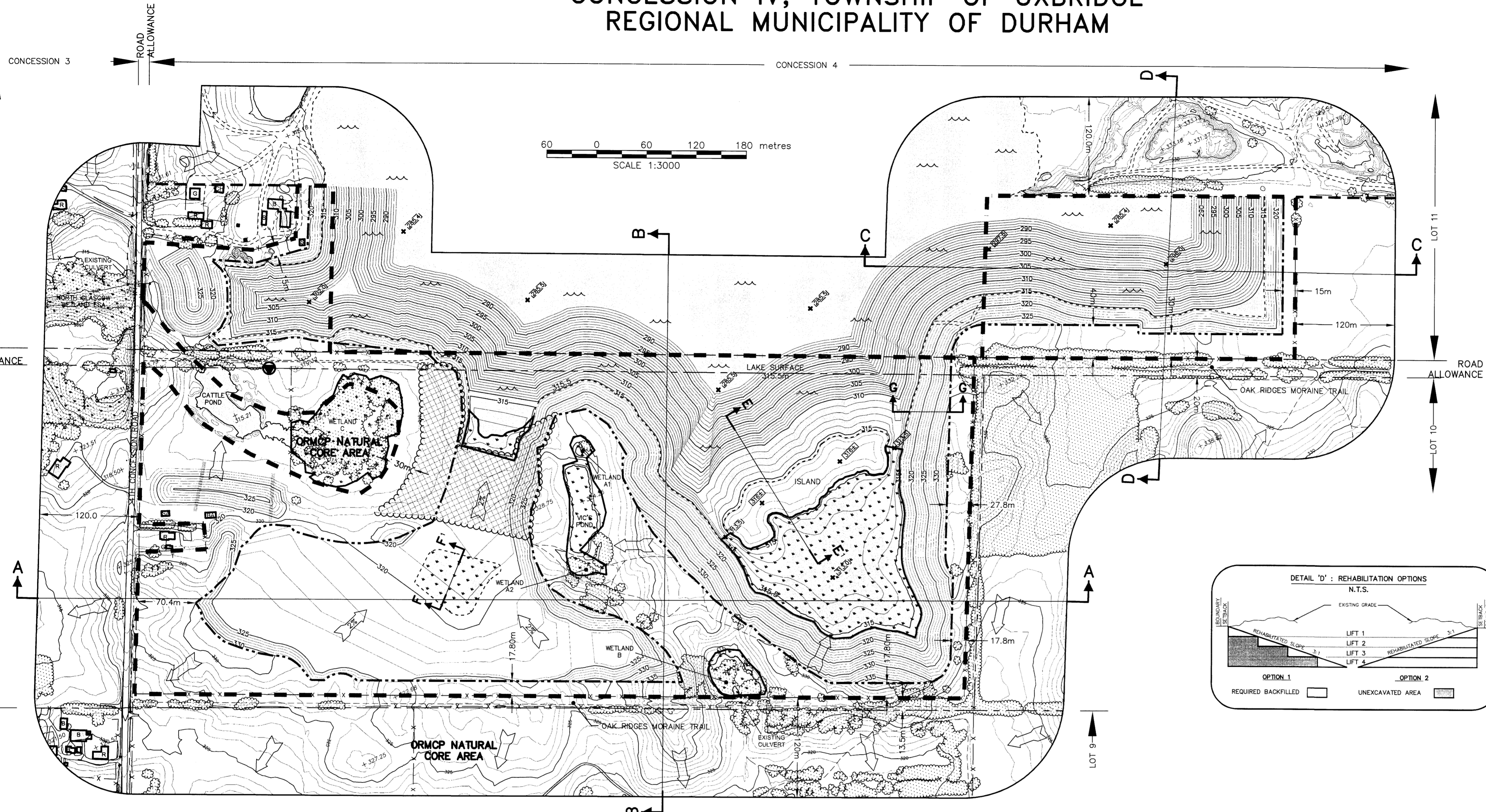


DECLARATION OF PURPOSE

THIS SITE PLAN IS PREPARED UNDER THE AGGREGATE RESOURCES ACT FOR A CLASS 'A' LICENCE, CATEGORY 1.

**PART OF LOTS 10 & 11 AND
PART OF ROAD ALLOWANCE BETWEEN LOTS 10 & 11
CONCESSION IV, TOWNSHIP OF UXBRIDGE
REGIONAL MUNICIPALITY OF DURHAM**

1993-3



LEGEND

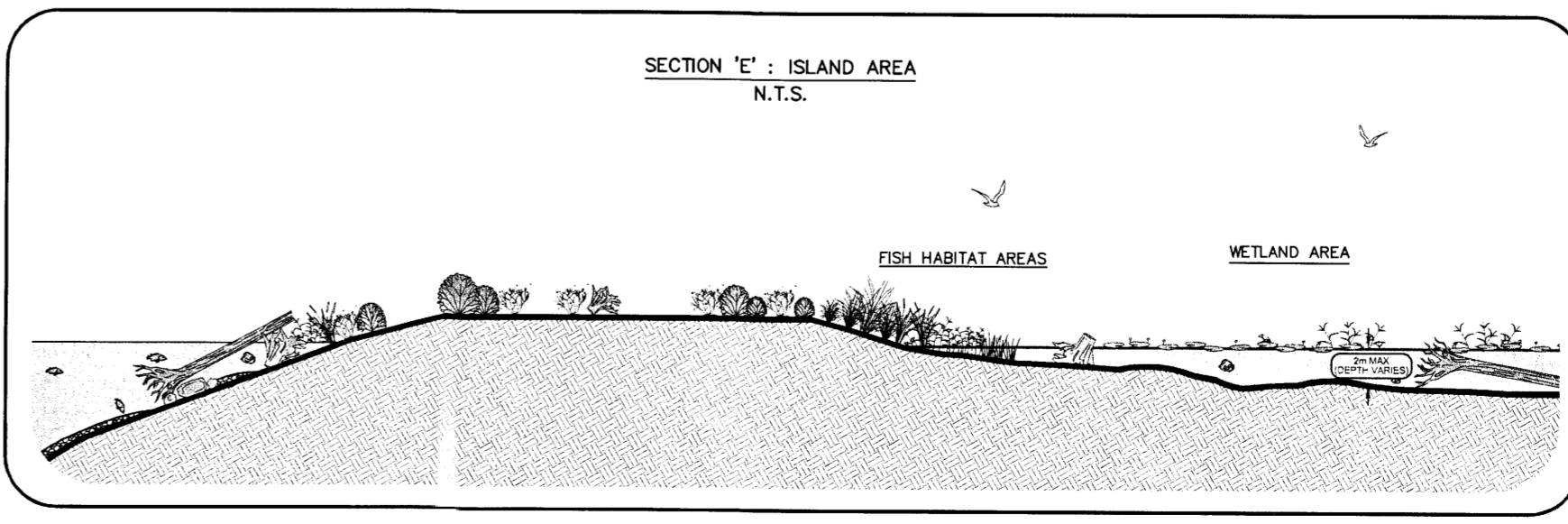
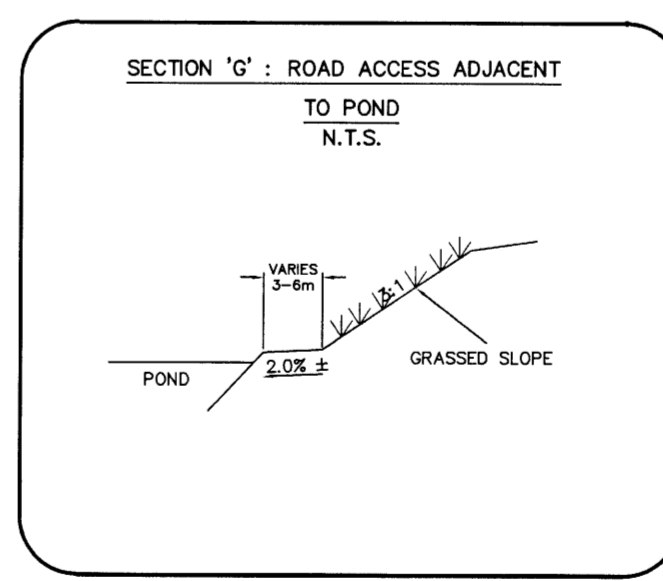
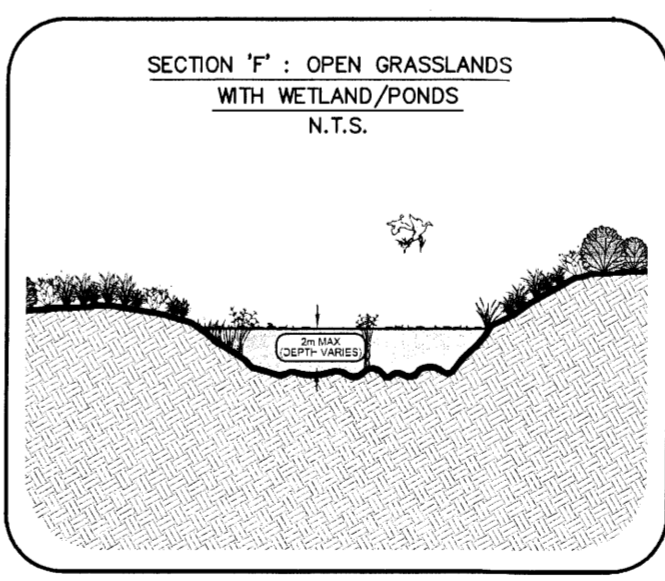
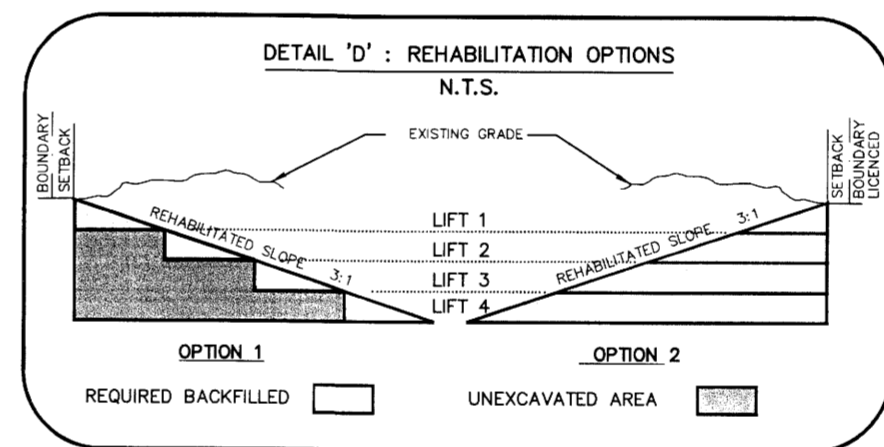
- LICENCED BOUNDARY
- LINE INDICATING ALL POINTS WITHIN 120m (MIN.) OF LICENCED BOUNDARY.
- x-x- POST & WIRE FENCE UNLESS OTHERWISE NOTED
- == PUBLIC ROAD
- INTERNAL ROAD
- - - TRAIL
- - - LIMIT OF EXTRACTION
- [] STRUCTURES AND BUILDINGS
- CONTOURS & SPOT ELEVATIONS
- FINAL DEPTH OF EXCAVATION
- WATERS EDGE
- [] TREES/BUSH
- INTERMITTENT WATER COURSE
- A A' SECTION ARROWS
- [] POND/SURFACE WATER
- [] WETLAND
- [] GIORDANO LAKE
- [] REFORESTED AREA
- [] LOCATION 2

SCHEDULE OF REVISIONS (PRE LICENSING)

NO.	DATE	DESCRIPTION	APPROVED
1.	NOVEMBER 2011	REVISIONS PER MNR COMMENTS JULY 29/11	[Signature]

SCHEDULE OF AMENDMENTS

NO.	DATE	DESCRIPTION	APPROVED



PROGRESSIVE REHABILITATION

A Staging

1. Staging of progressive and final rehabilitation will follow the direction and sequence of extraction as shown on the operational plan.
2. As the horizontal limit of extraction and/or maximum depth of extraction is reached in any part of each phase, progressive rehabilitation will commence utilizing topsoil, overburden and organic material (resulting from stumps and/or brush stored on the site) from stockpiles or areas being prepared for extraction.
3. Slopes must be rehabilitated and seeded as soon as possible to limit the potential for erosion. However, it is recommended that seeding will not occur between June 15 and September 1. If necessary, graded slopes will be covered with straw mulch to reduce the potential for erosion until seeding can occur.
4. Where the quality of material does not meet the operator's market requirements, the horizontal extent or depth of extraction may be reduced and progressive rehabilitation commenced as required throughout the pit.

B Slopes and Grading

1. As the horizontal limit of extraction is reached, the operator will create a slope no steeper than 3 m horizontal to 1 m vertical by extracting to the 3:1 slope, by cut and fill, or by backfilling with overburden from stockpiles, berms or stripped areas shown Detail 'D'.
2. Slopes above the water table should be varied to blend into the existing landform with an average slope no steeper than 3 m horizontal to 1 m vertical.
3. The pit floor will be graded to a minimum slope of 2% using a dozer and ripped or tilled to alleviate compaction.
4. All available overburden and topsoil, except in permanent berms, and organic matter will be applied to the slopes and pit floor.
5. Topsoil and overburden may be transported from the adjacent pits to the site and/or exported from the site to the adjacent pits, to facilitate pit rehabilitation.
6. No material will be imported from outside the licensed areas.

C Seeding and Planting

1. All exposed slopes and pit floor areas above the final water level will be covered with topsoil and seeded with a suitable grass-legume mixture such as a mix of 15% Annual Rye, 20% Crown Vetch, 20% Alfalfa, 15% White Clover, 15% Perennial Rye, and 15% Tall Rye.
2. Where possible, Variegated Horsetail, will be transplanted to other suitable locations in rehabilitated areas adjacent to Giordano Lake.
3. Trees and shrubs may be transplanted from areas being prepared for extraction to the edges of the woodland and areas to be reforested.
4. The area to be re-forested will be planted with native species suitable to the post extraction site conditions. A species list will be developed in consultation with the MNR and/or TRCA.

D Habitat Creation

1. Wetland Areas:
 - a) Two new shallow-water habitat areas will be created along the south edge of Giordano Lake as shown. These areas will have water depth of no deeper than 2 metres, graded gradually from the shoreline.
 - b) Where possible topsoil should be placed within these areas to provide a growing medium for aquatic and riparian plant species.
 - c) Structures such as boulders, gravel bars and logs will be placed in the shallow areas to provide additional habitat features for a variety of animal species.
 - d) The pond excavated within Phase 3A will also be suitable for amphibian breeding and will support a variety of aquatic plants and invertebrates. This pond will be a minimum of 20 square metres and no more than 0.5 hectares in area with shallow grades and a relatively large basin a maximum of 2 metres deep and non-uniform contours. The pond should maintain a minimum of 0.3 to 0.5 metres of water in July.
2. Island Area:
 - An elongated island will be constructed (extracted and backfilled, left in-situ or a combination of both) in Giordano Lake at the northerly edge of the easterly wetland area generally as shown. The island surface will have a layer of sand a minimum of 0.3m deep. The island will provide additional sandy, lowland habitat.

3. Fish Habitat:

- Structure, such as logs and gravel beds approximately 10 metres by 10 metres and 15 centimetres deep, will be added in the shallow-water habitat and other suitable areas to create habitat and spawning beds.
- 4. Upland Areas:**
- Upland areas will be seeded as described in Note C.1 and allowed to regenerate, along with the undisturbed areas of the site, into forests.

FINAL REHABILITATION

A General

1. All equipment, buildings, roads and aggregate stockpiles will be removed from the site except roads for access to the property.
2. All overburden and topsoil stockpiles and some of the berms will be utilized in progressive and final rehabilitation.
3. Drainage will be contained within the rehabilitated pit and will flow to Giordano Lake or infiltrate into the pit floor.
4. The anticipated final end use is private open space with natural self sustaining vegetation.
5. Berms as shown may remain and allowed to regenerate with natural vegetation.

TRUDY P. PATERSON
IS APPROVED BY THE
MINISTRY OF NATURAL RESOURCES
PURSUANT TO SECTION 8 (4) OF THE
AGGREGATE RESOURCES ACT TO
PREPARE AND CERTIFY SITE PLANS.
[Signature] NOV 10/11
TRUDY P. PATERSON DATE

**VICDOM BROCK ROAD
PIT EXPANSION**
TOWNSHIP OF UXBRIDGE
APPLICANT: **VICDOM SAND AND GRAVEL (ONTARIO) LIMITED**
P.O. BOX 1359
UXBRIDGE, ONTARIO
L9P 1N6

REHABILITATION PLAN

PROJECT NO. 05-1993 DRWG. NO. 1993-30F 4
DATE: NOVEMBER 2011 SCALE: 1:3000
DRAWN: CAP CHECKED: [Signature] APPROVED: [Signature]

Skelton Brumwell
ASSOCIATES INC.

ENGINEERING PLANNING ENVIRONMENTAL CONSULTANTS
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