

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 [Stan Takenaka](#)

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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