

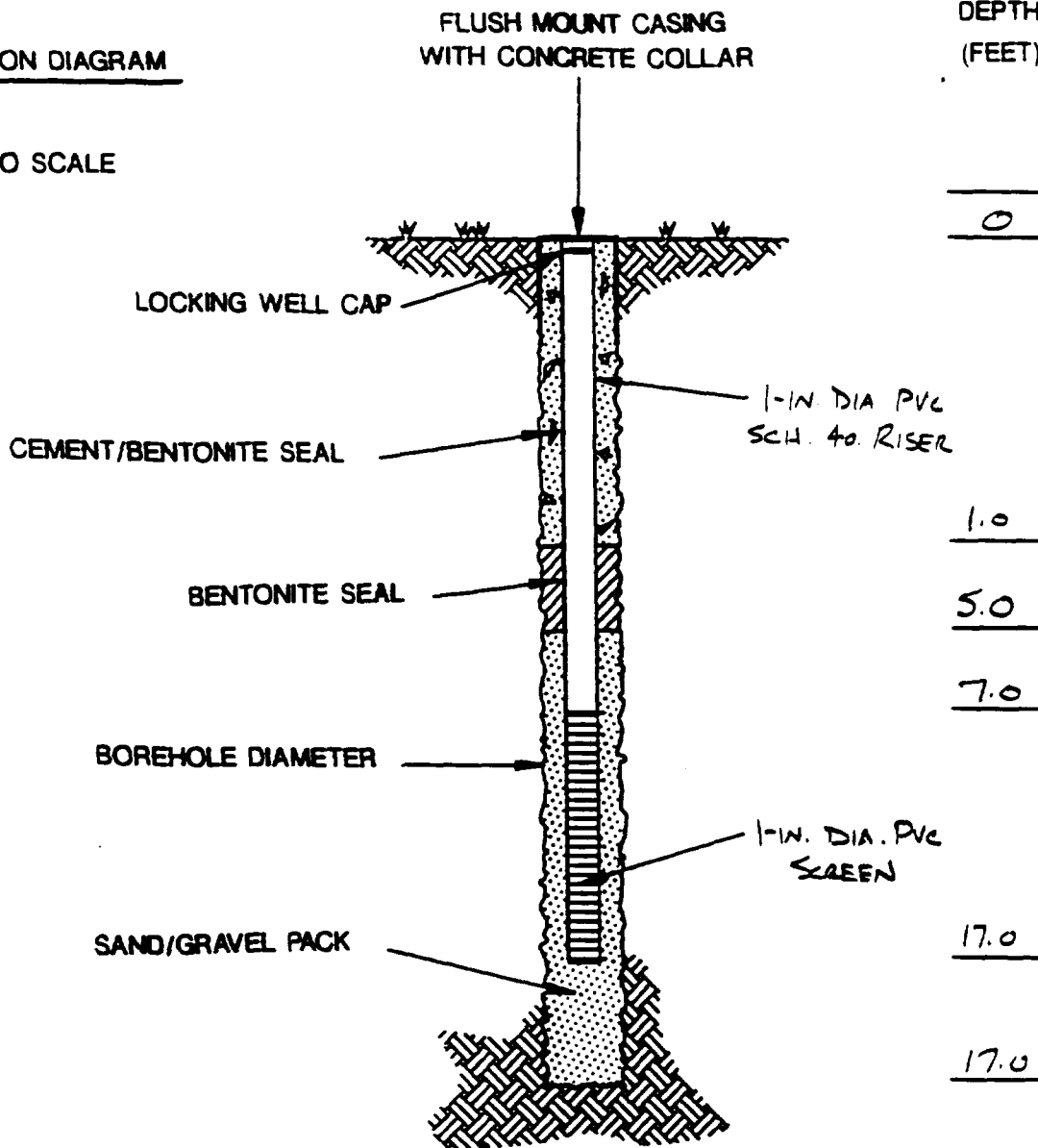
**MONITORING WELL CONSTRUCTION DIAGRAMS
PHASE I AND PHASE II REMEDIAL INVESTIGATION**

**ROCKWELL INTERNATIONAL SITE
ALLEGAN, MICHIGAN**

WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



PIEZOMETER NO. P-20

PROJECT NAME Rockwell - Allegan

PROJECT NO. 92192

LOCATION Background

GEOLOGIST NG

DRILLING CONTRACTOR WISCONSIN TEST DRILLING

DRILLER MIKE NELSEN

DRILLING METHOD 4 1/8-IN. I.D. Hollow STEEL AUGER

DRILLING DATE 11/12/92

GROUND ELEVATION 624.90

TOP ELEVATION 624.21

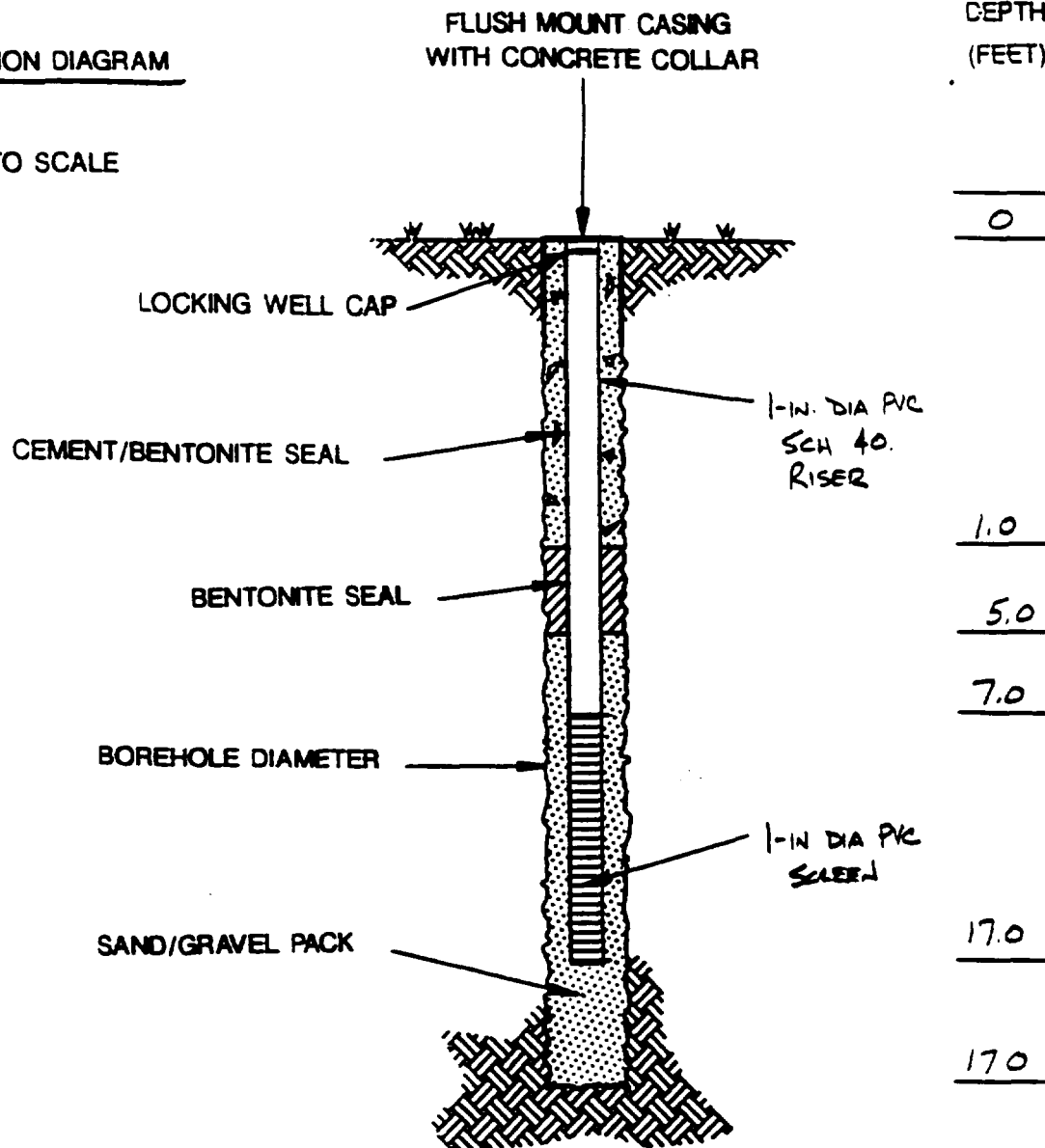
STATIC WATER DEPTH 4.01 (4/22/93)

WATER ELEVATION 620.20

WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



PIEZOMETER NO. P-21

PROJECT NAME Rockwell-Allegan

PROJECT NO. 92192

LOCATION Background

GEOLOGIST KPP

DRILLING CONTRACTOR WISCONSIN TEST DRILLING

DRILLER JOHN WEAKS

DRILLING METHOD 4 1/4-IN. I.D. Hollow Stem Auger

DRILLING DATE 11/15/93

GROUND ELEVATION 632.0

TOP ELEVATION 631.57

STATIC WATER DEPTH 5.13 (2/15/93)

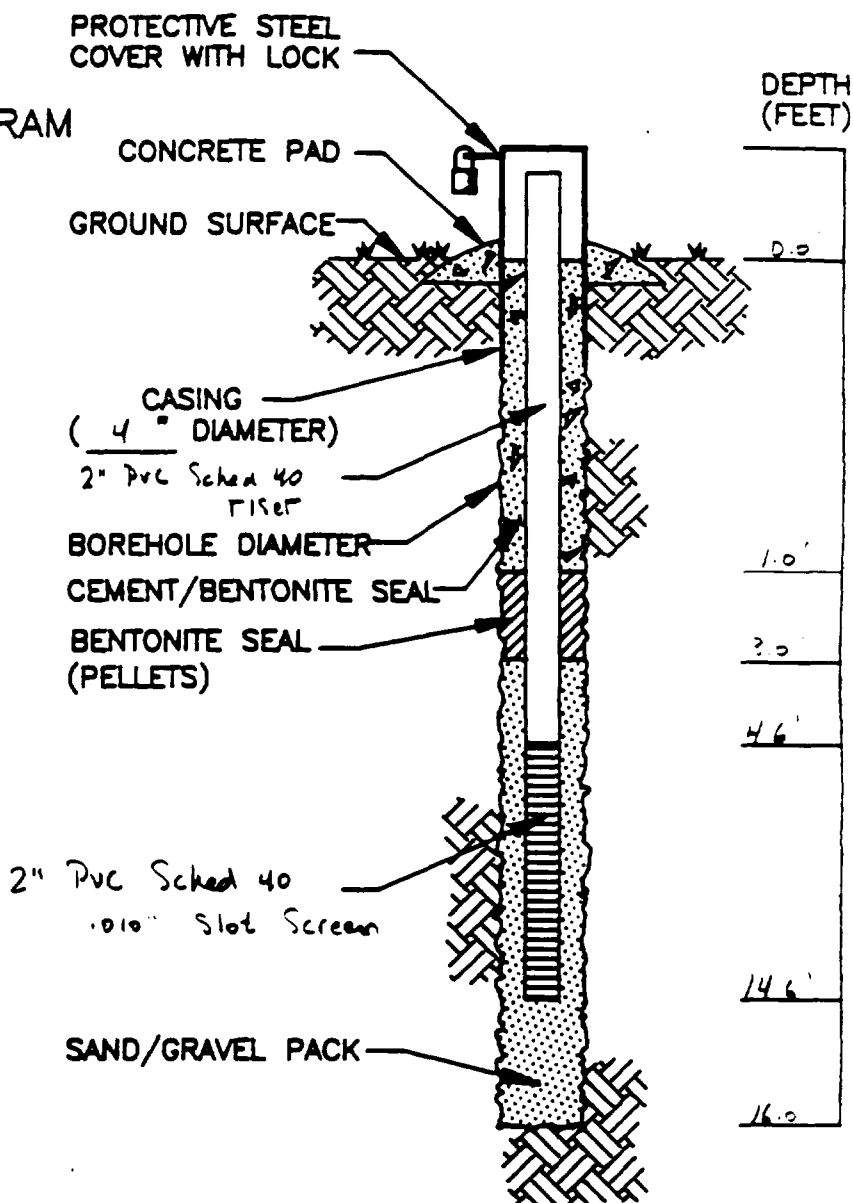
WATER ELEVATION 626.44



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



MONITORING WELL NO. MW-1

PROJECT NAME Rockwell Allegan

PROJECT NO. 89269

LOCATION Between River and Ponds

GEOLOGIST D. MARTINEZ

DRILLING CONTRACTOR Wilmarie Test Drilling

DRILLER T. Symonds

DRILLING METHOD Hollow Stem Casing Split Spore Samples

DRILLING DATE 2/7 - 2/8/90

GROUND ELEVATION 621.74

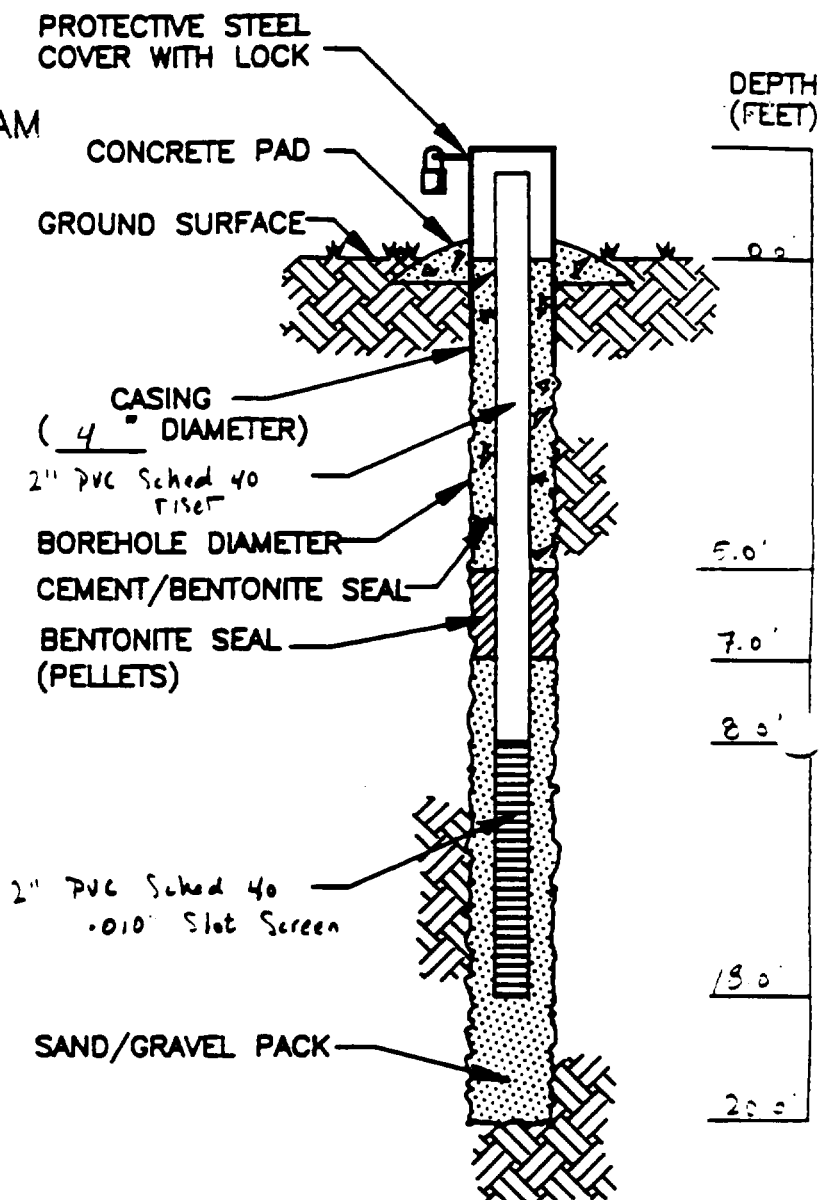
TOP ELEVATION 624.36 Top (inside) - 624.26

STATIC WATER DEPTH 6.5'

WATER ELEVATION 615.24

WELL CONSTRUCTION DIAGRAM
DRAWING NOT TO SCALE

NOTES:



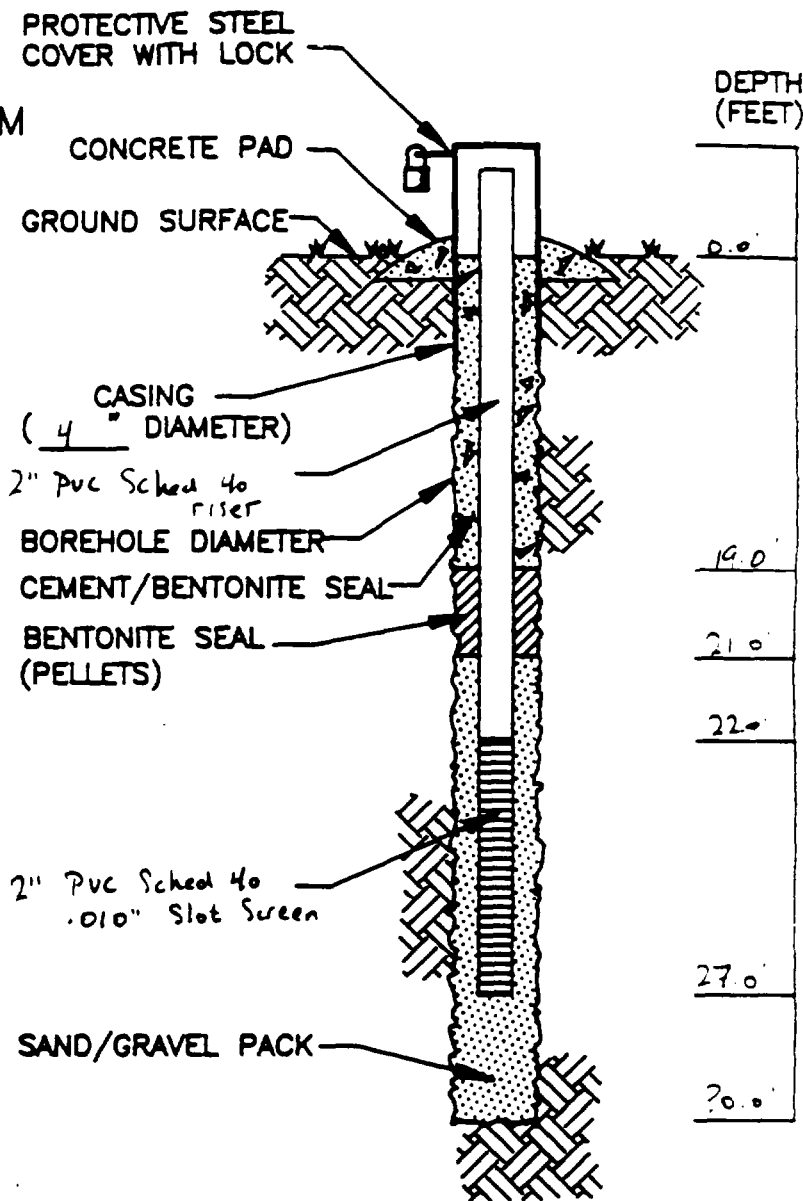
MONITORING WELL NO. MW-2(a)
PROJECT NAME Rockwell Pilegar
PROJECT NO. 84269
LOCATION North of Waste Water Treatment Bldg.
GEOLOGIST D. Martineck
DRILLING CONTRACTOR Wisconsin Test Drilling
DRILLER T. Symanski
DRILLING METHOD Hollow Stem Auger Split Spoon Sample
DRILLING DATE 2/21/92
GROUND ELEVATION 628.89
TOP ELEVATION 632.03 Top (inside) 632.02
STATIC WATER DEPTH 9.6'
WATER ELEVATION 619.29



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



MONITORING WELL NO. MW-2(ba)
PROJECT NAME Rockwell Allegan
PROJECT NO. 89269
LOCATION North of WWTP
GEOLOGIST D. MARTINEK
DRILLING CONTRACTOR Wisconsin Test Drilling
DRILLER T. Symonds
DRILLING METHOD Hollow Stem Auger Solid Spans
DRILLING DATE 2/23/90
GROUND ELEVATION 628.35
TOP ELEVATION 631.46 Top (ir. da) 630.39
STATIC WATER DEPTH _____
WATER ELEVATION _____



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES: 8" SURFACE CASING
(STEEL) SET 0-57'

PROTECTIVE STEEL
COVER WITH LOCK

CONCRETE PAD

GROUND SURFACE

CASING
(10" DIAMETER)

2" PVC SCH. 80
CASING

BOREHOLE DIAMETER

CEMENT/BENTONITE SEAL

BENTONITE SEAL
(PELLETS)

.010 SLOT
SCREEN

SAND/GRAVEL PACK

DEPTH
(FEET)

90.4

93

98.1

98.3

MONITORING WELL NO. MW-3

PROJECT NAME ROCKWELL REIFS

PROJECT NO. 89269

LOCATION NORTH OF WWTP.

GEOLOGIST J. SUMROK

DRILLING CONTRACTOR WISCONSIN TEST DRILLING

DRILLER LARRY ERDMAN

DRILLING METHOD WATER ROTARY

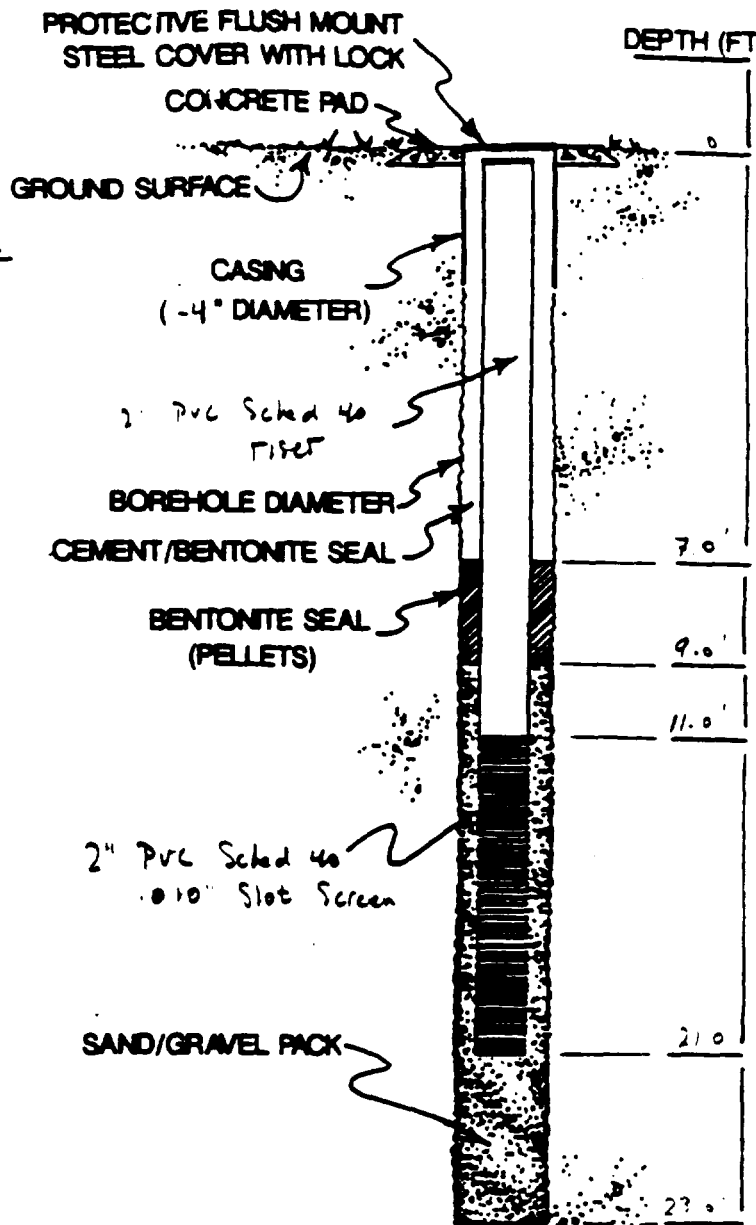
DRILLING DATE 3-10-90

GROUND ELEVATION 627.41

TOP ELEVATION 630.39

STATIC WATER DEPTH 13.83

WATER ELEVATION 616.56



FLUSH MOUNT WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

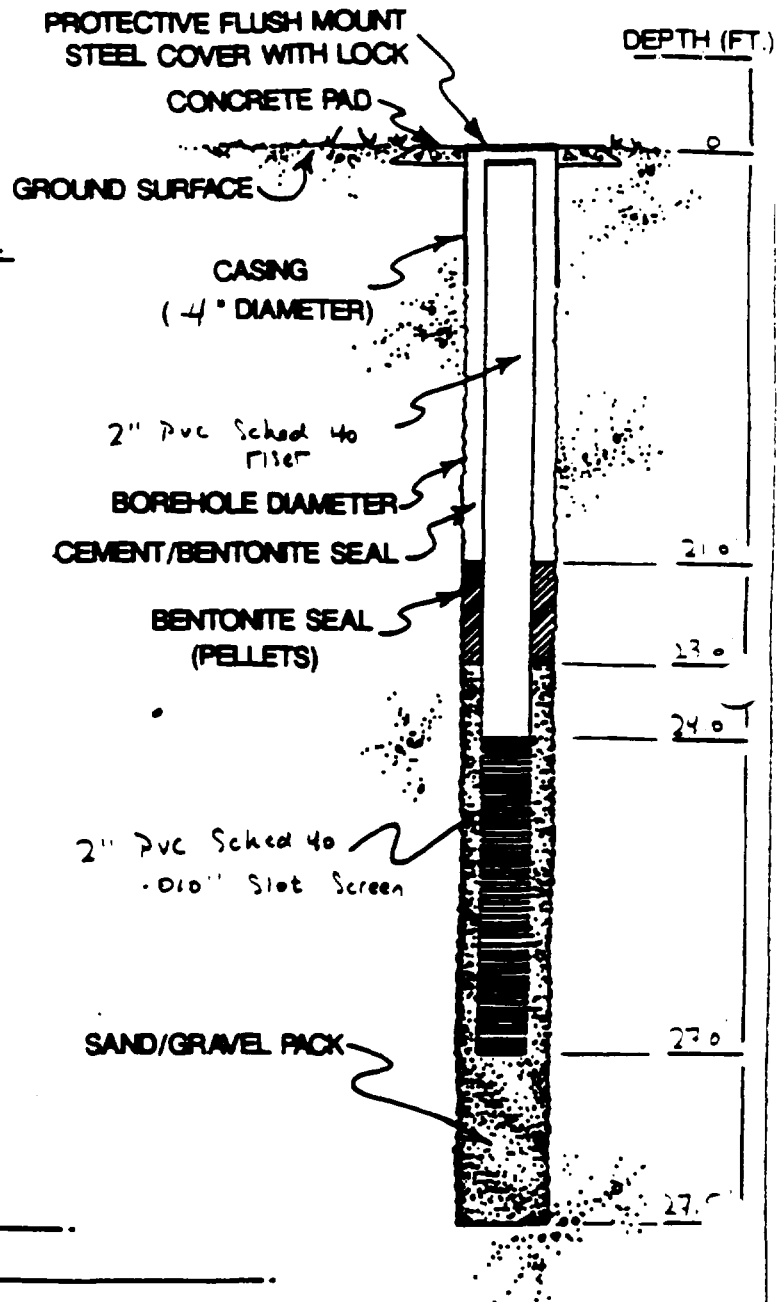
MONITORING WELL NO. MW-4(a)
PROJECT NAME Rockwell Allegan
PROJECT NO. 89269
LOCATION North parking area, NW Corner
GEOLOGIST D. MARTINEK
DRILLING CONTRACTOR Wisconsin Test Drilling
DRILLER T. Symonds
DRILLING METHOD Hollow Stem Auger, Split Spoon Samples
DRILLING DATE 2/13/91
GROUND ELEVATION 631.27
TOP ELEVATION 630.71 (Toc)
STATIC WATER DEPTH 16.2'
WATER ELEVATION 614.51
DATE _____

REMCOR

FLUSH MOUNT WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



MONITORING WELL NO. HW-4(b)

PROJECT NAME Routemaster Allegan

PROJECT NO. 89269

LOCATION North Parking Area N.W. Corner

GEOLOGIST D. MARTINEK

DRILLING CONTRACTOR Wisconsin Test Drilling

DRILLER T. Summers

DRILLING METHOD 1 1/2 inch Stem Auger

DRILLING DATE 2/12 - 2/13/90

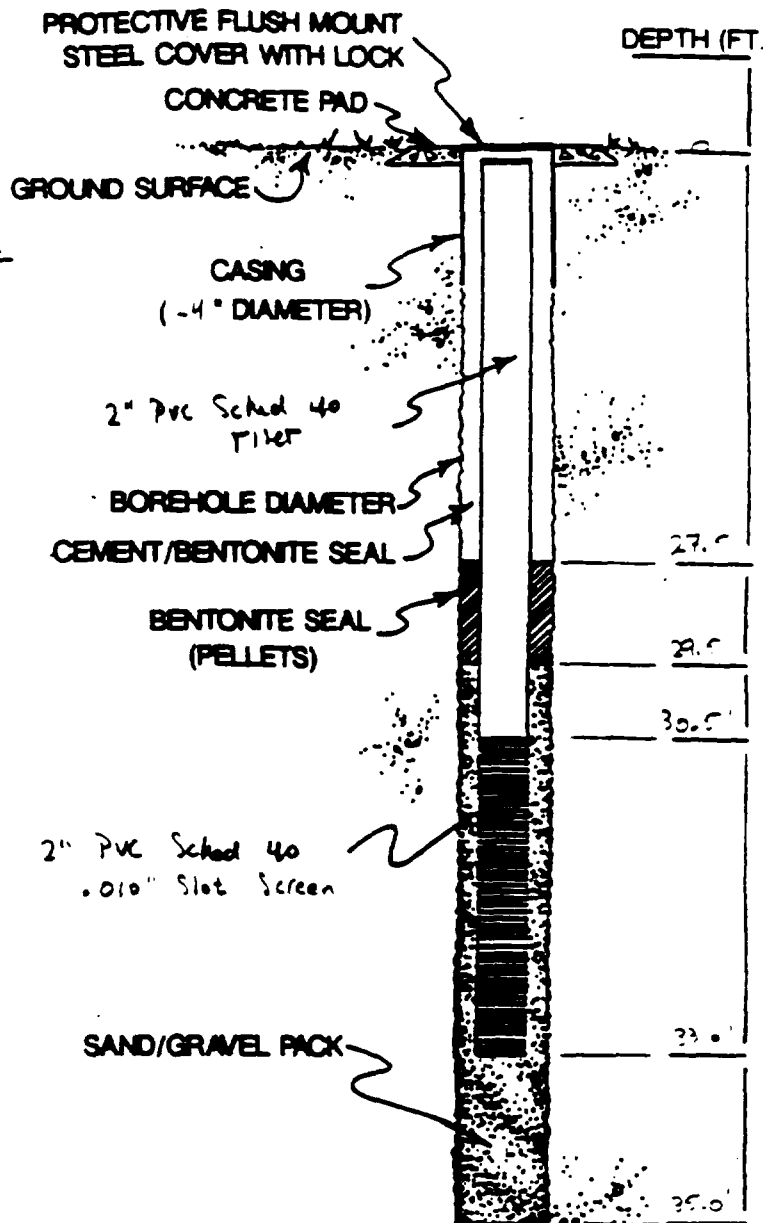
GROUND ELEVATION 631.27

TOP ELEVATION 630.73 (Top)

STATIC WATER DEPTH 16.5'

WATER ELEVATION 614.23

DATE _____



FLUSH MOUNT WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

MONITORING WELL NO. MW-4(c)

PROJECT NAME Routwell Allegan

PROJECT NO. 89269

LOCATION North Ticking lot, N.W. Corner

GEOLOGIST D. MARTINEK

DRILLING CONTRACTOR Wisconsin Test Drilling

DRILLER T. Symonds

DRILLING METHOD 1 1/2" Hollow Stem Auger

DRILLING DATE 2/12/90

GROUND ELEVATION 631.45

TOP ELEVATION 630.67 (Tic)

STATIC WATER DEPTH 15.5'

WATER ELEVATION 615.47

DATE _____



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

PROTECTIVE STEEL
COVER WITH LOCK

CONCRETE PAD

GROUND SURFACE

CASING
(4" DIAMETER)

2" PVC Sched 40
Riser

BOREHOLE DIAMETER

CEMENT/BENTONITE SEAL

BENTONITE SEAL
(PELLETS)

2" PVC Sched 40
.010" Slot Screen

SAND/GRAVEL PACK

DEPTH
(FEET)

0.0

9.0'

11.0'

12.5'

19.5'

20.0

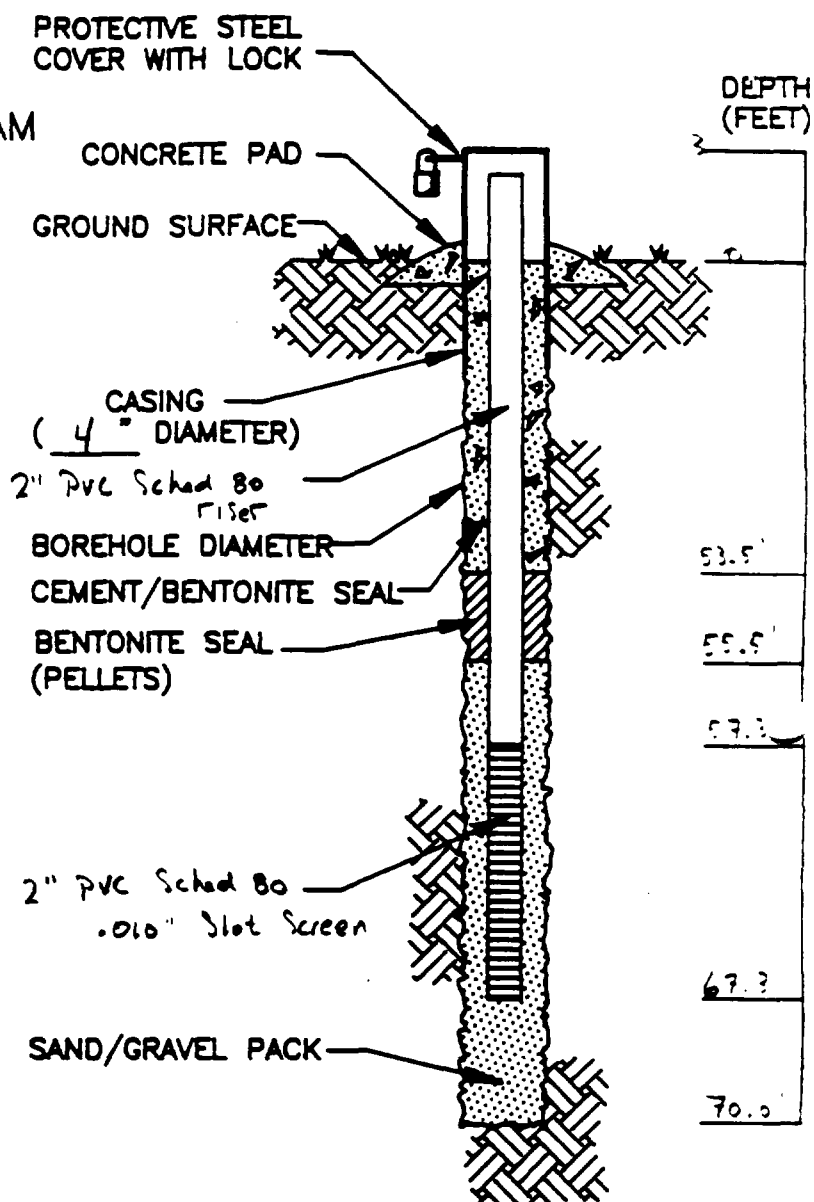
MONITORING WELL NO. MW-5(a)
PROJECT NAME Rockwood Allegan
PROJECT NO. 89269
LOCATION North Parking Area - adjacent to Water Tower
GEOLOGIST D. MARTINEZ
DRILLING CONTRACTOR Wisconsin Test Drilling
DRILLER T. Summers
DRILLING METHOD Hollow Stem Auger
DRILLING DATE 2/6/92
GROUND ELEVATION 632.08
TOP ELEVATION 635.03 Top of hole 634.93
STATIC WATER DEPTH 14.0'
WATER ELEVATION 618.08



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



MONITORING WELL NO. MW-5(c)

PROJECT NAME Rockwell Allegan

PROJECT NO. 89269

LOCATION North Parking Area adjacent to Water Tower

GEOLOGIST D. MARTINEZ

DRILLING CONTRACTOR Wisconsin Test Drilling

DRILLER T. Summers

DRILLING METHOD Hollow Stem Auger Split Spore Samples

DRILLING DATE 2/26 - 2/28/90

GROUND ELEVATION 632.06

TOP ELEVATION 634.74 Top (inside) 634.72

STATIC WATER DEPTH 14.0'

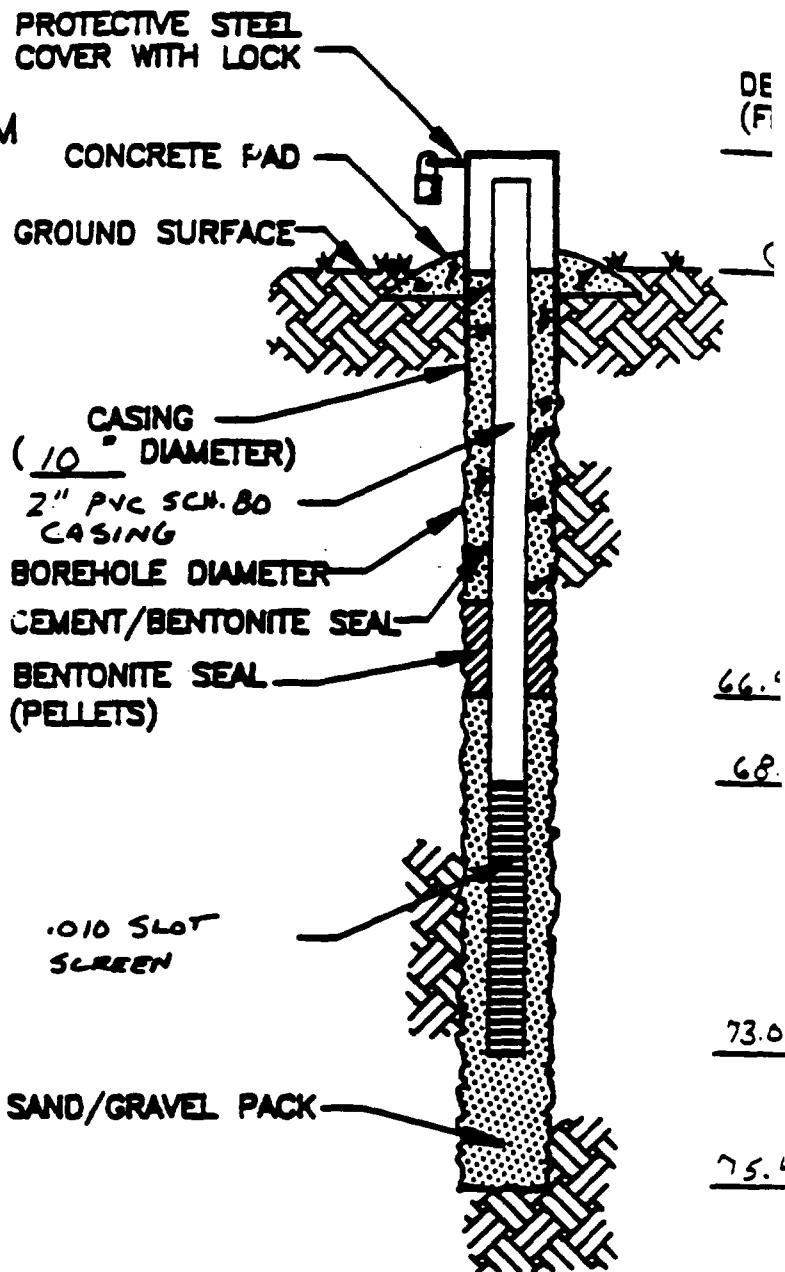
WATER ELEVATION 618.06



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES: 8" STEEL SURFACE
CASING SET 0-30'.
6" TEMPORARY STEEL CASING
LOST IN BOREHOLE. GROUTED
IN PLACE. EXTENDS 9'-49'.



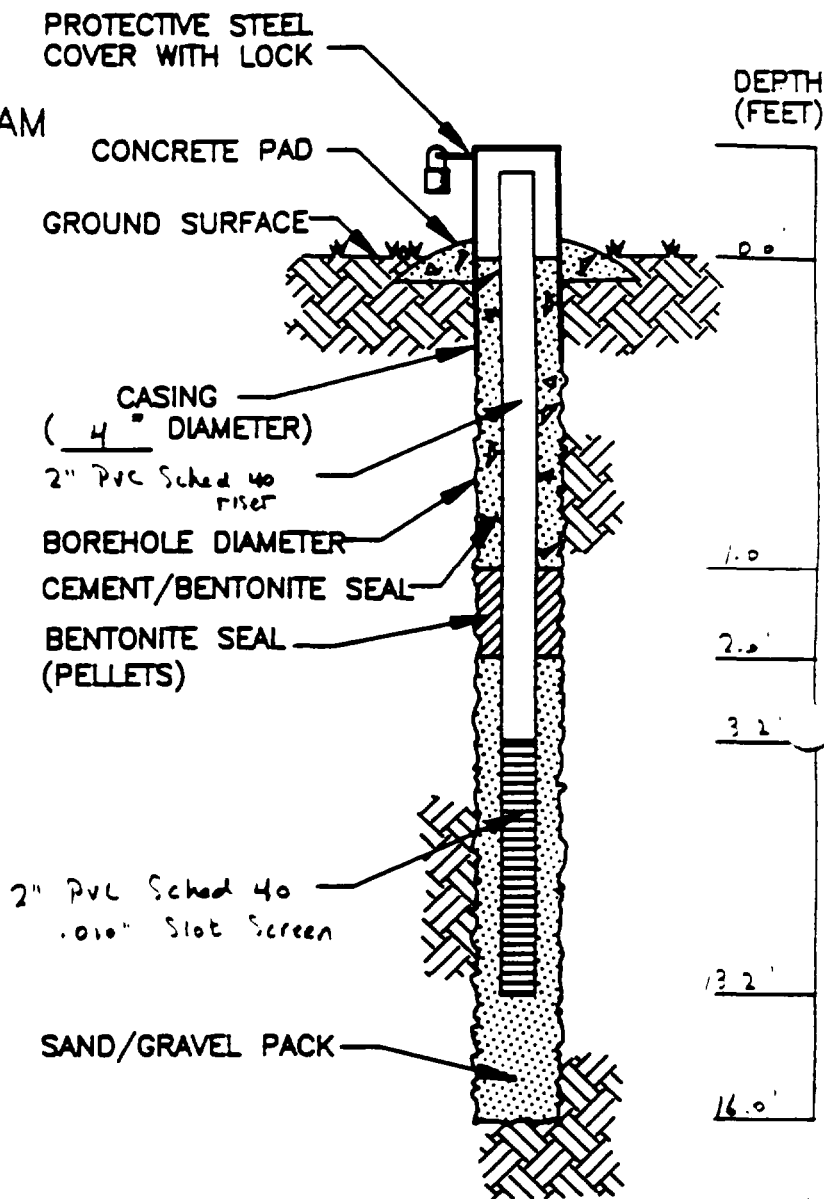
MONITORING WELL NO. MW-6
PROJECT NAME ROCKWELL RE/F6
PROJECT NO. 89269
LOCATION PARKING LOT, N.E. CORNER
GEOLOGIST J. SUMROK
DRILLING CONTRACTOR WISCONSIN TEST DRILLING
DRILLER L. ERDMAN
DRILLING METHOD WATER ROTARY
DRILLING DATE 3-11-90
GROUND ELEVATION 621.49
TOP ELEVATION 624.42
STATIC WATER DEPTH 6.87
WATER ELEVATION 617.55



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



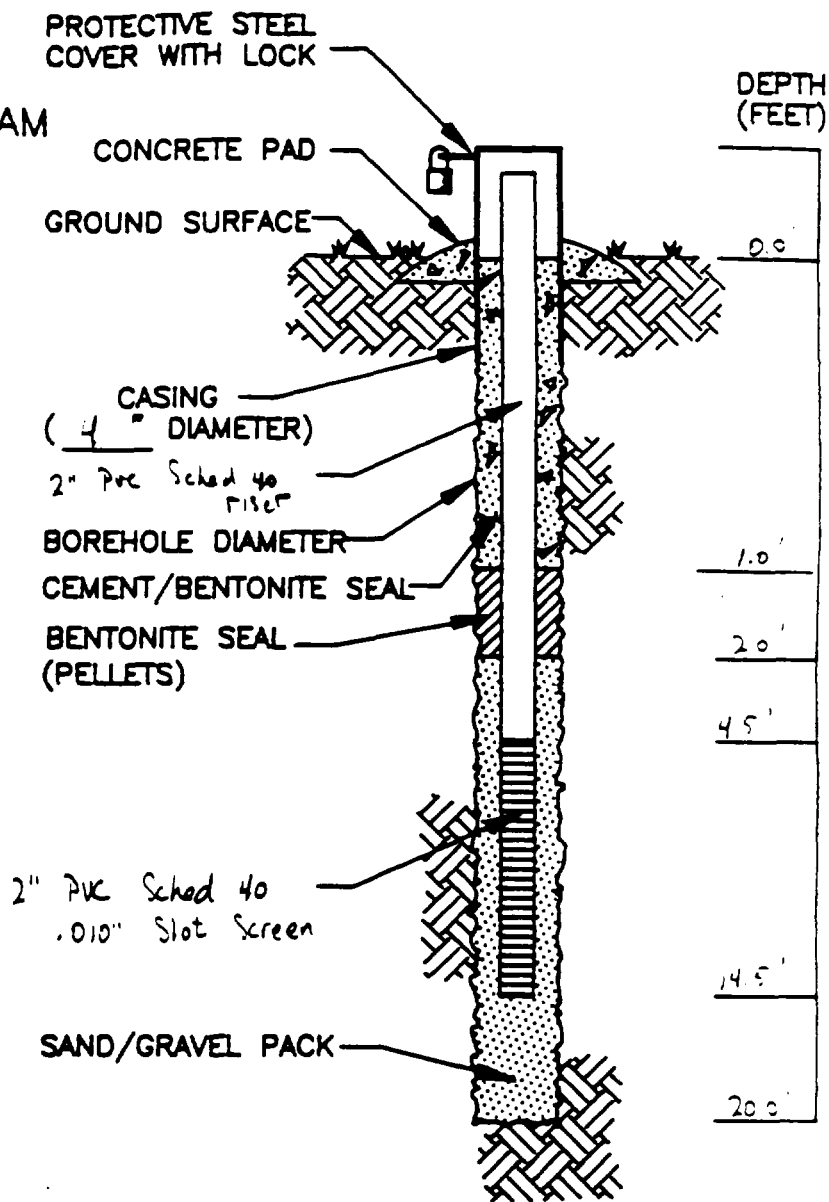
MONITORING WELL NO. MW-7
PROJECT NAME Rockwell Allegan
PROJECT NO. 89269
LOCATION PARKING Lot - Allegan POTW N.E. Corner
GEOLOGIST D. MARTINEZ
DRILLING CONTRACTOR Wisconsin Test Drilling
DRILLER T. Symonds
DRILLING METHOD 1 1/2 inch Stem Auger Split Spore Samples
DRILLING DATE 2/10/90
GROUND ELEVATION 621.67
TOP ELEVATION 624.69 TOC (inside) 624.62
STATIC WATER DEPTH 4.0'
WATER ELEVATION 617.67



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



MONITORING WELL NO. MW-8

PROJECT NAME Rockwell Allegan

PROJECT NO. EG269

LOCATION S.W. Corner Perkins lot - Allegan (DOTW)

GEOLOGIST D. MARTINEK

DRILLING CONTRACTOR Wisconsin Tent Drilling

DRILLER T. Symonds

DRILLING METHOD Hollow Stem Riser Split Spoon Samplers

DRILLING DATE 2/9/92

GROUND ELEVATION 620.34

TOP ELEVATION 623.21 Top (in) 622.99

STATIC WATER DEPTH 6.0'

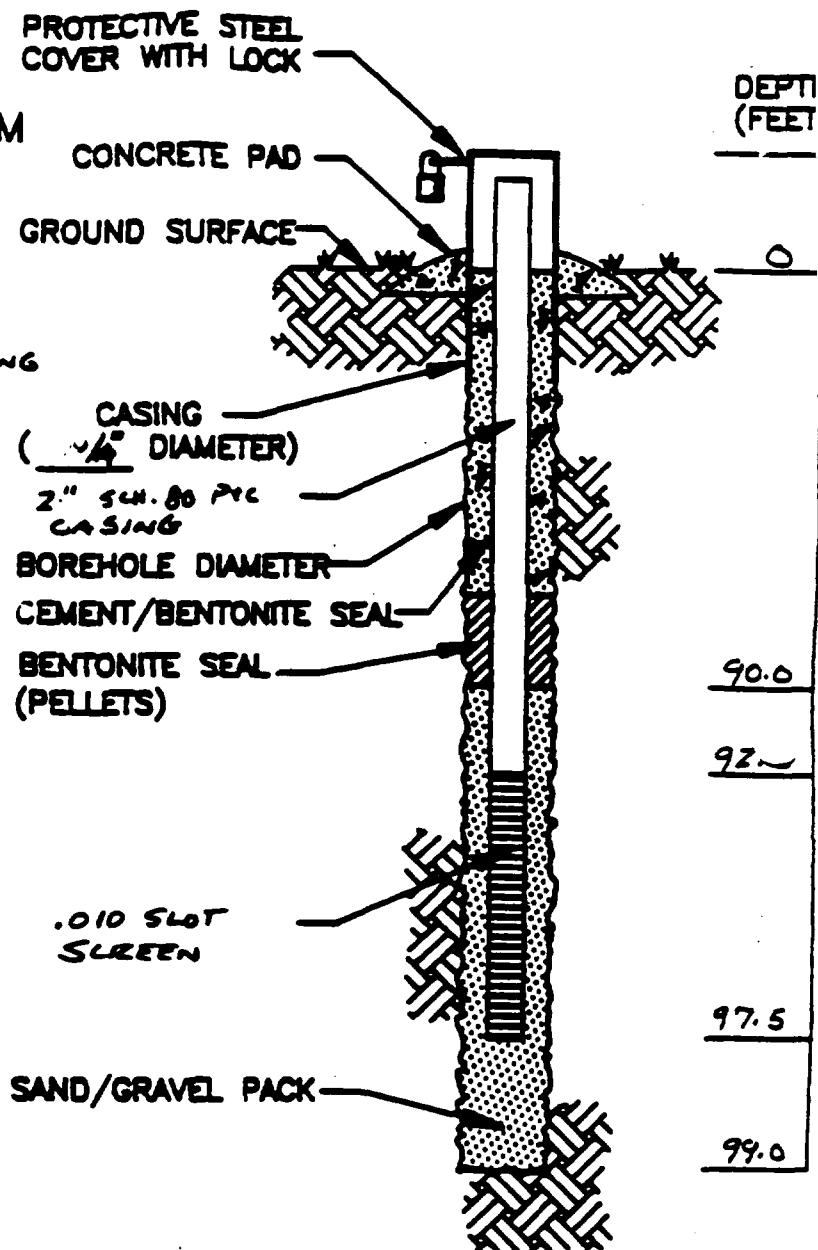
WATER ELEVATION 614.34



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES: 8" STEEL SURFACE CASING
SET 0-49' COMPLETED WITH
FLUSH MOUNTED PROTECTIVE CASING



MONITORING WELL NO. MW-9

PROJECT NAME ROCKWELL RIFES

PROJECT NO. 89269

LOCATION SOUTH OF DRNE LINE ASSEMBLY BUILDING

GEOLOGIST J. SUMMERS

DRILLING CONTRACTOR WISCONSIN TEST DRILLING

DRILLER L. EDDMAN

DRILLING METHOD WATER ROTARY

DRILLING DATE 2-15-90

GROUND ELEVATION 628.03

TOP ELEVATION 627.53

STATIC WATER DEPTH 9.92

WATER ELEVATION 617.61



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES: *FLUSH-MOUNTED
PROTECTIVE CASING*

PROTECTIVE STEEL
COVER WITH LOCK

CONCRETE PAD

GROUND SURFACE

CASING
($1\frac{1}{4}$ " DIAMETER)

BOREHOLE DIAMETER

CEMENT/BENTONITE SEAL

BENTONITE SEAL
(PELLETS)

.010 SLOT
SCREEN

SAND/GRAVEL PACK

DEPT
(FEET)

2

3

11

12

MONITORING WELL NO. MW-10

PROJECT NAME Rockwell RT/FZ

PROJECT NO. B9269

LOCATION SOUTH OF DRIVE LINE ASSEMBLY BUILDING

GEOLOGIST JTS

DRILLING CONTRACTOR WISCONSIN TEST DRILLING

DRILLER L. ERDMAN

DRILLING METHOD HOLLOW-STEM AUGER

DRILLING DATE 2-6-90

GROUND ELEVATION 629.46

TOP ELEVATION 628.98

STATIC WATER DEPTH 6.17'

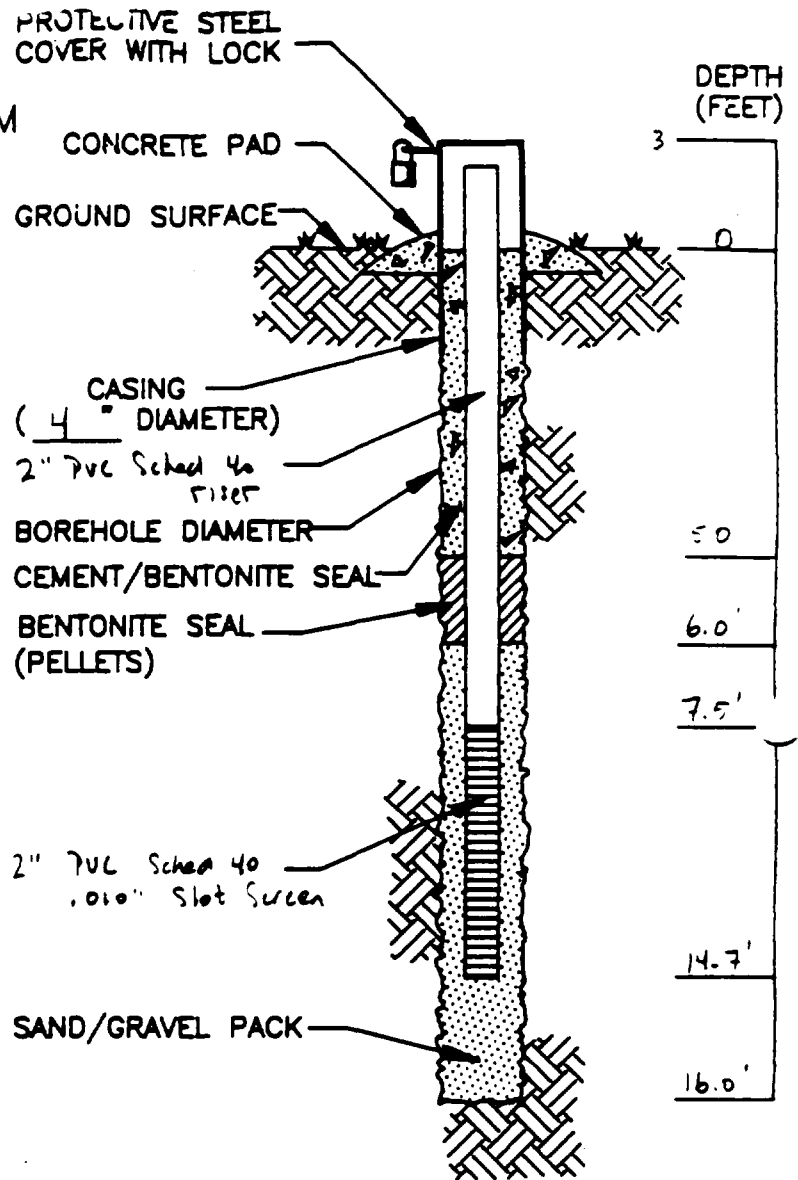
WATER ELEVATION 622.81



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



MONITORING WELL NO. MW-11
PROJECT NAME Rockwell Allegan
PROJECT NO. 89269
LOCATION Grassy field - Northeast of property
GEOLOGIST D. MARTINUS
DRILLING CONTRACTOR Wisconsin Test Drilling
DRILLER Terry Symonds
DRILLING METHOD Hollow Stem Auger
DRILLING DATE 2/6/90
GROUND ELEVATION 628.76
TOP ELEVATION 630.92 TOP 630.82
STATIC WATER DEPTH 3.7'
WATER ELEVATION 625.06



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

PROTECTIVE STEEL
COVER WITH LOCK

CONCRETE PAD

GROUND SURFACE

DEPTH
(FEET)

CASING
(4" DIAMETER)

1" PVC Sched 40
RIB

BOREHOLE DIAMETER

CEMENT/BENTONITE SEAL

BENTONITE SEAL
(PELLETS)

1" PVC Sched 40
.010" Slot Screen

SAND/GRAVEL PACK

0.0
2.0
3.0
4.0
4.0
27.5

MONITORING WELL NO. P-12
PROJECT NAME Rockwell Allegan
PROJECT NO. 89269
LOCATION Parking lot, Allegan POTW West Side
GEOLOGIST D. MARTINESE
DRILLING CONTRACTOR Wisconsin Test Drilling
DRILLER T. Symonds
DRILLING METHOD Follow Stem Pipe
DRILLING DATE 2/10/90
GROUND ELEVATION 620.55
TOP ELEVATION 623.21 To (inside) 623.11
STATIC WATER DEPTH 6.9'
WATER ELEVATION 614.55



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

PROTECTIVE STEEL
COVER WITH LOCK

CONCRETE PAD

GROUND SURFACE

CASING
(4 " DIAMETER)
1" PVC Sched 40
riser

BOREHOLE DIAMETER

CEMENT/BENTONITE SEAL

BENTONITE SEAL
(PELLETS)

1" PVC Sched 40
.010" Slot Screen

SAND/GRAVEL PACK

DEPTH
(FEET)

0
10.0'
12.0'
13.0'
23.0'
34.0'

MONITORING WELL NO. P-13
PROJECT NAME Routewell Allegan
PROJECT NO. B9269
LOCATION N.W. Corner Main Bldg
GEOLOGIST D. Martineck
DRILLING CONTRACTOR Wisconsin Test Drilling
DRILLER T. Serrano
DRILLING METHOD Hollow Stem Auger Soil Spore Samples
DRILLING DATE 2/3/91
GROUND ELEVATION 631.39
TOP ELEVATION 634.47 Toe (inside) 634.37
STATIC WATER DEPTH 16.0'
WATER ELEVATION 615.39

REMCOR

PROTECTIVE FLUSH MOUNT
STEEL COVER WITH LOCK
CONCRETE PAD

DEPTH (FT)

FLUSH MOUNT WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

GROUND SURFACE

CASING
(4" DIAMETER)

1" PVC Sched 40
PIPER

BOREHOLE DIAMETER
CEMENT/BENTONITE SEAL

BENTONITE SEAL
(PELLETS)

1" PVC Sched 40
.010" Slot Screen

SAND/GRAVEL PACK

MONITORING WELL NO. P-14

PROJECT NAME Rockwell Allegan

PROJECT NO. 89269

LOCATION North Parking Area

GEOLOGIST D. MARTINEK

DRILLING CONTRACTOR Wisconsin Test Drilling

DRILLER T. Szymanski

DRILLING METHOD 1-2 1/2" Stem Auger

DRILLING DATE 2/11/90

GROUND ELEVATION 631.69

TOP ELEVATION 631.15 (Tol)

STATIC WATER DEPTH 14.7'

WATER ELEVATION 616.45

DATE _____

2.0'

7.5'

10.0'

12.0'

22.0'

53.0'



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

PROTECTIVE STEEL
COVER WITH LOCK

CONCRETE PAD

GROUND SURFACE

DEPTH
(FEET)

CASING
(4" DIAMETER)

1" PVC Sched 40
Riser

BOREHOLE DIAMETER

CEMENT/BENTONITE SEAL

BENTONITE SEAL
(PELLETS)

1" PVC Sched 40
.010" Slot Screen

SAND/GRAVEL PACK

0.0

1.0

2.0

15.0

24.0

MONITORING WELL NO. P-15
PROJECT NAME Routemore Allegan
PROJECT NO. 89269
LOCATION Grassy Area Between Main Bldg - Active Bldg
GEOLOGIST D. MARTINEK
DRILLING CONTRACTOR Wisconsin Test Drilling
DRILLER T. Symmonds
DRILLING METHOD 1 1/2" Hollow Stem Auger Split Spoon Samples
DRILLING DATE 2/7/90
GROUND ELEVATION 631.67
TOP ELEVATION 634.51 T.O.P. 634.39
STATIC WATER DEPTH 8.0'
WATER ELEVATION 623.67



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

PROTECTIVE STEEL
COVER WITH LOCK

CONCRETE PAD

GROUND SURFACE

CASING
(4" DIAMETER)

1" PVC Sched 40
Filter

BOREHOLE DIAMETER

CEMENT/BENTONITE SEAL

BENTONITE SEAL
(PELLETS)

1" PVC Sched 40
.010" Slot Screen

SAND/GRAVEL PACK

DEPTH
(FEET)

0

1.0'

1.7'

2.5'

12.5'

20.0'

MONITORING WELL NO. P-16

PROJECT NAME Restwell Allegan

PROJECT NO. 89269

LOCATION Northeast grassy field

GEOLOGIST D. MARTINEZ

DRILLING CONTRACTOR Wisconsin Test Drilling

DRILLER T. Symonds

DRILLING METHOD Hollow Stem Auger Split Spore Samples

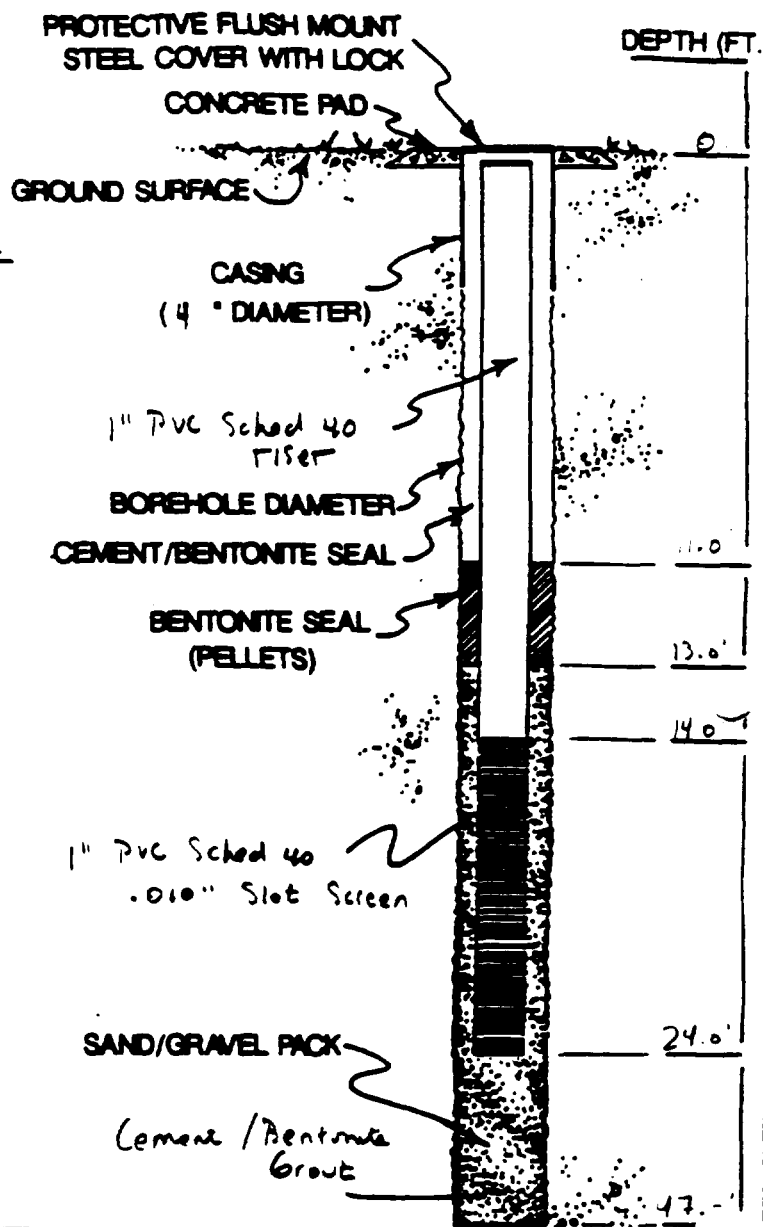
DRILLING DATE 2/6 - 2/7/90

GROUND ELEVATION 627.14

TOP ELEVATION 630.03 TOP 629.81

STATIC WATER DEPTH 3.5'

WATER ELEVATION 623.64



FLUSH MOUNT WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

Boring grouted to
screen bottom with
Cement / Bentonite Mix

MONITORING WELL NO. P-17

PROJECT NAME Rockwell Allegan

PROJECT NO. 89269

LOCATION North parking area, west of WWTP

GEOLOGIST D. MARTINEK

DRILLING CONTRACTOR Wisconsin Test Drilling

DRILLER T. Summers

DRILLING METHOD Hollow Stem Auger Split Spoon

DRILLING DATE 2/25/90 - 2/26/90

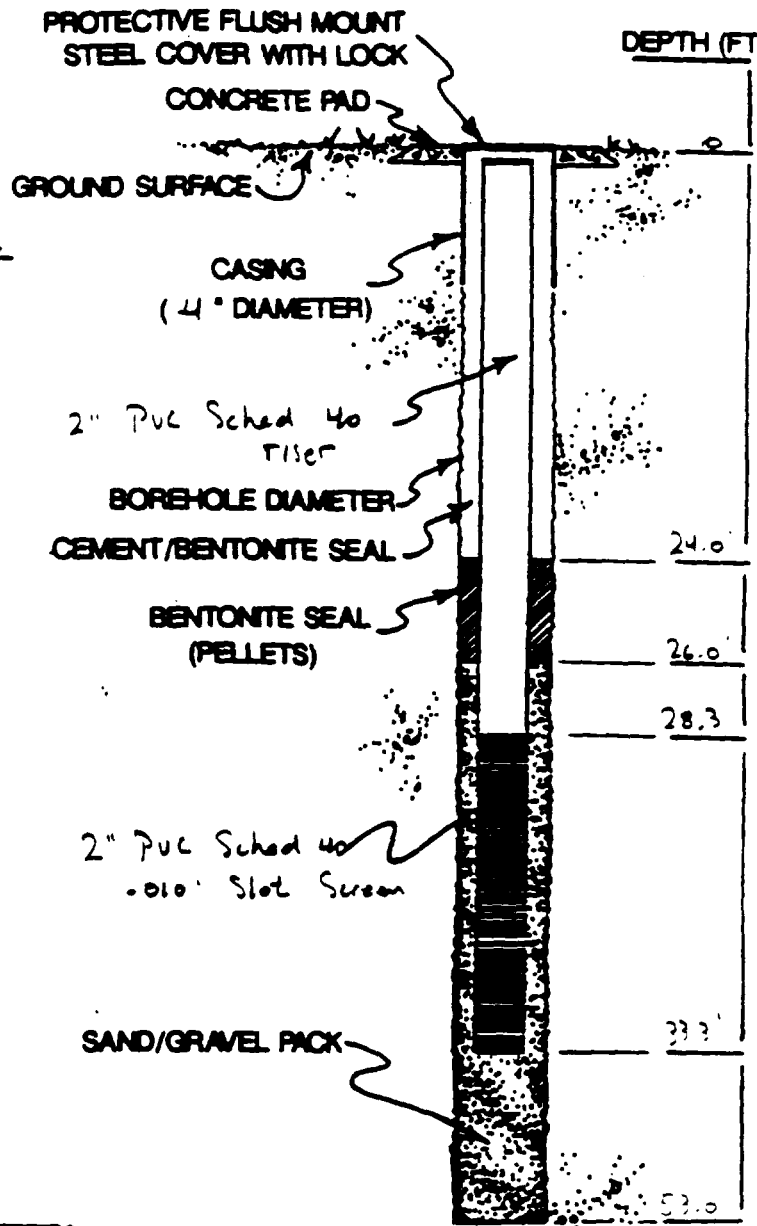
GROUND ELEVATION 631.07

TOP ELEVATION 630.59

STATIC WATER DEPTH 19.0'

WATER ELEVATION 611.59

DATE _____



FLUSH MOUNT WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

MONITORING WELL NO. MW-18

PROJECT NAME Rockwell Allegan

PROJECT NO. 89269

LOCATION North Parking Area next to WWTP

GEOLOGIST D. MARTINESE

DRILLING CONTRACTOR Wilkinson Test Drilling

DRILLER T. Symonds

DRILLING METHOD Follow Stem A-Case

DRILLING DATE 3/7-3/8/92

GROUND ELEVATION 622.23

TOP ELEVATION 629.70

STATIC WATER DEPTH 11.0'

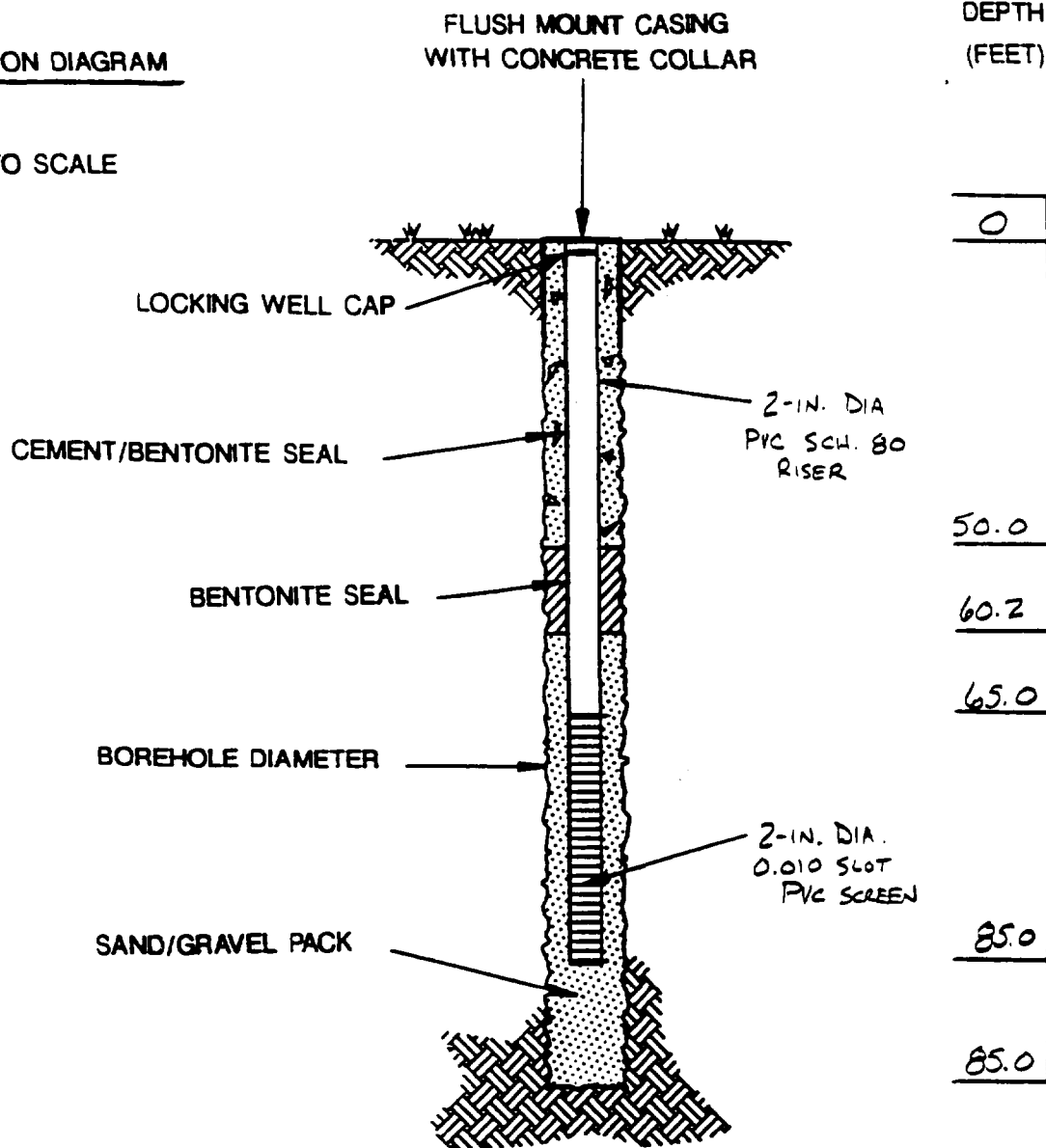
WATER ELEVATION 618.70

DATE _____

WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



MONITORING WELL NO. MW-12

PROJECT NAME Rockwell - ALLEGAN

PROJECT NO. 92192

LOCATION BACKGROUND

GEOLOGIST KPP

DRILLING CONTRACTOR WISCONSIN TEST DRILLING

DRILLER JOHN WEAKS

DRILLING METHOD 6 1/4" W I.D. HOLLOW STEM AUGER

DRILLING DATE 11/11/92 - 11/18/92

GROUND ELEVATION 631.90

TOP ELEVATION 631.49

STATIC WATER DEPTH 43.60 (2/15/93)

WATER ELEVATION 587.89

WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

LOCKING WELL CAP

CEMENT/BENTONITE SEAL

BENTONITE SEAL

BOREHOLE DIAMETER

SAND/GRAVEL PACK

FLUSH MOUNT CASING
WITH CONCRETE COLLAR

- 2-IN. DIA.
PVC SCH 40
RISER

- 2-IN. DIA.
0.010 SLOT
PVC SCREEN

DEPTH
(FEET)

C

0.5

5.0

7.0

17.0

17.0

MONITORING WELL NO. MW-13

PROJECT NAME ROCKWELL - ALLEGAN

PROJECT NO. 92192

LOCATION	RAILROAD	RIGHT-OF-WAY
1		
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99		
100		

GEOLOGIST _____ KPP

DRILLING CONTRACTOR WISCONSIN TEST DRILLING

DRILLER JOHN WEAKS

DRILLING METHOD 6 1/4-IN I.D. HOLLOW STEM AUGER

DRILLING DATE 11/13/92

GROUND ELEVATION 631.70

TOP ELEVATION 631.11

STATIC WATER DEPTH 6.64 (2/15/93)

WATER ELEVATION 624.47

WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

LOCKING WELL CAP

CEMENT/BENTONITE SEAL

BENTONITE SEAL

BOREHOLE DIAMETER

SAND/GRAVEL PACK

FLUSH MOUNT CASING
WITH CONCRETE COLLAR

DEPTH
(FEET)

- 2-IN. DIA PVC
SCH. 40 RISER

- 2-IN. DIA.
PVC SCREEN

MONITORING WELL NO. MW-14
PROJECT NAME Rockwell - ALLEGAN
PROJECT NO. 92192
LOCATION BACKGROUND
GEOLOGIST NG
DRILLING CONTRACTOR WISCONSIN TEST DRILLING
DRILLER MIKE NELSEN
DRILLING METHOD 6 1/4-IN I.D. Hollow STEM AUGER
DRILLING DATE 11/15/92
GROUND ELEVATION 629.40
TOP ELEVATION 628.33
STATIC WATER DEPTH 8.34 (2/15/93)
WATER ELEVATION 619.99



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

PROTECTIVE STEEL
COVER WITH LOCK

CONCRETE PAD

GROUND SURFACE

CASING
(4 " DIAMETER)

2-IN. DIA PVC SCH. 40

BOREHOLE DIAMETER

CEMENT/BENTONITE SEAL

BENTONITE SEAL
(PELLETS)

2-IN DIA 0.010 SLOT
PVC SCREEN

SAND/GRAVEL PACK

DEPTH
(FEET)

+2.57

0

0.5

1.5

2.0

12.0

12.0

MONITORING WELL NO. MW-15

PROJECT NAME Rockwell - ALLEGAN

PROJECT NO. 92192

LOCATION BACKGROUND

GEOLOGIST KPP

DRILLING CONTRACTOR WISCONSIN TEST DRILLING

DRILLER JOHN WEAKS

DRILLING METHOD 6 1/4-IN. I.D. HOLLOW STEM AUGER

DRILLING DATE 11/17/92

GROUND ELEVATION 618.30

TOP ELEVATION 620.87

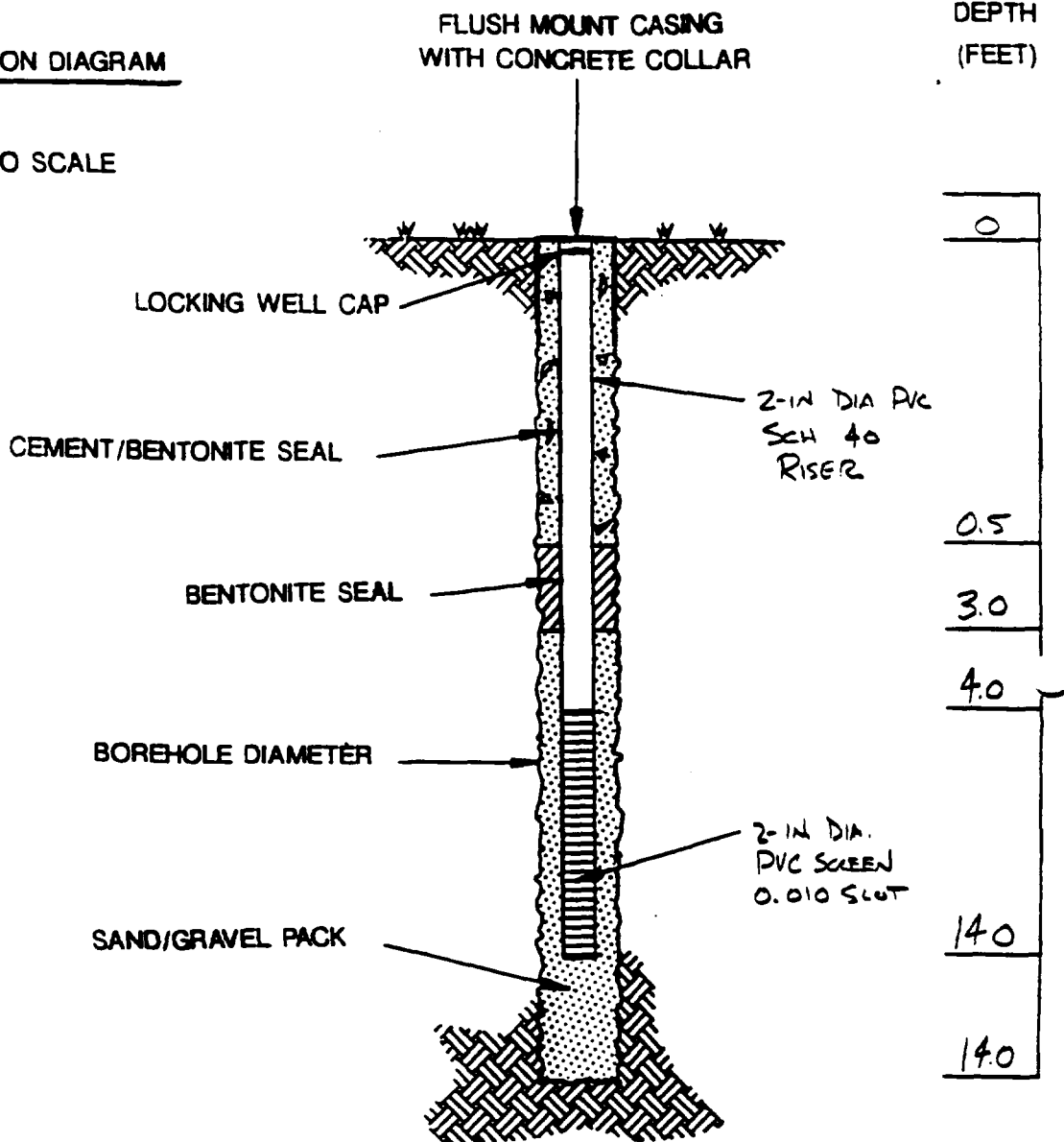
STATIC WATER DEPTH 5.44 (2/15/93)

WATER ELEVATION 615.43

WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



MONITORING WELL NO. MW-16

PROJECT NAME ROCKWELL-ALEGAN

PROJECT NO. 92192

LOCATION BACKGROUND

GEOLOGIST NG

DRILLING CONTRACTOR WISCONSIN TEST DRILLING

DRILLER MIKE NELSEN

DRILLING METHOD 6 1/4-IN I.D HOLLOW STEM AUGER

DRILLING DATE 11/13/92

GROUND ELEVATION 620.62

TOP ELEVATION 620.21

STATIC WATER DEPTH 5.03 (2/15/93)

WATER ELEVATION 615.18



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:

PROTECTIVE STEEL
COVER WITH LOCK

CONCRETE PAD

GROUND SURFACE

CASING
(4 " DIAMETER)
1-IN. DIA. PVC RISER

BOREHOLE DIAMETER

CEMENT/BENTONITE SEAL

BENTONITE SEAL
(PELLETS)

1-IN. DIA. PVC SCREEN

SAND/GRAVEL PACK

DEPTH
(FEET)

± 2.52

0

34.5

38.0

41.6

46.6

46.6

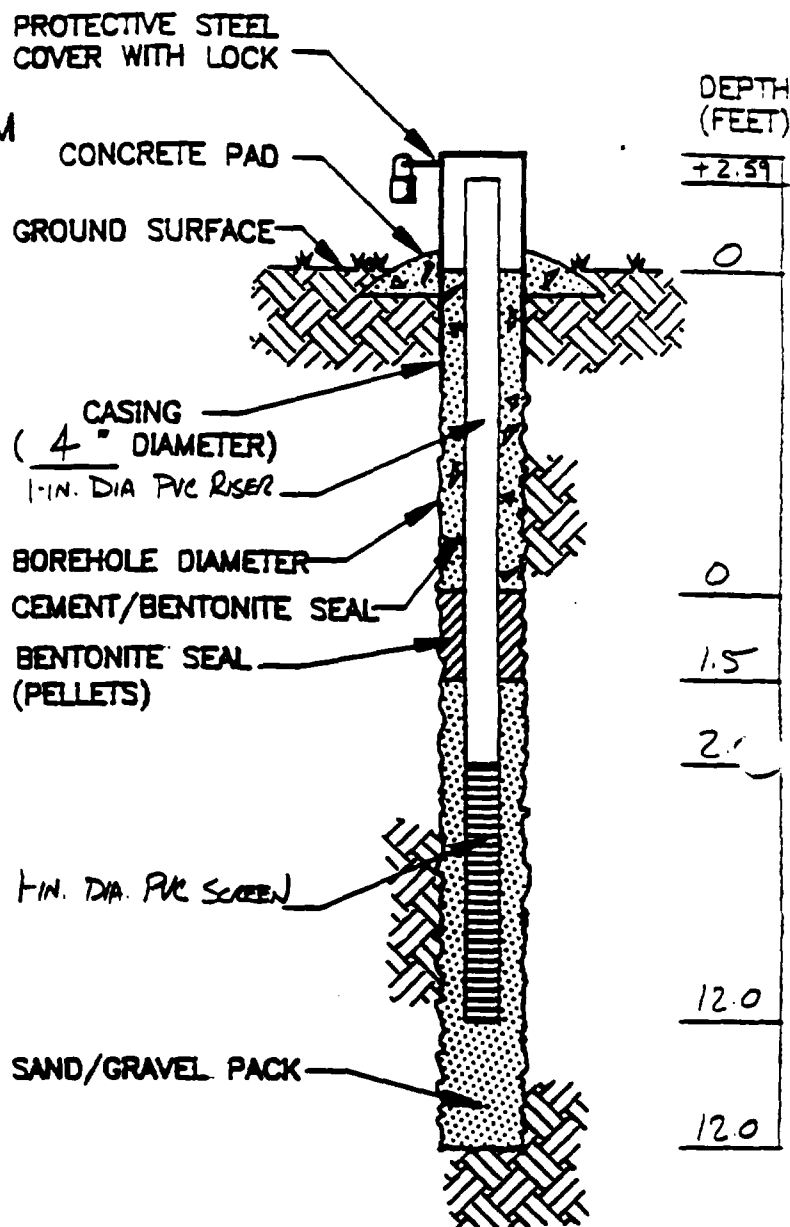
PIEZOMETER NO. P-18
PROJECT NAME ROCKWELL- ALLEGAN
PROJECT NO. 92192
LOCATION BACKGROUND
GEOLOGIST NG
DRILLING CONTRACTOR WISCONSIN TEST DRILLING
DRILLER MIKE NELSEN
DRILLING METHOD 4 1/4-IN I.D. HOLLOW STEM AUGER
DRILLING DATE 11/11/92
GROUND ELEVATION 664.40
TOP ELEVATION 666.92
STATIC WATER DEPTH 43.59 (2/15/93)
WATER ELEVATION 623.33



WELL CONSTRUCTION DIAGRAM

DRAWING NOT TO SCALE

NOTES:



PIEZOMETER NO. P-19

PROJECT NAME ROCKWELL- ALLEGAN

PROJECT NO. 92192

LOCATION FORMER CITY OF ALLEGAN LANDFILL

GEOLOGIST NG

DRILLING CONTRACTOR WISCONSIN TEST DRILLING

DRILLER MIKE NELSEN

DRILLING METHOD 4 1/4-IN I.D. HOLLOW STEM AUGER

DRILLING DATE 11/17/92

GROUND ELEVATION 617.90

TOP ELEVATION 620.49

STATIC WATER DEPTH 4.54 (2/13/93)

WATER ELEVATION 615.95