APPENDIX B

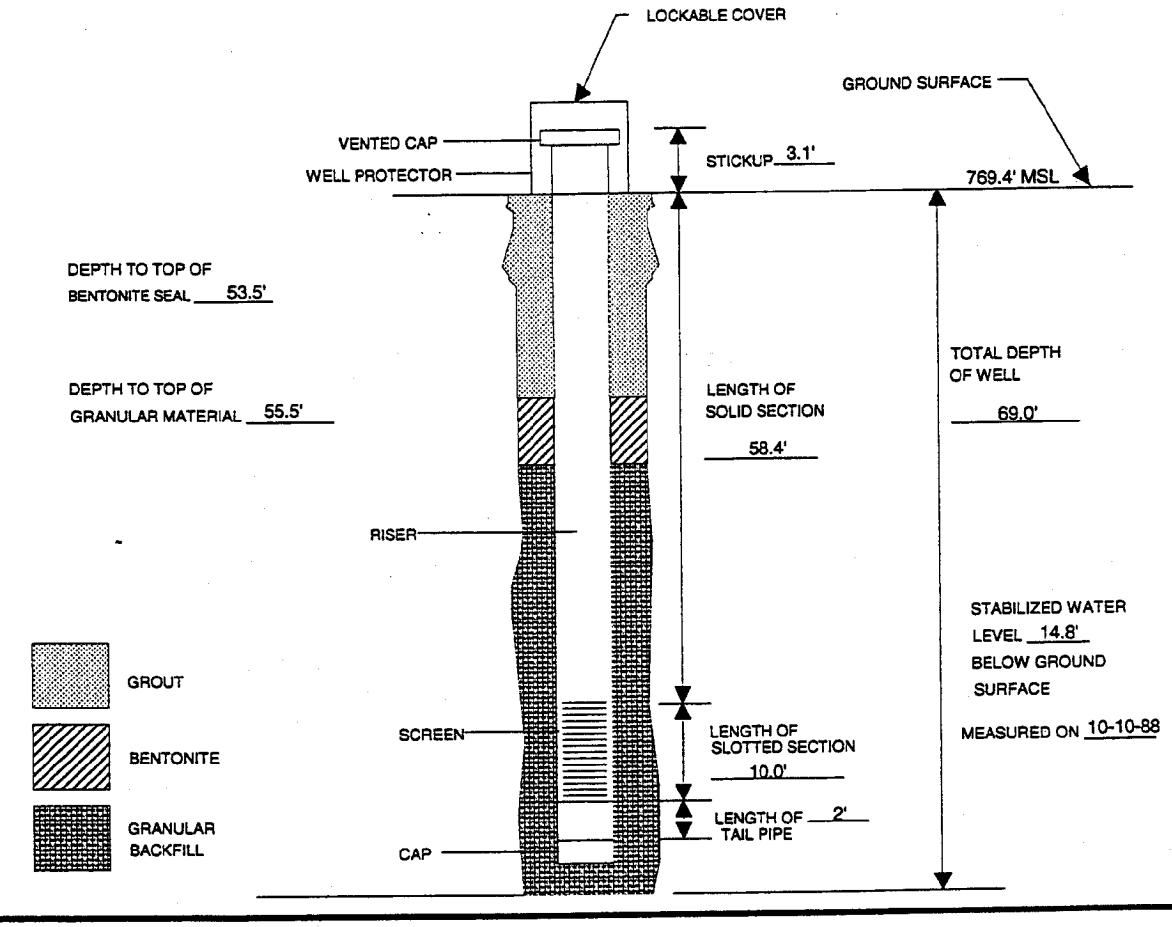
MONITORING WELL DIAGRAMS

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	KINGSTON STEAM PLANT	JOB NUMBER	K-88195
WELL NUMBER	J-9 A	INSTALLATION DATE	10-3 TO 10-4-88
LOCATION	PLANT COORDINATES W 9+44 N 19+07		Tennessee Lambert NAD83 Easting 2408204.75 Northing 575458
GROUND SURFACE ELEVATION	769.4' MSL	TOP OF INNER CASING	772.5' MSL
GRANULAR BACKFILL MATERIAL	QUARTZ SAND, COARSE	SLOT SIZE	.010 INCHES
CASING MATERIAL	PVC	CASING DIAMETER	2 INCHES
DRILLING TECHNIQUE	POWER AUGER	DRILLING CONTRACTOR	LAW ENGINEERING
BOREHOLE DIAMETER	11 INCHES	FIELD REPRESENTATIVE	H. W. ROBINSON
LOCKABLE COVER ?	YES	KEY CODE/COMBINATION	2043
RISER MATERIAL	PVC	SCREEN MATERIAL	PVC

COMMENTS

(NOT TO SCALE)



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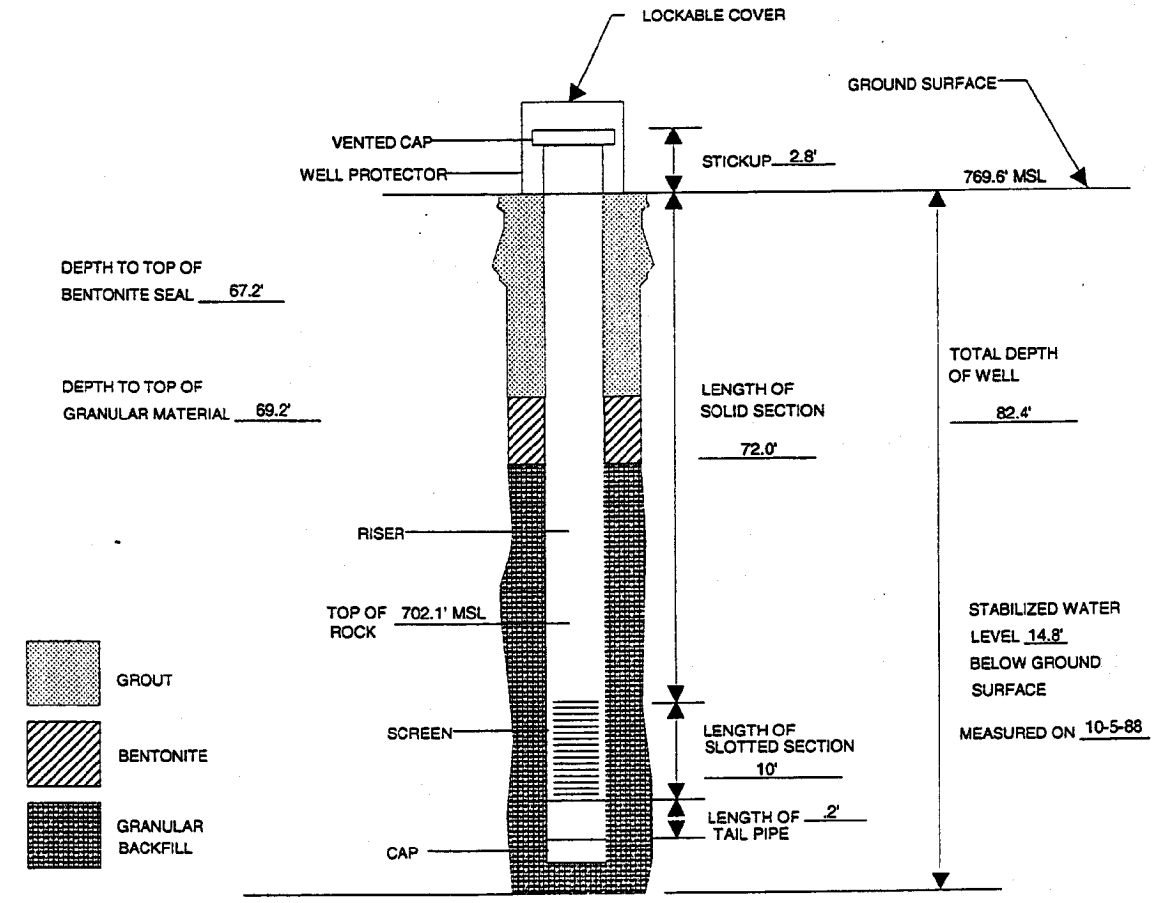
TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	KINGSTON STEAM PLANT	JOB NUMBER	K-88195
WELL NUMBER	J-9B	INSTALLATION DATE	9-28 TO 9-29-88
LOCATION	PLANT COORDINATES W 9+42 , N 19+22		Tennessee Lambert NAD83 Easting 2408204.25 Northing 575457.5
GROUND SURFACE ELEVATION	769.6' MSL	TOP OF INNER CASING	772.4' MSL
GRANULAR BACKFILL MATERIAL	QUARTZ SAND,COURSE	SLOT SIZE	.010 INCHES
CASING MATERIAL	PVC	CASING DIAMETER	2 INCHES
DRILLING TECHNIQUE	AIR ROTARY	DRILLING CONTRACTOR	HIGHLAND DRILLING
BOREHOLE DIAMETER	5 7/8 (ROLLER CONE)	FIELD REPRESENTATIVE	H. W. ROBINSON
LOCKABLE COVER ?	YES	KEY CODE/COMBINATION	2043
RISER MATERIAL	PVC	SCREEN MATERIAL	PVC
COMMENTS			

(NOT TO SCALE)

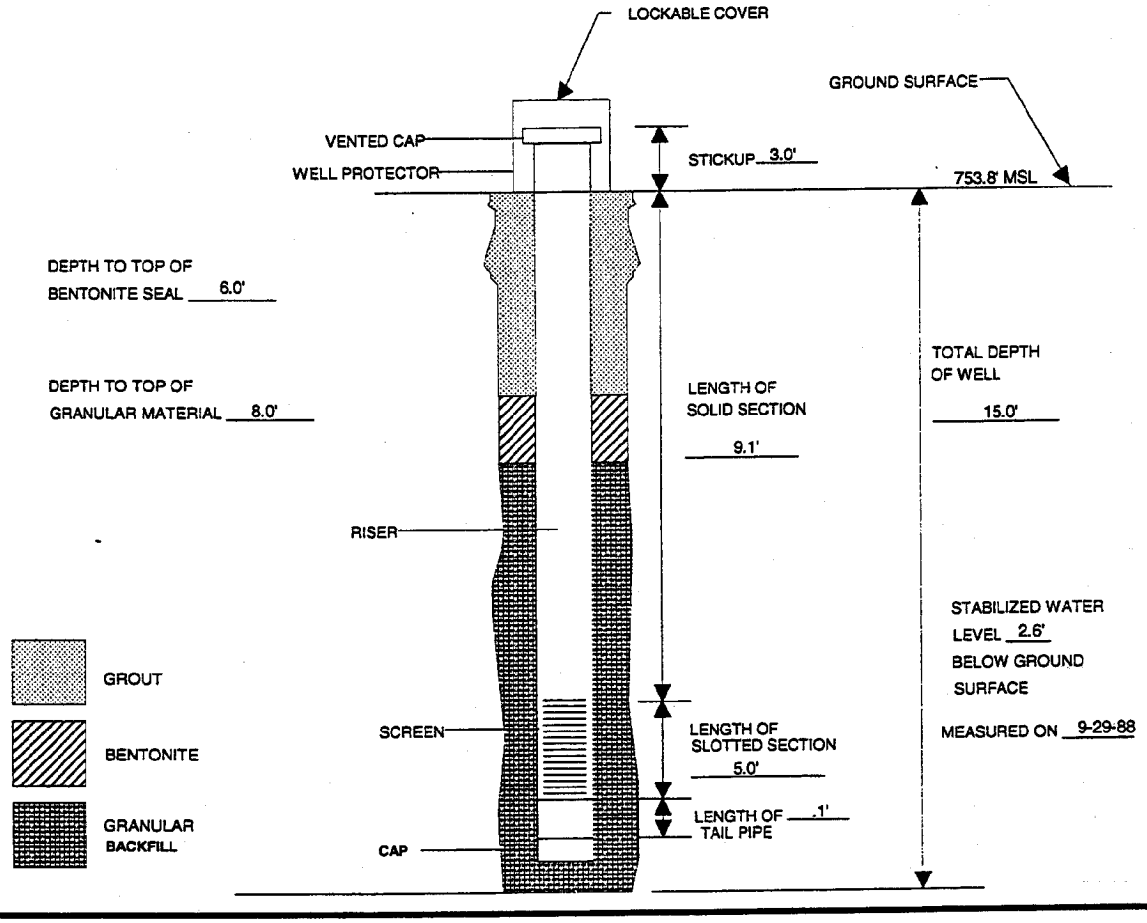


ENG LAB 10/2/90

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	KINGSTON STEAM PLANT	JOB NUMBER	K-88195
WELL NUMBER	J-10	INSTALLATION DATE	9-27-88
LOCATION	PLANT COORDINATES W 4+79, N 16+36 Tennessee Lambert NAD83 Easting 2408462.25 Northing 574754.063		
GROUND SURFACE ELEVATION	753.8' MSL	TOP OF INNER CASING	756.8' MSL
GRANULAR BACKFILL MATERIAL	QUARTZ SAND,COURSE	SLOT SIZE	.010 INCHES
CASING MATERIAL	PVC	CASING DIAMETER	2 INCHES
DRILLING TECHNIQUE	POWER AUGER	DRILLING CONTRACTOR	LAW ENGINEERING
BOREHOLE DIAMETER	11 INCHES	FIELD REPRESENTATIVE	H. W. ROBINSON
LOCKABLE COVER ?	YES	KEY CODE/COMBINATION	2043
RISER MATERIAL	PVC	SCREEN MATERIAL	PVC
COMMENTS			

(NOT TO SCALE)



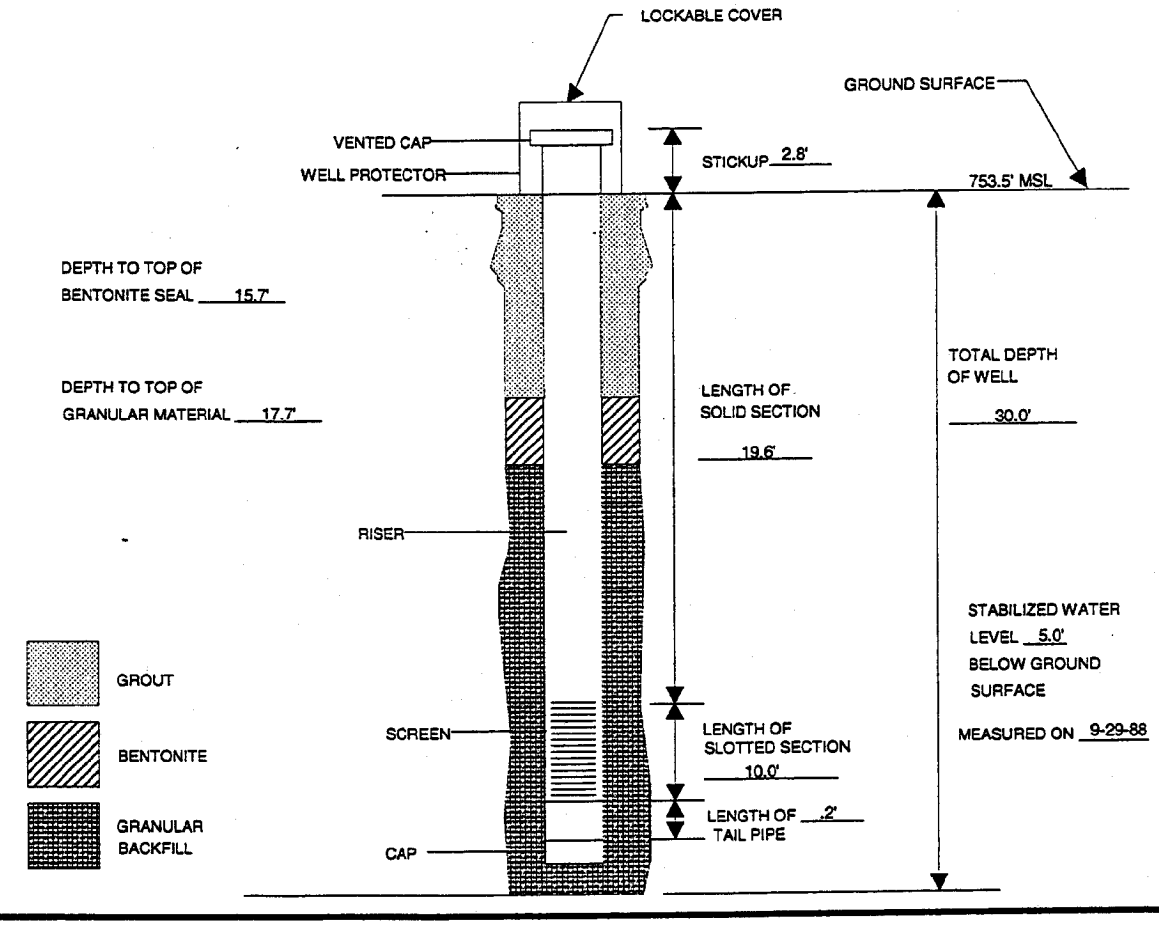
ENG LAB 10/2/80

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	KINGSTON STEAM PLANT	JOB NUMBER	K-88195
WELL NUMBER	J - 10A	INSTALLATION DATE	9-19 TO 9-27-88
LOCATION	PLANT COORDINATES W 4+68, N 16+51	Tennessee Lambert NAD83 Easting 2408462.25 Northing 574754.063	
GROUND SURFACE ELEVATION	753.5' MSL	TOP OF INNER CASING	756.3' MSL
GRANULAR BACKFILL MATERIAL	QUARTZ SAND, COURSE	SLOT SIZE	.010 INCHES
CASING MATERIAL	PVC	CASING DIAMETER	2 INCHES
DRILLING TECHNIQUE	AIR ROTARY & POWER AUGER	DRILLING CONTRACTOR	HIGHLAND DRILLING & LAW ENGINEERING
BOREHOLE DIAMETER	11 INCHES	FIELD REPRESENTATIVE	H. W. ROBINSON
LOCKABLE COVER ?	YES	KEY CODE/COMBINATION	2043
RISER MATERIAL	PVC	SCREEN MATERIAL	PVC

COMMENTS

(NOT TO SCALE)



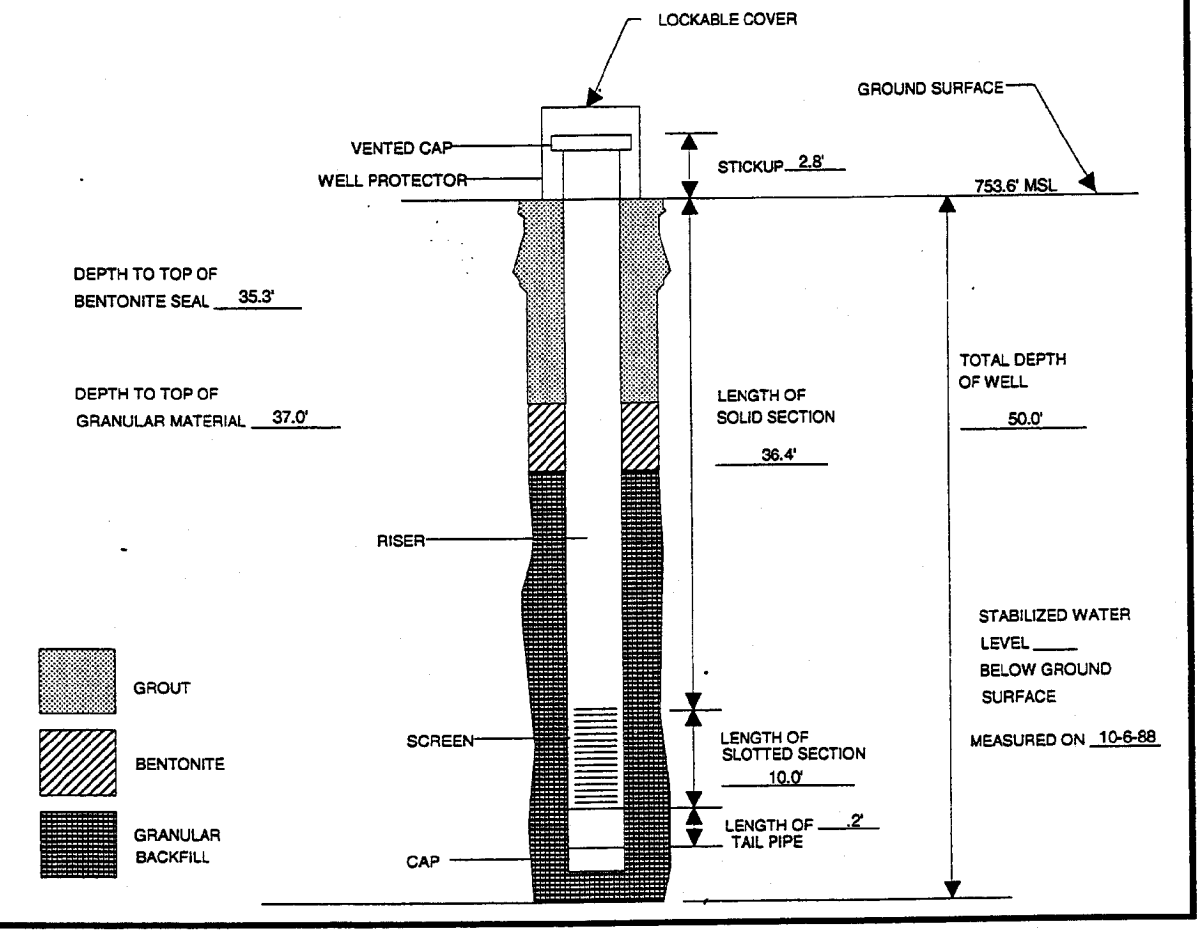
ENG LAB 10/2/90

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	KINGSTON STEAM PLANT	JOB NUMBER	K-88195
WELL NUMBER	J-10 B	INSTALLATION DATE	9-23-88
LOCATION	PLANT COORDINATES W 4+73, N 16+51	Tennessee Lambert NAD83 Easting 2408462.25 Northing 574754.063	
GROUND SURFACE ELEVATION	753.6' MSL	TOP OF INNER CASING	756.4' MSL
GRANULAR BACKFILL MATERIAL	QUARTZ SAND,COURSE	SLOT SIZE	.010 INCHES
CASING MATERIAL	PVC	CASING DIAMETER	2 INCHES
DRILLING TECHNIQUE	POWER AUGER	DRILLING CONTRACTOR	LAW ENGINEERING
BOREHOLE DIAMETER	11 INCHES	FIELD REPRESENTATIVE	H. W. ROBINSON
LOCKABLE COVER ?	YES	KEY CODE/COMBINATION	2043
RISER MATERIAL	PVC	SCREEN MATERIAL	PVC

COMMENTS

(NOT TO SCALE)



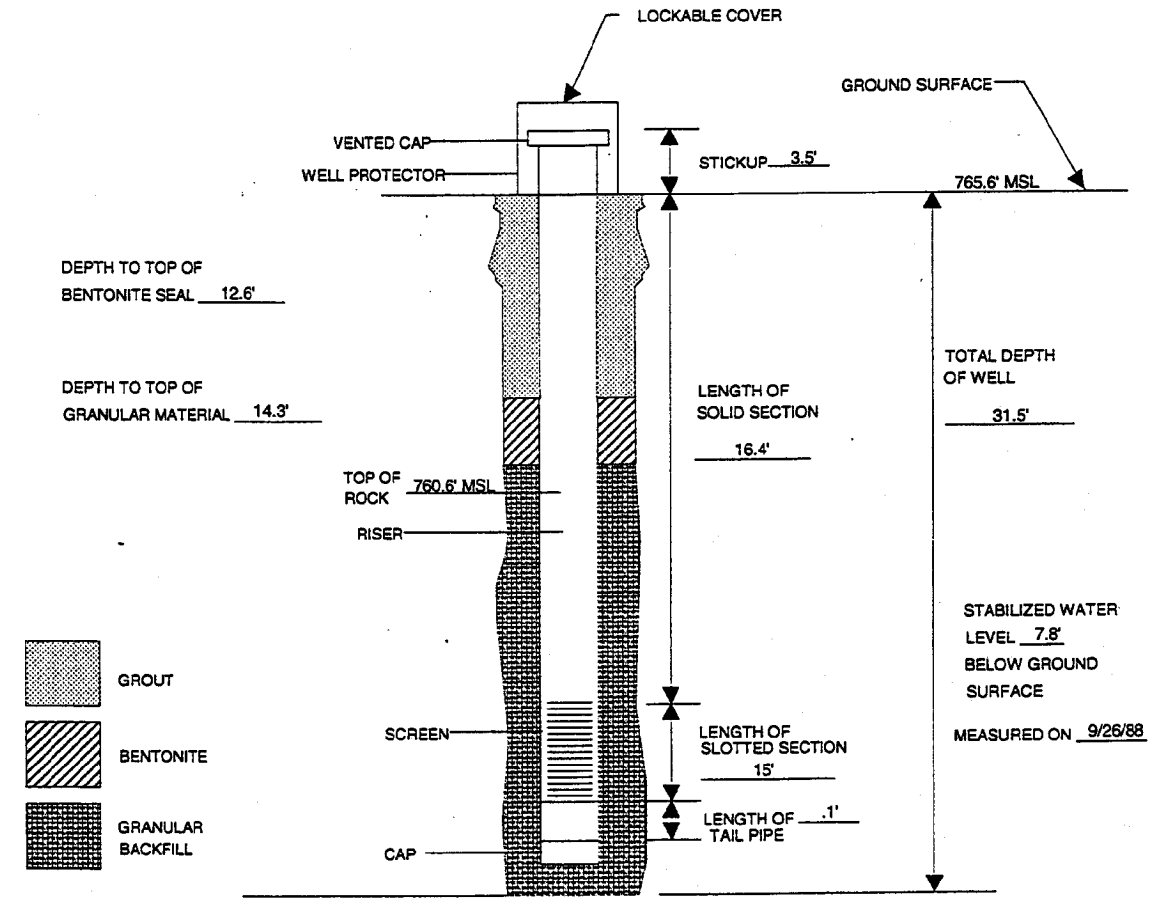
ENG LAB 10/2/90

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	KINGSTON STEAM PLANT	JOB NUMBER	K-88195
WELL NUMBER	J-11 B	INSTALLATION DATE	9-19-88
LOCATION	PLANT COORDINATES W 7+84, N 7+97		
GROUND SURFACE ELEVATION	765.6' MSL	TOP OF INNER CASING	769.1' MSL
GRANULAR BACKFILL MATERIAL	QUARTZ SAND,COURSE	SLOT SIZE	0.10 INCHES
CASING MATERIAL	PVC	CASING DIAMETER	2 INCHES
DRILLING TECHNIQUE	AIR/WATER ROTARY	DRILLING CONTRACTOR	HIGHLAND DRILLING
BOREHOLE DIAMETER	8 INCHES	FIELD REPRESENTATIVE	H. W. ROBINSON
LOCKABLE COVER ?	YES	KEY CODE/COMBINATION	2043
RISER MATERIAL	PVC	SCREEN MATERIAL	PVC

COMMENTS

(NOT TO SCALE)



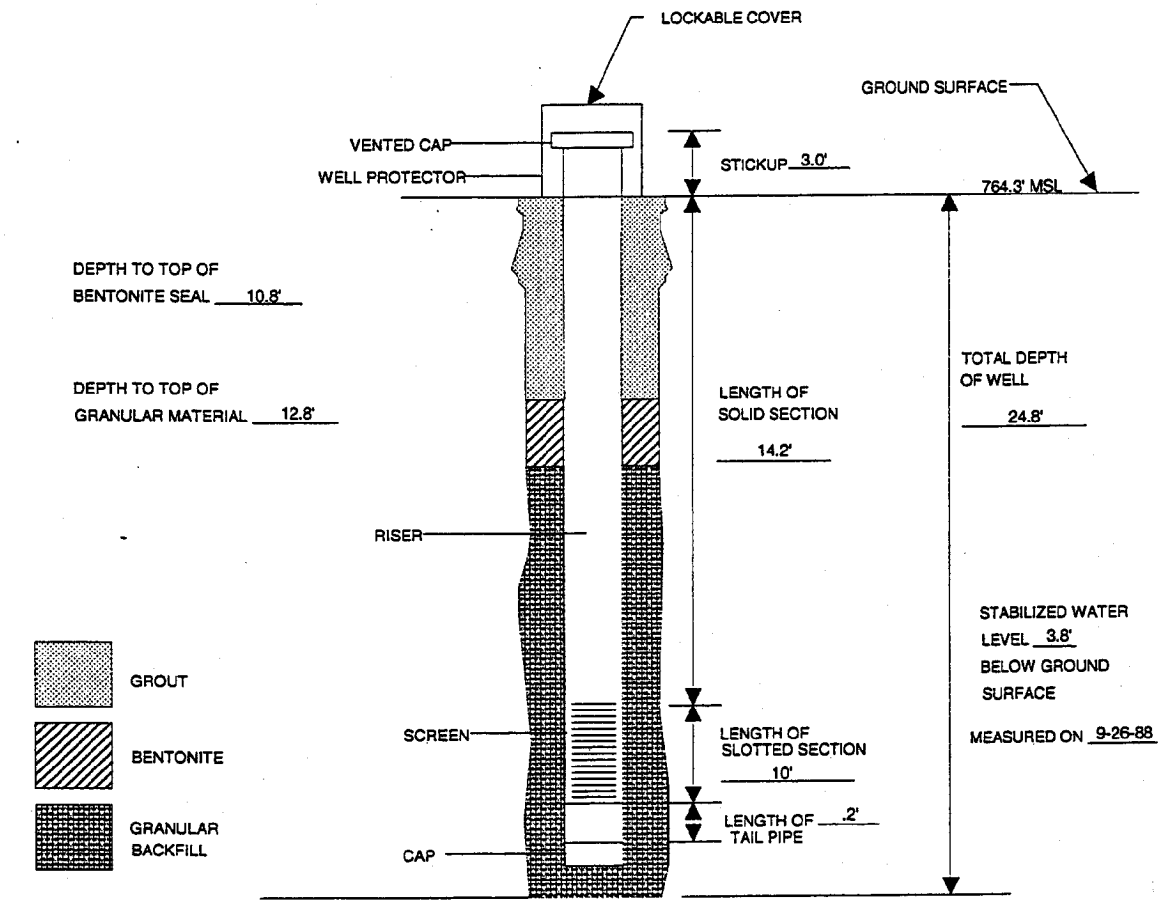
ENG LAB 10/3/89

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	KINGSTON STEAM PLANT	JOB NUMBER	K-88195
WELL NUMBER	J-12 A	INSTALLATION DATE	9-22-88
LOCATION	PLANT COORDINATES W 17+40, N 15+57		Tennessee Lambert NAD83 Easting 2407132.25 Northing 575644
GROUND SURFACE ELEVATION	764.3' MLS	TOP OF INNER CASING	767.3' MLS
GRANULAR BACKFILL MATERIAL	QUARTZ SAND,COURSE	SLOT SIZE	.010 INCHES
CASING MATERIAL	PVC	CASING DIAMETER	2 INCHES
DRILLING TECHNIQUE	POWER AUGER	DRILLING CONTRACTOR	LAW ENGINEERING
BOREHOLE DIAMETER	10 1/4 INCHES	FIELD REPRESENTATIVE	H. W. ROBINSON
LOCKABLE COVER ?	YES	KEY CODE/COMBINATION	2043
RISER MATERIAL	PVC	SCREEN MATERIAL	PVC

COMMENTS

(NOT TO SCALE)

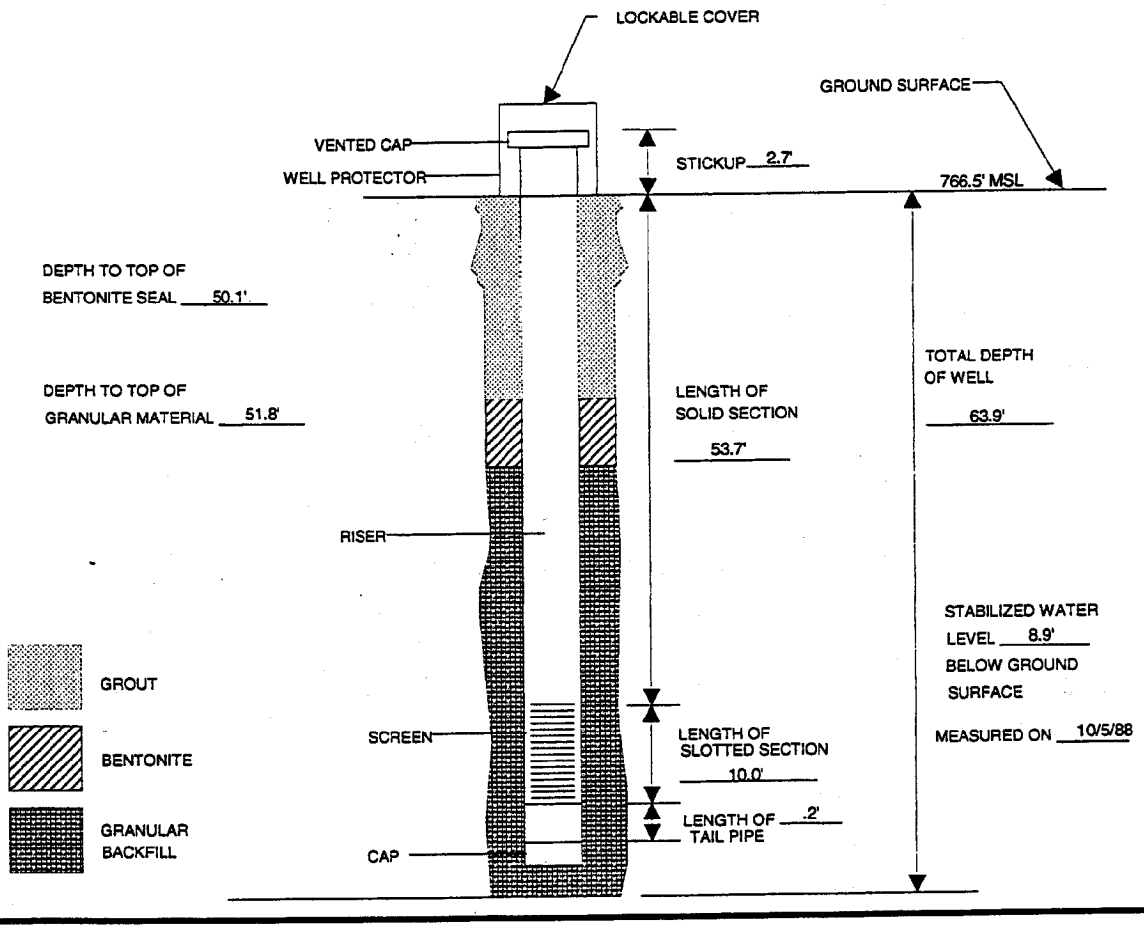


ENG LAB 10/2/90

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT: KINGSTON STEAM PLANT
JOB NUMBER: K-88195
WELL NUMBER: J-13 A
INSTALLATION DATE: 9-28 TO 9-30-88
LOCATION: PLANT COORDINATES W 7+13, N 31+23 Tennessee Lambert NAD83 Easting 2408856.75 Northing 575872.44
GROUND SURFACE ELEVATION: 766.5' MSL
TOP OF INNER CASING: 769.2' MSL
GRANULAR BACKFILL MATERIAL: QUARTZ SAND,COARSE
SLOT SIZE: .010 INCH
CASING MATERIAL: PVC
CASING DIAMETER: 2 INCHES
DRILLING TECHNIQUE: POWER AUGER
DRILLING CONTRACTOR: LAW ENGINEERING
BOREHOLE DIAMETER: APPROXIMATELY 11 INCHES
FIELD REPRESENTATIVE: H. W. ROBINSON
LOCKABLE COVER ?: YES
KEY CODE/COMBINATION: 2043
RISER MATERIAL: PVC
SCREEN MATERIAL: PVC
COMMENTS:

(NOT TO SCALE)



ENG LAB 10/2/90

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT KINGSTON STEAM PLANT | JOB NUMBER K-88195

WELL NUMBER J-13 B | INSTALLATION DATE 9-29 TO 9-30-88

LOCATION PLANT COORDINATES W 7+34, N 31+04 Tennessee Lambert NAD83 Easting 2408856.25 Northing 575872.43

GROUND SURFACE ELEVATION 767.4' MSL | TOP OF INNER CASING 770.5' MSL

GRANULAR BACKFILL MATERIAL QUARTZ SAND | SLOT SIZE .010 INCH

CASING MATERIAL PVC | CASING DIAMETER 2 INCHES

DRILLING TECHNIQUE AUGER AND AIR ROTARY | DRILLING CONTRACTOR HIGHLAND DRILLING

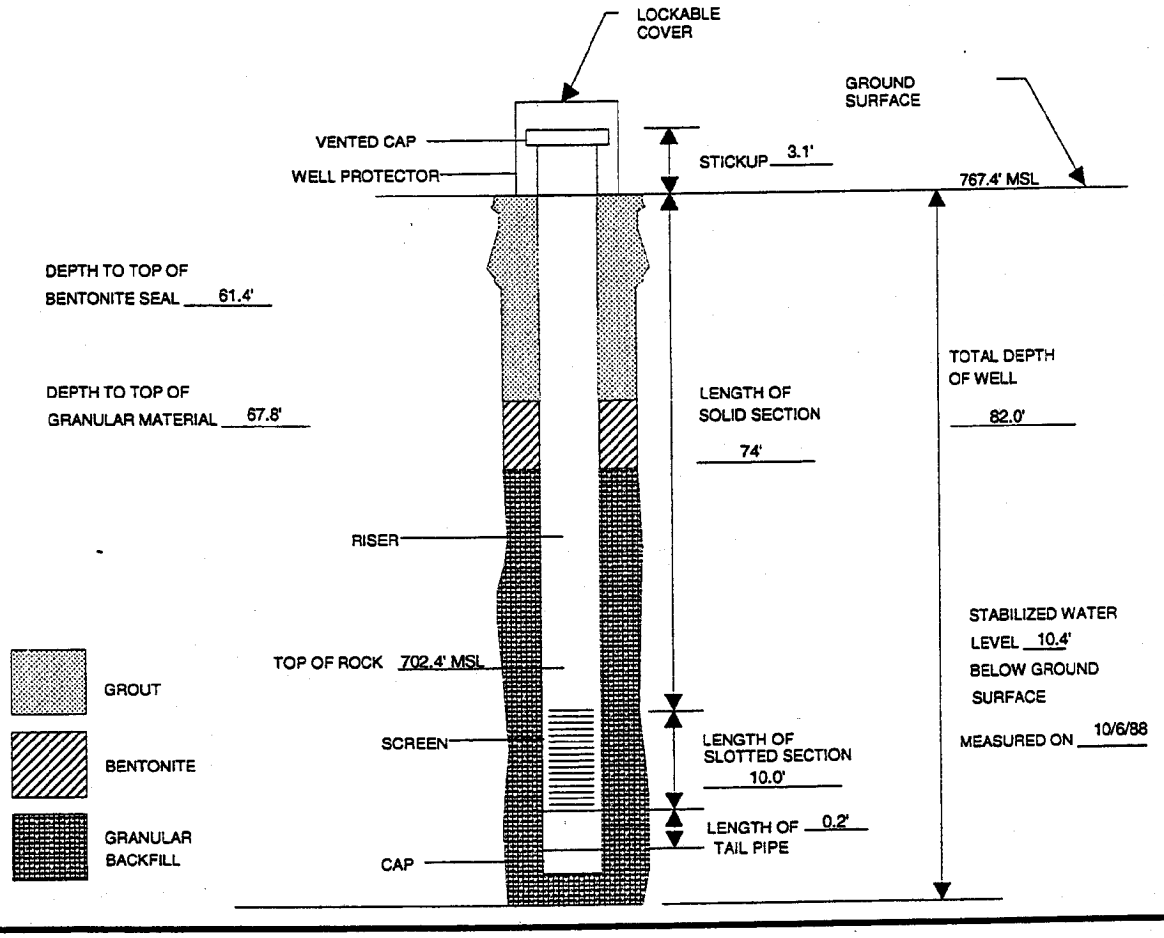
BOREHOLE DIAMETER 8" AUGER, 5 7/8" (ROLLER CONE) | FIELD REPRESENTATIVE H.W. ROBINSON

LOCKABLE COVER ? YES | KEY CODE/COMBINATION 2043

RISER MATERIAL PVC | SCREEN MATERIAL PVC

COMMENTS

(NOT TO SCALE)

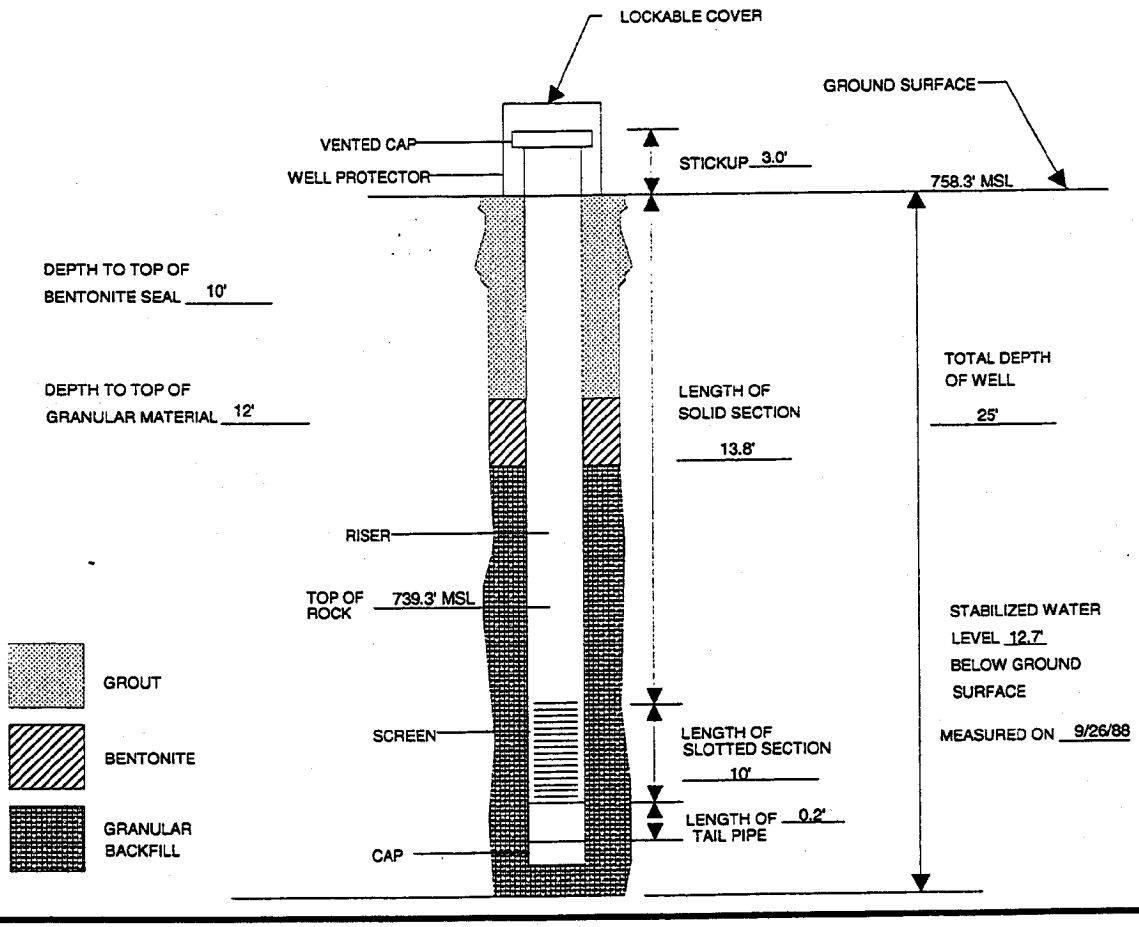


ENG LAB
10/2/90

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT: KINGSTON STEAM PLANT
JOB NUMBER: K-88195
WELL NUMBER: J-14 A
INSTALLATION DATE: 9-22-88
LOCATION: PLANT COORDINATES W 30+46, N 37+49 Tennessee Lambert NAD83 Easting 2402915.5 Northing 571535.31
GROUND SURFACE ELEVATION: 758.3' MSL
TOP OF INNER CASING: 761.3' MSL
GRANULAR BACKFILL MATERIAL: QUARTZ SAND, COARSE
SLOT SIZE: .010 INCH
CASING MATERIAL: PVC
CASING DIAMETER: 2 INCHES
DRILLING TECHNIQUE: AIR/WATER ROTARY
DRILLING CONTRACTOR: HIGHLAND DRILLLING
BOREHOLE DIAMETER: 8 INCHES
FIELD REPRESENTATIVE: H.W. ROBINSON
LOCKABLE COVER ?: YES
KEY CODE/COMBINATION: 2043
RISER MATERIAL: PVC
SCREEN MATERIAL: PVC
COMMENTS:

(NOT TO SCALE)



ENG LAB 10/2/90

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT KINGSTON STEAM PLANT

JOB NUMBER K-88195

WELL NUMBER J-14 B

INSTALLATION DATE 9-22-88

LOCATION PLANT COORDINATES W 30+56, S 37+60 Tennessee Lambert NAD83 Easting 2402915.5 Northing 571535.31

GROUND SURFACE ELEVATION 758.3' MSL

TOP OF INNER CASING 761.3' MSL

GRANULAR BACKFILL MATERIAL QUARTZ,SAND,COARSE

SLOT SIZE .010 INCH

CASING MATERIAL PVC

CASING DIAMETER 2 INCHES

DRILLING TECHNIQUE AIR/WATER ROTARY

DRILLING CONTRACTOR HIGHLAND DRILLING

BOREHOLE DIAMETER 8 INCHES

FIELD REPRESENTATIVE H.W. ROBINSON

LOCKABLE COVER ? YES

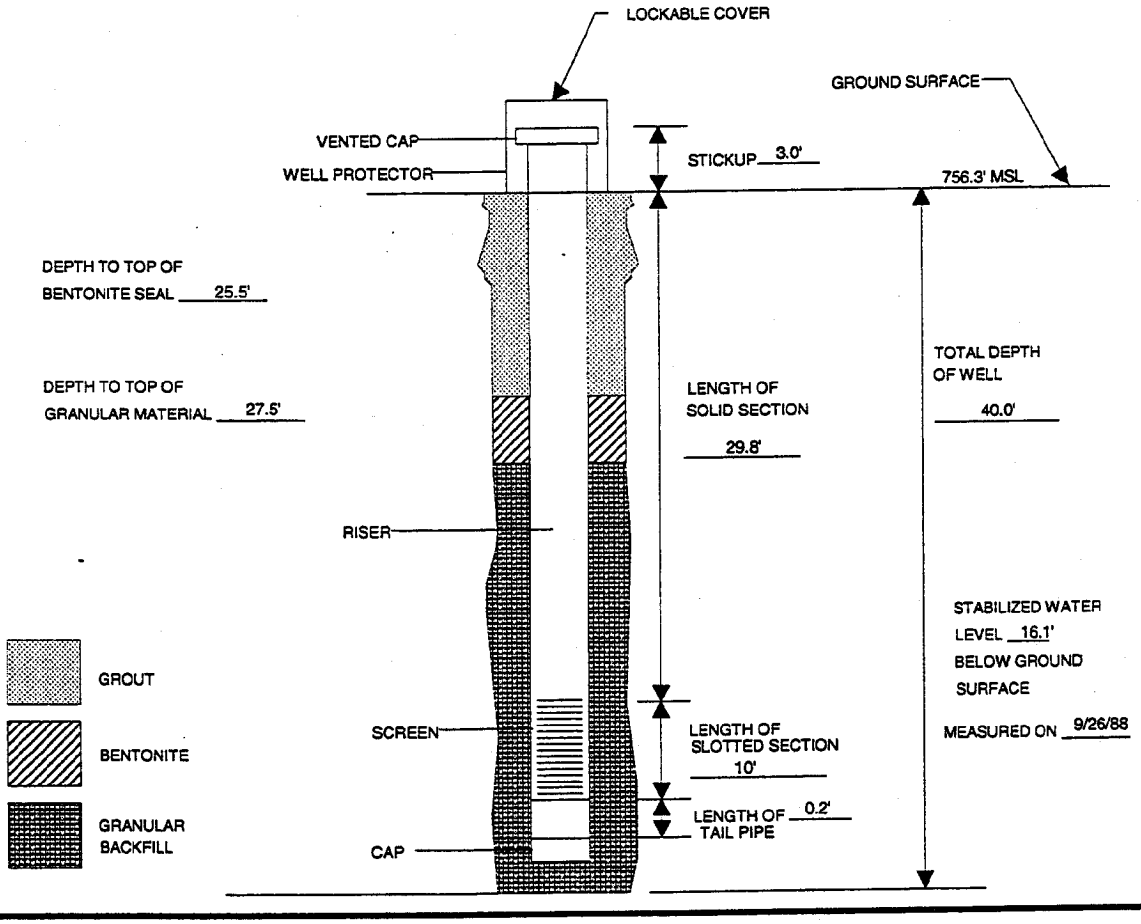
KEY CODE/COMBINATION 2043

RISER MATERIAL PVC

SCREEN MATERIAL PVC

COMMENTS

(NOT TO SCALE)



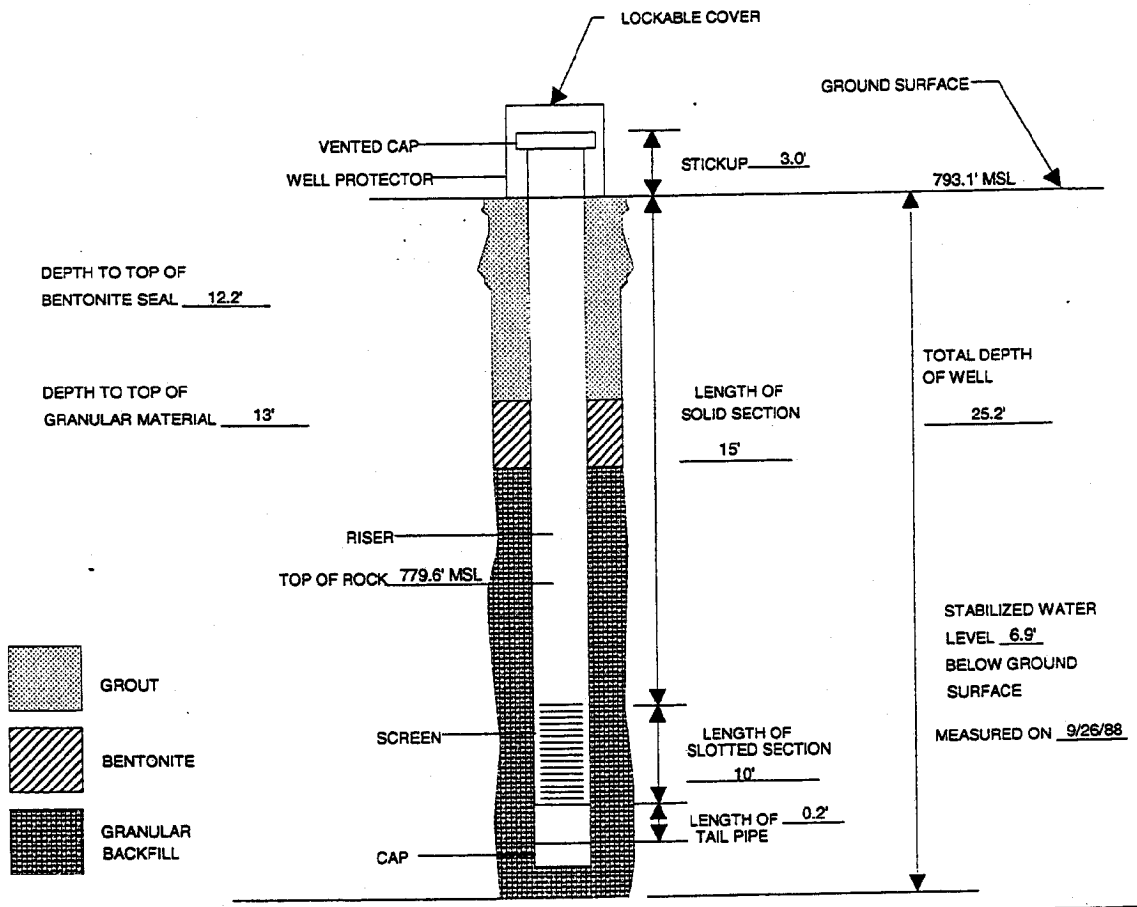
ENG LAB 10/2/90

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	KINGSTON STEAM PLANT	JOB NUMBER	K-88195
WELL NUMBER	J-15 A	INSTALLATION DATE	9-21-88
LOCATION	PLANT COORDINATES W 24+39,N 6+35	Tennessee Lambert NAD83 Easting 2406718 Northing 575840	
GROUND SURFACE ELEVATION	793.1' MSL	TOP OF INNER CASING	796.1' MSL
GRANULAR BACKFILL MATERIAL	QUARTZ SAND, COURSE	SLOT SIZE	.010 INCH
CASING MATERIAL	PVC	CASING DIAMETER	2 INCHES
DRILLING TECHNIQUE	AIR/WATER ROTARY	DRILLING CONTRACTOR	HIGHLAND DRILLING
BOREHOLE DIAMETER	8 INCHES	FIELD REPRESENTATIVE	H.W. ROBINSON
LOCKABLE COVER ?	YES	KEY CODE/COMBINATION	2043
RISER MATERIAL	PVC	SCREEN MATERIAL	PVC

COMMENTS

(NOT TO SCALE)



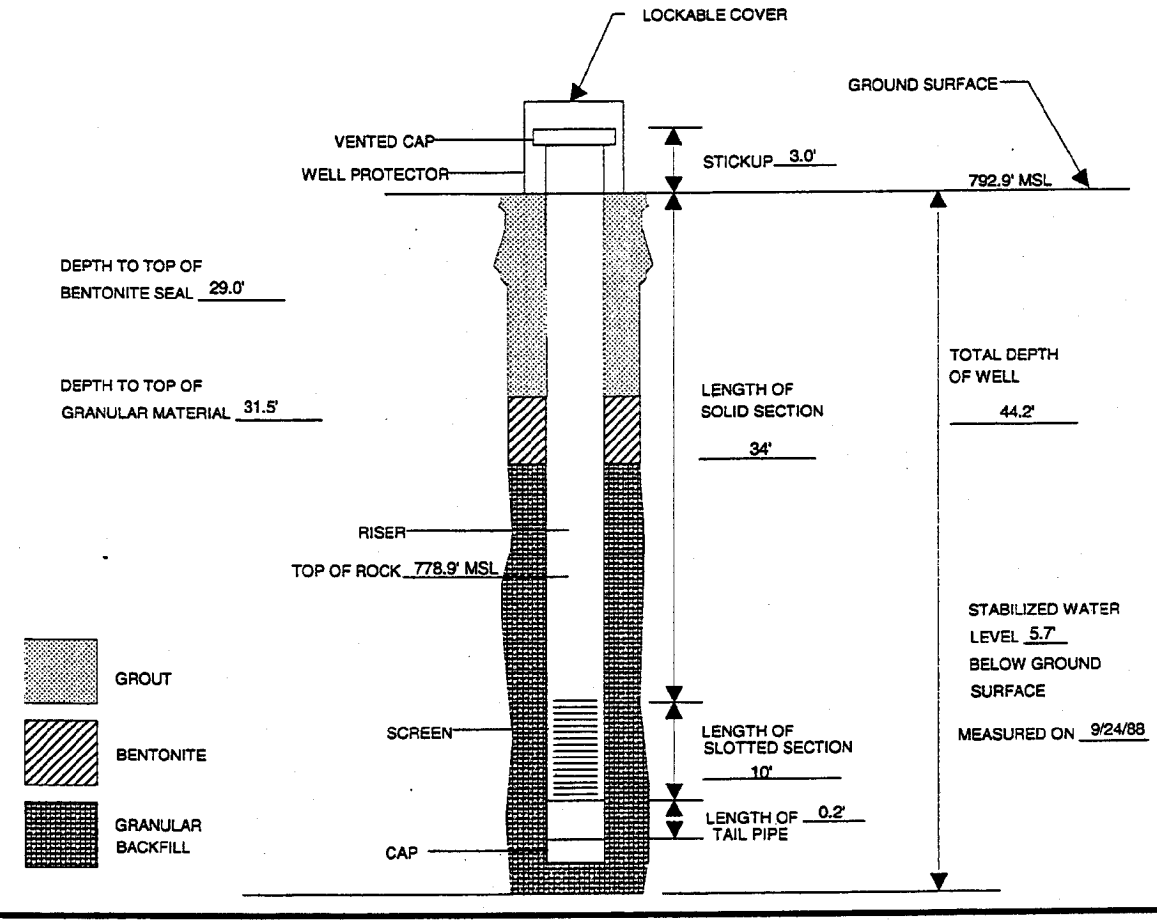
ENG LAB 10/2/80

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	KINGSTON STEAM PLANT	JOB NUMBER	K-88195
WELL NUMBER	J-15 B	INSTALLATION DATE	9-21-88
LOCATION	PLANT COORDINATES W 24+38,N 6+50	Tennessee Lambert NAD83	Easting 2406718 Northing 575840
GROUND SURFACE ELEVATION	792.9' MSL	TOP OF INNER CASING	795.9' MSL
GRANULAR BACKFILL MATERIAL	QUARTZ SAND, COARSE	SLOT SIZE	.010 INCH
CASING MATERIAL	PVC	CASING DIAMETER	2 INCHES
DRILLING TECHNIQUE	AIR/WATER ROTARY	DRILLING CONTRACTOR	HIGHLAND DRILLING
BOREHOLE DIAMETER	8 INCHES	FIELD REPRESENTATIVE	H.W. ROBINSON
LOCKABLE COVER ?	YES	KEY CODE/COMBINATION	2043
RISER MATERIAL	PVC	SCREEN MATERIAL	PVC

COMMENTS

(NOT TO SCALE)



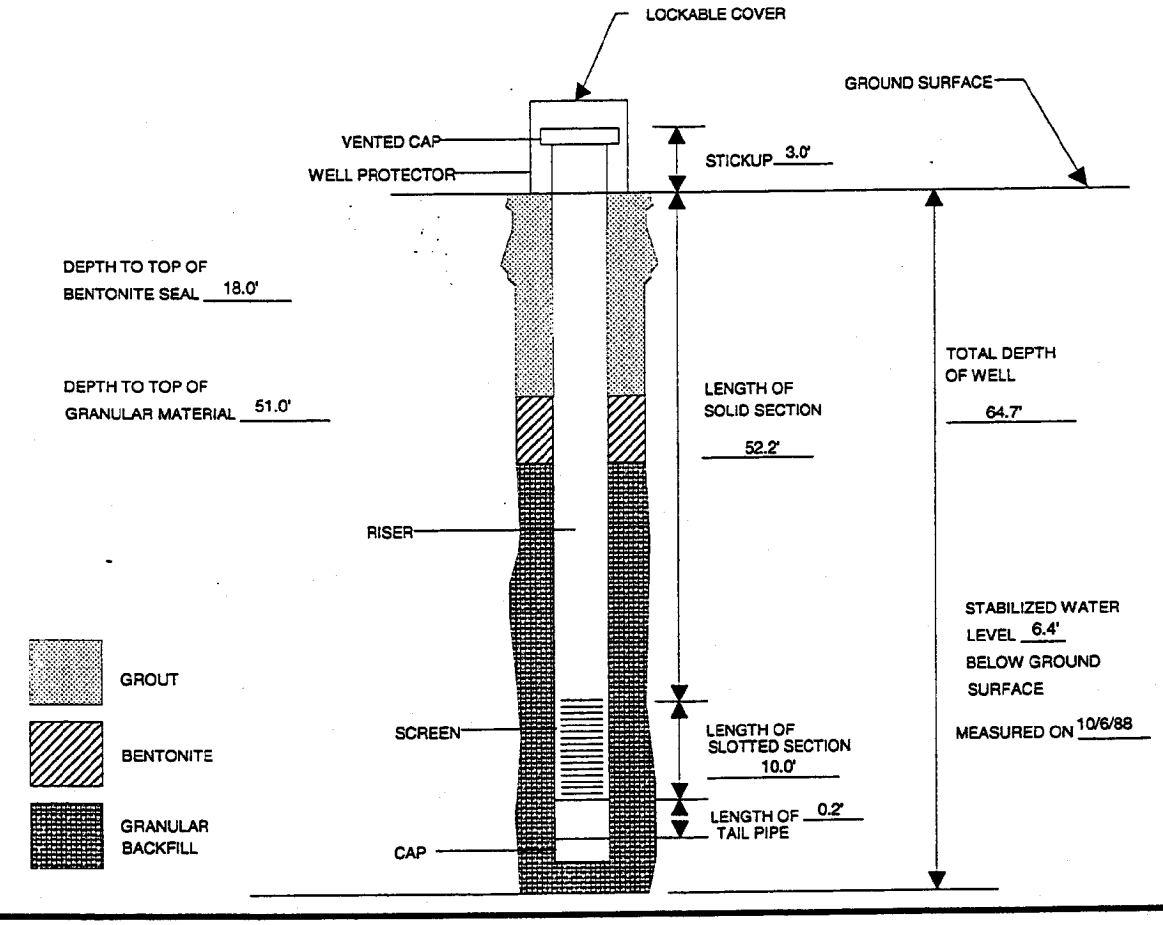
ENG LAB 10/2/90

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	KINGSTON STEAM PLANT	JOB NUMBER	K-88195
WELL NUMBER	J-16 A	INSTALLATION DATE	10-5-88
LOCATION	PLANT COORDINATES W 27+87,N 40+08	Tennessee Lambert NAD83 Easting 2407752 Northing 578181.56	
GROUND SURFACE ELEVATION	756.6' MSL	TOP OF INNER CASING	768.6' MSL
GRANULAR BACKFILL MATERIAL	QUARTZ SAND, COARSE	SLOT SIZE	.010 INCH
CASING MATERIAL	PVC	CASING DIAMETER	2 INCHES
DRILLING TECHNIQUE	POWER AUGER	DRILLING CONTRACTOR	HIGHLAND DRILLING
BOREHOLE DIAMETER	11 INCHES	FIELD REPRESENTATIVE	H.W. ROBINSON
LOCKABLE COVER ?	YES	KEY CODE/COMBINATION	2043
RISER MATERIAL	PVC	SCREEN MATERIAL	PVC

COMMENTS

(NOT TO SCALE)

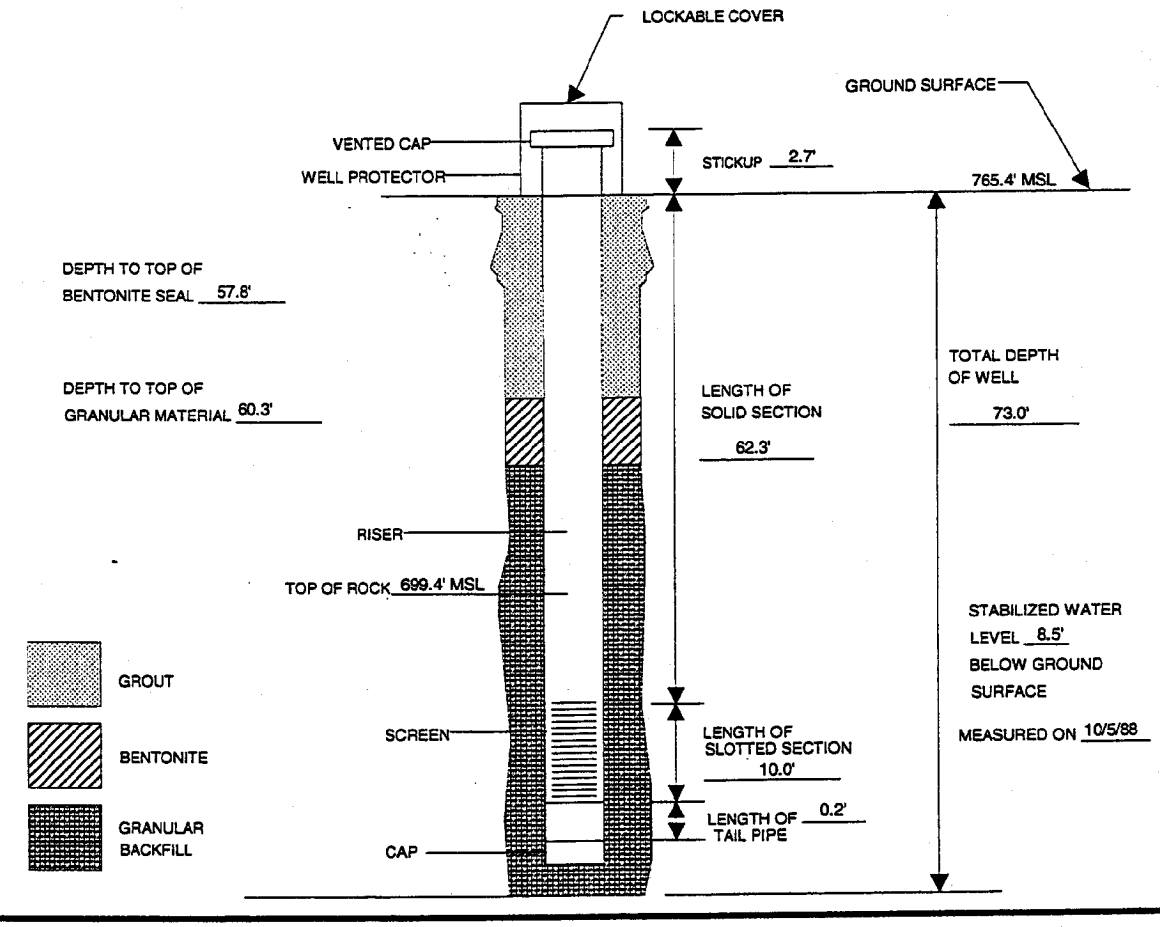


ENG LAB 10/2/90

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT: KINGSTON STEAM PLANT
JOB NUMBER: K-88195
WELL NUMBER: J-16 B
INSTALLATION DATE: 9-23-88
LOCATION: PLANT COORDINATES W 27+80,N 40+34 Tennessee Lambert NAD83 Easting 2407751 Northing 578181.05
GROUND SURFACE ELEVATION: 765.4' MSL
TOP OF INNER CASING: 768.1' MSL
GRANULAR BACKFILL MATERIAL: QUARTZ SAND,COARSE
SLOT SIZE: .010 INCHES
CASING MATERIAL: PVC
CASING DIAMETER: 2 INCHES
DRILLING TECHNIQUE: AUGER AND AIR ROTARY
DRILLING CONTRACTOR: HIGHLAND DRILLING
BOREHOLE DIAMETER: 8" AUGER,5 7/8" AIR ROTARY
FIELD REPRESENTATIVE: H.W. ROBINSON
LOCKABLE COVER ?: YES
KEY CODE/COMBINATION: 2043
RISER MATERIAL: PVC
SCREEN MATERIAL: PVC
COMMENTS:

(NOT TO SCALE)



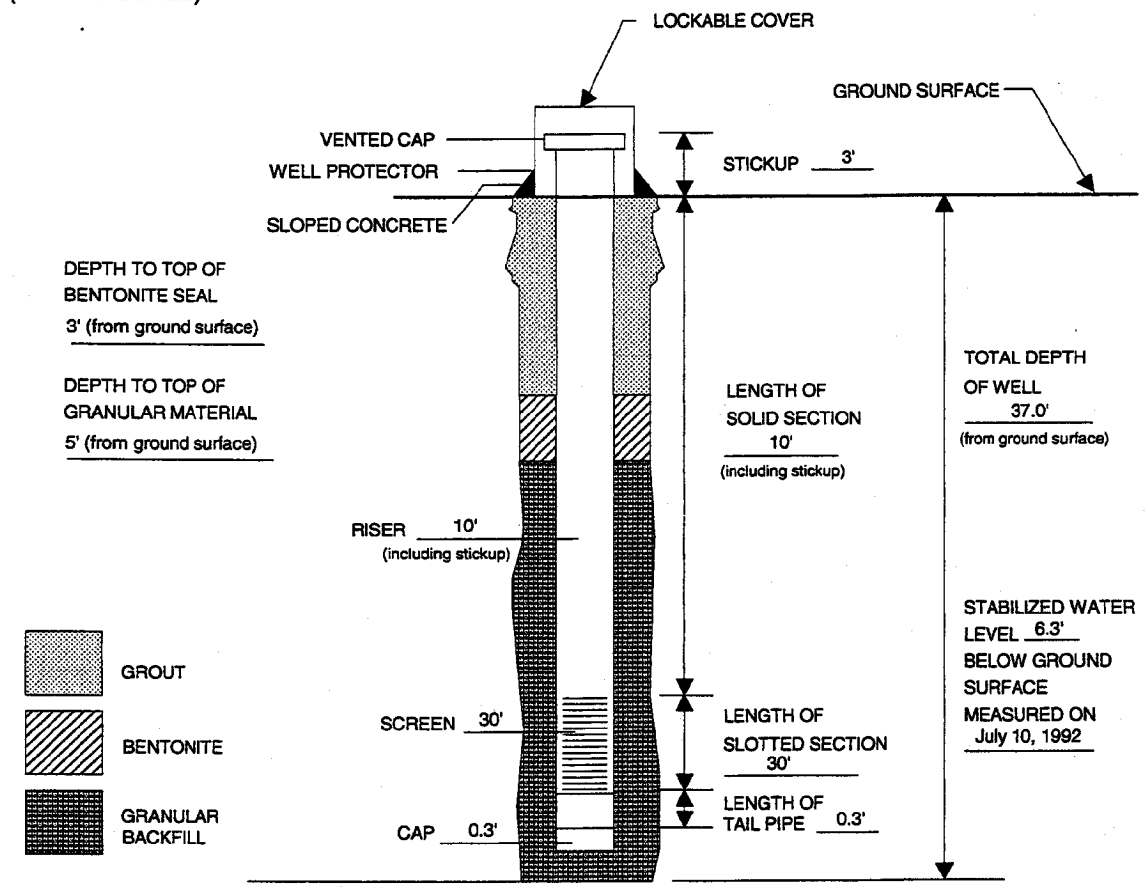
ENG LAB 10/2/90

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	Kingston Fossil Plant		
WELL NUMBER	17	INSTALLATION DATE	July 8, 1992
LOCATION	Tennessee Lambert NAD83	Easting 2410795.25	Northing 578066.65
GROUND SURFACE ELEVATION	762.42' MSL	TOP OF INNER CASING	765.42' MSL
GRANULAR BACKFILL MATERIAL	Sand	SLOT SIZE	0.010 "
CASING MATERIAL	4" SCH 40 PVC	CASING DIAMETER	4" SCH 40 PVC
DRILLING TECHNIQUE	HSA	DRILLING CONTRACTOR	John Voekel, Law Engr.
BOREHOLE DIAMETER	4.25" HSA (ID)	FIELD REPRESENTATIVE	Mel Wagner
LOCKABLE COVER ?	Yes	FILTER CLOTH AROUND SCREEN?	No

COMMENTS The 4.25" HSA was used first with the continuous sampling barrel.
Next, the 6.25" (ID) auger was used to provide room for the sand pack around the screen.

(NOT TO SCALE)



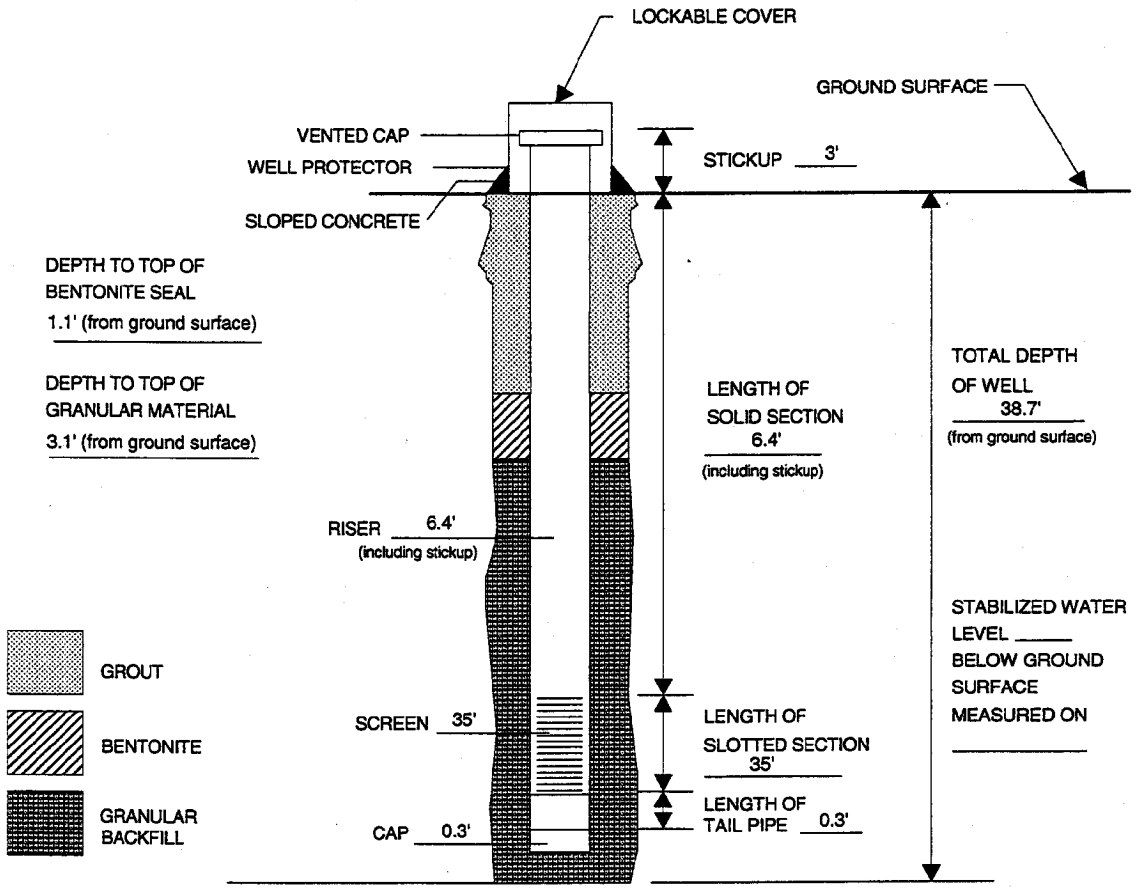
ENG LAB 6/19/95

TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	Kingston Fossil Plant		
WELL NUMBER	18	INSTALLATION DATE	July 10, 1992
LOCATION	Tennessee Lambert NAD83	Easting 2410814.93	Northing 578075.63
GROUND SURFACE ELEVATION	764.32' MSL	TOP OF INNER CASING	767.32' MSL
GRANULAR BACKFILL MATERIAL	Sand	SLOT SIZE	0.010 "
CASING MATERIAL	4" SCH 40 PVC	CASING DIAMETER	4" SCH 40 PVC
DRILLING TECHNIQUE	HSA	DRILLING CONTRACTOR	John Voekel, Law Engr.
BOREHOLE DIAMETER	4.25" HSA (ID)	FIELD REPRESENTATIVE	Mel Wagner
LOCKABLE COVER ?	Yes	FILTER CLOTH AROUND SCREEN?	No

COMMENTS The 4.25" HSA was used first with the continuous sampling barrel.
Next, the 6.25" (ID) auger was used to provide room for the sand pack around the screen.

(NOT TO SCALE)



ENG LAB 6/19/95

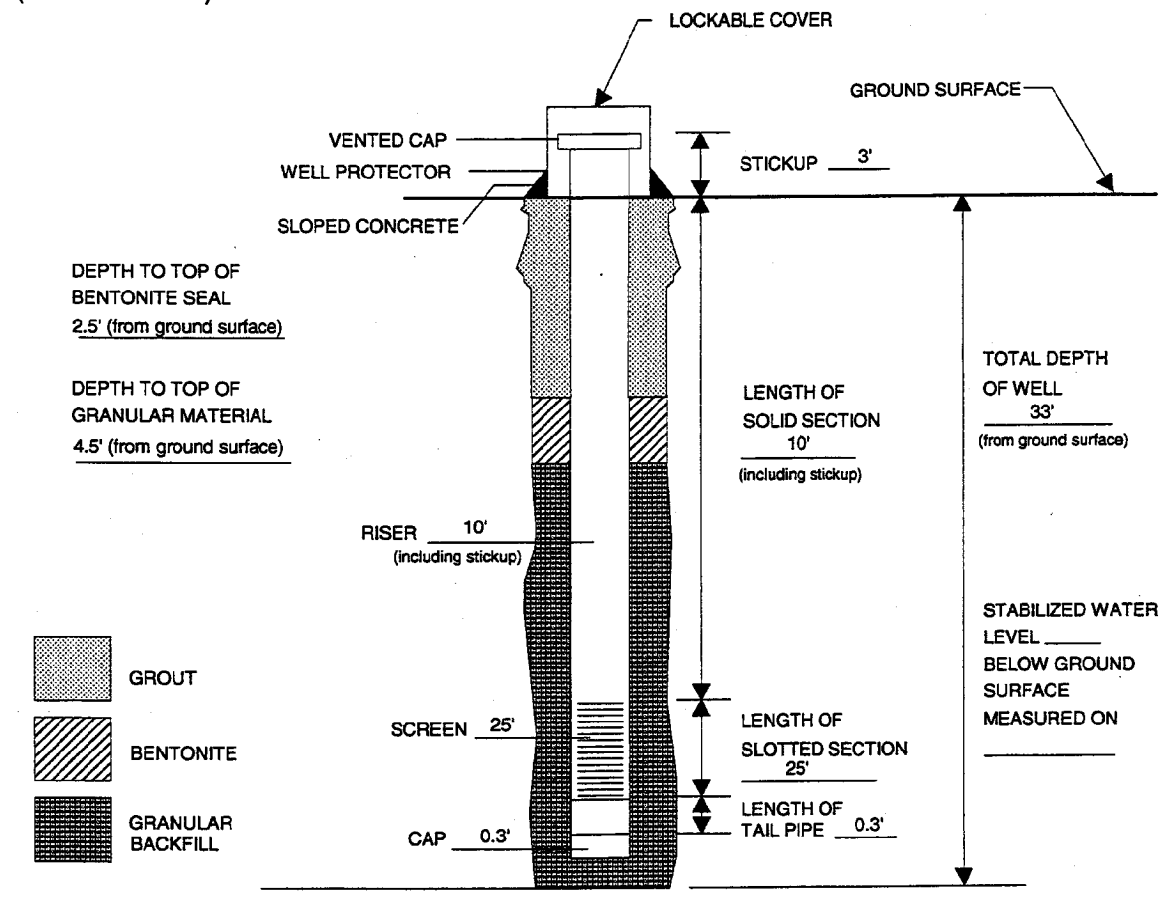
TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	Kingston Fossil Plant		
WELL NUMBER	19	INSTALLATION DATE	July 13, 1992
LOCATION	Tennessee Lambert NAD83	Easting 2410840.11	Northing 578086.78
GROUND SURFACE ELEVATION	763.90' MSL	TOP OF INNER CASING	766.90' MSL
GRANULAR BACKFILL MATERIAL	Sand	SLOT SIZE	0.010 "
CASING MATERIAL	4" SCH 40 PVC	CASING DIAMETER	4" SCH 40 PVC
DRILLING TECHNIQUE	HSA	DRILLING CONTRACTOR	John Voekel, Law Engr.
BOREHOLE DIAMETER	4.25" HSA (ID)	FIELD REPRESENTATIVE	Mel Wagner
LOCKABLE COVER ?	Yes	FILTER CLOTH AROUND SCREEN?	No

COMMENTS: The 4.25" HSA was used first with the continuous sampling barrel.

Next, the 6.25" (ID) auger was used to provide room for the sand pack around the screen.

(NOT TO SCALE)



ENG LAB 6/19/95

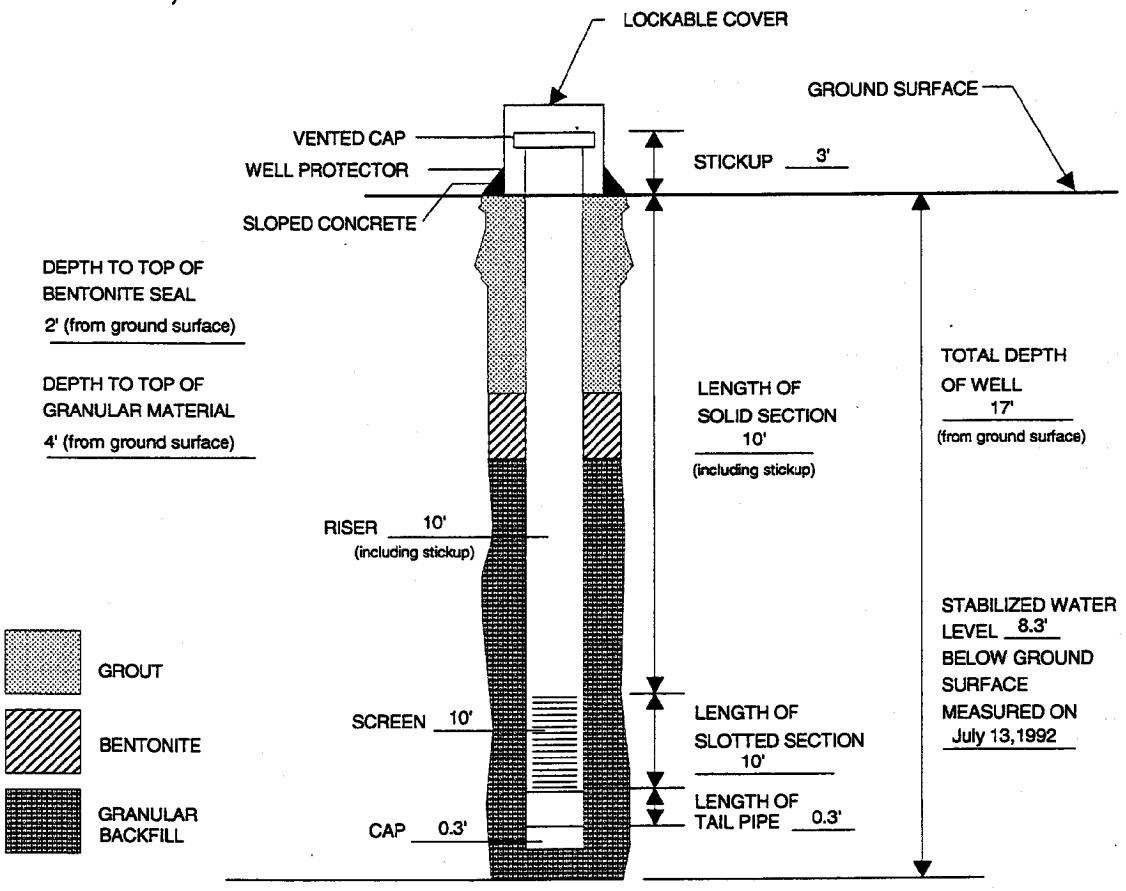
TYPE II MONITORING WELL INSTALLATION RECORD

PROJECT	Kingston Fossil Plant		
WELL NUMBER	20	INSTALLATION DATE	July 10, 1992
LOCATION	Tennessee Lambert NAD 83	Easting 2410890.94	Northing 578108.22
GROUND SURFACE ELEVATION	750.06' MSL	TOP OF INNER CASING	753.06' MSL
GRANULAR BACKFILL MATERIAL	Sand	SLOT SIZE	0.010 "
CASING MATERIAL	4" SCH 40 PVC	CASING DIAMETER	4" SCH 40 PVC
DRILLING TECHNIQUE	HSA	DRILLING CONTRACTOR	John Voekel, Law Engr.
BOREHOLE DIAMETER	4.25" HSA (ID)	FIELD REPRESENTATIVE	Mel Wagner
LOCKABLE COVER ?	Yes	FILTER CLOTH AROUND SCREEN?	No

COMMENTS The 4.25" HSA was used first with the continuous sampling barrel.

The 6.25" HSA was not used because the well was drilled in a clay-filled berm.

(NOT TO SCALE)



ENG LAB 6/19/95

MONITORING WELL INSTALLATION RECORD

PROJECT Kingston Fossil Plant

WELL NUMBER KIF-22 | INSTALLATION DATE July 10, 2002

TOP OF INNER CASING 756.2 ft-msl | CASING MATERIAL PVC Sch 80

DRILLING TECHNIQUE Hollow-Stem Auger | BOREHOLE DIAMETER 8 1/4 in.

DRILLED BY Lynn England | LOGGED BY Jim Overton

COMMENTS Filter sand was placed into the annulus from the bottom up with a sand injector. Soil descriptions were taken from split spoon sampler. Well completed with 4 inch by 4 inch by 5 foot lockable steel well protector and a 4 foot diameter concrete pad. Four steel bollards were placed around the concrete pad.

(NOT TO SCALE)