TES

TES ENVIRONMENTAL CONSULTANTS, L.L.C.

TEST PIT LOG SHEET

Date: 11/21/2022	Project No: 22-0059	Lot: Map 239, Lot 35
CSS: Thomas E. Sokoloski	Project Name: Beals Assoc./Mallego Rd/Barrington	Test Pit No: D-20-1

HOR	DEPTH	COLOR	TEXTURE	STRUCTURE	CONSISTENCY	REDOX FEATURES	NOTES
C	0-60"	10YR 5/6	Sand	Single grain	Loose	Many, coarse, distinct 7.5YR 5/8 concentrations @20"	No roots.

ESHWT: 20"

ROOTS: 12"

OBSERVED WATER: 36"

LEDGE: N/O

RESTRICTIVE LAYER: N/O

NOTES: Old sand pit, topsoil and subsoil removed. Thin grass vegetation next to sweet fern/white pine sapling stand.

Less than 5% gravel and stones to 4" diameter.

Permeameter tests 1-3 unsuccessful: amoozemeter could not saturate the soil.

STATE OF NEW HAMPSHIRE
THOMAS E. SOKOLOSKI
No. 063
11/22/22
CERTIFIED SOIL SCIENTIST

CSS STAMP

JAN 18 2023

LAND USE CHGO

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/2/22	PERMEAMETER NO.: 1523		
LOCATION: Tax Map 239, Lot 35 Mallego Road, Barrington Proposed stormwater basin	AIR TEMPERATURE:		
	BEGIN	27°F	
	FINAL	27°F	
TEST BY: Tom Sakolaski			
SOIL MAP UNIT: 350 Aldbaab	NOTES: Test Pit D20-1 * Amoozemeter could not saturate soil - water level didn't rise in borehole.		
HORIZON: C			
DISTURBED SITE: Yes			
SOIL LOG RECORDED: Yes			

SETUP CALCULATIONS			
HOLE DEPTH	d+	37	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H20 IN HOLE	H-	15	(15 CM MIN. – 5.9")
CHT TUBE SETTING	H1=	27	(SET TUBE FROM WATER LEVEL DOWN)

OUTFLOW CHAMBERS USED — 1 on = 20cm² CF

& associated Conversion Factor — 2 on = 105cm² CF

FIELD TEST	1	OF 12				
DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{sat}) = Q * Coeff A) A= 0.001163 when H=15cm	
cm	min	min/hr	(CF)	cm³/hr.	(cm / hr)	(in / hr)
				Mean K_{sat}		
				StDev K_{sat}		

JAN 18 2023

OFFICE USE ONLY

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/21/22	PERMEAMETER NO.: 1523		
LOCATION: Tax Map 239, Lot 35 Mallego Road, Barrington Proposed stormwater basin.	AIR TEMPERATURE:		
	BEGIN	27°F	
	FINAL	27°F	
TEST BY: Tom Sokoloski			
SOIL MAP UNIT: 350 Alldbaab	NOTES: Test Pit D-20-1		
HORIZON: C	* Amoozemeter could no saturate soil - water level didn't rise in borehole.		
DISTURBED SITE: Yes			
SOIL LOG RECORDED: Yes			

SETUP CALCULATIONS			
HOLE DEPTH	d+	34	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H20 IN HOLE	H -	15	(15 CM MIN. ~5.9")
CHT TUBE SETTING	H1=	24	(SET TUBE FROM WATER LEVEL DOWN)

OUTFLOW CHAMBERS USED — 1 on = 20cm² CF

& associated Conversion Factor — 2 on = 105cm² CF

FIELD TEST 2 OF 12

DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{SAT}) = Q * Coeff A) A= 0.001163 when H=15cm	
cm	min	min/hr	(CF)	cm³/hr.	(cm / hr)	(in / hr)
				Mean K_{SAT}		
				StDev K_{SAT}		

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/21/22	PERMEAMETER NO.: 1523		
LOCATION: Tax Map 239, Lot 35 Mallego Road, Barrington Proposed stormwater basin	AIR TEMPERATURE:		
	BEGIN	28°F	
	FINAL	28°F	
TEST BY: Tom Sakolaski			
SOIL MAP UNIT: 350 Aldbaab	NOTES: Test Pit D20-1 ☆ Amoozemeter could not saturate soil - water level didn't rise in borehole.		
HORIZON: C			
DISTURBED SITE: Yes			
SOIL LOG RECORDED: Yes			

SETUP CALCULATIONS			
HOLE DEPTH	d=	36	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H2O IN HOLE	H=	15	(15 CM MIN. – 5.9")
CHT TUBE SETTING	H1=	20	(SET TUBE FROM WATER LEVEL DOWN)

OUTFLOW CHAMBERS USED 1 on = 20cm² CF

& associated Conversion Factor 2 on = 105cm² CF

FIELD TEST	3	OF 12				
DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{sat}) = Q * Coeff A) A= 0.001169 when H=15cm	
cm	min	min/hr	(CF)	cm^3/hr.	(cm / hr)	(in / hr)
				Mean K_{sat}		
				StDev K_{sat}		

TES

TES ENVIRONMENTAL CONSULTANTS, L.L.C.

TEST PIT LOG SHEET

Date: 11/21/2022	Project No: 22-0059	Lot: Map 239, Lot 35
CSS: Thomas E. Sokoloski	Project Name: Beals Assoc./Mallego Rd/Barrington	Test Pit No: D-20-2

HOR	DEPTH	COLOR	TEXTURE	STRUCTURE	CONSISTENCY	REDOX FEATURES	NOTES
C1	0-28"	10YR 5/6	Sand	Single grain	Loose	Many, coarse, distinct 7.5YR 5/8 concentrations @22"	
C2	28-60"	2.5Y 3/3	Coarse sand	Single grain	Loose	Many, coarse, distinct 7.5YR 5/8 concentrations	

ESHWT: 22"

ROOTS: 14"

OBSERVED WATER: 40"

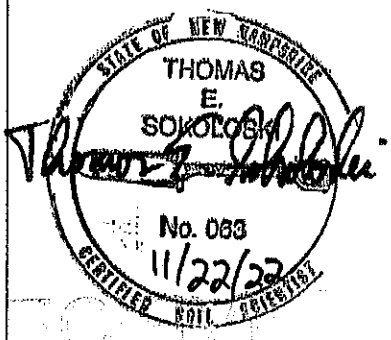
LEDGE: N/O

RESTRICTIVE LAYER: N/O

NOTES: Old sand pit, topsoil and subsoil removed. Sweet fern/white pine sapling stand next to thin grass vegetation.

5% gravel and stones to 4" diameter.

Permeameter tests 4 successful but may be too fast for reliability; Tests 5 and 6 unsuccessful: amoozemeter could not saturate the soil.



CSS STAMP

JAN 18 2023

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/21/22	PERMEAMETER NO.: 1523		
LOCATION: Tax Map 239, Lot 35 Mallego Road, Barrington Proposed stormwater basin	AIR TEMPERATURE: BEGIN	30°F	
	FINAL	30°F	
TEST BY: Tom Scholefield			
SOIL MAP UNIT: 350A Ridgebury	NOTES: Test Pit P-20-2 Test successful but considered marginal - fast infiltration - and subsequent 2 tests unsuccessful		
HORIZON: C1			
DISTURBED SITE: Yes			
SOIL LOG RECORDED: Yes			

SETUP CALCULATIONS:			
HOLE DEPTH	dt=	50	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H20 IN HOLE	H-	15	(15 CM MBL - 5.9")
CHT TUBE SETTING	H0=	40	(SET TUBE FROM WATER LEVEL DOWN)

OUTFLOW CHAMBERS USED & associated Conversion Factor

1 on = 20cm² CF

2 on = 105cm² CF

FIELD TEST 4 OF 12

DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{sat}) = Q * Coeff A) A= 0.001168 when H=15cm	
cm	min	min/hr	(CF)	cm³/hr.	(cm / hr)	(in / hr)
1.7	0.5	0.2083	105	21420	24.91	9.81
1.7	0.5	0.0083	105	21420	24.91	9.81
1.9	0.5	0.0083	105	23940	27.84	10.96
1.9	0.5	0.0083	105	23940	27.84	10.96
Mean K_{sat}					26.38	(10.38)
StDev K_{sat}					1.69	0.67

JAN 18 2023

Test near limit of accuracy for amoozemeter.

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/21/22	PERMEAMETER NO.: 1523		
LOCATION: Tax Map 239, Lot 35 Mellego Road, Barrington Proposed stormwater basin	AIR TEMPERATURE: BEGIN	31°F	
	FINAL	31°F	
TEST BY: Tom Scholefield			
SOIL MAP UNIT: 350A/d baa	NOTES: Test Pit D-70-2 * Could not saturate soil with amoozemeter - water level didn't rise in borehole.		
HORIZON: C1			
DISTURBED SITE: Yes			
SOIL LOG RECORDED: Yes			

SETUP CALCULATIONS:			
HOLE DEPTH	d+	59	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H2O IN HOLE	H-	15	(15 CM MIN. = 5.9")
CHT TUBE SETTING	H1=	49	(SET TUBE FROM WATER LEVEL DOWN)

OUTFLOW CHAMBERS USED 1 on = 20cm² CF

& associated Conversion Factor 2 on = 105cm² CF

FIELD TEST	5	OF 12				
DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{sat}) = Q * Coeff A) A= 0.001168 when H=15cm	
cm	min	min/hr	(CF)	cm³/hr.	(cm / hr)	(in / hr)
				Mean K_{sat}		
				StDev K_{sat}		

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/21/22	PERMEAMETER NO.: 1523
LOCATION: Tax Map 239, Lot 35 Mallego Road, Barrington Proposed stormwater basin	AIR TEMPERATURE: BEGIN 31°F FINAL 31°F
TEST BY: Tom Sokoloski	
SOIL MAP UNIT: 35DA/Idbaab	NOTES: Test Pit D-20-2 * Could not saturate soil with amoozemeter – water level did not rise in borehole.
HORIZON: C1	
DISTURBED SITE: Yes	
SOIL LOG RECORDED: Yes	

SETUP CALCULATIONS			
HOLE DEPTH	d=	56	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H20 IN HOLE	H-	15	(15 CM MIN. – 5.9")
CHT TUBE SETTING	H1=	46	(SET TUBE FROM WATER LEVEL DOWN)

OUTFLOW CHAMBERS USED — 1 on = 20cm² CF

& associated Conversion Factor — 2 on = 105cm² CF

FIELD TEST 6 OF 12

DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{sat}) = Q * Coeff A) A= 0.001163 when H=15cm	
cm	min	min/hr	(CF)	cm³/hr.	(cm / hr)	(in / hr)
				Mean K_{sat}		
				StDev K_{sat}		

JAN 18 2023

TES

TES ENVIRONMENTAL CONSULTANTS, L.L.C.

TEST PIT LOG SHEET

Date: 11/21/2022	Project No: 22-0059	Lot: Map 239, Lot 35
CSS: Thomas E. Sokoloski	Project Name: Beals Assoc./Mallego Rd/Barrington	Test Pit No: D-20-3

HOR	DEPTH	COLOR	TEXTURE	STRUCTURE	CONSISTENCY	REDOX FEATURES	NOTES
C1	0-60"	10YR 5/4	Sand	Single grain	Loose	Many, coarse, distinct 7.5YR 5/8 concentrations @20"	

ESHWT: 20"

ROOTS: 12"

OBSERVED WATER: 23"

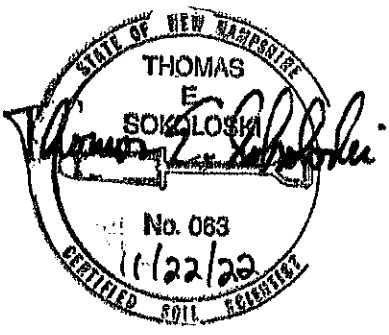
LEDGE: N/O

RESTRICTIVE LAYER: N/O

NOTES: Old sand pit, topsoil and subsoil removed. Sweet fern/white pine sapling stand next to thin grass vegetation.

Less than 5% gravel and stones to 6" diameter.

Permeameter tests 4 successful but may be too fast for reliability; Tests 5 and 6 unsuccessful: amoozemeter could not saturate the soil.



CSS STAMP

JAN 18 2023

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/21/22	PERMEAMETER NO.: 1523		
LOCATION: Tax Map 239, Lot 35 Mallego Road, Barrington Proposed stormwater basin	AIR TEMPERATURE:		
	BEGIN	31°F	
	FINAL	31°F	
TEST BY: Tom Sokolosld			
SOIL MAP UNIT: 350A 1d baab	NOTES: Test Pit D-20-3 * Could not saturate soil with amoozemeter - water level did not rise in borehole		
HORIZON: C1			
DISTURBED SITE: Yes			
SOIL LOG RECORDED: Yes			

SETUP CALCULATIONS			
HOLE DEPTH	d+	45	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H20 IN HOLE	H-	15	(15 CM MIN. – 5.9")
CHT TUBE SETTING	H1=	35	(SET TUBE FROM WATER LEVEL DOWN)

OUTFLOW CHAMBERS USED 1 on = 20cm² CF

& associated Conversion Factor 2 on = 105cm² CF

FIELD TEST	7	OF 12

DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{sat}) = Q * Coeff A) A= 0.001163 when H=15cm	
cm	min	min/hr	(CF)	cm³/hr.	(cm / hr)	(in / hr)
				Mean K_{sat}		
				StDev K_{sat}		

JAN 18 2023

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/21/22	PERMEAMETER NO.: 1523		
LOCATION: Tax Map 239, Lot 35 Mallego Road, Barrington Proposed stormwater basin	AIR TEMPERATURE:		
	BEGIN	31°F	
	FINAL	31°F	
TEST BY: Tom Scholefield			
SOIL MAP UNIT: 350A/d baab	NOTES: Test Pit D-20-3 * Could not saturate soil with amoozemeter - water level did not rise in borehole.		
HORIZON: C1			
DISTURBED SITE: Yes			
SOIL LOG RECORDED: Yes			

SETUP CALCULATIONS			
HOLE DEPTH	d+	40	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H2O IN HOLE	H-	15	(15 CM MBL = 5.9")
CHT TUBE SETTING	H1=	30	(SET TUBE FROM WATER LEVEL DOWN)

OUTFLOW CHAMBERS USED — 1 cm = 20cm² CF

& associated Conversion Factor — 2 cm = 105cm² CF

FIELD TEST	8	OF 12				
DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{sat}) = Q * Coeff A) A= 0.000163 when H=15cm	
cm	min	min/hr	(CF)	cm³/hr.	(cm / hr)	(in / hr)
				Mean K_{sat}		
				StDev K_{sat}		

JAN 18 2023

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/21/22	PERMEAMETER NO.: 1523		
LOCATION: Tax Map 239, Lot 35 Mallego Road, Barrington Proposed stormwater basin	AIR TEMPERATURE: BEGIN	31°F	
	FINAL	31°F	
TEST BY: Tom Saltalamacchia			
SOIL MAP UNIT: 350A Iddaab	NOTES: Test Pit D-20-3 *Could not saturate soil with amoozemeter - water level did not rise in borehole.		
HORIZON: C1			
DISTURBED SITE: Yes			
SOIL LOG RECORDED: Yes			

SETUP CALCULATIONS			
HOLE DEPTH	d+	48	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H20 IN HOLE	H-	15	(15 CM MIN. – 5.9")
CHT TUBE SETTING	H1=	38	(SET TUBE FROM WATER LEVEL DOWN)

OUTFLOW CHAMBERS USED — 1 on = 20cm² CF

& associated Conversion Factor — 2 on = 105cm² CF

FIELD TEST	9	OF 12				
DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{sat}) = Q * Coeff A) A= 0.001168 when H=15cm	
cm	min	min/hr	(CF)	cm³/hr.	(cm / hr)	(in / hr)
						JAN 18 2023
				Mean K_{sat}		
				StDev K_{sat}		

TES

TES ENVIRONMENTAL CONSULTANTS, L.L.C.

TEST PIT LOG SHEET

Date: 11/21/2022	Project No: 22-0059	Lot: Map 239, Lot 35
CSS: Thomas E. Sokoloski	Project Name: Beals Assoc./Mallego Rd/Barrington	Test Pit No: D-20-4

HOR	DEPTH	COLOR	TEXTURE	STRUCTURE	CONSISTENCY	REDOX FEATURES	NOTES
C1	0-24"	10YR 5/4	Sand	Single grain	Loose	Many, coarse, distinct 7.5YR 5/8 concentrations	
C2	24-60"	7.5YR 5/8	Coarse sand	Single grain	Loose	Many, coarse, distinct 7.5YR 5/8 concentrations @24"	

ESHWT: 24"

ROOTS: 12"

OBSERVED WATER: 30"

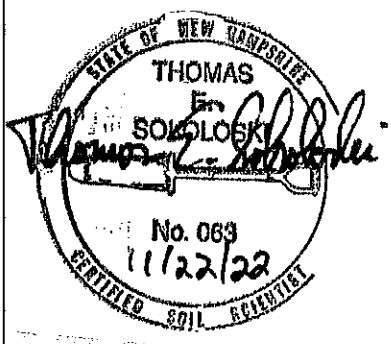
LEDGE: N/O

RESTRICTIVE LAYER: N/O

NOTES: Old sand pit, topsoil and subsoil removed. Sweet fern/white pine sapling stand next to thin grass vegetation.

Less than 5% gravel and stones to 8" diameter.

Permeameter tests 10-12 successful.



CSS STAMP

JAN 18 2023

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/21/22	PERMEAMETER NO.: 1523		
LOCATION: Tax Map 239, Lot 35 Mallego Road, Barrington Proposed stormwater basin	AIR TEMPERATURE:		
	BEGIN	32°F	
	FINAL	32°F	
TEST BY: Tom Sokoloski			
SOIL MAP UNIT: 350 A / 2baab	NOTES: Test Pit D-20-4		
HORIZON: C1			
DISTURBED SITE: Yes			
SOIL LOG RECORDED: Yes			

SETUP CALCULATIONS			
HOLE DEPTH	d+	41	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H20 IN HOLE	H-	15	(15 CM MIN. ~5.9")
CHT TUBE SETTING	H1=	31	(SET TUBE FROM WATER LEVEL DOWN)

[redacted]

OUTFLOW CHAMBERS USED 1 on = 20cm² CF

& associated Conversion Factor 2 on = 105cm² CF

FIELD TEST	10	OF 12				
DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		2 OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{SAT}) = Q * Coeff A) A= 0.001163 when H=15cm	
cm	min	min/hr	(CF)	cm³/hr.	(cm / hr)	(in / hr)
1.0	1	0.016	105	6300	7.33	2.88
0.9	1	0.016	105	5670	6.59	2.60
1.1	1	0.016	105	6930	8.06	3.17
1.3	1	0.016	105	8190	9.52	3.75
				Mean K_{SAT}	7.88	3.10
				StDev K_{SAT}	1.25	0.49

JAN 18 2023

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/21/22	PERMEAMETER NO.: 1523		
LOCATION: Tax Map 239, Lot 35 Mallego Road, Barrington Proposed stormwater basin	AIR TEMPERATURE:		
	BEGIN	32°F	
	FINAL	32°F	
TEST BY: Tom Sokoloski			
SOIL MAP UNIT: 350A/dbaab	NOTES: Test pit D-20-4		
HORIZON: C1			
DISTURBED SITE: Yes			
SOIL LOG RECORDED: Yes			

SETUP CALCULATIONS			
HOLE DEPTH	d+	41	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H20 IN HOLE	H-	15	(15 CM MIN. ~5.9")
CHT TUBE SETTING	H1=	31	(SET TUBE FROM WATER LEVEL DOWN)

[redacted]

OUTFLOW CHAMBERS USED 1 on = 20cm² CF

& associated Conversion Factor 2 on = 105cm² CF

FIELD TEST 11 OF 12						
DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{SAT}) = Q * Coeff A) A= 0.001163 when H=15cm	
cm	min	min/hr	(CF)	cm³/hr.	(cm / hr)	(in / hr)
1.4	1	0.016	105	8820	10.26	4.04
1.3	1	0.016	105	8190	9.52	3.75
1.3	1	0.016	105	8190	9.52	3.75
1.4	1	0.016	105	8820	10.26	4.04
				Mean K_{SAT}	9.89	3.89
				StDev K_{SAT}	0.42	0.17

JAN 18 2023

Amoozemeter Field Data Sheet

TES Environmental Consultants, LLC

DATE: 11/21/22	PERMEAMETER NO.: 1523		
LOCATION: Tax Map 239, Lot 35 Mallego Road, Barrington Proposed stormwater basin	AIR TEMPERATURE:		
	BEGIN	32°F	
	FINAL	32°F	
TEST BY: Tom Sokolaski			
SOIL MAP UNIT: 350 A/Adbaak	NOTES: Test Pit D-204		
HORIZON: C1			
DISTURBED SITE: Yes			
SOIL LOG RECORDED: Yes			

SETUP CALCULATIONS			
HOLE DEPTH	d+	42	(BOTTOM OF HOLE TO SURFACE)
SURFACE TO REF. LINE	+	5	(ON AMOOZEMETER)
DEPTH OF H2O IN HOLE	H-	15	(15 CM MIN. – 5.9")
CHT TUBE SETTING	H1=	32	(SET TUBE FROM WATER LEVEL DOWN)

OUTFLOW CHAMBERS USED — 1 on = 20cm² CF

& associated Conversion Factor — 2 on = 105cm² CF

FIELD TEST	12	OF 12				
DROP IN WATER LEVEL IN FLOW RES. (1)	ELAPSED TIME (2)		2 OUTFLOW CHAMBER(S) USED (3)	OUTFLOW (Q) (1*3)/2 = (Q)	SATURATED HYDRAULIC CONDUCTIVITY (K_{sat}) = Q * Coeff A) A= 0.001163 when H=15cm	
cm	min	min/hr	(CF)	cm³/hr.	(cm / hr)	(in / hr)
0.9	1	0.016	105	5670	6.59	2.60
0.9	1	0.016	105	5670	6.59	2.60
0.8	1	0.016	105	5040	5.86	2.31
0.9	1	0.016	105	5040	5.86	2.31
				Mean K_{sat}	6.23	2.45
				StDev K_{sat}	0.42	0.17

JAN 18 2023

X (10-12) = 3.15 in./hr.