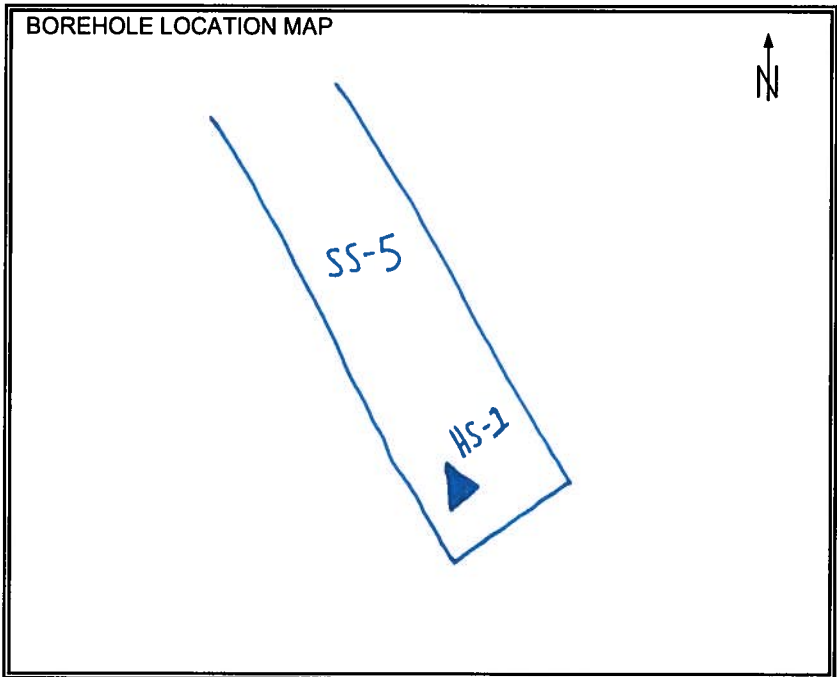


BOREHOLE LOG



Boring ID: <u>HS-1</u>	
Monitoring Well ID: <u>N/A</u>	
Project Number:	Project Name: <u>Boulder City Bypass</u>
Client:	
Site:	
Borehole Location (Township, Range, Section):	
Logged By: <u>RCT</u>	
Reviewed By:	Review Date:
Drilling Contractor: <u>Eagle Drilling</u>	
Drill Rig Type/Method: <u>Hollow-stem Auger</u>	
Sampler Type: <u>SPT</u>	
Borehole Diameter (inches): <u>8"</u>	to: <u>25'</u> feet bgs
Overdrilled Diameter (inches): <u>—</u>	to: <u>—</u> feet bgs
Drill Start Date: <u>6/3/14</u>	Drill Start Time: <u>0745</u>
Drill Finish Date: <u>6/3/14</u>	Drill Finish Time: <u>0850</u>
Total Borehole Depth (feet bgs): <u>25'</u>	
Soil Boring Backfill Date: <u>6/3/14</u>	Soil Boring Backfill Time: <u>15 minutes (0915)</u>
Ground Surface Reference Elevation (feet msl):	
Depth to 1st Saturated Zone (feet bgs): <u>N/A</u>	Date: <u>6/3/14</u> Time: <u>—</u>
Depth to Other Water-Bearing Zones (feet bgs): <u>N/A</u>	
Depth to Water After Drilling (feet bgs): <u>N/A</u>	
Well Completion Date: <u>N/A</u>	Well Completion Time: <u>—</u>
Screen Interval (feet bgs): <u>N/A</u>	Total Well Depth (feet bgs): <u>—</u>
Well Diameter (inches): <u>N/A</u>	Well Casing Material: <u>—</u>
Static Water Level After Well Installation (feet bgs): <u>N/A</u>	



NOTES/REMARKS

BOREHOLE LOG

Project Location: *Boulder City Bypass*

DATE: *6/3/14*
 LOGGED BY: *RCW*

BORING ID: *HS-1*

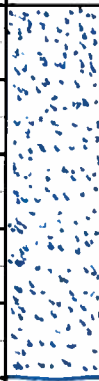

	Sampler Type	Sample Interval	Time	Recovered/Driven (in./ft.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	USCS Type/Designation	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay
0											SM	Lt. brown, dry, loose, silty SAND w/ gravel. (0'-11') (old Alluvium)	20	10	30	20	20
5	SPT 18"	0750	18"	18/25	100	N/A	N/A	N/A			SM	Lt. brown, dry, loose, silty SAND w/ gravel (0'-11')	20	10	20	30	20
	X			X								Easy drilling					
10	SPT 18"	0758	15"	25/35	150	N/A	N/A	N/A			SM	Lt. brown, dry, loose, silty SAND w/ gravel (0'-11')	20	10	20	30	20
	X			X								Sample refusal @ 11', 3" Lt. brown, weakly cemented CALICHE w/ gravel (11'-11.5') Drilling slow					
											SM	Lt. brown, dry, loose, silty SAND w/ gravel. (11.5'-13')	20	15	15	30	20
												Lt. brown, weakly cemented CALICHE w/ gravel. (13'-14.5')					
15	SPT 18"	0811	16"	28/35	145	N/A	N/A	N/A			SM	Lt. brown, dry, loose, silty SAND w/ gravel. (14.5'-25')	20	20	30	20	20
	X			X								Sample refusal @ 16', 4"					
20	SPT 18"	0825	12"	28/45	145	N/A	N/A	N/A			SM	Lt. brown, dry, loose, silty SAND w/ gravel. (14.5'-25')	20	20	30	10	20

BOREHOLE LOG

Project Location: *Boulder City Bypass*

DATE: *6/3/14*
 LOGGED BY: *RCJ*

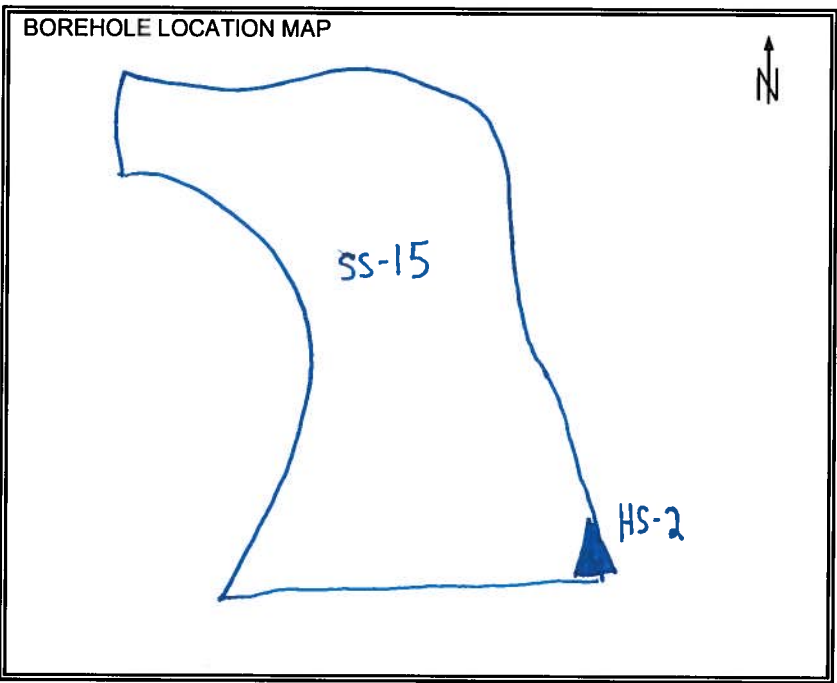
BORING ID: *HS-1*

Sampler Type	Sample Interval	Time	Recovered/Driven (in./ft.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	USCS Type/Designation	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay
<i>20</i>	<i>SPT</i>	<i>18"</i>	<i>0825</i>	<i>12"</i>	<i>28</i>	<i>7</i>	<i>14</i>	<i>N/A</i>	<i>N/A</i>		<i>SM Lt. brown, dry, loose, silty SAND w/ gravel. (14.5-25')</i>	<i>20</i>	<i>20</i>	<i>30</i>	<i>10</i>	<i>20</i>
											<i>Sample refusal @ 21'</i>					
<i>25</i>	<i>SPT</i>	<i>18"</i>	<i>0837</i>	<i>6"</i>	<i>27</i>	<i>5</i>	<i>25</i>	<i>N/A</i>	<i>N/A</i>		<i>SM Lt. brown, dry, loose, silty SAND w/ gravel. (14.5-25')</i>	<i>20</i>	<i>25</i>	<i>25</i>	<i>10</i>	<i>20</i>
											<i>Sample refusal @ 25.5'</i>					
											<i>Total Depth - 25'</i>					

BOREHOLE LOG



Boring ID: <u>HS-2</u>		
Monitoring Well ID: <u>N/A</u>		
Project Number:	Project Name: <u>Boulder City Bypass</u>	
Client:		
Site:		
Borehole Location (Township, Range, Section):		
Logged By: <u>RCS</u>		
Reviewed By:	Review Date:	
Drilling Contractor: <u>Eagle Drilling</u>		
Drill Rig Type/Method: <u>Hollow-stem Auger</u>		
Sampler Type: <u>SPT</u>		
Borehole Diameter (inches): <u>8"</u>	to: <u>45</u>	feet bgs
Overdrilled Diameter (inches): <u>—</u>	to: <u>—</u>	feet bgs
Drill Start Date: <u>6/3/14</u>	Drill Start Time: <u>1002</u>	
Drill Finish Date: <u>6/3/14</u>	Drill Finish Time: <u>1200</u>	
Total Borehole Depth (feet bgs): <u>45'</u>		
Soil Boring Backfill Date: <u>6/3/14</u>	Soil Boring Backfill Time: <u>1215</u>	
Ground Surface Reference Elevation (feet msl):		
Depth to 1st Saturated Zone (feet bgs): <u>N/A</u>	Date: <u>6/3/14</u>	Time: <u>—</u>
Depth to Other Water-Bearing Zones (feet bgs): <u>N/A</u>		
Depth to Water After Drilling (feet bgs): <u>N/A</u>		
Well Completion Date: <u>N/A</u>	Well Completion Time: <u>—</u>	
Screen Interval (feet bgs): <u>N/A</u>	Total Well Depth (feet bgs): <u>—</u>	
Well Diameter (inches): <u>N/A</u>	Well Casing Material: <u>—</u>	
Static Water Level After Well Installation (feet bgs): <u>N/A</u>		



NOTES/REMARKS

BOREHOLE LOG

Project Location: Boulder City Bypass

DATE: 6/3/14
 LOGGED BY: RCS

BORING ID: HS-2

Depth (ft)	Sampler Type	Sample Interval	Time	Recovered/Driven (in./in.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	USCS Type/Designation	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay
0										x x x	ML	lt. brown, dry, loose, sandy SILT w/ gravel (0'-8')	20	0	10	30	40
										x x x		7.5 YR 8/4					
										x x x		Gravel increases, slower drilling					
										x x x							
5	SPT	18"	1012	12"	49	for 3				x x x	ML	lt. brown, dry, loose, sandy SILT w/ gravel (0'-9')	25	10	15	20	30
										x x x		7.5 YR 8/4					
										x x x		Sample refusal @ 6'					
										x x x		Gravel increases					
										x x x		lt. brown, dry, weakly cemented CALICHE. (8'-9')					
										x x x		7.5 YR 8/4					
10	SPT	18"	1020	8"	19	for 30					SM	Brown, moist, loose, silty SAND w/ gravel. (9'-11')	20	20	20	20	20
												7.5 YR 8/3					
												Sample refusal @ 10'8"					
												lt. brown, dry, weakly cemented CALICHE. (11'-12')					
												7.5 YR 8/3					
15	SPT	18"	1032	12"	19	for 3					SM	7.5 YR 8/4 lt. brown, loose, dry, silty SAND w/ gravel. (12'-14')	20	10	10	40	20
												Sample refusal @ 16'					
												Sand size increases					
20	SPT	18"	1049	14"	27	for 26					SM	7.5 YR 8/3 Brown, moist, loose, silty SAND w/ gravel.	20	20	30	10	20

BOREHOLE LOG

Project Location: Boulder City Bypass

DATE: 6/3/14
 LOGGED BY: RCJ

BORING ID: HS-2 cont.

	Sampler Type	Sample Interval	Time	Recovered/Driven (in./in.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	USCS Type/Designation	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay
20	SPT	18"	1049	14"	27/31/24	-	-	-	-		SM 7.5YR 8/3	Brown, moist, loose, silty SAND w/gravel. Sample refusal @ 20".	20	20	30	10	20
												Sand size decreases					
25	SPT	18"	1101	12/21/28	-	-	-	-	-		SM 7.5YR 7/2	lt. brown, dry, loose, silty SAND w/gravel. Sample refusal @ 25', 10".	20	10	10	40	20
30	SPT	18"	1112	35/5 for 4"	-	-	-	-	-		SM 7.5YR 7/3	lt. brown, dry, loose, silty SAND w/gravel. Sample refusal @ 30', 8".	20	10	10	40	20
35	SPT	18"	1129	37 for 4"	-	-	-	-	-		SM 7.5YR 7/3	lt. brown, dry, loose, silty SAND w/gravel. Sample refusal @ 35', 4".	20	10	10	40	20
40	SPT	18"	1139	39/32/33	-	-	-	-	-		SM 7.5YR 8/2	lt. brown, dry, loose, silty SAND w/gravel.	20	10	10	40	20

BOREHOLE LOG

Project Location: Boulder City Bypass

DATE: 6/3/14
 LOGGED BY: RCT

BORING ID: HS-2 cont.

40

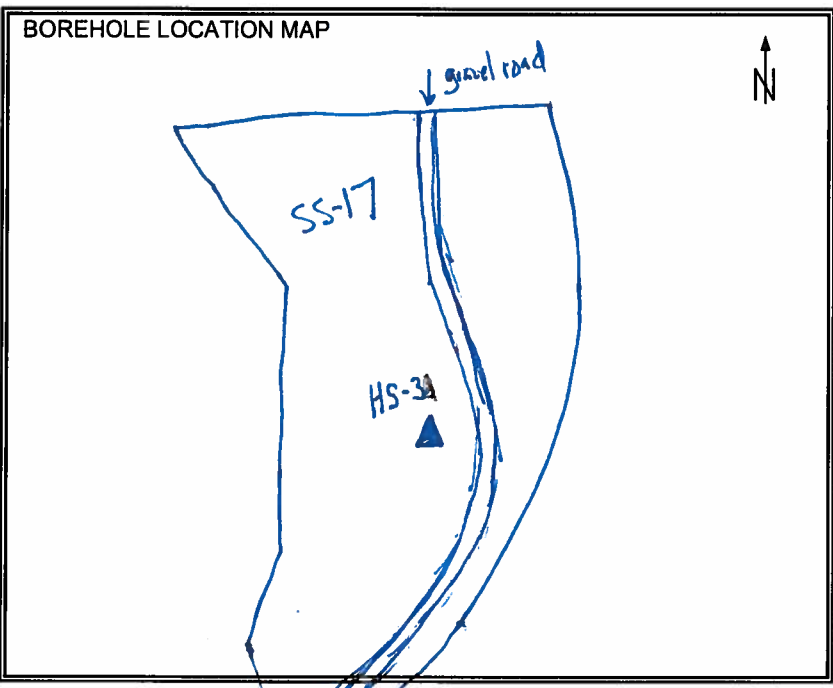
45

Sampler Type	Sample Interval	Time	Recovered/Driven (in./in.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	USCS Type/Designation	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay
SPT	18"	1139	18"	39/3433	-	-	-	-	-	SM	7.5YR 8/2 Lt. brown, dry, loose, silty SAND w/ gravel.	20	10	10	40	20
X	X								[Dotted pattern]							
SPT	18"	1156	18"	50/65	-	-	-	-	-	SM	7.5YR 6/4 Lt. brown, dry, loose, silty SAND w/ gravel.	20	10	20	30	20
X	X															
										Total Depth - 45'						

BOREHOLE LOG



Boring ID: HS-3	
Monitoring Well ID: N/A	
Project Number:	Project Name: Boulder City Bypass
Client:	
Site:	
Borehole Location (Township, Range, Section):	
Logged By: RJS	
Reviewed By:	Review Date:
Drilling Contractor: Eagle Drilling	
Drill Rig Type/Method: Hollow-stem Auger	
Sampler Type: SPT	
Borehole Diameter (inches): 8"	to: 35 feet bgs
Overdrilled Diameter (inches): —	to: — feet bgs
Drill Start Date: 6/3/14	Drill Start Time: 1350
Drill Finish Date: 6/4/14	Drill Finish Time: 0910
Total Borehole Depth (feet bgs): 35'	
Soil Boring Backfill Date: 6/4/14	Soil Boring Backfill Time: 0920
Ground Surface Reference Elevation (feet msl):	
Depth to 1st Saturated Zone (feet bgs): N/A	Date: 6/3/14-6/4/14 Time: —
Depth to Other Water-Bearing Zones (feet bgs): N/A	
Depth to Water After Drilling (feet bgs): N/A	
Well Completion Date: N/A	Well Completion Time: —
Screen Interval (feet bgs): N/A	Total Well Depth (feet bgs): —
Well Diameter (inches): N/A	Well Casing Material: —
Static Water Level After Well Installation (feet bgs): N/A	



NOTES/REMARKS

BOREHOLE LOG

Project Location: Boulder City Bypass

DATE: 6/3/14 - 6/4/14

BORING ID: HS-3

LOGGED BY: RCJ

Sampler Type	Sample Interval	Time	Recovered/Driven (in./ft.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	USCS Type/Designation	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay
									0	SM	Lt. brown, dry, loose, silty SAND w/ gravel. (0'-4')	20	20	30	30	20
									5		Lt. brown, dry, strongly cemented CALICHE. (4'-5')					
	SPT 18"	1410	2"	50	2					SM	Lt. brown, dry, loose, silty SAND w/ gravel. (5'-7.5')	20	15	35	30	20
											Lt. brown, dry, strongly cemented CALICHE. (7.5'-8.5')					
									10	SM	Lt. brown, dry, loose, silty SAND w/ gravel. (8.5'-14')	20	10	10	40	20
	SPT 18"	1428	14"	42	20	31					Lt. brown, dry, strongly cemented CALICHE. (14'-14.5')					
									15	SM	Lt. brown, loose, dry, silty SAND w/ gravel. (14.5'-16')	20	10	30	25	15
											Lt. brown, dry, strongly cemented CALICHE (16'-16.5')					
									20	SM	Lt. brown, dry, loose, silty SAND. (16.5'-35')	20	10	20	35	15

6/3/14
6/4/14

20

BOREHOLE LOG

Project Location: Boulder City Bypass

DATE: 6/3/14 - 6/4/14

BORING ID: HS-3 cont.

LOGGED BY: RCJ

20

25

30

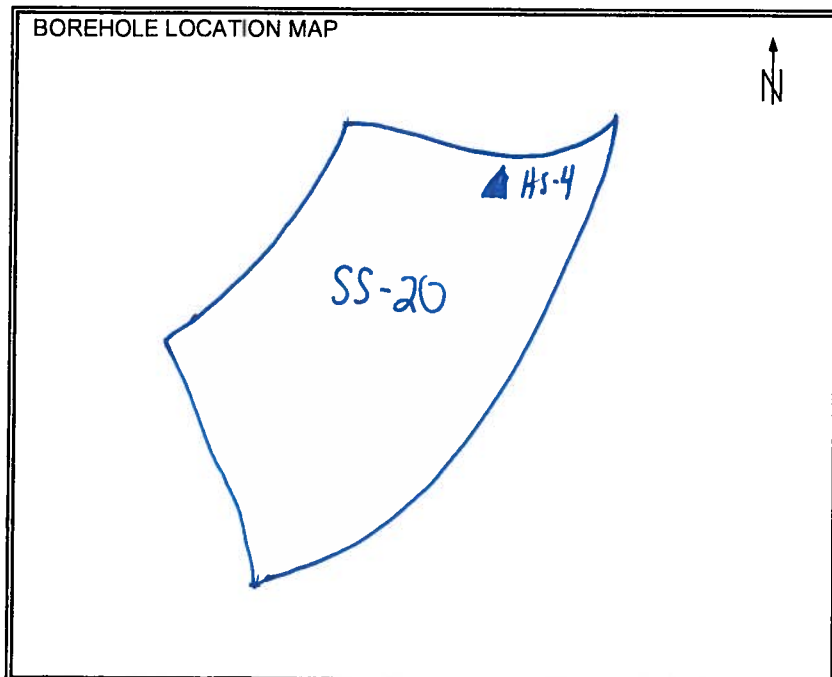
35

Sampler Type	Sample Interval	Time	Recovered/Driven (in. in.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	USCS Type/Designation	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay
SPT	18"	0815	4"	50	SS	-	-	-	-	SM	Lt. brown, dry, loose, silty SAND (16.5-35') 7.5 YR 6/3 Sample refusal @ 20', 4". Easy drilling	20	10	20	35	15
SPT	18"	0830	4"	50	SS	-	-	-	-	SM	Lt. brown, dry, loose, silty SAND w/ gravel. 7.5 YR 6/3 Sample refusal @ 25', 4".	20	10	20	35	15
SPT	18"	0850	5.5"	50	SS	-	-	-	-	SM	Lt. brown, dry, loose, silty SAND w/ gravel. 7.5 YR 6/3 Sample refusal @ 30', 5".	20	10	20	35	15
SPT	18"	0905	4"	50	SS	-	-	-	-	SM	Lt. brown, dry, loose, silty SAND w/ gravel. 7.5 YR 6/3 Sample refusal @ 35', 4". Total Depth - 35'	20	10	20	35	15

BOREHOLE LOG



Boring ID: HS-4	
Monitoring Well ID:	
Project Number:	Project Name: Boulder City Bypass
Client:	
Site:	
Borehole Location (Township, Range, Section):	
Logged By: RCJ	
Reviewed By:	Review Date:
Drilling Contractor: Eagle Drilling	
Drill Rig Type/Method: Hollow-stem Auger	
Sampler Type: SPT	
Borehole Diameter (inches): 8"	to: 35' feet bgs
Overdrilled Diameter (inches):	to: feet bgs
Drill Start Date: 6/4/14	Drill Start Time: 1130
Drill Finish Date: 6/4/14	Drill Finish Time: 1245
Total Borehole Depth (feet bgs): 35'	
Soil Boring Backfill Date: 6/4/14	Soil Boring Backfill Time: 1300
Ground Surface Reference Elevation (feet msl):	
Depth to 1st Saturated Zone (feet bgs): —	Date: — Time: —
Depth to Other Water-Bearing Zones (feet bgs): —	
Depth to Water After Drilling (feet bgs): —	
Well Completion Date: —	Well Completion Time: —
Screen Interval (feet bgs): —	Total Well Depth (feet bgs): —
Well Diameter (inches): —	Well Casing Material: —
Static Water Level After Well Installation (feet bgs): —	



NOTES/REMARKS

BOREHOLE LOG

Project Location: *Boulder City Bypass*

DATE: *6/4/14*
 LOGGED BY: *RCJ*

BORING ID: *HS-4*

Sampler Type	Sample Interval	Time	Recovered/Driven (in./in.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	USCS Type/Designation	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay		
									0		Lt. brown, dry, loose, silty SAND w/ gravel. 7.5 YR 6/4							
									5	SPT 18" 1134	4" 50 ^{50%} - Av - -	SM	Brown, dry, loose, silty SAND w/ gravel. 7.5 YR 5/4 Sample refusal @ 5', 4"	20	10	20	35	15
											↓ Increase in gravel.							
									10	SPT 18" 1148	18" 19/20/24 - Av - -	SM	Brown, dry, loose, silty SAND w/ gravel. 7.5 YR 4/4 Easy drilling	30	30	35	10	15
									15	SPT 18" 1155	18" 19/17/21 - Av - -	SM	Brown, dry, loose, silty SAND w/ gravel. 7.5 YR 4/3 Easy drilling	35	25	20	5	15
									20	SPT 18" 1205	18" 27/30/50/55 - Av - -	SM	Brown, dry, loose, silty SAND w/ gravel. 7.5 YR 4/4	35	20	25	5	15

BOREHOLE LOG

Project Location: *Boulder City Bypass*

DATE: *6/4/14*
 LOGGED BY: *RCS*

BORING ID: *HS-4 cont.*

20

25

30

35

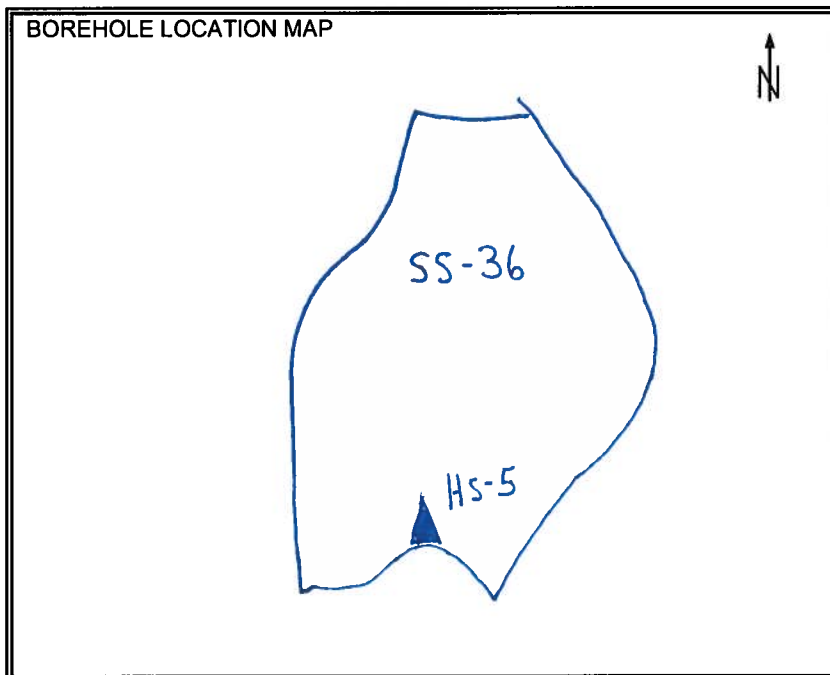
40

Sampler Type	Sample Interval	Time	Recovered/Driven (in. in.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	USCS Type/Designation	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay
SPT	18"	1205	18"	27/36	-	-	-	-	20.0	SM	Brown, dry, loose, silty SAND w/ gravel. 7.5 YR 4/4	35	20	25	5	15
X			X						20.0 - 25.0		Easy drilling					
SPT	18"	1217	8"	27/1	-	-	-	-	25.0	SM	Brown, dry, loose, silty SAND w/ gravel. Sample refusal @ 25', 8"	30	20	20	15	15
X			X						25.0 - 30.0		Easy drilling					
SPT	18"	1230	18"	31/41	-	-	-	-	30.0	SM	Brown, dry, loose, silty SAND w/ gravel. 7.5 YR 5/6	30	20	20	15	15
X			X						30.0 - 35.0		Easy drilling					
SPT	18"	1245	6"	37/1	-	-	-	-	35.0	SM	Brown, dry, loose, silty SAND w/ gravel. 7.5 YR 6/3 Sample refusal @ 35', 6"	25	20	20	15	20
X			X						35.0 - 40.0		Total Depth - 35'					

BOREHOLE LOG



Boring ID:		
Monitoring Well ID: <u>HS-5</u>		
Project Number:	Project Name: <u>Boulder City Bypass</u>	
Client:		
Site:		
Borehole Location (Township, Range, Section):		
Logged By: <u>RCJ</u>		
Reviewed By:	Review Date:	
Drilling Contractor: <u>Eagle Drilling</u>		
Drill Rig Type/Method: <u>HSA</u>		
Sampler Type: <u>SPT</u>		
Borehole Diameter (inches): <u>8"</u>	to: <u>25'</u>	feet bgs
Overdrilled Diameter (inches):	to:	feet bgs
Drill Start Date: <u>6/5/14</u>	Drill Start Time: <u>0813</u>	
Drill Finish Date: <u>6/5/14</u>	Drill Finish Time: <u>0930</u>	
Total Borehole Depth (feet bgs): <u>25'</u>		
Soil Boring Backfill Date: <u>6/5/14</u>	Soil Boring Backfill Time: <u>0945</u>	
Ground Surface Reference Elevation (feet msl):		
Depth to 1st Saturated Zone (feet bgs): <u>-</u>	Date: <u>-</u>	Time: <u>-</u>
Depth to Other Water-Bearing Zones (feet bgs): <u>-</u>		
Depth to Water After Drilling (feet bgs): <u>-</u>		
Well Completion Date: <u>-</u>	Well Completion Time: <u>-</u>	
Screen Interval (feet bgs): <u>-</u>	Total Well Depth (feet bgs): <u>-</u>	
Well Diameter (inches): <u>-</u>	Well Casing Material: <u>-</u>	
Static Water Level After Well Installation (feet bgs): <u>-</u>		



NOTES/REMARKS

BOREHOLE LOG

Project Location: Boulder City Bypass

DATE: 6/5/14
 LOGGED BY: RCJ

BORING ID: HS-5

Depth (ft)	Sampler Type	Sample Interval	Time	Recovered/Driven (in./in.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay
0											SM Brown, dry, loose, silty SAND w/ gravel. (0'-7') 7.5YR 5/4	20	10	10	40	20
5																
5											SM Brown, moist, loose, silty SAND w/ gravel. 7.5YR 5/4 Sample refusal @ 6', 4".	20	10	20	30	20
10																
10											SM Lt. Beige, dry, loose, silty SAND w/ gravel. 2.5 YR 8/3 (7'-13.5')	15	5	20	30	30
10																
10											SM Lt. Beige, dry, loose, silty SAND w/ gravel. (7'-13.5') 2.5YR 8/3	15	5	20	30	30
15											↓ Fines increase					
15																
15											ML Brown, dry, medium, sandy SILT. (13.5'-23')	10	20	15	25	30
20																
20											ML Brown, dry, medium, sandy SILT. 2.5YR 6/4	10	20	5	30	35

BOREHOLE LOG

Project Location: **Boulder City Bypass**

DATE: **6/5/14**
 LOGGED BY: **RCS**

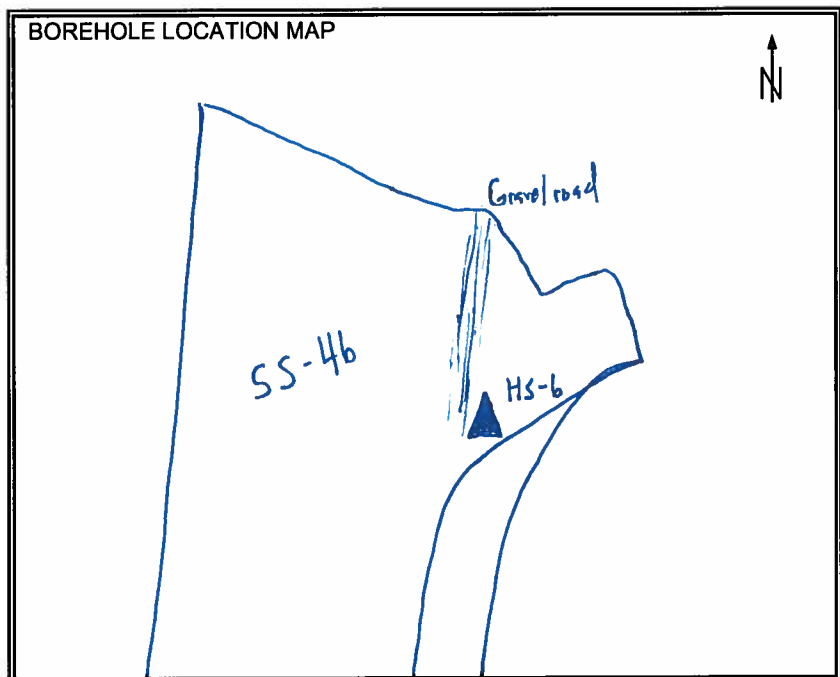
BORING ID: **HS-5 cont.**

Sampler Type	Sample Interval	Time	Recovered/Driven (in. in.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	USCS Type/Designation	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay
20	SPT 18"	0900	2"	50 for 3	-	-	-	-	X X	ML	Brown, dry, medium, sandy SILT. 2.5 YR 6/4 Sample refusal @ 20', 2".	10	20	5	30	35
25	SPT 18"	0930	3"	50 for 3	-	-	-	-	X X X X X X X X X	ML	Brown, dry, medium, SILT w/ sand. Sample refusal @ 25', 3". Total Depth - 25'	10	10	10	15	55

BOREHOLE LOG



Boring ID: <u>HS-6</u>	
Monitoring Well ID: <u>—</u>	
Project Number:	Project Name: <u>Boulder City Bypass</u>
Client:	
Site:	
Borehole Location (Township, Range, Section):	
Logged By: <u>RCJ</u>	
Reviewed By:	Review Date:
Drilling Contractor: <u>Eagle Drilling</u>	
Drill Rig Type/Method: <u>HSA</u>	
Sampler Type: <u>SPT</u>	
Borehole Diameter (inches): <u>8"</u>	to: <u>25'</u> feet bgs
Overdrilled Diameter (inches): <u>—</u>	to: <u>—</u> feet bgs
Drill Start Date: <u>6/5/14</u>	Drill Start Time: <u>1015</u>
Drill Finish Date: <u>6/5/14</u>	Drill Finish Time: <u>1128</u>
Total Borehole Depth (feet bgs): <u>25'</u>	
Soil Boring Backfill Date: <u>6/5/14</u>	Soil Boring Backfill Time: <u>10 minutes (1140)</u>
Ground Surface Reference Elevation (feet msl):	
Depth to 1st Saturated Zone (feet bgs): <u>—</u>	Date: <u>—</u> Time: <u>—</u>
Depth to Other Water-Bearing Zones (feet bgs): <u>—</u>	
Depth to Water After Drilling (feet bgs): <u>—</u>	
Well Completion Date: <u>—</u>	Well Completion Time: <u>—</u>
Screen Interval (feet bgs): <u>—</u>	Total Well Depth (feet bgs): <u>—</u>
Well Diameter (inches): <u>—</u>	Well Casing Material: <u>—</u>
Static Water Level After Well Installation (feet bgs): <u>—</u>	



NOTES/REMARKS

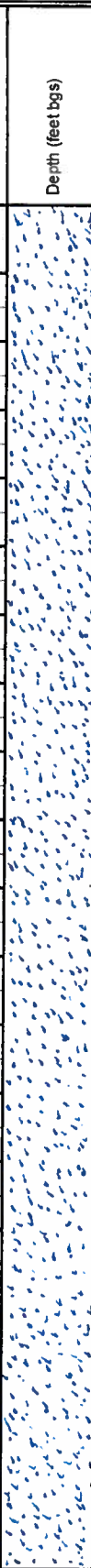
BOREHOLE LOG

Project Location: Boulder City Bypass

DATE: 6/6/14
 LOGGED BY: RCJ

BORING ID: HS-6

Sampler Type	Sample Interval	Time	Recovered/Driven (in./in.)	Blow Counts/6 in.	Physical Analysis	Chemical Analysis	PID Reading (ppm)	Well Construction Info	Depth (feet bgs)	USCS Type/Designation	Soil Description	% Gravel	% Coarse Sand	% Medium Sand	% Fine Sand	% Silt/Clay
									0	SM	Brown, dry, loose, silty SAND w/ gravel. 7.5 YR 6/6	20	10	10	40	20
									5	SM	Brown, dry, loose, silty SAND w/ gravel. 7.5 YR 6/6 Sample refusal @ 5', 3".	15	15	10	40	20
									10	SM	Brown, dry, loose, silty SAND w/ gravel. 7.5 YR 5/6 Sample refusal @ 10', 4".	15	5	20	30	30
									15	SM	Brown, dry, loose, silty SAND w/ gravel. 2.5Y 5/3 Sample refusal @ 15', 4".	15	5	10	40	30
									20	SM	Lt. brown, dry, loose, silty SAND w/ gravel. 10YR 6/4	20	20	15	25	20



Fines increase

Grain size increase

