

The Springs at Dewinton



Pure Elements
Environmental Solutions
Design • Build • Operate
pure-elements.ca

THE SPRINGS AT DEWINTON
PONDS DESIGN DRAWINGS
ISSUED FOR CONSTRUCTION

DRAWING SET MAY BE REDUCED - DO NOT SCALE

Pure Elements

Environmental Solutions

Mailing Address:
 Suite 1, Comp. 77 PR1
 De Winton, AB T0L 0X0
 Phone: (403) 995-2474
 Email: engineering@pure-elements.ca
www.pure-elements.ca

DRAWINGS LIST:

Civil Drawings:

- PE-330-001-2015
- PE-330-002-2015
- PE-330-003-2015
- PE-330-004-2015
- PE-330-005-2015

DRAWING SET ISSUE RECORD				
PROJECT: The Springs at Dewinton - Hawk Springs Project				
ISSUE	DATE OF MAILING			
	ARCHITECTURE	CIVIL / STRUCTURAL	ELECTRICAL	MECHANICAL
PRELIMINARY	---	Dec. 08, 2015	---	---
ISSUED FOR CONSTRUCTION	---	Feb. 05, 2016	---	---
---	---	---	---	---
---	---	---	---	---
---	---	---	---	---

ALL DRAWINGS IN THIS ISSUE HAVE BEEN REVIEWED AND APPROVED BY THE FOLLOWING:

Sincerus (Hawkspings) Limited Partnership
 Suite 200 - 584 Pembira Highway
 Winnipeg, Manitoba R3M 3X7

Trina Comartin, P.Eng.
 Project Manager
 Pure Elements



Pure Elements
 Environmental Solutions
 Design • Build • Operate
pure-elements.ca



ALL rights reserved. This is a copyright drawing and shall not be reproduced, revised, or used in whole or in part, in any form or by any means, without written permission from A Designs Inc.

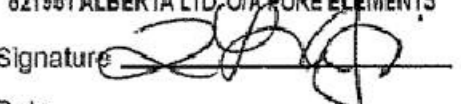
This drawing must not be scaled. All dimensions to be checked on site.

PROJECT TITLE:
THE SPRINGS AT DEWINTON

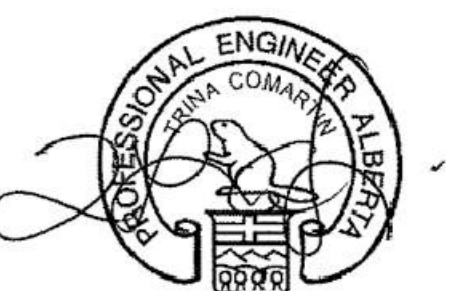
GENERAL NOTES:
1. ALL DIMENSIONS AND COORDINATES ARE IN METERS UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES:

PERMIT TO PRACTICE STAMP:

PERMIT TO PRACTICE
821961 ALBERTA LTD. OF A/PURE ELEMENTS
Signature: 
Date: _____
PERMIT NUMBER: P 9848
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

ENGINEER'S STAMP:




REFERENCE DRAWINGS:
PE-330-002-2015
PE-330-003-2015
PE-330-004-2015

REV.	DATE	DESCRIPTION	BY	CHK	APPR
0	05.02.16	ISSUED FOR CONSTRUCTION	AA	TC	TC
A	08.01.16	PRELIMINARY	AA	TC	TC

CLIENT:
THE SPRINGS AT DEWINTON

ADDRESS:
Mailing Address:
Suite 1, Comp. 77 PR1
De Winton, AB T0L 0X0
Phone: (403) 995-2474
Email: engineering@pure-elements.ca
Website: www.pure-elements.ca

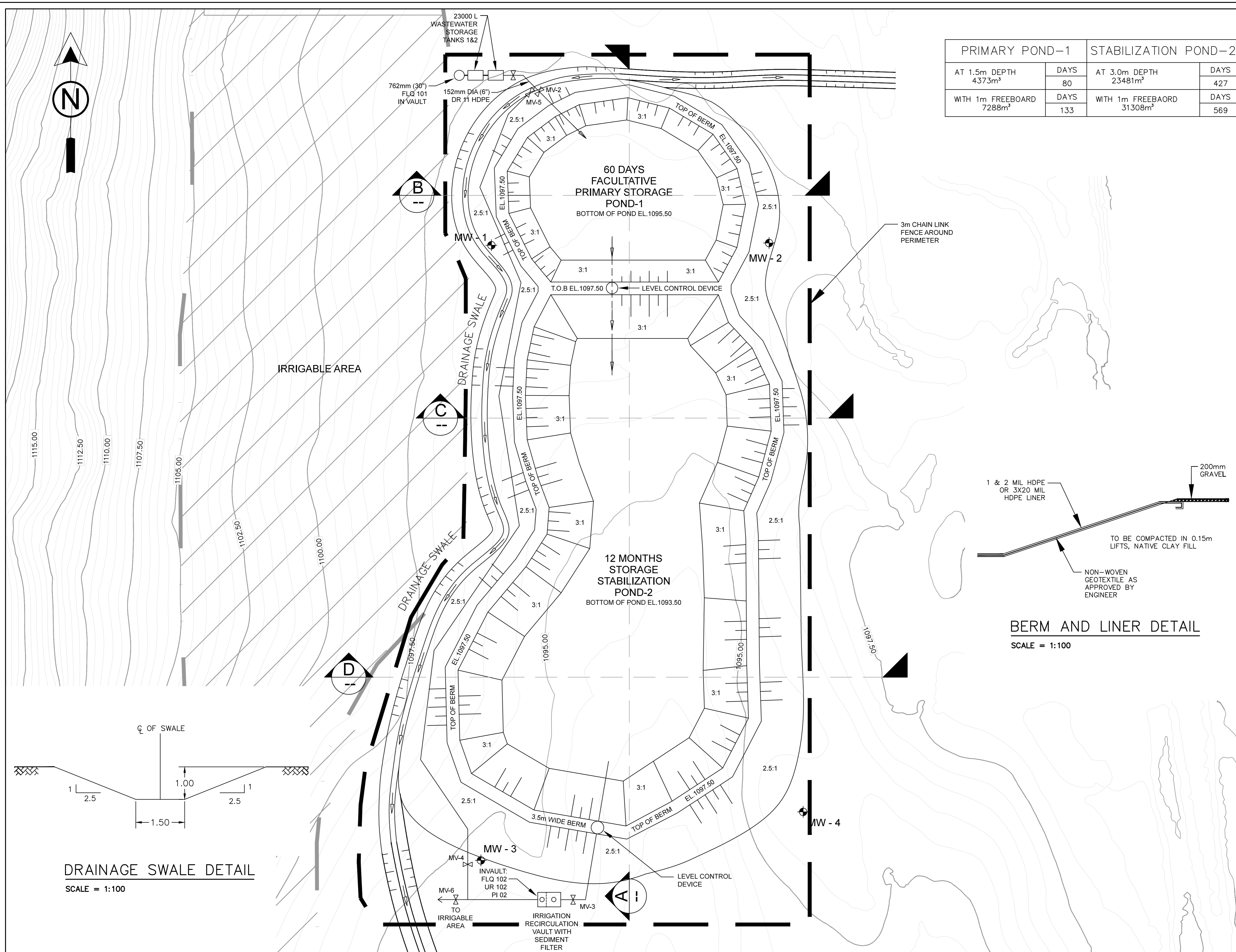


Pure Elements
Environmental Solutions
Design • Build • Operate
pureelements.ca

DRAWING TITLE:
SITE PLAN

PROJECT NO: 330-2015	SHEET NO:
DATE: February 05, 2016	001
DEPARTMENT: Civil	
DRAWING NO: PE-330-001-2015	
SCALE: 1:400	
DRWN BY: AA	APPR BY: TC
CHEKD BY: TC	REVISION: 0

/Users/user/Documents/Pure Elements Environmental Solutions/Projects/PE-330-2015/Issued for Construction/Rev-0



PRIMARY POND-1		STABILIZATION POND-2	
AT 1.5m DEPTH 4373m ³	DAYS 80	AT 3.0m DEPTH 23481m ³	DAYS 427
WITH 1m FREEBOARD 7288m ³	DAYS 133	WITH 1m FREEBOARD 31308m ³	DAYS 569

ALL rights reserved. This is a copyright drawing and shall not be reproduced, revised, or used in whole or in part, in any form or by any means, without written permission from A Designs Inc.
This drawing must not be scaled. All dimensions to be checked on site.

PROJECT TITLE:
THE SPRINGS AT DEWINTON

GENERAL NOTES:
1. ALL DIMENSIONS AND COORDINATES ARE IN METERS UNLESS NOTED OTHERWISE

CONSTRUCTION NOTES:

PERMIT TO PRACTICE STAMP:
PERMIT TO PRACTICE
 821951 ALBERTA LTD./A-PURE ELEMENTS
 Signature: [Signature]
 Date: [Blank]
PERMIT NUMBER: P 9848
 The Association of Professional Engineers, Geologists and Geophysicists of Alberta

ENGINEER'S STAMP:

REFERENCE DRAWINGS:
 PE-330-001-2015
 PE-330-003-2015
 PE-330-004-2015

REV.	DATE	DESCRIPTION	BY	CHK	APP
0	05.02.16	ISSUED FOR CONSTRUCTION	AA	TC	TC
A	08.01.16	PRELIMINARY	AA	TC	TC

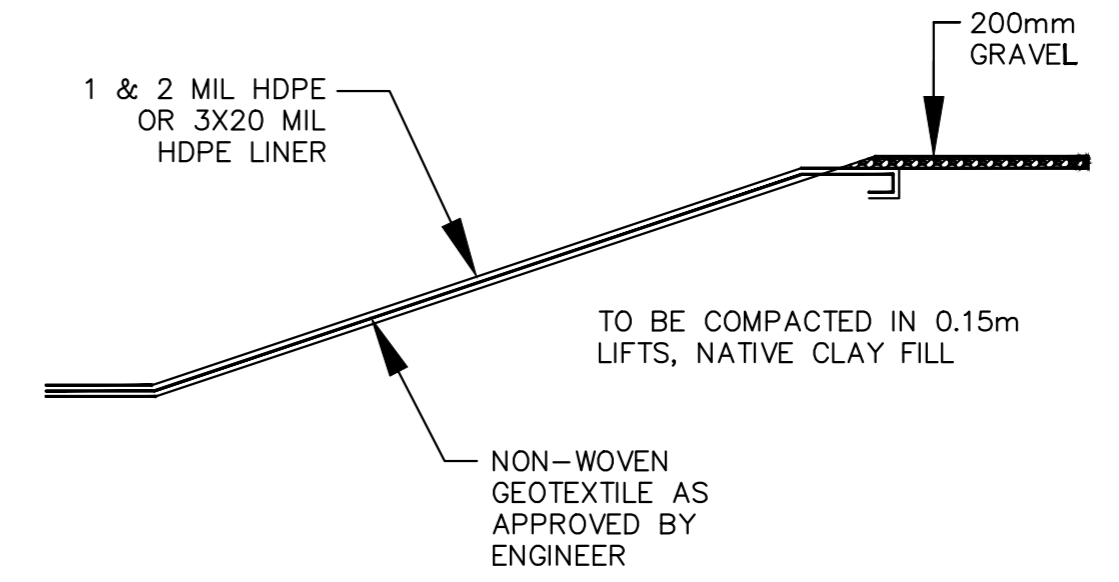
CLIENT:
THE SPRINGS AT DEWINTON

ADDRESS:
 Mailing Address:
 Suite 1, Comp. 77 PR1
 De Winton, AB T0L 0X0
 Phone: (403) 995-2474
 Email: engineering@pure-elements.ca
 Website: www.pure-elements.ca

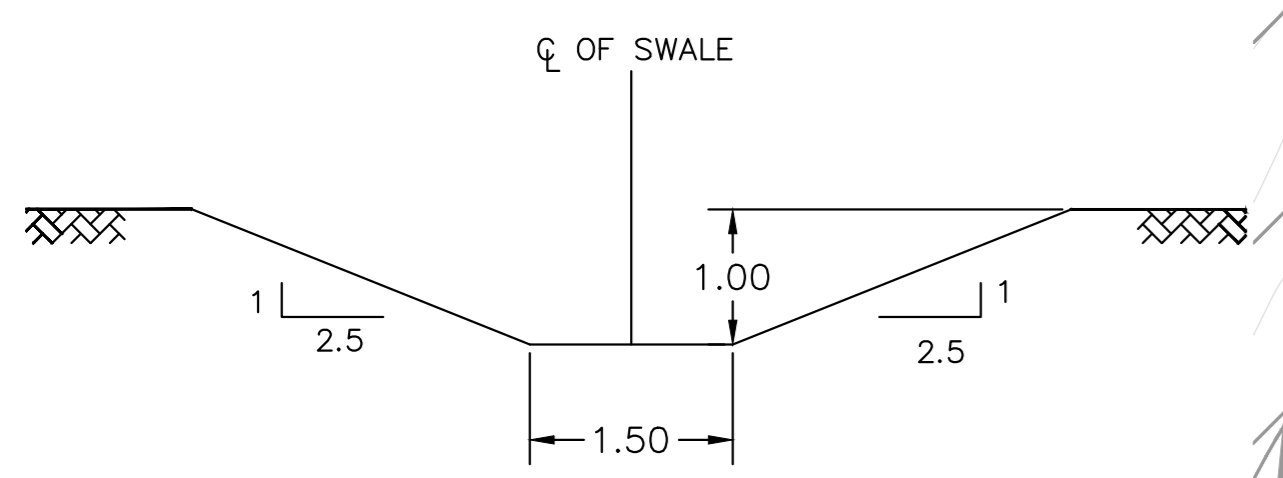
DRAWING TITLE:
STABILIZATION PONDS PLAN

PROJECT NO: 330-2015
DATE: February 05, 2016
DEPARTMENT: Civil
DRAWING NO: PE-330-002-2015
SCALE: 1:400
DRWN BY: AA **APPR BY:** TC
CHEKD BY: TC **REVISION:** 0

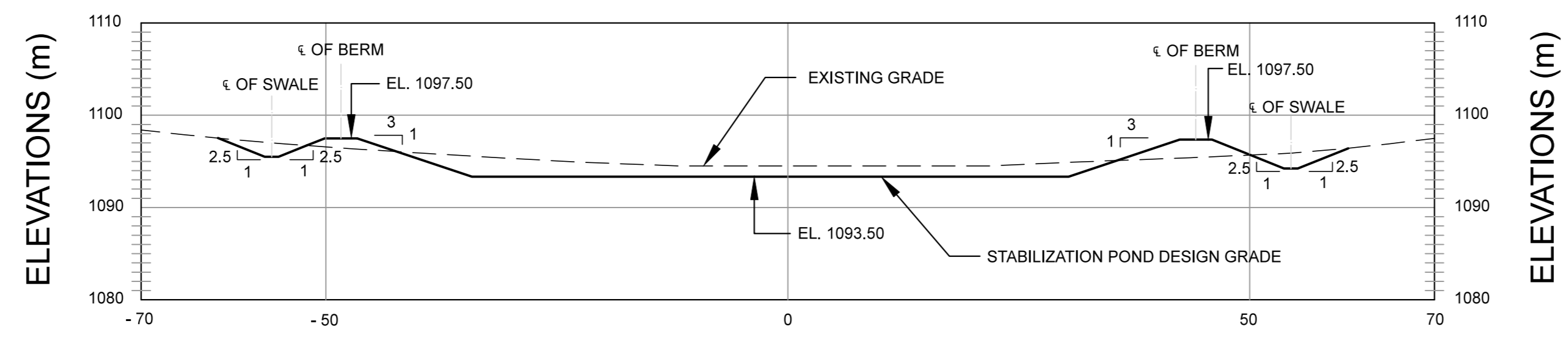
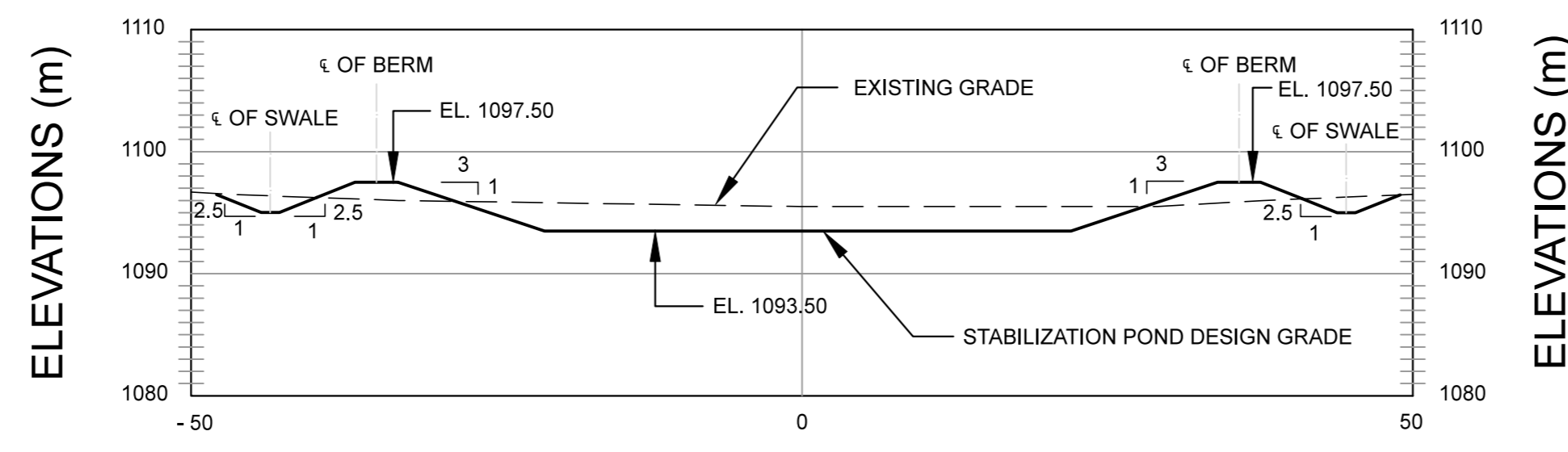
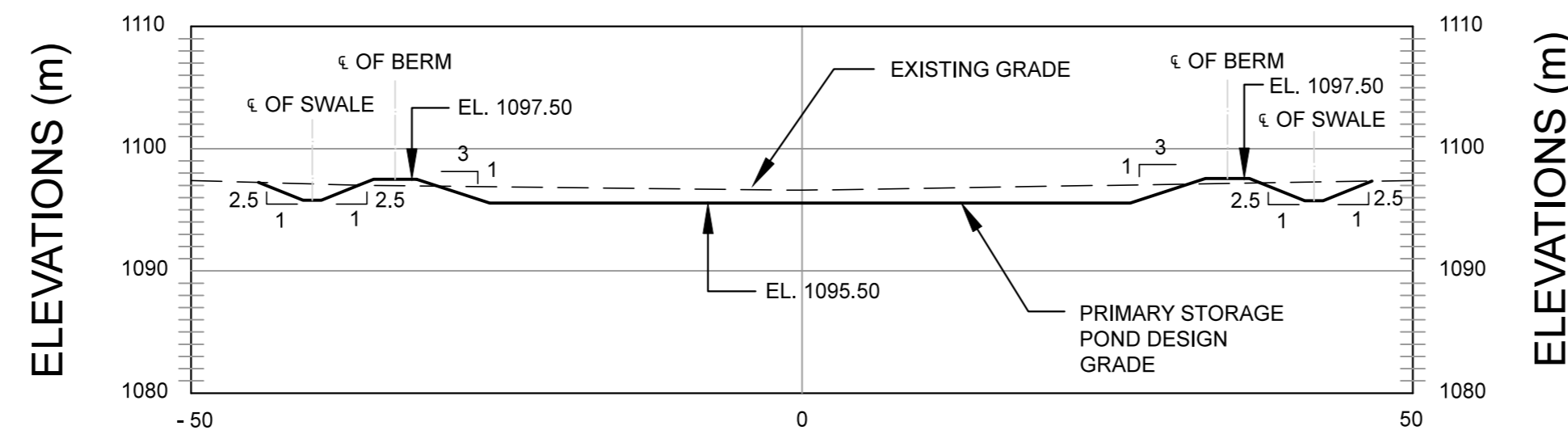
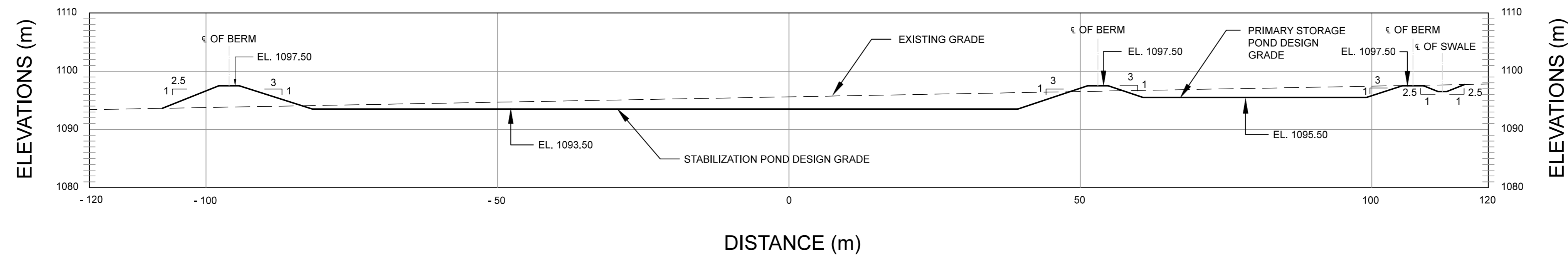
SHEET NO:
002



BERM AND LINER DETAIL
SCALE = 1:100



DRAINAGE SWALE DETAIL
SCALE = 1:100



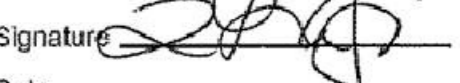
ALL rights reserved. This is a copyright drawing and shall not be reproduced, revised, or used in whole or in part, in any form or by any means, without written permission from A Designs Inc.
This drawing must not be scaled. All dimensions to be checked on site.

PROJECT TITLE:
THE SPRINGS AT DEWINTON

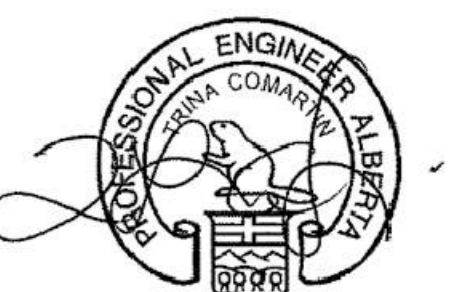
GENERAL NOTES:
1. ALL DIMENSIONS AND COORDINATES ARE IN METERS UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES:

PERMIT TO PRACTICE STAMP:

PERMIT TO PRACTICE
821981 ALBERTA LTD. OF PURE ELEMENTS
Signature: 
Date: _____
PERMIT NUMBER: P 9848
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

ENGINEER'S STAMP:




REFERENCE DRAWINGS:
PE-330-001-2015
PE-330-002-2015
PE-330-004-2015

REV.	DATE	DESCRIPTION	BY	CHK	APP
0	05.02.16	ISSUED FOR CONSTRUCTION	AA	TC	TC
A	08.01.16	PRELIMINARY	AA	TC	TC

CLIENT:
THE SPRINGS AT DEWINTON

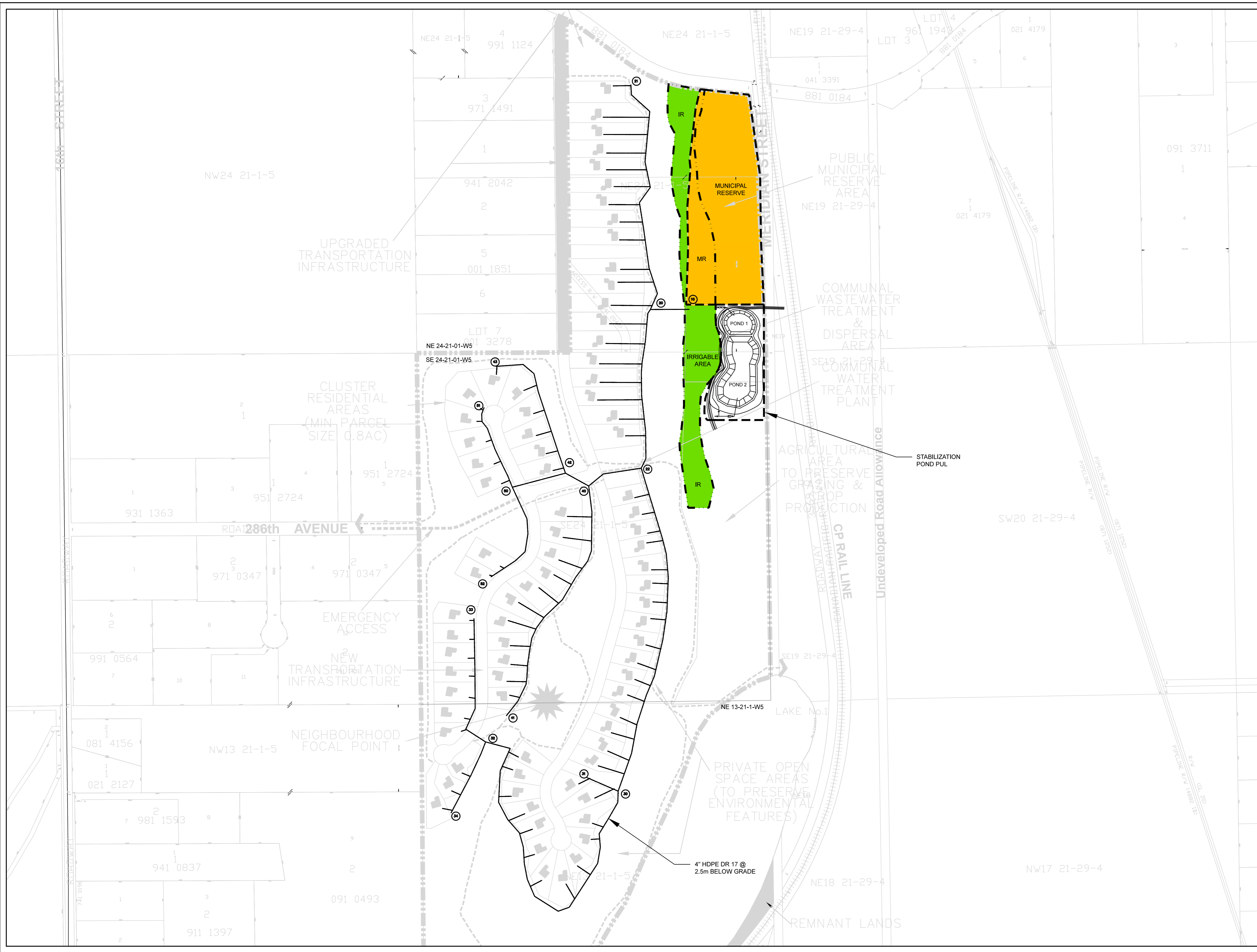
ADDRESS:
Mailing Address:
Suite 1, Comp. 77 PR1
De Winton, AB T0L 0X0
Phone: (403) 995-2474
Email: engineering@pure-elements.ca
Website: www.pure-elements.ca



Pure Elements
Environmental Solutions
Design • Build • Operate
pureelements.ca

DRAWING TITLE:
STABILIZATION & PRIMARY STORAGE POND SECTIONS

PROJECT NO: 330-2015	SHEET NO:
DATE: December 8, 2015	003
DEPARTMENT: Civil	
DRAWING NO: PE-330-003-2015	
SCALE: 1:500	
DRWN BY: AA	APPR BY: TC
CHEKD BY: TC	REVISION: 0



ALL rights reserved. This is a copyright drawing and shall not be reproduced, revised, or used in whole or in part, in any form or by any means, without written permission from A Designs Inc.

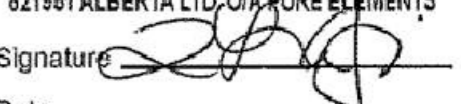
This drawing must not be scaled. All dimensions to be checked on site.

PROJECT TITLE:
THE SPRINGS AT DEWINTON


GENERAL NOTES:
1. ALL DIMENSIONS AND COORDINATES ARE IN METERS UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES:

PERMIT TO PRACTICE STAMP:

PERMIT TO PRACTICE
821981 ALBERTA LTD. OF PURE ELEMENTS
Signature: 
Date: _____
PERMIT NUMBER: P 9848
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

ENGINEER'S STAMP:




REFERENCE DRAWINGS:
PE-330-001-2015
PE-330-002-2015
PE-330-003-2015

REV.	DATE	DESCRIPTION	BY	CHK	APP
0	05.02.16	ISSUED FOR CONSTRUCTION	AA	TC	TC
A	08.01.16	PRELIMINARY	AA	TC	TC

CLIENT:
THE SPRINGS AT DEWINTON

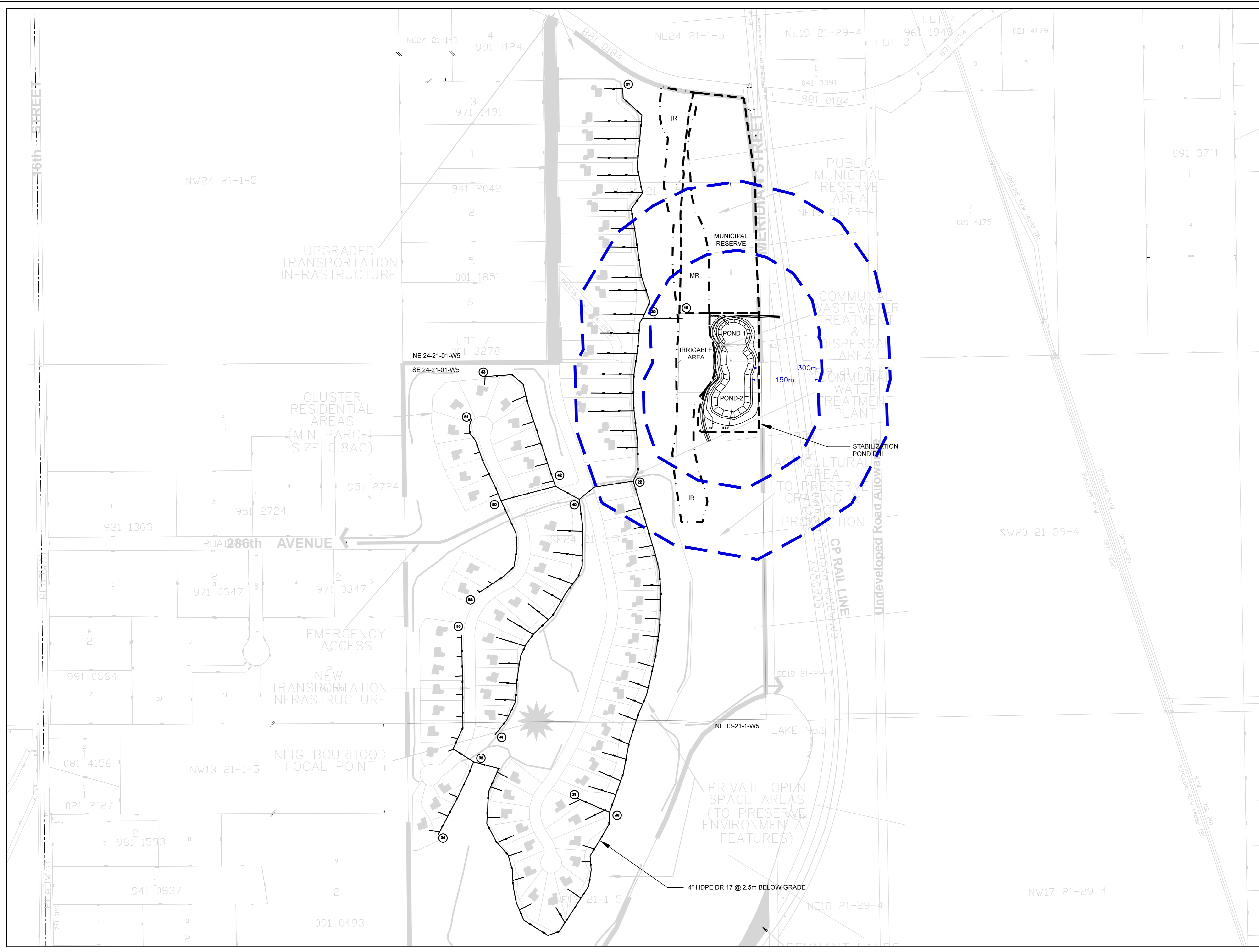
ADDRESS:
Mailing Address:
Suite 1, Comp. 77 PR1
De Winton, AB T0L 0X0
Phone: (403) 995-2474
Email: engineering@pure-elements.ca
Website: www.pure-elements.ca



Pure Elements
Environmental Solutions
Design • Build • Operate
pureelements.ca

DRAWING TITLE:
EFFLUENT SEWER COLLECTION SYSTEM

PROJECT NO: 330-2015	SHEET NO:
DATE: February 05, 2016	004
DEPARTMENT: Civil	
DRAWING NO: PE-330-004-2015	
SCALE: 1:500	
DRWN BY: AA	APPR BY: TC
CHEKD BY: TC	REVISION: 0



ALL rights reserved. This is a copyright drawing and shall not be reproduced, revised, or used in whole or in part, in any form or by any means, without written permission from A Designs Inc.


This drawing must not be scaled. All dimensions to be checked on site.

PROJECT TITLE:
THE SPRINGS AT DEWINTON

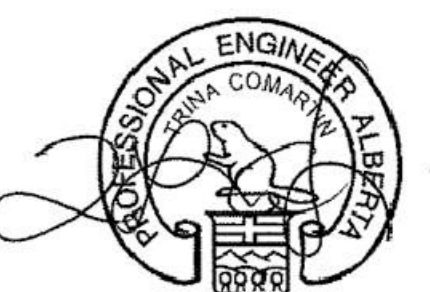
GENERAL NOTES:
1. ALL DIMENSIONS AND COORDINATES ARE IN METERS UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES:

PERMIT TO PRACTICE STAMP:

PERMIT TO PRACTICE
821961 ALBERTA LTD. OF PURE ELEMENTS
Signature: 
Date: _____
PERMIT NUMBER: P 9848
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

ENGINEER'S STAMP:




REFERENCE DRAWINGS:
PE-330-001-2015
PE-330-002-2015
PE-330-003-2015
PE-330-004-2015

REV.	DATE	DESCRIPTION	BY	CHK	APPR
0	05.02.16	ISSUED FOR CONSTRUCTION	AA	TC	TC
A	08.01.16	PRELIMINARY	AA	TC	TC

CLIENT:
THE SPRINGS AT DEWINTON

ADDRESS:
Mailing Address:
Suite 1, Comp. 77 PR1
De Winton, AB T0L 0X0
Phone: (403) 995-2474
Email: engineering@pure-elements.ca
Website: www.pure-elements.ca



Pure Elements
Environmental Solutions
Design • Build • Operate
pureelements.ca

DRAWING TITLE:
STABILIZATION PONDS 300m SETBACK PLAN

PROJECT NO: 330-2015	SHEET NO:
DATE: February 05, 2016	005
DEPARTMENT: Civil	
DRAWING NO: PE-330-004-2015	
SCALE: 1:400	
DRWN BY: AA	APPR BY: TC
CHEKD BY: TC	REVISION: 0