

**SASKATCHEWAN LAND SURVEYORS ASSOCIATION
SASKATCHEWAN LAND SURVEYORS EXAMINATION**

April 15, 2015

3 HOURS

PRACTICAL SURVEYING – PAPER V

This paper contains 9 questions on 4 pages

Question 1

Winter Resources Ltd. has requested a survey be conducted and a plan prepared for a proposed oil well (directional drill) with surface in SW 7-49-24-3, & Target / Bottom Hole in SE 12-49-25-3

Using information provided in Appendix A (listed below – i to iii), answer the following questions.

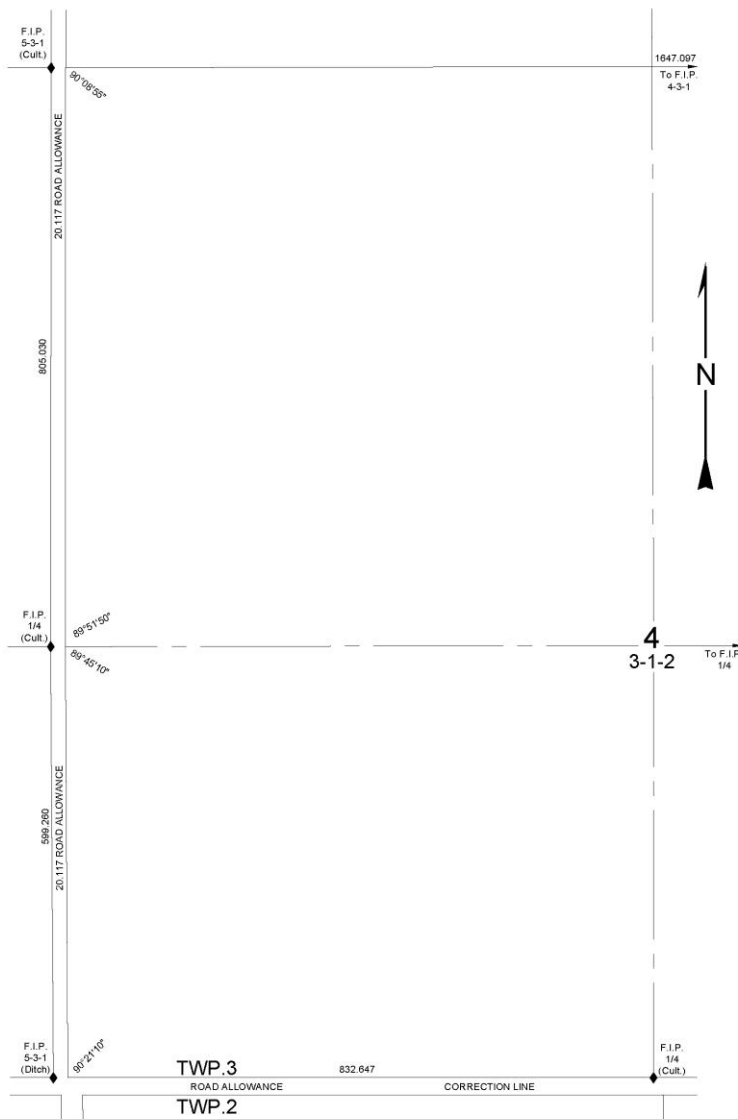
- (i) *Field Note Sketch (1 Page)*
- (ii) *Coordinate List derived from RTK measurements (Local Coordinates) – assume check measurements have been made*
- (iii) *Ministers Order MRO 381/12 PO6 (2 Pages)*

- (1) 1. What Provincial Government agency has the mandate to ensure full and responsible development of Saskatchewan's oil and gas resources?
- (1) 2. Are there regulatory / legislative requirements for placing monuments at oil & gas wellsite lease corners?
- (2) 3. What are the requirements for restoring or re-establishing survey monuments while conducting surveys for oil & gas wellsites and related facilities?
- (6) 4. Proposed local target coordinates (Forest Bank Sparky Pool) are 701.52m N of S and 65.70m W of E. The proposed drilling depth from surface to target is 785m (vertical drilling distance), target to bottom hole is an additional 79m (vertical drilling difference). Compute the direction and distance from the well center (surface) to the target, and from the target to the bottom hole.
- (4) 5. Compute the rectangular coordinates from well center (surface) to target and bottom hole.
- (4) 6. To establish elevations, field measurements held the elevation at ISS monument 1 (published elevation = 650.691m) fixed, and checked to ISS monument 2 (published elevation = 620.592). Compute the vertical closure required. Does this field survey meet the minimum requirement for vertical closure?
- (4) 7. Provide the full well name.
- (3) 8. What is a Ministers Order, according to The Oil and Gas Conservation Act?
- (2) 9. Draw and dimension the oil target for the drainage unit the target lands in, as defined in Ministers Order MRO 381/12 PO6. Include dimensions to section boundaries. What is the distance from the target to the oil target boundaries?
- (2) 10. If this well is drilled, the operator will be required to prepare an as-drilled survey plan. How long does the operator have to complete this task (under the Oil and Gas Conservation Regulations, 2012)?

Question 2

The sketch below shows evidence found and measurements taken to define the boundaries of Section 4, Township.3, Range. 1 W2M. The township plat is also included in Appendix B.

- (6) 1. Sketch the LSD boundaries (SW $\frac{1}{4}$ 4) and dimensions on the sketch
- (4) 2. Add the posts that are required to be placed in the event that the survey you are conducting (subdivision) requires the establishment of all of the LSD boundaries of SW 4-3-1-2.
- (1) 3. If one of the monuments required in question 2(2) cannot be placed due to the location of a power pole, what do you do?



Question 3

- (5) 1. What is ISC's policy regarding the extent of work an SLS can do on common boundaries defining provincial and federal lands?
- (4) 3. What is the Treaty Land Entitlement Framework Agreement? (Bonus Question)

Question 4

- (2) 1. What are the goals of ISC's CAD File and georeferencing specifications?
- (1) 2. What datum is to be used for the above mentioned georeferencing specifications?
- (4) 3. Outline field procedures/measurements that would satisfy ISC's georeferencing requirements.

Question 5

Your client, Angus Street Developments, is constructing an attached garage on an existing residence in Regina (Lot 11 Block 567, Plan No 101161303 Extension 3, as described on Certificate of Title 88R29038, description 3). The plans for the new garage have been prepared by an architect and the City of Regina Development Appeals Board has approved the proposed design. The garage deviates from standard set-back requirements to the back lane for an attached garage. You have been hired to establish the corners of the lot that the new garage will be situated on, layout the corners of the new garage, and set grades for construction of the garage.

Using information provided in Appendix C (listed below, i to v), answer the following questions.

- i. Field Notes (2 pages)*
- ii. Coordinate list derived from RTK GPS and total station measurements (local coordinates). Assume check measurements have been made*
- iii. Plans AP3598 and 101161303*
- iv. Title for Lot 11 Block 567, Plan No 101161303*
- v. Garage Plans (4 pages)*

- (6) 1. Establish the 4 lot corners (Lot 11 Block 567, Plan No 101161303). Show how you establish the corners on a separate sketch.
- (6) 2. Establish the corners of the proposed garage walls as shown on the plans (display as coordinates or layout from a nearby control spike). Comment on any discrepancies between what has been proposed by the architect and how the proposed garage fits with the measured position of the existing residence and the lot boundaries.
- (3) 3. Piles are required for this addition. You are required to set out grades for the top of the piles. How would you accomplish this, and what is the datum that needs to be held to establish the top of pile elevations?
- (6) 4. The City of Regina Planning and Development Division has requested a Real Property Report (RPR) be submitted to verify that the attached garage has been built according to the approved plans. What information is required to be shown on the RPR?

- (2) 5. What are the requirements for recording Real Property Reports as outlined in Article XIII, Section 2 of the Bylaws of the Saskatchewan Land Surveyors Association?

Question 6

You have been hired to subdivide 6-20-17-2. You are at a stage in the subdivision process where you must complete the field survey and post the subdivision. The field notes show the approved subdivision configuration.

Using information provided in Appendix D (listed below, i to iv), answer the following question.

- i. *Field Notes (1 page)*
- ii. *Coordinate list derived from RTK GPS and total station measurements (local coordinates). Assume check measurements have been made*
- iii. *Plan 82R34437*
- iv. *Township Plats (Twp 20, Rge 17 W2M)*

- (8) Establish and dimension (angles and distances) the section and subdivision boundaries on a separate sketch, including found monuments and placed posts.

Question 7

You have been hired to subdivide SW 29-22-29-3 (Northerly 150m of 1/4). You are at a stage in the subdivision process where you must complete the field survey and post the subdivision.

Using information provided in Appendix E (listed below, i to iii), answer the following questions.

- i. *Field Note Sketch (1 page)*
- ii. *Coordinate list derived from RTK GPS and total station measurements (local coordinates). Assume check measurements have been made*
- iii. *Township Plat (Twp 22, Rge.29 W3M)*

- (10) 1. Establish and dimension (angles and distances) the section and subdivision boundaries on a separate sketch, including found monuments and placed posts / marker posts.
- (2) 2. What notations would need to be on the final plan at N ¼ 29 and NE 29?

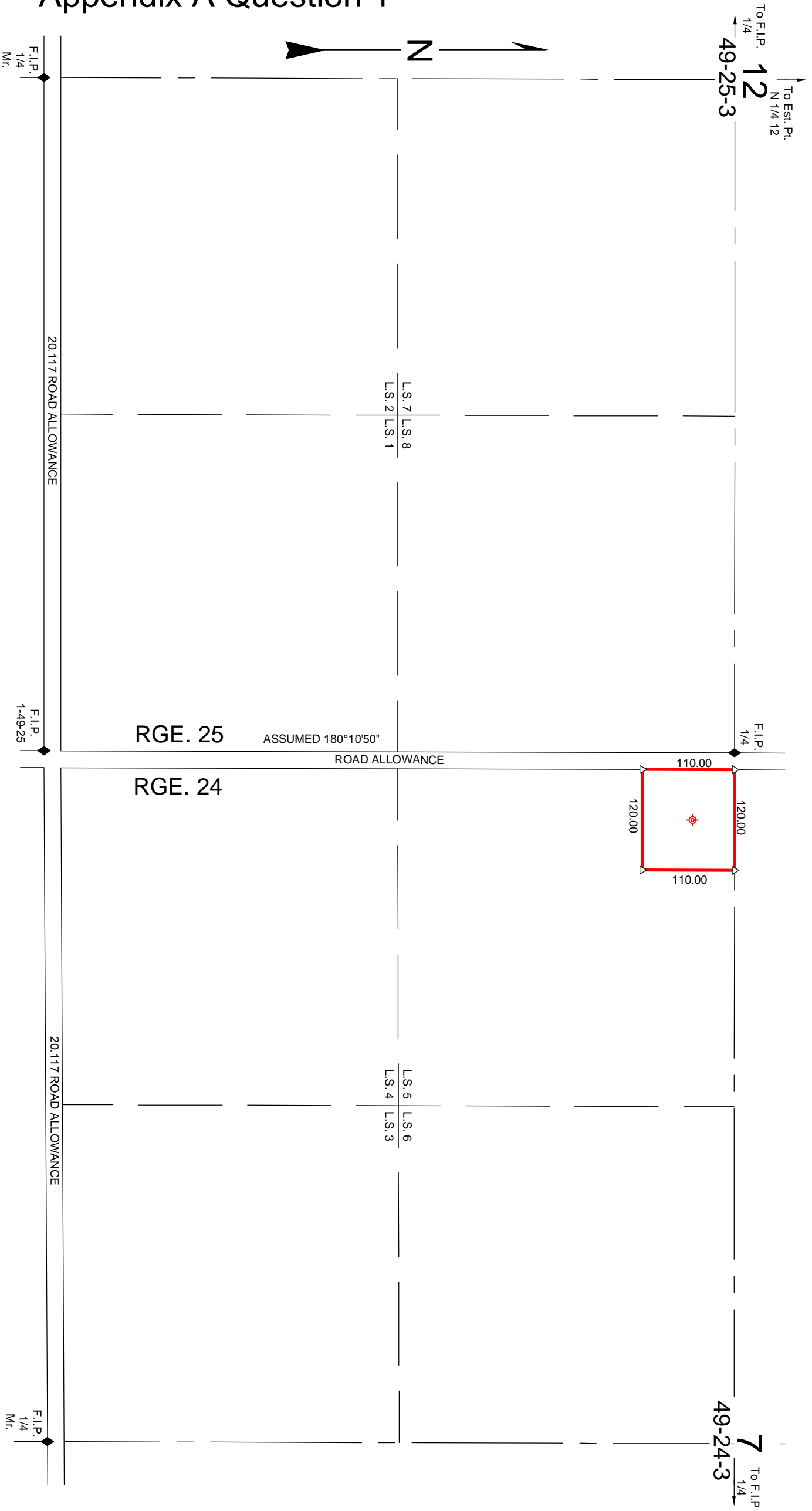
Question 8

- (2) The *Winter 2015 SLSA Corner Post* (Quarterly Newsletter of the Saskatchewan Land Surveyors Association) contains an article regarding changes to the PSC sponsored Professional Liability Insurance Program (PLIP). What has changed?

Question 9

- (3) Discuss accuracy requirements as outlined in *The Land Surveys Regulations* and ISC Policy GO-06/002

Appendix A Question 1



Appendix A Question 1

Question #1

Point #	Northing (m)	Easting (m)	Elevation (m)	
1	-2005.754	2915.224	650.69	ISS 1 - Control
2	7811.306	2915.224	621.01	ISS 2 - Control
1000	447.427	2917.811	640.99	FIP E_1/4_12
1001	-375.754	2915.224	645.23	FIP NE_1-49-25
1002	-375.833	2113.046	640.12	FIP N_1/4_1, Mr.
1003	-371.657	3738.617	635.21	FIP N_1/4_6, Mr.
1004	446.31	4545.927	640.99	FIP E_1/4_7
1005	1252.277	2117.962	641.56	FIP N_1/4_12
1006	448.495	1289.694	642.65	FIP E_1/4_11
5000	397.372	2997.771	640.22	W/C
5001	447.331	3057.928	643.01	NE Lease Corner - PI Spike
5002	337.331	3057.582	643.21	SE Lease Corner - PI Spike
5003	337.414	2937.582	639.41	SW Lease Corner - PI Spike
5004	447.413	2937.928	639.29	NW Lease Corner - PI Spike

Appendix A Question 1

MINISTER'S ORDER

MRO 381/12 PO 6

Under The Oil and Gas Conservation Act

Forest Bank Waseca Sand Pool
Forest Bank Sparky Sand Pool
Forest Bank Mannville Sands Pool

Pursuant to section 17 of *The Oil and Gas Conservation Act*, MRO 967/10 PO 18, dated November 10, 2010, is rescinded and the following provisions shall apply to the drilling of, and production of oil and gas from, oil wells in the Forest Bank Waseca Sand Pool, Forest Bank Sparky Sand Pool and Forest Bank Mannville Sands Pool effective June 1, 2012.

1. The drainage unit shall be one legal subdivision except for the area described in clauses 2(d) and 2(e) where the drainage unit shall be the north half or the south half of a legal subdivision.
2. The target area shall be a 100 m square located 50 m from the south and west sides of the drainage unit except for the following lands lying West of the Third Meridian:
 - (a) In Township 48, Range 24: Legal subdivisions 9 and 12 to 15 of Section 32;

the target area shall be a 100 m square located 50 m from the south and east sides of the drainage unit.
 - (b) In Township 49, Range 24: Sections 7 and 18;
In Township 49, Range 25: Legal subdivisions 3 to 6, 8, 9, 12 and 16 of Section 12; Section 13;

the target area shall be a 100 m square located 50 m from the north and east sides of the drainage unit.
 - (c) In Township 48, Range 24: The north half of Section 30;
Section 31;
In Township 48, Range 25: Legal subdivisions 9 and 10 of Section 25;
the north-east quarter of Section 35; legal subdivisions 4, 5, 6 and 12 of Section 36;
In Township 49, Range 25: The south-west quarter and legal subdivisions 2, 7 and 13 to 16 of Section 2;
the east half of Section 14; the south-west quarter of Section 24;

the target area shall be a 200 m square located in the south-east corner of the drainage unit.

Appendix A Question 1

-2-

- (d) In Township 48, Range 24: The west half of Section 28; Section 29; the west half of Section 33;
In Township 49, Range 24: The west half of Section 4; legal subdivisions 2 to 7 and 10 to 15 of Section 8; the south-west quarter of Section 16; Section 17;
In Township 49, Range 25: Legal subdivisions 1, 2, 7, 10, 11, 13, 14 and 15 of Section 12;

the target area shall be a 100 m square located:

- (i) 50 m from the north and east sides of the legal subdivision in the north drainage unit;
(ii) 50 m from the south and west sides of the legal subdivision in the south drainage unit.

- (e) In Township 48, Range 24: The south half and legal subdivisions 10, 11 and 16 of Section 32;
In Township 49, Range 24: Section 6;
In Township 48, Range 25: Legal subdivisions 4, 5, 15 and 16 and the north-west quarter of Section 25; the east half and legal subdivisions 3, 11, 13 and 14 of Section 36;
In Township 49, Range 25: Section 1; legal subdivisions 1 and 8 to 12 of Section 2;

the target area shall be a 100 m square located:

- (i) 50 m from the north and west sides of the legal subdivision in the north drainage unit;
(ii) 50 m from the south and east sides of the legal subdivision in the south drainage unit.

3. Any well previously interpreted by the minister as having been completed within a target area prior to the effective date of this order, shall be considered to be on target.

Dated at Regina, Saskatchewan, May 7, 2012.

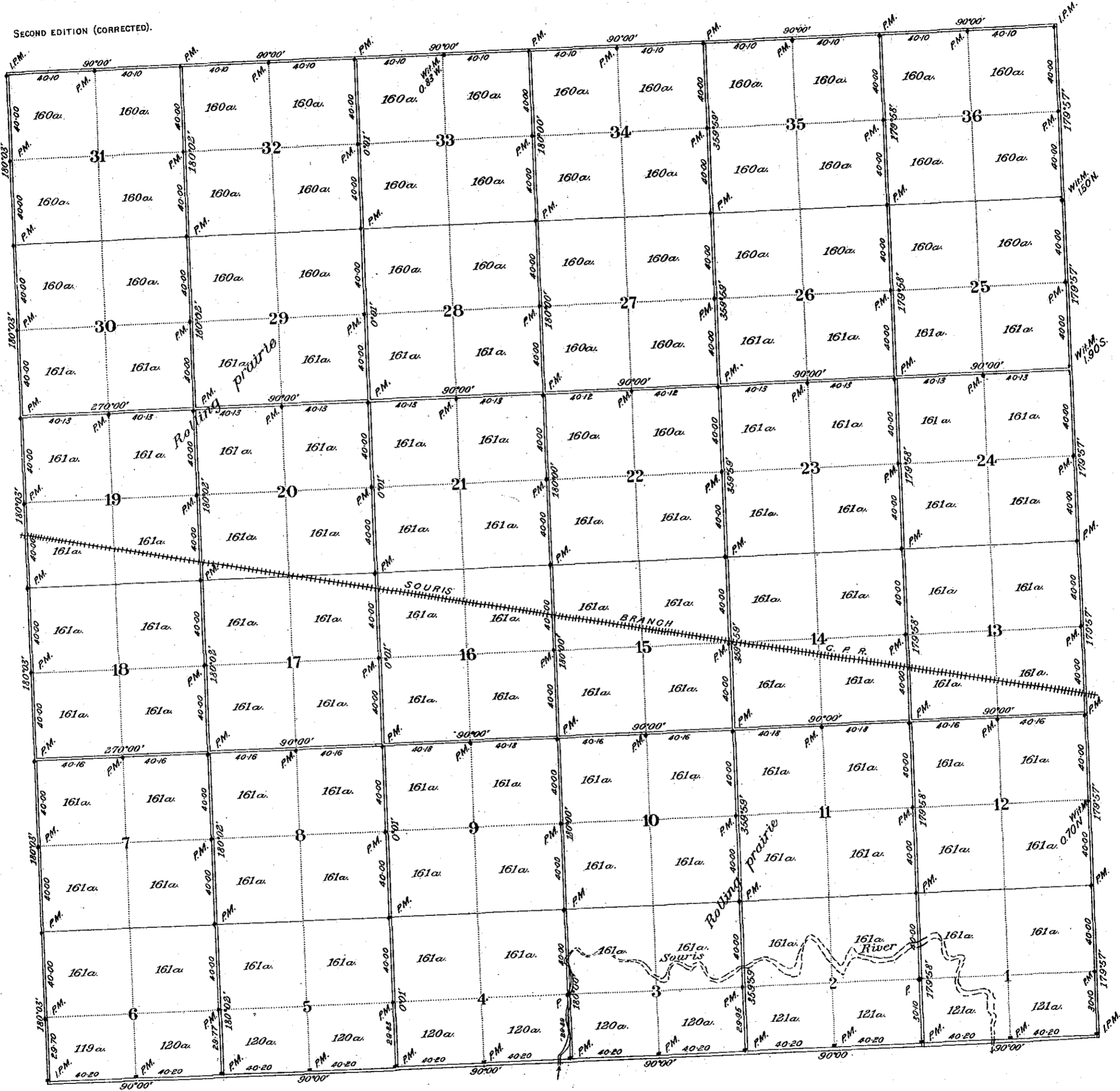

Ed Dancsok, Assistant Deputy Minister
Petroleum and Natural Gas
Saskatchewan Ministry of Energy and Resources

Appendix B, Question 2

Plan of Township 3 Range 1 West of the Second Meridian

SCALE 40 CHAINS TO AN INCH

SECOND EDITION (CORRECTED).



Compiled from official surveys by
 T. S. Gore.....D.L.S.....29th. July, 1881.
 J. A. Carbert.....D.L.S.....14th. August, 1881

Areas in acres are marked on all lands surveyed.
 Distances are in chains.
 Bearings are reckoned from the astronomical meridian
 through the centre of the township.

Department of the Interior, Ottawa, 12th. September, 1903.

Approved and Confirmed.

E. Deville

Surveyor General

FIELD NOTE DIAGRAM

Appendix C Question 5

Client: PLAN 101161303
(2923 Angus St.)

Job #: _____

Crew: _____

LSD. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M.

Date: August 26/14

Pg 1/2

To Cont. SPIKE 1018

20th AVENUE

1000
FIP

1003
FIP

1

1017 8

LOT 11, BLK 567

C. of T.

Plan 101161303

2

Control SPK 1016

567
AP 3598

B L O C
3 P L A N

REGINA
6

Street

Albert



ANGUS Street

4

5

1001
FIP

1002
FIP

M=Callum

Avenue

FIELD DIAGRAM

Appendix C Question 5 Client's Plan 101161303
2923 Angus St

Job #: _____

Crew: _____

Date: August 26/14

LSD. ___ Sec. ___ Twp. ___ Rge. ___ W. ___ M. ___

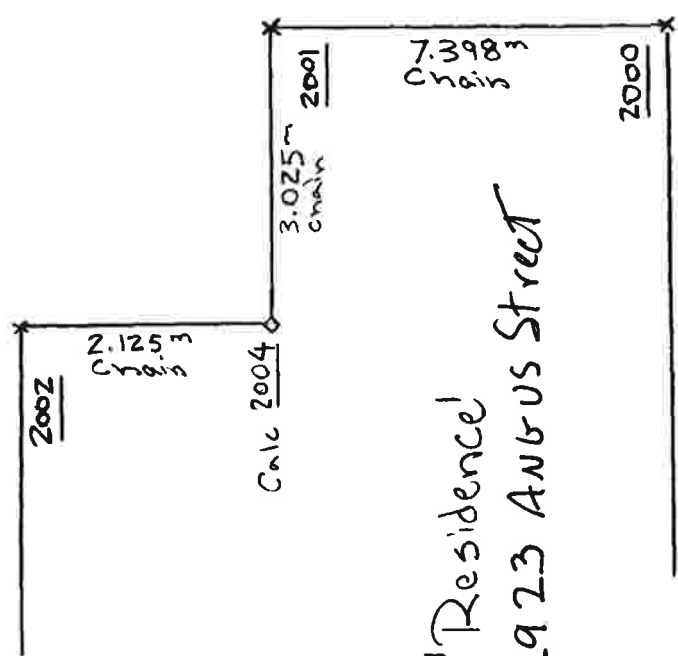
Pg 2/2

PL
Green
Paint
MK
1017
2 SPIKE

PL
Green
Paint
MK
1019
2 SPIKE
LANE

LOT 11
BLOCK 567
Plan 101161303

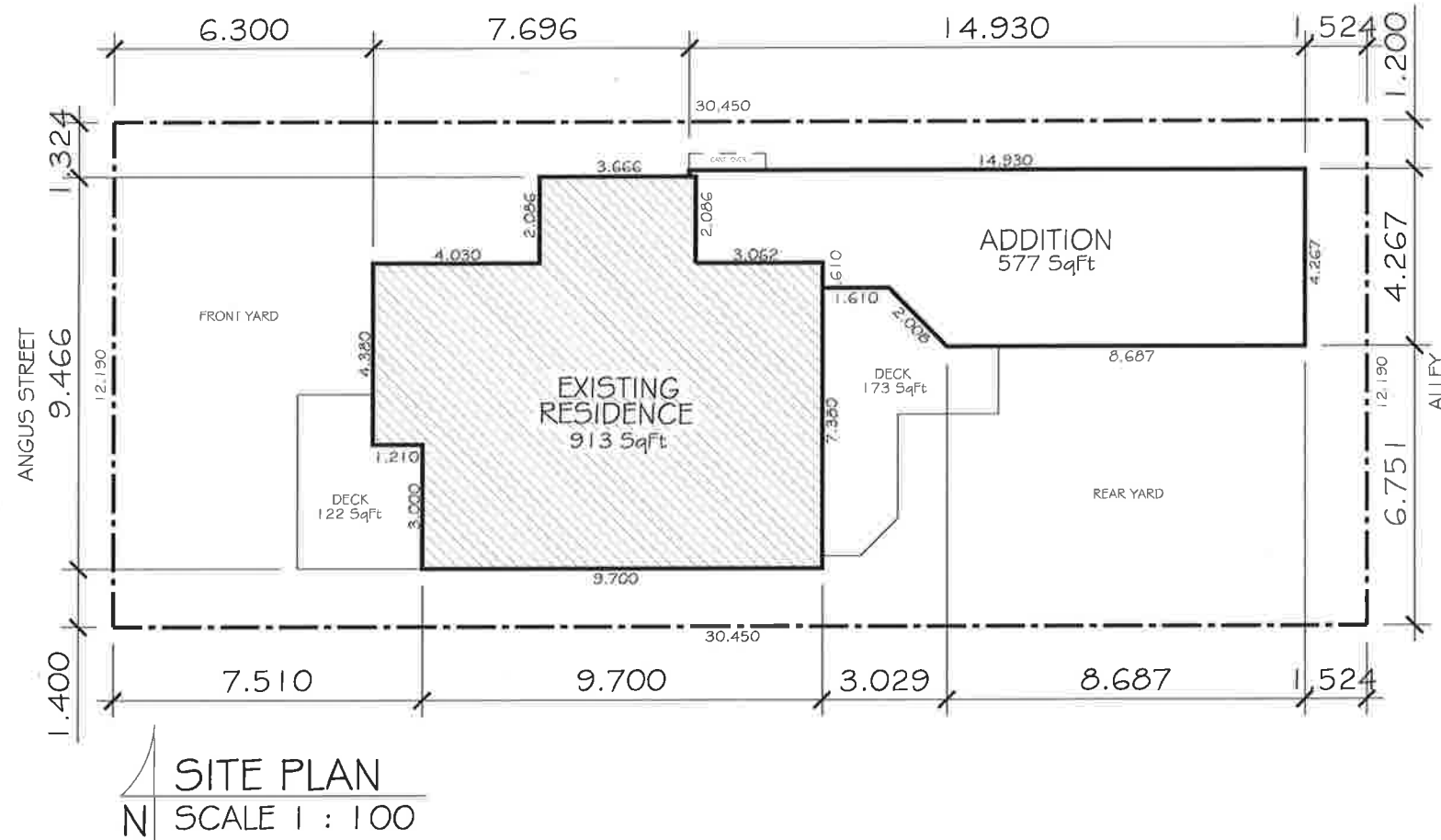
1016
Control
4 SPK



Appendix C Question 5

Point #	Northing	Easting	Elevation	Description
1000	20000.802	20679.029	559.67	FIP LARGE NW BLOCK
1001	19842.196	20679.12	559.793	FIP LARGE SW BLOCK 567
1002	19842.171	20761.397	559.286	FIP LARGE SE BLOCK 567
1003	20000.633	20761.201	558.595	FIP LARGE NE BLOCK 567
1016	19949.601	20705.282	559.768	PL SPK
1017	19972.945	20715.888	559.931	PL PAINT MK / spike
1018	20019.791	20608.324	559.654	PL SPK
1019	19960.236	20711.841	559.828	PL PAINT MK / spike
2000	19950.311	20696.416	558.537	SW COR RESIDENCE
2001	19957.699	20696.427	558.912	NE COR RESIDENCE
2002	19959.908	20693.42	558.407	NE COR RESIDENCE
2004	19957.783	20693.403	558.407	CALC COR RESIDENCE

2923 ANGUS STREET - ADDITION -



LEGAL DESCRIPTION

ADDRESS: 2923 ANGUS STREET
LOT: 11
BLOCK: 567
PLAN: 101161303
REGINA, SASK.

AREAS	SqM.	SqFt.
EXISTING HOME	180.79	1,946
EXISTING FRONT DECK	11.33	122
REAR DECK	16.07	173
MAIN FLOOR ADDITION	11.83	127
GARAGE ADDITION	42.48	457
SECOND FLOOR ADDITION	52.92	570
TOTAL (LIVING) AREA	245.54	2,643

LOT COVERAGE CALC.

LOT SIZE = 370.87 Sq M 3992 SqFt
50% OF LOT = 185.43 Sq M 1996 SqFt

AREAS	SqM.	SqFt.
EXISTING MAIN FLOOR	84.82	913
EXISTING FRONT DECK	11.33	122
REAR DECK	16.07	173
MAIN FLOOR ADDITION	11.83	127
GARAGE ADDITION	42.48	457
TOTAL SITE COVERAGE	166.48	1,792

44.89%

F.A.R. CALCULATIONS

LOT SIZE = 370.87 Sq M 3992 SqFt
75% F.A.R. = 278.15 Sq M 2994 SqFt

AREAS	SqM.	SqFt.
EXISTING HOUSE	180.79	1,946
EXISTING FRONT DECK	11.33	122
REAR DECK	16.07	173
MAIN FLOOR ADDITION	11.83	127
SECOND FLOOR ADDITION	52.92	570
FLOOR AREA RATIO - (FAR)	272.95	2,938

73.59%

PROJECT
2923 ANGUS ST.
- ADDITION -
LOT: 11
BLOCK: 567
PLAN: 101161303

Regina, Saskatchewan

DRAWING
SITE PLAN &
GENERAL NOTES

SCALE
1 : 100

DESIGN
DRAWN
DATE
PROJECT

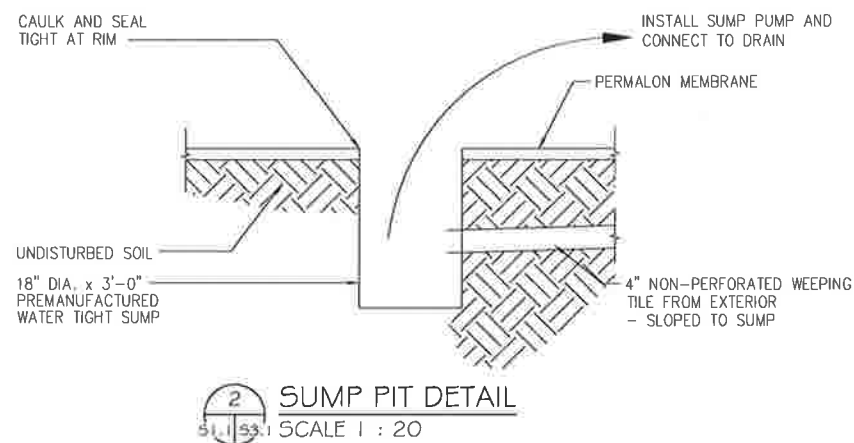
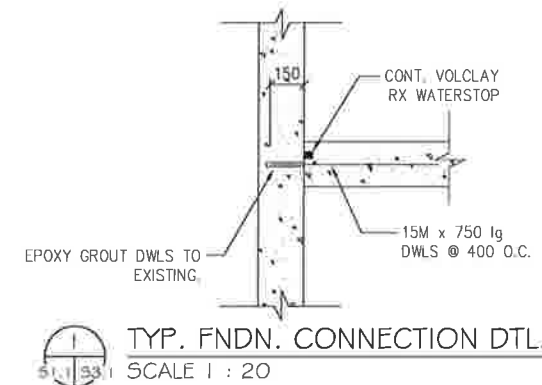
SHEET NO REVISION

A1.1

Appendix C Question 5

STRUCTURAL NOTES:

- THIS STRUCTURAL CERTIFICATION IS VALID ONLY FOR THE HEREIN PROJECT AND PHYSICAL LOCATION. ANY USE OF THE DRAWINGS FOR ANY OTHER PROJECT IS STRICTLY PROHIBITED.
- PLEASE NOTE: PURSUANT TO DIVISION C, PARAGRAPH 2.2.7.2, SENTENCE 1) OF THE NBCC 2010, THE ENGINEER HAS NOT BEEN RETAINED TO REVIEW THE CONSTRUCTION PROCESS FOR THE WORK SHOWN ON THIS DRAWING. THE BUILDER SHALL RETAIN RESPONSIBILITY FOR THE QUALITY OF THE WORK AND MATERIALS USED.
- BUILDER TO CONFORM TO THE MOST CURRENT VERSION OF THE NATIONAL BUILDING CODE OF CANADA PART 9.
- ALL FOOTINGS MUST BE SET ON FIRM, DRY AND UNDISTURBED SOIL. FOOTINGS SHALL NOT BE PLACED ON FROZEN GROUND AND THE BEARING SOIL MUST BE PROTECTED AGAINST FREEZING.
- ALL STEEL TELEPOSTS ARE LISTED AS UNFACTORED CAPACITY UNLESS OTHERWISE SPECIFIED.
- DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
- THE CONTRACTOR SHALL VERIFY ALL LEVELS, DATUMS AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK. ALL ERRORS SHALL BE REPORTED TO THE ENGINEER OR DESIGNER BEFORE PROCEEDING.
- DIMENSIONS ARE TAKEN TO EXTERIOR FACE OF FOUNDATION WALL, EXTERIOR FACE OF WALL STUDS AND CENTERLINE OF INTERIOR PARTITIONS UNLESS NOTED OTHERWISE.
- ALL INTERIOR BASEMENT WALLS SHALL BE BUILT WITH FLOAT SPACE TO PERMIT UPWARD MOVEMENT OF BASEMENT FLOOR SLAB.
- NO MODIFICATIONS PERMITTED TO STRUCTURE WITHOUT WRITTEN APPROVAL OF BUILDER'S STRUCTURAL ENGINEER.
- MINIMUM FOUNDATION DEPTH BELOW FINISHED GROUND LEVEL IS 1500mm (5'-0").
- THERE HAS BEEN NO GEOTECHNICAL SUBSURFACE SOIL TEST. ASSUMPTIONS HAVE BEEN MADE BASED COMPETENT SOIL CONDITIONS OF 1500 P.S.F. BEARING AND 500 P.S.F. SKIN FRICTION CAPACITY. IN THE EVENT UNUSUAL CONDITIONS ARE ENCOUNTERED THE DESIGNER SHALL BE NOTIFIED BEFORE PROCEEDING.
- IF UNUSUAL CONDITIONS ARE FOUND DURING PILE PLACEMENT, SUCH AS GROUND SLOUGHING OR WATER INFILTRATION, AND AN ADJUSTMENT NEEDS TO BE MADE, THE CLIENT WILL COMPENSATE THE CONTRACTOR FOR ANY ADDITIONAL COSTS INVOLVED.

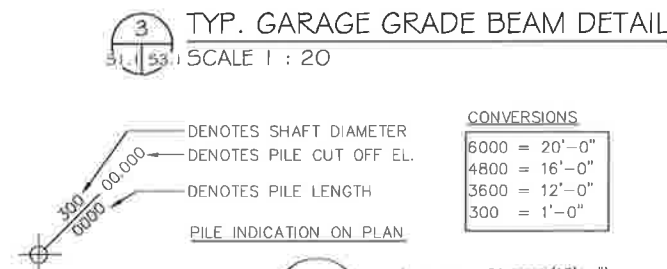
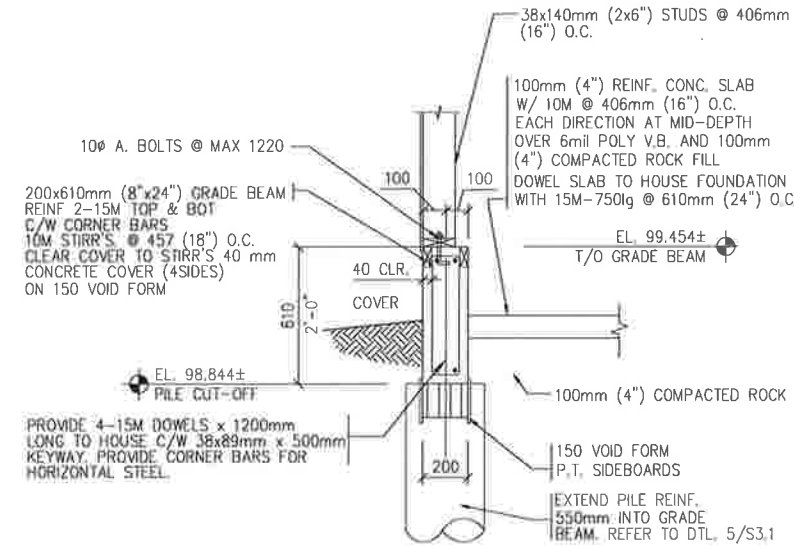


CONCRETE TO CSA A23.1 :

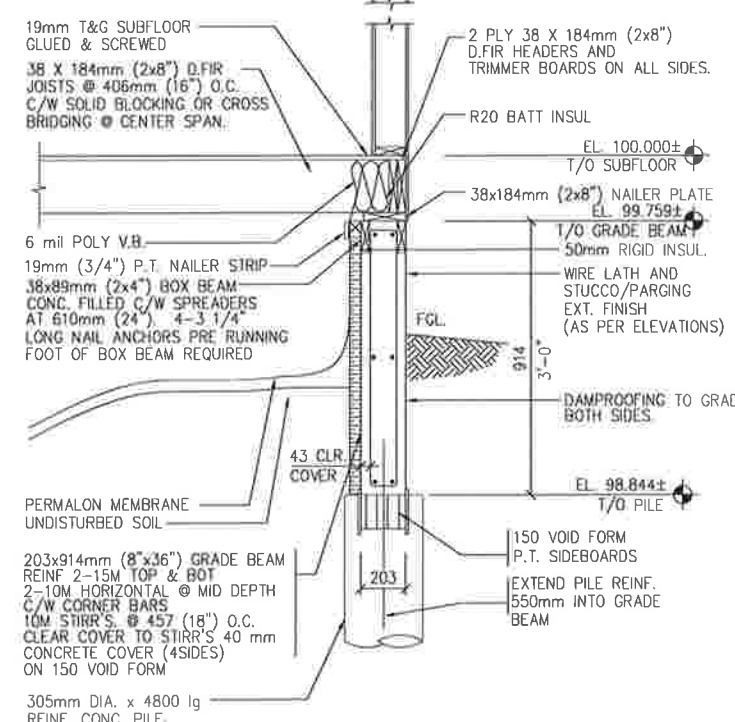
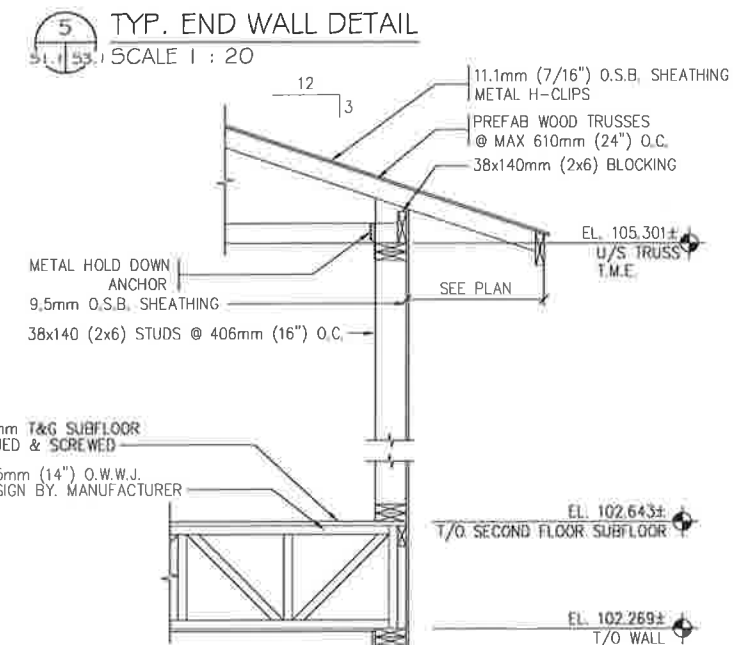
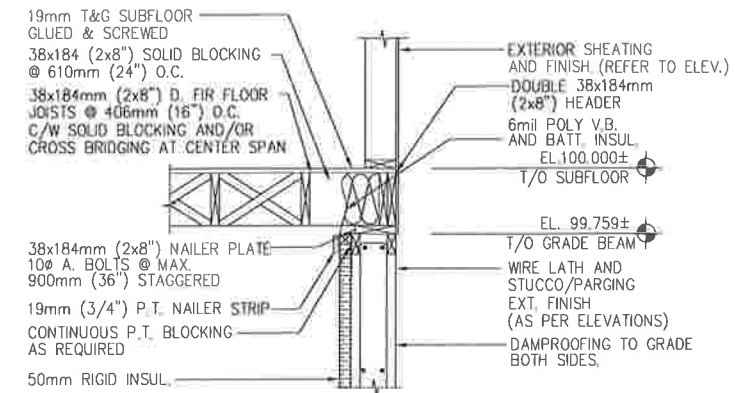
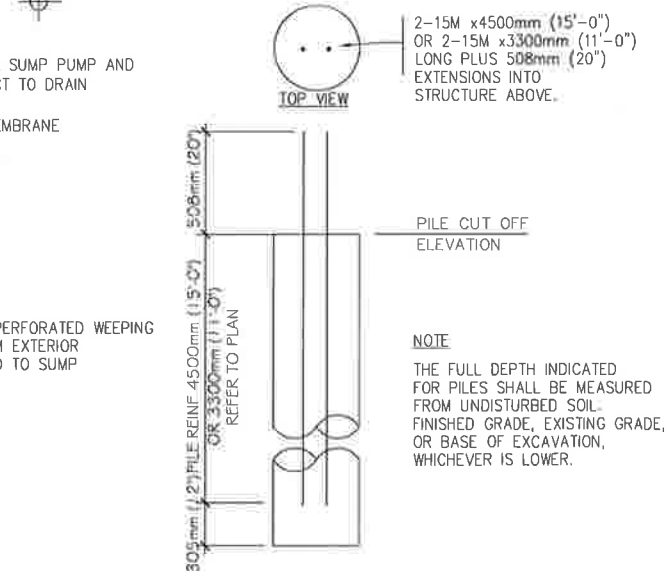
WALLS: 25MPa, TYPE 50, AIR 4-6%, SLUMP MAX. 100mm
 PILES: 25MPa, TYPE 50, AIR 4-6%, SLUMP 50-100mm
 GRADE BEAM: 25MPa, TYPE 50, AIR 4-6%, SLUMP 50-100mm
 GARAGE FLOOR & APPROACH RAMP: 32 MPa, TYPE 10, AIR NIL, SLUMP 50-75mm

REINFORCING TO CSA G30.18

TIES GRADE 300
 ALL OTHER BARS GRADE 400



CONVERSIONS	
6000	= 20'-0"
4800	= 16'-0"
3600	= 12'-0"
300	= 1'-0"



PROJECT
 2923 ANGUS ST.
 - ADDITION -
 LOT: 11
 BLOCK: 567
 PLAN: 101161303

Regina, Saskatchewan

DRAWING
 STRUCTURAL NOTES
 & DETAILS

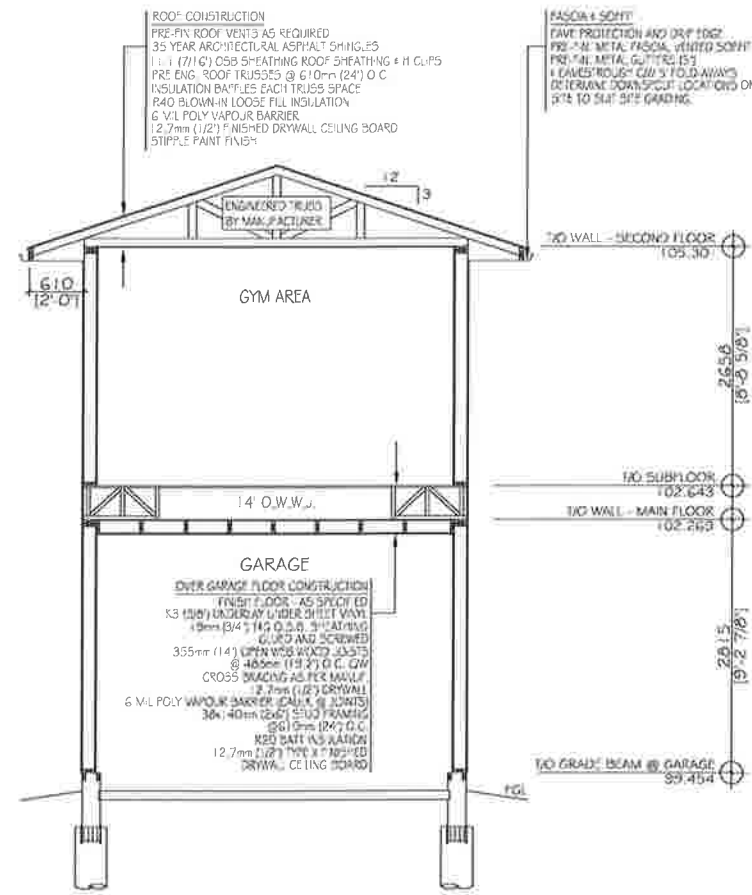
SCALE
 1:20

DESIGN
 DRAWN
 DATE
 PROJECT

SHEET NO
 REVISION

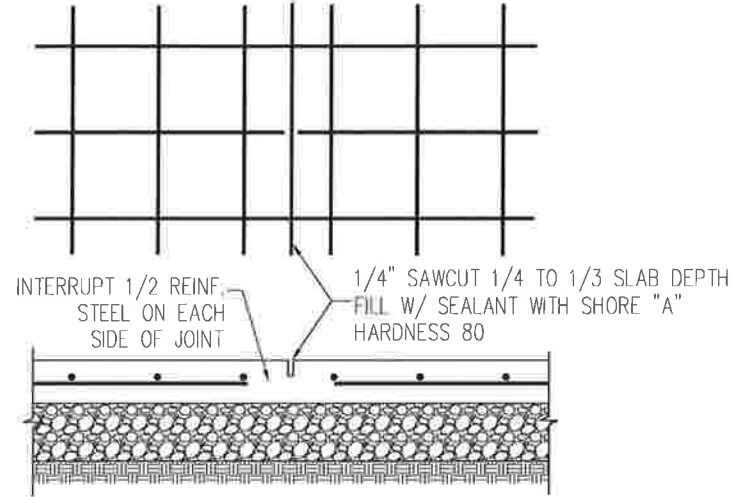
S3.1

Appendix C Question 5

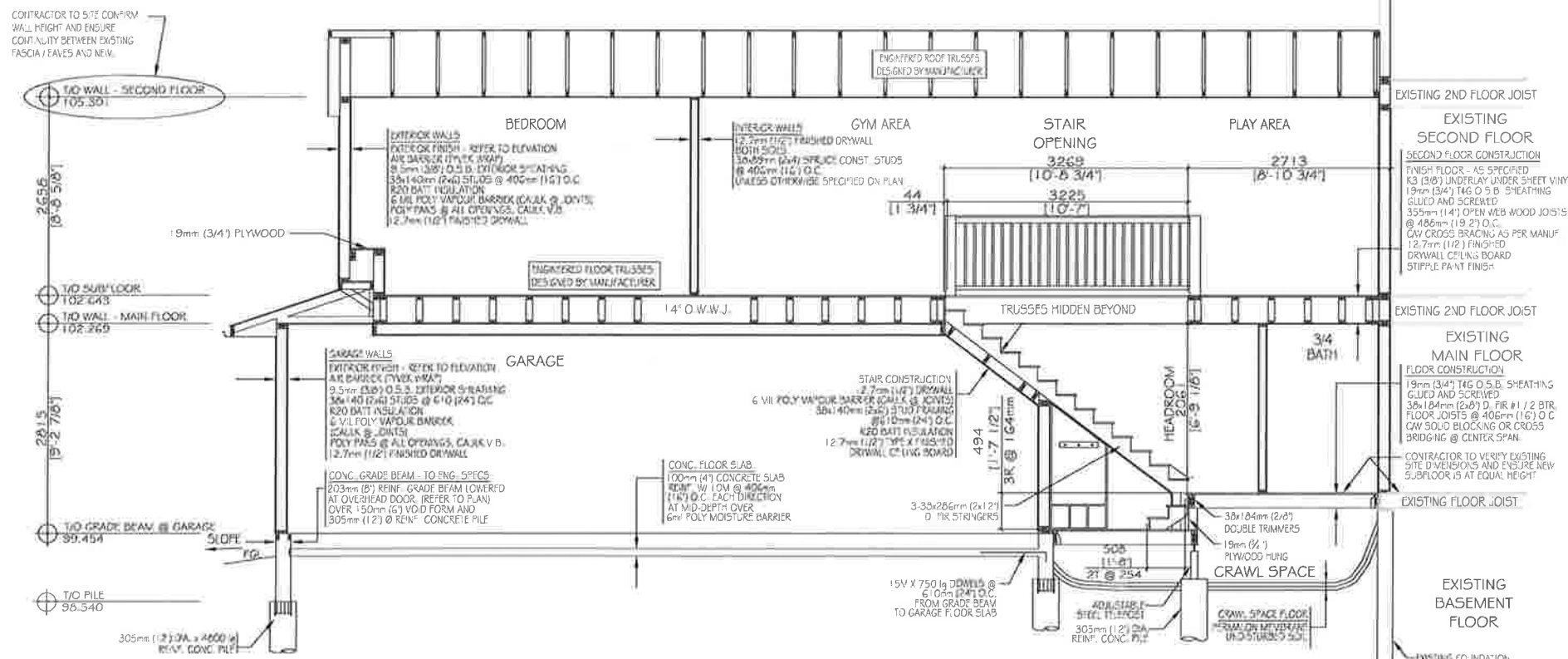


1 BUILDING SECTION
SCALE 1 : 50

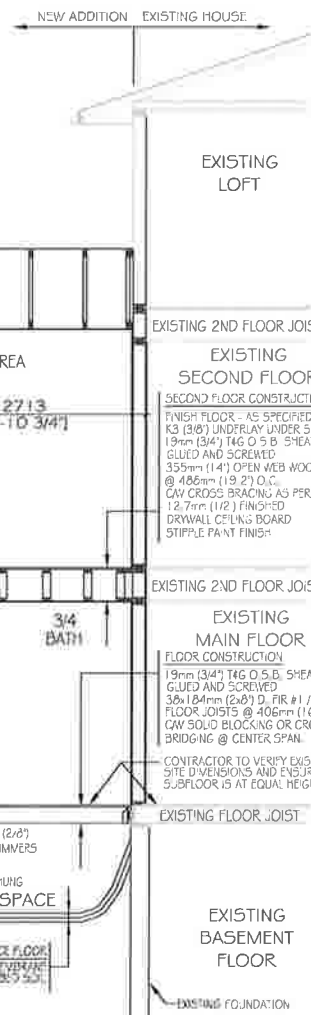
NOTE: BAR LAP SHALL NOT OCCUR AT CONTROL JOINTS



3 TYP. SAWCUT DETAIL
SCALE 1 : 5



2 BUILDING SECTION
SCALE 1 : 50



PROJECT	
2923 ANGUS ST. ADDITION	
BLOCK: 567	
Saskatchewan	
DRAWING	
DETAILS	
SCALE	
1:20	
DESIGN	CVB
DRAWN	CVB
DATE	JULY 25, 2014
PROJECT	140211
SHEET NO	REVISION
52.1	

Province of Saskatchewan
Land Titles Registry
Title

Title #: 144481338	As of: 27 Mar 2015 08:18:16
Title Status: Active	Last Amendment Date: 19 Feb 2014 15:20:24.803
Parcel Type: Surface	Issued: 13 Dec 2013 14:32:11.443
Parcel Value: \$250,000.00 CAD	
Title Value: \$250,000.00 CAD	Municipality: CITY OF REGINA
Converted Title: 88R29038	
Previous Title and/or Abstract #: 129859150	

Angus Street Developments is the registered owner of Surface Parcel #111957925

Reference Land Description: Lot 11 Blk/Par 567 Plan No 101161303 Extension 3
As described on Certificate of Title 88R29038, description 3.

This title is subject to any registered interests set out below and the exceptions, reservations and interests mentioned in section 14 of *The Land Titles Act, 2000*.

Registered Interests:

Interest #:		
165000000	Mortgage	Value: \$250,000.00 CAD
		Reg'd: 13 Dec 2013 14:32:12
		Interest Registered Amendment Date: N/A
		Interest Assignment Date: N/A
		Interest Scheduled Expiry Date: N/A
		Expiry Date: N/A

Holder:
Royal Bank of Canada
10 York Mills Rd
Toronto, Ontario, Canada M2P 0A2
Client #: 102218958
Int. Register #: 119665491

Addresses for Service:

Name	Address
Owner: Angus Street Developments Client #: 129000000	2923 Angus Street Regina, SK, Canada S4S 1P1

Notes:

Parcel Class Code: Parcel (Generic)



Government of Saskatchewan

CERTIFICATE OF TITLE

Value \$ 150,000.00

No. 88R29038

Grant No.

Ref. 88R17231(1)



Conversion Cancelled Title

THIS IS TO CERTIFY that BERNARD BOYD KELLEY and FLORENCE MARY KELLEY both of Regina, Saskatchewan

are now the owners of an estate in fee simple as joint tenants

of and in the most Northerly 40 feet in width throughout of Lot 2 Block 567 Regina, Saskatchewan Plan AP 3598

M & B

MINERALS INCLUDED

Lot 2 Description 3

SUBJECT TO THE ENCUMBRANCES, LIENS AND INTERESTS NOTIFIED BY MEMORANDUM NOW OR HEREAFTER UNDERWRITTEN OR ENDORSED HEREON, OR WHICH ATTACH BY IMPLICATION UNDER THE LAND TITLES ACT. ANY REFERENCE TO AREA IS "MORE OR LESS".

IN WITNESS WHEREOF I have hereunto subscribed my name and affixed my official seal this

25 day of May, A.D. 19 88

Post Office Address 2923 Angus Street

Regina, Sask. S4S 1P1

Registrar

Regina Land Registration District

Province of Saskatchewan

NOTICE: The Land Titles Act provides that "every owner or mortgagee shall notify the Registrar of any change in his Post Office Address."

aam

CERTIFICATE OF TITLE
Appendix C Question 5

ABBREVIATIONS

AM - Affidavit of Marriage
BL - Builders' Lien
C - Caveat
CA - Commencement of Action
CCE - Certificate of Chief Engineer
CON - Consolidation
E - Enlargement EA - Easement
F - Forfeiture
JO - Judge's Order

L - Lease
LP - Lis Pendens/ Certificate of Pending Litigation
LDT - Lost Duplicate Certificate of Title
M - Mortgage
MBO - Mediation Board Order
MC - Mineral Certificate
MEA - Mortgage of Easement
ML - Mechanics' Lien

CHARGES, LIENS AND INTERESTS

CERTIFICATE OF TITLE NO. 88R29038

NAME Bernard Boyd Kelley et al

LAND Ptn. Lot 2, Blk. 567, Regina, AP 3598

ABBREVIATIONS

MO - Maintenance Order
MTO - Master of Titles Order
N - Notice
PA - Power of Attorney
PLN - Plan
PP - Postponement
PPS - Personal Property Security Act Notice
PWA - Party Wall Agreement

R - Renewal
REP - Replot
REQ - Request
SJT - Application by Surviving Joint Tenant
T - Transfer
TI - Transfer of Instrument
TL - Tax Lien
TR - Transmission
WE - Writ of Execution

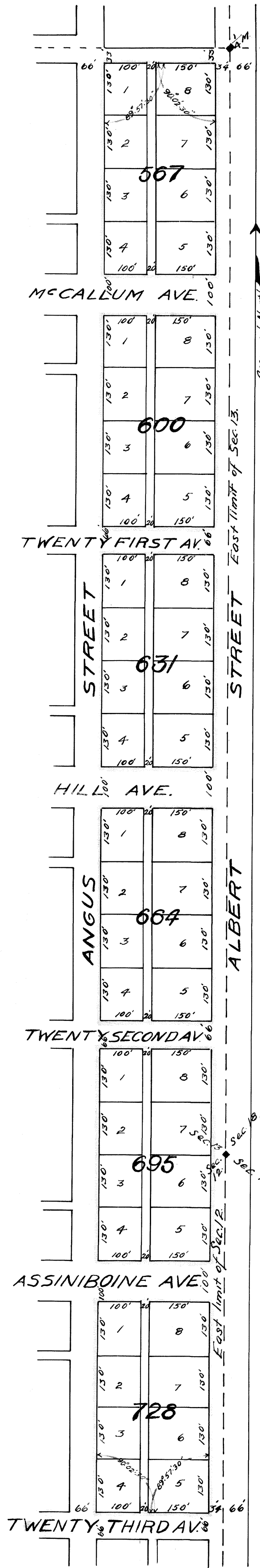
Nature of Instrument	Registration Number	Date of Registration	Amount	Particulars	Discharges and Withdrawals	
					Registration Number	Date of Registration
M	99RA25777	3 Nov 99	\$147,000.00	To: Bank of Montreal 1524 Albert St., Regina, SK S4P 2S4		



Registrar

0081

0081



PLAN SHOWING
Change of Survey
 in blocks 567, 600, 631, 664, 695 & 728 in
LAKEVIEW SUBDIVISION
 Made for Messrs. McCallum Hill & Co.
 By W.R. Reilly S.L.S.
 Scale 200ft. to 1inch May 1911.

I hereby certify that this Plan in the Province of Saskatchewan was prepared by the Saskatchewan Land Surveyor, do hereby certify that the Plan accurately shows the manner in which the land therein has been surveyed and subdivided by me and that the Plan is prepared in accordance with the provisions of the Land Survey Act.

Dated at Regina
 this 7th day of June A.D. 1911
 W.R. Reilly
 Francis B. Reilly Witness

I, Francis B. Reilly, do hereby certify that I am a duly qualified and licensed Land Surveyor in the Province of Saskatchewan and that I am a subscribing witness to the above Plan.

I, William Campbell Reilly, do hereby certify that I am the father of the said Francis B. Reilly and that I am a subscribing witness to the above Plan.

I, Charles Gordon Culbert, do hereby certify that I am a duly qualified and licensed Land Surveyor in the Province of Saskatchewan and that I am a subscribing witness to the above Plan.

E. W. Callum
 E. W. Callum
 Owners
 C. Culbert
 Witness

I, Charles Gordon Culbert, do hereby certify that I am a duly qualified and licensed Land Surveyor in the Province of Saskatchewan and that I am a subscribing witness to the above Plan.

I, Ernest W. Callum, do hereby certify that I am a duly qualified and licensed Land Surveyor in the Province of Saskatchewan and that I am a subscribing witness to the above Plan.

I, W. Moorhead, do hereby certify that I am a duly qualified and licensed Land Surveyor in the Province of Saskatchewan and that I am a subscribing witness to the above Plan.

Note - Only that portion within colored margin to be registered.

I certify that the plan of the land shown on this plan is a true and correct copy of the original plan as filed in the office for the Assiniboine Land District, Regina, Saskatchewan, on the 12th day of June, 1911.
 P. 911 of 12
 586 of 197 600-103. 599-97.
 615-127. 324-168.

22044

0081

0081

Appendix D Question 6

Point	Northing	Easting	Elevation	Description
1	5648166.679	143458.432	500	FIP 36-19-18
2	5648170.104	144287.255	500	FIP 1/4Mr
3	5649777.484	145092.719	500	FIP 6-20-17cult
4	5649777.178	144285.659	500	FIP 1/4Mr
5	5649776.532	143453.628	500	FIPR9Mr
6	5649270.757	143453.757	500	FIP_R8_Appr
7	5648982.207	145094.312	500	FIP 1/4cult

SASKATCHEWAN

Plan of Township 20, Range 17, West of the Second Meridian

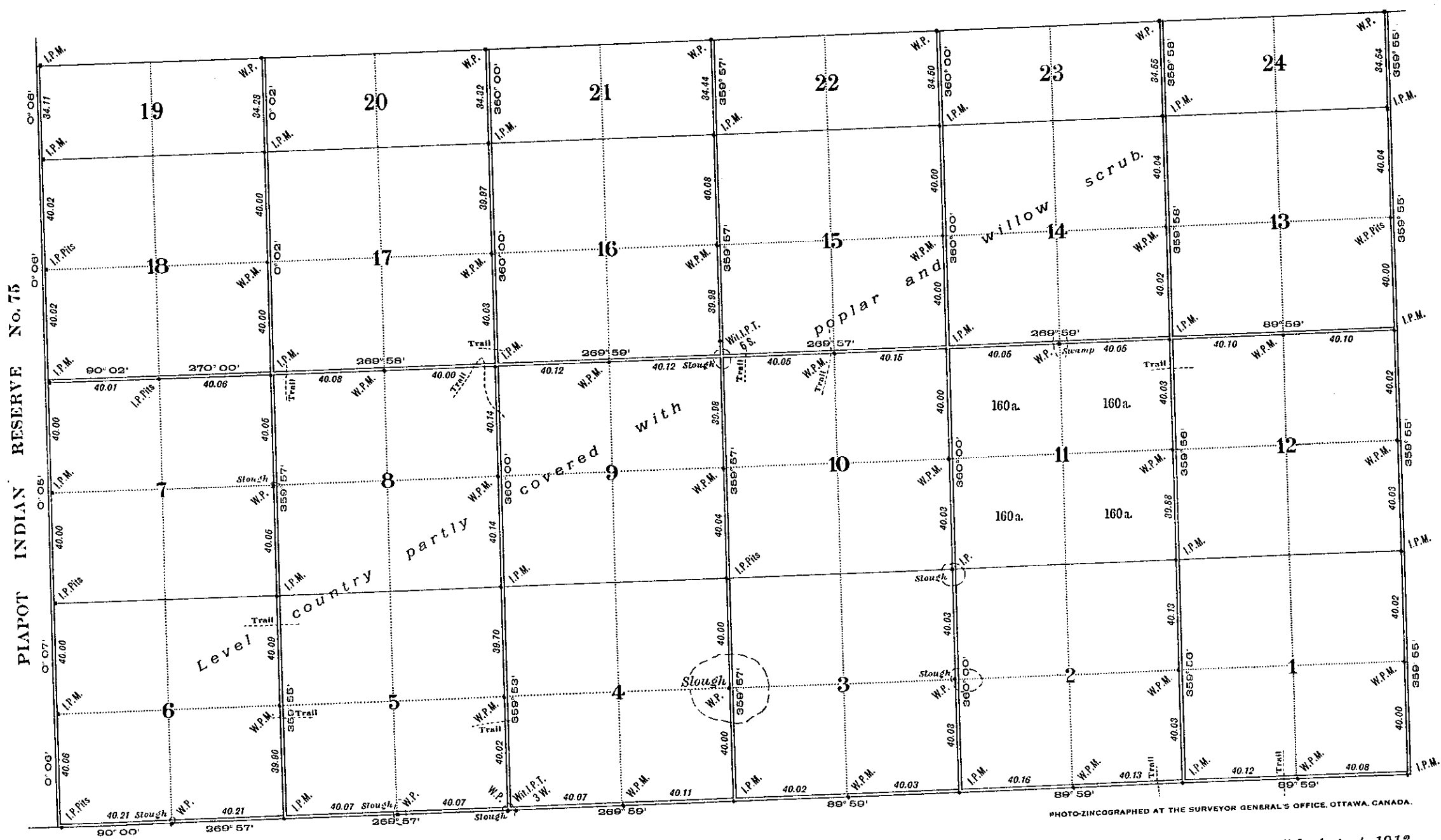
THIRD EDITION, CORRECTED

Made under the authority of subsection 4 of section 56 of the Dominion Lands Surveys Act.

SCALE 40 CHAINS TO AN INCH

MUSCOWPEETUNG INDIAN RESERVE

No. 80



Compiled from official surveys by
 E. W. Hubbell, D.L.S., 31st July, 1905
 G. A. Bennett, D.L.S., 20th June, 1911

DIAGRAM SHOWING THE
 NUMBERING OF LEGAL SUB-
 DIVISIONS IN A SECTION

13	14	15	16
12	11	10	9
5	6	7	8
4	3	2	1

NOTE: Areas in acres are marked on all lands surveyed, except lands that have been patented. Distances are in chains. Bearings are reckoned from the astronomical meridian through the centre of the township.

Department of the Interior, Ottawa, 25th August, 1913.

Approved and Confirmed.

E. Deville
 Surveyor General.

This instrument has not been examined but purports to be a duplicate of an instrument registered in the Land Titles Office for the Regina Land Registration District at Regina, in the Province of Saskatchewan on the 19 day of Aug. A.D. 1982 as Number 821-M.

PLAN OF SURVEY SHOWING NEW ROAD IN TWP. 19 - RGE. 18 - W. 2 M. TWP. 19 - RGE. 17 - W. 2 M. TWP. 20 - RGE. 18 - W. 2 M. TWP. 20 - RGE. 17 - W. 2 M. J.P. CONDON, S.L.S. 1980 SCALE: 1:5000

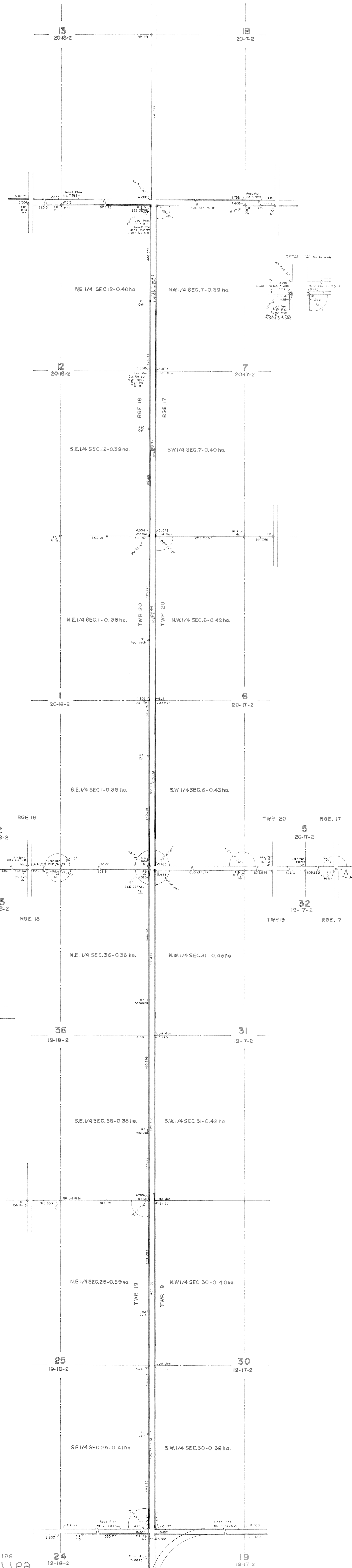
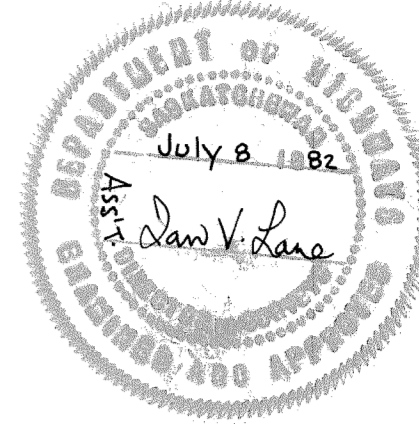
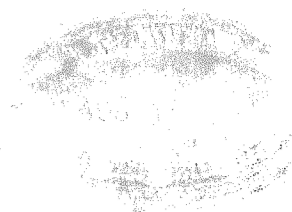
1. All measurements are in metres and three decimals thereof. 2. Standard Road Allowances on this plan are 3rd system.

NPX05809

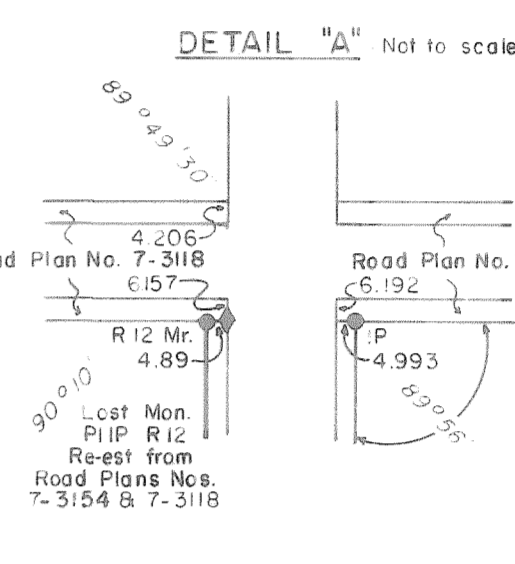
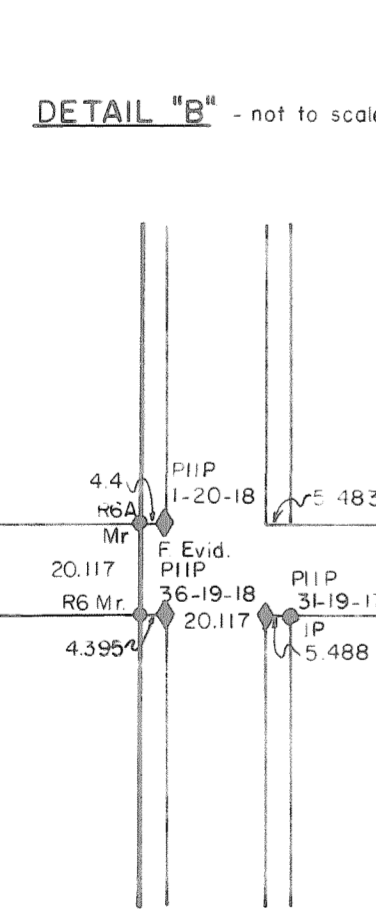
I, James Patrick Condon, Saskatchewan Land Surveyor, do hereby certify that the survey represented by this plan has been made by me in accordance with the provisions of the Land Survey Act, and that this survey was performed on the dates of November 21st to November 28th, 1980 and that this plan is correct and true to the best of my knowledge and belief.

Dated at Regina in the Province of Saskatchewan this 27 day of August, 1981.

Saskatchewan Land Surveyor



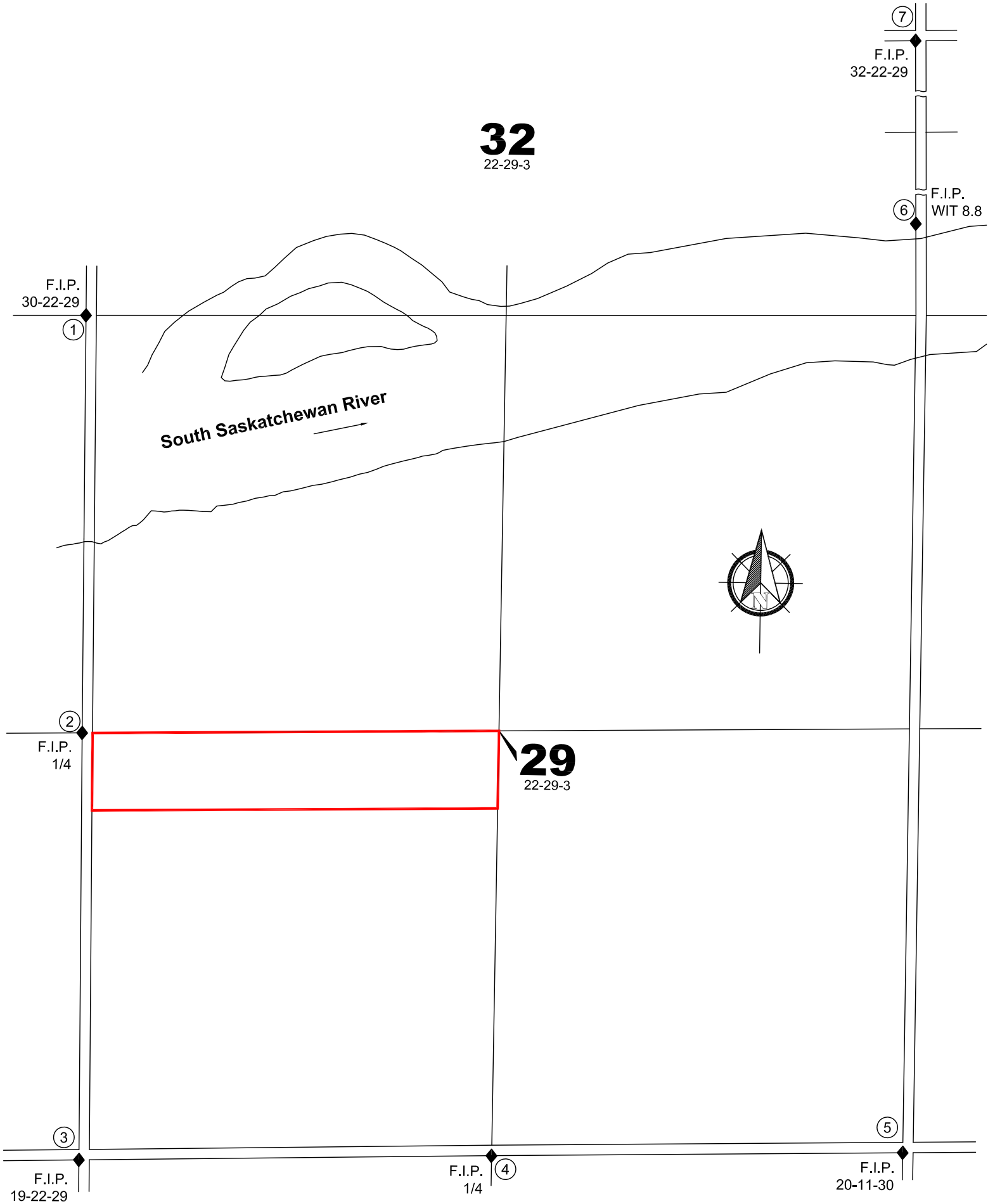
NORTH



W-128 1-116a 24 19-18-2

19 19-17-2

Appendix E Question 7



Appendix E Question 7

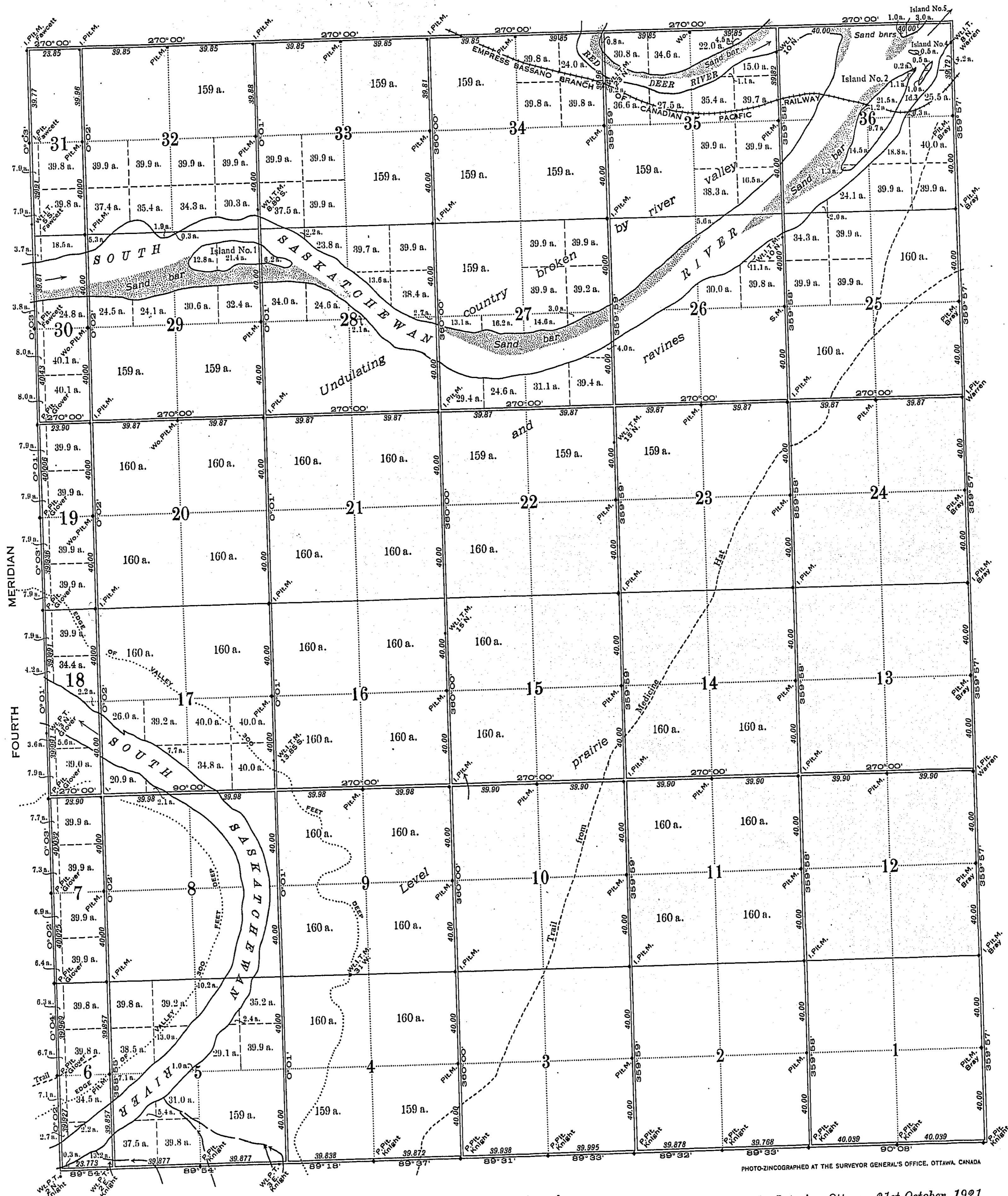
Point	Northing	Easting	Elevation	Description
1	11631.472	10030.778	624.248	F.I.P. 30-22-29
2	10824.932	10014.859	619.241	F.I.P. 1/4
3	10000.000	10000.000	620.486	F.I.P. 19-22-29
4	10000.000	10797.455	622.751	F.I.P. 1/4
5	9997.228	11591.573	622.117	F.I.P.20-22-29
6	11791.682	11635.681	618.521	F.I.P. WIT 8.8
7	13230.240	11648.889	621.153	F.I.P. 32-22-29

SASKATCHEWAN

Plan of Township 22, Range 29, West of the Third Meridian

SCALE 40 CHAINS TO AN INCH

THIRD EDITION



Compiled from official surveys by

- E. Bray D.L.S. 12th October 1882
- E. W. Hubbell D.L.S. 7th November 1889
- J. Warren D.L.S. 17th June 1906
- T. Fawcett D.L.S. 10th July 1908
- A. G. Stuart D.L.S. 26th October 1914
- G. A. Bennett D.L.S. 13th October 1917
- * R. H. Knight D.L.S. 27th June 1918
- A. E. Glover D.L.S. 2nd October 1919

* In part a resurvey executed under the provisions of Section 58 of the Dominion Lands Surveys Act.

NOTE: The subdivisions of quarter-sections shown upon this plan are legal subdivisions. Distances are in chains. Bearings are reckoned from the astronomical meridian through the centre of the township. Areas in acres are marked on all lands surveyed, except lands that have been patented. Areas are taken to the banks of South Saskatchewan and Red Deer rivers. The name at a monument is that of the surveyor who erected or restored the monument. All monuments not so designated were erected or restored by E. W. Hubbell.
P. stands for standard post; I. for old pattern iron post; Wo. for wooden post; Pit. for four pits; M. for mound; S. M. for stone mound; Wt. for witness; T. for trench.

Department of the Interior, Ottawa, 21st October, 1921

Approved and Confirmed

J. Shankes
For the Surveyor General.

13	14	15	16
12	11	10	9
5	6	7	8
4	3	2	1

Legal Subdivisions in a Section