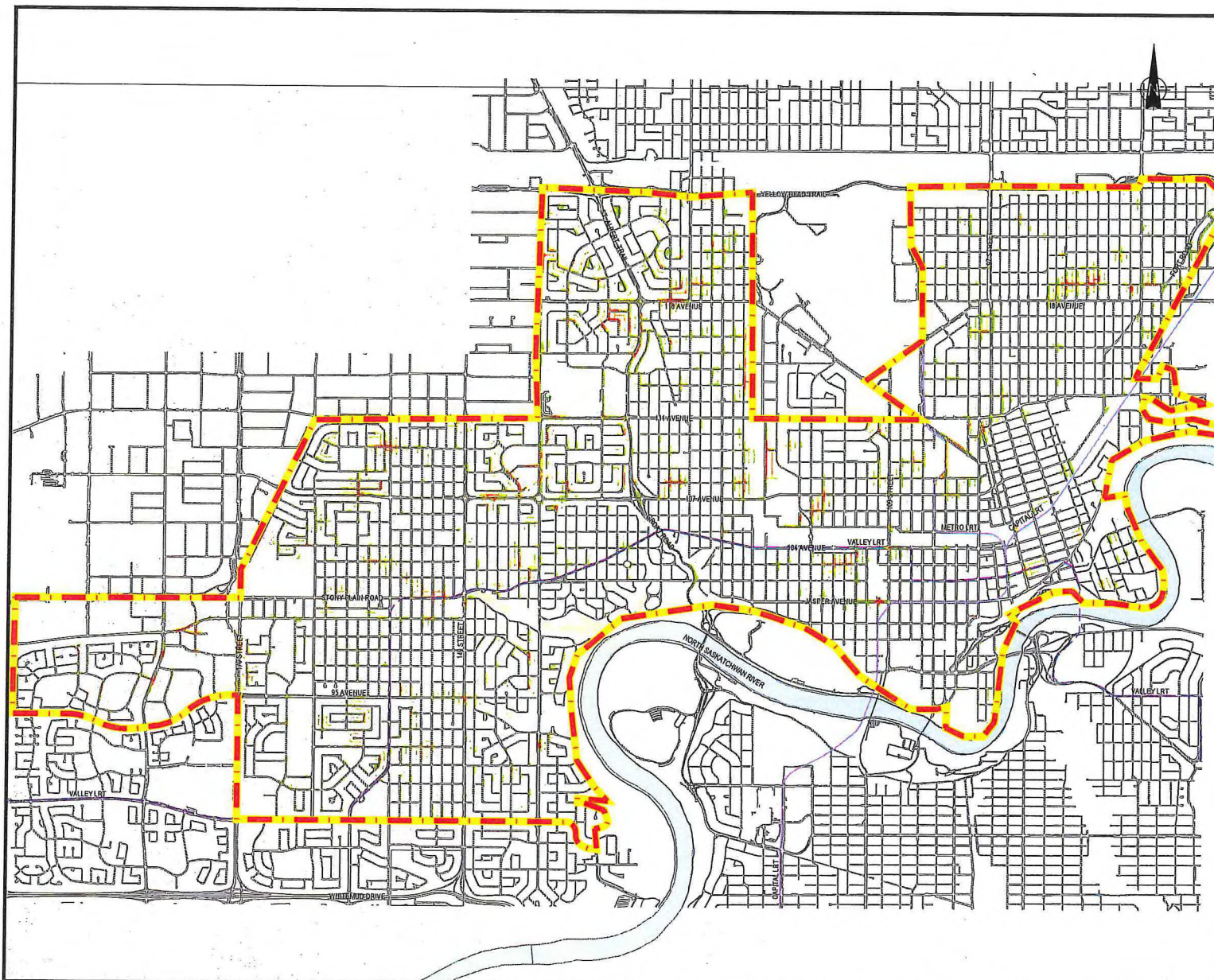
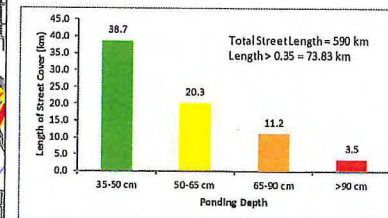




LEGEND

PHASE 1 BOUNDARY



Prepared By:

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Email: services@sameng.com

Client:

THE CITY OF
Edmonton

Project:

**CITY-WIDE FLOOD MITIGATION ASSESSMENT
(PHASE 1)**

Title:

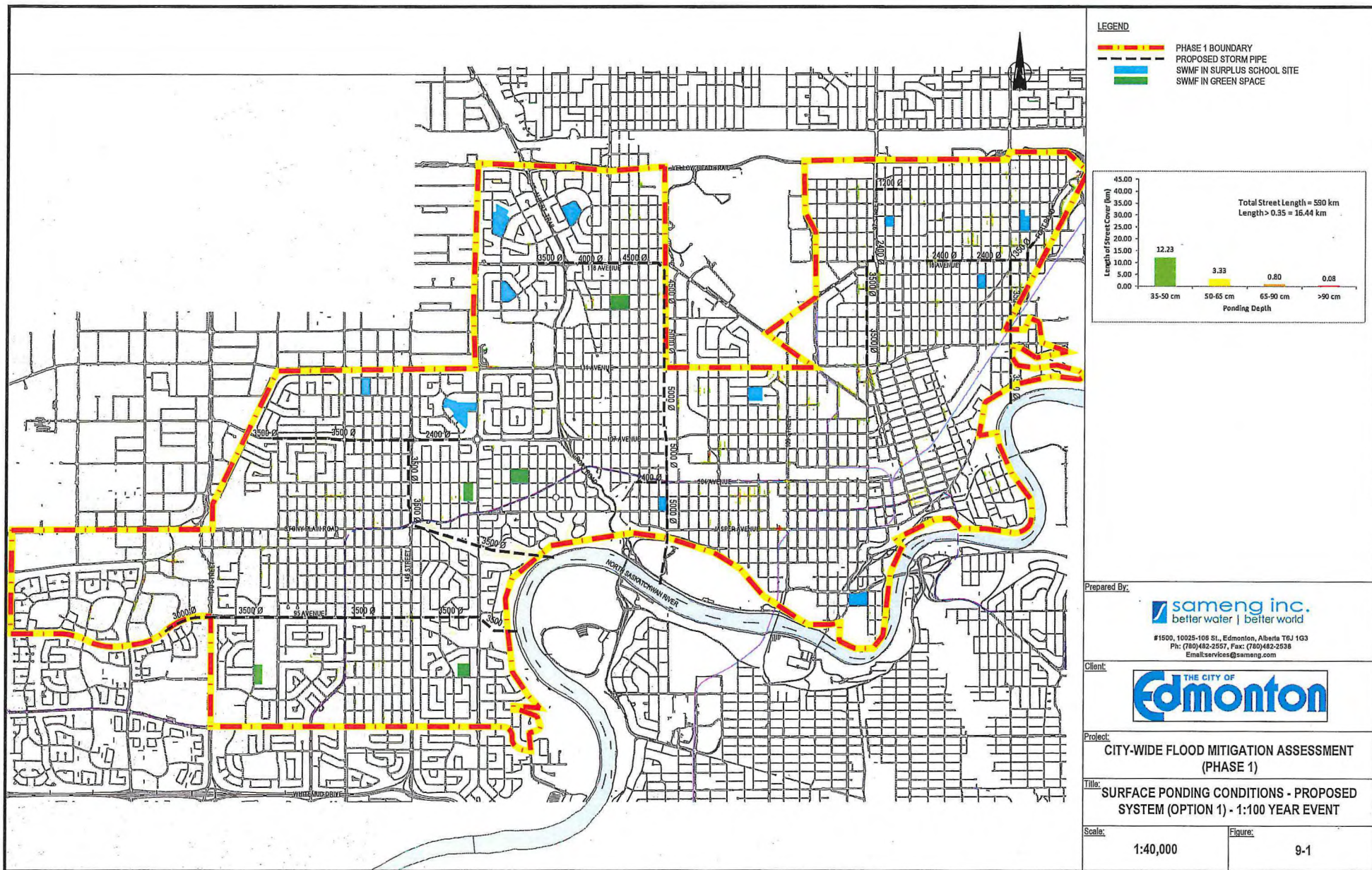
SURFACE PONDING 1:100 YEAR EVENT

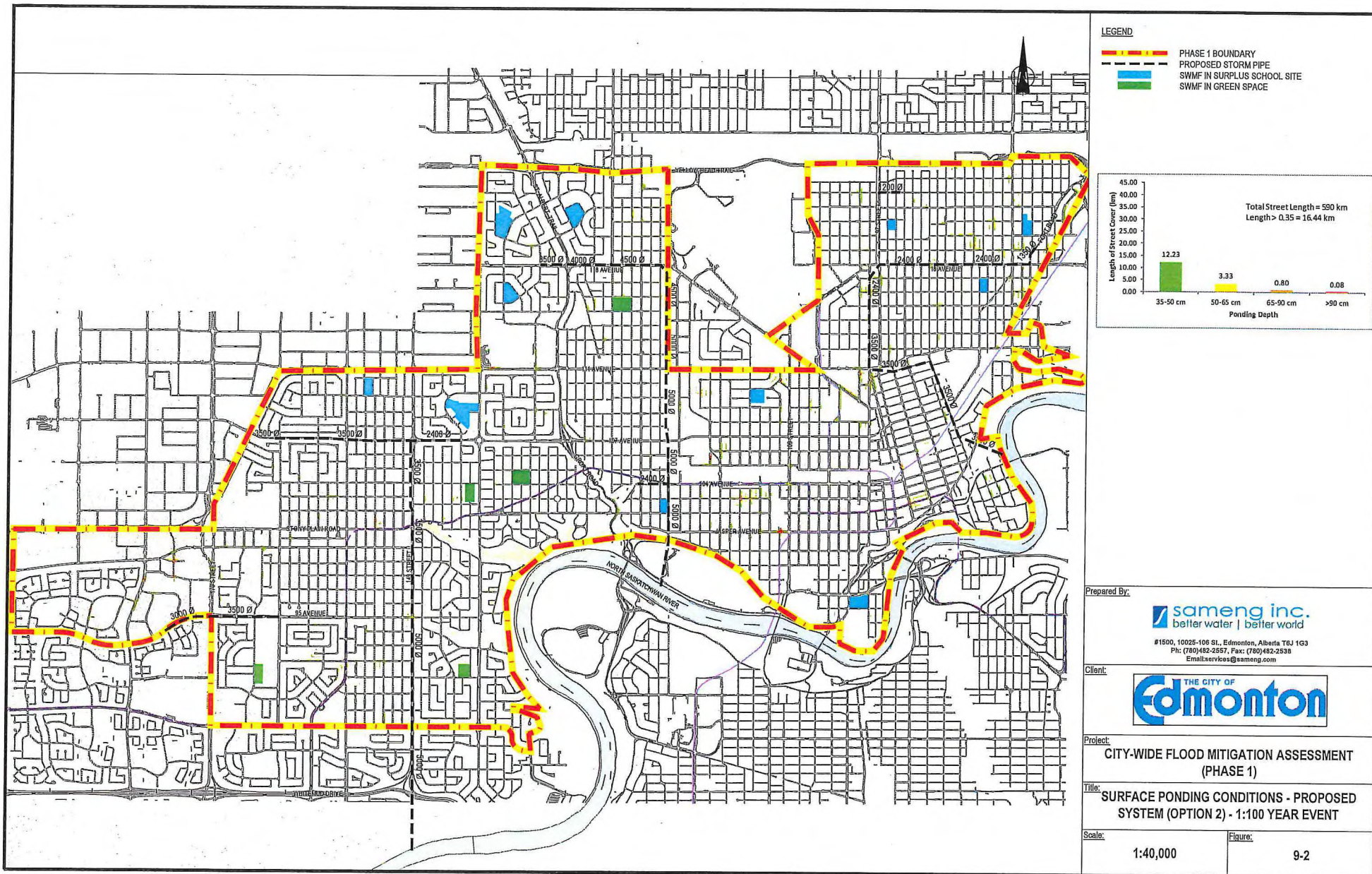
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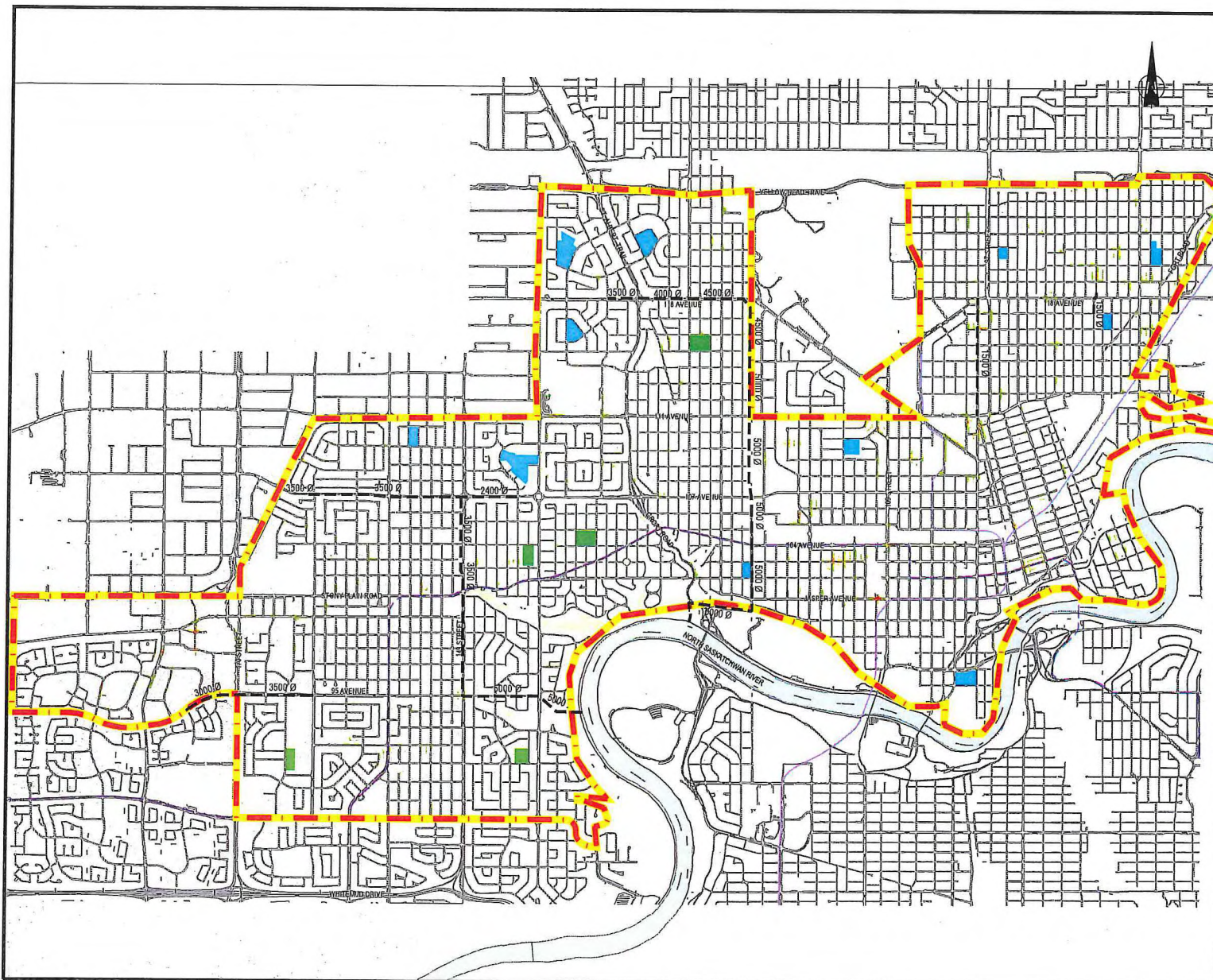
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Figure:

7-6

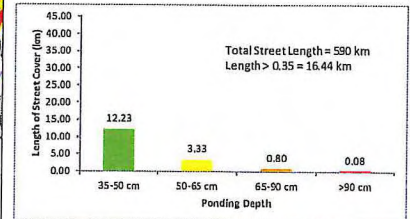






LEGEND

- PHASE 1 BOUNDARY
- PROPOSED STORM PIPE
- SWMF IN SURPLUS SCHOOL SITE
- SWMF IN GREEN SPACE



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Project:

**CITY-WIDE FLOOD MITIGATION ASSESSMENT
(PHASE 1)**

Title:

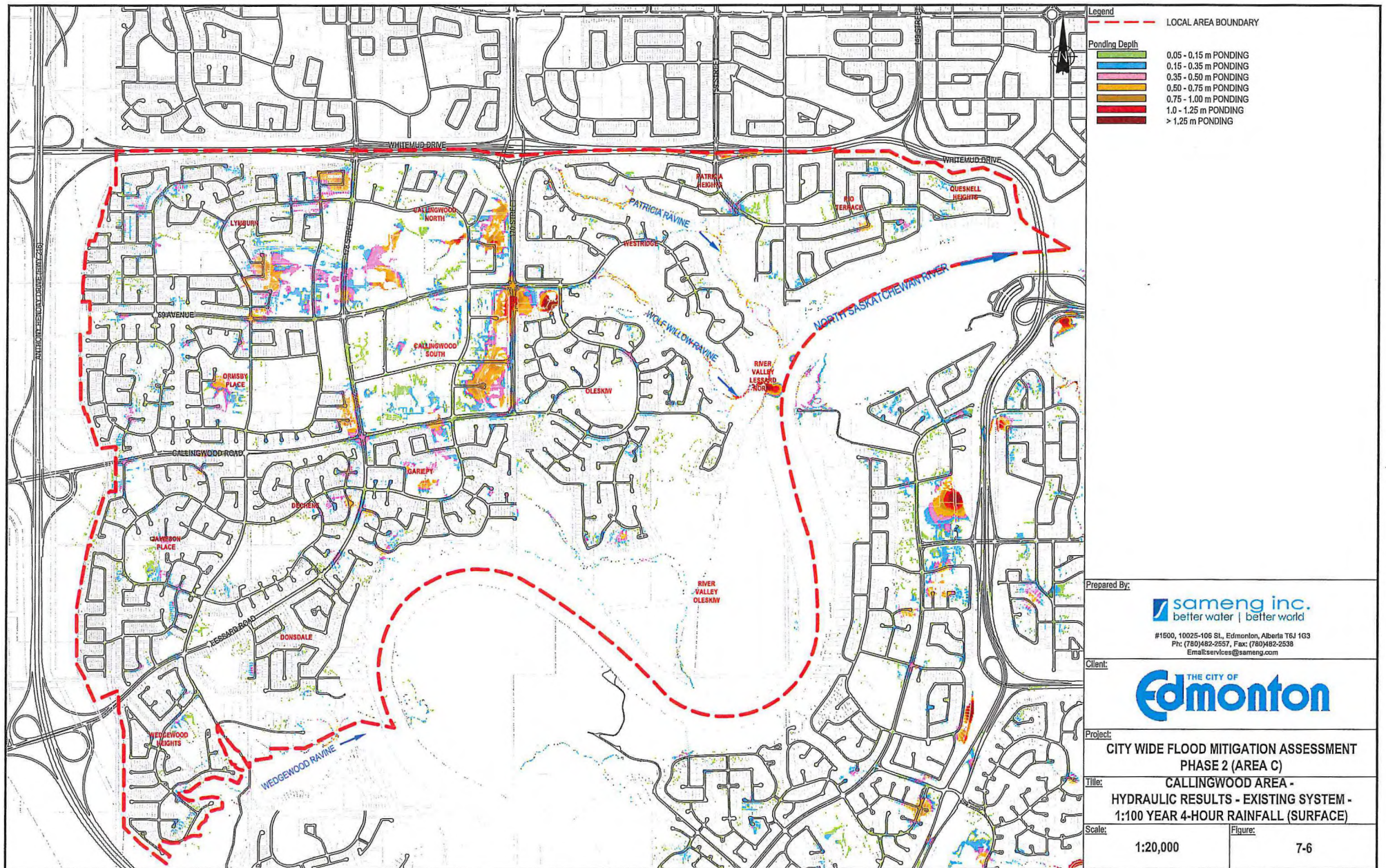
**SURFACE PONDING CONDITIONS - PROPOSED
SYSTEM (OPTION 3) - 1:100 YEAR EVENT**

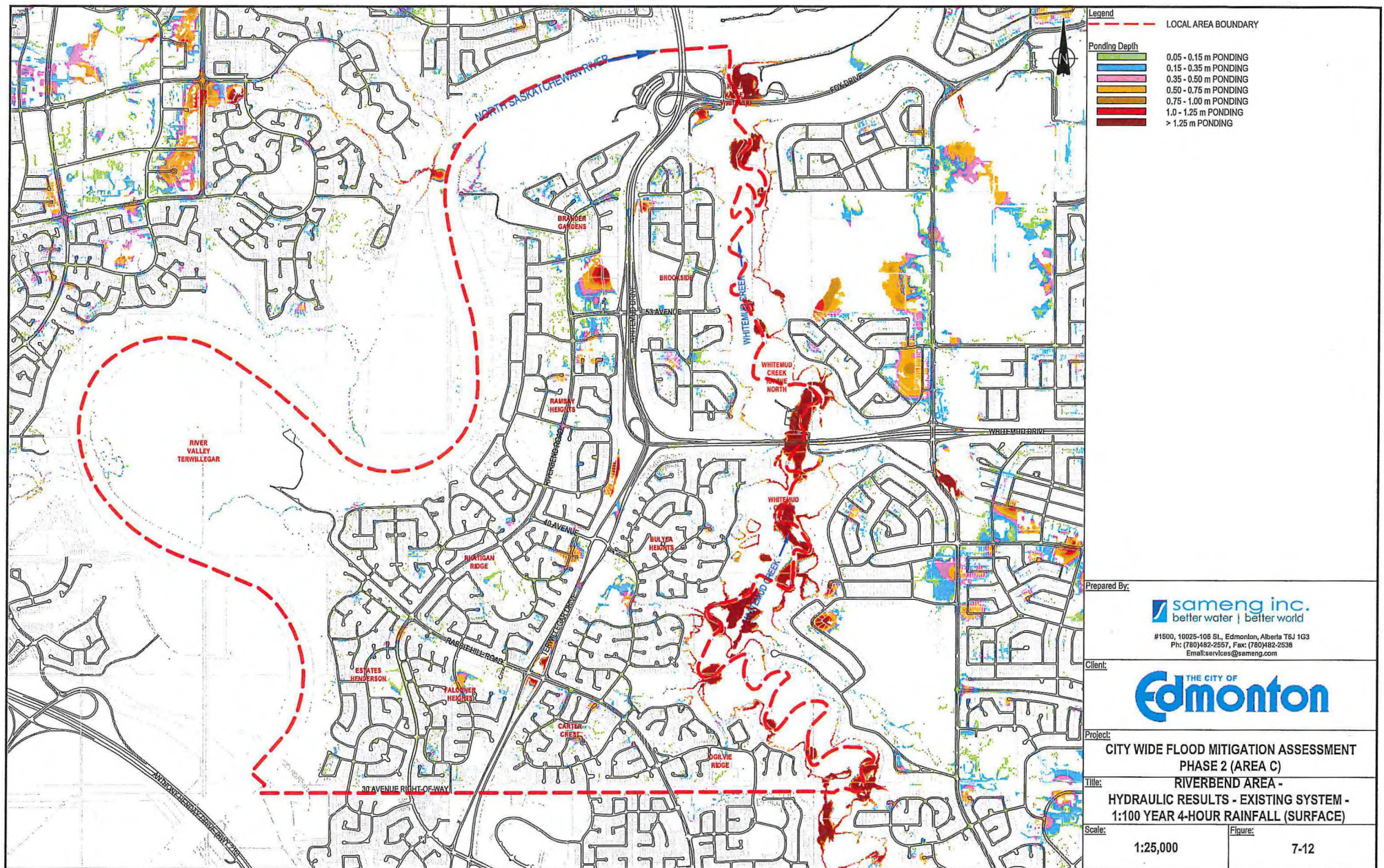
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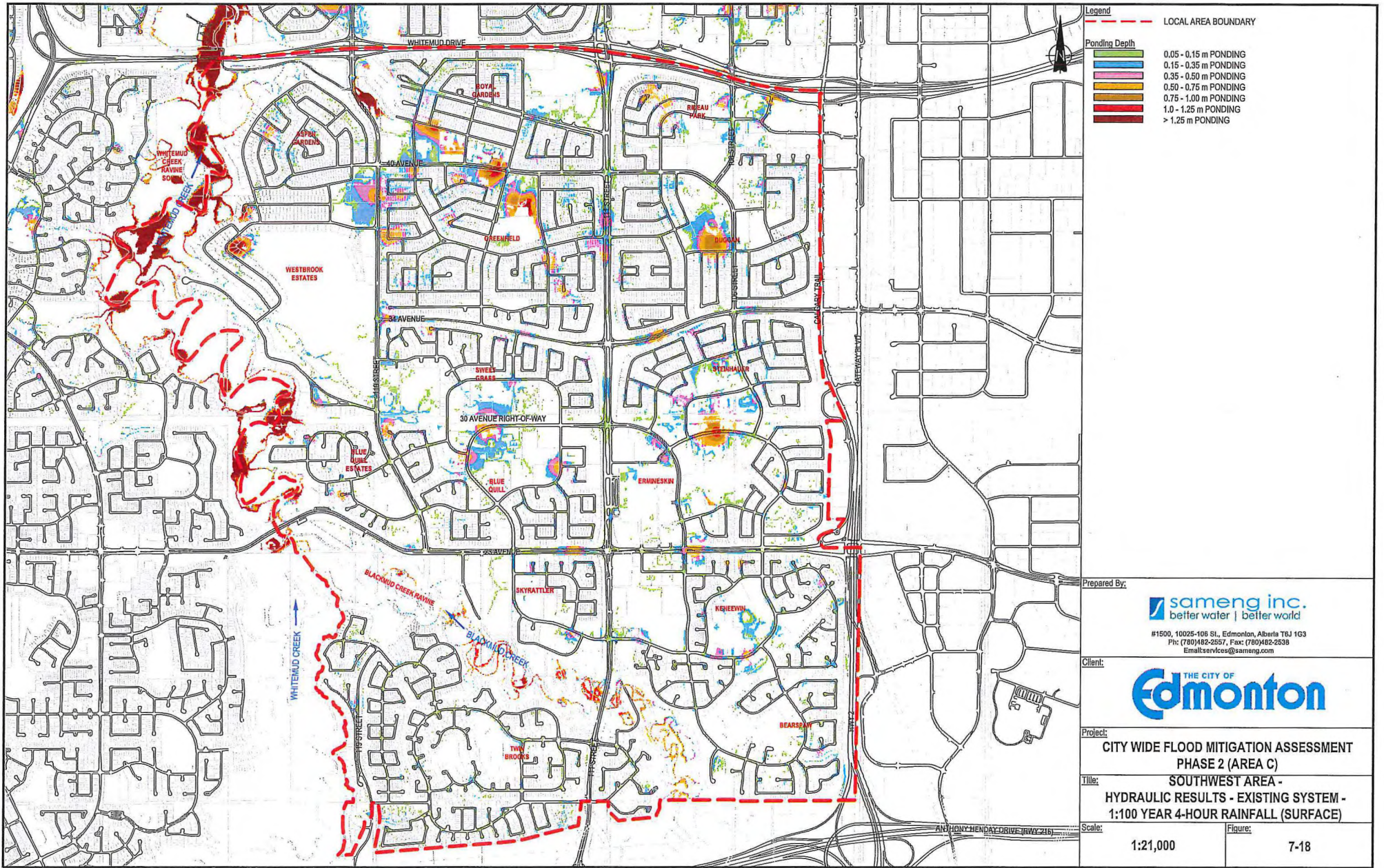
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Figure:

9-3







Legend

LOCAL AREA BOUNDARY

Ponding Depth

- 0.05 - 0.15 m PONDING
- 0.15 - 0.35 m PONDING
- 0.35 - 0.50 m PONDING
- 0.50 - 0.75 m PONDING
- 0.75 - 1.00 m PONDING
- 1.0 - 1.25 m PONDING
- > 1.25 m PONDING

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**THE CITY OF
Edmonton**

Project:

**CITY WIDE FLOOD MITIGATION ASSESSMENT
PHASE 2 (AREA C)**

Title:

**SOUTHWEST AREA -
HYDRAULIC RESULTS - EXISTING SYSTEM -
1:100 YEAR 4-HOUR RAINFALL (SURFACE)**

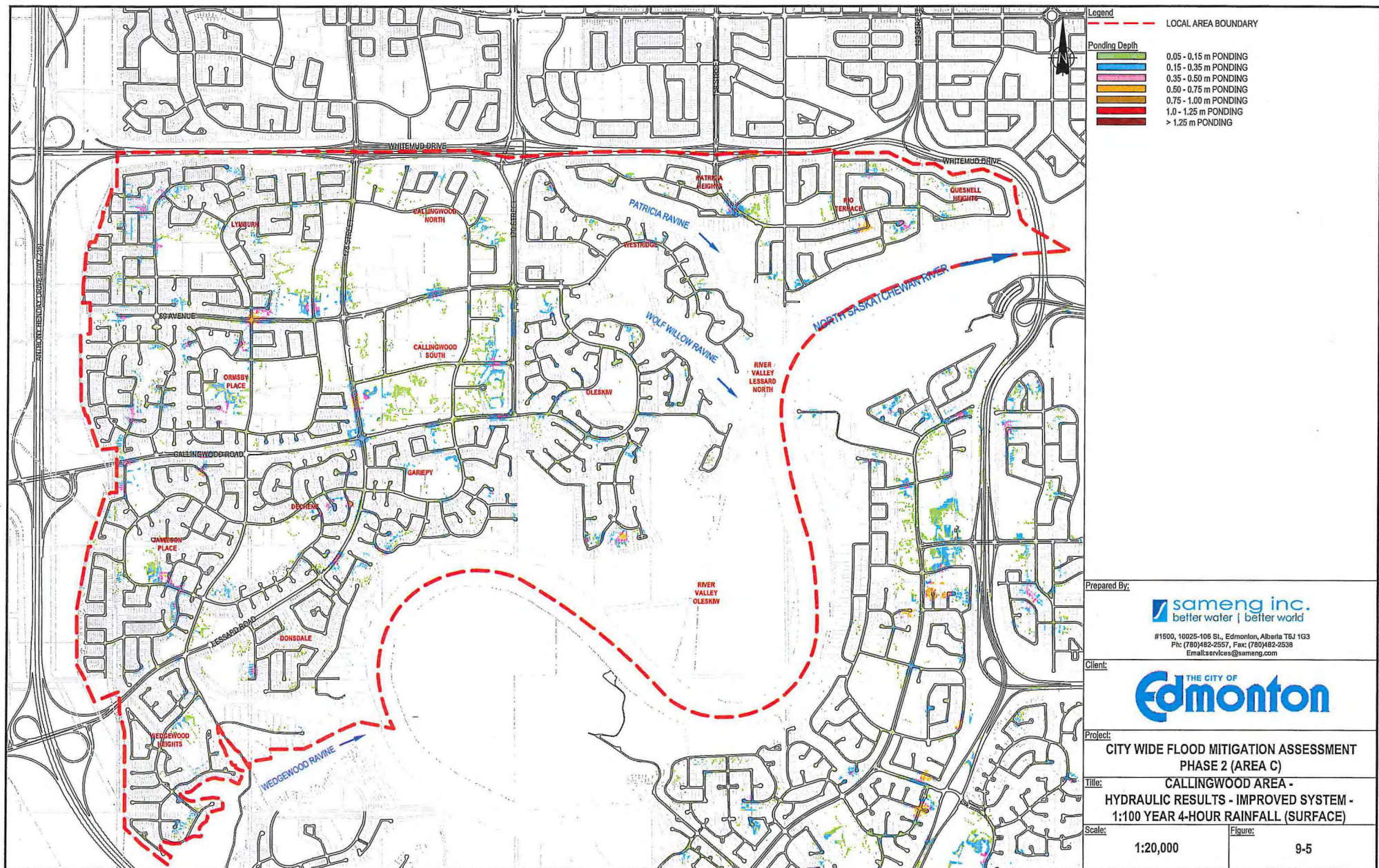
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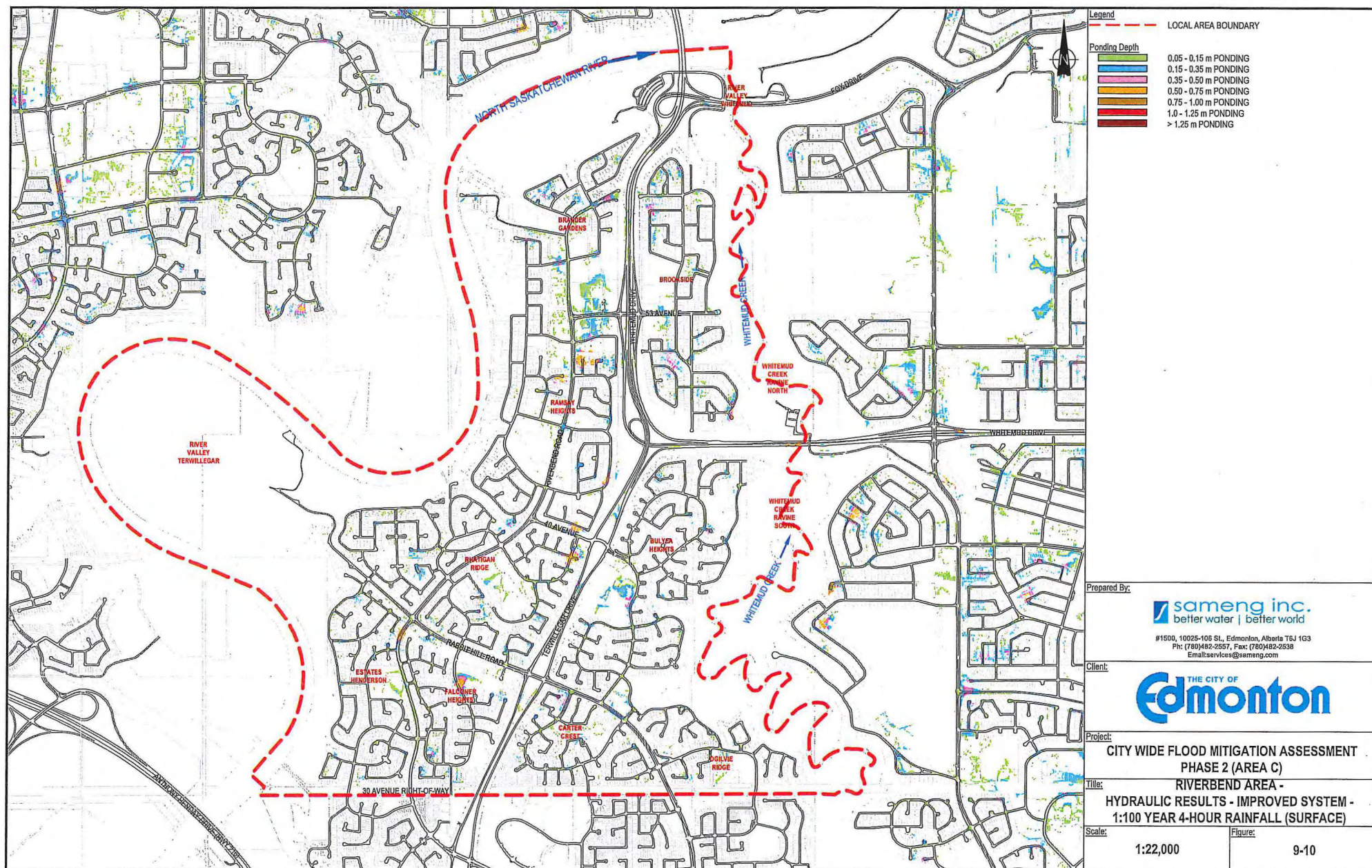
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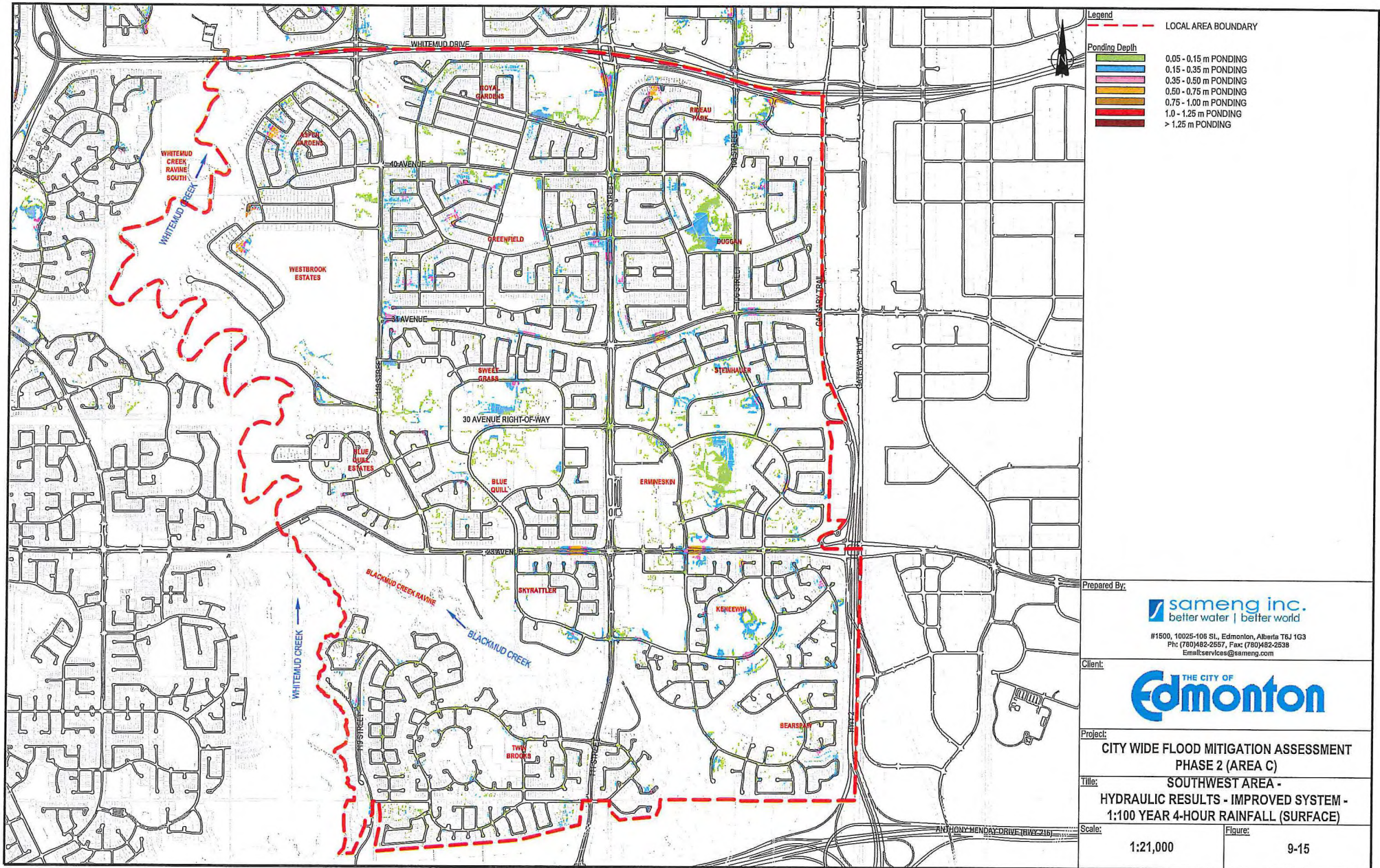
Figure:

7-18









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Client:		
Project:	CITY WIDE FLOOD MITIGATION ASSESSMENT PHASE 2 (AREA C)	
Title:	SOUTHWEST AREA - HYDRAULIC RESULTS - IMPROVED SURFACE - 1:100 YEAR 4-HOUR RAINFALL (SURFACE)	
Scale:	1:21,000	Figure: 9-15



Legend

--- LOCAL AREA BOUNDARY

Ponding Depth

0.05 - 0.15 m PONDING
0.15 - 0.35 m PONDING
0.35 - 0.50 m PONDING
0.50 - 0.75 m PONDING
0.75 - 1.00 m PONDING
1.0 - 1.25 m PONDING
> 1.25 m PONDING

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Client:

Project:

**CITY WIDE FLOOD MITIGATION ASSESSMENT
 PHASE 2 (AREA C)**

Title:

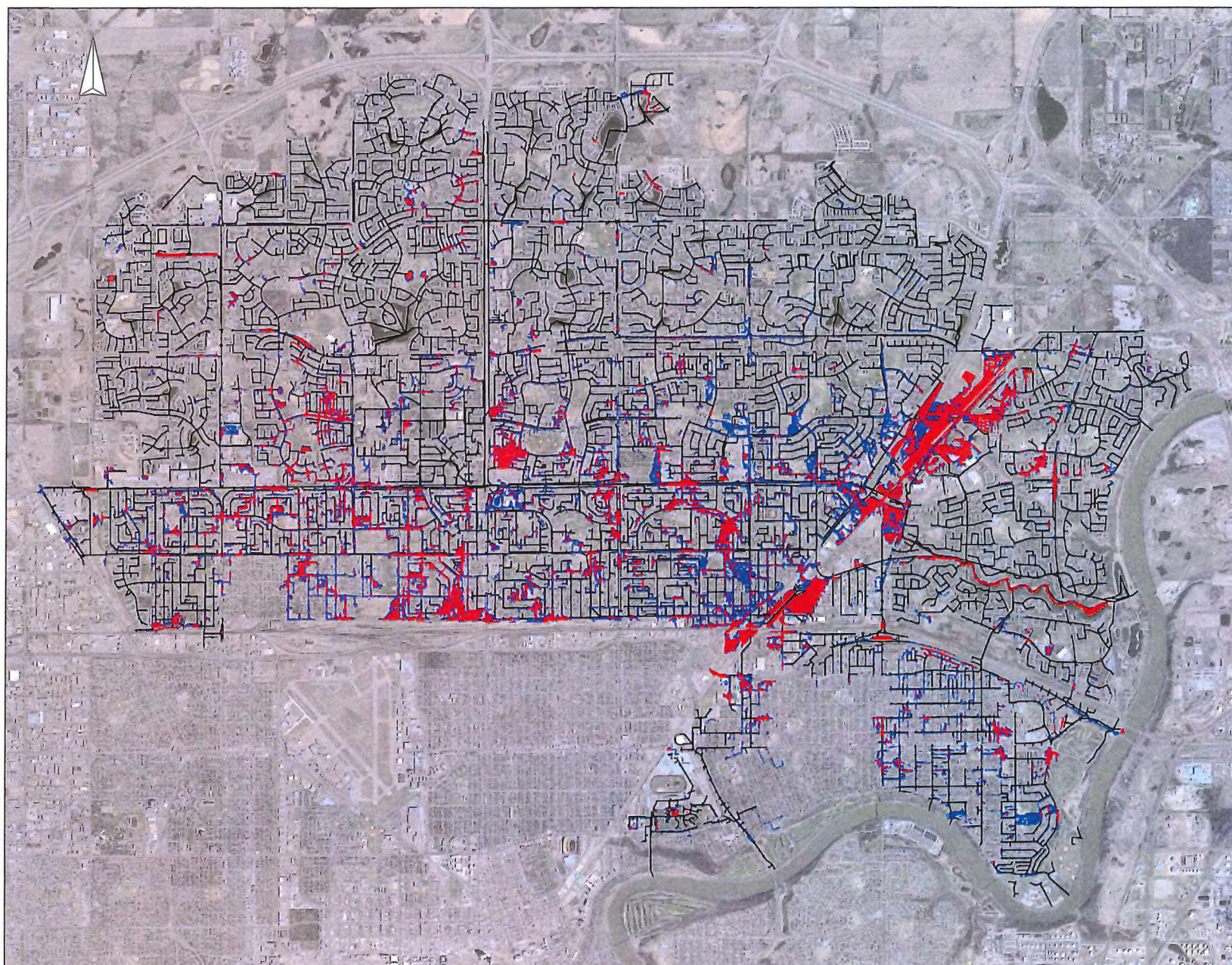
**BONNIE DOON / GOLD BAR AREA -
 HYDRAULIC RESULTS - IMPROVED SYSTEM -
 1:100 YEAR 4-HOUR RAINFALL (SURFACE)**

Scale:

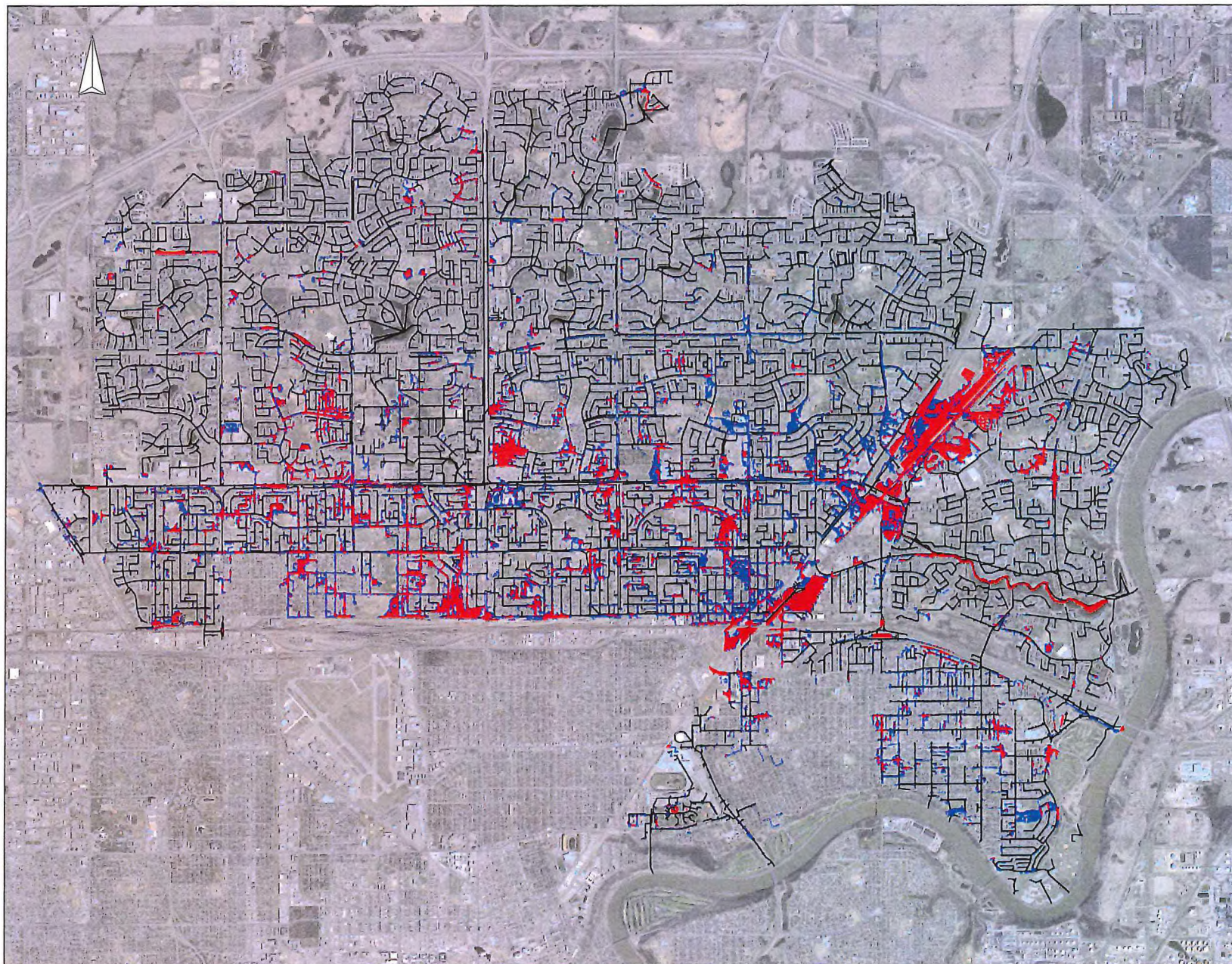
1:25,000

Figure:

9-25

 0 - 0.15

DRAWING NUMBER	REV. NO.	SHEET
FIGURE ES-2		



LEGEND

- Storm Conveyance
- Major Level of Service
Depth (m)

> 0.35
0 - 0.15

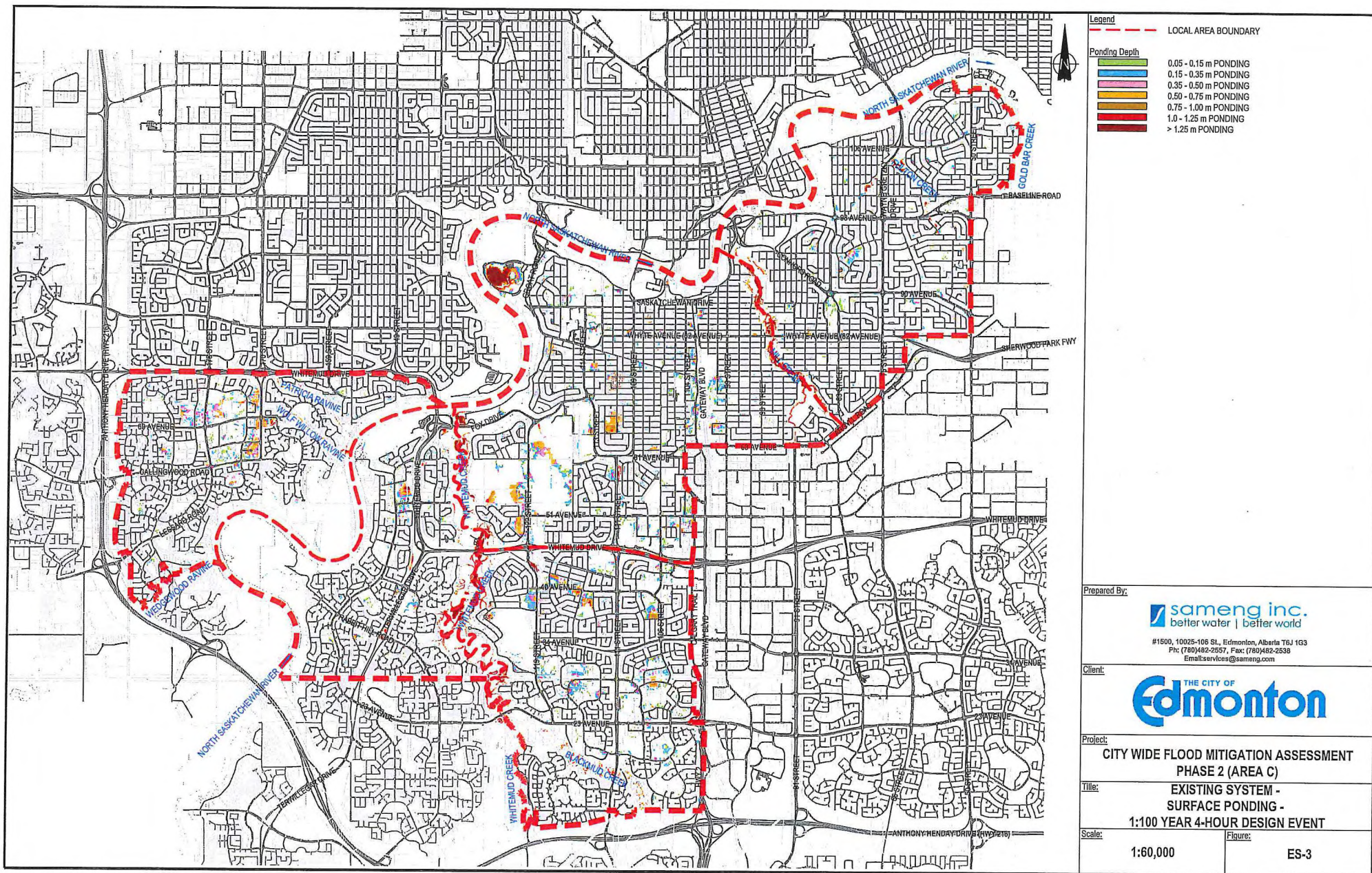
SCALE:	1:45,000		
PROJECT NO.	2015-3390	INITIAL	DATE
DRAWN		EA	16-03-31
DESIGNED			
CHECKED			
APPROVED			
PROJECTION:	3TM 144 NAD 83		

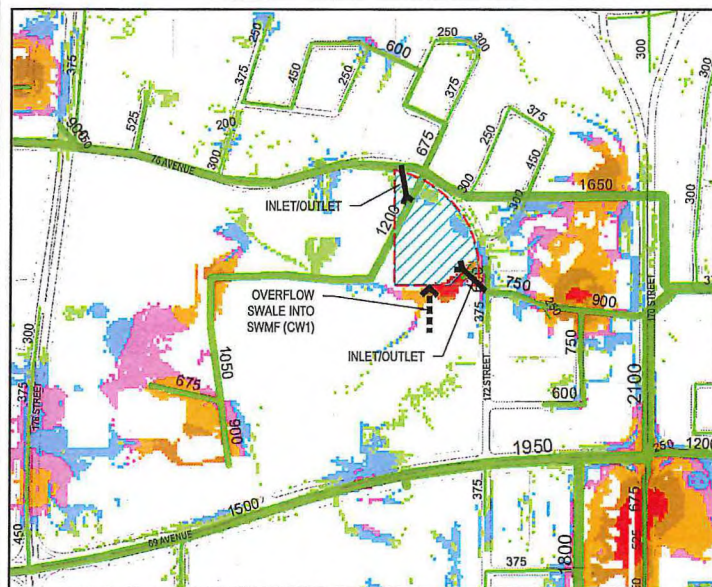


CITY-WIDE
FLOOD MITIGATION ASSESSMENT
(PHASE 2 - AREA B)

STORM
EXISTING CONDITION RESULTS
MAJOR SYSTEM LEVEL OF SERVICE
100-YEAR 4-HOUR STORM

DRAWING NUMBER	REV. NO.	SHEET
FIGURE 7-6		





PROPOSED SWMF IMPROVEMENTS AND PONDING DEPTHS
SCALE: 1:2000

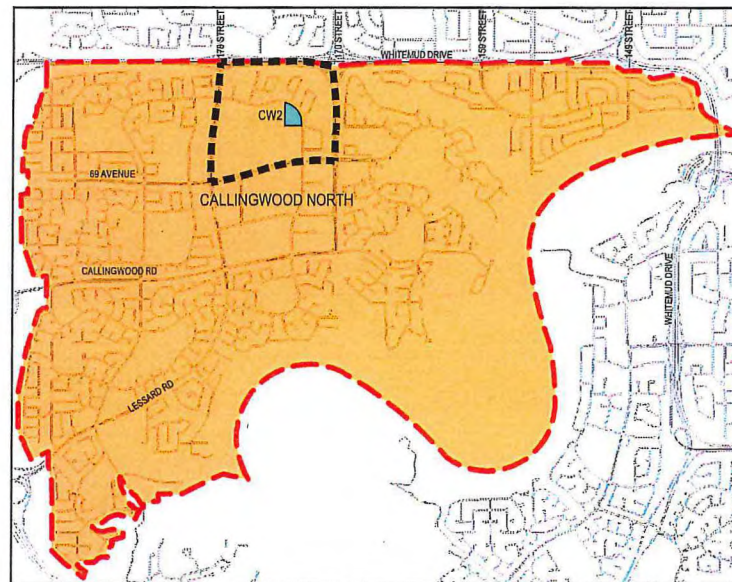


POND SITE AREA
SCALE: 1:2000

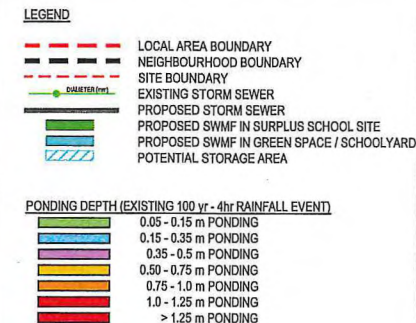
Pond ID	CW2
Neighbourhood	Callingwood North
Site Area (m ²)	22,000
Potential Storage Area (m ²)	21,000
Pond Storage Potential (m ³)**	38,500
Total Excavation Required (m ³)	40,000
Total Estimated Costs*	\$ 8,136,000
Price/Storage (\$/m ³)	\$ 211

Main purpose of SWMF: Surge pond for 76 Avenue storm trunk. Should be designed as dual-use facility.

*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.
**Pond storage assumes 2 m water depth with 5:1 side slopes



KEY PLAN: CALLINGWOOD AREA
SCALE: 1:40,000



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Edmonton

Project:

**CITY WIDE FLOOD MITIGATION ASSESSMENT
PHASE 2 (AREA C)**

Title:

**PROPOSED SWMF
CW2 IN CALLINGWOOD AREA**

Scale:

AS SHOWN

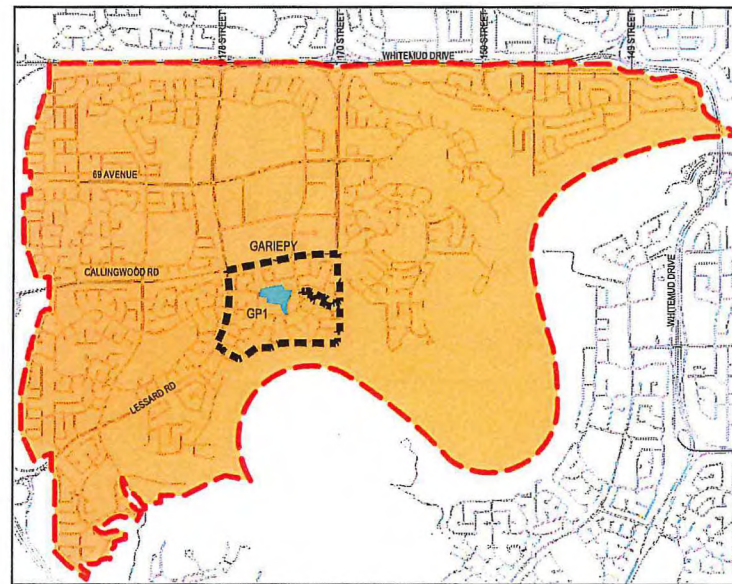
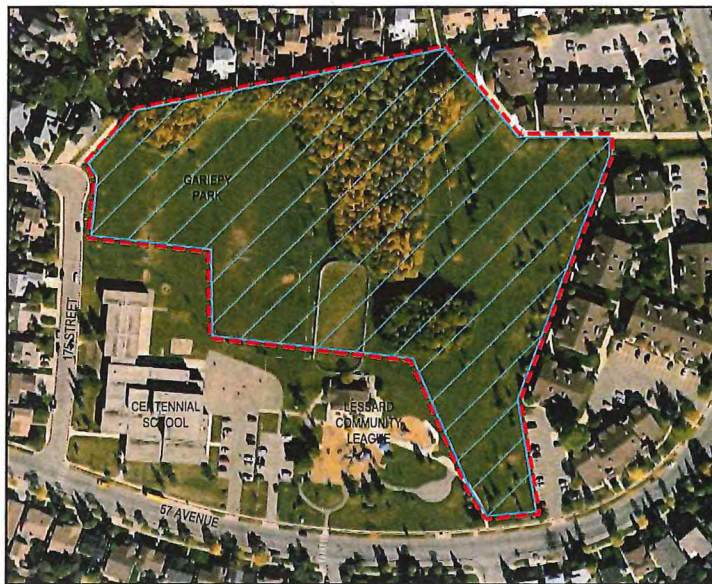
Figure:

C-2



Pond ID	GP1
Neighbourhood	Gariepy
Site Area (m ²)	36,000
Potential Storage Area (m ²)	34,500
Pond Storage Potential (m ³)**	56,900
Total Excavation Required (m ³)	103,000
Total Estimated Costs*	\$ 15,244,000
Price/Storage (\$/m ³)	\$ 268

*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.
 **Pond storage assumes 2 m water depth with 5:1 side slopes



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Project:

CITY WIDE FLOOD MITIGATION ASSESSMENT PHASE 2 (AREA C)

Tille:

**PROPOSED SWMF
GP1 IN CALLINGWOOD AREA**

Scale:

AS SHOWN

Figure:

C-3



PROPOSED SWMF IMPROVEMENTS AND PONDING DEPTHS
SCALE: 1:5000



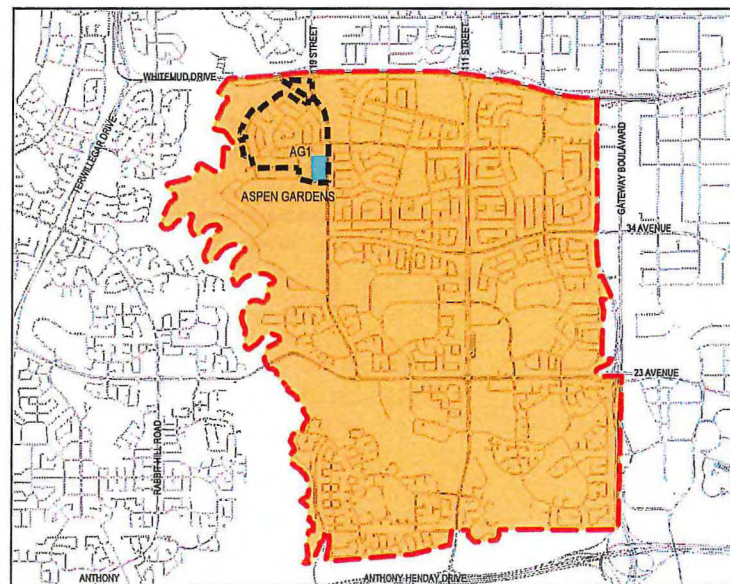
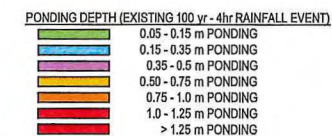
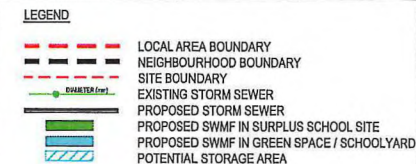
POND SITE AREA
SCALE: 1:2500

Pond ID	AG1
Neighbourhood	Aspen Gardens
Site Area (m ²)	39,000
Potential Storage Area (m ²)	37,500
Pond Storage Potential (m ³)**	60,300
Total Excavation Required (m ³)	138,000
Total Estimated Costs*	\$ 19,969,000
Price/Storage (\$/m ³)	\$ 331

Main purpose of SWMF: Surge pond for local sewer.
Should be designed as dual-use facility.

*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.

**Pond storage assumes 2 m water depth with 5:1 side slopes



KEY PLAN: SOUTHWEST AREA
SCALE: 1:40,000

Prepared By:



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Client:



Project:

CITY WIDE FLOOD MITIGATION ASSESSMENT
PHASE 2 (AREA C)

Title:

PROPOSED SWMF
AG1 IN SOUTHWEST AREA

Scale:

AS SHOWN

Figure:

C-4

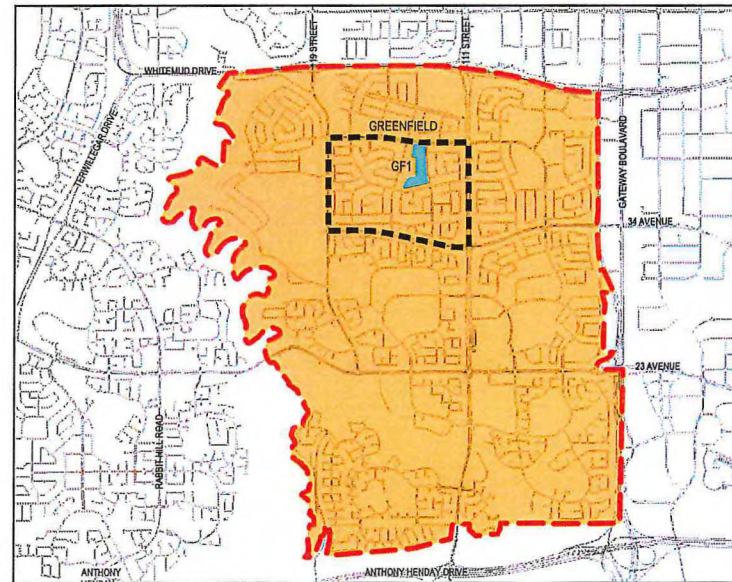
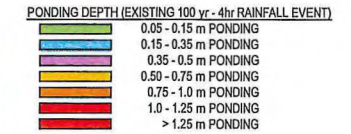
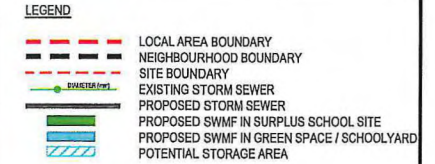


PROPOSED SWMF IMPROVEMENTS AND PONDING DEPTHS
SCALE: 1:3000



POND SITE AREA
SCALE: 1:5000

Pond ID	GF1
Neighbourhood	Greenfield
Site Area (m ²)	66,000
Potential Storage Area (m ²)	57,500
Pond Storage Potential (m ³)**	72,800
Total Excavation Required (m ³)	270,000
Total Estimated Costs*	\$ 27,644,000
Price/Storage (\$/m ³)	\$ 380
Main purpose of SWMF: Surge pond for 40 Avenue and 112A Street storm sewers. Should be designed as dual-use facility.	
*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.	
**Pond storage assumes 2 m water depth with 5:1 side slopes	



KEY PLAN: SOUTHWEST AREA
SCALE: 1:40,000

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Client:		
Project:	CITY WIDE FLOOD MITIGATION ASSESSMENT PHASE 2 (AREA C)	
Title:	PROPOSED SWMF GF1 IN SOUTHWEST AREA	
Scale:	AS SHOWN	Figure: C-5

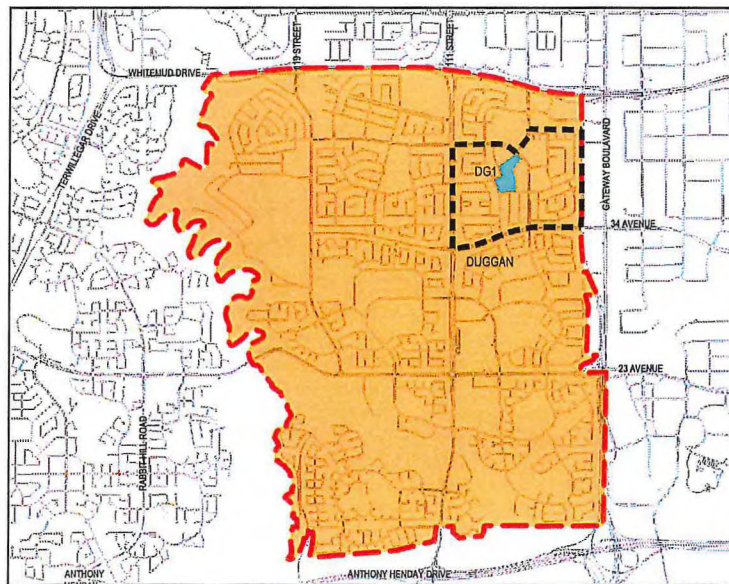


PROPOSED SWMF IMPROVEMENTS AND PONDING DEPTHS
SCALE: 1:8000

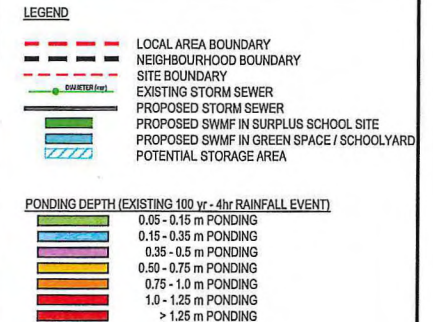


POND SITE AREA
SCALE: 1:4000

Pond ID	DG1
Neighbourhood	Duggan
Site Area (m ²)	61,000
Potential Storage Area (m ²)	59,000
Pond Storage Potential (m ³)**	105,800
Total Excavation Required (m ³)	151,000
Total Estimated Costs*	\$ 22,263,000
Price/Storage (\$/m ³)	\$ 210
Main purpose of SWMF: Surge pond for 40 Avenue and 106 Street storm trunks. Should be designed as dual-use facility.	
*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.	
**Pond storage assumes 2 m water depth with 5:1 side slopes	



KEY PLAN: SOUTHWEST AREA
SCALE: 1:40,000



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Client: **THE CITY OF Edmonton**

Project: **CITY WIDE FLOOD MITIGATION ASSESSMENT
PHASE 2 (AREA C)**

Title: **PROPOSED SWMF
DG1 IN SOUTHWEST AREA**

Scale: **AS SHOWN** Figure: **C-6**



PROPOSED SWMF IMPROVEMENTS AND PONDING DEPTHS
SCALE: 1:5000



POND SITE AREA
SCALE: 1:5000

Pond ID	SH1
Neighbourhood	Steinhauer
Site Area (m ²)	45,000
Potential Storage Area (m ²)	44,000
Pond Storage Potential (m ³)**	81,800
Total Excavation Required (m ³)	85,000
Total Estimated Costs*	\$ 15,446,000
Price/Storage (\$/m ³)	\$ 189

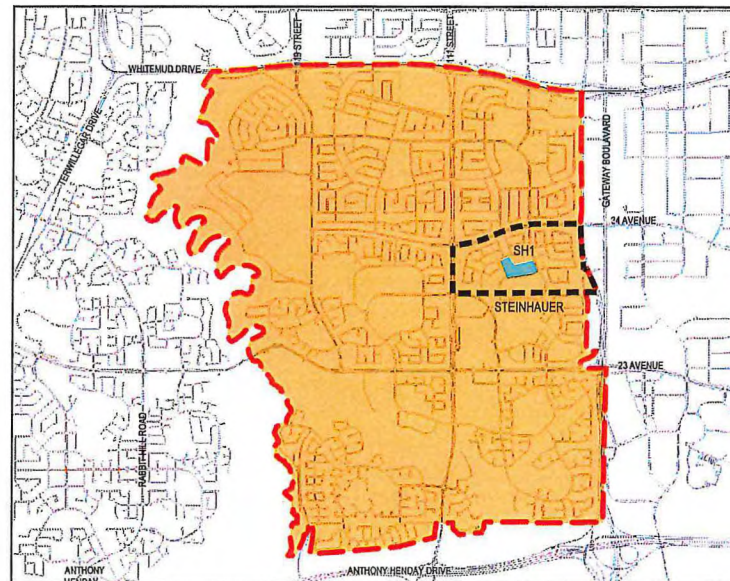
Main purpose of SWMF: Surge pond for 32A Avenue storm trunk. Should be designed as dual-use facility.

*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.
**Pond storage assumes 2 m water depth with 5:1 side slopes



LEGEND	
	LOCAL AREA BOUNDARY
	NEIGHBOURHOOD BOUNDARY
	SITE BOUNDARY
	EXISTING STORM SEWER
	PROPOSED STORM SEWER
	PROPOSED SWMF IN SURPLUS SCHOOL SITE
	PROPOSED SWMF IN GREEN SPACE / SCHOOLYARD
	POTENTIAL STORAGE AREA

PONDING DEPTH (EXISTING 100 yr - 4hr RAINFALL EVENT)	
	0.05 - 0.15 m PONDING
	0.15 - 0.35 m PONDING
	0.35 - 0.5 m PONDING
	0.50 - 0.75 m PONDING
	0.75 - 1.0 m PONDING
	1.0 - 1.25 m PONDING
	> 1.25 m PONDING



KEY PLAN: SOUTHWEST AREA
SCALE: 1:50,000

Prepared By:

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Client:

THE CITY OF
Edmonton

Project:

**CITY WIDE FLOOD MITIGATION ASSESSMENT
PHASE 2 (AREA C)**

Title:

**PROPOSED SWMF
SH1 IN SOUTHWEST AREA**

Scale:

AS SHOWN

Figure:

C-7



PROPOSED SWMF IMPROVEMENTS AND PONDING DEPTHS
SCALE: 1:8,000



POND SITE AREA
SCALE: 1:2500

Pond ID	BQ1
Neighbourhood	Blue Quill
Site Area (m ²)	47,500
Potential Storage Area (m ²)	46,000
Pond Storage Potential (m ³)**	76,100
Total Excavation Required (m ³)	173,000
Total Estimated Costs*	\$ 24,452,000
Price/Storage (\$/m ³)	\$ 321

Main purpose of SWMF: Surge pond for local sewers.
Should be designed as dual-use facility.

*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.

**Pond storage assumes 2 m water depth with 5:1 side slopes

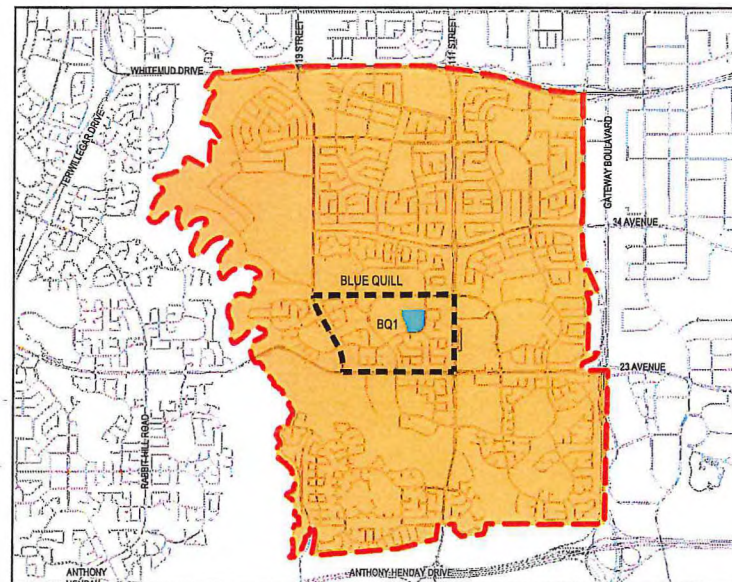


LEGEND

- LOCAL AREA BOUNDARY
- NEIGHBOURHOOD BOUNDARY
- SITE BOUNDARY
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED SWMF IN SURPLUS SCHOOL SITE
- PROPOSED SWMF IN GREEN SPACE / SCHOOLYARD
- POTENTIAL STORAGE AREA

PONDING DEPTH (EXISTING 100 yr - 4hr RAINFALL EVENT)

- 0.05 - 0.15 m PONDING
- 0.15 - 0.35 m PONDING
- 0.35 - 0.5 m PONDING
- 0.50 - 0.75 m PONDING
- 0.75 - 1.0 m PONDING
- 1.0 - 1.25 m PONDING
- > 1.25 m PONDING



KEY PLAN: SOUTHWEST AREA
SCALE: 1:50,000

Prepared By:

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Project:

**CITY WIDE FLOOD MITIGATION ASSESSMENT
PHASE 2 (AREA C)**

Title:

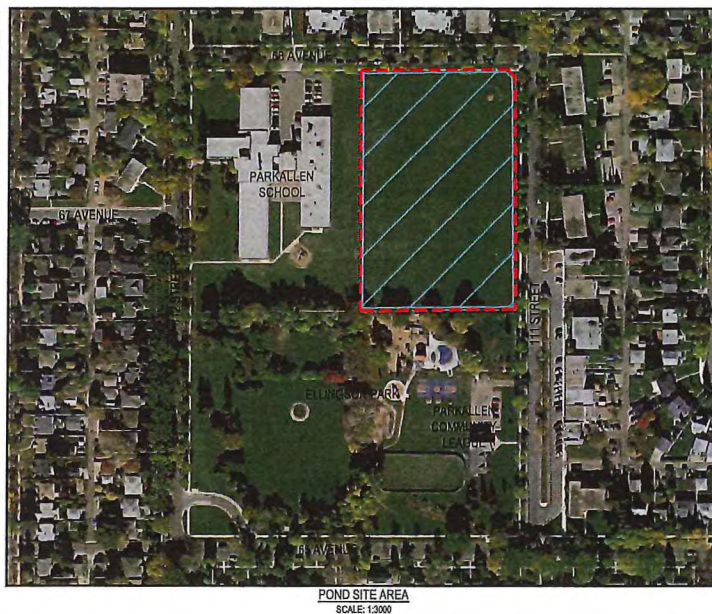
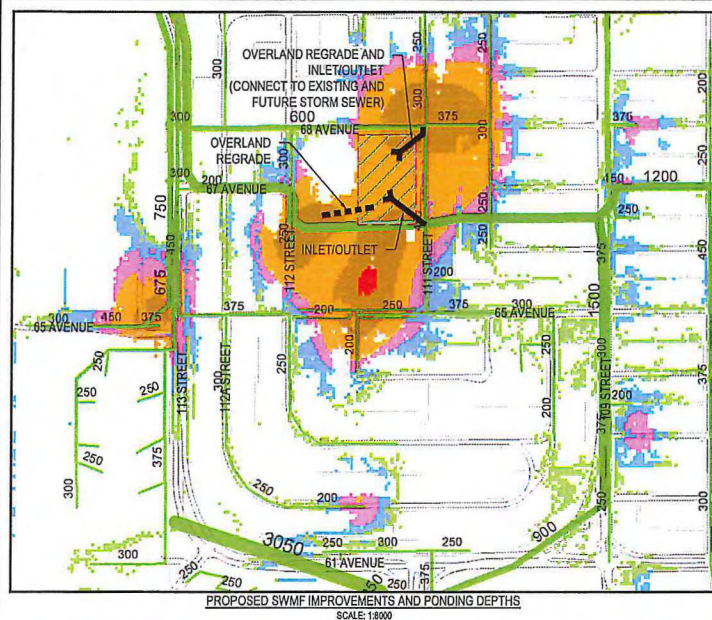
**PROPOSED SWMF
BQ1 IN SOUTHWEST AREA**

Scale:

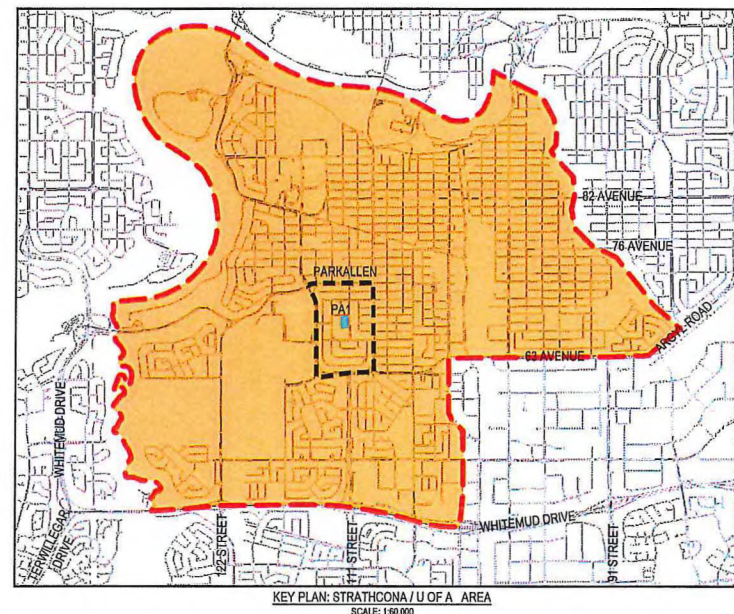
AS SHOWN

Figure:

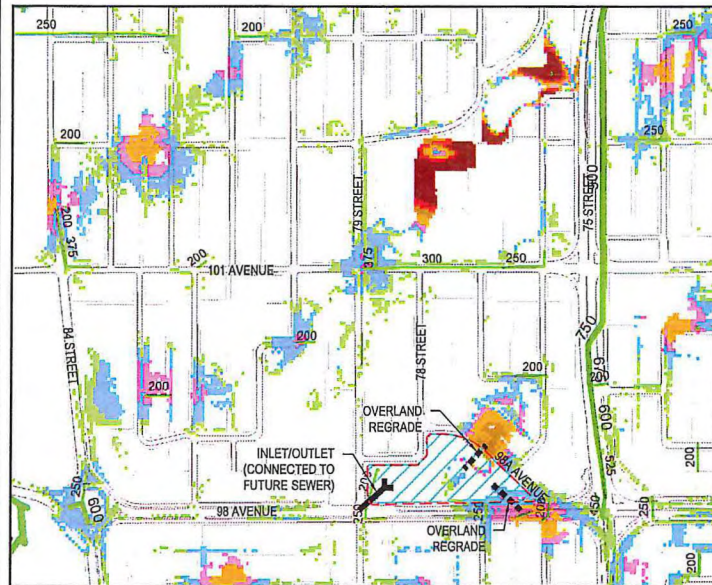
C-8



Pond ID	PA1
Neighbourhood	Parkallen
Site Area (m ²)	15,000
Potential Storage Area (m ²)	14,000
Pond Storage Potential (m ³)**	24,400
Total Excavation Required (m ³)	29,000
Total Estimated Costs*	\$ 6,088,000
Price/Storage (\$/m ³)	\$ 250



C-9

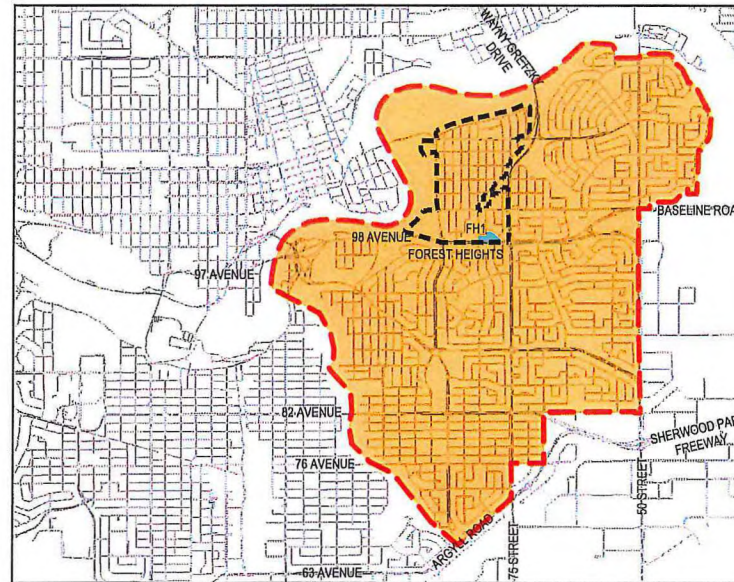
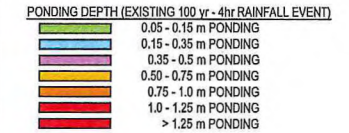
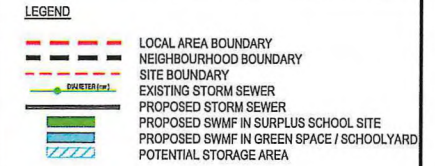


PROPOSED SWMF IMPROVEMENTS AND PONDING DEPTHS
SCALE: 1:8200



POND SITE AREA
SCALE: 1:2500

Pond ID	FH1
Neighbourhood	Forest Heights
Site Area (m ²)	21,500
Potential Storage Area (m ²)	20,500
Pond Storage Potential (m ³)**	31,300
Total Excavation Required (m ³)	59,000
Total Estimated Costs*	\$ 9,935,000
Price/Storage (\$/m ³)	\$ 317
Main purpose of SWMF: Surface overflow storage. SWMF for future sewer separation.	
*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.	
**Pond storage assumes 2 m water depth with 5:1 side slopes	



KEY PLAN: BONNIE DOON / GOLD BAR AREA
SCALE: 1:80,000

Prepared By: **sameng inc.**
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Client: **THE CITY OF Edmonton**

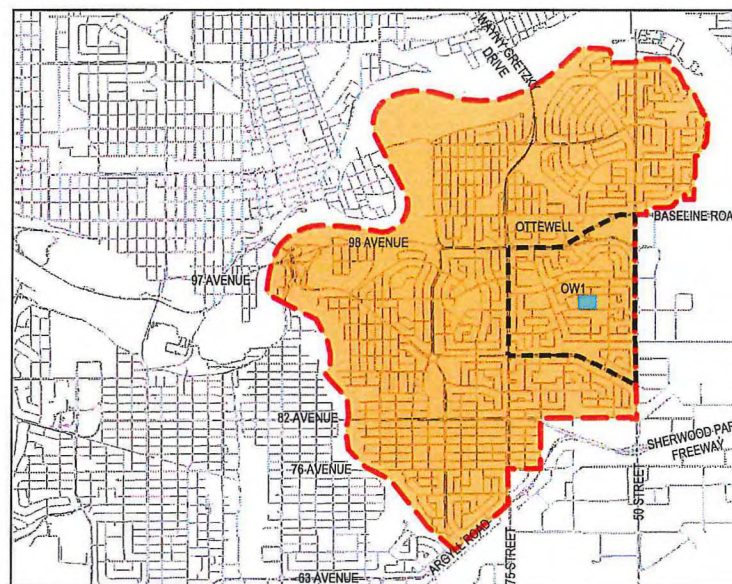
Project: **CITY WIDE FLOOD MITIGATION ASSESSMENT
PHASE 2 (AREA C)**

Title: **PROPOSED SWMF
FH1 IN BONNIE DOON / GOLD BAR AREA**

Scale: **AS SHOWN** Figure: **C-10**



Pond ID	OW1
Neighbourhood	Ottewell
Site Area (m ²)	38,500
Potential Storage Area (m ²)	37,500
Pond Storage Potential (m ³)**	63,100
Total Excavation Required (m ³)	122,000
Total Estimated Costs*	\$ 24,339,000
Price/Storage (\$/m ³)	\$ 386



LEGEND

-  LOCAL AREA BOUNDARY
 NEIGHBOURHOOD BOUNDARY
 SITE BOUNDARY
 EXISTING STORM SEWER
 PROPOSED STORM SEWER
 PROPOSED SWMF IN SURPLUS SCHOOL SITE
 PROPOSED SWMF IN GREEN SPACE / SCHOOLYARD
 POTENTIAL STORAGE AREA

PONDING DEPTH (EXISTING 100 yr - 4hr RAINFALL EVENT)

- | | |
|---|-----------------------|
|  | 0.05 - 0.15 m PONDING |
|  | 0.15 - 0.35 m PONDING |
|  | 0.35 - 0.5 m PONDING |
|  | 0.50 - 0.75 m PONDING |
|  | 0.75 - 1.0 m PONDING |
|  | 1.0 - 1.25 m PONDING |
|  | > 1.25 m PONDING |

Prepared By:



sameng inc.
better water | better world

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Client:



Project

**CITY WIDE FLOOD MITIGATION ASSESSMENT
PHASE 2 (AREA C)**

Title:

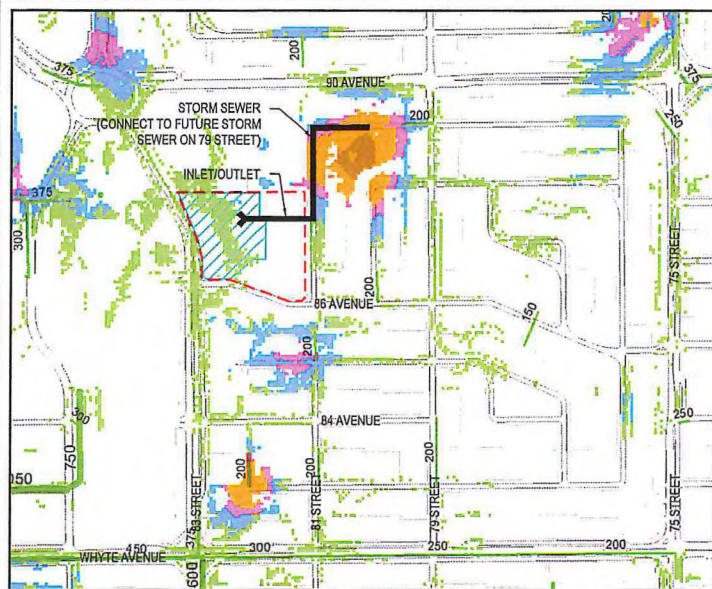
**PROPOSED SWMF
OW1 IN BONNIE DOON / GOLD BAR AREA**

Scale:

AS SHOWN

Figure:

C-11



PROPOSED SWMF IMPROVEMENTS AND PONDING DEPTHS
SCALE: 1:8000



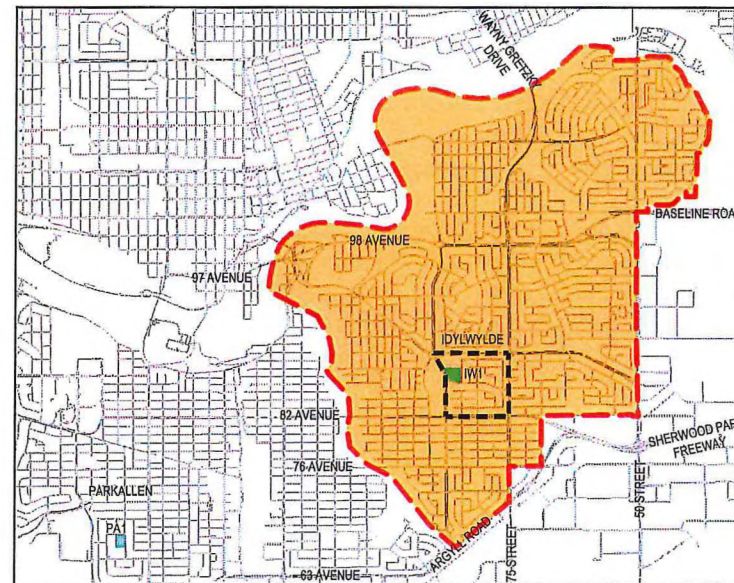
POND SITE AREA
SCALE: 1:3000

Pond ID	IW1
Neighbourhood	Idylwyde
Site Area (m ²)	30,500
Potential Storage Area (m ²)	15,500
Pond Storage Potential (m ³)**	24,300
Total Excavation Required (m ³)	43,000
Total Estimated Costs*	\$ 8,864,000
Price/Storage (\$/m ³)	\$ 365
Main purpose of SWMF: SWMF for future sewer separation (Surge pond but could be designed as wetpond) Allows downstream pipes to be sized for 1:5 yr event instead of 1:100 yr event.	
*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.	
**Pond storage assumes 2 m water depth with 5:1 side slopes	



LEGEND	
---	LOCAL AREA BOUNDARY
---	NEIGHBOURHOOD BOUNDARY
---	SITE BOUNDARY
---	EXISTING STORM SEWER
---	PROPOSED STORM SEWER
---	PROPOSED SWMF IN SURPLUS SCHOOL SITE
---	PROPOSED SWMF IN GREEN SPACE / SCHOOLYARD
---	POTENTIAL STORAGE AREA

PONDING DEPTH (EXISTING 100 yr - 4hr RAINFALL EVENT)	
---	0.05 - 0.15 m PONDING
---	0.15 - 0.35 m PONDING
---	0.35 - 0.5 m PONDING
---	0.50 - 0.75 m PONDING
---	0.75 - 1.0 m PONDING
---	1.0 - 1.25 m PONDING
---	> 1.25 m PONDING



KEY PLAN: BONNIE DOON / GOLD BAR AREA
SCALE: 1:80,000

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Project:	
CITY WIDE FLOOD MITIGATION ASSESSMENT PHASE 2 (AREA C)	
Title:	
PROPOSED SWMF IW1 IN BONNIE DOON / GOLD BAR AREA	
Scale:	Figure:
AS SHOWN	C-12



Pond ID	KW1
Neighbourhood	Kenilworth
Site Area (m ²)	60,000
Potential Storage Area (m ²)	34,000
Pond Storage Potential (m ³)**	52,700
Total Excavation Required (m ³)	110,000
Total Estimated Costs*	\$ 19,494,000
Price/Storage (\$/m ³)	\$ 370

Main purpose of SWMF: SWMF for future sewer separation (surge pond). Should be designed as dual-use facility.

*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.
**Pond storage assumes 2 m water depth with 5:1 side slopes

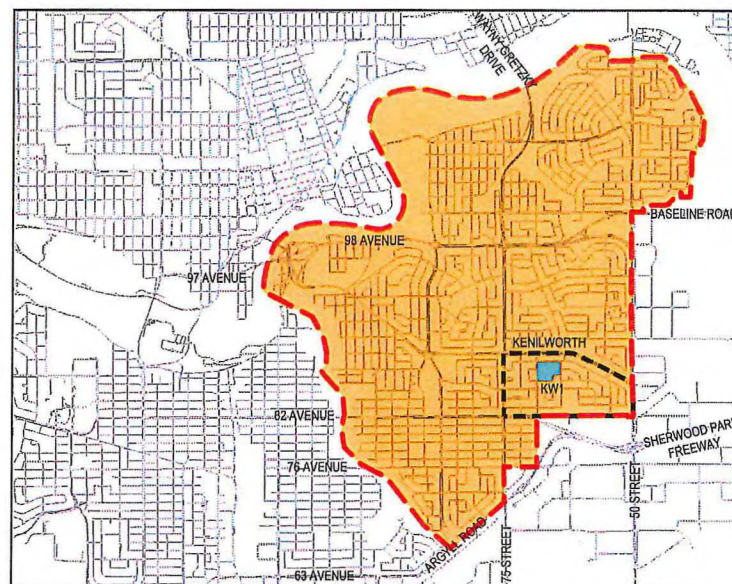


LEGEND

-  LOCAL AREA BOUNDARY
 NEIGHBOURHOOD BOUNDARY
 SITE BOUNDARY
 DIVERTER (m) EXISTING STORM SEWER
 PROPOSED STORM SEWER
 PROPOSED SWMF IN SURPLUS SCHOOL SITE
 PROPOSED SWMF IN GREEN SPACE / SCHOOLYARD
 POTENTIAL STORAGE AREA

PONDING DEPTH (EXISTING 100 yr - 4hr RAINFALL EVENT)

- | | |
|---|-----------------------|
|  | 0.05 - 0.15 m PONDING |
|  | 0.15 - 0.35 m PONDING |
|  | 0.35 - 0.5 m PONDING |
|  | 0.50 - 0.75 m PONDING |
|  | 0.75 - 1.0 m PONDING |
|  | 1.0 - 1.25 m PONDING |
|  | > 1.25 m PONDING |



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Project

**CITY WIDE FLOOD MITIGATION ASSESSMENT
PHASE 2 (AREA C)**

Title:

**PROPOSED SWMF
KW1 IN BONNIE DOON / GOLD BAR AREA**

Scale:

AS SHOWN

Figure:

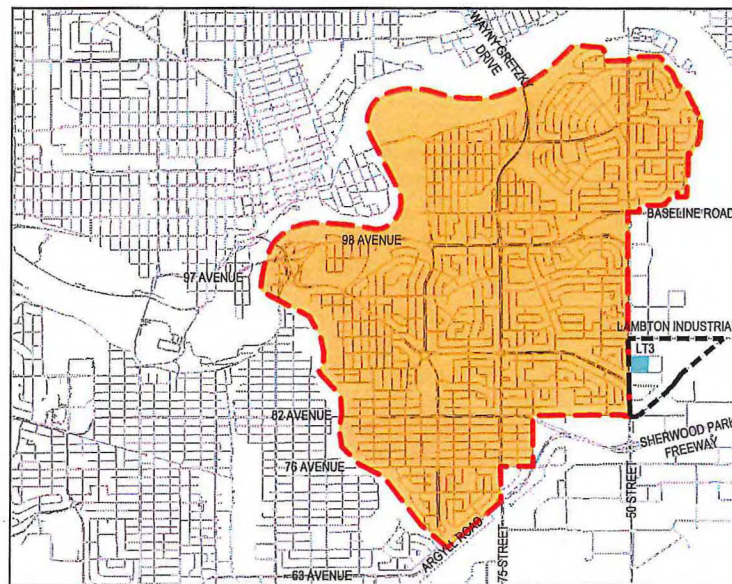
C-13



PROPOSED SWMF IMPROVEMENTS AND PONDING DEPTHS
SCALE: 1:8000



POND SITE AREA
SCALE: 1:2500



KEY PLAN: BONNIE DOON / GOLD BAR AREA
SCALE: 1:50,000

Pond ID	LT3
Neighbourhood	Lambton Industrial
Site Area (m ²)	41,500
Potential Storage Area (m ²)	11,500
Pond Storage Potential (m ³)**	14,200
Total Excavation Required (m ³)	40,000
Total Estimated Costs*	\$ 3,831,000
Price/Storage (\$/m ³)	\$ 270

Main purpose of SWMF: Expansion of existing SWMF (Lambton Facility #1 and #2). Surge pond for 50 Street storm trunk.

*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.
**Pond storage assumes 2 m water depth with 5:1 side slopes



LEGEND

- LOCAL AREA BOUNDARY
- NEIGHBOURHOOD BOUNDARY
- SITE BOUNDARY
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED SWMF IN SURPLUS SCHOOL SITE
- PROPOSED SWMF IN GREEN SPACE / SCHOOLYARD
- POTENTIAL STORAGE AREA

PONDING DEPTH (EXISTING 100 yr - 4hr RAINFALL EVENT)

- 0.05 - 0.15 m PONDING
- 0.15 - 0.35 m PONDING
- 0.35 - 0.5 m PONDING
- 0.50 - 0.75 m PONDING
- 0.75 - 1.0 m PONDING
- 1.0 - 1.25 m PONDING
- > 1.25 m PONDING

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Client:

THE CITY OF
Edmonton

Project:

**CITY WIDE FLOOD MITIGATION ASSESSMENT
PHASE 2 (AREA C)**

Title:

**PROPOSED SWMF
LT3 IN BONNIE DOON / GOLD BAR AREA**

Scale:

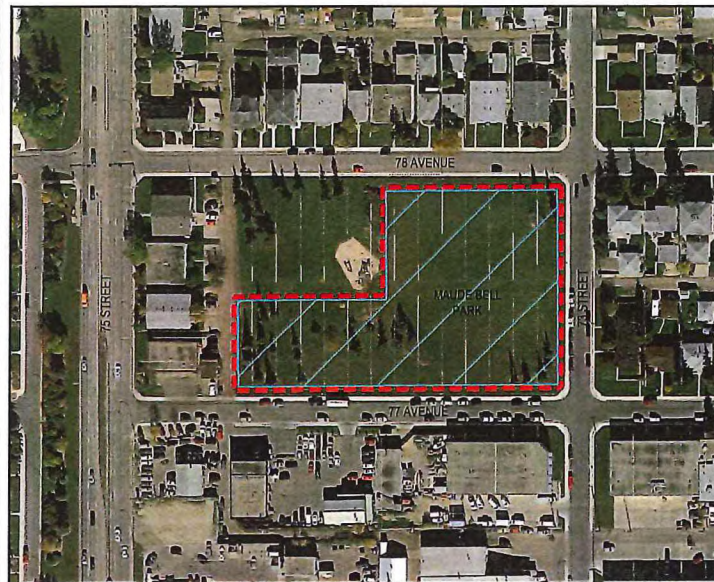
AS SHOWN

Figure:

C-14



PROPOSED SWMF IMPROVEMENTS AND PONDING DEPTHS
SCALE: 1:8000



POND SITE AREA
SCALE: 1:2000

Pond ID	KE1
Neighbourhood	King Edward Park
Site Area (m ²)	9,000
Potential Storage Area (m ²)	8,500
Pond Storage Potential (m ³)**	10,400
Total Excavation Required (m ³)	24,000
Total Estimated Costs*	\$ 6,547,000
Price/Storage (\$/m ³)	\$ 630

Main purpose of SWMF: SWMF for future sewer separation (surge pond). Allows downstream sewer pipe to be designed to convey 1:5 yr flows.

*Cost estimate includes pond construction and related infrastructure, land acquisition, 75% contingency, 15% Engineering and 11% City Overhead.
**Pond storage assumes 2 m water depth with 5:1 side slopes

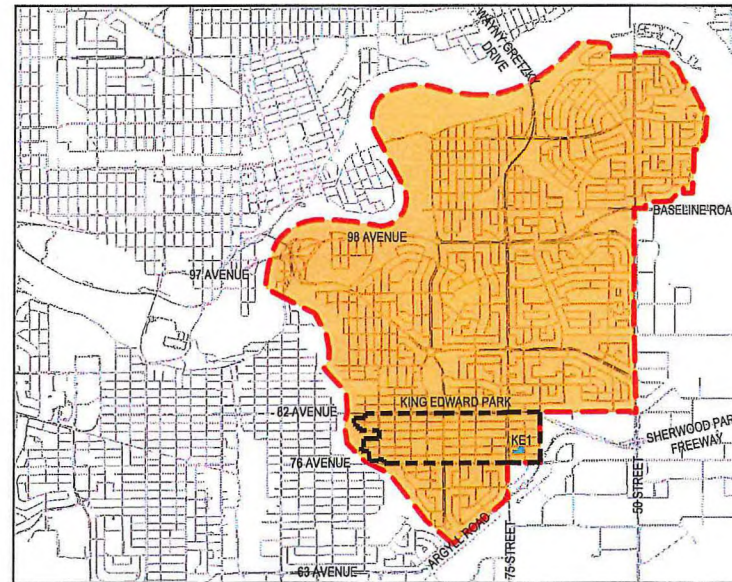


LEGEND

- LOCAL AREA BOUNDARY
- NEIGHBOURHOOD BOUNDARY
- SITE BOUNDARY
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED SWMF IN SURPLUS SCHOOL SITE
- PROPOSED SWMF IN GREEN SPACE / SCHOOLYARD
- POTENTIAL STORAGE AREA

PONDING DEPTH (EXISTING 100 yr - 4hr RAINFALL EVENT)

- 0.05 - 0.15 m PONDING
- 0.15 - 0.35 m PONDING
- 0.35 - 0.5 m PONDING
- 0.50 - 0.75 m PONDING
- 0.75 - 1.0 m PONDING
- 1.0 - 1.25 m PONDING
- > 1.25 m PONDING



KEY PLAN: BONNIE DOON / GOLD BAR AREA
SCALE: 1:60,000

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**CITY WIDE FLOOD MITIGATION ASSESSMENT
PHASE 2 (AREA C)**

Title:

**PROPOSED SWMF
KE1 IN BONNIE DOON / GOLD BAR AREA**

Scale:

AS SHOWN

Figure:

C-15