



An employee-owned company

Dept. of Environmental Protection

July 12, 2007

JUL 16 2007

Mr. John Morris, P.G.
Solid Waste Section
Florida Department of Environmental Protection
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Southwest District

**Re: Notification of Monitoring Well Abandonment and Installation Activities
Central County Solid Waste Disposal Complex
Sarasota County, Florida
Operating Permit #130542-002-SO**

Dear Mr. Morris:

On behalf of the Sarasota County Solid Waste Operations Department, PBS&J would like to notify you and the FDEP that the monitoring wells in the groundwater monitoring network at the facility referenced above have been abandoned and installed in accordance with Specific Condition Nos. 5 and 6 of the facility's permit.

Well installation and abandonment were performed by Professional Service Industries (PSI) under the direction and supervision of PBS&J personnel. Monitoring wells MW-8, MW-11, and MW-12 were abandoned in November 2005, and wells MW-1, MW-2, and MW-4 were abandoned in May 2007. The well abandonment reports are provided in Attachment A.

Monitoring wells MW-8A, MW-11R, and MW-12R were installed in November 2005, and well MW-1R was installed in June 2007. The construction diagrams for the new wells are provided in Attachment B.

The new wells were surveyed by PBS&J in June 2007. The survey data is presented in Attachment C.

PBS&J and Sarasota County appreciate your consideration in this matter. If you have any questions, please feel free to contact me at 407-806-4339.

Very truly yours,

P. Greg Mudd, P.G.
Senior Geologist

C: Mr. Frank Coggins, Sarasota County Solid Waste Operations (x2)
Mr. Chris Sharek, PBS&J
File, 120544.14 0100

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Dept. of Environmental
Protection

JUL 16 2007

Southwest District

ATTACHMENT A

Well Abandonment Reports

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # 728664.06 CURV # _____ DID # _____
 If permit is for multiple wells, indicate the number of wells drilled 3
 Indicate remaining wells to be cancelled 3 MW-11, MW-12
 WATER WELL CONTRACTOR'S SIGNATURE [Signature] License # 9368

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	1	1	15
Bentonite:			

WELL LOCATION: County SARASOTA
 NE 1/4 of NE 1/4 of Section 26 Twp: 37 Rge: 19

Latitude _____ Longitude _____

DATE STAMP _____ Sketch of well location on property _____

Official Use Only

CHEMICAL ANALYSIS WHEN REQUIRED
 Iron: _____ ppm Sulfate: _____ ppm
 Chlorides: _____ ppm
 Lab Test Field Test Kit
 Pump Type
 Centrifugal Jet Submersible Turbine
 Horsepower _____ Capacity _____ G.P.M. _____
 Pump Depth _____ Ft. Intake Depth _____ Ft.

Form 41.10-410(2) Rev 8/96.

OWNER'S NAME CENTRAL COUNTY SOLID WASTE
 COMPLETION DATE 11-15-5 Florida Unique I.D. V05-3250
 WELL USE: DEP/Public Irrigation _____ Domestic _____
 Monitor HRS Limited _____ 62-524 _____ Other _____
 DRILL METHOD Rotary Cable Tool Combination
 Jet Auger Other _____

Measured Static Water Level _____	Measured Pumping Water Level _____
After _____ Hours at _____ G.P.M. Measuring Pt. (Describe): _____	
Which is _____ Ft. <input type="checkbox"/> Above <input type="checkbox"/> Below Land Surface	
Casing: <input type="checkbox"/> Black Steel <input type="checkbox"/> Galv. <input type="checkbox"/> PVC Other _____	
<input type="checkbox"/> Open Hole <input type="checkbox"/> Screen	Depth (Ft.)
DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones. Color Grain Size Type of Material	
Casing Diameter & Depth (Ft.)	From To
Diameter _____	
From _____	
To _____	
Diameter _____	
From _____	
To _____	
Liner <input type="checkbox"/> or Casing <input type="checkbox"/>	
Diameter _____	
From _____	
To _____	

Driller's Name: DAVE TRNAUSKY 9218
 (print or type)

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # 228858.06 CURV # _____ DID # _____
 If permit is for multiple wells, indicate the number of wells drilled 3
 Indicate remaining wells to be cancelled 3
 WATER WELL CONTRACTOR'S SIGNATURE [Signature] License # 9368

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:		0	2
Bentonite:			

WELL LOCATION: County SARASOTA
 SE 1/4 of SE 1/4 of Section 20 Twp: 37 Rge: 19

Latitude _____ Longitude _____

DATE STAMP _____ Sketch of well location on property _____

Official Use Only

CHEMICAL ANALYSIS WHEN REQUIRED
 Iron: _____ ppm Sulfate: _____ ppm
 Chlorides: _____ ppm
 Lab Test Field Test Kit
 Pump Type
 Centrifugal Jet Submersible Turbine
 Horsepower _____ Capacity _____ G.P.M. _____
 Pump Depth _____ Ft. Intake Depth _____ Ft.

Form 41.10-410(2) Rev 8/96.

OWNER'S NAME CENTRAL COUNTY SOLID WASTE
 COMPLETION DATE 12-12-5 Florida Unique I.D. V05-3250
 WELL USE: DEP/Public Irrigation _____ Domestic _____
 Monitor HRS Limited _____ 62-524 _____ Other _____
 DRILL METHOD Rotary Cable Tool Combination
 Jet Auger Other _____

Measured Static Water Level <u>7</u>	Measured Pumping Water Level _____
After _____ Hours at _____ G.P.M. Measuring Pt. (Describe): _____	
Which is <u>7</u> Ft. <input type="checkbox"/> Above <input checked="" type="checkbox"/> Below Land Surface	
Casing: <input type="checkbox"/> Black Steel <input type="checkbox"/> Galv. <input checked="" type="checkbox"/> PVC Other _____	
<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Screen	Depth (Ft.)
DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones. Color Grain Size Type of Material	
Casing Diameter & Depth (Ft.)	From To
Diameter <u>2"</u>	
From <u>0</u>	
To <u>2</u>	
Diameter <u>2"</u>	
From <u>3</u>	
To <u>13</u>	
Liner <input type="checkbox"/> or Casing <input type="checkbox"/>	
Diameter _____	
From _____	
To _____	

Driller's Name: _____
 (print or type)

WELL COMPLETION REPORT (Please complete in black ink or type.)

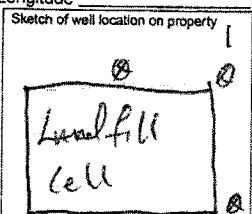
PERMIT # 761088 CUP# _____ WUP# _____ DID # _____
 If permit is for multiple wells, indicate the number of wells drilled 3
 Indicate remaining wells to be cancelled MW-1, MW-2, MW-4
 WATER WELL CONTRACTOR'S SIGNATURE [Signature] License # 9226

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	<u>1.5</u>	<u>0</u>	<u>15</u>
Bentonite:			

WELL LOCATION: County Sarasota
 1/4 of _____ 1/4 of Section 2 Twp: 78 Rge: 19
 Latitude _____ Longitude _____

DATE STAMP
 Official Use Only



CHEMICAL ANALYSIS WHEN REQUIRED
 Iron: _____ ppm Sulfate: _____ ppm
 Chlorides: _____ ppm
 Lab Test Field Test Kit
 Pump Type
 Centrifugal Jet Submersible Turbine
 Horsepower _____ Capacity _____ G.P.M.
 Pump Depth _____ Ft. Intake Depth _____ Ft.

OWNER'S NAME Sarasota Co.
 COMPLETION DATE 5/23/07 Florida Unique I.D. _____
 WELL USE: DEP/Public _____ Irrigation _____ Domestic _____
 Monitor _____ HRS Limited _____ 62-524 _____ Other _____
 DRILL METHOD Rotary Cable Tool Combination
 Jet Auger Other _____

Measured Static Water Level _____	Measured Pumping Water Level _____	
After _____ Hours at _____ G.P.M. Measuring Pt. (Describe): _____		
Which is _____ Ft. <input type="checkbox"/> Above <input type="checkbox"/> Below Land Surface		
Casing: <input type="checkbox"/> Black Steel <input type="checkbox"/> Galv. <input type="checkbox"/> PVC Other _____		
<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Screen	Depth (Ft.)	DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones. Color Grain Size Type of Material
Casing Diameter & Depth (Ft.)	From To	
Diameter _____		
From _____		
To _____		
Diameter _____		
From _____		
To _____		
Liner <input type="checkbox"/> or Casing <input type="checkbox"/>		
Diameter _____		
From _____		
To _____		

Driller's Name: Dave T.
 (print or type)

WELL COMPLETION REPORT (Please complete in black ink or type.)

PERMIT # 761072 CUP# _____ WUP# _____ DID # _____
 If permit is for multiple wells, indicate the number of wells drilled _____
 Indicate remaining wells to be cancelled _____
 WATER WELL CONTRACTOR'S SIGNATURE [Signature] License # 9226

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (Ft.)	To (Ft.)
Neat Cement:	<u>.5</u>	<u>0</u>	<u>2</u>
Bentonite:			

WELL LOCATION: County Sarasota Co.
 1/4 of _____ 1/4 of Section 2 Twp: 78 Rge: 19
 Latitude _____ Longitude _____

DATE STAMP
 Official Use Only



CHEMICAL ANALYSIS WHEN REQUIRED
 Iron: _____ ppm Sulfate: _____ ppm
 Chlorides: _____ ppm
 Lab Test Field Test Kit
 Pump Type
 Centrifugal Jet Submersible Turbine
 Horsepower _____ Capacity _____ G.P.M.
 Pump Depth _____ Ft. Intake Depth _____ Ft.

OWNER'S NAME Sarasota Co.
 COMPLETION DATE 5/23/07 Florida Unique I.D. _____
 WELL USE: DEP/Public _____ Irrigation _____ Domestic _____
 Monitor _____ HRS Limited _____ 62-524 _____ Other _____
 DRILL METHOD Rotary Cable Tool Combination
 Jet Auger Other _____

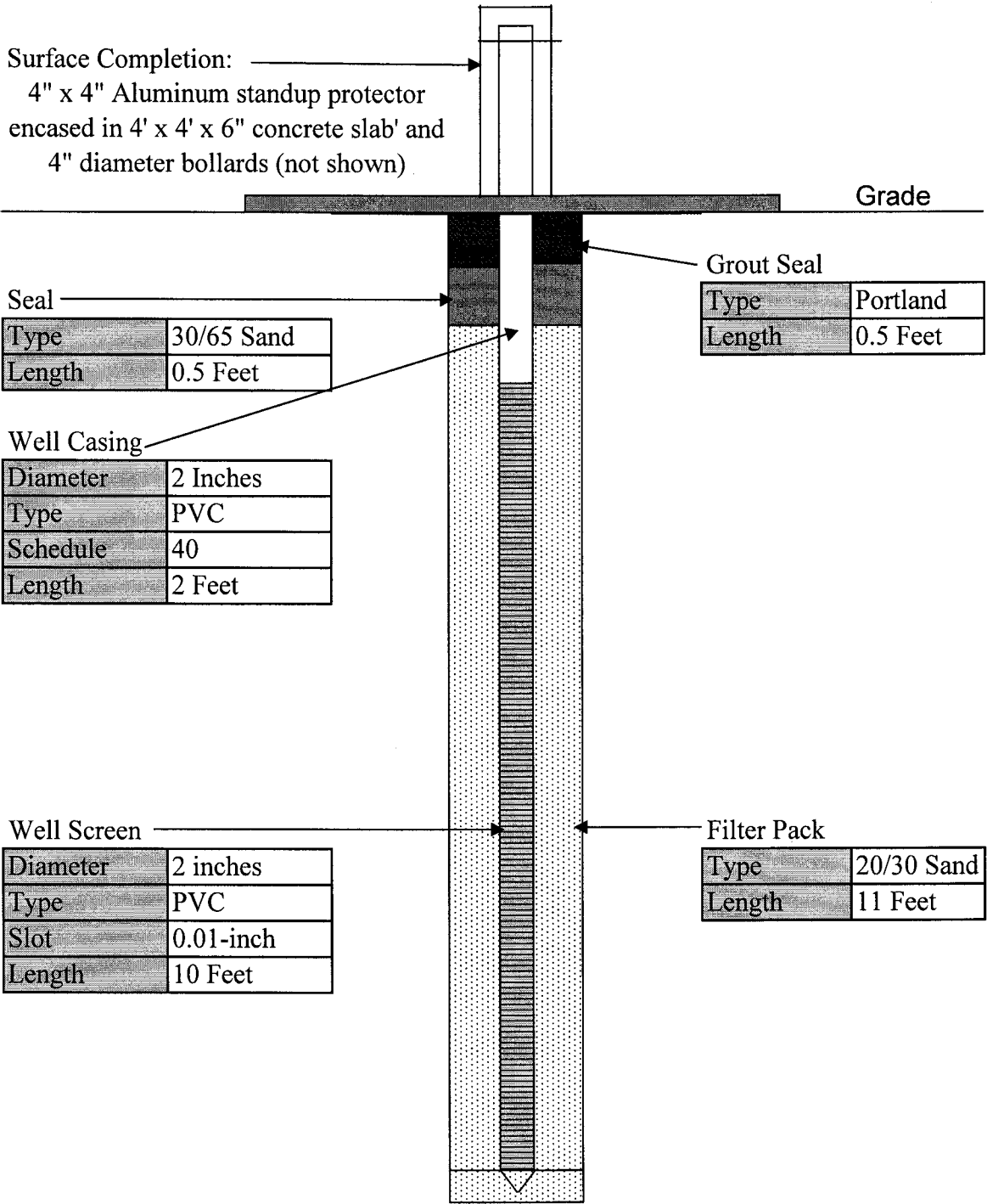
Measured Static Water Level _____	Measured Pumping Water Level _____	
After _____ Hours at _____ G.P.M. Measuring Pt. (Describe): _____		
Which is _____ Ft. <input type="checkbox"/> Above <input type="checkbox"/> Below Land Surface		
Casing: <input type="checkbox"/> Black Steel <input type="checkbox"/> Galv. <input type="checkbox"/> PVC Other _____		
<input checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Screen	Depth (Ft.)	DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones. Color Grain Size Type of Material
Casing Diameter & Depth (Ft.)	From To	
Diameter <u>2"</u>	<u>0</u> <u>6</u>	<u>TR Seal</u>
From <u>0"</u>		
To <u>5'</u>	<u>6</u> <u>15</u>	<u>LF Seal</u>
Diameter <u>2"</u>		
From <u>5'</u>		
To <u>15'</u>		
Liner <input type="checkbox"/> or Casing <input type="checkbox"/>		
Diameter _____		
From _____		
To _____		

Driller's Name: Dave T.
 (print or type)

ATTACHMENT B
Well Construction Diagrams

MONITORING WELL CONSTRUCTION DIAGRAM

Site: Central County SW Disposal Complex
 Well Identifier: Monitoring Well MW-1R
 Drilling Method: Hollow-Stem Auger
 Borehole Diameter: 8 Inches
 Total Depth: 12 feet below land surface



Surface Completion: 4" x 4" Aluminum standup protector
 encased in 4' x 4' x 6" concrete slab and
 4" diameter bollards (not shown)

Seal

Type	30/65 Sand
Length	0.5 Feet

Grout Seal

Type	Portland
Length	0.5 Feet

Well Casing

Diameter	2 Inches
Type	PVC
Schedule	40
Length	2 Feet

Well Screen

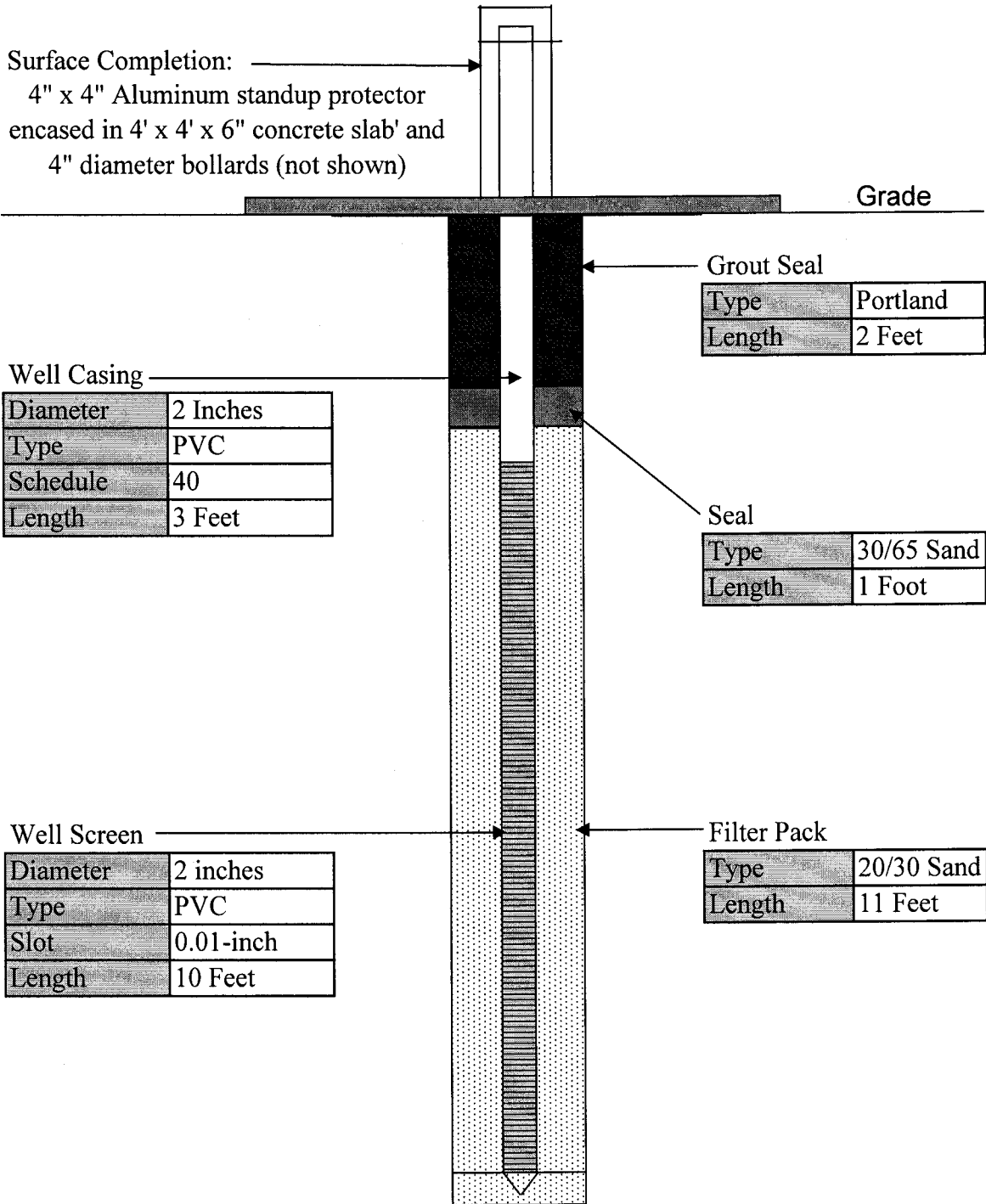
Diameter	2 inches
Type	PVC
Slot	0.01-inch
Length	10 Feet

Filter Pack

Type	20/30 Sand
Length	11 Feet

MONITORING WELL CONSTRUCTION DIAGRAM

Site: Central County SW Disposal Complex
 Well Identifier: Monitoring Well MW-8A
 Drilling Method: Hollow-Stem Auger
 Borehole Diameter: 8 Inches
 Total Depth: 12 feet below land surface



Surface Completion:
 4" x 4" Aluminum standup protector
 encased in 4' x 4' x 6" concrete slab' and
 4" diameter bollards (not shown)

Well Casing

Diameter	2 Inches
Type	PVC
Schedule	40
Length	3 Feet

Grout Seal

Type	Portland
Length	2 Feet

Seal

Type	30/65 Sand
Length	1 Foot

Well Screen

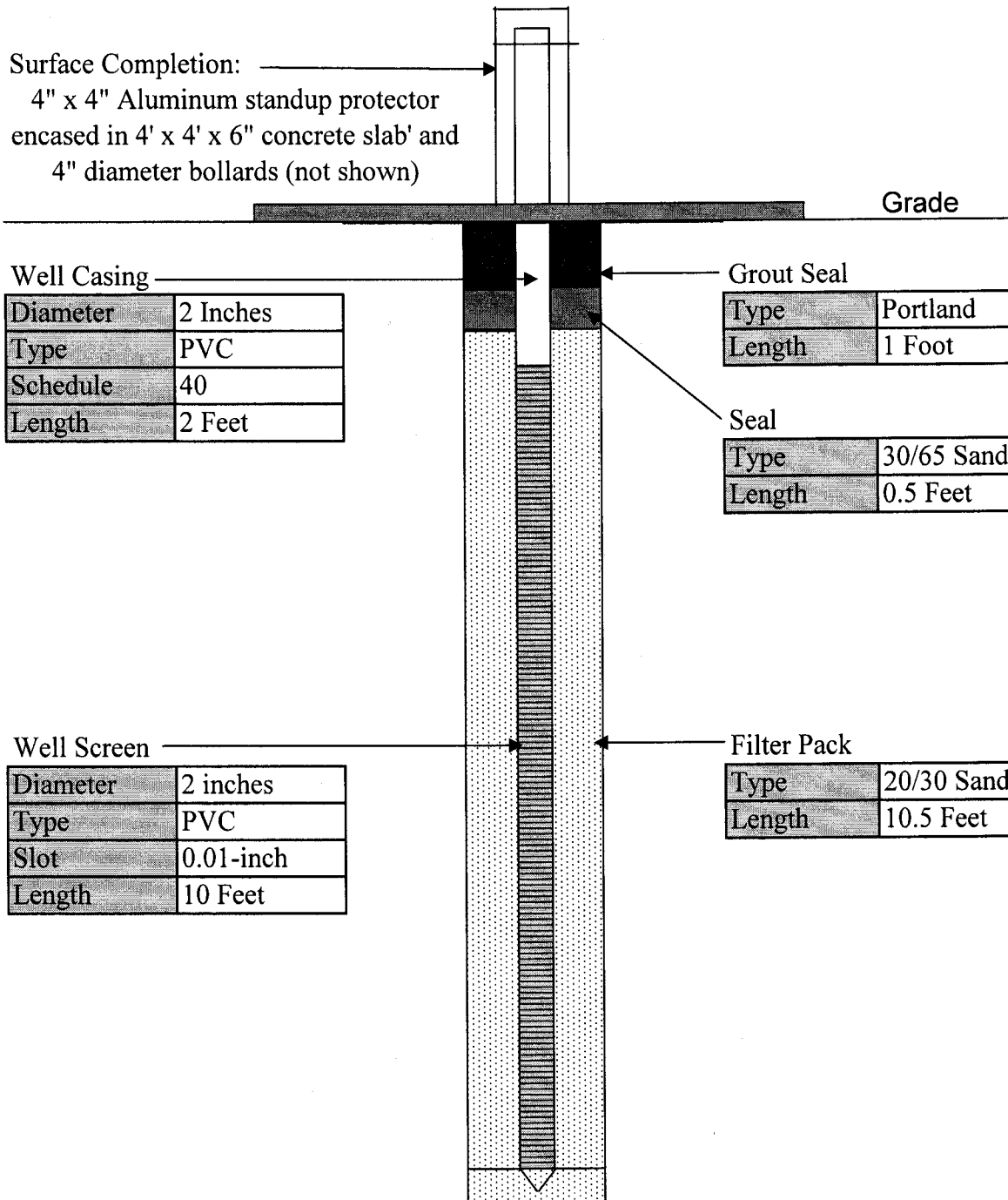
Diameter	2 inches
Type	PVC
Slot	0.01-inch
Length	10 Feet

Filter Pack

Type	20/30 Sand
Length	11 Feet

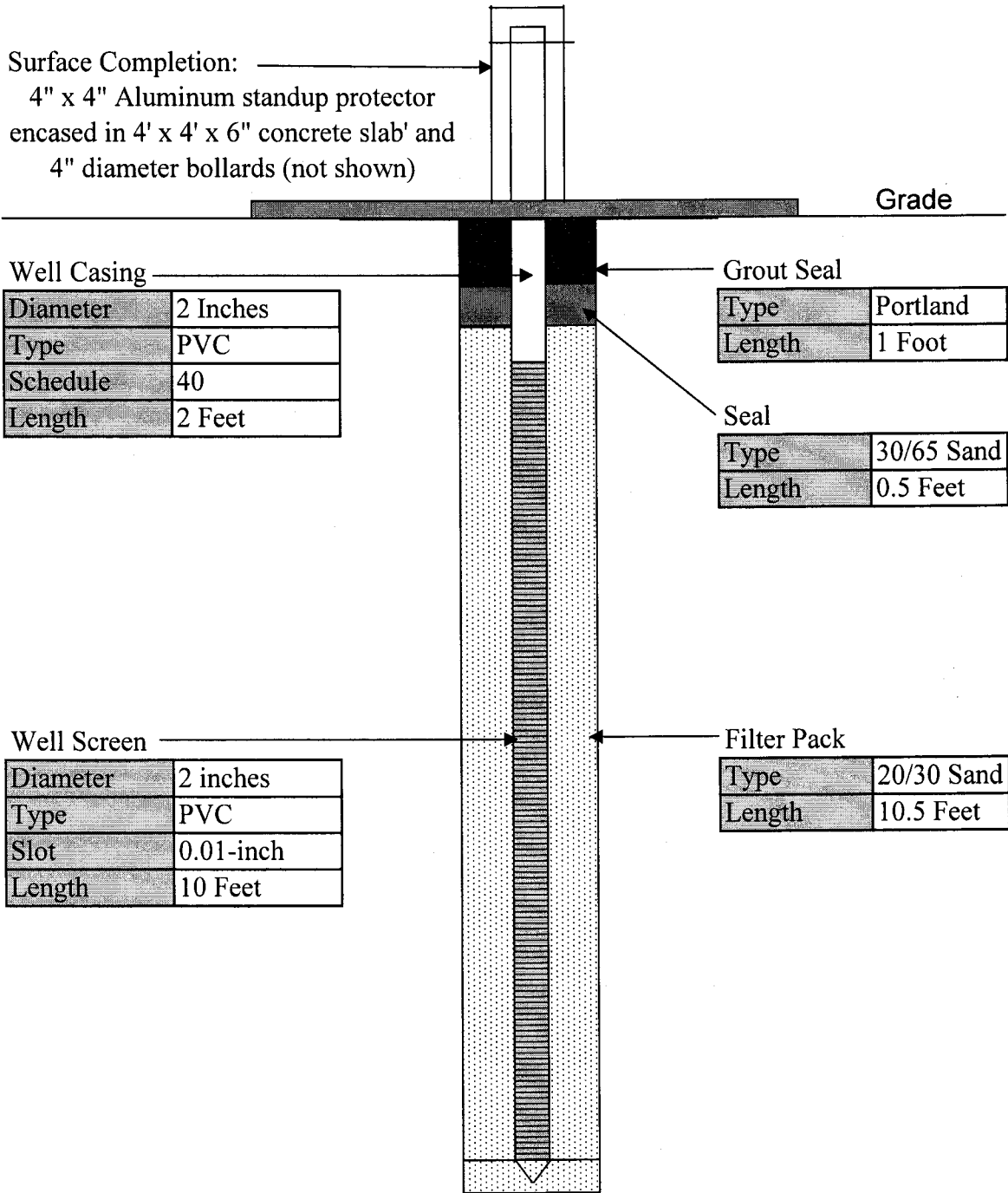
MONITORING WELL CONSTRUCTION DIAGRAM

Site:	Central County SW Disposal Complex
Well Identifier:	Monitoring Well MW-11R
Drilling Method:	Hollow-Stem Auger
Borehole Diameter:	8 Inches
Total Depth:	12 feet below land surface



MONITORING WELL CONSTRUCTION DIAGRAM

Site:	Central County SW Disposal Complex
Well Identifier:	Monitoring Well MW-12R
Drilling Method:	Hollow-Stem Auger
Borehole Diameter:	8 Inches
Total Depth:	12 feet below land surface



ATTACHMENT C

Well Survey Data

Sarasota Central County Landfill

Horizontal Datum: Florida State Plane NAD83(90)

Vertical Datum: NGVD 29

Name	Northing	Easting	Top of Rim (Casing)	Top of Pipe 2" PVC	SW Corner Concrete
MW11R	1042981.0334	529111.4238	25.94	25.80	23.59
MW12R	1043470.4937	529109.1173	26.66	26.20	23.46
MW1R	1044062.9815	531245.5544	24.90	25.17	21.43
MW8A	1042388.3413	530462.2349	28.60	28.72	25.65