



**Project:** Georges P. Vanier - Site Alterations  
20 Cecile Avenue,  
Chatham, Ontario

**Project ID:** ROA15-012  
**Client No.:** 614-CP1514  
**Addendum:** 1

**Attention:** Project Bidders

**Date:** June 8, 2015

This Addendum is hereby made a part of the Contract Documents and modifies the original Bidding Documents as noted below. The following additions, deletions and amendments shall be incorporated into the bid submission.

**1.1 SPECIFICATIONS:**

**1.1.1 Refer to Section 00 21 13 Instructions to Bidders, 1.5 Site Assessment**

- .1 See Bidder's briefing sign in Sheet attached to this addendum for eligible bidders.

**1.1.2 Refer to Section 01 56 00 Temporary Barriers & Enclosures**

- .1 Temporary Barriers to comply with referenced Specification section.

**1.1.3 Refer to attached Specifications Section 31 92 00 - Hydroseed**

- .1 Refer to issued for Bids documents, change seed areas to Hydroseed.

**1.2 DRAWINGS:**

**1.2.1 Refer to attached drawing SK001**

- .1 Refer to attached drawing SK001 for location of Temporary Barriers
- .2 Refer to attached drawing SK001 for location of existing relocated Bike Rack placement.

**1.2.2 Refer to drawing AS101**

- .1 Refer to Architectural Site -New - Site Construction Notes  
Note - 7 - Height of new fence to be 6' - 0" high.

**1.2.3 Allowances**

- .1 General Contractor to carry a \$ 3,000.00 Testing allowance under the base bid.

**END OF ADDENDUM #1**

PREPARED BY THE CONSULTANT

Marco Raposo | Principal

Signature

06.08.2015

Date: MM.DD.YEAR



**Project:** St. Clair Catholic School Board  
Georges P. Vanier - Site Alterations  
20 Cecile Avenue  
Chatham, Ontario

**Project ID:** ROA15-012  
**Site Briefing:** 1

**Attention:** Project Bidders

**Date:** June 4, 2015

A **Mandatory Bidder's Briefing** has been scheduled for **June 04, 2015 beginning at 1:00pm**. All invited parties will meet at the **Main Entrance to the School**.  
The Site may not be available for viewing at any time. All contractors and major sub-trade tenderers and suppliers are invited. Attendance will be taken and the Bidders List finalized from those in attendance. Tenders will not be accepted from Bidders who do not attend the **Mandatory Bidder's Briefing**.

**SECTION A: MANDATORY BIDDER'S BRIEFING LOG - Described above**

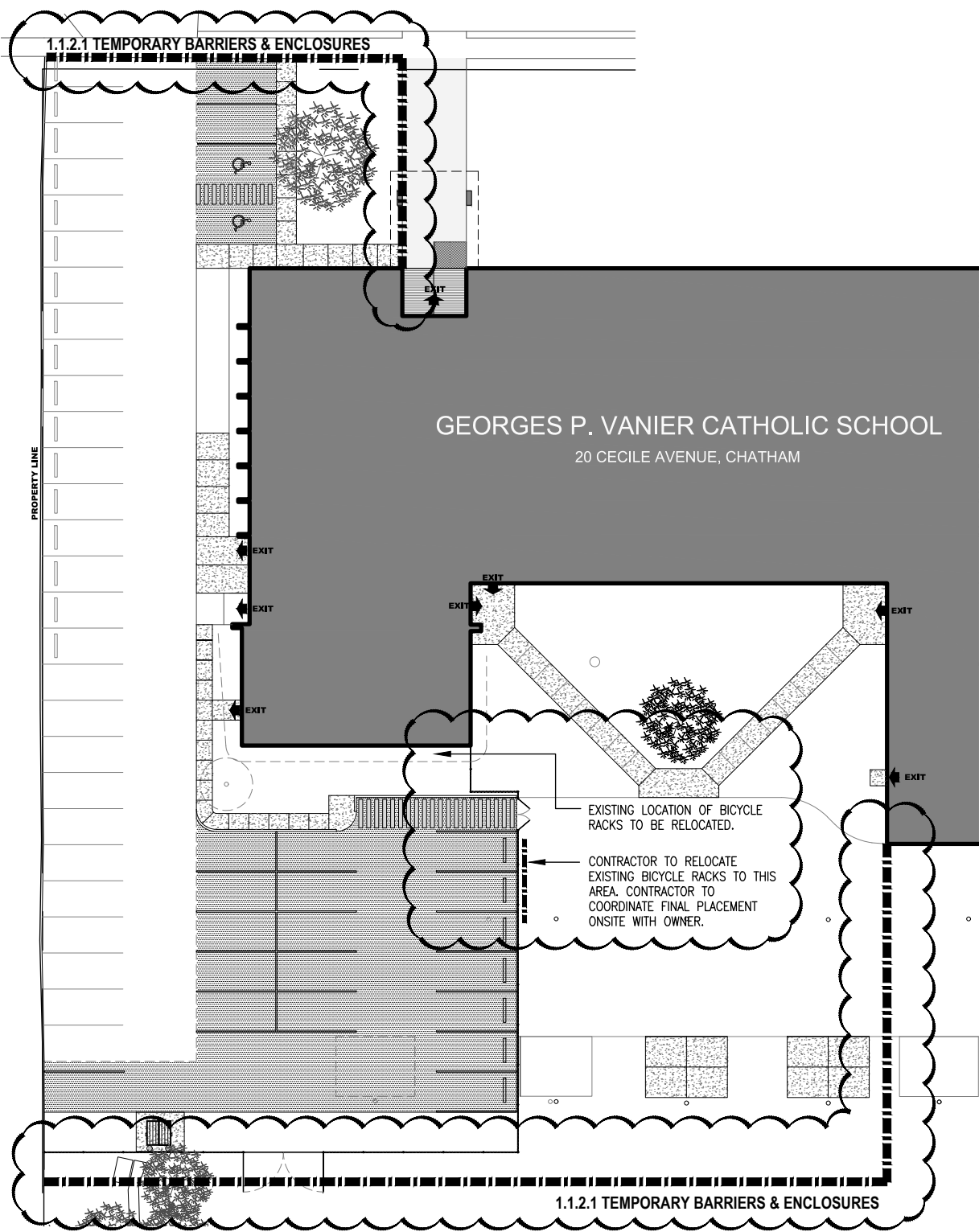
| NAME:                   | REPRESENTING:       | EMAIL:                                | PHONE No.           | FAX No.             |
|-------------------------|---------------------|---------------------------------------|---------------------|---------------------|
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| <i>Jordan Hoekstra</i>  | <i>Dig'R Wright</i> | <i>digrwright@ciaccess.com</i>        | <i>352-3055</i>     | <i>360-9144</i>     |
| <i>DAN VAN DER VEEN</i> | <i>CLARKE</i>       | <i>dan@clarkegroup ontario.ca</i>     | <i>512-576-7000</i> | <i>676-9955</i>     |
| <i>JOHN HARRIS</i>      | <i>HARRIS CONG.</i> | <i>john.harris@concrete@gmail.com</i> | <i>519 360-0890</i> | <i>519 354 9444</i> |
| <i>Dan Thorpe</i>       | <i>Westhock</i>     | <i>dave@westhock.on.ca</i>            | <i>519-391-4111</i> |                     |
| <i>Fred Park</i>        | <i>Bedrock</i>      |                                       |                     |                     |
| <i>PAUL LEENHOUT</i>    | <i>SCCDSB</i>       | <i>PAUL.LEENHOUT@ST-CLAIR.NET</i>     |                     |                     |
|                         |                     |                                       |                     |                     |
|                         |                     |                                       |                     |                     |
|                         |                     |                                       |                     |                     |

**SECTION B: PREPARED BY THE CONSULTANT**

Marco Raposo | Principal


Signature

Date: MM.DD.YEAR



**01 SITE PLAN**

SK001 SCALE: N.T.S

| CONSULTANT  | DISCIPLINE SEAL | PROJECT IDENTIFICATION  | DRAWING IDENTIFICATION | ROA INTERNAL INFO  | COPYRIGHT 2015 |
|---|-----------------|---|------------------------|--|----------------|
| <br>67 King Street West, Chatham ON N7M 1C7<br>tel. 519.397.0943<br>email. info@roastudio.com |                 | SCCDSB - GEORGES P. VANIER, CATHOLIC SCHOOL<br><br>SITE ALTERATIONS | Addendum No.1          | <b>ARCHITECTURE</b><br>PROJECT ID: ROA15-012<br>DRAWN BY: M. RAPOSO<br>REVIEWED BY: M. RAPOSO<br>DATE: 06.04.2015<br>SCALE: AS NOTED | <b>SK001</b>   |

**Part 1            General**

**1.1                RELATED SECTIONS**

Topsoil Placement, Fine Grading, Seeding

**1.2                SUBMITTALS**

- .1    Submit Submittals in accordance with Section 01 33 00 - Submittal Procedures
- .2    Product Data.

.1        Provide product data for:

- .1        Seed.
- .2        Mulch.
- .3        Tackifier.
- .4        Fertilizer.

**1.3                QUALITY ASSURANCE**

- .1    Certificates: product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.
- .2    Pre-Installation Meetings: conduct pre-installation meeting to verify project requirements, installation instructions and warranty requirements.

**1.4                SCHEDULING**

- .1    Schedule hydraulic seeding to coincide with preparation of soil surface.

**1.5                WASTE MANAGEMENT AND DISPOSAL**

- .1    Divert unused fertilizer from landfill to official hazardous material collections site as approved by the Ministry of the Environment or governing body.  
Do not dispose of unused fertilizer into sewer systems, into lakes, streams or in locations where it will pose health or environmental hazard.

**1.6                WARRANTY**

- .1    All areas hydroseeded under this contract shall have a warranty period of one (1) year from the date of acceptance and shall cover any defects in materials and workmanship or damages caused by the elements of weather. All defects shall be repaired to the satisfaction of the Consultant at no cost to the Owner.

**Part 2            Products**

**2.1                MATERIALS**

- .1    Seed: "Canada pedigreed grade" in accordance with Government of Canada Seeds Act and local regulations

.1        Grass mixture composition:

- .1        50 % Creeping Red Fescue
- .2        20 % Red Top.
- .3        15% Canada Blue Grass

- .4 15 % Kentucky Blue Grass
- .2 Mulch: specially manufactured for use in hydraulic seeding equipment, non-toxic, water activated, green colouring, free of germination and growth inhibiting factors with following properties:
  - .1 Type I mulch:
    - .1 Made from wood cellulose fibre.
    - .2 Organic matter content: 95% plus or minus 0.5%.
    - .3 Value of pH: 6.0.
    - .4 Potential water absorption: 900%.
  - .2 Type II mulch: straw.
  - .3 Use either Type I or Type II mulch.
- .3 Tackifier: water dilutable, liquid dispersion or water soluble vegetable carbohydrate powder.
- .4 Water: free of impurities that would inhibit germination and growth.
- .5 Fertilizer:
  - .1 To Canada "Fertilizers Act" and "Fertilizers Regulations".
  - .2 Complete synthetic, slow release with 35% of nitrogen content in water insoluble form.
- .6 Imported Topsoil: friable, neither heavy clay or of very light sandy nature, containing a minimum of 4% organic matter for clay loams and 2% for sandy loams to a maximum of 20% volume. Free from subsoil, roots, grass, weeds, toxic materials, stones, foreign objects and with an acidity range, PH of 5.5 to 7.5. Topsoil containing crabgrass, couchgrass or noxious weeds is not acceptable.

### **Part 3 Execution**

#### **3.1 WORKMANSHIP**

- .1 Do not spray onto structures, signs, guide rails, fences, plant material, utilities and other than surfaces intended.
- .2 Clean-up immediately, any material sprayed where not intended, to satisfaction of Consultant.
- .3 Do not perform work under adverse field conditions such as wind speeds over 10 km/h, frozen ground or ground covered with snow, ice or standing water. Protect seeded areas from trespass until plants are established.

#### **3.2 PREPARATION OF SURFACES AND PLACEMENT OF TOPSOIL**

- .1 Fine grade subgrade to eliminate uneven areas, low spots and ensure positive drainage. Remove debris, roots, branches, stones in excess of 2" (50 mm) diameter and deleterious materials. Obtain review prior to placing topsoil.
- .2 Spread topsoil evenly over area to be seeded to minimum thickness of 4" (100 mm).
- .3 Fine grade entire topsoil to eliminate uneven areas and low spots. Ensure positive drainage and provide a uniform, smooth finish.
- .2 Roll topsoil with 110 lb (50 kg) roller, minimum 36" (900 mm) wide to compact and retain surface.

- .2 Cultivate area to be seeded to depth of 1" (25 mm).
- .3 Ensure areas to be seeded are moist to depth of 6" (150mm) before seeding.

### **3.3 FERTILIZING PROGRAM**

- .1 Fertilize prior to fine grading, equally distributed.

### **3.4 PREPARATION OF SLURRY**

- .1 Measure quantities of materials by weight or weight-calibrated volume measurement satisfactory to Consultant. Supply equipment required for this work.
- .2 Charge required water into seeder. Add material into hydraulic seeder under agitation. Pulverize mulch and charge slowly into seeder.
- .3 After all materials are in the seeder and well mixed, charge tackifier into seeder and mix thoroughly to complete slurry.

### **3.5 SLURRY APPLICATION**

- .1 Hydraulic seeding equipment:
  - .1 Slurry tank.
  - .2 Agitation system for slurry to be capable of operating during charging of tank and during seeding, consisting of recirculation of slurry and/or mechanical agitation method.
  - .3 Capable of seeding by 165' (50 m) hand operated hoses and appropriate nozzles.
  - .4 Tank volume to be certified by certifying authority and identified by authorities "Volume Certification Plate".
- .2 Slurry mixture applied per hectare.
  - .1 Seed: Grass mixture 330 lb (150 kg).
  - .2 Mulch: Type I or II 2755 lb (1250 kg).
  - .3 Tackifier: 44 lb (20 kg).
  - .4 Water: Minimum 6600 imp. gal. (30,000 L).
  - .5 Fertilizer: 1323 lb (600 kg), ratio 5:20:10
- .3 Apply slurry uniformly, at optimum angle of application for adherence to surfaces and germination of seed.
  - .1 Using correct nozzle for application.
  - .2 Using hoses for surfaces difficult to reach and to control application.
- .4 Blend application 12" (300 mm) into adjacent grass areas to form uniform surfaces.
- .5 Re-apply where application is not uniform.
- .6 Remove slurry from items and areas not designated to be sprayed.
- .7 Protect seeded areas from trespass satisfactory to Consultant
- .8 Remove protection devices as directed by Consultant.

**3.6 MAINTENANCE DURING ESTABLISHMENT PERIOD**

- .1 Perform following operations from time of seed application until acceptance by Consultant.
- .2 Grass Mixture:
  - .1 Repair and reseed dead or bare spots to allow establishment of seed prior to acceptance.
  - .2 Mow grass to 2" (50 mm) whenever it reaches height of 2 3/4" (70 mm). Remove clippings which will smother grass.
  - .3 Fertilize seeded areas 10 weeks after germination provided plants have mature true leaves. Spread half of required amount of fertilizer in one direction and remainder at right angles; water in well. Date and time of fertilization must be approved by Owner prior to execution.
  - .4 Control weeds by mechanical or chemical means utilizing acceptable integrated pest management practices. If chemical means are to be utilized, the date and time of weed control must be approved by Owner prior to execution.
  - .5 Contractor to water seeded area to maintain optimum soil moisture level for germination and continued growth of grass for a minimum of 10 weeks after time of seeding. Control watering to prevent washouts.

**3.7 ACCEPTANCE**

- .1 Seeded areas will be accepted by Consultant provided that:
  - .1 Plants are uniformly established. Seeded areas are free of rutted, eroded, bare or dead spots.
  - .2 Areas have been mown at least twice.
  - .3 Areas have been fertilized.
- .2 Areas seeded in fall will achieve final acceptance in following spring, one month after start of growing season provided acceptance conditions are fulfilled.

**3.8 MAINTENANCE DURING WARRANTY PERIOD**

- .1 Perform following operations from time of acceptance until end of warranty period:
  - .1 Repair and reseed dead or bare spots to satisfaction of Consultant.
  - .2 Fertilize seeded areas in accordance with fertilizing program. Spread half of required amount of fertilizer in one direction and remainder at right angles and water in well.

**3.9 CLEANING**

- .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

END OF SECTION