



March 12, 2015

**Krystal Penner**  
Pesticide and Agricultural Program Specialist  
Environmental Approvals Branch  
Manitoba Conservation and Water Stewardship  
123 Main St., Suite 160  
Winnipeg, MB R3C 1A5  
T: (204) 945-7107  
F: (204) 945-5229  
E: [krystal.penner@gov.mb.ca](mailto:krystal.penner@gov.mb.ca)

Dear Krystal Penner,

**RE: NOTICE OF ALTERATION: CARGILL LIMITED ENVIRONMENT ACT  
LICENCE NO. 1805 RR FILE NO: 3726.00 REVISED NOVEMBER 22, 2007 –  
CARGILL AGHORIZONS – ELM CREEK LICENSE AMMENDMENT  
REQUEST**

Cargill Limited is requesting a minor alteration to the Elm Creek Environmental Act Licence Number 1805 RR to include provisions for a new dry fertilizer distribution facility on the current property.

The existing dry fertilizer facility currently stores approximately 1,200MT of dry fertilizer. This 1,200 MT dry fertilizer facility is to be demolished and replaced with a new dry fertilizer distribution facility with the capacity to store approximately 5,000 MT of dry fertilizer. The existing facility receives and ships approximately 8,000 MT of dry

fertilizer annually. The new facility is anticipated to receive and ship between 14,000 to 18,000 MT of dry fertilizer annually.

The new facility will be approximately 160ft long by 110ft wide by 51ft high with the following details:

- Fertilizer receiving by rail and truck by use of enclosed conveyors. Any spilled dry fertilizer as a result of receiving to be contained by concrete cleanup pads and cleaned up in a timely manner. Sump pump to be located in underground tunnel to pump water into double walled holding tank for safe disposal
- Fertilizer stored in roof covered concrete building complete with concrete floor and concrete side walls
- Fertilizer blending within the roof covered concrete building complete with concrete floor and concrete side walls
- Fertilizer shipping by truck by use of enclosed conveyors, enclosed scale, and telescopic spouts. Any spilled dry fertilizer as a result of shipping fertilizer to be contained by a concrete cleanup pad and cleaned up in a timely manner

The development will be designed to ensure it is adequately graded to divert surface runoff water away from the facility.

The following is a list of primary products currently stored in the existing facility and also to be stored in the new dry fertilizer distribution facility. All products will be received via truck or rail and be shipped via truck for distribution to other locations or application onto farm customer's fields.

- Urea 46-0-0
- Monoammonium Phosphate (MAP) 11-52-0
- Micoessentials S15 (MES15) 13-33-0-15
- Microessentials SZ (MESZ) 12-40-0-10S-1Z
- Potash 0-0-60
- Ammonia Sulfur (AMS) 20.5-0-0-24
- Environmentally Smart Nitrogen (ESN) 44-0-0
- Various Micro Nutrients (Boron, Copper, Zinc, Agrotain)

Cargill adheres to strict Cargill Pollution Prevention Programs and Emergency Response Plans to help minimize the risk of spillage and contamination. These plans outline corporate standards as well as procedures and policies for all accidental releases, natural disasters, and workplace incidences. In addition, Cargill is registered under ISO 9001-2008 Operating Standards to further properly execute tasks and procedures.

The on-site operations will be monitored through the following practices:

- Site housekeeping and cleanliness inspections performed and documented daily, weekly, and monthly
- Corporate environment, health, and safety audits completed on a routine basis
- Semi-annual 3<sup>rd</sup> party insurance inspections
- Third party auditing requirements as per ISO 9001-2000 operating standards

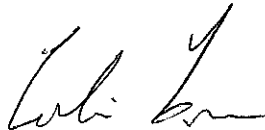
Any waste that requires disposal will be handled according to Provincial Regulations.

By implementing the above design and operational requirements, it is anticipated that the terrestrial, aquatic, and atmospheric environmental impacts will be comparable to the existing dry fertilizer facility and within the requirements of the existing Environment Act Licence.

Construction is anticipated to start in the Summer of 2015 with the site being fully operational by Spring 2016. Please see attached flow diagram, site plans, and general arrangement drawings to further familiarize with the site.

Thank you for reviewing the current Environment Act Licence and altering it accordingly to include provisions for the new dry fertilizer distribution facility.

Thank you,

A handwritten signature in black ink, appearing to read "Colin Fraser". The signature is fluid and cursive, with a large initial "C" and "F".

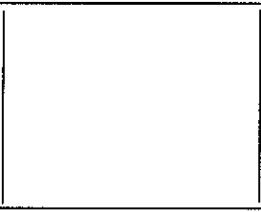
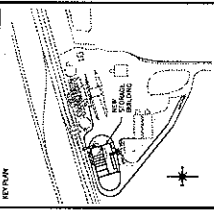
Colin Fraser P. Eng  
Project Engineer  
Cargill Limited  
300-240 Graham Avenue  
Winnipeg, Manitoba R3C 4C5  
Colin\_Fraser@Cargill.com  
PH: 204-947-6412  
FAX: 204-947-6191

Encl.

SP1.0 Elm Creek Site Plan  
GA1.0 Elm Creek General Arrangement New Fertilizer Storage Facility  
GA1.1 Elm Creek General Arrangement New Fertilizer Storage Facility  
GA1.2 Elm Creek General Arrangement New Fertilizer Storage Facility  
FL1.0 Elm Creek Proposed Flow Diagram

NO.	REVISION	DATE
1	ISSUED FOR PERMIT	APR 1, 2015
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**NOTES:**  
 1. THIS PLAN, SPECIFICATIONS, AND CONDITIONS ARE TO BE USED IN CONNECTION WITH THE CONTRACT DOCUMENTS TO WHICH THEY REFER. CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED HEREON PRIOR TO THE COMMENCEMENT OF WORK.  
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED HEREON PRIOR TO THE COMMENCEMENT OF WORK.  
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF ALL INFORMATION PROVIDED HEREON PRIOR TO THE COMMENCEMENT OF WORK.



**CONCENTRIC**  
 ARCHITECTURAL ENGINEERS LTD.

OTTAWA  
 TEL: 333-262-7282 FAX: 452-227-4290  
 100 FINE LINDEN BLVD #201 NEPTUNE, BC V3R 4S6  
 TEL: 250-797-3200 FAX: 250-797-3200  
 100 FINE LINDEN BLVD #201 NEPTUNE, BC V3R 4S6  
 TEL: 250-797-3200 FAX: 250-797-3200  
 100 FINE LINDEN BLVD #201 NEPTUNE, BC V3R 4S6  
 TEL: 250-797-3200 FAX: 250-797-3200

**Client Name:** *AgriFormz*

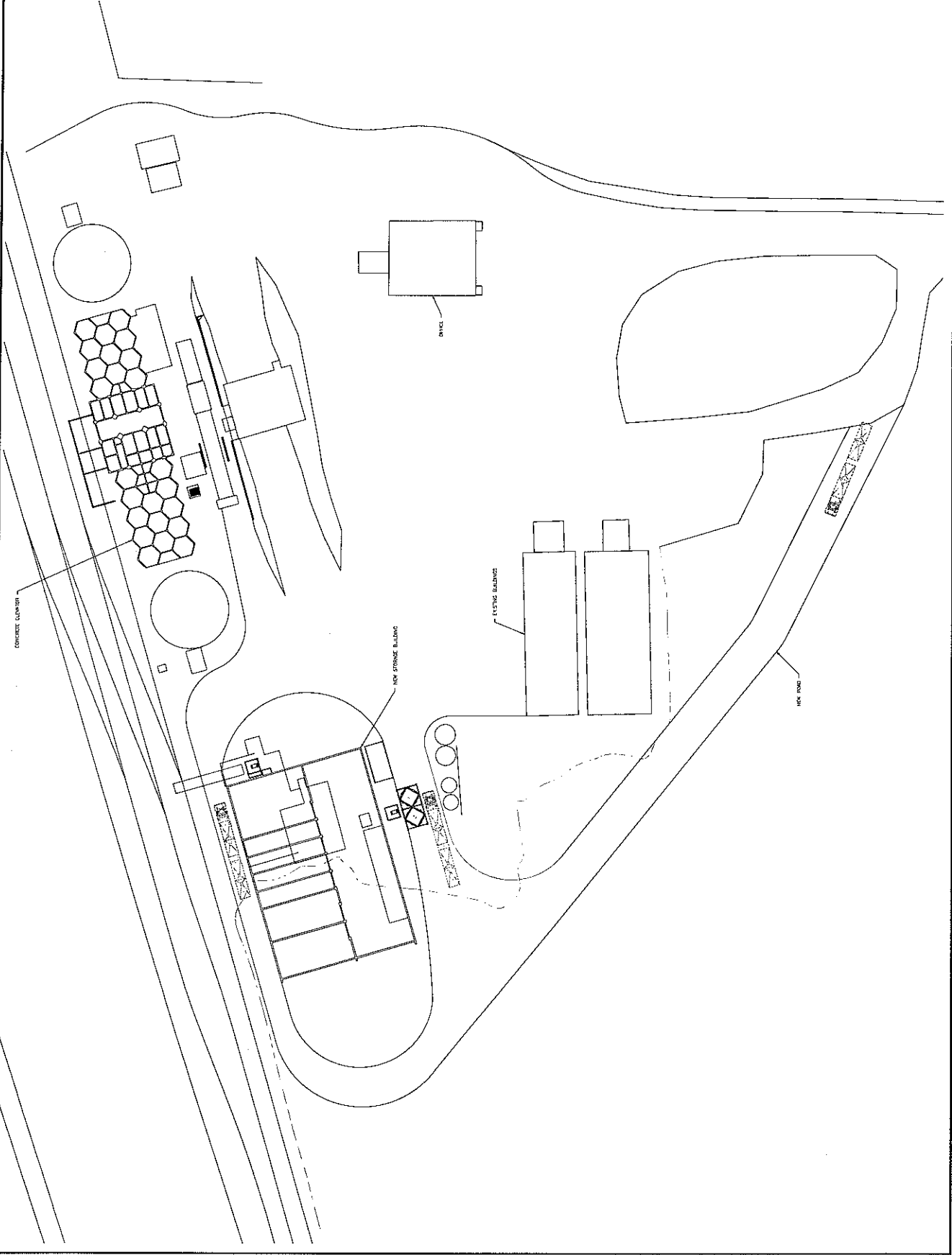
**Project Address:** ELM CREEK, MANITOBA

**Project Name:** CONCEPTUAL SOLUTION DISTRIBUTION FACILITY

**Drawing Title:** SITE PLAN

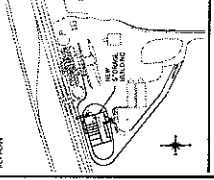
**Scale:** 1/8" = 1'-0"

**Sheet No.:** SP1.0



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1	DESIGN FOR PERMITS	MAY 1, 2015
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**NOTE:**  
 CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR PERMITTING ALL EXCAVATIONS AND ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.  
 DIMENSIONS SHOWN ON THIS CONCEPT PLAN ARE NOT TO BE CALLED.  
 TOP PLAN



**CONCENTRIC**  
 CONSULTING ENGINEERS

LONDON ONTARIO  
 100 DUNDAS STREET WEST  
 TORONTO ONTARIO M5G 1K5  
 TEL: (416) 593-8800

OTTAWA  
 1000 RIVERVIEW DRIVE  
 OTTAWA ONTARIO K1H 8L9  
 TEL: (613) 745-1800

REGINA  
 1000 UNIVERSITY AVENUE  
 REGINA SASKATCHEWAN S4S 0A6  
 TEL: (306) 386-2200

WINNIPEG  
 1000 UNIVERSITY AVENUE  
 WINNIPEG MANITOBA R3S 0A6  
 TEL: (204) 786-1800

MISSISSAUGA  
 1000 UNIVERSITY AVENUE  
 MISSISSAUGA ONTARIO L4W 5G1  
 TEL: (905) 276-1800

CLIENT NAME  
**Capital Agriculture**

PROJECT ADDRESS  
 511 CREEK MANITOBA

PROJECT NAME  
 CONCEPTUAL SOLUTION  
 DISTRIBUTION FACILITY

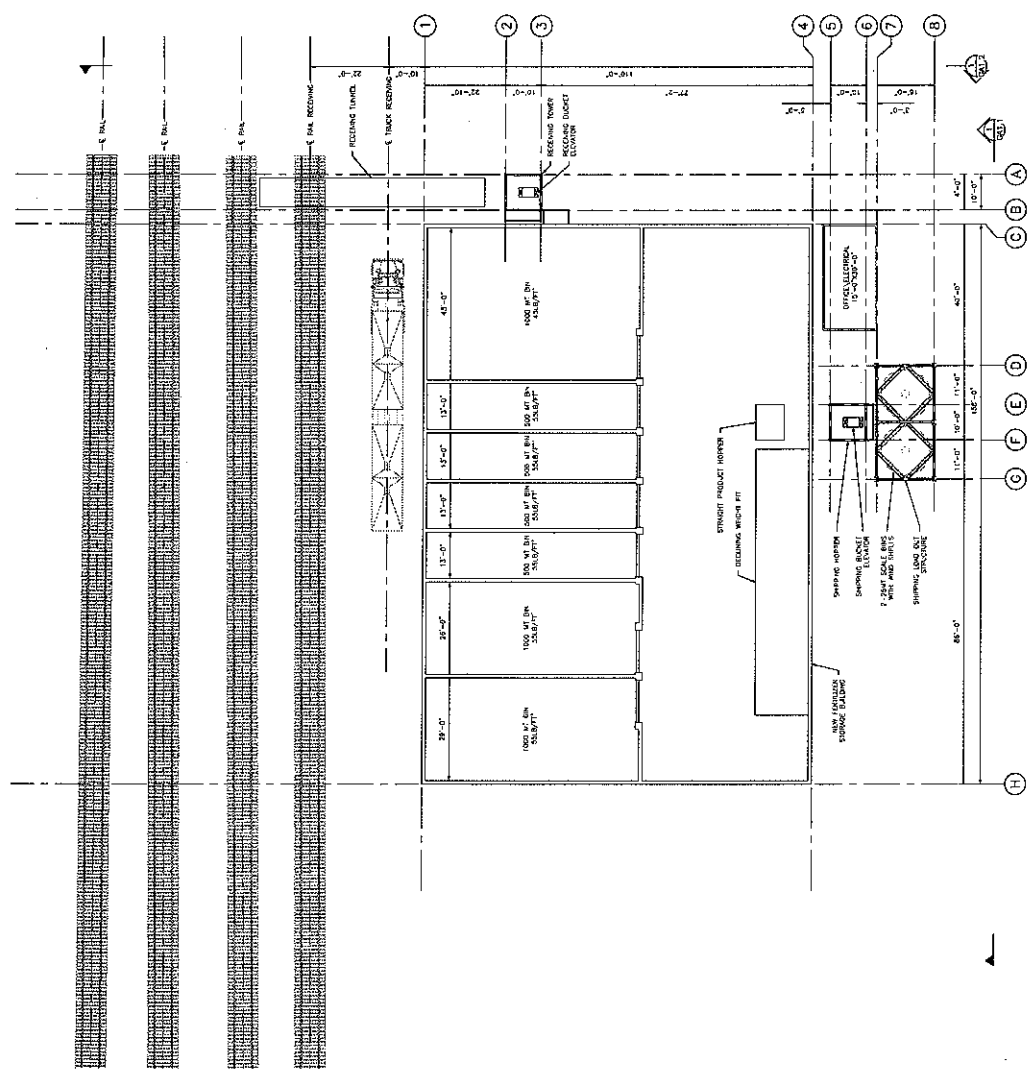
DRAWING TITLE  
 GENERAL ARRANGEMENT  
 NEW FERTILIZER STORAGE BUILDING

DESIGNER LC  
 SCALE AS SHOWN

DRAWN LC  
 DATE FEBRUARY 2015

APPROVED RP  
 FILE NO. 15087

SHEET NO  
**GA1.0**



**PLAN - FERTILIZER STORAGE**

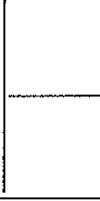
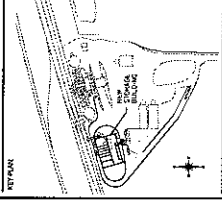


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1	ISSUE FOR PERMIT	10/11/2011
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**NOTES**

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR REPORTING ALL DISCREPANCIES TO OWNER IMMEDIATELY UPON DISCOVERY TO AVOID ANY DELAYS OR COSTLY CHANGES TO THE PROJECT. DIMENSIONS SHOWN ON THIS DRAWING TAKE PRECEDENCE OVER ANY OTHER DIMENSIONS OR INFORMATION.

NOTES ARE NOT TO BE CONSIDERED AS PART OF THE CONTRACT.



**CONCENTRIC**  
CONCRETE REINFORCEMENT

OTTAWA  
TEL: 437-562-2800  
1870 BROADVIEW AVE. #100  
OTTAWA, ONT. K1K 2K5  
TEL: 437-562-2800  
TEL: 437-562-2800  
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TEL: 437-562-2800

**AgHorizons**

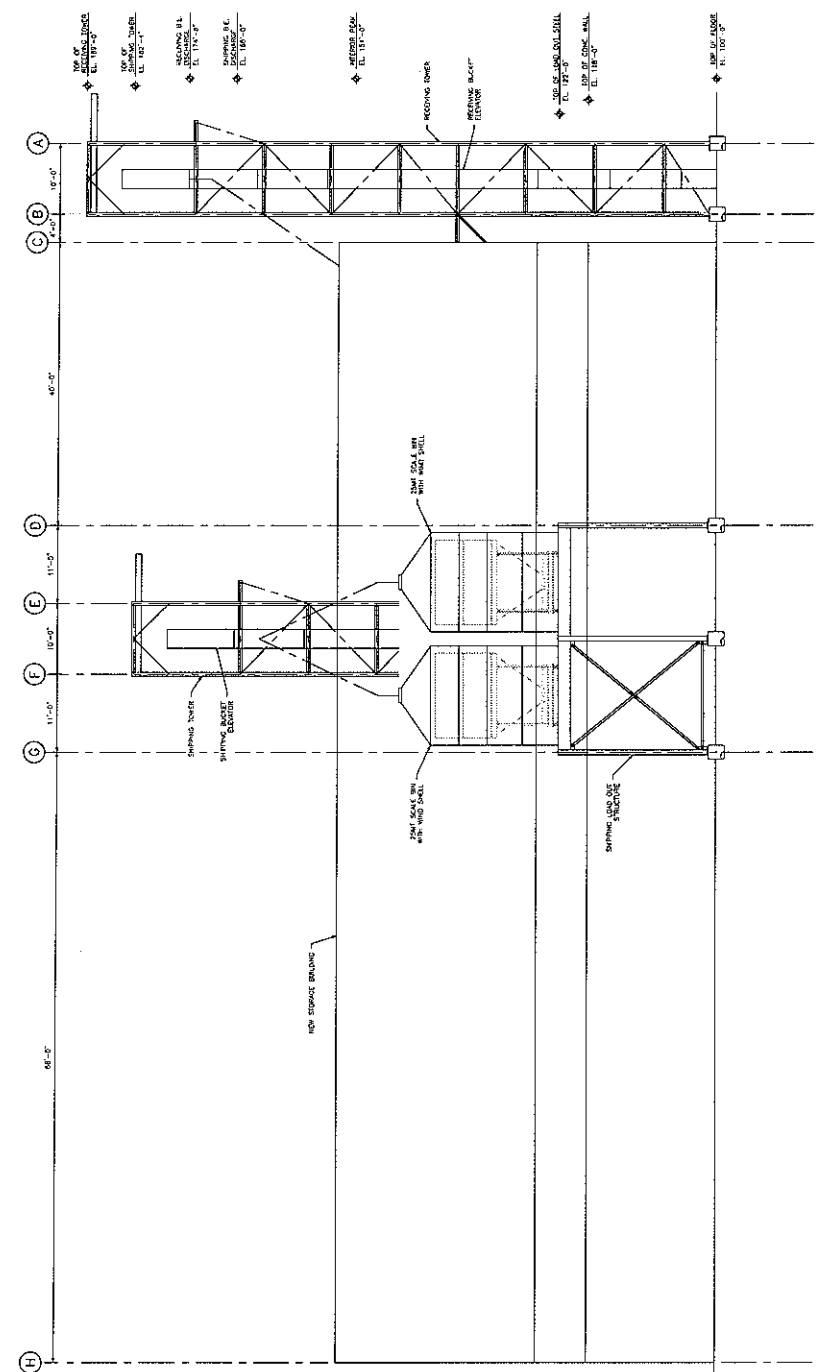
PROJECT ADDRESS  
ELM CREEK, MANITOBA

PROJECT NAME  
CONCEPTUAL SOLUTION  
DISTRIBUTION FACILITY

OWNER NAME  
GENERAL ARRANGEMENT  
NEW FERTILIZER STORAGE BUILDING

SCALE: 1/8" = 1'-0"  
DATE: FEBRUARY 2011  
APP'D: [Signature]  
CHECKED: [Signature]

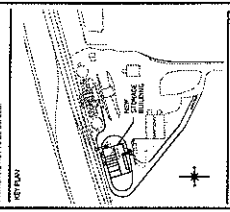
**GA1.1**



SECTION - FERTILIZER STORAGE  
GA1.1

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1	ISSUE FOR BIDDING	MAR. 1, 2015
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NOTES:  
 CONTRACTOR SHALL VERIFY AND VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR IDENTIFYING ALL DIMENSIONS TO BE SHOWN ON ALL DRAWINGS. ALL DIMENSIONS TO BE SHOWN ON ALL DRAWINGS. ALL DIMENSIONS TO BE SHOWN ON ALL DRAWINGS. ALL DIMENSIONS TO BE SHOWN ON ALL DRAWINGS.



**CONCENTRIC**  
 Commercial, Industrial, Civil

**CONCENTRIC**  
 COMMERCIAL, INDUSTRIAL, CIVIL

OTTAWA, ONTARIO  
 100 KING STREET WEST  
 SUITE 1000  
 OTTAWA, ONTARIO K1P 1W7  
 TEL: 613-237-2200  
 FAX: 613-237-2201

MISSISSAUGA, ONTARIO  
 1000 SHEPPARD AVENUE EAST  
 SUITE 1000  
 MISSISSAUGA, ONTARIO L4X 1L3  
 TEL: 905-276-8888  
 FAX: 905-276-8889

PROJECT NAME: **ConAg Agfortizons™**

PROJECT NUMBER: **BLM CREEK, MANITOBA**

PREPARED BY: **CONCEPTUAL SOLUTION DISTRIBUTION FACILITY**

DRAWING TITLE: **GENERAL ARRANGEMENT FERTILIZER STORAGE BUILDING**

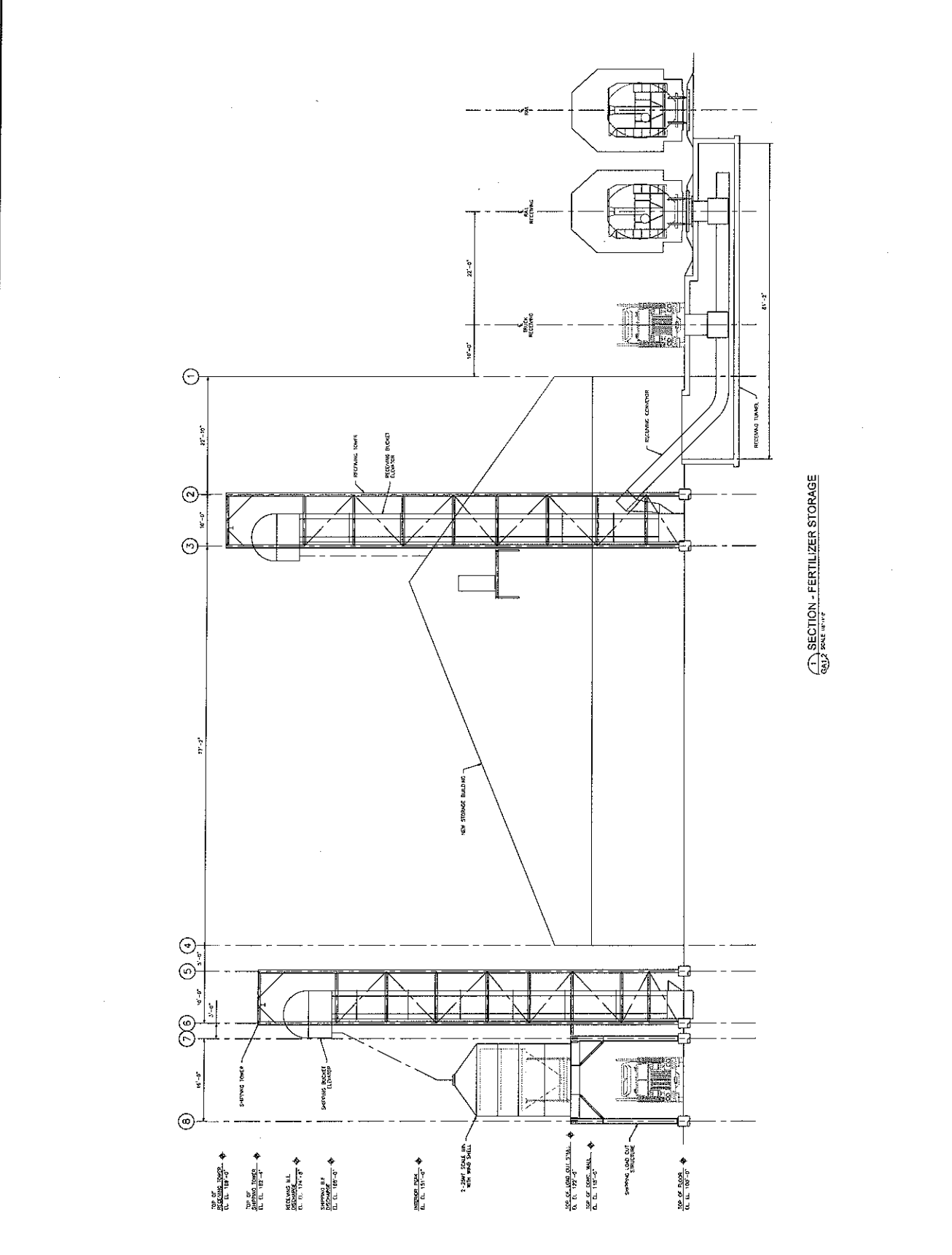
DESIGNER: **IC** DATE: **AS SHOWN**

DRAWN: **IC** DATE: **FEB 11, 2015**

APP'D: **SP** DATE: **15/03/15**

CHECK'D: **SP** DATE: **15/03/15**

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1	DESIGN/CONSTRUCTION	MAR 20 1981
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CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND MATERIALS TO BE USED IN CONSTRUCTION. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE TO BE USED FOR CONSTRUCTION. PRINTS ARE NOT TO BE REPRODUCED.

**CONCENTRIC**  
INDUSTRIAL DESIGN UNIT

LONDON ONTARIO  
1-596-5774  
1-416-464-6900

WAGNAR  
SASKATOON  
1-306-975-3900

WINNIPEG  
1-504-281-3300

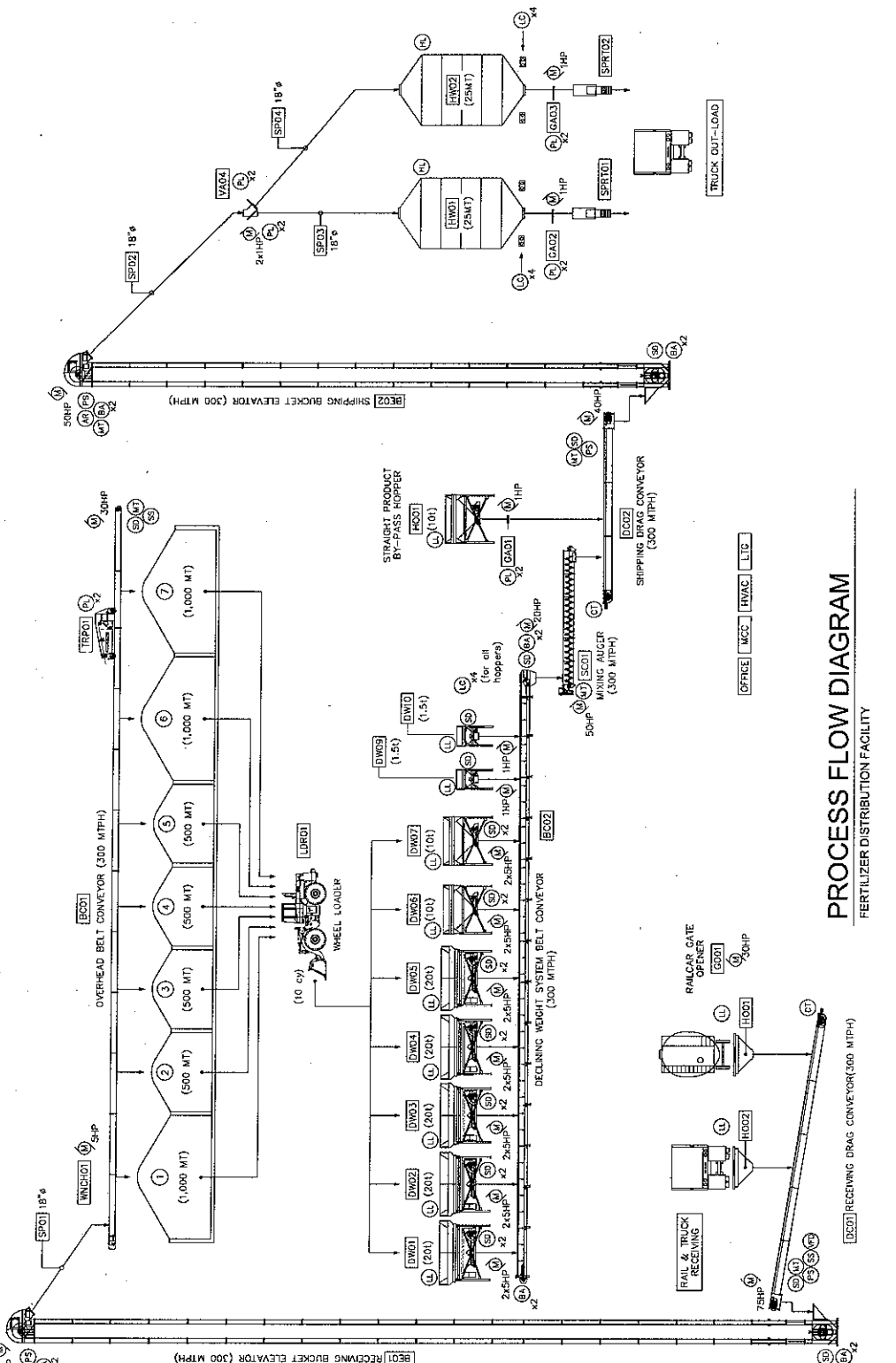
MISSISSAUGA  
1-905-276-1174

1-905-276-1180

CLIENT NAME: **AgriHorizons**

PROJECT ADDRESS: **EUO CREEK, WARTHOBA**

PROJECT NAME		EUO CREEK, WARTHOBA
FERTILIZER DISTRIBUTION FACILITY		
DRAWING TITLE		PROCESS FLOW DIAGRAM
DESIGN	PS	AGH/0000
DRAWN	PS	FE/212
APPROV	PP	FE/114
SCALE		AS SHOWN
SHEET NO.		10/11
SHEET TITLE		FL1.0



**NOTES**

- t = Short tons (US) = 2000 lbs
- MT = Metric tons = 2204.6 lbs
- MTPH = Metric tons per hour
- cy = Cubic yards
- Flow capacity is based on 55 lbs/cu.ft.
- Drive capacity is based on 90 lbs/cu.ft.
- Storage capacity is based on 55 lbs/cu.ft.
- Drawing to be read in conjunction with equipment list

**SYMBOLS & ABBREVIATIONS LEGEND**

— GATE	⊕ MOTOR & MOTORPOMPER
⊕ AMPERAGE READER	⊕ LOW LEVEL SENSOR
⊕ BELT ALIGNMENT	⊕ MOTOR TEMPERATURE
⊕ HOT BEARING	⊕ POSITION LIMIT SENSOR
⊕ CHAIN TENSION SWITCH	⊕ PLUG SWITCH
⊕ HIGH LEVEL SENSOR	⊕ SPEED DETECTOR
⊕ LOAD CELL	⊕ SOFT START
⊕ VARIABLE FREQUENCY DRIVE	

**PROCESS FLOW DIAGRAM**  
FERTILIZER DISTRIBUTION FACILITY

