



Hamilton

WELCOME TO
THE CITY OF HAMILTON
PLANNING COMMITTEE

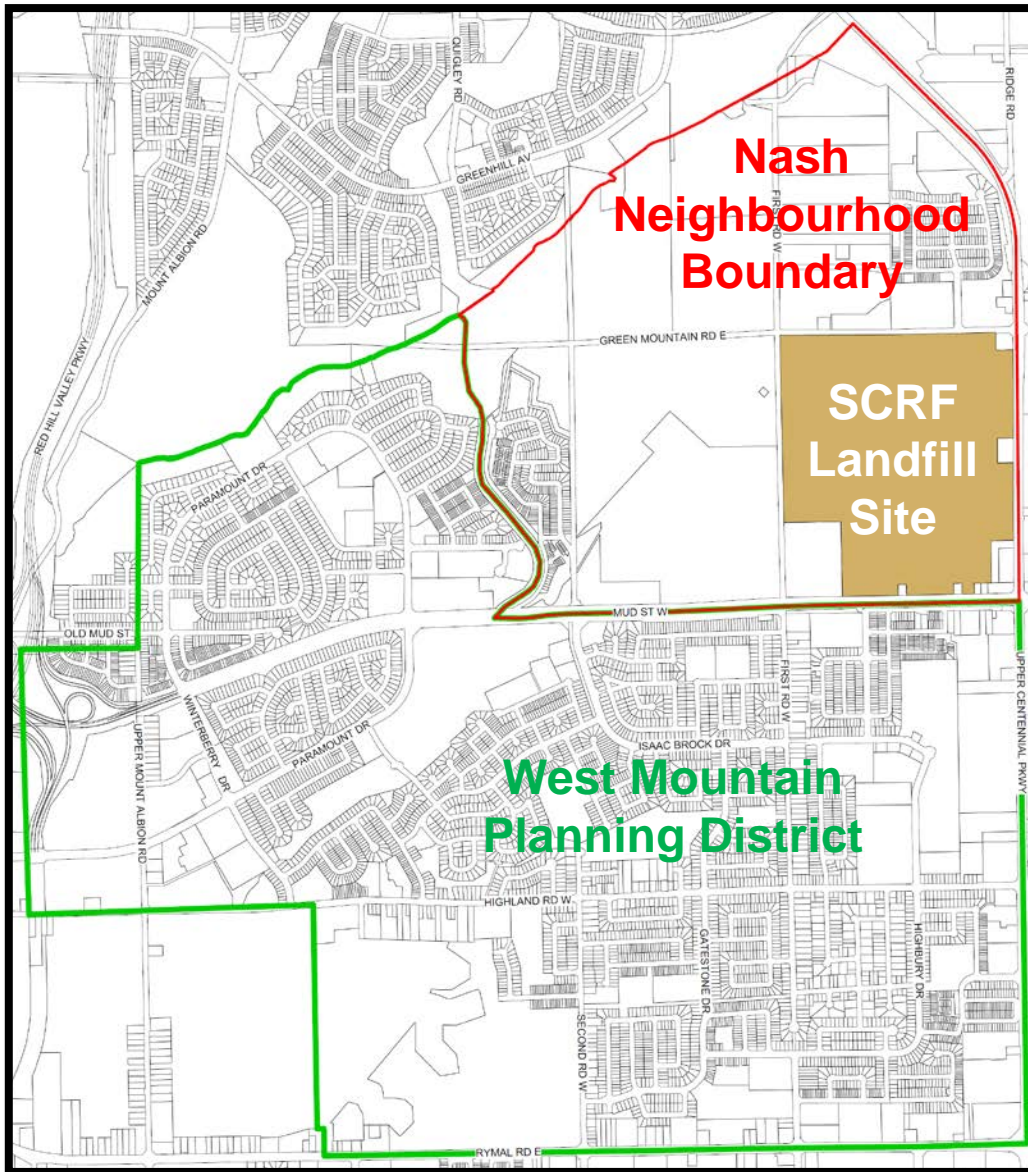
TUESDAY, APRIL 18, 2017

TERRAPURE STONEY CREEK REGIONAL FACILITY ENVIRONMENTAL ASSESSMENT PROPOSED TERMS OF REFERENCE (WARD 9)

**Presenter: Eniber Cabrera
Community Planning Section**

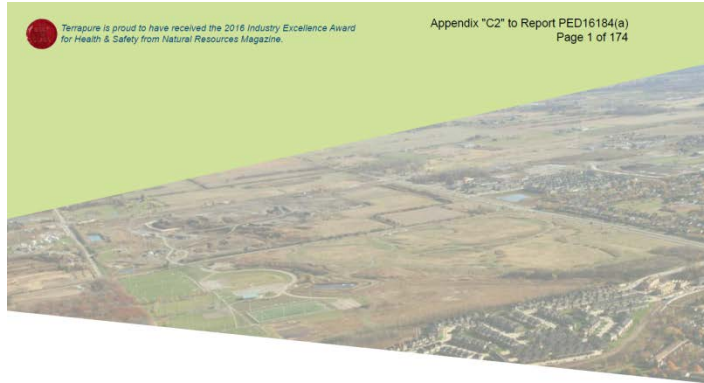
PED16184(a)

SITE LOCATION



PED16184(a)
Appendix "B"
Location Map

STONEY CREEK REGIONAL FACILITY (SCRF) ENVIRONMENTAL ASSESSMENT (EA) - PROPOSED TERMS OF REFERENCE (ToR)



 Stoney Creek Regional Facility Environmental Assessment
Proposed Terms of Reference



Proposed ToR
contains a number
of revisions based
on comments

PED16184(a)
Appendix "C-2"

STONE CREEK REGIONAL FACILITY

- Operating since 1996 (formerly a bedrock extraction quarry)
- Existing Environmental Compliance Approval (ECA) permits acceptance of non-hazardous and non-putrescible waste from industrial, commercial and institutional sources
- Approved site capacity:
 - 6,320,000 m³ of solid, non-hazardous residual material
 - 2,000,000 m³ of industrial fill
 - Total capacity: 8,320,000 m³
- Max. annual volume of 750,000 tonnes of residual material

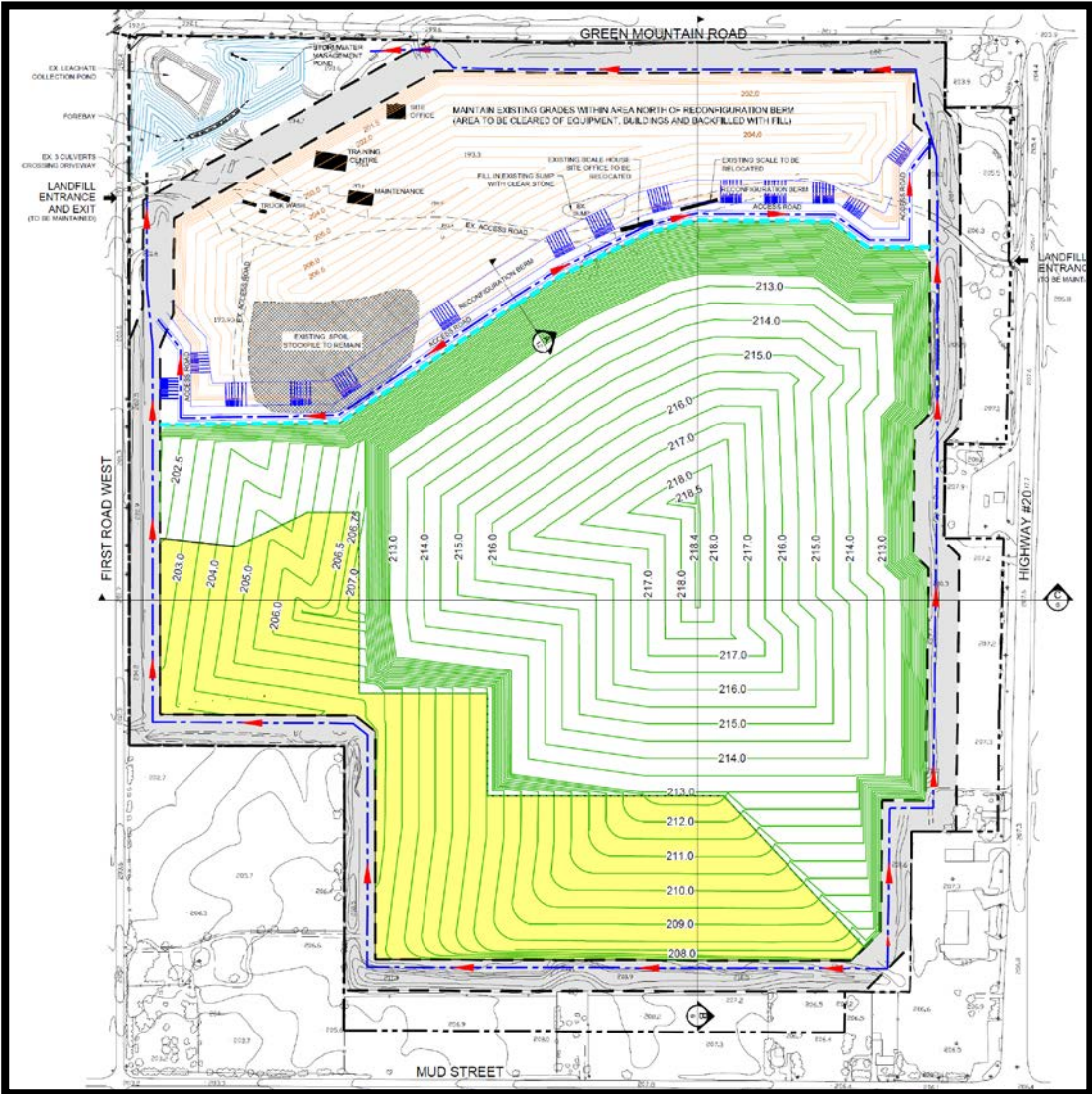
PED16184(a)

STONE CREEK REGIONAL FACILITY



PED16184(a)

CURRENT SCRF FOOTPRINT (AS AMENDED IN 2013)



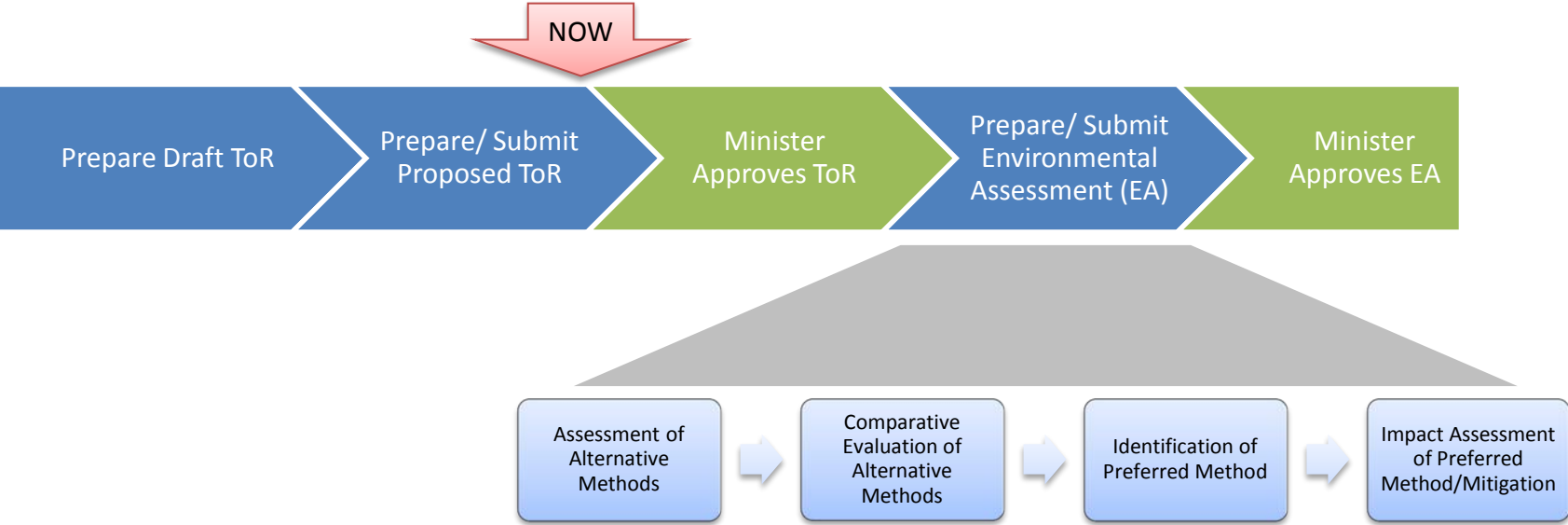
Legend

- LIMIT OF LANDFILL
- PERIMETER DRAINAGE DITCH
- 216.0 PROPOSED TOP OF WASTE CONTOURS AND ELEVATION
- 204.0 PROPOSED TOP OF GRADED FILL MATERIAL CONTOURS AND ELEVATION
- 30m BUFFER ZONE
- AREA FOR STORMWATER MANAGEMENT PONDS
- AREA OF CONSTRUCTED FINAL COVER

Source: Terrapure SCRF Proposed ToR, 2017

SCRF EA PROCESS

The SCRF Individual Environmental Assessment process has two main phases: ToR and EA, as follows:



SUMMARY OF PREVIOUS COMMENTS ON DRAFT TOR

- Staff identified a number of issues and studies that are expected to be addressed during the EA phase
- The full range of options/alternatives have not been explored – Staff suggested that Terrapure investigate other alternatives to those presented in the draft proposed ToR
- Terrapure should review alternative footprints that would increase the buffer between the residual waste area and the lands approved for development north of Green Mountain Road W
- The EA should include a comprehensive assessment of the effects of the alternative footprints on the future residential uses to be built north of Green Mountain Road W

PED16184(a)

PROPOSAL: EA FOR RECONFIGURING THE FOOTPRINT OF THE FACILITY

- Increase the site capacity for solid, non-hazardous residual waste by 3,680,000 m³
- Solid residual waste capacity would go from 6,320,000 m³ to 10,000,000 m³
- In response to comments, six alternative footprints have been proposed - to be evaluated during the EA (from the original two alternatives)
- Three alternatives propose keeping the 2,000,000 m³ for industrial fill (for a total capacity of 12,000,000 m³)
- The proposed reconfiguration and changes will allow the facility to close within 13-20 years whereas under current conditions closure is anticipated in 16-22 years

PED16184(a)

PROPOSED ALTERNATIVE FOOTPRINTS 1 & 2



Figure not to scale

Alternative 1: Reconfiguration

- No more industrial fill
- No vertical or horizontal expansion

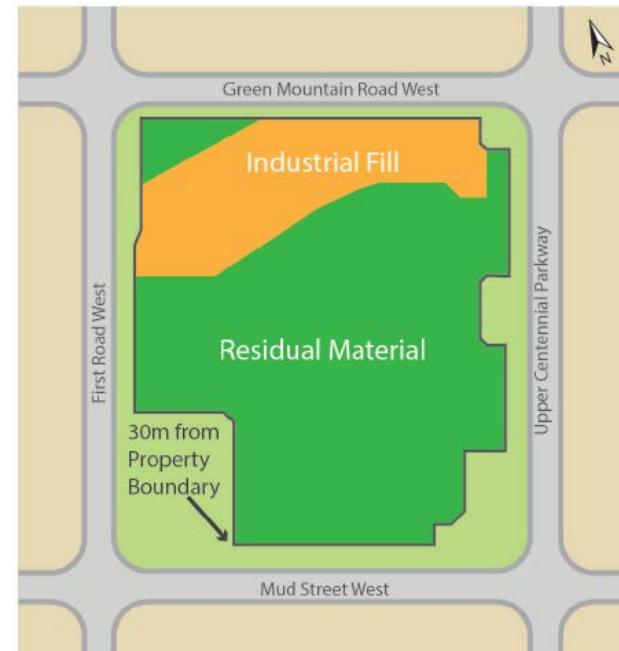


Figure not to scale

Alternative 2: Horizontal Expansion

- Keep area for industrial fill
- Horizontal expansion only

PED16184(a)

PROPOSED ALTERNATIVE FOOTPRINTS 3 & 4

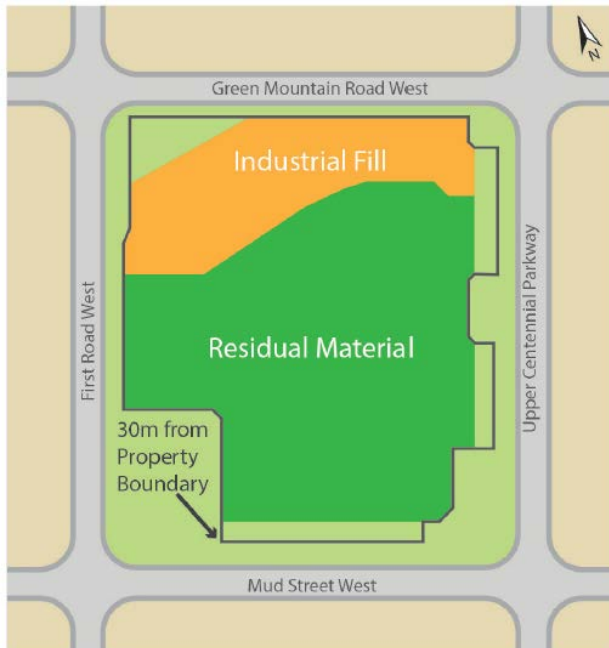


Figure not to scale

Alternative 3: Vertical Expansion

- Keep area for industrial fill
- Vertical expansion of area currently approved to receive industrial residual material



Figure not to scale

Alternative 4: Reconfiguration and Horizontal Expansion

- No more industrial fill
- Horizontal expansion

PED16184(a)

PROPOSED ALTERNATIVE FOOTPRINTS 5 & 6



Figure not to scale

Alternative 5: Reconfiguration and Vertical Expansion

- No more industrial fill
- Vertical expansion of both areas currently approved to receive industrial residual material

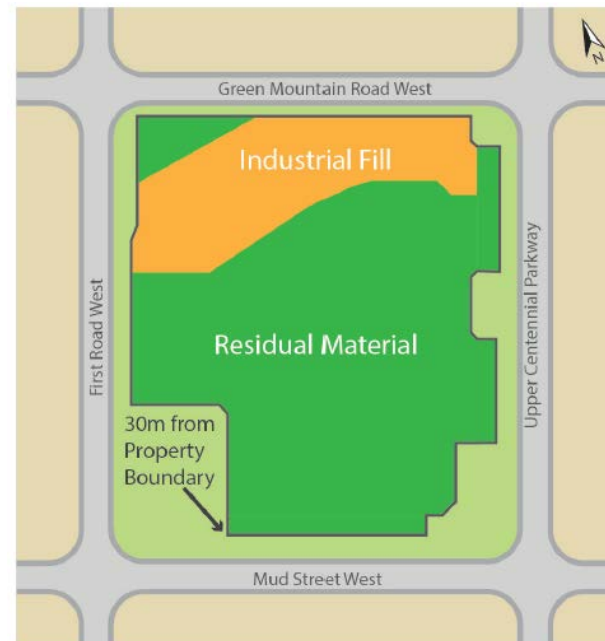


Figure not to scale

Alternative 6: Horizontal and Vertical Expansion

- Keep area for industrial fill
- Vertical expansion
- Horizontal expansion of area currently approved to receive industrial residual material

PED16184(a)

PROPOSED ALTERNATIVE FOOTPRINTS SUMMARY

Alternative 1:



Figure not to scale

Alternative 2:

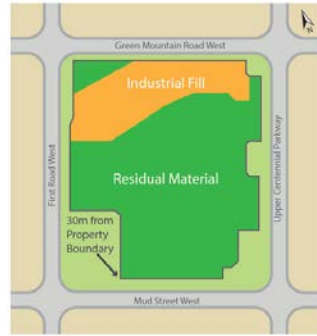


Figure not to scale

Alternative 3:

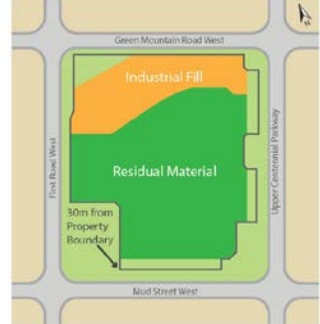


Figure not to scale

Alternative 4:



Figure not to scale

Alternative 5:



Figure not to scale

Alternative 6:



Figure not to scale

Alternative	Capacity (m ³)			Expansion	
	Residual Material	Industrial Fill	Total	Vertical	Horizontal
Current	6,320,000	2,000,000	8,320,000	-	-
1	10,000,000	-	10,000,000	No	No
2	10,000,000	2,000,000	12,000,000	No	Yes
3	10,000,000	2,000,000	12,000,000	Yes	No
4	10,000,000	-	10,000,000	No	Yes
5	10,000,000	-	10,000,000	Yes	No
6	10,000,000	2,000,000	12,000,000	Yes	Yes

STAFF COMMENTS

Staff identified a number of issues that should be adequately addressed in the SCRF EA ToR, such as:

- EA Process
- Commitments
- Clarifications regarding ultimate capacity

Staff identified a number of issues and studies that are expected to be addressed during the EA phase, including:

- Impacts on approved residential building lots if reduced buffering/setbacks are approved;
- Comprehensive visual impact assessment;
- Financial assessment and impacts on land values;
- Air Quality and Noise impacts;
- Drainage and servicing impacts;
- Transportation and traffic impacts; and,
- Review of current agreements.

PED16184(a)

CLOSING

- The Proposed ToR has been revised to evaluate a broader number of Alternative Methods (footprints) from 2 to 6
- The City will have additional opportunities for commenting during the EA phase
- Terrapure has offered responses to Staff comments and has indicated that the requested studies and assessments will be undertaken during the EA Phase
- Terrapure has reiterated their interest in continued engagement and collaboration with the City during the EA

PED16184(a)

THANK YOU