Attachment S

Boring Logs and Abandonment Forms, Geotechnical Test Reports, and Test Pit Logs

S1 Direct Push Borings
S2 Test Pit Logs
S3 Rock Quality Borings
S4 Select Original Boring Logs

S2 Test Pit Logs

Test Pit Log

Project	Dane County Landfill Site No. 3 (Proposed)	Test Pit No.:	TP-3
Client:	Dane County Department of Waste and Renewables		
Project No.:	25222268.00	Surface Elevation:	898.9' amsl
Location:	4402 Brandt Road, Madison, Wisconsin 53718	Date Excavated:	12/03/2024

Sample No. (Depth)	Depth (ft.)	Soil/Rock Description and Geologic Origin for Each Major Geologic Unit	PID	USCS
	1	ORGANIC SILT (OL), very dark brown (10YR 2/2). (Topsoil)		OL
	2	LEAN CLAY (CL), grayish brown (2.5YR 4/2), mostly silt with clay, fine sand, trace gravel at depth, soft, cohesive, uniform, massive. (Loess)		CL
	3	SILTY SAND (SM), brown (10YR 5/3), fine to medium sand, with fine to coarse subrounded to rounded gravel (mostly dolomite), with cobbles, massive, uniform. (Till) (Holy Hill Formation, Horicon Member)		SM
	4			
	5			
	6			
	7			
	8	Depth to water at ~8'		
	9			
	10	DOLOMITE (DL2), pale yellow brown (10YR 6/2) and moderate yellowish brown (10YR 5/4), massive to slightly bedded, slightly fossiliferous, manganese and or iron nodules. (Sinnipee Group, Platteville Formation)		DL2
		End of TP-3 at 10' in Dolomite		
	11	Attempted to excavate into dolomite with 2' bucket but could not, switched to rock tooth and was able to excavate ~1' into rock.		
	12	TP-3 is ~9' wide and 20' long.		
	13	Backfilled by: 10' – 3' with silty sand till mixed with Dolomite, 3' – 0' lean clay.		
	14			
	15			

Water Level While Excavating:	~8'	General Notes	Equipment Used:	John Deere 470G
				2' bucket, rock tooth
At Completion:	~8'		Excavated by:	Bill Falk, Dane Co. Dept. Waste and Renewables
Depth to Water:	~8'		Logged by:	Jackie Rennebohm, PG
Depth to Cave In:	--			Date: 01/19/2025

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Test Pit Log

Project	Dane County Landfill Site No. 3 (Proposed)	Test Pit No.:	TP-12
Client:	Dane County Department of Waste and Renewables		
Project No.:	25222268.00	Surface Elevation:	~920' amsl
Location:	4402 Brandt Road, Madison, Wisconsin 53718	Date Excavated:	12/03/2024

Sample No. (Depth)	Depth (ft.)	Soil/Rock Description and Geologic Origin for Each Major Geologic Unit	PID	USCS
	1	ORGANIC SILT (OL), very dark brown (10YR 1/2), with clay, trace fine to medium sand. (Topsoil)		OL
	2	LEAN CLAY (CL), dark yellowish brown (10YR 4/6), mostly silt with clay, trace fine sand, soft, cohesive, uniform, massive. (Loess)		CL
	3	SILT SAND (SM), yellowish brown (10YR 5/6), fine to medium sand with fine to coarse subrounded to subangular gravel, (mostly dolomite), uniform, massive. (Till) (Holy Hill Formation, Horicon Member)		SM
	4			
	5	~7" pieces of Platteville Dolomite at 4-5', not continuous or extensive.		
	6	SANDSTONE (SS2), yellow (10YR 8/8) to brownish yellow (10YR 6/8), fine to medium sand, well sorted, loose, massive to planar bedded in cohesive pieces, iron stains, and nodular, trace calcite veins. (Ancell Group, St. Peter Formation, Tonti Member)		SS2
	7			
	8			
	9			
	10			
	11			
	12			
	13			
	14			
	15	Sandstone is a bit more consolidated, can hear bucket grinding at times.		
		End of TP at 15' bgs in Sandstone TP-12 is ~9' wide and 20' long. Backfilled: 15' – 3' with Sandstone. 3' – 0' lean clay and topsoil.		

Water Level While Excavating:	--	General Notes	Equipment Used:	John Deere 470G
				2' bucket
At Completion:	--		Excavated by:	Bill Falk, Dane Co. Dept. Waste and Renewables
Depth to Water:	--		Logged by:	Jackie Rennebohm, PG
Depth to Cave In:	--			Date: 01/19/2025

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Test Pit Log

Project	Dane County Landfill Site No. 3 (Proposed)	Test Pit No.:	TP-39
Client:	Dane County Department of Waste and Renewables		
Project No.:	25222268.00	Surface Elevation:	~896' amsl
Location:	4402 Brandt Road, Madison, Wisconsin 53718	Date Excavated:	12/03/2024

Sample No. (Depth)	Depth (ft.)	Soil/Rock Description and Geologic Origin for Each Major Geologic Unit	PID	USCS
	1	ORGANIC SILT (OL), very dark brown (10Y 1/2), with clay, fine to medium sand, and trace gravel. (Topsoil)		OL
	2	LEAN CLAY (CL), olive gray (5YR 4/2), mostly silt with clay, trace fine sand, soft, cohesive, uniform, massive. (Loess)		CL
	3			
	4	SILTY SAND (SM), strong brown (7.5YR 5/3), fine to coarse sand, with fine to coarse subrounded to subangular gravel, (mostly dolomite), trace clay, uniform, massive. (Till) (Holy Hill Formation, Horicon Member)		SM
	5			
	6	SILTY GRAVEL (GM), pale brown (2.5Y 7/4), mostly gravel (dolomite), with silt. (Dolomite Bedrock)		GM
	7	DOLOMITE (DL2), pale yellowish brown (10YR 6/2) and moderate yellowish brown (10YR 5/4), massive, slightly fossiliferous. (Sinnipee Group, Platteville Formation)		DL2
	8			
	9	More competent rock at ~9.25', cannot excavate through with bucket, switching to rock tooth.		
	10	Color change to gray (2.5Y 6/1)		
	11	Cannot excavate further with rock tooth.		
	12	End of TP at 11.3' in Dolomite		
	13	TP-39 is ~9' wide and 20' long.		
	14	Backfilled by: 11.3' – 3' poorly graded sand (imported by RG Huston), 3' – 0' with silty sand and clay.		
	15			

		General Notes		
Water Level While Excavating:	~6'		Equipment Used:	John Deere 470G
				2' bucket, rock tooth
At Completion:	~6'		Excavated by:	Bill Falk, Dane Co. Dept. Waste and Renewables
Depth to Water:	~6'		Logged by:	Jackie Rennebohm, PG
Depth to Cave In:	--			Date: 01/25/2025

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