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WATER RESOURCES  
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<b>Borehole Geologic Log</b>		Borehole No. BA-11 OW	Well Name: MW - 25
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Project: Transit Mix  
Location: Pueblo, CO  
Client: Transit Mix  
Contractor: Dakota Drilling  
Field Rep: Sean Bailey, Brierley Associates

**Drill Rig: CME-55**

	Casing	Sampler
Type	HSA	SS
Inner Diameter (in)	4.25	1 3/8

Location: SW1/4 of NW1/4, Sec. 32, T20S, R63W, 6th PM

Depth (ft)	Sample Depth (ft)	USCS Symbol	Visual-Manual Identification & Description
0		CL	brown, LEAN CLAY, mostly f-clay, trace of sand, no odor, dry, low-mod plasticity, FINE ALLUVIUM
5		CL	as above
		SC	dark gray, clayey SAND, mostly f-m sand, some f-clay, no odor, wet, COARSE ALLUVIUM
10		SC	as above
15		SC	as above, trace of f-gravel
20		SC	as above
		SW-SC	tan, well graded SAND w/ clay + gravel, mostly f-m sand, little to some c-sand, little to some f-c gravel, few fines, no odor, wet
25		SW-SC	
	26.5 - 28	BR	Driller indicated possible BR @ 26.5', very soft, dark gray, clayey SHALE, planar, fissile, no odor, dry to slt moist, med-highly plasticity, PIERRE SHALE

Water Location: 7 ft

Note: Soil identifications based on visual-manual methods of the USCS system as practiced by Brierley Associates, LLC.

FORM NO. GWS-31 4/2012		WELL CONSTRUCTION AND TEST REPORT STATE OF COLORADO, OFFICE OF THE STATE ENGINEER 1313 Sherman St., Ste 821, Denver, CO 80203 Main (303) 866-3681 Fax (303) 866-3589 www.water.state.co.us			For Office Use <b>RECEIVED</b> <b>MAR 26 2013</b> WATER RESOURCES STATE ENGINEER COLORADO	
1. WELL PERMIT NUMBER: <u>MH-51157</u>						
2. WELL OWNER INFORMATION						
NAME OF WELL OWNER: <u>Transit Mix of Pueblo</u>						
MAILING ADDRESS: <u>444 E Costilla St.</u>						
CITY: <u>Colorado Springs</u>		STATE: <u>Colorado</u>		ZIP CODE: <u>80903</u>		
TELEPHONE NUMBER w/area code: <u>719-475-0700</u>						
3. WELL LOCATION AS DRILLED: <u>NW</u> 1/4, <u>SW</u> 1/4, Sec. <u>31</u> Twp <u>20</u> <input type="checkbox"/> N or S, <input checked="" type="checkbox"/> Range <u>63</u> <input type="checkbox"/> E or W <input checked="" type="checkbox"/>						
DISTANCES FROM SEC. LINES: <u>2.551</u> ft. from <input type="checkbox"/> N or <input checked="" type="checkbox"/> S section line and <u>51</u> ft. from <input type="checkbox"/> E or <input checked="" type="checkbox"/> W section line.						
SUBDIVISION: _____ LOT _____ BLOCK _____ FILING (UNIT) _____						
Optional GPS Location: GPS Unit must use the following settings: Format must be <u>UTM</u> , Units must be <u>meters</u> , Datum must be <u>NAD83</u> , Unit must be set to true N, <input type="checkbox"/> Zone 12 or <input type="checkbox"/> Zone 13						
Owner's Well Designation: <u>MW-23</u>						
Easting: _____						
STREET ADDRESS AT WELL LOCATION: _____ Northing: _____						
4. GROUND SURFACE ELEVATION <u>4.574</u> feet						
DATE COMPLETED <u>11/29/2012</u> TOTAL DEPTH <u>31.5</u> feet						
5. GEOLOGIC LOG:						
6. HOLE DIAM (in.) From (ft) To (ft)						
8 in. 0 31.5						
7. PLAIN CASING:						
OD (in) Kind Wall Size (in) From (ft) To (ft)						
2 in. PVC 0.154 in 0 20						
PERFORATED CASING: Screen Slot Size (in): 0.10 in						
2 in. PVC 0.154 in 20 30						
8. FILTER PACK:						
Material <u>sand</u>						
Size _____						
Interval <u>18 - 30 ft</u>						
9. PACKER PLACEMENT:						
Type _____						
Depth _____						
10. GROUTING RECORD						
Material Amount Density Interval Placement						
concrete _____ 0 - 0.5 ft						
cuttings _____ 0.5 - 1 ft						
bentonite _____ 1 - 18 ft						
Remarks: _____						
11. DISINFECTION: Type _____ Amt. Used _____						
12. WELL TEST DATA: <input type="checkbox"/> Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.						
TESTING METHOD <u>NA</u>						
Static Level _____ ft Date/Time measured: _____ Production Rate _____ gpm.						
Pumping Level _____ ft Date/Time measured: _____ Test Length (hrs) _____						
Remarks: _____						
13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed (or name entered if filing online) and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license. If filing online the State Engineer considers entering of licensed contractor name to be compliance with Rule 17.4						
Company Name: <u>Brierley Associates</u>			Phone w/area code: <u>303-534-1777</u>		License Number: _____	
Mailing Address: <u>110 16th St., Ste 700, Denver, CO 80202</u>						
Sign (or enter name if filing online) <u>Alexander Vega</u>			Print Name and Title <u>Alexander Vega, Staff Engineer</u>			Date <u>03/21/13</u>

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<b>Borehole Geologic Log</b>		Borehole No. BA-7 OW	Well Name MW - 23
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**Project:** Transit Mix  
**Location:** Pueblo, CO  
**Client:** Transit Mix  
**Contractor:** Dakota Drilling  
**Field Rep:** Sean Bailey, Brierley Associates

**Drill Rig:** CME-55

	Casing	Sampler
Type	HSA	SS
Inner Diameter (in)	4.25	1 3/8

**Location:** NW1/4 of SW1/4, Sec. 31, T20S, R63W, 6th PM

Depth (ft)	Sample Depth (ft)	USCS Symbol	Visual-Manual Identification & Description
0		CL	light-brown LEAN CLAY, mostly f-clay, trace f-sand, no odor, dry, low-moderate plasticity, FINE ALLUVIUM
5	5 - 6.5	CL	very stiff, light brown, LEAN CLAY, mostly f-clay, trace f-c sand, piece of c-gravel in nose of sampler, low-moderate plasticity, no odor, dry, FINE ALLUVIUM
10	10 - 11.5	SP	dense, brown, poorly graded SAND w/ gravel, mostly f-m sand, little-some f-c gravel, few c-sand, trace fines, no odor, wet, COARSE ALLUVIUM
15	15 - 16.5	SP	med. dense, light-brown, as above
20	20 - 21.5	SP	med. dense, as above, except few to little c-sand
25	25 - 26.5	SP	dense, as above
30	30 - 31.5		driller indicated possible BR @ 29.5', sampled @ 30', top 1", red-brown, highly weathered, Eco staining bottom 4", very soft, fresh, dark gray, clayey SHALE

**Water Location:** 6 ft

Note: Soil identifications based on visual-manual methods of the USCS system as practiced by Brierley Associates, LLC.

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1. WELL PERMIT NUMBER: MH-51158						
2. WELL OWNER INFORMATION						
NAME OF WELL OWNER: Transit Mix of Pueblo						
MAILING ADDRESS: 444 E Costilla St.						
CITY: Colorado Springs		STATE: Colorado		ZIP CODE: 80903		
TELEPHONE NUMBER w/area code: 719-475-0700						
3. WELL LOCATION AS DRILLED: SE 1/4, NW 1/4, Sec. 31 Twp 20 N or S, Range 63 E or W						
DISTANCES FROM SEC. LINES: 2,590 ft from N or S section line and 2,214 ft from E or W section line.						
SUBDIVISION: LOT, BLOCK, FILING (UNIT)						
Optional GPS Location: GPS Unit must use the following settings: Format must be UTM, Units must be meters, Datum must be NAD83, Unit must be set to true N, Zone 12 or Zone 13						
Owner's Well Designation: MW-24						
Easting:						
STREET ADDRESS AT WELL LOCATION: Northing:						
4. GROUND SURFACE ELEVATION 4,564 feet						
DATE COMPLETED 11/30/2012 TOTAL DEPTH 26.5 feet						
DRILLING METHOD hollow stem auger						
5. GEOLOGIC LOG:						
6. HOLE DIAM (in.) From (ft) To (ft)						
8 in. 0 26.5						
7. PLAIN CASING:						
OD (in) Kind Wall Size (in) From (ft) To (ft)						
2 in. PVC 0.154 in 0 15						
PERFORATED CASING: Screen Slot Size (in): 0.10 in						
2 in. PVC 0.154 in 15 25						
8. FILTER PACK:						
9. PACKER PLACEMENT:						
Material sand Type						
Size Interval 2 - 25 ft Depth						
10. GROUTING RECORD						
Material Amount Density Interval Placement						
concrete 0 - 0.5 ft						
cuttings 0.5 - 1 ft						
bentonite 1 - 2 ft						
11. DISINFECTION: Type Amt. Used						
12. WELL TEST DATA: Check box if Test Data is submitted on Form Number GWS 39 Supplemental Well Test.						
TESTING METHOD NA						
Static Level ft Date/Time measured: Production Rate gpm.						
Pumping Level ft Date/Time measured: Test Length (hrs)						
Remarks:						
13. I have read the statements made herein and know the contents thereof, and they are true to my knowledge. This document is signed (or name entered if filing online) and certified in accordance with Rule 17.4 of the Water Well Construction Rules, 2 CCR 402-2. The filing of a document that contains false statements is a violation of section 37-91-108(1)(e), C.R.S., and is punishable by fines up to \$5000 and/or revocation of the contracting license. If filing online the State Engineer considers entering of licensed contractor name to be compliance with Rule 17.4						
Company Name: Brierley Associates			Phone w/area code: 303-534-1777		License Number: ---	
Mailing Address: 110 16th St., Ste 700, Denver, CO 80202						
Sign (or enter name if filing online)		Print Name and Title				Date
Alexander Vega		Alexander Vega, Staff Engineer				03/21/13

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Borehole Geologic Log	Borehole No.	Well Name
	BA-9 OW	MW - 24

Project: Transit Mix  
Location: Pueblo, CO  
Client: Transit Mix  
Contractor: Dakota Drilling  
Field Rep: Sean Bailey, Brierley Associates

Location: SE1/4 of NW1/4, Sec. 31, T20S, R63W, 6th PM

Drill Rig: CME-55

	Casing	Sampler
Type	HSA	SS
Inner Diameter (in)	4.25	1 3/8

Depth (ft)	Sample Depth (ft)	USCS Symbol	Visual-Manual Identification & Description
0		CL	brown, LEAN CLAY, mostly f-clay, no odor, dry, low plasticity, FINE
			ALLUVIUM
		SP - SC	LEAN CLAY, grading to brown, poorly graded SAND w/ clay + gravel, some f-clay, little gravel, no odor, dry, COARSE ALLUVIUM
5	5 - 6.5	SP	loose, brown, poorly graded SAND, mostly f-m sand, trace c-sand, trace fines, no odor, wet, COARSE ALLUVIUM
10	10 - 11.5	SP	loose, dark-brown, as above, except trace of c-gravel
15	15 - 16.5	SP	med. dense, tan, as above, except some c-sand, few-little f-c gravel
20	20 - 21.5	SP	med-dense, light brown, as above
25	25 - 26.5	SP	dense, as above, top 15"
		BR	middle 1", SH, weathered sand, weathered, mottled, Eco stained bottom 2", very soft to soft, fresh, dark-gray, clayey SHALE, fissile, planar, dry to slt moist, mod-highly plastic clay, no odor, PIERRE SHALE

Water Location: 5 ft

Note: Soil identifications based on visual-manual methods of the USCS system as practiced by Brierley Associates, LLC.