

**THE MUNICIPAL DISTRICT OF WILLOW CREEK NO. 26**

#26-Hwy 520, Claresholm Industrial Area, Box 550, Claresholm, Alberta T0L 0T0

Phone: (403) 625-3351 Fax: (403) 625-3886

Email: [development@mdwillowcreek.com](mailto:development@mdwillowcreek.com)

**NOTICE OF MUNICIPAL PLANNING COMMISSION MEETING**

**Form B**

**Application No.** 103 -17

**TO: 2-Mile Radius Landowners**

**Notice is hereby given that an application is being made for a development permit with regard to the following:**

**NAME OF APPLICANT:** Tollestrup Construction (2005) Inc.

**TYPE OF DEVELOPMENT:**

Operate as a Class I gravel resource extraction operation.

**LEGAL DESCRIPTION OF SITE:** Ptn. SE 32-09-23-W4M (Hinman Holdings Ltd.)

**PLACE OF MEETING:** Municipal Administration Building, Claresholm

**TYPE OF MEETING:** Regular Municipal Planning Commission

**DATE OF MEETING:** Wednesday, January 24, 2018 at 9:10 a.m.

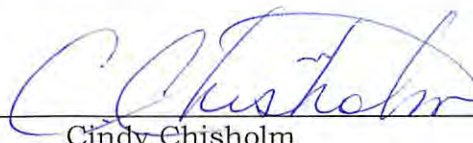
This development application and all associated information are available for viewing at the Municipal Office at the address shown above during normal hours of operation, or on our website at [www.mdwillowcreek.com](http://www.mdwillowcreek.com).

Any person affected by the said proposal has the right to present a written brief prior to the hearing and/or to be present and be heard at the meeting. Any information submitted will become available to the public and may also be shared with the applicant and appropriate government/other agencies and is subject to the provisions of the Freedom of Information and Protection of Privacy Act (FOIP). If you have any questions, please contact The Municipal District of Willow Creek No. 26.

Persons requesting to be heard at the meeting shall submit a written request to be heard to the development officer not later than:

January 19, 2017 (10 consecutive days from the date of this notice)

**DATE:** January 5, 2018 **SIGNED:**

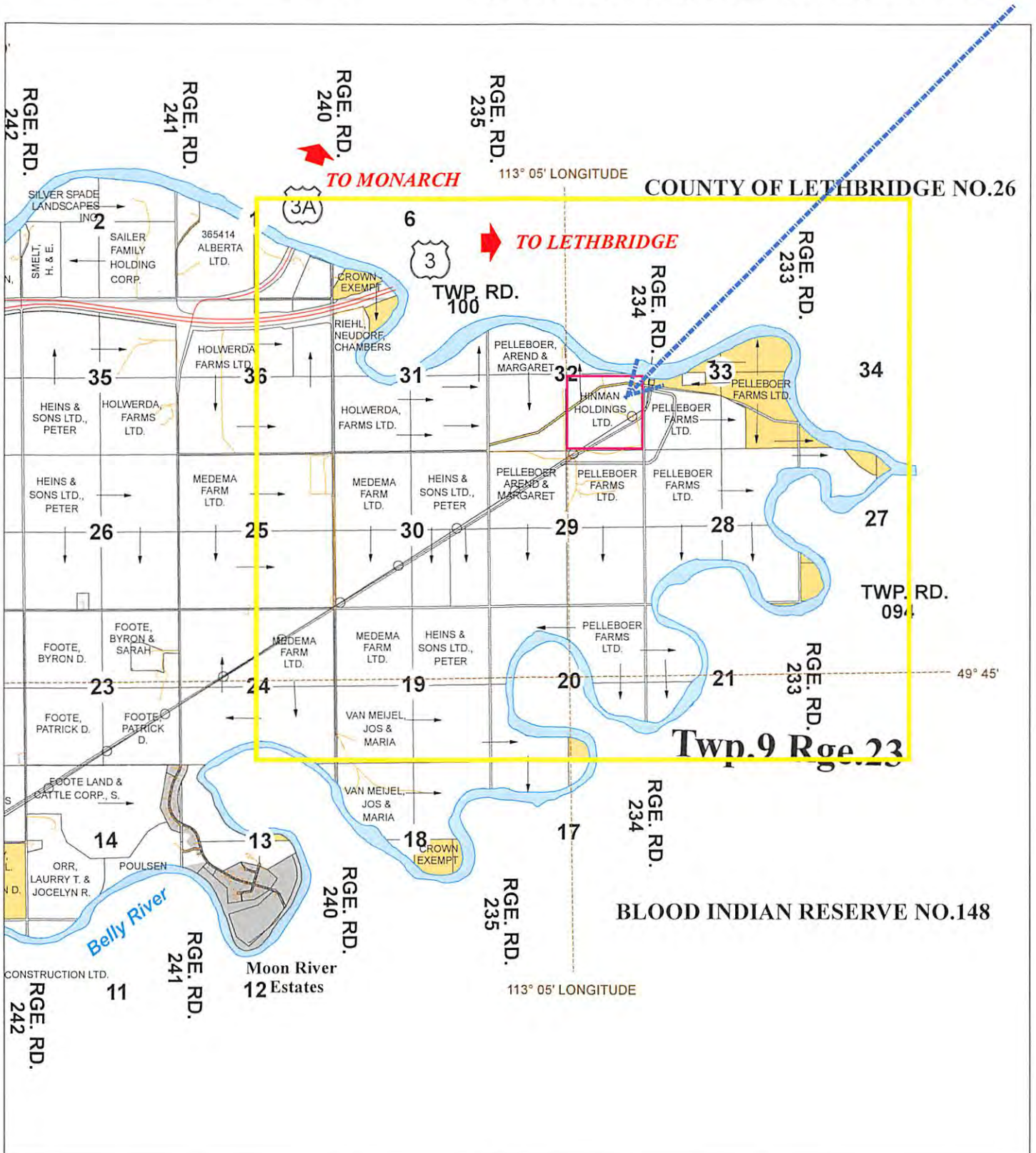


Cindy Chisholm  
Development Officer  
MD of Willow Creek No. 26



# Development Application 103-17

Location: Ptn. SE 32-09-23-W4M



Applicant: Tollestrup Const. (2005) Ltd. (Hinman)



**THE MUNICIPAL DISTRICT OF WILLOW CREEK NO. 26**

Box 550, Claresholm, AB T0L 0T0

Phone (403) 625-3351

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www.mdwillowcreek.com

FOR OFFICE USE ONLY

**APPLICATION FOR A DEVELOPMENT PERMIT**

**IMPORTANT:** This information may also be shared with appropriate government/other agencies (e.g. Alberta Agriculture, Food and Rural Development; Alberta Environment; the regional health authority), and may also be kept on file by those agencies. This information may also be used by and for any or all municipal programs and services. The application and related file contents will become available to the public and are subject to the provisions of the Freedom of Information and Protection of Privacy Act (FOIP). If you have any questions about the collection of this information, please contact The Municipal District of Willow Creek No. 26.

Application No. \_\_\_\_\_

Fees Submitted: \$ \_\_\_\_\_

Site Inspection: \_\_\_\_\_

**Form A**APPLICANT: Tollestrup Construction (2005) Inc.

Telephone: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

Fax: \_\_\_\_\_

MUNICIPAL ADDRESS: \_\_\_\_\_

Bus/Cell: \_\_\_\_\_

REGISTERED OWNER: Hinman Holdings Ltd.

Telephone: \_\_\_\_\_

LEGAL DESCRIPTION: Lot(s) \_\_\_\_\_ Block \_\_\_\_\_ Plan \_\_\_\_\_

OR: Quarter SE Section 32 Township 9 Range 23 W 4 MEXISTING USE: Farm land and former gravel pitPROPOSED USE: Gravel PitPARTICULARS OF PROPOSED DEVELOPMENT: See attached

Additional information or clarification can be helpful in processing the application without delay. You may wish to use the back of this form, or attach a separate sheet with such information. **Please fill out the Right of Entry authorization on reverse.**

**REGISTERED OWNER OR PERSON ACTING ON BEHALF OF:**

I/we agree to the collection and sharing of this information contained in this application, and any other information that may be required to verify and evaluate this application as explained above. I have submitted particulars concerning the completion of the proposed development and agree to comply in all respects with any conditions that may be attached to any development permit that is issued and with any other bylaws that are applicable. I am aware that I may be required to pay for all local improvement costs, which include drainage, sidewalks, road construction, street lighting, water and sewer main extensions, utility connection fees and installation costs at the present established rate.

I have read and understand the terms noted on the reverse side of this form and hereby apply for permission to carry out the development described above and/or on the attached plans and specifications. I further certify that the registered owner(s) of the land described above is aware of this application.

DATE: 17 July 2012

SIGNED: \_\_\_\_\_

nt

**IMPORTANT: See Over**

ADDITIONAL INFORMATION: See attached

**IMPORTANT:**

1. Subject to the provisions of the Land Use Bylaw of The Municipal District of Willow Creek No. 26, the term "development" includes any change in the use of buildings or land.
2. Although the Development Officer is in a position to advise on the principle or details of any proposals, such advice must not be taken in any way as an official consent, and is without prejudice to the decision in connection with the formal application. It must be clearly understood that any development by the applicant within 14 days after receipt of a Development Permit is at his own risk.
3. Please submit a plan or drawing showing locations of existing and proposed buildings, roads, services, boundaries, etc. in sufficient detail to ensure proper consideration of the application. Measurements may be metric or imperial units. It is desirable that the plans and drawings should be on scale appropriate to the development, that is:

Site plans – ratio of 1:1000 or 1:1500

Other drawings – ratio of 1:100 or 1:200

or as required by the Development Officer. However, unless otherwise stipulated, it is not necessary for plans and drawings to be professionally prepared.

4. If a decision is not made within 40 days from the date of the receipt of the application in its complete and final form, the applicant may exercise his right of appeal as though he had been mailed a refusal at the end of the 40-day period unless an agreement for a time extension has been entered into with the municipality.

**RIGHT OF ENTRY:**

I hereby authorize representatives of The Municipal District of Willow Creek No. 26 to enter my land for the purpose of conducting a site inspection in connection with this application.

This right is granted pursuant to Section 542(1) of the *Municipal Government Act*.

DATE: 19 July 2017

SIGNED: \_\_\_\_\_

\_\_\_\_\_  
Registered Landowner(s)

**Development Permit Application**

**For**

**“Hinman Pit”**

**SE ¼ Sec. 32, TWP. 09, RGE. 23, W4M**

**Submitted to:**

**Municipal District of Willow Creek No. 26**



**Tollestrup Construction (2005) Inc.**

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# **1. Introduction**

This document forms part of the Tollestrup Construction (2005) Inc. (TCI) submission to the Municipal District of Willow Creek in support of a requested development permit for a gravel mining and crushing operation.

The area of land in this report shall hereinafter be referred to as the “Hinman Pit” and is located on the SE¼ – 32 – 09 – 23 – W4M. The proposed development area (the total area is 44.32 acres/17.94 ha) as seen on the survey in Appendix C.

This document has been developed in conjunction with the Conservation and Reclamation Activities Plan (CRA) for the Hinman Pit and other environmental approvals and in anticipation of the general conditions normally associated with the municipal Development Permit and site-specific conditions. This document also describes the day-to-day and long-term operating procedures and requirements. It is understood that this document may form part of the conditions of the development permit to be issued by the M.D.

Upon issuance of the requested permit and start of operations, this document and the C.O.P. issued by A.E.P. will form the basis of TCI’s operation of the Hinman Pit.

## **2. General**

### **A. Requirements of other Regulatory Agencies**

1. Provincial environmental regulations will affect the operation of the Hinman Pit. Specifically, the following conditions will be in place (or are expected):

- There will be no operations within 60 meters of the Oldman River, and
- Water will not be diverted off the site.

TCI’s Pit Manager will ensure that all equipment operators are aware of all operational requirements and shall inspect the activity regularly to ensure conformance with all permits, approvals, and this document.



### **3. Communication Plan**

#### **A. Notification of Those Directly Affected**

Currently there are no residents that live along the truck haul route that will be used for travel to and from the Hinman Pit. We have notified in writing the owner of the buffalo feedlot (Bouvry Exports) of our intent to develop this site.

#### **1. Affected Adjacent Landowners and Residents**

Prior to pit activation and reactivation following seasonal shutdowns, residents living within two kilometers will be given proper notification with a minimum of one week in advance. There are currently two residence within the 2km radius.

As shown in appendix C figure 5, the haul route is located on the M.D roads as well as private. TCI will acquire the appropriate road use agreements with the M.D of Willow Creek as well as the property owner for access.

#### **2. Truckers – Operators**

All gravel truck operators will be issued a copy of Tollestrup's "Hinman Pit Code of Conduct for Truck Operators" (see Appendix B), which includes details about the truck haul route.

#### **B. On-Site Meetings**

Prior to the start of any new activity at the pit, a Hazard Assessment will be conducted by the site supervisor. All who enter the site will be required to review and sign the Hazard Assessment.

Every person who works at the site will be required to complete a daily Field Level Hazard Assessment which must be updated with each task performed. There will also be a weekly Site Inspection, accompanied by a weekly Toolbox Meeting both conducted by the site supervisor and will be attended by all workers assigned to the site.

### **4. General Pit Development**

#### **A. Timing**

We plan to open the Hinman Pit and begin operations immediately once all permits and approvals are in place. The opening date is anticipate to be late fall 2017 or winter 2018 with an estimated life span of 10 years.

In accordance with the requirements to obtain a pit registration with A.E.P, TCI has developed a Conservation and Reclamation Activities Plan (C&R Plan). This plan is attached as Appendix A to this document. The following is detailed in the C&R Plan:

- Conservation and reclamation activities
- Reclamation contours and grading
- Revegetation
- Weeds and weed controls
- Monitoring and maintenance

Also attached in appendix C are activity plans for the Hinman site. Within are images showing the pit location along with plans for the 2 phase operation of mining and reclamation to be done. Additionally the haul route is shown with the portions of road that are M.D and private property. A cross section of the pit is also supplied. Progressive reclamation will be used at this pit with the intended end land use of agricultural used as productive farmland.

## 5. General Pit Operating Procedures

### A. Types of Activities

The proposed land uses include gravel mining, and gravel crushing. Stockpiles of various gravel products will be established.

### B. On-Site Equipment

The following list of equipment is based on the specific operation as described:

Stripping	Motor Scraper
Mining/Crushing	Loader, Excavator, Portable Crusher
Stockpiling	Tandem Dump Truck, Rock Truck
Trucking	Tandem Dump Truck with Trailer, Tractor Trailer with Side-Dump Trailers
Dust Suppression	Tandem Axel Water Truck
Reclamation	Motor Scraper, D8 Dozer, Tractor , Cultivator, Seeder

### C. Hours of Operation

All activities can/will occur as follows:

	Summer	Winter
<b>Weekdays</b>	07:00 - 19:00	08:00 - 17:00
<b>Saturdays</b>	07:00 - 17:00	08:00 -17:00

## **D. Managed Pit Operations**

### **1. Equipment Servicing**

All servicing and fueling of equipment will be done by a trained and competent worker. Used oil, fluids, and filters will be collected, contained, and removed from site immediately. Spill kits will be available, and any accidental spills will be cleaned up immediately.

### **2. Trash Collection**

All trash will be placed in bags and removed from the site daily. The site will be inspected routinely by the on-site manager and staff to ensure there is no errant material. No garbage will be imported to the site.

### **3. Sewage**

Portable, commercially serviced outhouses will be used at all times on site.

## **6. Dust Control**

### **A. Dust Control on the Haul Route**

TCI will provide appropriate dust suppression on the gravel road in front of the buffalo feedlot in addition to the East/West gravel road that runs parallel and adjacent to Hwy 3 and for 300 m where the road turns south to maintain acceptable levels of dust emissions. TCI will enter into a Heavy Hauler Road Use Agreement with the M.D. of Willow Creek regarding the use of municipal roads and will additionally obtain an easement of access for the haul route from land owners.

### **B. Dust Control at the Pit**

The roads in the pit will be watered as required to prevent any dust from carrying into the neighbor's yard (located approximately 700m southwest of the application area).

## **7. Noise Control**

The Hinman Pit is located approximately 700m from the closest resident. In the case of a portable gravel crusher being used on site, suppression of the noise emissions will take place by the positioning of equipment in below grade elevations (in the excavated area), when practical, the orientation of equipment will have noise directed away, and stockpiles position may be placed to act as an additional barrier when applicable.

## **8. Site Security and Protection**

### **A. Use of Signs to Enhance Public Safety**

The pit boundary shall be posted with No trespassing, Danger-open Excavation signs at the pit entrance/exit and the mid-point of the road that cuts through the southern portion of SE¼ 32. Additionally signs indicating the haul route to be used to and from pit will be posted in appropriate locations.

## **9. Contact Information**

The following TCI employees should be contacted to address any concerns that the M.D. of Willow Creek may have:

Doug Atwood (1<sup>st</sup>)                      Director of Operations

Jonathan Hamilton (2<sup>nd</sup>)              Chief Operating Officer

Tollestrup Construction Main Office

# **TOLLESTRUP**

*Construction Inc.*

October 26, 2017

To: Cindy Chisholm  
Manager, Planning & Development  
M.D. of Willow Creek

Re: Hinman Gravel Pit (SE ¼ Sec. 32, TWP. 09, Rge. 23, W4M)

Dear Ms. Chisholm,

On December 20, 1996 TCI was granted EPEA approval No. 15212-01-00 for the mining of gravel at the "Hinman Pit". Under the EPEA Conservation and Reclamation Regulation it is the responsibility of TCI to complete the reclamation work at the "Hinman Pit". In order to comply with our legislated duties it is necessary to have this land zoned Rural Industrial.

In July, 2017 Tollestrup Construction (2005) Inc. (TCI) filed an application with Alberta Environment and Parks for an Environmental Protection and Enhancement Act (EPEA) Code of Practice for Pits (COPP) Registration for the Hinman Pit. The application # is

If you have any questions, please contact me on my cell phone at any time.

Kind Regards  
Doug Atwood

**Doug Atwood**  
Director of Operations  
Tollestrup Construction 2005 Inc.

## **APPENDIX A – CONSERVATION AND RECLAMATION PLAN (C&R PLAN)**

The following is taken from the application currently under review by Alberta Environment.



## **4.0 RECLAMATION PLAN**

The reclamation objective for TCI Pit activities and operations, as directed through the conservation and reclamation sections of the Activities Plan, has been developed to work towards achieving equivalent land capability. That is, returning all surface disturbances and/or disturbed land to a similar, but not necessarily the same, land use or uses after final reclamation work is completed. At this time, TCI proposes the return of this disturbed land 31.5 ha (77.9 ac) for agricultural purposes (i.e., irrigation cultivation) in consideration of potential alternative land uses that may be determined by the current landowner(s) at a later date, subject to land use approval by MD-Willow Creek.

Subject to approval by the AEP designated director, TCI would also propose the potential import(s) of any identified surplus overburden or other suitable reclamation materials from either TCI facility:

- “Leverick” Pit (Pt. N½ Sec. 25 & S ½ Sec. 36-009-23 W4M); and/or,
- “River Bottom” Pit (Pt. N½ Sec. 01 & SW¼ Sec. 12-009-22 W4M).

In addition to required Activities Plan revisions, TCI would also confirm materials balance available at each facility and reclamation suitability of the materials being considered for import to the “Hinman” Pit.

TCI recognizes that approved COPP registrations with supporting Activities Plan would have to be current and in compliance for any future Activities Plan amendments and AEP approval of imported materials.

### **4.1 Conservation and Reclamation Activities**

Through each successive development stage of the Pit, topsoil and subsoil layers, about 20 cm in depth combined, will be over-stripped and stockpiled when preparing designated Pit excavation areas. Before starting any sand and gravel excavations, the overburden layer (on average, about 1.0 m thick) is also excavated in lifts and stockpiled in a suitable location for future Pit reclamation purposes.

TCI expects that the Pit and its operating infrastructure (open excavation areas, stockpiles and internal haul roads) will continue to be maintained annually, with up to 31.5 ha (77.9 ac) of surface disturbance (or surface re-disturbance) required for the proposed development and/or reclamation phases.

If required on a seasonal basis, temporary soil or overburden materials will be stockpiled in depleted excavation areas. Sufficient separation distances, 3 m or greater, will be provided between any stockpile sites to prevent potential mixing of soil and overburden materials.

### **4.2 Reclamation Contours and Grading**

Conceptual contours and grades for final reclamation work are depicted on the cross-section figures for the Activities Plan in Appendix A. Final contours and grades will be free-draining or drain toward Pit bottom low areas. Constructed side slopes will reflect expected land capability and land use.

Final contours and grades for reclaimed borrow areas are expected to be gentle to moderate (gentle slopes, 10:1 or flatter; and moderate slopes, 6:1 or flatter) within the reclaimed landscape. Stronger (minimum 3:1 or flatter) constructed side slopes only as required for property boundaries.

### **4.3 Revegetation**

Seedbed preparation work and revegetation will be scheduled by TCI with reclamation activities to ensure that reclaimed Pit working areas are not left void of a vegetated cover for extended periods of time. Seed mix(s) and fertilizer used for revegetation/cultivation purposes will be consistent with agricultural end land use and confirmed with the landowner(s) before application.

### **4.4 Weeds and Weed Controls**

Project properties will be monitored for Noxious and Restricted weeds as defined by the Weed Control Act (GOA 2008) and regulations in conjunction with MD-Willow Creek bylaw requirements. Herbicides may be applied to control weeds and will be applied in accordance with the Environmental Code of Practice for Pesticides (GOA 2010).

### **4.5 Monitoring and Maintenance**

A monitoring program will be developed and implemented by TCI to assess the success of reclamation work. The program will be developed to ensure consistent, objective assessment until a desired plant community (for intended land use) is established. Success will be measured as compared to applicable reclamation criteria and the requirements as set by statute or regulatory approvals.

Assessments would involve, but not be limited to the following monitoring and/or maintenance activities:

- success of species revegetation with related mitigation measures;
- landscape characteristics (e.g., contour, drainage, subsidence); and,
- effectiveness of erosion and sediment control measures.

Post-reclamation monitoring will be conducted by TCI or their consultants in late summer/fall to assess any revegetation work and will continue until areas under revegetation are established successfully. This will most likely occur in approximately two (2) years following revegetation, depending upon the degree of disturbance and complexity of revegetation work.

## APPENDIX B – TRUCK OPERATORS CODE OF CONDUCT

### Code of Conduct for Truck Operators at the “Hinman Pit”

1. Trucks shall meet all requirements under the Highway Traffic Act, Occupational Health & Safety Act, National Safety Code, and the Commercial Vehicle Inspection Program (CVIP). CVIP stickers must be prominently posted on the vehicle. Trucks are to be kept in good mechanical condition and available for mechanical inspection if one is requested.
2. No truck will be permitted to load in excess of its maximum allowable weight.
3. Loads must be leveled to prevent spills. All hitches, sideboards, etc. must be cleaned prior to leaving the work site or pit site. All loads must be tarped when in transit.
4. All posted speed limits, permanent or temporary, must be adhered to.
5. All STOP and YIELD signs must be adhered to.
6. All operators must follow the designated haul route.
7. Truck operators shall turn only when safe to do so. Care and consideration will be given at all times to the travelling public.
8. All trucks must have automatic backup alarms in operation at all times on the project. All truck operators must attend site safety meetings when notified. Hazard Assessments must be reviewed and signed per TCI safety protocol. Safe Work Practices and Job Procedures must be adhered to.
9. All TCI safety policies and rules must be adhered to.
10. All personal injuries or property damage must be reported immediately to the pit site supervisor.
11. Operators are to remain in their truck while the truck is being loaded.
12. Passing will not be permitted within the pit. Passing on gravel roads is not permitted. Convoying (following closer than 500m) is not permitted.
13. No garbage shall be disposed of on-site other than in designated garbage containers.

Failure to comply with these instructions will result in disciplinary action per TCI company policy.

Operators Name: \_\_\_\_\_

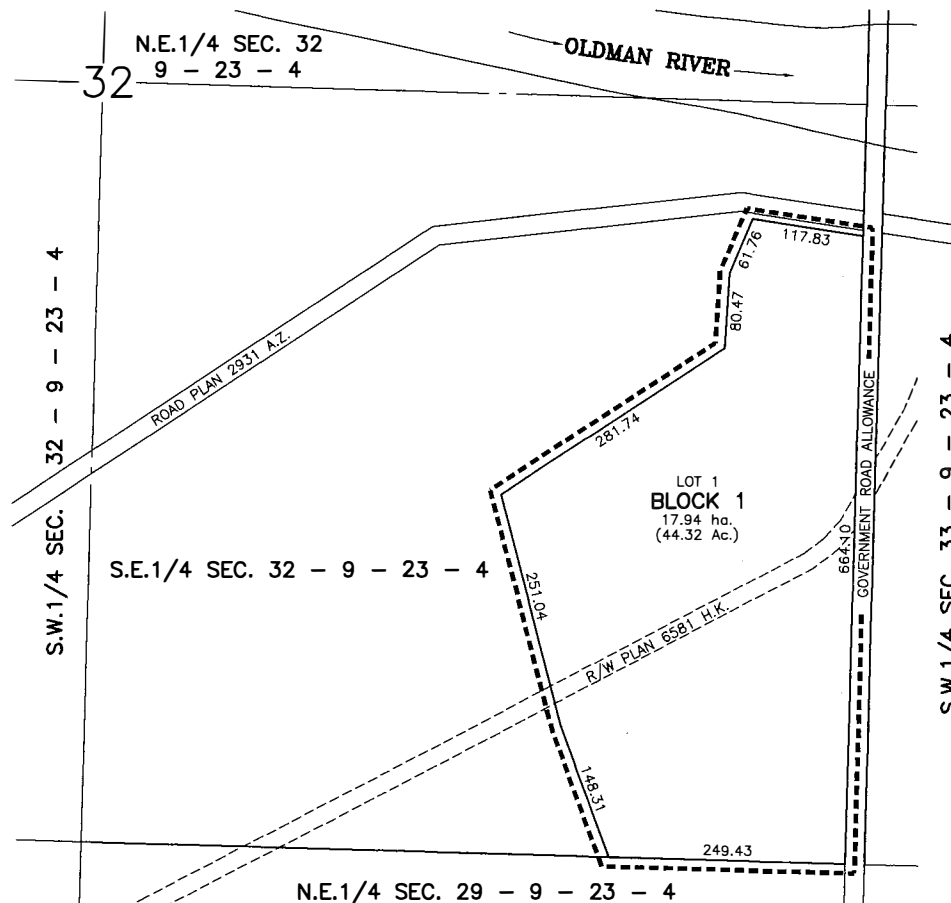
Operators Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Witness Name: \_\_\_\_\_

Witness Signature: \_\_\_\_\_

## **APPENDIX C – ACTIVITIES PLAN**



TOLLESTRUP CONSTRUCTION (2005) INC.



brown okamura & associates ltd.  
Professional Surveyors

NO.	REVISION	DATE	BY

NOTE : Portion to be approved is outlined thus -----  
and contains approximately 17.94 ha.  
Distances are in metres and decimal parts thereof.

Distances and areas are approximate and are  
subject to change upon final survey.

TENTATIVE PLAN SHOWING SUBDIVISION  
of part of  
S.E.1/4 SEC. 32; TWP. 9; RGE. 23; W.4 M.

MUNICIPAL DISTRICT OF WILLOW CREEK No. 26

APPROVED

T. C. Penner, A.L.S.

DRAWN CJB

CHECKED TCP

SCALE

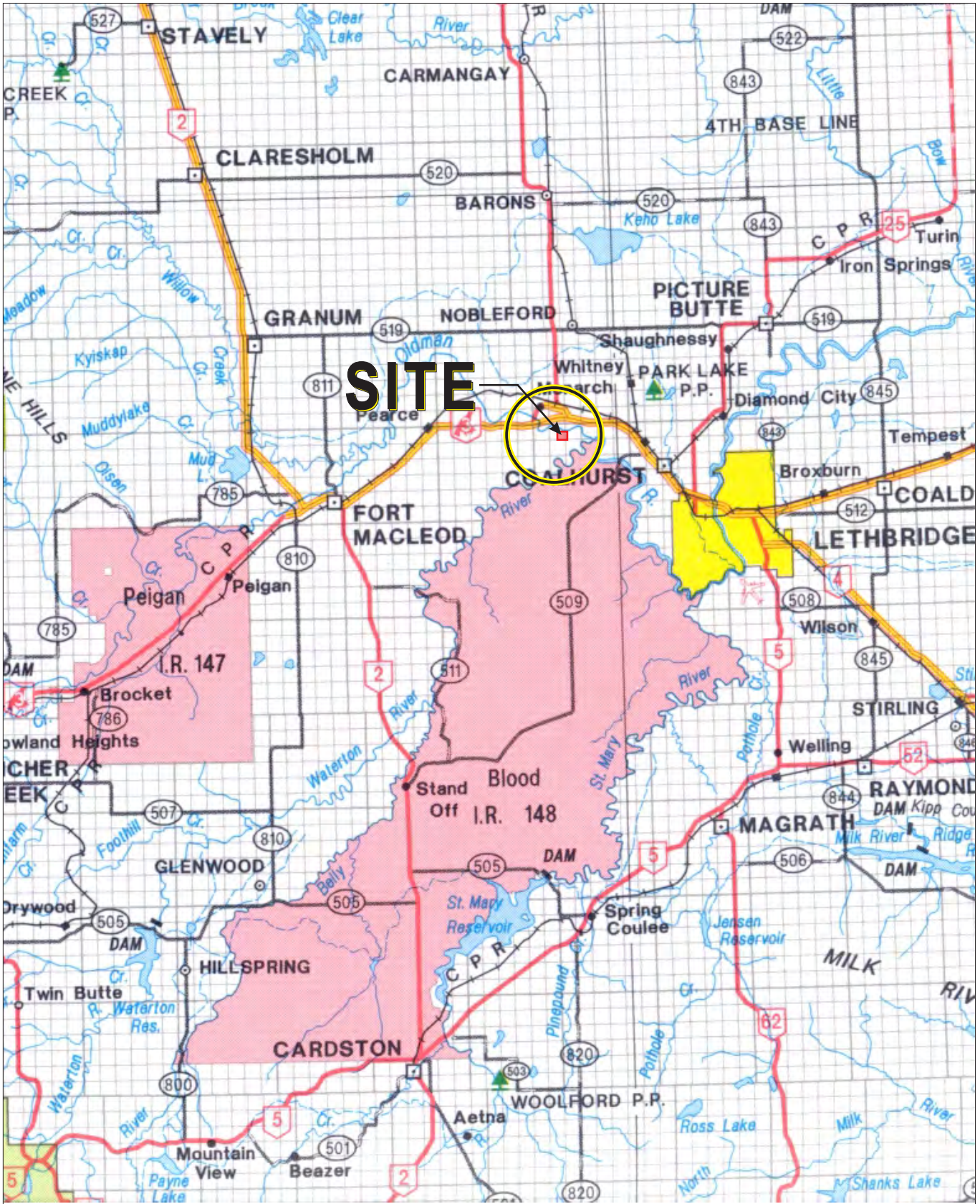
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DATE OCT. 17/17

JOB 17-13881

DRAWING

17-13881T



**SITE**

**HINMAN PIT**

**LOCATION PLAN**

PROJECT NO.	DWN	CKD	REV
OFFICE	RMA	JT	
DATE	April 2017		

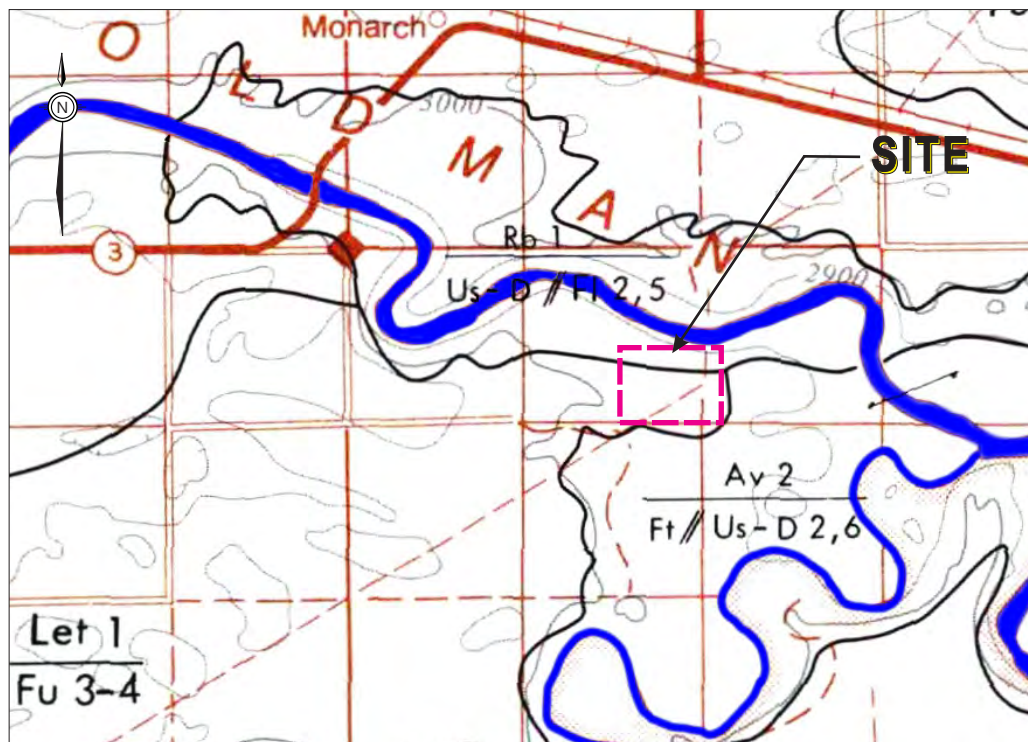
**Figure 1**

NOTES









1. DOMINANT SIGNIFICANT INCLUSION	~ comprises over 40% of the soil unit ~ comprises over 15% but less than 40% of the soil unit ~ comprises 15% or less of the soil unit
2. COMPOSITION	~ mode of origin of the deposit on which soils have developed
A fluvial	accumulations of material deposited during comparatively recent geologic time by a stream or other body of running water.
Ft <sup>G</sup> glacialfluvial	pertaining to the deposits and landforms produced by meltwater streams flowing from wasting glacier ice
Lt <sup>G</sup> glaciolacustrine	deposits composed of suspended material brought by meltwater streams flowing into lakes bordering on the glaciers
M morainal	accumulations of unsorted, unstratified glacial drift, predominantly till (variable mixture of boulders, gravel, sand, silt and clay) deposited by glacier ice
U undifferentiated	accumulations of unconsolidated deposits where differentiation into a specific class is impractical
R rock	undifferentiated bedrock deposits brown (arocket) (Lethbridge)

3. SURFACE EXPRESSION	~ considers attributes of landforms such as arrangement of slopes of pattern, pattern density, steepness of slopes of the pattern.
l - level:	a relatively flat area having few or no prominent surface irregularities
i - inclined:	areas with a pronounced slope, usually continuous in one direction throughout the entire unit
s - steep:	areas with a very pronounced slope, usually greater than 30%
u - undulating:	a regular, smooth, wave-like pattern with slope length generally less than 0.5 mile. Slopes from 2 to 5%
m - rolling:	a regular, smooth, wave-like pattern with slope length often one mile or greater and gradient's greater than 5%
h - hummocky:	abounding in irregular, rounded or conical knolls, mounds, or other small elevations and irregular depressions
r - ridged:	a long, narrow elevation of the surface, usually sharp crested with steep sides
t - terraced:	a large bench or step-like ledge breaking the continuity of a slope
b - blanketed:	surface form in areas of thin surficial deposits shows some influence of underlying materials
v - veneered:	surface form in areas of very thin surficial deposits which is strongly influenced by underlying materials

MODIFIERS -	
D - dissected:	(dissected)
E - eroded:	

SYMBOLY FOR GRADIENT CLASSES	
1 = flat or level:	from 0 to 0.5%
2 = nearly level:	from 0.5 to 2%
3 = very gentle slopes:	from 2 to 5%
4 = gentle slopes:	from 5 to 9%
5 = moderate slopes:	from 9 to 15%
6 = strong slopes:	from 15 to 30%
7 = very strong slopes:	from 30 to 45%
8 = extreme slopes:	over 45%

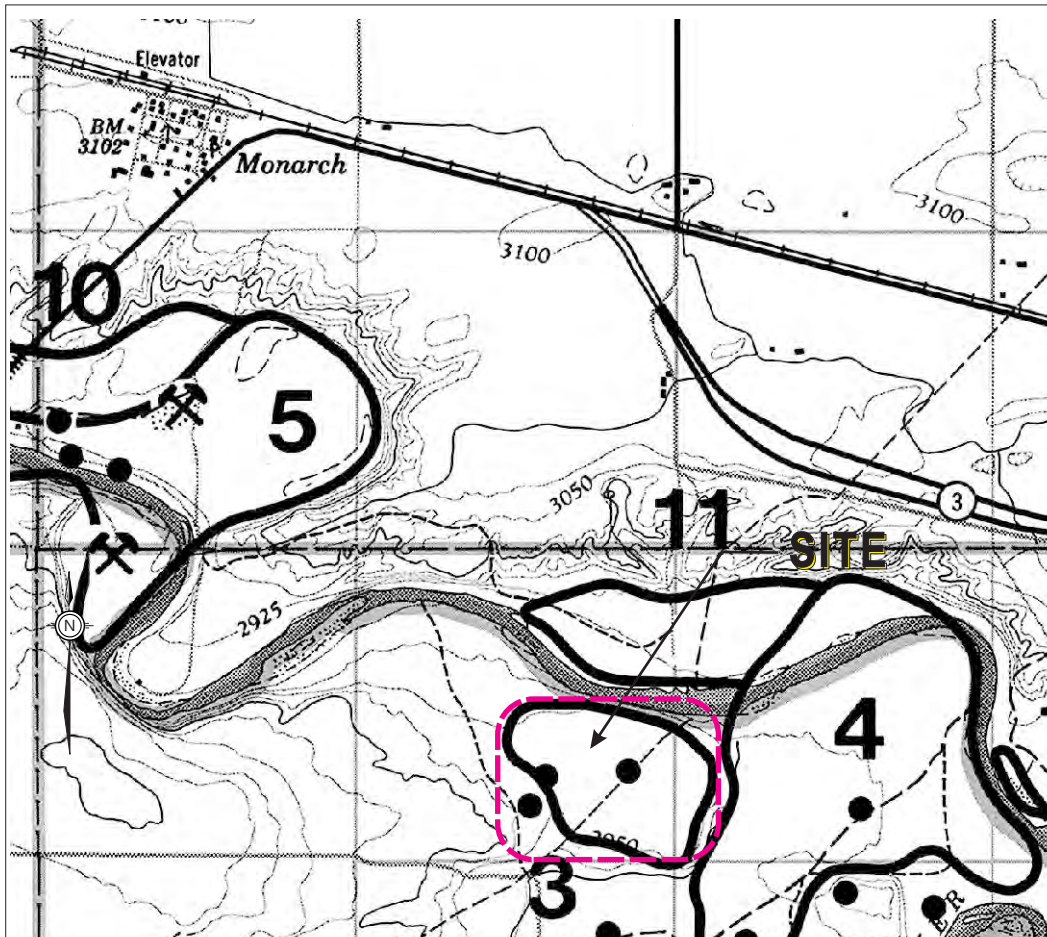
ABUNDANCE DESIGNATION	
dominant /	subordinate
very dominant //	very subordinate

SEQUENCE OF MAP SYMBOLS	
(Rb-Let) 1	Soils
Mu// 3	Landform Gradient Class
Mu	

## LEGEND

MAP SYMBOL	MAP UNIT NAME	SOIL		LANDFORM		CHARACTERISTICS
		DOMINANT <sup>1</sup>	SIGNIFICANT <sup>1</sup>	INCLUSION <sup>1</sup>	COMPOSITION <sup>2</sup>	
Rb 1	ROUGH BROKEN	Orthic Regosol	Rego Dark Brown		Undifferentiated	Level, terraced, steep sloping (2 and 6)
Rb 2		Orthic Regosol			Coarse-loamy to fine-loamy morainal and colluvial veneer and blanket over bedrock	Inclined, steep sloping (3 to 7)
Let 1		Orthic Dark Brown (Lethbridge)			Fine-loamy fluvial or lacustrine material	Terraced, fan, undulating, ridged (2 to 5)



#### GENERAL COMMENTS

#### DEPOSIT CHARACTERISTICS

Deposit Number	Material Description	Reserves (1000 m <sup>3</sup> )		Additional Comments	Texture (%)			Overburden Thickness (m)	Deposit Thickness (m)	Deposit Area (ha)	Deposit Genesis	Additional Comments	
		Gravel	Sand		Gravel	Sand	Fines						
3	Sandy gravel	1246	524	Gravel coarse and fine; sand medium grained.	69.2	29.1	1.7	0.6	up to 8.2	60	Recent alluvial		

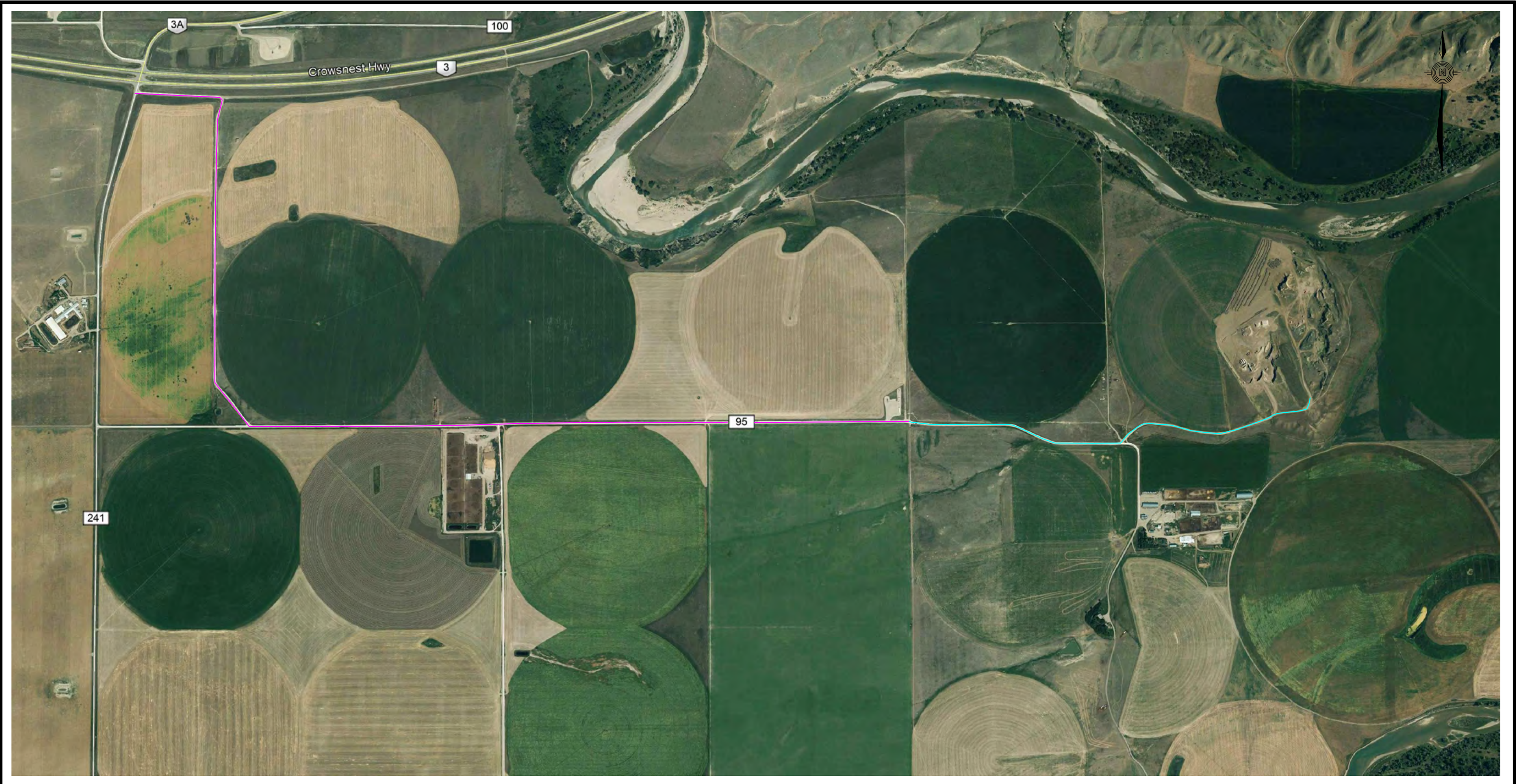




NOTES:  
SE ¼ 32-9-23-W4M & SW ¼ 33-9-23-W4M  
  
Images taken 25/10/2017

HINMAN PIT SITE				
SITE PLAN				
Current Site Image				
TCI PROJECT NO.	DWN	CKD	REV	FIGURE 5
	DATE October 2017			





**TOLLESTRUP**  
Construction Inc.

NOTES:  
SE ¼ 32-9-23-W4M & SW ¼ 33-9-23-W4M

M.D of Willow Creek Road — magenta line  
Private Road — cyan line

HINMAN PIT SITE				
SITE PLAN Haul Route				
TCI PROJECT NO.	DWN	CKD	REV	FIGURE 6
	DATE October 2017			



32



NOTES:  
SE ¼ 32-9-23-W4M & SW ¼ 33-9-23-W4M

- Resource Extraction Area
- Reclamation Area
- Previously Reclaimed Area
- Drainage Channel
- Access Route

HINMAN PIT SITE

SITE PLAN  
Phase 1

TCI PROJECT NO.	DWN	CKD	REV
DATE	October 2017		

FIGURE 7



32



NOTES:  
SE ¼ 32-9-23-W4M & SW ¼ 33-9-23-W4M

- Resource Extraction Area
- Reclamation Area
- Previously Reclaimed Area
- Drainage Channel
- Access Route

HINMAN PIT SITE

SITE PLAN  
Phase 2

TCI PROJECT NO.	DWN	CKD	REV
DATE	October 2017		

FIGURE 8





# Legend

- Existing Site Conditions
- Pre-2017 Surface Disturbance
- Post-2017 Surface Disturbance
- Soil Stockpile
- Overburden Stockpile



SCALE: 1:4,500	Drafted: MGW	Date:	Revision:
	QA/QC: BJV	July 5, 2017	8
	Approved: BJV	Date:	Revision:
	Development Source:	July 4, 2017	N/A
	Email:		



Data Sources:

Although we have no reason to doubt the accuracy and completeness of the data used to generate this product, users should be aware that errors in the data may be present.

AGGERS TECHNICAL SERVICES LTD.

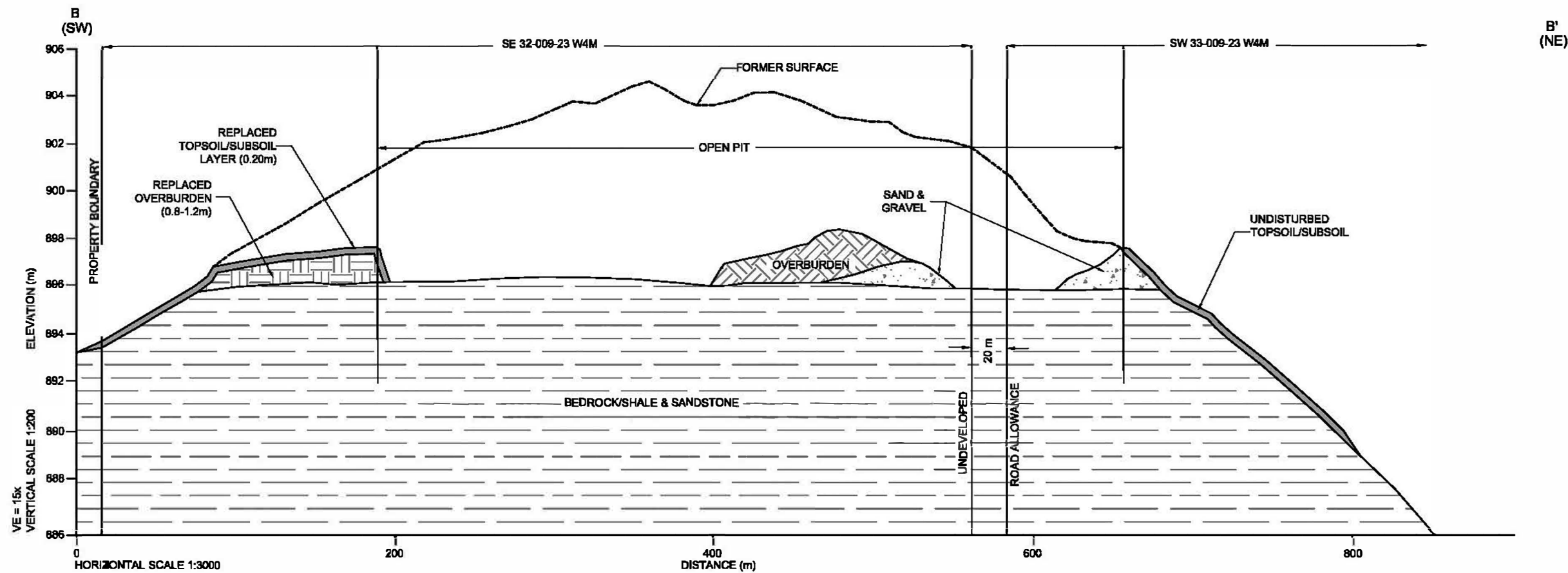
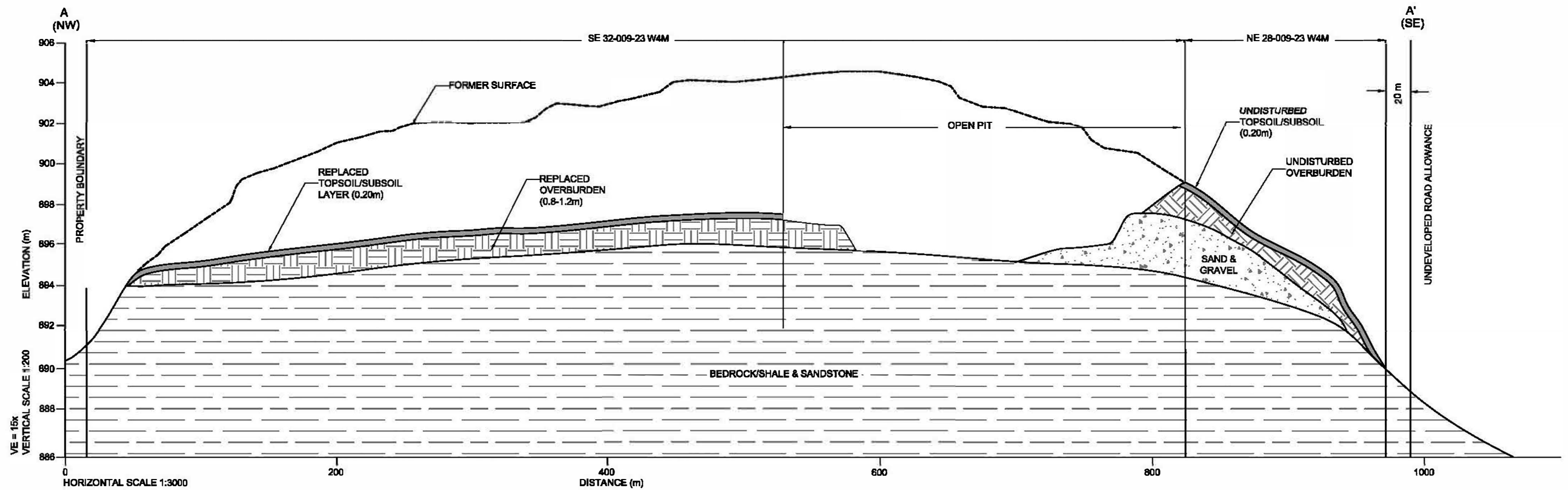


Hinman Pit

July 2017  
REF.: 4500-06-600  
(INFO)

Figure 9





**TOLLESTRUP**  
Construction Inc.



AGGERS TECHNICAL SERVICES LTD.

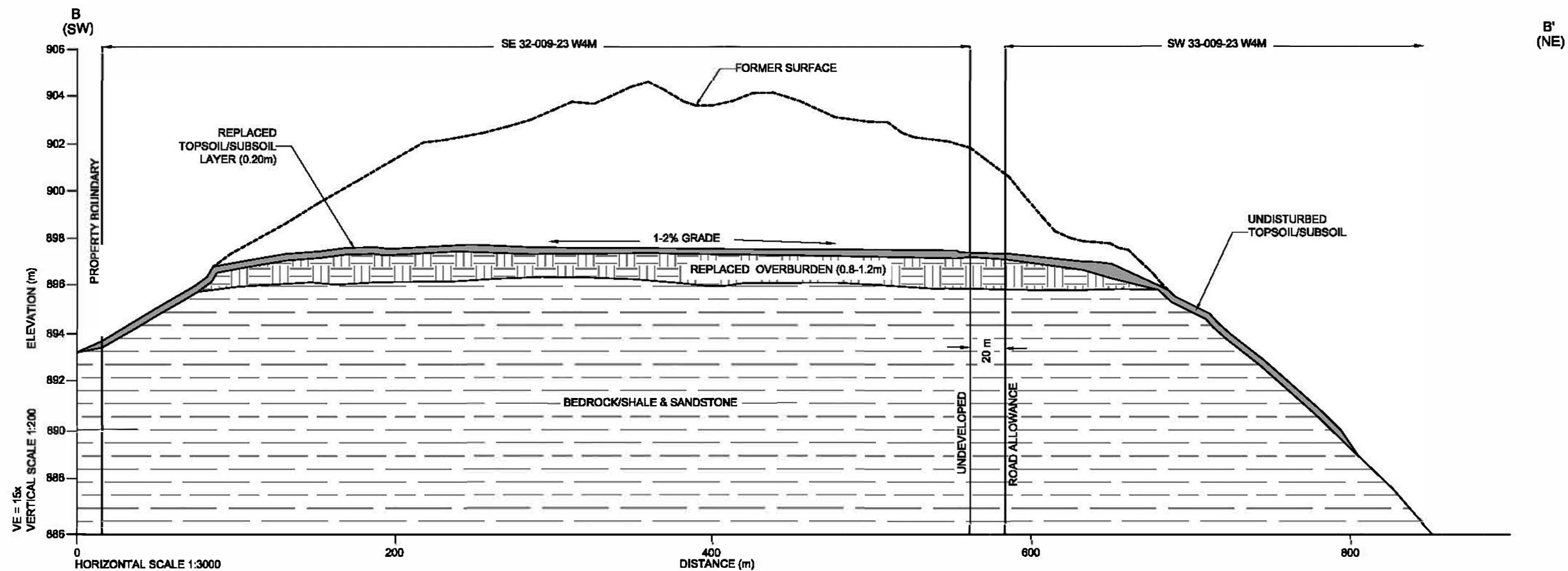
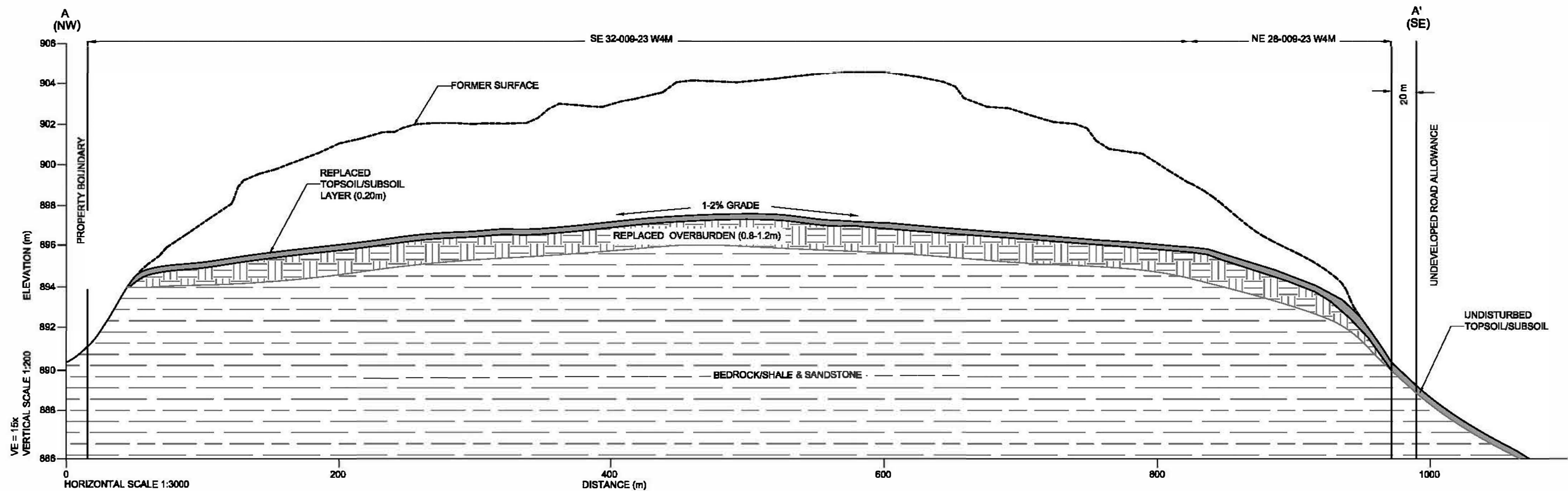


**PROPOSED PITS**  
**TOLLESTRUP CONSTRUCTION (2005) INC.**  
**HINMAN PIT**  
**NE 28, NW 29, SE 32 & SW 33-009-23 W4M**

**EXISTING SITE CONDITIONS**  
**CROSS-SECTIONS A-A' & B-B'**

DESIGNED BY:	SAV	DRAWN BY:	MDW
CHECKED BY:	SAV	APPROVED BY:	SAV
CLIENT NO.:	4900-06-000	DATE OF ISSUE:	2017-07-10
REV. NO.	0	BHEET	1

FIGURE 10



**TOLLESTRUP**  
Construction Inc.

**Ghostpine**  
Environmental Services Ltd.

AGGERS TECHNICAL SERVICES LTD.

AGGERS

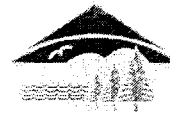
**PROPOSED PITS**  
TOLLESTRUP CONSTRUCTION (2005) INC.  
HINMAN PIT  
NE 28, NW 28, SE 32 & SW 33-009-23 W4M

**RECLAIMED SITE CONDITIONS**  
**CROSS-SECTIONS A-A' & B-B'**

DESIGNED BY:	BLV	DRAWN BY:	MON
CHECKED BY:	BLV	APPROVED BY:	BLV
CLIENT NO.	4590-08-000	DATE OF ISSUE	2017-07-10
REV. NO.	0	SHEET	1

FIG 11

## **APPENDIX G – PREVIOUS APPROVALS**



Regulatory Approvals Centre

January 3, 1997

Andrew Albiston

Dear Mr. Albiston:

RE: Hinman Pit - SE 32 & SW 33-9-23-W4M  
Application No. 001-15212

application for a renewal of an existing approval under the Environmental Protection and Reclamation Act has been reviewed and enclosed is Approval No. 15212-01-00.

Your security has been assessed at \$23,700.00 and we acknowledge receipt of this amount.

The Act requires you to provide public notice of the Approval within 15 days of issuance. Please publish notice of the Approval in the **Coaldale Sunny South News**. Enclosed is an example of an acceptable advertisement format. You must provide the **original full page** from this newspaper containing the notice to the Regulatory Approvals Centre at the address on this letterhead to confirm that public notice has been completed by February 3, 1997. If you feel there is a more appropriate newspaper, please call us.

It is your responsibility to obtain any approvals, permits or licences that are required from other agencies.

At least ten days prior to starting any type of surface disturbance, pit activity or operations as described in the Approval, please contact Mr. Terry Johnson, Inspector, Alberta Environmental Protection, Provincial Building, 200 - 5th Avenue S., Lethbridge, Alberta, T1J 4C7, telephone number 381-5490, Fax number 381-5337. An application for amendment must be submitted before operations result in significant changes to the approved conservation and reclamation plans. Mr. Terry Johnson should be contacted at 422-2636 to discuss any proposed applications for amendment.

Yours truly,

Shauna Kryba  
Application Coordinator

Enclosure

cc: Terry Johnson, Land Reclamation Division  
Cindy Zabolotny, Municipal District of Willow Creek No. 2

# **PUBLIC NOTICE**

**TOLLESTRUP CONSTRUCTION INC.**

**ENVIRONMENTAL PROTECTION AND ENHANCEMENT ACT**

**NOTICE OF DECISION**

Tollestrup Construction Inc. was issued Approval No. 15212-01-00 for the continued operation and reclamation of a sand and gravel pit on SE 32 & SW of Section 33 all within Township 9 Range 23 W4M. The Approval was issued under the Environmental Protection and Enhancement Act on December 20, 1996.

Issues relating to land use compatibility, hours of operation, haul routes and vehicle traffic are not within the jurisdiction of Alberta Environmental Protection.

Section 84 of the Act may provide a right of appeal against this decision to the Alberta Environmental Appeal Board (William A. Tilleman, Chair). There may be a strict time limit for filing such an appeal. For further information, please contact

The Environmental Appeal Board  
Attention: Board Secretary

A notice of objection must be submitted within 30 days of the date of this Notice. Please quote Application No. 001-15212.

**Please ensure the above suggested information relating to the description of your application is correct. Errors may result in the requirement to readvertise the Public Notice.**



## APPROVAL

### ENVIRONMENTAL PROTECTION AND ENHANCEMENT ACT

APPLICATION NO.	001-15212
APPROVAL NO.	15212-01-00 (Previous Approval Under SG-100-91)
EFFECTIVE DATE	December 20, 1996
EXPIRY DATE	December 20, 2006
APPROVAL HOLDER	Tollestrup Construction Inc.

Pursuant to Division 2, of Part 2, of the Environmental Protection and Enhancement Act, S.A. 1992, c.E-13.3, as amended from time to time, approval is granted subject to the attached terms and conditions for the following activity:

the opening up, operation and reclamation of a pit on SE 32 and SW 33-9-23-W4M.

December 20<sup>th</sup>, 1996  
Date



Municipal District of Willow Creek No. 26  
OFFICE OF THE MUNICIPAL ADMINISTRATOR  
P. O. Box 550  
CLARESHOLM, ALBERTA  
T0L 0T0

November 8, 1996

Tollestrup Construction Inc.

ATTENTION: ANDREW ALBISTON, C.E.T., PROJECT MANAGER

Dear Mr. Albiston:

**RE: DEVELOPMENT APPLICATION NO. 109-96**  
**SE 32-9-23-4**

In reference to the above, enclosed are the Notice of Approval, Development Permit and related material. Please note, if there is an appeal submitted within the 14 day period allowed, the Development Permit remains in abeyance until a decision on the appeal is made.

Also enclosed is an application for a Municipal Business License which is required under Municipal By-Law No. 1191. Please complete and return to this office with the prescribed resident fee of \$12.50 for the remainder of 1996. The annual fee is \$25.00. Therefore, if you wish to have a valid license for 1997 as well, the total amount would be \$37.50.

If you have any questions, please call me at 625-3351.

Yours truly,

Development Officer  
Bylaw Enforcement Officer

/su

Enclosures

c Sandy Hinman - Landowner

**MUNICIPAL DISTRICT OF WILLOW CREEK NO. 26**

**DEVELOPMENT PERMIT**

**Form D**

**Application No.** 109-96

**NAME:** Tollestrup Construction Inc.

**ADDRESS:** \_\_\_\_\_

**In respect of development consisting of:** Continue existing gravel mining operation to a maximum size of 35 acres.

**On land located at:** SE 32-9-23-4, and as described on Development Permit Application No. 109-96  
**and plans submitted by the applicant.**

**This permit refers only to development outlined in Development Permit Application No. 109-96**  
**dated** October 22, 1996, **and is subject to the conditions contained in the Notice of Decision:**

1. Approval shall be obtained from Alberta Environmental Protection;
2. Reclamation shall be completed to the satisfaction of Alberta Environmental Protection;
3. Recommendations of the Chinook Regional Health Authority shall be adhered to (copy enclosed);
4. Dust control and general maintenance of the municipal road allowance used for access shall be provided by the applicant.

**DATED:** November 8, 1996

**SIGNED** \_\_\_\_\_

**M.D. of Willow Creek No. 26**

**Important: See Over**

Municipal District of Willow Creek No. 26  
NOTICE OF APPROVAL

COPY

Form C

Application No. 109-96

NAME: Tollestrup Construction Inc.

ADDRESS: \_\_\_\_\_

In the matter of development of property located at SE 32-9-23-4

The development as specified in Application No. 109-96, for the following use Continue existing gravel mining operation to a maximum size of 35 acres. has been:

X APPROVED, subject to the following conditions:

1. Approval shall be obtained from Alberta Environmental Protection;
2. Reclamation shall be completed to the satisfaction of Alberta Environmental Protection;
3. Recommendations of the Chinook Regional Health Authority shall be adhered to (copy enclosed);
4. Dust control and general maintenance of the municipal road allowance used for access shall be provided by the applicant.

DATE OF DECISION November 6, 1996

DEVELOPMENT PERMIT issued on the 8th day of November, 1996.

A development permit issued in accordance with this notice is not valid until 14 days after the date that this decision has been mailed to adjacent assessed landowners, or posted on the site, or published in a newspaper, unless an appeal is lodged pursuant to the Act. If an appeal is lodged, then a permit will not be issued until the Development Appeal Board has determined that appeal and this notice of decision may be modified, confirmed or nullified hereby.

DATE: November 8, 1996

SIGNED: \_\_\_\_\_

**IMPORTANT:** Notice of approval in no way removed the need to obtain any permit or approval required by any federal, provincial or municipal legislation and/or regulations pertaining to the development approved.

\*Intention to appeal must be received with 14 days of notification of decision.

NOTE: The Land Use Bylaw provides that any person claiming to be affected by a decision of the Municipal Planning Commission may appeal to the Development Appeal Board by serving written notice of appeal to the Secretary of the Development Appeal Board within fourteen (14) days after notice of the decision is given. The required fee of \$500.00 must accompany the appeal.

**IMPORTANT:** See Reverse



RECEIVED  
NOV 7 1996

Chinook Health Region - Box 727 Fort Macleod, Alberta T0L 0Z0 Tel: (403) 553-4451 Fax: (403) 553-2333

**CORPORATE OFFICE**  
960 - 19 St. South  
Lethbridge, AB  
T1J 1W5  
Phone: (403) 382-6009  
Fax: (403) 382-6011

**CARDSTON**  
Cardston Hospital  
Community Health Office  
Grandview Nursing Home

**COALDALE**  
Community Health Offices

**CROWSNEST PASS**  
Crowsnest Pass Hospital  
Community Health Office

**FORT MACLEOD**  
Fort Macleod Hospital  
Community Health Office  
Special Development Unit

**LETHBRIDGE**  
Lethbridge Regional Hospital  
Community Health Offices  
Children's Centre

**MAGRATH**  
Magrath Hospital  
Community Health Office

**MILK RIVER**  
Milk River Hospital

**PICTURE BUTTE**  
Picture Butte Hospital  
Community Health Office

**PINCHER CREEK**  
Pincher Creek Hospital  
Community Health Office

**RAYMOND**  
Raymond Hospital  
Community Health Office

**TABER**  
Taber Hospital  
Community Health Office

**VAUXHALL**  
Community Health Office

**WARNER**  
Community Health Office

November 4, 1996

COPY

Sharon J. Shearer  
Development Officer  
Municipal District of Willow Creek No. 26  
Office of the Municipal Administrator  
P.O. Box 550  
Claresholm, Alberta  
T0L 0T0

Dear Mrs. Shearer:

Re: Development Application No. 109-96 SE 32-9-23-4

This letter is to confirm a review of the above mentioned development application.

A couple of concerns arise with this proposal. In the past, gravel pits have on occasion become dumping grounds for various types of wastes. Before any waste can be disposed of here, it is recommended that proper approvals are to be acquired. Secondly, all efforts are to be made to ensure that the integrity of the ground water is protected.

For your information.

Sincerely,

*Carl Lemke* / Carl Lemke, C.P.H.I.(C)  
Health Protection

## Historical Resources Act Approval with Conditions

Proponent: Tollestrup Construction Inc.

Contact: Mr. Doug Atwood

Agent: A. Hamza Archaeology Limited

Contact: Alyssa Hamza

**Project Name:** Hinman Gravel Pit

Project Components: Sand / Gravel Extraction

Application Purpose: Requesting HRA Approval / Requirements

*Historical Resources Act* approval is granted for the activities described in this application and its attached plan(s)/sketch(es) subject to the following conditions.

\_\_\_\_\_  
David Link  
Assistant Deputy Minister

### SCHEDULE OF CONDITIONS

#### ARCHAEOLOGICAL RESOURCES

There are no *Historical Resources Act* requirements associated with archaeological resources; however, the proponent must comply with standard conditions under the *Historical Resources Act*, which are applicable to all land surface disturbance activities in the Province.

1. This *Historical Resources Act* approval is based on the results of Historic Resources Impact Assessment studies carried out by A. Hamza Archaeology Limited under Archaeological Research Permit No.17-117.
2. Site-specific conditions and approvals are itemized below.

SITE	HRV	SITE DESCRIPTION	CONDITIONS/APPROVAL
DkPg-30	0	stone feature	There are no further <i>Historical Resources Act</i> requirements for this site relative to current or future projects. Development may proceed in the area of this site.

**SCHEDULE OF CONDITIONS (continued)****PALAEONTOLOGICAL RESOURCES**

*Historical Resources Act* approval is granted relative to palaeontological resources on the understanding that a targeted Historic Resources Impact Assessment will be conducted, as outlined below.

1. The Historic Resources Impact Assessment is to be carried out after the initiation of gravel pit operations. Given that Quaternary palaeontological resources from gravel deposits rarely are observed prior to construction or gravel extraction, a one-time, short-term, post-construction impact assessment is required that will permit the consultant to evaluate the presence or absence of Quaternary fossils in uncrushed gravels and unexcavated gravel faces.
2. The Historic Resources Impact Assessment for palaeontological resources is to be conducted on behalf of the proponent by an palaeontologist qualified to hold a palaeontological research permit within the Province of Alberta. A permit must be issued by Alberta Culture and Tourism prior to the initiation of any palaeontological field investigations. Please allow ten working days for the permit application to be processed. To obtain contact information for consultants qualified to undertake this work, please consult the list of [Alberta Historic Resource Consultants](#).

**ABORIGINAL TRADITIONAL USE SITES**

There are no Historical Resources Act requirements associated with Aboriginal traditional use sites of a historic resource nature; however, the proponent must comply with standard conditions under the Historical Resources Act, which are applicable to all land surface disturbance activities in the Province.

**HISTORIC STRUCTURES**

There are no Historical Resources Act requirements associated with historic structures; however, the proponent must comply with standard conditions under the Historical Resources Act, which are applicable to all land surface disturbance activities in the Province.

**PROVINCIALY DESIGNATED HISTORIC RESOURCES**

There are no Historical Resources Act requirements associated with Provincially Designated Historic Resources; however, the proponent must comply with standard conditions under the Historical Resources Act, which are applicable to all land surface disturbance activities in the Province.

**SPECIAL CONDITIONS**

1. In addition to any specific conditions detailed above, the proponent must abide by all [Standard Conditions under the Historical Resources Act](#).

---

Lands Affected: All New Lands

Proposed Development Area:

MER	RGE	TWP	SEC	LSD List
4	23	9	29	16
4	23	9	28	13

**SCHEDULE OF CONDITIONS (continued)**

4	23	9	32	1,2,7,8
4	23	9	33	4,5

## Documents Attached:

Document Name	Document Type
Proponent Plans	Illustrative Material