Appendix A

SCOPE OF WORK
DRAINAGE, CONNECTIONS & TRENCHING
SCOTT HILL PROJECT

1. GENERAL

A. WORK

The term “Work” includes all labor, materials, equipment and services required of the CONTRACTOR, as shown, described or inferred in the Contract Documents. The CONTRACTOR is only to use its own forces and/or OWNER/CONSTRUCTION MANAGER approved sub-trades to undertake the Work. The CONTRACTOR may not sub out further work without the prior written consent of the OWNER, such consent to be granted at the discretion of the OWNER.

B. WORK, LICENCES, PERMITS AND INSPECTIONS

The CONTRACTOR agrees to do all work in accordance with the plans, specifications, and performance standards and in accordance with good building practice, any and all civic, municipal, provincial and federal laws and codes pertaining thereto and to the satisfaction of the OWNER. The CONTRACTOR further agrees to obtain all licenses required in connection with his work and to inform the site superintendent of the date and time work will be ready for inspection as well as nature of the inspection.

C. LIABILITY INSURANCE

The CONTRACTOR shall provide and maintain, at his expense, a minimum of $2,000,000 general liability insurance against claims made for damages for personal injury or property damage by reason of anything done or not done by the CONTRACTOR, its employees or agents, in connection with the performance of this Agreement. The OWNER and the CONSTRUCTION MANAGER are to be named insured. Proof of such insurance must be submitted with the CONTRACTOR’s first progress draw invoice.

D. WORKSAFE B.C.

At any time during the term of this Contract when requested by the OWNER, the CONTRACTOR shall provide such evidence of compliance by himself and any or all of his Sub-Contractors with all requirements with respect to payments and rules and regulations under the Workers’ Compensation Act. The CONTRACTOR shall conduct weekly safety meetings and supply appropriate paperwork to the Site Superintendent as required by WorkSafe B.C.

E. HEALTH & SAFETY PLAN

The CONTRACTOR acknowledges that he has read the Chysik Project Management Health and Safety Plan Manual and agrees with the content and the intent of the manual. In the interest of the health and safety of the site workers, the CONTRACTOR further agrees to comply with all aspects of the Chysik Project Management Health and Safety Manual as well as all Workers Compensation Act and WorkSafe BC regulations and requirements.

F. GENERAL SITE MAINTENANCE

1. Cardboard to be crushed and placed in appropriate bin.

2. The CONTRACTOR shall clean up, remove, and dispose of all debris associated with this work to the bin provided by OWNER. Maintain cleanliness of the property at all times.

3. All work, including start-up of equipment, is to be performed during regular working hours as per the City of Surrey bylaws.

4. The CONTRACTOR is responsible for protecting the work of other trades from any damage caused by his own work forces;
5. The CONTRACTOR shall be responsible for the repair and/or replacement of any protected trees damaged by his own work forces.

G. GENERAL RESPONSIBILITIES

1. The Contractor is responsible to familiarize himself with the site and point out any potential problems before starting the job.

2. The awarding of this Contract shall be based on the assurance that adequate, qualified manpower will be provided to carry out this scope of work, and work will be commenced and completed as per the Project Schedule, as revised from time to time by the CONSTRUCTION MANAGER.

3. Upon award of this contract, the CONTRACTOR shall provide certification of WorkSafe BC registration and good standing, and current letter of clearance. Provide WorkSafe BC letters of clearance on a monthly basis thereafter.

4. Provide all necessary equipment and flagging personnel required for off-loading handling and distribution of the CONTRACTOR's materials.

5. Provide additional labour, including safety personnel, for overtime and Saturday work as required from time to time to comply with Project Schedule at no additional cost to the OWNER.

6. Provide all necessary temporary facilities necessary to carry out this work. Obtain permission from the CONSTRUCTION MANAGER prior to locating any temporary facilities on site. Erection of any sign on the site by the CONTRACTOR or its Sub-Contractors is not allowed without permission from the OWNER and CONSTRUCTION MANAGER.

7. Cooperate with other trades to ensure a smooth and safe flow of work. Provide a plan detailing sequencing of work to the CONSTRUCTION MANAGER.

8. Provide a certified Trade Safety Coordinator as required by WCB and the City of Surrey bylaws. Provide certification of qualification to the CONSTRUCTION MANAGER.

9. The CONTRACTOR agrees that the OWNER is not responsible for fire, theft, loss and/or vandalism of any of the CONTRACTOR’s tools, equipment, materials, supplies and/or work in progress.

10. It is the intent of this contract to be complete and functional in all respects meeting all applicable codes and requirements and to the final approval of local governing authorities having jurisdiction;

11. The Contractor confirms that he is an expert in this field of work and is fully knowledgeable and experienced in all aspects of procedures, methods, regulations, codes and municipal requirements and the Contractor further acknowledges that the OWNER is relying on this expertise.

1.2 DRAINAGE & CONNECTIONS

A. The Contractor shall supply all required expertise, labor, tools, equipment, materials, and services required to provide a complete drainage system for each building in accordance with the plans, specifications and, Provincial and Municipal codes and regulations and satisfactory to the OWNER.

B. The Drainage and Connections work for each building shall include, but shall not necessarily be limited to, the following:

1. Provide 4” rigid perforated PVC perimeter drain tile and 4” solid PVC rainwater leaders both connected to a 30” sump concrete sump in accordance with the mechanical drawings and to the satisfaction of the mechanical consultant and the City of Surrey.

2. Provide a 12” minimum cover over the perforated drain tile of ¾” drain rock and filter cloth cover to the satisfaction of the City of Surrey.
3. Provide cleanouts as required to the satisfaction of the mechanical consultant and the City of Surrey.

4. Provide rainwater leaders as required and as directed by the site superintendent.

5. Provide a 6” connection from the 30’ sump to the storm sewer connection to the satisfaction of the mechanical consultant and the City of Surrey.

6. Provide 4” connection for the sanitary system, installed by the plumbing contractor 3’ beyond the perimeter of the building, to the sanitary sewer connection to the satisfaction of the mechanical consultant and the City of Surrey.

7. Provide connections for the individual unit water supply line, installed by the plumbing contractor 3’ beyond each unit to the water shut-off manifold connection box.

1.3 TRENCHING

A. The Contractor shall supply all required expertise, labor, tools and equipment required for the trenching for each building in accordance with the plans, specifications and, Provincial and Municipal codes and regulations and satisfactory to the Owner.

B. The Trenching work for each building shall include, but shall not necessarily be limited to, the following:

1. Liaise with the electrical contractor and cable/telephone line contractor to ensure trenching is to their requirements and satisfaction.

2. Trench for all telephone and cable for each building to the main electrical rooms to each building.

3. Trench for all electrical from the electrical kiosks to the main electrical room to individual buildings.

4. Trench for all water lines from each building water supply manifold to each unit as required by the Plumbing contractor.

5. Supply and install a 4” sand base at the bottom of all trenches for bedding cable and telephone cable conduits.

6. Install all conduit, supplied by others, for electrical, telephone, and cable.

7. Supply and install pull-strings in all conduit.

8. Upon completion of the installation of electrical cables and telephone and cable conduit, the CONTRACTOR shall cover all such cables and conduits with a minimum of 4” of sand and then carefully backfill trenches with native materials. The CONTRACTOR is to ensure no large rocks, concrete or building materials are backfilled within the trenches.

9. The Contractor shall be responsible for any blockage and/or breakage in the conduit and shall repair any such blockage and/or breakage at no additional cost to the Owner.