

## IMPORTANT INFORMATION READ BEFORE EXCAVATING

### **Background**

Endeavour Energy is able to make available plans of its underground assets to persons who intend to undertake excavation works in Endeavour Energy's distribution area.

We have set out below important information regarding the recommended procedures that should be followed when using this service and also the extent of our responsibility in respect of any plans provided.

**Any plans provided to you are made available subject to the provisions set out below.**

**It is very important that you read and understand all the information and disclaimers provided below before making a request for plans.**

### **Information Provided by Endeavour Energy**

- Any plans provided pursuant to this service are intended to show the approximate location of underground cables relative to fixtures when cables were laid.
- Such plans have been prepared solely for use by Endeavour Energy staff for design, construction and maintenance purposes.
- All enquiry details and results are kept in a register.

### **DISCLAIMER**

Whilst Endeavour Energy has taken all reasonable steps to ensure that the information contained in the plans is as accurate as possible it will accept no liability for inaccuracies in the information shown on such plans.

### **CUSTOMER REQUESTS AND RESPONSIBILITIES:**

- If you intend to undertake any excavation work in Endeavour Energy's distribution area, it is your responsibility to contact **1100 – Dial Before You Dig** or **www.1100.com.au** and request plans, at least three working days prior to the proposed excavation date.
- Endeavour Energy expects to be able to provide relevant plans within 48 hours after a request is made.
- Endeavour Energy plans are frequently updated to record changes to underground assets. All plans are valid for **20** working days only from the date of issue therefore excavation should take place as soon as possible after the plans have been received. All plans provided by Endeavour Energy are subject to the warning set out below.
- Endeavour Energy retains copyright over all plans and details provided in response with customer's request.
- Persons excavating are expected to exercise all due care in the vicinity where cables are indicated and will be held responsible for any damage to any underground assets (including any Endeavour Energy property) or any other loss caused (including consequential losses) as a result of such excavations. All underground assets should be visually located by hand digging (pot holing).

- **Any damage to Endeavour Energy's assets must be reported to it on 131003 immediately.**

#### **Further Information:**

- Individual customer service cables are not shown on Endeavour Energy's plans.
- For further clarification on cable locations or the correct interpretation of the plan or for assistance with printing plans, please contact **02 98534161** between 8.00am – 4.30pm, Monday to Friday.
- For information concerning proposed works affecting your property contact Endeavour Energy's Contestable Works Administrators nearest Service Centre.

#### **WARNING:**

**Endeavour Energy's plans show only the presence of cables and their position relative to road boundaries, property fences and other structures at the time of installation. Endeavour Energy does not warrant or hold that such plans are accurate.**

**A person who undertakes excavation work is subject to duties and responsibilities under the *Work Health and Safety Act 2011 (NSW)*. The WorkCover Authority has prepared the *Work Near Underground Assets Guideline*, which contains practical advice for working near underground utility services and guidance as to how to meet the requirements of the *Work Health and Safety Act 2011 (NSW)* when carrying out excavation work.**

**DO NOT ASSUME DEPTH OR ALIGNMENT of cables as these vary significantly as a result of changes to road widths, road levels, fences or buildings subsequent to installation.**

**Persons excavating have a DUTY OF CARE when excavating near Endeavour Energy's cables. Before using machine excavators, Endeavour Energy's cables MUST FIRST BE PHYSICALLY EXPOSED BY SOFT DIG (pot holing) to identify its location.**

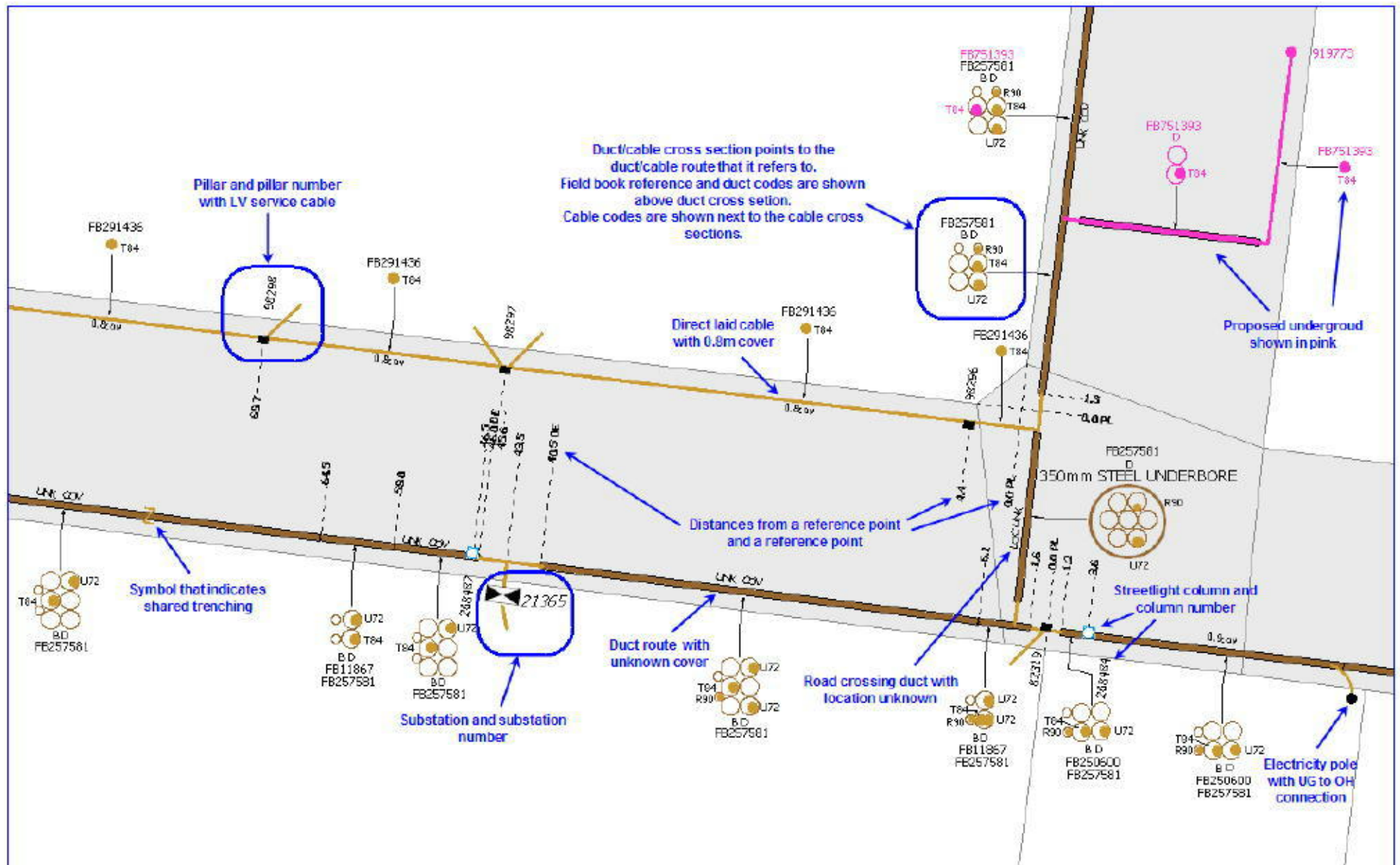
**Those excavating near Endeavour Energy's cables should be aware that asbestos or asbestos-containing material may be present in Endeavour Energy's underground assets and that Organo-Chloride Pesticides (OCP) may be present in some sub-transmission trenches. Please refer below (pages 4 & 5) for the method for identifying asbestos ducts.**

**ALL ELECTRICAL APPARATUS SHALL BE REGARDED AS LIVE UNTIL PROVED DE-ENERGISED. Contact with live electrical apparatus will cause severe injury or death.**

**In all cases of electric shock or suspected electric shock the victim shall immediately be transported to hospital or medical centre for treatment.**

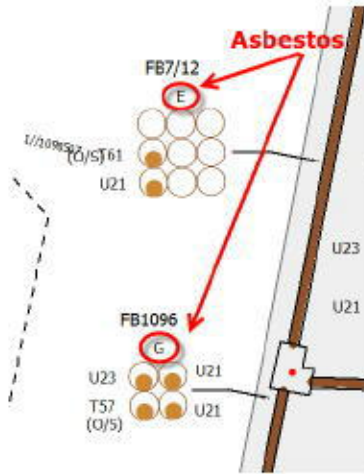


## EXAMPLE OF HOW TO READ ENDEAVOUR ENERGY PLANS



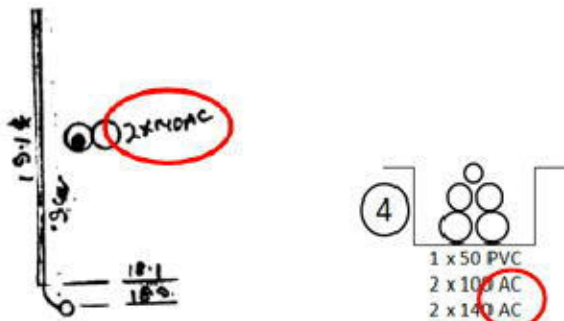
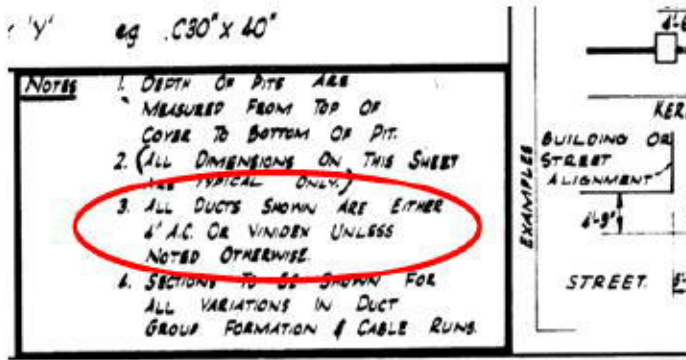
## ASBESTOS DUCTS

1. Duct codes of **E, F** and **G** identify Fibro Conduit

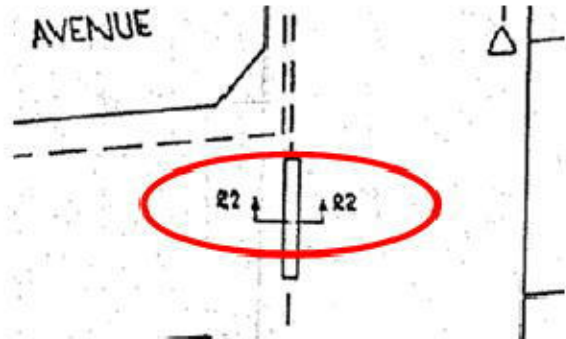
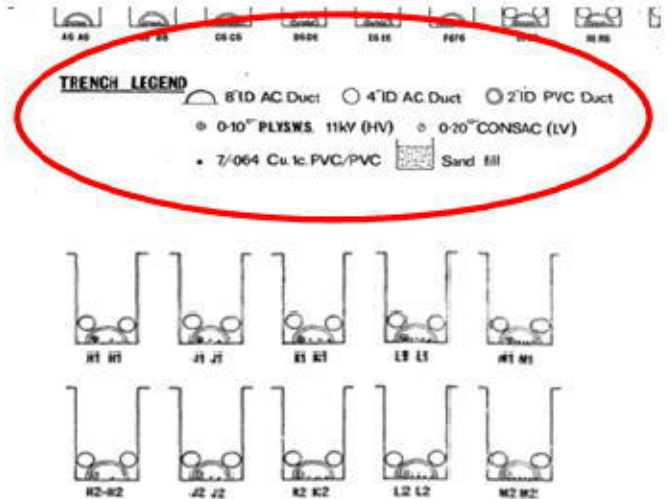


If underground details have not been captured and drawings are used, the method for identifying asbestos ducts and standards are different for the different utilities that amalgamated with Endeavour Energy. Using Reticulation Drawings, there are numerous ways to determine if a duct route has asbestos ducts, refer to following examples:

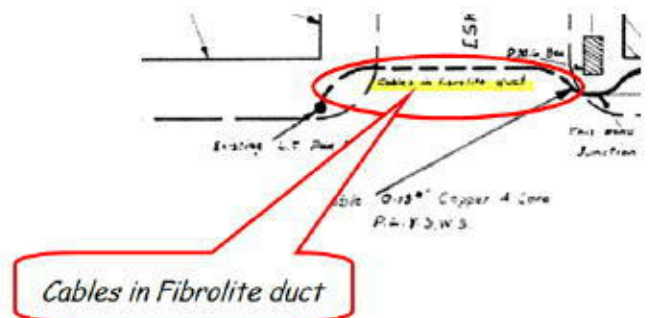
2. **AC** (Asbestos Cement) acronym



3. The duct codes **G,H,J,K,L,M Q,R,S,T,U,V,W & X** under each configuration is used on old Blue Mountains drawings to represent Asbestos.



4. **Fibrolite** (asbestos) ducts



**If you are NOT able to identify the material used assume that it contains ASBESTOS and if further clarification is required, call 02 9853 4161 for assistance.**

## STANDARD UNDERGROUND SYMBOLS / LABELS

**NOTE:** If symbology has not been provided on the plan use symbols as shown below.

|                                                                                                                                                                        |                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
|  or  | Street light column          |
|                                                                                       | Padmount substation          |
|  or  | Overground pillar (O.G.Box)  |
|                                                                                       | Underground pit              |
|                                                                                       | Duct run                     |
|                                                                                       | Cable run                    |
|                                                                                       | Typical duct section         |
|                                                                                       | Typical underbore section    |
|                                                                                       | Blocked duct                 |
|                                                                                       | Cable section                |
|                                                                                       | STJ, PBJ                     |
| STJ                                                                                                                                                                    | Straight through joint       |
| PBJ                                                                                                                                                                    | Parallel branch joint        |
|                                                                                     | Underground to overhead pole |
| SL                                                                                                                                                                     | Streetlight conductor        |
| SC                                                                                                                                                                     | Service cable                |
| SE                                                                                                                                                                     | Cable sealed end             |
| SF                                                                                                                                                                     | Service Feeder               |
| OS                                                                                                                                                                     | Out of Service               |
| O.A.M.                                                                                                                                                                 | Over awning main             |
| U.A.M.                                                                                                                                                                 | Under awning main            |
| N.I.S.                                                                                                                                                                 | Not in service               |
|                                                                                     | Shared trenching             |
|                                                                                     | Service point of attachment  |

### DUCT CODE LABELS

**B** = 50 mm PVC

**D** = 125mm PVC

**E** = 100mm Fibro Conduit (Asbestos)

**F** = 140mm Fibro Conduit (Asbestos)

**G** = 150mm Fibro Conduit (Asbestos)

### DEPTH & LOCATION LABELS

**0.5- 0.7 COV** = 500mm – 700mm  
Standard Depth (Not Shown on Plans)

**0.9 COV** = 900mm Depth

**UNK COV** = Depth Unknown

**LOC UNK** = Location Unknown

**0.6 PL** = Standard Location 600mm from  
Property Line (Not Shown on Plans)

**0.9 PL** = Located 900mm from Property Line