

**1.0 GENERAL**

**1.1 DOCUMENTS**

- .1 This section of the Specification forms part of the Contract Documents and is to be read, interpreted, and coordinated with all other parts.

**1.2 SUMMARY**

- .1 Section Includes:

- 1.0 GENERAL
- 1.1 DOCUMENTS
- 1.2 SUMMARY
- 1.3 INTER-BUILDING FACILITIES - OVERVIEW
- 1.4 COORDINATION WITH UBC UTILITIES
- 1.5 COORDINATION WITH UBC INFORMATION TECHNOLOGY
- 1.6 DUCT SELECTION
- 1.7 CONTRACTOR SUPERVISION
- 1.8 APPROVED CONTRACTOR LIST – OP FIBRE
- 1.9 LABELING
- 1.10 RECORD DRAWINGS
- 1.11 ENTRANCE CABLE PROTECTORS

**1.3 INTER-BUILDING FACILITIES - OVERVIEW**

- .1 When installing cable in empty ducts, the installation of sub-ducting, as directed by the Engineer of Record, is optional. A pull rope shall be installed in each sub-duct or main duct. All pull ropes used when installing cables must be replaced with same or better strength and quality of pull rope.
- .2 Provide all necessary record drawings and permits as required by UBC Utilities.
- .3 Provide all required Engineering reports to Information Technology Representative and copy of permits as required.

**1.4 COORDINATION WITH UBC UTILITIES**

- .1 Richard Hugli

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Building Operations – UBC Utilities

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## 1.5 COORDINATION WITH UBC INFORMATION TECHNOLOGY

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## 1.6 DUCT SELECTION

- .1 UBC Utilities shall provide duct assignments in conjunction with the Information Technologies representative and the Engineer of Record.

## 1.7 CONTRACTOR SUPERVISION

- .1 Engineer of Record shall be responsible for all up to date certification, code and UBC standard compliances.
- .2 Engineer of Record shall provide manhole verifications and installation contractor supervision as required.

## 1.8 APPROVED CONTRACTOR LIST – Outside Plant

- .1 The following Contractors have been pre-approved by UBC Information Technology and are eligible to perform Outside Plant Communications Infrastructure work at the University of British Columbia – Point Grey campus:
  1. West Net Communications Inc
  2. Dixon Networks Corp

## 1.9 LABELING

- .1 UTP Cable: After terminating, the cable shall be identified at each termination on BIX connector labels (Green).
  - i.e. HA-6 represents Henry Angus Hub-site, Cable #6
- .2 Individual pairs are identified with a sequential number in increments of 25.
  - i.e. 501-525.526-550, etc.
- .3 Fibre Optic Cable: After terminating, the cable shall be identified at the fibre distribution panel with three groups of characters. The first group represents the originating hub-site.

The second represents the cable type. The third represents the cables sequential appearance on the originating hub-site frame.

i.e. SSW-FO-01 represents School of Social Work Hub-site, fibre optic cable, #1.

.4 Individual fibres strands are further identified indicating type and sequence.

i.e. SM-01, SM-02 indicating single mode fibre strand # 1 and strand #2.

Strand numbering will re-start for each discreet cable.

#### **1.10 RECORD DRAWINGS**

.1 Provide routing and associated Manhole detailed drawings as required. These record drawings must be in the standard UBC Utilities format.

.2 Provide hard and soft copies to Information Technology Representative.

#### **1.11 ENTRANCE CABLE PROTECTION**

.1 Location of entrance facility terminations and protectors in the Main Communications room of a building shall be coordinated with the Information Technology Representative.  
(Refer to Standard Drawings ITSTD-04, ITSTD-06)

**END OF SECTION 27 05 06**