

**SUMMER VILLAGE OF WHITE SANDS COUNCIL MEETING
AGENDA
DECEMBER 21, 2011
12:00 NOON
TOWN OF STETTLER BOARD ROOM**

1. Call to Order
2. Additions to Agenda
3. Minutes
 - a. Adoption of the Minutes of the Regular Summer Village of White Sands Council Meeting held on September 30, 2011 2-5
4. Financial
 - a. Bank Reconciliation as of November 30, 2011 6
 - b. Statement of Revenue & Expenses as of November 30, 2011 7
 - c. Accounts Payable as of December 19, 2011 8-9
5. Administration/Current Concerns
 - a. Memo re: 2012 Interim Operating Budget 10
 - b. Stettler Waste Management Authority 11-21
 - c. Council & Staff Reports **Verbal**
6. Correspondence
 - a. None
7. Bylaws
 - a. None
8. Additions
9. In-Camera Session
10. Next Meeting Date
11. Adjournment

**MINUTES OF THE REGULAR COUNCIL MEETING
OF THE SUMMER VILLAGE OF WHITE SANDS COUNCIL
HELD ON SEPTEMBER 30, 2011
TOWN OF STETTLER BOARD ROOM**

Present: Mayor Lorne Thurston
Councillor Colin Adair (Teleconference)
Councillor Barry Guenette (Teleconference)
Chief Administrative Officer Greg Switenky
Recording Secretary Laurie Tait
Contract Development Officer Dave Dittrick

Absent: Maintenance Contractor Allen Berger

1. **Call to Order:** Mayor L. Thurston called the Council Meeting to order at 10:35 a.m.

2. **Agenda Additions/Approval**

Motion 11:09:01 Moved by Councillor Guenette to approve the agenda as presented.

MOTION CARRIED
Unanimous

3. **Adoption of Minutes**

(a) Minutes of the Regular Council Meeting held on June 17, 2011

Motion 11:09:02 Moved by Councillor Adair that the Minutes of the Regular Council Meeting held on June 17, 2011 be approved as presented.

MOTION CARRIED
Unanimous

4. **Financial** (a) Bank Reconciliation as of August 31, 2011

Motion 11:09:03 Moved by Councillor Guenette that the Summer Village of White Sands Council approve that Financial Items 4(a) be accepted for information.

MOTION CARRIED
Unanimous

(b) Statement of Revenue & Expenses as of August 31, 2011

Motion 11:09:04 Moved by Councillor Adair that the Summer Village of White Sands Council approve that Financial Item 4(b) be accepted for information.

MOTION CARRIED
Unanimous

(c) Accounts Payable as of September 27, 2011

Motion 11:09:05 Moved by Councillor Guenette that the Accounts Payable for the period ending September 27, 2011 in the amount of \$119,356.68 having been paid, be accepted as presented.

MOTION CARRIED
Unanimous

5. Administration/Current Concerns

(a) SMRWSC – Regional Collaboration Program

Motion 11:09:06

Moved by Councillor Adair that the Summer Village of White Sands Council participate in an application for the Regional Water Facility Development project, submitted by the County of Stettler No. 6 under the Regional Collaboration and Strategic Initiative component of the Regional Collaboration Program.

MOTION CARRIED
Unanimous

(b) SMRWSC – Business Plan & Bylaws

Motion 11:09:07

Moved by Councillor Guenette that the Summer Village of White Sands Council approves the Shirley McClellan Regional Water System Business Plan dated September 14, 2011 as presented and the Five Year Water Rate (as per section 6.3.2 – Calculation of Rates 2011-2016 of the SMRWSC Business Plan), as presented.

MOTION CARRIED
Unanimous

Motion 11:09:08

Moved by Councillor Adair that the Summer Village of White Sands Council accept and approve the SMRWSC Bylaw 5-11 and SMRWS Bylaw 6-11 as presented.

MOTION CARRIED
Unanimous

(c) Murray & Christy Brennan – Seasonal Skating Rink Installation

Council mutually agreed to allow the seasonal skating rink installation at the end of the road allowance with the provision that the Summer Village of White Sands be added as an Additional Named Insured to the homeowners insurance policy with regards to the liability of the rink.

(d) Maintenance Contractor – Remuneration Adjustment May 2011

Motion 11:09:09

Moved by Councillor Guenette that the Summer Village of White Sands Council approve a 2011 contract adjustment/increase for Maintenance Contractor Allen Berger from \$3,000 to \$3,500 per month effective May 2011.

MOTION CARRIED
Unanimous

(e) Banking Services Proposals

Motion 11:09:10

Moved by Councillor Adair that the Summer Village of White Sands Council accept the TD Canada Trust banking proposal for the period July 1, 2011 to June 30, 2014 with the option of a 2-year extension.

MOTION CARRIED
Unanimous

(f) 2011 Current Tax Penalty Summary

CAO G. Switenky outlined the Tax Penalty Summary noting that the 2011 Tax Notices were sent late due to the postal strike.

Council mutually agreed to extend the Tax Penalty deadline, this year only due to the postal strike, by one week from July 28, 2011 to August 5, 2011.

(g) Fire Services Agreement

Motion 11:09:11

Moved by Councillor Guenette that the Summer Village of White Sands Council enter into the Fire Agreement with the Stettler Regional Fire Department as presented.

MOTION CARRIED
Unanimous

(h) Development Officer Update

Contract Development Officer Dave Dittrick reviewed and provided further details on his submitted report.

- 6 Cottage permits approved, 2 pending
- RV status – send warning to advise of compliance
- Bed and Breakfast as a home occupation
- Renting of property near boat launch
- Land Use Bylaw changes re – air conditioning, garage heights and variance percentage will be reviewed at the start of the new year.

(i) Council & Staff Reports

Mayor Thurston – Road grading September 29 – 30

- Brushing was carried out over a period of 10 days, a mulcher was also utilized.
- The Hall Society has applied for a Community Initiatives Grant \$14,500 for the Bottle Sorting Building.
- Council mutually agreed to provide a gift certificate for the Moravec's to recognize their dedication for the upkeep of the flowers and planter.
- Maynard subdivision progress and deadlines
- Will be attending the convention in October

6. Correspondence

(a) Roadata Services Ltd. – Transition to TRAVIS MJ (AB Transportation)

(b) County of Stettler No. 6 – Custom Work

(c) Gary Mar – Alberta PC Party Leadership

(d) County of Stettler – Strategic Plan South Shore Buffalo Lake

(e) Stettler Regional Emergency Response Plan

(f) Roles and Responsibilities of Council: Before, During and After Emergencies

CAO G. Switenky advised that the computer disc should be stored at the Multipurpose Building for easy access.

Motion 11:09:12 Moved by Councillor Adair that the Summer Village of White Sands Council accept Correspondence items 6(a) to 6(f) as presented.

MOTION CARRIED
Unanimous

7. **Bylaws** (a) Bylaw 133-11 re: Tax Penalty Bylaw

CAO G. Switenky advised that Bylaw 133-11 is to amend Bylaw No. 47 of the Summer Village of White Sands to allow ratepayers to use a Monthly Tax Installment Plan. The ratepayers will be advised of the Installment Plan procedures on the fall newsletter.

Motion: 11:09:13 Moved by Councillor Guenette that the Summer Village of White Sands Council give first reading to Bylaw 133-11.

MOTION CARRIED
Unanimous

Motion: 11:09:14 Moved by Councillor Adair that the Summer Village of White Sands Council give second reading to Bylaw 133-11.

MOTION CARRIED
Unanimous

Motion: 11:09:15 Moved by Councillor Guenette that the Summer Village of White Sands Council give permission for third and final reading to Bylaw 133-11.

MOTION CARRIED
Unanimous

Motion: 11:09:16 Moved by Councillor Adair that the Summer Village of White Sands Council give third and final reading to Bylaw 133-11.

MOTION CARRIED
Unanimous

8. **Additions**

(a) None

9. **In-Camera Session**

(a) None

10. **Next Meeting Date** Call of the Chair.

11. **Adjournment**

Motion 11:09:17 Moved by Councillor Guenette that this Regular Meeting of the Summer Village of White Sands Council be adjourned.

MOTION CARRIED
Unanimous at 11:40 a.m.

MAYOR

CHIEF ADMINISTRATIVE OFFICER

**SUMMER VILLAGE OF WHITE SANDS
BANK RECONCILIATION
AS OF NOVMEBER 30, 2011**

Net Balance at End of Previous Month	\$	644,038.54
ADD: General Receipts		7,448.91
Interest Earned		706.28
Investments Matured		<u>0.00</u>
SUBTOTAL		652,193.73
LESS: General Disbursements		40,046.30
Investments		0.00
Returned Cheques		0.00
Bank Charges		<u>0.00</u>
SUBTOTAL		<u>40,046.30</u>
NET BALANCE AT END OF CURRENT MONTH	\$	612,147.43
Balance at End of Month - Bank		630,967.58
ADD: Outstanding Deposits		0.00
LESS: Outstanding Cheques		<u>18,820.15</u>
NET BALANCE AT END OF CURRENT MONTH	\$	612,147.43
INVESTMENTS:		
		<u>0.00</u>
SUBTOTAL		<u>0.00</u>
TOTAL CASH ON HAND AND ON DEPOSIT	\$	612,147.43

THIS STATEMENT SUBMITTED TO SUMMER VILLAGE OF WHITE SANDS THIS
2ND DAY OF DECEMBER 2011

MAYOR

CHIEF ADMINISTRATIVE OFFICER

**SUMMER VILLAGE OF WHITE SANDS
STATEMENT OF REVENUE AND EXPENDITURES
AS OF NOVEMBER 30, 2011**

	YTD Budget	YTD Actual	Variance	Annual Budget
Revenue				
General Administration	37,240.00	13,174.86	24,065.14	37,240.00
Protective Services	-	150.00	(150.00)	-
Roads, Streets, Transportation	28,050.00	605.00	27,445.00	28,050.00
Planning & Development	5,000.00	8,475.23	(3,475.23)	5,000.00
Recreation & Parks	2,200.00	2,200.00	-	2,200.00
Taxes/Penalties	385,810.00	389,198.18	(3,388.18)	385,810.00
Other Revenue	2,200.00	6,091.11	(3,891.11)	2,200.00
	<u>2,200.00</u>	<u>6,091.11</u>	<u>(3,891.11)</u>	<u>2,200.00</u>
Total Revenue	\$ 460,500.00	\$ 419,894.38	\$ 40,605.62	\$ 460,500.00
Expenses				
Council & Legislative	10,600.00	7,214.43	3,385.57	10,600.00
General Administration	58,320.00	51,841.22	6,478.78	58,320.00
Fire Fighting & Preventive	14,200.00	11,790.00	2,410.00	14,200.00
Ambulance	-	-	-	-
Bylaw Enforcement	5,000.00	2,501.18	2,498.82	5,000.00
Roads, Streets, Transportation	55,270.00	62,344.49	(7,074.49)	55,270.00
Water Department	24,450.00	3,706.40	20,743.60	24,450.00
Garbage Collection & Disposal	10,900.00	10,076.00	824.00	10,900.00
Planning & Development	13,800.00	8,091.38	5,708.62	13,800.00
Parks & Recreation	31,400.00	27,847.92	3,552.08	31,400.00
Requisitions	204,750.00	162,311.91	42,438.09	204,750.00
Contingency	30,810.00	-	30,810.00	30,810.00
	<u>30,810.00</u>	<u>-</u>	<u>30,810.00</u>	<u>30,810.00</u>
Total Expenses	\$ 459,500.00	\$ 347,724.93	\$ 111,775.07	\$ 459,500.00
Surplus/Deficit	\$ 1,000.00	\$ 72,169.45	\$ (71,169.45)	\$ 1,000.00

Ranges:	From:	To:	From:	To:
Vendor ID	First	Last	Chequebook ID	First
Vendor Name	First	Last	Cheque Number	4055
Cheque Date	First	Last		4071

Sorted By: Cheque Number

Distribution Types Included:All

Vendor Name	Cheque Number	Cheque Date	Cheque Amount
Alberta Animal Services	4055	2011-12-21	\$262.50

Invoice Description		Invoice Number	Invoice Amount

Nov 2011 Bylaw Enforcement		10595	\$262.50

Alta Gas Utilities	4056	2011-12-21	\$148.24

Invoice Description		Invoice Number	Invoice Amount

Natural Gas Oct 19 to Nov 21		2011.11.24	\$148.24

Berger, Allen	4057	2011-12-21	\$4,200.00

Invoice Description		Invoice Number	Invoice Amount

Contracted Maintenance Worker		127041	\$3,675.00
Fuel & Cell Phone Allowance		2011.12.05	\$225.00
2011 Bonus		2011.12.19	\$300.00

Chapman Riebeek	4058	2011-12-21	\$618.45

Invoice Description		Invoice Number	Invoice Amount

Legal Services		2011.11.10	\$618.45

IJD Inspections Ltd.	4059	2011-12-21	\$2,349.67

Invoice Description		Invoice Number	Invoice Amount

Building Permits		WS11-11	\$2,349.67

John Deere Financial	4060	2011-12-21	\$782.60

Invoice Description		Invoice Number	Invoice Amount

Repair Parts		6425829	\$737.31
Repair Parts		6425828	\$45.29

Jubilee Insurance Agencies	4061	2011-12-21	\$3,240.38

Invoice Description		Invoice Number	Invoice Amount

Commerical Liability Insurance		00001489	\$542.81
Commercial Liability Insurance		00001303	\$714.82
Umbrella Liability Insurance		00001707	\$1,030.00
Commerical Package Insurance		00001857	\$952.75

Minister of Finance	4062	2011-12-21	\$23.68

Invoice Description		Invoice Number	Invoice Amount

2010 Linear Equalized Assess		144LA005047	\$23.68

Municipal Property Consultants	4063	2011-12-21	\$4,127.07

Invoice Description		Invoice Number	Invoice Amount

Vendor Name	Cheque Number	Cheque Date	Cheque Amount
2011 Assessor	17011		\$4,127.07
Rollies Vac Systems (1991)	4064	2011-12-21	\$1,181.25
Invoice Description	Invoice Number	Invoice Amount	
Pumpouts	11822	\$1,181.25	
Scott, Graham	4065	2011-12-21	\$900.00
Invoice Description	Invoice Number	Invoice Amount	
2011 Web Site Maintenance	2011.12.05	\$900.00	
Stettler Home Hardware	4066	2011-12-21	\$188.47
Invoice Description	Invoice Number	Invoice Amount	
Supplies	85189	\$9.44	
Supplies	85245	\$18.89	
Supplies	85253	\$13.51	
Supplies	85389	\$107.46	
Supplies	85592	\$21.05	
Supplies	85639	\$18.12	
Stettler Regional Board of Tra	4067	2011-12-21	\$150.00
Invoice Description	Invoice Number	Invoice Amount	
Heartland Dollars	2011.12.19	\$150.00	
Town of Stettler	4068	2011-12-21	\$1,388.78
Invoice Description	Invoice Number	Invoice Amount	
Web Site Hosting	IVC015626	\$1,050.00	
Fuel	IVC015604	\$260.50	
Fuel	IVC015625	\$78.28	
United Farmers of Alberta	4069	2011-12-21	\$3,232.77
Invoice Description	Invoice Number	Invoice Amount	
Supplies	3042-54516	\$52.70	
Supplies	3042-55277	\$17.84	
Supplies	3042-56689	\$386.21	
Suppleis	3042-57546	\$100.76	
Fuel Tank	2109-18588	\$2,308.95	
Fuel Tank add ons	3042-58284	\$366.31	
White, Dan	4070	2011-12-21	\$28.85
Invoice Description	Invoice Number	Invoice Amount	
Web Site Maintenance	2011.12.02	\$28.85	
ZAP Municipal Consulting Inc.	4071	2011-12-21	\$525.00
Invoice Description	Invoice Number	Invoice Amount	
Contracted Development Officer	2011.058	\$525.00	
Total Cheques			\$23,347.71

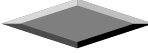
MEMORANDUM

To: Mayor and Council

From: Greg Switenky

Date: December 19, 2011

Re: Interim Operating Budget 2012



Section 242 of the *Municipal Government Act (MGA)* requires Council to adopt an operating budget for each calendar year. Section 242 further states that a Council may adopt an interim operating budget for part of a calendar year. Since the Summer Village's 2012 Operating Budget will not be adopted until May/June 2012, an Interim Operating Budget is required to provide legal expenditure authority per Section 248 of the MGA.

The Interim Operating Budget is not used to set property tax rates; rather its purpose is to be used as the authority to provide services, programs and overall corporate continuity. An Interim Operating Budget ceases to have any effect when the Operating Budget and Tax (Mill) Rate Bylaw is finally adopted in 2012.

At this time of year, it has been usual administrative practice to simply recommend that Council approve the same level of interim operational expenditures for 2012 as was finally approved for the previous year 2011.

Recommendation:

That the Summer Village of White Sands Council adopt, per Sections 242(2) and 248 of the *Municipal Government Act*, an Interim Operating Budget with expenditures totaling \$460,500 for that part of 2012 prior to the Operating Budget being adopted by Council.

November 28, 2011

County of Stettler No. 6
Box 1270
Stettler, AB
T0C 2L0

Dear Sir:

This letter is to advise that the Summer Village of White Sands support in principle for the County of Stettler No. 6 to lease a portion of land from the Stettler Waste Management Authority Landfill Site NE 33-40-19-W4 for the Waste 2 Energy Project and that the Summer Village of White Sands agree in principle to commit a long-term supply of their Municipal Solid Waste to the project.

If you have any questions, please contact the undersigned.

Yours truly,

Lorne Thurston
Mayor
Summer Village of White Sands



Stettler Waste Management Authority

Box 1270, Stettler AB T0C 2L0
Telephone/Fax: (403) 742-4900

2011 12 06



ATTENTION: Greg Switenky, CAO

Summer Village of White Sands
Box 119
Stettler, AB T0C 2L0

Dear Sir or Madam:

RE: All North Consultants Limited

On behalf of the Stettler Waste Management Authority, enclosed please find a copy of the All North Consultants Limited's site topographic survey and volume estimate of the Stettler Regional Landfill. This item is for your Council's information.

Sincerely,



Tim Fox,
Administrator

TF/mmd
Enclosure

L:\Stettler Waste Management Authority\2011\Letters\12 06 - Member Councils re All North Consultants Limited.doc

December 1, 2011

Project No. 11-RD-0093

Stettler Waste Management Authority
PO Box 1270
6602 – 44th Avenue
Stettler, AB T0C 2L0

Attn: Mr. Rene Doucette, Landfill Manager

Re: Stettler Regional Landfill – Landfill Survey and Volume Estimates

The Stettler Waste Management Authority (WMA) engaged Allnorth Consultants Ltd. (Allnorth) to perform a site topographic survey and volume estimate of the Stettler Regional Landfill, located within NE¼ of 33-40-19-W4M, in Stettler County. Access to the landfill is via Township Road 410, approximately 1.3 km east of Highway 56. The landfill currently operates as a Class II landfill.

We understand that the Stettler WMA is considering implementing an on-site waste incineration/co-generation unit that could significantly reduce the waste stream to the landfill. Accordingly, the WMA requires an estimate of the added landfill life based upon this potential waste stream reduction. As well, the WMA requires an estimate of the additional potential landfill life associated with a change to the final cell elevations. A number of scenarios were considered and the results of the estimates are described below.

Background Information

During the preparation of this report, the following documents were obtained and reviewed:

- Application to the Alberta East Central Health Unit for a Permit to Operate a Regional Waste Management Facility at NE33-40-19-W4M, Stanley Associates Engineering Ltd. (November 1993);
- Stettler Regional Landfill Review of Cell Closure, EXH Engineering Services Ltd. (September 29, 2005);
- Stettler Regional Landfill Review of Option to Increase Landfill Capacity, EXH Engineering Services Ltd. (January 19, 2006);
- Stettler Regional Landfill Airspace Analysis, AECOM (November 2010).

It is assumed that the WMA has copies of these reports; thus, copies have not been attached to this letter-report. These background reports describe the layout and naming of the different zones within the landfill.

A very high-level summary of the primary conclusions (relevant to this Allnorth study) of the 4 reports is shown below:

- The original Stanley (1993) report specified landfill cell layout and design elevations for the cell top and bottom;
- The 2005 EXH report assessed a portion of the landfill with respect to cell closure requirements;
- The 2006 EXH report recommended lowering the design floor elevation of remaining landfill cells in Zone 1 to increase capacity;
- The 2010 AECOM report conducted an airspace analysis on the landfill and presented options to increase landfill capacity.

Site Survey

A topographic survey of Zone 1 of the landfill was completed on November 8, 2011. **Figure 1** displays the existing ground contours of the landfill as of that date. Active filling of the landfill was taking place in Area 2 of Zone 1. Area 1 of Zone 1 was surveyed and was considered completed at the time of the survey.

Landfill Build-out Scenarios

Three build-out scenarios were considered in this analysis, as requested by the WMA. Capacity and estimated lifespan, with and without incineration, was calculated for each scenario. A description of each scenario is provided below.

Scenario #1 – Infilling of Zone 1 to the design elevations specified in the Stanley Associates Engineering Ltd. design report.

Scenario #2 – Infilling of Zone 1 using landfill side-slopes of 3:1, to a max depth of 30m from the bottom of the cell.

Scenario #3 – Construction of the Zone 2 landfill cells to the design elevations shown in the Stanley Associates Engineering Ltd. design report.

For calculation of landfill capacities, some assumptions regarding design parameters were made, as described below.

- The elevation of the bottom of landfill cells within Zone 1 were assumed to equal elevations specified in the 2006 EXH report. **Figure 2** displays elevations and contours of the bottom of the landfill cells.
- Maximum cell build-out within Zone 1 includes 3:1 side-slopes and a max height of 30m. Contours for maximum build-out are displayed in **Figure 3**. Cross-sections of this scenario are shown in **Figure 4**.
- The unexcavated area (approximately 0.3ha) in the south-eastern portion of Zone 1, Area 2, was assumed to be excavated and filled with waste to the boundaries shown in the original Stanley report upon build-out.
- Area 2 would not contain any intermediate cell walls, and would be constructed as one large cell.
- Volumes provided include airspace only. They do not include any intermediate cover material or the clay cap on top of the finished landfill (existing clay caps would be removed in order to build the cells up, resulting in a rough balance).
- Volumes of Zone 1 represent the difference between the existing conditions (at the time of survey) and the design build-out, as specified in Scenarios 1 or 2.
- Zone 2 was assumed to be constructed to the elevations shown in the Stanley report (refer to drawings 104 and 106).
- Quantities for annual garbage infill were provided to Allnorth by the Stettler WMA. The parameters were specified as 10,000 tons/year with no incineration, and 2,500 tons/year with incineration. These parameters were used in the determination of the lifespan of the landfill. The rate of waste was assumed as constant.
- For conversion of landfill garbage mass to garbage volume an average density was assumed. AECOM specified a density of 650 kg/m³ in their 2010 Airspace Analysis. cursory review of landfill garbage density specified by Canadian sources indicated that density typically ranges from 500 to 1000 kg/m³. For the purposes of this report, a density of 500 kg/m³ was used in lifespan calculations.

A summary of calculated landfill volumes and lifespans is shown below, in Table 1. Note that the lifespan indicated for Scenario 3 would be in addition to that of 1 or 2 (depending on the WMA's selection) to determine the lifespan of the entire landfill.

Table 1 – Landfill Volumes and Lifespan

Scenario	Remaining Capacity (m ³)	Remaining Lifespan (no incineration)	Remaining Lifespan (with incineration)
1 (Zone 1 Cells, current Design)	94,000	5 years <i>current rate at ground level.</i>	21 years
2 (Zone 1 cells, 30m maximum fill)	422,000	23 years <i>3:1 slope.</i>	93 years <i>3:1 slope.</i>
3 (Zone 2 cells, original design)	274,000	15 years	60 years

* Capacity volume represents airspace, not compacted volume

It should be noted that under current Alberta Environment requirements, development of Zone 2 would require a more stringent design than the current operating cell. *Such as gravel and perforated pipe.*

Summary:

Based upon the site survey, the information supplied to Allnorth, and the assumptions described in this report, the following is noted:

- Adding an incineration unit will increase the lifespan of the landfill by approximately 4 times:
 - From 5 to 21 years, under Scenario 1;
 - From 23 to 93 years, under Scenario 2.

Closure:

This report has been prepared for the exclusive use of Stettler Waste Management Authority and is based upon the best information available at the time, and the assumptions stated herein. Use by third parties, or for purposes other than that stated herein, or for other sites or site conditions, is not permitted without the express written permission of Allnorth Consultants Ltd. (ACL).

Yours truly,

Ward Yurystowski, P.Eng.
Municipal Engineer

ALLNORTH CONSULTANTS LIMITED

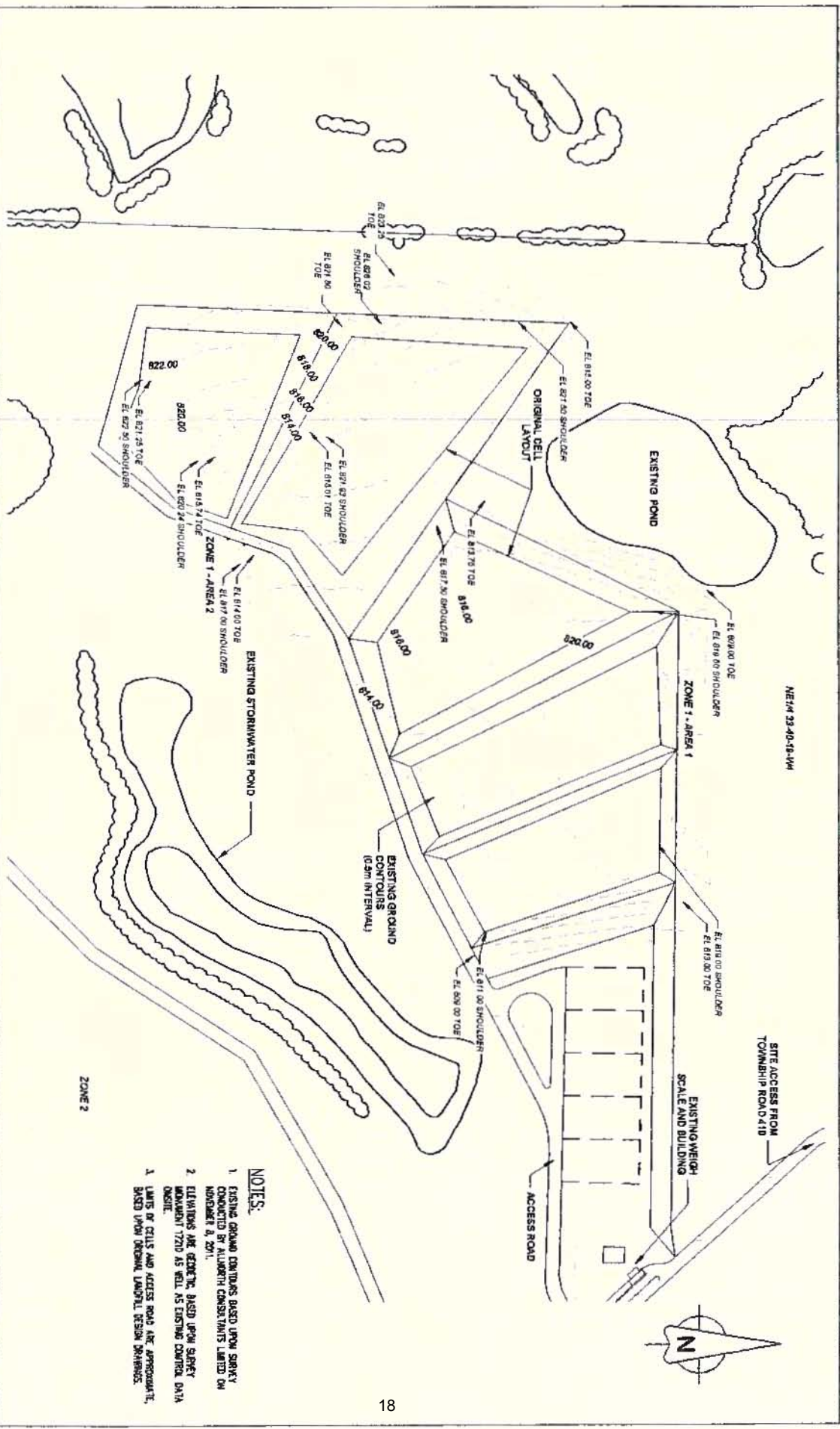
Reviewed by:

Blaine Newton, P.Eng.
Municipal Discipline Lead

1	1/11/2011	ISSUED WITH DRAFT REPORT	WV	BN
2	1/11/2011	FOR REVIEW	WV	BN
REV	DATE	DESCRIPTION	BY	APP

KC ALLNORTH
CONSULTANTS LIMITED
WWW.ALLNORTH.CO.UK

PROJECT	SETTLER WASTE MANAGEMENT AUTHORITY	PROJECT NO	11R00093	DWG BY	WV	DATE	NOV 2011
TITLE	EXISTING GROUND CONTOURS			SCALE	1:2000		
		DWG NO		FIGURE	1	REV	1

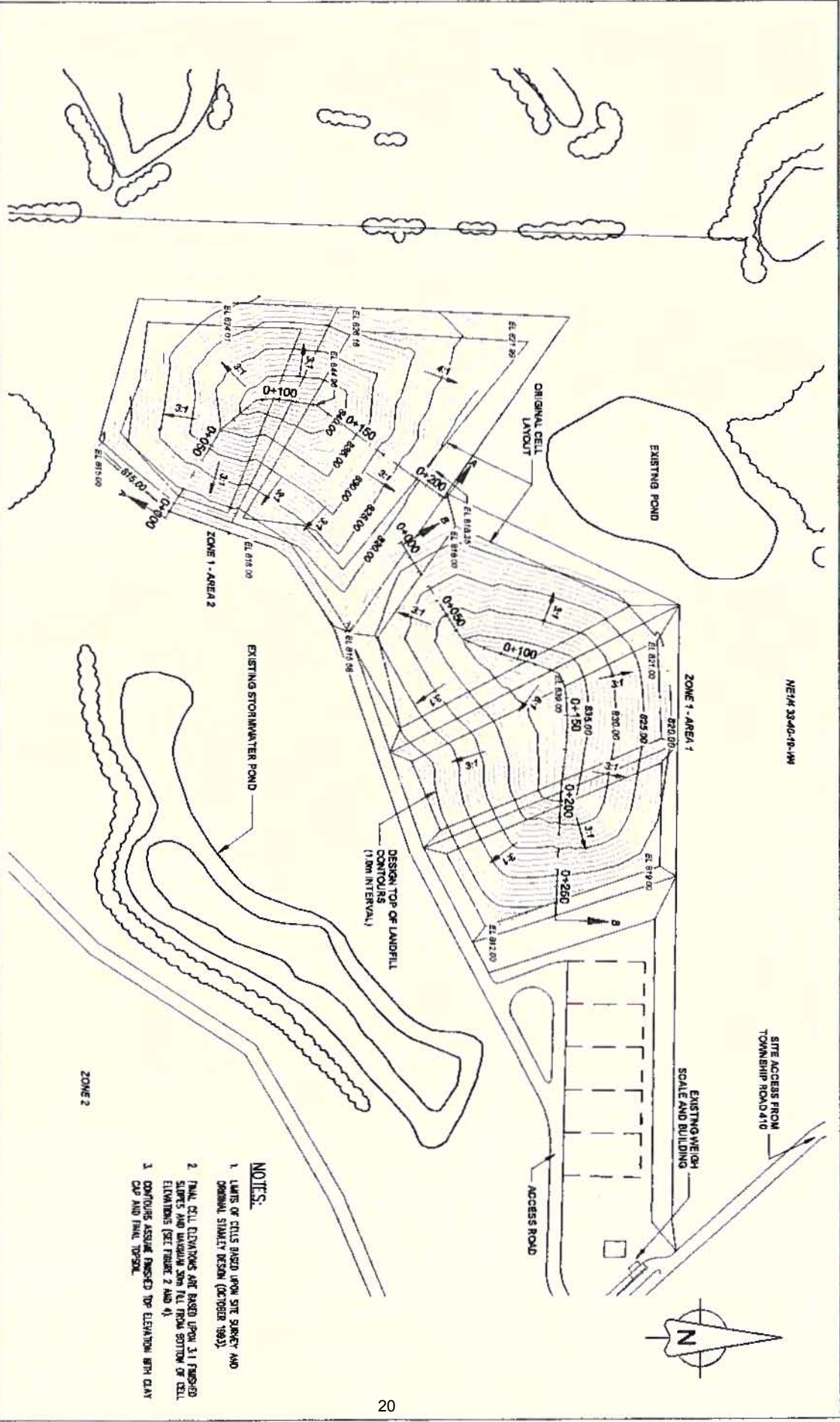


- NOTES:**
1. EXISTING GROUND CONTOURS BASED UPON SURVEY CONDUCTED BY ALLNORTH CONSULTANTS LIMITED ON NOVEMBER 8, 2011.
 2. ELEVATIONS ARE ABOVE DL, BASED UPON SURVEY MONUMENT 1720 AS WELL AS EXISTING CONTROL DATA ON-SITE.
 3. LIMITS OF CUTS AND ACCESS ROAD ARE APPROXIMATE, BASED UPON ORIGINAL LANDFILL DESIGN DRAWINGS.

REV	DATE	DESCRIPTION	BY	APP
1	11/20/11	ISSUED WITH DRAFT REPORT	WV	SN
0	11/17/11	FOR REVIEW	WV	SN
		DESCRIPTION	BY	APP

K ALLNORTH
CONSULTANTS LIMITED
WWW.ALLNORTH.COM

PROJECT TITLE	PROJECT NO.	DWG NO.	DATE
STETTLER WASTE MANAGEMENT AUTHORITY COUNTY OF STETTLER MAXIMUM CELL BUILD-OUT	11RD0093	11RD0093	NOV 2011
		FIGURE 3	SCALE 1:2000
			REV 1



- NOTES:**
1. LIMITS OF CELLS BASED UPON SITE SURVEY AND ORIGINAL STABILITY DESIGN (OCTOBER 1983).
 2. FINAL CELL ELEVATIONS ARE BASED UPON 3:1 FINISHED SLOPES AND MAXIMUM 50% FILL FROM BOTTOM OF CELL ELEVATIONS (SEE FRAMES 2 AND 4).
 3. CONTOURS ASSUME FINISHED TOP ELEVATION WITH CLAY CAP AND FINAL TOPSOIL.

