

## Allen & Sherriff

### Architects, Inc.

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File Ref. 4166

**Tender No.: T18-21 – St. Theresa C.S. Child Care Expansion  
Durham Catholic District School Board  
ADDENDUM #3**

**August 14, 2018**

The following additions, deletions, and amendments shall hereby become a part of the contract documents for the above mentioned project.

### 1. QUESTIONS

1. Question: "In the finish schedule, you specify RSF for rooms 100, 100A, 102 and the list of abbreviations refers to that as Resilient Sports Flooring. In the specifications, you have RSF as resilient sheet flooring. Could you please clarify?"

Answer: The acronym RSF stands for resilient sheet flooring per Specification Section 09650 Part 2.1.2.

### 2. SPECIFICATIONS

1. **Section 02740 – Asphalt Paving**

.1 Add Section 02740 – Asphalt Paving. (attached)

### 3. DRAWINGS

1. **Drawing A1.1 – Site Plan**

.1 Add Sketch ASK-01 to Drawing A1.1 – Site Plan. (attached)

**Attachments: Specification Section 02740 – Asphalt Paving, Sketch ASK-01**

**END OF ADDENDUM # 3**

**PLEASE SIGN & SUBMIT THIS ADDENDUM AS PER DOCUMENT 00200 PARAGRAPH 2.1.7**

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**COMPANY NAME**

**SIGNATURE**

**PRINT NAME**

# **ST. THERESA CATHOLIC SCHOOL - CHILD CARE EXPANSION**

## **SECTION 02740 - ASPHALT PAVING**

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### **PART 1 - GENERAL**

#### **1.1 GENERAL REQUIREMENTS**

- .1 Comply with requirements of Division 1.

#### **1.2 RELATED WORK**

- .1 Fencing: Section 02820

#### **1.3 QUALITY ASSURANCE**

- .1 All work under this Section shall be done by a bonafide road building contractor engaged in paving work for at least five years and having the equipment necessary to carry out the work as specified.
- .2 Comply with applicable requirements of Ontario Provincial Standard Specification OPSS 310.
- .3 Carry out asphalt paving located on public property in accordance with applicable municipal requirements.

#### **1.4 QUALITY CONTROL**

- .1 Owner may arrange and pay out of cash allowance included in Section 01210 for inspection and testing of the work of this Section.
- .2 Testing agency may do any or all of the following as directed by the Consultant:
  - .1 Carry out grain size analysis.
  - .2 Determine minimum and maximum moisture content of densities of granular fill.
  - .3 Determine in-situ density, thickness and moisture content of compacted fills.
  - .4 Check properties of asphalt mixes, including aggregate gradation of asphalt content.
  - .5 Checking suitability of equipment used.

#### **1.5 SUBMITTALS**

- .1 Prior to delivery of materials to site submit gradation tables and, upon Consultant's request, representative samples of base course materials to be used.

#### **1.6 JOB CONDITIONS**

- .1 Environmental Conditions:
  - .1 Carry out work of this Section during dry time of the year, when subgrade is stable.
  - .2 Lay granular base courses and asphalt paving courses when weather is dry and only on dry bases.
  - .3 Place granular base courses only when ambient temperature is above 0°C. Do not place granular materials while either material or subgrade is frozen.
  - .4 Place asphalt paving courses only when ambient temperature is 5°C or more.
- .2 Protection:
  - .1 Prevent unnecessary disturbance and protect existing soils from getting excessively wet. Schedule operations during dry periods. Take other protective steps such as designated

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traffic lanes, temporary roads, half load restriction on vehicles.

- .2 Do not permit vehicular traffic on finished asphalt pavement until it has cooled and hardened and in no case sooner than 6 hours after completion.
- .3 Provide barricades and warning devices to protect pavement.

### **1.7 WARRANTY**

- .1 At no cost to Owner, remedy any defects in work, including work of this and other Sections, due to faults in materials or workmanship provided under this Section of Specifications appearing within a period of 2 years from date of Substantial Performance.

## **PART 2 - PRODUCTS**

### **2.1 MATERIALS**

- .1 Base materials:
  - .1 Clean, hard, durable aggregate free of shale, clay, organic matter and other deleterious substances.
  - .2 Granular base material: OPSS Granular "A" or 19 mm crusher run limestone.
  - .3 Granular subbase materials: OPSS 1010 Granular 'B', Type II or 50 mm crusher run limestone.
- .2 Asphalt:
  - .1 Hot mixed, hot laid asphalt meeting requirements of OPSS 1150:
    - .1 Surface course: H.L. 3
    - .2 Binder course: H.L. 8
  - .2 Tack coat: OPSS 1103, Grade SS-1.

## **PART 3 - EXECUTION**

### **3.1 LINES AND LEVELS**

- .1 Establish and maintain line and grade stakes for duration of work. Obtain Consultant's review and acceptance of pavement layout.
- .2 Conform to contours and grades shown. Uniformly slope grade between elevations shown.
- .3 Slope paving away from building minimum 2%. Slope paving minimum 2% for drainage in all locations unless specifically indicated otherwise. Request clarification from Consultant, where this requirement cannot be met, prior to executing work.

### **3.2 PREPARATION OF SUBGRADE**

- .1 Examine rough graded subgrade over which asphalt paving system is to be installed to ensure it is suitable for installation. Start of work shall imply acceptance of conditions.
- .2 Fine grade subgrade as required to bring it to required levels and slopes. Meet compaction densities and fill material requirements specified in Section 02315. Slope subgrade to permit drainage to catch basins.

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- .3 Thoroughly compact top 300 mm of subgrade to minimum 95% Standard Proctor Maximum Dry Density (SPMDD). Subexcavate soft spots and backfill with suitable fill material and compact to minimum 98% SPMDD.
- .4 Sterilize subbase before granular base is put down. Base shall be naturally curved, sloped and grade to be self- draining.

### **3.3 BASE COURSES**

- .1 Spread, shape and compact granular base course material deposited on subgrade the same day.
- .2 Compact base courses by rolling with power rollers capable of reversing without backlash. Use hand tamping or mechanical hand compaction equipment on areas inaccessible to rollers.
- .3 Install base courses in layers not exceeding 150 mm compacted thickness. Compact each layer of granular base course to minimum 100% SPMDD. Compact each layer of granular subbase course to minimum 100% SPMDD.
- .4 Add water as required to obtain optimum density. Use calcium chloride to control dust.

### **3.4 ASPHALT PAVING COURSES**

- .1 Place hot asphalt mixture over prepared dry base. Asphalt mixture shall be minimum 118°C when applied.
- .2 Roll each asphalt paving course, smooth and uniform. Trim and tamp edges of pavement to a clean and straight line. There shall be no visible aggregate.
- .3 Compact each asphalt paving course in accordance with OPSS requirements to minimum 97% Marshall Bulk Density.
- .4 Thoroughly and uniformly compress the asphalt mixture by rolling soon after being spread, so that it will bear the roller without checking or undue displacement. Delays in rolling freshly spread mixture will not be permitted.
- .5 Consolidate with a power driven roller of sufficient weight until all roller marks are eliminated, and no further compression is possible.
- .6 Along all places which are not accessible to the roller, thoroughly compact by means of hot tampers.
- .7 Curves: all curves shall conform to radii and lines indicated on the drawings. When necessary, construct forms sufficiently braced to withstand the stress of placing and compacting the asphalt.
- .8 Leave edges of asphalt pavement exposed where indicated. Where edges are straight, lay pavement up to a wooden batter board. On completion of rolling, remove batter board and tamp edges. Where edges are curved, trim and tamp asphalt after rolling with a cutting tool.
- .9 Each asphalt paving course after final compaction shall be smooth and true to established crown and grade, and shall comply with the following dimensional tolerances:
  - .1 Thickness: plus or minus 5 mm.
  - .2 Surface variation: maximum 3 mm in 3000 mm.

### **3.5 JOINTS**

- .1 Construct joints to have same texture, density and smoothness as adjacent paving. Cut back edges of previously placed course to expose an even, vertical surface for full course thickness. Clean contact surfaces and apply asphalt tack coat.

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- .2 Offset transverse joints in succeeding courses not less than 600 mm. Offset longitudinal joints in succeeding courses not less than 150 mm.
- .3 Paint surfaces of curbs, manholes, gutters and other elements in contact with asphalt concrete paving with asphalt tack coat.

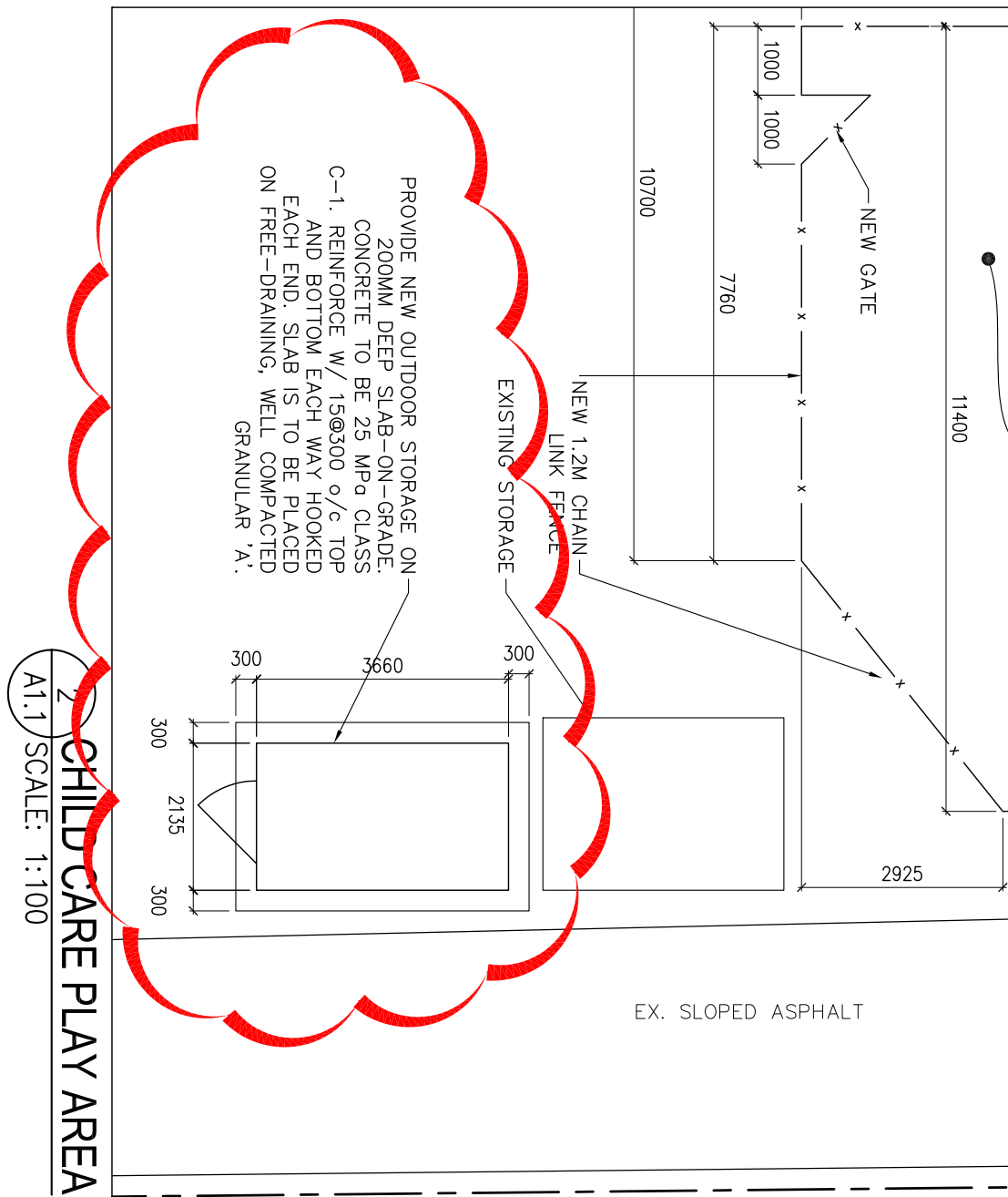
### **3.6 REPAIRS**

- .1 Where repairs are required, including repairs under warranty, cut asphalt to its full depth. Making straight and neat cuts.
- .2 Compact base in approved manner, adding crushed stone material as required.
- .3 Coat all exposed cut edges of existing asphalt pavement with tack coat. Place hot asphalt mixture and consolidate as specified to thickness required.

### **3.7 SCHEDULE**

- .1 Provide the following types of asphalt paving. Thicknesses indicated are compacted thicknesses.
- .2 Provide heavy duty paving at all areas where shown, as follows:
  - 40 mm asphalt surface course
  - 60 mm asphalt binder course
  - 150 mm granular base course
  - 350 mm granular subbase course
- .3 Provide medium duty paving where shown, as follows:
  - 40 mm asphalt surface course
  - 40 mm asphalt binder course
  - 150 mm granular base course
  - 300 mm granular subbase course

**END**



THIS DRAWING TO BE READ IN CONJUNCTION WITH SITE PLAN

# ST. THERESA CHILD CARE EXPANSION

## CONCRETE SLAB FOR STORAGE BUNKER

A&S No.  
4166

**Allen & Sherriff**  
**Architects, Inc.**

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Scale : AS NOTED

Date : 10 AUG 18

Prepared by : S.I.

A1.1

ADD #3

**ASK-01**