

APPENDIX C

Potholing Report (For Reference Only)

[PAGE LEFT INTENTIONALLY BLANK]


Eastern Municipal Water District
Brine Pipeline IMP Project
Subsurface Utility Report

May 27, 2020



UNDERGROUND SOLUTIONS





May 27, 2020

Mr. Cameron Valenzuela, Facilities Locations Manager
Eastern Municipal Water District
P.O. Box 83002270
Trumble Road
Perris, CA 92572-8300

Dear Mr. Valenzuela:

I would like to take this opportunity to personally thank you for putting your trust in Underground Solutions, Inc. to perform the utility locating on this project. Over the last 17 years USI has prided itself on being the potholing company of choice of our clients, we have a 99% repeat customer base. Your opinion matters to us. We welcome any comments or suggestions that will help us improve our service and keep you coming back.

The following proprietary report details our findings for the pothole locations identified by your company, complete with photographs of individual utilities found during our investigation. Underground Solutions' mission statement has never changed; we strive to provide the most professional and accurate state-of-the-art service. This is achieved by our top of the line equipment and professional field team.

Once again, thank you for this opportunity and we look forward to a continued working relationship with you and your firm!

Sincerely,

Michael E Arme
President
Underground Solutions, Inc.



Your First Choice For Potholing Services

120 N. Andreasen Dr., Escondido, CA 92029 Ph# 760/ 294-9449 Fax# 760/ 294-9490



Table of Contents

- Pothole Summary Sheet(s)
- Area Map(s) / Pothole Exhibit
- Pothole Report
- Data and Photo Logs
- Traffic Control Plans (if applicable)
- Picture Thumbnails
- Legends



POTHOLE SUMMARY SHEET(S)



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Pothole Summary Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
584.1		Dry Hole	0.00	0.00		N/A		Unknown
584.2		RW	19.78	0.00	54"	UNK	3.60 ft W of curb face, 30.80 ft E of curb face, 38.60 ft SE of STLT box	E/W
584.3		W	4.67	6.67	24"	PVC	7.60 ft W of curb face, 26.80 ft E of curb face, 43.20 ft NE of STLT	N/S
584.5		W	5.19	6.23	12"	CONC	7.00 ft E of curb face, 30.60 ft NE of STLT, 180.60 ft SE of hydrant	N/S
592.1		BL	5.37	7.94	30"	CONC	3.40 ft W of curb face, 48.80 ft NE of STLT, 25.00 ft SE of SD/MH	N/S
592.1		BL	4.18	0.00	30"	CONC	3.60 ft W of curb face, 27.60 ft SE of IRR valve, 40.20 ft NE of STLT	N/S
592.2		RW	5.63	10.14	54"	CONC	8.60 ft W of curb face, 26.00 ft S of SD/MH, 44.20 ft NE of STLT	N/S
592.3		RW	1.38	2.36	2", 3"	PVC	21.20 ft W of curb face, 27.40 ft S of SD/MH, 45.00 ft N of STLT	N/S
592.4		W	4.42	6.47	24"	PVC	6.80 ft E of curb face, 28.40 ft SE of SD/MH, 45.60 ft NE of STLT	N/S
600.1		BL	4.57	7.16	30"	CONC	5.40 ft W of curb face, 20.60 ft NE of STLT, 18.20 ft S of IRR valve	N/S
600.2		RW	4.54	7.25	30"	CONC	12.60 ft SW of curb face, 15.80 ft N of STLT, 19.60 ft S of RW box	N/S
600.3		W	4.42	6.50	24"	CONC	6.60 ft E of curb face, 18.20 ft SE of IRR valve, 32.00 ft NE of STLT	NE/SW
622.1		BL	8.87	11.36	30"	CONC	21.60 ft S of curb face, 15.60 ft N of hydrant, 35.00 ft SW of S/MH	E/W
622.2		RW	8.91	13.40	56"	CONC	16.00 ft S of curb face, 21.60 ft N of hydrant, 37.80 ft SW of S/MH	E/W
622.3		W	4.90	5.57	8"	PVC	13.60 ft N of curb face, 17.80 ft NE of hydrant, 28.40 ft SW of S/MH	N/S
622.4		W	4.55	5.25	8"	PVC	4.60 ft N of curb face, 44.00 ft SW of S/MH, 11.20 ft W of W/valve	E/W
631.1		BL	11.71	14.24	30"	CONC	11.00 ft SW of curb face, 26.60 ft NE of W/valve, 56.60 ft N of SD/MH	E/W
631.2		RW	12.17	17.70	54"	CONC	7.00 ft SW of curb face, 27.80 ft NE of W/valve, 63.00 ft N of SD/MH	E/W
631.4		SWR	11.16	11.72	8"	PVC	15.20 ft W of curb face, 21.20 ft SE of W/valve, 37.60 ft N of SD/MH	E/W

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
646.1		BL	11.00	0.00	30"	CONC	2.00 ft N of curb face, 57.60 ft W of STLT, 23.20 ft SE of E/MH	E/W
646.10		RW	4.44	6.00	18"	PVC	90.00 ft N of SD, 19.00 ft NE of RW valve, 45.00 ft NE of RW valve	NE/SW
646.2		RW	8.72	0.00	54"	ACP	8.40 ft N of curb face, 59.00 ft W of STLT, 16.60 ft E of Edison vault	E/W
646.3		W	5.88	7.62	18"	PVC	15.60 ft S of curb face, 21.20 ft W of W/valve, 36.00 ft SE of E/vault	E/W
646.4		G	4.14	4.94	8"	PVC	5.80 ft N of curb face, 59.00 ft W of STLT, 18.20 ft E of Edison vault	E/W
646.5		E	4.90	5.88	2" (6 ea)	PVC	12.40 ft N of curb face, 59.00 ft W of STLT, 16.00 ft E of Edison vault	E/W
646.8		BL	9.86	0.00	30"	UNK	90.00 ft N of SD, 20.80 ft NE of RW valve, 44.60 ft NE of RW valve	NE/SW
646.9		RW	10.72	0.00	54"	CONC	90.00 ft N of SD, 25.00 ft NE of RW valve, 46.30 ft NE of RW valve	NE/SW
676.1		BL	0.00	0.00	30"	CONC	14.20 ft N of fence, 29.00 ft S of RW valve, 79.00 ft E of RW valve	NE/SW
676.2		RW	5.71	10.22	54"	CONC	6.40 ft N of fence, 33.60 ft S of RW valve, 75.40 ft E of RW valve	NE/SW
676.3		SD	2.18	5.20	36"	CSP	8.20 ft N of fence, 21.40 ft S of RW valve, 99.80 ft E of RW valve	N/S
688.1		BL	3.12	5.14	24"	CONC	7.60 ft N of fence, 135.00 ft NE of S/MH, 38.20 ft SW of C5 valve	NE/SW
688.2		RW	5.38	9.80	54"	CONC	34.00 ft N of fence, 142.00 ft NE of S/MH, 26.40 ft SW of C5 valve	NE/SW
688.3		Dry Hole	0.00	0.00		N/A		Unknown
688.4		E	3.14	3.87	6" (2ea)	PVC	13.60 ft N of fence, 135.00 ft NE of S/MH, 34.80 ft SW of C5 valve	NE/SW
688.6		Dry Hole	0.00	0.00		N/A		Unknown
695.1		BL	9.62	11.70	24"	PVC	18.40 ft S of curb face, 11.20 ft SE of RW valve, 68.00 ft E of vault	E/W
696.1		BL	8.69	10.76	24"	PVC	11.40 ft SW of S/MH, 57.80 ft E of W/valve, 22.80 ft N of Salt Creek Bank	E/W
696.2 (Dip)		SWR	21.93	23.45	18"	UNK	2.00 ft E of S/MH	E/W
703.1		BL	2.92	4.98	24"	PVC	21.40 ft S of rence, 24.40 ft SW of raw water valve, 8.80 ft W of brine valve	E/W
703.2		BL	2.62	4.70	24"	See Comment	11.00 ft E of non rec waste valve, 3.60 ft S of Non rec waste valve, 9.20 ft SE of W/valve	E/W
703.3		RW	7.78	0.00	30"	CONC	15.40 ft S of EMWD fence, 32.40 ft NW of non RW valve, 36.80 ft SW of raw water valve	E/W

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
703.4		See Comment	6.14	8.20	24"	PVC	21.00 ft NW of W/valve, 10.40 ft W of raw water valve, 19.80 ft N of non rec waste valve	E/W
703.5		RW	5.30	9.84	54"	CONC	11.00 ft S of fence, 12.80 ft SW of raw water valve, 13.80 ft NW of brine line	E/W
MWPH 1		BL	8.88	0.00	30"	CONC	7.40 ft N of curb face, 27.60 ft SW of S/MH	E/W



AREA MAP(S) / POTHOLE EXHIBIT



Las Flores Dr
Sunset Vista Ave
Springbrook Way
Honeyrun Rd
Valley Blvd
Butterwood Dr
Country Fair Dr
Calano Rd
Luxor Rd
Baley Peak Dr
Squaw Valley Dr
McGalliard Rd
Dunkirk St
Greenhill Dr
Camryn Rd
Mt. Bachelor Way
Lazy Creek Rd
Killington Dr
Edina Rd
Grimm Ct
Pelion Rd
Avida Dr
Dorval Ct
Morning Breeze Dr
Normandy Rd
Lone Acres Rd
Derby Hill Dr
Wagon Trail Ln
Rattle Dance Way
High Plains Ct
Stage Coach Rd
Backboard Ln
Boulder Ridge Way
La Piedra Rd
Murieta Rd
Bauman Ln
San Quintin Rd
Coez Rd
Newport Rd
Railroad Canyon Rd
Cruise Cir Dr
Big River Dr
S Fork Dr
Little Harbor Dr
White Wake Dr
Skippers Way Dr
Outrigger Dr
Ketch Dr
Platino Dr
Juarita Dr
Vista Way
Cheryl Dr
Beverly Dr
Concepcion

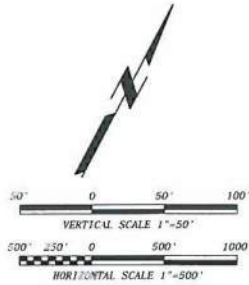
Google Earth

33°41'11.98" N 117°13'21.93" W elev 1419 ft eye alt 13008 ft

© 2020 Google

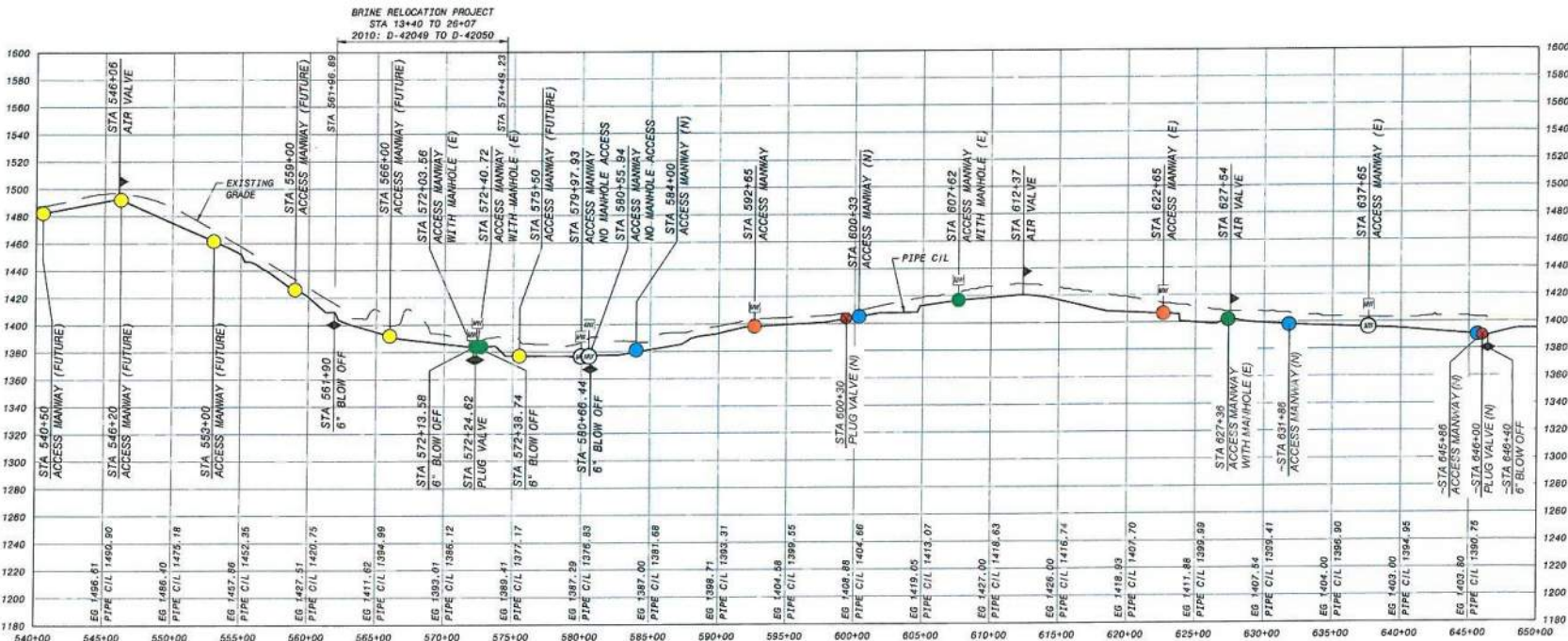
2002

Improvement
Locations to be
Potholed - Key
Map



NOTE:
1. GROUND ELEVATIONS BASED ON REACH 4
PIPELINE PROJECTS (1994).

- LEGEND:
- EXISTING MANWAY (NO PROPOSED MODIFICATION)
 - EXISTING AIR RELEASE VALVES
 - EXISTING ISOLATION VALVE
 - EXISTING BLOWOFF VALVES
 - EXISTING MANWAY AND MANHOLE
 - EXISTING MANWAY WITH PROPOSED MANHOLE
 - PROPOSED MANWAY WITH MANHOLE
 - PROPOSED MANWAY EXTENDED 150'-E BLOW
 - POTENTIAL FUTURE MANWAY LOCATION (800-FT SPACING)
 - PROPOSED LINE VALVE (PLUG VALVE)
 - 30" BRINE LINE / 54" RECYCLED LINE
 - PROPOSED 30" BL AND 54" RW INTERCONNECTION
 - PROPOSED ACCESS ROAD
 - AREA WITH NO EXISTING MANWAYS



BV PROJECT NO. 403667



REVISIONS				
NO.	DATE	INITIAL	DESCRIPTION	APP'D

APPROVED BY:

APPROVALS

DATE	BY	FOR

EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA
BRINE PIPELINE ACCESS IMPROVEMENTS

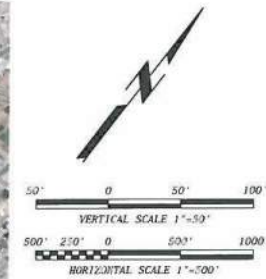
CIVIL

SPEC NO. XXXXS

DESIGNED	JC/AB
DRAWN	TL
CHECKED	N/A
SUBMITTED	JC
SCALE:	AS SHOWN

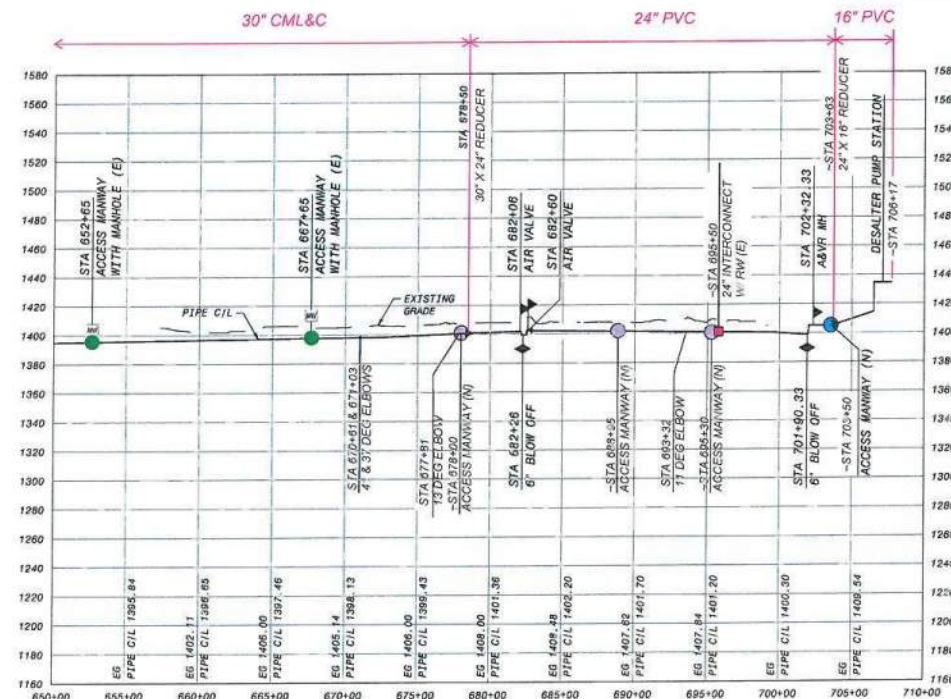
FIGURE 2

Improvement Locations to be Potholed - Key Map



NOTE:
1. GROUND ELEVATIONS BASED ON REACH 4 PIPELINE PROJECTS (1994).

- LEGEND:
- EXISTING MANWAY (NO PROPOSED MODIFICATION)
 - EXISTING AIR RELEASE VALVES
 - EXISTING ISOLATION VALVES
 - EXISTING BLOWOFF VALVES
 - EXISTING MANWAY AND MANHOLE
 - EXISTING MANWAY WITH PROPOSED MANHOLE
 - PROPOSED MANWAY WITH MANHOLE
 - PROPOSED MANWAY EXISTING ABOVE GRADE
 - POTENTIAL FUTURE MANWAY LOCATION (800-FT SPACING)
 - PROPOSED LINE VALVE (PLUG VALVE)
 - 30" BRINE LINE / 54" RECYCLED LINE
 - PROPOSED 30" BL AND 54" RW INTERCONNECTION
 - PROPOSED ACCESS ROAD
 - AREA WITH NO EXISTING MANWAYS



BY PROJECT NO. 403667



REVISIONS				
NO.	DATE	REVISION	APP'D.	DATE

APPROVED BY:

APPROVALS

DESIGNED	DATE
DRAWN	DATE
CHECKED	DATE
APPROVED	DATE

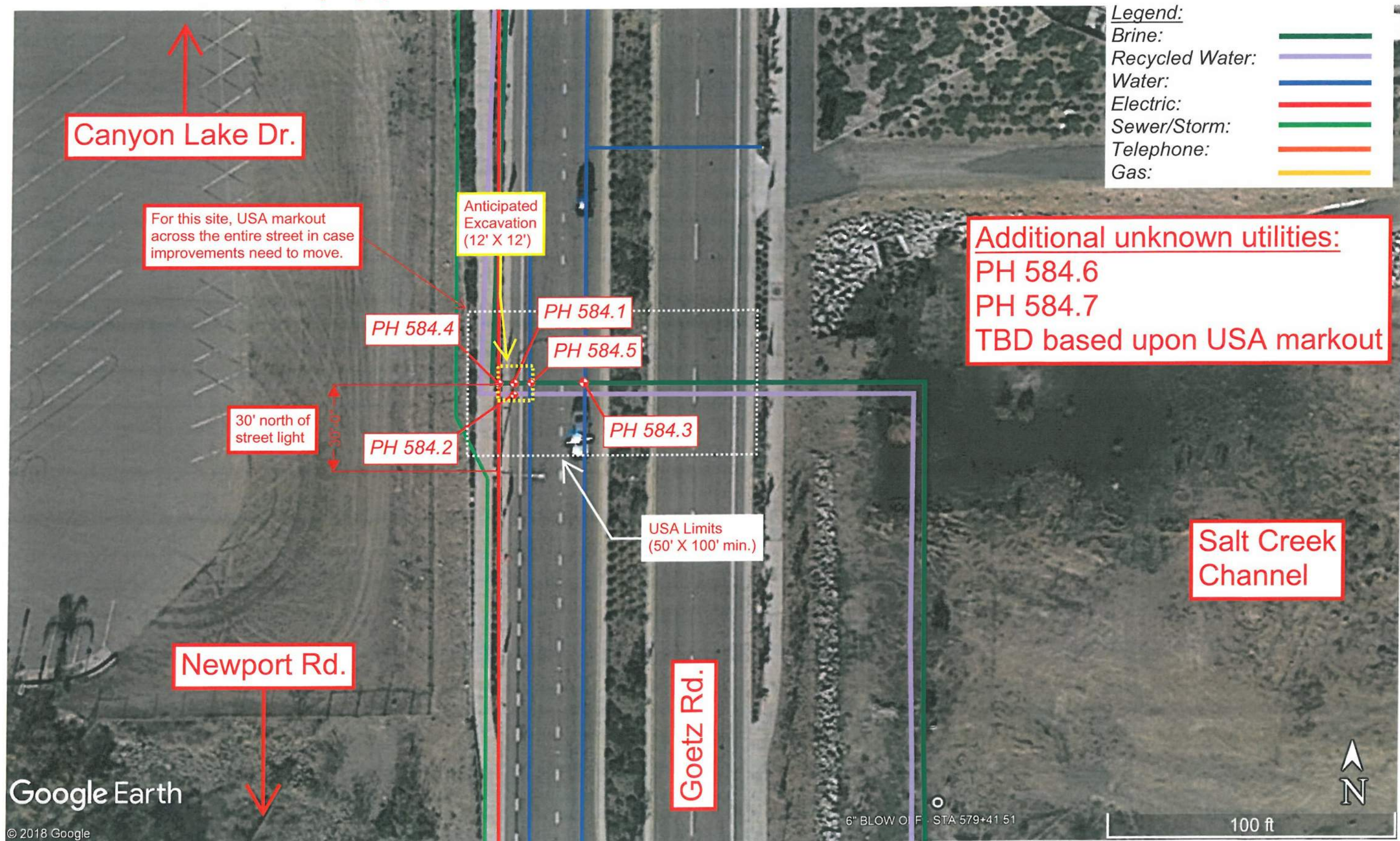
SCALE: AS SHOWN

EASTERN MUNICIPAL WATER DISTRICT
RIVERSIDE COUNTY, CALIFORNIA
BRINE PIPELINE ACCESS IMPROVEMENTS
CIVIL

SPEC NO. XXXX
1B
S.A.
V.O.
C.O.
COORD.
SHT. OF
D-XXXX
FIGURE 1

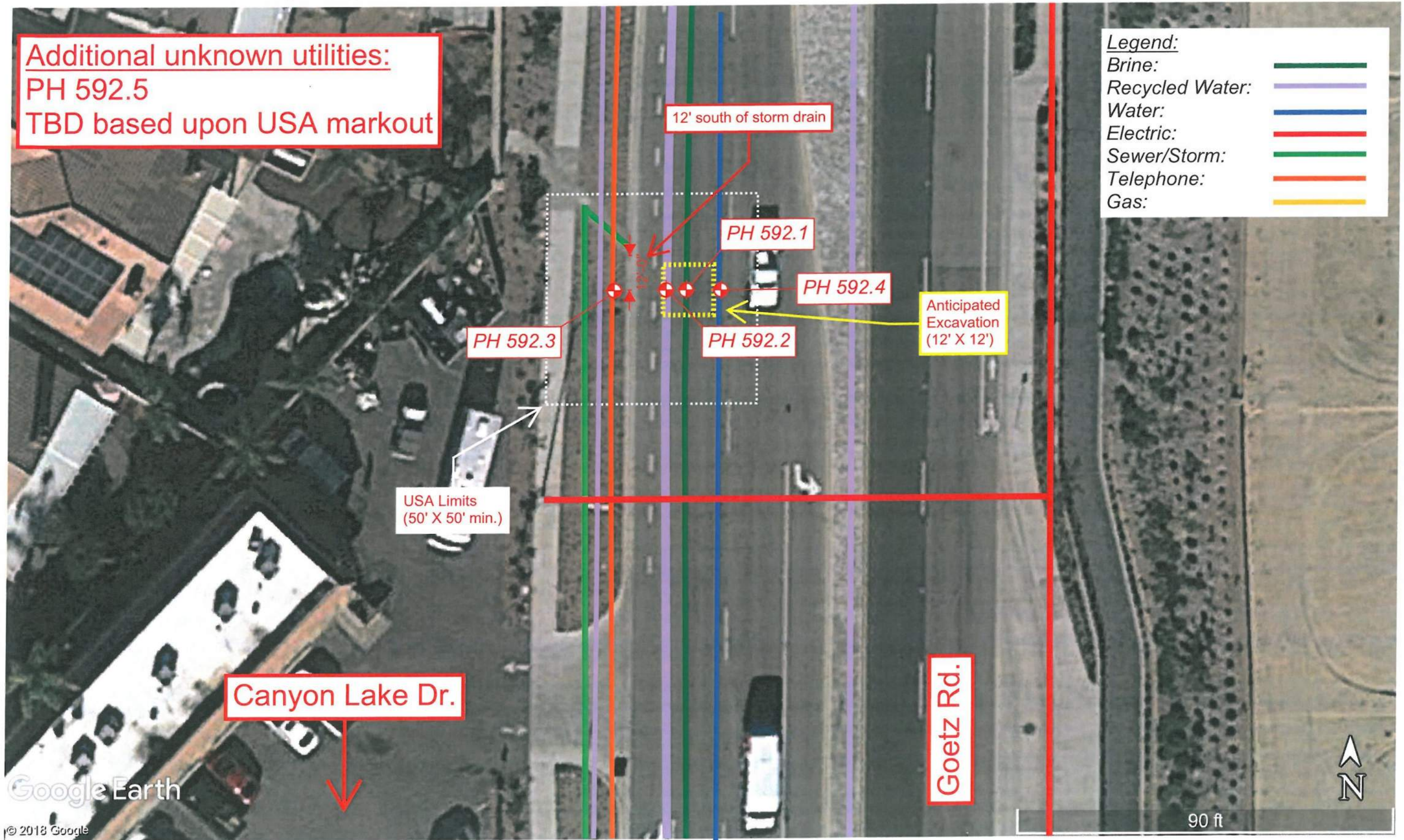
Pothole Site 584

(Approx. 500 ft north of Newport Rd.)



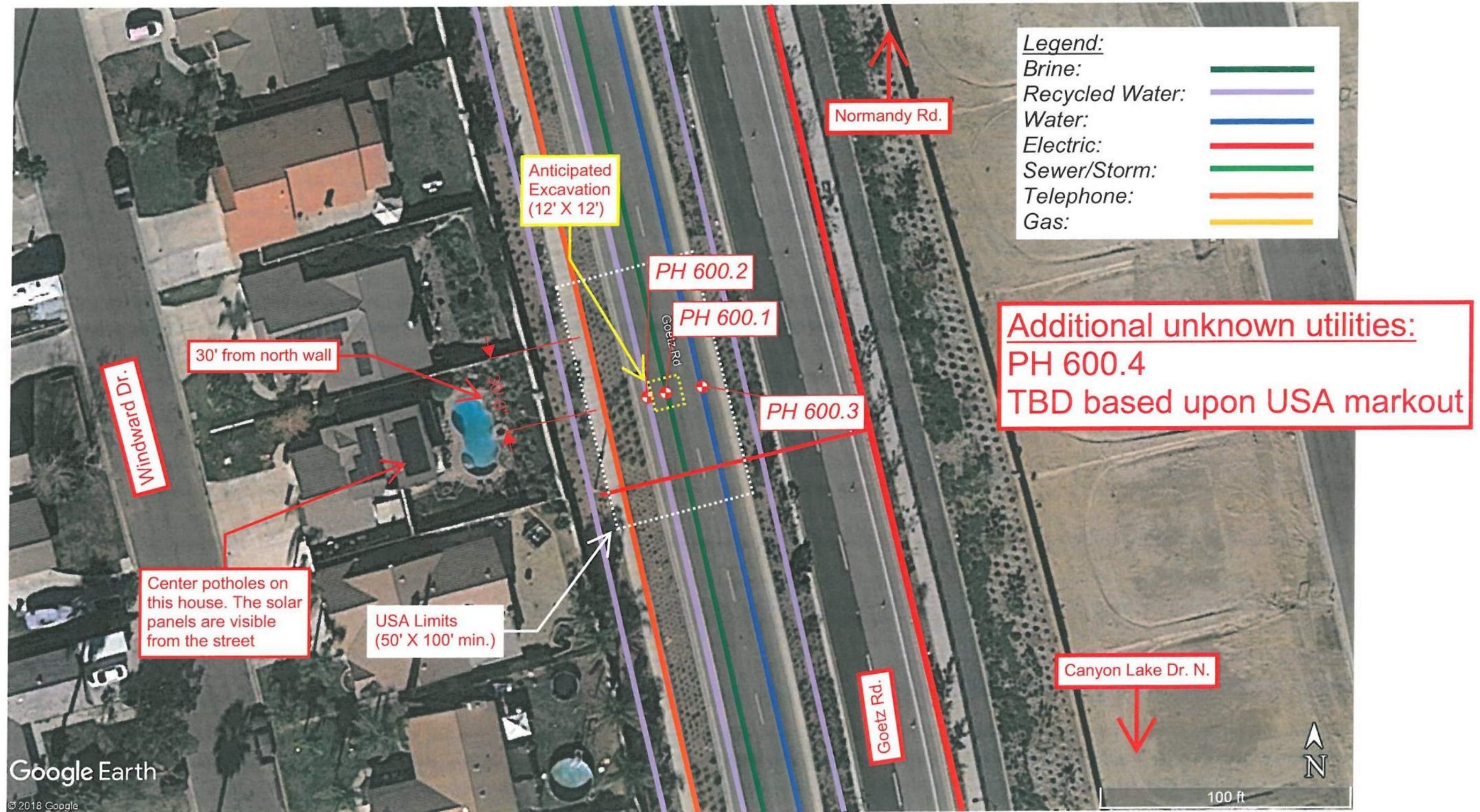
Pothole Site 592

(Approx. 275-ft north of Canyon Lake Dr. N)

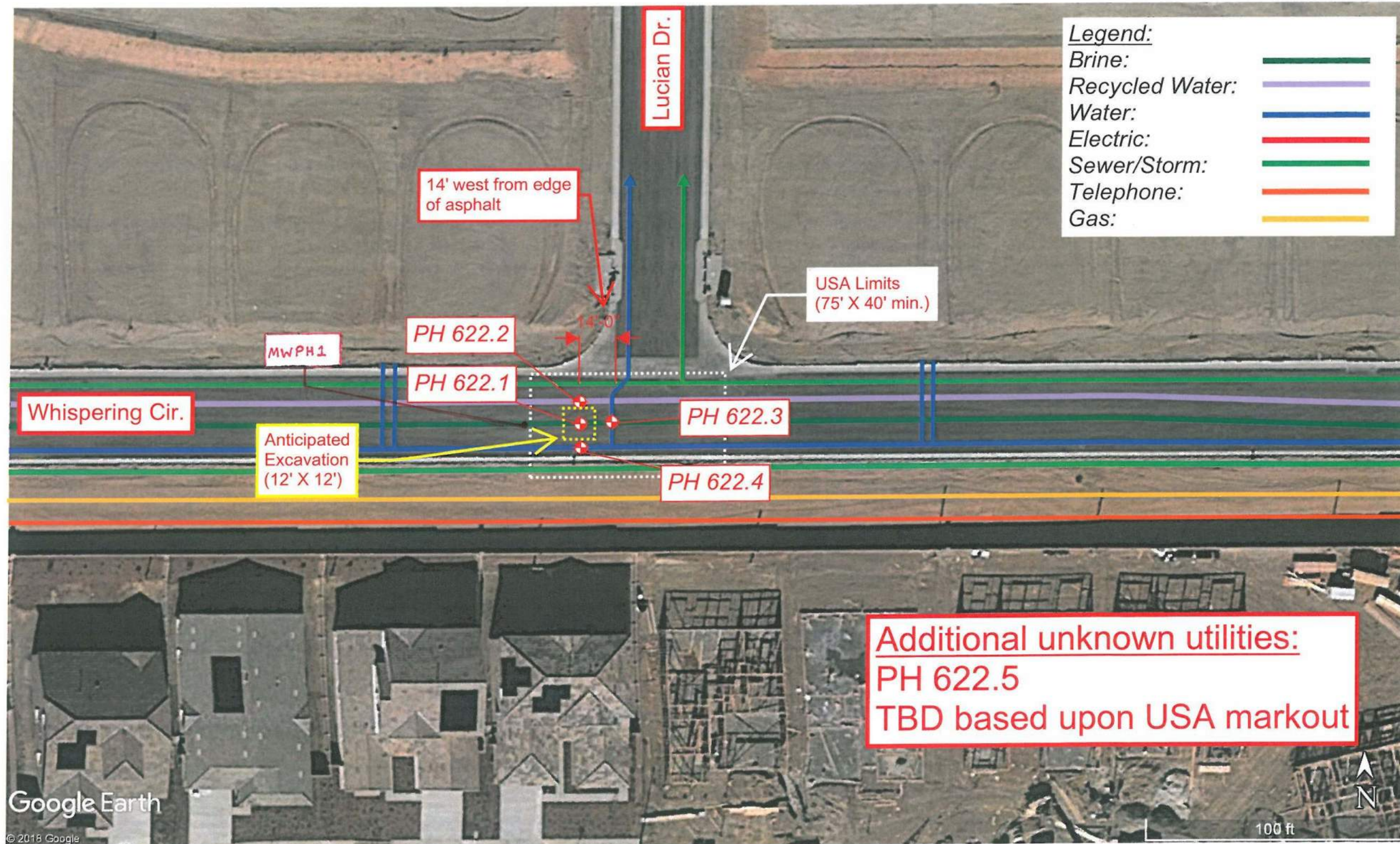


Pothole Site 600

(Approx. 1000-ft north of Canyon Lake Dr. N.)

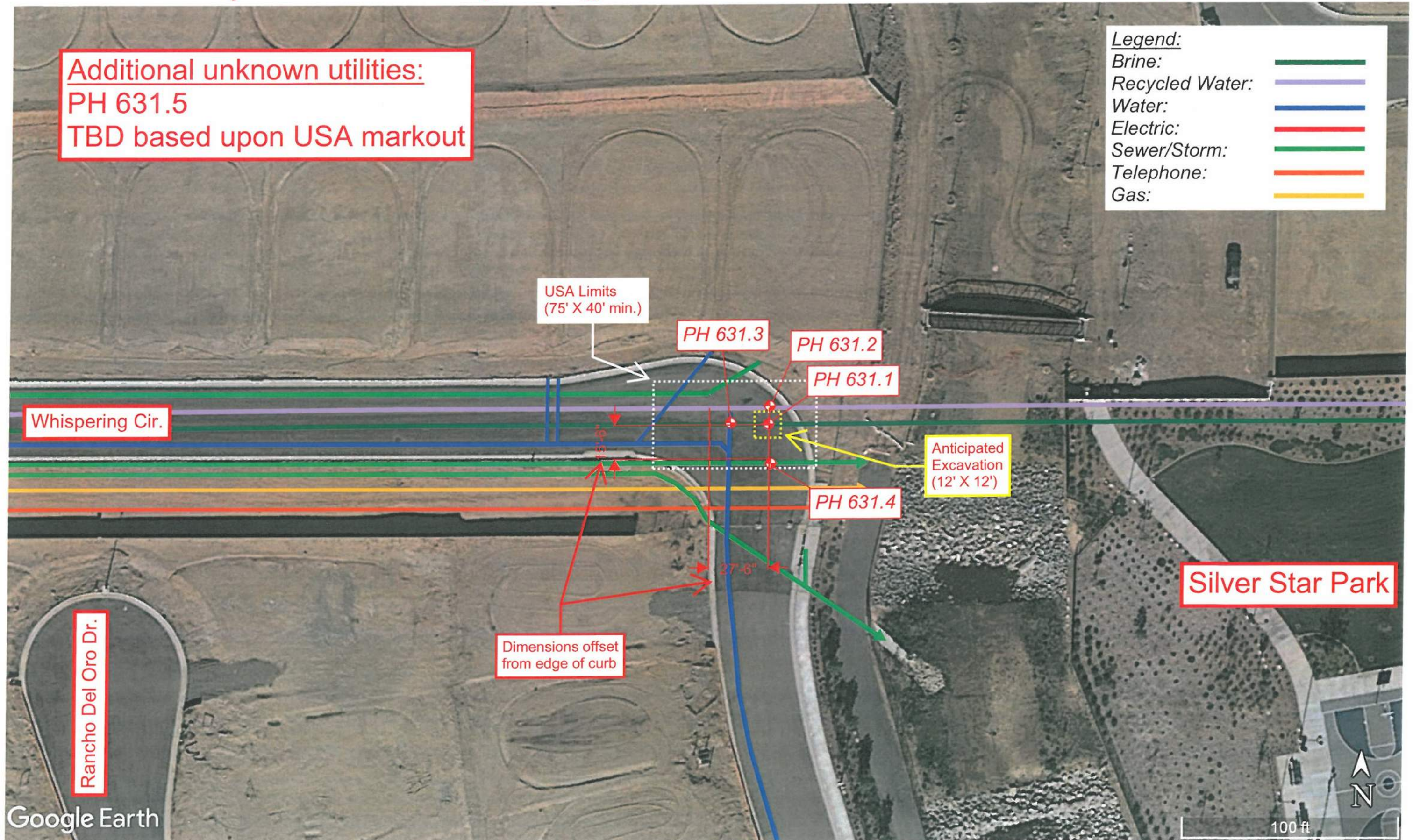


Pothole Site 622 (Lucian Dr. and Whispering Cir.)



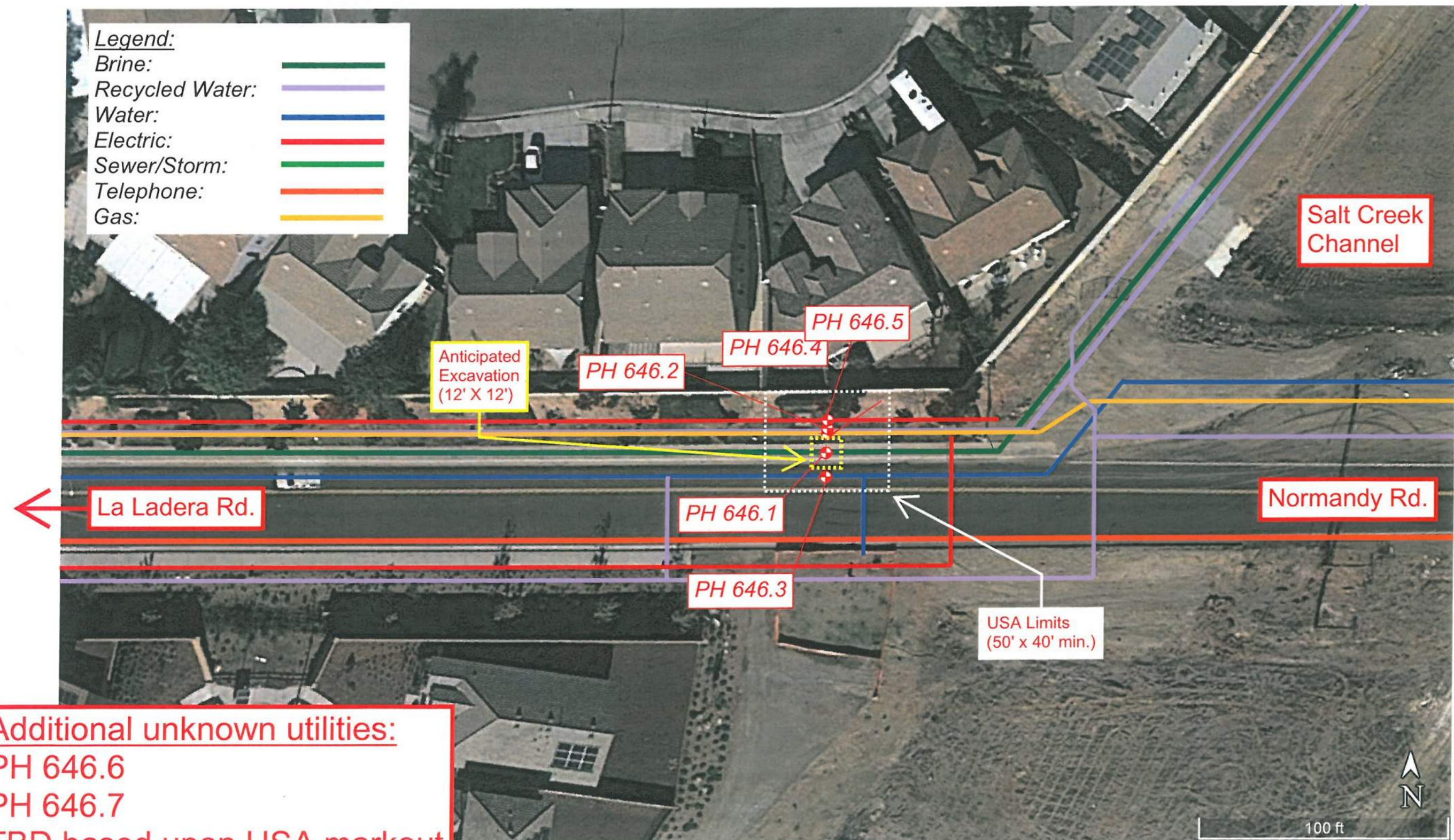
Pothole Site 631

(East of Whispering Cir. and Rancho Del Oro Dr.)



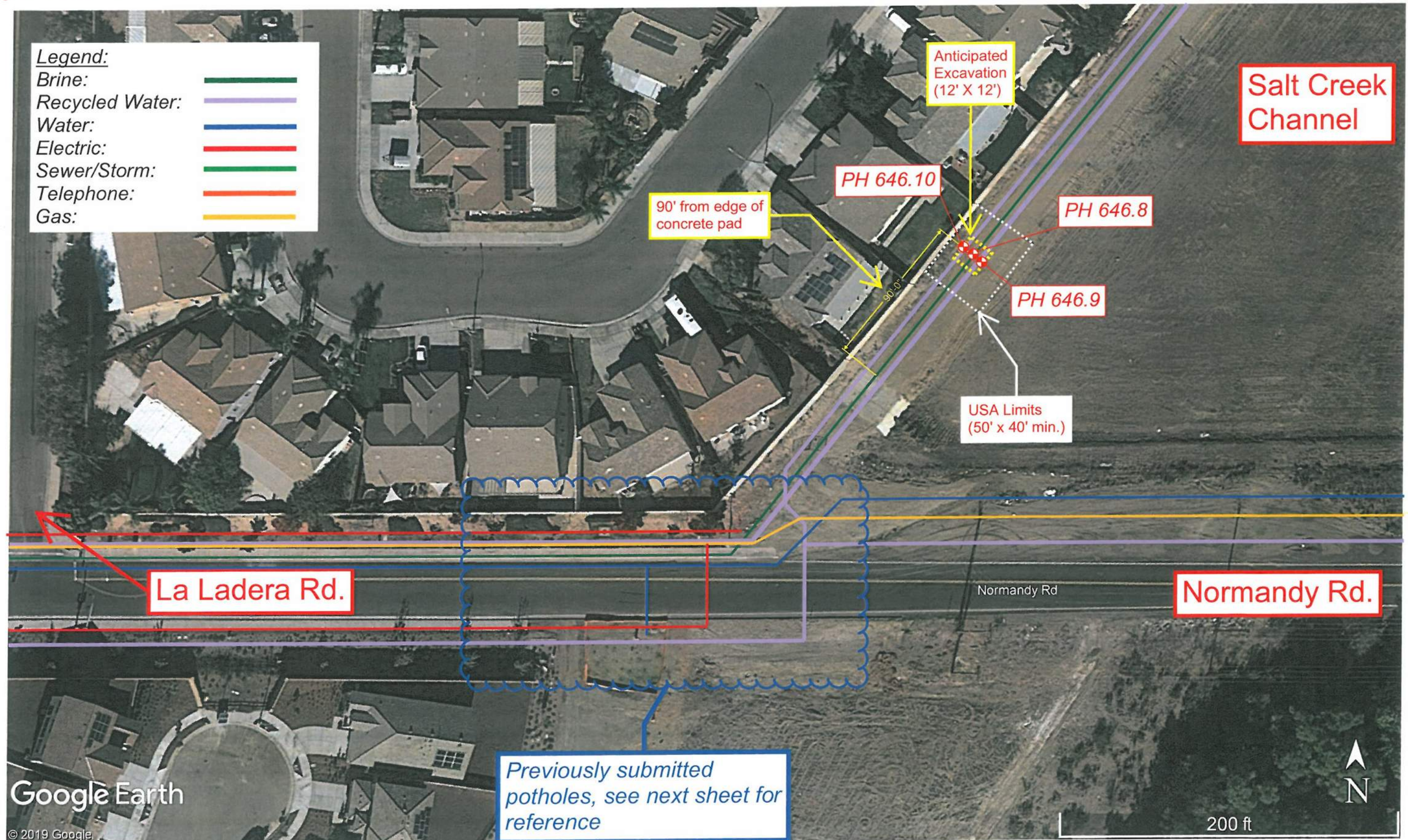
Pothole Site 646

(Salt Creek Channel on Normandy Rd., ~420-ft East of La Ladera Rd.)

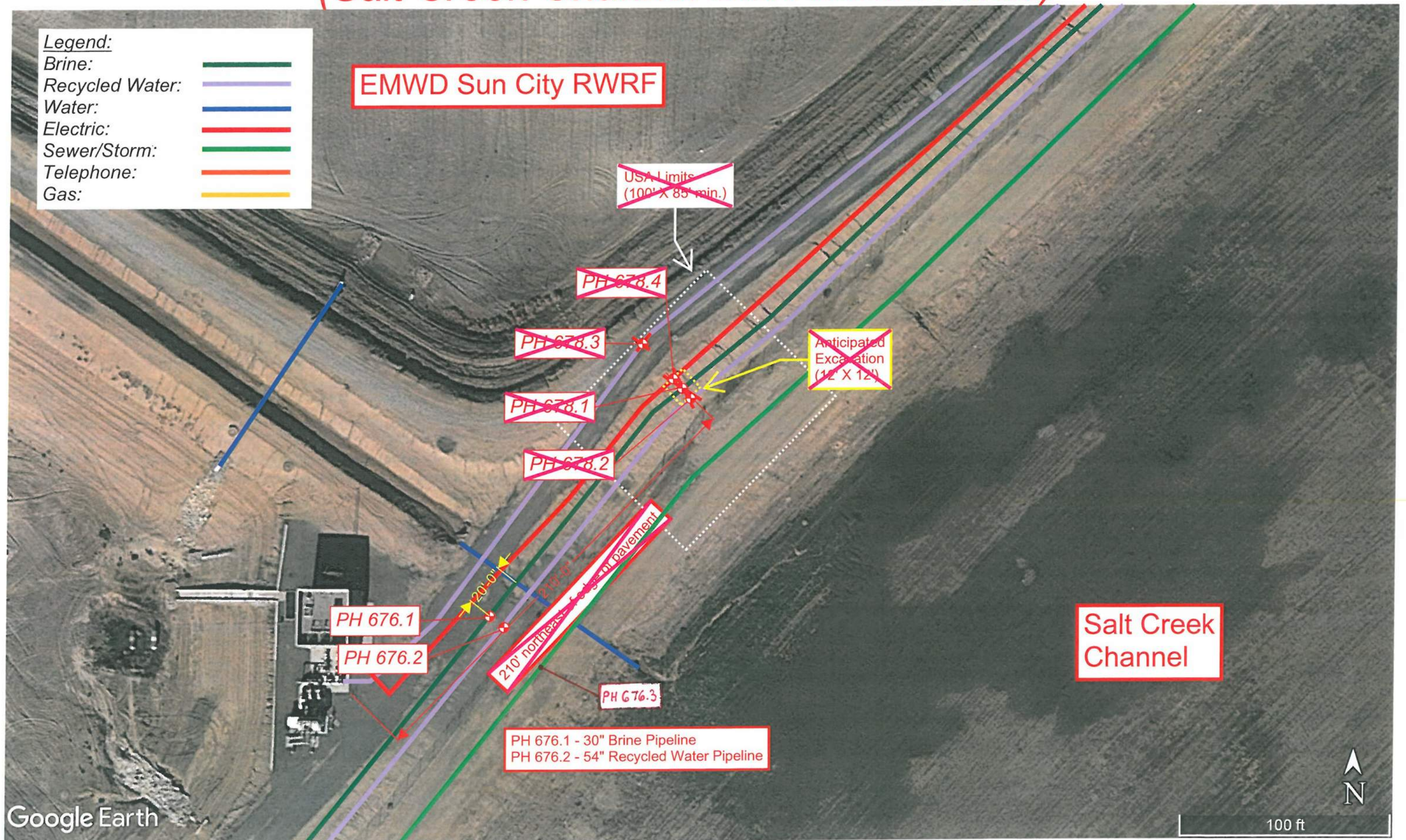


Additional Potholes Site 646

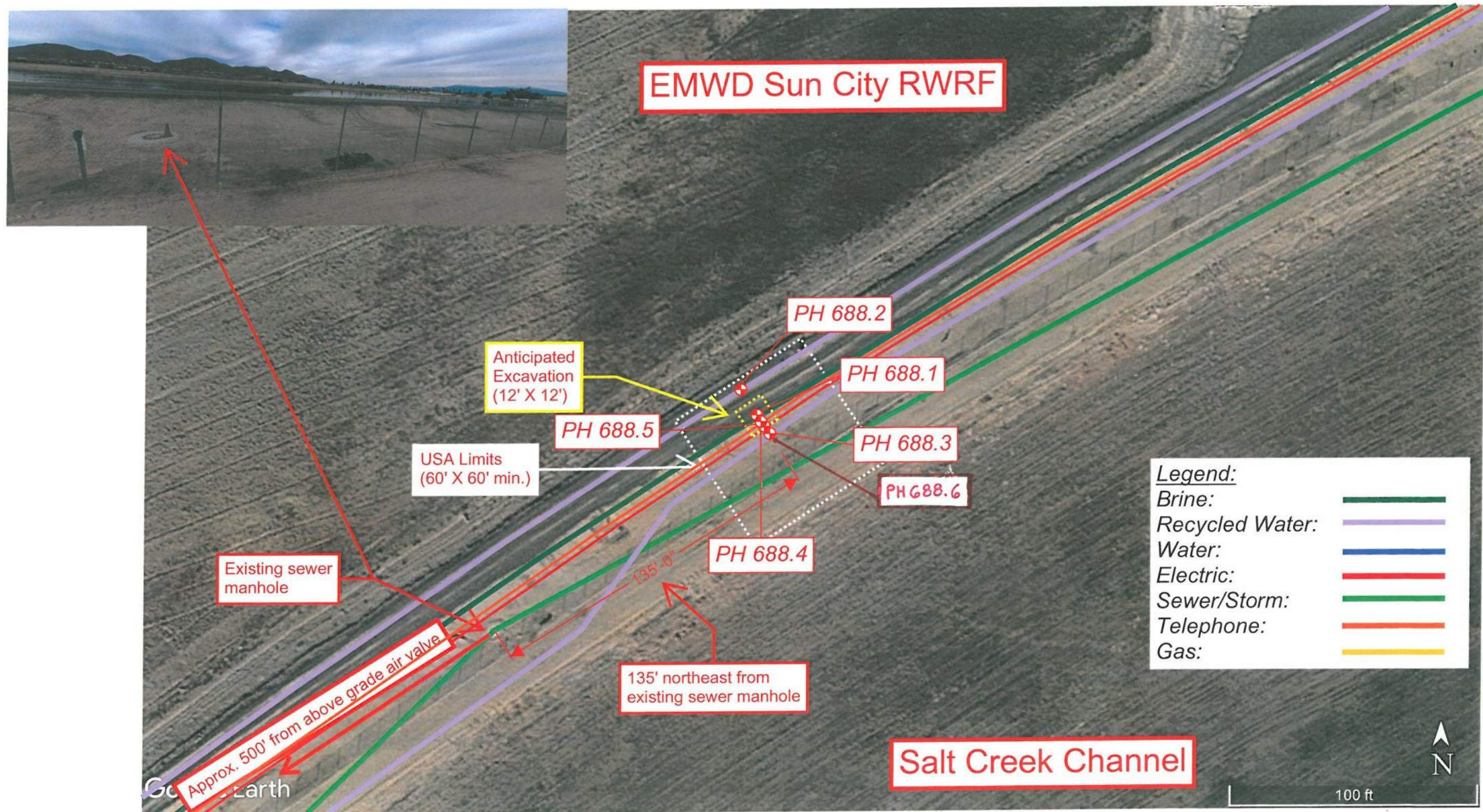
(Salt Creek Channel on Normandy Rd., ~420-ft East of La Ladera Rd.)



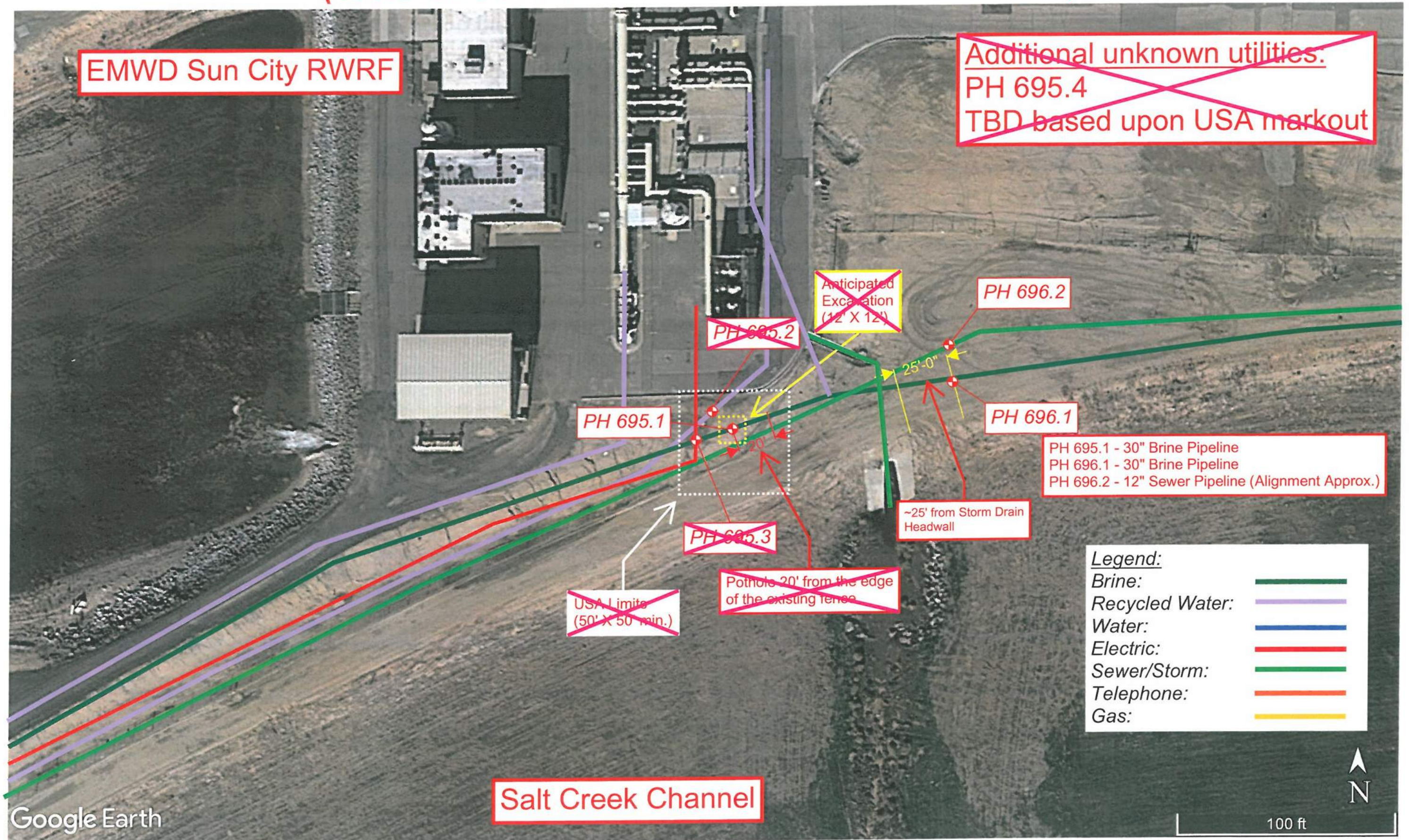
Pothole Site ~~678~~ 676 (Salt Creek Channel Dirt Access Road)



Pothole Site 688 (Salt Creek Channel Dirt Access Road)



Pothole Site ~~695~~ 696 (Salt Creek Channel Dirt Access Road)



Pothole Site 703

(Salt Creek Channel Dirt Access Road at Desalter Facility)



Additional unknown utilities:
PH 703.6
TBD based upon USA markout



POTHOLE REPORT



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
584.1		Dry Hole	0.00	0.00		N/A		Unknown

Comments	Cleared to 17ft, probed to 18 ft., no utilities found. PH located 4.40 ft E of curb face, 29.20 ft W of curb face, 33.60 ft N of STLT				
<u>Operator:</u>	Iokia III, Samuel	<u>Technician:</u>	Garcia, Jose Luis	<u>Vehicle:</u>	USI 2
<u>Field Log #:</u>	16107	<u>Log Date:</u>	03/03/2020	<u>Soil Type:</u>	DG
<u>Asphalt Depth:</u>	0.50	<u>Concrete Depth:</u>	0	<u>Marker:</u>	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 584.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

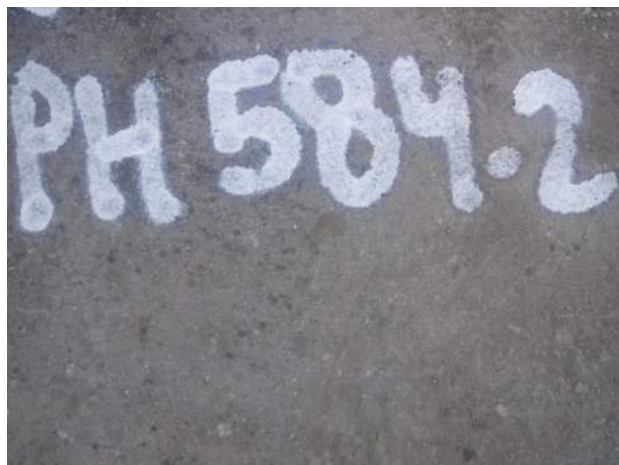
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
584.2		RW	19.78	0.00	54"	UNK	3.60 ft W of curb face, 30.80 ft E of curb face, 38.60 ft SE of STLT box	E/W

Comments	Unable to expose pipe due to gravel collapsing.				
Operator:	Iokia III, Samuel	Technician:	Evans, Dakota	Vehicle:	USI 2
Field Log #:	15978	Log Date:	03/17/2020	Soil Type:	DG
Asphalt Depth:	0.40	Concrete Depth:	0	Marker:	PK Nail

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 584.2

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
584.3		W	4.67	6.67	24"	PVC	7.60 ft W of curb face, 26.80 ft E of curb face, 43.20 ft NE of STLT	N/S

Comments					
Operator:	Iokia III, Samuel	Technician:	Evans, Dakota	Vehicle:	USI 2
Field Log #:	15979	Log Date:	03/18/2020	Soil Type:	DG
Asphalt Depth:	0.40	Concrete Depth:	0	Marker:	PK Nail

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 584.3

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

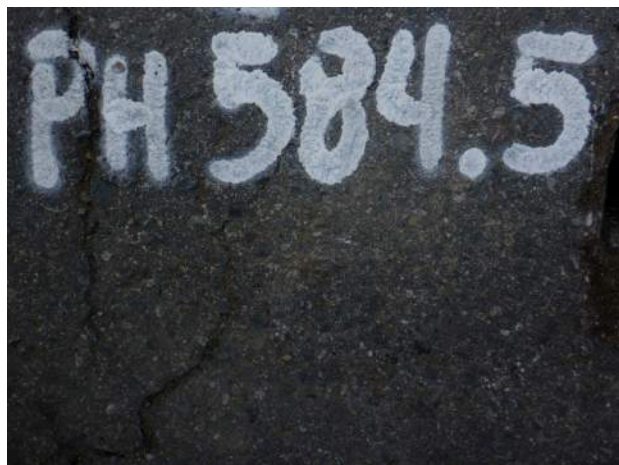
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
584.5		W	5.19	6.23	12"	CONC	7.00 ft E of curb face, 30.60 ft NE of STLT, 180.60 ft SE of hydrant	N/S

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 5
Field Log #:	16101	Log Date:	02/21/2020	Soil Type:	Clay
Asphalt Depth:	7	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 584.5

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
 120 N. Andreasen Dr. Escondido, CA 92029
 (760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

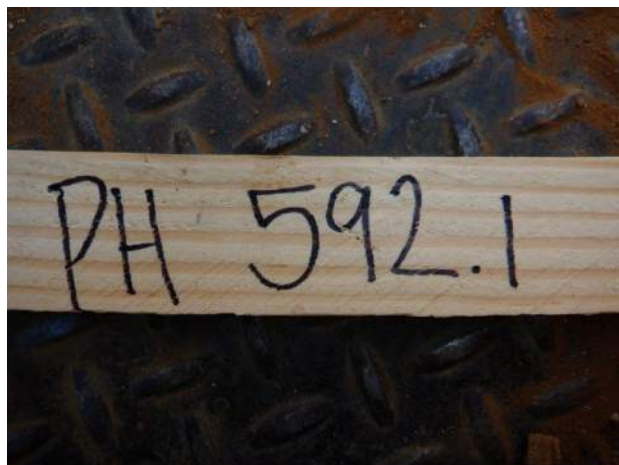
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
592.1		BL	5.37	7.94	30"	CONC	3.40 ft W of curb face, 48.80 ft NE of STLT, 25.00 ft SE of SD/MH	N/S

Comments	Probed to find edges				
<u>Operator:</u>	Greulich, William	<u>Technician:</u>	Garcia, Jose Luis	<u>Vehicle:</u>	USI 5
<u>Field Log #:</u>	16101	<u>Log Date:</u>	02/21/2020	<u>Soil Type:</u>	DG
<u>Asphalt Depth:</u>	0	<u>Concrete Depth:</u>	0	<u>Marker:</u>	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 592.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

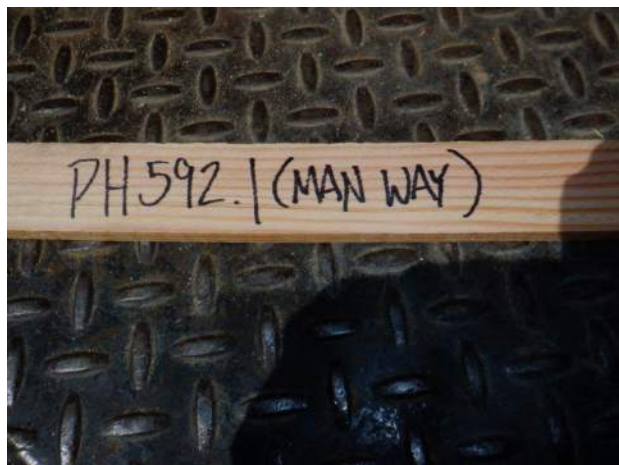
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
592.1		BL	4.18	0.00	30"	CONC	3.60 ft W of curb face, 27.60 ft SE of IRR valve, 40.20 ft NE of STLT	N/S

Comments					
Operator:	Greulich, William	Technician:	Gomez, Gregorio	Vehicle:	USI 5
Field Log #:	16148	Log Date:	05/06/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 592.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

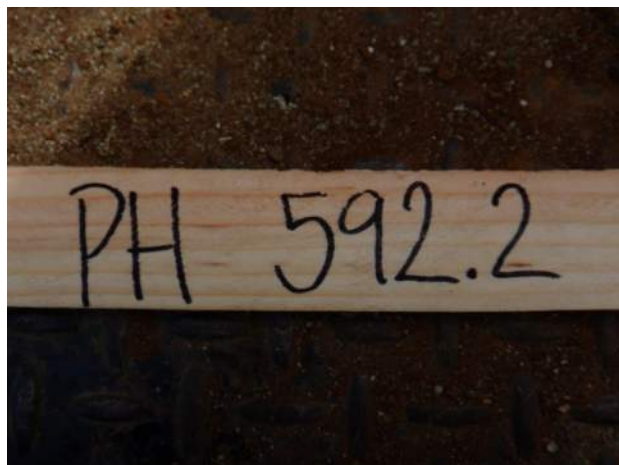
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
592.2		RW	5.63	10.14	54"	CONC	8.60 ft W of curb face, 26.00 ft S of SD/MH, 44.20 ft NE of STLT	N/S

Comments	Probed to find edges				
<u>Operator:</u>	Greulich, William	<u>Technician:</u>	Garcia, Jose Luis	<u>Vehicle:</u>	USI 5
<u>Field Log #:</u>	16101	<u>Log Date:</u>	02/21/2020	<u>Soil Type:</u>	DG
<u>Asphalt Depth:</u>	0	<u>Concrete Depth:</u>	0	<u>Marker:</u>	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 592.2

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

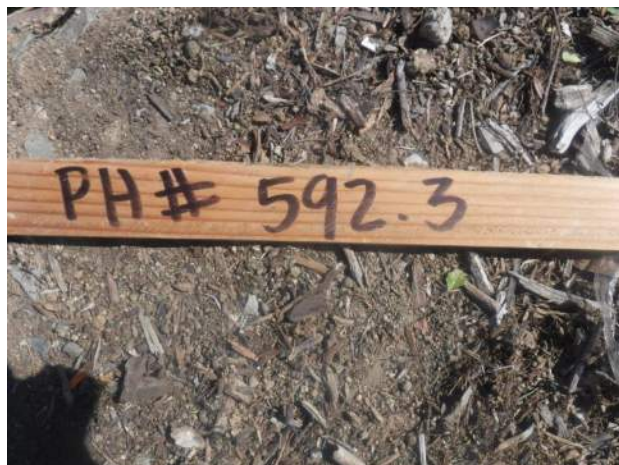
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
592.3		RW	1.38	2.36	2", 3"	PVC	21.20 ft W of curb face, 27.40 ft S of SD/MH, 45.00 ft N of STLT	N/S

Comments	Cleared to 5.00 ft - no other utilities found.				
Operator:	Iokia III, Samuel	Technician:	Garcia, Jose Luis	Vehicle:	USI 2
Field Log #:	16106	Log Date:	03/02/2020	Soil Type:	DG
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 592.3

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

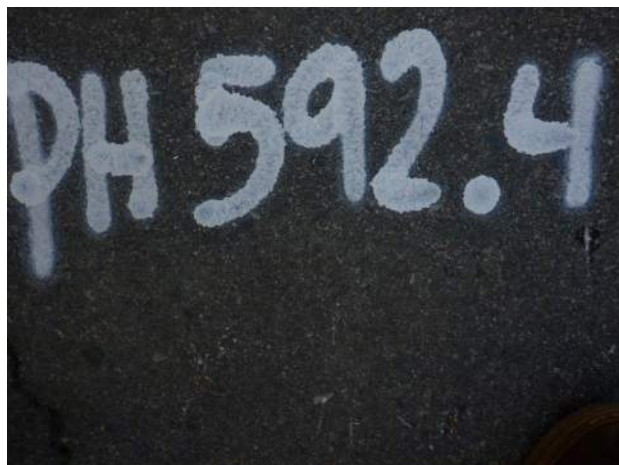
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

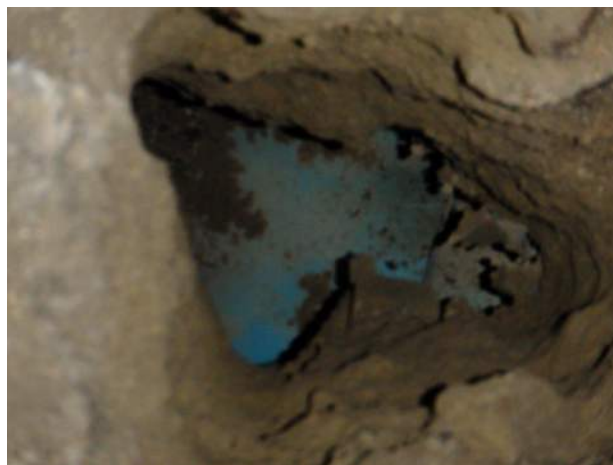
PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
592.4		W	4.42	6.47	24"	PVC	6.80 ft E of curb face, 28.40 ft SE of SD/MH, 45.60 ft NE of STLT	N/S

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 5
Field Log #:	16100	Log Date:	02/20/2020	Soil Type:	DG
Asphalt Depth:	7	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 592.4

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
600.1		BL	4.57	7.16	30"	CONC	5.40 ft W of curb face, 20.60 ft NE of STLT, 18.20 ft S of IRR valve	N/S

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 5
Field Log #:	16100	Log Date:	02/20/2020	Soil Type:	DG
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 600.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
600.2		RW	4.54	7.25	30"	CONC	12.60 ft SW of curb face, 15.80 ft N of STLT, 19.60 ft S of RW box	N/S

Comments					
Operator:	Iokia III, Samuel	Technician:	Garcia, Jose Luis	Vehicle:	USI 2
Field Log #:	16106	Log Date:	03/02/2020	Soil Type:	DG
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 600.2

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

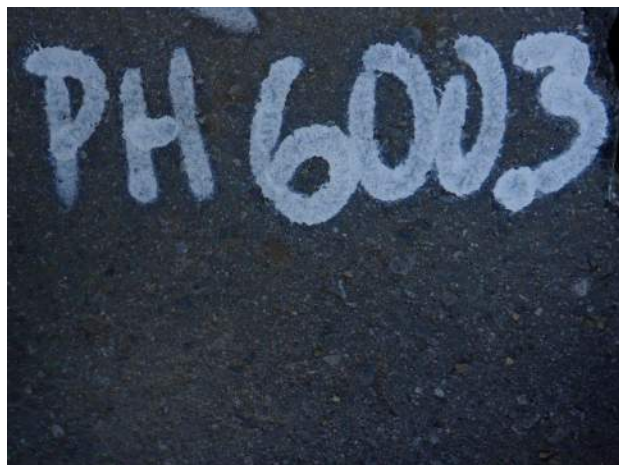
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
600.3		W	4.42	6.50	24"	CONC	6.60 ft E of curb face, 18.20 ft SE of IRR valve, 32.00 ft NE of STLT	NE/SW

Comments	Probed to find edges				
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 5
Field Log #:	16100	Log Date:	02/20/2020	Soil Type:	DG
Asphalt Depth:	7	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 600.3

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
 120 N. Andreasen Dr. Escondido, CA 92029
 (760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

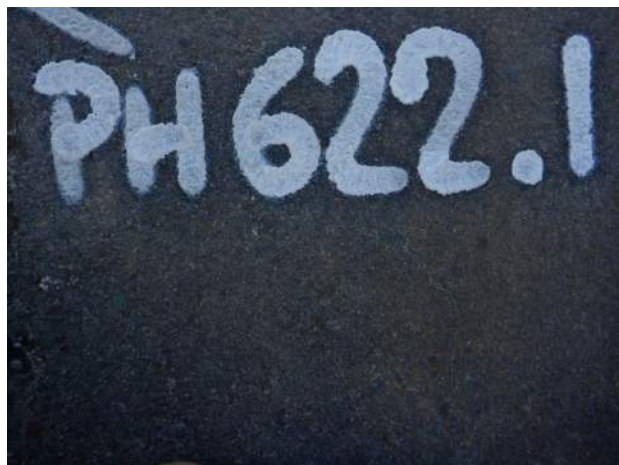
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
622.1		BL	8.87	11.36	30"	CONC	21.60 ft S of curb face, 15.60 ft N of hydrant, 35.00 ft SW of S/MH	E/W

Comments	Probed to find edges				
Operator:	Greulich, William	Technician:	Evans, Dakota	Vehicle:	USI 5
Field Log #:	16114	Log Date:	03/04/2020	Soil Type:	Clay
Asphalt Depth:	5	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 622.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
622.2		RW	8.91	13.40	56"	CONC	16.00 ft S of curb face, 21.60 ft N of hydrant, 37.80 ft SW of S/MH	E/W

Comments	Probed to find edges				
Operator:	Greulich, William	Technician:	Evans, Dakota	Vehicle:	USI 5
Field Log #:	16114	Log Date:	03/04/2020	Soil Type:	Clay
Asphalt Depth:	5	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 622.2

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
 120 N. Andreasen Dr. Escondido, CA 92029
 (760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

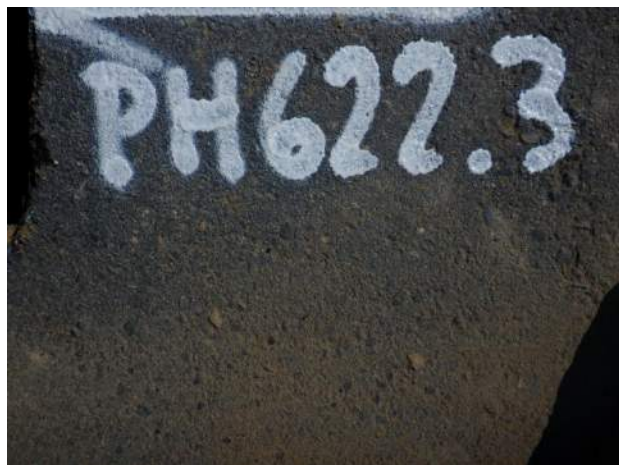
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
622.3		W	4.90	5.57	8"	PVC	13.60 ft N of curb face, 17.80 ft NE of hydrant, 28.40 ft SW of S/MH	N/S

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 5
Field Log #:	16103	Log Date:	02/25/2020	Soil Type:	Clay
Asphalt Depth:	7	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 622.3

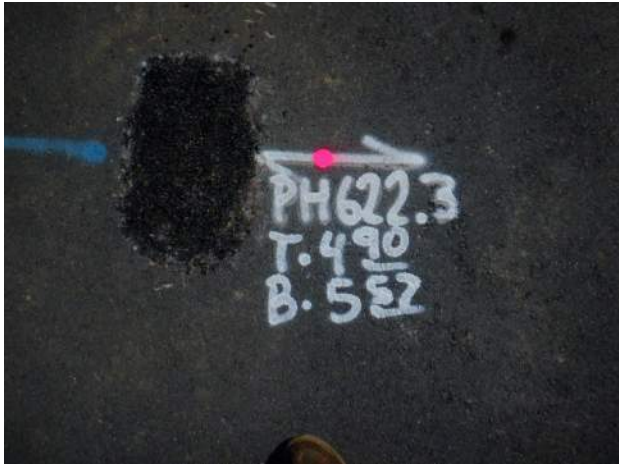
Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

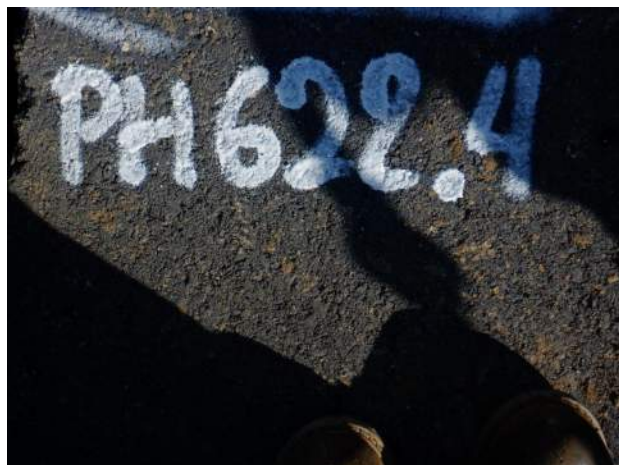
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
622.4		W	4.55	5.25	8"	PVC	4.60 ft N of curb face, 44.00 ft SW of S/MH, 11.20 ft W of W/valve	E/W

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 5
Field Log #:	16103	Log Date:	02/25/2020	Soil Type:	Clay
Asphalt Depth:	7	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 622.4

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

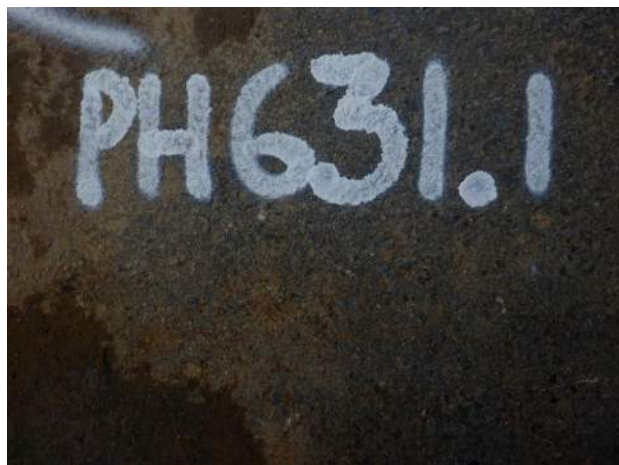
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
631.1		BL	11.71	14.24	30"	CONC	11.00 ft SW of curb face, 26.60 ft NE of W/valve, 56.60 ft N of SD/MH	E/W

Comments	Probed to find edges				
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 5
Field Log #:	16123	Log Date:	03/24/2020	Soil Type:	Clay
Asphalt Depth:	4	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 631.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
 120 N. Andreasen Dr. Escondido, CA 92029
 (760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

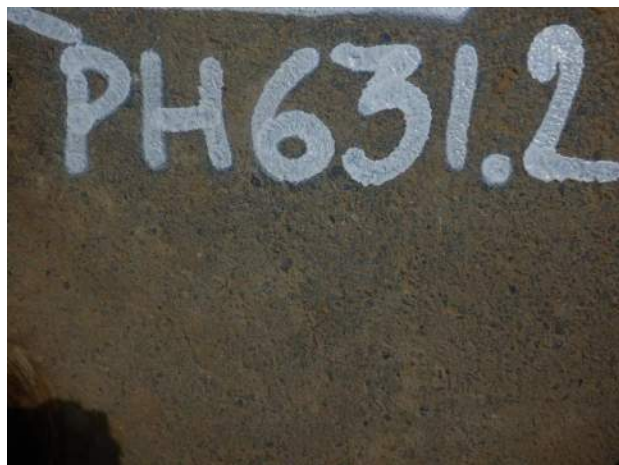
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
631.2		RW	12.17	17.70	54"	CONC	7.00 ft SW of curb face, 27.80 ft NE of W/valve, 63.00 ft N of SD/MH	E/W

Comments	Probed to find edges				
Operator:	Greulich, William	Technician:	Najera, Jonathan	Vehicle:	USI 5
Field Log #:	16122	Log Date:	03/23/2020	Soil Type:	Clay
Asphalt Depth:	4	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 631.2

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

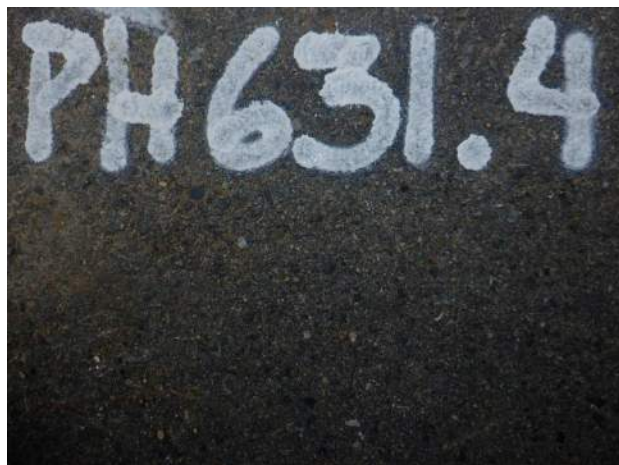
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
631.4		SWR	11.16	11.72	8"	PVC	15.20 ft W of curb face, 21.20 ft SE of W/valve, 37.60 ft N of SD/MH	E/W

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 5
Field Log #:	16124	Log Date:	03/25/2020	Soil Type:	Clay
Asphalt Depth:	4	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 631.4

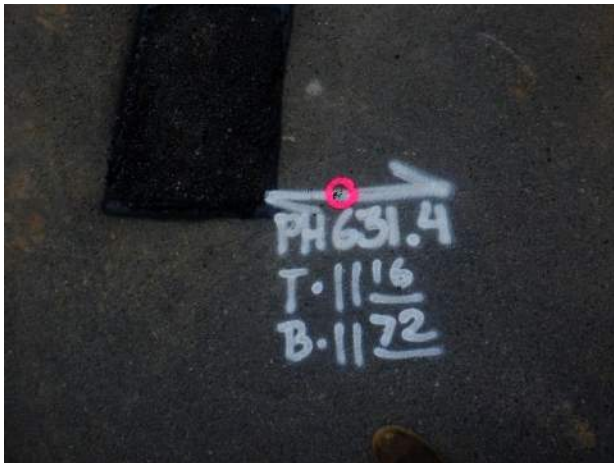
Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

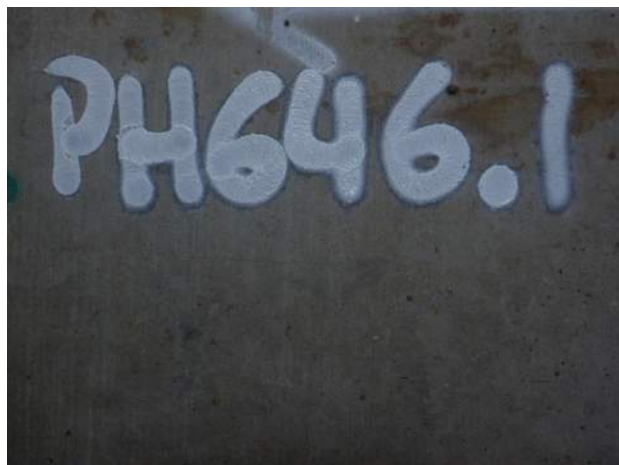
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
646.1		BL	11.00	0.00	30"	CONC	2.00 ft N of curb face, 57.60 ft W of STLT, 23.20 ft SE of E/MH	E/W

Comments	***Unable to expose pipe die to ground water. Top depth obtained by probe.				
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 5
Field Log #:	16124	Log Date:	03/25/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	4	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 646.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
646.10		RW	4.44	6.00	18"	PVC	90.00 ft N of SD, 19.00 ft NE of RW valve, 45.00 ft NE of RW valve	NE/SW

Comments					
Operator:	Greulich, William	Technician:	Gomez, Gregorio	Vehicle:	USI 5
Field Log #:	16144	Log Date:	04/30/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 646.10

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

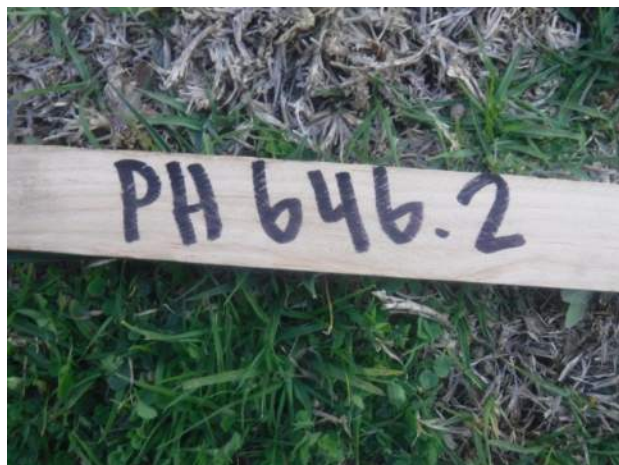
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
646.2		RW	8.72	0.00	54"	ACP	8.40 ft N of curb face, 59.00 ft W of STLT, 16.60 ft E of Edison vault	E/W

Comments					
Operator:	Iokia III, Samuel	Technician:	Evans, Dakota	Vehicle:	USI 2
Field Log #:	15999	Log Date:	03/23/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 646.2

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

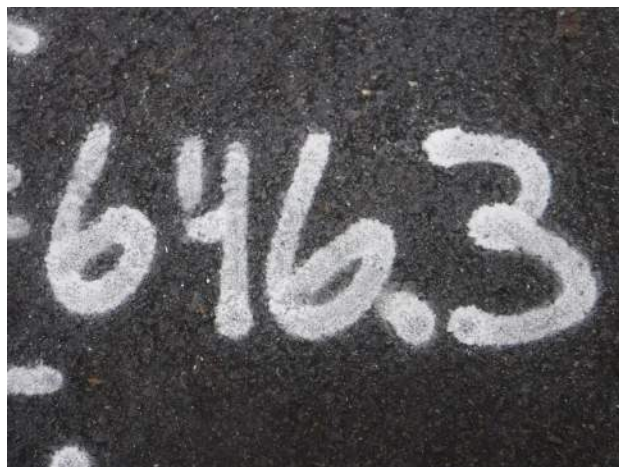
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
646.3		W	5.88	7.62	18"	PVC	15.60 ft S of curb face, 21.20 ft W of W/valve, 36.00 ft SE of E/vault	E/W

Comments					
Operator:	Gomez, Octavio H.	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	15898	Log Date:	03/18/2020	Soil Type:	DG
Asphalt Depth:	0.40	Concrete Depth:	0	Marker:	PK Nail

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 646.3

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
646.4		G	4.14	4.94	8"	PVC	5.80 ft N of curb face, 59.00 ft W of STLT, 18.20 ft E of Edison vault	E/W

Comments					
Operator:	Iokia III, Samuel	Technician:	Evans, Dakota	Vehicle:	USI 2
Field Log #:	15999	Log Date:	03/23/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 646.4

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
646.5		E	4.90	5.88	2" (6 ea)	PVC	12.40 ft N of curb face, 59.00 ft W of STLT, 16.00 ft E of Edison vault	E/W

Comments	*running side by side and stacked.				
Operator:	Iokia III, Samuel	Technician:	Evans, Dakota	Vehicle:	USI 2
Field Log #:	15999	Log Date:	03/23/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 646.5

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

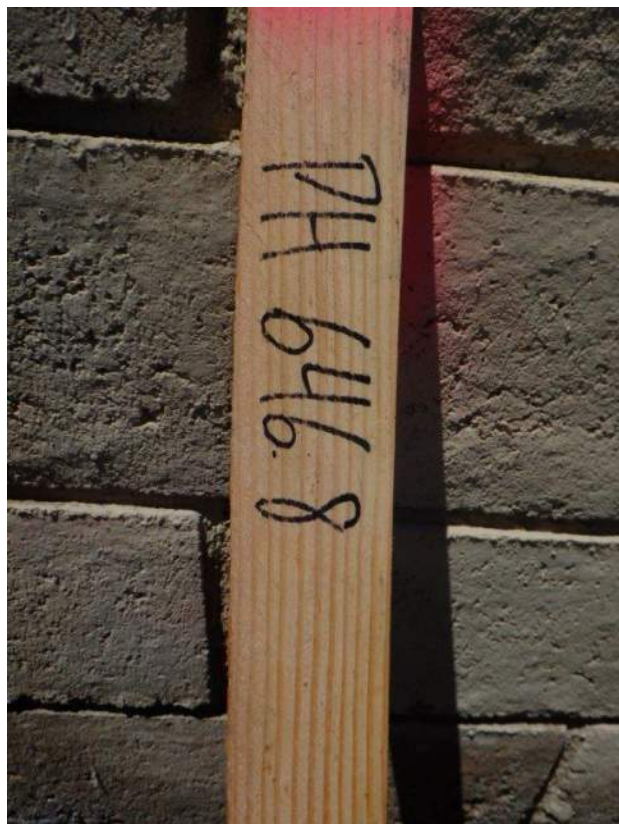
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
646.8		BL	9.86	0.00	30"	UNK	90.00 ft N of SD, 20.80 ft NE of RW valve, 44.60 ft NE of RW valve	NE/SW

Comments	Unable to clear beyond 8.60-probed to obtain top measure.				
Operator:	Greulich, William	Technician:	Gomez, Gregorio	Vehicle:	USI 5
Field Log #:	16144	Log Date:	04/30/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 646.8

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

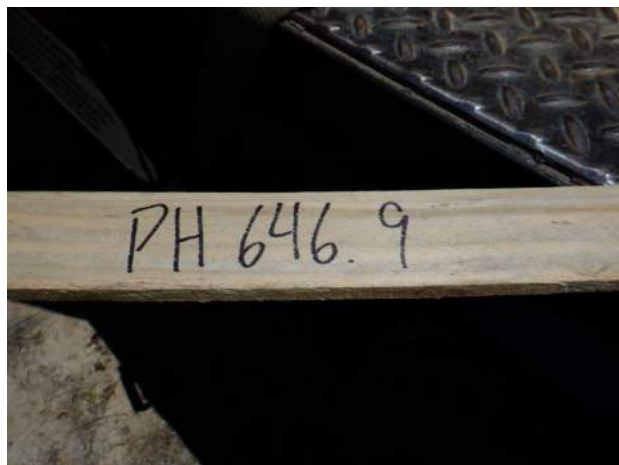
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
646.9		RW	10.72	0.00	54"	CONC	90.00 ft N of SD, 25.00 ft NE of RW valve, 46.30 ft NE of RW valve	NE/SW

Comments	Unable to clear beyond 8.60-probed to obtain top measure.				
<u>Operator:</u>	Greulich, William	<u>Technician:</u>	Gomez, Gregorio	<u>Vehicle:</u>	USI 5
<u>Field Log #:</u>	16144	<u>Log Date:</u>	04/30/2020	<u>Soil Type:</u>	Clay
<u>Asphalt Depth:</u>	0	<u>Concrete Depth:</u>	0	<u>Marker:</u>	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 646.9

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

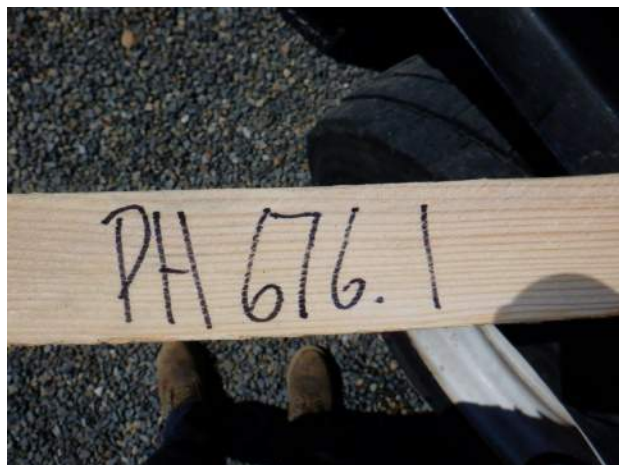
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
676.1		BL	0.00	0.00	30"	CONC	14.20 ft N of fence, 29.00 ft S of RW valve, 79.00 ft E of RW valve	NE/SW

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16139	Log Date:	04/23/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 676.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
 120 N. Andreasen Dr. Escondido, CA 92029
 (760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

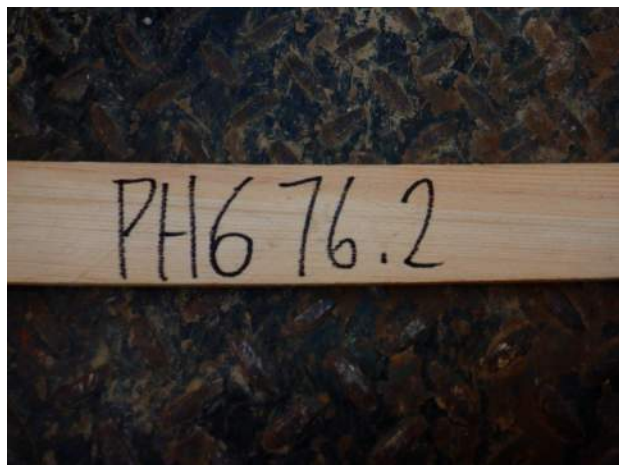
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
676.2		RW	5.71	10.22	54"	CONC	6.40 ft N of fence, 33.60 ft S of RW valve, 75.40 ft E of RW valve	NE/SW

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16140	Log Date:	04/24/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 676.2

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

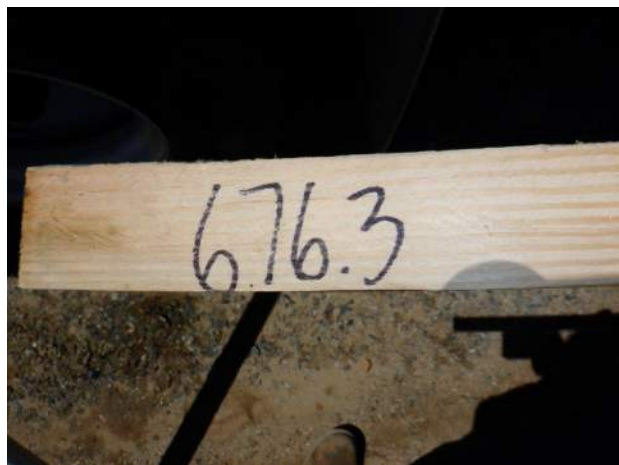
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
676.3		SD	2.18	5.20	36"	CSP	8.20 ft N of fence, 21.40 ft S of RW valve, 99.80 ft E of RW valve	N/S

Comments	Pothole requested by Engineer.				
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16139	Log Date:	04/23/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 676.3

Top Depth Photo



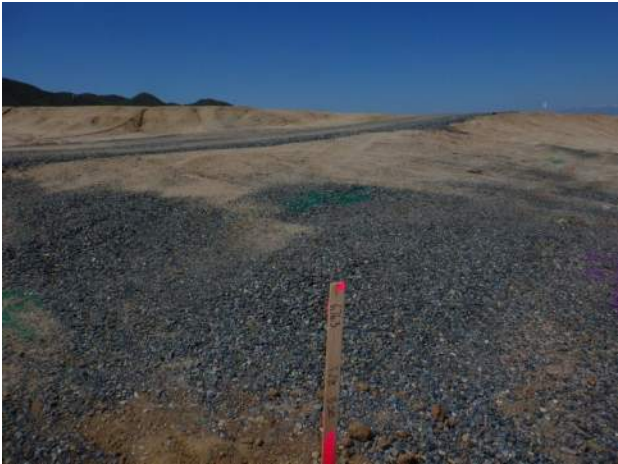
Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
688.1		BL	3.12	5.14	24"	CONC	7.60 ft N of fence, 135.00 ft NE of S/MH, 38.20 ft SW of C5 valve	NE/SW

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16138	Log Date:	04/23/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 688.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

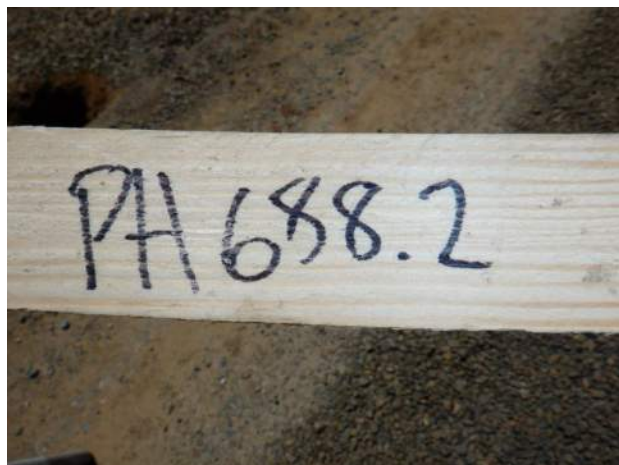
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
688.2		RW	5.38	9.80	54"	CONC	34.00 ft N of fence, 142.00 ft NE of S/MH, 26.40 ft SW of C5 valve	NE/SW

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16138	Log Date:	04/23/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 688.2

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

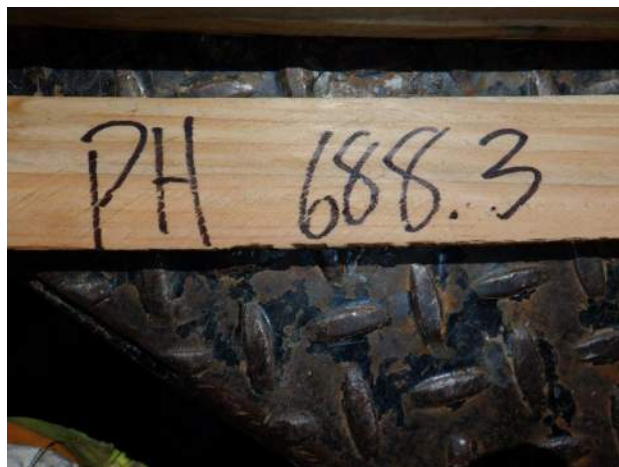
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
688.3		Dry Hole	0.00	0.00		N/A		Unknown

Comments	No utility found to 10.32 (probed to 11.00 ft.) PH located 3.60 ft N of fence, 135.00 ft NE of S/MH, 43.00 ft SW of C5 valve				
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16138	Log Date:	04/23/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 688.3

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
688.4		E	3.14	3.87	6" (2ea)	PVC	13.60 ft N of fence, 135.00 ft NE of S/MH, 34.80 ft SW of C5 valve	NE/SW

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16138	Log Date:	04/23/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 688.4

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

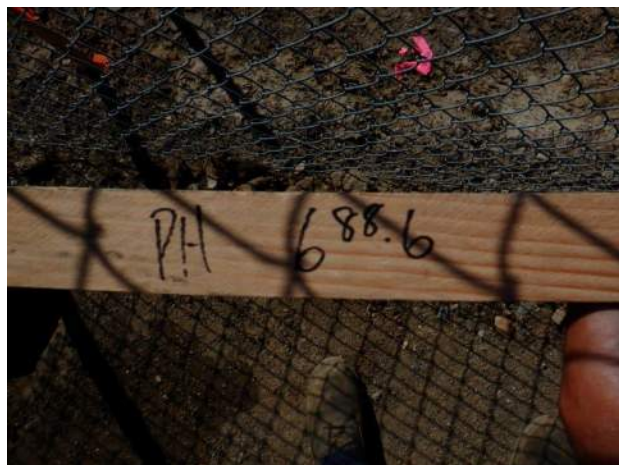
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
688.6		Dry Hole	0.00	0.00		N/A		Unknown

Comments	Cleared to 6.0 ft, probed to 12.0 ft, not utility found. PH located 1.0 ft N of fence, 135.0 ft NE of S/MH, 45.20 ft SW of C5 valve				
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16140	Log Date:	04/24/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 688.6

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
695.1		BL	9.62	11.70	24"	PVC	18.40 ft S of curb face, 11.20 ft SE of RW valve, 68.00 ft E of vault	E/W

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16142	Log Date:	04/27/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 695.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
696.1		BL	8.69	10.76	24"	PVC	11.40 ft SW of S/MH, 57.80 ft E of W/valve, 22.80 ft N of Salt Creek Bank	E/W

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16140	Log Date:	04/24/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 696.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

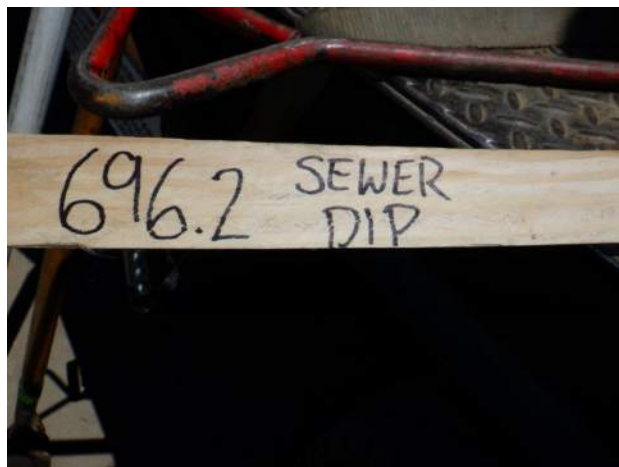
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
696.2 (Dip)		SWR	21.93	23.45	18"	UNK	2.00 ft E of S/MH	E/W

Comments	SEWER DIP				
<u>Operator:</u>	Greulich, William	<u>Technician:</u>	Gomez, Gregorio	<u>Vehicle:</u>	USI 5
<u>Field Log #:</u>	16144	<u>Log Date:</u>	04/30/2020	<u>Soil Type:</u>	N/A
<u>Asphalt Depth:</u>	N/A	<u>Concrete Depth:</u>	N/A	<u>Marker:</u>	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 696.2 (Dip)

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

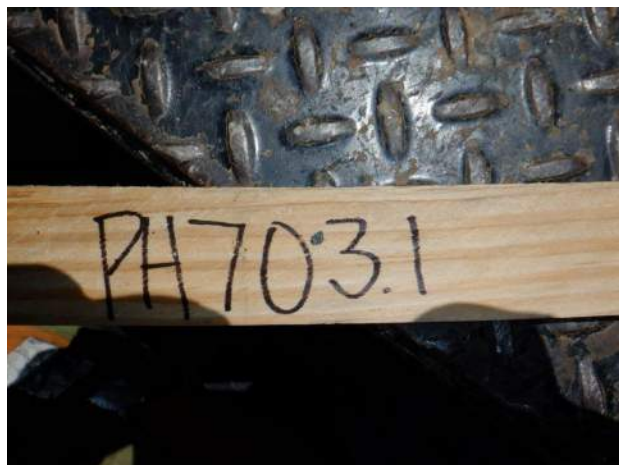
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
703.1		BL	2.92	4.98	24"	PVC	21.40 ft S of reence, 24.40 ft SW of raw water valve, 8.80 ft W of brine valve	E/W

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16140	Log Date:	04/24/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 703.1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
703.2		BL	2.62	4.70	24"	See Comment	11.00 ft E of non rec waste valve, 3.60 ft S of Non rec waste valve, 9.20 ft SE of W/valve	E/W

Comments					
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16142	Log Date:	04/27/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 703.2

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

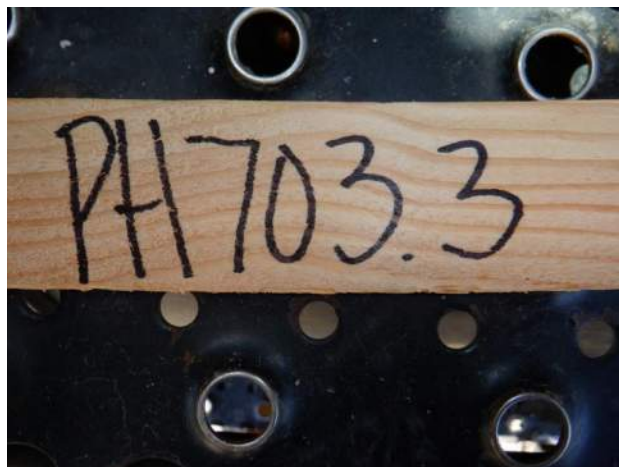
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
703.3		RW	7.78	0.00	30"	CONC	15.40 ft S of EMWD fence, 32.40 ft NW of non RW valve, 36.80 ft SW of raw water valve	E/W

Comments	Unable to get to get bottom due to soil conditions. Probed to obtain top measure.				
Operator:	Greulich, William	Technician:	Gomez, Gregorio	Vehicle:	USI 5
Field Log #:	16148	Log Date:	05/06/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 703.3

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

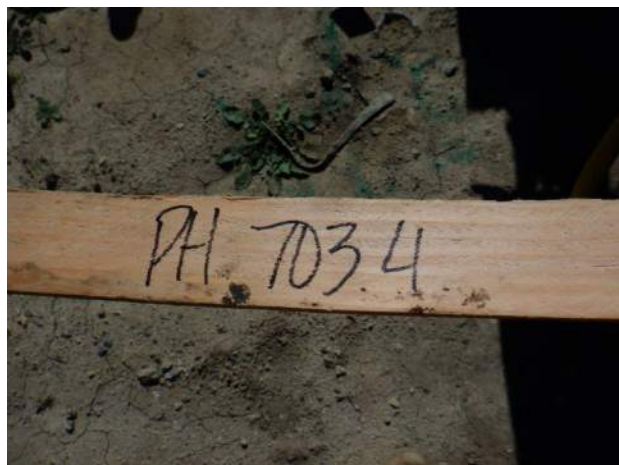
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
703.4		See Comment	6.14	8.20	24"	PVC	21.00 ft NW of W/valve, 10.40 ft W of raw water valve, 19.80 ft N of non rec waste valve	E/W

Comments	Utility: RAW WATER				
Operator:	Greulich, William	Technician:	Garcia, Jose Luis	Vehicle:	USI 1
Field Log #:	16142	Log Date:	04/27/2020	Soil Type:	Clay
Asphalt Depth:	0	Concrete Depth:	0	Marker:	Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 703.4

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

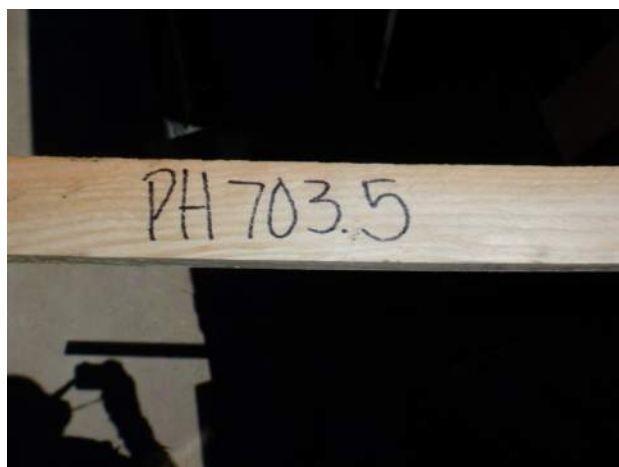
Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
703.5		RW	5.30	9.84	54"	CONC	11.00 ft S of fence, 12.80 ft SW of raw water valve, 13.80 ft NW of brine line	E/W

Comments					
Operator:	Greulich, William		Technician:	Garcia, Jose Luis	Vehicle: USI 1
Field Log #:	16141		Log Date:	04/24/2020	Soil Type: Clay
Asphalt Depth:	0		Concrete Depth:	0	Marker: Stake

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 703.5

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

PH#	Station	Utility	Top (ft)	Bottom (ft)	Size	Type	Distance From Curb	Direction
MWPH 1		BL	8.88	0.00	30"	CONC	7.40 ft N of curb face, 27.60 ft SW of S/MH	E/W

Comments	man way ports not located between mark-outs				
Operator:	Greulich, William	Technician:	Najera, Jonathan	Vehicle:	USI 5
Field Log #:	16118	Log Date:	03/17/2020	Soil Type:	Clay
Asphalt Depth:	8	Concrete Depth:	0	Marker:	Paint

Pre-Excavation Photo



Subsurface Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Subsurface Utility Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: MWPH 1

Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo



The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



DATA & PHOTO LOGS

REPORT DATA AND PHOTO LOG

Date: 2/20/20

Customer: EMWD

Project Name: BRINELINE

Technicians:

Location:

No 16100

Vac Truck #: 5

WILLIAM

JOSE

MENIFEE

POTHOLE #	600.3	Soil Type:	PG	Asphalt Depth:	7"	Concrete Depth:	N/A	Marker:	PAINT	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	0339	Area Photo# (Facing North)	0344	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	660	E	CURB FACE	
Utility:	W	Material Type:	CONC.	Size:	24"	Top Depth:	442	Bottom Depth:	650	Comments:	PROBED TO FIND EDGES			
Subsurface Photo#:	0340	Depth Photo (T) #:	0341	Depth Photo (B) #:	0342	Finish Photo#:	0343	Utility Direction:	NE/SW		No. 2	1820	SE	IRR. VALVE
											No. 3	3200	NE	LIGHT POLE
POTHOLE #	600.1	Soil Type:	PG	Asphalt Depth:	N/A	Concrete Depth:	N/A	Marker:	STAKE	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	0345	Area Photo# (Facing North)	0358	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	540	W	CURB FACE	
Utility:	BRINE	Material Type:	CONC.	Size:	30"	Top Depth:	457	Bottom Depth:	716	Comments:	PROBED TO FIND EDGES			
Subsurface Photo#:	0346	Depth Photo (T) #:	0347	Depth Photo (B) #:	0348	Finish Photo#:	0357	Utility Direction:	N/S		No. 2	2000	NE	LIGHT POLE
											No. 3	1820	S	IRR. VALVE
POTHOLE #	592.4	Soil Type:	PG	Asphalt Depth:	7"	Concrete Depth:	N/A	Marker:	PAINT	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	0349	Area Photo# (Facing North)	0356	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	650	E	CURB FACE	
Utility:	W	Material Type:	PVC	Size:	24"	Top Depth:	442	Bottom Depth:	641	Comments:				
Subsurface Photo#:	0351	Depth Photo (T) #:	0353	Depth Photo (B) #:	0354	Finish Photo#:	0355	Utility Direction:	N/S		No. 2	2840	SE	SDMH
											No. 3	4500	NE	LIGHT POLE
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:				
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 2			
											No. 3			

REPORT DATA AND PHOTO LOG

Date: 2/21/20

Customer: EMWD

Project Name: BRINE LINE

Technicians:

Location:

No 16101

Vac Truck #: 5

WILLIAM

JOSE

MENIFEE

POTHOLE #	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
592.1	DG	N/A	N/A	STAKE	No. 1	340	W	CURB FACE
Station #	Pre-Exc. Photo# 0359	Area Photo# (Facing North) 0364	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	4880	NE	LIGHT POLE
Utility: BRINE	Material Type: CONC.	Size: 30"	Top Depth: 537	Bottom Depth: 794	Comments: PROBES TO FIND EDGES			
Subsurface Photo# 0360	Depth Photo (T) #: 0361	Depth Photo (B) #: 0362	Finish Photo#: 0363	Utility Direction: N/S	No. 3	2500	SE	SDM H
592.2	DG	N/A	N/A	STAKE	No. 1	860	W	CURB FACE
Station #	Pre-Exc. Photo# 0365	Area Photo# (Facing North) 0370	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	2600	S	SDM H
Utility: REC. WATER	Material Type: CONC.	Size: 54"	Top Depth: 563	Bottom Depth: 1014	Comments: PROBES TO FIND EDGES			
Subsurface Photo# 0366	Depth Photo (T) #: 0367	Depth Photo (B) #: 0368	Finish Photo#: 0369	Utility Direction: N/S	No. 3	4420	NE	LIGHT POLE
584.5	CLAY	7"	N/A	PAINT	No. 1	700	E	CURB FACE
Station #	Pre-Exc. Photo# 0371	Area Photo# (Facing North) 0382	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	3060	NE	LIGHT POLE
Utility: W	Material Type: CONC.	Size: 12"	Top Depth: 519	Bottom Depth: 623	Comments:			
Subsurface Photo# 0378	Depth Photo (T) #: 0379	Depth Photo (B) #: 0380	Finish Photo#: 0381	Utility Direction: N/S	No. 3	1800	SE	HYDRANT
	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 1			CURB FACE
Utility:	Material Type:	Size:	Top Depth:	Bottom Depth:	Comments:			
Subsurface Photo#	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:	No. 2			
					No. 3			

REPORT DATA AND PHOTO LOG

Date: 2/25/20

Customer: EMWD

Project Name: BRUNELINE

Technicians:

Location:

No 16103

Vac Truck #: 5

WILLIAM

JOSE

WENIFEE

POTHOLE #	622.4	Soil Type:	CLAY	Asphalt Depth:	7"	Concrete Depth:	NIA	Marker:	PAINT	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	0389	Area Photo# (Facing North)	0395	Slot Trench: Width: _____ x Length: _____ x Depth: _____				No. 1	460	N	CURB FACE	
Utility:	W	Material Type:	PVC	Size:	8"	Top Depth:	455	Bottom Depth:	525	Comments:	No. 2	4400	SW	SMA
Subsurface Photo#:	0390	Depth Photo (T) #:	0391	Depth Photo (B) #:	0393	Finish Photo#:	0394	Utility Direction:	E/W		No. 3	1120	W	W. VALVE
POTHOLE #	622.3	Soil Type:	CLAY	Asphalt Depth:	7"	Concrete Depth:	NIA	Marker:	PAINT	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	0396	Area Photo# (Facing North)	0401	Slot Trench: Width: _____ x Length: _____ x Depth: _____				No. 1	1360	N	CURB FACE	
Utility:	W	Material Type:	PVC	Size:	8"	Top Depth:	492	Bottom Depth:	551	Comments:	No. 2	1780	NE	HYDRANT
Subsurface Photo#:	0397	Depth Photo (T) #:	0398	Depth Photo (B) #:	0399	Finish Photo#:	0400	Utility Direction:	N/S		No. 3	2810	SW	SMA
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length: _____ x Depth: _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length: _____ x Depth: _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			



Underground Solutions, Inc.
120 N. Andrews, Escondido, CA 92029
760-294-5449 • Fax: 760-254-5190 • www.uspohole.com

REPORT DATA AND PHOTO LOG

Date: 3.2.20
Customer: EMWD
Project Name: Brine Line

Technicians:
Location:

No **16106** Vac Truck #: 02
Samuel I / Jose G
Menifee Goetz Rd

POTHOLE #	600.2	Soil Type:	Asphalt	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length _____ x Depth _____		No. 1	1260	SW	CURB FACE
Utility:	RW	Material Type:	Size:	Top Depth:	Bottom Depth:	No. 2	1580	IV	S.L.
Subsurface Photo#:	0513	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:	No. 3	1960	S	RW Box
POTHOLE #	592.3	Soil Type:	Asphalt	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: <u>1</u> x Length <u>3</u> x Depth <u>500</u>		No. 1	2120	W	CURB FACE
Utility:	RW	Material Type:	Size:	Top Depth:	Bottom Depth:	No. 2	2740	S	SDMA
Subsurface Photo#:	0519	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:	No. 3	4500	N	S.L.
POTHOLE #		Soil Type:	Asphalt	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length _____ x Depth _____		No. 1			CURB FACE
Utility:		Material Type:	Size:	Top Depth:	Bottom Depth:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:	No. 3			
POTHOLE #		Soil Type:	Asphalt	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length _____ x Depth _____		No. 1			CURB FACE
Utility:		Material Type:	Size:	Top Depth:	Bottom Depth:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:	No. 3			



Underground Solutions, Inc.
120 N. Andreasen, Escondido, CA 92029
760.291-9149 • Fax: 760.294-9150 • www.uspohole.com

REPORT DATA AND PHOTO LOG

Date: 3 3 -20

Customer: EMWD

Project Name: Brine line

Technicians:

Location:

No 16107

Vac Truck #: 02

Samuel I / Jose G
Menifee

POTHOLE #	584.1	Soil Type:	DG	Asphalt Depth:	050	Concrete Depth:	-	Marker:	Paint	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#	0527	Area Photo# (Facing North)	0531	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	440	E	CURB FACE
Utility:	Brine Line	Material Type:	N/A	Size:	N/A	Top Depth:	N/A	Bottom Depth:	1708	Comments: Cleared to 17" NO Utilities Found. Probed to 19" NO Utilities			
Subsurface Photo#:	0588	Depth Photo (T) #:	N/A	Depth Photo (B) #:	0529	Finish Photo#:	0530	Utility Direction:	N/A	No. 2	2900	W	Curb face
										No. 3	3342	N	S.L.
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:		No. 2			
										No. 3			
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:		No. 2			
										No. 3			
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:		No. 2			
										No. 3			



Underground Solutions, Inc.
120 N. Andover, Escondido, CA 92029
760.294.9490 • Fax: 760.294.9490 • www.uspohole.com

REPORT DATA AND PHOTO LOG

Date: 3/4/20

Customer: EMWD

Project Name: BRINELINE

Technicians:

Location:

No 16114

Vac Truck #:

WILLIAM DAKOTA
MENIFEE

POTHOLE #	622.1	Soil Type:	CLAY	Asphalt Depth:	5"	Concrete Depth:	N/A	Marker:	PAINT	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	0452	Area Photo# (Facing North)	0457	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	2160	S	CURB FACE	
Utility:	BRINE	Material Type:	CONCRETE	Size:	30"	Top Depth:	887	Bottom Depth:	1136	Comments: PROBED TO FIND EDGES	No. 2	1560	N	HYDRANT
Subsurface Photo#:	0453	Depth Photo (T) #:	0454	Depth Photo (B) #:	0455	Finish Photo#:	0456	Utility Direction:	E/W		No. 3	3500	SW	SM H
POTHOLE #	622.2	Soil Type:	CLAY	Asphalt Depth:	5"	Concrete Depth:	N/A	Marker:	PAINT	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	0458	Area Photo# (Facing North)	0464	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	1600	S	CURB FACE	
Utility:	REL. W	Material Type:	CONCRETE	Size:	56"	Top Depth:	891	Bottom Depth:	1340	Comments: PROBED TO FIND EDGES	No. 2	2160	N	HYDRANT
Subsurface Photo#:	0460	Depth Photo (T) #:	0461	Depth Photo (B) #:	0462	Finish Photo#:	0463	Utility Direction:	E/W		No. 3	3780	SW	SM H
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			

REPORT DATA AND PHOTO LOG

Date: 3/17/20

Customer: EMWD

Project Name: BRINELINE

Technicians:

Location:

No 16118

Vac Truck #: 5

WILLIAM

JONATHAN

MENIFEE

POT HOLE #	MWPH#1	Soil Type:	CLAY	Asphalt Depth:	8"	Concrete Depth:	N/A	Marker:	PAINT	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	0542	Area Photo# (Facing North)	0546	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	740	N	CURB FACE	
Utility:	BRNE	Material Type:	CONC.	Size:	30"	Top Depth:	888	Bottom Depth:	-	Comments: MANWAY PORTS NOT LOCATED BETWEEN MARK OUTS	No. 2	2760	SW	SMH
Subsurface Photo#:	0543	Depth Photo (T) #:	0544	Depth Photo (B) #:	-	Finish Photo#:	0545	Utility Direction:	E/W		No. 3			
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:			No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:			No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:			No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			

REPORT DATA AND PHOTO LOG

Date: 3.17.20

Customer: EMWD

Project Name: Brimline

Technicians:

Location:

No 15978

Vac Truck #: 02

Samuel I / Dakota E
Mentee

POTHOLE #	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
584.2	DG / Clay	0.40	-	PK / Paint	No. 1	360	W	CURB FACE
Station #	Pre-Exc. Photo# 1476	Area Photo# (Facing North) 1480	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	300	E	Curb Face
Utility:	Material Type: UNK	Size: 54"	Top Depth: 1475	Bottom Depth: -	Comments: Unable to expose pipe due to gravel collapsing.	No. 3	3860	SE
Subsurface Photo# 1477	Depth Photo (T) #: 1478	Depth Photo (B) #: -	Finish Photo#: 1479	Utility Direction: E / W				SL Box
	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	No. 1			CURB FACE
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2			
Utility:	Material Type:	Size:	Top Depth:	Bottom Depth:	Comments:	No. 3		
Subsurface Photo#	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:				
	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	No. 1			CURB FACE
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2			
Utility:	Material Type:	Size:	Top Depth:	Bottom Depth:	Comments:	No. 3		
Subsurface Photo#	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:				

REPORT DATA AND PHOTO LOG

Date: 3-18-2020

Customer: EMWD

Project Name: BIRNLINE

Technicians:

Location:

№ 15898

Vac Truck #: 01

OCTAVIO G. / JOSÉ G.
MENISFE

POT HOLE #	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
<u>646.3</u>	<u>SO</u>	<u>040</u>	<u>-</u>	<u>PAINT/PIK</u>	No. 1	<u>1560</u>	<u>S</u>	<u>CURB FACE</u>
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length _____ x Depth _____		No. 2	<u>2120</u>	<u>W</u>	<u>WATER VALVE</u>
Utility:	Material Type:	Size:	Top Depth:	Bottom Depth:	Comments:	No. 3	<u>3600</u>	<u>SE</u>
Subsurface Photo#:	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:				<u>ELECTRIC VAULT</u>
	<u>1578</u>	<u>1583</u>	<u>1582</u>	<u>E/W</u>				
POT HOLE #	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length _____ x Depth _____		No. 1			<u>CURB FACE</u>
Utility:	Material Type:	Size:	Top Depth:	Bottom Depth:	Comments:	No. 2		
Subsurface Photo#:	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:		No. 3		
POT HOLE #	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length _____ x Depth _____		No. 1			<u>CURB FACE</u>
Utility:	Material Type:	Size:	Top Depth:	Bottom Depth:	Comments:	No. 2		
Subsurface Photo#:	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:		No. 3		
POT HOLE #	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length _____ x Depth _____		No. 1			<u>CURB FACE</u>
Utility:	Material Type:	Size:	Top Depth:	Bottom Depth:	Comments:	No. 2		
Subsurface Photo#:	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:		No. 3		



Underground Solutions, Inc.
120 N. Andreasen, Escondido, CA 92029
760-291-9149 • Fax: 760-291-9190 • www.uspohole.com



REPORT DATA AND PHOTO LOG

Date: 3.18.20
Customer: EMWD
Project Name: Brine line

Technicians:
Location:

No 15979

Vac Truck #: 02

Samuel I / Dakota E
Monisee

POTHOLE #	<u>5843</u>	Soil Type:	<u>DG / Clay</u>	Asphalt Depth:	<u>040</u>	Concrete Depth:	<u>-</u>	Marker:	<u>PK / paint</u>	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	<u>1481</u>	Area Photo# (Facing North)	<u>1487</u>	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	<u>760</u>	<u>W</u>	<u>CURB FACE</u>	
Utility:	<u>W</u>	Material Type:	<u>PVC</u>	Size:	<u>24"</u>	Top Depth:	<u>467</u>	Bottom Depth:	<u>667</u>	Comments:	No. 2	<u>2650</u>	<u>E</u>	<u>curb face</u>
Subsurface Photo#:	<u>M482</u>	Depth Photo (T) #:	<u>M483</u>	Depth Photo (B) #:	<u>M484</u>	Finish Photo#:	<u>1486</u>	Utility Direction:	<u>N/S</u>		No. 3	<u>4330</u>	<u>NE</u>	<u>SL</u>
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			<u>CURB FACE</u>	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			<u>CURB FACE</u>	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			<u>CURB FACE</u>	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			



Underground Solutions, Inc.
120 N. Andreasen, Escondido, CA 92029
760-294-9119 • Fax: 760-294-9190 • www.uspohole.com

REPORT DATA AND PHOTO LOG

Date: 3.23.20

Customer: EMWD

Project Name: BRINELINE

Technicians:

Location:

No 15999

Vac Truck #: 02

Samuel I.
Mehitce

Dakota E

POT HOLE #	646.2	Soil Type:	clay	Asphalt Depth:	-	Concrete Depth:	-	Marker:	feather / stake	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	1507	Area Photo# (Facing North)	1522	Slot Trench: Width: _____ x Length: _____ x Depth: _____				No. 1	840	N	CURB FACE	
Utility:	PW	Material Type:	AC	Size:	54"	Top Depth:	872	Bottom Depth:	-	Comments:	No. 2	5900	W	SL
Subsurface Photo#:	1508	Depth Photo (T) #:	1509	Depth Photo (B) #:	-	Finish Photo#:	1518	Utility Direction:	E/W		No. 3	1660	E	Edison Vault
POT HOLE #	646.5	Soil Type:	clay	Asphalt Depth:	-	Concrete Depth:	-	Marker:	feather / stake	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	1510	Area Photo# (Facing North)	1523	Slot Trench: Width: _____ x Length: _____ x Depth: _____				No. 1	1240	N	CURB FACE	
Utility:	E	Material Type:	PVC	Size:	(6) 2"	Top Depth:	490	Bottom Depth:	598	Comments: (6) 2" PVC Running Side by Side and Staked (3) white (2) Gray	No. 2	5900	W	SL
Subsurface Photo#:	1511	Depth Photo (T) #:	1512	Depth Photo (B) #:	1513	Finish Photo#:	1519	Utility Direction:	E/W		No. 3	1600	E	Edison Vault
POT HOLE #	646.4	Soil Type:	clay	Asphalt Depth:	-	Concrete Depth:	-	Marker:	Feather / stake	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	1514	Area Photo# (Facing North)	1524	Slot Trench: Width: _____ x Length: _____ x Depth: _____				No. 1	580	N	CURB FACE	
Utility:	G	Material Type:	PVC	Size:	8"	Top Depth:	413	Bottom Depth:	499	Comments:	No. 2	5900	W	SL
Subsurface Photo#:	1515	Depth Photo (T) #:	1516	Depth Photo (B) #:	1517	Finish Photo#:	1521	Utility Direction:	E/W		No. 3	1820	E	Edison Vault
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length: _____ x Depth: _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			

REPORT DATA AND PHOTO LOG

Date: 3/23/20

Customer: EMWD

Project Name: BRNLINE

Technicians:

Location:

No 16122

Vac Truck #: 5

WILLIAM

JONATHAN

MENIFEE

POT HOLE #	631.2	Soil Type:	CLAY	Asphalt Depth:	4"	Concrete Depth:	N/A	Marker:	PAINT	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	0547	Area Photo# (Facing North)	0552	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	700	SW	CURB FACE	
Utility:	REC. W	Material Type:	CONCRETE	Size:	54"	Top Depth:	1217	Bottom Depth:	1770	Comments:	PROBED TO FIND EDGES			
Subsurface Photo#:	0548	Depth Photo (T) #:	0549	Depth Photo (B) #:	0550	Finish Photo#:	0551	Utility Direction:	E/W		No. 2	2750	NE	W VALVE
											No. 3	6300	N	SDM H
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:				
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 2			
											No. 3			
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:				
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 2			
											No. 3			
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:				
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 2			
											No. 3			

REPORT DATA AND PHOTO LOG

Date: 3/24/20

Customer: EMWD

Project Name: BRWELINE

Technicians:

Location:

No 16123

Vac Truck #: 5

WILLIAM JOSE
MENEFEE

POT HOLE #	631.1	Soil Type:	CLAY	Asphalt Depth:	4"	Concrete Depth:	N/A	Marker:	PAINT	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#	0553	Area Photo# (Facing North)	0558	Slot Trench: Width: _____ x Length _____ x Depth _____			No. 1	1100	SW	CURB FACE	
Utility:	BRINE	Material Type:	CONCRETE	Size:	30"	Top Depth:	1171	Bottom Depth:	1424	Comments:	PROBED TO FIND EDGES		
Subsurface Photo#:	0554	Depth Photo (T) #:	0555	Depth Photo (B) #:	0556	Finish Photo#:	0557	Utility Direction:	E/W	No. 2	2660	NE	W. VALVE
										No. 3	5660	N	SPMUT
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____			No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2		
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:		No. 3			
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____			No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2		
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:		No. 3			
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____			No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2		
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:		No. 3			

REPORT DATA AND PHOTO LOG

Date: 3/25/20

Customer: EMWD

Project Name: BRINE LINE

Technicians:

Location:

No 16124

Vac Truck #: 5

WILLIAM JOSE

MENIFEE

POT HOLE #	631.4	Soil Type:	CLAY	Asphalt Depth:	4"	Concrete Depth:	N/A	Marker:	PAINT	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	0559	Area Photo# (Facing North)	0564	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	1520	W	CURB FACE	
Utility:	SEWER	Material Type:	PVC	Size:	8"	Top Depth:	1116	Bottom Depth:	1172	Comments:	No. 2	2120	SE	WATER VALVE
Subsurface Photo#:	0560	Depth Photo (T) #:	0561	Depth Photo (B) #:	0562	Finish Photo#:	0563	Utility Direction:	E/W		No. 3	3760	N	SDMH
POT HOLE #	646.1	Soil Type:	CLAY	Asphalt Depth:	N/A	Concrete Depth:	4"	Marker:	PAINT	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#	0565	Area Photo# (Facing North)	0568	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	200	N	CURB FACE	
Utility:	BRINE	Material Type:	CONCRETE	Size:	30"	Top Depth:	~1100	Bottom Depth:	N/A	Comments: UNABLE TO EXPOSE PIPE DUE TO GROUND WATER DEPTH ACQUIRED WITH PROBE MEASUREMENT	No. 2	5760	W	LIGHT POLE
Subsurface Photo#:	0566	Depth Photo (T) #:	N/A	Depth Photo (B) #:	N/A	Finish Photo#:	0567	Utility Direction:	E/W		No. 3	2320	SE	EMH
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:	
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE	
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:	No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:			No. 3			



Underground Solutions, Inc.
120 N. Andrews, Escondido, CA 92029
760-294-9145 • Fax: 760-294-9130 • www.uspohole.com

POSITIVE ID

REPORT DATA AND PHOTO LOG

Date: 4/23/20

Customer: EMWD

Project Name: BRINELINE

Technicians:

Location:

No 16138

Vac Truck #: 1

WILLIAM JOSE
KENIFEE

POTHOLE #	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
688.4	CLAY	N/A	N/A	STAKE	No. 1	1360	N	CURB FACE FENCE
Station #	Pre-Exc. Photo# 1822	Area Photo# (Facing North) 1818 1840	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	13500	NE	SMH
Utility: E	Material Type: PVC	Size: 6" x 2	Top Depth: 314	Bottom Depth: 387	No. 3	3480	SW	C5 VALVE
Subsurface Photo# 1823	Depth Photo (T) #: 1824	Depth Photo (B) #: 1825	Finish Photo# 1839	Utility Direction: NE/SW				
688.1	CLAY	N/A	N/A	STAKE	No. 1	760	N	CURB FACE FENCE
Station #	Pre-Exc. Photo# 1826	Area Photo# (Facing North) 1842	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	13500	NE	SMH
Utility: BRINE	Material Type: CONCRETE	Size: 24"	Top Depth: 312	Bottom Depth: 514	No. 3	3820	SW	C5 VALVE
Subsurface Photo# 1829	Depth Photo (T) #: 1827	Depth Photo (B) #: 1828	Finish Photo# 1841	Utility Direction: NE/SW				
688.3	CLAY	N/A	N/A	STAKE	No. 1	360	N	CURB FACE FENCE
Station #	Pre-Exc. Photo# 1830	Area Photo# (Facing North) 1844	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	13500	NE	SMH
Utility: N/A	Material Type: N/A	Size: N/A	Top Depth: N/A	Bottom Depth: 1100	No. 3	41300	SW	C5 VALVE
Subsurface Photo# 1831	Depth Photo (T) #: N/A	Depth Photo (B) #: 1832	Finish Photo# 1843	Utility Direction: N/A	NO UTILITIES FOUND PROBED WITH WATER TO 1200			
688.2	CLAY	N/A	N/A	STAKE	No. 1	3400	N	CURB FACE FENCE
Station #	Pre-Exc. Photo# 1833	Area Photo# (Facing North) 1838	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	14200	NE	SMH
Utility: REC WATER	Material Type: CONC.	Size: 54"	Top Depth: 538	Bottom Depth: 900	No. 3	2640	SW	C5 VALVE
Subsurface Photo# 1834	Depth Photo (T) #: 1835	Depth Photo (B) #: 1836	Finish Photo# 1837	Utility Direction: NE/SW				

REPORT DATA AND PHOTO LOG

Date: 4/23/20

Customer: EMWD

Project Name: BRINELINE

Technicians:

Location:

No **16139**

Vac Truck #: 1

WILLIAM JOSE
MENIFEE

POTHOLE #	<u>676.3</u>	Soil Type:	<u>CLAY</u>	Asphalt Depth:	<u>N/A</u>	Concrete Depth:	<u>N/A</u>	Marker:	<u>STAKE</u>	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#	<u>1845</u>	Area Photo# (Facing North)	<u>1856</u>	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	<u>820</u>	<u>N</u>	<u>CURB FACE FENCE</u>
Utility:	<u>SD</u>	Material Type:	<u>CORRUGATED STEEL</u>	Size:	<u>36"</u>	Top Depth:	<u>218</u>	Bottom Depth:	<u>520</u>	Comments: <u>POT HOLE REQUESTED BY ENGINEER</u>			
Subsurface Photo#:	<u>1847</u>	Depth Photo (T) #:	<u>1846</u>	Depth Photo (B) #:	<u>1848</u>	Finish Photo#:	<u>1855</u>	Utility Direction:	<u>N/S</u>	No. 2	<u>2140</u>	<u>S</u>	<u>REC. WATER VALVE</u>
										No. 3	<u>9980</u>	<u>E</u>	<u>REC. WATER VALVE</u>
POTHOLE #	<u>676.1</u>	Soil Type:	<u>CLAY</u>	Asphalt Depth:	<u>N/A</u>	Concrete Depth:	<u>N/A</u>	Marker:	<u>STAKE</u>	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#	<u>1849</u>	Area Photo# (Facing North)	<u>1854</u>	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	<u>1420</u>	<u>N</u>	<u>CURB FACE FENCE</u>
Utility:	<u>BRINE</u>	Material Type:	<u>CONCRETE</u>	Size:	<u>30"</u>	Top Depth:	<u>711</u>	Bottom Depth:	<u>962</u>	Comments:			
Subsurface Photo#:	<u>1850</u>	Depth Photo (T) #:	<u>1851</u>	Depth Photo (B) #:	<u>1852</u>	Finish Photo#:	<u>1853</u>	Utility Direction:	<u>NE/SW</u>	No. 2	<u>2900</u>	<u>S</u>	<u>REC. WATER VALVE</u>
										No. 3	<u>7100</u>	<u>E</u>	<u>REC. WATER VALVE</u>
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			<u>CURB FACE</u>
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:		No. 2			
										No. 3			
POTHOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			<u>CURB FACE</u>
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:		No. 2			
										No. 3			



Underground Solutions, Inc.
120 N. Andreasen, Escondido, CA 92027
760-293-9449 • Fax: 760-294-9490 • www.uspotech.com

REPORT DATA AND PHOTO LOG

Date: 4/24/20

Customer: EMWD

Project Name: BRINE LINE

Technicians:

Location:

No **16140**

Vac Truck #: 1

WILLIAM JOSE
MENIFEE

POTHOLE #	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
676.2	CLAY	N/A	N/A	STAKE	No. 1	640	N	CURB FACE FENCE
Station #	Pre-Exc. Photo# 1857	Area Photo# (Facing North) 1862	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	3360	S	REC. WATER VALVE
Utility: REC. WATER	Material Type: CONCRETE	Size: 54"	Top Depth: 571	Bottom Depth: 1022	Comments:	No. 3	7540	E
Subsurface Photo# 1858	Depth Photo (T) #: 1859	Depth Photo (B) #: 1860	Finish Photo#: 1861	Utility Direction: NE/SW				
688.6	CLAY	N/A	N/A	STAKE	No. 1	100	N	CURB FACE FENCE
Station #	Pre-Exc. Photo# 1863	Area Photo# (Facing North) 1867	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	13500	NE	SMH
Utility: N/A	Material Type: N/A	Size: N/A	Top Depth: N/A	Bottom Depth: 600	Comments: CLEARED TO 600	No. 3	4520	SW
Subsurface Photo# 1864	Depth Photo (T) #: N/A	Depth Photo (B) #: 1865	Finish Photo#: 1866	Utility Direction: N/A	PROBED W/ WATER TO 1200 NO UTILITIES FOUND			
696.1	CLAY	N/A	N/A	STAKE	No. 1	1140	SW	CURB FACE SMH
Station #	Pre-Exc. Photo# 1868	Area Photo# (Facing North) 1873	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	5780	E	W VALVE
Utility: BRINE	Material Type: PVC	Size: 24"	Top Depth: 869	Bottom Depth: 1076	Comments:	No. 3	2280	N
Subsurface Photo# 1869	Depth Photo (T) #: 1870	Depth Photo (B) #: 1871	Finish Photo#: 1872	Utility Direction: E/W	SALT CREEK BANK			
703.1	CLAY	N/A	N/A	STAKE	No. 1	2140	S	CURB FACE FENCE
Station #	Pre-Exc. Photo# 1874	Area Photo# (Facing North) 1886	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	2440	SW	RAW W VALVE
Utility: BRINE	Material Type: PVC	Size: 24"	Top Depth: 292	Bottom Depth: 4198	Comments:	No. 3	880	W
Subsurface Photo# 1875	Depth Photo (T) #: 1876	Depth Photo (B) #: 1877	Finish Photo#: 1885	Utility Direction: E/W	BRINE VALVE			

REPORT DATA AND PHOTO LOG

Date: 4/24/20

Customer: EMWD

Project Name: BRINELINE

Technicians:

Location:

No 16141

Vac Truck #: 1

WILLIAM JOSE
MENIFEE

POT HOLE #	703.5	Soil Type:	CLAY	Asphalt Depth:	N/A	Concrete Depth:	N/A	Marker:	STAKE	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:		
Station #		Pre-Exc. Photo#	1878	Area Photo# (Facing North)	1884	Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1	1100	S	CURB FACE FENCE		
Utility:	REC WATER	Material Type:	CONCRETE	Size:	54"	Top Depth:	530	Bottom Depth:	984	Comments:		No. 2	1280	SW	RAW W. VALVE
Subsurface Photo#:	1880	Depth Photo (T) #:	1881	Depth Photo (B) #:	1882	Finish Photo#:	1883	Utility Direction:	E/W			No. 3	1380	NW	BRINE VALVE
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:		
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE		
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:		No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:				No. 3			
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:		
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE		
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:		No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:				No. 3			
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:		
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE		
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:		No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:				No. 3			
POT HOLE #		Soil Type:		Asphalt Depth:		Concrete Depth:		Marker:		Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:		
Station #		Pre-Exc. Photo#		Area Photo# (Facing North)		Slot Trench: Width: _____ x Length _____ x Depth _____				No. 1			CURB FACE		
Utility:		Material Type:		Size:		Top Depth:		Bottom Depth:		Comments:		No. 2			
Subsurface Photo#:		Depth Photo (T) #:		Depth Photo (B) #:		Finish Photo#:		Utility Direction:				No. 3			

Date: 4/27/20

Customer: EMWD

Project Name: BRINELINE

Technicians:

Location:

No 16142

Vac Truck #:

WILLIAM
MENIFEE

JOSE

Underground Solutions, Inc.
170 N. Audreissen, Escondido, CA 92025
760-294-5449 • Fax: 760-291-5190 • www.upothole.com

POTHOLE #	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
703.2	CLAY	N/A	N/A	STAKE	No. 1	1100	E	NON REC CURB FACE WASTE VALVE
Station #	Pre-Exc. Photo# 1887	Area Photo# (Facing North) 1900	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	360	S	NON REC WASTE VALVE
Utility: BRINE	Material Type: WRAPPED PVC	Size: 24"	Top Depth: 262	Bottom Depth: 470	Comments:	No. 3	920	SE
Subsurface Photo#: 1888	Depth Photo (T) #: 1890	Depth Photo (B) #: 1891	Finish Photo#: 1892	Utility Direction: E/W				W VALVE
703.4	CLAY	N/A	N/A	STAKE	No. 1	2100	NW	W CURB FACE VALVE
Station #	Pre-Exc. Photo# 1893	Area Photo# (Facing North) 1899	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	1040	W	RAW W VALVE
Utility: RAW WATER	Material Type: PVC	Size: 24"	Top Depth: 614	Bottom Depth: 820	Comments:	No. 3	1980	N
Subsurface Photo#: 1894	Depth Photo (T) #: 1896	Depth Photo (B) #: 1897	Finish Photo#: 1898	Utility Direction: E/W				NON REC WASTE VALVE
695.1	CLAY	N/A	N/A	STAKE	No. 1	1840	S	CURB FACE
Station #	Pre-Exc. Photo# 1901	Area Photo# (Facing North) 1907	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 2	1120	SE	REC W VALVE
Utility: BRINE	Material Type: PVC	Size: 24"	Top Depth: 962	Bottom Depth: 1170	Comments: MEASUREMENTS TAKEN ON SLOPE. ACTUAL DEPTH MAY VARY.	No. 3	6800	E
Subsurface Photo#: 1903	Depth Photo (T) #: 1904	Depth Photo (B) #: 1905	Finish Photo#: 1906	Utility Direction: E/W				VAULT
POTHOLE #	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 1			CURB FACE
Utility:	Material Type:	Size:	Top Depth:	Bottom Depth:	Comments:	No. 2		
Subsurface Photo#:	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:		No. 3		

REPORT DATA AND PHOTO LOG

Date: 4/30/20

Customer: EMMID

Project Name: BRINE LINE

Technicians:

Location:

NO 16144

Vac Truck #: 5

WILLIAM
MENIFEE

GREGORY

POTHOLE # 646.9	Soil Type: CLAY	Asphalt Depth: N/A	Concrete Depth: N/A	Marker: STAKE	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #	Pre-Exc. Photo# 1935	Area Photo# (Facing North) 1953	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 1	9000	N	STORM CURB FACE DRAIN
Utility: REC. WATER	Material Type: CONCRETE	Size: 54"	Top Depth: 1072	Bottom Depth: N/A	Comments: UNABLE TO CLEAR BEYOND 860, PROBED TO OBTAIN TOP MEASUREMENT	No. 2	2500	NE
Subsurface Photo#: 1936	Depth Photo (T) #: N/A 3467	Depth Photo (B) #: 1952	Finish Photo#:	Utility Direction: NE/SW		No. 3	4620	NE
								REC WATER VALVE
POTHOLE # 646.8	Soil Type: CLAY	Asphalt Depth: N/A	Concrete Depth: N/A	Marker: STAKE	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #	Pre-Exc. Photo# 1938	Area Photo# (Facing North) 1959	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 1	9000	N	STORM CURB FACE DRAIN
Utility: BRINE	Material Type:	Size: 30"	Top Depth: 986	Bottom Depth: N/A	Comments: UNABLE TO CLEAR BEYOND 860, PROBED TO OBTAIN TOP MEASUREMENT	No. 2	2080	NE
Subsurface Photo#: 1939	Depth Photo (T) #: N/A 3467	Depth Photo (B) #: 1954	Finish Photo#:	Utility Direction: NE/SW		No. 3	4460	NE
								REC WATER VALVE
POTHOLE # 646.10	Soil Type: CLAY	Asphalt Depth: N/A	Concrete Depth: N/A	Marker: STAKE	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #	Pre-Exc. Photo# 1941	Area Photo# (Facing North) 1957	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 1	9000	N	STORM CURB FACE DRAIN
Utility: REC WATER	Material Type: PVC	Size: 18"	Top Depth: 444	Bottom Depth: 600	Comments:	No. 2	1900	NE
Subsurface Photo#: 1942	Depth Photo (T) #: 1944	Depth Photo (B) #: 1945	Finish Photo#: 1956	Utility Direction: NE/SW		No. 3	4500	NE
								REC WATER VALVE
POTHOLE # 646.2	Soil Type: N/A	Asphalt Depth: N/A	Concrete Depth: N/A	Marker: STAKE	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
Station #	Pre-Exc. Photo# 1946	Area Photo# (Facing North) 1951	Slot Trench: Width: _____ x Length: _____ x Depth: _____		No. 1	200	E	SMH CURB FACE
Utility: S	Material Type: UNKNOWN	Size: 18"	Top Depth: 2193	Bottom Depth: 2345	Comments:	No. 2		
Subsurface Photo#: 1947	Depth Photo (T) #: 1949	Depth Photo (B) #: 1948	Finish Photo#: 1950	Utility Direction: E/W		No. 3		

REPORT DATA AND PHOTO LOG

Date: 5/6/20

Customer: EMWD

Project Name: BRINELINE

Technicians:

Location:

No 16148

Vac Truck #: 5

WILLIAM GREG
MENIFEE

POTHOLE #	Soil Type:	Asphalt Depth:	Concrete Depth:	Marker:	Physical Tie-Back Information:	Distance (ft)	Direction	FROM EXISTING:
592.1 MAINWAY	CLAY	N/A	N/A	STAKE	No. 1	360	W	CURB FACE
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length _____ x Depth _____		No. 2	2760	SE	IR VALVE
	3283	3287			No. 3	4620	NE	STREET LIGHT
Utility: BENE	MATERIAL TYPE: CONCRETE	Size: 30"	Top Depth: 4'5"	Bottom Depth: N/A	Comments:			
Subsurface Photo#:	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:				
3284	3285	N/A	3286	N/S				
703.3	CLAY	N/A	N/A	STAKE	No. 1	1540	S	EMWD CURB FACE FENCE
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length _____ x Depth _____		No. 2	3240	NW	NON REC W. VALVE
	3288	3292			No. 3	3630	SW	RAW W. VALVE
Utility: REC WATER	MATERIAL TYPE: CONCRETE	Size: 30"	Top Depth: 7'8"	Bottom Depth: N/A	Comments: UNABLE TO GET BOTTOM DEPTH DUE TO IMPENETRABLE SOIL MEASURED PROBE AT 7'8"			
Subsurface Photo#:	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:				
3289	N/A	3290	3291	E/W				
					No. 1			CURB FACE
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length _____ x Depth _____		No. 2			
					No. 3			
Utility:	MATERIAL TYPE:	Size:	Top Depth:	Bottom Depth:	Comments:			
Subsurface Photo#:	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:				
					No. 1			CURB FACE
Station #	Pre-Exc. Photo#	Area Photo# (Facing North)	Slot Trench: Width: _____ x Length _____ x Depth _____		No. 2			
					No. 3			
Utility:	MATERIAL TYPE:	Size:	Top Depth:	Bottom Depth:	Comments:			
Subsurface Photo#:	Depth Photo (T) #:	Depth Photo (B) #:	Finish Photo#:	Utility Direction:				



PICTURE THUMBNAILS



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 584.1



Pre-Excavation Photo



Subsurface Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 584.2



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Finish Photo



Area Photo

Pothole: 584.3



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 584.5



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo

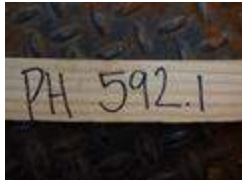


Finish Photo



Area Photo

Pothole: 592.1



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 592.1



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



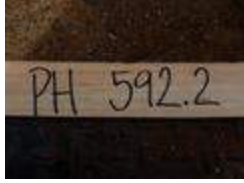
Underground Solutions, Inc.

120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 592.2



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 592.3



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 592.4

Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 600.1

Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 600.2



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 600.3



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.

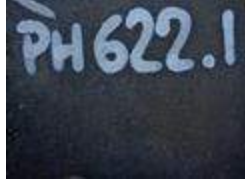


Underground Solutions, Inc.
 120 N. Andreasen Dr. Escondido, CA 92029
 (760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 622.1



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 622.2



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.

120 N. Andreasen Dr. Escondido, CA 92029

(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 622.3



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 622.4



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.

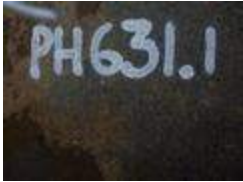


Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 631.1



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 631.2



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.

120 N. Andreasen Dr. Escondido, CA 92029

(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 631.4



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 646.1



Pre-Excavation Photo



Subsurface Photo



Finish Photo



Area Photo

Pothole: 646.10



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 646.2



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Finish Photo

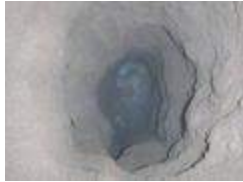


Area Photo

Pothole: 646.3



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 646.4



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
 120 N. Andreasen Dr. Escondido, CA 92029
 (760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 646.5



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 646.8



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Finish Photo



Area Photo

Pothole: 646.9



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 676.1



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 676.2



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
 120 N. Andreasen Dr. Escondido, CA 92029
 (760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 676.3



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 688.1



Pre-Excavation Photo



Subsurface Photo



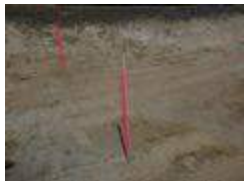
Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 688.2

Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 688.3

Pre-Excavation Photo



Subsurface Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 688.4

Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 688.6



Pre-Excavation Photo



Subsurface Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 695.1



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 696.1



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.

120 N. Andreasen Dr. Escondido, CA 92029

(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 696.2 (Dip)



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo

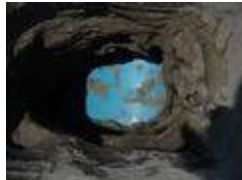


Area Photo

Pothole: 703.1



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: 703.2



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: 703.3



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Finish Photo



Area Photo

Pothole: 703.4



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



Underground Solutions, Inc.
120 N. Andreasen Dr. Escondido, CA 92029
(760) 294-9449 • Fax (760) 294-9490 • www.usipothole.com

Thumbnail Report

Customer	Eastern Municipal Water District
Project	Brine Pipeline IMP
Location	Menifee, CA
Date	May 27, 2020

Pothole: **703.5**



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Bottom Depth Photo



Finish Photo



Area Photo

Pothole: **MWPH 1**



Pre-Excavation Photo



Subsurface Photo



Top Depth Photo



Finish Photo



Area Photo

The data on this report is intended for informational purposes only. In no way should any of the information presented here be a substitute for professional engineering and design.



LEGENDS



* UTILITY TYPE

* MATERIAL TYPE

Utility Types

AV	Air Vac
B/O	Blow Off
BL	Brine Line
C/O	Clean Out
CATV	Cable Television
CATV/MH	Cable Television Manhole
CHW	Chilled Water
COMM	Communication
DBW	Direct Bury Wire
DRY HOLE	No Utility
E	Electrical
E/MH	Electrical Manhole
F	Fuel
F/O	Fiber Optic
F/O/MH	Fiber Optic Manhole
FH	Fire Hydrant
FM	Force Main
FO	Fuel Oil
G	Gas
HH	Hand Hole
ICV	Irrigation Control Valve
IRR	Irrigation
MH	Manhole
O	Oil
PETRO	Petroleum
RD	Roof Drain
RW	Reclaimed Water
S/MH	Sewer Manhole
SD	Storm Drain
SD/MH	Storm Drain Manhole
STLT	Street Light
SWR	Sewer
T	Telephone
T/MH	Telephone Manhole
T/S	Traffic Signal
UNK	Unknown
VV	Valve Vault
W	Water
WM	Water Meeter
WS	Water Service
WV	Water Valve

Material Types

ABS	Acrylonitrile-Butadiene-Styrene
ACP	Asbestos Cement Pipe
CAP	Corrugated Aluminum Pipe
CIP	Cast Iron Pipe
CIPP	Cast in Place Pipe
CLMP	Concrete Lined Metal Pipe
CMP	Concrete Metal Pipe
COPP	Copper
CPVC	Corrugated PVC
CSP	Corrugated Steel Pipe
DB	Direct Bury
DIP	Ductile Iron Pipe
ENC	Encasement
GIP	Galvanized Iron Pipe
MLC	Mortar Lined Concrete
MTD	Multiple Tile Duct
PE	Poly
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
STL	Steel
STLCS	Steel Casing
VALVE	Valve
VCP	Vitrified Clay Pipe
WIRE	Wire
WSTL	Wrapped Steel Pipe

