Project: Willia	am C. Me	eredith Co	Boring No: HWMU-TW-1 Location: Impoundment			
Drilling Meth	ROLL WILLSON TOTAL	t Push		Total Depth of Boring: 36'		
Drilling Com				Initial Depth to Groundwater: 21.85'		
Driller: Samm		as	Final Depth to Groundwater: 21.80'			
		110110 /4 ft	Geologist: Jason P. Chappell			
Sampler Type			Geologist, Jason F. Chappell			
DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS Grass cover - Fill material - Brown, red, orange
	0-2		0.0			silt, sand, clay, fine to medium, no odor
				50%	SM	
4	4		0.0			
						Same fill, brown, red, orange, silt, sand, clay no odor
				90%	SM	
8	8		0.0			Same fill with some gravel fragments, brown,
						red, orange, silt, sand, clay, no odor
				100%	SM	
12	12		0.4			
						Same fill, with some gravel fragments, brown, orange, red, silt, sand, and clay, slightly damp, no odor
				100%	SM	
16	HWMU-T @ 16'	W-1	0.2			
- 1						Same fill, brown, orange, red, silt, sand, and clay, slightly damp, no odor
				100%	SM/SC	NATIVE Grow too cilt and and missessor
						NATIVE - Grey, tan, silt and sand, micaceous, damp, with slight odor at 20 feet
20	20		23.0			

# Soil Boring No. HWMU-TW-1 (cont)

Project: Willia	am C. Me	redith Co	Boring No: HWMU-TW-1			
Date Installed		roditir oo	Location: Impoundment			
Drilling Meth		t Push	Total Depth of Boring: 36'			
Drilling Com			Initial Depth to Groundwater: 21.85'			
Driller: Samm		ao	Final Depth to Groundwater: 21.80'			
Sampler Type		uouo // ft	Geologist: Jason P. Chappell			
			Geologist. Jason P. Chappell			
DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS Tan, clay, silt, and sand, fine, moist, slight odor
				75%	sc	
24	HWMU-T\ @ 24'	W-1	53.6			
24	<u> </u>	$\vdash$	55.5			Tan, orange, silt and sand, very micaceous,
						fine to medium with manganese oxide stains,
						moist, slight odor
				100%	SC	
				1 1		Tan, orange, pink, silt and sand, fine to medium,
						saprolitic with defined horizontal banding, moist
00	28		57.2			to wet with slight odor
28	20		31.2	<del></del>		Product at 28 feet, tan, orange, pink, silt and
				1 1		sand, saprolitic, white feldspar banding with
				1 1		some magnesium oxide stains, wet with strong
			85.3			odor (test kit indicated product)
				l [		
				100%	SC	
				1 1		
		$\vdash$		1 1		
32	32		53.0			
						Tan, orange, pink, silt and sand, saprolitic,
				, ,		very foliated with feldspar banding, micaceous
						with magnesium oxide banding, wet with
<del></del>		$\vdash$		{		strong odor (test kit indicated product)
				100%	SC	
36	36					Boring terminated at 36 feet
40						

# **ENVIRORISK CONSULTANTS, INC.**

#### MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: SMITH DRILLING

SUPERVISING GEOLOGIST: JPC

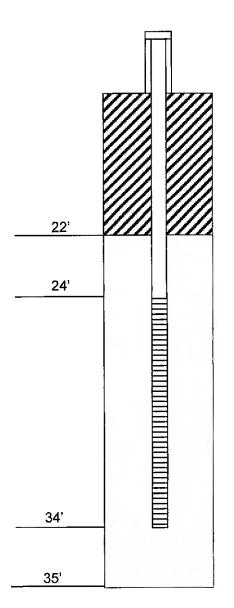
PROJECT NAME: W.C. MEREDITH

PROJECT LOCATION: EAST POINT, GEORGIA

**MONITORING WELL NO.: HWMU-1** 

**DATE OF INSTALLATION: 4/14/17** 

COMPLETED WITH CONCRETE PAD AND 3 FOOT PROTECTIVE STICK-UP COVER WITH LOCK



WELL RISER

MATERIAL: DIAMETER:

JOINT TYPE: LENGTH: <u>PVC</u>

2 INCH FLUSH THREADED

25 FEET

FIRST SEAL

TYPE OF SEAL: THICKNESS:

**BENTONITE SLURRY** 

22 FEET

FILTER PACK

TYPE OF FILTER:

SAND

DISTANCE ABOVE SCREEN: <u>2 FEET</u>

WELL SCREEN

SCREEN MATERIAL: DIAMETER: LENGTH: SLOT SIZE: <u>PVC</u> 2 INCH

0.010 INCHES

DEPTH TO BOTTOM OF MONITORING WELL: 34 FEET

DEPTH TO BOTTOM OF FILTER SAND: 35 FEET

Project: Willia		redith Co	Boring No: HWMU-TW-2			
Date Installe			Location: Impoundment			
<b>Drilling Meth</b>	od: Direc	t Push	Total Depth of Boring: 36			
<b>Drilling Com</b>		as	Initial Depth to Groundwater: 21.50'			
Driller: Samn			Final Depth to Groundwater: 24.00'			
Sampler Typ		uous (4 ft	Geologist: Jason P. Chappell			
DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
	0.0		0.0			Grass cover - Fill material - Brown, red, orange
	0-2		0.0			silt, sand, clay, fine to medium, no odor
· ·						
				50%	SM	
li l						
4	4	M 2	2.4			Comp 611 house and a second 211
	HWMU-T\ @ 5-6'	/v-2				Same fill, brown, red, orange, silt, sand, clay
-20	Ĕ					
				222		
				80%	SM	
TO SERVE STATE			650.00			
8	8		0.3			0 00
						Same fill with some gravel fragments, brown, red, orange, silt, sand, clay, no odor
8						red, Grange, Siit, Sand, Clay, No Odol
				100%	SM	
77	$\vdash$			10076	SIVI	
12	12		0.2			
14			0.2			Same fill, with some gravel fragments, brown,
						orange, red, silt, sand, and clay, slightly damp,
						no odor
3.5	$\vdash$					
				100%	SM	
1						
	$\vdash$					
16	16		0.5			
10	<del>                                     </del>		0.0			Same fill, brown, orange, red, silt, sand, and
						clay, slightly damp, no odor
	$\vdash$					
				50%	SM/SC	
MARKE NEW YORK						
20	20		0.4			

# Soil Boring No. HWMU-TW-2 (cont)

Project: Willia	am C. Me	eredith Co	Boring No: HWMU-TW-2			
Date Installed		54.11 00	Location: Impoundment Total Depth of Boring: 36'			
Drilling Meth		t Push				
Drilling Com			Initial Depth to Groundwater: 21.50'			
Driller: Samm		au	Final Depth to Groundwater: 24.00'			
Sampler Type		HOUG // ft	Geologist: Jason P. Chappell			
	SAMPLE		Geologist. Jason F. Chappell			
DEPTH	NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
			T.F.			Same fill, brown and orange, silt, sand, and
						clay, fine to medium, moist with slight odor
		$\vdash$				
				75%	SC	
						NATIVE - tan, orange, silt and sand, micaceous
						with manganese oxide staining, moist with
	HWMU-T	W-2		[		strong odor
24	@ 24	$\vdash$	48.2			Constant and the state of the s
						Orange, brown, pink, silt and sand, saprolitic with slight foliation, very micaceous, product
	-	-				smear zone at 25-26 feet, damp with strong
						odor (test kit indicates product)
						Table in managed producty
				75%	SC	
				1 [		
00	28		41.9			
28	20	$\vdash$	41.9			Grey, brown, tan, silt and trace sand, fine,
						strong odor, damp
				, I		
				100%	00	
		$\vdash$		100%	SC	Grey, brown, silt and trace sand, more foliation,
						very strong odor with obvious product smear
				1 1		zone, wet
32	32		166			
						Same, very foliated saprolite, wet with strong
						odor
				1 1		
				]		
20	1		ľ			Boring terminated at 36 feet
36				$\vdash$		Bonnig terminated at 30 feet
ı						
				1 1		
				]		
				, 1		
40						
10						

# **ENVIRORISK CONSULTANTS, INC.**

### MONITORING WELL CONSTRUCTION DETAILS

DRILLING FIRM: SMITH DRILLING SUPERVISING GEOLOGIST: JPC

PROJECT NAME: W.C. MEREDITH

20.5

23'

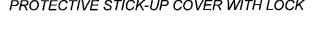
33'

35'

PROJECT LOCATION: EAST POINT, GEORGIA

DATE OF INSTALLATION: 4/14/17 **MONITORING WELL NO.: HWMU-2** 

> COMPLETED WITH CONCRETE PAD AND 3 FOOT PROTECTIVE STICK-UP COVER WITH LOCK





MATERIAL: DIAMETER: JOINT TYPE:

2 INCH **FLUSH THREADED** 

LENGTH:

25 FEET

#### FIRST SEAL

TYPE OF SEAL: THICKNESS:

**BENTONITE SLURRY** 

20.5 FEET

FILTER PACK

TYPE OF FILTER: DISTANCE ABOVE SCREEN:

SAND **2.5 FEET** 

WELL SCREEN

**SCREEN MATERIAL: PVC** DIAMETER: 2 INCH LENGTH: 10 FEET SLOT SIZE: 0.010 INCHES

DEPTH TO BOTTOM OF MONITORING WELL: 33 FEET

DEPTH TO BOTTOM OF FILTER SAND: 35 FEET

Project: Willia	m C. Me	redith Co	Boring No: HWMU-TW-3			
Date Installed			1 7	Location: Impoundment		
Drilling Metho		t Push		Total Depth of Boring: 30'		
Drilling Comp			Initial Depth to Groundwater: 21.93'			
Driller: Samm		uo	Final Depth to Groundwater: 22.30'			
		uouo /4 ft	maaraa	Geologist: Jason P. Chappell		
Sampler Type	. CORUIT		Geologist. Jason F. Chappell			
DEPTH	SAMPLE NUMBER	BLOWS/6"	PID/FID (ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
	0-2		0.0			Grass cover - Fill material - Brown, red, orange silt, sand, clay, fine to medium, some black
	0.2		0.0	1 1		fragments with oil odor at 4 feet
				1 1		
	HWMU-T\	N/ 2		50%	SM	
		vv-3 				
	@ 4'			{		
4	4		75.5			
						Same fill, brown, red, orange, silt, sand, clay
				1 1		black staining extends to 5 feet, slight odor to
				] [		8 feet
				75%	SM	
				15%	SIVI	
				1 1		
8	8		0.3			
						Same fill with some gravel fragments, brown,
				1 1		red, orange, silt, sand, clay, quartz fragments @ 9-10 feet, no odor to 12 feet
						o to look no odor to 12 leet
				1 1		
				100%	SM	
12	12		0.3			
						Same fill, with some gravel fragments, brown,
				ļ l		orange, red, silt, sand, and clay, slightly damp,
						no odor
				100%	SM	
				1 1		
				j l		
16	16		0.4	[		
16	σı		0.4	<del>                                     </del>		Same fill, brown, orange, red, silt, sand, and
						clay, slightly damp, no odor
				1 1		
				j l		
				] <u></u> [		Grey, brown, foliated saprolite begins at 18
				75%	SM/SC	feet, fine to medium, moist with slight odor
				1 1		
20	20		24.7	ı I		

Project: Willia	am C. Me	eredith Co	mpany	Boring No: HWMU-TW-3		
Date Installed				Location: Impoundment Total Depth of Boring: 30'		
Drilling Meth		ct Push				
Drilling Com				Initial Depth to Groundwater: 21.93'		
Driller: Samm				Final Depth to Groundwater: 22.30'		
Sampler Type		HOUS (4 ft	macroc	Geologist: Jason P. Chappell		
	SAMPLE	BLOWS/6"	PID/FID	- Corregion oddon i comppen		
DEPTH	SAMPLE NUMBER	BLOWS/6"	(ppm)	RECOVERY	USCS	GEOLOGIC DESCRIPTIONS/COMMENTS
						Orange, pink, tan, silt and sand, saprolitic,
		$\vdash$		1 1		some magnesium oxide staining, fine to medium moist with slight odor
				1 1		moist with slight odol
				1 1		
				100%	SC	
				1 1		
				1 1		
24	24	1 1	20.2	1 1		
27	<del></del>	$\vdash$		<del>                                     </del>		Same - saprolitic with more foliation, fine to
				1 1		medium, moist with strong odor at 26 feet
				1 1		
				ı l		
				100%	60	
		-		100%	SC	
				1 1		
Continues to the				1 1		
28	28					
	HWMU-T	W-3				Same, very well defined foliated saprolite
	@ 29'			1 1		
	29		86.6	1 1		Product smear zone at 29 feet (test kit indicated
				1 I		product)
				50%	SC	
						Boring Terminated at 30 feet
				1 1		
32						
				1 1		
				1 1		
				1 I		
36						
				1 1		
				J I		
				]		
				1 1		
40						
10						

# **ENVIRORISK CONSULTANTS, INC.**

#### **MONITORING WELL CONSTRUCTION DETAILS**

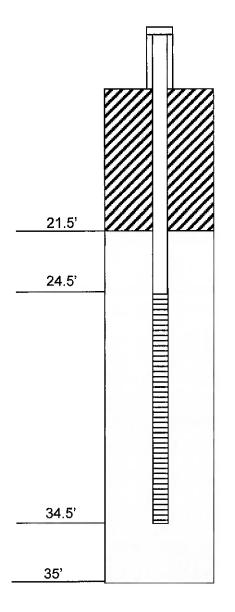
DRILLING FIRM: SMITH DRILLING SUPERVISING GEOLOGIST: JPC

PROJECT NAME: W.C. MEREDITH

PROJECT LOCATION: EAST POINT, GEORGIA

MONITORING WELL NO.: HWMU-3 DATE OF INSTALLATION: 4/13/17

COMPLETED WITH CONCRETE PAD AND 3 FOOT PROTECTIVE STICK-UP COVER WITH LOCK



WELL RISER

MATERIAL: PVC
DIAMETER: 2 INCH
JOINT TYPE: FLUSH THREADED

LENGTH:

**25 FEET** 

FIRST SEAL

TYPE OF SEAL: BENTONITE SLURRY

THICKNESS:

21.5 FEET

FILTER PACK

TYPE OF FILTER: SAND
DISTANCE ABOVE SCREEN: 3 FEET

WELL SCREEN

SCREEN MATERIAL:

DIAMETER:

LENGTH:

SLOT SIZE:

PVC
2 INCH
10 FEET
9.010 INCHES

DEPTH TO BOTTOM OF MONITORING WELL: 34.5 FEET

DEPTH TO BOTTOM OF FILTER SAND: 35 FEET