Appendix C

Well Construction and Development Forms

WI Unique Well No. DM435
DNR Well ID No. 001

WELL DETAIL INFORMATION SHEET

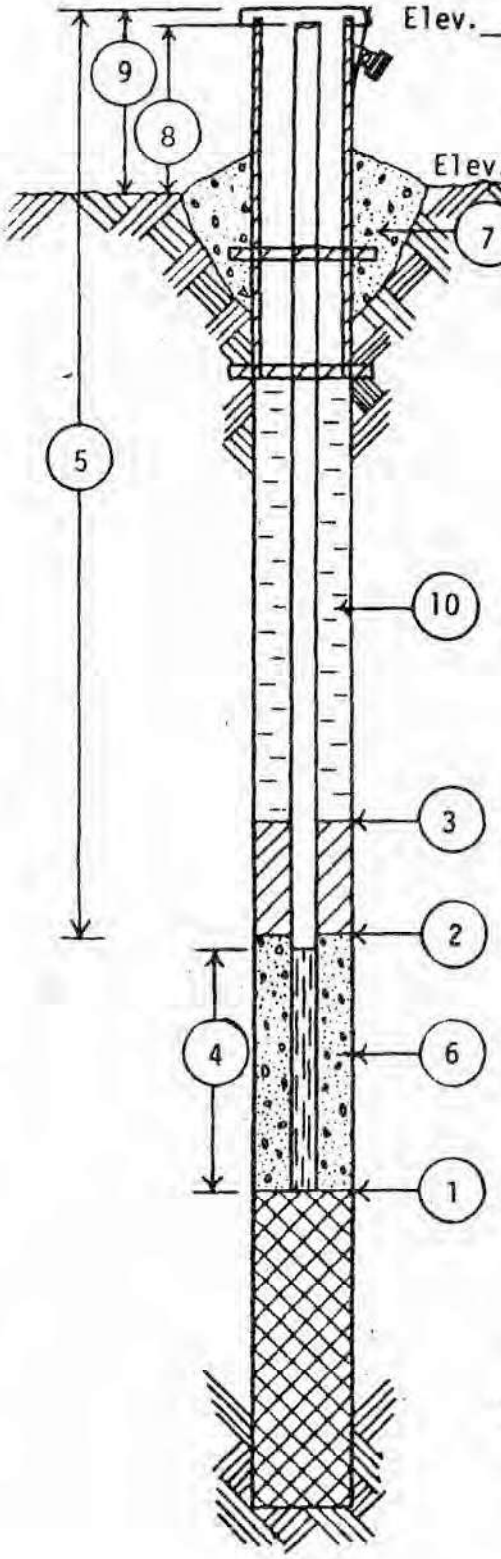
JOB NO. 542

BORING NO. MW-1

DATE 6/07/84

CHIEF R. Levra

LOCATION Adams County, WI



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

(1) DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 40.0 FEET.

(2) DEPTH OF BOTTOM OF SEAL (if installed) 7.0 FEET.

(3) DEPTH TO TOP OF SEAL (if installed) 2.0 FEET.

(4) LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 15.0 FEET. (Circle One)

(5) TOTAL LENGTH OF PIPE 27.0 FEET @ 2 IN. DIAMETER.

(6) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Mirafi.

(7) CONCRETE CAP, (YES) NO (Circle One)

(8) HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.

(9) PROTECTIVE CASING? (YES) NO (Circle One)
HEIGHT ABOVE GROUND 2.1'.
LOCKING CAP? (YES) NO (Circle One)

(10) TYPE OF BACKFILL: Sand

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

WI Unique Well No. DM436
DNR Well ID No. 002

WELL DETAIL INFORMATION SHEET

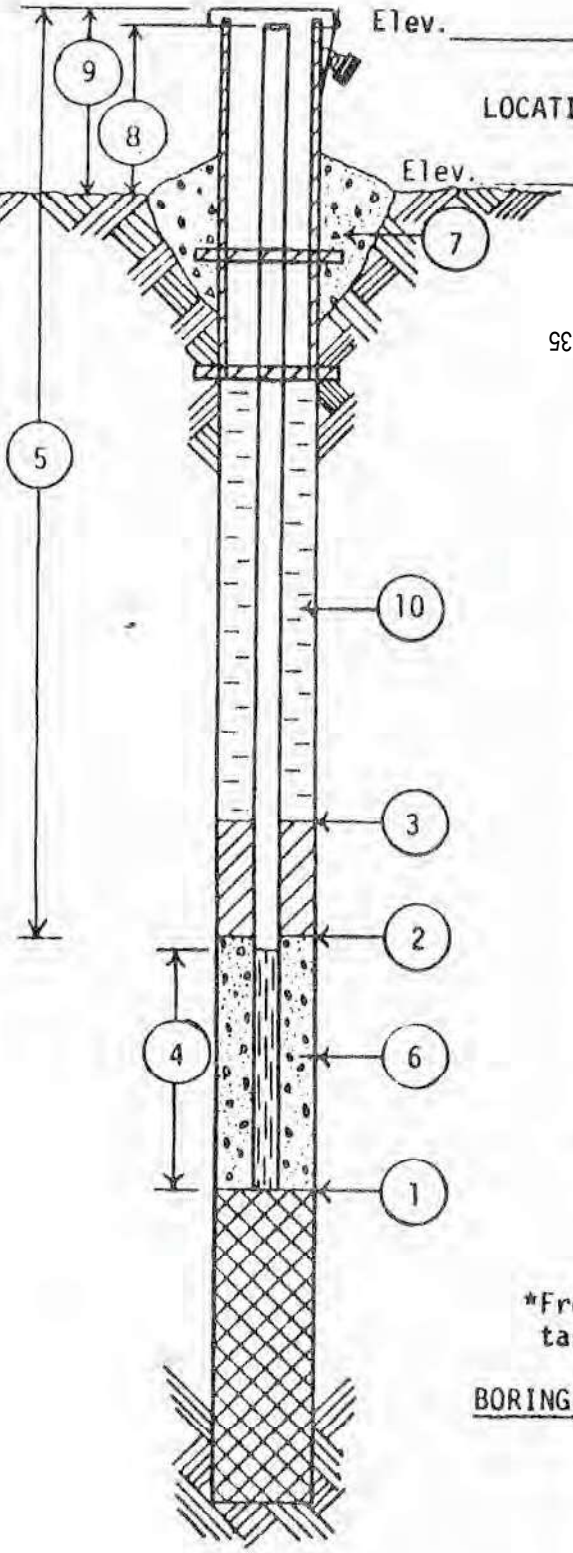
JOB NO. 1084

BORING NO. MW-1P

DATE 7-15-87

CHIEF L.E.

LOCATION Adams County Landfill, WI



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

TO BOTTOM OF WELL POINT OR
ED PIPE 70.0 FEET.

(2) DEPTH OF BOTTOM OF SEAL (if installed)
62.8 FEET.

(3) DEPTH TO TOP OF SEAL (if installed)
Ground Surface FEET.

(4) LENGTH OF WELL POINT, (PVC WELL SCREEN,)
OR SLOTTED PIPE 5.0 FEET. (Circle One)

(5) TOTAL LENGTH OF PIPE 66.9 FEET
@ 2 IN. DIAMETER.

(6) TYPE OF FILTER MATERIAL AROUND WELL
POINT OR SLOTTED PIPE Sand 30 .

(7) CONCRETE CAP, (YES) NO (Circle One)

(8) HEIGHT OF WELL CASING ABOVE GROUND
1.9 FEET.

(9) PROTECTIVE CASING? (YES) NO (Circle One)
HEIGHT ABOVE GROUND 2.0' .
LOCKING CAP? (YES) NO (Circle One)

(10) TYPE OF BACKFILL: Bentonite Grout

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-1P

WELL DIAMETER 2"

TOTAL DEPTH 70.0'

DEPTH TO WATER 23.1'

AFTER 30.0'

PROJECT Adams Co. Landfill

PROJECT NO. 1084

DATE 7-17-87

DEVELOPED BY L.E.

DESCRIPTION OF DEVELOPMENT METHOD

Surged and pumped

VOLUME OF WATER REMOVED FROM WELL 40 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Cloudy

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Cloudy

VOLUME OF WATER ADDED TO WELL --

SOURCE OF WATER ADDED TO WELL --

TIME SPENT FOR DEVELOPMENT 1.5 Hour

COMMENTS:

WI Unique Well No. DM436
DNR Well ID No. 002

WISCONSIN TEST DRILLING INC.
SOIL AND FOUNDATION EXPLORATION
101 ALDERSON
P. O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090

WI Unique Well No. DM437
DNR Well ID No. 003

WELL DETAIL INFORMATION SHEET

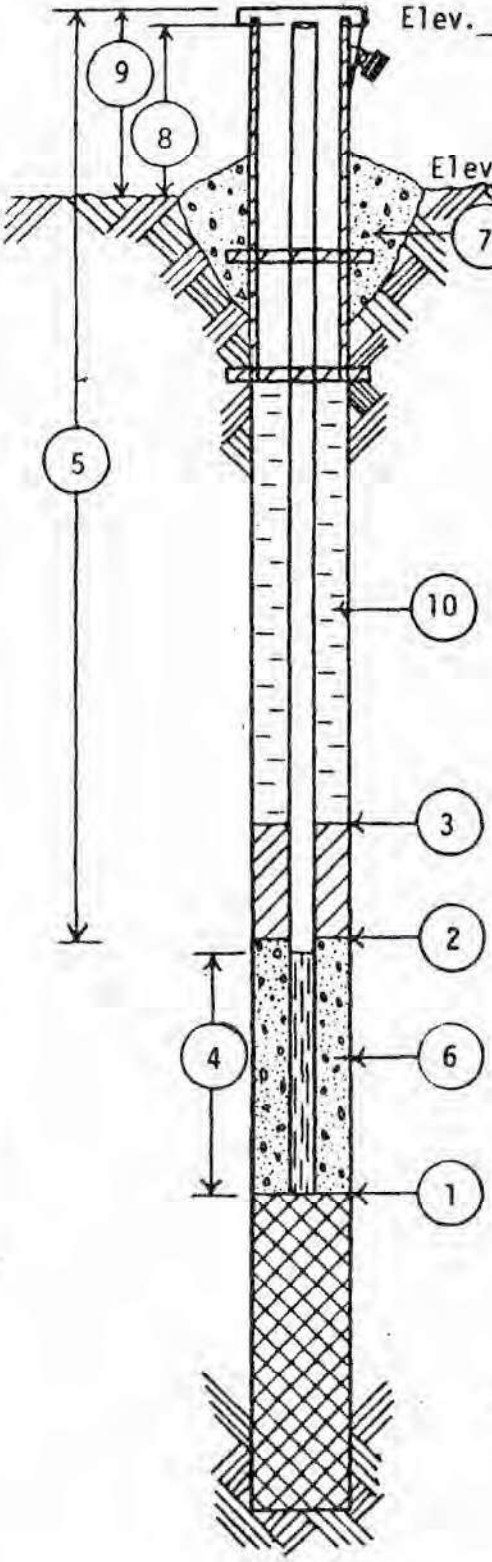
JOB NO. 542

BORING NO. MW-2

DATE 6/6/84

CHIEF R. Levra

LOCATION Adams County, WI



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

(1) DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 36.0 FEET.

(2) DEPTH OF BOTTOM OF SEAL (if installed) 7.0 FEET.

(3) DEPTH TO TOP OF SEAL (if installed) 2.0 FEET.

(4) LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 15.0 FEET. (Circle One)

(5) TOTAL LENGTH OF PIPE 23.0 FEET @ 2 IN. DIAMETER.

(6) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Mirafi.

(7) CONCRETE CAP, (YES) NO (Circle One)

(8) HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.

(9) PROTECTIVE CASING? (YES) NO (Circle One)
HEIGHT ABOVE GROUND 2.1'.
LOCKING CAP? (YES) NO (Circle One)

(10) TYPE OF BACKFILL: Sand

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

WI Unique Well No. DM438
DNR Well ID No. 004

WELL DETAIL INFORMATION SHEET

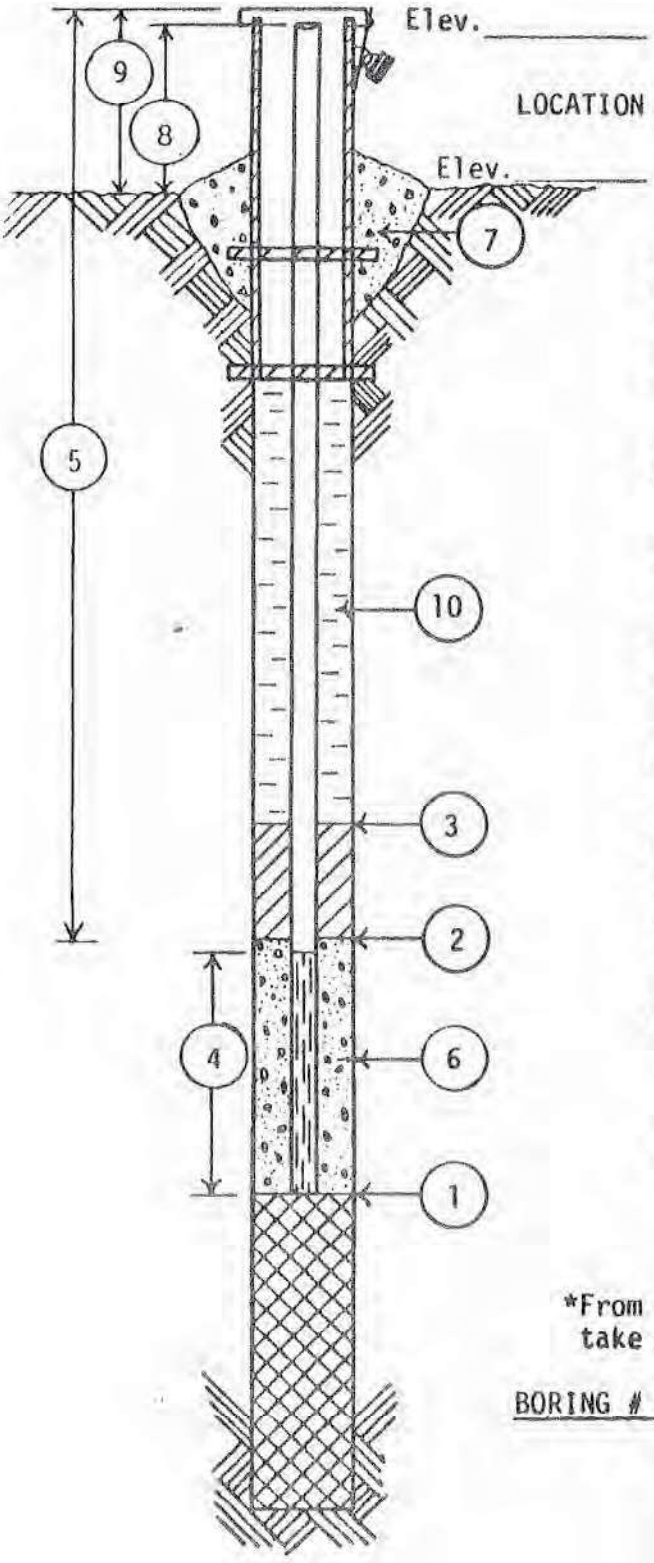
JOB NO. 1084

BORING NO. MW-2P

DATE 7-14-87

CHIEF L.E.

LOCATION Adams County Landfill, WI



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

(1) DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 65.0 FEET.

(2) DEPTH OF BOTTOM OF SEAL (if installed) 58.0 FEET.

(3) DEPTH TO TOP OF SEAL (if installed) _____ FEET.

(4) LENGTH OF WELL POINT, (PVC WELL SCREEN,) OR SLOTTED PIPE 5.0 FEET. (Circle One)

(5) TOTAL LENGTH OF PIPE 61.9 FEET @ 2 IN. DIAMETER.

(6) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Sand 30.

(7) CONCRETE CAP, (YES) NO (Circle One)

(8) HEIGHT OF WELL CASING ABOVE GROUND 1.9 FEET.

(9) PROTECTIVE CASING? (YES) NO (Circle One)
HEIGHT ABOVE GROUND 2.0'.
LOCKING CAP? (YES) NO (Circle One)

(10) TYPE OF BACKFILL: Bentonite Grout

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-2P

WELL DIAMETER 2"

TOTAL DEPTH 65.0'

DEPTH TO WATER 26.5'

AFTER 26.6'

PROJECT Adams Co. Landfill

PROJECT NO. 1084

DATE 7-17-87

DEVELOPED BY I.E.

DESCRIPTION OF DEVELOPMENT METHOD

Surged and pumped

VOLUME OF WATER REMOVED FROM WELL 40 Gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Muddy

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Cloudy

VOLUME OF WATER ADDED TO WELL --

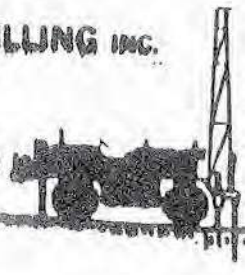
SOURCE OF WATER ADDED TO WELL --

TIME SPENT FOR DEVELOPMENT 1 hour

COMMENTS:

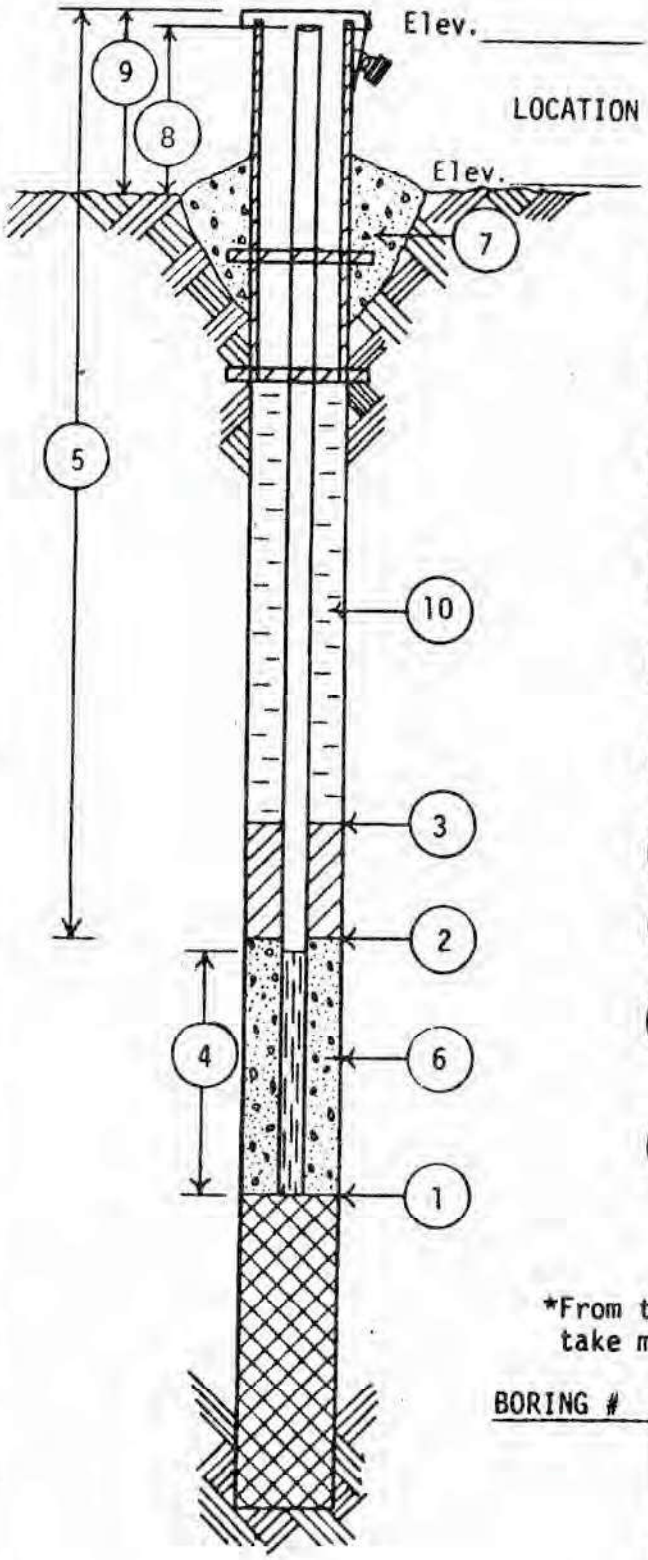
WI Unique Well No. DM438
DNR Well ID No. 004

WISCONSIN TEST DRILLING INC.
SOIL AND FOUNDATION EXPLORATION
101 ALDERSON
P. O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090



WI Unique Well No. DM439
DNR Well ID No. 005

WELL DETAIL INFORMATION SHEET



JOB NO. 542

BORING NO. MW-3

DATE 6/6/84

CHIEF R. Levra

LOCATION Adams County Wisconsin

All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

(1) DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 41.0 FEET.

(2) DEPTH OF BOTTOM OF SEAL (if installed) 7.0 FEET.

(3) DEPTH TO TOP OF SEAL (if installed) 5.0 FEET.

(4) LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 15.0 FEET. (Circle One)

(5) TOTAL LENGTH OF PIPE 28.0 FEET @ 2 IN. DIAMETER.

(6) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Mirafi.

(7) CONCRETE CAP, (YES) NO (Circle One)

(8) HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.

(9) PROTECTIVE CASING? (YES) NO (Circle One)
HEIGHT ABOVE GROUND 2.1'.
LOCKING CAP? (YES) NO (Circle One)

(10) TYPE OF BACKFILL: Sand

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

WI Unique Well No. DM440
DNR Well ID No. 006

WELL DETAIL INFORMATION SHEET

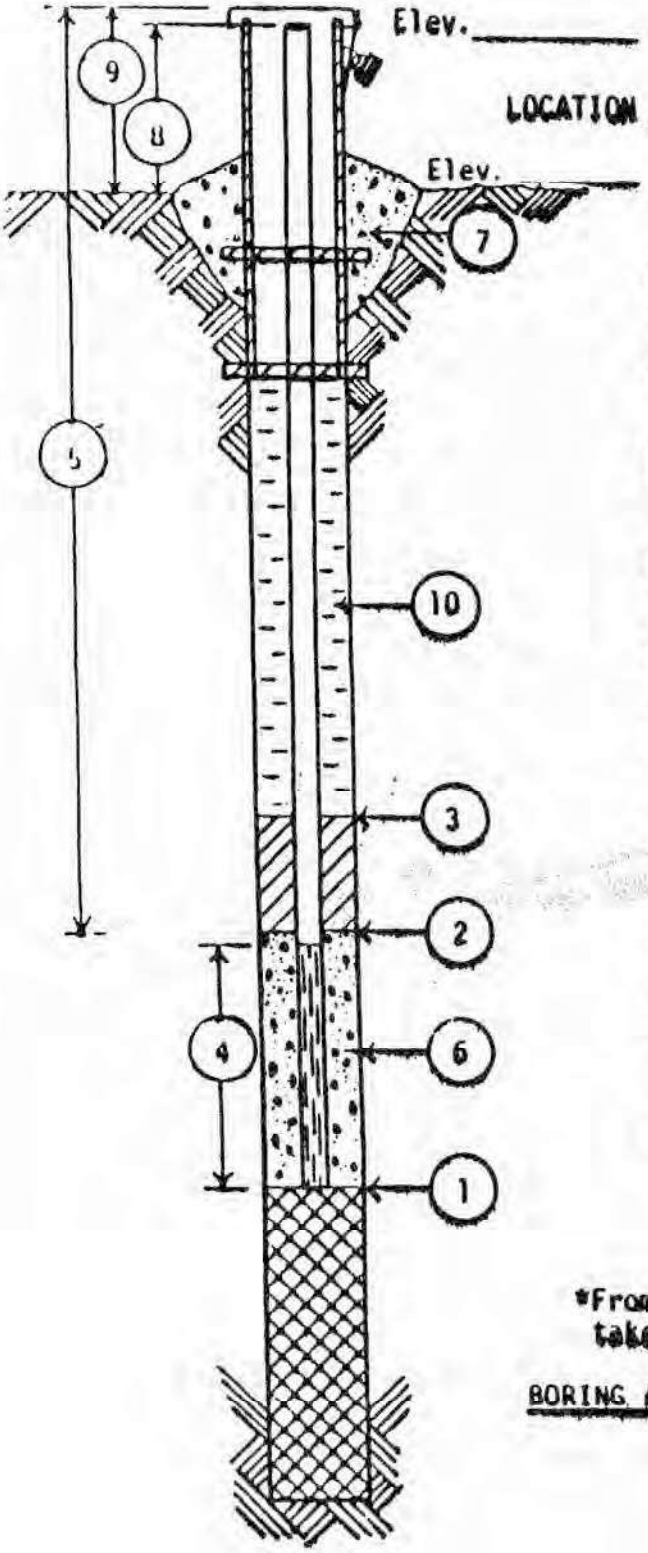
JOB NO. 875

BORING NO. MW-3P

DATE 6-12-86

CHIEF J.W.

LOCATION Adams County



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

1. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 70.0 FEET.
2. DEPTH OF BOTTOM OF SEAL (if installed) 62.5 FEET.
3. DEPTH TO TOP OF SEAL (if installed) 58.1 FEET.
4. LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 5.0 FEET. (Circle One)
5. TOTAL LENGTH OF PIPE 65.0 FEET @ 2 IN. DIAMETER.
6. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flint Sand.
7. CONCRETE CAP, (YES) NO (Circle One)
8. HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.
9. PROTECTIVE CASING? (YES) NO (Circle One)
   HEIGHT ABOVE GROUND 2.3'.
   LOCKING CAP? (YES) NO (Circle One)
10. TYPE OF BACKFILL: Bentonite Slurry

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-3P

WELL DIAMETER 2"

TOTAL DEPTH 76.0'

DEPTH TO WATER 20.5'

After Development 65.0'

PROJECT Adams Co. Landfill

PROJECT NO. 875

DATE 6-12-86

DEVELOPED BY C.B.

DESCRIPTION OF DEVELOPMENT METHOD

Surged 5 minutes, then bailed.

VOLUME OF WATER REMOVED FROM WELL 47 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Cloudy

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Cloudy

VOLUME OF WATER ADDED TO WELL --

SOURCE OF WATER ADDED TO WELL --

TIME SPENT FOR DEVELOPMENT 2.5 hours

COMMENTS:

WI Unique Well No. DM440
DNR Well ID No. 006

WISCONSIN TEST DRILLING INC.
SOIL AND FONDATION EXPLORATION

101 ALDERSON
P. O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090

WELL DETAIL INFORMATION SHEET

WI Unique Well No. DM441
DNR Well ID No. 007

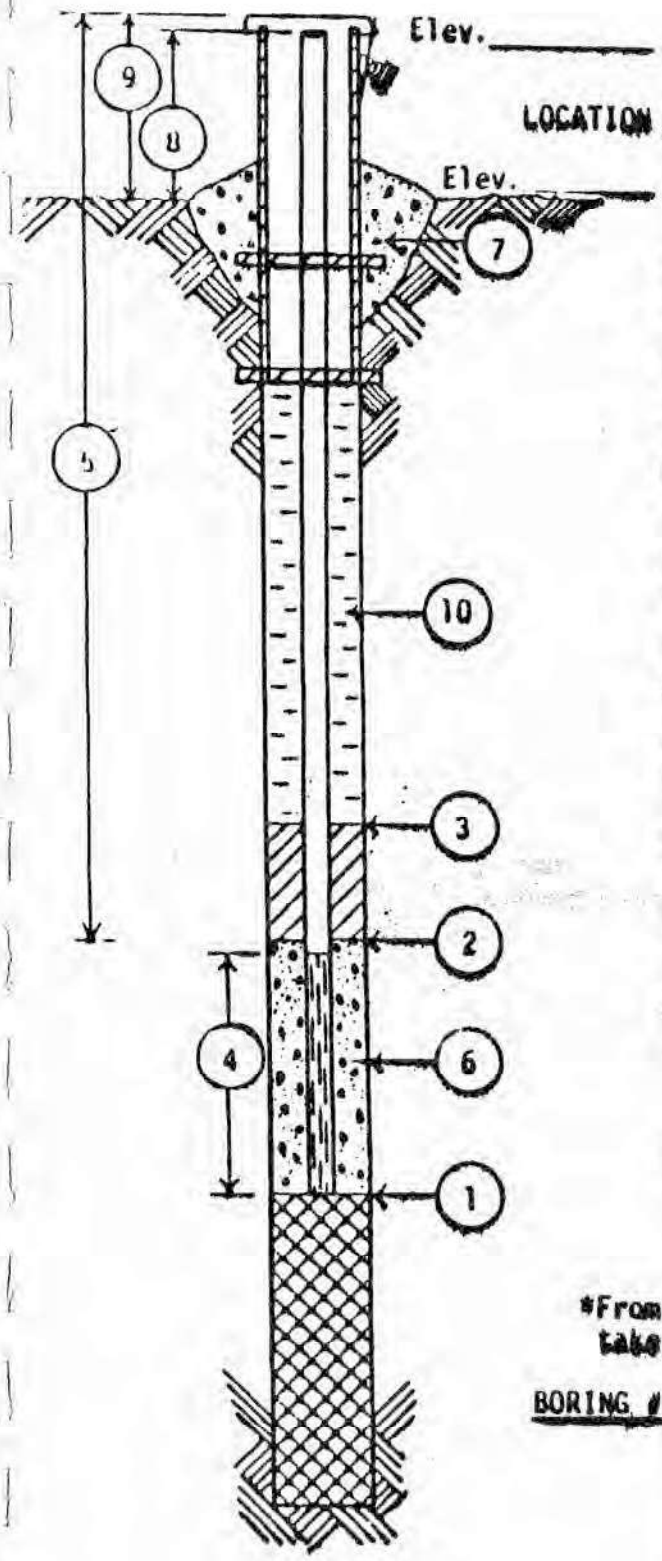
JOB NO. 875

BORING NO. MW-6

DATE 6-9-86

CHIEF J.W.

LOCATION Adams County



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

1. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 42.0 FEET.
2. DEPTH OF BOTTOM OF SEAL (if installed) 25.0 FEET.
3. DEPTH TO TOP OF SEAL (if installed) 22.5 FEET.
4. LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 15.0 FEET. (Circle One)
5. TOTAL LENGTH OF PIPE 29.0 FEET @ 2 IN. DIAMETER.
6. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flint Sand.
7. CONCRETE CAP, (YES) NO (Circle One)
8. HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.
9. PROTECTIVE CASING? (YES) NO (Circle One)
   HEIGHT ABOVE GROUND 2.3'.
   LOCKING CAP? (YES) NO (Circle One)
10. TYPE OF BACKFILL: Bentonite Slurry

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-6

WELL DIAMETER 2"

TOTAL DEPTH 42.0'

DEPTH TO WATER 30.1'

After Development: 36.5'

PROJECT Adams Co. Landfill

PROJECT NO. 875

DATE 6-12-86

DEVELOPED BY C.B.

DESCRIPTION OF DEVELOPMENT METHOD

Surged 5 minutes, then bailed.

VOLUME OF WATER REMOVED FROM WELL 43 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Dirty brown

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Cloudy

VOLUME OF WATER ADDED TO WELL --

SOURCE OF WATER ADDED TO WELL --

TIME SPENT FOR DEVELOPMENT 1.5 hours

COMMENTS:

WI Unique Well No. DM441
DNR Well ID No. 007

WISCONSIN TEST DRILLING INC.
SOIL AND FONDATION EXPLORATION

101 ALDERSON
P. O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090

WELL DETAIL INFORMATION SHEET

WI Unique Well No. DM442
DNR Well ID No. 008

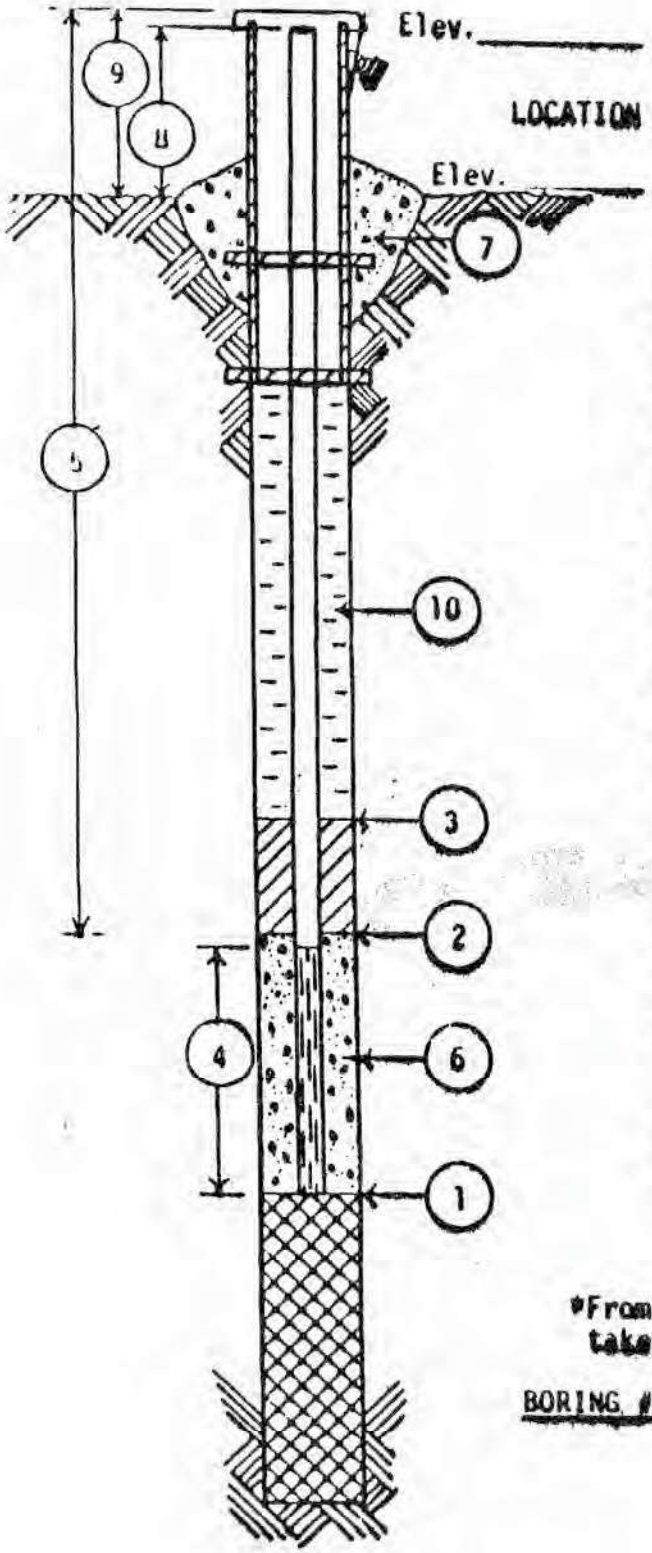
JOB NO. 875

BORING NO. MW-6P

DATE 6-10-86

CHIEF J.W.

LOCATION Adams County



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

(1) DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 72.2' FEET.

(2) DEPTH OF BOTTOM OF SEAL (if installed) 64.0 FEET.

(3) DEPTH TO TOP OF SEAL (if installed) 60.0 FEET.

(4) LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 5.0 FEET. (Circle One)

(5) TOTAL LENGTH OF PIPE 67.0 FEET @ 2 IN. DIAMETER.

(6) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flint Sand.

(7) CONCRETE CAP, (YES) NO (Circle One)

(8) HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.

(9) PROTECTIVE CASING? (YES) NO (Circle One)
HEIGHT ABOVE GROUND 2.3'.
LOCKING CAP? (YES) NO (Circle One)

(10) TYPE OF BACKFILL: Bentonite Slurry

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-6P

WELL DIAMETER 2"

TOTAL DEPTH 72.2'

DEPTH TO WATER 39.0'

After Development: 46.5'

PROJECT Adams Co. Landfill

PROJECT NO. 875

DATE 6-12-86

DEVELOPED BY C.B.

DESCRIPTION OF DEVELOPMENT METHOD

Surged 5 minutes, then bailed.

VOLUME OF WATER REMOVED FROM WELL 49 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Clear

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Clear

VOLUME OF WATER ADDED TO WELL --

SOURCE OF WATER ADDED TO WELL --

TIME SPENT FOR DEVELOPMENT 2.5 hours

COMMENTS:

WI Unique Well No. DM442
DNR Well ID No. 008

WISCONSIN TEST DRILLING INC.
SOIL AND FONDATION EXPLORATION
101 ALDERSON
P. O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090

WI Unique Well No. DM443
DNR Well ID No. 009

WELL DETAIL INFORMATION SHEET

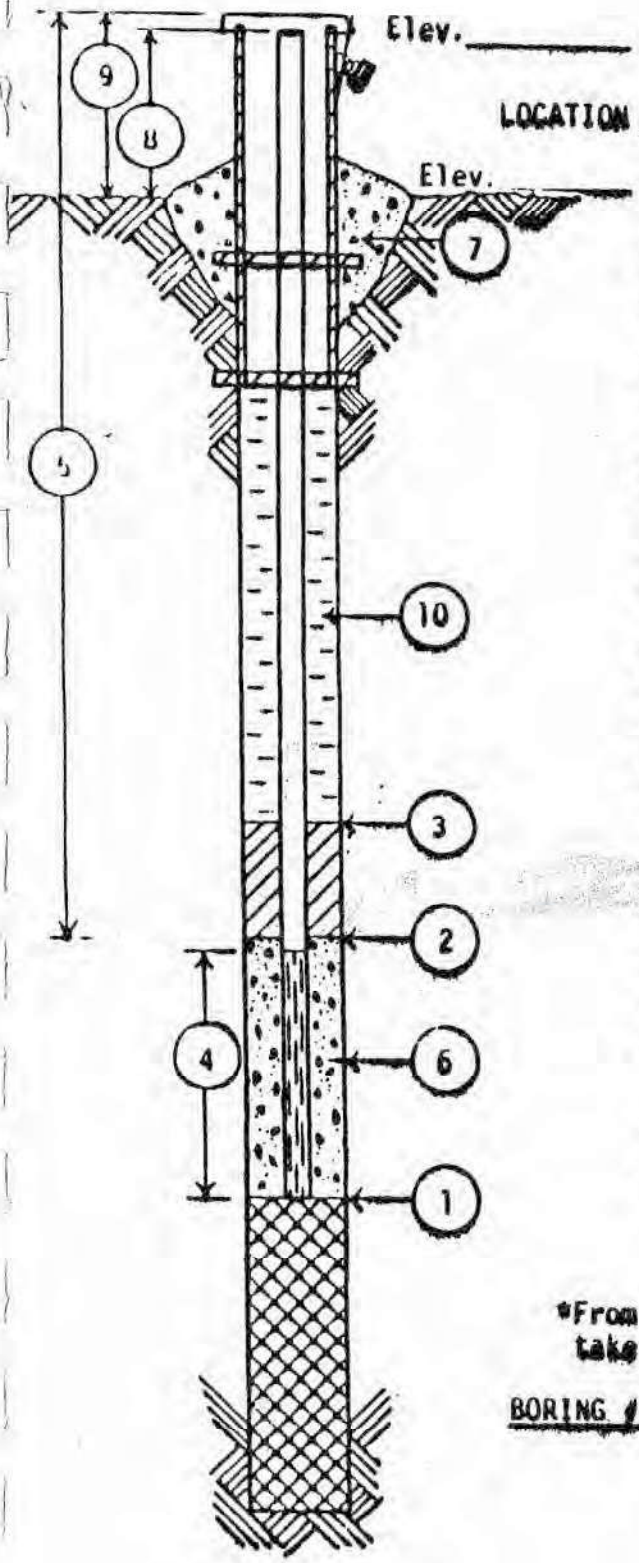
JOB NO. 875

BORING NO. MW-7

DATE 6-10-86

CHIEF T. Kesy

LOCATION Adams County



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

1. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 33.8 FEET.
2. DEPTH OF BOTTOM OF SEAL (if installed) 23.0 FEET.
3. DEPTH TO TOP OF SEAL (if installed) 19.0 FEET.
4. LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 10.0 FEET. (Circle One)
5. TOTAL LENGTH OF PIPE 25.8 FEET @ 2 IN. DIAMETER.
6. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Filter Sand.
7. CONCRETE CAP. (YES) NO (Circle One)
8. HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.
9. PROTECTIVE CASING? (YES) NO (Circle One)
   HEIGHT ABOVE GROUND 2.0.
   LOCKING CAP? (YES) NO (Circle One)
10. TYPE OF BACKFILL: Cuttings & Granular Bentonite

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-7

WELL DIAMETER 2"

TOTAL DEPTH 33.8'

DEPTH TO WATER 25.1'

After Development: 28.2'

PROJECT Adams Co. Landfill

PROJECT NO. 875

DATE 6-12-86

DEVELOPED BY C.B.

DESCRIPTION OF DEVELOPMENT METHOD

Surged 5 minutes, then bailed

VOLUME OF WATER REMOVED FROM WELL 25 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Brown, Dirty

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Cloudy

VOLUME OF WATER ADDED TO WELL --

SOURCE OF WATER ADDED TO WELL --

TIME SPENT FOR DEVELOPMENT 1 hour

COMMENTS:

WI Unique Well No. DM443
DNR Well ID No. 009

WISCONSIN TEST DRILLING INC.
SOIL AND FONDATION EXPLORATION

101 ALDERSON
P. O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090

WELL DETAIL INFORMATION SHEET

WI Unique Well No. DM444
DNR Well ID No. 010

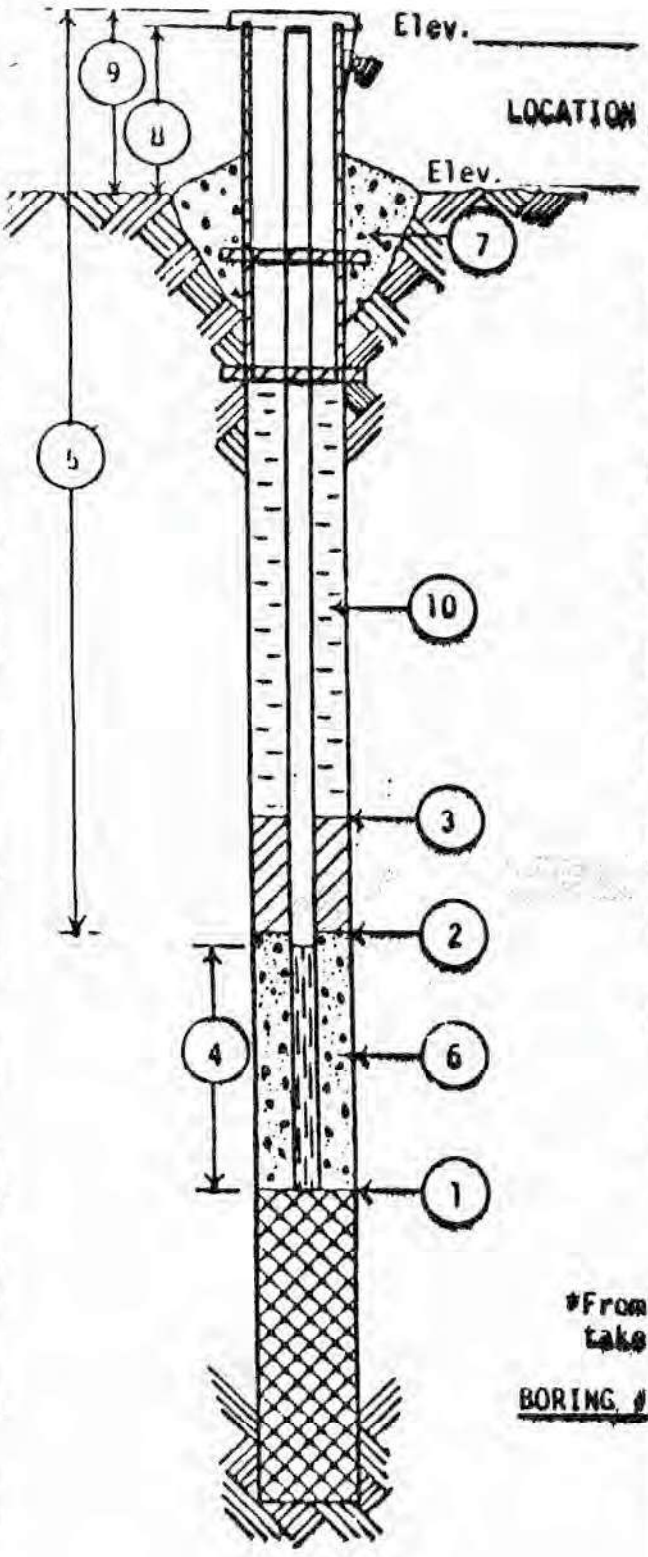
JOB NO. 875

BORING NO. MW-7P

DATE 6-11-86

CHIEF J. Weeks

LOCATION Adams County



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

1. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 62.7 FEET.
2. DEPTH OF BOTTOM OF SEAL (if installed) 55.2 FEET.
3. DEPTH TO TOP OF SEAL (if installed) 52.7 FEET.
4. LENGTH OF WELL POINT, (PVC WELL SCREEN), OR SLOTTED PIPE 5.0 FEET. (Circle One)
5. TOTAL LENGTH OF PIPE 57.7 FEET @ 2 IN. DIAMETER.
6. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flint Sand.
7. CONCRETE CAP, (YES) NO (Circle One)
8. HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.
9. PROTECTIVE CASING? (YES) NO (Circle One) HEIGHT ABOVE GROUND 2.3. LOCKING CAP? (YES) NO (Circle One)
10. TYPE OF BACKFILL: Bentonite Slurry

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-7P

WELL DIAMETER 2"

TOTAL DEPTH 62.7'

DEPTH TO WATER 25.2'

After Development: 33.1'

PROJECT Adams Co. Landfill

PROJECT NO. 875

DATE 6-12-86

DEVELOPED BY C.B.

DESCRIPTION OF DEVELOPMENT METHOD

Surged 5 minutes, then bailed

VOLUME OF WATER REMOVED FROM WELL 45 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Milky

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Almost Clear

VOLUME OF WATER ADDED TO WELL --

SOURCE OF WATER ADDED TO WELL --

TIME SPENT FOR DEVELOPMENT 2 hours

COMMENTS:

WI Unique Well No. DM444
DNR Well ID No. 010

WISCONSIN TEST DRILLING INC.
SOIL AND FONDATION EXPLORATION

101 ALDERSON
P. O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090

WI Unique Well No. DM445
DNR Well ID No. 011

WELL DETAIL INFORMATION SHEET

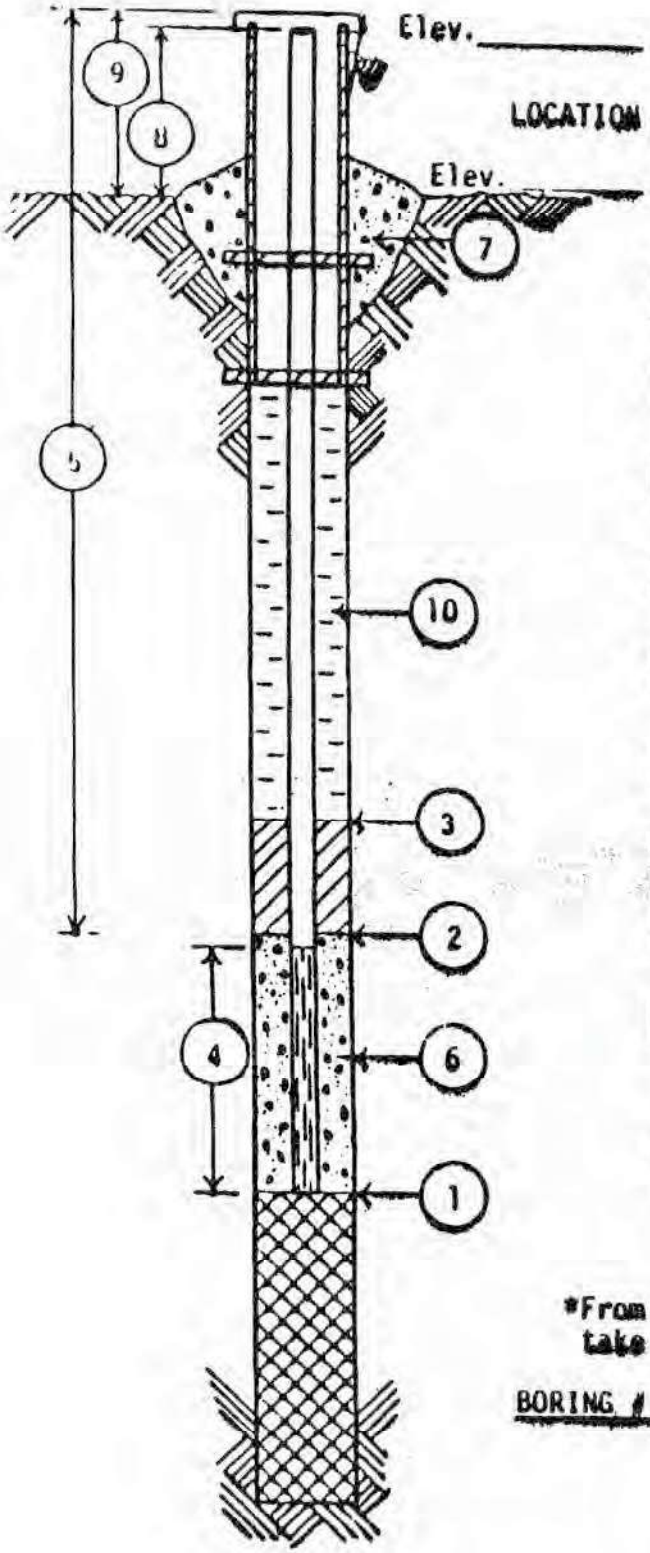
JOB NO. 875

BORING NO. MW-8

DATE 6-12-86

CHIEF T. Kesy

LOCATION Adams County



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

1. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 48.2 FEET.
2. DEPTH OF BOTTOM OF SEAL (if installed) 35.0 FEET.
3. DEPTH TO TOP OF SEAL (if installed) 31.0 FEET.
4. LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 10.0 FEET. (Circle One)
5. TOTAL LENGTH OF PIPE 40.0 FEET Ø 2 IN. DIAMETER.
6. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Filter Sand.
7. CONCRETE CAP, (YES) NO (Circle One)
8. HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.
9. PROTECTIVE CASING? (YES) NO (Circle One)
   HEIGHT ABOVE GROUND 2.0.
   LOCKING CAP? (YES) NO (Circle One)
10. TYPE OF BACKFILL: Cuttings & Granular Bentonite

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-8

WELL DIAMETER 2"

TOTAL DEPTH 48.2'

DEPTH TO WATER 39.3'

After Development: 43.0'

PROJECT Adams Co. Landfill

PROJECT NO. 875

DATE 6-12-86

DEVELOPED BY C.B.

DESCRIPTION OF DEVELOPMENT METHOD

Surged 5 minutes, then bailed.

VOLUME OF WATER REMOVED FROM WELL 25 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Dirty

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Cloudy

VOLUME OF WATER ADDED TO WELL --

SOURCE OF WATER ADDED TO WELL --

TIME SPENT FOR DEVELOPMENT 1 hour

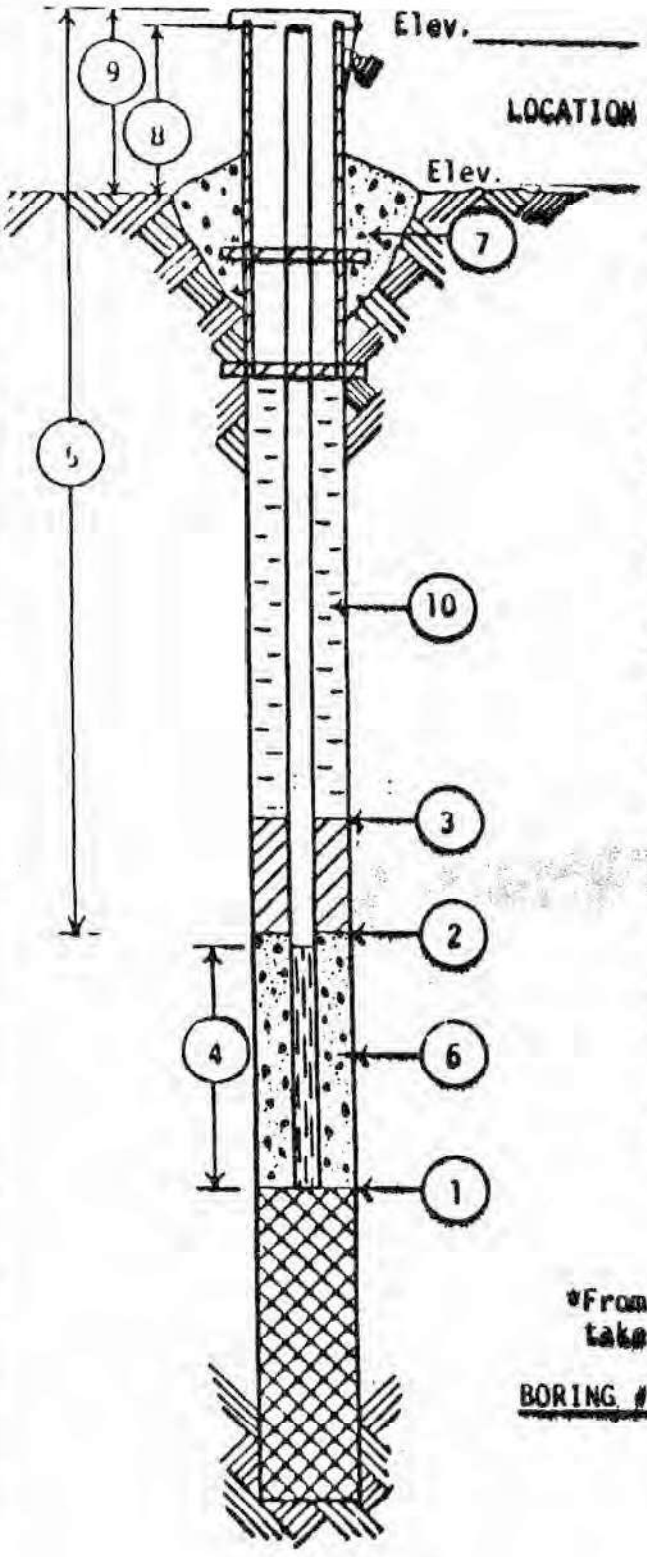
COMMENTS:

WI Unique Well No. DM445
DNR Well ID No. 011

WISCONSIN TEST DRILLING INC.
SOIL AND FONDATION EXPLORATION
101 ALDERSON
P. O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090

WI Unique Well No. DM446
DNR Well ID No. 012

WELL DETAIL INFORMATION SHEET



JOB NO. 875

BORING NO. MW-9

DATE 6-10-86

CHIEF T. Kesy

LOCATION Adams County

All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

1. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 28.2 FEET.
2. DEPTH OF BOTTOM OF SEAL (if installed) 6.0 FEET.
3. DEPTH TO TOP OF SEAL (if installed) 2.0 FEET.
4. LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 10.0 FEET. (Circle One)
5. TOTAL LENGTH OF PIPE 2.0 FEET @ 2 IN. DIAMETER.
6. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Filter Sand.
7. CONCRETE CAP, (YES) NO (Circle One)
8. HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.
9. PROTECTIVE CASING? (YES) NO (Circle One)
   HEIGHT ABOVE GROUND 2.0.
   LOCKING CAP? (YES) NO (Circle One)
10. TYPE OF BACKFILL: Cuttings & Granular Bentonite

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-9

WELL DIAMETER 2"

TOTAL DEPTH 28.2'

DEPTH TO WATER 20.6'

After Development: 28.0'

PROJECT Adams Co. Landfill

PROJECT NO. 875

DATE 6-12-86

DEVELOPED BY C.B.

DESCRIPTION OF DEVELOPMENT METHOD

Surged 5 minutes, then bailed.

VOLUME OF WATER REMOVED FROM WELL 23 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Dirty

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Cloudy

VOLUME OF WATER ADDED TO WELL ---

SOURCE OF WATER ADDED TO WELL ---

TIME SPENT FOR DEVELOPMENT 1 hour

COMMENTS:

WI Unique Well No. DM446
DNR Well ID No. 012

WISCONSIN TEST DRILLING INC.
SOIL AND FONDATION EXPLORATION

101 ALDERSON
P. O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090

WELL DETAIL INFORMATION SHEET

WI Unique Well No. DM447
DNR Well ID No. 013

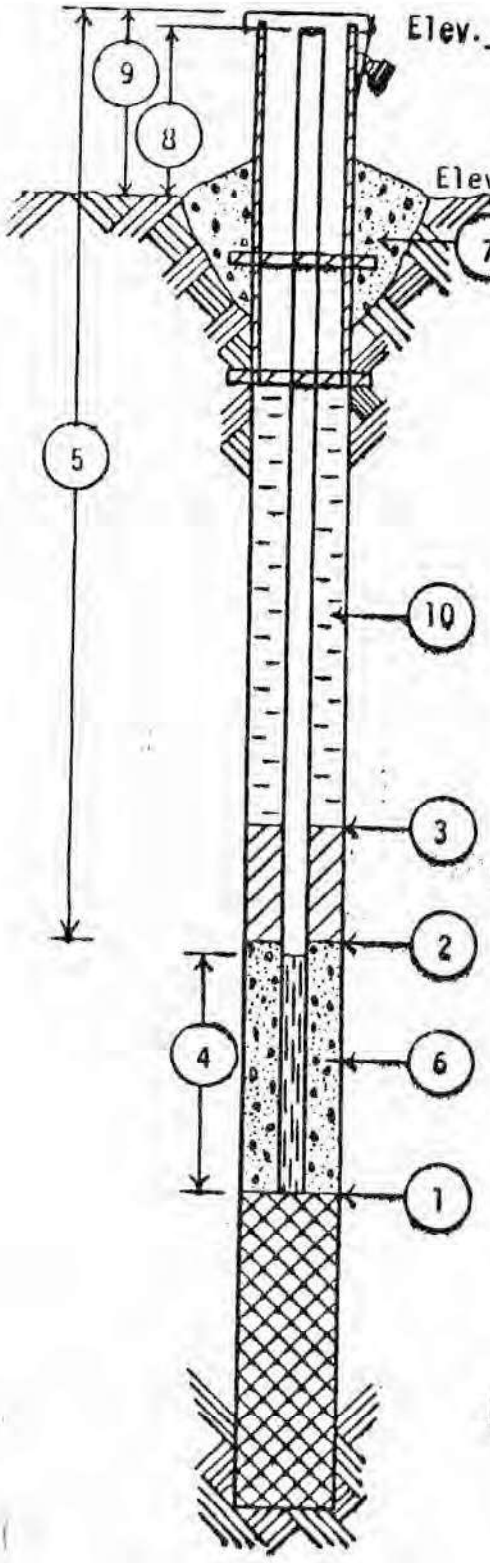
JOB NO. 907

BORING NO. MW-16

DATE 8-12-86

CHIEF T.K.

LOCATION Adams County - Jensen Property



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

1. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 28.3' FEET.
2. DEPTH OF BOTTOM OF SEAL (if installed) 10.5' FEET.
3. DEPTH TO TOP OF SEAL (if installed) 5.5 FEET.
4. LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 10.0' FEET. (Circle One)
5. TOTAL LENGTH OF PIPE 20.3' FEET @ 2 IN. DIAMETER.
6. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flint Sand (45-50)
7. CONCRETE CAP. (YES) NO (Circle One)
8. HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.
9. PROTECTIVE CASING? (YES) NO (Circle One)
   HEIGHT ABOVE GROUND 2.2.
   LOCKING CAP? (YES) NO (Circle One)
10. TYPE OF BACKFILL: Bentonite Powder & Sand

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-16

WELL DIAMETER 2"

TOTAL DEPTH 30.20

DEPTH TO WATER 21.04

PROJECT Adams County

PROJECT NO. 86A22

DATE 8/15/86

DEVELOPED BY M.J.H.

DESCRIPTION OF DEVELOPMENT METHOD

Surged bailer up and down repeatedly 10-15 times for every 5 bails removed.

5 volumes removed

VOLUME OF WATER REMOVED FROM WELL 10 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT clear

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Lt. Br. Mod. Turbidity

VOLUME OF WATER ADDED TO WELL -

SOURCE OF WATER ADDED TO WELL -

TIME SPENT FOR DEVELOPMENT 45 minutes

COMMENTS: Well recovers at approximately 1'/min.

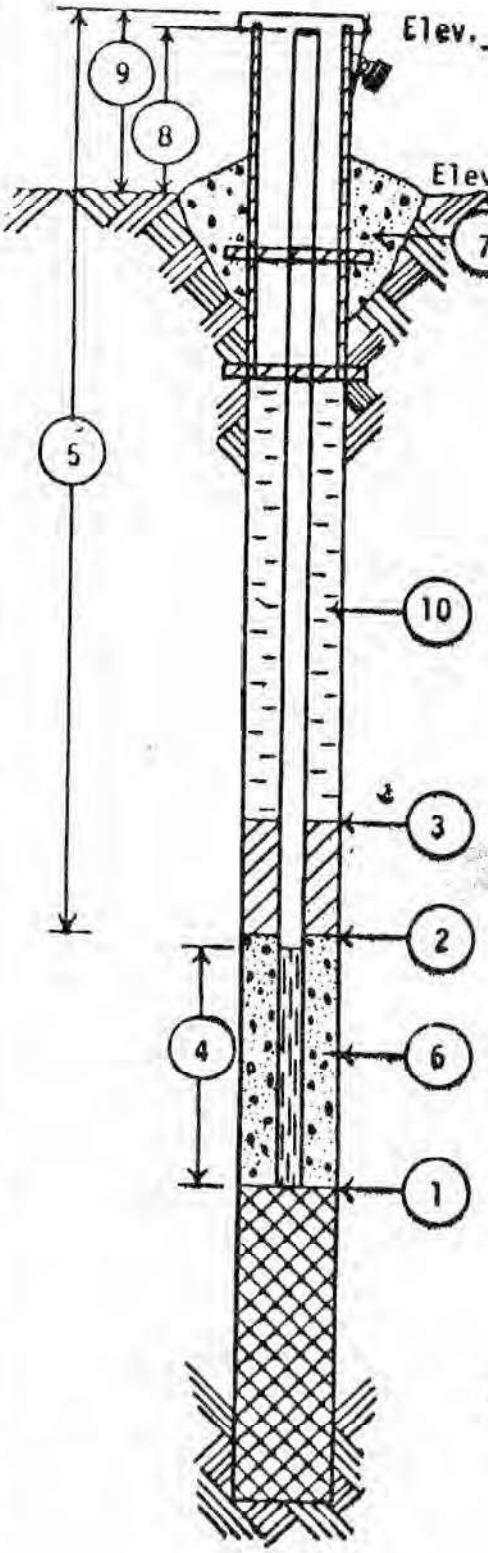
If bailed fast will go dry temporarily

WI Unique Well No. DM447
DNR Well ID No. 013

Foth & Van Dyke
Waste/Energy Division

WI Unique Well No. DM448
DNR Well ID No. 014

WELL DETAIL INFORMATION SHEET



JOB NO. 907

BORING NO. MW-17

DATE 8-11-86

CHIEF T.K.

LOCATION Adams County - Jensen Property

All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

1. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 49.0' FEET.
2. DEPTH OF BOTTOM OF SEAL (if installed) 32.0 FEET.
3. DEPTH TO TOP OF SEAL (if installed) 28.5' FEET.
4. LENGTH OF WELL POINT, (PVC WELL SCREEN,) OR SLOTTED PIPE 10.0 FEET. (Circle One)
5. TOTAL LENGTH OF PIPE 41.0 FEET @ 2 IN. DIAMETER.
6. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flint Sand (45-55)
7. CONCRETE CAP, (YES) NO (Circle One)
8. HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.
9. PROTECTIVE CASING? (YES) NO (Circle One)
   HEIGHT ABOVE GROUND 2.1.
   LOCKING CAP? (YES) NO (Circle One)
10. TYPE OF BACKFILL: Sand - Bentonite

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS
	8-12-86	7:30 a.m.	37'8"	

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-17

WELL DIAMETER 2"

TOTAL DEPTH 52.05

DEPTH TO WATER 38.9

PROJECT Adams county

PROJECT NO. 86A22

DATE 8/15/86

DEVELOPED BY M.J.H.

DESCRIPTION OF DEVELOPMENT METHOD

Surged bailer up and down repetedly 10-15 times for every 5 bails removed.

5 volumes removed

VOLUME OF WATER REMOVED FROM WELL 12 gallonss

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT clear

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Lt. Br. Mod. Turbidity

VOLUME OF WATER ADDED TO WELL -

SOURCE OF WATER ADDED TO WELL -

TIME SPENT FOR DEVELOPMENT 1 hour

COMMENTS:

Well recovers at approximately 1'/30 seconds

WI Unique Well No. DM448
DNR Well ID No. 014

Foth & Van Dyke
Waste/Energy Division

WI Unique Well No. DM449
DNR Well ID No. 015

WELL DETAIL INFORMATION SHEET

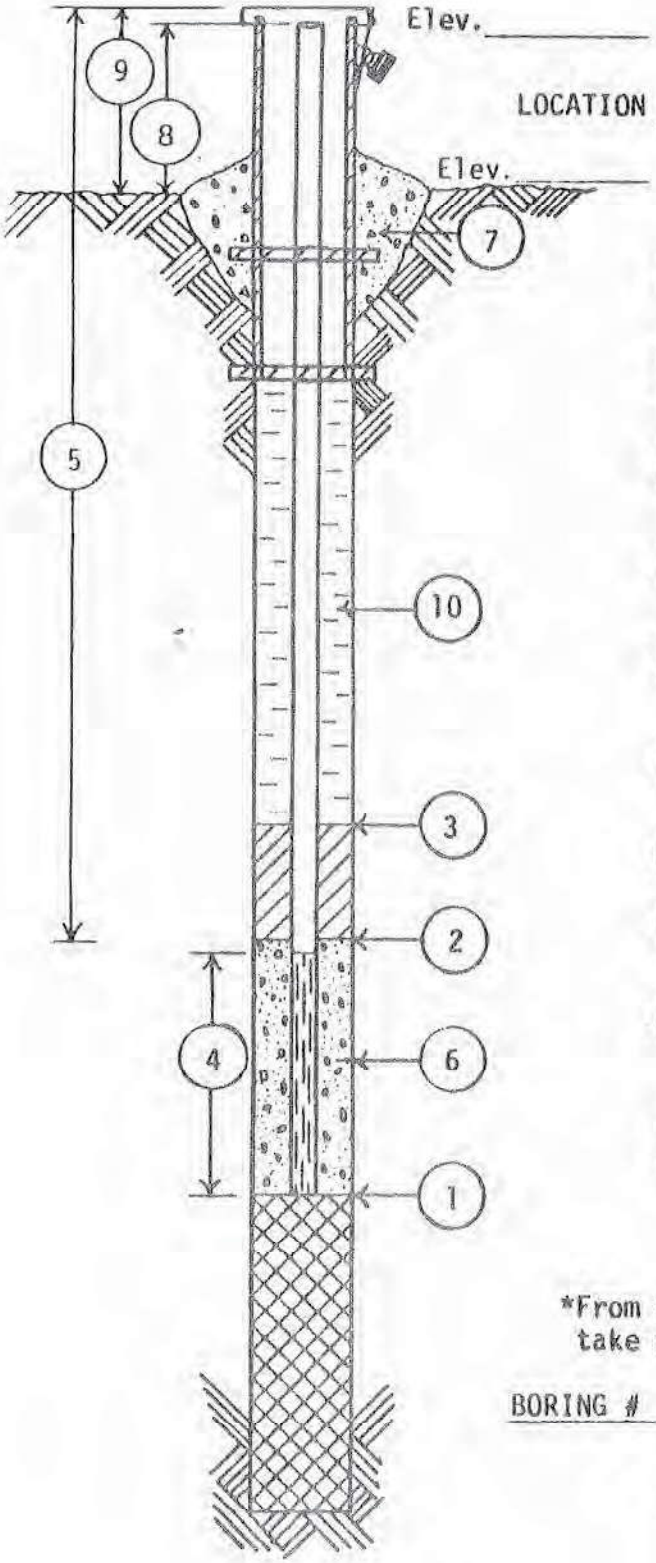
JOB NO. 1084

BORING NO. MW-17P

DATE 7-14-87

CHIEF L.E.

LOCATION Adams County Landfill, WI



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

(1) DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 80.5 FEET.

(2) DEPTH OF BOTTOM OF SEAL (if installed) 73.0 FEET.

(3) DEPTH TO TOP OF SEAL (if installed) _____ FEET.

(4) LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 5.0 FEET. (Circle One)

(5) TOTAL LENGTH OF PIPE 77.4 FEET @ 2 IN. DIAMETER.

(6) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Sand 30 .

(7) CONCRETE CAP, (YES) NO (Circle One)

(8) HEIGHT OF WELL CASING ABOVE GROUND 1.9 FEET.

(9) PROTECTIVE CASING? (YES) NO (Circle One)
HEIGHT ABOVE GROUND 2.0' .
LOCKING CAP? (YES) NO (Circle One)

(10) TYPE OF BACKFILL: Bentonite Grout

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-17P

WELL DIAMETER 2"

TOTAL DEPTH 80.5'

DEPTH TO WATER 44.8'

AFTER 45.0'

PROJECT Adams Co. Landfill

PROJECT NO. 1084

DATE 7-16-87

DEVELOPED BY L.E.

DESCRIPTION OF DEVELOPMENT METHOD

Surged and pumped with black pipe

VOLUME OF WATER REMOVED FROM WELL 40 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Muddy

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Cloudy

VOLUME OF WATER ADDED TO WELL --

SOURCE OF WATER ADDED TO WELL --

TIME SPENT FOR DEVELOPMENT 1.5 Hour

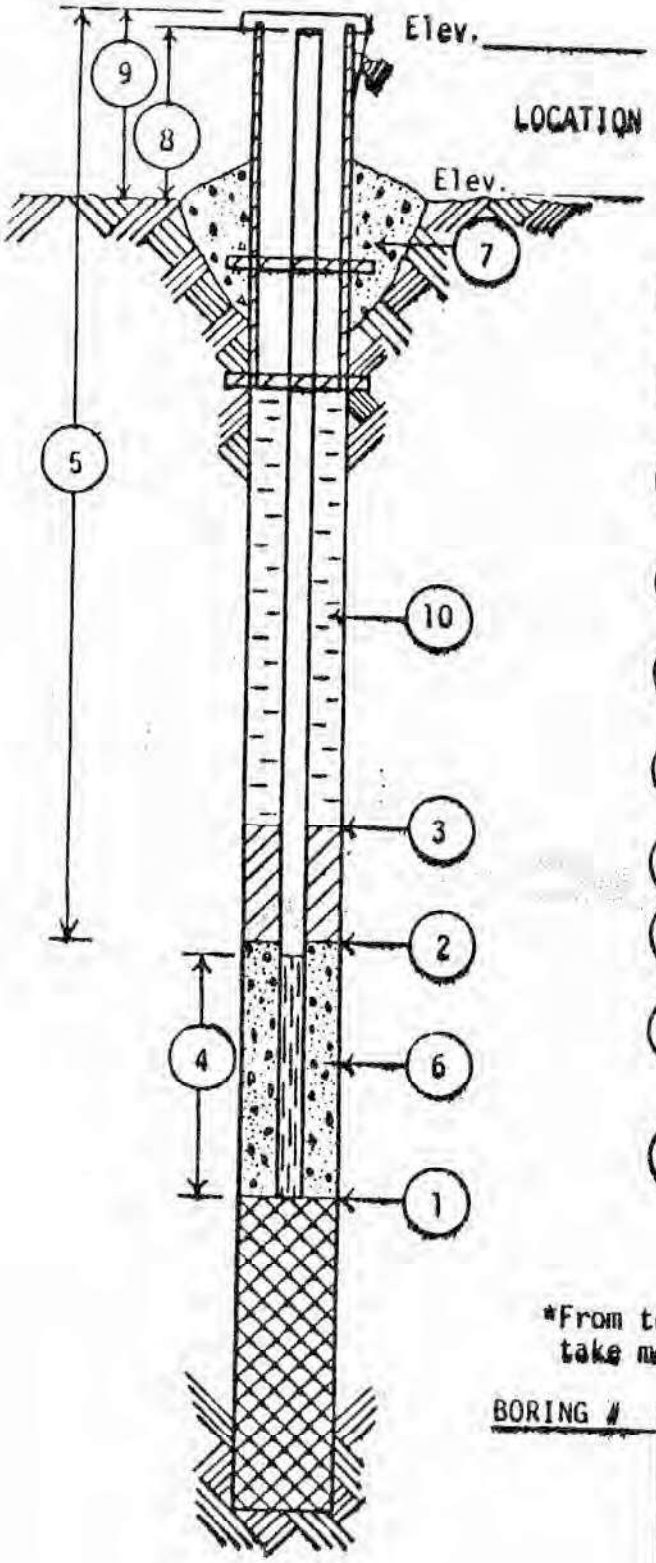
COMMENTS:

WI Unique Well No. DM449
DNR Well ID No. 015

WISCONSIN TEST DRILLING INC.
SOIL AND FOUNDATION EXPLORATION
101 ALDERSON
P.O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090

WI Unique Well No. DM450
DNR Well ID No. 016

WELL DETAIL INFORMATION SHEET



JOB NO. 907

BORING NO. MW-18

DATE 8-12-86

CHIEF T.K.

LOCATION Adams County - Jensen Property

All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

1. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 31.5' FEET.
2. DEPTH OF BOTTOM OF SEAL (if installed) 16.0' FEET.
3. DEPTH TO TOP OF SEAL (if installed) 12.5' FEET.
4. LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 10.0' FEET. (Circle One)
5. TOTAL LENGTH OF PIPE 23.5' FEET @ 2 IN. DIAMETER.
6. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flint Sand (45-50)
7. CONCRETE CAP, (YES) NO (Circle One)
8. HEIGHT OF WELL CASING ABOVE GROUND 2.0 FEET.
9. PROTECTIVE CASING? (YES) NO (Circle One)
   HEIGHT ABOVE GROUND 2.1.
   LOCKING CAP? (YES) NO (Circle One)
10. TYPE OF BACKFILL: Bentonite Powder & Sand

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS
	8-12-86		23'8"	

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-18

WELL DIAMETER 2"

TOTAL DEPTH 32.25

DEPTH TO WATER 24.50

PROJECT Adams county

PROJECT NO. 86A22

DATE 8/15/86

DEVELOPED BY M.J.H.

DESCRIPTION OF DEVELOPMENT METHOD

Surged bailer up and down repeatedly 10-15 times for every 5 bails removed

5 volumes removed

VOLUME OF WATER REMOVED FROM WELL 10 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT clear

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Lt. Br. Mod Turbidity

VOLUME OF WATER ADDED TO WELL -

SOURCE OF WATER ADDED TO WELL -

TIME SPENT FOR DEVELOPMENT 45 minutes

COMMENTS:

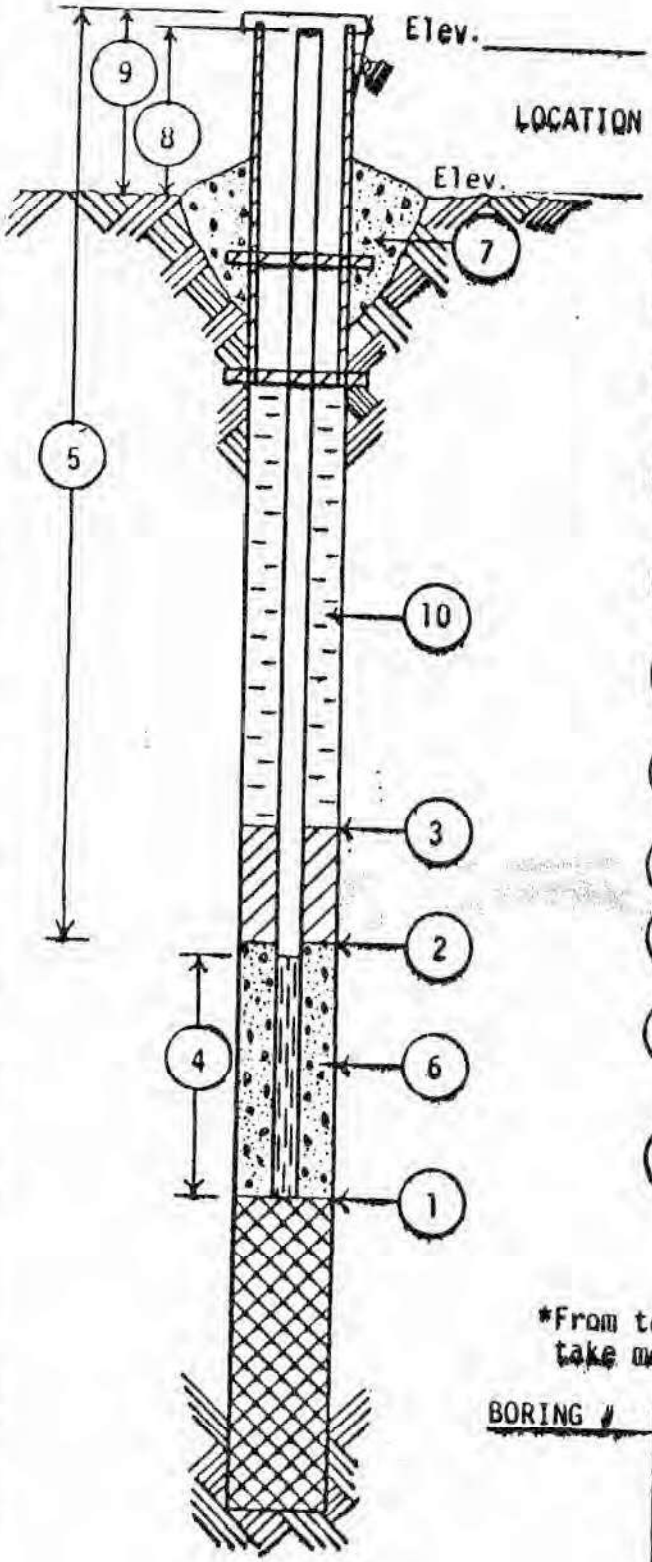
Well recovers at approximately 1'/min. If bailed fast will go dry temporarily.

WI Unique Well No. DM450
DNR Well ID No. 016

Foth & Van Dyke
Waste/Energy Division

WI Unique Well No. DM451
DNR Well ID No. 017

WELL DETAIL INFORMATION SHEET



JOB NO. 907

BORING NO. MW-18P

DATE 8-13-86

CHIEF T.K.

LOCATION Adams County - Jensen Property

All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

1. DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 62.0' FEET.
2. DEPTH OF BOTTOM OF SEAL (if installed) 55.5 FEET.
3. DEPTH TO TOP OF SEAL (if installed) 45.0' FEET.
4. LENGTH OF WELL POINT, (PVC WELL SCREEN,) OR SLOTTED PIPE 5.0 FEET. (Circle One)
5. TOTAL LENGTH OF PIPE 59.0 FEET @ 2 IN. DIAMETER.
6. TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Flintsand (45-50)
7. CONCRETE CAP, (YES) NO (Circle One)
8. HEIGHT OF WELL CASING ABOVE GROUND 2 FEET.
9. PROTECTIVE CASING? (YES) NO (Circle One)
   HEIGHT ABOVE GROUND 2.2.
   LOCKING CAP? (YES) NO (Circle One)
10. TYPE OF BACKFILL: Bentonite Slurry

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

WISCONSIN TEST DRILLING

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-18P

WELL DIAMETER 2"

TOTAL DEPTH 64.50

DEPTH TO WATER 30.65

PROJECT Adams County

PROJECT NO. 86A22

DATE 8/15/86

DEVELOPED BY M.J.H.

DESCRIPTION OF DEVELOPMENT METHOD

Surged bailer up and down repeatedly 10-15 times for every 5 bails removed.

5 volumes removed

VOLUME OF WATER REMOVED FROM WELL 25 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT clear

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Lt. Br. High Turbidity

VOLUME OF WATER ADDED TO WELL -

SOURCE OF WATER ADDED TO WELL -

TIME SPENT FOR DEVELOPMENT 2 hours 15 minutes

COMMENTS:

Well recovers fast - approximately 1'/min.

WI Unique Well No. DM451
DNR Well ID No. 017

Foth & Van Dyke
Waste/Energy Division

WI Unique Well No. DM452
DNR Well ID No. 018

WELL DETAIL INFORMATION SHEET

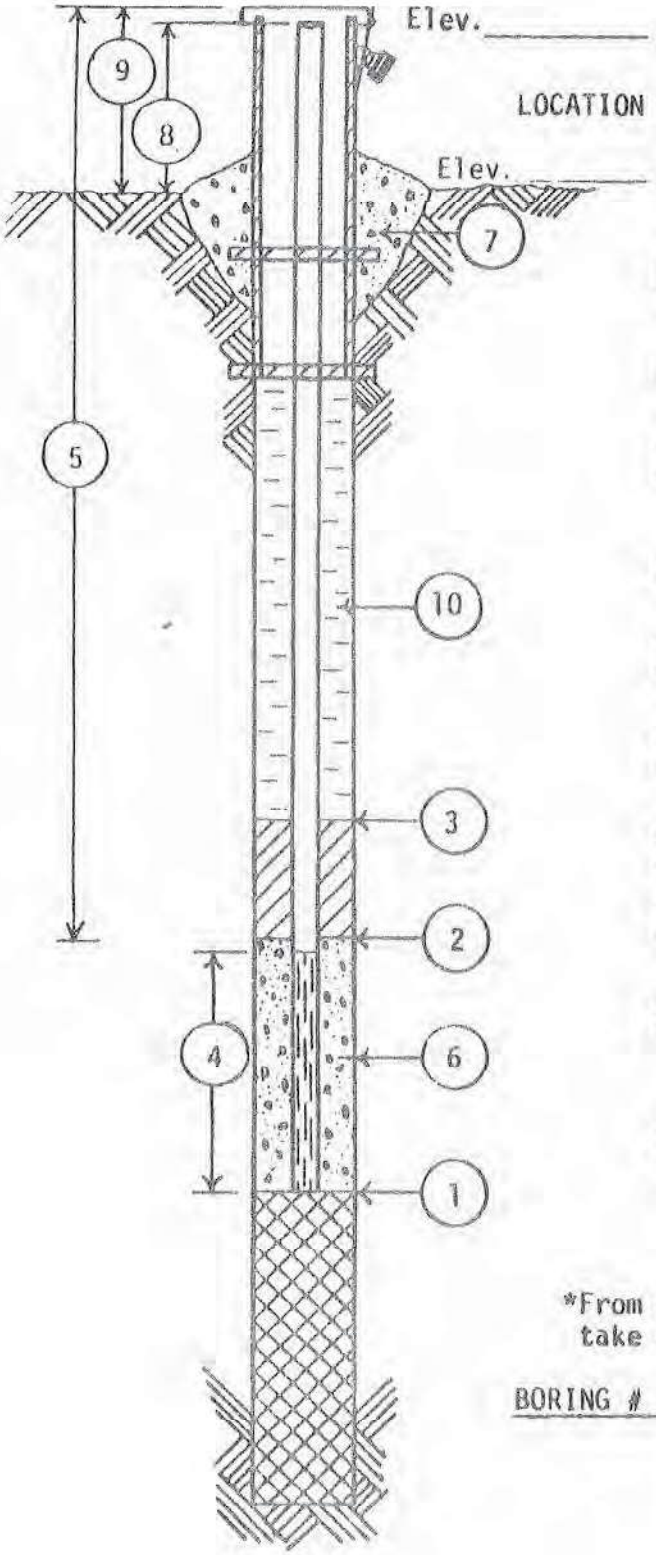
JOB NO. 1084

BORING NO. MW-19

DATE 7-15-87

CHIEF L.E.

LOCATION Adams County Landfill, WI



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

(1) DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 30.0 FEET.

(2) DEPTH OF BOTTOM OF SEAL (if installed) 11.5 FEET.

(3) DEPTH TO TOP OF SEAL (if installed) 10.0 FEET.

(4) LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 10.0 FEET. (Circle One)

(5) TOTAL LENGTH OF PIPE 21.9 FEET @ 2 IN. DIAMETER.

(6) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Sand 30.

(7) CONCRETE CAP, (YES) NO (Circle One)

(8) HEIGHT OF WELL CASING ABOVE GROUND 1.9 FEET.

(9) PROTECTIVE CASING? (YES) NO (Circle One)
HEIGHT ABOVE GROUND 2.0'.
LOCKING CAP? (YES) NO (Circle One)

(10) TYPE OF BACKFILL: Bentonite & Cuttings

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-19

WELL DIAMETER 2"

TOTAL DEPTH 30.0'

DEPTH TO WATER 22.5'

AFTER Dry

PROJECT Adams Co. Landfill

PROJECT NO. 1084

DATE 7-17-87

DEVELOPED BY L.E.

DESCRIPTION OF DEVELOPMENT METHOD

Surged and pumped

Only 2 gallons of water in well.

VOLUME OF WATER REMOVED FROM WELL 2 gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Muddy

CLARITY OF WATER IN WELL AFTER DEVELOPMENT --

VOLUME OF WATER ADDED TO WELL --

SOURCE OF WATER ADDED TO WELL --

TIME SPENT FOR DEVELOPMENT 1/2 Hour

COMMENTS:

WI Unique Well No. DM452
DNR Well ID No. 018

WISCONSIN TEST DRILLING INC.
SOIL AND FOUNDATION EXPLORATION
101 ALDERSON
P. O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090

WI Unique Well No. DM453
DNR Well ID No. 019

WELL DETAIL INFORMATION SHEET

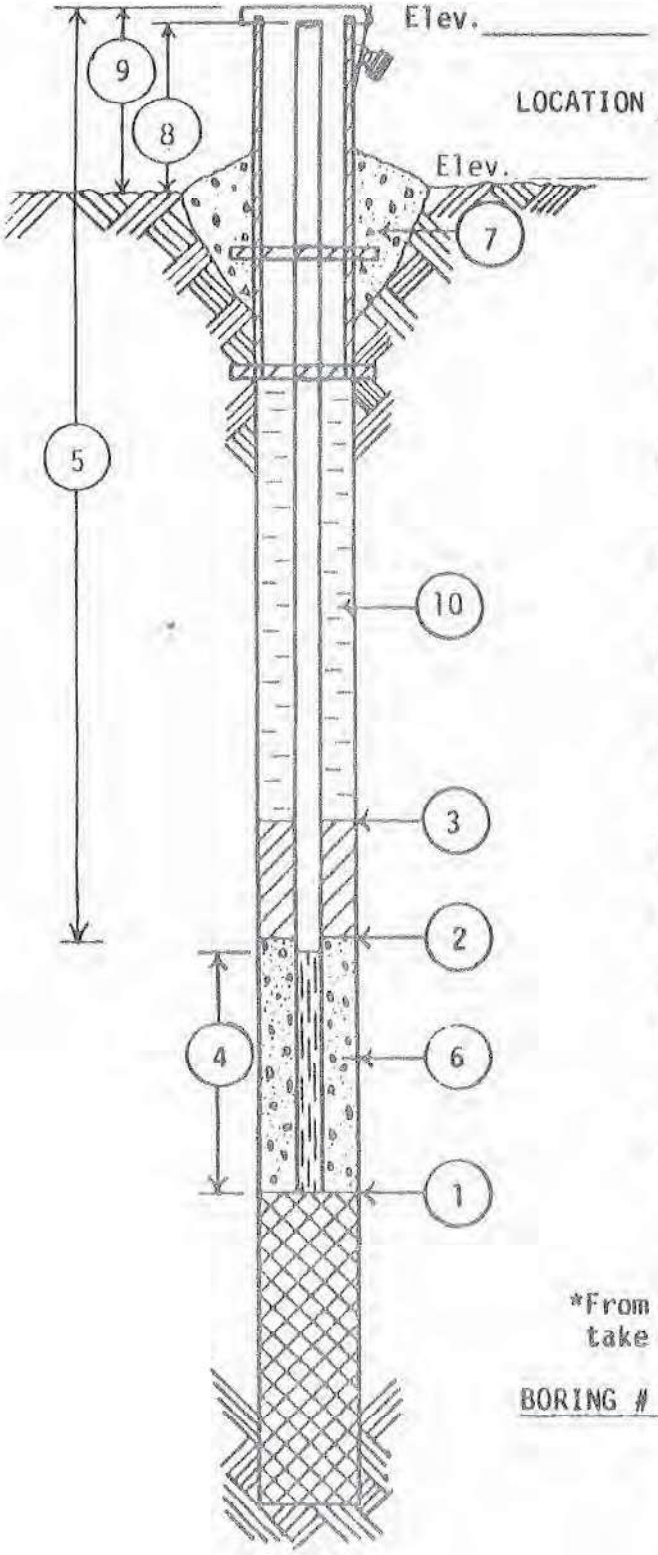
JOB NO. 1084

BORING NO. MW-19P

DATE 7-15-87

CHIEF L.E.

LOCATION Adams County Landfill, WI



All depth measurements of well detail assumed to be from ground surface unless otherwise indicated.

(1) DEPTH TO BOTTOM OF WELL POINT OR SLOTTED PIPE 60.2 FEET.

(2) DEPTH OF BOTTOM OF SEAL (if installed) 51.9 FEET.

(3) DEPTH TO TOP OF SEAL (if installed) Ground Surface FEET.

(4) LENGTH OF WELL POINT, (PVC WELL SCREEN) OR SLOTTED PIPE 5.0 FEET. (Circle One)

(5) TOTAL LENGTH OF PIPE 57.1 FEET @ 2 IN. DIAMETER.

(6) TYPE OF FILTER MATERIAL AROUND WELL POINT OR SLOTTED PIPE Sand 30.

(7) CONCRETE CAP, (YES) NO (Circle One)

(8) HEIGHT OF WELL CASING ABOVE GROUND 1.9 FEET.

(9) PROTECTIVE CASING? (YES) NO (Circle One)
HEIGHT ABOVE GROUND 2.0'.
LOCKING CAP? (YES) NO (Circle One)

(10) TYPE OF BACKFILL: Bentonite Grout

WATER LEVEL CHECKS

*From top of casing, if protective casing higher, take measurement from top of protective casing.

BORING #	DATE	TIME	DEPTH TO WATER	REMARKS

MONITORING WELL DEVELOPMENT

WELL NUMBER MW-19P

WELL DIAMETER 2"

TOTAL DEPTH 60.2'

DEPTH TO WATER 28.8'

AFTER 28.7'

PROJECT Adams Co. Landfill

PROJECT NO. 1084

DATE 7-17-87

DEVELOPED BY L.E.

DESCRIPTION OF DEVELOPMENT METHOD

Surged and pumped

VOLUME OF WATER REMOVED FROM WELL 40 Gallons

CLARITY OF WATER IN WELL BEFORE DEVELOPMENT Muddy

CLARITY OF WATER IN WELL AFTER DEVELOPMENT Cloudy

VOLUME OF WATER ADDED TO WELL --

SOURCE OF WATER ADDED TO WELL --

TIME SPENT FOR DEVELOPMENT 1 hour

COMMENTS:

WI Unique Well No. DM453
DNR Well ID No. 019

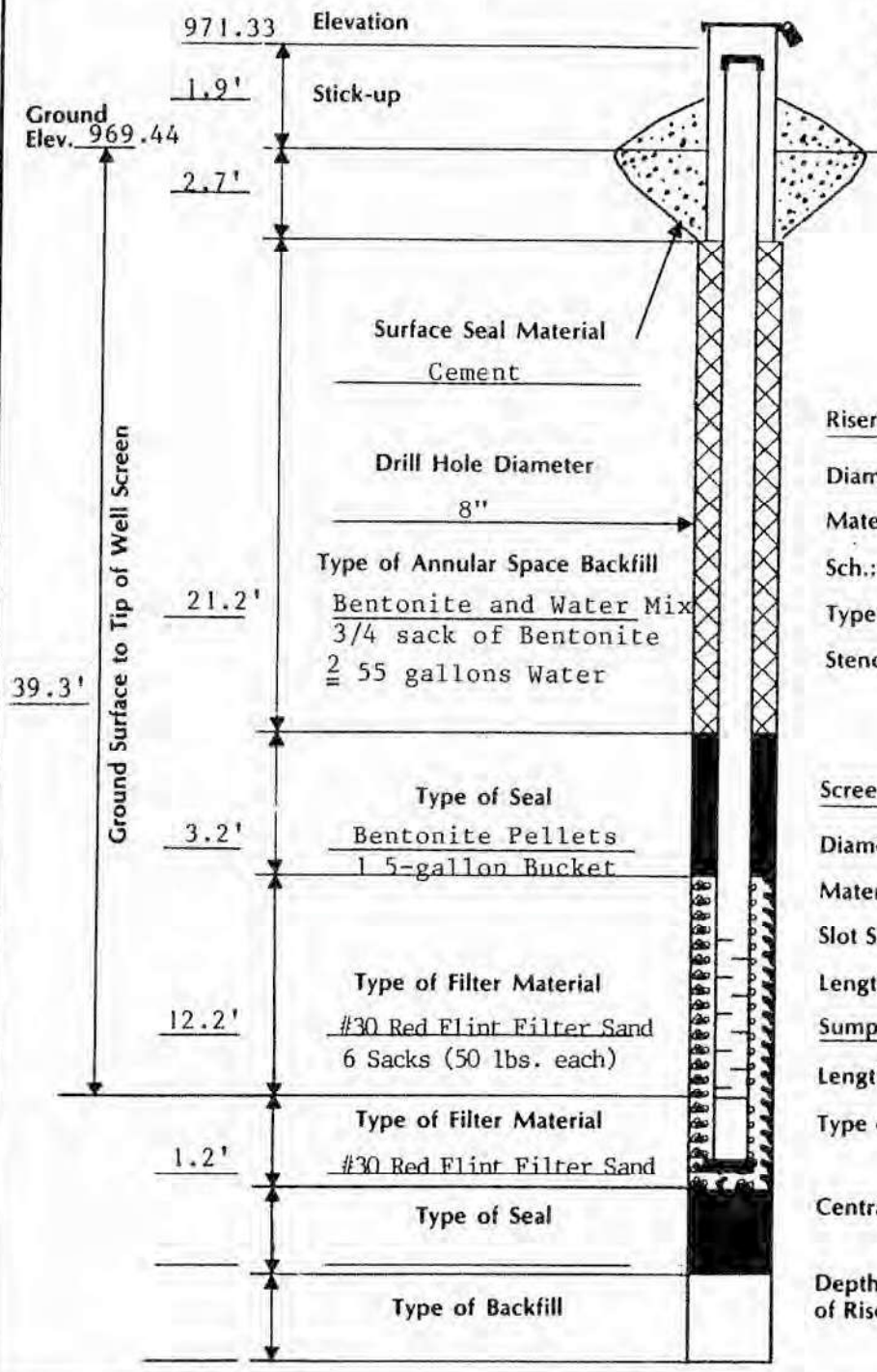
WISCONSIN TEST DRILLING INC.
SOIL AND FOUNDATION EXPLORATION
101 ALDERSON
P. O. BOX 89
SCHOFIELD, WISCONSIN 54476
(715) 359-7090

Foth & Van Dyke

Client: Adams County — Scope I.D.: 89A18
Project: Adams County Demo Landfill — Page: 1/1
Prepared by: L.D.A. — Date: 2/23/89
Checked by: JSK — Date: 2/28/89

MONITORING WELL CONSTRUCTION DIAGRAM

Driller: Wisconsin Test Drilling
Drilling Method: 4¼" I.D. H.S.A.
Well No.: MW-20
Date Installed: 2/23/89
WI Unique Well No.: EI302
WDNR Well ID. No.: 040
Coordinates: 114+55N 105+80E



Protector Pipe:
Size: 4" I.D.
Material: Steel
Lock No.: 2121

Riser:
Diameter: 2" I.D.
Material: PVC
Sch.: 40
Type of Joints: Flush Threaded
Stenciled? --

Screen:
Diameter: 2" I.D.
Material: PVC
Slot Size: 0.010"
Length: 10'

Sump:
Length:
Type of Cap: PVC Point

Centralizer: Used ☐ Not Used ☒

Depth to Water From Top of Riser at Completion: 34.95'

NOTE: Not to Scale

FORM #309 GEM (Rev. 1/89)

Foth & Van Dyke

WI Unique Well No.: EI302
WDNR Well ID. No.: 040

Client: Adams County Scope I.D.: 89A18
Project: Adams County Demo Landfill Page: 1
Prepared by: L.D.A. Date: 2/24/89
Checked by: JSK Date: 3/1/89

MONITORING WELL DEVELOPMENT

Well Number: MW-20
Well Diameter: 2" I.D.
Total Depth of Well: 41.15' from top of PVC

Depth to Water:
Initial: 34.84' from top of PVC
Final: 38.3' from top of PVC

Time of Measurement:
13:32 Hours
14:50 Hours

Description of Development Method:
Well was surged and bailed with a 5-foot PVC bailer.

Volume of Water Removed From Well: 25 gallons
Clarity of Water in Well Before Development: Dark reddish brown
Clarity of Water in Well After Development: Light brown
Presence of Sediment at the Bottom of the Well: Very little silty clay like material
Volume of Water Added to Well: -0-
Source of Water Added to Well: --
Time Spent for Development: 1 hour and 18 minutes

Stabilization Readings:

Gal. Removed	Depth to Water	Time	Field Temperature	Spec. Cond.	pH
0				--	--
2.5				263	8.51
5.0				238	8.52
10.0	37.6'/36.2'	1405hrs/1406hrs		282	8.57
12.5				255	8.60
15.0				275	8.64
20	38.0'	14:32 hours		275	8.70
25				276	8.72

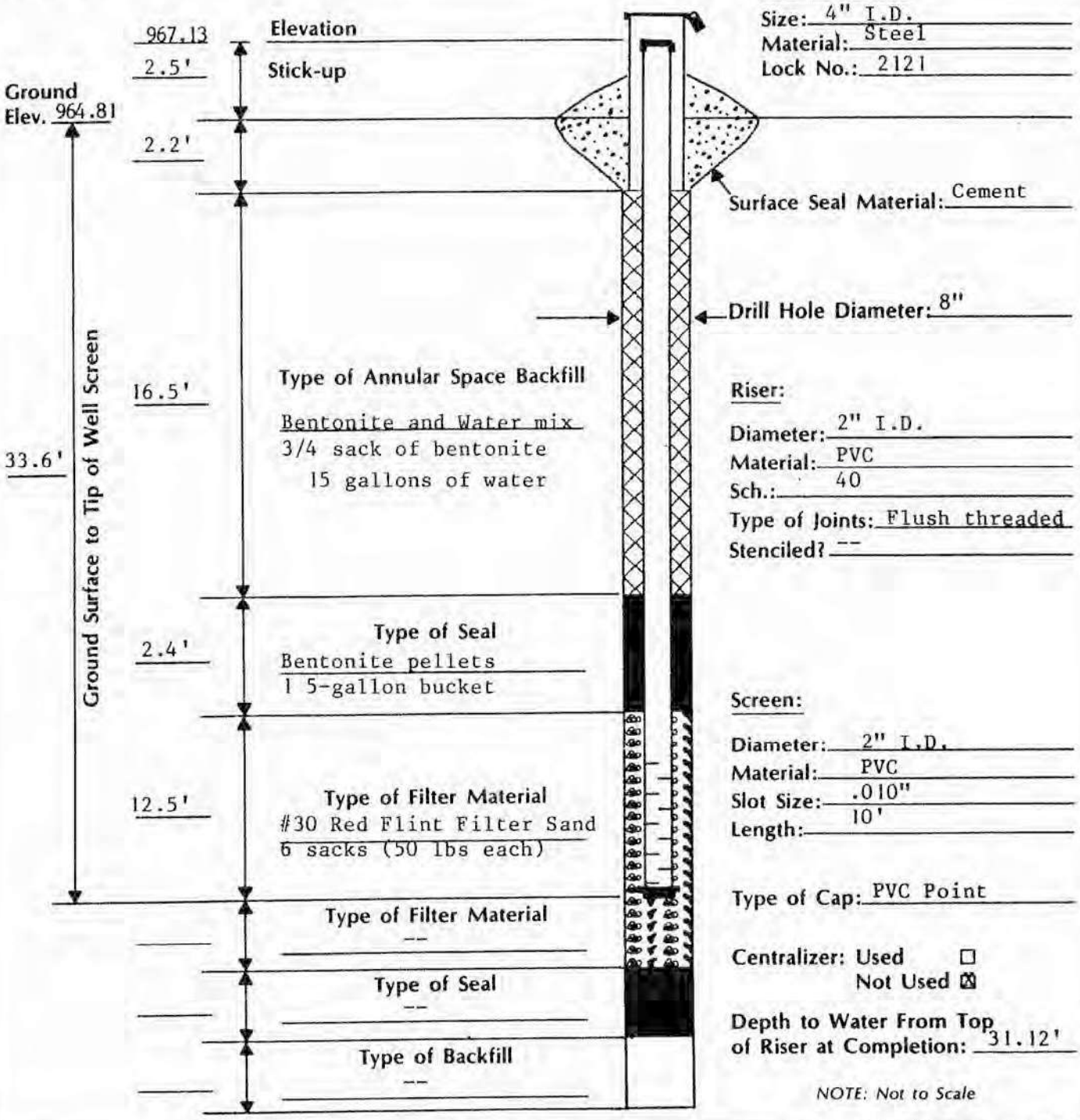
Foth & Van Dyke

Client: Adams County — Scope I.D.: 89A18
Project: Adams County Demo Landfill — Page: 1/1
Prepared by: L.D.A. — Date: 2/23/89
Checked by: JSK — Date: 2/28/89

MONITORING WELL CONSTRUCTION DIAGRAM

Driller: Wisconsin Test Drilling — Well No: MW-21
Drilling Method: 4¼" I.D. H.S.A. — Date Installed: 2/23/89
Coordinates: 116+00N 105+70E

WDNR Well ID. No.: 041; WI Unique Well No.: EI303



Protector Pipe:
Size: 4" I.D.
Material: Steel
Lock No.: 2121

Surface Seal Material: Cement

Drill Hole Diameter: 8"

Type of Annular Space Backfill
Bentonite and Water mix
3/4 sack of bentonite
15 gallons of water

Riser:
Diameter: 2" I.D.
Material: PVC
Sch.: 40
Type of Joints: Flush threaded
Stenciled? --

Type of Seal
Bentonite pellets
1 5-gallon bucket

Screen:
Diameter: 2" I.D.
Material: PVC
Slot Size: .010"
Length: 10'

Type of Filter Material
#30 Red Flint Filter Sand
6 sacks (50 lbs each)

Type of Cap: PVC Point

Type of Filter Material
--

Centralizer: Used ☐
Not Used ☒

Type of Seal
--

Depth to Water From Top of Riser at Completion: 31.12'

Type of Backfill
--

NOTE: Not to Scale

FORM #309 GEM (Rev. 11/88)

Foth & Van Dyke

WI Unique Well No.: EI303
WDNR Well ID. No.: 041

Client: Adams County — Scope I.D.: 89A18
Project: Adams County Demo Landfill — Page: 1
Prepared by: L.D.A. — Date: 2/24/89
Checked by: JSK — Date: 3/1/89

MONITORING WELL DEVELOPMENT

Well Number: MW-21
Well Diameter: 2" I.D.
Total Depth of Well: 36.02' from top of PVC

Depth to Water:
Initial: 31/12' from top of PVC
Final: 33.7' from top of PVC

Time of Measurement:
12:15 hours
13:00 hours

Description of Development Method:
Well was surged and bailed within a 5-foot PVC bailer.

Volume of Water Removed From Well: 30 gallons
Clarity of Water in Well Before Development: Dark reddish brown
Clarity of Water in Well After Development: Light tan to brown
Presence of Sediment at the Bottom of the Well: Very little silty clay like material
Volume of Water Added to Well: -0-
Source of Water Added to Well:
Time Spent for Development: 45 minutes

Stabilization Readings:

Gal. Removed	Depth to Water	Time	Field Temperature	Spec. Cond.	pH
0				--	--
5				350	7.38
10				323	7.51
15				310	7.64
20				303	7.80
25				296	8.02
30				301	8.21

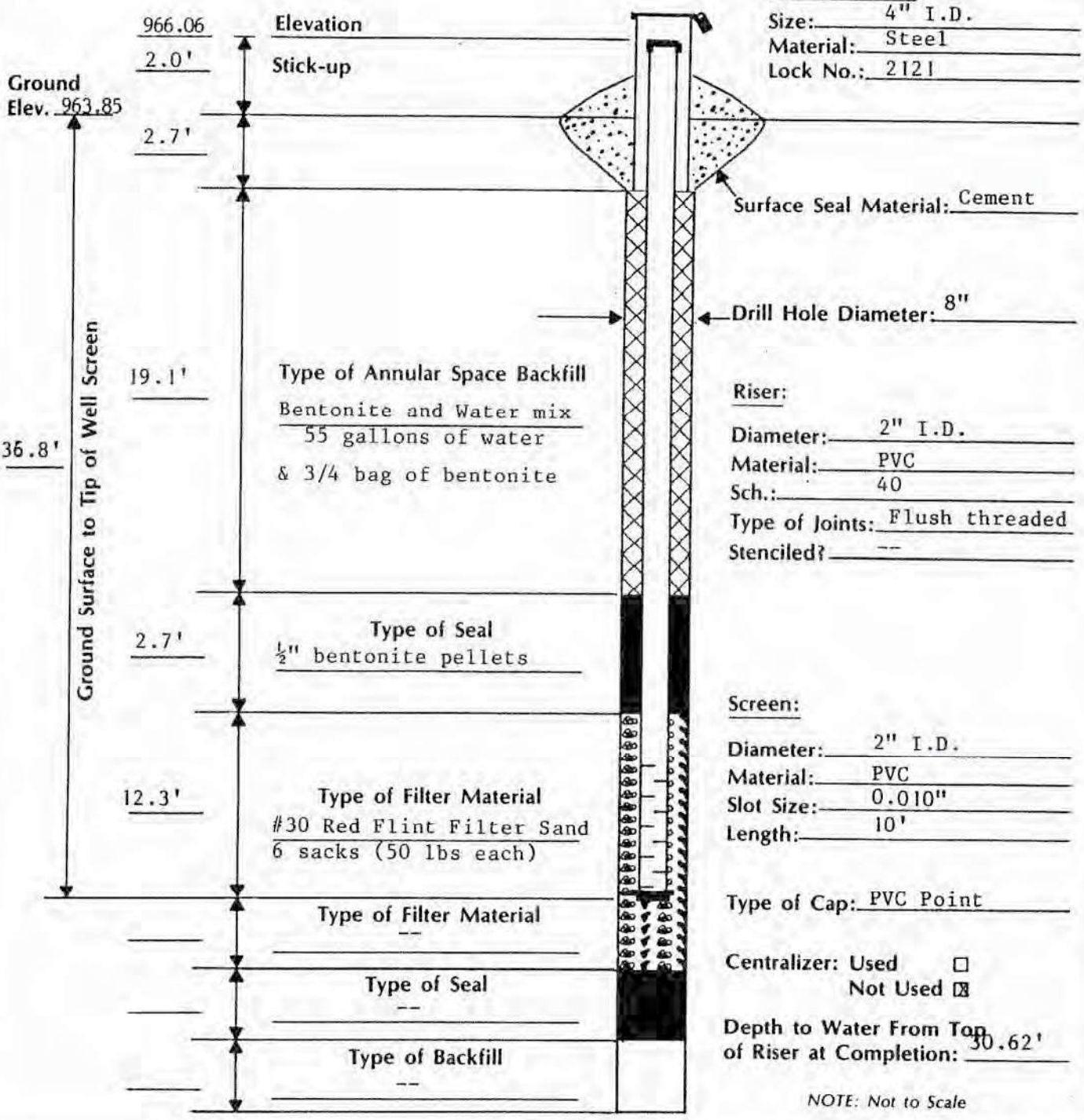
Foth & Van Dyke

Client: Adams County — Scope I.D.: 89A18
Project: Adams County Demo Landfill — Page: 1/1
Prepared by: L.D.A. — Date: 2/24/89
Checked by: JSK — Date: 2/28/89

MONITORING WELL CONSTRUCTION DIAGRAM

Driller: Wisconsin Test Drilling
Drilling Method: 4¼" I.D. H.S.A.
Coordinates: 116+50N 104+15E

Well No: MW-22
Date Installed: 2/24/89
WDNR Well ID. No.: 042; WI Unique Well No.: EI304



Protector Pipe:
Size: 4" I.D.
Material: Steel
Lock No.: 2121

Surface Seal Material: Cement

Drill Hole Diameter: 8"

Riser:
Diameter: 2" I.D.
Material: PVC
Sch.: 40
Type of Joints: Flush threaded
Stenciled? --

Screen:
Diameter: 2" I.D.
Material: PVC
Slot Size: 0.010"
Length: 10'

Type of Cap: PVC Point

Centralizer: Used ☐ Not Used ☒

Depth to Water From Top of Riser at Completion: 30.62'

NOTE: Not to Scale

Foth & Van Dyke

WI Unique Well No.: EI304
WDNR Well ID. No.: 042

Client: Adams County — Scope I.D.: 89A14
Project: Adams County Demo Landfill — Page: 1
Prepared by: L.D.A. — Date: 2/24/89
Checked by: JSK — Date: 3/1/89

MONITORING WELL DEVELOPMENT

Well Number: MW-22
Well Diameter: 2" I.D.
Total Depth of Well: 36.8' from top of PVC

Depth to Water:
Initial: 30.62' from top of PVC
Final: 34.2' from top of PVC

Time of Measurement:
14:00 Hours
14:25 Hours

Description of Development Method:
Well was surged and bailed with a 5-foot PVC bailer.
- Bailed dry twice near end of development time.

Volume of Water Removed From Well: 15 gallons
Clarity of Water in Well Before Development: Dark reddish brown
Clarity of Water in Well After Development: Light brown
Presence of Sediment at the Bottom of the Well: Very little silty clay like material
Volume of Water Added to Well: -0-
Source of Water Added to Well: --
Time Spent for Development: 25 minutes

Stabilization Readings:

Gal. Removed	Depth to Water	Time	Field Temperature	Spec. Cond.	pH

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: ADAMS Co. COMPOST	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-25
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or St. Plane 790,869.6 ft. N, 3,041,566.6 ft. E.	Wis. Unique Well Number: GN076 DNR Well Number: 045
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	Section Location of Waste/Source: NE 1/4 of SE 1/4 of Sec. 13, T. 18 N, R. 5 ☒E. ☐W.	Date Well Installed: 09/14/90 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	Well Installed By: (Person's Name and Firm) CRAIG DICKINSON / WTD
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No		

A. Protective pipe, top elevation 965.37 ft. MSL
B. Well casing, top elevation 965.34 ft. MSL
C. Land surface elevation 962.2 ft. MSL
D. Surface seal, bottom _____ ft. MSL or 03.8 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☒ SC ☐ ML ☒ MH ☒ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ __

15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

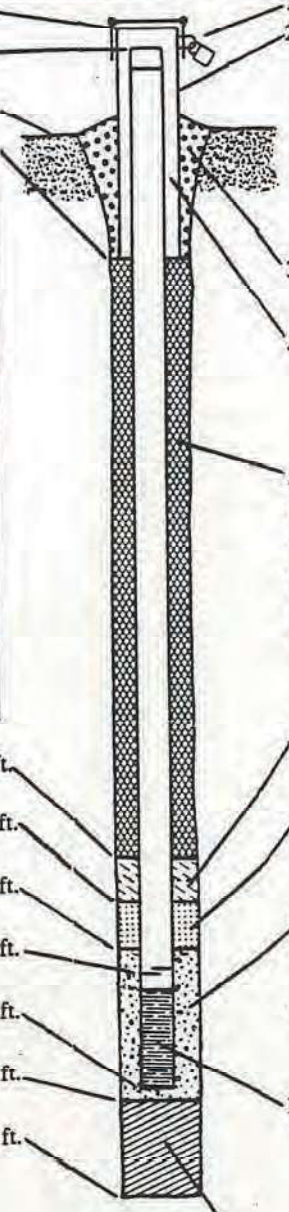
16. Drilling additives used? ☐ Yes ☒ No

Describe —

17. Source of water (attach analysis):

—

E. Bentonite seal, top _____ ft. MSL or 018.5 ft.
F. Fine sand, top _____ ft. MSL or 020.5 ft.
G. Filter pack, top _____ ft. MSL or 022.5 ft.
H. Screen joint, top _____ ft. MSL or 024.5 ft.
I. Well bottom _____ ft. MSL or 034.5 ft.
J. Filter pack, bottom _____ ft. MSL or 036.5 ft.
K. Borehole, bottom _____ ft. MSL or 036.5 ft.
L. Borehole, diameter 06.7 in.
M. O.D. well casing 02.10 in.
N. I.D. well casing 01.90 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 04.0 in.
b. Length: 07.0 ft.
c. Material: Steel ☒ 04; Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☒ __; Other ☐ __
5. Annular space seal: a. Granular Bentonite (Chipped) ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. _____ Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☒1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. UNIMIN, GRANUSIL INDUSTRIAL SAND 20/50
b. Volume added 0.2 ft^3
8. Filter pack material: Manufacturer, product name and mesh size
a. AMERICAN MATERIALS #30 PRINT SAND
b. Volume added 4.12 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ __
10. Screen material: .010 PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ __
b. Manufacturer NORTHERN AIRE
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Philip R Brashear | Firm: FOTH & VAN DYKE

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B Rev. 4-90

Route to: Solid Waste ☒ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Adams Co. Compost	Adams	MW-25
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well Number**
_____	01	GN076	045

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	

3. Time spent developing well 0030 min.

4. Depth of well (from top of well casisng) 037.6 ft.

5. Inside diameter of well 02.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 008.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 028.01 ft.	032.60 ft.
Date	b. 10/02/90 (m m d d y y)	10/02/90 (m m d d y y)
Time	c. 10:15 ☒ a.m. ☐ p.m.	10:45 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
(Describe)	LT. BROWN	LT. BROWN

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_____.__ mg/l	_____.__ mg/l
15. COD	_____.__ mg/l	_____.__ mg/l

16. Additional comments on development:
The information presented here was obtained from Foth & Van Dyke files. Development was done by Mike Mastreiter who is no longer with firm.

Well developed by: Person's Name and Firm

Name: Mike Mastreiter

Firm: Foth & Van Dyke

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Timothy R Boehnlein

Print Initials: PRB

Firm: Foth & Van Dyke

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: ADAMS Co. COMPOST	Local Grid Location of Well: _____ ft. ☐N. ☐S. _____ ft. ☐E. ☐W.	Well Name: MW-26
Facility License, Permit or Monitoring Number: _____	Grid Origin Location: Lat. _____ Long. _____ or	Wis. Unique Well Number: GN077 DNR Well Number: 046
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	St. Plane 740,629.0 ft. N, 3,091,413.5 ft. E.	Date Well Installed: 09/17/90 (m m / d d / y y)
Distance Well Is From Waste/Source Boundary: _____ ft.	Section Location of Waste/Source: NE 1/4 of SE 1/4 of Sec. 13, T. 18 N, R. 5 ☒E. ☐W.	Well Installed By: (Person's Name and Firm) CRAIG DICKINSON WTD
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient; d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation 963.04 ft. MSL
B. Well casing, top elevation 963.02 ft. MSL
C. Land surface elevation 960.0 ft. MSL
D. Surface seal, bottom _____ ft. MSL or 04.2 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☒ MH ☒ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50; Hollow Stem Auger ☒ 41; Other ☐ ___

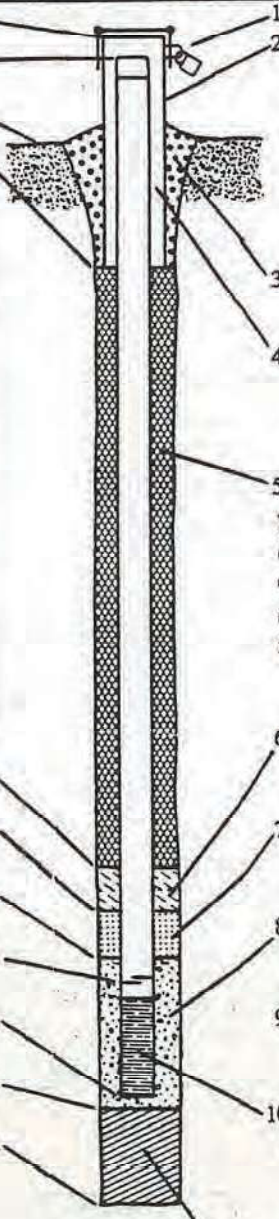
15. Drilling fluid used: Water ☐ 02; Air ☐ 01; Drilling Mud ☐ 03; None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ~

17. Source of water (attach analysis): ~

E. Bentonite seal, top _____ ft. MSL or 017.5 ft.
F. Fine sand, top _____ ft. MSL or 019.5 ft.
G. Filter pack, top _____ ft. MSL or 021.5 ft.
H. Screen joint, top _____ ft. MSL or 023.5 ft.
I. Well bottom _____ ft. MSL or 033.5 ft.
J. Filter pack, bottom _____ ft. MSL or 026.5 ft.
K. Borehole, bottom _____ ft. MSL or 036.5 ft.
L. Borehole, diameter 06.7 in.
M. O.D. well casing 02.10 in.
N. I.D. well casing 01.90 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 04.0 in.
b. Length: 07.0 ft.
c. Material: Steel ☒ 04; Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30; Annular space seal ☒ ___; Other ☐ ___
5. Annular space seal: a. ~~Granular~~ Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. ~~4.3~~ 3.9 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☐ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☒1/2 in. Bentonite pellets ☒ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. OLYMPIC GENSIL INDUSTRIAL SAND ___
b. Volume added 0.6 ft^3 30/50
8. Filter pack material: Manufacturer, product name and mesh size
a. AMERICAN MATERIALS #30 FLINT SAND ___
b. Volume added 4.4 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23; Flush threaded PVC schedule 80 ☐ 24; Other ☐ ___
10. Screen material: 0.010 PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐ ___
b. Manufacturer NORTHERN FIRE
c. Slot size: 0.010 in.
d. Slotted length: 20.0 ft.
11. Backfill material (below filter pack): None ☒ 14; Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Philip R Borchardt | Firm: ROTH & VAN DYKE

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☒ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
ADAMS Co. COMPOST	ADAMS	MW-26
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well Number**
_____	01	GN077	046

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	___

3. Time spent developing well 0015 min.

4. Depth of well (from top of well casisng) 026.3 ft.

5. Inside diameter of well 01.90 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 005.__ gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 026.31 ft.	031.40 ft.
Date	b. 10/02/90 (m m d d y y)	10/02/90 (m m d d y y)
Time	c. 13:35 ☐ a.m. ☐ p.m.	13:49 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
(Describe)	LT BROWN	LT BROWN
14. Total suspended solids	_____.__ mg/l	_____.__ mg/l
15. COD	_____.__ mg/l	_____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Additional comments on development:
The information presented here was obtained from Foth & Van Dyke files. Development was done by Mike Hasbeiter who is no longer with the firm.

Well developed by: Person's Name and Firm

Name: Mike Hasbeiter

Firm: Foth & Van Dyke

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Philip R Bierbach

Print Initials: P R B

Firm: Foth & Van Dyke

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ ______

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name ADAMS Co. COMPOST	Local Grid Location of Well ______ ft. ☐N. ☐S. ______ ft. ☐E. ☐W.	Well Name MW-27
Facility License, Permit or Monitoring Number _ _ _ _ _ _ _ _	Grid Origin Location Lat. ______ Long. ______ or	Wis. Unique Well Number GN078 DNR Well Number 047
Type of Well Water Table Observation Well ☒ 11 Piezometer ☐ 12	St. Plane 740,564.1 ft. N, 2,041,858.0 ft. E.	Date Well Installed 09/13/90 (mm dd yy)
Distance Well Is From Waste/Source Boundary — ft.	Section Location of Waste/Source NE 1/4 of SE 1/4 of Sec. 13, T. 18 N, R. 5 ☒E. ☐W.	Well Installed By: (Person's Name and Firm) CRAIG DICKINSON WTD
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	

A. Protective pipe, top elevation _280.84 ft. MSL

B. Well casing, top elevation _280.81 ft. MSL

C. Land surface elevation _272.0 ft. MSL

D. Surface seal, bottom _ _ _ _ . _ ft. MSL or 03.8 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ______

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe —

17. Source of water (attach analysis):
—

E. Bentonite seal, top _ _ _ _ . _ ft. MSL or 034.0 ft.

F. Fine sand, top _ _ _ _ . _ ft. MSL or 036.0 ft.

G. Filter pack, top _ _ _ _ . _ ft. MSL or 038.0 ft.

H. Screen joint, top _ _ _ _ . _ ft. MSL or 040.0 ft.

I. Well bottom _ _ _ _ . _ ft. MSL or 050.0 ft.

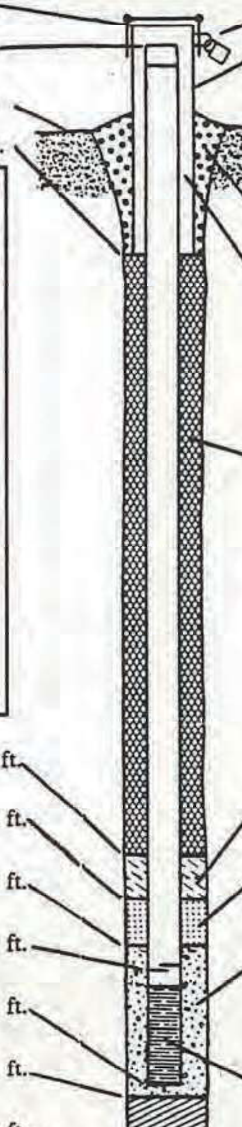
J. Filter pack, bottom _ _ _ _ . _ ft. MSL or 050.5 ft.

K. Borehole, bottom _ _ _ _ . _ ft. MSL or 050.5 ft.

L. Borehole, diameter 08.3 in.

M. O.D. well casing 02.38 in.

N. I.D. well casing 02.00 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 04.0 in.
b. Length: 07.0 ft.
c. Material: Steel ☒ 04
Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ______

3. Surface seal: Bentonite ☐ 30
Concrete ☒ 01
Other ☐

4. Material between well casing and protective pipe:
Bentonite ☐ 30
Annular space seal ☒ --
Other ☐ --

5. Annular space seal: a. ~~Granular~~ Chipped Bentonite ☒ 33
b. ______ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ______ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ______ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 13.9 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01
Tremie pumped ☐ 02
Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☒1/2 in. Bentonite pellets ☒ 32
c. ______ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. UNIMIN, GRANUSIC INDUSTRIAL SAND 30/50 --
b. Volume added 0.9 ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. AMERICAN MATERIALS #30 FLINT SAND --
b. Volume added 5.8 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐

10. Screen material: .010 PVC
a. Screen type: Factory cut ☒ 11
Continuous slot ☐ 01
Other ☐
b. Manufacturer NORTHERN TILE
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☒ 14
Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
[signature]	FOTH & VAN DYKE

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 4-90

Route to: Solid Waste ☒ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Adams Co. Compost	Adams	MW-27
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well Number**
_____	01	GN078	047

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☒	41
surged with bailer and pumped	☐	61
surged with block and bailed	☐	42
surged with block and pumped	☐	62
surged with block, bailed and pumped	☐	70
compressed air	☐	20
bailed only	☐	10
pumped only	☐	51
pumped slowly	☐	50
Other _____	☐	___

3. Time spent developing well 0020 min.

4. Depth of well (from top of well casisng) 053.3 ft.

5. Inside diameter of well 02.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 008.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 042.31 ft.	045.40 ft.
Date	b. 10/02/90 (m m d d y y)	10/02/90 (m m d d y y)
Time	c. 11:10 ☒ a.m. ☐ p.m.	11:28 ☐ a.m. ☐ p.m.
12. Sediment in well bottom	___.__ inches	___.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) LT BROWN	Clear ☐ 20 Turbid ☒ 25 (Describe) LT BROWN
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____.__ mg/l	_____.__ mg/l
15. COD	_____.__ mg/l	_____.__ mg/l

16. Additional comments on development:
The information presented here was obtained from Foth & Van Dyke Engineering. Development was done by Mike Mastreiter who is no longer with firm.

Well developed by: Person's Name and Firm

Name: Mike Mastreiter

Firm: Foth & Van Dyke

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Philip R Buerhaus

Print Initials: P R B

Firm: Foth and Van Dyke

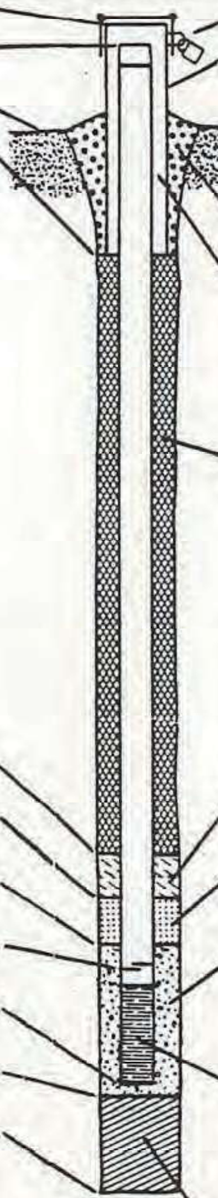
NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

State of Wisconsin
Department of Natural Resources

Route to: Solid Waste ☐ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ ________

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 4-90

Facility/Project Name: ADAMS Co. COMPOST	Local Grid Location of Well: ______ ft. ☐N. ☐S. ______ ft. ☐E. ☐W.	Well Name: MW-2B
Facility License, Permit or Monitoring Number: ________	Grid Origin Location: Lat. ______ Long. ______ or	Wis. Unique Well Number: GN079 DNR Well Number: 048
Type of Well: Water Table Observation Well ☒ 11; Piezometer ☐ 12	St. Plane 740,262.2 ft. N, 2,041,656.8 ft. E.	Date Well Installed: 09/15/91 (m m d d y y)
Distance Well Is From Waste/Source Boundary: ______ ft.	Section Location of Waste/Source: NE 1/4 of SE 1/4 of Sec. 13, T. 18 N, R. 5 ☒E. ☐W.	Well Installed By: (Person's Name and Firm) CRAIG DICKINSON, WTD, INC.
Is Well A Point of Enforcement Std. Application? ☐ Yes ☐ No	Location of Well Relative to Waste/Source: u ☐ Upgradient; s ☐ Sidegradient; d ☐ Downgradient; n ☐ Not Known	



A. Protective pipe, top elevation 974.20 ft. MSL

B. Well casing, top elevation 974.15 ft. MSL

C. Land surface elevation 972.3 ft. MSL

D. Surface seal, bottom ______ ft. MSL or 04.3 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☒ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis attached? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe ________

17. Source of water (attach analysis): ________

E. Bentonite seal, top ______ ft. MSL or 026.0 ft.

F. Fine sand, top ______ ft. MSL or 028.0 ft.

G. Filter pack, top ______ ft. MSL or 030.0 ft.

H. Screen joint, top ______ ft. MSL or 032.0 ft.

I. Well bottom ______ ft. MSL or 042.0 ft.

J. Filter pack, bottom ______ ft. MSL or 042.5 ft.

K. Borehole, bottom ______ ft. MSL or 042.5 ft.

L. Borehole, diameter 08.0 in.

M. O.D. well casing 02.38 in.

N. I.D. well casing 02.00 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 04.0 in.
b. Length: 07.0 ft.
c. Material: Steel ☒ 04; Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ________

3. Surface seal: Bentonite ☐ 30; Concrete ☒ 01; Other ☐

4. Material between well casing and protective pipe:
Bentonite ☐ 30
Annular space seal ☒
Other ☐

5. Annular space seal: a. ~~Granular~~ Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 9.2 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01; Tremie pumped ☐ 02; Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☐3/8 in. ☒1/2 in. Bentonite pellets ☒ 32
c. ________ Other ☐

7. Fine sand material: Manufacturer, product name & mesh size
a. UNIMIN, GRANUSIL INDUSTRIAL SAND 30/50
b. Volume added ~~0~~ 0.86 ft^3

8. Filter pack material: Manufacturer, product name and mesh size
a. AMERICAN MATERIALS #30 FLINT SAND
b. Volume added 5.3 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐

10. Screen material: .010 PVC
a. Screen type: Factory cut ☒ 11; Continuous slot ☐ 01; Other ☐
b. Manufacturer NORTHERN AIRE
c. Slot size: 0.010 in.
d. Slotted length: 10.0 ft.

11. Backfill material (below filter pack): None ☒ 14; Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
[signature]	FOTH & VAN DYKE

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160, Wis. Stats., and ch. NR 141, Wis. Ad. Code. In accordance with ch.144, Wis Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instructions for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B Rev. 4-90

Route to: Solid Waste ☒ Haz. Waste ☐ Wastewater ☐
Env. Response & Repair ☐ Underground Tanks ☐ Other ☐ _____

Facility/Project Name	County Name	Well Name
Adams Co. Compost	Adams	MW-28
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number**	**DNR Well Number**
_____	01	GN079	048

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method

surged with bailer and bailed	☒ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ ___

3. Time spent developing well 0020 min.

4. Depth of well (from top of well casisng) 045.5 ft.

5. Inside diameter of well 02.00 in.

6. Volume of water in filter pack and well casing ____.__ gal.

7. Volume of water removed from well 006.0 gal.

8. Volume of water added (if any) ____.__ gal.

9. Source of water added _____

10. Analysis performed on water added? ☐ Yes ☒ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 039.68 ft.	040.05 ft.
Date	b. 10/02/90 (m m d d y y)	10/02/90 (m m d d y y)
Time	c. 12:09 ☐ a.m. ☒ p.m.	12:25 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	__.__ inches	__.__ inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
(Describe)	Lt. Brown	Lt. Brown
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____.__ mg/l	_____.__ mg/l
15. COD	_____.__ mg/l	_____.__ mg/l

16. Additional comments on development:
The information presented here was obtained from Foth & Van Dyke files. Development was done by Mike Mastreiter who is no longer with firm.

Well developed by: Person's Name and Firm

Name: Mike Mastreiter

Firm: Foth & Van Dyke

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Philip R Broeker

Print Initials: P R B

Firm: Foth & Van Dyke

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

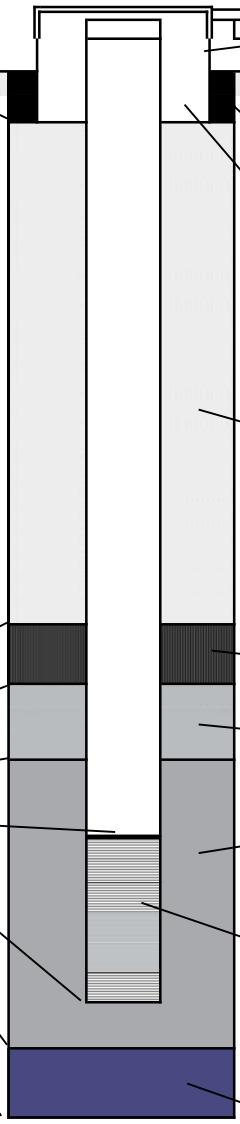
State of Wisconsin | Route to: Solid Waste x Haz. Waste ___ Wastewater ___ | MONITORING WELL CONSTRUCTION
Department of Natural Resources | Env. Response & Repair ___ Underground Tanks ___ Other ___ | Form 4400-113A Rev. 4-90

Facility /Project Name: Adams County Solid Waste Feasibility	Local Grid Location of Well: ___ ft. N. ___ ft. S. ___ ft. E. ___ ft. W.	Well Name: MW-29
Facility License, Permit or Monitoring Number: 3150	Grid Origin Location: Lat. ___ Long. ___ or St. Plane 742169.151 ft. N. 2010739.562 ft.E.	Wis. Unique Well Number: VP-147 DNR Well Number: 049
Type of Well: Water Table Observation Well X 11; Piezometer ___ 12	Section Location of Waste/Source	Date Well Installed: 11/20/15
Distance Well Is From Waste/Source Boundary: 236 ft.		Well Installed By: (Person's Name and Firm): Joe Black - PSI
Is Well A Point of Enforcement Std. Application? ___ Yes ___ No	Location of Well Relative to Waste/Source: u X Upgradient; d ___ Downgradient; s X Sidegradient; n ___ Not Known	

A. Protective Pipe, top elevation 963.69 ft. MSL
B. Well casing, top elevation 963.47 ft. MSL
C. Land surface elevaton 961.73 ft. MSL
D. Surface seal, bottom ___ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ___ GM ___ GC ___ GW ___ SW ___ SP ___
SM ___ SC ___ ML ___ MH ___ CL x CH ___
Bedrock ___
13. Sieve analysis attached? x Yes ___ No
14. Drilling method used: Rotary ___ 50; Hollow Stem Auger x 41; Other ___
15. Drilling fluid used: Air ___ 01 Water ___ 02; Drilling Mud ___ 03 None x 99
16. Drilling additives used? ___ Yes x No
Describe ___
17. Source of water (attach analysis):

E. Bentonite seal, top ___ ft. MSL or 1.0 ft.
F. Fine sand, top ___ ft. MSL or 14.0 ft.
G. Filter pack, top ___ ft. MSL or 16.0 ft.
H. Screen joint, top ___ ft. MSL or 18.0 ft.
I. Well bottom ___ ft. MSL or 33.0 ft.
J. Filter pack, bottom ___ ft. MSL or 33.0 ft.
K. Borehole, bottom ___ ft. MSL or 35.0 ft.
L. Borehole, diameter 8 in
M. O.D. well casing 2.375 in
N. I.D. well casing 2.047 in



1. Cap and Lock? x Yes ___ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel X 04; Other ___
d. Additional protection? Yes ___ No x
If yes, describe ___
3. Surface seal: Bentonite ___ 30; Concrete ___ 01; Native Cuttings Other x
4. Material between well casing and protective pipe: Bentonite ___ 30; Annular Space Seal ___; Native cuttings Other X
5. Annular space seal: a. Granular Bentonite x 33
b. ___ Lbs/gal mud weight..... Bentonite-sand slurry ___ 35
c. ___ Lbs/gal mud weight..... Bentonite slurry ___ 31
d. ___ % Bentonite..... Bentonite-cement grout ___ 50
e. 4.5 cubic ft volume added for any of the above
f. How installed: Tremie ___ 01; Tremie pumped ___ 02; Gravity x 08
6. Bentonite seal: a. Bentonite granules ___ 33
b. 1/4in. ___ 3/8in. x 1/2in. ___ Bentonite Pellets x 32
c. ___ Other ___
7. Fine sand material: Manufacturer, product name and mesh size
a. Red Flint Sand 0.45-0.55
b. Volume Added 0.70ft3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint Sand 40
b. Volume Added 6.63ft3
9. Well casing: Flush threaded PVC schedule 40 x 23; Flush threaded PVC schedule 80 ___ 24; Other ___
10. Screen material: PVC
a. Screen type: Factory cut x 11; Continuous slot ___ 01; Other ___
b. Manufacturer EMI
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill Material (below filter pack): None ___ 14; Native cuttings Other ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
William Honea, Nicole Bader	**AYRES ASSOCIATES**

I.
and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-13B

Facility/Project Name	County Name	Well Name
Adams County Landfill & Recycling Center	Adams	MW-29

License/Permit/Monitoring Number	County Code	Wisconsin Unique Well Number	DNR Well Number
3150	1	VP-147	049

1. Can this well be purged dry? ___ Yes X No

2. Well Development method

surged with bailer and bailed	___	41
surged with bailer and pumped	___	61
surged with block and bailed	___	42
surged with block and pumped	___	62
surged with block, bailed and pumped	___	70
compressed air	___	20
bailed only	___	10
pumped only	X	51
pumped slowly	___	50
Other	___	

3. Time spent developing well: 180 min.
4. Depth of well (from top of well casing): 34.62 ft.
5. Inside diameter of well: 2.067 in.
6. Volume of water in filter pack and well: 9.4 gal.
7. Volume of water removed from well: 200 gal.
8. Volume of water added (if any): N/A gal.
9. Source of water added: N/A
10. Analysis performed on water added? (If yes, attach results) ___ Yes X No

	Before Development	After Development
11. Depth to Water (from top of well casing)	30.72	34.22
Date	11/23/2015 (mm dd yy)	11/24/2015 (mm dd yy)
Time	10:25 a.m. / p.m.	10:00 a.m. / p.m.
12. Sediment in well bottom	0.67 inches	0 inches
13. Water clarity	Clear / Turbid X / Describe	Clear X / Turbid / Describe
	See Additional Comments Below	

Fill in if drilling fluids were used and well is at solid waste facility

14. Total suspended solids	mg/l	20 mg/l
15. COD	mg/l	mg/l

Additional comments on development:

VOLUME REMOVED (GAL)	ODOR	COLOR	TURBIDITY	COMMENTS
0-50	NO	Dark Brown	Very	Sediment
51-100	NO	Brown	Moderate	Sediment
101-180	NO	Light Brown	Slight	Sediment
181-200	NO	Light Brown	Slight	

Well developed by: Person's Name and Firm

Name: Eric J Madsen

Firm: Professional Service Industries Inc.

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Eric J. Madsen

Print Initials: EJM

Firm: Professional Service Industries Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin | Route to: | Solid Waste x | Haz. Waste | Wastewater | | MONITORING WELL CONSTRUCTION
Department of Natural Resources | Env. Response & Repair | Underground Tanks | Other | Form 4400-113A | Rev. 4-90

Facility /Project Name: Adams County Solid Waste Feasibility	Local Grid Location of Well: ft. N. S. ft. E. W.	Well Name: MW-30
Facility License, Permit or Monitoring Number: 3150	Grid Origin Location: Lat. Long. or St. Plane 741638.774 ft. N. 2010658.579 ft.E.	Wis. Unique Well Number: VP-144 DNR Well Number: 050
Type of Well: Water Table Observation Well x 11; Piezometer 12	Section Location of Waste/Source	Date Well Installed: 11/17/15
Distance Well Is From Waste/Source Boundary: 118 ft.		Well Installed By: (Person's Name and Firm): Joe Black - PSI
Is Well A Point of Enforcement Std. Application? Yes No	Location of Well Relative to Waste/Source: u X Upgradient; d Downgradient; s Sidegradient; n Not Known	

A. Protective Pipe, top elevation 979.75 ft. MSL
B. Well casing, top elevation 979.49 ft. MSL
C. Land surface elevaton 977.84 ft. MSL
D. Surface seal, bottom ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML x MH CL CH
Bedrock
13. Sieve analysis attached? x Yes No
14. Drilling method used: Rotary 50; Hollow Stem Auger x 41; Other
15. Drilling fluid used: Air 01; Water 02; Drilling Mud 03; None x 99
16. Drilling additives used? Yes x No
Describe
17. Source of water (attach analysis):

E. Bentonite seal, top ft. MSL or 1.0 ft.
F. Fine sand, top ft. MSL or 26.0 ft.
G. Filter pack, top ft. MSL or 28.0 ft.
H. Screen joint, top ft. MSL or 30.0 ft.
I. Well bottom ft. MSL or 45.0 ft.
J. Filter pack, bottom ft. MSL or 45.0 ft.
K. Borehole, bottom ft. MSL or 45.0 ft.
L. Borehole, diameter 8 in
M. O.D. well casing 2.38 in
N. I.D. well casing 2.06 in

1. Cap and Lock? x Yes No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel X 04; Other
d. Additional protection? Yes No x
If yes, describe
3. Surface seal: Bentonite 30; Concrete 01; Native Cuttings; Other x
4. Material between well casing and protective pipe: Bentonite 30; Annular Space Seal; Native cuttings; Other x
5. Annular space seal: a. Granular Bentonite x 33
b. Lbs/gal mud weight.....Bentonite-sand slurry 35
c. Lbs/gal mud weight..... Bentonite slurry 31
d. % Bentonite..... Bentonite-cement grout 50
e. 8.7 cubic ft volume added for any of the above
f. How installed: Tremie 01; Tremie pumped 02; Gravity x 08
6. Bentonite seal: a. Bentonite granules 33
b. 1/4in. 3/8in. x 1/2in. Bentonite Pellets x 32
c. Other
7. Fine sand material: Manufacturer, product name and mesh size
a. Red Flint Sand 0.45-0.55
b. Volume Added 0.70ft3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint Sand 40
b. Volume Added 5.93ft3
9. Well casing: Flush threaded PVC schedule 40 x 23; Flush threaded PVC schedule 80 24; Other
10. Screen material: PVC
a. Screen type: Factory cut x 11; Continuous slot 01; Other
b. Manufacturer EMI
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill Material (below filter pack): None x 14; Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
William Honea, Nicole Bader	**AYRES ASSOCIATES**

F.
and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-13B

Facility/Project Name	County Name	Well Name
Adams County Landfill & Recycling Center	Adams	MW-30

License/Permit/Monitoring Number	County Code	Wisconsin Unique Well Number	DNR Well Number
3150	1	VP-144	050

1. Can this well be purged dry? ___ Yes X No

2. Well Development method

surged with bailer and bailed	___	41
surged with bailer and pumped	___	61
surged with block and bailed	___	42
surged with block and pumped	___	62
surged with block, bailed and pumped	___	70
compressed air	___	20
bailed only	___	10
pumped only	X	51
pumped slowly	___	50
Other ___	___	

3. Time spent developing well: 55 min.
4. Depth of well (from top of well casing): 47.16 ft.
5. Inside diameter of well: 2.067 in.
6. Volume of water in filter pack and well: 7.8 gal.
7. Volume of water removed from well: 100 gal.
8. Volume of water added (if any): N/A gal.
9. Source of water added: N/A
10. Analysis performed on water added? (If yes, attach results) ___ Yes X No

	Before Development	After Development
11. Depth to Water (from top of well casing)	38.54	41.13
Date	11/23/2015 (mm dd yy)	11/23/2015 (mm dd yy)
Time	1:00 a.m. / p.m.	1:55 a.m. / p.m.
12. Sediment in well bottom	27.84 inches	0 inches
13. Water clarity	Clear / Turbid X / Describe	Clear X / Turbid / Describe
	See Additional Comments Below	

Fill in if drilling fluids were used and well is at solid waste facility

14. Total suspended solids	mg/l	17 mg/l
15. COD	mg/l	mg/l

Additional comments on development:

VOLUME REMOVED (GAL)	ODOR	COLOR	TURBIDITY	COMMENTS
0-30	NO	Dark Brown	Very	Sediment
31-50	NO	Brown	Moderate	Sediment
51-80	NO	Light Brown	Slight	Sediment
81-100	NO	Clear	None	

Well developed by: Person's Name and Firm

Name: Eric J Madsen

Firm: Professional Service Industries Inc.

I hereby certify that the above information is true and correct to the best of my knowledge

Signature: Eric J. Madsen

Print Initials: EJM

Firm: Professional Service Industries Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

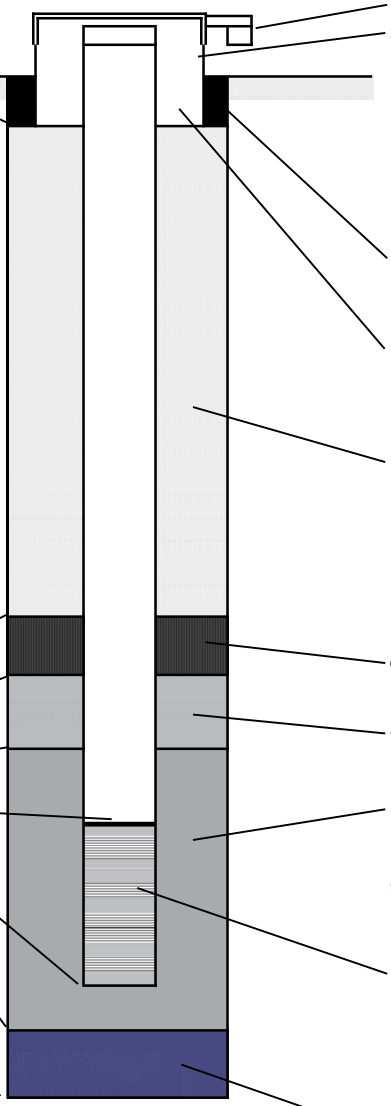
State of Wisconsin | Route to: Solid Waste x Haz. Waste ___ Wastewater ___ | MONITORING WELL CONSTRUCTION
Department of Natural Resources | Env. Response & Repair ___ Underground Tanks ___ Other ___ | Form 4400-113A Rev. 4-90

Facility /Project Name: Adams County Solid Waste Feasibility	Local Grid Location of Well: ___ ft. ___ N. ___ ft. ___ S. ___ ft. ___ E. ___ W.	Well Name: MW-30P
Facility License, Permit or Monitoring Number: 3150	Grid Origin Location: Lat. ___ Long. ___ or St. Plane 741645.608 ft. N. 2010659.79 ft.E.	Wis. Unique Well Number: VP-145 DNR Well Number: 051
Type of Well: Water Table Observation Well ___ 11; Piezometer x 12	Section Location of Waste/Source	Date Well Installed: 11/18/15
Distance Well Is From Waste/Source Boundary: 120 ft.		Well Installed By: (Person's Name and Firm) Joe Black - PSI
Is Well A Point of Enforcement Std. Application? ___ Yes ___ No	Location of Well Relative to Waste/Source: u X Upgradient; d ___ Downgradient; s ___ Sidegradient; n ___ Not Known	

A. Protective Pipe, top elevation 979.94 ft. MSL
B. Well casing, top elevation 979.69 ft. MSL
C. Land surface elevaton 977.94 ft. MSL
D. Surface seal, bottom ___ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ___ GM ___ GC ___ GW ___ SW ___ SP ___
SM x SC ___ ML ___ MH ___ CL ___ CH ___
Bedrock ___
13. Sieve analysis attached? x Yes ___ No
14. Drilling method used: Rotary ___ 50; Hollow Stem Auger x 41; Other ___
15. Drilling fluid used: Air ___ 01 Water ___ 02; Drilling Mud ___ 03 None x 99
16. Drilling additives used? ___ Yes x No
Describe ___
17. Source of water (attach analysis):
Drinking water well at Adams County solid waste office

E. Bentonite seal, top ___ ft. MSL or ___ ft.
F. Fine sand, top ___ ft. MSL or 34.0 ft.
G. Filter pack, top ___ ft. MSL or 68.0 ft.
H. Screen joint, top ___ ft. MSL or 70.0 ft.
I. Well bottom ___ ft. MSL or 75.0 ft.
J. Filter pack, bottom ___ ft. MSL or 75.0 ft.
K. Borehole, bottom ___ ft. MSL or 75.0 ft.
L. Borehole, diameter 8 in
M. O.D. well casing 2.38 in
N. I.D. well casing 2.06 in



1. Cap and Lock? x Yes ___ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel X 04; Other ___
d. Additional protection? Yes ___ No x
If yes, describe ___
3. Surface seal: Bentonite ___ 30; Concrete ___ 01; Native Cuttings; Other x
4. Material between well casing and protective pipe: Bentonite ___ 30; Annular Space Seal ___; Native cuttings; Other x
5. Annular space seal: a. Granular Bentonite ___ 33
b. ___ Lbs/gal mud weight..... Bentonite-sand slurry ___ 35
c. ___ Lbs/gal mud weight..... Bentonite slurry ___ 31
d. ___ % Bentonite..... Bentonite-cement grout x 50
e. 12.22 cubic ft volume added for any of the above
f. How installed: Tremie x 01; Tremie pumped ___ 02; Gravity ___ 08
6. Bentonite seal: a. Bentonite granules ___ 33
b. 1/4in. ___ 3/8in. x 1/2in. ___ Bentonite Pellets x 32
c. ___ Other ___
7. Fine sand material: Manufacturer, product name and mesh size
a. Red Flint Sand 0.45-0.55
b. Volume Added 0.70ft3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint Sand 40
b. Volume Added 2.44ft3
9. Well casing: Flush threaded PVC schedule 40 x 23; Flush threaded PVC schedule 80 ___ 24; Other ___
10. Screen material: PVC
a. Screen type: Factory cut x 11; Continuous slot ___ 01; Other ___
b. Manufacturer EMI
c. Slot size: 0.010 in.
d. Slotted length: 5 ft.
11. Backfill Material (below filter pack): None x 14; Other ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
William Honea, Nicole Bader	**AYRES ASSOCIATES**

F.
and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-13B

Facility/Project Name	County Name	Well Name
Adams County Landfill & Recycling Center	Adams	MW-30P

License/Permit/Monitoring Number	County Code	Wisconsin Unique Well Number	DNR Well Number
3150	1	VP-145	051

1. Can this well be purged dry? ___ Yes X No

2. Well Development method

surged with bailer and bailed	___	41
surged with bailer and pumped	___	61
surged with block and bailed	___	42
surged with block and pumped	___	62
surged with block, bailed and pumped	___	70
compressed air	___	20
bailed only	___	10
pumped only	X	51
pumped slowly	___	50
Other	___	

3. Time spent developing well: 90 min.
4. Depth of well (from top of well casing): 76.05 ft.
5. Inside diameter of well: 2.067 in.
6. Volume of water in filter pack and well: 10.4 gal.
7. Volume of water removed from well: 150 gal.
8. Volume of water added (if any): N/A gal.
9. Source of water added: N/A
10. Analysis performed on water added? (If yes, attach results) ___ Yes X No

	Before Development	After Development
11. Depth to Water (from top of well casing)	45.3	45.32
Date	11/23/2015 (mm dd yy)	11/23/2015 (mm dd yy)
Time	2:00 p.m.	3:00 p.m.
12. Sediment in well bottom	5.3 inches	0 inches
13. Water clarity	Clear / Turbid X / Describe	Clear X / Turbid / Describe
	See Additional Comments Below	

Fill in if drilling fluids were used and well is at solid waste facility

14. Total suspended solids	mg/l	99 mg/l
15. COD	mg/l	mg/l

Additional comments on development:

VOLUME REMOVED (GAL)	ODOR	COLOR	TURBIDITY	COMMENTS
0-50	NO	Dark Brown	Very	Sediment
51-90	NO	Brown	Moderate	Sediment
91-120	NO	Light Brown	Slight	Sediment
121-150	NO	Clear	None	Sediment

Well developed by: Person's Name and Firm

Name: Eric J Madsen

Firm: Professional Service Industries Inc.

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Eric J. Madsen

Print Initials: EJM

Firm: Professional Service Industries Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin | Route to: Solid Waste x Haz. Waste ___ Wastewater ___ | MONITORING WELL CONSTRUCTION
Department of Natural Resources | Env. Response & Repair ___ Underground Tanks ___ Other ___ | Form 4400-113A Rev. 4-90

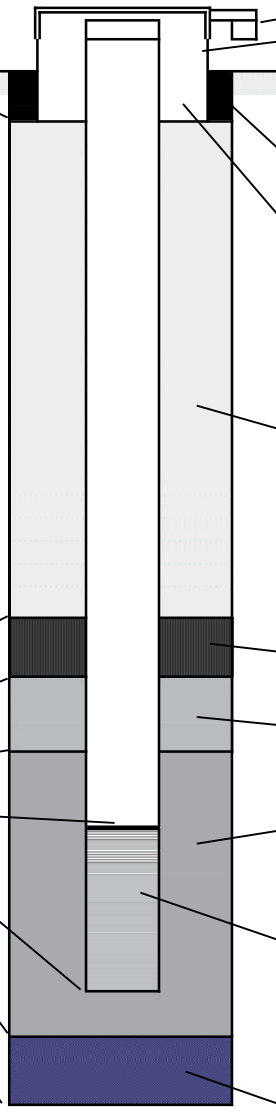
Facility /Project Name: Adams County Solid Waste Feasibility	Local Grid Location of Well: ___ ft. N. ___ ft. S. ___ ft. E. ___ ft. W.	Well Name: MW-31
Facility License, Permit or Monitoring Number: 3150	Grid Origin Location: Lat. ___ Long. ___ or St. Plane 741100.745 ft. N. 2010709.457 ft.E.	Wis. Unique Well Number: VP-146 DNR Well Number: 052
Type of Well: Water Table Observation Well x 11; Piezometer ___ 12	Section Location of Waste/Source	Date Well Installed: 11/17/15
Distance Well Is From Waste/Source Boundary: 118 ft.		Well Installed By: (Person's Name and Firm): Joe Black - PSI
Is Well A Point of Enforcement Std. Application? ___ Yes ___ No	Location of Well Relative to Waste/Source: u X Upgradient; d ___ Downgradient; s ___ Sidegradient; n ___ Not Known	

A. Protective Pipe, top elevation 969.92 ft. MSL
B. Well casing, top elevation 969.70 ft. MSL
C. Land surface elevaton 967.89 ft. MSL
D. Surface seal, bottom ___ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ___ GM ___ GC ___ GW ___ SW ___ SP ___
SM x SC ___ ML ___ MH ___ CL ___ CH ___
Bedrock ___

13. Sieve analysis attached? x Yes ___ No
14. Drilling method used: Rotary ___ 50; Hollow Stem Auger x 41; Other ___
15. Drilling fluid used: Air ___ 01 Water ___ 02; Drilling Mud ___ 03 None x 99
16. Drilling additives used? ___ Yes x No
Describe ___
17. Source of water (attach analysis):

E. Bentonite seal, top ___ ft. MSL or 1.0 ft.
F. Fine sand, top ___ ft. MSL or 21.0 ft.
G. Filter pack, top ___ ft. MSL or 23.0 ft.
H. Screen joint, top ___ ft. MSL or 25.0 ft.
I. Well bottom ___ ft. MSL or 40.0 ft.
J. Filter pack, bottom ___ ft. MSL or 40.0 ft.
K. Borehole, bottom ___ ft. MSL or 40.0 ft.
L. Borehole, diameter 8 in
M. O.D. well casing 2.38 in
N. I.D. well casing 2.06 in



1. Cap and Lock? x Yes ___ No
2. Protective cover pipe:
a. Inside diameter: 4 in.
b. Length: 5 ft.
c. Material: Steel X 04; Other ___
d. Additional protection? Yes ___ No x
If yes, describe ___
3. Surface seal: Bentonite ___ 30; Concrete ___ 01; Native Cuttings; Other x
4. Material between well casing and protective pipe: Bentonite ___ 30; Annular Space Seal ___; Native cuttings; Other x
5. Annular space seal: a. Granular Bentonite x 33
b. ___ Lbs/gal mud weight..... Bentonite-sand slurry ___ 35
c. ___ Lbs/gal mud weight..... Bentonite slurry ___ 31
d. ___ % Bentonite..... Bentonite-cement grout ___ 50
e. 6.98 cubic ft volume added for any of the above
f. How installed: Tremie ___ 01; Tremie pumped ___ 02; Gravity x 08
6. Bentonite seal: a. Bentonite granules ___ 33
b. 1/4in. ___ 3/8in. x 1/2in. ___ Bentonite Pellets x 32
c. Other ___
7. Fine sand material: Manufacturer, product name and mesh size
a. Red Flint Sand 0.45-0.55
b. Volume Added 0.70ft3
8. Filter pack material: Manufacturer, product name and mesh size
a. Red Flint Sand 40
b. Volume Added 5.93ft3
9. Well casing: Flush threaded PVC schedule 40 x 23; Flush threaded PVC schedule 80 ___ 24; Other ___
10. Screen material: PVC
a. Screen type: Factory cut x 11; Continuous slot ___ 01; Other ___
b. Manufacturer EMI
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill Material (below filter pack): None x 14; Other ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
William Honea, Nicole Bader	**AYRES ASSOCIATES**

F .
and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144, Wis Stats., failure to file this form may result in a forfeiture of not less than $10, nor more than $5000 for each day of violation. In accordance with ch. 147, Wis. Stats., failure to file this form may result in a forfeiture of not more than $10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. See instruction for more information including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-13B

Facility/Project Name	County Name	Well Name
Adams County Landfill & Recycling Center	Adams	MW-31

License/Permit/Monitoring Number	County Code	Wisconsin Unique Well Number	DNR Well Number
3150	1	VP-146	052

1. Can this well be purged dry? ___ Yes X No

2. Well Development method

surged with bailer and bailed	___	41
surged with bailer and pumped	___	61
surged with block and bailed	___	42
surged with block and pumped	___	62
surged with block, bailed and pumped	___	70
compressed air	___	20
bailed only	___	10
pumped only	X	51
pumped slowly	___	50
Other	___	

3. Time spent developing well: 180 min.
4. Depth of well (from top of well casing): 42.22 ft.
5. Inside diameter of well: 2.067 in.
6. Volume of water in filter pack and well: 10.4 gal.
7. Volume of water removed from well: 280 gal.
8. Volume of water added (if any): N/A gal.
9. Source of water added: N/A
10. Analysis performed on water added? (If yes, attach results) ___ Yes X No

	Before Development	After Development
11. Depth to Water (from top of well casing)	30.72	34.22
Date	11/23/2015 (mm dd yy)	11/24/2015 (mm dd yy)
Time	10:25 a.m. / p.m.	2:40 a.m. / p.m.
12. Sediment in well bottom	27.84 inches	0 inches
13. Water clarity	Clear / Turbid X / Describe	Clear X / Turbid / Describe
	See Additional Comments Below	

Fill in if drilling fluids were used and well is at solid waste facility

14. Total suspended solids	mg/l	12 mg/l
15. COD	mg/l	mg/l

Additional comments on development:

VOLUME REMOVED (GAL)	ODOR	COLOR	TURBIDITY	COMMENTS
0-50	NO	Dark Brown	Very	Sediment
51-100	NO	Brown	Moderate	Sediment
101-200	NO	Light Brown	Slight	Sediment
201-250	NO	Clear	None	Sediment
251-280	NO	Clear	None	

Well developed by: Person's Name and Firm

Name: Eric J Madsen

Firm: Professional Service Industries Inc.

I hereby certify that the above information is true and correct to the best of my knowledge

Signature: Eric J. Madsen

Print Initials: EJM

Firm: Professional Service Industries Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information.

State of Wisconsin
Department of Natural Resources

GROUNDWATER MONITORING WELL INFORMATION FORM

Chapter 281 and 289, Wis. Stats.
Form 4400-89
Rev. 7-98

Facility Name	Facility ID Number	License, Permit or Monitoring No.	Date	Completed By (Name and Firm)
Adams Cnty Landfill & Recycling Center	701040560	03150	3/4/2016	William Honea, Ayres Associates

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir. N/E	Dir. S/W	Date Established	Well Casing Diam.	Well Casing Type	Elevations Top of Well Casing	Elevations Ground Surface	Reference MSL (√)	Reference Site Datum (√)	Depths Screen Top	Depths Initial Groundwater	Depths Well Depth	Screen Length	Well Type	Well Status	Enf. Stds.	Grad-ient	Distance to Waste
			742163.63	N																	
DM435	MW-1	001	2009288.72	E		6/7/1984	2	P	960.53	959.12	X		26.41	20.0	39.45	15	11/mw	A		U	117
			742159.41	N																	
DM436	MW-1P	002	2009288.59	E		7/15/1987	2	P	960.64	959.70	X		65.94	NA	71.65	5	12/pz	A		U	117
			742159.34	N																	
DM437	MW-2	003	2010389.72	E		6/6/1984	2	P	964.96	963.24	X		22.72	20.0	36.35	15	11/mw	A		S	115
			742158.76	N																	
DM438	MW-2P	004	2010387.37	E		7/14/1987	2	P	964.62	963.03	X		61.59	NA	66.43	5	12/pz	A		S	115
			741290.78	N																	
DM439	MW-3	005	2010400.54	E		6/6/1984	2	P	964.88	962.22	X		28.66	25.0	41.05	15	11/mw	A	X	D	283
			741291.05	N																	
DM440	MW-3P	006	2010400.64	E		6/12/1986	2	P	964.04	962.07	X		66.97	NA	70.00	5	12/pz	A	X	D	283
			741239.75	N																	
DM441	MW-6	007	2009082.11	E		6/9/1986	2	P	975.27	973.83	X		28.44	36.0	44.52	15	11/mw	A	X	U	235
			741236.73	N																	
DM442	MW-6P	008	2009084.47	E		6/10/1986	2	P	976.08	974.22	X		69.06	NA	73.38	5	12/pz	A	X	U	235
			741656.35	N																	
DM443	MW-7	009	2009093.52	E		6/10/1986	2	P	968.09	966.44	X		25.45	26.0	34.62	10	71/dw	A		U	233
			741660.34	N																	
DM444	MW-7P	010	2009096.36	E		6/11/1986	2	P	968.58	966.65	X		59.63	NA	64.46	5	72/dp	A		U	233
			NS																		
DM445	MW-8	011	NS			6/12/1986	2	P	982.90	981.06	X		40.34	39.6	50.34	10	NA	I		N	0
			740960.50	N																	
DM446	MW-9	012	2009652.58	E		6/10/1986	2	P	965.54	963.03	X		20.71	21.0	32.53	10	11/dw	A	X	S	300

Location Coordinates Are:
☒ State Plane Coordinate ☐ Local Grid System
☐ Northern
☐ Central
☒ Southern

Grid Origin Location: (Check if estimated: ☐)
Lat. ____ ° ____ ' ____ " Long. ____ ° ____ ' ____ " or
St. Plane ____ ft. N. ____ ft. E. S/C/N Zone

Remarks: Updated State Plane Coordinates and top of casing elevations
surface elevations, screen top depths, initial groundwater depth, and well depths
NA- not available, NS- not surveyed

Completion of this form is mandatory under s. NR 507.14 and NR 110.25 Wis. Adm. Code. Failure to file this form may result in forfeiture of not less than $10 nor more than $5,000 for each day of violation. Personally identifiable information provided is intended to be used by the Department for the purposes related to the waste management program.

State of Wisconsin
Department of Natural Resources

GROUNDWATER MONITORING WELL INFORMATION FORM

Chapter 281 and 289, Wis. Stats.
Form 4400-89
Rev. 7-98

Facility Name	Facility ID Number	License, Permit or Monitoring No.	Date	Completed By (Name and Firm)
Adams Cnty Landfill & Recycling Center	701040560	03150	3/4/2016	William Honea, Ayres Associates

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir. N/E	Dir. S/W	Date Established	Well Casing Diam.	Well Casing Type	Elevations Top of Well Casing	Elevations Ground Surface	Reference MSL (√)	Reference Site Datum (√)	Depths Screen Top	Depths Initial Groundwater	Depths Well Depth	Screen Length	Well Type	Well Status	Enf. Stds.	Grad-ient	Distance to Waste
			2010072.45	N																	
DM447	MW-16	013	741084.01	E		8/12/1986	2	P	963.42	961.63	X		20.09	22.0	30.23	10	71/dw	A		S	150
			741663.28	N																	
DM448	MW-17	014	2010307.73	E		8/11/1986	2	P	982.64	981.35	X		40.29	42.0	47.76	10	71/dw	A		D	167
			741667.30	N																	
DM449	MW-17P	015	2010308.75	E		7/14/1987	2	P	982.99	981.64	X		76.85	NA	80.87	5	72/dp	A		D	167
			742146.71	N																	
DM450	MW-18	016	2009729.00	E		8/12/1986	2	P	965.34	963.98	X		22.86	25.0	32.90	10	71/dw	A		S	100
			742145.63	N																	
DM451	MW-18P	017	2009725.74	E		8/13/1986	2	P	965.69	964.21	X		58.48	NA	64.00	5	72/dp	A		S	100
			742113.11	N																	
DM452	MW-19	018	2010223.30	E		7/15/1987	2	P	966.09	965.13	X		20.96	22.5	32.20	10	11/mw	A		S	100
			742116.00	N																	
DM453	MW-19P	019	2010004.39	E		7/15/1986	2	P	966.06	964.72	X		56.54	NA	60.88	5	12/pz	A		S	100
			741448.48	N																	
EI302	MW-20	040	2009048.28	E		2/23/1989	2	P	971.36	969.57	X		31.09	40.5	41.20	NA	11/dw	A	X	U	267
			741627.29	N																	
EI303	MW-21	041	2009035.53	E		2/23/1989	2	P	967.16	964.97	X		25.69	25.5	36.64	NA	11/dw	A	X	U	283
			741640.54	N																	
EI304	MW-22	042	2008885.05	E		2/24/1989	2	P	966.06	964.50	X		28.06	28.41	36.86	NA	11/dw	A	X	U	433
			740863.50	N																	
GN076	MW-25	045	2010034.57	E		9/14/1990	2	P	965.14	961.99	X		27.65	28.0	37.23	10	11/dw	A	X	S	400
			740622.30	N																	
GN077	MW-26	046	2009881.13	E		9/17/1990	2	P	962.87	959.97	X		26.40	26.0	33.80	10	11/dw	A	X	S	633

Location Coordinates Are:
☒ State Plane Coordinate ☐ Local Grid System
☐ Northern
☐ Central
☒ Southern

Grid Origin Location: (Check if estimated: ☐)
Lat. ____ ° ____ ' ____ " Long. ____ ° ____ ' ____ " or
St. Plane ____ ft. N. ____ ft. E. S/C/N Zone

Remarks: Updated State Plane Coordinates, top of casing elevations, ground surface elevations, screen top depths, initial groundwater depth, and well depths

NA- not available, NS- not surveyed

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State of Wisconsin
Department of Natural Resources

GROUNDWATER MONITORING WELL INFORMATION FORM

Chapter 281 and 289, Wis. Stats.
Form 4400-89

Rev. 7-98

Facility Name	Facility ID Number	License, Permit or Monitoring No.	Date	Completed By (Name and Firm)
Adams Cnty Landfill & Recycling Center	701040560	03150	3/4/2016	William Honea, Ayres Associates

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir. N/E	Dir. S/W	Date Established	Well Casing Diam.	Well Casing Type	Elevations Top of Well Casing	Elevations Ground Surface	Reference MSL (√)	Reference Site Datum (√)	Depths Screen Top	Depths Initial Groundwater	Depths Well Depth	Screen Length	Well Type	Well Status	Enf. Stds.	Grad-ient	Distance to Waste
			740557.13	N																	
GN078	MW-27	047	2010325.80	E		9/13/1990	2	P	980.64	977.42	X		38.22	43.5	52.27	10	11/dw	A	X	S	733
			740255.57	N																	
GN079	MW-28	048	2010124.31	E		9/15/1990	2	P	974.04	971.48	X		34.56	37.0	40.45	10	11/dw	A	X	S	400

Location Coordinates Are:
☒ State Plane Coordinate ☐ Local Grid System
☐ Northern
☐ Central
☒ Southern

Grid Origin Location: (Check if estimated: ☐)
Lat. ____ ° ____ ' ____ " Long. ____ ° ____ ' ____ " or
St. Plane ____ ft. N. ____ ft. E. S/C/N Zone

Remarks: Updated ground surface elevations, screen top depths, initial ground water depths, and well depths

Completion of this form is mandatory under s. NR 507.14 and NR 110.25 Wis. Adm. Code. Failure to file this form may result in forfeiture of not less than $10 nor more than $5,000 for each day of violation. Personally identifiable information provided is intended to be used by the Department for the purposes related to the waste management program.

State of Wisconsin
Department of Natural Resources

GROUNDWATER MONITORING WELL INFORMATION FORM

Chapter 281 and 289, Wis. Stats.
Form 4400-89
Rev. 7-98

Facility Name	Facility ID Number	License, Permit or Monitoring No.	Date	Completed By (Name and Firm)
Adams Cnty Landfill & Recycling Center	701040560	03150	3/4/2016	William Honea, Ayres Associates

WI Unique Well No	Well Name	DNR Well ID Number	Well Location	Dir. N/E	Dir. S/W	Date Established	Well Casing Diam.	Well Casing Type	Elevations Top of Well Casing	Elevations Ground Surface	Reference MSL (√)	Reference Site Datum (√)	Depths Screen Top	Depths Initial Groundwater	Depths Well Depth	Screen Length	Well Type	Well Status	Enf. Stds.	Grad-ient	Distance to Waste
			742169.15	N																	
VP147	MW-29	049	2010739.56	E		11/20/2015	2	P	963.47	961.73	X		18.27	24.26	33.27	15	11/mw	A	X	U-S	236
			741638.77	N																	
VP144	MW-30	050	2010658.58	E		11/17/2015	2	P	979.49	977.84	X		32.42	38.55	47.42	15	71/dw	A		U	118
			741645.61	N																	
VP145	MW-30P	051	2010659.79	E		11/18/2015	2	P	979.69	977.94	X		70.30	45.46	75.30	5	72/dp	A		U	119
			741100.75	N																	
VP146	MW-31	052	2010709.46	E		11/19/2015	2	P	969.70	967.90	X		24.89	30.90	39.89	15	11/mw	A	X	D-S	235

Location Coordinates Are:
☒ State Plane Coordinate ☐ Local Grid System
☐ Northern
☐ Central
☒ Southern

Grid Origin Location: (Check if estimated: ☐)
Lat. ____ ° ____ ' ____ " Long. ____ ° ____ ' ____ " or
St. Plane ____ ft. N. ____ ft. E. S/C/N Zone

Remarks:

Completion of this form is mandatory under s. NR 507.14 and NR 110.25 Wis. Adm. Code. Failure to file this form may result in forfeiture of not less than $10 nor more than $5,000 for each day of violation. Personally identifiable information provided is intended to be used by the Department for the purposes related to the waste management program.