

UTILITY SUMMARY REPORT

FLAP 03S11(1)
Reds Meadow Road



By Jacobs for
Federal Highway Administration
Central Federal Lands Highway Division

August 2022

This report provides information regarding existing utilities, conflicts between existing utilities and proposed improvements, and existing utility relocation requirements within the proposed Reds Meadow Road project. The majority of the utilities are located within the 3R portion of the project, but some also exist on the 4R work.

I. Contact List

The following list provides contact information for the utility providers involved in this project:

Utility Type	Company	Contact Name	Phone Number	Contact Email	Status
Water	Forest Service	Nora Ghamino	760-873-2414	ngamino@fs.fed.us	2
Sewer	Forest Service	Nora Ghamino	760-873-2414	ngamino@fs.fed.us	4
Power	Southern California Edison	Tim Rafferty	760-873-2902	timothy.rafferty@sce.com	4
Phone	Frontier Communications	Bin Liang	951-723-0736	Bin.liang@ftr.com	4

Status 1: The utilities are in conflict with the project and REQUIRE relocation by OTHERS DURING construction requiring coordination with the contractor and utility owner. (see Additional Research or Field Investigation section below for more information).

Status 2: The utilities are in conflict with the project and REQUIRE relocation by THE PROJECT DURING construction.

Status 3: The utilities are in conflict with the project and REQUIRE relocation by OTHERS BEFORE construction.

Status 4: The utilities ARE located within the project rights of way but require NO KNOWN RELOCATION.

II. Field Investigation

Utility locates and potholing were performed in October 2021 to verify locations of existing utilities in areas of anticipated conflicts. Actual pothole locations are shown on top of the pre-final plans and included in Appendix D. There were a total of 37 potholes performed over a one week period in October 2021. Appendix E includes the complete pothole report provided by C-Below, the potholing subcontractor. The drawings have been updated to show existing utilities based on these findings.

III. Communications and Coordination

On July 25, 2018, the Forest Service (FS) provided Southern California Edison (SCE) Facility Inventory Mapping (FIM) diagrams for the project area (Appendix 1). Based on the SCE provided FIM diagrams (See Appendix B) and the FS provided description, the power runs under and alongside the roadway from above the Pumice campground turnoff (Station 624+70) to the Reds Meadow Resort (Station 804+50) crossing at Stations 654+00, 658+00, 784+60, and 790+00. Underground power lines are intended to be protected in place. These locations were updated in the plans based on the physical locates and potholing work.

Frontier Communications provided FIM diagrams on August 19, 2019 (Appendix C). Existing communication lines per the FIM cross the project improvements at the Minaret Vista Station (Station 9+40); several locations along Minaret Vista Road; at Stations 30+00 and 614+00 as the lines descend into the valley; and at several locations as the line parallels Reds Meadow Road to its terminus at Reds Meadow Resort. Underground communication lines are intended to be protected in place.

Note, field investigations were unable to corroborate the location of a Frontier line in the vicinity of Station 30+00.

Based on the FS description, site visit photos from field walks (showing the slurry line), and updated FIM maps received on July 10, 2019 (Appendix A), the water line runs under the roadway from the Minaret Campground turnoff (Station 685+50) to the Reds Meadow Resort (Station 804+50). Water lines are intended to be protected in place, with the exception of two location where it will need to be relocated.



Reds Meadow Road with slurry trench for the FS water line

FS Sewer lines and infrastructure have been abandoned and decommissioned up to the DEPO location (Station 720+00) of the project. The remaining infrastructure will be abandoned prior to the Reds Meadow Road project construction.

The approximate utility locations have been incorporated into the 100% Design and are shown on the C-Sheets of the plan set.

IV. Roadway Design Recommendations

Locations of sub-excavation have been modified in the 3R to minimize potential impacts to the existing waterline. Multiple culverts were also re-designed to avoid utilities. As part of this effort, several of the proposed culverts were reduced from 24-inch diameter to 12-inch diameter to avoid hitting utilities.

V. Cost Liability

Based on the design updates that incorporate the pothole data, there are no conflicts anticipated with the power or phone lines. These facility should be protected in place and not have a cost liability to the project.

There will be a project cost associated with relocating the 2" HDPE waterline in two locations. Based on the engineers estimate the cost of this work will be less than \$10,000.

There is no cost liability associated with the sewer line, which should be abandoned prior to the start of construction.

VI. Appendix

A – Forest Service correspondence from Nora Gamino, dated July 25, 2018 and July 10, 2019, describing the existing utilities, water and sewer locations, and additional information regarding SCE coordination.

B – Southern California Edison correspondence from Timothy Rafferty, dated July 25, 2018, providing Facility Inventory Map diagrams

C – Frontier Communications correspondence from Bin Liang and staff, dated September 19, 2019, providing Facility Inventory Map diagrams

D – Pothole Locations on Plan Sheets

E – Pothole Report

F – Utility Data Quality Level Certification, dated August 2, 2022

Appendix A

From: Henderson, Edwin/SAC
To: Donovan, Patrick/SAC
Subject: FW: Reds Meadow Road: Utility Owners
Date: Wednesday, July 25, 2018 4:49:33 PM
Attachments: RE [External]RE [External]Reds Meadow area.msg

FYI... Erin will line you out.

From: Gamino, Nora -FS <noramino@fs.fed.us>
Sent: Wednesday, July 25, 2018 11:57 AM
To: Henderson, Edwin/SAC <Edwin.Henderson@jacobs.com>
Cc: Longley, Wendy (FHWA) <Wendy.Longley@dot.gov>; Weiland, Brett/COS <Brett.Weiland@jacobs.com>
Subject: [EXTERNAL] RE: Reds Meadow Road: Utility Owners

SCE just gave me a map... see attached.

From: Henderson, Edwin/SAC [<mailto:Edwin.Henderson@jacobs.com>]
Sent: Wednesday, July 25, 2018 11:51 AM
To: Gamino, Nora -FS <noramino@fs.fed.us>
Cc: Longley, Wendy (FHWA) <Wendy.Longley@dot.gov>; Weiland, Brett/COS <Brett.Weiland@jacobs.com>
Subject: RE: Reds Meadow Road: Utility Owners

Nora,

Thank you for the thorough response! We'll update the 30% plans and utility report accordingly. If SCE responds to your email with additional information, we can update. We'll attempt to contact Frontier just in case they have some information. Good luck on your decommission, we'll make note of it for the 30% submittal and revisit the status during 70%.

**Ed Henderson, P.E.
Jacobs**
916 286 0428 direct
916 257 2064 mobile

From: Gamino, Nora -FS <noramino@fs.fed.us>
Sent: Wednesday, July 25, 2018 11:36 AM
To: Henderson, Edwin/SAC <Edwin.Henderson@jacobs.com>
Cc: Longley, Wendy (FHWA) <Wendy.Longley@dot.gov>; Weiland, Brett/COS <Brett.Weiland@jacobs.com>
Subject: [EXTERNAL] RE: Reds Meadow Road: Utility Owners

Here is the information I have...

In the road there are Southern California Edison electric lines, Frontier phone lines, and FS water and sewer lines.

SCE:

The local guy that I talk with at SCE is Timothy Rafferty Timothy.Rafferty@sce.com. I believe he is a planner for them. I do not have a good phone number to share. The slurry line you see in the road from Pumice CG to Minaret CG is both SCE and Frontier, so I would assume that where that slurry line starts at Pumice CG is where those lines come down the hill. From there I think they go into the ditch seeing as that is where USA dig marked them out for your geo-tech survey this spring. I've got an e-mail into SCE regarding where their lines drop down the hill and hit the road because I know they don't follow the road all the way down.

Frontier:

Frontier took over all the Verizon land lines a couple years back, so they probably don't even know what they have down there. I think they come down the hill in the same area that SCE does. Both DEPO and Bobby Tanner have land lines. I do not have anything further on this, sorry.

FS water lines:

We have a 2 inch HDPE water line in the road from Minaret CG to Reds. So where the SCE slurry line ends at Minaret, ours picks up. If you look at it closely, you can see one slurry line coming into the CG road and another coming. We've conveniently made it confusing for anyone who's interested! In my rudimentary map below, the red indicates the SCE lines are and blue is the FS water line. I would like to investigate the possibility of moving the water line to outside the road prism through this project. (Wendy -

maybe this is something we can talk about later)



FS sewer lines:

I am planning a project now to decommission all my sewer lines and infrastructure in the Valley prior to the road project. So if all goes according to plan, all the sewer lines will be abandoned and the large air release valves will be removed. I am fairly confident I can make this happen in 2019.

Let me know if you've got further questions.

From: Henderson, Edwin/SAC [mailto:Edwin.Henderson@jacobs.com]
Sent: Wednesday, July 18, 2018 1:25 PM
To: Gamino, Nora -FS <nagamino@fs.fed.us>
Cc: Longley, Wendy (FHWA) <Wendy.Longley@dot.gov>; Weiland, Brett/COS <Brett.Weiland@jacobs.com>
Subject: RE: Reds Meadow Road: Utility Owners

Hello Nora,

Can you please help us track down the utility information listed below? We can fill in data gaps, but would like to start with what you have readily available.

Utility Owner Information:

1. Names of all utility owners along Reds Meadow Road
2. If available: point of contact, phone number, address and email for each owner
3. If available: copies of any maps, original design drawings, diagrams, sketches, etc. showing location of utilities
4. If the point of contact or maps are not available, we'll attempt to acquire them by researching the utility owner names and general contact info.

Our current understanding is the following utilities exist along portions of the corridor:

- USFS water pipe (2" HDPE)
- USFS sewer force main and one manhole in the road
- Telephone – owner?
- Electric – owner?

Please let us know if you'd like to discuss this request.

Thanks,
-Ed

Ed Henderson, P.E.,
Jacobs
316.235.0428 direct
316.237.2064 mobile

DO NOT REPLY...This communication may contain confidential and/or proprietary information that is the sole and exclusive property of Jacobs. It is intended solely for the addressee(s) named above. If you have received this message in error, please notify the sender immediately and delete it from your computer.

This electronic message contains information generated by the USDA solely for the intended recipients. Any unauthorized interception of this message or the use or disclosure of the information it contains may violate the law and subject the violator to civil or criminal penalties. If you believe you have received this message in error, please notify the sender and delete the email immediately.

Kauo, Keone

From: Henderson, Edwin/SAC
Sent: Wednesday, July 10, 2019 9:57 PM
To: Howard, Travis/RDD; Kauo, Keone
Subject: FW: Emailing: Reds Mdw System SS Plan Drawings.pdf
Attachments: Reds Mdw System SS Plan Drawings.pdf

Here is the water system diagram... Sheets 6 and 7 show what's in Reds Meadow Road.

-----Original Message-----

From: Gaminio, Nora -FS <nora.gamino@usda.gov>
Sent: Wednesday, July 10, 2019 4:52 PM
To: Longley, Wendy (FHWA) <Wendy.Longley@dot.gov>; Henderson, Edwin/SAC <Edwin.Henderson@jacobs.com>
Subject: [EXTERNAL] Emailing: Reds Mdw System SS Plan Drawings.pdf

So these drawings, which are not "as-builts" are the best I have for the water system down there. The formal plan set is not going to help you as it reflects the old system and not the new water line that goes down the road.

Sorry it took so long to ship these off...

As for the wastewater system, we have abandoned all of our connections up to the point where DEPO ties in. They are in the process of rehabilitating what's left for their use only. I would assume that Deanna/Kathy could give you the design plans. Or, for a more precise location, you could put approximates into the plans and then turn as-builts over to the contract when the time comes (or amend exact locations in 2021 prior to bid).

Your message is ready to be sent with the following file or link attachments:

Reds Mdw System SS Plan Drawings.pdf

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

This electronic message contains information generated by the USDA solely for the intended recipients. Any unauthorized interception of this message or the use or disclosure of the information it contains may violate the law and subject the violator to civil or criminal penalties. If you believe you have received this message in error, please notify the sender and delete the email immediately.

PACIFIC
SOUTHWEST
REGIONINYO
NATIONAL
FORESTWHITE
MOUNTAIN
RANGER
DISTRICTSAMPLING SITTING PLAN
UPPER SODA SPRINGS CAMPGROUNDS

PROJECT NAME:

Project Name:

JF URRUTIA

K. VANDER

LR TRUEBLOOD

O. Beall

Date:

25 Sept 2009

CRAIG

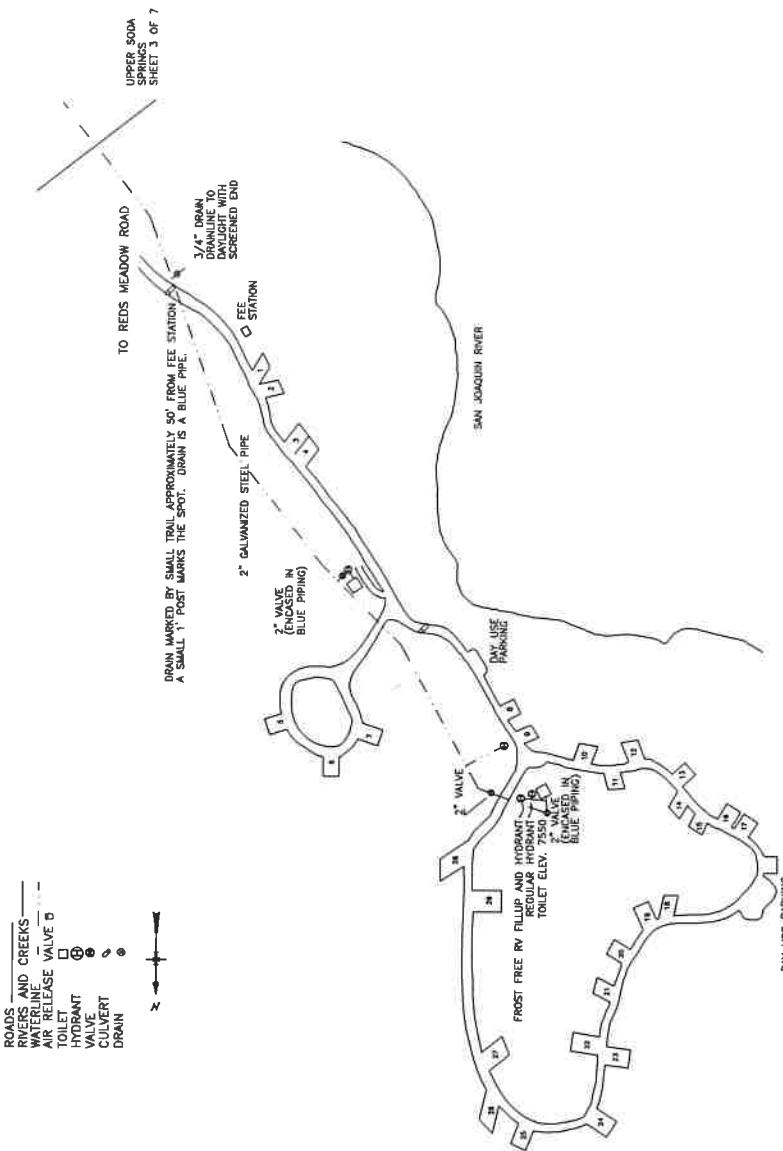
NTS

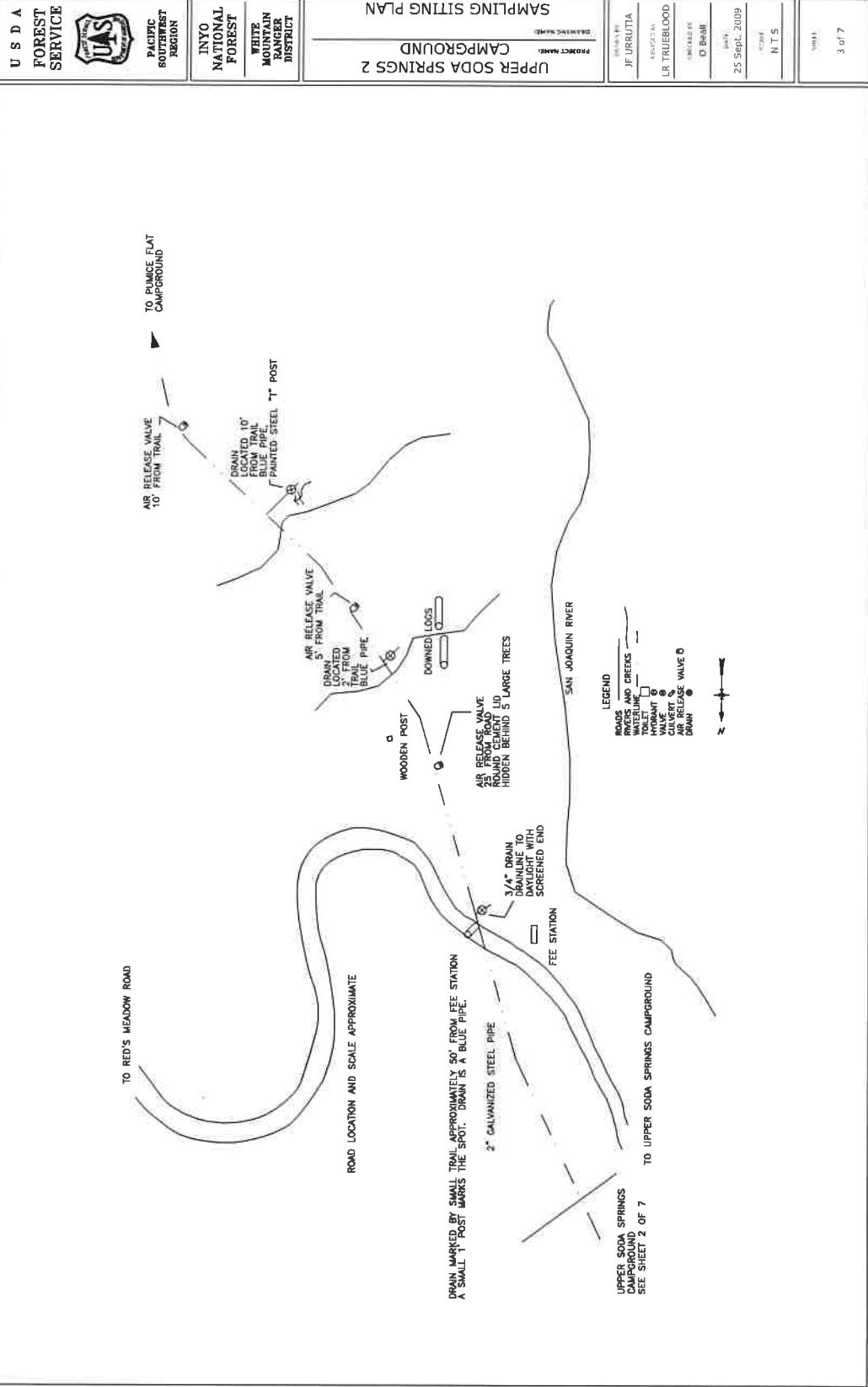
Sheet:

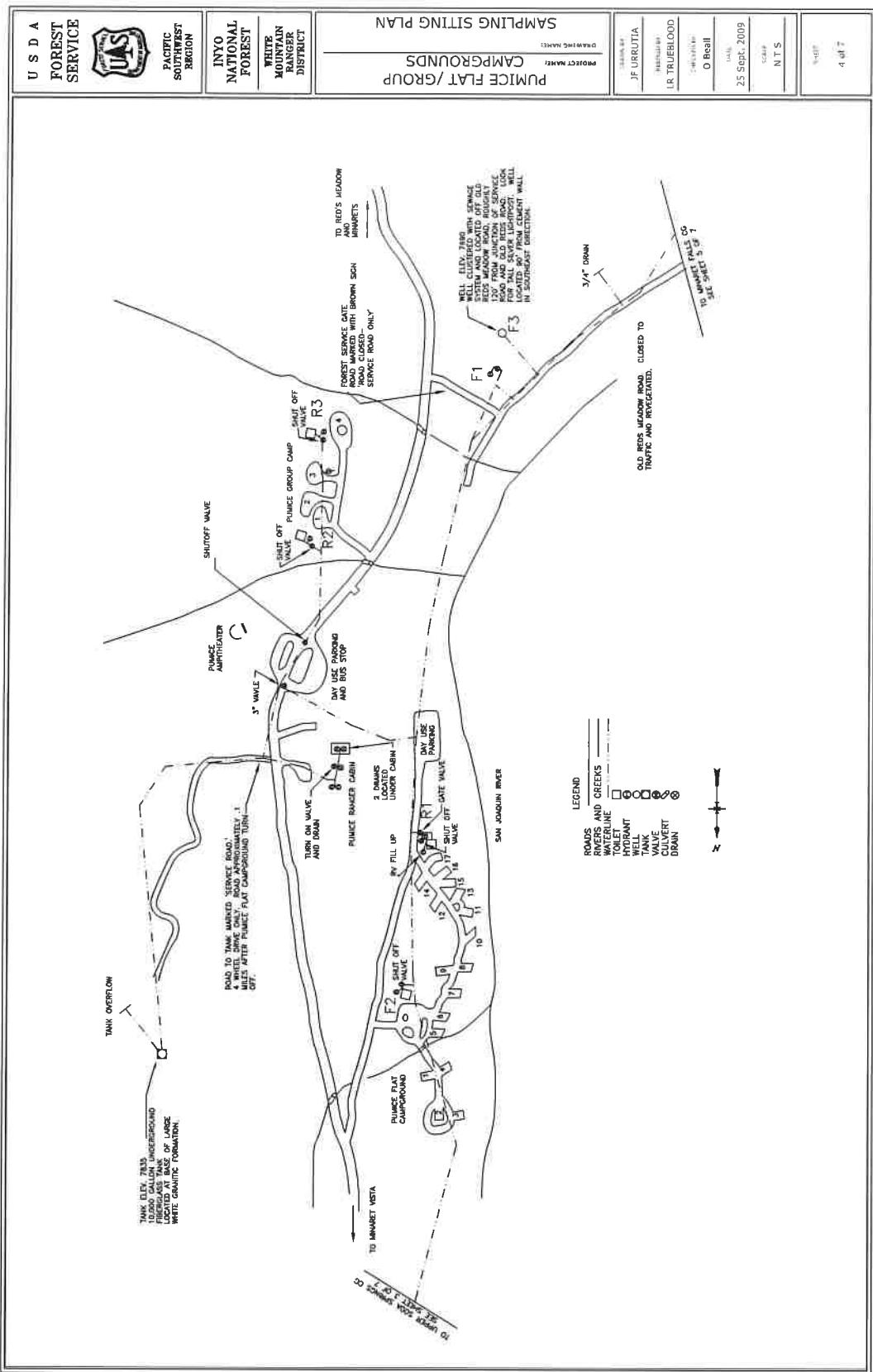
2 of 7

WATERLINE HEADS OVERLAND TO PLUMICE FLAT CAMPGROUND.
TRAILS WOULD BE ON THE RIVER BANK AND THERE ARE 2 DRAINS AND 3 AIR
RELEASE VALVES. SEE MAP FOR DETAILS. SEE UPPER SODA SPRINGS SHEET 2
FOR GREATER DETAIL.

LEGEND
ROADS
RIVERS AND CREEKS
WATERLINE
AIR RELEASE VALVE
TOILET
HYDRANT
VALVE
CULVERT
DRAIN









U S D A
FOREST
SERVICE

PACIFIC
SOUTHWEST
REGION

INTO
NATIONAL
FOREST
WHITE
MOUNTAIN
RAINFOREST
DISTRICT

SAMPLING SITTING PLAN

MINARET FALLS CAMPGROUND

PROJECT NAME:

JF URBANITA

LR TRUEBLOOD

O'BEILL

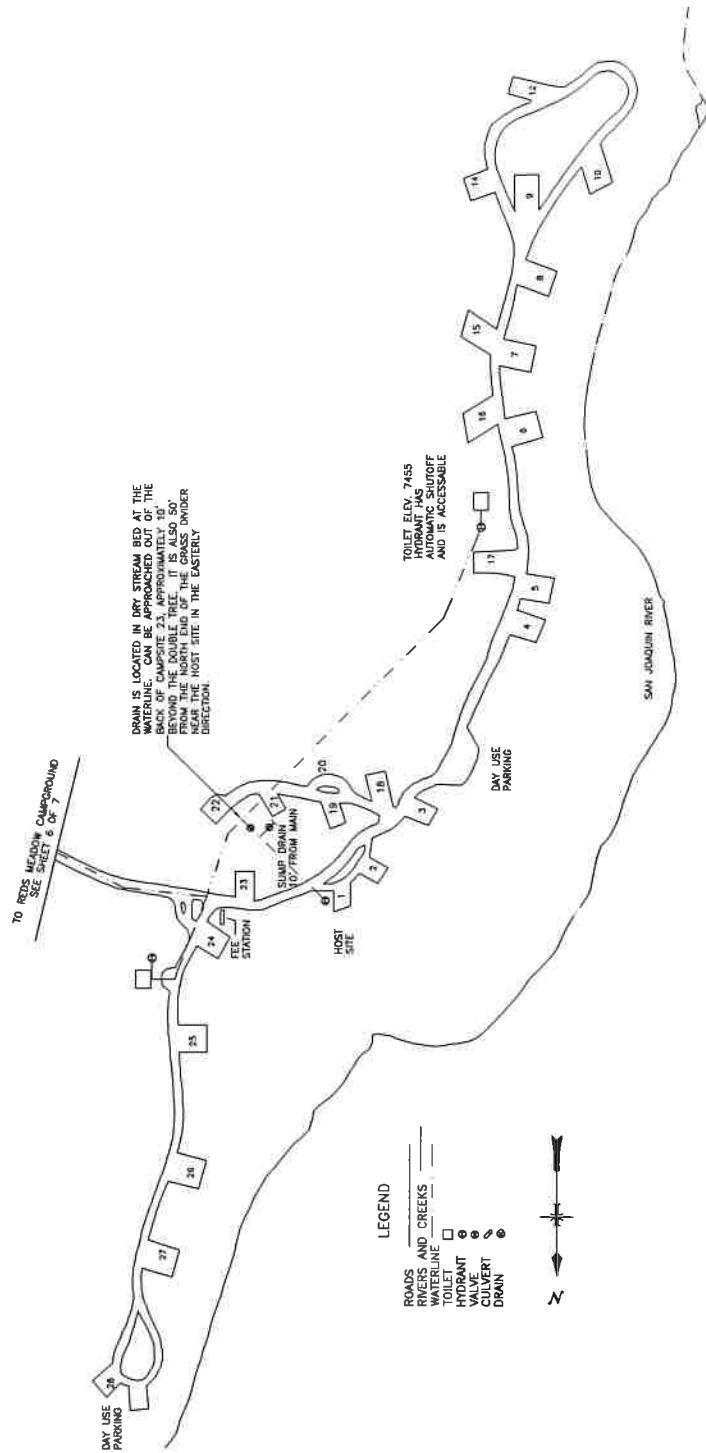
DATE:

25 Sept 2009

SCALES:

N.T.S.

5 of 7



U S D A
FOREST
SERVICE



PACIFIC
SOUTHWEST
REGION

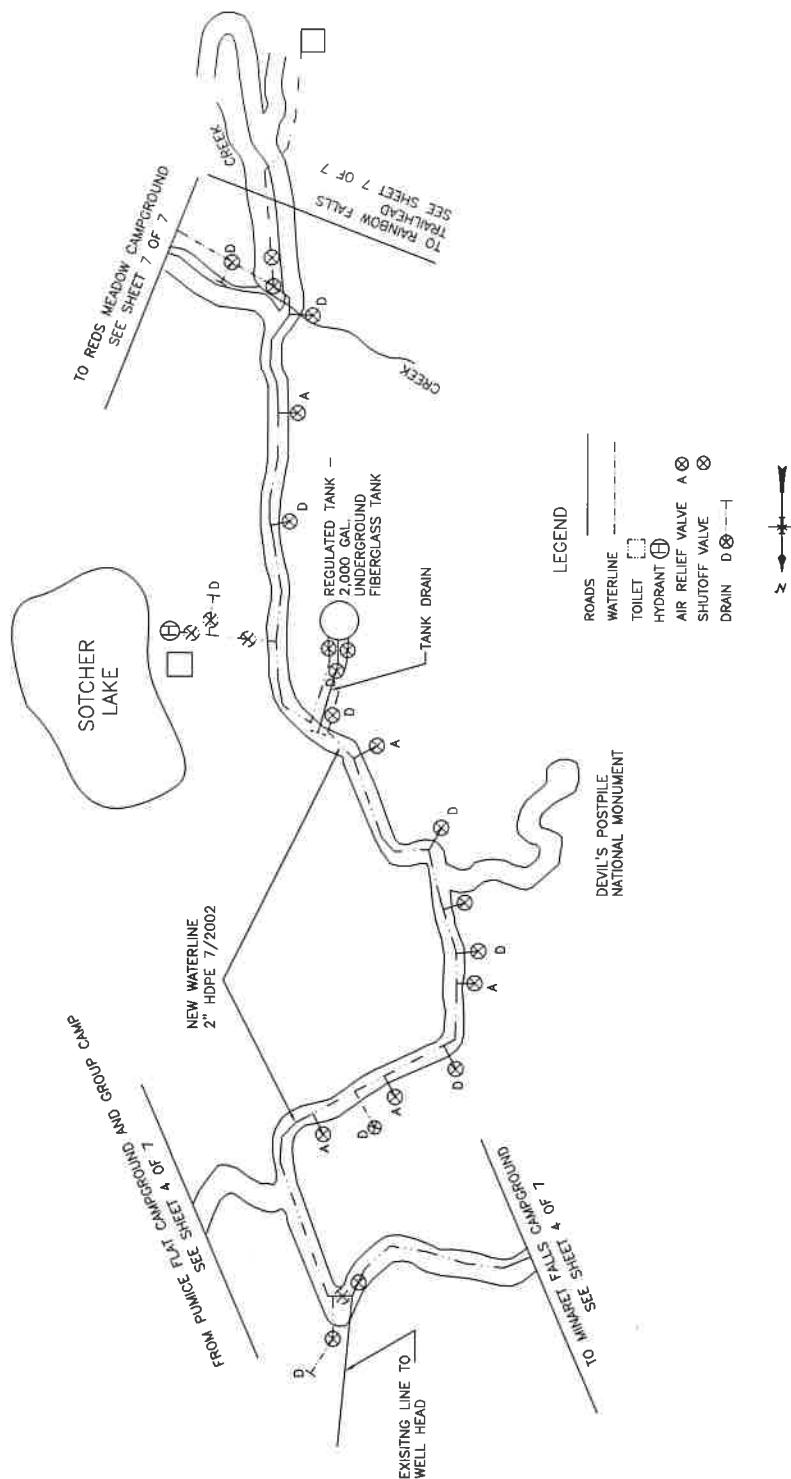
INYO
NATIONAL
FOREST
WHITE
MOUNTAIN
RANGER
DISTRICT

SAMPLING SITING PLAN

PROJECT NAME: NEW WATERLINE WITH 2000 GAL.
UNDERGROUND TANK

DATA SHEET
JF URUTIA
LR TRUEBLOOD
O BELL
24 Sept. 2009
N.T.S.

Page 6
of 7





U S D A
FOREST
SERVICE

**INYO
NATIONAL
FOREST**

**WHITE
MOUNTAIN
RANGER
DISTRICT**

SAMPLING SITTING PLAN

RED'S MEADOW - RAINBOW FALLS
PROJECT NAME: DRAG IN C NAME:

TRUEBLOOD

NTS

7 of 7

This site plan illustrates the layout of Red's Meadow Campground and its associated water system. The plan includes the following key features and labels:

- WATER SYSTEM:**
 - Hot Spring Source connected to External Pipe.
 - External Pipe connects to Bathhouse and Campground.
 - Bathhouse has a 7500 ft³ tank.
 - Water distribution points include R1, R2, R3, F1, F2, and F3.
 - Valves: Stop & Waste Valve (Blue Part), Stop & Waste Valve (Red Part), Drain Valve, and Shift Off Valve (Blue Pipe).
 - Drainage points: 1/4" DRAIN TO DAYLIGHT, 1/4" DRAIN TO CAMP GROUND, and 1/4" DRAIN TO STREAM BED.
- CAMPING AND FACILITIES:**
 - Red's Meadow Campground.
 - Reed's Meadow Station.
 - DRINKING FOUNTAIN.
 - TOILET VALVE.
 - CULVERT DRAIN.
 - ROADS, RIVER, AND CREEKS.
 - CONTAINMENT PASTURE.
 - DRINKING FOUNTAIN.
 - TOILET VALVE.
 - CULVERT DRAIN.
 - ROADS, RIVER, AND CREEKS.
- LANDSCAPE AND FEATURES:**
 - Rainbow Falls Trailhead at ELEV 7450.
 - Hydrant with backflow valve.
 - Water Treatment Plant.
- LEGEND:**
 - ROADS, RIVER, AND CREEKS
 - DRINKING FOUNTAIN
 - TOILET VALVE
 - CULVERT DRAIN
 - ROADS, RIVER, AND CREEKS
 - WATER TREATMENT PLANT
 - HYDRANT
 - BACK FLOW VALVE
 - WATER TREATMENT PLANT
 - WIND DIVERTER (ONE METER APPROXIMATELY 60 FT FROM ROAD)
 - OPENED MECHANIC
 - CONTAINMENT PASTURE
- NOTES:**
 - STOP & WASTE VALVE (RED PART) IS TO BE ABANDONED.
 - SEE SHEET 8 OF 9.

Appendix B

From: Timothy Rafferty
To: [Gamino, Nora -FS](#)
Subject: RE: (External):RE: (External):Reds Meadow area
Date: Wednesday, July 25, 2018 11:55:12 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[Reds Meadow FIM Maps.pdf](#)

Yes, Sorry

Tim Rafferty
Service Planner
Bishop S/C
374 Lagoon St, Bishop, Ca, 93514
760-873-2902 W
760-920-5025 C

From: Gamino, Nora -FS [mailto:ngamino@fs.fed.us]
Sent: Wednesday, July 25, 2018 11:12 AM
To: Timothy Rafferty <Timothy.Rafferty@sce.com>
Subject: (External):RE: (External):Reds Meadow area

Was there supposed to be an attachment?

From: Timothy Rafferty [mailto:Timothy.Rafferty@sce.com]
Sent: Wednesday, July 25, 2018 10:48 AM
To: Gamino, Nora -FS <ngamino@fs.fed.us>
Subject: RE: (External):Reds Meadow area

Hi Nora,

Here's a copy of our FIM maps for that area. They are pretty vague, but hopefully will help a little.

Thanks

Tim Rafferty
Service Planner

Bishop S/C
374 Lagoon St, Bishop, Ca, 93514
760-873-2902 W
760-920-5025 C

From: Gamino, Nora -FS [<mailto:ngamino@fs.fed.us>]

Sent: Wednesday, July 25, 2018 10:10 AM

To: Timothy Rafferty <Timothy.Rafferty@sce.com>

Subject: (External):Reds Meadow area

Hi Tim,

Do you have any drawings showing where SCE lines are in the Reds Meadow Valley that you can share with me? We're in the process of doing the redesign of the road and the engineers want to know what all is in the road corridor. I know SCE has lines there, but not sure where they dive down the hill and hit the road.

Thanks.



This electronic message contains information generated by the USDA solely for the intended recipients. Any unauthorized interception of this message or the use or disclosure of the information it contains may violate the law and subject the violator to civil or criminal penalties. If you believe you have received this message in error, please notify the sender and delete the email immediately.

MADERA CO.
MONO CO.

KARACHI LINES

423-24 18-0

(100)⁵

001
165

YARD NO. 203

1000 ft. 800 ft. 600 ft. 400 ft. 200 ft. 100 ft. 50 ft. 25 ft. 12.5 ft.

420
520

1000 ft.
800 ft.
600 ft.
400 ft.
200 ft.
100 ft.
50 ft.
25 ft.
12.5 ft.

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

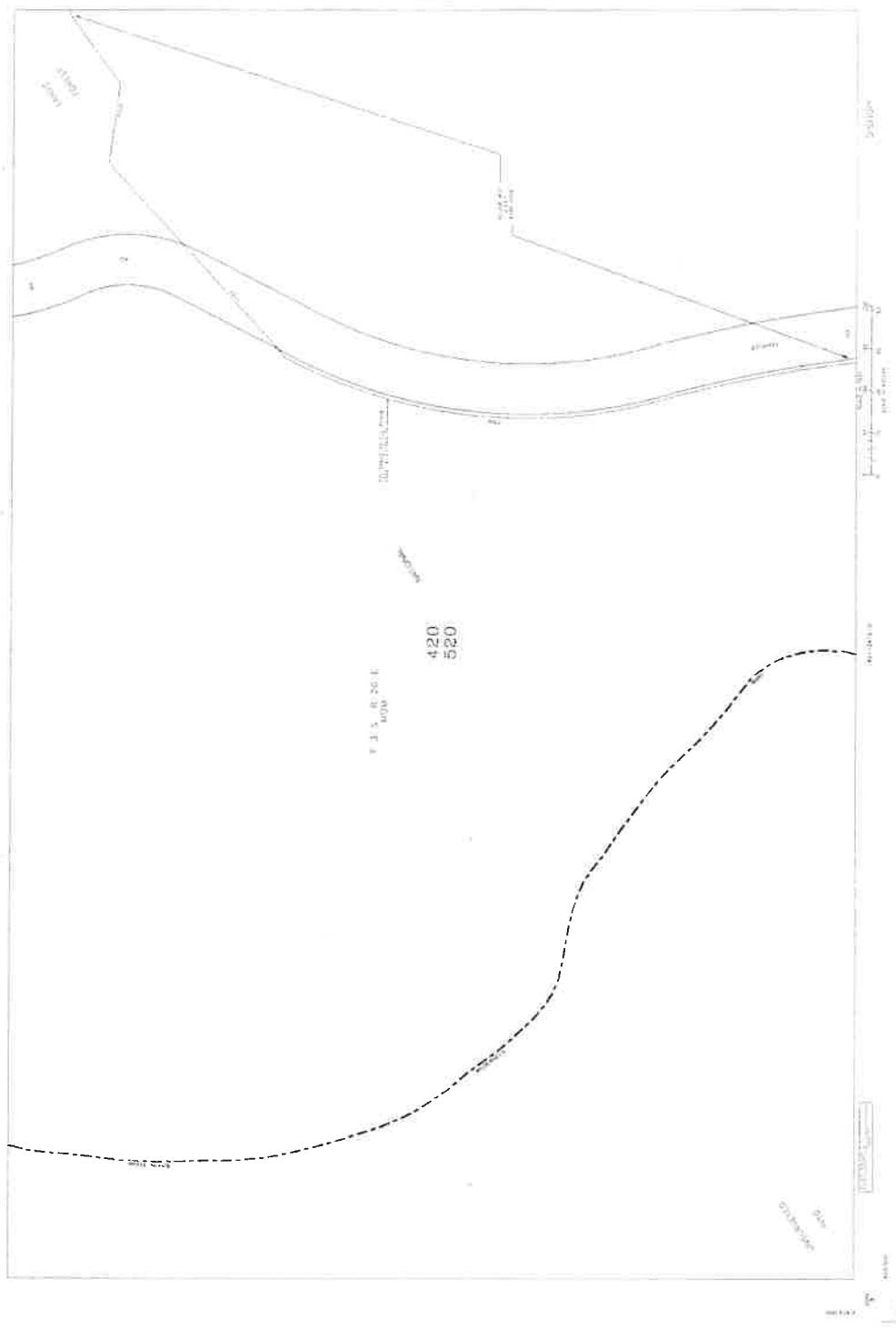
1600

1700

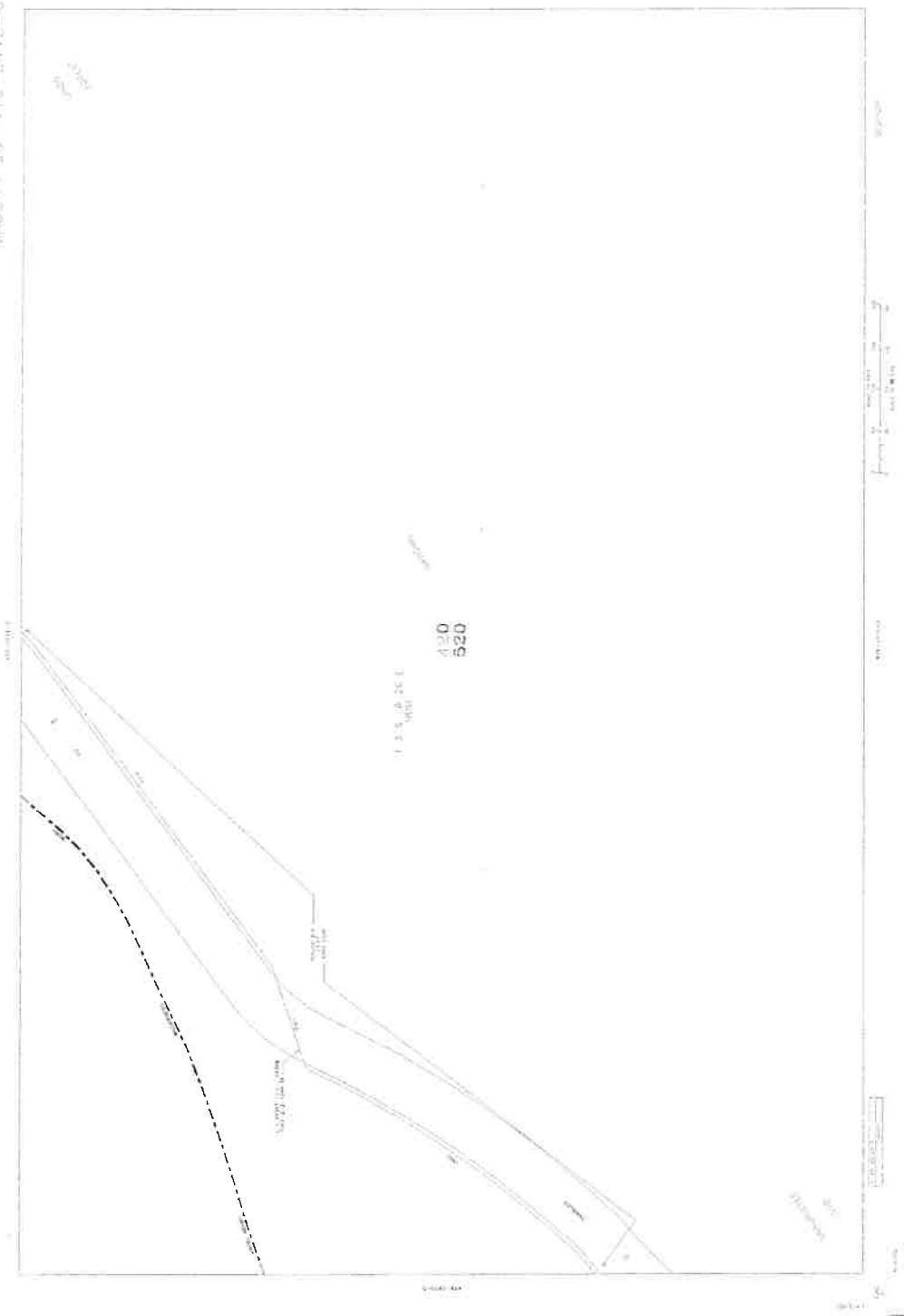
MADEIRA GO 422-2415-15



MADERA CO. 422-2412-13



ALFRED'S CO. 118-3412-G.



MADERA CO 418-2412-0

116-24

T. 1 S. 26 E.

420
520

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

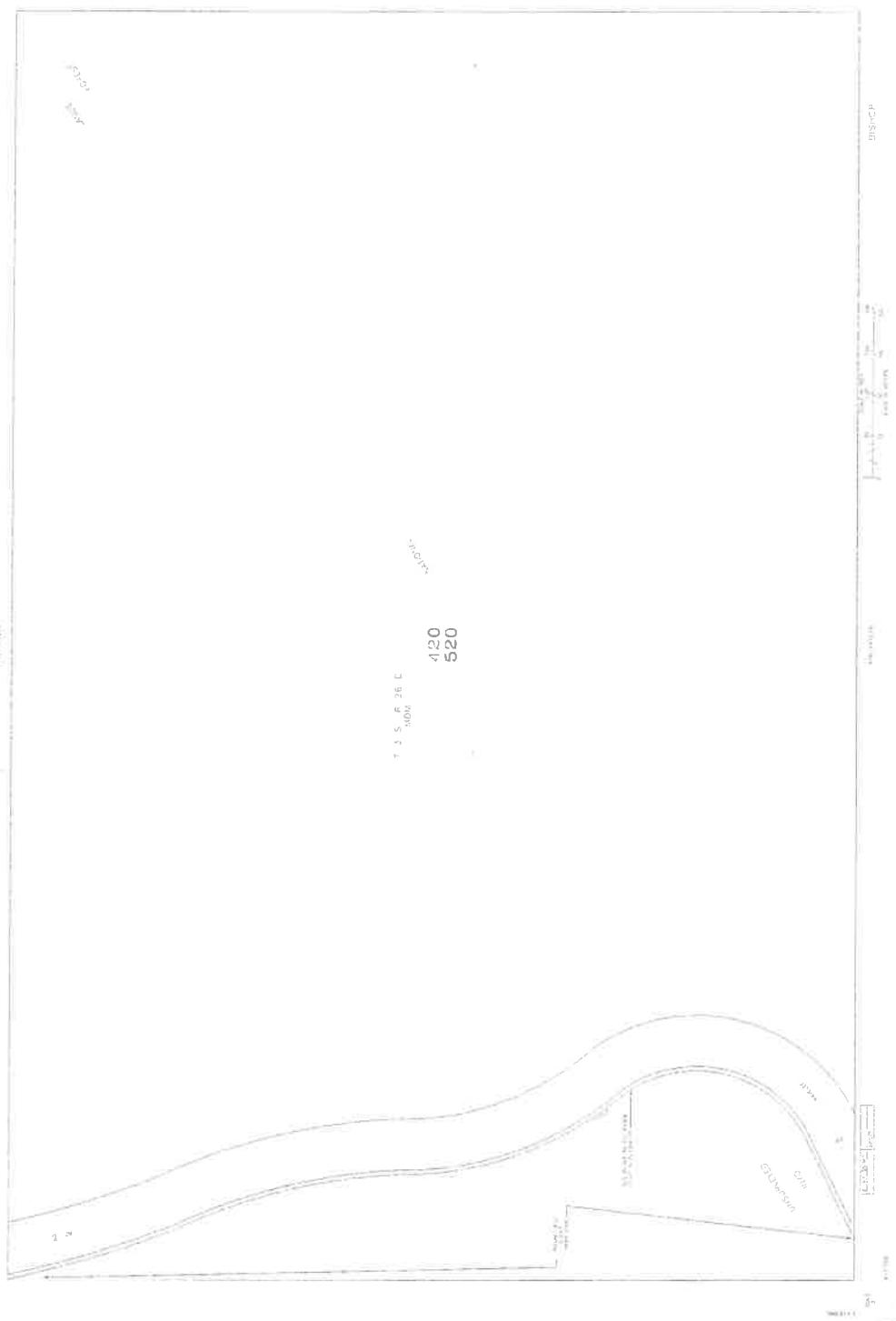
312

313

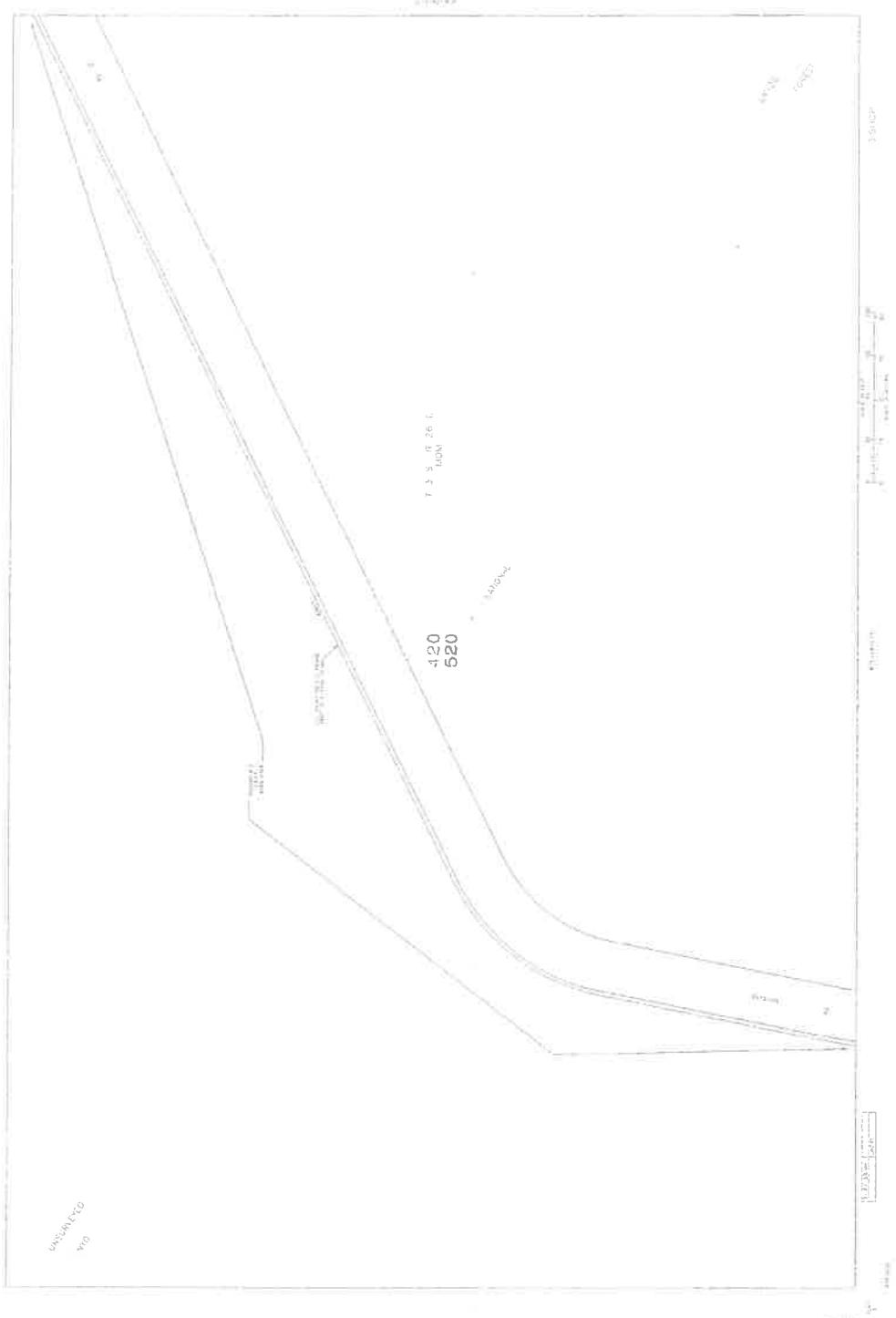
314

<p

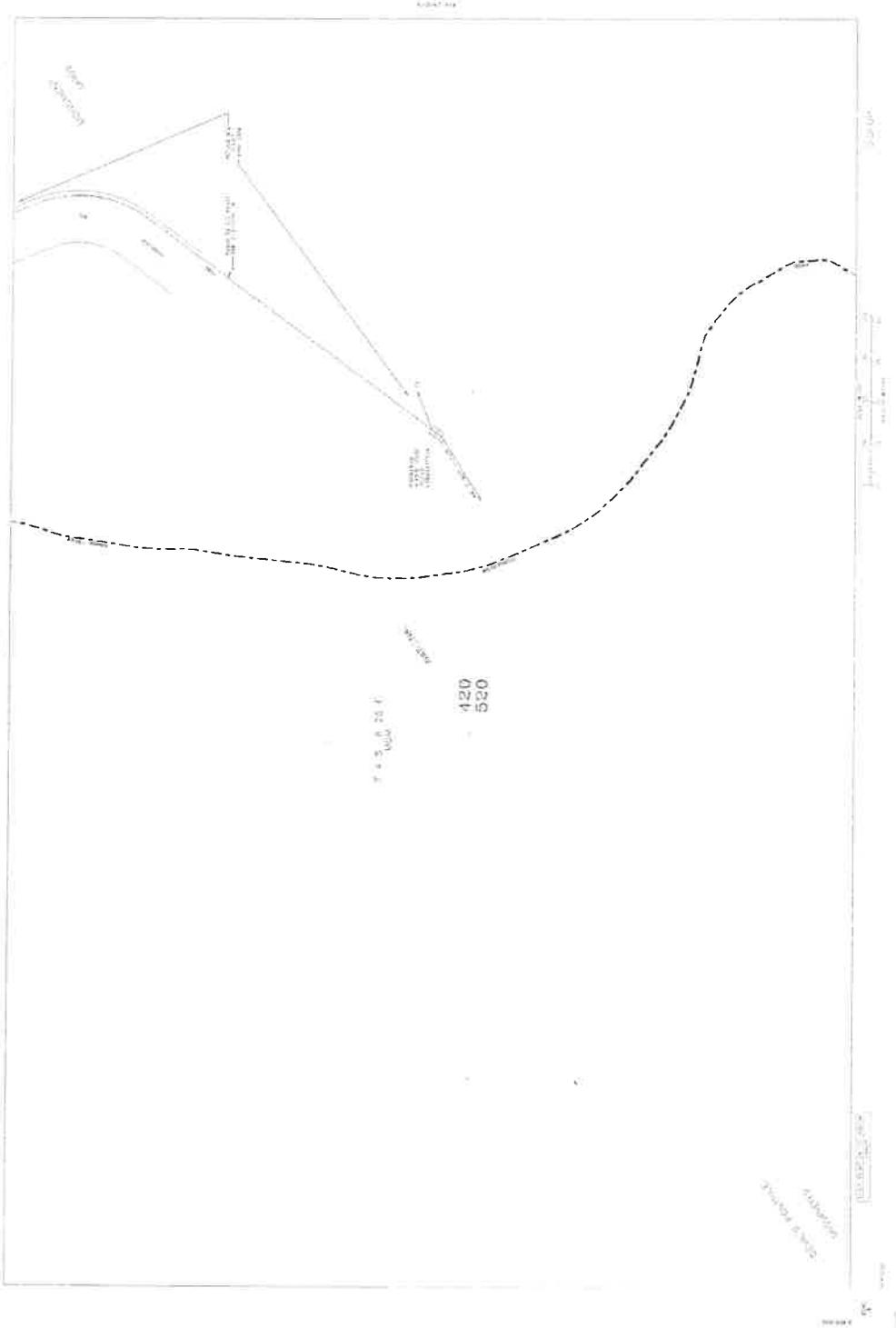
MADERA CC 417-2412-0



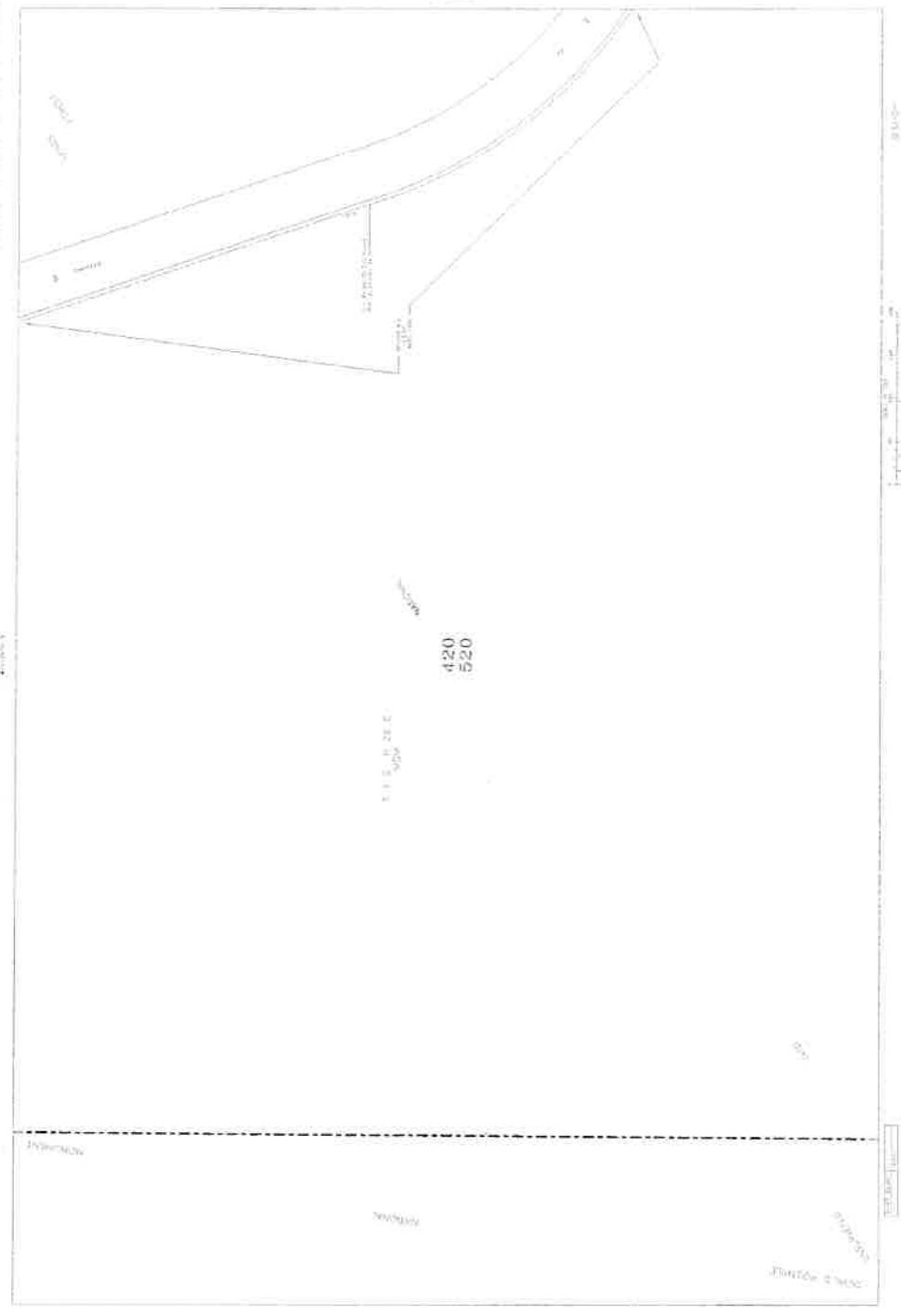
MADEIRA CO₂ 416-2410-5



BIGESEA CO. 414--2409-0



MADERAS, C.D. 43(3-2) 10-9



KaDifPA 44 - ZA 2 - Q

200

200

S_{HOA} t

420
520

1000

A 1000

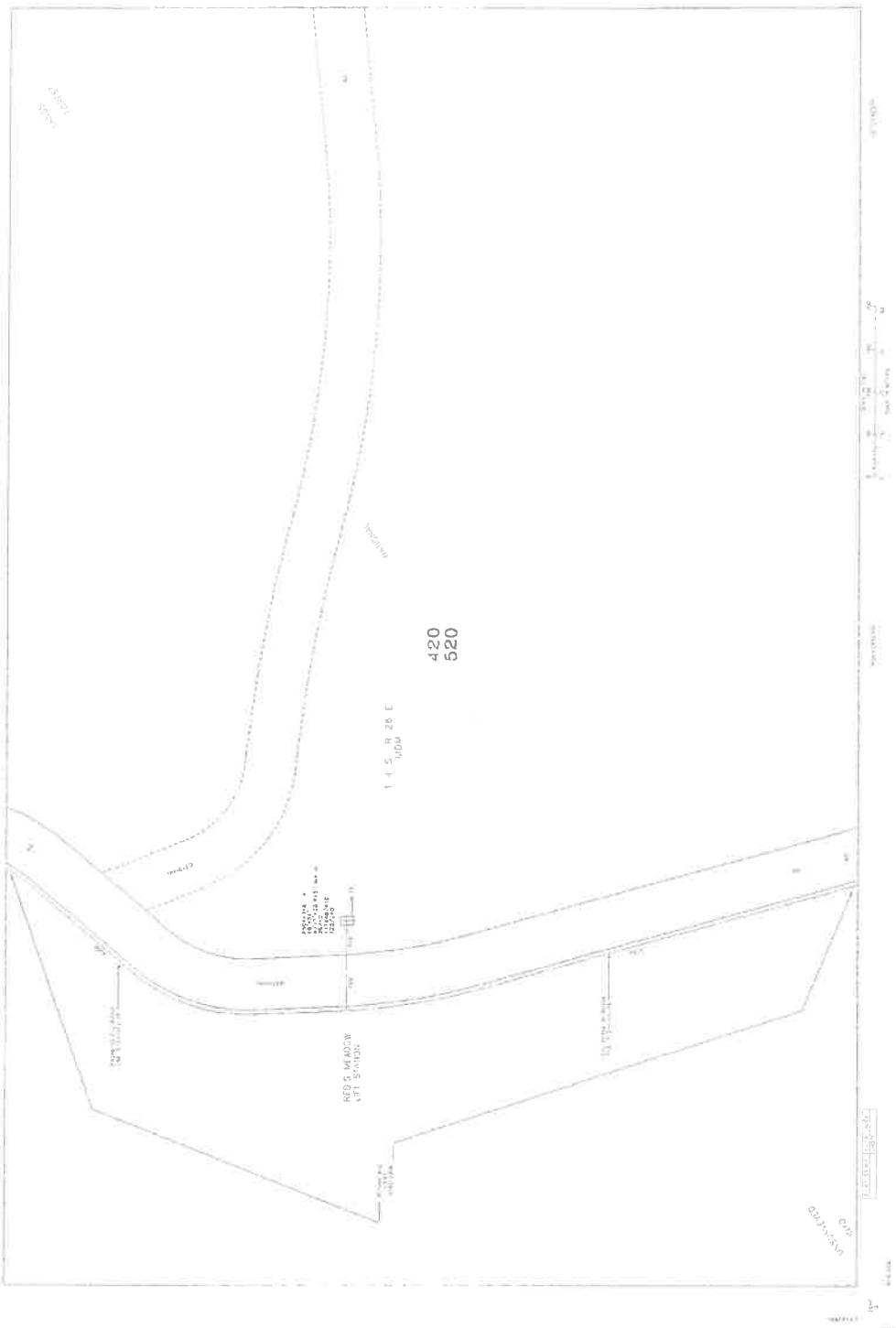
200

200

1000

1000

MADERA CO 510-2412--0



Appendix C

Kauo, Keone

From: Serrano-Stump, Desiree <desiree.serrano.stump@tesinllc.com>
Sent: Thursday, September 19, 2019 9:30 PM
To: Kauo, Keone
Subject: [EXTERNAL] Fwd: Frontier Communications - Facility map request for project located west of Mammoth Lakes
Attachments: Mammoth Lakes.zip

Attached are the completed maps for your project, Please let me know if you have any other questions.

Thank you,

----- Forwarded message -----

From: Shinn, Meredith <meredith.shinn@tesinllc.com>
Date: Mon, Aug 19, 2019 at 7:16 AM
Subject: Re: Frontier Communications - Facility map request for project located west of Mammoth Lakes
To: Serrano-Stump, Desiree <desiree.serrano.stump@tesinllc.com>

See attached zip file. 5 maps.

I am not seeing Reds Meadow Rd. Agnew Meadows goes into, Minaret Summit Rd in FROGs and in Google Earth. Since there are only 2 street names on the vicinity map this is what I found. My apologies if this is incorrect. If not correct please send me a vicinity map that has more information on it.

Thank you

On Sun, Aug 18, 2019 at 10:17 PM Serrano-Stump, Desiree <desiree.serrano.stump@tesinllc.com> wrote:

Please process this request,
Thank you,

----- Forwarded message -----

From: Serrano-Stump, Desiree <desiree.serrano.stump@tesinllc.com>
Date: Sun, Aug 18, 2019 at 10:16 PM
Subject: Re: Frontier Communications - Facility map request for project located west of Mammoth Lakes
To: <Keone.Kauo@jacobs.com>

Keone,

I have received your request. Due to the high volume of map requests Frontier receives, your request is scheduled to complete 4-6 weeks from date your request was received. However, I will do my very best to get it completed sooner. Please be aware of the map fees: \$50 the first map and \$15 every subsequent map. Once I determine the number of maps that meet your request SPB will then send a billing letter to you with the balance due.

Once payment is received by SPB I will send you your maps.

Please let me know if you have any other questions.

On Fri, Aug 16, 2019 at 3:41 PM Edrozo, Lewis <lewis.edrozo@ftr.com> wrote:

Please process this customers request.

Thank You

Lewis Edrozo

Sr. Network Engineer

760-375-6616 (o)

760-577-5787 (c)

lewis.edrozo@ftr.com



From: Liang, Bin <bin.liang@ftr.com>
Sent: Friday, August 16, 2019 3:14 PM
To: Edrozo, Lewis <lewis.edrozo@ftr.com>
Cc: Wiseman, Todd <todd.wiseman@ftr.com>; Henderson, Edwin/SAC <Edwin.Henderson@jacobs.com>; Howard, Travis/RDD <Travis.Howard@jacobs.com>; Wendy.Longley@dot.gov
Subject: FW: Frontier Communications - Facility map request for project located west of Mammoth Lakes

Lewis,

Can you assist the record request in Mammoth Lakes? Please see trailing email and advise.

Thank you

Bin Liang

SPCLST-Construction

32477 Haun Rd, Menifee, CA 92584

C: 951-723-0736

E: bin.liang@ftr.com



From: Kauo, Keone <Keone.Kauo@jacobs.com>
Sent: Friday, August 16, 2019 2:38 PM
To: Liang, Bin <bin.liang@ftr.com>
Cc: Henderson, Edwin/SAC <Edwin.Henderson@jacobs.com>; Howard, Travis/RDD <Travis.Howard@jacobs.com>; Wendy.Longley@dot.gov
Subject: Frontier Communications - Facility map request for project located west of Mammoth Lakes

WARNING: External email. Please verify sender before opening attachments or clicking on links.

Hi Bin,

As we discussed on the phone, our project team is currently designing roadway improvements within Reds Meadow Valley (west of Mammoth Lakes) and are in need of acquiring Frontier Communication facility maps and franchise agreement information, if available. I've attached a vicinity and site map of the project limits for your use. Can you please forward this request and my contact information, as shown below, to the appropriate person at Frontier Communications?

The project is being facilitated by several project partners including the Federal Highway Administration (FHWA) Central Federal Lands Division (CFLHD), Town of Mammoth Lakes, and USDA Forest Service. Our Client PM, Wendy Longley (FHWA, CFLHD), is included on this email if you have any administrative questions.

Thanks,
Keone

Keone Kauo, PE* | Jacobs | Project Manager, Buildings & Infrastructure | +1.916.920.0300 | +1.805.503.0500 mobile |
+1.916.920.8463 fax | keone.kauo@jacobs.com | www.jacobs.com

*Registered in CA

NOTICE - This communication may contain confidential and privileged information that is for the sole use of the intended recipient. Any viewing, copying or distribution of, or reliance on this message by unintended recipients is strictly prohibited. If you have received this message in error, please notify us immediately by replying to the message and deleting it from your computer.

This communication is confidential. Frontier only sends and receives email on the basis of the terms set out at [http://www.frontier.com/email disclaimer](http://www.frontier.com/email_disclaimer).

--
Desiree Serrano-Stump
Tesinc LLC
OSP Engineer
desiree.serrano.stump@tesincllc.com

--
Desiree Serrano-Stump
Tesinc LLC
OSP Engineer
desiree.serrano.stump@tesincllc.com

This email message, and any documents which may accompany it, contain information which is intended for use only by the intended recipient(s), and may contain information that is privileged and/or confidential. If you are not the intended recipient of this message you are hereby notified that any review, disclosure, dissemination, distribution, copy or other use of this message or its attachments is strictly prohibited. If you have received this message in error, please notify the sender by reply email, delete the email from your computer and destroy all copies of the communication and any attachments.

--

Meredith Shinn
Graphic Systems Operator
Tesinc LLC
909-260-2124
meredith.shinn@tesinccllc.com

Working Class Hero

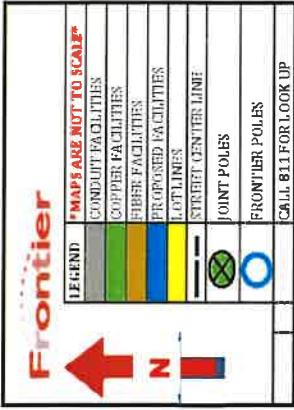
"Imagine Peace"

This email message, and any documents which may accompany it, contain information which is intended for use only by the intended recipient(s), and may contain information that is privileged and/or confidential. If you are not the intended recipient of this message you are hereby notified that any review, disclosure, dissemination, distribution, copy or other use of this message or its attachments is strictly prohibited. If you have received this message in error, please notify the sender by reply email, delete the email from your computer and destroy all copies of the communication and any attachments.

--

Desiree Serrano-Stump
Tesinc LLC
OSP Engineer
desiree.serrano.stump@tesinccllc.com

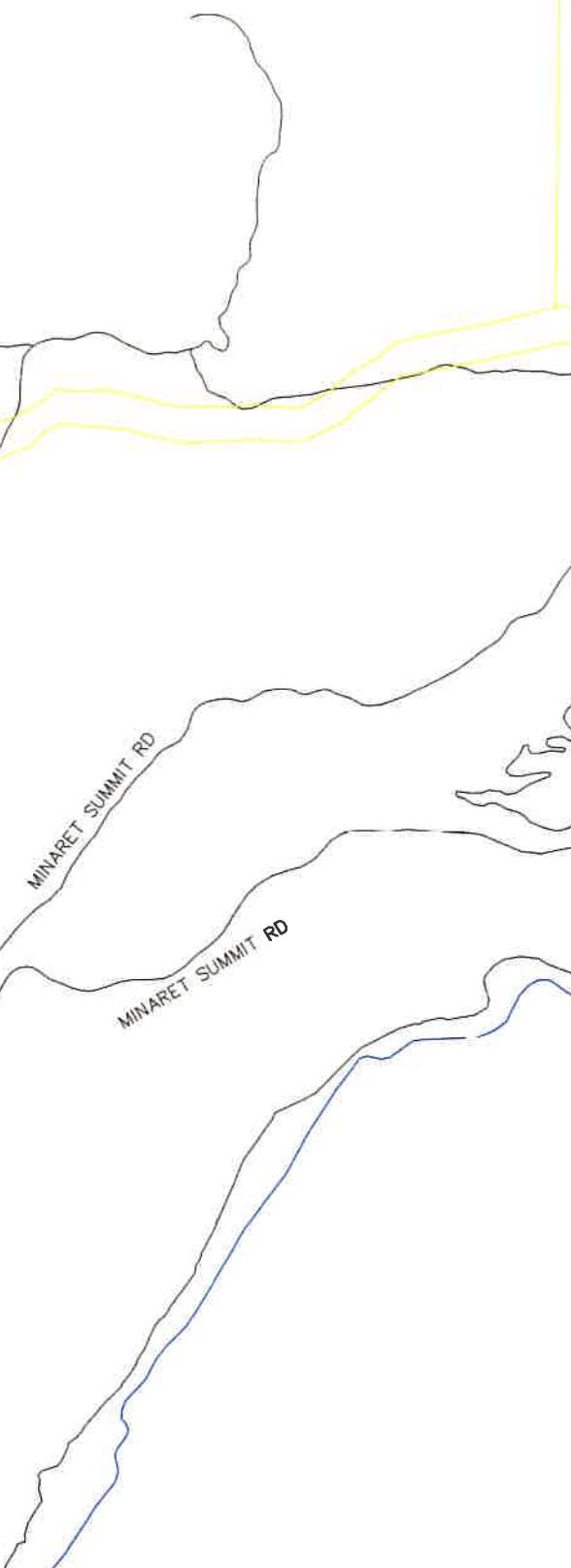
This email message, and any documents which may accompany it, contain information which is intended for use only by the intended recipient(s), and may contain information that is privileged and/or confidential. If you are not the intended recipient of this message you are hereby notified that any review, disclosure, dissemination, distribution, copy or other use of this message or its attachments is strictly prohibited. If you have received this message in error, please notify the sender by reply email, delete the email from your computer and destroy all copies of the communication and any attachments.

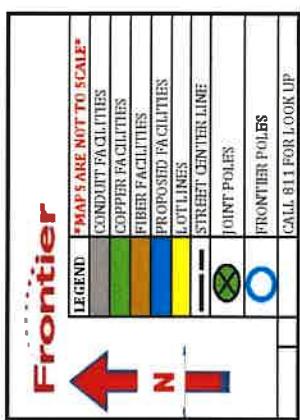
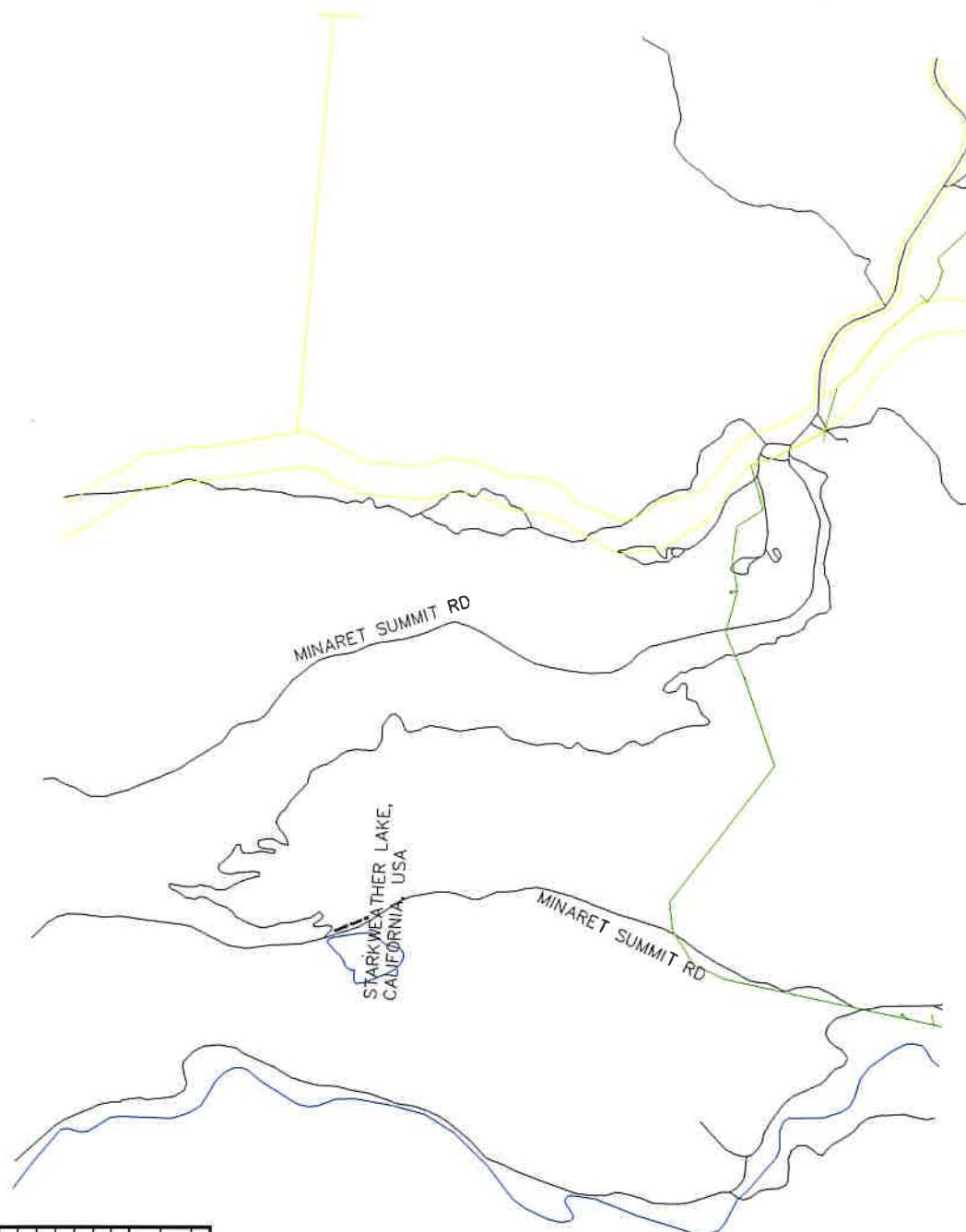


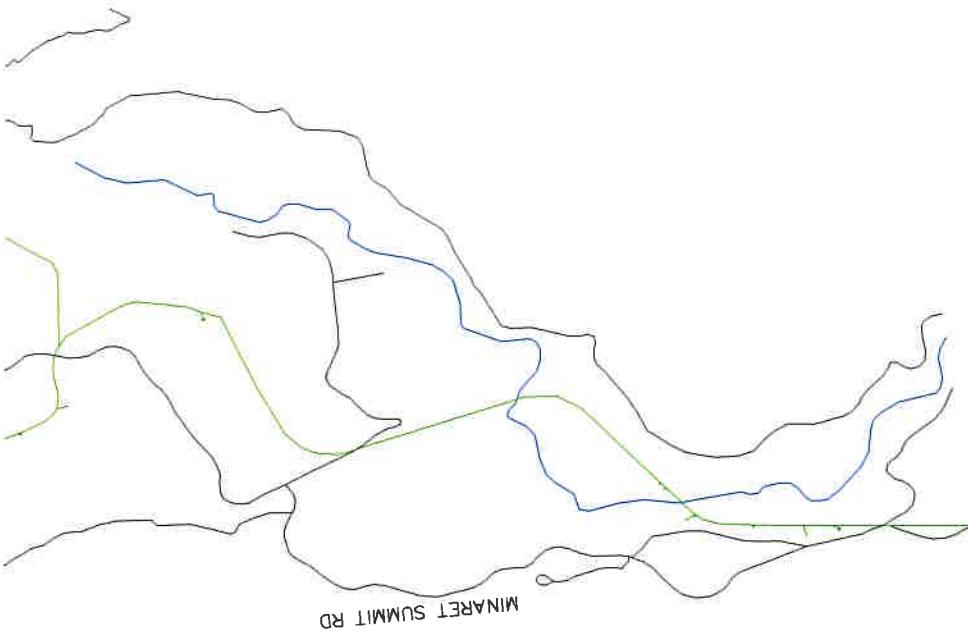
I AM NOT SEEING REDS MEADOW RD. AGNEW MEADOWS GOES INTO MINARET SUMMIT RD IN FROGS AND ON GOOGLE EARTH. SINCE THERE ARE ONLY 2 STREET NAMES ON THE VICINITY MAPS THIS IS WHAT I FOUND.

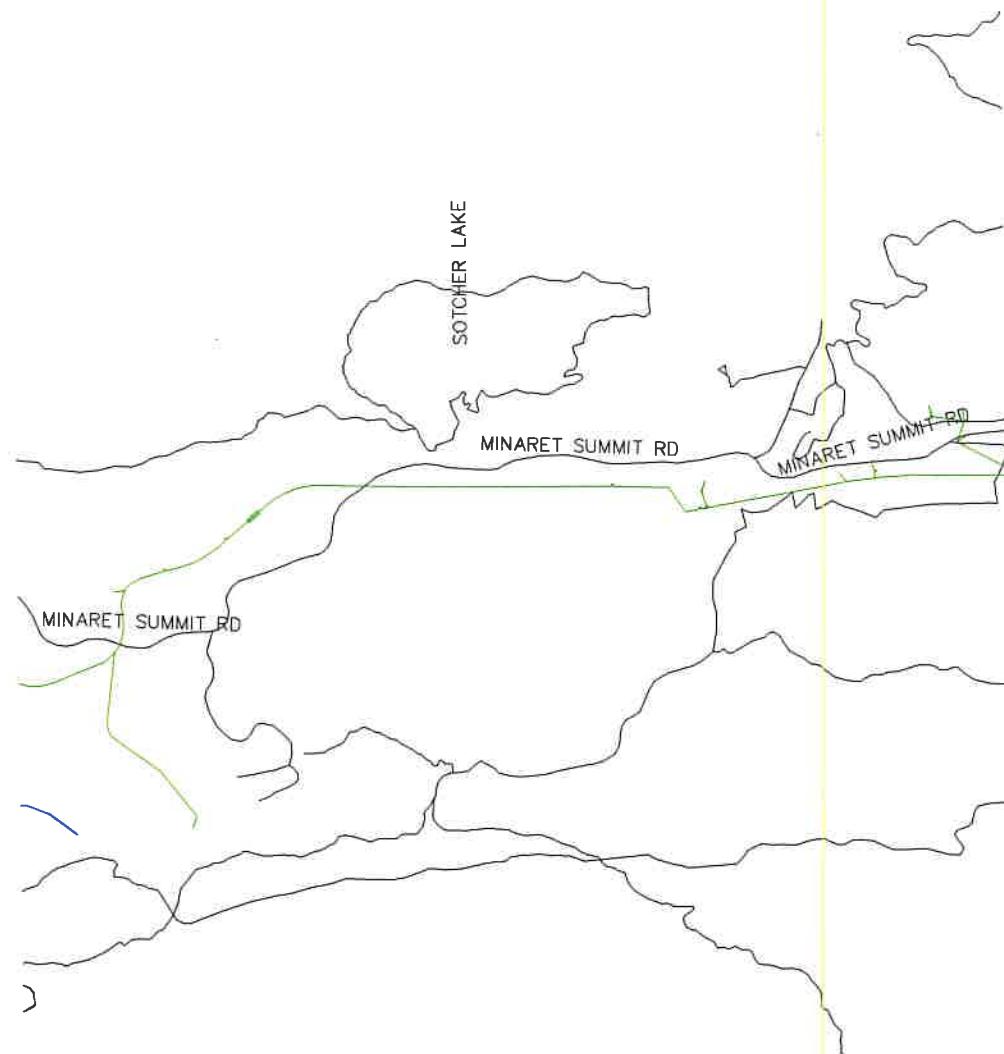
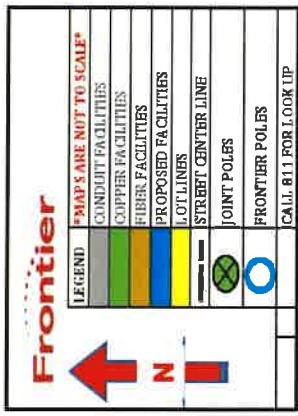
AGNEW MEADOWS RD

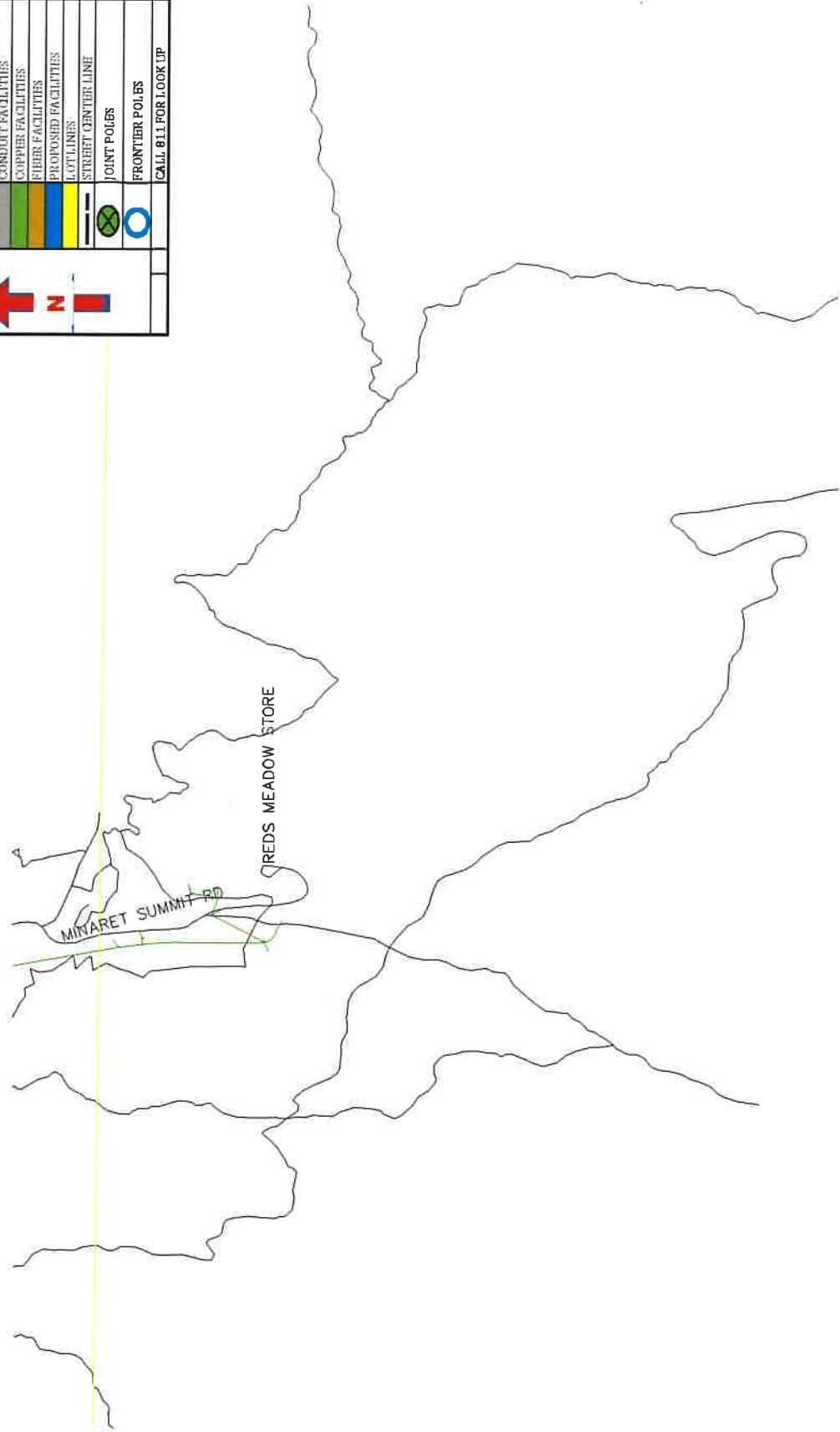
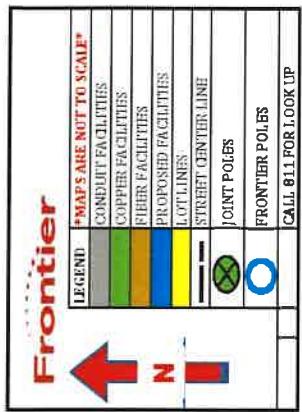
MINARET SUMMIT RD
MINARET SUMMIT RD



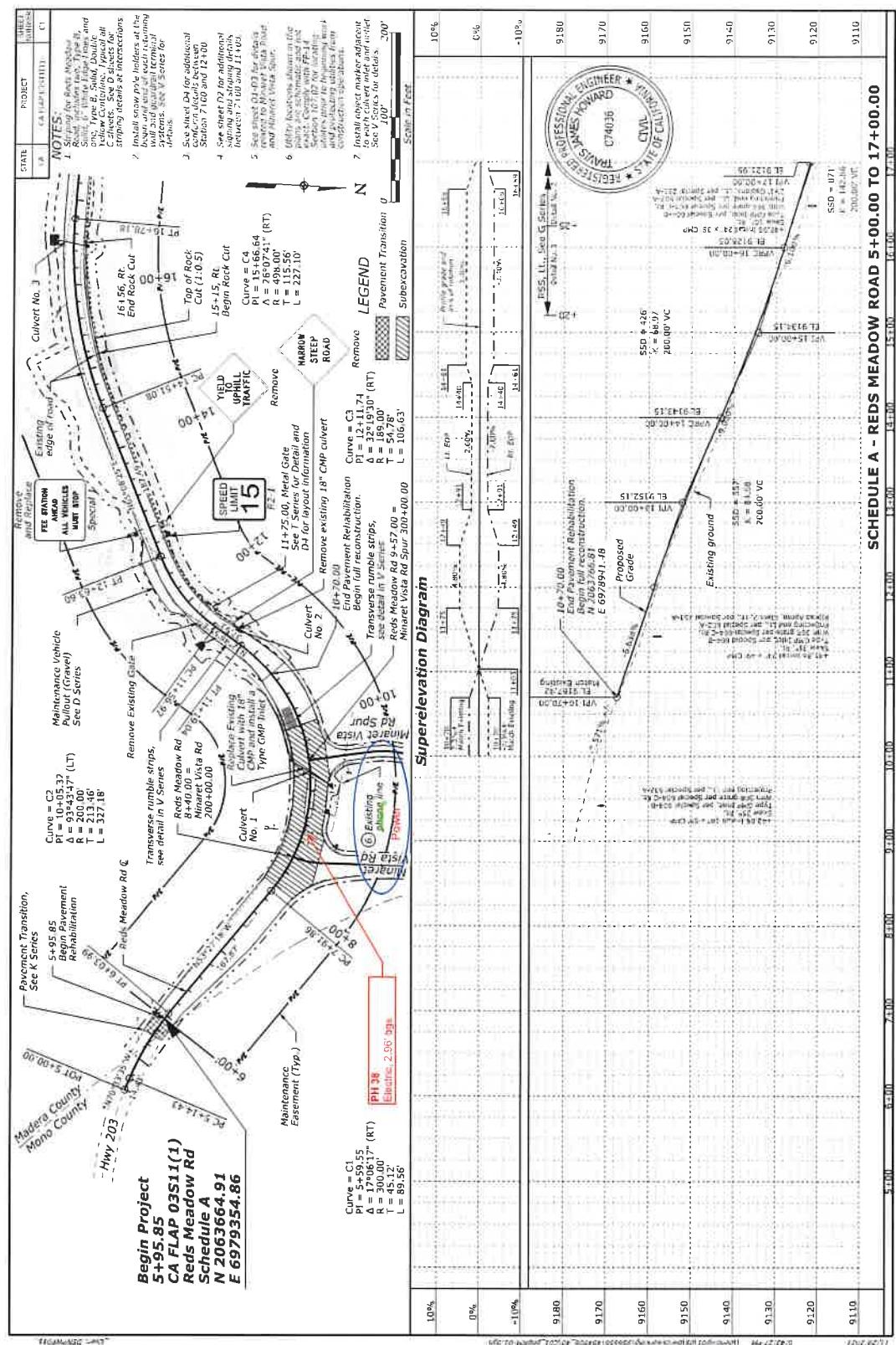


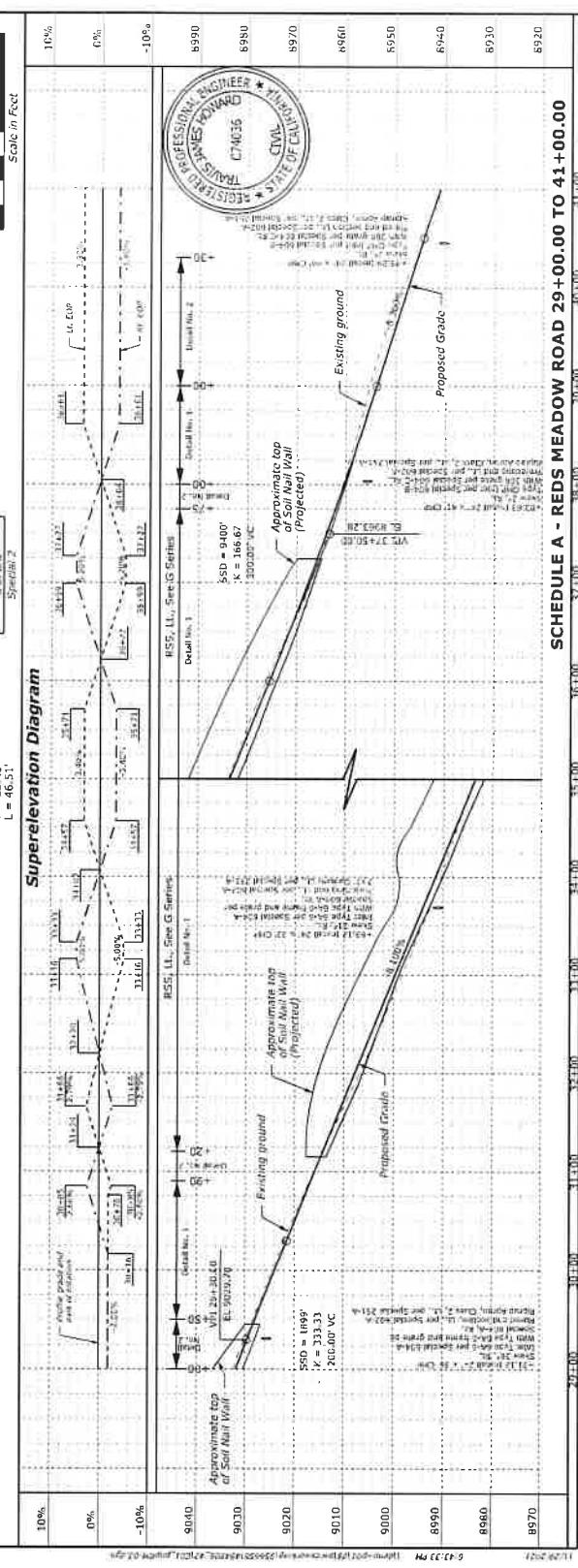
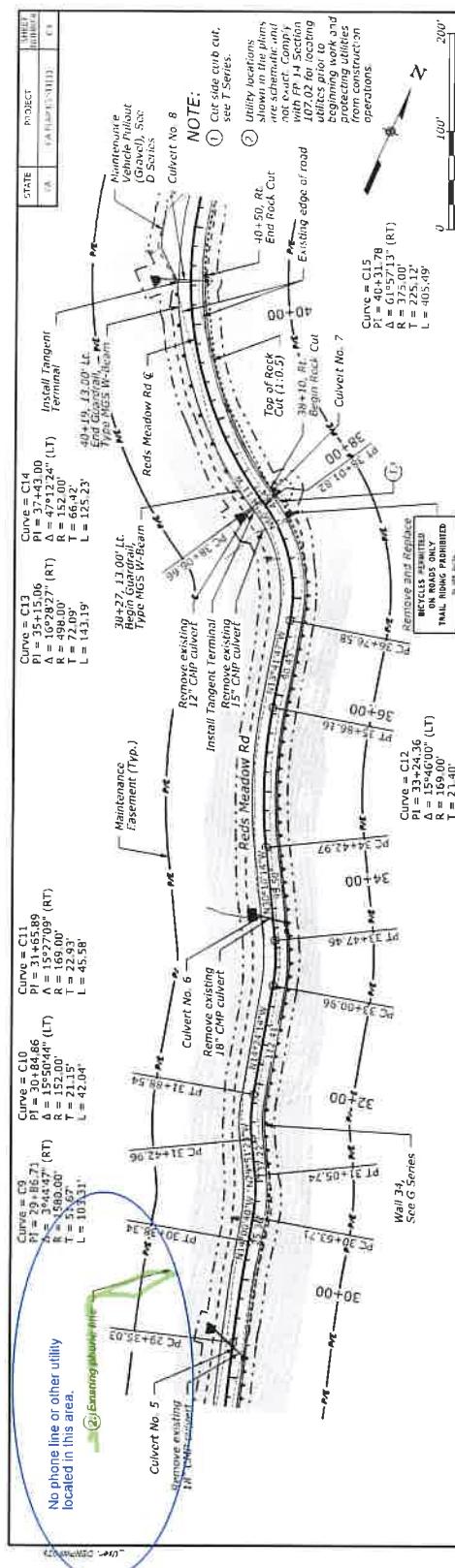


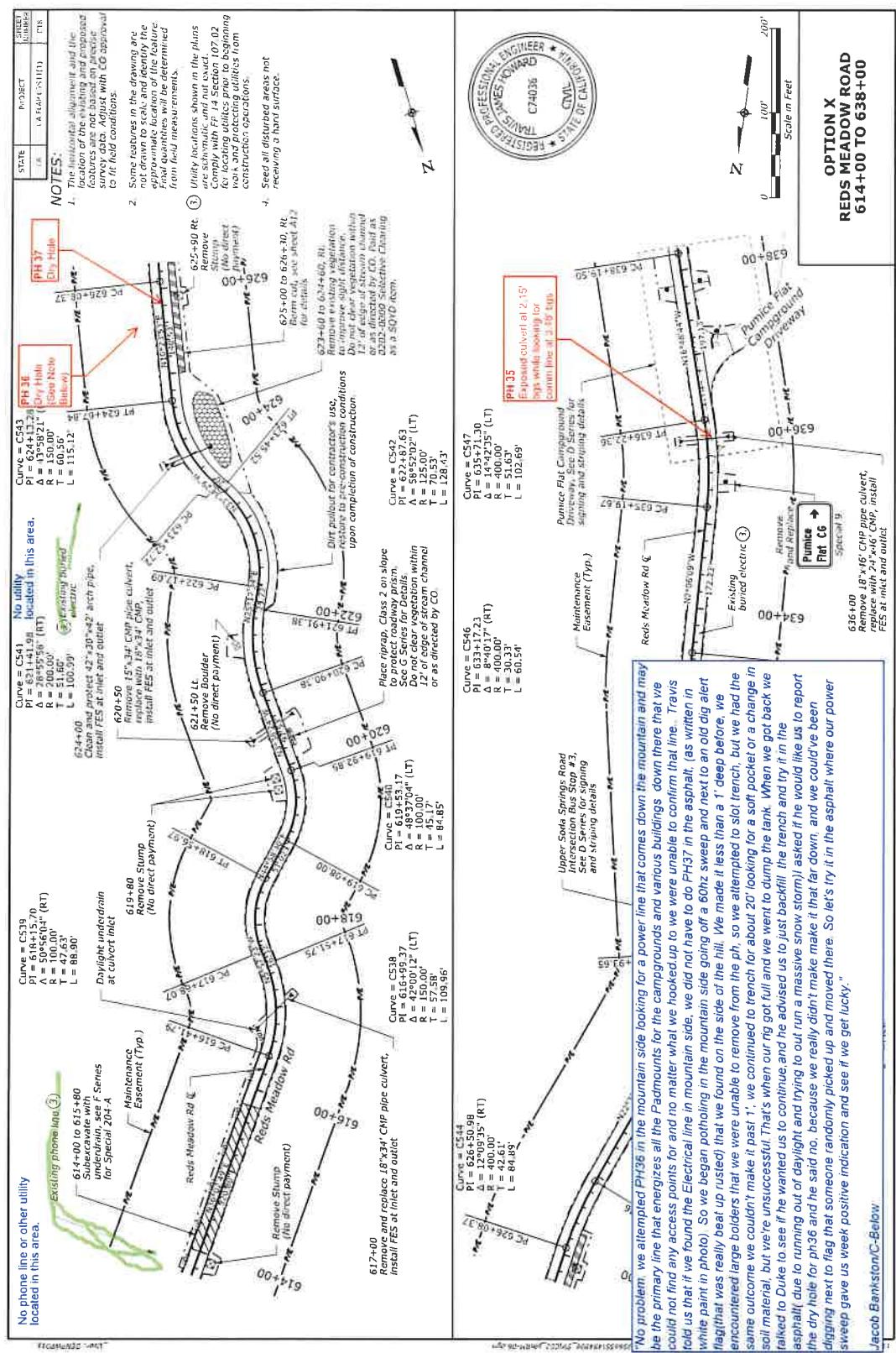


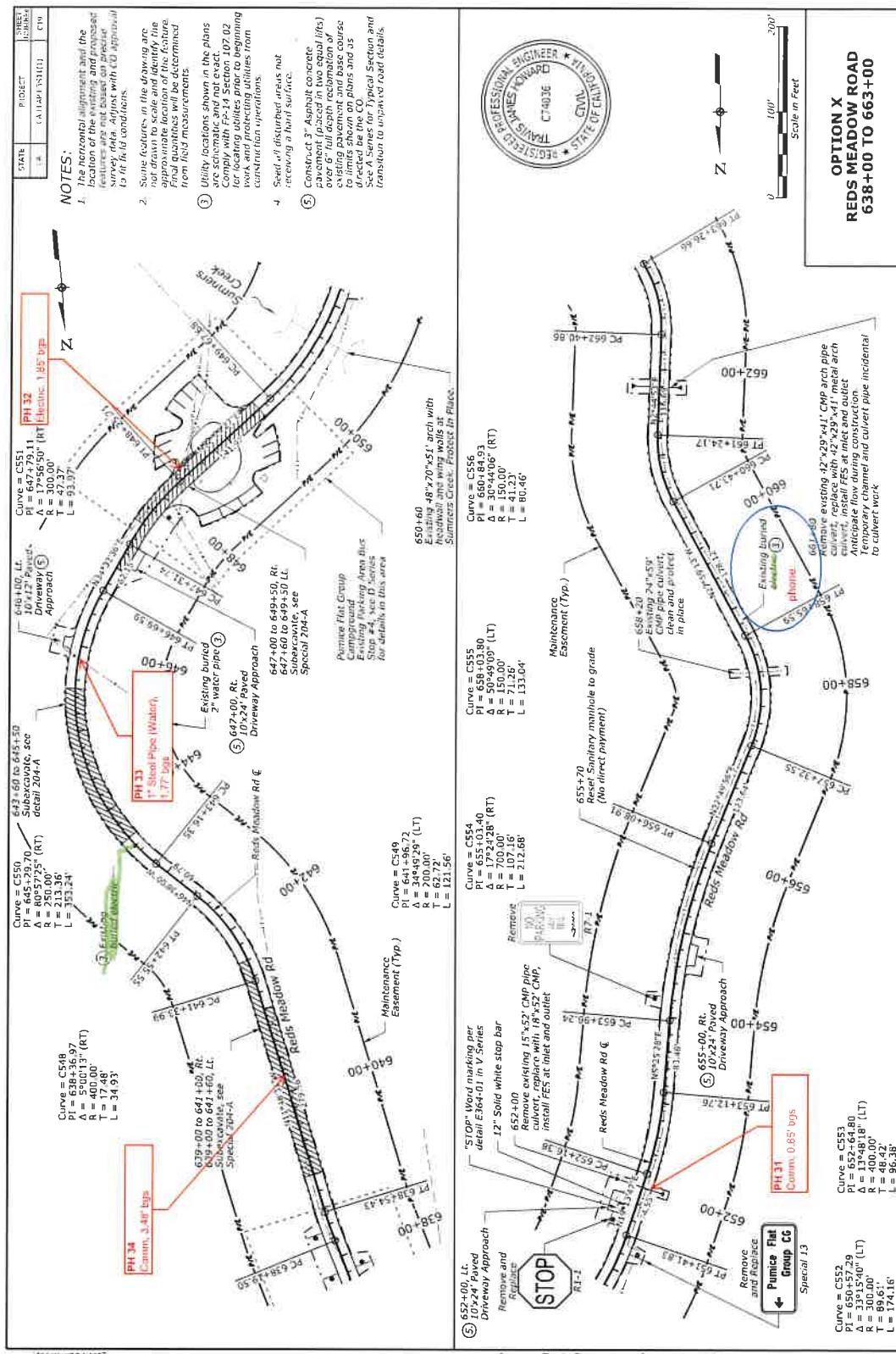


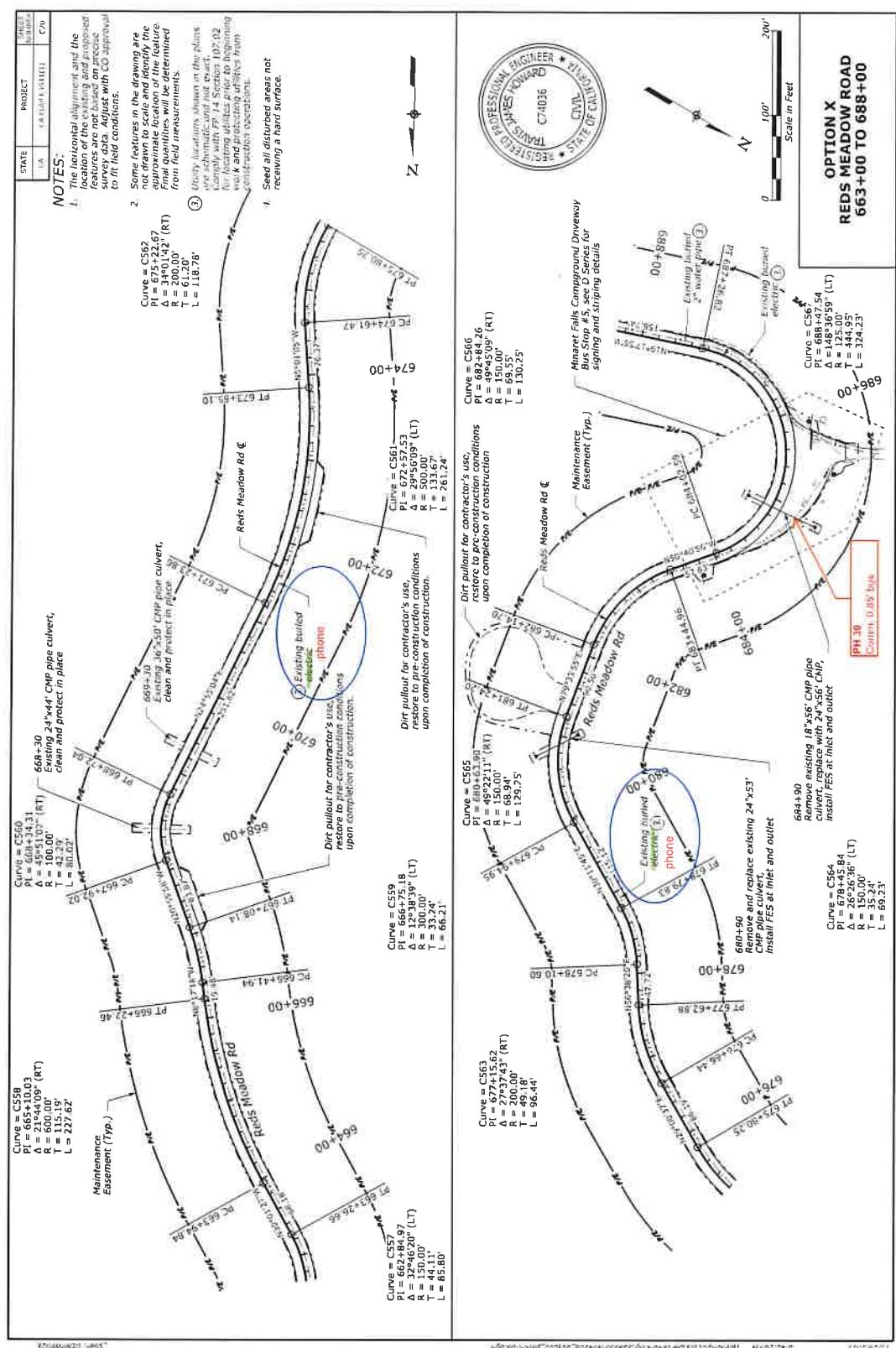
Appendix D

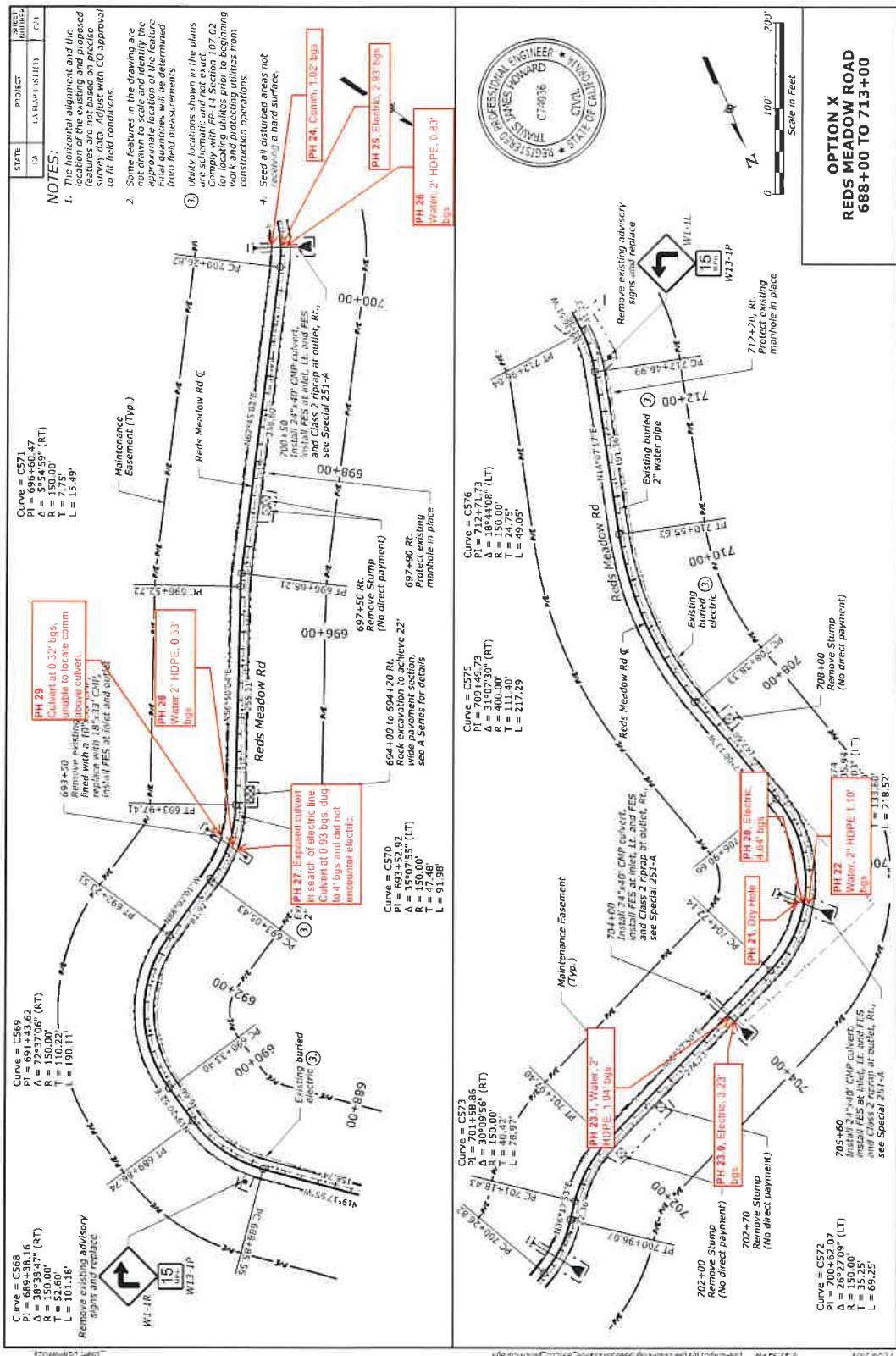


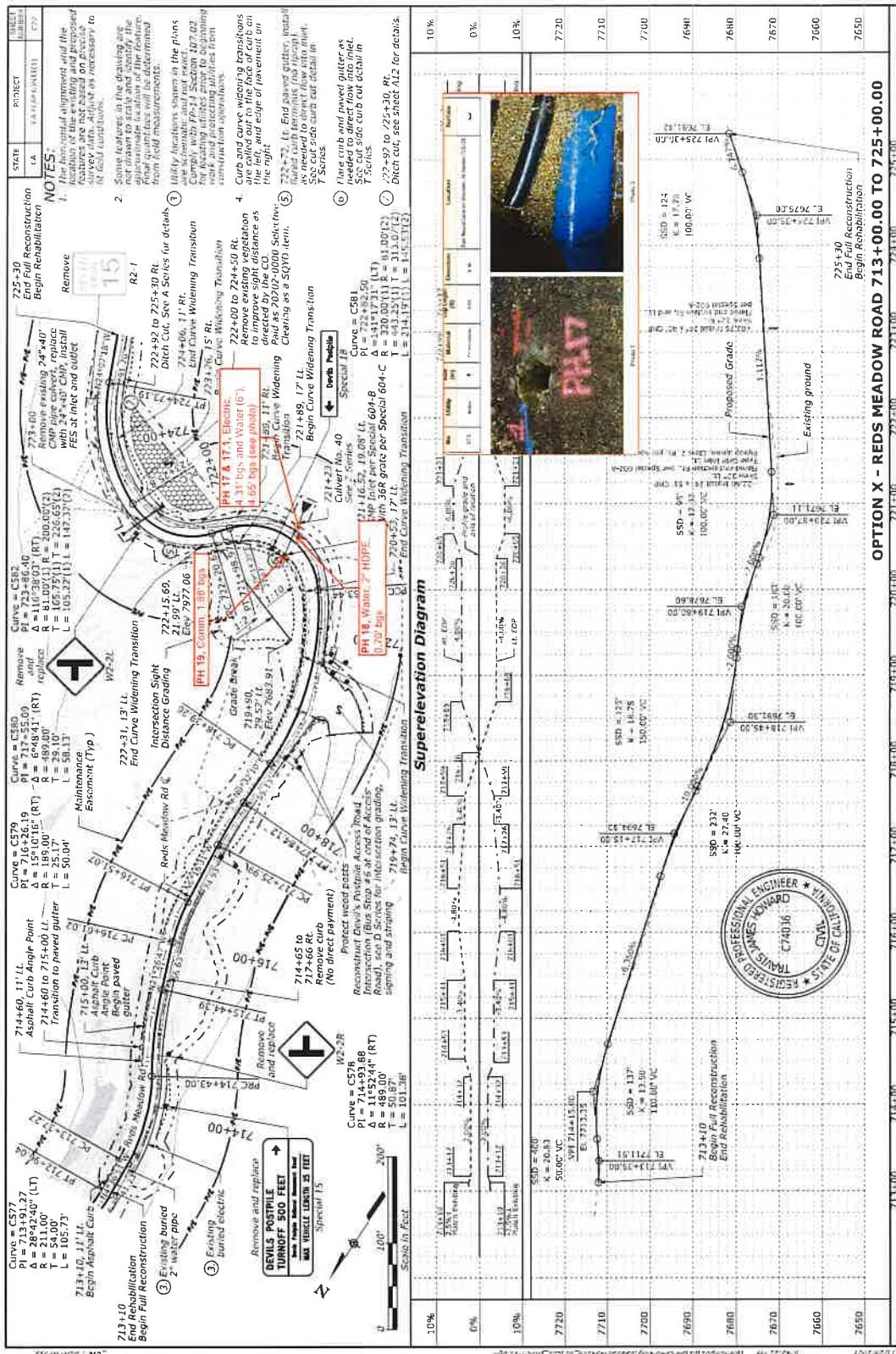












NOTES:

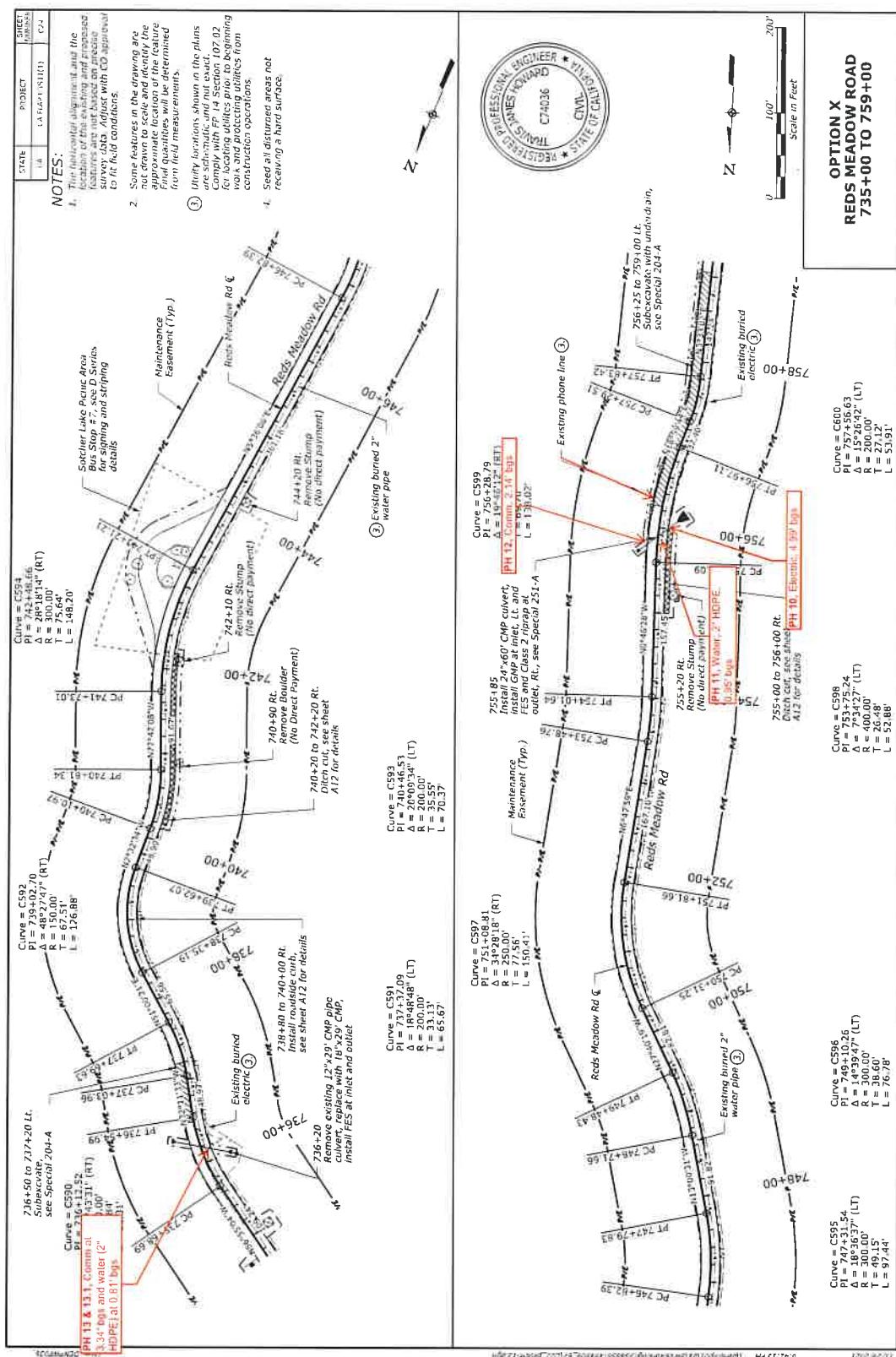
- The horizontal alignment and the location of the existing and proposed features are not based on precise survey data. Apply with CG approval to field conditions.
- Some features in the drawing are not drawn to scale and identify the approximate location of the feature. Final quantities will be determined from field measurements.
- Utilized locations shown in the plans and schematic and not the feature. Comply with FR-14 Section 107.02 for locating utilities prior to beginning work and protecting utilities from construction operations.
- All disturbed areas not receiving a hard surface.

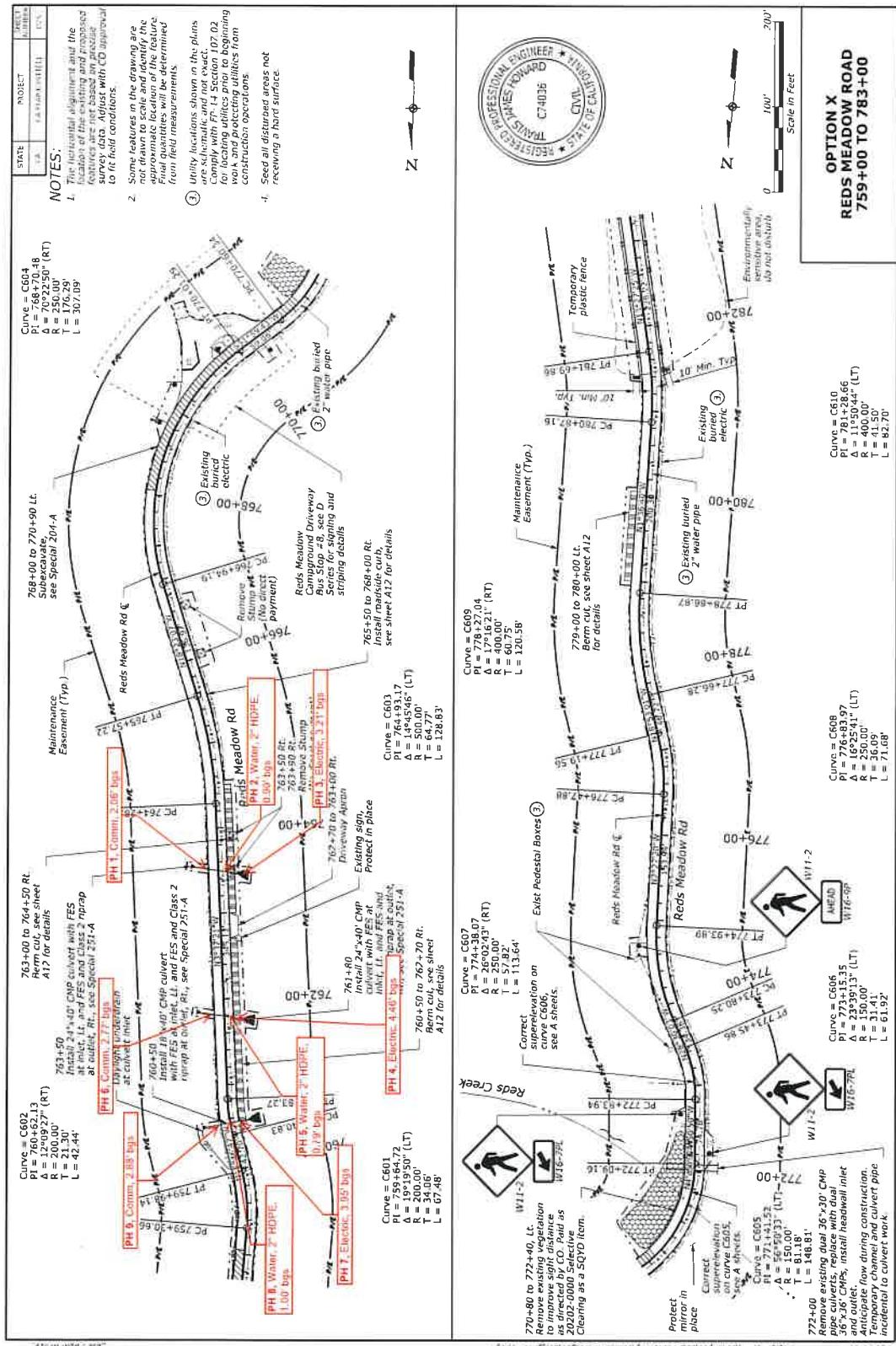
PROJECT NUMBER: C74036
LA: LA 100-100011
DATE: 12/14

FEASIBILITY STATEMENT: PROPOSED FORWARD

OPTION X REDS MEADOW ROAD
725+00 TO 735+00

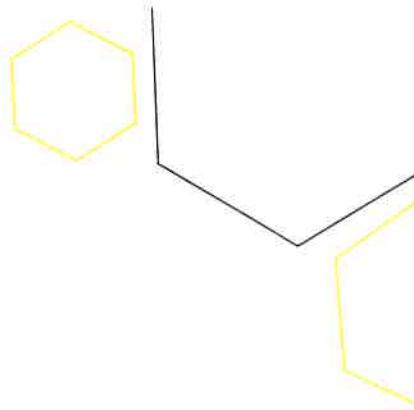
Detailed description of the plan: The plan shows a road alignment from approximately 725+00 to 735+00. It includes three curves: C589 (PI = 731+00.19, R = 150.00', L = 37.64'), C585 (PI = 728+46.94, R = 150.00', L = 57.22'), and C584 (PI = 727+45.19, R = 150.00', L = 70.37'). Construction activities include 'Correct superelevation on curve C589, see A Series' and 'Place RECP and seed exposed surfaces'. Utility protection is required for 'Existing buried 2" HDPE' and 'Existing 4" Pgs. Sewer stopped at 4' fl. of culvert'. Other notes include 'Remove existing utility signs and replace' and 'Protect existing utility lines'. A professional engineer's seal is present, and a scale bar indicates distances up to 200'.





Appendix E

**Utility Locating
Radiography
Potholing
Mapping
GPR**



Date: October 22, 2021
Technician: Jacob Bankston
Project Name: 148028138 CFL TO F073 Red Meadows
Project Address: Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA
C Below Project No.: 21-4098

Pothe...
Postpile...
Below...



www.cbelow.com

1-888-90-BELOW

14280 Euclid Ave.
Chino, CA 91710



14280 Euclid Ave
Chino, CA 91710
1-888-90-BELOW

Date: **October 22, 2021**
 Technician: **Jacob Bankston**
 Project Name: **148028138 CFL TO F073 Red Meadows**
 Project Address: **Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA**
 C Below Project No.: **21-4098**

Project Summary

No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
1	Comm	1	Direct Buried	2.06	N-S	North Bound Lane on Shoulder, At Station 763+50 in Soil	Soil
2	Unknown	2	Plastic	0.90	N-S	South Bound Lane, At Station 763+50	Asphalt
3	Unknown	(3) 1	Other	3.21	N-S	South Bound Lane on Shoulder, At Station 763+50	Soil
4	Unknown	(3) 1	Unknown	4.46	N-S	South Bound Lane on Should, At Station 762+00	Asphalt
5	Unknown	2	Plastic	0.79	N-S	South Bound Lane, At Station 762+00	Asphalt
6	Comm	1	Direct Buried	2.77	N-S	North Bound Lane on Shoulder, At Station 762+00	Soil
7	Unknown	1	Unknown	3.95	N-S	South Bound Lane on Shoulder, At Station 760+70	Soil
8	Unknown	2	Plastic	1.00	N-S	South Bound Lane, At Station 761+00	Asphalt
9	Comm	1	Unknown	2.88	N-S	North Bound Lane on Shoulder, At Station 760+70	Soil
10	Unknown	1	Unknown	4.99	N-S	South Bound Lane, At Station 755+85	Asphalt
11	Unknown	2	Plastic	0.95	N-S	South Bound Lane, At Station 755+87	Asphalt
12	Comm	1	Direct Buried	2.14	N-S	North Bound Lane on Shoulder, At Station 755+87	Soil
13	Comm	1	Direct Buried	3.34	E-W	South Bound Lane, At Station 736+00	Asphalt
13.1	Unknown	2	Plastic	0.81	E-W	South Bound Lane, At Station 736+00	Asphalt
14	Unknown	2	Plastic	1.06	NW-SE	South East Bound Lane, At Station 727+73	Asphalt

Comments: Top depth is measured from ground surface to top of utility. Potholes were performed at locations specified by the client. Utility size and material are based on visual estimates and may vary. Approximate coordinates (Lat/Long) are provided to show a general area of pothole location and are for information purposes only.





14280 Euclid Ave
Chino, CA 91710
1-888-90-BELOW

Date: **October 22, 2021**
 Technician: **Jacob Bankston**
 Project Name: **148028138 CFL TO F073 Red Meadows**
 Project Address: **Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA**
 C Below Project No. **21-4098**

Project Summary

No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
15	Dry Hole	N/A	N/A	N/A	N/A	South East Bound Lane, At Station 727+73	Asphalt
16	Comm	1	Direct Buried	2.79	NW-SE	North Bound Lane, At Station 727+73	Asphalt
17	Electric	(2) 2	Unknown	4.31	E-W	East Bound Lane on Shoulder, At Station 721+23	Soil
17.1	Water	6	Polyethylene	4.65	E-W	East Bound Lane on Shoulder, At Station 721+23	Soil
18	Unknown	2	Plastic	0.70	E-W	East Bound Lane, At Station 721+23	Asphalt
19	Comm	1	Unknown	1.88	E-W	West Bound Lane, At Station 721+23	Asphalt
20	Unknown	(2) 2	Unknown	4.64	N-S	North Bound Lane, At Station 705+60	Asphalt
21	Dry Hole	N/A	N/A	N/A	N/A	South Bound on Miranet Summit Rd., At Station 705+60	Asphalt
22	Unknown	2	Plastic	1.10	N-S	South Bound on Miranet Summit Rd., At Station 705+60	Asphalt
23	Unknown	(3) 2	Unknown	3.23	NE-SW	South West Bound on Miranet Summit Rd., At Station 704+00	Asphalt
23.1	Unknown	2	Plastic	1.04	NE-SW	South West Bound on Miranet Summit Rd., At Station 704+00	Asphalt
24	Comm	1	Direct Buried	1.02	NE-SW	North East Bound on Miranet Summit Rd. on Shoulder, At Station 700+50	Soil
25	Unknown	(3) 2	Unknown	2.93	NE-SW	South West Bound on Miranet Summit Rd., At Station 700+50	Asphalt
26	Unknown	2	Plastic	0.83	NE-SW	South West Bound on Miranet Summit Rd., At Station 700+50	Asphalt
27	Storm Drain	14	Other	0.93	NW-SE	West Bound on Miranet Summit Rd., At Station 693+50	Asphalt

Comments: Top depth is measured from ground surface to top of utility. Potholes were performed at locations specified by the client. Utility size and material are based on visual estimates and may vary. Approximate coordinates (Lat/Long) are provided to show a general area of pothole location and are for information purposes only.





14280 Euclid Ave
Chino, CA 91710
1-888-90-BELOW

Date: **October 22, 2021**
Technician: **Jacob Bankston**
Project Name: **148028138 CFL TO F073 Red Meadows**
Project Address: **Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA**
C Below Project No. **21-4098**

Project Summary

No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
28	Unknown	2	Plastic	0.53	NE-SW	East Bound on Miranet Summit Rd., At Station 693+50	Asphalt
29	Storm Drain	14	Corrugated	0.32	N-S	East Bound on Miranet Summit Rd. on Shoulder, At Station 693+50	Soil
30	Comm	1	Direct Buried	0.85	E-W	West Bound on Miranet Summit Rd., At Station 684+40	Asphalt
31	Comm	1	Direct Buried	0.85	N-S	South Bound on Miranet Summit Rd., At Station 652+00	Asphalt
32	Electric	(4) 1	Unknown	1.85	N-S	North East Bound on Miranet Summit Rd., At Station 648+00	Asphalt
33	Unknown	1	Steel	1.77	E-W	Center of Miranet Summit Rd. , At Station 646+00	Asphalt
34	Comm	1	Direct Buried	3.48	N-S	Center of Miranet Summit Rd., At Station 640+00	Asphalt
35	Comm	3	Steel	3.48	NW-SE	North West Bound on Miranet Summit Rd., At Station 636+00	Asphalt
35.1	Storm Drain	12	Steel	2.15	N-S	North West Bound on Miranet Summit Rd., At Station 636+00	Asphalt
37	Dry Hole	N/A	N/A	N/A	N/A	North Bound on Miranet Summit Rd., At Station 625+00	Asphalt

Comments: Top depth is measured from ground surface to top of utility. Potholes were performed at locations specified by the client. Utility size and material are based on visual estimates and may vary. Approximate coordinates (Lat/Long) are provided to show a general area of pothole location and are for information purposes only.





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name: Jacob Bankston	Date: 10-21-2021	C Below Project No: 21-4098
Project Name: 21-4098 148028138 CFL TO F073 Red Meadows	Project Address: Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company: Jacobs Orange County	Contact: Loree Czarnecki Macedo	
Pothole No: 1	Location: North Bound Lane on Shoulder, At Station 763+50 in Soil	

Surface Type: <input type="button" value="Soil"/>	Profile View (not to scale)
Thickness: <input type="button" value="N/A"/> (feet)	Measured Distance from Finished Surface
Top: <input type="button" value="2.06"/> (feet)	
Bottom: <input type="button" value="2.14"/> (feet)	
Size: <input type="button" value="1"/> (in)	
Utility: <input type="button" value="Comm"/>	
Material: <input type="button" value="Direct Buried"/>	
Direction: <input type="button" value="N-S"/>	
Notes:	
<p>Potholed on Cbelow mark and uncovered a direct buried communication line Approximate Coordinates 37.622043, -119.076789 Top of utility depth recorded level with hub. Unable to remove roots from hole due to air digging per client request.</p>	

PHYSICAL SWING TIE INFORMATION											
No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	N/A	N	Facing North	2	N/A	S	Facing South	3	1.00	W	Edge of Asphalt

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
1	Comm	1	Direct Buried	2.06	N-S	North Bound Lane on Shoulder, At Station 763 +50 in Soil	Soil



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

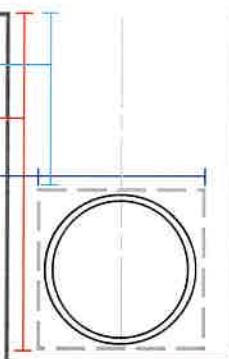
14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 2	Location South Bound Lane, At Station 763+50	

Surface Type: Asphalt Profile View (not to scale)
 Thickness: 0.20 (feet)

Measured Distance from Finished Surface

Top: 0.90 (feet)
 Bottom: 1.06 (feet)
 Size: 2 (in)
 Utility: Unknown
 Material: Plastic
 Direction: N-S



Notes:

Potholed on trench for possible water line, due to no USA Marks we dug next to the trench and under concrete due to not sure how shallow pipe is under concrete.
 Pipe is completely enclosed in concrete photo take from under the concrete.
 Depth take from a level held under the pipe with ruler placed ontop of level.
 Approximate Coordinates 37.6218921, -119.0767926

PHYSICAL SWING TIE INFORMATION			
No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	4.10	E	Edge of Asphalt
2	15.70	W	Edge of Asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	N/A	N	Facing North

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
2	Unknown	2	Plastic	0.90	N-S	South Bound Lane, At Station 763+50	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

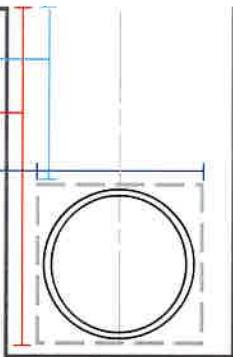
14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 3	Location South Bound Lane on Shoulder, At Station 763+50	

Surface Type: Soil Profile View (not to scale)
 Thickness: N/A (feet)

Measured Distance from Finished Surface

Top: 3.21 (feet)
 Bottom: 3.29 (feet)
 Size: (3) 1 (in)
 Utility: Unknown
 Material: Other
 Direction: N-S



Notes:

No USA marks, performed a power sweep for possible power lines, and dug per mark on positive indications.
 Lines found at same depth
 Unable to fully clean lines due to air digging.

PHYSICAL SWING TIE INFORMATION			
No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	0.10	W	Edge of Asphalt
2	N/A	N	Facing North
3	N/A	S	Facing South

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
3	Unknown	(3) 1	Other	3.21	N-S	South Bound Lane on Shoulder, At Station 763 +50	Soil



Photo 1

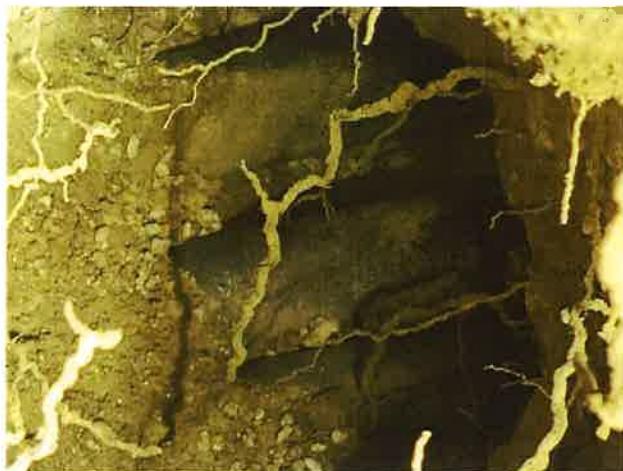


Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 4	Location South Bound Lane on Should, At Station 762+00	

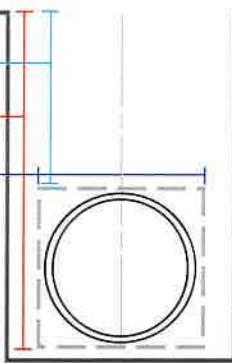
Surface Type: Asphalt

Profile View (not to scale)
Measured Distance from Finished Surface

Thickness: 0.20 (feet)

Notes:

Top: 4.46 (feet)
 Bottom: 4.54 (feet)
 Size: (3) 1 (in)
 Utility: Unknown
 Material: Unknown
 Direction: N-S



No USA Marks, potholed per positive indication on power sweep and uncovered possible electrical lines
 Lines found at same depth.
 Approximate Coordinates 37.6224373, -119.0768697

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	N/A	N	Facing North

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	2.10	W	Edge of Asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	N/A	S	Facing South

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
4	Unknown	(3) 1	Unknown	4.46	N-S	South Bound Lane on Should, At Station 762+00	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





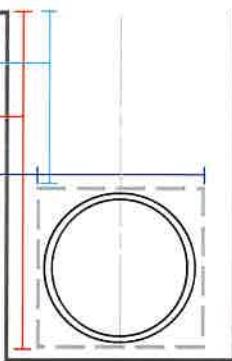
POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 5	Location South Bound Lane, At Station 762+00	

Surface Type: Asphalt Profile View (not to scale)
 Thickness: 0.20 (feet) Measured Distance from Finished Surface

Top: 0.79 (feet)
 Bottom: 0.96 (feet)
 Size: 2 (in)
 Utility: Unknown
 Material: Plastic
 Direction: N-S



Notes:

Possible water line in trench per client asbuilts.
 Measurements taken from bottom of pipe.
 Approximate Coordinates 37.6224476, -119.0768670

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	N/A	N	Facing North

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	6.10	E	Edge of Asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	14.11	W	Edge of Asphalt

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
5	Unknown	2	Plastic	0.79	N-S	South Bound Lane, At Station 762+00	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
OFFICE: (888) 902-3569
FAX: (909) 606-6555

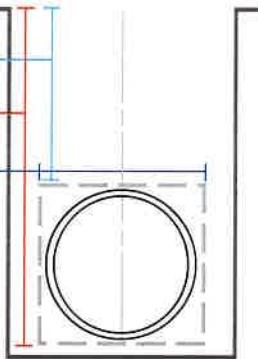
Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 6	Location North Bound Lane on Shoulder, At Station 762+00	

Surface Type: Profile View (not to scale)
Measured Distance from Finished Surface

Thickness: (feet)

Notes:

Top: (feet)
Bottom: (feet)
Size: (in)
Utility:
Material:
Direction:



No USA markings, went off Cbelow markings and uncovered a direct Bury Communications line.
Unable to remove roots from hole due to air digging.
Depth recorded from hub.
Approximate Coordinates 37.6224428, -119.0768516

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	N/A	S	Facing South

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	2.30	W	Edge of Asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	N/A	N	Facing North

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
6	Comm	1	Direct Buried	2.77	N-S	North Bound Lane on Shoulder, At Station 762 +00	Soil



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 7	Location South Bound Lane on Shoulder, At Station 760+70	

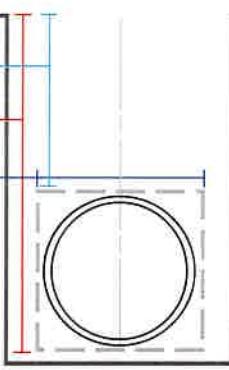
Surface Type: Profile View (not to scale)
 Thickness: (feet)

Measured Distance from Finished Surface

Notes:

No USA markings, potholed for possible power lines on Cbelow mark
 from a power sweep.
 Measurements taken
 Recorded off of hub.
 All line were found at same depth

Top: (feet)
 Bottom: (feet)
 Size: (in)
 Utility:
 Material:
 Direction:



PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	99.30	S	Water Valve

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	1.10	E	Edge of Asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	N/A	S	Facing South

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
7	Unknown	1	Unknown	3.95	N-S	South Bound Lane on Shoulder, At Station 760 +70	Soil



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

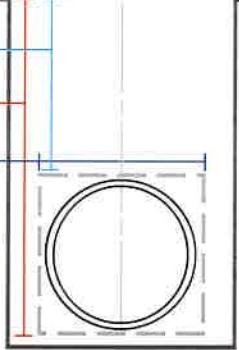
14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 8	Location South Bound Lane, At Station 761+00	

Surface Type: Asphalt Profile View (not to scale)
 Thickness: 0.20 (feet)

Notes:

Top: 1.00 (feet)
 Bottom: 0.83 (feet)
 Size: 2 (in)
 Utility: Unknown
 Material: Plastic
 Direction: N-S



No USA markings potholed just off to the side of the trench (on possible water line) because we already knew pipe was shallow and encased in concrete did not want to risk damaging pipe with jackhammer
 Measurement taken from bottom of pipe.
 Approximate Coordinates 37.6226038, -119.0768918

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	99.10	SE	Water valve

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	4.20	W	edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	16.90	E	edge of asphalt

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
8	Unknown	2	Plastic	1.00	N-S	South Bound Lane, At Station 761+00	Asphalt



Photo 1



Photo 2

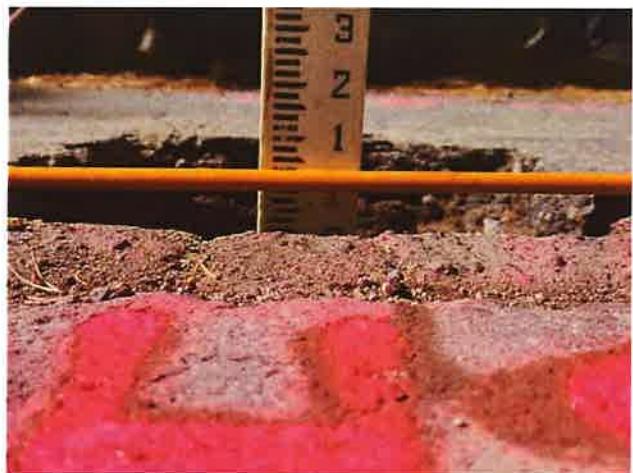


Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

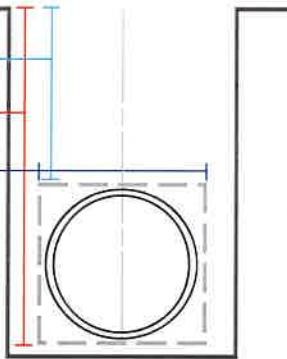
14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 9	Location North Bound Lane on Shoulder, At Station 760+70	

Surface Type: Profile View (not to scale)
 Measured Distance from Finished Surface

Thickness: (feet)

Top: (feet)
 Bottom: (feet)
 Size: (in)
 Utility:
 Material:
 Direction:



Notes:

No USA markings, potholed on Cbelow offset and uncovered a direct buried communication line.
 Depth and Measurements recorded from hub.
 Approximate Coordinates 37.6226157, -119.0768385

PHYSICAL SWING TIE INFORMATION			
No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	N/A	S	Facing South
2	1.60	E	edge of asphalt
3	N/A	N	Facing North

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
9	Comm	1	Unknown	2.88	N-S	North Bound Lane on Shoulder, At Station 760 +70	Soil



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 10	Location South Bound Lane, At Station 755+85	

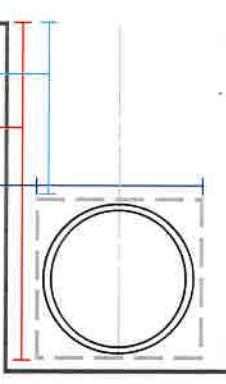
Surface Type: Asphalt Profile View (not to scale)
 Thickness: 0.40 (feet)

Measured Distance from Finished Surface

Notes:

No USA marks, Potholed on Cbelow mark from a power sweep in search of a possible electrical lines.
 Approximate Coordinates 37.6240319, -119.0767396
 Lines were found at same depth

Top: 4.99	(feet)
Bottom: 5.07	(feet)
Size: 1	(in)
Utility: Unknown	
Material: Unknown	
Direction: N-S	



PHYSICAL SWING TIE INFORMATION			
No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	20.50	W	Edge of asphalt
2	1.10	E	Edge of asphalt
3	N/A	N	Facing North

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
10	Unknown	1	Unknown	4.99	N-S	South Bound Lane, At Station 755+85	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

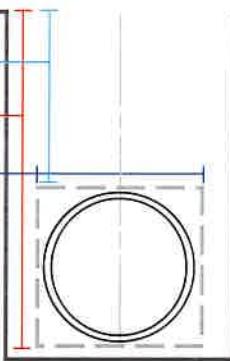
14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 11	Location South Bound Lane, At Station 755+87	

Surface Type: Asphalt Profile View (not to scale)
 Thickness: 0.60 (feet)

Measured Distance from Finished Surface

Top: 0.95 (feet)
 Bottom: 1.12 (feet)
 Size: 2 (in)
 Utility: Unknown
 Material: Plastic
 Direction: N-S



Notes:

Potholed next to trench to uncover possible water line encased in concrete
 Measurements recorded from bottom of pipe.
 Approximate Coordinates 37.6239985, -119.0767500

PHYSICAL SWING TIE INFORMATION				
No.	Distance (ft)	Dir.	From Permanent Existing Fixture	
1	16.00	W	Edge of asphalt	
2	6.00	W	Edge of asphalt	
3	N/A	N	Facing North	

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
11	Unknown	2	Plastic	0.95	N-S	South Bound Lane, At Station 755+87	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:



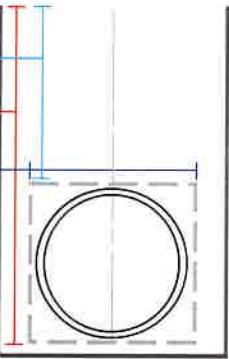


POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 12	Location North Bound Lane on Shoulder, At Station 755+87	

Surface Type: <input type="button" value="Soil"/>	Profile View (not to scale)
Thickness: <input type="button" value="N/A"/>	Measured Distance from Finished Surface
Top: <input type="button" value="2.14"/>	(feet)
Bottom: <input type="button" value="2.22"/>	(feet)
Size: <input type="button" value="1"/>	(in)
Utility: <input type="button" value="Comm"/>	
Material: <input type="button" value="Direct Buried"/>	
Direction: <input type="button" value="N-S"/>	



Notes:

No USA markings, potholed on Cbelow offset and uncovered a direct buried communication line.
 Approximate Coordinates 37.6239873, -119.0766930

PHYSICAL SWING TIE INFORMATION				
No.	Distance (ft)	Dir.	From Permanent Existing Fixture	
1	1.60	W	Edge of asphalt	
No.	Distance (ft)	Dir.	From Permanent Existing Fixture	
2	N/A	S	Facing South	
No.	Distance (ft)	Dir.	From Permanent Existing Fixture	
3	N/A	N	Facing North	

LOCATION DETAIL





No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
12	Comm	1	Direct Buried	2.14	N-S	North Bound Lane on Shoulder, At Station 755 +87	Soil



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

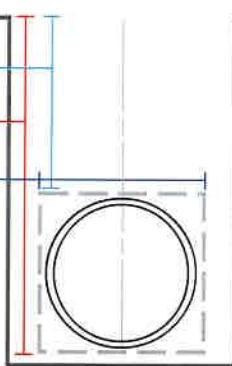
Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 13.1	Location South Bound Lane, At Station 736+00	

Surface Type: Asphalt

Profile View (not to scale)
Measured Distance from Finished Surface

Thickness: 0.60 (feet)

Top: 0.81 (feet)



Bottom: 0.98 (feet)

Size: 2 (in)

Utility: Unknown

Material: Plastic

Direction: E-W

Notes:

Potholed next to trench encasing possible water line per client plans and uncovered the bottom pipe under the concrete.
 Approximate Coordinates 37.6290209, -119.0777478
 Depth recorded from bottom of pipe

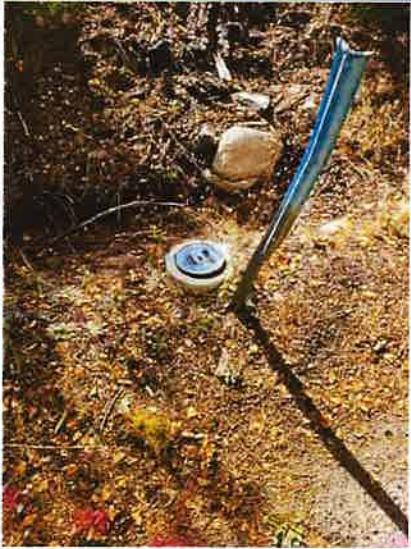
PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	8.80	SE	Communications Pedisite

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	14.70	E	Water Valve

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	17.80	NE	Edge of asphalt

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
13.1	Unknown	2	Plastic	0.81	E-W	South Bound Lane, At Station 736+00	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 13	Location South Bound Lane, At Station 736+00	

Surface Type: Asphalt

Profile View (not to scale)
Measured Distance from Finished Surface

Thickness: 0.60 (feet)

Top: 3.34 (feet)

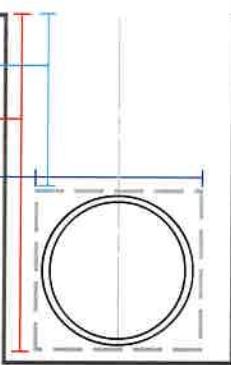
Bottom: 3.42 (feet)

Size: 1 (in)

Utility: Comm

Material: Direct Buried

Direction: E-W



Notes:

No USA markings potholed on Cbelow mark and uncovered a direct buried communication line.
 Exposed multiple utilities see pothole 13.1 for additional information.
 Approximate Coordinates 37.6290209, -119.0777478

PHYSICAL SWING TIE INFORMATION			
No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	9.00	SE	Communications Pedistals
2	15.40	E	Water valve
3	16.80	NE	Edge of asphalt

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
13	Comm	1	Direct Buried	3.34	E-W	South Bound Lane, At Station 736+00	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 14	Location South East Bound Lane, At Station 727+73	

Surface Type: Asphalt

Profile View (not to scale)
Measured Distance from Finished Surface

Thickness: 0.60 (feet)

Notes:

Top: 1.06 (feet)	
Bottom: 0.89 (feet)	
Size: 2 (in)	
Utility: Unknown	
Material: Plastic	
Direction: NW-SE	

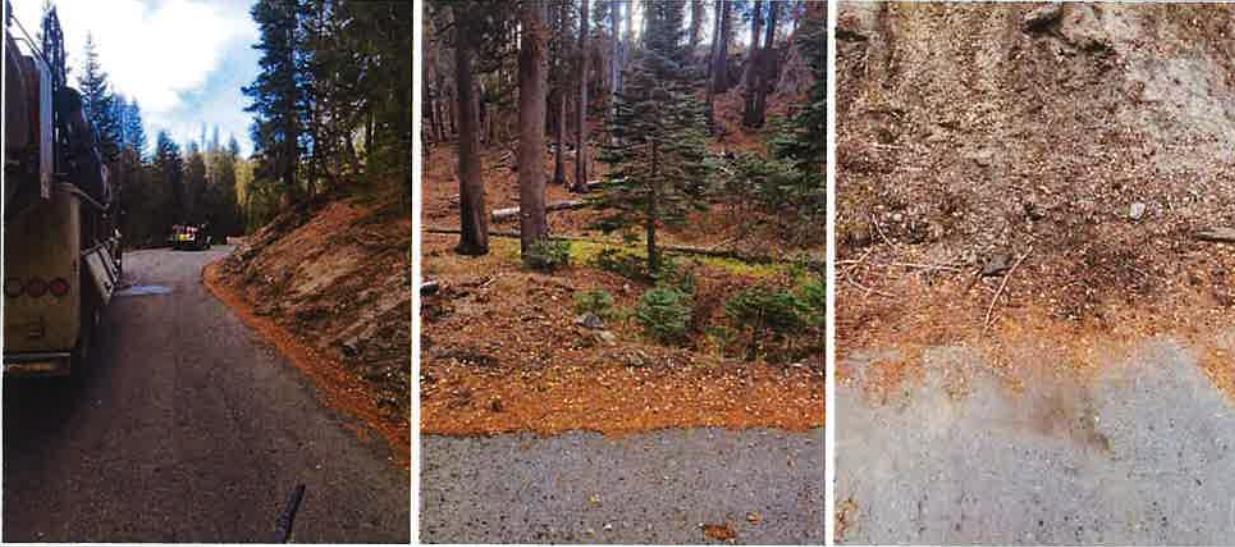
Potholed next to trench on a possible water line per client asbuilts
 measurements taken from bottom of pipe due to how shallow line is, did
 not want to risk damaging pipe.
 Approximate Coordinates 37.6306258, -119.0796820

PHYSICAL SWING TIE INFORMATION			
No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	N/A	NW	Facing North West

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	5.20	NE	Edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	16.50	SW	Edge of asphalt

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
14	Unknown	2	Plastic	1.06	NW-SE	South East Bound Lane, At Station 727+73	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

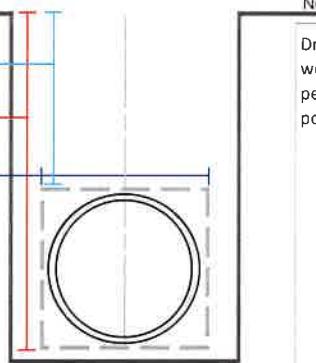
14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 15	Location South East Bound Lane, At Station 727+73	

Surface Type Asphalt Profile View (not to scale)
 Measured Distance from Finished Surface

Thickness: (feet)

Top: (feet)



Bottom: (feet)

Size: (in)

Utility:

Material:

Direction:

Notes:

Dry hole potholed on location pointed out by client with no USA marks went down to a depth of 4.40 ft. and encountered hard Soil we could not penetrate past client gave us the go ahead to stop digging past that point.

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	2.30	NE	Edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	19.10	SW	Edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	N/A	NW	Facing North West

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
15	Dry Hole	N/A	N/A	N/A	N/A	South East Bound Lane, At Station 727+73	Asphalt

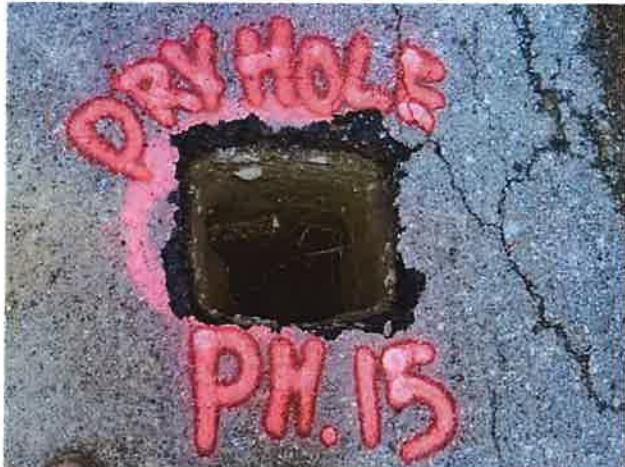


Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

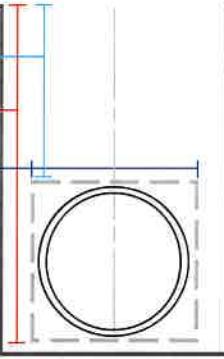
14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 16	Location North Bound Lane, At Station 727+73	

Surface Type Asphalt Profile View (not to scale)
 Measured Distance from Finished Surface

Thickness: (feet)

Notes:

Top: (feet) 
 Bottom: (feet)
 Size: (in)
 Utility:
 Material:
 Direction:

No USA markings potholed on Cbelow mark and uncovered a direct buried communication line.
 Approximate Coordinates 37.6306576, -119.0796337

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	N/A	NW	Facing North West

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	16.20	NE	Edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	5.80	SW	Edge of asphalt

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
16	Comm	1	Direct Buried	2.79	NW-SE	North Bound Lane, At Station 727+73	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 17.1	Location East Bound Lane on Shoulder, At Station 721+23	

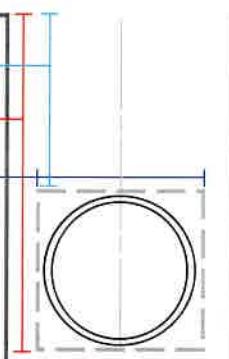
Surface Type: Profile View (not to scale)
 Thickness: (feet)

Measured Distance from Finished Surface

Notes:

Uncovered water line looking for electrical lines

Top: (feet)
 Bottom: (feet)
 Size: (in)
 Utility:
 Material:
 Direction:



PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	14.00	NE	Water valve

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	4.30	N	Edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	N/A	E	Facing East

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
17.1	Water	6	Polyethylene	4.65	E-W	East Bound Lane on Shoulder, At Station 721+23	Soil



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 17	Location East Bound Lane on Shoulder, At Station 721+23	

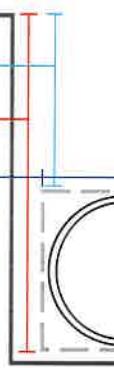
Surface Type: Soil

Profile View (not to scale)
Measured Distance from Finished Surface

Thickness: N/A (feet)

Notes:

Top: 4.31 (feet)



Bottom: 4.48 (feet)

Size: (2) 2 (in)

Utility: Electric

Material: Unknown

Direction: E-W

Lines found at same depth.
Exposed multiple utilities see pothole 17.1 for additional information.
Approximate Coordinates 37.6315530, -119.0809038

PHYSICAL SWING TIE INFORMATION			
No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	5.10	N	Edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	11.90	NE	Water valve

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	N/A	E	Facing East

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
17	Electric	(2) 2	Unknown	4.31	E-W	East Bound Lane on Shoulder, At Station 721+23	Soil



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

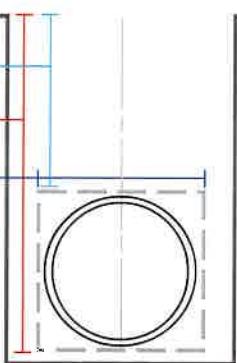
14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 18	Location East Bound Lane, At Station 721+23	

Surface Type: Asphalt Profile View (not to scale)
 Thickness: 0.60 (feet)

Notes:

Top: 0.70 (feet)
 Bottom: 0.87 (feet)
 Size: 2 (in)
 Utility: Unknown
 Material: Plastic
 Direction: E-W



Potholed next to trench and expose a possible water line per client asbuilds.
 Measurements taken from bottom of pipe
 Approximate Coordinates 37.6315530, -119.0809038

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	4.50	N	Edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	18.30	NE	Water valve

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	24.60	S	Edge of asphalt

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
18	Unknown	2	Plastic	0.70	E-W	East Bound Lane, At Station 721+23	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

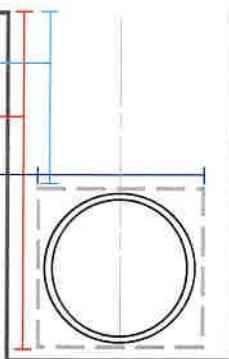
Technician Name Jacob Bankston	Date 10-21-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 19	Location West Bound Lane, At Station 721+23	

Surface Type: Asphalt Profile View (not to scale)
 Thickness: 0.60 (feet)

Measured Distance from Finished Surface

Notes:

Top: 1.88 (feet)
 Bottom: 1.96 (feet)
 Size: 1 (in)
 Utility: Comm
 Material: Unknown
 Direction: E-W



PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	38.80	N	Water valve

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	2.70	S	Edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	26.80	S	Edge of asphalt

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
19	Comm	1	Unknown	1.88	E-W	West Bound Lane, At Station 721+23	Asphalt



Photo 1



Photo 2

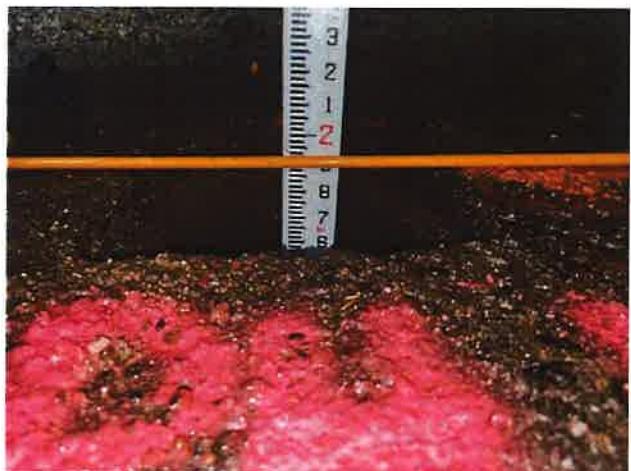


Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-22-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 20	Location North Bound Lane, At Station 705+60	

Surface Type: Asphalt	Profile View (not to scale)
Thickness: 0.60 (feet)	Measured Distance from Finished Surface
Top: 4.64 (feet)	
Bottom: 4.80 (feet)	
Size: (2) 2 (in)	
Utility: Unknown	
Material: Unknown	
Direction: N-S	

Notes:

Uncovered 2 possible electrical line on Cbelow mark located per power sweep.
 Potholed per client request on a power sweep due to no USA markings
 Approximate Coordinates 37.6355830, -119.0816186
 Both lines found at same depth

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	12.10	W	Edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	10.20	E	Edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	N/A	N	Facing North

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
20	Unknown	(2) 2	Unknown	4.64	N-S	North Bound Lane, At Station 705+60	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-22-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 21	Location South Bound on Miranet Summit Rd., At Station 705+60	

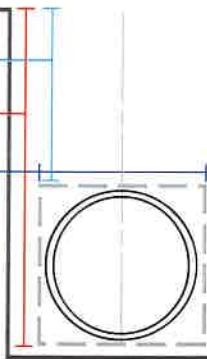
Surface Type: Asphalt

Profile View (not to scale)
Measured Distance from Finished Surface

Thickness: 0.60 (feet)

Notes:

Top: N/A (feet)



Bottom: 6.47 (feet)

Size: N/A (in)

Utility: Dry Hole

Material: N/A

Direction: N/A

Dry hole on pothole location marked out by client and cleared our 6.00 ft. stop depth, and undermined 2.00 ft. in each direction and did not encounter any utilities.

Approximate Coordinates 37.6355830, -119.0816186

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft.)	Dir.	From Permanent Existing Fixture
1	15.11	W	Edge of asphalt

No.	Distance (ft.)	Dir.	From Permanent Existing Fixture
2	6.70	E	Edge of asphalt

No.	Distance (ft.)	Dir.	From Permanent Existing Fixture
3	N/A	N	Facing North

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
21	Dry Hole	N/A	N/A	N/A	N/A	South Bound on Miranet Summit Rd., At Station 705+60	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

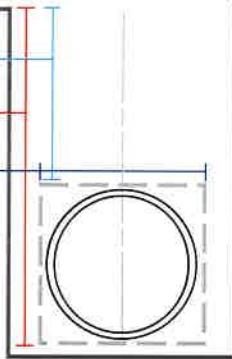
14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-22-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 22	Location South Bound on Miranet Summit Rd., At Station 705+60	

Surface Type: Asphalt Profile View (not to scale)
 Thickness: 0.60 (feet)

Measured Distance from Finished Surface

Top: 1.10 (feet)
 Bottom: 1.27 (feet)
 Size: 2 (in)
 Utility: Unknown
 Material: Plastic
 Direction: N-S



Notes:

Potholed next to trench for possible water line encased in concrete
 Depth recorded from bottom of pipe due to how shallow the line is did
 not want to risk damaging the line.
 Approximate Coordinates 37.6355830, -119.0816186

PHYSICAL SWING TIE INFORMATION											
No.	Distance (ft)	Dir.	From Permanent Existing Fixture								
1	18.30	W	Edge of asphalt								
2	4.40	E	Edge of asphalt								
LOCATION DETAIL											
<table border="1"> <thead> <tr> <th>No.</th> <th>Distance (ft)</th> <th>Dir.</th> <th>From Permanent Existing Fixture</th> </tr> </thead> <tbody> <tr> <td>3</td><td>N/A</td><td>N</td><td>Facing North</td></tr> </tbody> </table>				No.	Distance (ft)	Dir.	From Permanent Existing Fixture	3	N/A	N	Facing North
No.	Distance (ft)	Dir.	From Permanent Existing Fixture								
3	N/A	N	Facing North								



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
22	Unknown	2	Plastic	1.10	N-S	South Bound on Miranet Summit Rd., At Station 705+60	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:





POTHOLING DATA SHEET

14280 EUCLID AVE., CHINO, CA 91710
 OFFICE: (888) 902-3569
 FAX: (909) 606-6555

Technician Name Jacob Bankston	Date 10-22-2021	C Below Project No. 21-4098
Project Name 21-4098 148028138 CFL TO F073 Red Meadows	Project Address Postpile Rd to Minaret Summit Rd to Reds Circle Inyo National Forest, CA	
Client Company Jacobs Orange County	Contact Loree Czarnecki Macedo	
Pothole No. 23	Location South West Bound on Miranet Summit Rd., At Station 704+00	

Surface Type Asphalt	Profile View (not to scale)
Thickness: 0.60 (feet)	Measured Distance from Finished Surface
Top: 3.23 (feet)	
Bottom: 3.39 (feet)	
Size: (3) 2 (in)	
Utility: Unknown	
Material: Unknown	
Direction: NE-SW	

Notes:

Uncovered possible electrical line in pothole while opened a satellite hole to get top dead center of lines.
 Line was found at same depth.
 Exposed multiple utilities see pothole 23.1 for additional information.
 Approximate Coordinates 37.6357165, -119.0814010

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	16.30	S	communications Pedisite

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
2	3.50	SE	edge of asphalt

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
3	19.00	NW	edge of asphalt

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
23	Unknown	(3) 2	Unknown	3.23	NE-SW	South West Bound on Miranet Summit Rd., At Station 704+00	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:

