FLORIDA	Twin Towers Office Bldg	ment of Environ .•2600 Blair Stone Road	• Tallahasse	Effective Date DEP Application No Protection e, FL 32399-2400	nee <u>Cost Estimate Form</u> 270H Environmental Protection SEP 0 1 2009 Southwest District
Date: September 1, 2	2009	Date of FDE	> Approval		
I. GENERAL INFORMAT	ION:				
Facility Name: Hardee Permit / Application No.: Facility Address: Permittee: Hardee County Mailing Address:	e County Landfill <u>38414-011-SO/</u> 685 Airport Road, Wau Solid Waste Departmer 685 Airport Road, Wau	01 Expir chula, FL 33873 tt		SWD/25/40 <u>61</u> 2 May 12, 2013	
Latitude: 27 <sup>0</sup> 34'17" N	l ongitude:	81 <sup>0</sup> 46'58" W	or	UTM:	
Solid Waste Disposal Un Phase / Cell Phase I Phase II Section I	Acres	Date Unit Began Accepting Waste 1983 2008		Design Life of Unit From Date of Initial Receipt of Waste 24 5	
Total Landfill Acreage inclu		18.6	Closure		Long-Term Care
Type of Landfill:	X_Class I		_Class III		C&D Debris
II. TYPE OF FINANCIAL	ASSURANCE DOCUME	NT (Check Type)			
Letter of Credit		Insurance Certif	cate		licates nisms that
Performance Bond *		X Escrow Account		require use of a Standby Trust Fund	
Guaranty Bond	l* -	Trust Fund Agre	ement	•	eement
160 Governmental Center 7825 Bay	meadows Way, Ste. B200 3319 Ma phylille, FL 32256-7590 Orlan	lguire Blvd., Ste 232 3804 Co do, Ft. 32803-3767 Tampa	west District conut Palm Dr. a, FL 33619 744-6100	South District 2295 Victoria Ave , Ste. Fort Myers, FL 33901-3 941-332-6975	

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#### ESTIMATE ADJUSTMENT III.

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40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select on of the methods of cost estimate adjustment below.

#### (a) Inflation Factor Adjustment

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850)-488-0300.

Latest Department Approved	Current Year	cost estimate dated:
Latest Department Approved Closure Cost Estimate:	Inflation Factor	Closure Cost Estimate:
x		=
This adjustment is based on the	Department approved long-term care	cost estimate dated:
		Inflation Adjusted
Latest Department Approved	Current Year	
Latest Department Approved	· · · ·	Inflation Adjusted
Latest Department Approved Annual Long-Term Care Cost	Current Year	Inflation Adjusted Annual Long-Term Care
Latest Department Approved Annual Long-Term Care Cost Estimate:	Current Year	Inflation Adjusted Annual Long-Term Care

#### X (b) Recalculate Estimates (see section V)

#### **CERTIFICATION BY ENGINEER** IV.

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the cost Estimates are a ture, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.

Signature of Epgineer

Signature of Owner/Operator

Teresa Carver, Solid Waste Director Name & Title (please type)

SCS Engineers 4041 Park Oaks Blvd., Suite 100 Tampa, Florida 33610 Mailing Address

Name & Title (please type)

Shane R. Fischer, P.E., Project Manager

Florida Registration Number (affix seal)

813-621-0080 **Telephone Number** 

58026

DEP FORM 62-701.900(28) Effective 5-27-01

4

(863)773-5089 Telephone Number

#### V. RECALCULATE ESTIMATED CLOSING COST

For the time period in the landfill operation when the extent and manner of its operation makes closing most expensive.

# \*\* Third Party Estimate / Quote must be provided for each item \*\* Costs must be for a third party providing all material and labor

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
1. Proposed Monitoring Wells (Do not	include wells a	already in existe	nce.)	
	EA	0.00	0.00	\$0.00
			Subtotal Monitoring Wells:	\$0.00
2. Slope and Fill (Bedding Layer Betw	een Waste and	d Barrier Layer)		
Excavation	CY	0	0.00	\$0.00
Placement and Spreading	CY	29,922	1.11	\$33,213.42
Compaction	CY	29,922	0.64	\$19,150.08
Off-Site Material	CY	29,922	3.42	<u>\$102,</u> 333.24
Delivery	CY	29,922	3.50	\$104,727.00
			Subtotal Slope and Fill:	\$259,423.75
3. Cover Material (Barrier Layer)				
Off-Site Clay	CY	0.00	0.00	\$0.00
Synthetics - 40 mil	SY	56,254	3.83	\$215,171.55
Synthetics - GCL	SY	1,294	5.40	\$6,987.60
Synthetics - Geonet	SY	91,449	5.13	\$469,133.51
Biplanar Geocomposite Synthetics - Other	SY	35,195	4.49	\$158,060.75
60-mil			Subtotal Barrier Layer Cover:	\$849,353.41
4. Top Soil Cover				
Off-Site Material	CY	60,966	9.72	\$592,589.58
Delivery	CY	0.00	0.00	\$0.00
Spread and Compact	CY	0.00	0.00	\$0.00
			Subtotal Top Soil Cover:	\$592,589.58

DESCRI	PTION	UNIT	QUANTITY	UNIT COST	TOTAL
5. Veget	ative Layer				
	Sodding	SY	91,450	2.16	\$197,532.00
	Hydroseeding	AC	0.00	0.00	\$0.00
	Fertilizer	AC	0.00	0.00	\$0.00
	Mulch	AC	0.00	0.00	\$0.00
	Other	SY	0.00	0.00	\$0.00
				Subtotal Vegetative Layer:	\$197,532.00
6. Storm	water Control System				
	Earthwork	CY	3,160	14.75	\$46,610.00
	Erosion Control	SF	0	0.00	\$0.00
	Piping	LS	1.00	28,432.27	\$28,432.27
	Ditches	LS	0.00	0.00	\$0.00
	FDOT Structures	EA	4.00	2,987.25	\$11,949.00
	Other	LS	1.00	14,796.48	\$14,796.48
				Subtotal Stormwater Controls:	\$101,787.75
7. Gas C	controls: Passive				
	Wells	VF	693	114.75	\$79,521.75
	Horizontal Collectors	LF	3603	39.25	\$141,417.75
	Monitoring Probes	EA	0.00	0.00	\$0.00
	NSPS/Title V requirements	LS	0.00	0.00	\$0.00

Subtotal Passive Gas Control: \$220,939.50

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
8. Gas Control: Active Extraction				
Traps	EA	0.00	0.00	\$0.00
Sump	EA	0.00	0.00	\$0.00
Flare Assembly	EA	0.00	0.00	\$0.00
Flame Arrestor	EA	0.00	0.00	\$0.00
Mist Eliminator	EA	0.00	0.00	\$0.00
Flow Meter	EA	0.00	0.00	\$0.00
Blowers	EA	0.00	0.00	\$0.00
Collection System	LF	0.00	0.00	\$0.00
Other (describe)		0.00	0.00	\$0.00
		Sub	total Active Gas Extraction:	\$0.00
9. Security System				
Fencing	LF	0.00	0.00	\$0.00
Gate(s)	EA	0.00	0.00	\$0.00
Sign(s)	EA	0.00	0.00	\$0.00
			Subtotal Security System:	\$0.00
10. Engineering (Includes separate closure activi Closure Plan report	ties for Phase LS	l and Phase I 1.00	l Section I) 267,542.00	\$267,542.00
Certified Engineer	LS	0.00	0.00	\$0.00
NSPS/Title V Air Permit	LS	0.00	0.00	\$0.00
Final Survey	LS	1.00	21,952.00	\$21,952.00
Certification of Closure	LS	1.00	37,122.00	\$37,122.00
Other (detail) (Bidding Services)	_LS_	1.00	33,802.00	\$33,802.00

Subtotal Engineering: \$360,418.00

#### 11. Professional Services

(Includes separate closure activities for Phase I and Phase II Section I)

.

	Contract Management		Quality A	ssurance	
-	Hours	LS	Hours	LS	TOTAL
P.E. Supervisor _	548	83,120.64	252	36,880.20	\$120,000.84
On-Site Engineer _	1200	105,600.00	0	0.00	\$105,600.00
Office Engineer	478	44,195.88	170	19,150.50	\$63,346.38
On-Site Technician	0	0.00	1200	105,600.00	\$105,600.00
Administrative	80	4,400.00	40	2,200.00	\$6,600.00
Reimbursables	1	5,534.00	1	104,348.00	\$109,882.00
ESCRIPTION		UNIT	QUANTITY	UNIT COST	TOTAL
Quality Assurance Te	sting/Labor	LS	1	46,500.00	\$46,500.00

Subtotal Professional Services: \$557,529.22

#### Subtotal of 1-11 Above: \$3,139,573.21

12. Contingency

% of Total: 1<u>0%</u>

Closing Cost Subtotal: \$3,453,530.53

#### 13. Site Specific Costs (explain)

Waste Tire Facility	\$1,200.00
Materials Recovery Facility	\$16,300.00
Household Hazardous Wastes	\$12,100.00
Other	\$0.00

Subtotal Site Specific Costs: \$29,600.00

TOTAL CLOSING COSTS: \$3,483,130.53

# VI. ANNUAL COST FOR LONG-TERM CARE (Check Term Length)

\_\_\_\_\_ 5 years \_\_\_\_\_ 20 years \_\_\_\_\_ 30 years \_\_\_\_\_ Other

See 62-701.600(1)a.1., 62-701.620(1), 62-701.630(3)a. and 62-701.730(11)b. F.A.C. for required term length. For landfills certified closed and Department accepted, enter the remaining long-term care length as "Other" and provide years remaining.

#### \*\* Third Party Estimate / Quote must be provided for each item \*\* Costs must be for a third party providing all material and labor

All items must be addressed. Attach a detailed explanation for all items marked not applicable (N/A).

DESCRIPTION	Sampling Frequency (events/yr.)	Number of Wells	\$/Well/Event	\$ / Year
1. Groundwater Monitoring	g (62-701.510(6), and (8)	(a))		
Monthly	12	0	0.00	\$0.00
Quarterly	4	0	0.00	\$0.00
Semi-Annual	2	8	760.75	\$12,172.00
Annual	1	0	0.00	\$0.00
		Subtotal Ground	water Monitoring:	\$12,172.00
2. Surface Water Monitori	ng (62-701.510(4), and (8	3)(b))		
Monthly	12	0	0.00	\$0.00
Quarterly	4	0	0.00	\$0.00
Semi-Annual	2	1	61 <u>9.00</u>	\$1,238.00
Annual	1	0	0.00	\$0.00
		Subtotal Surface \	Nater Monitoring:	\$1,238.00
3. Gas Monitoring				
Monthly	12	0	0.00	\$0.00
Quarterly	4	11	91.36	\$4,020.00
Semi-Annual	2	0	0.00	\$0.00
Annual	1	0	0.00	\$0.00
		Subtota	I Gas Monitoring:	\$4,020.00

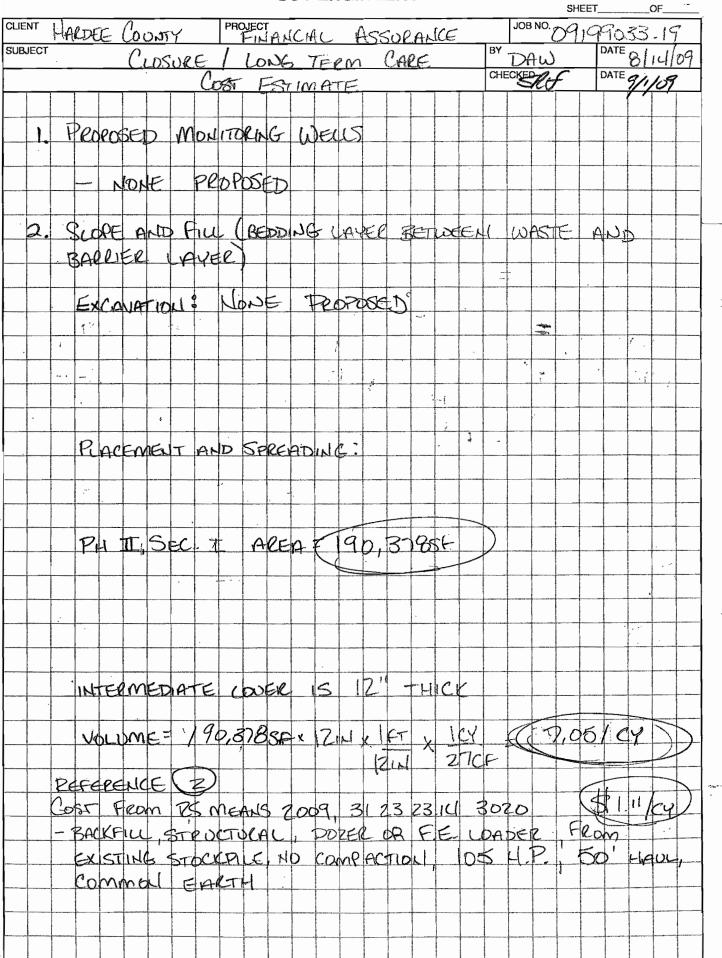
DESCRIPTION	Sampling Frequency (events/yr.)	Number of Wells	\$/Well/Event	\$ / Year
4. Leachate Monitoring (62-70	1.510(5), (6)(b) and 62	2-701.510(8)(c))		
Monthly	12	0	0.00	\$0.00
Quarterly	4	0	0.00	\$0.00
Semi-Annual	2	0	0.00	\$0.00
Annual	1	1	967.00	\$967.00
Other	0	0	0.00	\$0.00
		Subtotal Lea	chate Monitoring:	\$967.00
DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
Collection Pipes	LF	0	0.00	\$0.00
5. Leachate Collection/Treatm Maintenance				
Sumps, Traps	EA	0	0.00	\$0.00
Lift Stations	EA	2	627.30	\$1,254.60
Cleaning	LS	0.2	32,695.00	\$6,539.00
(Lines and manholes) Tanks	EA	2	2,352.38	\$4,704.76
mpoundments				\$10,455
Liner Repair	SY	0	0.00	\$0.00
Sludge Removal	CY	0	0.00	\$0.00
Aeration Systems	CY	0	0.00	\$0.00
Floating Aerators	EA	0	0.00	\$0.00
Spray Aerators	EA	0	0.00	\$0.00
Disposal				
Off-site Include Transportation and Dis	LS sposal)	1	134,200.00	\$134,200.00

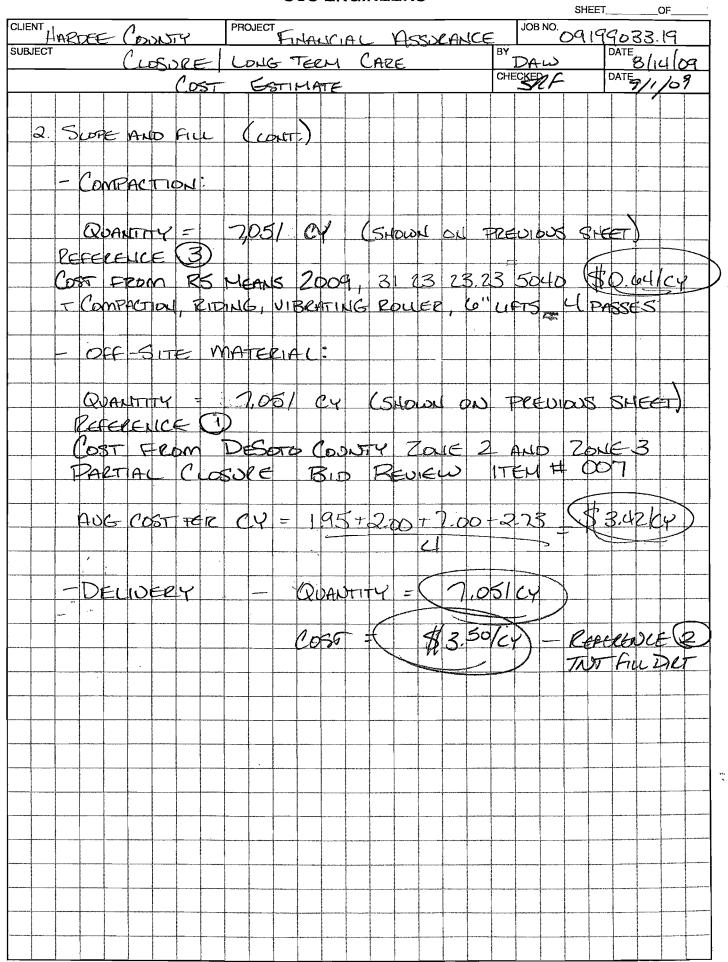
6. Leachate Collection/Treatment Systems Operation

Operation		Hours	\$/Hour	Total
P.E. Supervisor	HR	0	0.00	\$0.00
On-Site Engineer	HR	0	0.00	\$0.00
Office Engineer	HR	0	0.00	\$0.00
On-site Technician	LS	0	0.00	\$0.00
Materials	LS	0	0.00	\$0.00
Subtotal Le	achate Collection/Treatm	nent System Maintena	nce & Operation:	\$157,153.36
7. Maintenance of Groundwat	er Monitoring Wells			
Monitoring Wells	LS	1	348.00	\$348.00
Replacement	EA	0.2	2,612.00	\$522.40
Abandonment	EA	0	0.00	\$0.00
	Subtotal Grou	ndwater Monitoring W	ell Maintenance:	\$870.40
DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
8. Gas System Maintenance				
Piping, Vents	LF	0	0.00	\$0.00
Blowers	EA	0	0.00	\$0.00
Flaring Units	EA	0	0.00	\$0.00
Meters, Valves	EA	0	0.00	\$0.00
Compressors	EA	0	0.00	\$0.00
Flame Arrestors	EA	0	0.00	\$0.00
Operation	LS	1	796.00	\$796.00
		Subt	otal Gas System:	\$796.00
9. Landscape				
Mowing	AC	18.6	156.82	\$2,916.85
Fertilizer	AC	18.6	209.09	\$3,889.07
		Subtotal Landsca	pe Maintenance:	\$6,805.93

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
10. Erosion Control & Cover Mainte	nance			
Sodding	SY	1,218	2.16	\$2,630.88
Regrading	LS	1	2,500.00	\$2,500.00
Liner Repair	SY	500	4.16	\$2,079.00
Clay	CY	0	0.00	\$0.00
	Subtota	al Erosion Control and C	over Maintenance:	\$7,209.88
11. Storm Water Management System	em Maintenanc	е		
Conveyance Maintenance	e LS	1	12,114.34	\$12,114.34
	S	ubtotal Storm Water Sys	stem Maintenance:	\$12,114.34
12. Security System Maintenance				
Fences	LF	50	22.00	\$1,100.00
Gate(s)	EA	0.2	3,525.00	\$705.00
Sign(s)	EA	0	0.00	\$0.00
		Subtota	al Security System:	\$1,805.00
13. Utilities	LS	1	500.00	\$500.00
14. Administrative				
P.E. Supervisor	LS	1	2,240.00	\$2,240.00
On-Site Engineer	HR	0	0.00	\$0.00
Office Engineer	HR	0	0.00	\$0.00
On-site Technician	LS	1	11,904.00	\$11,904.00
Other (explain)		0	0.00	\$0.00
		Subto	otal Administrative:	\$14,144.00
15. Contingency	% of Total	\$219,795.91	10%	\$21,979.59
		Sub	ototal Contingency:	\$21,979.59

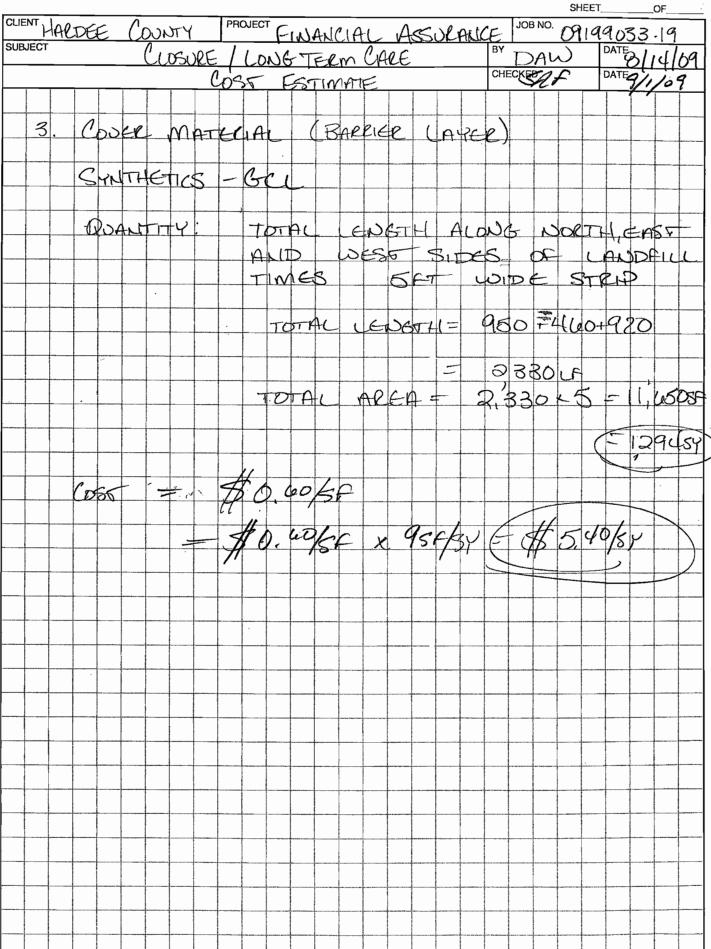
16. Site Specific Costs (explain)		UNIT COST	
		LS	\$0.00
		LS	\$0.00
		LS	\$0.00
	ANNUAL LONG-TERM CARE COST (\$	/Year):	\$241,775.50
	NUMBER OF YEARS OF LONG-TERM	A CARE	30
	TOTAL LONG-TERM CARE CO	ST (\$):	\$7,253,264.90

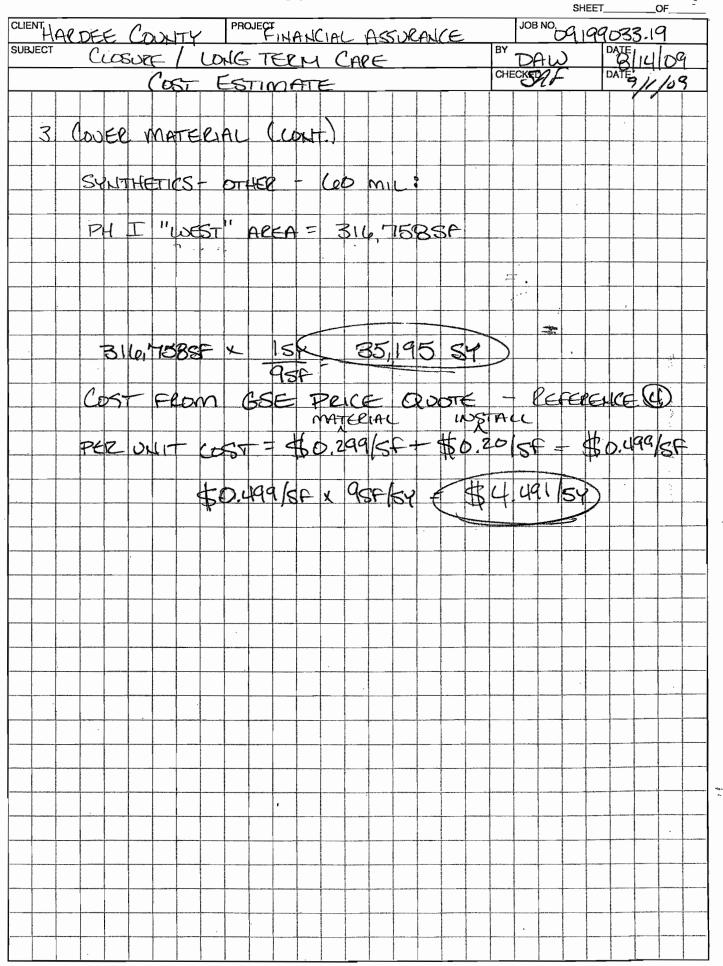




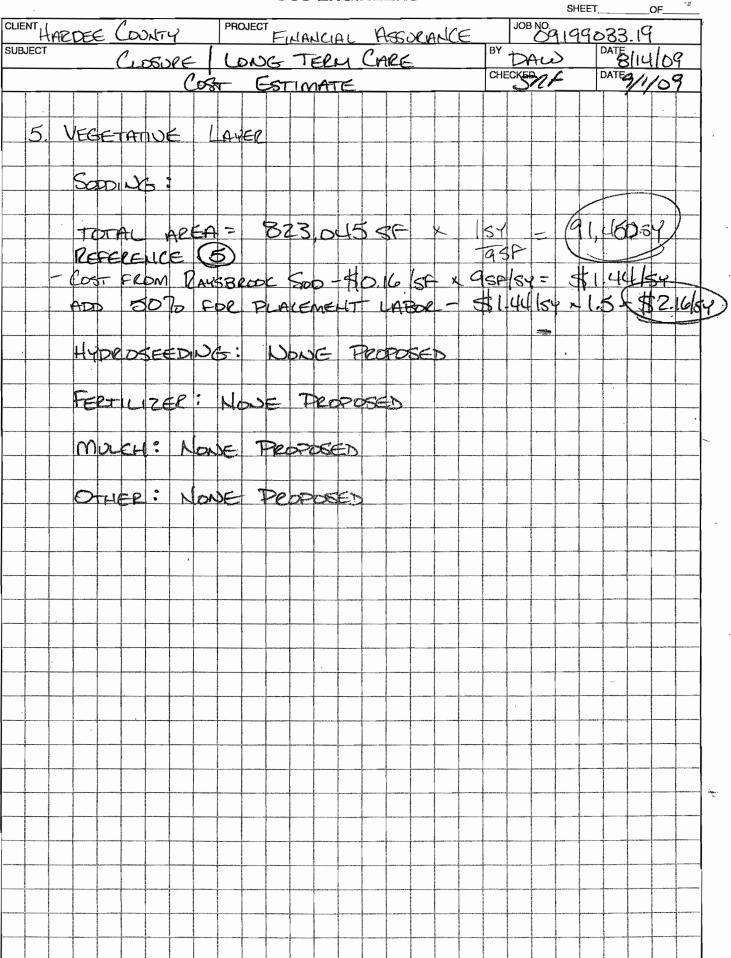
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HARDEE COUNTY	PROJECT FINANCIAL ASSURANCE	JOB NO. 09199033.19
SUBJECT CLOSURE / LON	IG TERN CARE	TAIN PARILING
	ESTIMATE	DATE 9/1/09
3. COVER MATER	RIAL (BARRIER LAYER) :	
DEF-SITE C	LAY: NONE PROPOSED	
SUNTHETICS -		
JAN HEILS -		
PH I EAST	AREA = 315,909 SF TAREA = 190,378 SF	
PHIT, SEC	I AREA = 190,378 8A	
504.2835	x 154 5625450	<b>→</b>
	× 154 5625450 955	
	SE PRICE QUOTE	REFERENCE
- CON FROM E	MATERIAL INSTALL	reactive of
	A CONTRACTOR	
FER WLIT COST	= \$0.225(31 + \$6.20(51))	= \$ 0.425/8F
		, , , , , , , , , , , , , , , , , , ,
K.7	\$ D.425/SF x 95-/54 2	\$ 3,825 54
SYNTHETICS-	GCL: (SEE NEXT SHE	
SYNTHETICS -	GEONET BIPLANAR BEDCO	MPOSITE:
PH I "WEST"	AREA = 316,7585F	
PH I "EAST"	AREA = 315,909 SF	
	AREA = 315,90954	
PH T, SECT	AREA = 190,3785F	
TOTAL AREA =	= 3167581315909-190378	3= 823,0455F
823,0455F	× 154 (9,44954)	
	$ \begin{array}{c c} x & 15y \\ \hline q_{5f} \end{array} \end{array} $	
		REFERENCE (4)
COST FROM	GSE PRICE QUOTE -	REFERENCE (4)
	MATERIAL INSTALL	
PER UNIT COS	51 = \$0.420/5F + \$0.15/5F	= 50.575F
	\$0.57/5FX 95F/5Y E \$5	5,13/54



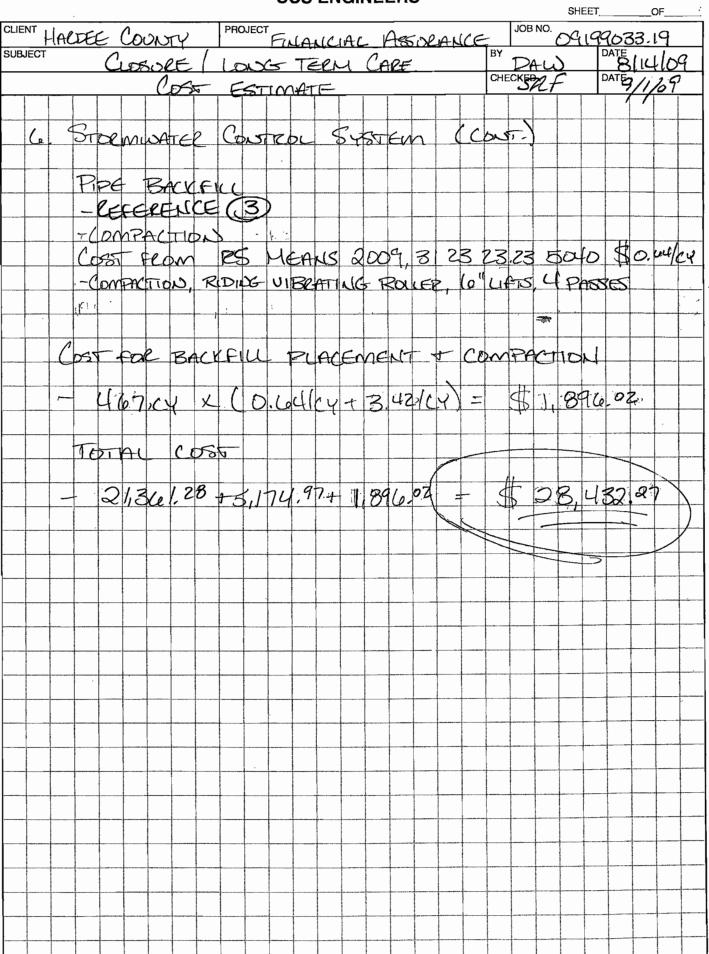


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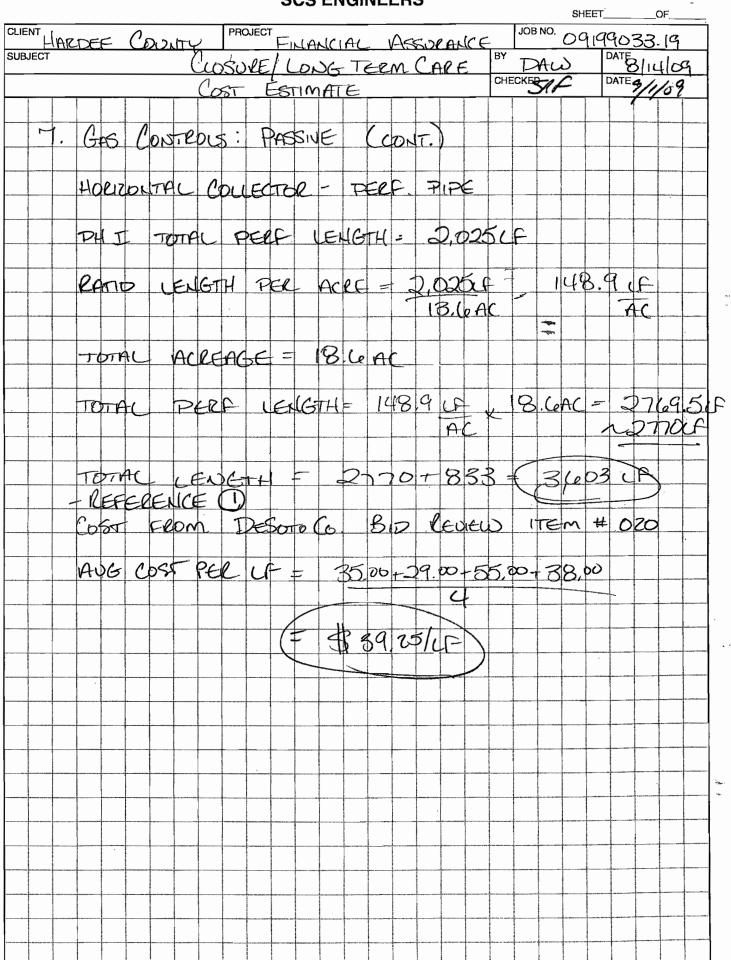
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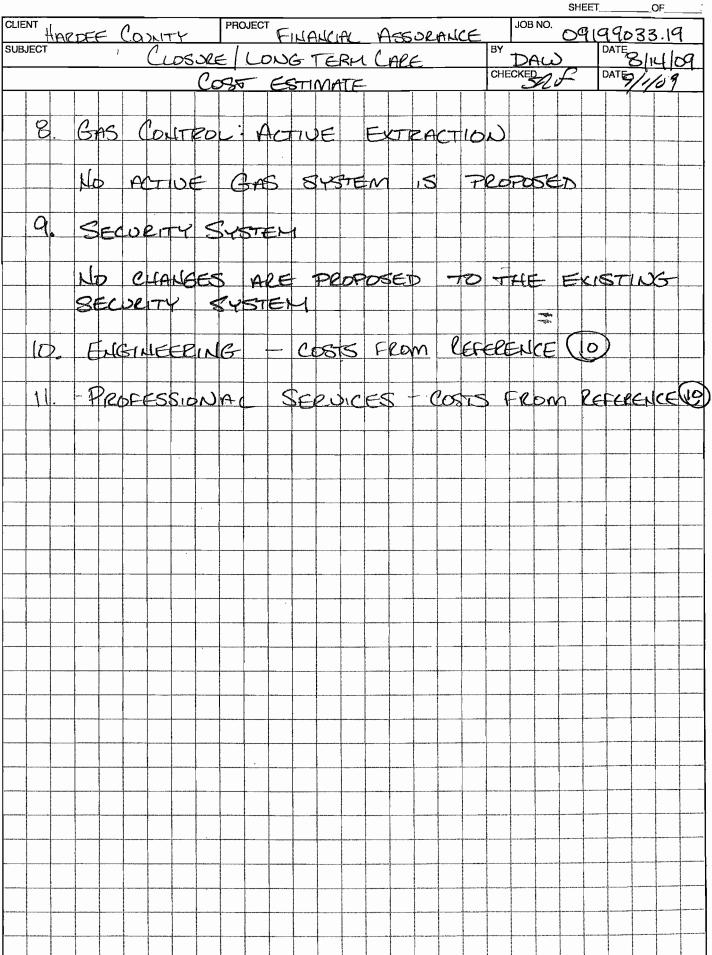
SHEET OF CLIENT HARDEE COUNTY PROJECT FINANCIAL ASSURANCE JOB NO 09199633.19 DATE ILLOG SUBJECT BY CLOSURE/LONG TERM CARE DAW DATESII CHECKED COST ESTIMATE STORTWATED CONTROL SUSTERY (cout.) (0 PIPING 6" Ø LENGTH = 25-25+25+25 = 100 LF TOTAL 12"0 LENGTH = 20+20+20+20+20+20+20+20+20+20 TOTAL 120+20+20=240LF 195" 4 LENGTH = 135+175+120+115+175+165= 8850F TOTAL 18"\$ 1 F2 ST-1 = 7/01 PHZ, SECI A PIPING MATI FET FROM TAMPA TOTAL COSTS WATERWORK # OUL REFERENCE \_\_\_\_ ADD 764 OF 18" & PIPE \$ 20, 198.48 =) louf x\$ 5,30/FT=\$1,162,80 TOTAL = \$ 21, 341. 28 PIPE PURCEMENT COSTS REFERENCE of ream is means 2009 3331 13 20 3120 \$3.70/LF SELOAGE COLLECTION, PLASTIC PIPE, PIPING, NOT \$0.42/1F 44.12/LE NUUDING CKCANATION BACKFILL, HERE CORRUGATED 18" DIAMETER LABOLT EDUP PIPE BACKFILL 3' LENGTH = 100 + 240+85 -74 TOTAL 1,24/AF TOTAL PIPE 241" Preotective cote COST + 1,241 × 117 = 5,174,97 LINER SISTEM 18" ADS PIPE -12,01405  $\pm(2)$ 1901 Barrens VOIDME = 3+11 - LENGTH OF DANSVILLE (18/4) 12,614CF × 104 46704 -leference 1 FUL COST FROM DESOTO CO: Bit REVIEW ITEM# 007 AUG LOST PER CY = 9572.00+7.00+2.73 \$3.42/04 ADG LOBET PER



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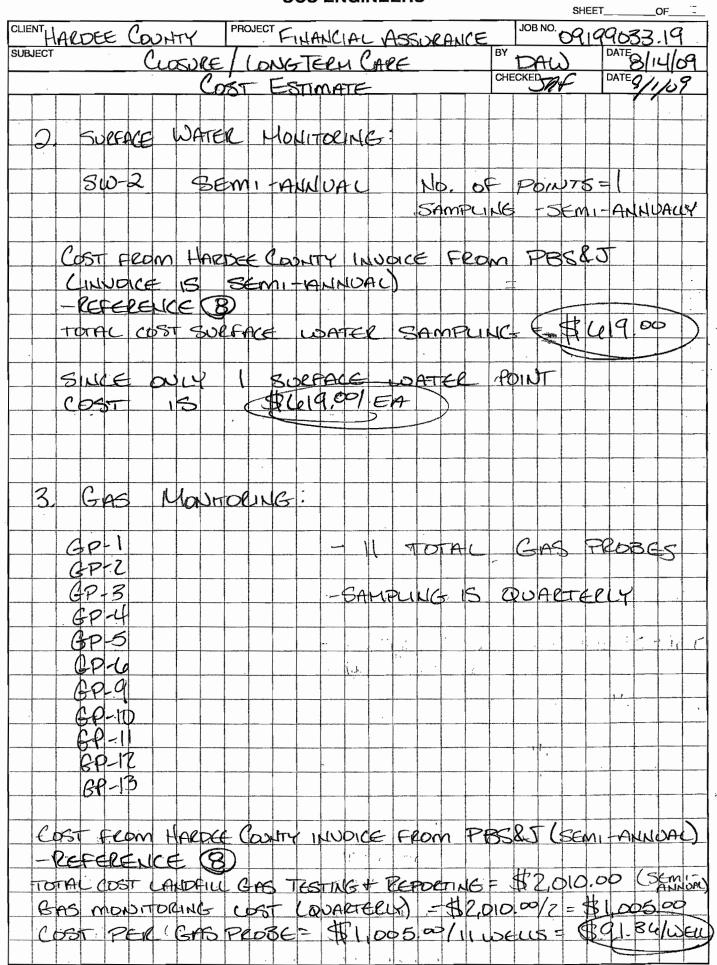


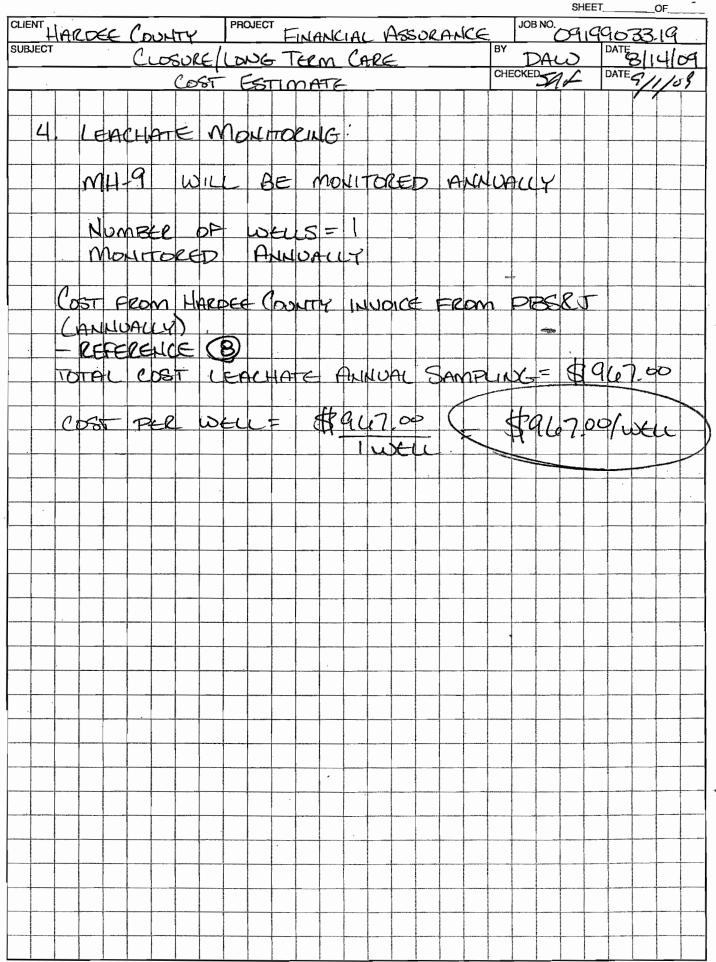
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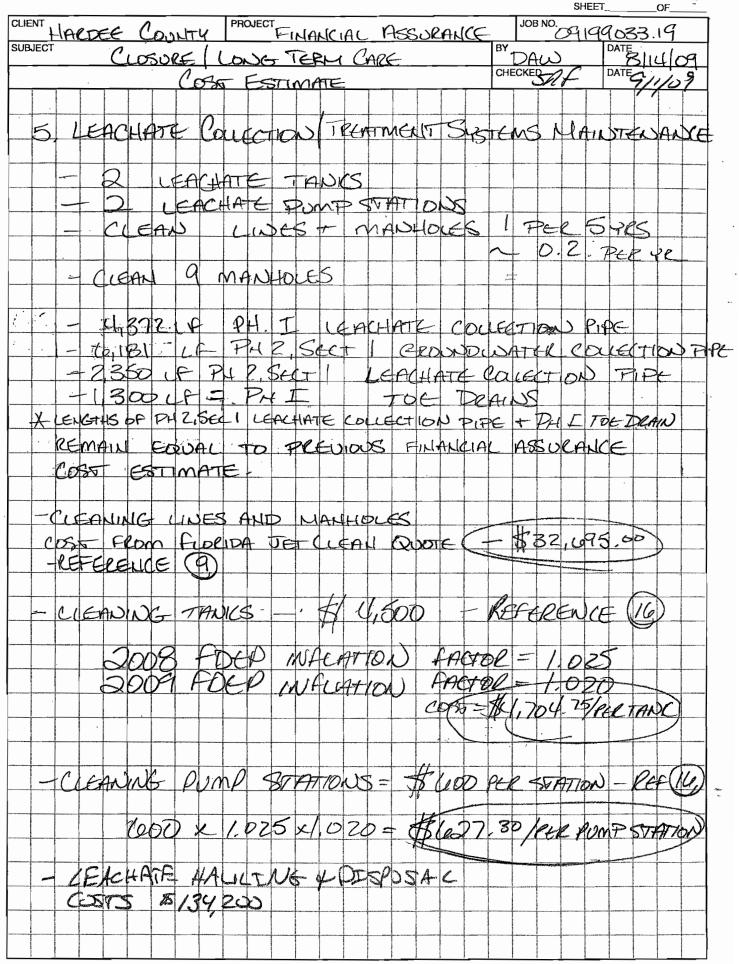
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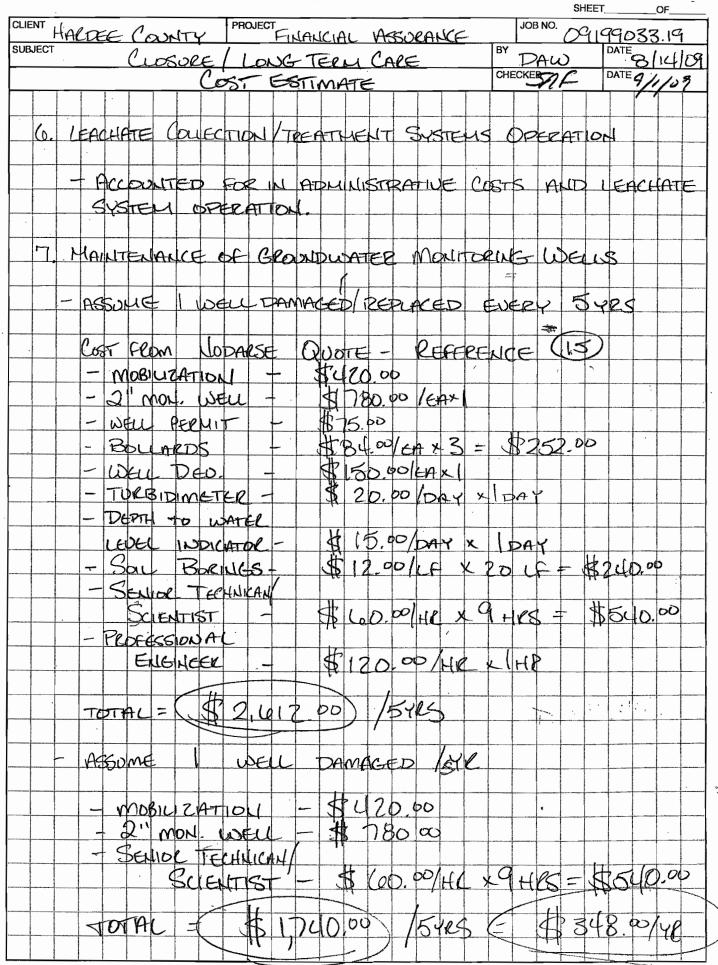
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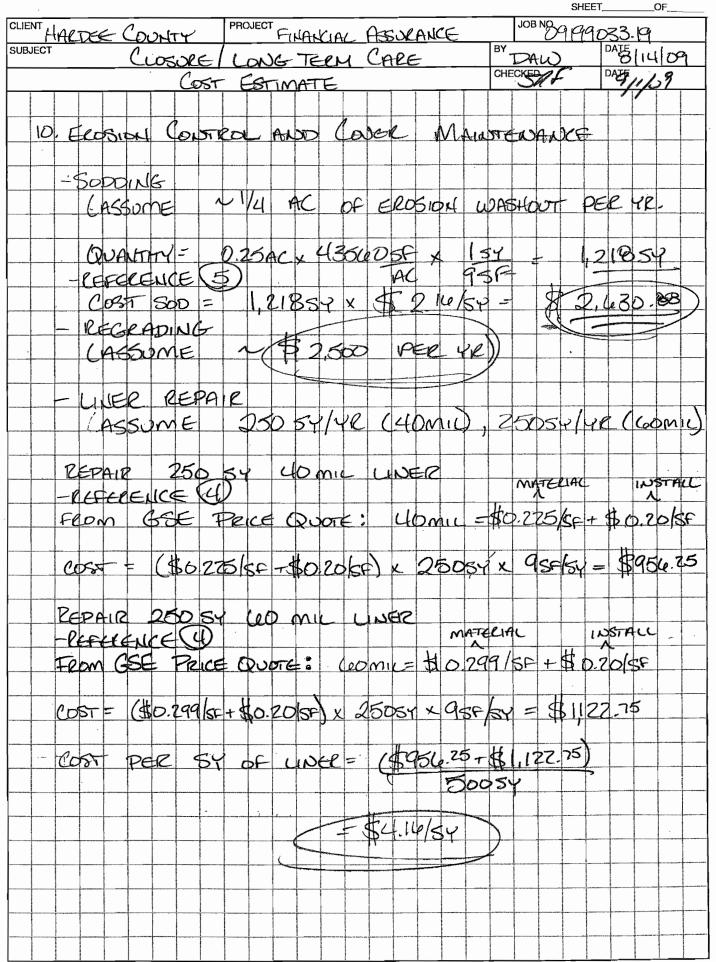


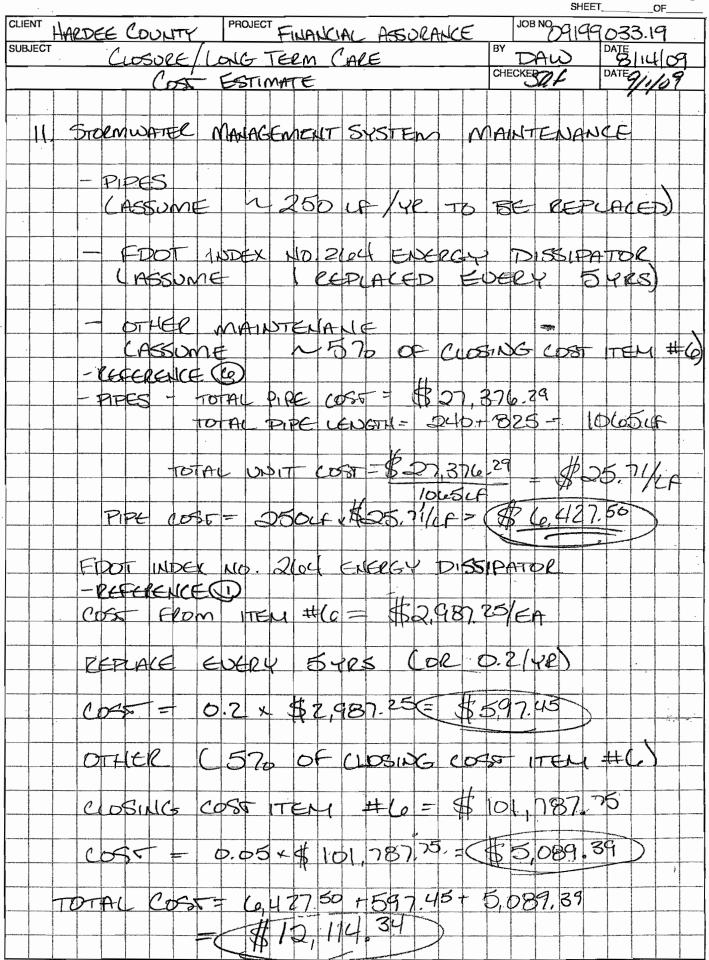




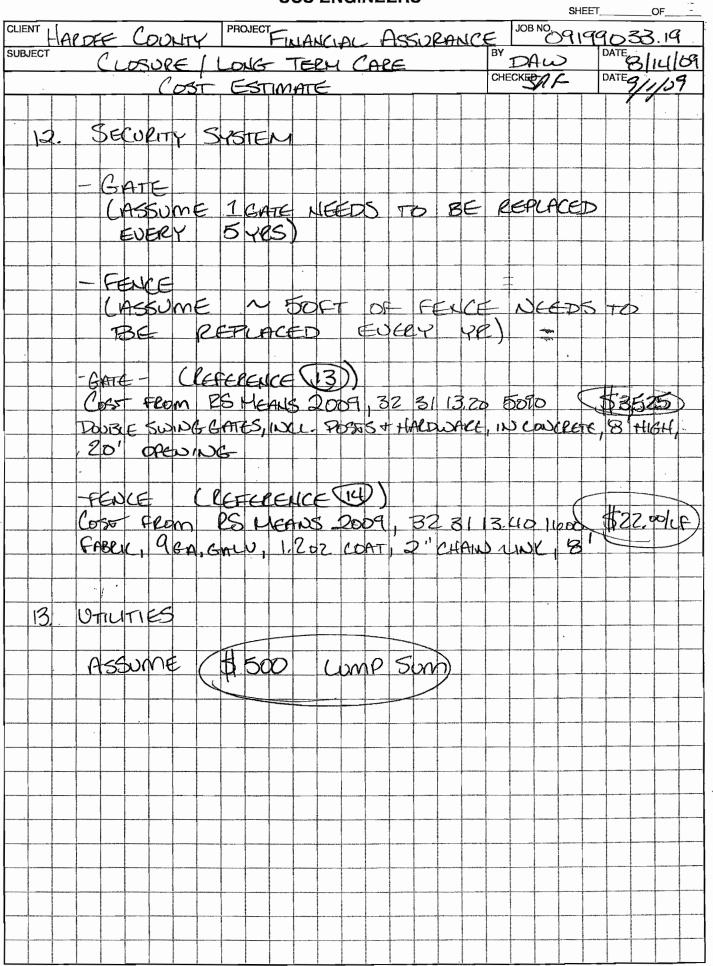


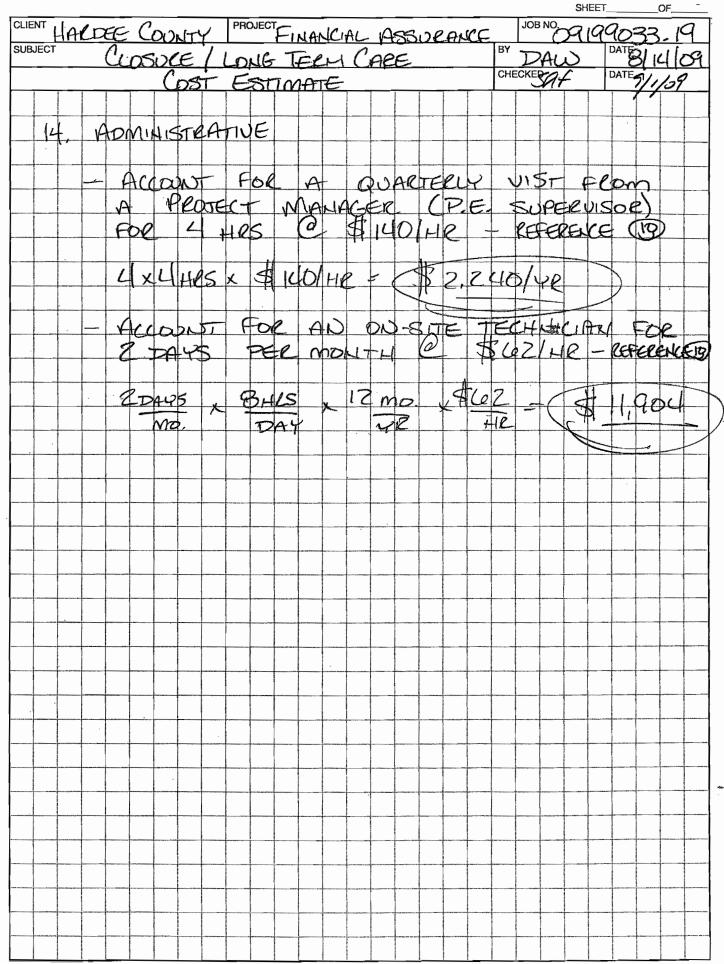
SHEET\_\_\_OF\_\_\_\_ CLIENT plerdee lants SUBJECT And I lime to JOB NOT 99051. 19 PROJECT ASSURANCE BY DATE Cost Estimate DATE 9/1/09 CHECKED GAS SISTER MAINTENANCE 8 ASSUME ONE FASSINE VENT WILL NEED TO BE REPAIRED REAR EVERY OF TECHNICIAN'S TIME @ \$64/HR REAVERS 8+185 REFERENCE (10) MATERIAL TO VENTT = ~ \$200 REPAIR PASSINE (ASSUMED) VEHICLE = \$100 / DAY -REFERENCE (10) (BHE)(\$62/HE) + \$200+\$100 TOTAL COST = \$ 196.00 9. LANTSCATE Maunie \_\_\_\_ 18. CEAC ASSOME LANDFILL IS MOWED LE TIMES A YP TOTAL AREA = lex Blence-111. le AC REFERENCE D 055 FROM, R5 MEANS 2009, 32 01 90.19 4190 \$0.60/10005F MOWING W TRACTOR + ATTACHMENTS, 5 GANG KEEL, TOTAL COST = \$0.00/1000SF × 435400SF/AC × 111.6AG= \$ 2916.78 COST PER AC # 29/18. 40 - \$156 32/100 FEETUIZER - 18 CEAC - ONLY ONCE PER YK - (055 FROM RS MEANS 2009, 32 0190.13 0180 \$438/100055 - REFERENCE (13) 32 0190.13 0190 \$0.4210005 WATER SOLDBLE, HYDRO SPEEPD, 15#/MSF, WEED CONSTROL DIST COST = \$(438+0.42)0005Fx 436605+/AC = \$209.09/AK TOTAL LOST = \$ 209.09/AC × 18.44 CT \$ 3889.07





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## DESOTO COUNTY ENVIRONMENTAL SERVICES DEPARTMENT ZONE 2 AND PARTIAL ZONE 3 CLOSURE DESOTO COUNTY SECTION 16 LANDFILL PROJECT NUMBER: 09-11-00ITB

• •

Item No. Description	Unit	Contract Quantity	Eng Estimate Unit Price in Figures (\$)	Eng Estimate Total Item Price (\$)	COMANCO Unit Price in Figures (\$)	COMANCO Total Item Price (\$)	SE ENV CONT Unit Price in Figures (\$)	SE ENV CONT Total Item Price (\$)	ERC Unit Price in Figures	ERC Total Item Price (\$)	T & K Unit Price in Figures (\$)	T & K Total Item Price (\$)
001 Mobilization/Demobilization	LS	1	164,711.05	164,711.05	73,500.00	73,500.00	100,000.00	100,000.00	180,000.00	180,000.00	199,300.00	199,300.00
002 Site Clearing/Grubbing and Scraping	AC	8	1,779.50	14,236.00	3,500.00	28,000.00	10,000.00	80,000.00	1,000.00	8,000.00	1,200.00	9,600.00
003 Survey	LS	1	36,250.00	36,250.00	35,000.00	35,000.00	20,000.00	20,000.00	20,000.00	20,000.00	36,300.00	36,300.00
004 Temporary Erosion and Sedimentation Control	LS	1	3,220.00	3,220.00	4,000.00	4,000.00	20,000.00	20,000.00	10,000.00	10,000.00	28,200.00	28,200.00
005 Demolition of Gabion Basket Downchutes	LS	1	60,896.50	60,896.50	7,000.00	7,000.00	10,000.00	10,000.00	15,000.00	15,000.00	12,100.00	12,100.00
006 Excavation of Unsuitable Soil/Waste (Intermediate Cover Soil Layer/Grading Layer)	CY	18,044	4.40	79,393.60	1.75	31,577.00	2.00	36,088.00	9.00	162,396.00	3.42	61,710.48
007 Fill for Excavated Unsuitable Soil/Waste (Intermediate Cover Soil Layer/Grading Layer)	CY	4,347	9.28	40,340.16	1.95	8,476.65	· 2.00	8,694.00	. 7.00		2.73	11,867.31
008 Subbase Final Grading/Compaction	SY	38,173	3.22	122,917.06	0.50	19,086.50	· 5.00	190,865.00	0.50	19,086.50	. 0.36	13,742.28
009 40 mil Textured LLDPE	SF_	382,215	0.39	149,063.85	0.41	156,708.15	0.30	114,664.50	0.33	126,130.95	0.44	168,174.60
010 300 mil Biplanar Geocomposite	SF	. 386,879	0.67	259,208.93	0.52	201,177.08	0.55	212,783.45	0.55	212,783.45	0.61	235,996.19
011 Protective Soil Cover Layer (18 Inches)	ĊŸ_	20,094	11.94	239,922.36	16.25	326,527.50	8.00	160,752.00	18.00	361,692.00	9.72	195,313.68
012 Topsoil Layer (6 Inches)	· CY	6,488	8.66	56,186.08	8.00	51,904.00	8.00	51,904.00	15.00	97,320.00	10.92	70,848.96
013 18 Inch Diameter ADS N-12 Downchute Pipe	LF	908	24.77	22,491.16	25.00	.22,700.00	35.00	31,780.00	20.00	18,160.00	26.00	23,608.00
014 12 Inch Diameter ADS N-12 Downchute Pipe	LF	345	15.02	5,181.90	15.00	5,175.00	30.00	10,350.00	19.00	6,555.00	35.00	12,075.00
015 FDOT Index No. 261 Baffled Endwall	EA	4	15,000.00	60,000.00	3,750.00	15,000.00	5,000.00	20,000.00		4,800.00	1,999.00	7,996.00
016 GFFR Lined Stormwater Swale and Downchute Pipe Outfall Areas	SF	7,192	22.50	161,820.00	8.00	57,536.00	6.00	43,152.00	6.00	43,152.00	8.15	58,614.80
017 6 Inch Diameter ADS N-12 Toe Drain (Slotted Pipe)	LĘ	1,060	16.18	17,150.80	23.00	24,380.00	28.00	29,680.00	8.00	8,480.00	33.00	34,980.00
018 6 Inch Diameter ADS N-12 Toe Drain (Solid Wall Pipe)	LF ·	120	14.14	1,697.00	15.00	1,800.00	. 12.00	1,440.00	8.00	960.00	19.00	2,280.00
019 Limerock Access Ramp	SY	3,287	13.71	45,064.77	8.00	26,296.00	5.00	16,435.00	5.00	16,435.00	20.80	68,369.60
020 Horizontal Landfill Gas Vent Trench Installation	LF.	1,654	49.62	82,071.48	35.00	57,890.00	29.00	47,966.00	55.00	90,970.00	38.00	62,852.00
021 Vertical Landfill Gas Vent Installation												
021a 30 Inch Diameter Bore with 4 Inch Diameter PVC Casing	LF_	453	90.54	41,014.62	120.00	54,360.00	150.00	67,950.00	85.00	38,505.00	104.00	47,112.00
021b Boring Refusal	LF	45	90.54	4,074.30	75.00	3,375.00	70.00	-	30.00	1,350.00	48.00	2,160.00
022 Sodding	SY	38,720	3.69	142,876.80	1.44	55,756.80	1.75	67,760.00	1.50	58,080.00	<u>1.69</u>	<u>65,436.80</u>
023 Seeding	SY	3,333	0.61	2,033.13	0.75		0.40	1,333.20	0.40	.,	0.58	1,933.14
				\$1,811,821.55		\$1,269,725.43	· ·	\$1,346,747.15	·.	\$1,531,618.10		\$1,430,570.84
024 Contingency	EA	1	200,000.00	200,000.00		. 200,000.00		200,000.00		200,000.00		200,000.00
		TOTA	L BID PRICE:	\$2,011,821.55		\$1,469,725.43		\$1,546,747.15		\$1,731,618.10		\$1,630,570.84

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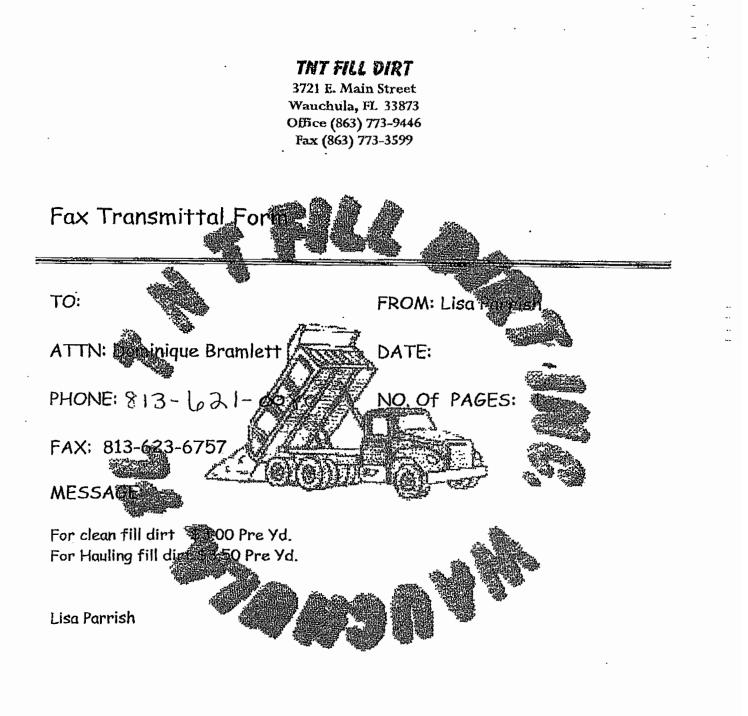
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REFERENCE

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We Appreciate Your Business!

	31	<b>25 EXCAVATION AND FILL</b> 3 23 – Fill			Auto				Refe	RENCE	= (Z)
P	Provide State	23.14 Backfill, Structural	Grew	Daily Output	Labor- Hours	Unit	Material	2009 Bo Labor		Total	Total Incl 0&P
50 50	tind advertise	BACKFILL, STRUCTURAL Dozer of F.E. Jouder									
50	-0011 0020	From existing stockpile, no compaction									in and the second s
50	2000 2010	80 H.P., 50° haul, sand & yravel Sondy day & Ioam	A RELIGE	1070	.011 .011			.42 .43	.36 .37	.80	1.03 1.06
	2020 2040	Common earth Clay		975 850	.012 .014			.47 .54	.41 .47	.88 1.01	1.16 1.34
-	2200	150' haul, sand & gravel Sandy clay & loam		550 535	.022 022			.83 .85	.73 .75	1.56	2.06 2.12
	2210. 2220	Common earth		490	.024			.93	81	1.74	2.31
	2240 2400	Clay. 300' houl, sand & gravet		425 - 370	.028 .032			1.08 1.24	94 1.08	2.02 2.32	2.66 3.06
1.51	2410 2420	Sandy clay & loam Common earth		360 330	.033 .036			<i>≡</i> 1.27 1.39	1.11 1.21	2.38 2.60	3.15 3.43
	2440	Clay		290	.041			1.58	1.38	2.96	3.90
	<b>3000</b> 3010	105 H.P., 50' haul, sand & gravel <u>Sandy Clay &amp; loann</u>	B-10W	1325	.009 .009		- 19 - 19 - 19	.34. .35	.44	.78 .80	1.02
	3020 3040 -	Common eerth Cloy -		1225 1100	.010 .011			.37 42	49 55	.85 .97	<u>(111)</u> 1.23
	3200 3210	1504 haul, sond & grave) Sondy clay & loom		670	.018			.68 .70	.90 .92	1.58	2.02 2.07
8	3220	Common earth		610	.020			.75	.98	1.73	2.22
5	3240 3300	Clay 300' haut, sand & gravel		550 465	.022 .026			.83 ,98	1.09 1.29	1.92 2.27	2.46 2.91
0	3310 3320	Sandy clay & loem Common earth		455 435	.026 .029			1 1.10	1.32 1.45	2.32 2.55	2.97 3.26
	3340 74000	Clay. 200 H.P., 507 havl, sand & gravel		2500	.032			1.24	1.62 43	2 8 <u>6</u> +61	3.66 76
5	4010	Sandy clay & Ioam	DIUD	2435	.005			.19	.44	.63	.77
'5 '0	4020 4040	Common earth Clay		2200 1950	.005 .006			.21 .23	.49 .55	.70 .78	.85 .97
10 18	4200 4210	150' haul, sand & gravel Sandy day, & loom		1225	.010 .010	<b>波</b> 译		.37 .38	.88	1.25 1.28	1.54 1.57
13	4220	Common earth		1100	.011			.42	.98	T 40 1 58	1.71 1.93
	4240 4400	Cloy 300* hout, sand & gravel		975 805	AND SHOULD BE VIEW CONTRACTOR			47 .57	1,11. 134	1,91	2.34
	4410 4420	Sandy clay & loam Common earth		790 735	.015 .016			.58 .62	1.37 1.47	1.95 2.09	2.39 2.56
	4440 5000	Clay 300 H.P., 50' haul, sand & gravel	₿-10M	660 3170	.018 .004			.69 .14	1.64 .45	2.33 .59	2.85 .71
	5010	Sandy clay & loam		3110	.004		PEAR -	.15	. 46	61	
28	5020 5040	Common earth Clay		2900 2700	the state of the second			,16 17	49 - 53	.65 .70	.84
	5200 5210	150' haul, sond & grovel Sondy clay & loam		2200	CERCITATION OF THE PARTY OF			21 	.65 .66	.86 .87	1.02
1	5220	Common earth		1950	.006			.23	.73	.96	1.16
1	5240 7.1 5400	Clay 300° haul, sand & gravel		1700 1500	.007 .008			.27 .30	.84 .95	1,11 1.25	1.33 1.50
J	5410 5420	Sandy clay & loom Common earth		1470 1350	.008 .009		and a second s	31 34	+ 97 1.05	1.28 1.39	1.53
	5440	Clay		1225	「大学会社会工作」であってい			37	14	1.53	A STATE OF THE A SECTOR
	6000	For compaction, see Div. 31 23 23 23					120 22				227

# 31 23 Excavation and Fill

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31 2	3 23 — Fill		Realized				REF	ELENC	e G	D
31 23 23.20 Hauling				Labor-	11.5	M	2009 Bo		Tel	Total
<u>31 23</u> 8120	23.20 Hauling cycle 4 miles	Crew	Output 660	Hours	Unit L.C.Y.	Material	Labor .39	Equipment 3,10	Total 3.49	
8130	15 MPH, cycle 2000 ft		1320	.006	1		-19	1.55	174	
8140	cycle 3000 h		1260	.006			.20	1.62	1.82	
8150	cycle 4000 ft		1260	.006			.20	1.62	1.82	
8160	cycle 0.5 mile		1320	.006			.19	1.55	1.74	
8170	cycle 1 mile		1200	.007			.21	1.71	1.92	
8180	cycle 2 miles		1020	.008			.25 33	2.01	2.26	
8190 8200	cyclē 4 miles 20 MPH, cyclē 2 miles		780	. 010 .007			.00 24	2.63 1.90	2.96 2.14	
8210	cycle 4 miles		900	.009			28	2.27	2.55	
8220	25 MPH, cycle 2 milles		1140	.007			- 22	1.80	2.02	
8230	cycle 4 miles	19131225-56633	960	.008	ALESS CONTRACT		.27	2.13	2.40	2.75
8300 .	25 min. wait/Ld./Uld., 5 MPH, cycle 2000 ft		960	.008		=	.27	2.13	2.40	2.75
8310	cycle 3000 ft		900	.009			.28	2.27	2.55	2.94
8320	cycle 4000 ft		840	.010	KSTAD MIRA		.30	2.44	2.74	3.15
8330	cycle 0.5 mile cycle 1 mile		900 780	009 010			28 33	2.27 2.63	2.55 2.96	2.94 3.39
8340 8350	cycle 4 mile cycle 2 miles		600	.013			.43	3.41	3.84	4.4
6360	10 MPH, cycle 2000 ft		1020	.008			.25	2.01	2.26	2.60
8370	cycle 3000 ft		1020	.008	1996 A State		.25	2.01	2.26	2.60
8380	cycle 4000 ft		960	.008		Í	.27	2.13	2.40	2.75
8390	cycle 0.5 mile		1020	.008			.25	. 2.01	2.26	2.60
8400	cycle 1 mile		900	.009	07607 SUN F		.28	2.27	2.55	2.94
8410 8420	cycle 2 miles cycle 4 miles		780	010 013			33 43	2.63 3.41	2.96 3.84	3.39 4.41 ·
8430	tyrue 4 nules 15 MPH, tycle 2000 ft		1080	015			.24	1.90	214	2.45
8440	cycle 3000 ft		1020	.008				2.01	2.26	2.60
8450	cycle 4000 ft		1020	.008		Construction of Provide State	.25	2.01	2,26	2.60
8460	cycle 0.5 mile		1080	.007			.24	1.90	2.14	2.45
8470	cycle 1 mile		960	.008			.27	2.13	2.40	2.75
8480	cycle 2 miles		840	.010	1000		.30	2.44	2.74 3.49	<b>3.15</b>
8490 8500	cycle 4 miles		660 900	.012		and a statistic statistic	.39 .28		2.55	2,94
8510	20 MPH, cycle 2 miles cycle 4 miles		780	.009				2.63	2.96	3.39
8520	25 MPH, cycle 2 miles		960	.008			.27	ALL	2.40	2.75
8530	cycle 4 miles		840	.010			.30	2.44	2.74	3.15
31 23	3 23.23 Compaction				_					•
0010	COMPACTION									
5000	Riding, vibrating roller, 6" lifts, 2 passes	B-10Y	3000	3 6 F	E.C.Y.		.15	and the second second	31	40
5020	3 passes	145	2300	.005			.20	.20	40	52
5040 5060	4 posses		-1900	:006			.24	.25	.18	.23
5080	12" lifts, 2 passes 3 passes		5200 3500	.002			.09 .13	.09	.10	
5100	3 pusses 4 passes		2600	.005			.13	.13	.36	.35 .47
5600	Sheepsfoot or wobbly wheel roller, 6" lifts, 2 passes	₽-100	1	.005			.19	.48	.67	.81
5620	I pusses		1735	.007				.66	.92	1.12
5640.	4 posses		1300			G. State	.35	88	1.23	1,50
5680	12" lifts, 2 posses		5200	.002		1 Sec.		22	.31	37
5700 5720	3 posses		3500	CALIFY PARANCE			.13	Constrained and the second second of the second of	.46	56. .75
6000	4 pusses		2600	.005			.18	.44 .15	.62 .20	./5
6020	Towed sheepsfoot or wobbly wheel roller, 6" lifts, 2 passes 3 passes	10-10	) 10000 2000	1			.05	{	.20	1.20
-		+	2000	.000		I	.2.5			



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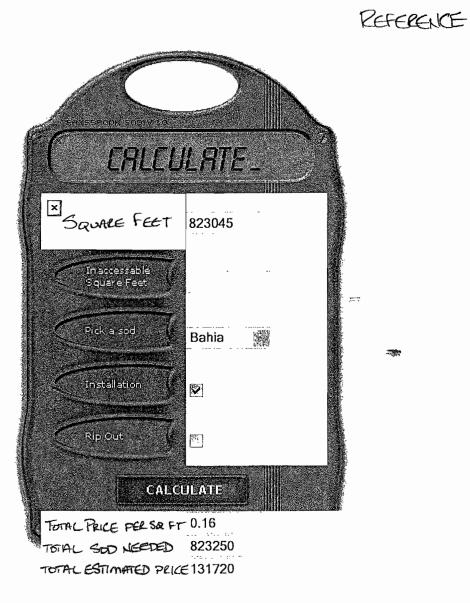
# Warner, Drew

warner, Drew			
From:	Matt Skinner [mskinner@gsewor		
Sent:	Tuesday, August 25, 2009 4:07 F	νM	
To:	Warner, Drew		
Cc:	Bob Killian RE: Hardee County - Price Quote	<b>`</b>	
Subject:	HE. Hardee County - File Quote	;	
Drew,			
Here is your budg	getary pricing. Let me know i	f you have any	y other questions. Thanks
Material Supply: 40 mil LLD DS Tex	xtured .225/SF + 0.20	(PRICES	INCLUDE DELIVERY)
60 mil HD DS Text 300 mil DS 8 oz (	tured .299/SF + 0.20 Composite .420/SF + 0.15		
(Above prices de	livered to Wauchula, FL)		лан,
Installation:			
	20 /SF (Dependent on site 15 /SF (Dependent on site		
Thanks			
			·
MATT SKINNER			
Inside Sales			
GSE Sales Team			
P:281.230.8635 T C:83 www.gseworld.com	2.584.4720   F:281.230.8663		
www.gscwond.com			
Original Me	ssage		
	ew [mailto:DWarner@scsenginee	ers.com]	
	ugust 25, 2009 2:53 PM		
To: Matt Skinner			
Subject: RE: Har	dee County - Price Quote		
The material will	l be delivered to the Hardee	County Landfi	ll. The Address is 685 Airport
Rd Wauchula, FL 338	73. Please let me know if yo	ou have any ot	her questions.
· ·	-	-	-
Original Me From: Matt Skinn	ssage er [mailto:mskinner@gseworld.	coml	
	ugust 25, 2009 3:47 PM		
To: Warner, Drew			
Drew, Where will the m	aterial be delivered to? Thar	ıks	
Matt Skinner			
Inside Sales Man	ager		

# Price It Now

Fill out the blanks and hit calculate.

Please note that the pricing reflected from the calculator is only a rough estimate



:<u>\*</u>

Page 1 of 1

Warner, Drew

From: Sent: To: Subject: Geoffrey Powers - 44 TAMPA\_WATERWORKS [geoffrey.powers@ferguson.com] Friday, August 21, 2009 2:51 PM Warner, Drew Email Bid# B156214

# Price Quotation # B156214

# FEI-TAMPA, FL WATERWORKS #044

8008 E. SLIGH AVE. TAMPA, FL 33610-0000

Phone: 813-627-1240 Fax: 813-627-1299

Bid No.....: B156214 Bid Date...: 08/21/09 Quoted By: GP Customer.: BID CONTRACTOR TAMPA #1 FOR BIDDING PURPOSES ONLY TAMPA, FL 33637

Cust Phone: 999-999-9999 Terms......: NET 30 DAYS Ship To......: BID CONTRACTOR TAMPA #1 FOR BIDDING PURPOSES ONLY TAMPA, FL 33637

REFERENCE (0

Cust PO#..:

		0							
Item	Description	Quantity	Net Price	UM	Total				
A12650020IB	12X20 N12 COR W/TITE HDPE PIPE BE	240	8.200	FT	1968.00				
A18650020IB	18X20 N12 COR W/TITE HDPE PIPE BE	840	15.300	FT	12852.00				
	NO DBL WYES								
A1884AN	18X12 N12 COR WYE	12	294.100	EA	3529.20				
A1865AA	18 N12 HDPE SPLT COUP	24	22.700	EA	544.80				
A1265AA	12 N12 HDPE SPLT COUP	12	9.500	EA	114.00				
na na sana na sana sa		Net Total: Tax:	19008.00 1190.48						

Tax:1190.48Total:20198.48

Job Name.: SCS ENGINEERS

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT. Quotations are offered contingent upon the Buyer's acceptance of Seller's terms and conditions. Seller objects to all other terms and conditions. Seller not responsible for delays or lack of product due to causes beyond our control. Purchaser's sole warranties, if any, are those provided by the manufacturer. SELLER DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL SELLER BE LIABLE FOR ANY INCIDENTAL, PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING DIRECTLY OR INDIRECTLY FROM THE OPERATION OR USE OF THE PRODUCT. SELLER'S LIABILITY, IF ANY, SHALL BE LIMITED TO THE NET SALES PRICE RECEIVED BY SELLER. Complete Terms and Conditions are available upon request or can be viewed on the web at <u>www.ferguson.com/sales-terms.html</u>.

# 33 31 - Sanitary Utility Sewerage Piping

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States and

	81 13 – Public Sanitary Utility Sewerage Pi	oing					Zei	ELEN	ce(F	7)
				Lobor-			2009 Bo	ore Costs		Total
33 31	13.13 Sewage Collection, Vent Cast Iron Pipe SEWAGE COLLECTION, VENT CAST IRON PIPE	Crew	Output	Hours	Unit	Material	Labor	Equipment	Total	Incl O&P
	Not including exception or backfill									
0020 2022	Sewage vent cost iron, B. & S., 4" diometer	01	66	.242	LF.	11.35	10.65		- 72 -	28,50
2024	5" diameter	02	88	.273		16	12.40		28.40	36.
2024	6" diameter	"	84	.286	1993 (BACH)	19.40	13		32.40	4].
2028	8" diameter	0-3	70	.457		31.50	21		52.50	66.50
2030	10" diameter		66	.485		51.50	22.50		74	91
2032	12" diameter		57	.561		73.50	26		99.50	120
2034	15" diameter	-	49	-653	Y	105	30.50		- 135.50	162
8001	Fittings, bends and elbows									
8110	4 <sup>rr</sup> diameter	01	13.	1,231	Fa.	39	54		93	124
81,12	5" dianeier	0-2	a la mande an	1,333		56	60.50		116,50	153
8114	6" diameter 8" diameter		17	1.412 2.909		66.50 187	64 == 135		130.50 322	170 410
8116 8118	10" diameter	Q-3	11	3.200		276	== 135 149		425	530
.8120	12" diameter		9	3.556		360	165		525	650
8122	15" diameter 🛫			4.571		1,025	212		1,23/	1,450
8500	Wyes and tees								10.25	
8510	4" diameter	01	8	2	Eo,	57,50	88		145.50	196
8512	5" dømeter	0.2	12	2		105	- 91		196	252
8514	6" diameter	"	11	2.182		133	99.50		232.50	295
8516	8" diameter	Q-3	7	4.571		315	212		527	670 925
8518 8520	10″ diameter 12″ diameter		6	5.333 8		505 935	248 370		753 1,305	1,575
8572	15" diameter		3	10.667		1.600	495		2,095	2,500
August of the second se	13.15 Sewage Collection, Concrete Pipe	1467 C			(2015- <b>V</b> obel 4				and I de transmitte	
was wearf diation to book of	SEWAGE COLLECTION, CONCRETE PIPE	10 (C				N III STATE	and the second	Tele in		
6020	See Div. 33 41 13,60 for sewage/dminage collection, concrete pipe		10 22							
33 31	13.20 Sewage Collection, Plastic Pipe									
. 0010.	SEWAGE COLLECTION, PLASTIC PIPE			States of						
State of the second	Not including excavation. & backfill				-4.1					
3000	Piping, HDPE Corrugated Type S with watertight gaskets, 4ª diameter	B-20	425		LE	and the second second	- 2			4.08
3020	6/" diameter		400	.060		2.05	S. S		4.17	5.55
3040 3060	8″ diameter 10″ diameter		380 370	.063 .065		3.91 5.40	2.23 2.29		6.14 7.69	7.75 9.50
3080	12" diameter		340	.065		7.35	2.27		9.85	11.95
3100	15" diameter		300	.080		10	2.83		12.83	15.40
3120	18" diometer	B-21	275	102		14.25		Q 47		22
3140	24 <sup>-</sup> diuneler		250	.112		22	4,07		26.59	31,50
3160	30" diameter		States and Testing	.140		35 -	5.10	.65	40.75	47
3180	36" diameter			156		44.50	5,65		50.87	58.50
3200	42" diometer		175	.160		55.50	5.80	.74	62.04	71
3220	48" diameter		170	.165		72	6	.76	78.76	89 133
3240 3260	54" diameter 60" diameter		160 150	.175		111 129	6.35 6.80	.81 .86	118.16 136.66	153
3300	Vaterlight elbows 12" diameter	<b>₿</b> -20		2.182	i v Fa.	6]-,	0.0U	.00	138	193
3320	15" diameter	, 070 "	and the second second	2.667		94	94.50		188.50	250
3340	18" diameter	B-21	and the second second	3.111.		155	113	14.35	- 282.35	360
3360	24" diameter		9 -	3.111		330	113	14.35	457.35	555 -
3380	30" diameter	100,000 (20 <b>1</b> ) 0340	8.	3.500	erante (kana)	525	127	16.15	668.15	795
3400	36" diameter		8	3.500		680	127	16.15	823.15	960
3420	42" diameter		6	4.667	•	855	170	21.50	1,046.50	1,225
				_						

			<b>37. RIDIAD</b> 37 13 – Machined Riprap			e <sup>A</sup> ala				指令		
otal L Osp	<u></u>		13.10 Rip-Rap and Rock Lining	Crow		Labor- Hours	Unit	Material	2009 Br Labor		Tetel	Total
10&P			RIP-RAP AND ROCK LINING	I Crew		nours		Materia		Equipment	<u>To</u> tal	Incl D&P
1,32	25	0011 0100	Random, broken stone Machine placed for slope protection	B-126	62	.258	ιrγ	31	9.55	10.50	51.05	60.2
44		0110	3/8 to 1/4 C.Y. pieces, grouted	B13	80	.700	100000	69.50	24 -	9.85	103.35	124
50	B	0200 0300	18" minimum thickness, not grouted Dumped, 50-lb. average	" B-11A	53 800	1.057 .020	" Ton	19.25 28	36 .73	14.90 1.35	70.15 30.08	93 33
64 71	10) 15)	0350	100 lb. average		700	.023		40	.83	1.55	42.38	47
.7) .78	85	0370	300 lb. overage	*	600	.027	*	46.50	.97	1.80	49.27	54.50
86 94		94	11tShoving	÷10	12-2.01		1				and a second	
1,02		4155 M. 199	414 Shoring	MIL CO		ALC: NO				-it ya		
1,07		18 19 19 19 19 19 19 19 19 19 19 19 19 19	11 13 – Timber Shoring									
1,2	25		13.10 Building Shoring BUILDING SHORING									
1,3		0020	Shoring, existing building, with timber, no salvage allowence	B-51	2.20	21.818	M.B.F.	695	695	88.50	_1,478.50	1.925
		1000	On arbbing with 35 ton screw incks, per box and jack		3.60	13.333	Jack	63.50	425	54	542,50	785
		100	Masonry openings in walk, see Div. 02 41 19:16 11 16 – Sheet Piling								1	
		State Construction of the	16.10 Sheet Piling Systems						And the second states		A PROPERTY AND	
		0010	SHEET PILING SYSTEMS									
	40	0020	Sheet piling steel, not incl. wales, 22 pst, 15" excov., left in place Drive, extract & solvage	B-40	A Constraint 3h	5,920 10.667	- Ton I	J.225 505	234 420	305 550	1,764 1,475	2,050 1,825
2	758 185	0300	20' deep excavation, 27 pst, left in place		4.2 元 元 次 流	4.942		1,225	195	256	1,676	1,950
	845	0400	Drive, extract & salvage			9.771		505	385	505	1,395	1,725
1	56	0600 0700	25' deep excavation, 38 psf, left in place Drive, extract & salvage		19 10.50	3.368 6.095		1,225 505	133 241	174 315	1,532 1,061	1,750 1,275
1	91 250	0900	40' deep excavation, 38 psf, left in place		1	3.019	10000	1,225	119	156	1,500	1,700
	475	1000	Drive, extract & salvage 15' deep excavation, 22 psf, left in place		12.25	5.224 .065	の代表の手手手に	505 14.35	207 	270 3.37	982 20.30	1,175
	135 255	1300	Drive, extract & salvage		545	117		5.65	4.64	6.10	16.39	20
	177	1500 1600	20' deep excavation, 27 pst, left in place Drive, extract & salvage		960. 485	.067		18 05 7.35	2.64 5.20	3.45 6.85	24.14 19.40	28 24
	325 229	1800	25' deep excavation, 38 pst, left in place		1000	.152		26.50	2.53	3.31	32.34	36.50
	460	1900	Drive, extract & salvage	*	553	.116	V	10.05	4.58	6	20.63	25
		2100 2200	Rent steel sheet piling and wales, first month Per added month				Ton	263 26,50			263 -26,50	289
		2300	Rental pilling left in place, add to rental					980			980	1,075
		2500 2/00	Woles, connections & struts, 2/3 salvage High strength piling, 50,000 pst, add					275 66.50			275 66.50	300 73 .
		2800	55,000 psi, add	1				70.50			70.50	77.50
		3000	Tie rod, not upset, 1-1/2" to 4" diameter with turnbuckle					2,200			2,200	2,400
- BESS	5.50. a	3100 3300	No turnbuckle Upset, 1-3/4" to 4" diameter with turnbuckle					1,675 2,450			1,675 2,450	1,850 2,700
- 64 7(	0	3400	No turnbuckle				V	2,125			2,125	2,350
101		3600 3610	Ughtweight, 18" to 28" wide, 7 ga., 9.22 pst, and 9 gp., 8.6 pst; minimum				lb.	.90			.90	
154	4	3700	Averoge				ш. s	.98			.98	1.08
		3750	Moximum				V	1.12	Conception of the second	22.00.00	1.12	1.23
		3900 3910	Wood, solid sheeting, incl. wales, braces and spacers, drive, extract & salvage, 8' deep excavation	B-31	330	.121	S.F.	1.47	4.08	.55	6.10	8.55
		4000	10' deep, 50 S.F./hr. in & 150 S.F./hr. out		300	.133	Ļ	1.52	4.49	.60	6.61	9.30
					, _			·				





An employee-owned company

August 13, 2009 Project No: 100005742 Invoice No: 1054271

REFERENCE

Teresa Carver, Director Solid Waste Animal Services 685 Airport Road Wauchula FL 33873

Project: 100005742

Hardee: Landfill Gas & GW Monitoring PO# 500873 Landfill gas and GW Monitoring

# Professional services from January 1, 2009 to July 31, 2009

Fee	Percent	Earned	
619.00	100.00	619.00	
4,536.00	100.00	4,536.00	
967.00	100.00	967.00	
600.00	100.00	600.00	
2,010.00	100.00	2,010.00	
950.00	100.00	950.00	
9,682.00	Total Earned	9,682.00	
	Previous Fee Billing	0.00	
	Current Fee Billing	9,682.00	
	Total Fee		9,682.00
Current	Prior	To-date	
9,682.00	0.00	9,682.00	
		17,313.00	
		7,631.00	
	619.00 4,536.00 967.00 600.00 2,010.00 950.00 9,682.00	619.00       100.00         4,536.00       100.00         967.00       100.00         600.00       100.00         2,010.00       100.00         950.00       100.00         9,682.00       Total Earned         Previous Fee Billing         Current Fee Billing         Total Fee	619.00         100.00         619.00           4,536.00         100.00         4,536.00           967.00         100.00         967.00           600.00         100.00         600.00           2,010.00         100.00         2,010.00           950.00         100.00         950.00           9,682.00         Total Earned         9,682.00           Previous Fee Billing         0.00           Current Fee Billing         9,682.00           Total Fee         Total Fee           0.00         9,682.00

Total this invoice \$9,682.00

## Please Remit Payment to: PBS&J P.O. Box 409357 Atlanta, Ga. 30384-9357 Tax ID # 59-0896138

Should you have any question regarding this invoice, please call Greg Mudd at (407) 806-4339.

482 South Keller Road • Orlando, Florida 32810-6101 • Telephone: 407.647.7275 • www.pbsj.com

# FLORIDA JETCLEAN

# HIGH PRESSURE WATER JETTING – VACUUM EXTRACTION – PIPELINE TV INSPECTION - PIPE LOCATING – NO DIG REPAIRS

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19019 Fern Meadow Loop Lutz, FL 33558 www. floridajetclean.com TEL: 800-226-8013 FAX: 813-926-4616

REFELENCE

# PROPOSAL

DATE	: 8/25/2009
ТО	: Drew Warner – SCS Engineers
FROM	: Ralph Calistri (floridajetclean@tampabay.rr.com)
SUBJECT	: Leachate Collection System Maintenance at Hardee County Landfill

Thank you for your inquiry. We confirm our capability and interest in carrying out this work at the Hardee County Landfill.

**FLORIDA JETCLEAN** specializes in leachate collection system maintenance and inspection, and has developed a considerable amount of specific expertise in this field over the last 12 years. Our company has worked at an extensive number of landfills in Florida, Georgia, the Carolinas, Delaware, and westward to Arkansas. We have worked with most engineering companies active in this field, and have also fostered excellent working relationships with the regulatory authorities. We use modified jetting equipment designed to achieve extended pipe distances found in landfill environments and our explosion proof camera equipment complies with OSHA and regulatory mandates for methane environments. Substantial references are available on request.

- Florida Jetclean, Inc. is consistently successful in Leachate pipe cleaning because of our ability to address extended distances from a single point of entry. Typical lower-end equipment is designed for much shorter pipes in sewer environments and is just not capable of distances required in Leachate collection systems. We will provide very capable, high-end equipment, and seasoned operators to help ensure success. Our current distance record from a single point of entry is 1,650'.
- 2) Florida Jetclean, Inc. uses only <u>explosion proof</u> (certified Class 1, Division 1, Gas Groups C & D) tractor-driven or push-rod video inspection equipment. <u>THIS</u> <u>CERTIFICATION IS MANDATED BY OSHA IN METHANE PIPING</u>. Our equipment and procedures fully meet OSHA and DEP requirements, and <u>we will put it in writing</u>.

Proposal to provide high-pressure water-jetting and explosion-proof video-inspection services on the Phase I leachate collection system and the Phase II Section I leachate collection and groundwater collection systems at the Hardee County Landfill, as follows:

# Approximately

- •

4,372' of Phase I Leachate Collection Pipe

6,181' of Phase II Section I Groundwater Collection Pipe

2,350' of Phase II Section I Leachate Collection Pipe

1,300' of Phase II Section I Toe Drains

Two days of vacuum extraction of dislodged sediments from pump stations and sumps.

Total Cost = \$ 32,695.00

The proposal is subject to the following :

- The above pipe cleaning covers biomass and light silt removal. Scale removal and blockage penetration may require the use of 10,000PSI/20GPM pipeline water-blasting equipment billable at \$1,950/day. Pipes affected by heavy silting may require additional hourly billing.
- An adequate, no charge, on site water supply for jetcleaning.
- Debris vacuum extracted from landfill vaults to be dumped back on site at no charge.
- 2 wheel drive vehicle access within 10'-15' of each cleanout or manhole;
- Continuity of access allowing work to be carried out on a single mobilization
- Exposed and opened cleanouts/manholes at ground level
- Standby time chargeable at \$200.00 per hour should delays not of our making delay progress e.g. bad weather, access problems, high leachate flow levels etc.
- Pricing is unrelated to actual or achieved footages but on the number of setups required and the time we anticipate being on site.
- Current technology limitations may preclude the use of tractor video systems (range 1250') in 8" lines restricted to cleanout access. If a push video system has to be used, we will be limited to a maximum 500' from each point of entry.
- Our equipment and procedures fully meet OSHA and DEP requirements. In particular our video inspection equipment is certified Class 1, Division 1, Groups C & D (i.e. explosion proof). This is mandated in methane piping by OSHA.
- Video log and report together with video tapes will be provided after completion.

Regards,

Ralph Calistri - Florida Jetclean.

4041 Park Oaks Boulevard Suite 100 Tampa, FL 33610



# SCS ENGINEERS

# SCS ENGINEERS FEE SCHEDULE

(Effective July 1, 2009 through June 30, 2010)

	Rate/Hour (\$)
Principal/Office Director	200
Project Director	190
Senior Project Advisor	150
Senior Project Manager	150
Project Manager	140
Senior Project Professional	115
Project Professional	95
Designer	98
Staff Professional	88
Senior Technician 2	88
Senior Technician 1	67
Associate Staff Professional	74
Draftsperson	72
Technician	62
Office Services Manager	75
Secretarial/Clerical	55

- 1. The hourly rates are effective through June 30, 2010. Work performed thereafter is subject to a new Fee Schedule issued for the period beginning July 1, 2010.
- 2. The above rates include salary, overhead, administration, and profit. Other direct expenses, such as analyses of air, water and soil samples, reproduction, travel, subsistence, subcontractors, computers, and other reimbursable fees, are billed in accordance with the attached reimbursables fee schedule or at cost plus 15 percent for administration.
- 3. For special situations, such as expert court testimony, hourly rates for principals of the firm will be on an individually-negotiated basis.

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# SCS ENGINEERS REIMBURSABLES FEE SCHEDULE (Effective July 1, 2009 through June 30, 2010)

ADMINISTRATION/MILEAGE	Unit Cost (\$)	- <u>Unit</u>
Reimbursable		
Vehicle Mileage	0.55	mile
Truck Usage	\$70	day
Faxes	5 1	1 <sup>st</sup> Page each additional page
Reproduction (Xerox)	0.10	each
Reproduction (Color Copies)	1.25	each
CAD Usage	20	hour
EQUIPMENT/FIELD SUPPLIES	<u>Rate</u> (\$)	<u>Unit</u>
Sampling Trailer, Field Equipped	250	Day

Field-equipped sampling trailer includes equipment and supplies for soil and groundwater sampling, decontamination, health and safety, logs, packing and shipping, and miscellaneous uses.

Calibration:		
Conductivity Standards *	1	Ounce
Isobutylene *	1	Liter
Methane in Air OVA Calibration Gas *	1	Liter
Pentane in Air *	1	Liter
pH Buffer Solutions (4,7,10) *	1	Ounce
Decontamination Equipment:		
Brushes *	5	Day
Distilled/Deionized Water *	1	Gallon
Isopropyl Alcohol *	1	Ounce
Liquinox Soap Concentrate *	1	Ounce

EQUIPMENT/FIELD SUPPLIES	<u>Rate</u> (\$)	<u>Unit</u>
Plastic Buckets *	5	Day
Poly Sheeting *	1	Square Foot
Health and Safety Equipment:	// 6.6	
Altair 4 Monitor	10/100	- Day/Month
Half-face/Full-face Respirators	20	Day
Personal H2S Monitor	5/50	Day/Month
Respirator Cartridges	10	Each
Tyvec Coveralls	5	Each
Hydrogeology Pumps:		
Centrifugal Trash Pump *	15	Day
Grundfos Submersible Pump	25	Day
Peristaltic Pump *	15	Day
Whale Pump*	15	Day
Indoor Air Quality Equipment:		
Bore scope	50	Day
DryCalc DC-Lite Calibrator	25	Day
Moisture Encounter ME-1	40	Day
Protimeter Mini Moisture Meter	35	Day
SKC Air Sampling Pump and Calibrator	15	Day
TSI IAQ Calc Air Quality Meter	50	Day
Zefon International Bio-Sampler Pump	50	Day
Industrial Hygiene Equipment:		
CrowCon Gasman Meter – HF	25	Day
CrowCon Gasman Meter – H2S	25	Day
CrowCon Gasman Meter – SO2	25	Day
	25	-
CrowCon Gasman Meter – NH3	25	Day
CrowCon Gasman Meter – CO		Day
DC-10 Noise Calibrator	25	Day
NoisePro DL	25	Day
TES1350 Sound Level Meter	25	Day
TSI VelociCalc/Micro Velometer	50	Day

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EQUIPMENT/FIELD SUPPLIES	<u>Rate</u> (\$)	<u>Unit</u>
Walchek II Air Screening System	50	Day
Landfill Gas Field Equipment		
Wellhead	15	Day
Blower on Skid	45	= Day
Media Measurement Equipment:		
Conductivity Meter *	15	Day
Draeger Air Screening System *	20	Day
DO Meter*	15	Day
GasTech Gas Meter	50	Day
GEM Soil Gas Meter	125	Day
Heath Porta FID II OVA *	50	Day
Horiba U-10 Water Quality Meter	60	Day
Oil/Water Interface Probe	25	Day
pH Meter *	15	Day
Temperature Meter *	15	Day
Tier 2 Gauge	50	Day
Turbidity Meter *	15	Day
Water Level Indicator *	15	Day
YSI Cond/Temp/Salinity Meter *	50	Day
Miscellaneous Equipment:		
Absorbent Material	15	Cubic Foot
Air Compressor	60	Day
Cordless Saw	20	Day
Generator	60	Day
Global Positioning System (GPS)	45	Day
Hammer Drill	15	Day
Laser Level Surveying Package	75	Day
Power Inverter	10	Day
Regent Lighting*	5	Day
Ryobi Drill	7	Day
Silicon Tubing *	2	Foot
Teflon Tubing *	4	Foot

EQUIPMENT/FIELD SUPPLIES	<u>Rate</u> (\$)	<u>Unit</u>
Traffic Control Cones *	5	Day
Transit Level Surveying Package	50	Day
Tygon Tubing *	2	Foot
Video Camera	50	Day
Walky Talkys*	10	Day
Soil Sampling Equipment:		
Hand Drill Auger System	25	Day
Sampling Tube - Acrylic, SS	5	Day
Slide Hammer *	10	Day
Bar Punch	10	Day
SS Bowls, Spoons, Scoops, etc. *	5	Day
SS Hand Auger - Bucket, Dutch *	10	Day
Water Sampling Equipment:		
QED Micropurge w/Flow Cell*	200	Day
Reusable Teflon Bailer/Lanyard *	5	Day

\* = Included in standard trailer rental.

### MANPOWER AND FEE ESTIMATE - ITEMS 10 AND 11, FINANCIAL ASSURANCE HARDEE COUNTY REGIONAL LANDFILL PHASE I CLOSURE

11 a - Contract Management

11 b - CQA

<u>Task Key</u>

10 a - Closure Plan Report	10 d - Final Survey
10 b - FDEP Coordination	10 e - Construction Certification
10 c - Bidding	

			Engineerir	ıg		Professional	Services	Total	Rate	Total
Personnel	10 a	10 b	10 c	10 d	10 e	11 a	11 b	(hours)	(\$)	(\$)
Office Director					4			4	200	800
Project Director	40	16	16		24	64	16	176	190	33,440
Project Manager	240	40	40		80	220	120	740	140	103,600
Senior Project Professional	240	40	24			80	90	474	115	54,510
Project Professional	160		24			40	•	224	95	21,280
Staff Professional	160							160	88	14,080
Associate Staff Professional				24		150		174	74	12,876
Designer	160	40	8		24	40		272	98	
Drafter	80				32	24		136	72	
Senior Technician			16			720	720	1,456	88	128,128
Secretarial/Clerical	26	16	8		8	40	24	122	55	6,710
Subtotal Labor (hours)	1,106	152	136	24	172	1,378	970	3,938		
Subtotal Labor (\$)	120,950	18,040	16,312	1,776	21,656	138,268	94,870			411,872
Reimbursables (See Table 2)	4,787	1,292	512	8,000	867	2,406	61,082			78,946
G&A, 15 percent reimbursables	718	194	. 77	1,200	130	361	9,162			11,842
Total reimbursables	5,505	1,486	589	9,200	997	2,767	70,244			90,788
Subtotal, Fee Estimate	126,455	19,526	16,901	10,976	22,653	141,035	165,114			502,660
	Closure Applic	ation			Constructio	on Costs				
	Total =	145,981			Total =	356,679				
			Tota	al 10a,b,c,d,e	196,511	Total 11a&11b	306,149			

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#### MANPOWER AND FEE ESTIMATE - ITEMS 10 AND 11, FINANCIAL ASSURANCE HARDEE COUNTY REGIONAL LANDFILL PHASE I CLOSURE

# REIMBURSABLES ESTIMATE (Task Amounts) Task Key 10 a - Closure Plan Report 10 d - Final Survey 11 a - Contract Management Reimbursable 10 b - FDEP Coordination 10 e - Construction Certification 11 b - CQA Total = 78,944 10 c - Bidding 1 10 e - Construction Certification 11 b - CQA Total = 78,944

	Unit Cost				201 <u>1111111111111</u>	<u> </u>				Total	Total
Reimbursable	(\$)	Unit	10 a	10 b	10 c	10 d	10 e	<u>11 a</u>	11 b	Units	(\$)
Subconsultants, Topographic survey	1	LS				8,000				8,000	8,000
Subcontractors/Drillers	1	LS									0 0
Laboratory Services	1	EA							34,000	34,000	34,000
Vehicle Mileage (Auto)	0.55	MI	30	30	30		30			120	66
Vehicle Mileage (Truck)	0.60	MI									0 0
Company Vehicle	70	DA	2	2	_1		1	10	10	26	1,820
Truck	70	DA			1				126	127	8,890
Parking & Tolls	1	LS								C	0
Meals	36	DA							182	182	6,552
Lodging, Hotel	55	DA							182	182	10,010
Telephone Calls	5	ÉA	. 35	10	5		5	25	75	155	775
Faxes	See 5.	PG	20	7	5		5	25	25	87	435
Postage & Freight	10	LS	25	5	5		5	50	50	140	1,400
Reproduction (Xerox)	0.1	EA	1,550	500	200		500	1,560		4,310	431
Reproduction (Graphics) CADD	3	EA	250	50	25		50			375	1,125
Computer (CADD)	20	HR	160	40	8	0	24	40	0	272	5,440
Quality Assurance Testing	1	LS									0
Licenses/Permits	1	LS	0								0

11

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SCS ENGINEERS											
				Sheet		of					
Client	Project				Job No.						
Hardee County	Permit Modifica	tion			091	99033.19					
Subject Closing Costs Phase I				By DA	w	Date					
Closing Costs Filase I				Checked	¥¥	8/20/9009 Date					
				Checked							
TASK											
Calculate and provid	le reasoning for Ite	ms 10	and 11 of Es	stimated Closin	ng Costs						
ATTACHMENTS											
Manpower and Fee Includes: Manpower		e by Ta	ask Dollars a	nd Reimbursa	bles Estimate						
NOTE For a 13.	6 acre (surface are	a) clos	ure, manpow	ver and fee esti	mate is attac	had.					
<u> Item 10 - Engineering</u>											
10 a - Closure Plan Repor	L										
Manpower	Но	urs	Reasoning								
Project Director	4		Project revie	ew							
Project Manager	24	10	Oversee Clo	sure Design, F	Review Specs	& Project Management					
Senior Project Profe	ssional 24	10	Closure desi	ign and specifi	cations						
Project Professional	16	50	Closure desi	ign and specifi	cations						
Staff Professional	16	50	Closure desi	ign and specifi	cations						
Designer	16	50	Complete an	nd reproduce c	losure design	drawings					
Drafts Person	8	0	Complete an	nd reproduce c	losure design	drawings					
Admin	2	6	Word proce	ss support							
Reimbursables	\$5,5	05.00	See attached	l breakdown fo	or Phase 1						
10 b - FDEP Coordination	3										
Manpower	Ho	urs	Reasoning								
Project Director	1	6	Response to	FDEP comme	ents, checking	g & project management					
Project Manager	4	0		FDEP comme							
Senior Project Profe	ssional 4	0		FDEP comme							
Designer	4	0		nd reproduce c		drawings					
Admin	1	6	Word proce	•	U	2					
Reimbursables	\$1,4	86.00	See attached	i breakdown fe	or Phase 1						

			SCS E	NGINEE	RS		
					Sheet		of
Client		Project				Job No.	
]	Hardee County	Permit Mo	lification				09199033.19
Subject					Ву		Date
Closing (	Costs Phase I				D	AW	8/20/9009
					Checked		Date
10 c - Bi	dding						
	Manpower		Hours 1	<u>Reasoning</u>			
	Project Director		16	Project revie	ew		
	Project Manager		40	Response to	bidder's q	uestions ar	nd Project Management
	Senior Project Profe		24	Response to			
	Project Professional	I	24	Response to			
	Senior Technician		16	Response to			
	Designer		8	Reproduce I			
	Admin		8	Reproduce a	and assemi	ole bid pac	kage
	Reimbursables		\$589.00	See attached	l breakdov	vn for Phas	e I
10 d - Fi	nal Survey						
	Manpower		Hours 1	Reasoning			
	Staff Engineer		24	Coordinatio	n with sur	veyor	
	Reimbursables		\$9,200.00	See attached	l breakdov	vn for Phas	e I
10 e - Co	onstruction Certifica	tion					
	Manpower		Hours	Reasoning			
	Office Director		4	Final review		-	rt
	Project Director		24	Review of c		•	
	Project Manager		80	•			oject Management
	Designer		24	Produce rec		0	
	Drafts Person		32	Produce rec		ıgs	
	Admin		8	Production	support		
	Reimbursables		\$997.00	See attached	l breakdov	n for Phas	ie 1

		SCS E	NGINEE	RS				
				Sheet	-	of		
Client		Project			Job No.			
1	Hardee County 1	Permit Modification				09199033.19		
Subject				Ву		Date		
Closing C	Costs Phase 1				\W	8/20/9009		
				Checked		Date		
<u>Item 11 -</u>	Professional Services							
11 a - Co	ontract Management		Full-time du	ring constr	uction			
	Project Director	60	Project review	,				
	Project Manager	220	5		questions a	nd Project Management		
	Senior Project Professi	onal 80	Response to c		•			
	Project Professional	40	Response to c	ontractor's	questions			
	Associate Staff Profess	ional 150	Response to c	ontractor's	questions			
	Designer	40	Project drawing	ngs				
	Drafts Person	24	Project drawing	ngs				
	Admin	40	Production su	pport		- Tigles		
j	Resident Technician	1,560	On site full-ti	me				
	Reimbursables	\$2,767.00	See attached l	oreakdown	for Phase I			
11 b - Qu	ality Assurance		Full-time during construction					
	To cover liner, manpov \$250	ver and testing assume 0/acre x 12.5 acres =	e \$2500/acre oi \$34,000.00	f closure				
	Project Director	16	Project review	v				
	Project Manager	120	5		questions a	nd Project Management		
	Senior Project Professi	onal 90	Response to c	ontractor's	questions	, , , , , , , , , , , , , , , , , , ,		
	Resident Technician	720	On site full-ti	me	-			
	Admin	24	Production su	pport				
	Reimbursables	<b>\$70,244</b> .00	See attached l	breakdown	for Phase I			
TOTAL I	PHASE I CLOSURE CO	ST = \$502,660.00						
TOTAL	PHASE II SECTION 1 C	LOSURE COST =	\$368,786.00					

### MANPOWER AND FEE ESTIMATE - ITEMS 10 AND 11, FINANCIAL ASSURANCE HARDEE COUNTY REGIONAL LANDFILL PHASE II SECTION I CLOSURE

<u>Task Kev</u>

10 a - Closure Plan Report	10 d - Final Survey
10 b - FDEP Coordination	10 e - Construction (
10 c - Bidding	

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10 d - Final Survey11 a - Contract Management10 e - Construction Certification11 b - CQA

			Engineering	g		Professional	Services	Total	Rate	Total
Personnel	10 a	10 b	10 c	10 d	10 e	11 a	11 b	(hours)	(\$)	(\$)
Office Director					4			4	200	800
Project Director	30	16	16			64	16	142	190	26,980
Project Manager	200	16	40		40	200	100	596	140	83,440
Senior Project Professional	200	8	24			60	60	352	115	
Project Professional	160		24			20	20	224	95	
Staff Professional	160							160	88	14,080
Associate Staff Professional				24				24	74	1,776
Designer	160		8		16	40		224	98	21,952
Drafter	80				24	24		128	72	9,216
Senior Technician			16		40	480	480	1,016	88	89,408
Secretarial/Clerical	32	2	8		8	40	16	106	55	5,830
Subtotal Labor (hours)	992	26	120	24	132	864	656	2,976		
Subtotal Labor (\$)	109,180	6,310	16,312	1,776	13,656	99,048	68,960			315,242
Reimbursables (See Table 2)	4,787	492	512	8,000	707	2,406	29,656			46,560
G&A, 15 percent reimbursables	718	74	77	1,200	106	361	4,448	,		6,984
Total reimbursables	5,505	566	589	9,200	813	2,767	34,104			53,544
Subtotal, Fee Estimate	114,685	6,876	16,901	10,976	14,469	101,815	103,064			368,786
	Closure Applic	ation			Constructio	on Costs				
	· Total =	121,561			Total =	247,225				
			Tota	I 10a,b,c,d,e	163,907	Total 11a&11b	204,879			

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### MANPOWER AND FEE ESTIMATE - ITEMS 10 AND 11, FINANCIAL ASSURANCE HARDEE COUNTY REGIONAL LANDFILL PHASE II SECTION I CLOSURE

REIMBURSABLES ESTIMATE	(Task Amounts)		
<u>Task Key</u>			
10 a - Closure Plan Report	10 d - Final Survey	11 a - Contract Management	Reimbursable
10 b - FDEP Coordination	10 e - Construction Certification	11 b - CQA	Total = 46,558
10 c - Bidding			

	Unit Cost			en de la companya de						 Total	Total
Reimbursable	(\$)	Unit	10 a	10 Ь	10 c	10 d	10 e	11 a	11 b	Units	(\$)
Subconsultants, Topographic survey	1	LS				8,000				8,000	8,000
Subcontractors/Drillers	1	LS								0	0
Laboratory Services	1	EA							12,500	12,500	12,500
Vehicle Mileage (Auto)	0.55	MI	30	30	30		30			120	66
Vehicle Mileage (Truck)	0.60	MI								0	0
Company Vehicle	. (* 70)	DA	2	2	1		1	10	10	26	1,820
Truck	- 70	DA			1				96	97	6,790
Parking & Tolls	1	LS								0	0
Meals	36	DA							96	96	3,456
Lodging, Hotel	55	DA							96	96	5,280
Telephone Calls	5	EA	. 35	10	5		5	25	75	155	775
Faxes	調査的	PG	20	7	5		5	25	25	87	435
Postage & Freight	10	LS	25	5	5		5	50	50	140	1,400
Reproduction (Xerox)	0.1	EA	1,550	500	200		500	1,560		4,310	431
Reproduction (Graphics) CADD	3	EA	250	50	25		50			375	1,125
Computer (CADD)	20	HR	160	0	8	0	16	40	0	224	4,480
Quality Assurance Testing	1	LS									0
Licenses/Permits	1	ĽS	0							0	0

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SCS ENGINEERS										
				Sheet		of				
Client	Project				Job No.					
Hardee County	Permit Modificat	tion			091	99033.19				
Subject	_			Ву		Date				
Closing Costs Phase II Section	on I			DA	W	8/20/2009				
				Checked		Date				
<u>TASK</u> Calculate and provid	e reasoning for Ite	ms 10	and 11 of E	stimated Closin	ng Costs					
<b>ATTACHMENTS</b>										
Manpower and Fee I Includes: Manpowe		e by Ta	ask Dollars a	nd Reimbursa	bles Estimate					
NOTE For a	i acre (surface are	a) clos	ure, manpow	ver and fee esti	mate is attac	hed.				
Item 10 - Engineering										
10 a - Closure Plan Report										
Manpower	Но	urs	Reasoning							
Project Director	3	0	Project revi	ew						
Project Manager	20	00	Oversee Clo	osure Design, F	Review Specs	& Project Management				
Senior Project Profe	ssional 20	)0	Closure des	ign and specifi	ications					
Project Professional	10	50	Closure des	ign and specifi	ications					
Staff Professional	10	50	Closure des	ign and specifi	ications					
Designer	10	50	Complete a	nd reproduce c	losure design	drawings				
Drafts Person	8	0	Complete a	nd reproduce c	losure design	drawings				
Admin	3	2	Word proce	ss support						
Reimbursables	\$5,5	505.00	See attache	d breakdown fo	or Phase II S	ection I				
10 b - FDEP Coordination	1									
Manpower	Ho	urs	Reasoning							
Project Director	1	6	Response to	FDEP comme	ents, checkin	g & project management				
Project Manager	1	6	Response to	FDEP comm	ents					
Senior Project Profe	ssional	3	Response to	FDEP comme	ents					
Admin		2	Word proce							
Reimbursables	\$1	566.00	See attache	d breakdown f	or Phase II S	ection I				

			SCS EI	NGINEE	RS		
					Sheet		of
Client		Project				Job No.	
Ha	rdee County	Permit Mod	dification				09199033.19
Subject					Ву		Date
Closing Cos	sts Phase II Section	1			]	DAW	8/20/2009
					Checked	1	Date
10 c - Bidd	ing						
1	Manpower		Hours	Reasoning			
	Project Director		16	Project revi	ew		
	Project Manager		40				nd Project Managemen
	Senior Project Profe	ssional	24	Response to	bidder's	questions	
	Project Professional		24	Response to			
5	Senior Technician		16	Response to			
I	Designer		8	Reproduce	bid packs	age drawing	S
1	Admin		8	Reproduce	and asser	nble bid pac	ckage
I	Reimbursables		\$589.00	See attached	d breakdo	own for Pha	se II Section 1
10 d - Fina	l Survey						
	Manpower		Hours 1	<u>Reasoning</u>			
5	Staff Engineer		24	Coordinatio	n with su	irveyor	
ł	Reimbursables		\$9,200.00	See attached	d breakdo	own for Pha	se II Section I
10 e - Cons	truction Certificat	ion					
	Manpower		Hours	Reasoning			
	Office Director		4	Final review			
	Project Manager		40				roject Management
	Designer		16	Produce rec			
	Drafts Person		24	Produce rec			
	Senior Technician		40	Complete co		on report	
1	Admin		8	Production	support		
I	Reimbursables		\$813.00	See attached	d breakdo	own for Pha	se II Section 1

			SCS	ENGINEER	RS		
					Sheet		of
Client		Project				Job No.	
Ha	ardee County	Permit Modif	ication				09199033.19
Subject					Ву		Date
Closing Co.	sts Phase II Section 1				DA	4W	8/20/2009
					Checked		Date
<u> Item 11 - P</u>	rofessional Services						
11 a - Con	tract Management			Full-time duri	ng constru	ction	
	Project Director		54	Project review	·		
	Project Manager	2	00	-	ntractor's q	uestions and	d Project Management
	Senior Project Profess	sional	50	Response to co			, ,
	Project Professional	-	20	Response to co	-		
	Associate Staff Profes	ssional		Response to co	ntractor's q	uestions	
	Designer		40	Project drawing	gs		
	Drafts Person		24	Project drawing			
	Admin		40	Production sup	-		
	Resident Technician	4	80	On site full-tim	-		
	Reimbursables	\$	2,767.00	See attached br	eakdown fo	or Phase II :	Section 1
11 b - Qua	lity Assurance			Full-time duri	ng constru	ction	
	To cover liner, manpo	ower and testin	g assume	e \$2500/acre of a	closure		
	:	\$2500/acre x 5	acres =	\$12,500.00			
	Project Director		16	Project review			
	Project Manager		00	Response to co	ntractor's q	uestions and	d Project Management
,	Senior Project Profess	sional	50	Response to co	ntractor's q	uestions	
	Resident Technician	4	80	On site full-tim	e		
	Project Professional	:	20	Response to co	ntractor's q	uestions	
	Admin		16	Production sup	port		
	Reimbursables	\$3	4,104.00	See attached br	eakdown fo	or Phase II	Section I
TOTAL PH	ASE I CLOSURE C	OST = \$50	2,660.00	•			
TOTAL PH	ASE II SECTION I	CLOSURE CO	ST =	\$368,786.00			

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	32	01 Operation and Ma	intenance		<u>I</u> E	(te	rior				
	32 0	190 – Operation and Maintenan	ce of Planting	2.1.46.4 (1 1.) (2 1.44)	· ·					NCE	
	32 01 9	90.19 Mowing	Crew	Daily Output	Labor- Hours	Unit	Material	2009 Bar Labor	e Costs Equipment	Total	Total Incl O&P
	4050	Power mower, 18" - 22"	1 Clob	- 65	,123	MS.F.		3.89		3.89	6.05
	4100 4150	22" · 30" 30" · 32"		110 140	.073			2.30		2 30 1 81	3.56 2.80
	4150	50 512 Riding mower, 36" 44"	₩ B-65	300	.027			1.04	$\mathcal{I}$	1.81	2:42
	4170	48" - 58"	"	480	.017	¥	ananan an an tha shaka na an	.65	.48	1.13	1.51
	4175 4180	Mowing with tractor & attachments 3 gang reel, 7'	B-66	930	.009	M.S.F.		.34	.25	.59	.77
	4100	5 gang reel, 12'		1200	.007	1.5.1.		.26	.19	.45	.60
	4200	Cutter or sickle bar, 5', rough terrain		1.1.1	1			1.49	1.10	2.59	3.45
	4210	Cutter or sickle-bar, 51, smooth terrain Drainage channel, 51 sickle bar		340 5	.024 1.600	Mile		.92 62.50	.68 46	1.60 108.50	2.13. 145
	4250	Lownmower, rotary type, sharpen (all sizes)	in and the second se	all shall	.800	Eu.=		25.50	10	25.50	39
	4260	Repoir or replace part		7	1.143	"	-m>	36		36	56
	5000	Edge trimming with weed whacker		5760	.001	L.F.		.04		.04	.07
		90.23 Pruning PRUNING						[2] - [2]	a da di		
	0020	1+1/2" culiper	1 Clob	84	.075	Ea.		3.01		3.01	4.62
	0030	2" coliper		70	114			3.61		3.61 C 05	5.60
	0040	2·1/2" coliper 3" coliper		50 30	.160			5.05 8.45		5.05 8.45	7.85
	0060	4" caliper, by hand	2 Clab	21	.762			24		24	37.50
	0070	Aeriol lift equipment	B-85	38	1.053			35.50	23	58.50 42	80
	0100	6" coliper, by hand Aerial lift equipment	2 Clab B-85	12 20	1.333			42 67	43'50	42	65.50 151
	0200	9° colliper, by head	2 Clab	7.50	2.133			67.50		67.50	105
	0210	Aerial lift equipment	a sure of the second	12.50	Provide State of a			108	70	178	242
	0300	12" coliper, by hand Aerial lift equipment	2 Clob B-85	and the second second	2.462			78 125	81	7/8 206	121 280
	0400	18" caliper by hand	2 Clab	5.60	2.857			90.50	•	90.50	140
	0410	Aerial lift equipment	B-85	r	4.301			145	94	239	325
	0500	24" coliper, by hand Aenal lift equipment			3.478			110	113	110 288	170 395
North Division	0600	30" coliper, by hand	the state of the state of the state of the state of the	and the second	4.324	The second		137		137	212
a	0610	Aenal lift equipment	and the second se	FIGE OF STREET	6.452			217	141	358	490
	0700 0710	36" coliner, by hand Aerial lift equipment	- 2 Cinb B-85	4.50	5.926 8.889			187 299	194	187 493	290 675
	0800	48" caliper, by hand	2 Clob		9.412			297		297	460
	0810	Aerial lift equipment	B-85	2.80	14.286	¥		480	310	790	1,075
	ACCURATE ACC	90.24 Shrub Pruning		116.55		1000	and the second	The second second	· ·		
	6700	SHRUB PRUNING Prone, shrub bed	1 Clob	ie T	1.143	MSE		36		36	56
	6710	Shrub under 3 <sup>r</sup> height		190		Ea.		1.33		1.33	2.06
	6720	4' height		90	.089		and the second	2.81		2.81	4.36
	6730 7350	Over 6' Prune trees from ground		50 20	.160 .400			5.05 12.65		5.05 12.65	7.85 19.60
	7360	High work		8	.400			31.50		31.50	49 ~~
Acade Party	32 01	90.26 Watering	¥			1 ¥	I				
	Exception 12 (2013)	WATERING									
Ó O	4900	Water lawn or planting bed with hase, 1" of water	1 Clob	CAS	2.9-24.9-25-25-25	M.S.F.		15.80	$\frac{1}{ V } = \frac{1}{ V }$	15.80	and the second se
nu -	4910	50' soaker hosas, in place 60' soaker hoses, in place		82 89	.098 .090			3.08 2.84		3.08 2.84	bar weet the second
5	7500	Water trees or shrubs, under 1" coliper		32	.250	Eo.		7.90		7.90	A STATISTICS AND AND THE PARTY OF A
_		·		1		1	1			1	273

SCHOOL STREET, SCHOOL	UT Operation and Mainten					<b>ne</b> n	And the Address of th			
240	11 30 - Operation and Maintenance of Si	te imp	CONTRACTOR OF A	A DECK AND A DECK AND A DECK	its .		2009 BC		ICE(12)	)
0 04	20.10 Fito Maintonanzo		Daily Labor-			N1	<b>7</b> .1	Total		
3200	30.10 Site Maintenance Using gas powered edger at walks	Crew 1 Clob	Output 88	Hours 1.091	Unit C.L.F.	Material	Labor 2.87	Equipment	Total 2.87	Ind Og
3250	At planting beds		24	.091	1		10.55		10.55	4.4
3260	Vacuum, 30" gas, outdoors with hose		96	.083	₩.L.F.		2.63		2.63	16.3
3400	Weed lawn, by hand		3	2.667	M.L.F. M.S.F.		2.05 84.50		2.63 84.50	4.0
4500	Roke Jeaves of Jawn, by hand		7,50	1:067	M.S.F.		33.50		04.50 33.50	131
4510	Power inka		45	178	an area		35.50 5.60		5.60	52.5
4700	Seeding lawn, see Div. 32-92 19.14	Y	4J	,170			1.00		3.00	6./
4750	Sodding, see Div. 32-92 23,10									
5900	Road & walk mointenance						and a state of the second			
5915	Deicing roads and walks	1								
5920	Calcium Chloride in truckload lats see Div. 31 32 13.30									
6000	Ice melting comp., 90% Calc. Chlor., effec. to -30° F									5
6010	50-80 lb poly bags, med. applic. 19 lbs./M.S.F. by hand	1 Clot	60	133	M.S.F.	18:60	4.21		22.81	27
6050	With hand operated rotary spreader		110	073		18.60	2.30		20.90	.24
6100	Rock shift, med: upplic, on road & welkway, by hand		60	133		4.66	4,21		8.87	11)
6110	With hand operated rotary spreader		1 TIO	.073		4.66	- 2,30		6.96	8.7
6600	Shrub maintenance									
6640	Shrub bed fertilize dry granular 3 lbs./M.S.F.	1 Clat	85	.094	M.S.F.	1.11	2.97		4.08	5.8
6800	Weed, by handhoe		8	1			31.50		31.50	49
6810	Spray out		32	.250			7.90		7.90	12.2
6820	Spray after mulch		48 .	.167			5.25		5.25	8.]
7000	Highway R.O.W. mowing permonth	and all the			Mile		Section 51		27.90%	
7050	Highway, R.O. W. mowing plus herbicides program, per inorth				n				15.75%	
/100	Tree maintenance		Creating and the second							
7140	Clear and grub trees, see Div. 31 11 10.10									
7160	Cutting and piling trees, see Div. 31 13 13.20									
7200	Fertilize, tablets, slow release, 30 gram/tree	1 Clat	100	.080	Ea.	.43	2.53		2.96	4.3
7280	Guying, including stakes, guy wire & wrap, see Div. 32 94 50.10		-							
7300	Planting, treas, Deciduous, in prep. beds, see Div. 32 93 43 10						and the second			
7400	Removal, treas see Div. 32 96 43 20			000		7	10.01		anar	00.1
7420 7430	Pest control, spray		1 24	333	- ta.	19 80	A 400 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0		30.35 25.20	38. 30
APR - I Was	Systemic		48	.167		19.95	5.25		13.10	00
32 (		andng	<b>.</b>							- TO-
	90.13 Fertilizing									
Part and	FERTILIZING				a de la constante de la consta					
0100	Dry granular, 4#/M.5.F., hand spread	. 1 Clai	1 A A A A A A A A A A A A A A A A A A A	.333	MS.F.	2.22	. 10.55		12.77	18.1
0110	Push romry		140	.057	<i></i>	2,22	- 1.81		4.03	5.
0112	Push rotpry, per 1076 feet squared	Y.	130	.062		2.22	1.94		4.16	5,
0120	Tractor towed spreader, 8'	B-66	500	.016	M.S.F.	2.22	.62	.46	3.30	3.
0130	12' spread		800	.010		2.22	.39	.29	2.90	3.3
0140	Truck whirtwind spreader	₩	1200	.007		2.22	.26	.19	2.67	3.1
0180	Water soluable, hydro spread, 1.5 # /MSF	B-64	600	.027		2.25	.83	.55	3.63	<u>4</u>
0190	Add for weed control			根為了	V .				.38 c	
THE REPORT OF THE REPORT OF	90.19 Mowing			10 2100 2					•	
0010	MOWING						The second se			
1650	Mowing brush, tractor with rotary mower-		-	and the second						
1660	Light density	B-84	14 P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C. P. P. Street Barrisk	M.S.F.		15.05	12:45	27.50	36
1670	Medium denstrý		13	.615			25.50	21 -	46.50	61
1680	Heavy density		9	.889			37	30.50	67.50	88.
2000	Mowing, brush/grass, tractor,rotary mower, highway/airport median	↓	13	.615			25.50	F	46.50	61.
2010	Traffic safety flashing truck for highway/airport median mowing	A-2B		8	Doy		248	194	442	595
4000	Lawn mowing, improved areas, 16" hand push	1 Cla	b 48	.167	M.S.F.		5.25		5.25	8.
						· · · · · · · · · · · · · · · · · · ·		±/		

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32 18	23 – Athletic Surfacing		開催さ	-		ha dha			KE (B)		
39 18 9	13.33 Running Track Surfacing	Grew			Labor- Hours	Unit	Material	2009 Bai Labor	re Costs Equipment	Totol	ln.
	UNNING TRACK SURFACING										A COLORED
0020	Running track, asphalt, Incl base, 3" thick	B-37	<b>公司</b> [14]	00	.160	S.Y.	20.50	5.30		26.26	
0100	Surface, latex ruhber system, 3/8" thick, black Colors	B-20	2123	25 25	.192 192	がある	9.30 16.50	6.80 6.80		16.10 23,30	
0150 0300	Urethane rubber system, 3/8" thick, block		200-1403-22	20	.200		25	7.05		32.05	结内
D400	Color coating	. 🖌	1	15	.209	V	30.50	7.40		37.90	
	t		2012/0/09			M602-1-2					2012
32	31 Fences and Gates								- -		
20 34	13 - Chain Link Fences and Gate	s contraction of the second			er (Trainin						
32 31 1	3.20 Fence, Chain Link Industrial										
	ENCE, CHAIN LINK INDUSTRIAL										
0011	Schedule 40, including concrete			-52					4		
020	3 strands barb wire, 2" post @ 10" O.C., set in concrete, 6" H 9 ga. wire, galv, steel, in concrete	B-80	$r \rightarrow \gamma$	NA 1	.100	LF	15.25	3.14	.84	19.23	
0300	Aluminized steel			240	.100		19.55	3,14	.84	23.53	
0500	6 ga. wire, galv. steel			40	.100		24	3.14	.84	27.98	
0600	Aluminized steel 6 ga. wire, 6' high but omit barbed wire, galv. steel		1 -	240 250	.100		27.50 23	3.14 3.01	.84 .81	31.48 26.82	•
0900	Aluminized steel, in concrete			150	.096		32.50	3.01	.81	36.32	A fi
0920	$81$ H, 6 ga, wire, $21/2^{\prime\prime}$ line post, golv, steel, in concrete		Hard Street	80	.133		37	4.18	1.12	42.30	
.0940 1400	Aluminized steel, in concrète Gate for 64 high tence, 1.578° frame, 34 wide, goiv, steel		244.23	80 10	.133 2.400		45.50 177	4.18	-1.12 20	50.80 272.50	
1500	Aluminized steel, in concrete		0000000000		2.400	n	218	75.50	20	313.50	
2000	5'-0" high fence, 9 ga., no barbed wire, 2" line post, in concrete	ļ									
2010 2100	10' O.C., 1-5/8" top rail, in concrete Galvanized steel, in concrete	B-80		800	.080	L.F.	13	2.51	.67	16.18	
2200	Aluminized sleet, in concrete	1000		300	.000	LI.	15.65	2.51	.07	18.83	
2400	Gate, 4' wide, 5' high, 2" frame, golv, steel, in concrete		State.	a second	2:400	Eo.	191	75.50	20	286.50	
2500 3100	Aluminized steel, in concrete Overhead slide gate, chain link, 6" high, to 18" wide, in concrete			10 38-	2.400	, <u>n</u> 	214 167	75.50 19.80	20 -5.30	309.50 192.10	
3105	8' high, in concrete	B-80	Anna Distant	30	1.067	L.I.	165	36	22	223	
3108	10' high, in concrete		1	24	1.333		179	45	27.50	251.50	
3110 3120	Cantilever type, in concrete 8' high, in concrete			48 24	.667 1.333		77.50 111	22.50 45	13.65 27.50	113.65 183.50	
\$130	10 <sup>4</sup> high, in concrete	1			1.778		131	60	36.50	227,50	
5000	Double swing gates, incl. posts & hardware, in concrete.										
5010 5020	5' high, 12' opening, in concrete 20' opening, in concrete	B-80		10 A.	7.059	real sectors	495 675		59.50 72	776,50 1,016	
5060	6' high, 12' opening, in concrete		1. C.	State Links	7.500		835	235	63	1,133	]
5070 5080	20' opening, in concrete			1	9.231		1,150	290	77.50	1,517.50	1
5090	<li>8' high, 12' opening, in concrete 20' opening, in concrete</li>	B-80	1	1	15.002 22.069		1,300 1,700	505 745	305 450	2,110 2,895 d	2 3
5100	10° high, 12° opening, in concrete		1		22.069	54 F.C.	1,625	825	400 500	2,075	200
3110	20' opening; in concrete			.03	31.068		-2,450	1,050	635	4,135	- 4
5120 5180	12' high, 12' opening, in concrete			2 months in a	30.476		2,375	1,025	625 770	4,025	4
5190	20" opening, in concrete For aluminized steel add	V. Contraction		.ø5 .	37,647		3,050 20%	1,275	170	5,095	6
7055	Braces, gaiv, steel	B-80	A S	760	.025	L.F.	2.15	.79	.25	3.19	
7056	Aluminized steel 13.25 Fence, Chain Link Residential	п	9	960	.025	"	2.58	.79	.25	3.62	

32	31 Fences and Gates									
323	11 13 – Chain Link Fences and Gates		建制的 电电 副间的 电电				R	FERE	NCES	14)
		Charles and a second second	Daily	Labor-			2009 Bo			Total
	13.40 Fence, Fabric and Accessories	Crew	Output	Hours	Unit	Material	Labor	Equipment	Total	Incl O&P
1200	6'	B-80A	A Contractor	See The share	LI.	8.10	- 2.85	Contraction and should be	11.86	A CONTRACTOR OF
1250	7' 8'		247 228	.097 .105		11.05 13.90	3.07	.98	15.10	18
1300 1400	o' 9 ga., fused, 4'		220 304	.105		6.10	3.33 2.49	1.06 .80	18.29 9.39	21.50
1450	5'		285	.084		7.25	2.66	.85	10.76	11.45 13
1500	δ <sup>γ</sup>		266	.090		8.60	2.85	.03	12.36	14.90
1550	T = $         -$		247	.097		10-, -	3.07	.98	14.05	36.85
1600	8'		228	.105		14,40	3.33	1.06	18.79	$C^{n}$
1650	Borbed wire, galv, cost per strand		2280	.011		1 .15	.33	<u>-</u> 11		
1700	Vinyl coated		2280	.011	*	.27	.33	.11	.71	.94
. 1750 1800	Extension arms, 3 strands 6 strands, 2-3/8"		143 119	.168 .202	Ea.	9.10 11.65	5.30 6.35	1.70 2.04	16.10 20.04	20 25
1850	6 Sudinus, 2-3/6" Eye tops, 2-3/8"		143	.202		3.92	5.30	1.70	10.92	25 14.40
1900	lop rail, mcl, tie wries, 1-5/8" paiv.		912	.026		3.43	83	27	4.53	535
1950	Vinyl coated		912	026		5.60	.83		6.70	7.45
2100	Rail, middle/bottom, w/tie wire, 1.5/8", gdv.		912	.026		3.02	.83		4.12	4.90
2150	Vinyl couted		.912	.026		4.33			5.43	6.35
2200	Reinforcing wire, coiled spring, 7 ga. galv.		2279	.011		.19	.33	.11	.63	.85
2250	9 ga., vinyl coated	<b>V</b>	2282	.011	4 ]	.28	.33	.11	.72	.95
<u>_</u> 52.	31 23 – Plastic Fences and Gates								A CONTRACTOR	
1 million and a second second	23.10 Fence, Vinyl			Service of the						
100 Y 100 100 100 100 100 100 100 100 10	FENCE, VINYL									
0011_	White, steel reinforced, similess steel fasteners Picket, 4" x 4" posts @ 6" < 0" OE, 3" high	B-1	140	.1/]:	LF	19.85	5,55		25.40	30,50
0030	4' high		130	185	E.F.	23	5.95		28.95	34.50
0040	5' high		120	.200	CPUT CARELS	26	6.45		32.45	39
. 0100	Board (semi-privacy), 5" x 5" posts @ 7' - 6" OC, 5' high		130	.185		27.50	5.95		33.45	39.50 -
0120	6' high		125	.192		31	6.20		37.20	43.50
0200	Basketweave, 5" x 5" posts @ 7' - 6" OC, 5' high	নালার ভারিত	160	.150	2152-03535	24	4.84		28.84	34
0220	6' high Privary, 5" x 5" posts @ 7" - 6" 9C, 5' high			.160 -185		28,50 29:50	-5.15 -5.95		35.65	39,50 
0320	6' high		150	.160		33.50	5.15		38,65	-45
0350	Gote, 5' high		Charles Total	2.667	e. Ea.	415	86		501	590
0360	6' high	181022,556878	9	2.667		425	86		511	600
0400	For posts set in concrete, add	<b>.</b>	25	.960	V	8.45	31		39.45	57.50
32	81 26 - Wire Fences and Gates					· · · · · · · · · · · · · · · · · · ·				
32 31	1 26.10 Fences, Misc. Metal									
0010	FENCES, MISC. METAL									
0012	Chicken wire, posts @4', 1" mesh, 4' high	B-800	410	a share and the second second	L.F.	2,16	1.84		4.49	5.75
0100	2" mesh, 6' high		350	.069		1.95	2.15	.58	4.68	A CONTRACTOR OF
0200	Golv. steel, 12 ga., 2" x 4" mesh, posts 5" 0.C., 3" high		300	.080		3.12	2.51	.67	6.30 7.34	A STATE OF A
0300 0400	5' high 14 ga., 1" x 2" mesh, 3' high		300 300	.080 .080		4.16 3.31	2.51 2.51	.67 .67	. 6.49	8.25
0400	5' high		300	.080		4.58	2.51	.67	7.76	9.65
1000	Kennel fencing, 1·1/2″ mesh, 6' long, 3'-6″ wide, 6'-2″ high	₹ 2 Clab	4	4	Ea.	520	126	,	646	765
1050	12' long		4	4		625	126			880-
1200	Top covers, 1 1/2" mesh, 6" long		15	1.067		106	33.50		139.50	and the second se
1250	12' long		12	1.333		162	42		211	252
- 4500	Security fence, prison grade, set in concrete, 12" high	B-80	A CARGE AND A CARGE AND A	1.280	part of a large to the sale along	46	43.50	26-	115 50	Service and the service of the servi
4600	16' high	<i>″</i>	20	1.600		55	54	32.50	141.50	180

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# Warner, Drew

From: Sent: To: Subject: Stephen Knauss [stephenk@nodarse.com] Monday, August 31, 2009 2:20 PM Warner, Drew RE: Hardee County Landfill - Monitoring Well Installation Price Quote

Drew,

We will be able to honor the fees noted in our January 8, 2008 proposal. Do you know when work may proceed so that we may plan for it?

Stephen C. Knauss, P.E. Senior Geotechnical/Materials Engineer



504 East Tyler Street • Tampa, FL 33602 Direct) 813-221-0050 x115 • Cell) 813-376-1273 stephenk@nodarse.com • www.nodarse.com

From: Warner, Drew [mailto:DWarner@scsengineers.com]
Sent: Wednesday, August 26, 2009 3:15 PM
To: Stephen Knauss
Subject: Hardee County Landfill - Monitoring Well Installation Price Quote

Stephen:

Thank you very much for everything. The previous proposal is attached. My contact information is given below. Feel free to contact me if you have any questions. Thanks again.

Drew A. Warner, E.I. Staff Professional SCS Engineers 4041 Park Oaks Blvd., Suite 100 Tampa, Florida 33610 (813) 621-0080 Fax (813) 623-6757 dwarner@scsengineers.com



January 8, 2008 N&A Project No. 04-07-0048-302

Mr. Shane R. Fischer, P.E. SCS Engineers 4041 Park Oaks Blvd., Suite 100 Tampa, FL 33610

Proposal for Monitoring Well Installation and Abandonment Hardee County Landfill Phase II Section I Hardee County, Florida

### Mr. Fischer:

Nodarse & Associates, Inc. (N&A) is pleased to present this proposal for Monitoring Well Installation and Abandonment for the referenced project. The following briefly outlines the subtasks involved to perform the proposed scope of work.

### **PROPOSED SCOPE OF WORK**

### Field Activities - Monitoring Well Installation:

Two (2) replacement groundwater monitoring wells are proposed due to excessive turbidity in the collected groundwater samples from monitoring well MW-10 and MW-12. To minimize turbidity of groundwater in these proposed monitoring wells, N&A proposes the use of a finer slotted well screen and corresponding sand pack, and over-development. Additionally, the proposed well depths have been increased to 20 feet below land surface (bls). It is understood well design could change after particle size determination has been conducted by SCS Engineers.

The proposed monitoring wells will be installed with a minimum, 4.25-inch inner diameter hollow stem auger. The wells will be constructed using 10 feet of 2-inch diameter, 0.006-inch factory slotted Schedule 40 PVC well screen and approximately 10-feet of solid PVC riser. Following installation of the well assembly, the annular space of the screened interval will be packed with 30/65 silica sand from the bottom of the well to approximately 1.0 foot above the well screen. The remaining annular space will be sealed to grade with Type II neat cement grout and completed with a concrete pad and an aluminum riser type locking cover. Three bollards, consisting of 4-inch diameter Schedule 40 PVC filled with concrete, will be constructed around each monitoring well.

Due to the known fines of the formation, and in an effort to minimize turbidity of the sampled groundwater, well development will include repeated swabbing and over-pumping. This process will be repeated until turbidity is minimized, and is less than 5 NTUs. For the purpose of this proposal, it has been assumed that two (2) sets of well development equipment will be available on-site so that well development of the two

GAINESVILLE JACKSONVILLE LAK Tallahassee tampa w

BUILD ON OUR EXPERIENCE LAKELAND MIAMI ORMOND BEACH WEST FALM BEACH WINTER PARK

504 E. TYLER ST. J. TAMPA, ELORIDA 33602 P. 813 221-0050 1: 800-6554464 1: F. 813-221-0051 WYW NODARSF.COM



monitoring wells may occur concurrently. Additional hours for well development over-sight are included in this proposal, with the recommendation of additional well development proposed the day after well installation. However, SCS Engineers will only be invoiced for the actual services provided based upon the conditions of the site.

Drill cuttings and development water will not be drummed but will be spread on-site. N&A personnel will provide over sight during well construction activities and document general lithology, well installation and development activities.

### Field Activities - Monitoring Well Abandonment:

N&A proposes to abandon the 2 existing monitoring wells, MW-10 and MW-12 at the site. The monitoring wells are 2-inch in diameter and 12 feet and 17 feet in depth, respectively.

The wells will be abandoned in accordance with the Rules of the Southwest Florida Water Management District (SWFWMD), Chapter 40E-3.531, Florida Administrative Code (FAC) and will be plugged by filling them from bottom to top with grout. This work will be conducted by a licensed water well contractor. Applications to abandon the wells will be submitted the SWFWMD and once the wells are plugged the final Well Completion Reports will be submitted to the SWFWMD.

### Summary Letter Report:

Once all activities as outlined above have been completed, a Summary Letter Report will be prepared, to include a description of the well construction field activities and the well abandonment activities. Copies of the well completion reports (including documentation of monitoring well abandonment) will also be included.

### LIMITATIONS AND ASSUMPTIONS

The work plan used in generating the cost structure for this proposal assumes the following:

- 1. N&A personnel will have unimpeded and immediate access to the subject site and to any and all work areas on the subject site deemed necessary to complete the scope of work.
- 2. A representative will be available to accompany N&A personnel during on-site fieldwork if requested by the Client, the Property Owner, or N&A.
- 3. Sunshine One-Call does not perform locations for on-site utilities, but is limited to locating utility conduits buried within the public right-of-way. N&A will use the standard level of care, but not limited to hand-dig to five feet below land surface, site observations, and interview site operators to determine utility locations in avoiding damage to underground utilities. However, N&A will not be responsible for damage to utilities located on private property.

## ESTIMATED COSTS

N&A is prepared to implement the above generally outlined scope of services immediately upon your notice to proceed, for an estimated lump sum fee of \$6,604.00. The client will be invoiced for the actual services provided based upon the conditions of the site. Additional work required beyond the scope of services included in this proposal (e.g., access problems, weather delays, variation in the anticipated depth to groundwater. or other such factors beyond N&A's control) will be invoiced on a time and expense basis in



accordance with the unit rates identified in Attachment A. The client will be contacted for authorization should additional work beyond the estimated budget be required to complete the scope of services.

## CLOSURE

To authorize us to proceed with this project, please sign the attached agreement. Authorization should be indicated by the person or firm responsible for payment of our invoice. Please note the attached Agreement sheet forms a part of this proposal and that our terms are "Net 30 Days."

N&A appreciates the opportunity to submit this proposal. Should you have any questions concerning this proposal, please do not hesitate to contact us.

Sincerely,

NODARSE & ASSOCIATES, INC.

Donna M. Cline, P.E. Environmental Department Manager West Region

Distribution:

(2) Addressee (1) File

A Xian Mei Lo, E.I.T. Environmental Project Engineer

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## ESTIMATED SCOPE OF SERVICES WELL INSTALLATION AND ABANDONMENT Hardee County Landfill Phase II Section I Wauchula, Hardee County, Florida N&A PROPOSAL NO: 04-07-0048-302

DESCRIPTION	EST. QTY	UNIT	. KA	ATE		TOTAL
I. Equipment Mobilization						
A. Drill Rig	1	Each	\$	420.00	S	420.00
Ũ	S	ubtotal Equipment	Mob	ilization:	\$	420.00
II. Monitoring Well Installation						
A. 2" Diameter Monitoring Wells						
Locking Cover (Riser Type) - Aluminum						
- 20 foot depth, 10 foot of 0.006 slot	· .					
2 by 2 foot pad	2.	Each	\$	780.00	\$	1,560.0
B. Obtain Well Permits	. 1	Lump Sum	\$	75.00	\$	75.0
C. Bollards (3 per well)	6	Each	S.,	84.00	5	504.0
D. Well Development				Par -		•
- Swabbing and over-pumping until tubidity < 5 NI	TU's 2	Each	S.	150.00	\$	300.0
E. Turbidimeter	1	Per Day	\$	20.00	\$	20.0
F. Depth to Water Level Indicator	1	Per Day	\$	15.00	\$	15.0
G. Soil Borings (as needed)	40	Linear feet	\$	12.00	\$	-
H. Senior Technician/Scientist	18	Per Hour	\$	60.00	\$	1.080.0
L Per Diem & Hotel	I	Per Man/Per Day	5	120.00	\$	120.0
J. Professional Engineer	2	Per Hour	\$	120.00	\$	240.0
	Su	btotal Monitor We	ĺl Ios	tallation:	\$	3,914.0
		· · · · · ·	•			····
III. Monitoring Well Abandonment (MW-10 and MW-12)		· .				
A. 2" Diameter Monitoring Wells		•				
- tremie grout						
remove pads	2	Each	\$	240.00	\$	480.0
B. Obtain Well Permits	1	Lump Sum	\$	75.00	\$	75.0
C. Senior Environmental Technician	4	Per Hour	Ś	60,00	\$	240.0
	Subtotal	Monitoring Well	Abanı	donment:	\$	795.0
Professional Services - Reporting, Project Management						
A. Professional Engineer	4	Per Hour	\$	120.00	s	480.0
B. Project Engineer	10	Per Hour	\$	95.00	Ŝ	950,0
C. CADD	1	Per Hour	\$	45.00	\$	45.0
	•	Subtotal Profess				1,475.0

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504 E. Tyler Street Tampa, Florida 33602 813.221.0050. (F) 813.221-0051

# AGREEMENT

Project No. 04-07-0048-302

SCS Engineers

4041 Park Oaks Blvd. Suite 100, Tampa, Florida 33610

This AGREEMENT entered into this \_ day of \_\_\_\_\_ 2008 by and between Nodarse & Associates, Inc. and

SCS Engineers (Hereinafter referred to as CLIENT).

Project Name:Hardee County Landfill – Monitoring Well Installation and AbandonmentProject Location:Hardee County Landfill, Wauchula, FL

Project Owner: S Property Owner:

SCS Engineers

Scope of Work and Compensation for Authorized Services

Scope of Work

andCost\$6,604.00CompensationSee Proposal Dated:01-08-08

Special

Conditions

### **GENERAL CONDITIONS**

1. PARTIES AND SCOPE OF WORK: Nodarse & Associates, Inc. (hereinafter referred to as "N&A") shall include said company. or its particular division, subsidiary or affiliate performing the work. "Work" means the specific geotechnical, analytical, testing or other service to be performed by N&A as set forth in N&A's proposal, the Client's acceptance thereof, both incorporated herein by this reference, and these General Conditions. "Client" refers to the person or business entity ordering the work to be done by N&A. If the client is ordering the work on behalf of another, the Client represents and warrants that the Client is the duly authorized agent of said party for the purpose of ordering and directing said work. Further, Client shall disclose any such agency relationship to N&A in writing before the commencement of N&A's work hereunder. Unless otherwise stated in writing, the client assumes sole responsibility for reasonably determining whether the quantity and the nature of the work ordered by the Client are reasonably adequate and sufficient for the Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom the Client transmits any part of N&A's work. N&A's work is for the exclusive use of Client, and its properly disclosed principal. In no event shall N&A have any duty or obligation to any third party. Further, should Client direct or allow N&A to proceed with the work before executing and returning N&A's proposal, Client hereby irrevocably agrees to be bound by N&A=s proposal and these General Conditions.

2. TESTS AND INSPECTIONS: Client shall cause all tests and inspections of the site, materials and work performed by N&A or others to be timely and properly performed in accordance with the plans, specifications and contract documents, and N&A's recommendations. N&A shall not be liable for any claims for loss, damage or injury by Client or any third party unless all tests and inspections have been so performed and unless N&A's recommendations have been followed by Client. In the event that all such tests and inspections are not so performed or N&A's recommendations are not so followed. Client agrees to indemnify, defend and hold N&A, its officers, employees, and agents harmless from any and all claims, suits, losses, costs and expenses, including, but not limited to, court costs and reasonable attorney's fees arising out of the failure to perform such tests and inspections or to follow N&A's recommendations except to the extent that such failure is the result of the negligence, willful or wanton act or omission of N&A, its officers, agents or employees.

Agreement Page 1 of 3

Revision Dat. Actober, 2004



#### Geotechnical, Environmental & Materials Engineering



3. SCHEDULING OF WORK: If N&A is required to delay commencement of the work, or if, upon embarking upon its work. N&A is required to stop or interrupt the progress of its work as a result of changes in the scope of the work requested by the Client, to fulfill the requirements of third parties, interruptions in the progress of construction, or other causes beyond the exclusive reasonable control of N&A, additional charges will be applicable and payable by Client. Further, Client agrees that any schedule or time for performance of N&A's work is an estimate only and is dependent upon conditions outside the control of N&A or otherwise. As a result, Client agrees that N&A's work is not subject to any project or construction schedule.

4. ACCESS TO SITE: Client will arrange and provide such access to the site as is necessary for N&A to perform the work. N&A shall take reasonable measures and precautions to minimize damage to the site and any improvements located thereon as the result of its work or the use of its equipment. However, restoration costs are not included in the contract fee, and Client expressly releases N&A for liability for any damage to the site, and agrees that N&A shall not be responsible for the cost of restoring the site to its original condition. If Client desires or requires N&A to restore the site to its original condition, then upon written request and agreement by Client to pay the cost thereof, N&A will perform such additional work as is necessary to repair damage to the site caused by its work or the use of its equipment.

5. DAMAGE TO EXISTING MAN-MADE OBJECTS: Unless otherwise agreed to in writing, N&A is not responsible for locating or damage to subsurface or latent conditions.

6. RESPONSIBILITY: N&A's work shall not include determining, supervising or implementing the means, methods, techniques, sequences or procedures of construction. N&A shall not be responsible for evaluating, reporting or affecting job conditions concerning health, safety of welfare. N&A's work or failure to perform same shall not in any way excuse any contractor, subcontractor or supplier from performance of its work in accordance with the contract documents.

7. SAMPLE DISPOSAL: Unless otherwise agreed in writing, test specimens will be disposed of immediately upon completion of the test and all drilling samples or specimens will be disposed of at our discretion after a period of seven (7) days after submission of N&A's soils report.

8. PAYMENT: Client shall be invoiced at completion of work or once each month for work performed during the preceding period. Client agrees to pay each invoice within thirty (30) days of its receipt. The Client further agrees to pay interest on all amounts invoiced and not paid within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law, whichever is the lesser) until paid. Client agrees to pay N&A's cost of collection of all amounts which remain due and unpaid after sixty (60) days, including court costs and reasonable attorney's fees. Failure to make payment within thirty (30) days of invoice shall allow N&A to suspend all work hereunder without notice until payment is made. In addition, failure to make payment within thirty (30) days of invoice shall constitute a release of N&A from any and all claims which Client may have, either in tort or contract, and whether known or unknown at the time.

9. **TERMINATION:** This Agreement may be terminated by either party upon seven (7) days prior written notice. In the event of termination, N&A shall be compensated by Client for all services performed up to and including the termination date, including reimbursable expenses, and for the completion of such services and records as are necessary to place N&A's files in order and/or protect its professional reputation and/or errors and omissions claims. Upon termination of this Agreement, N&A shall have no further liability to Client for any work to be performed under this Agreement.

10. WARRANTY: N&A's services will be performed, its findings obtained and its reports prepared in accordance with its proposal, Client's acceptance thereof, these General Conditions, and with generally accepted principles and practices in the industry. In performing its professional services, N&A will use that degree of care and skill ordinarily exercised under similar circumstances by members of its profession. This warranty is in lieu of all other warranties or representations, either expressed or implied. Statements made in N&A reports are opinions based upon its engineering judgment and are not to be construed as representations of fact.

In the event of any breach of this Agreement by N&A, or should N&A, or any of its professional employees be found to have been negligent in the performing of professional services or work or to have made and breached any expressed or implied warranty, presentation or contract, then Client, all parties claiming through Client and all parties claiming to have in any way relied upon N&A's services or work agree that the maximum aggregate amount of the liability of N&A, its officers, employees and agents shall be limited to \$50,000.00 or the total amount of the fee paid to N&A for its work performed with respect to the project whichever amount is more. Notwithstanding any statements contained herein to the contrary, in no event shall N&A be liable for any consequential or incidental damages (including, without limitation, any claim for delay, loss of efficiency, impact, loss of production or anticipated profits) or liability incurred by Client with respect to any services furnished or to be furnished hereunder by N&A. Client expressly acknowledges that it has received consideration for this Agreement to limit liability in the form of a lower contract price.

Client may, upon written request received within five (5) days of Client's acceptance hereof, increase the limit of N&A's liability agreeing to pay N&A an additional sum as agreed in writing prior to the commencement of N&A's services. This charge is not to be construed as being a charge for insurance of any type, but is increased consideration for the greater liability involved.

Agreement Page 2 of 3



504 E. Tyler Street Tampa, Florida 33602 813.221.0050, (F) 813.221-0051

Nodarse & Associates, Inc.

### Geotechnical, Environmental & Materials Engineering

11. INDEMNITY: Client agrees to defend, indemnify and save harmless N&A from all claims, including negligence claims, suits, losses, personal injuries, death and property liability resulting from N&A's performance of the proposed work, whether such claims or damages are caused in whole or in part by N&A, and agrees to reimburse N&A for expenses in connection with any such claims or suits, including reasonable attorney's fees. Client's obligation to indemnify is limited to \$2 million per occurrence, which Client agrees bears a reasonable commercial relationship to the work undertaken by N&A. Client further agrees that these general conditions are a part of the work's specifications or bid documents, if any.

12. ARBITRATION: Anything contained in any other contract document notwithstanding, N&A shall not be bound by a provision or agreement (a) requiring or providing for arbitration of disputes or controversies arising out of N&A's work or these general conditions. (b) wherein N&A waives its rights to a mechanic's lien. or (c) conditioning N&A's right to payment upon payment by a third party.

13. PROVISIONS SEVERABLE: In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken and the remaining provisions shall be enforceable.

14. VENUE AND APPLICABLE LAW: This Agreement shall be governed by and construed in accordance with the laws of the State of Florida. Except with respect for the filing and/or determination of any mechanic liens, in the event of any other legal or equitable action arising under this Agreement, the venue of such action shall lie exclusively within either the state courts of Florida located in Orange County, Florida, or the United States District Court for the Middle District of Florida, Orlando Division, and the parties hereto do specifically waive any other jurisdiction and venue. Purther, all causes of action, including but not limited to actions for indemnification, arising out of N&A's work shall be deemed to have accrued and the applicable statutes of limitation shall commence to run not later than either the date of substantial completion of the work for acts of failures to act occurring prior to substantial completion, or the date of issuance of N&A's final invoice for acts or failures to act occurring after substantial completion of the work.

15. DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS: N&A and Client agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. N&A and Client also agree that the discovery of unanticipated hazardous materials may make it necessary for N&A to take immediate measures to protect health and safety. Client agrees to compensate N&A for any time spent and expense incurred by N&A to protect employees and the public's health and safety. N&A agrees to notify Client as soon as practical should unanticipated hazardous materials or suspected hazardous materials be encountered. In addition, Client waives any claim against N&A and agrees to defend, indemnify and save N&A harmless from any claim or liability for injury or loss arising from N&A's discovery of unanticipated hazardous materials or suspected hazardous materials. Client also agrees to compensate N&A in defense of any such claim, with such compensation to be based upon N&A's prevailing fee schedule, and expense reimbursement policy relative to recovery of direct project costs.

The undersigned hereby accepts all terms and conditions set forth in this AGREEMENT including the General Conditions set forth above; and warrants that he/she has full authority to bind CLIENT.

Client/Authorized Agent:	 	 	
(Strike out word that does not pertain)			

By: \_\_\_\_\_ By:

Title:

Date

Title:

Project No.:04-07-0048-302Client:SCS EngineersProject Name:Hardce Co. LandfillEngineer/Admin Initials:DMC

Date

Cliff Berry, Inc. 5218 St. Paul St. Tampa, FL 33619 (813) 626-6533

Cliff Berry, Incorporated Environmental Services THEREV6

26 March 2006

SCS Engineers, Inc. 3012 US Hwy. 301 North Suite 700 Tampa, FL 33619 Attn: Dominique Bramlett

### VIA FACSIMILE (813) 623-6757

Re: Price quotation for environmental services. Hardee County Department of Solid Waste Material Recovery Facility Animal Services 685 Airport Road Wauchula, FL 33873-8663

Dear Ms. Bramlett:

Cliff Berry, Inc. is pleased to quote you with the following rates to clean two leachate tanks, their containment and two lift stations. The following should be noted;

- 1) Each tank, containment and replacement gasket will be assessed at a rate of \$4,500.00 per tank.
- 2) The rate to clean both the leachate tanks (if done at the same time) will be assessed at a flat rate of \$1200.00

## Total to clean both tanks and both separators: \$10,200.00

Exceptions:

- 1) Hardee County Department of Solid Waste will provide any lockout/tagout of electrical, mechanical, pumps, valves or any other device, which may impede the safety of the tank cleaning evolution.
- 2) Wash water will be made available from the maintenance shed and/or fire hydrant (if available).

3) Cliff Berry, Inc. will not be responsible for tank closure upon acceptance of the tank and the completion of the gas free evolution.

Notes:

- 1) If awarded to Cliff Berry, Inc., all parties will agree to a mutually acceptable date for these evolutions.
- 2) Cliff Berry, Inc. will open the manways on the tanks and containments.
- 3) Cliff Berry, Inc. will provide all labor, materials and equipment for tank cleaning.
- 4) All waste removed from the tank will be left on site as was done in the past.
- 5) It is agreed that the level of cleanliness will be the accepted industry standard of "Safe for men, safe for hot work" as prescribed by a Marine Chemist. In the event that the tank requires additional cleaning, Cliff Berry, Inc. will not be held liable for any additional time or costs. If additional cleaning and/or the scope of work changes, a change order will be authorized prior to proceeding with any additional work.
- 6) If a Gas Free Certificate is required, CliffBerry, Inc. can provide a Marine Chemist for an agreed rate.
- 7) The attached rates are based on a Monday thru Friday 0800 ~ 1700 workweek. If weekend work and/or second/third shift work is required and authorized, overtime rates will be charged at one and a half straight time rates and double on observed government bolidays.
- 8) Payment is net 30 upon receipt of invoice.
- 9) The above mentioned prices are valid for thirty (30) days from the date of this quote.
- 10) Established credit will be required prior to deployment of labor and equipment.
- 11) If a purchase order number is required for payment, one will be supplied prior to mobilizing for any job evolutions.

Thank you for the opportunity to submit this quote and we look forward to conducting business with you. If you have any questions, please do not hesitate to contact me.

Regards,

Dan Stone Facility Manager - Tampa Cliff Berry, Inc.

REFERENCE (

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P. 8 OF 11 Offsite Disposed Of lackate

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# Fischer, Shane

Subject:

FW: Leachate hauling/disposal cost

From: Teresa Carver [mailto:Teresa.Carver@hardeecounty.net]
Sent: Wednesday, August 26, 2009 8:11 AM
To: Fischer, Shane
Subject: RE: Leachate hauling/disposal cost

City of Wauchula stated that we get charge \$300.10 for 6000 gallons and \$5.45 per thousand for remainder.

Teresa Carver Director Solid Waste Animal Services 685 Airport Road Wauchula, Fl 33873 Work: 863-773-5089 Fax: 863-773-3907 Email: teresa.carver@hardeecounty.net

LEGAL NOTICE REGARDING EMAIL

Senate Bill 80 - effective July 1, 2006

Under Florida Law, email addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic email to this entity. Instead, contact this office by phone or in writing.

This message has been sent from Hardeecounty.net, the official homepage of the Hardee County Board of County Commissioners. If you are unable to access attachments, please contact the Hardee County IT Helpdesk at helpdesk@hardeecounty.net. Thank you.

5,124,000 sallors for 2008 5,124,000 gallons - 6000 gallons = 5,118,000 gallons 5,118,000 Jellors # 5.45 = \$7,893.10 Disposed Cost

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			TOTAL PHASE II		
		TOTAL PHASE I	SECTION I	WATER ADDED	
		LEACHATE	LEACHATE	TO TANKS DUE	TOTAL LIQUID
	RAINFALL	COLLECTED	COLLECTED	TO RAINFALL	HAULED FROM
MONTH	(INCHES)	(GALLONS)	(GALLONS)	(GALLONS)	TANKS
January-08	2.8	281,538.0	0.0	2,314.0	306,000.0
February-08	4.0	399,466.0	0.0	3,261.0	438,000.0
March-08	2.7	78,592.0	0.0	2,215.2	60,000.0
April-08	1.6	396,863.0	0.0	1,317.6	282,000.0
May-08	0.9	234,191.0	0.0	741.1	270,000.0
June-08	10.0	61,230.0	265,160.0	8,193.6	408,000.0
July-08	17.2	399,150.0	0.0	14,130.9	444,000.0
August-08	6.2	0.0	893,701.0	5,105.6	786,000.0
September-08	2.2	308,044.0	191,552.0	1,770.5	546,000.0
October-08	0.1	498,495.0	282,500.0	107.1	780,000.0
November-08	0.0	262,535.0	233,800.0	0.0	540,000.0
December-08	0.0	45,475.0	254,500.0	0.0	264,000.0
Total	47.6	2,965,579.0	2,121,213.0	39,156.4	5,124,000.0

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		Water		Previous	Previous Days		
	Total Daily	Added to Tanks Due	Total Liquid Added to Tanks	Days Liquid Remaining	Liquid and Total Liquid Added to	Liquid Hauled From Tanks	End of Day Balance in
	Rainfall	to Rainfall	Daily	in Tanks	Tanks Daily	Per Day	Tanks
Day	(inches)	(gal)	(gal)	(gal)	(gal)	(gal)	(gal)
1	0.0	0.0	0.0	76,000.0	76,000.0	0.0	76,000.0
		0.0	0.0	76,000.0	70,000.0	0.0	10,000.0
2	0.0	0.0	0.0		76,000.0	0.0	76,000.0
3	0.0	0.0	0.0	76,000.0	76,000.0	0.0	76,000.0
	0.0	0.0	0.0	76,000.0	70,000.0	0.0	70,000.0
4	0.0	0.0	0.0		76,000.0	12,000.0	64,000.0
5	0.0	0.0	0.0	64,000.0	64.000.0		64 000 0
	0.0	0.0	0.0	64,000.0	64,000.0	0.0	64,000.0
6	0.0	0.0	0.0		64,000.0	0.0	64,000.0
7	0.0	0.0	00 007 0	64,000.0	00 007 0	04 000 0	00 007 0
	0.0		29,667.0	69,667.0	93,667.0	24,000.0	69,667.0
8	0.0	0.0	0.0		69,667.0	12,000.0	57,667.0
				57,667.0			
9	0.0	0.0	0.0	45,667.0	57,667.0	12,000.0	45,667.0
10	0.0	0.0	0.0	40,007.0	45,667.0	0.0	45,667.0
				45,667.0			
11	0.0	0.0	0.0	45 007 0	45,667.0	0.0	45,667.0
12	0.0	0.0	0.0	45,667.0	45,667.0	0.0	45,667.0
				45,667.0		0.0	10,00110
13	0.1	49.4	49.4		45,716.4	0.0	45,716.4
14	0.0	0.0	23,655.0	45,716.4	69,371.4	24,000.0	45,371.4
		0.0	2.0,000.0	45,371.4	00,071.4	24,000.0	40,071.4
15	0.0	0.0	0.0		45,371.4	18,000.0	27,371.4
16	0.0	0.0	38,542.0	27,371.4	65,913.4	18,000.0	47,913.4
	0.0		00,042.0	47,913.4	00,010.4	10,000.0	47,010.4
17	0.5	411.7	411.7		48,325.1	12,000.0	36,325.1
18	0.1	49.4	49.4	36,325.1	36,374.6	0.0	36,374.6
	0.1		43.4	36,374.6		0.0	
19	0.8	634.1	634.1		37,008.6	0.0	37,008.6
20	0.0	<sup>.</sup> 0.0	0.0	37,008.6	37,008.6		37,008.6
	0.0	0.0	0.0	37,008.6	37,008.0	0.0	37,000.0
21	1.0	823.5	823.5		37,832.1	30,000.0	7,832.1
22	0.1	E7 0	F7 0	7,832.1	7 000 0	0.000.0	1 000 0
	0.1	57.6	57.6	1,889.8	7,889.8	6,000.0	1,889.8
23	0.2	140.0	27,308.0	.,000.0	29,197.7	18,000.0	11,197.7
				11,197.7			
24	0.0	16.5	83,372.5	70,570.2	94,570.2	24,000.0	70,570.2
25	0.0	0.0	28,766.0	10,010.2	99,336.2	24,000.0	75,336.2
				75,336.2			
26	0.2	131.8	131.8	75 400 0	75,468.0	0.0	75,468.0
27	0.0	0.0	0.0	75,468.0	75,468.0	0.0	75,468.0
				75,468.0	, 0, 400.0		
28	0.0	0.0	50,384.0		125,852.0	24,000.0	101,852.0
29	0.0	0.0	0.0	101,852.0	101,852.0	18,000.0	83,852.0
	0.0	0.0	0.0	83,852.0	101,002.0	10,000.0	00,002.0
30	0.0	0.0	0.0		83,852.0	0.0	83,852.0
31	0.0	0.0		83,852.0	00 050 0	20.000.0	E0.050.0
31	0.0	0.0	0.0		83,852.0	30,000.0	53,852.0

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		Water Added to	Total Liquid	Previous Days Liquid	Previous Days		End -4 D
	Total Daily	Tanks Due		Remaining	Liquid and Total Liquid Added to	Liquid Hauled From Tanks	End of Day Balance in
	Rainfall	to Rainfall	Daily	in Tanks	Tanks Daily	Per Day	Tanks
Day	(inches)	(gal)	(gal)	(gal)	(gal)	(gal)	(gal)
1	0.0	0.0		53,852.0	F0.050.0		
	0.0	0.0	0.0	53,852.0	53,852.0		53,852.0
2	0.0	0.0	0.0	00,002.0	53,852.0		53,852.0
				53,852.0			
3	0.0	0.0	0.0		53,852.0		53,852.0
4	0.0	0.0	36,518.0	53,852.0	00.070.0	04 000 0	00.070.0
	0.0	0.0	30,516.0	66,370.0	90,370.0	24,000.0	66,370.0
5	0.0	0.0	0.0	00,070.0	66,370.0	24,000.0	42,370.0
				42,370.0			
6	0.0	0.0	36,516.0	54.000.0	78,886.0	24,000.0	54,886.0
7	0.1	107.1	30,772.1	54,886.0	85,658.0	24,000.0	61,658.0
			00,772.1	61,658.0	00,000.0	24,000.0	01,000.0
8	0.4	329.4	24,832.4		86,490.4	24,000.0	62,490.4
				62,490.4			
9	0.1	41.2	41.2	62,531.6	62,531.6		62,531.6
10	0.0	0.0	0.0	02,001.0	62,531.6		62,531.6
				62,531.6	01,00110		02,001.0
11	0.0	0.0	34,543.0		97,074.6	24,000.0	73,074.6
12	0.4	312.9	00.007.0	73,074.6	05 000 5	04.000.0	71.000.5
12	0.4	312.9	22,807.9	71,882.5	95,882.5	24,000.0	71,882.5
13	0.5	411.7	411.7	71,002.0	72,294.3	24,000.0	48,294.3
				48,294.3			
14	0.0	0.0	24,850.0	10.111.0	73,144.3	30,000.0	43,144.3
15	0.0	0.0	16,896.0	43,144.3	60,040.3	12,000.0	48,040.3
		0.0	10,000.0	48,040.3	00,040.0	12,000.0	40,040.3
16	0.0	0.0	0.0		48,040.3		48,040.3
17	0.0			48,040.3	10.040.0		
	0.0	0.0	0.0	48,040.3	48,040.3		48,040.3
18	1.0	790.5	48,952.5		96,992.8	24,000.0	72,992.8
				72,992.8			
19	0.5	411.7	20,901.7		93,894.5	24,000.0	69,894.5
20	0.0	0.0	0.0	69,894.5	69,894.5	30,000.0	39,894.5
	0.0		0.0	39,894.5	00,004.0	30,000.0	
21	0.2	164.7	27,131.7		67,026.2	24,000.0	43,026.2
22		005.0	07.005.5	43,026.2			
- 22	0.3	205.9	27,885.9	46,912.1	70,912.1	24,000.0	46,912.1
23	0.5	378.8	378.8		47,290.9		47,290.9
				47,290.9			
24	0.0	24.7	24.7		47,315.6		47,315.6
25	0.1	82.3		47,315.6	47,000,0	10,000,0	05 000 0
20	0.1		82.3	35,398.0	47,398.0	12,000.0	35,398.0
26	0.0	0.0	49,181.0		84,579.0	12,000.0	72,579.0
				72,579.0			
27	0.0	0.0	0.0	F 4 F 70 -	72,579.0	18,000.0	54,579.0
28	0.0	0.0	0.0	54,579.0	54,579.0		54,579.0
		0.0	0.0	54,579.0	54,579.0		54,579.0
29	0.0	0.0	0.0		54,579.0	30,000.0	24,579.0
				24,579.0			
30	0.0	0.0	0.0	10.570.0	24,579.0	6,000.0	18,579.0
31	0.0	0.0	0.0	18,579.0	18,579.0		18,579.0
	0.0	0.0	0.0		10,079.0		10,579.0

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		Water	r	Previous	Previous Days		
		Added to	Total Liquid	Days Liquid	Liquid and Total	Liquid Hauled	End of Day
	Total Daily	Tanks Due		Remaining	Liquid Added to	From Tanks	Balance in
	Rainfall	to Rainfall	Daily	in Tanks	Tanks Daily	Per Day	Tanks
Day	(inches)	(gal)	(gal)	(gal)	(gal)	(gal)	(gal)
L				18,579.0			
1	0.0	0.0	0.0		18,579.0		18,579.0
				18,579.0			
2	0.0	0.0	0.0	10 570 0	18,579.0		18,579.0
3	0.0	0.0	0.0	18,579.0	10 570 0		
	0.0	0.0	0.0	18,579.0	18,579.0		18,579.0
4	0.0	0.0	0.0	10,573.0	18,579.0		18,579.0
· · · · · · · · · · · · · · · · · · ·		0.0	0.0	18,579.0	10,373.0		10,079.0
5	0.2	181.2	181.2		18,760.1		18,760.1
				18,760.1			
6	0.7	592.9	<u>5</u> 92.9		19,353.0		19,353.0
				19,353.0			
7	0.4	288.2	288.2		19,641.2		19,641.2
8	0.0	0.0		19,641.2			
°	0.0	0.0	0.0	19,641.2	19,641.2		19,641.2
9	0.0	0.0	0.0	19,041.2	19,641.2		19,641.2
	0.0		0.0	19,641.2	13,041.2		19,041.2
10	0.0	0.0	0.0	10,071.2	19,641.2		19,641.2
				19,641.2			
11	0.4	296.5	296.5		19,937.7		19,937.7
				19,937.7			
12	0.0	0.0	30,392.0		50,329.7	30,000.0	20,329.7
13	0.0			20,329.7			
	0.0	0.0	0.0	00 000 7	20,329.7		20,329.7
14	0.1	65.9	65.9	20,329.7	20,395.6		20,395.6
	0.1	00.0		20,395.6	20,000.0		20,395.0
15	0.0	0.0	0.0	20,000.0	20,395.6		20,395.6
				20,395.6			
16	0.0	0.0	0.0		20,395.6	······································	20,395.6
				20,395.6			
17	0.0	0.0	14,800.0		35,195.6		35,195.6
18	0.0	0.0	0.0	35,195.6	05 105 0		05 105 0
	0.0	0.0	0.0	35,195.6	35,195.6		35,195.6
19	0.0	0.0	0.0	55,135.0	35,195.6		35,195.6
				35,195.6			
20	0.6	494.1	494.1		35,689.7		35,689.7
				35,689.7			ľ
21	0.0	0.0	0.0		35,689.7		35,689.7
		000 5		35,689.7			
22	0.4	296.5	296.5	25 000 4	35,986.1		35,986.1
23	0.0	0.0	0.0	35,986.1	35,986.1		35,986.1
	0.0	0.0	0.0	35,986.1	30,900.1		
24	0.0	0.0	0.0	00,000.1	35,986.1		35,986.1
			0.0	35,986.1	00,000.1		50,000.1
25	0.0	0.0	0.0		35,986.1		35,986.1
				35,986.1			
26	0.0	0.0	33,400.0		69,386.1	30,000.0	39,386.1
- 07				39,386.1			
27	0.0	0.0	0.0		39,386.1		39,386.1
28	0.0	0.0		39,386.1	20.000 1		20.000 t
	0.0	0.0	0.0	39,386.1	39,386.1		39,386.1
29	0.0	0.0	0.0		39,386.1		39,386.1
		0.0	0.0	39,386.1	03,000.1		03,000.1
30	0.0	0.0	0.0	00,000.1	39,386.1		39,386.1
				39,386.1	-3,000.1		50,00011
31	0.0	0.0	0.0		39,386.1		39,386.1

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		Water	T-1.11.	Previous	Previous Days		
	Total Daily	Added to Tanks Due	Total Liquid Added to Tanks	Days Liquid Remaining	Liquid and Total Liquid Added to	Liquid Hauled From Tanks	End of Day Balance in
	Rainfall	to Rainfall	Daily	in Tanks	Tanks Daily	Per Day	Tanks
Day	(inches)	(gal)	(gal)	(gal)	(gal)	(gal)	(gal)
				39,386.1			
1	0.0	0.0	28,764.0	38,150.1	68,150.1	30,000.0	38,150.1
2	1.5	1,235.2	1,235.2		39,385.3	30,000.0	9,385.3
				9,385.3		<u></u>	
3	0.0	0.0	38,364.0		47,749.3	30,000.0	17,749.3
4	0.0	0.0	29,604.0	17,749.3	47,353.3	12,000.0	35,353.3
	0.0	0.0	20,004.0	35,353.3	47,000.0	12,000.0	00,000.0
5	0.0	0.0	0.0		35,353.3		35,353.3
				35,353.3	05.050.0		05.050.0
6	0.0	0.0	0.0	35,353.3	35,353.3		35,353.3
7	0.0	0.0	0.0	00,00010	35,353.3		35,353.3
				35,353.3			
8	0.0	0.0	20,861.0	26,214.3	56,214.3	30,000.0	26,214.3
9	0.1	82.3	22,749.3	20,214.0	48,963.7	30,000.0	18,963.7
				18,963.7			
10	0.0	0.0	22,667.0	11.000 7	41,630.7	30,000.0	11,630.7
11	0.0	0.0	27,600.0	11,630.7	39,230.7	30,000.0	9,230.7
	0.0		27,000.0	9,230.7	00,200.7		
12	0.0	0.0	0.0		9,230.7		9,230.7
13	0.0	0.0	0.0	9,230.7	9,230.7		9,230.7
	0.0	0.0	0.0	9,230.7	9,230.7		5,230.7
14	0.0	0.0	28,470.0		37,700.7	30,000.0	7,700.7
45	0.0		05 100 0	7,700.7	00 000 7	20,000,0	2,898.7
15	0.0	0.0	25,198.0	2,898.7	32,898.7	30,000.0	2,090.7
16	0.0	0.0	0.0		2,898.7		2,898.7
			10 500 0	2,898.7			10 407 7
17	0.0	0.0	16,509.0	19,407.7	19,407.7		19,407.7
18	0.0	0.0	0.0	10,401.1	19,407.7		19,407.7
				19,407.7			
19	0.0	0.0	0.0	10 407 7	19,407.7		19,407.7
20	0.0	0.0	0.0	19,407.7	19,407.7		19,407.7
				19,407.7			
21	0.0	0.0	16,176.0	00.000-	35,583.7		35,583.7
22	0.0	0.0	30,201.0	35,583.7	65,784.7		65,784.7
	0.0	0.0	00,201.0	65,784.7	00,704.7		
23	0.0	0.0	19,839.0		85,623.7		85,623.7
24	0.0	0.0	10.005.0	85,623.7	104,848.7		104,848.7
	0.0	0.0	19,225.0	104,848.7	104,848.7		104,040.7
25	0.0	0.0	12,378.0		117,226.7		117,226.7
				117,226.7			147.000 -
26	0.0	0.0	0.0	117,226.7	117,226.7		117,226.7
27	0.0	0.0	0.0		117,226.7		117,226.7
				117,226.7			
28	0.0	0.0	0.0	117 000 7	117,226.7		117,226.7
29	0.0	0.0	13,975.0	117,226.7	131,201.7		131,201.7
				131,201.7	101,201.1		
30	0.0	0.0	24,365.0		155,566.7		155,566.7
31	0.0	0.0	0.0	155,566.7	155,566.7		155,566.7
<u> </u>	0.0	0.0	0.0		100,000.7		100,000.7

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		Water		Duridaya	Danie Danie		<u> </u>
ł		Water Added to	Total Liquid	Previous	Previous Days	Liquid Houlad	End of Day
	Total Daily	Tanks Due		Days Liquid	Liquid and Total	Liquid Hauled	End of Day
	Rainfall	to Rainfall	Added to Tanks	Remaining	Liquid Added to	From Tanks	Balance in
Dou	(inches)		Daily	in Tanks	Tanks Daily	Per Day	Tanks
Day	(incries)	(gal)	(gal)	(gal)	(gal)	(gal)	(gal)
1 .	0.0	0.0	0.0	155,566.7	155 500 7		155 500 7
·····	0.0	0.0	0.0	155 500 7	155,566.7		155,566.7
2	0.0	0.0	0.0	155,566.7	155,566.7		155,566.7
<u> </u>	0.0	0.0	0.0	155,566.7	100,000.7		155,566.7
3	0.0	0.0	0.0	100,000.7	155,566.7		155,566.7
	0.0	0.0		155,566.7	100,000.7		100,000.7
4	0.0	0.0	0.0	100,000.1	155,566.7		155,566.7
			0.0	155,566.7	100,000.1		100,000.1
5	0.0	0.0	15,457.0		171,023.7	30,000.0	141,023.7
				141,023.7	111,02011	00,000.0	
6	0.0	0.0	29,630.0	,	170,653.7	30,000.0	140,653.7
				140,653.7			
7	0.0	0.0	15,313.0		155,966.7	18,000.0	137,966.7
				137,966.7			
8	0.0	0.0	0.0		137,966.7		137,966.7
				137,966.7			
9	0.0	0.0	0.0		137,966.7		137,966.7
	•			137,966.7			
10	0.0	0.0	0.0		137,966.7		137,966.7
				137,966.7			
11	0.0	0.0	0.0		137,966.7		137,966.7
				137,966.7			
12	0.0	0.0	0.0		137,966.7		137,966.7
				137,966.7			
13	0.0	0.0	0.0		137,966.7		137,966.7
				137,966.7			
14	0.0	0.0	19,623.0		157,589.7	30,000.0	127,589.7
				127,589.7			
15	0.0	0.0	0.0		127,589.7		127,589.7
				127,589.7	******		
16	0.0	0.0	0.0		127,589.7	· · · · · · · · · · · · · · · · · · ·	127,589.7
17	0.0			127,589.7	107 500 7		107 500 7
17	0.0	0.0	0.0	107 500 7	127,589.7	· · · · · · · · · · · · · · · · · · ·	127,589.7
18	0.0	0.0	0.0	127,589.7	107 500 7		127,589.7
- 10	0.0	0.0	0.0	127,589.7	127,589.7		127,509.7
19	0.0	0.0	0.0	127,509.7	127,589.7		127,589.7
	0.0	0.0	0.0	127,589.7	121,000.1		121,000.1
20	0.4	329.4	27,729.4	121,000.1	155,319.1	30,000.0	125,319.1
		020.7	21,720.4	125,319.1	100,010.1	00,000.0	120,01011
21	0.5	411.7	23,771.7	120,010.1	149,090.8	24,000.0	125,090.8
				125,090.8			
22	0.0	0.0	0.0		125,090.8	0.0	125,090.8
				125,090.8			
23	0.0	0.0	0.0		125,090.8		125,090.8
				125,090.8			
24	0.0	0.0	0.0		125,090.8		125,090.8
				125,090.8			
25	0.0	0.0	0.0		125,090.8		125,090.8
			· · · · · · · · · · · · · · · · · · ·	125,090.8	· · · · · · · · · · · · · · · · · · ·		
26	0.0	0.0	0.0		125,090.8		125,090.8
				125,090.8			
27	0.0	0.0	48,497.0		173,587.8	36,000.0	137,587.8
				137,587.8			
28	0.0	0.0	0.0		137,587.8	36,000.0	101,587.8
				101,587.8			
29	0.0	0.0	0.0		101,587.8	36,000.0	65,587.8
				65,587.8			
30	0.0	0.0	54,911.0		120,498.8		120,498.8
				120,498.8			and a state of the
31	0.0	0.0	0.0		120,498.8		120,498.8

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		Water Added to		Previous	Previous Days		
			Tabel Lieudal	Daving Literated		المعالية والمعالية والمعالية	East of Day
			Total Liquid	Days Liquid	Liquid and Total	Liquid Hauled	End of Day
	otal Daily		Added to Tanks	Remaining	Liquid Added to	From Tanks	Balance in
	Rainfall	to Rainfall	Daily	in Tanks	Tanks Daily	Per Day	Tanks
Day (	(inches)	(gal)	(gal)	(gal)	(gal)	(gal)	(gal)
				120,498.8	100,100,0		100 100 0
1	0.0	0.0	0.0	100.100.0	120,498.8		120,498.8
				120,498.8	100,100,0		100 100 0
2	0.0	0.0	0.0	100 400 0	120,498.8		120,498.8
	0.0	0.0	0.0	120,498.8	100,409,0		120,498.8
3	0.0	0.0	0.0	120,498.8	120,498.8		120,450.0
4	0.0	0.0	0.0	120,496.6	120,498.8		120,498.8
	0.0	0.0	0.0	120,498.8	120,400.0		120,400.0
5	0.0	0.0	0.0	120,400.0	120,498.8		120,498.8
	0.0	0.0	0.0	120,498.8	120,100.0		120,10010
6	1.5	1,235.2	31,235.2	120,100.0	151,734.0	12,000.0	139,734.0
			0,,200,2	139,734.0	101,101,0		
7	0.0	0.0	0.0		139,734.0	24,000.0	115,734.0
				115,734.0			
8	0.0	0.0	0.0		115,734.0		115,734.0
				115,734.0			-2005005
9	0.0	0.0	0.0		115,734.0		115,734.0
				115,734.0			
10	0.8	617.6	617.6		116,351.6	18,000.0	98,351.6
				98,351.6			
11	0.0	0.0	10,290.0		108,641.6	30,000.0	78,641.6
				78,641.6			
12	1.0	823.5	15,913.5		94,555.1	30,000.0	64,555.1
				64,555.1			
13	0.5	411.7	<u>3</u> 8,791.7		103,346.9		103,346.9
				103,346.9			
14	1.5	1,235.2	33,605.2		136,952.1		136,952.1
				136,952.1			
15	0.0	0.0	0.0		136,952.1		136,952.1
			1 - 1 - 2	136,952.1			100.00714
16	0.0	0.0	15,145.0	100.007.1	152,097.1	30,000.0	122,097.1
17	0.0		10 715 0	122,097.1	105 010 1	19,000,0	117,812.1
	0.0	0.0	13,715.0	117 010 1	135,812.1	18,000.0	117,012.1
18	0.4	329.4	329.4	117,812.1	118,141.5	24,000.0	94,141.5
	0.4	52.5.4	32.3.4	94,141.5	110,141.5	24,000.0	04,141.0
19	0.8	617.6	36,617.6	34,141.5	130,759.1	30,000.0	100,759.1
	0.0	017.0		100,759.1	100,700.1	00,000.0	100,7 55.1
20	0.0	0.0	0.0		100,759.1		100,759.1
		0.0		100,759.1	100,100.1	······································	
21	0.0	0.0	0.0		100,759.1		100,759.1
				100,759.1			
22	0.0	0.0	0.0	,,	100,759.1	****** da = *****	100,759.1
				100,759.1			
23	1.5	1,235.2	21,635.2		122,394.3	· · · · · · · · · · · · · · · · · · ·	122,394.3
				122,394.3	,	1998	
24	0.0	0.0	25,200.0		147,594.3	36,000.0	111,594.3
				111,594.3			
25	0.0	0.0	38,200.0		149,794.3	36,000.0	113,794.3
				113,794.3			
26	0.8	658.8	658.8		114,453.1	12,000.0	102,453.1
		and a second state of the		102,453.1			
27	0.8	617.6	26,217.6		128,670.7	36,000.0	92,670.7
				92,670.7			
28	0.0	0.0	0.0		92,670.7	36,000.0	56,670.7
				56,670.7			
29	0.0	0.0	0.0		56,670.7		56,670.7
				56,670.7			
30	0.5	411.7	26,411.7		83,082.4	36,000.0	47,082.4
				47,082.4			
31	0.0	0.0	0.0		47,082.4		47,082.4

		Water		Previous			
	,	Added to	Total Liquid		Previous Days	I for start to show	
	T-I-I D-it.		Total Liquid	Days Liquid	Liquid and Total	Liquid Hauled	End of Day
f I	Total Daily	Tanks Due	Added to Tanks	Remaining	Liquid Added to	From Tanks	Balance in
	Rainfall	to Rainfall	Daily	in Tanks	Tanks Daily	Per Day	Tanks
Day	(inches)	<u>(gal)</u>	(gal)	(gal)	(gal)	(gal)	(gal)
				47,082.4			
1	0.2	189.4	38,789.4		85,871.8		85,871.8
				85,871.8			
2	0.5	395.3	26,195.3		112,067.1		112,067.1
				112,067.1			
3	1.3	1,070.5	1,070.5		113,137.6	6,000.0	107,137.6
				107,137.6			
4	0.0	0.0	0.0		107,137.6		107,137.6
			0.0	107,137.6	107,107.0		101,101.0
5	0.0	0.0	0.0	101,107.0	107,137.6	·····	107,137.6
ŭ	0.0	0.0	0.0	107,137.6	107,107.0		107,107.0
6	0.6	461.1	461.1	107,137.0	107,598.8		107 509 9
	0.0	401.1	401.1	107 500 0	107,596.6		107,598.8
7	0.0	741.1	00 5 41 4	107,598.8	101 100 0	00.000.0	00 100 0
· · · · · · · · · · · · · · · · · · ·	0.9	741.1	26,541.1		134,139.9	36,000.0	98,139.9
		0.45.0		98,139.9			101000
8	0.4	345.9	39,845.9		137,985.8	36,000.0	101,985.8
				101,985.8			
9	0.0	16.5	16.5		102,002.2	12,000.0	90,002.2
				90,002.2			
10	0.0	0.0	26,300.0		116,302.2	12,000.0	104,302.2
				104,302.2			
11	0.0	0.0	0.0		104,302.2		104,302.2
				104,302.2			
12	0.0	0.0	0.0		104,302.2		104,302.2
				104,302.2			
13	1.5	1,218.7	1,218.7		105,521.0		105,521.0
			.,	105,521.0	100,02110		
14	0.4	304.7	304.7	100,021.0	105,825.7	36,000.0	69,825.7
			004.1	69,825.7	100,020.1	00,000.0	00,020.7
15	1.3	1,037.6	27,687.6	00,020.7	97,513.2	36,000.0	61,513.2
		1,007.0	27,007.0	61,513.2	57,010.2	00,000.0	01,010.2
16	0.7	576.4	576.4	01,515.2	62,089.7	12,000.0	50,089.7
	0.7	570.4	570.4	50,090,7	02,009.7	12,000.0	50,003.7
17	0.0	0.0	26,400.0	50,089.7	70 400 7	24 000 0	E0 400 7
<u>⊢ 17</u>	0.0	0.0	20,400.0	50 400 7	76,489.7	24,000.0	52,489.7
18	0.0	0.0	04.000.0	52,489.7	70 400 7	04 000 0	FO 400 7
10	0.0	0.0	24,000.0	50.400.7	76,489.7	24,000.0	52,489.7
				52,489.7		×	
19	0.0	0.0	0.0		52,489.7		52,489.7
			·····	52,489.7			
20	0.0	0.0	0.0		52,489.7		52,489.7
				52,489.7			
21	0.0	0.0	0.0		52,489.7		52,489.7
				52,489.7			
22	0.0	0.0	31,300.0		83,789.7	12,000.0	71,789.7
				71,789.7			
23	2.2	1,811.7	1,811.7		73,601.3	6,000.0	67,601.3
			The desired of the second s	67,601.3	and the second se		
24	3.3	2,676.3	39,076.3		106,677.6	30,000.0	76,677.6
				76,677.6	,		
25	0.0	0.0	26,000.0	, 0,0,7.0	102,677.6	24,000.0	78,677.6
	0.0	0.0	20,000.0	78,677.6	102,017.0	27,000.0	, 0,077.0
26	0.6	452.9	452.9		70 120 6		70 120 6
- 20	0.0	402.9	402.9		79,130.6		79,130.6
07		400 -	100 -	79,130.6	70.007		70.054
27	0.2	123.5	123.5	and the state of t	79,254.1		79,254.1
		=		79,254.1			
28	1.8	1,474.0	23,874.0		103,128.1	30,000.0	73,128.1
				73,128.1			
29	0.6	502.3	24,502.3		97,630.4	36,000.0	61,630.4
				61,630.4			
30	0.9	732.9	26,732.9		88,363.3	36,000.0	52,363.3
				52,363.3			
31	0.0	0.0	0.0	,000.0	52,363.3	36,000.0	16,363.3
<u> </u>					02,000.0		

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		Water Added to	Total Liquid	Previous	Previous Days		[ Tard at 2
	Total Daily	Tanks Due	Added to Tanks	Days Liquid Remaining	Liquid and Total Liquid Added to	Liquid Hauled From Tanks	End of Day Balance in
	Rainfall	to Rainfall	Daily	in Tanks	Tanks Daily	Per Day	Tanks
Day	(inches)	(gal)	(gal)	(gal)	(gal)	(gal)	(gal)
1	0.0	16.5	16,397.5	16,363.3 0.0	32,760.8		32,760.8
	0.0	10.0	10,007.0	32,760.8	32,700.0		32,700.8
2	0.0	0.0	35,500.0		68,260.8	30,000.0	38,260.8
3	0.0	8.2	8.2	38,260.8	00.000.0		00.000.0
	0.0	0.2	0.2	38,269.0	38,269.0		38,269.0
4	0.6	461.1	19,831.1		58,100.2	36,000.0	22,100.2
5	0.0	10 5	00.010.5	22,100.2	40.440.0	00 000 0	
	0.0	16.5	26,016.5	12,116.6	48,116.6	36,000.0	12,116.6
6	0.5	411.7	35,411.7		47,528.4	36,000.0	11,528.4
7	0.5	070.0	70.045.0	11,528.4		00000	
·	0.5	370.6	76,815.6	52,343.9	88,343.9	36,000.0	52,343.9
8	0.1	65.9	72,959.9	02,0 10.0	125,303.8	48,000.0	77,303.8
	0.0	0.0		77,303.8	77.444.4		
9	0.0	0.0	0.0	47,303.8	77,303.8	30,000.0	47,803.8
10	0.0	0.0	0.0		47,303.8		47,303.8
			10.040.0	47,303.8	00.040.0	10,000,0	10.010.0
11	0.0	0.0	12,940.0	12,243.8	60,243.8	48,000.0	12,243.8
12	0.0	0.0	58,400.0	12,210.0	70,643.8	36,000.0	34,643.8
				34,643.8			
13	0.0	0.0	0.0	4,643.8	34,643.8	30,000.0	4,643.8
14	0.1	82.3	73,082.3	4,040.0	77,726.2	48,000.0	29,726.2
45	0.5			29,726.2			
15	0.5	411.7	64,811.7	52,537.9	94,537.9	42,000.0	52,537.9
16	0.1	57.6	57.6	02,001.0	52,595.6		52,595.6
				52,595.6			
17	0.0	0.0	0.0	52,595.6	52,595.6		52,595.6
18	0.1	82.3	65,582.3	02,000.0	118,177.9	48,000.0	70,177.9
	0.1	1.070.0		70,177.9			
19	2.4	1,976.3	1,976.3	72,154.3	72,154.3	······································	72,154.3
20	0.1	41.2	65,541.2	72,104.0	137,695.4	48,000.0	89,695.4
				89,695.4			
21	0.1	41.2	41.2	41,736.6	89,736.6	48,000.0	41,736.6
22	0.1	49.4	55,299.4	41,730.0	97,036.0	48,000.0	49,036.0
				49,036.0			
23	0.0	0.0	0.0	49,036.0	49,036.0	0.0	49,036.0
24	0.0	0.0	0.0	40,000.0	49,036.0		49,036.0
				49,036.0			
25	0.0	0.0	48,636.0	40 670 0	97,672.0	48,000.0	49,672.0
26	0.0	0.0	45,000.0	49,672.0	94,672.0	30,000.0	64,672.0
				64,672.0			
27	0.0	0.0	0.0	64 670 0	64,672.0	0.0	64,672.0
28	0.1	115.3	40,115.3	64,672.0	104,787.3		104,787.3
				104,787.3			
29	0.0	0.0	43,485.0	140.070.5	148,272.3	36,000.0	112,272.3
30	1.1	897.6	40,897.6	112,272.3	153,169.9	24,000.0	129,169.9
				129,169.9		_ ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
31	0.0	0.0	0.0		129,169.9		129,169.9

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Day	Total Daily Rainfall (inches)	Water Added to Tanks Due to Rainfall (gal)	Total Liquid Added to Tanks Daily (gal)	Previous Days Liquid Remaining in Tanks (gal) 129,169.9	Previous Days Liquid and Total Liquid Added to Tanks Daily (gal)	Liquid Hauled From Tanks Per Day (gal)	End of Day Balance in Tanks (gal)
1	0.1	82.3	82.3		129,252.2		129,252.2
2	0.0	0.0	0.0	129,252.2	129,252.2	6,000.0	123,252.2
3	0.0	0.0	0.0	123,252.2			
				123,252.2	123,252.2	0.0	123,252.2
4	0.0	0.0	0.0	123,252.2	123,252.2	0.0	123,252.2
5	0.2	131.8	131.8		123,384.0	0.0	123,384.0
6	0.0	0.0	0.0	123,384.0	123,384.0		123,384.0
7	0.0	0.0	0.0	123,384.0	123,384.0		123,384.0
8	0.0	0.0	0.0	123,384.0	123,384.0		123,384.0
				123,384.0		· · · · · · · · · · · · · · · · · · ·	
9	0.1	49.4	49.4	117,433.4	123,433.4	6,000.0	-117,433.4
10	0.1	82.3	21,337.3	90,770.7	138,770.7	48,000.0	90,770.7
11	0.1	41.2	33,848.2		124,618.9	48,000.0	76,618.9
12	0.0	0.0	35,393.0	76,618.9	112,011.9	48,000.0	64,011.9
13	0.0	0.0	0.0	64,011.9	64,011.9		64,011.9
				64,011.9			
14	0.4	288.2	73,288.2	137,300.1	137,300.1		137,300.1
15	0.0	0.0	0.0	89,300.1	137,300.1	48,000.0	89,300.1
16	0.3	205.9	205.9		89,506.0	24,000.0	65,506.0
17	0.1	82.3	64,482.3	65,506.0	129,988.4	48,000.0	81,988.4
18	0.0	0.0	41,600.0	81,988.4	123,588.4	48,000.0	75,588.4
				75,588.4		-+0,000.0	
19	0.0	0.0	0.0	75,588.4	75,588.4		75,588.4
20	0.4	345.9	345.9	75,934.2	75,934.2	0.0	75,934.2
21	0.1	115.3	115.3		76,049.5	0.0	76,049.5
22	0.2	148.2	148.2	76,049.5	76,197.7	48,000.0	28,197.7
23	0.0	0.0	51,121.0	28,197.7	79,318.7	48,000.0	31,318.7
				31,318.7		40,000.0	
24	0.0	0.0	0.0	31,318.7	31,318.7	*****	31,318.7
25	0.0	0.0	71,020.0	54,338.7	102,338.7	48,000.0	54,338.7
26	0.0	0.0	53,500.0		107,838.7	48,000.0	59,838.7
27	0.0	0.0	0.0	59,838.7	59,838.7		59,838.7
28	0.0	0.0	0.0	59,838.7			59,838.7
				59,838.7	59,838.7		
29	0.2	197.6	54,697.6	84,536.4	114,536.4	30,000.0	84,536.4
30	0.0	0.0	0.0		84,536.4		84,536.4
31	0.0	0.0	0.0	84,536.4	84,536.4	fallen sessi	84,536.4

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		Water		Previous	Previous Days		
	Total Daily	Added to Tanks Due	Total Liquid	Days Liquid	Liquid and Total	Liquid Hauled	End of Day
	Rainfall	to Rainfall	Added to Tanks Daily	Remaining in Tanks	Liquid Added to Tanks Daily	From Tanks Per Day	Balance in Tanks
Day	(inches)	(gal)	(gal)	(gai)	(gal)	(gai)	(gal)
				84,536.4			
1	0.0	8.2	25,498.2		110,034.6	48,000.0	62,034.6
2	0.0	0.0	46,000.0	62,034.6	100.004.0	48,000,0	CO 004 C
	0.0	0.0	40,000.0	60,034.6	108,034.6	48,000.0	60,034.6
3	0.0	0.0	63,500.0		123,534.6	48,000.0	75,534.6
				75,534.6			
4	0.0	0.0	0.0	75,534.6	75,534.6		75,534.6
5	0.0	0.0	0.0	70,004.0	75,534.6		75,534.6
				75,534.6			
6	0.0	0.0	41,000.0	00 504 0	116,534.6	48,000.0	68,534.6
7	0.0	0.0	52,600.0	68,534.6	121,134.6	48,000.0	73,134.6
			02,000.0	73,134.6	121,104.0	40,000.0	10,104.0
8	0.0	0.0	31,800.0		104,934.6	48,000.0	56,934.6
9	0.0	0.0	48,500.0	56,934.6	105 404 6	48,000,0	
	0.0	0.0	40,500.0	57,434.6	105,434.6	48,000.0	57,434.6
10	0.0	0.0	27,685.0		85,119.6		85,119.6
				85,119.6			
11	0.0	0.0	0.0	85,119.6	85,119.6		85,119.6
12	0.0	0.0	0.0	00,119.0	85,119.6		85,119.6
				85,119.6			
13	0.1	41.2	62,161.2	00.000.0	147,280.8	48,000.0	99,280.8
14	0.1	57.6	52,657.6	99,280.8	151,938.4	48,000.0	103,938.4
			02,001.0	103,938.4	101,000.4	40,000.0	
15	0.0	0.0	52,470.0		156,408.4	48,000.0	108,408.4
16	0.0	0.0	47,880.0	108,408.4	156,288.4	48,000.0	108,288.4
	0.0	0.0	47,000.0	108,288.4	130,200.4	48,000.0	100,200.4
17	0.0	0.0	44,600.0		152,888.4	48,000.0	104,888.4
18	0.0	0.0		104,888.4	101.000.1		
10	0.0	0.0	0.0	104,888.4	104,888.4		104,888.4
19	0.0	0.0	45,000.0	10 1,000.1	149,888.4		149,888.4
				149,888.4			
20	0.0	0.0	0.0	149,888.4	149,888.4		149,888.4
21	0.0	0.0	0.0	140,000.4	149,888.4		149,888.4
				149,888.4			
2	0.0	0.0	0.0	140,000,4	149,888.4		149,888.4
23	0.0	0.0	0.0	149,888.4	149,888.4	12,000.0	137,888.4
			0.0	137,888.4	110,000.4		
24	0.0	0.0	0.0		137,888.4		137,888.4
25	0.0	0.0	0.0	137,888.4	137,888.4		137,888.4
	0.0	0.0	0.0	137,888.4	137,000.4		137,000.4
26	0.0	0.0	0.0		137,888.4		137,888.4
07		0.0	10 000 0	137,888.4		10.000	105 000
27	0.0	0.0	46,000.0	135,888.4	183,888.4	48,000.0	135,888.4
28	0.0	0.0	23,450.0	100,000.4	159,338.4	48,000.0	111,338.4
				111,338.4			
29	0.0	0.0	18,500.0	01.000.1	129,838.4	48,000.0	81,838.4
30	0.0	0.0	30,300.0	81,838.4	112,138.4		112,138.4
				112,138.4	112,100.4		
31	0.0	0.0	21,500.0		133,638.4	48,000.0	85,638.4

Day	Total Daily Rainfall (inches)	Water Added to Tanks Due to Rainfall (gal)	Total Liquid Added to Tanks Daily (gal)	Previous Days Liquid Remaining in Tanks (gal)	Previous Days Liquid and Total Liquid Added to Tanks Daily (gal)	Liquid Hauled From Tanks Per Day (gal)	End of Day Balance in Tanks (gal)
1	0.0	0.0	0.0	85,638.4	85,638.4		85,638.4
2	0.0	0.0	0.0	85,638.4	85,638.4	······································	85,638.4
3	0.0	0.0	65,035.0	85,638.4 102,673.4	150,673.4	48,000.0	102,673.4
4	0.0	0.0	52,000.0	106,673.4	154,673.4	48,000.0	106,673.4
5	0.0	0.0	50,000.0	108,673.4	156,673.4	48,000.0	108,673.4
6	0.0	0.0	48,000.0	108,673.4	156,673.4	48,000.0	108,673.4
7	0.0	0.0	0.0	60,673.4	108,673.4	48,000.0	60,673.4
8	0.0	0.0	0.0	60,673.4	60,673.4		60,673.4
9	0.0	0.0	0.0	60,673.4	60,673.4		-60,673.4
10	0.0	0.0	44,800.0	57,473.4	105,473.4	48,000.0	57,473.4
11	0.0	0.0	0.0	57,473.4	57,473.4	40,000,0	57,473.4
12	0.0	0.0	0.0 55,000.0	9,473.4	57,473.4 64,473.4	48,000.0	9,473.4
14	0.0	0.0	44,500.0	16,473.4	60,973.4	48,000.0	12,973.4
15	0.0	0.0	0.0	12,973.4	12,973.4		12,973.4
16	0.0	0.0	0.0	12,973.4	12,973.4		12,973.4
17	0.0	0.0	0.0	12,973.4	12,973.4		12,973.4
18	0.0	0.0	0.0	12,973.4	12,973.4		12,973.4
19	0.0	0.0	0.0	12,973.4	12,973.4		12,973.4
20	0.0	0.0	50,000.0		62,973.4	48,000.0	14,973.4
21	0.0	0.0	42,000.0	14,973.4 8,973.4	56,973.4	48,000.0	8,973.4
22	0.0	0.0	0.0	8,973.4	8,973.4		8,973.4
23	0.0	0.0	0.0	8,973.4	8,973.4		8,973.4
24	0.0	0.0	45,000.0	41,973.4	53,973.4	12,000.0	41,973.4
25	0.0	0.0	0.0	41,973.4	41,973.4		41,973.4
26	0.0	0.0		41,973.4	41,973.4		41,973.4
27	0.0	0.0		41,973.4	41,973.4		41,973.4
28	0.0	0.0	0.0	41,973.4	41,973.4		41,973.4
29	0.0	0.0		41,973.4	41,973.4		41,973.4
30	0.0	0.0	0.0	41,973.4	41,973.4		41,973.4
31	0.0	0.0	0.0		41,973.4		41,973.4

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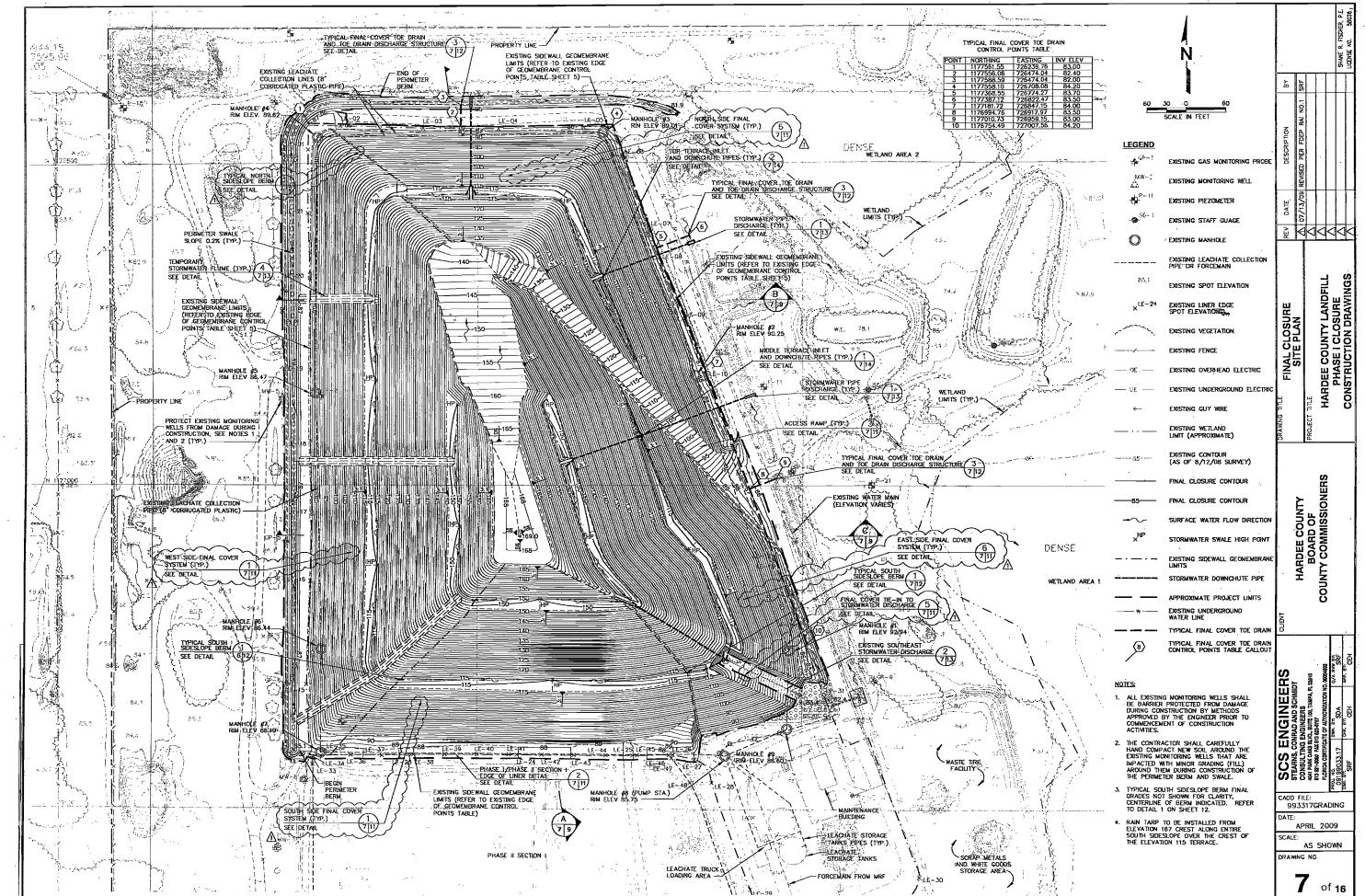
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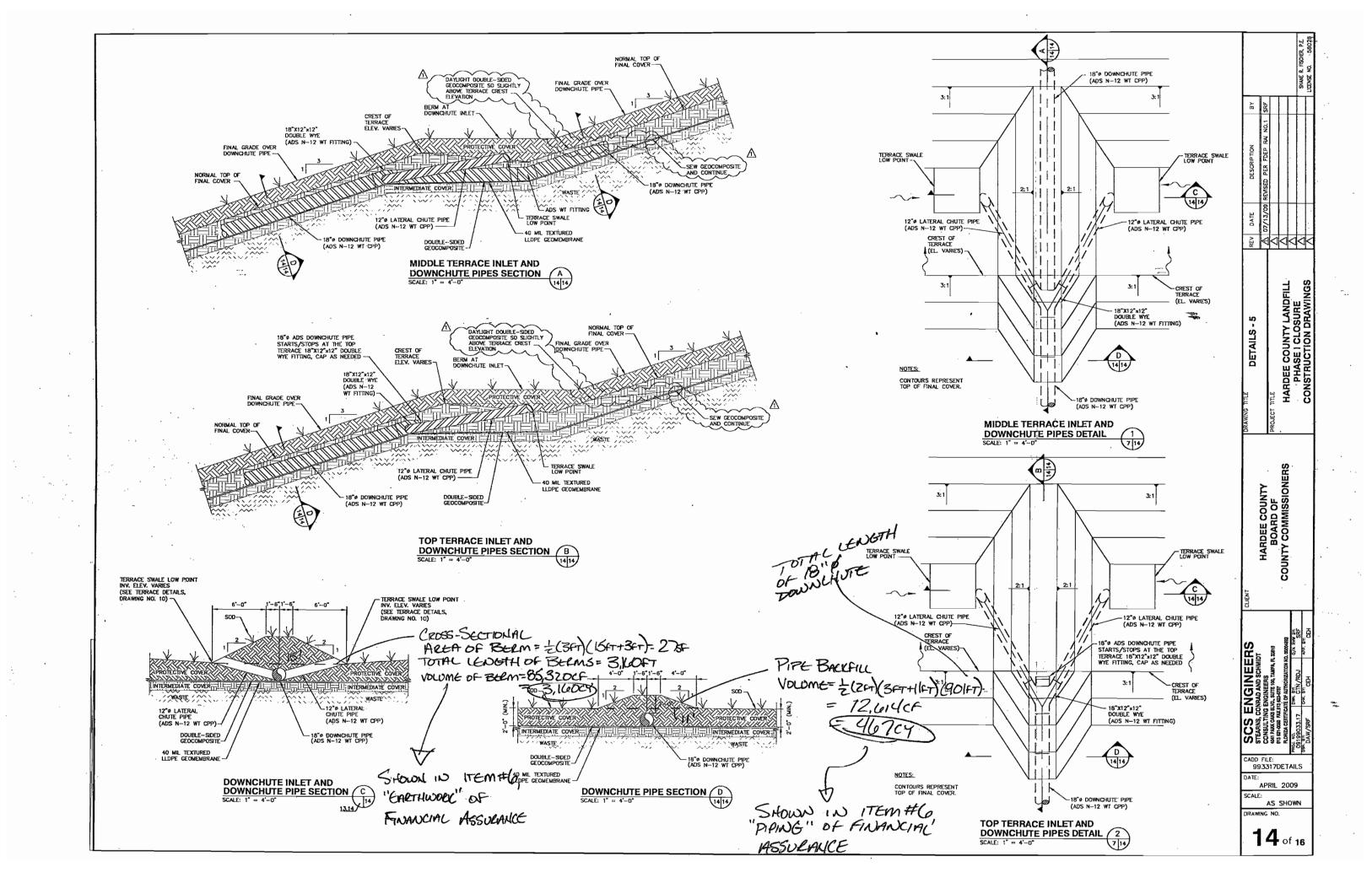
Day	Total Daily Rainfall (inches)	Water Added to Tanks Due to Rainfall (gal)	Total Liquid Added to Tanks Daily (gal)	Previous Days Liquid Remaining in Tanks (gal) 41,973.4	Previous Days Liquid and Total Liquid Added to Tanks Daily (gal)	Liquid Hauled From Tanks Per Day (gal)	End of Day Balance in Tanks (gal)
1	0.0	0.0	0.0		41,973.4		41,973.4
2	0.0	0.0	0.0	41,973.4	41,973.4		41,973.4
				41,973.4		······································	
3	0.0	0.0	0.0	41,973.4	41,973.4		41,973.4
4	0.0	0.0	0.0	41,973.4	41,973.4		41,973.4
5	0.0	0.0	0.0		41,973.4		41,973.4
6	0.0	0.0	76,000.0	41,973.4	117,973.4	36,000.0	81,973.4
7	0.0	0.0	0.0	81,973.4	81,973.4		81,973.4
				81,973.4			
8	0.0	0.0	10,000.0	43,973.4	91,973.4	48,000.0	43,973.4
9	0.0	0.0	0.0	43,973.4	43,973.4		43,973.4
10	0.0	0.0	46,000.0		89,973.4	48,000.0	41,973.4
11	0.0	0.0	0.0	41,973.4	41,973.4		41,973.4
12	0.0	0.0	0.0	41,973.4	41,973.4	·····	41,973.4
				41,973.4		······································	
13	0.0	0.0	0.0	41,973.4	41,973.4		41,973.4
14	0.0	0.0	0.0		41,973.4	***	41,973.4
15	0.0	0.0	0.0	41,973.4	41,973.4		41,973.4
16	0.0	0.0	0.0	41,973.4	41,973.4		41,973.4
17				41,973.4			
	0.0	0.0	0.0	41,973.4	41,973.4		41,973.4
18	0.0	0.0	66,000.0	59,973.4	107,973.4	48,000.0	59,973.4
19	0.0	0.0	66,500.0		126,473.4	18,000.0	108,473.4
20	0.0	0.0	0.0	108,473.4	108,473.4		108,473.4
21	0.0	0.0	0.0	108,473.4	108,473.4		108,473.4
				108,473.4			
22	0.0	0.0	0.0	108,473.4	108,473.4	· · · · · · · · · · · · · · · · · · ·	108,473.4
23	0.0	0.0	0.0	108,473.4	108,473.4		108,473.4
24	0.0	0.0	0.0		108,473.4		108,473.4
25	0.0	0.0	0.0	108,473.4	108,473.4		108,473.4
26	0.0	0.0	0.0	108,473.4	108,473.4		108,473.4
				108,473.4			
27	0.0	0.0	0.0	108,473.4	108,473.4		108,473.4
28	0.0	0.0	0.0	108,473.4	108,473.4	****	108,473.4
29	0.0	0.0	0.0		108,473.4		108,473.4
30	0.0	0.0	0.0	108,473.4	108,473.4	48,000.0	60,473.4
				60,473.4			
31	0.0	0.0	35,475.0		95,948.4	18,000.0	77,948.4

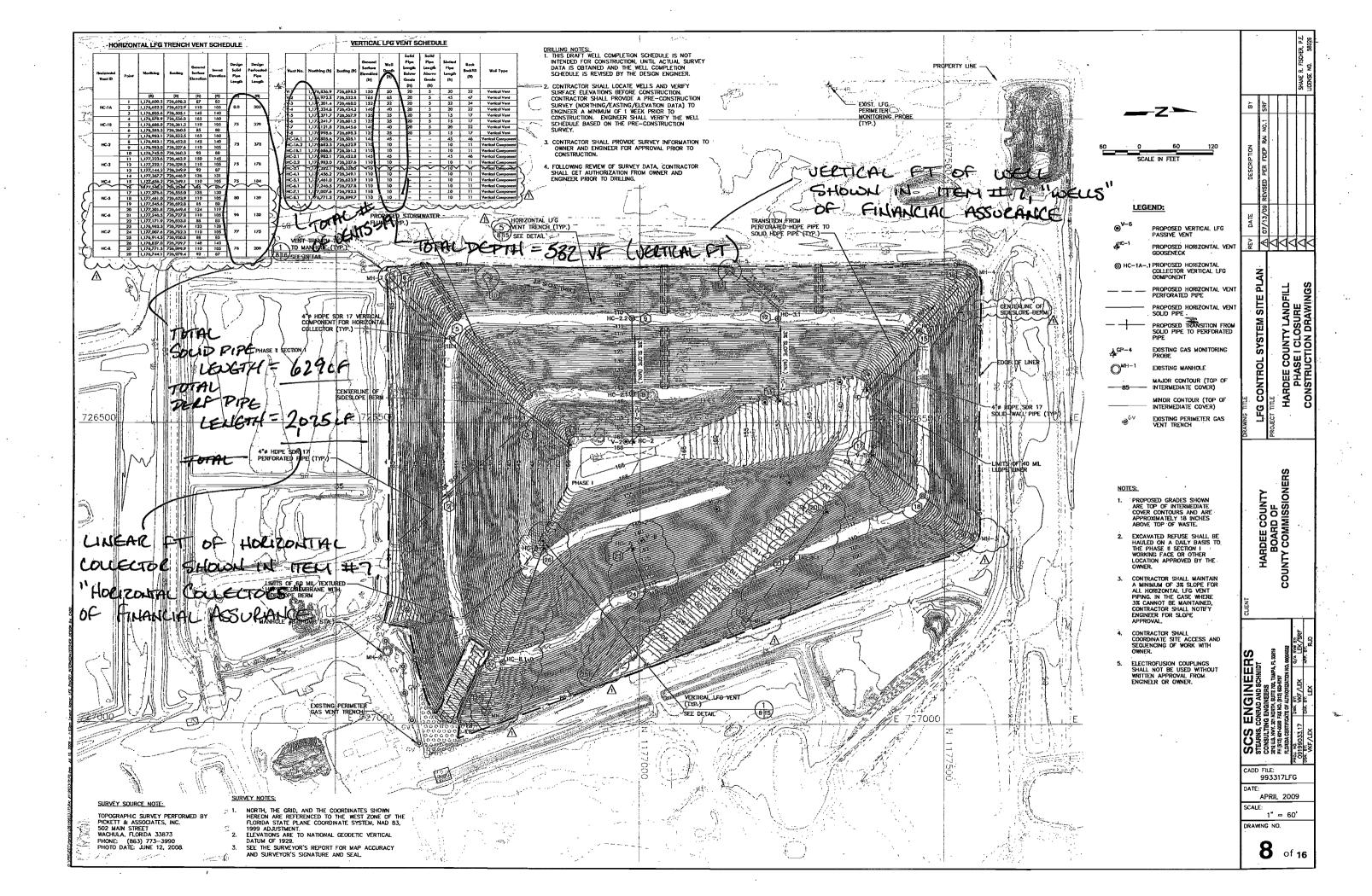
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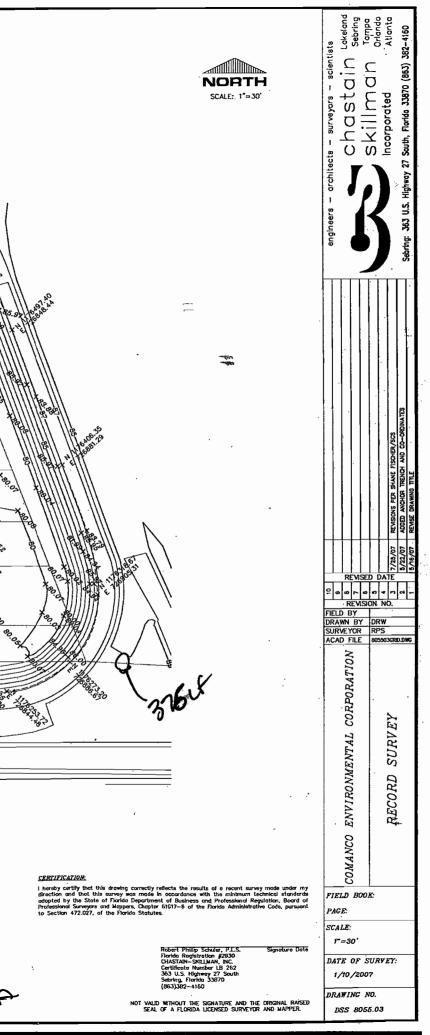
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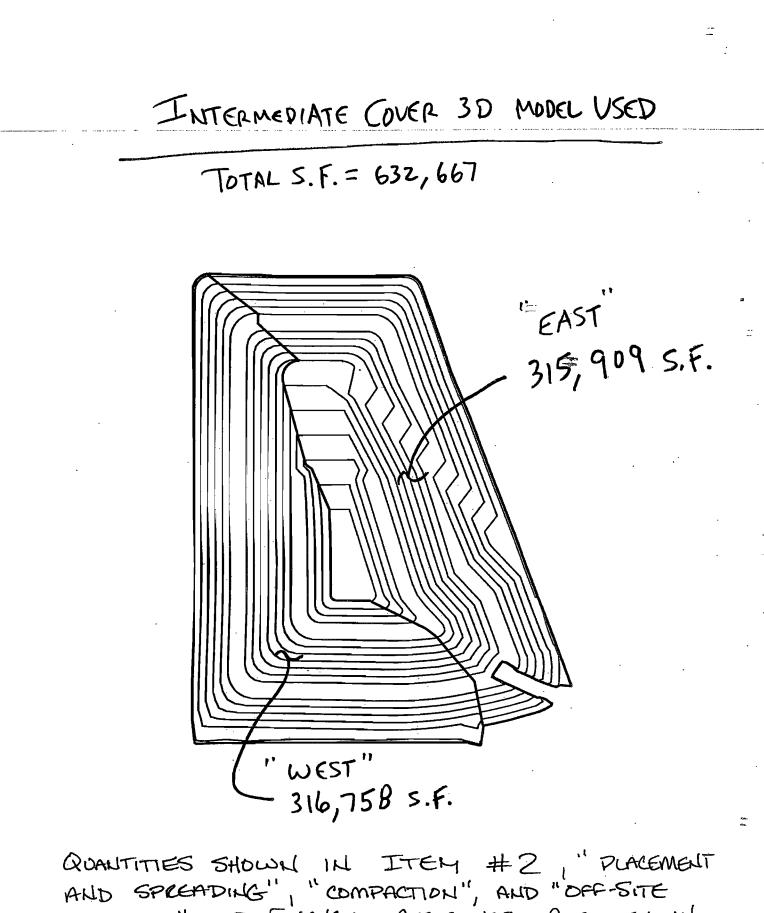






デタ シー シー シー 26649 203 ANCHOR TRENCH CO-ORDINATES (TYP.) (10)Lell LP. 625,LF 6394 AND DESIGN ELEVATION AS-BUILT ELEVATION PHASE II, SECTION I CELL SUBBASE AS-BUILT ELEVATION CONTOUR TOTAL LENGTH OF GRONDWATER COLLECTION PIPE = 6480CF GIBILF TOTAL LENGTH OF PHIL, SEC I GROUND WATER COLLECTION PIPE SHOWN INS ITEM #5, "CLEANING (LINES AND MANHOLES)" OF FINACIAL ASSOCIANCE.





AND SPREADING", "COMPACTION", AND "OFF-SITE MATTERIAL" OF FINANCIAL ASSOCIANCE. ALSO SHOWN IN ITTEM #3, "SYNTHETICS - 40 MIL", "SYNTHETICS - GEONET BIPLANAR GEOCOMPOSITE", AND "SYNTHETICS - OTHER (00-MIL". ALSO SHOWN IN ITEM #4, "OFF-SITE MATERIAL" AND ITEM # 5, "SODDING".