



**UTILITY LOCATING
POTHOLE DEPTH
REPORT BTL 6-4-1100
R-1842**

**SPECIALLY PREPARED
FOR:**



PROJECT SITE:

Fremont, California

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Pothole Tabulation Sheet for ARB

Locating Methods: (PH - Pothole); (GPR - Ground Penetrating Radar); (EP - Electronic Probing via Radio/ RF Detection, Magnetic Detection, PCM and others)

Pothole No.	Locating Method	Utility Type	Utility Material	Utility Diameter (in)	Soil Type	Paving Type	Paving Thickness (in)	Utilit Depth (in)	Notes
1	SLOT TRENCH	Electric	PVC	2"	Dirt	Grass/Dirt	N/A	27"	Utility traveling NW-SE There is ground water and drain rock at 96"
2	SLOT TRENCH	Electric	PVC	2"	Dirt	Grass/Dirt	N/A	30"	Utility traveling NW-SE Also found 3/4" pvc irrigation at 18"
1	PH	Water	Plastic	1"	Dirt	Asphalt	12"	44"	Utility traveling NE-SW There is sand at 45". There is ground water at 65". Wasn't able to get the gas due to the cave in at 65".
2	PH	Gas	N/A	Dry Hole	Compacte Base Rock	Asphalt	16"	See Notes	Unable to expose utility due to slurry at 16" Transverse
2A	PH	Gas	N/A	Dry Hole	Dirt	Asphalt	12"	See Notes	Was able to clear 240". Heavy ground water coming in at 140" Sand at 85"
3	PH	Electric	N/A	Dry Hole	Dirt	Asphalt	12"	See Notes	Could not expose electric utility due to heavy ground water coming in at 60". Was able to expose 30" steel gas line. Gas at 52"
4	PH	Gas	N/A	Dry Hole	Compacte Base Rock	Asphalt	13"	See Notes	Could not expose utility due to cave in at 90". There is also drain rock at 65". Found the culvert Top at 13" Bottom at 90"
5	PH	Gas	N/A	Dry Hole	Compacte Base Rock	Asphalt	12"	See Notes	Could not expose utility due to cave in and ground water coming in at 90".

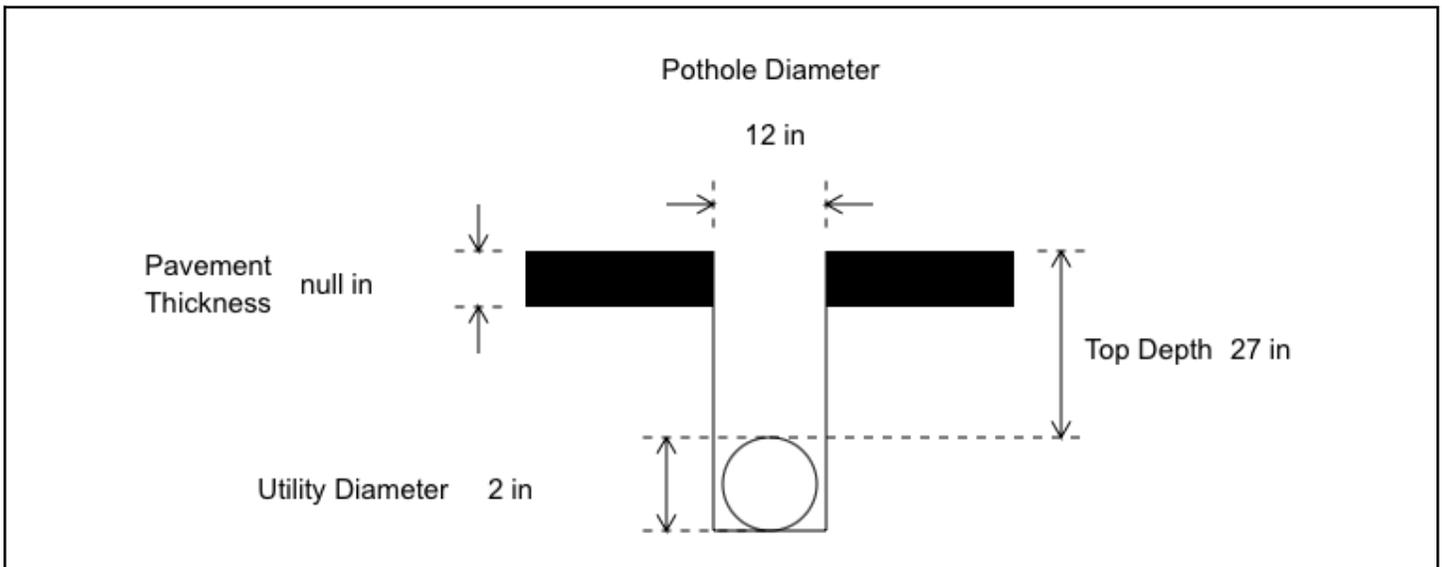
Pothole No.	Locating Method	Utility Type	Utility Material	Utility Diameter (in)	Soil Type	Paving Type	Paving Thickness (in)	Utilit Depth (in)	Notes
6	PH	Gas	Steel	30"	Dirt	Asphalt	12"	127"	Utility traveling NW-SE Top of culvert at 12" Bottom of culvert at 91" There is ground water at 110"
6	PH	Gas	N/A	Dry Hole	Dirt	Asphalt	12"	See Notes	Unable to expose utility due to the soil that keeps in at 85". Also hit ground water at 85". Was able to probe and feel the utility at 150".
6A	PH	Gas	N/A	Dry Hole	Dirt	Asphalt	12"	See Notes	Unable to expose utility due to the soil that keeps in at 85". Also hit ground water at 85".
6B	PH	Gas	N/A	Dry Hole	Dirt	Asphalt	12"	See Notes	Unable to expose utility due to the soil that keeps in at 85". Also hit ground water at 85". Was able to probe and feel something at 150".
7	PH	Gas	N/A	Dry Hole	Compacted Base Rock	Asphalt	11"	See Notes	Could not expose utility due to cave in at 60". There is drain rock at 40".
8	PH	Gas	N/A	Dry Hole	Dirt	Asphalt	6"	See Notes	There is drain rock at 44". Could not expose utility due to cave in at 69".
9	PH	Gas	Steel	30"	Dirt	Asphalt	6"	52"	Utility traveling NW-SE
10	PH	Gas	Steel	30"	Dirt	Asphalt	6"	55"	Utility traveling NW-SE There is ground water coming in at 65"
11	PH	Gas	Steel	30"	Dirt	Asphalt	11"	49"	Utility traveling Nw-SE
12	PH	Gas	N/A	Dry Hole	Compacted Base Rock	Asphalt	12"	See Notes	Could not expose utility due to cave in at 70". Also ground water at 70".

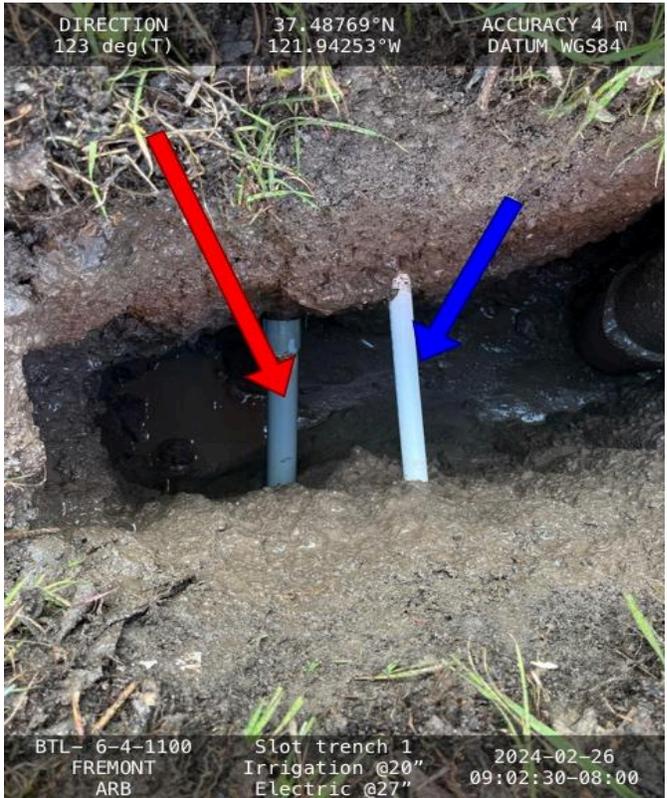
Pothole No.	Locating Method	Utility Type	Utility Material	Utility Diameter (in)	Soil Type	Paving Type	Paving Thickness (in)	Utilit Depth (in)	Notes
13	PH	Gas	Steel	30"	Compacted Base Rock	Asphalt	12"	72"	Utility is at 72" and starts diving down to go under the culvert. Utility traveling from southeast and at the dive it bends north. Could not get a good picture due to debris caving in at 60". There is ground water at 67".
14	PH	Gas	N/A	Dry Hole	Compacted Base Rock	Asphalt	12"	See Notes	Dug on USA marks and cleared 241". Fanned out to both sides. There is ground water coming in at 140"
14B	PH	Gas	N/A	Dry Hole	Compacted Base Rock	Asphalt	12"	See Notes	Redid pothole 14 but went 3' Northwest & 3' southeast. Dug on USA marks and cleared 234". Cleared 234".
15	PH	Electric	PVC	6"	Compacted Base Rock	Asphalt	4"	151"	Utility traveling E-W There is ground water coming in at 90"
16	PH	Gas	N/A	Dry Hole	Compacted Base Rock	Asphalt	12"	See Notes	Could not expose utility due to cave in at 69" Ground water at 60"
17	PH	Gas	Steel	36"	Compacted Base Rock	Asphalt	14"	132"	Utility traveling NW-SE
18	PH	Gas	PVC	36"	Compacted Base Rock	Asphalt	14"	131"	Utility traveling NW-SE There is slurry from the bottom of the asphalt all the way to the top of pipe.
19	PH	Gas	N/A	Dry Hole	Compacted Base Rock	Asphalt	17"	See Notes	Could not expose the gas due to cave in and ground water at 110". Found the 12" water at 88".
22	PH	Gas	Steel	30"	Compacted Base Rock	Asphalt	12"	53"	Utility traveling NW-SE Utility starts to dive down at this location.

Potholing Form

Date	2024-02-26	Pothole Number	Slot trench 1-electric	Utility Type	Electric
Material Type	Pvc	Surface Type	Grass/Dirt	Core Drill Type	No Core Drill
Soil Type	Dirt	In a Duct?	No		
Swing Tie 1					
From face of curb 72" northeast to top of pipe					
Swing Tie 2					
From fence line 280 southwest to top of pipe					
Swing Tie 3					
Notes					
Utility traveling NW-SE					
There is ground water and drain rock @96"					

Transverse View

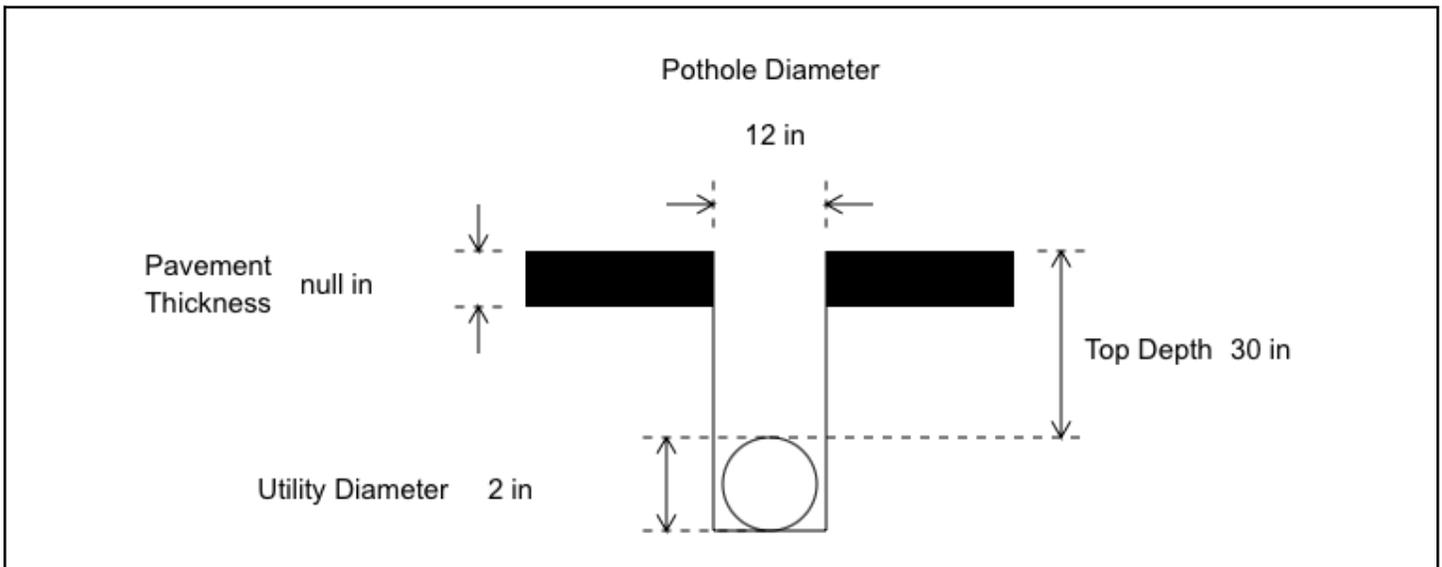




Potholing Form

Date	2024-02-26	Pothole Number	Slot trench 2-electric	Utility Type	Electric
Material Type	Pvc	Surface Type	Grass/Dirt	Core Drill Type	No Core Drill
Soil Type	Dirt	In a Duct?	No		
Swing Tie 1					
From fence line 41" southwest to top of pipe					
Swing Tie 2					
From water valve 15" southeast to top of pipe					
Swing Tie 3					
Notes					
Utility traveling NW-SE					
Also found 3/4" pvc irrigation @18"					

Transverse View





Potholing Form

Date 2024-02-14	Pothole Number 1	Utility Type Water
Material Type Plastic	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Dirt	In a Duct? No	

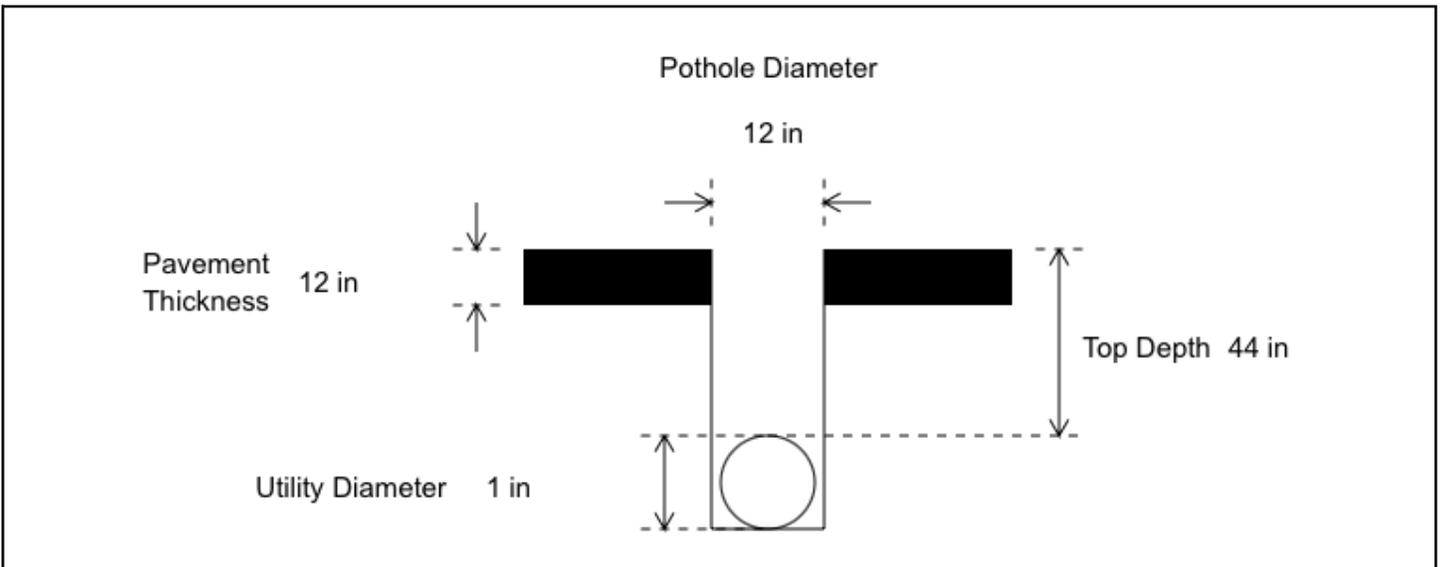
Swing Tie 1
From center of water valve 258" northeast to center of pothole

Swing Tie 2
From face of curb 60" southwest to center of pothole

Swing Tie 3

Notes
Utility traveling NE-SW
There is sand @45".
There is ground water @65".
Wasn't able to get the gas due to the cave in @65".

Transverse View

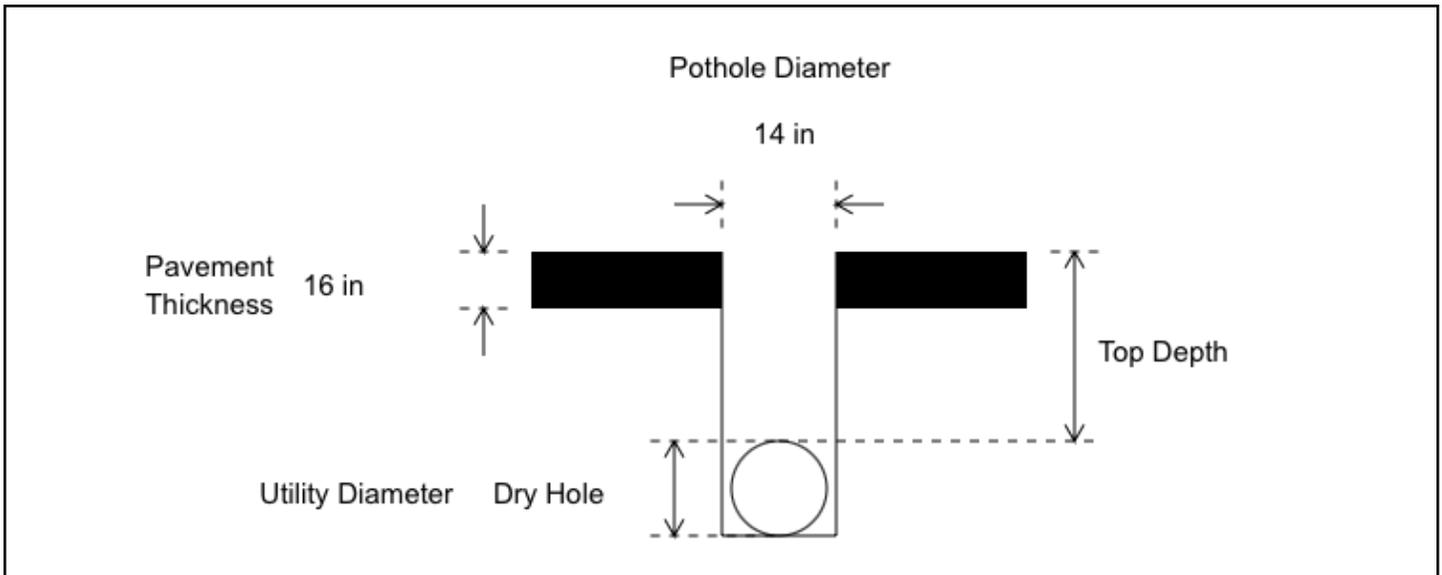




Potholing Form

Date 2024-02-14	Pothole Number 2	Utility Type Gas
Material Type N/A	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From water valve 235" southeast to center of pothole		
Swing Tie 2 From face of curb 65" southwest to center of pothole		
Swing Tie 3		
Notes Unable to expose utility due to slurry @ 16"		

Transverse View

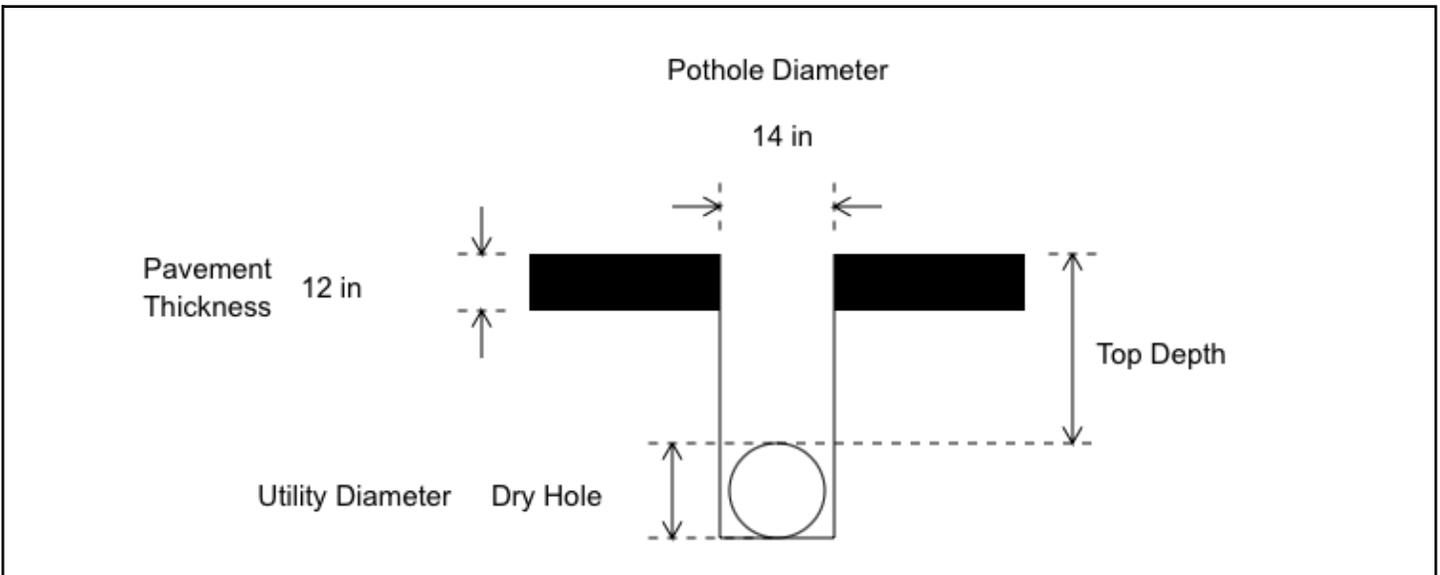




Potholing Form

Date 2024-02-16	Pothole Number 2A	Utility Type Gas
Material Type N/A	Surface Type Asphalt	Core Drill Type No Core Drill
Soil Type Dirt	In a Duct? No	
Swing Tie 1 From face of curb 120" southwest to center of pothole		
Swing Tie 2 From center of water valve 270" south to center of pothole		
Swing Tie 3		
Notes Was able to clear 240". Heavy ground water coming in @140" Sand @85"		

Transverse View

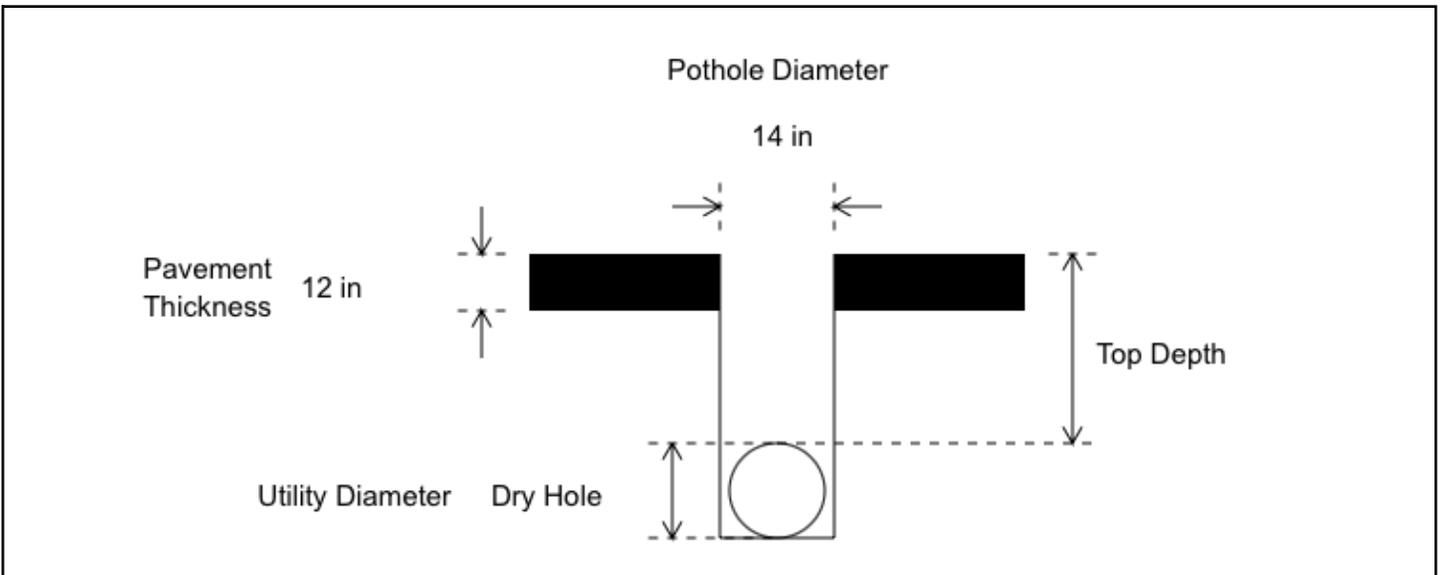


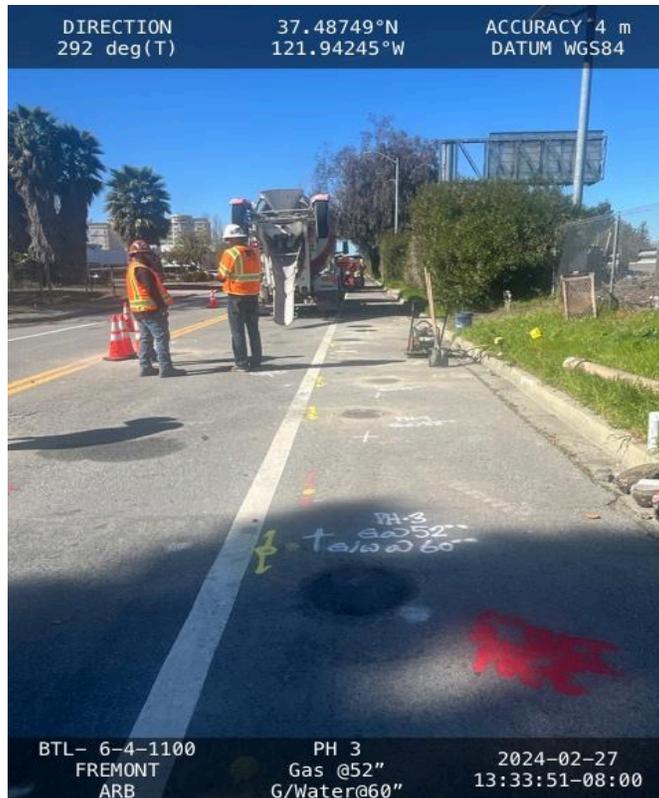


Potholing Form

Date	2024-02-16	Pothole Number	3	Utility Type	Electric
Material Type	N/A	Surface Type	Asphalt	Core Drill Type	Core Drill Asphalt
Soil Type	Dirt	In a Duct?	No		
Swing Tie 1					
From face of curb 65" southwest to center of pothole					
Swing Tie 2					
From center of water valve 335" northeast to center of pothole					
Swing Tie 3					
Notes					
Could not expose electric utility due to heavy ground water coming in @60". Was able to expose 30" steel gas line. Gas @52"					

Transverse View

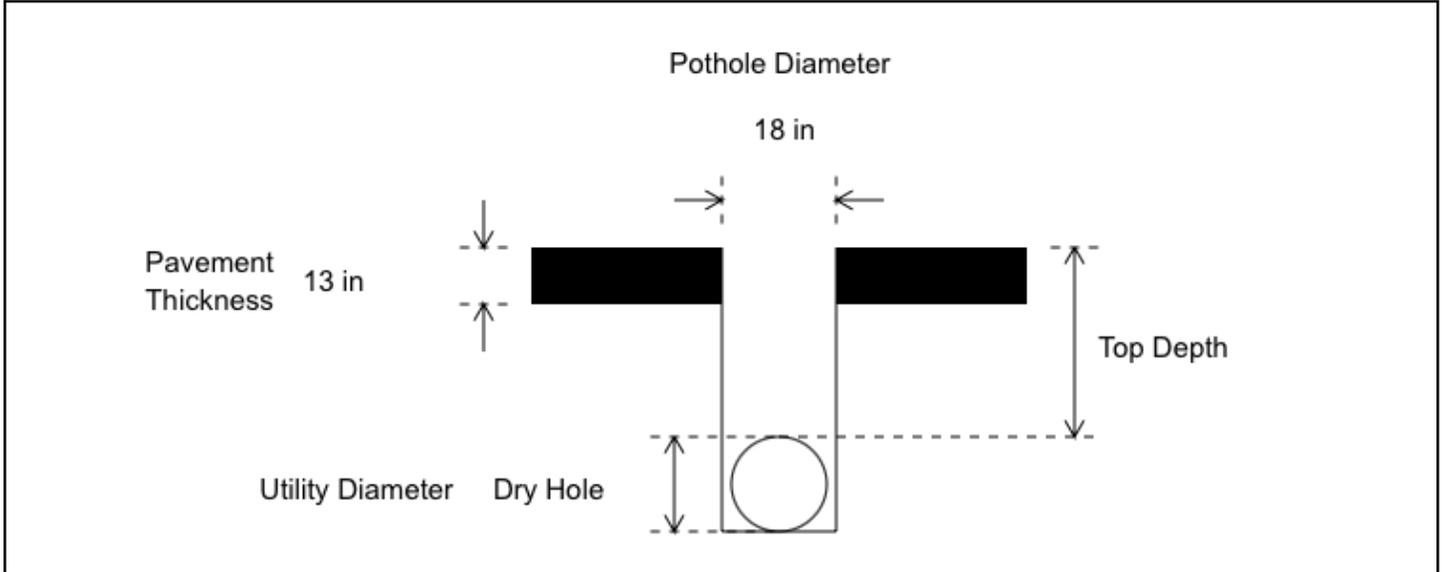




Potholing Form

Date 2024-02-21	Pothole Number 4	Utility Type Gas
Material Type N/A	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From face of curb 255" southwest to center of pothole		
Swing Tie 2 From center of cctv box 270" east to center of pothole		
Swing Tie 3		
Notes <div style="text-align: right; padding-right: 20px;"> <p>Could not expose utility due to cave in @90".</p> <p>There is also drain rock @65".</p> <p>Found the culvert</p> <p>Top@13"</p> <p>Bottom@90"</p> </div>		

Transverse View

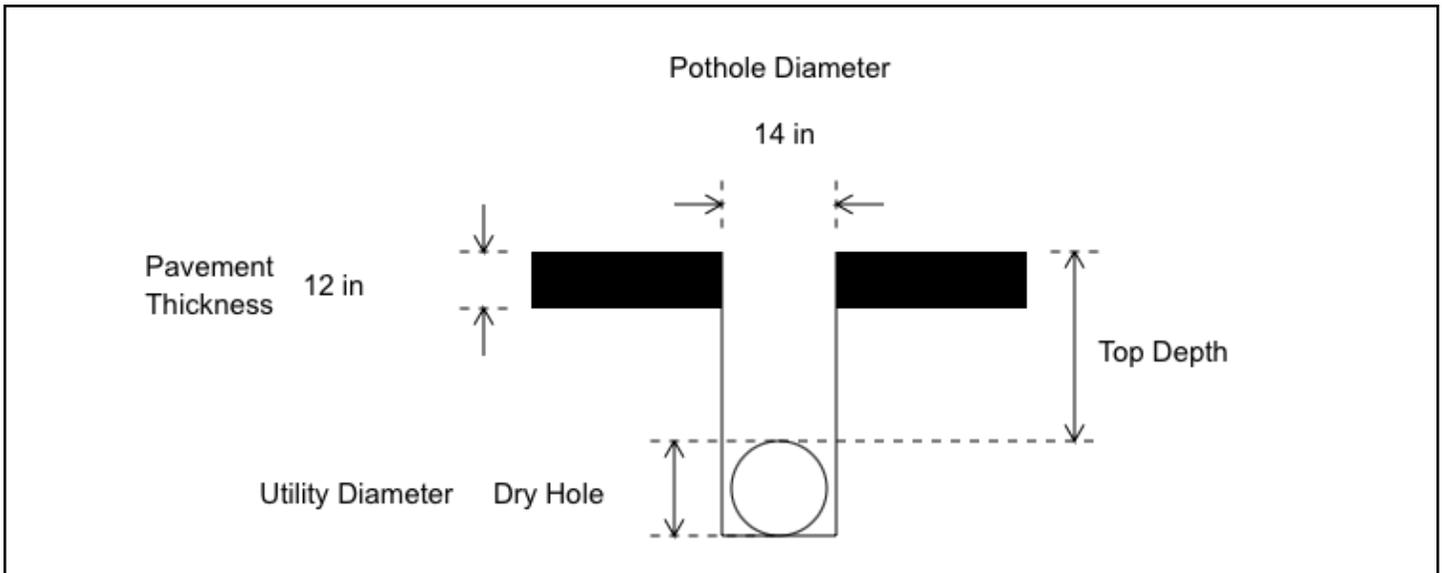




Potholing Form

Date 2024-02-20	Pothole Number 5	Utility Type Gas
Material Type N/A	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From face of curb 180" southwest to center of pothole		
Swing Tie 2 From center of cctv box 362" east to center of pothole		
Swing Tie 3		
Notes Could not expose utility due to cave in and ground water coming in @90".		

Transverse View

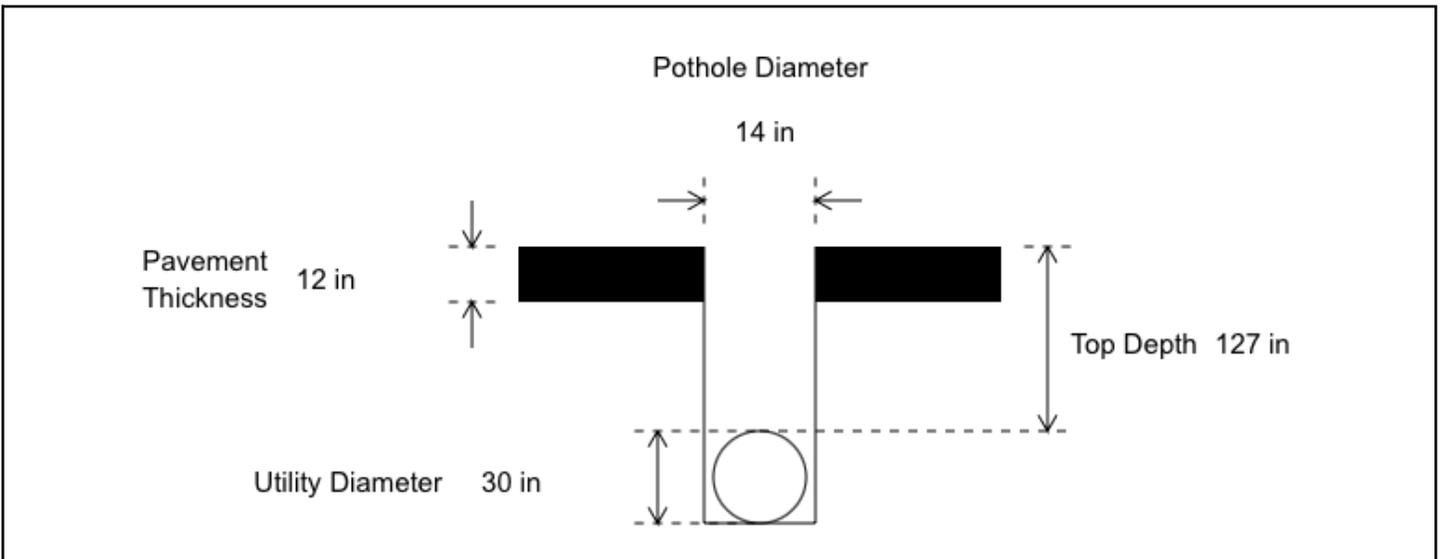




Potholing Form

Date 2024-02-15	Pothole Number 6	Utility Type Gas
Material Type Steel	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Dirt	In a Duct? No	
Swing Tie 1 From face of curb 72" southwest to center of pothole		
Swing Tie 2 From light pole 592" southeast to center of pothole		
Swing Tie 3		
Notes Utility traveling NW-SE Top of culvert @12" Bottom of culvert @91" There is ground water @110"		

Transverse View



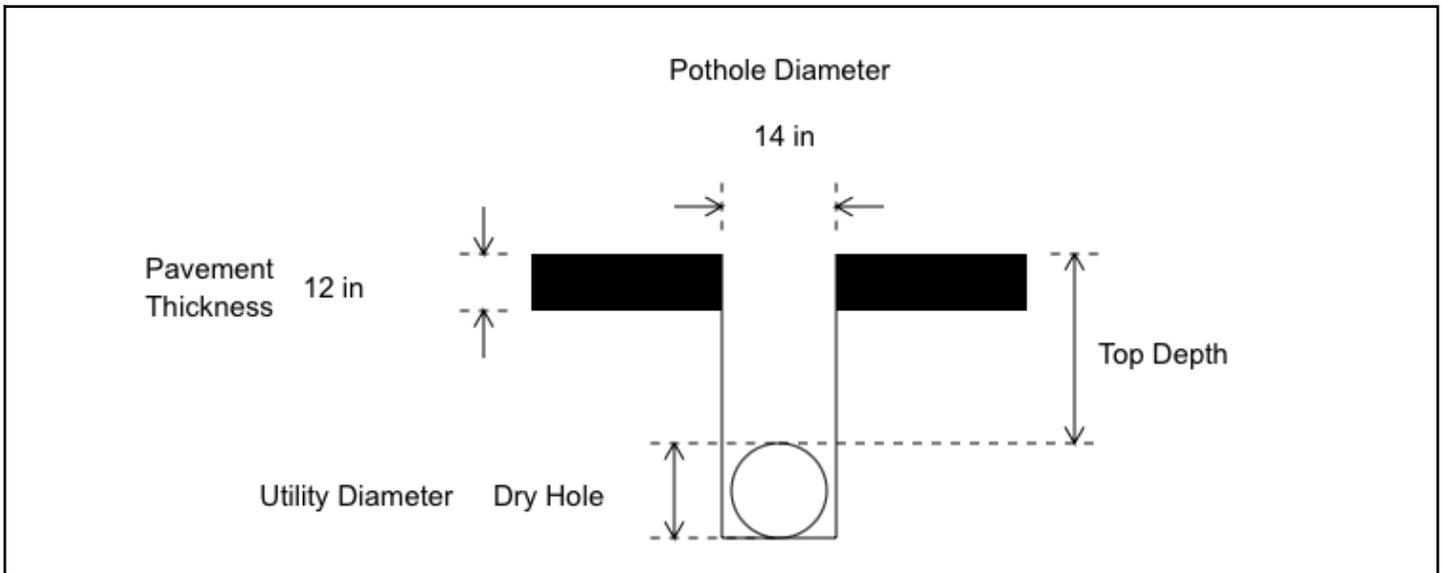




Potholing Form

Date 2024-02-14	Pothole Number 6	Utility Type Gas
Material Type N/A	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Dirt	In a Duct? No	
Swing Tie 1 From light pole 557" southeast to center of oothole		
Swing Tie 2 From face of curb 72" southwest to center of pothole		
Swing Tie 3		
Notes Unable to expose utility due to the soil that keeps caving in @85". Also hit ground water @85". Was able to probe and feel the utility @150".		

Transverse View

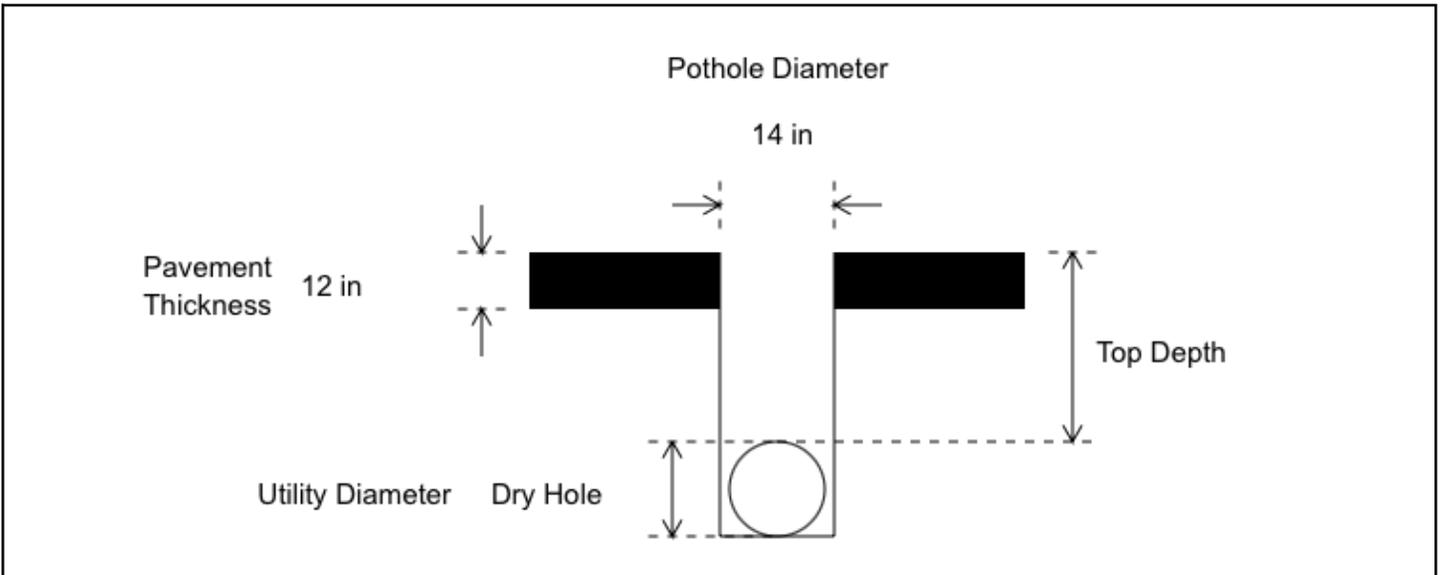


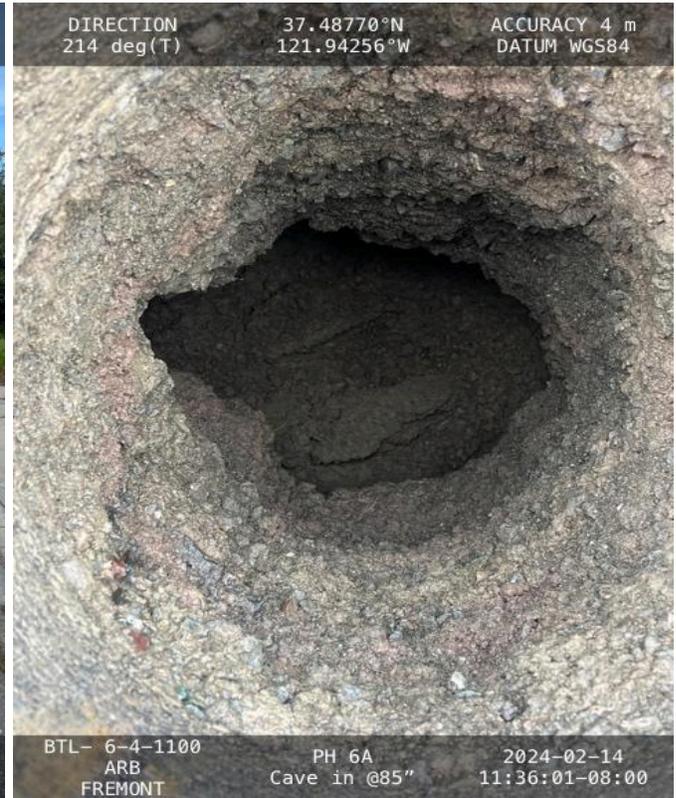


Potholing Form

Date	2024-02-15	Pothole Number	6A	Utility Type	Gas
Material Type	N/A	Surface Type	Asphalt	Core Drill Type	Core Drill Asphalt
Soil Type	Dirt	In a Duct?	No		
Swing Tie 1					
From face of curb 72" southwest to center of pothole					
Swing Tie 2					
From light pole 497" southeast to center of pothole					
Swing Tie 3					
Notes					
Unable to expose utility due to the soil that keeps caving in @85".					
Also hit ground water @85".					

Transverse View

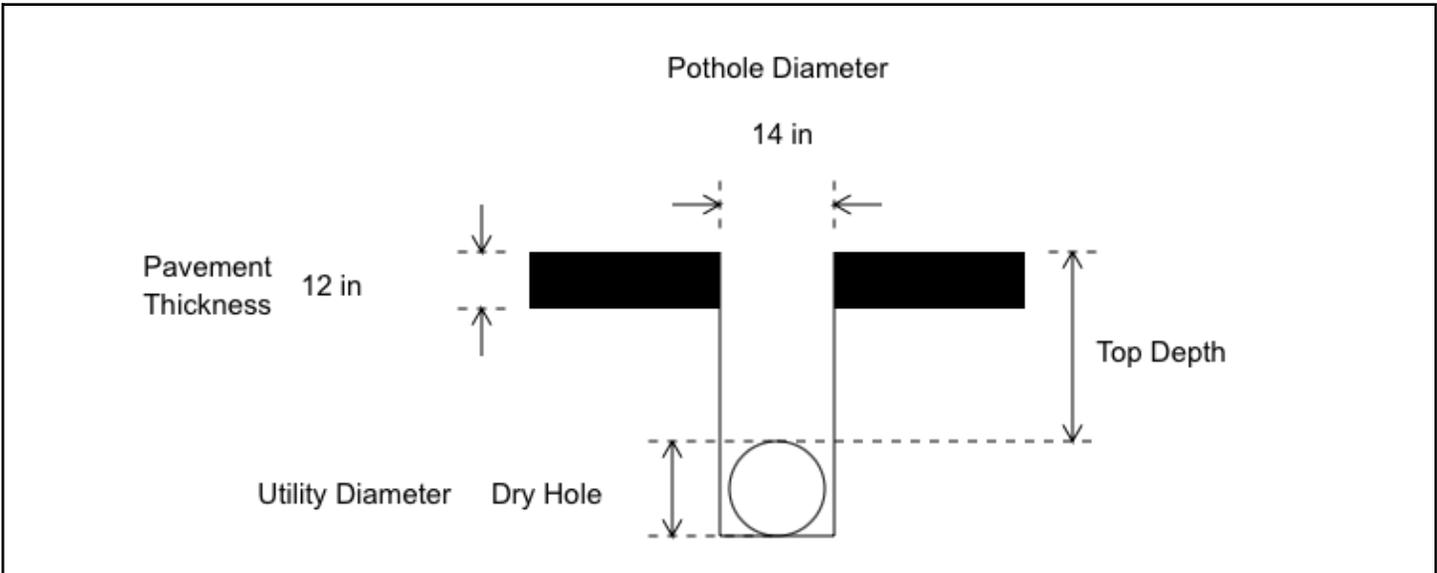


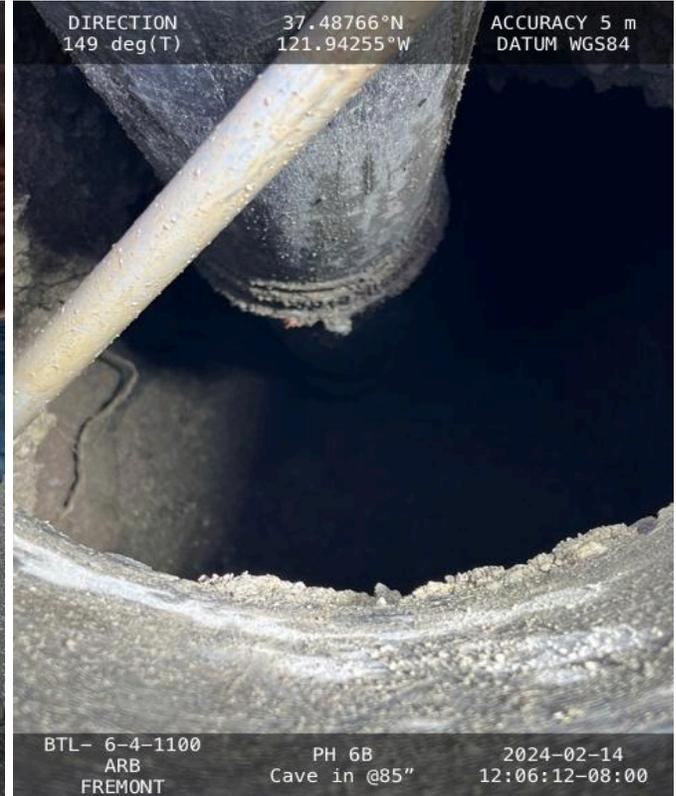


Potholing Form

Date 2024-02-14	Pothole Number 6B	Utility Type Gas
Material Type N/A	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Dirt	In a Duct? No	
Swing Tie 1 From light pole 557" southeast to center of oothole		
Swing Tie 2 From face of curb 72" southwest to center of pothole		
Swing Tie 3		
Notes Unable to expose utility due to the soil that keeps caving in @85". Also hit ground water @85". Was able to probe and feel something @150".		

Transverse View

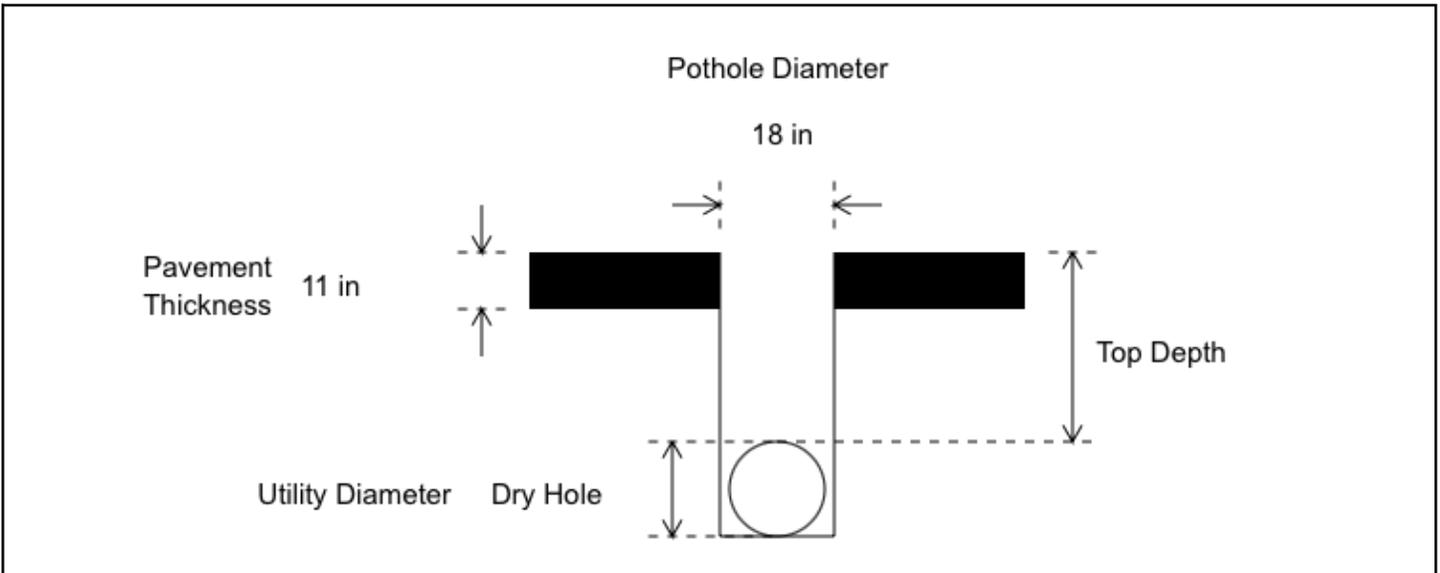


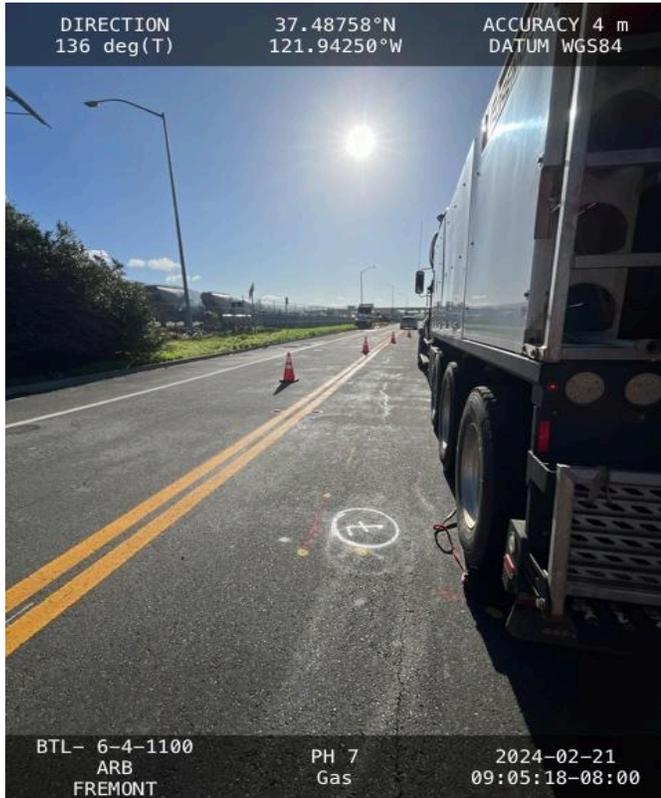


Potholing Form

Date	2024-02-21	Pothole Number	7	Utility Type	Gas
Material Type	N/A	Surface Type	Asphalt	Core Drill Type	Core Drill Asphalt
Soil Type	Compact Base Rock	In a Duct?	No		
Swing Tie 1					
From face of curb 270" southwest to center of pothole					
Swing Tie 2					
From center of cctv box 175" northeast to center of pothole					
Swing Tie 3					
Notes					
Could not expose utility due to cave in @60".					
There is drain rock @40".					

Transverse View

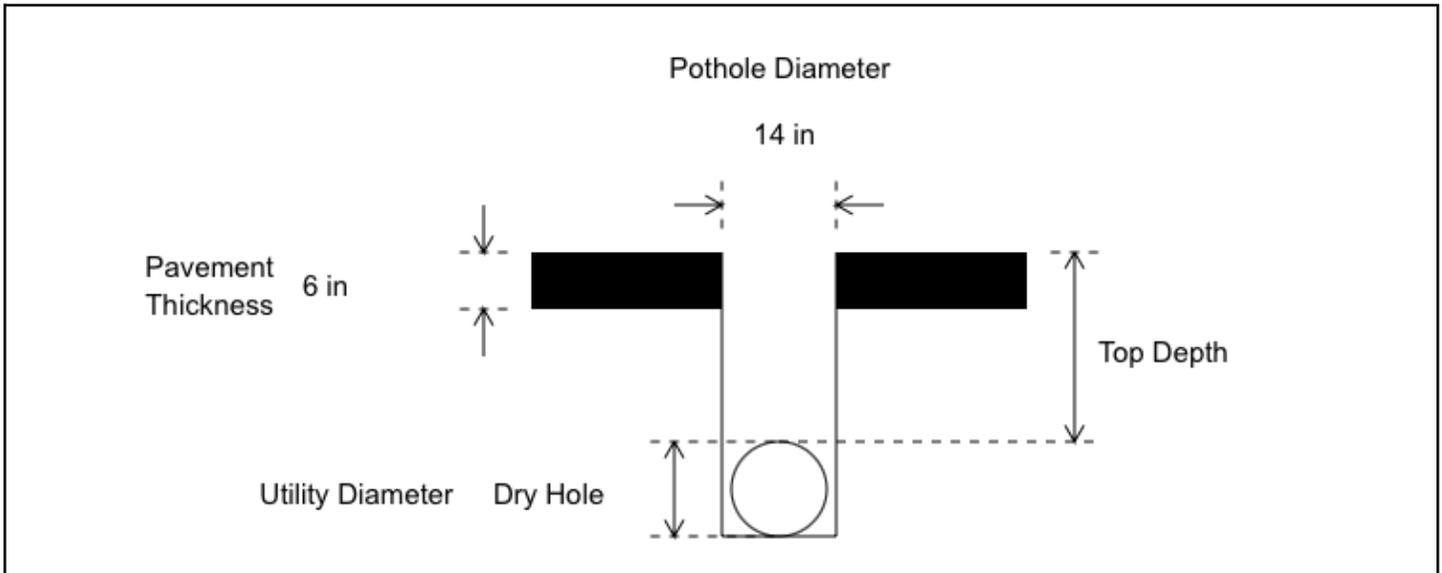




Potholing Form

Date 2024-02-16	Pothole Number 8	Utility Type Gas
Material Type N/A	Surface Type Asphalt	Core Drill Type No Core Drill
Soil Type Dirt	In a Duct? No	
Swing Tie 1 From face of curb 96" southwest to center of pothole		
Swing Tie 2 From center of water meter 328" north to center of pothole		
Swing Tie 3		
Notes There is drain rock @44". Could not expose utility due to cave in @69".		

Transverse View

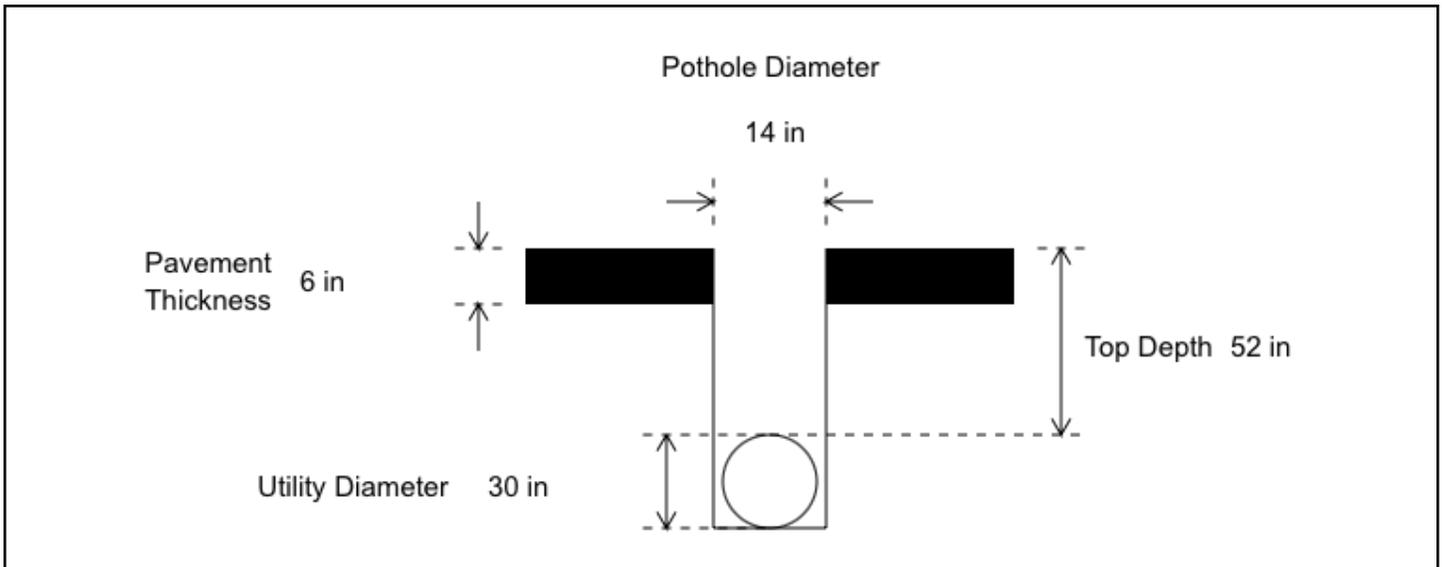


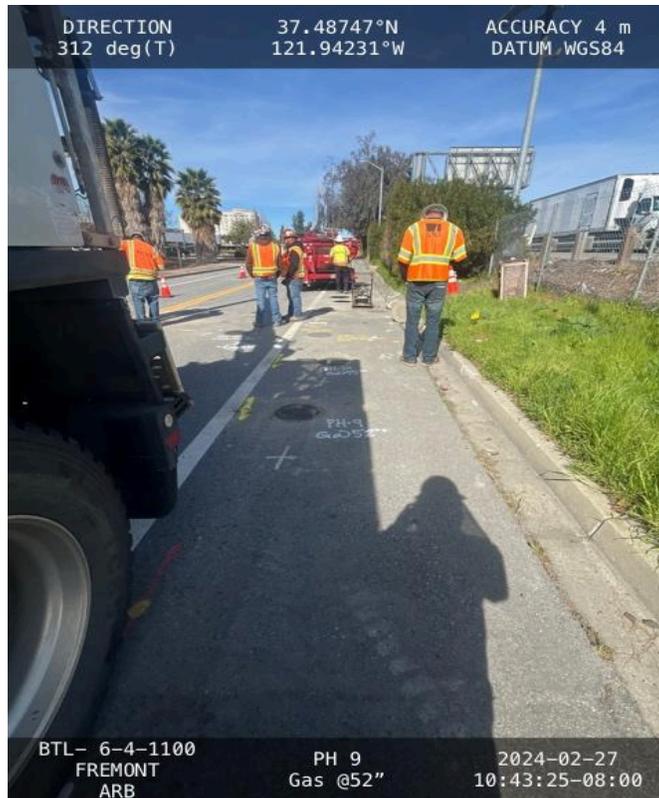


Potholing Form

Date	2024-02-20	Pothole Number	9	Utility Type	Gas
Material Type	Steel	Surface Type	Asphalt	Core Drill Type	Core Drill Asphalt
Soil Type	Dirt	In a Duct?	No		
Swing Tie 1					
From face of curb 60" southwest to center of pothole					
Swing Tie 2					
From water valve 425" southeast to center of pothole					
Swing Tie 3					
Notes					
Utility traveling NW-SE					

Transverse View

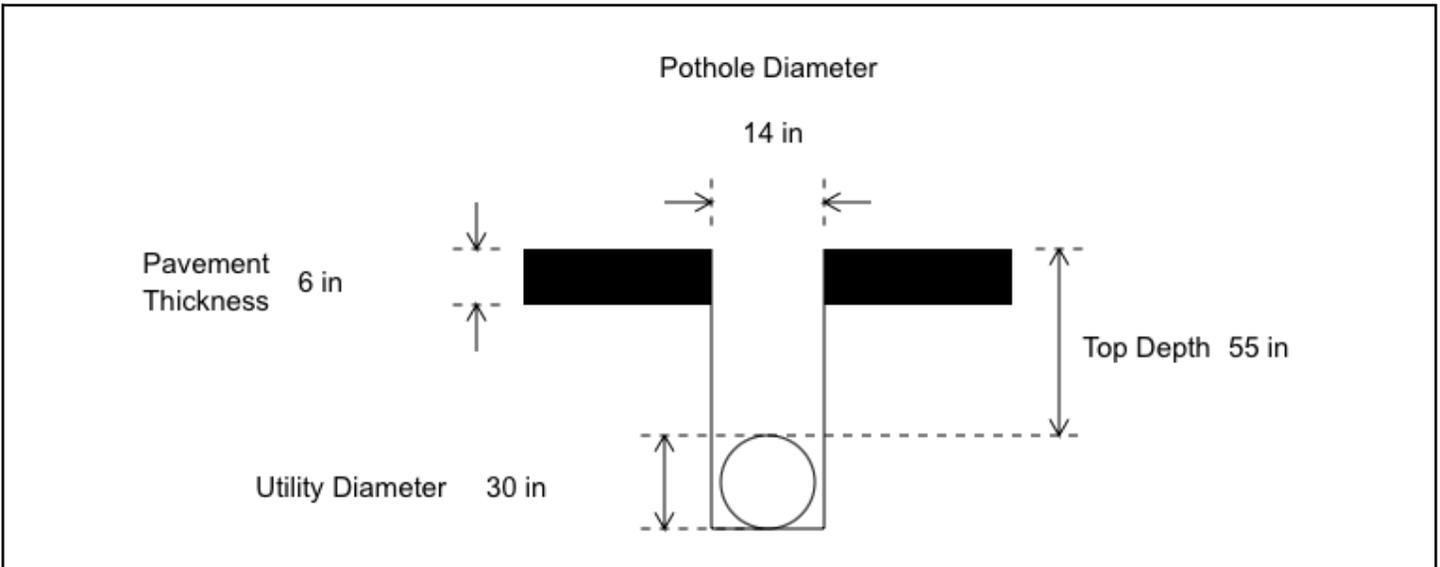




Potholing Form

Date 2024-02-20	Pothole Number 10	Utility Type Gas
Material Type Steel	Surface Type Asphalt	Core Drill Type No Core Drill
Soil Type Dirt	In a Duct? No	
Swing Tie 1 From face of curb 60" southwest to center of pothole		
Swing Tie 2 From water valve 355" southeast to center of pothole		
Swing Tie 3		
Notes Utility traveling NW-SE There is ground water coming in @65"		

Transverse View

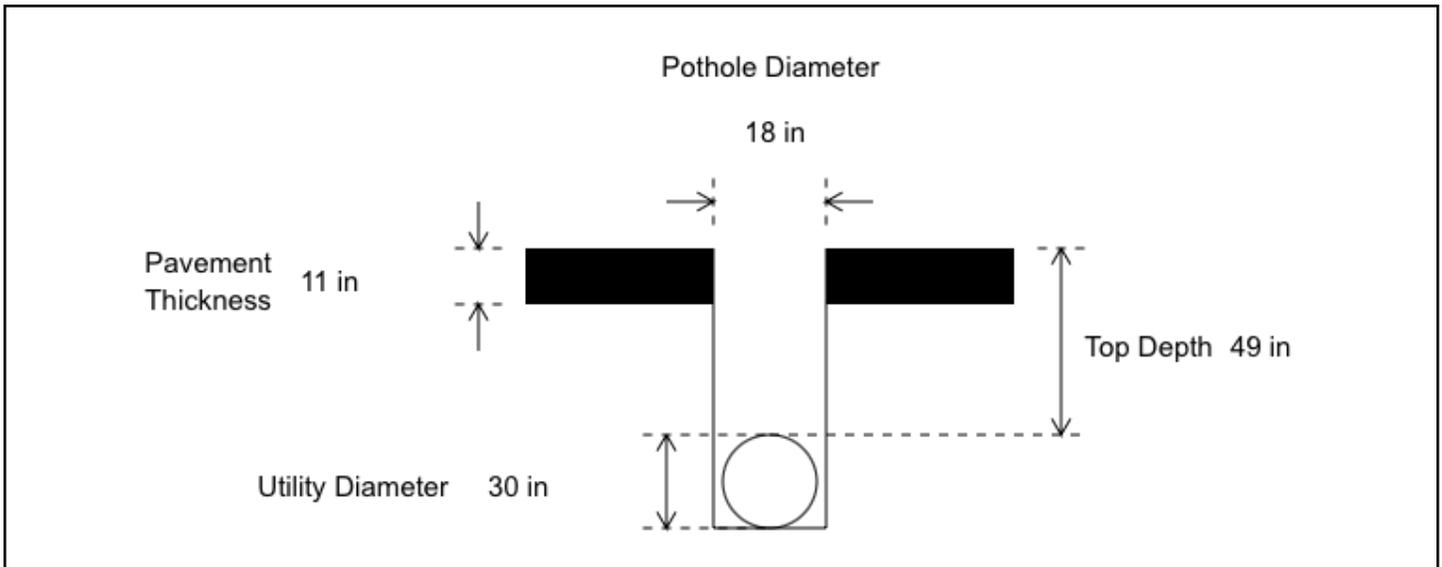


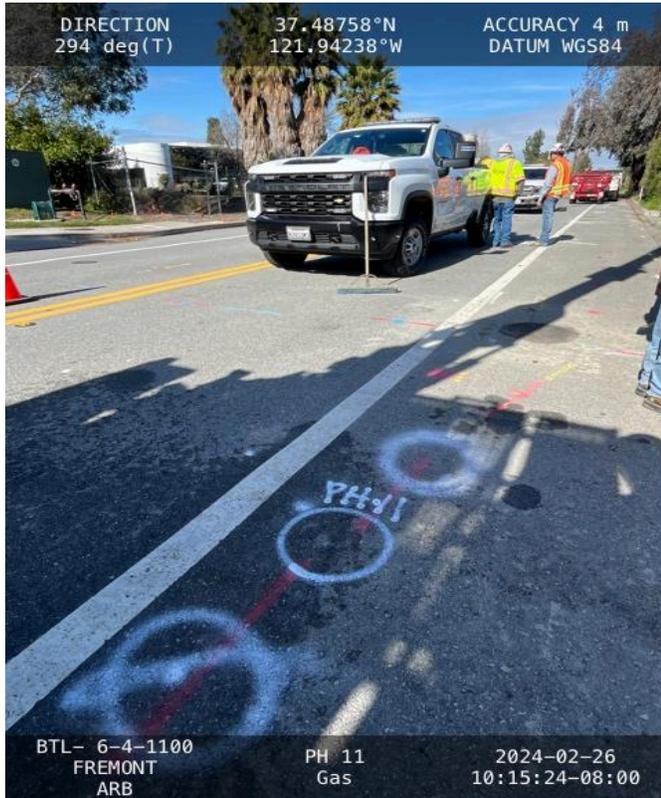


Potholing Form

Date	2024-02-26	Pothole Number	11	Utility Type	Gas
Material Type	Steel	Surface Type	Asphalt	Core Drill Type	Core Drill Asphalt
Soil Type	Dirt	In a Duct?	No		
Swing Tie 1					
From face of curb 70" southwest to center of pothole					
Swing Tie 2					
From center of water valve 286" east to center of pothole					
Swing Tie 3					
Notes					
Utility traveling Nw-SE					

Transverse View

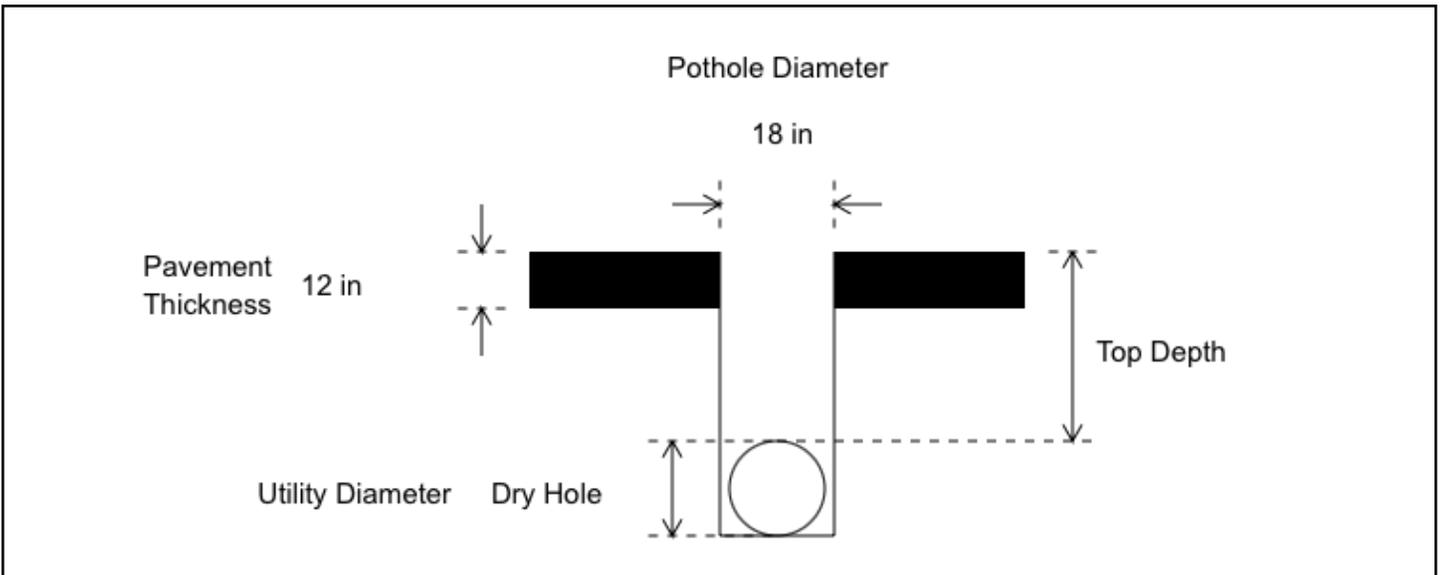




Potholing Form

Date 2024-02-26	Pothole Number 12	Utility Type Gas
Material Type N/A	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From light pole 412" southeast to center of pothole		
Swing Tie 2 From face of curb 26" southwest to center of pothole		
Swing Tie 3		
Notes Could not expose utility due to cave in @70". Also ground water @70".		

Transverse View





DIRECTION 320 deg(T) 37.48768°N 121.94254°W ACCURACY 4 m DATUM WGS84

BTL- 6-4-1100
FREMONT
ARB

PH 12
Gas

2024-02-26
11:27:33-08:00

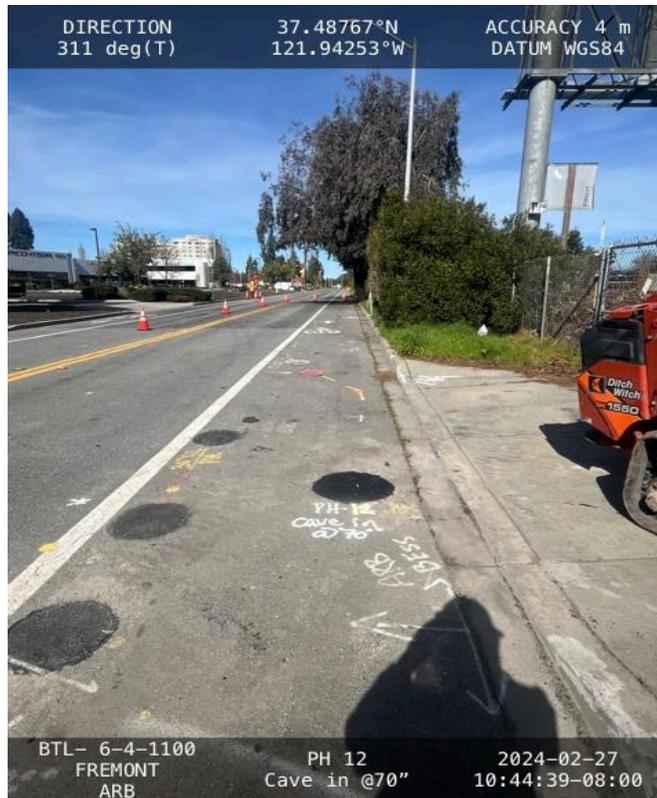


DIRECTION 271 deg(T) 37.48771°N 121.94253°W ACCURACY 4 m DATUM WGS84

BTL- 6-4-1100
FREMONT
ARB

PH 12
Cave in @70"

2024-02-26
11:51:43-08:00



DIRECTION 311 deg(T) 37.48767°N 121.94253°W ACCURACY 4 m DATUM WGS84

BTL- 6-4-1100
FREMONT
ARB

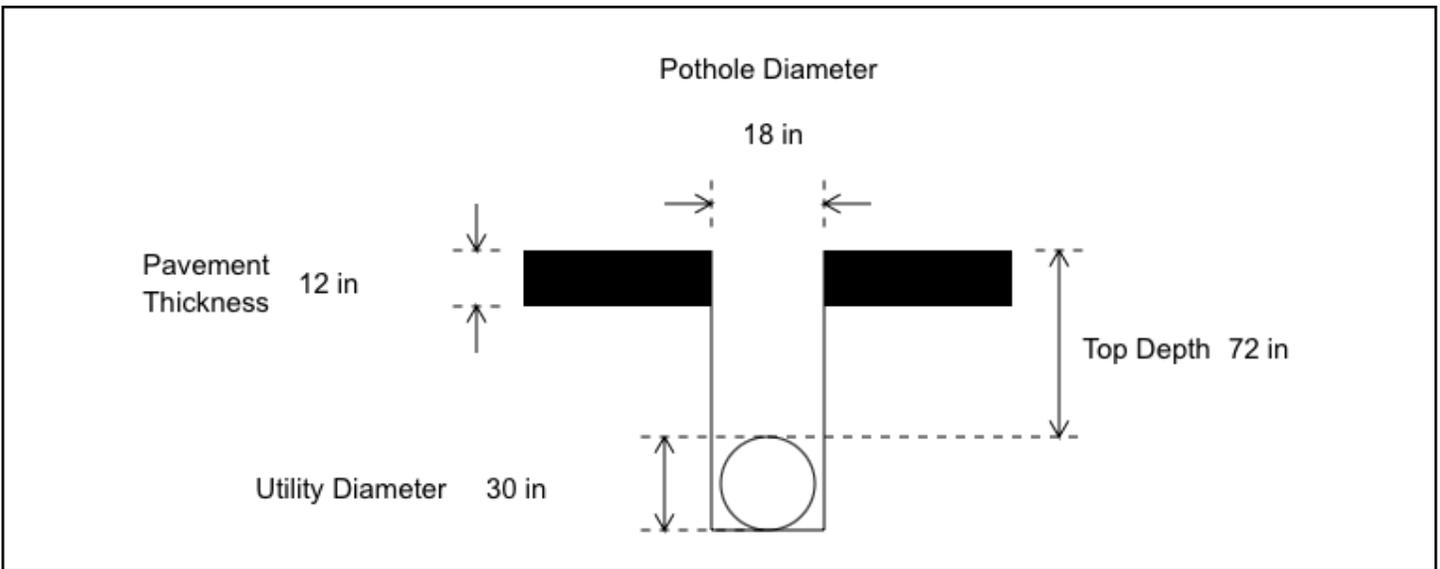
PH 12
Cave in @70"

2024-02-27
10:44:39-08:00

Potholing Form

Date 2024-02-27	Pothole Number 13	Utility Type Gas
Material Type Steel	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From face of curb 56" southwest to center of pothole		
Swing Tie 2 From center of water valve 268" northeast to center of pothole		
Swing Tie 3		
Notes Utility is @72" and starts diving down to go under the culvert. Utility traveling from southeast and at the dive it bends north. Could not get a good picture due to debris caving in @60". There is ground water @67".		

Transverse View

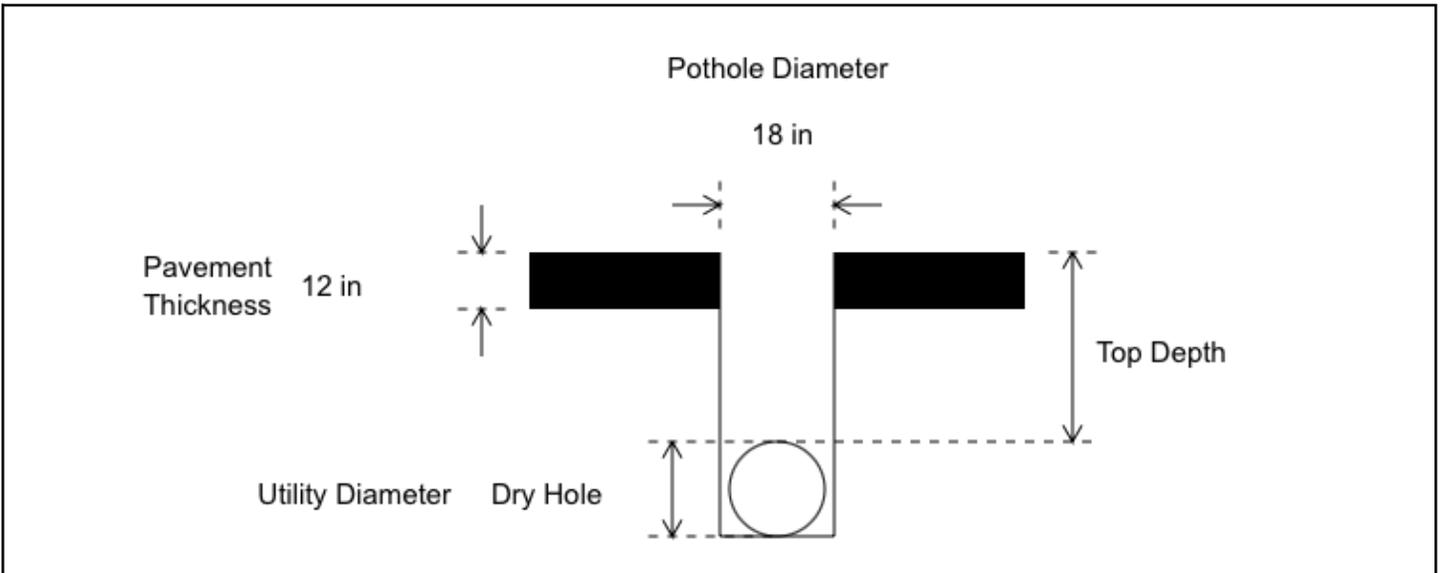




Potholing Form

Date 2024-02-27	Pothole Number 14	Utility Type Gas
Material Type N/A	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From face of curb 200" southwest to center of pothole		
Swing Tie 2 From center of water valve 254" east to center of pothole		
Swing Tie 3		
Notes Dug on USA marks and cleared 241". Fanned out to both sides. There is ground water coming in @140"		

Transverse View

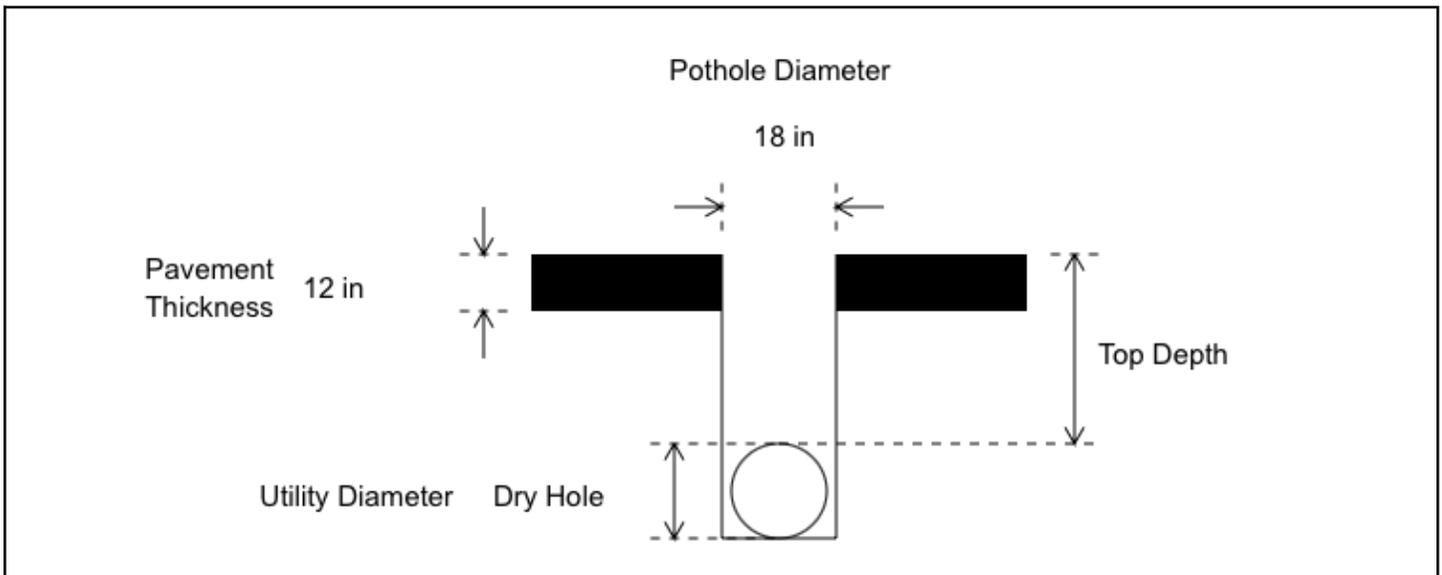




Potholing Form

Date 2024-03-01	Pothole Number 14B	Utility Type Gas
Material Type N/A	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From face of curb 200" southwest to center of pothole		
Swing Tie 2 From center of water valve 254" east to center of pothole		
Swing Tie 3		
Notes Redid pothole 14 but went 3' Northwest & 3' southeast. Dug on USA marks and cleared 234". Cleared 234".		

Transverse View

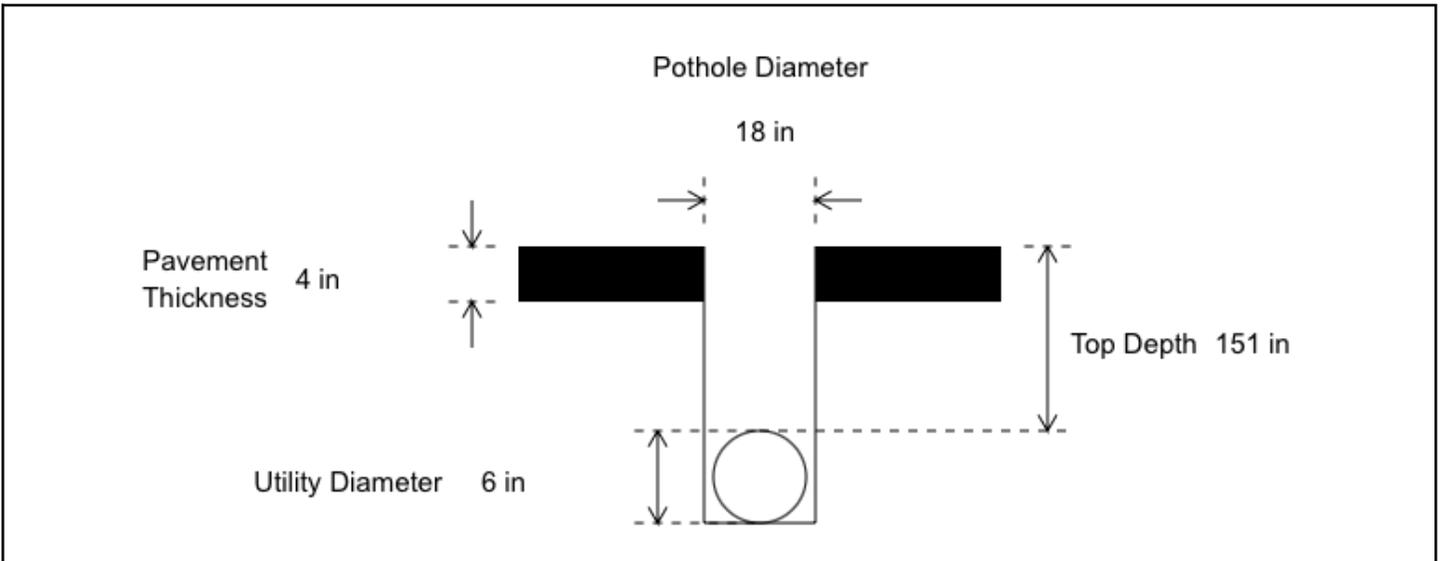




Potholing Form

Date 2024-03-01	Pothole Number 15	Utility Type Electric
Material Type Pvc	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From face of curb 196" southwest to center of pothole		
Swing Tie 2 From center of water valve 231" north to center of pothole		
Swing Tie 3		
Notes Utility traveling E-W There is ground water coming in @90"		

Transverse View

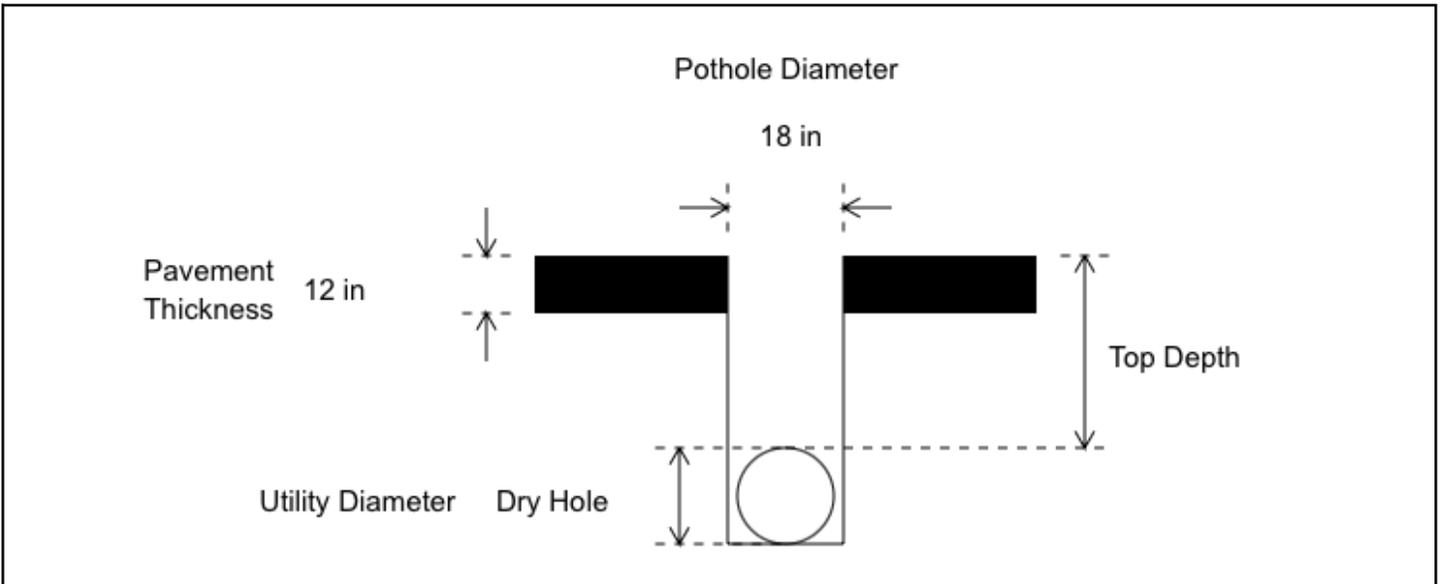




Potholing Form

Date	2024-03-01	Pothole Number	16	Utility Type	Gas
Material Type	N/A	Surface Type	Asphalt	Core Drill Type	Core Drill Asphalt
Soil Type	Compact Base Rock	In a Duct?	No		
Swing Tie 1					
From face of curb 24" southwest to center of porhole					
Swing Tie 2					
From fog line 60" northeast to center of pothole					
Swing Tie 3					
Notes					
Could not expose utility due to cave in @69" Ground water @60"					

Transverse View

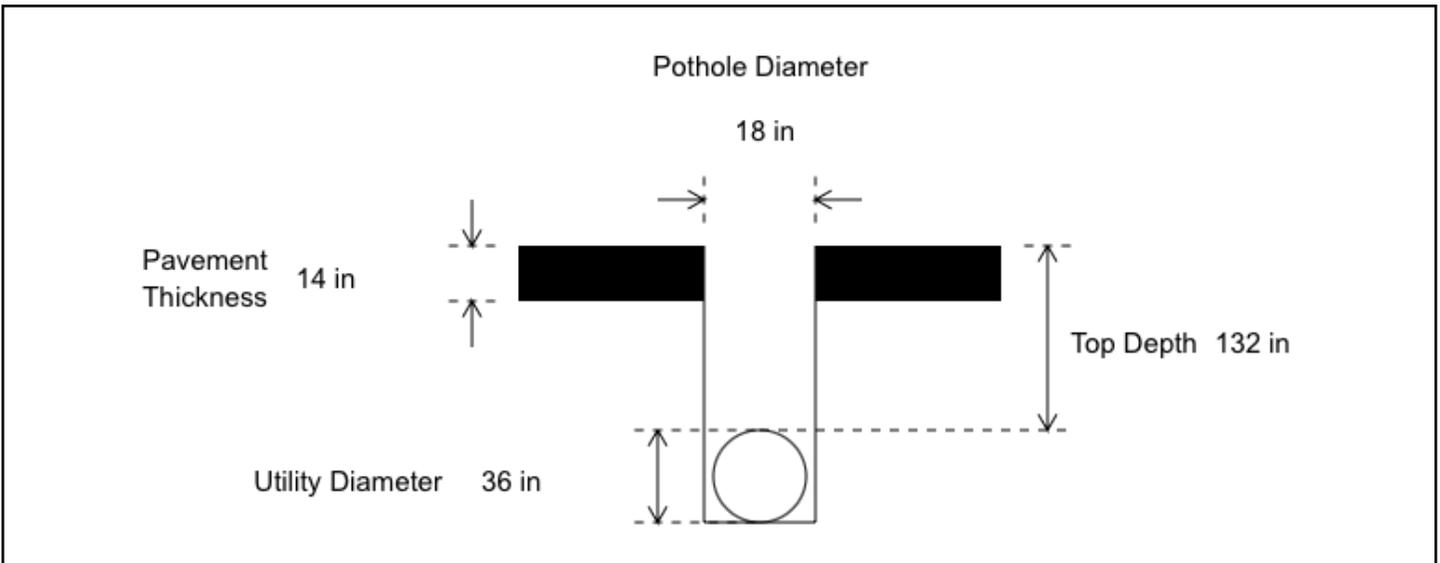


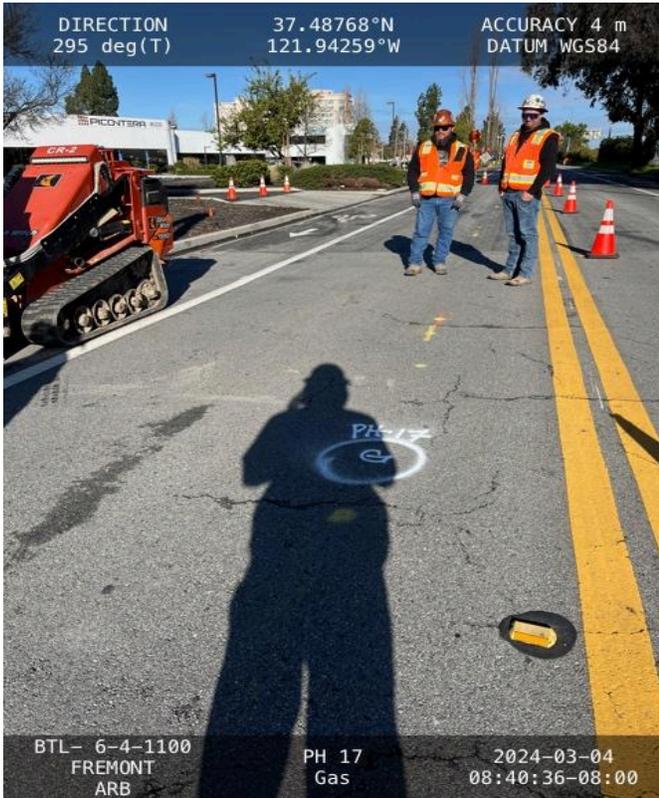


Potholing Form

Date 2024-03-04	Pothole Number 17	Utility Type Gas
Material Type Steel	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From center of comm box 198" northeast to center of pothole		
Swing Tie 2 From face of curb 255" southwest to center of pothole		
Swing Tie 3		
Notes Utility traveling NW-SE		

Transverse View

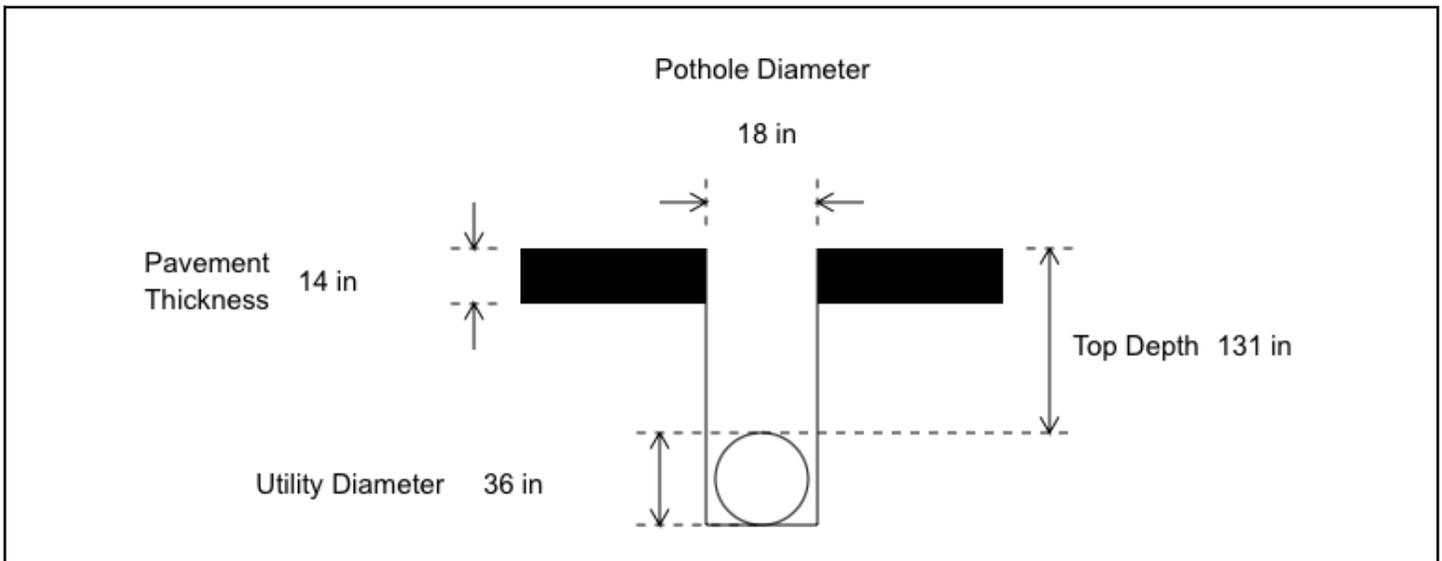




Potholing Form

Date 2024-03-04	Pothole Number 18	Utility Type Gas
Material Type Pvc	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From center of catch basin 154" northeast to center of pothole		
Swing Tie 2 From center of water valve 120" northwest to center of pothole		
Swing Tie 3		
Notes Utility traveling NW-SE There is slurry from the bottom of the asphalt all the way to the top of pipe.		

Transverse View

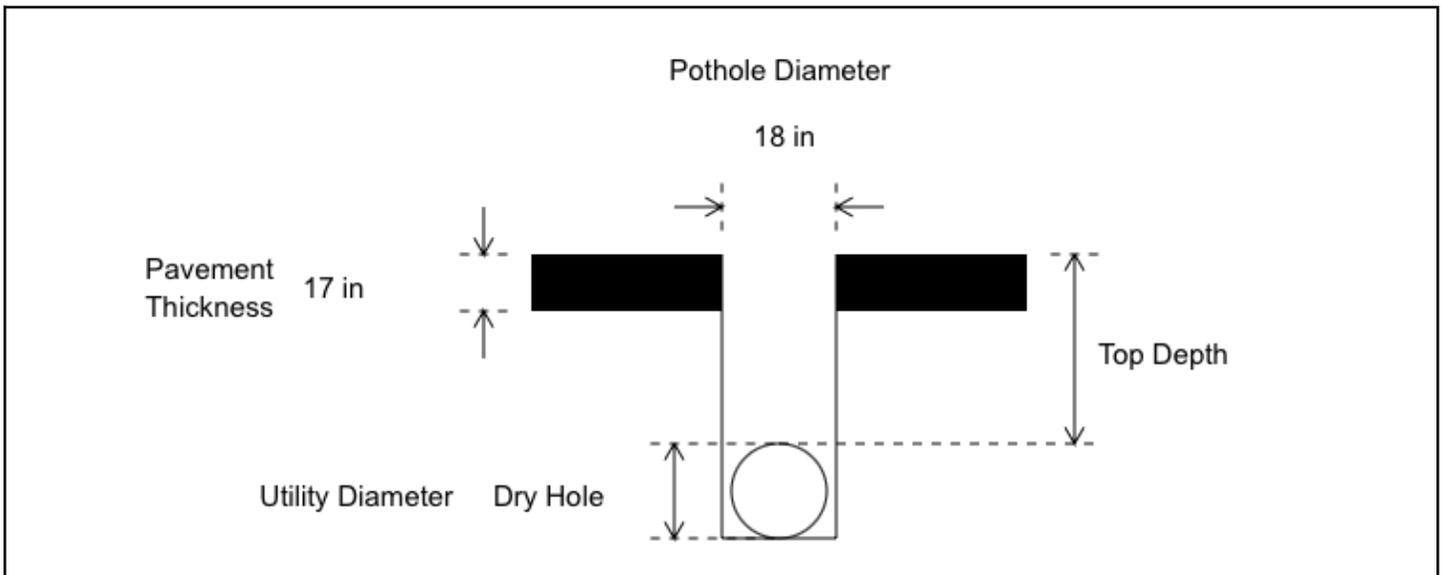




Potholing Form

Date 2024-03-05	Pothole Number 19	Utility Type Gas
Material Type N/A	Surface Type Asphalt	Core Drill Type No Core Drill
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From center of catch basin 220" southwest to center of pothole		
Swing Tie 2 From face of curb 35" northeast to center of pothole		
Swing Tie 3		
Notes Could not expose the gas due to cave in and ground water @110". Found the 12" water @88".		

Transverse View





Potholing Form

Date 2024-03-05	Pothole Number 22	Utility Type Gas
Material Type Steel	Surface Type Asphalt	Core Drill Type Core Drill Asphalt
Soil Type Compact Base Rock	In a Duct? No	
Swing Tie 1 From face of curb 63" southwest to center of pothole		
Swing Tie 2 From street light 329" southeast to center of pothole		
Swing Tie 3		
Notes Utility traveling NW-SE Utility starts to dive down at this location.		

Transverse View

