



- 1 MAR 2016

DEVELOPMENT ASSESSMENT AND SYSTEMS PERFORMANCE

RECEIVED - JINDABYNE  
AS BUILT CHECKLIST

LIST OF THE STANDARD MINIMUM 'AS BUILT' INFORMATION REQUIRED AS PART OF COMPLETION OF ALL EXTERNAL FIBRE CABLE RUNS. NOTE THAT SOME OF THIS INFORMATION WILL ALREADY BE CONTAINED IN THE 'DESIGN/WORKING DRAWINGS' AND MAY ONLY NEED CONFIRMATION. ALL INFORMATION MUST BE ACCURATE AND LEGIBLE.

THE FOLLOWING MUST BE CHECKED AND TICKED OFF AT COMPLETION OF WORKS AS PART OF THE HANDOVER OF ALL AS BUILT DRAWINGS

- TICK
- WHOLE CABLE ROUTE FROM SPLICE TO CUSTOMER/SPLICE (TO INCLUDE NEW OPTUS DUCT, EXISTING OPTUS DUCT, DUCT LEASED FROM OTHER CARRIERS (EG TELSTRA) AND ANY AERIAL)
  - DISTANCES OR CHAINAGE BETWEEN PITS/MANHOLES (TO INCLUDE NEW OPTUS DUCT, EXISTING OPTUS DUCT, DUCT LEASED FROM OTHER CARRIERS (EG TELSTRA) AND ANY AERIAL)
  - PIT LOCATIONS AND PIT TYPES (EG: P5, AB, P9, A10 ETC). INCLUDE EXISTING OPTUS PITS AND ANY OTHER CARRIERS PITS/MANHOLES
  - ANY EXISTING AND/OR NEW SPLICES CREATED
  - CABLE READINGS FOR WHOLE ROUTE - FROM SPLICE TO CUSTOMER/SPLICE: MANUFACTURER: EG: SAMSUNG  
MODEL NUMBER: EG: 12/72 SMOF MINI  
SERIAL NUMBER: EG: BN12345  
DATE OF MANUFACTURE: EG: 09/2008  
CABLE DISTANCE IN METRES - SHOW ACTUAL CABLE METRE READINGS
  - ALL COILS AND THEIR LENGTHS (PIT OR AERIAL) - SHOW SHEATH READING AT COIL START AND END
  - OPTUS CONDUIT SIZE FOR BOTH NEW CONSTRUCTION AND EXISTING OPTUS (EG: P50 OR P100/3xP32, ETC)
  - DEPTH OF COVER AND OFFSET FROM PROPERTY LINE FOR NEW OPTUS CONSTRUCTION SHOW AT CHANGE OF DIRECTION OR EVERY 25 METRES
  - BORE LOG FOR NEW OPTUS CONSTRUCTION - SHOW BORE START/FINISH LOCATIONS
  - LEASED DUCT ALLOCATIONS (CONFIRM DUCT USED BY OPTUS) - FOR ALL LEASED DUCT (EG: TELSTRA, EA, CITIPOWER, ENERGEX, ETSA, ETC)
  - LEASED FACILITIES DUCT NUMBER (EG: TELD01274M01) (SHOULD BE ON DESIGN DRAWINGS ALREADY) - FOR ALL LEASED DUCT (EG: TELSTRA, EA, CITIPOWER, ENERGEX, ETSA, ETC)
  - MARKER POST LOCATIONS AND NUMBER: FROM PRE-ASSIGNED LIST. COMPLETE WITH GPS COORDINATES

AS BUILT APPROVAL:

CONTRACTOR COMPANY/REP: \_\_\_\_\_ / \_\_\_\_\_ DATE: \_\_\_\_\_  
OPTUS: \_\_\_\_\_ DATE: \_\_\_\_\_

FDR (FDD) :NSW (SYD) – FIBRE NETWORK  
PROJECT/SITE : THREDBO CBD GSM  
ADDRESS : FRIDAY DR THREDBO  
ORDER : E01866896  
PROJECT NUMBER : --  
DUCT REFERENCE : TELD06592TP01

DRAWING INDEX

- CVR COVER SHEET
- R01 ROUTE OVERVIEW
- C01 CABLE ROUTE OVERVIEW
- 001-003 DETAILED ROUTE MAPS
- EWM ENVIRONMENTAL NOTES

BILL OF QUANTITIES

Type		
Proposed CABLE	Samsung 6/36 SMOF	380
Proposed CABLE	Samsung 12/796 SMOF	2115
Proposed CABLE	Samsung 12/72 SMOF [AJL]	60
Proposed PIT	MH - OTHER UTIL	6
Proposed PIT	AB PIT - SIKA LOCKING LID	1
Proposed PIT	PIT - OTHER UTIL	11
Proposed PIT	A10 PIT - SIKA LOCKING LID	2
Proposed PIT	P4 PIT - CHANNEL (POLYCRETE LID)	5
Proposed PIT	P5 PIT - CHANNEL (POLYCRETE LID)	1
Proposed PIT	MH - BREAKOUT	3
Proposed PIT	Building Entry Point	1
Proposed SPLICE	FIST B6 (AJL)	2
Proposed SPLICE	FIST B6 (BJL)	2
Proposed TRENCH	P100/4xP32	11
Proposed TRENCH	P50	148
Proposed TRENCH	Leased Sub-Duct - New	1623

DISCLAIMER:

1. FOOTAGE TEXT - ANY FOOTAGE DISTANCES SHOWN ARE INDICATIVE ONLY AND NEED TO BE CONFIRMED PRIOR TO CONSTRUCTION.
2. PROPERTY BOUNDARIES - DETAILED ROUTE DRAWINGS SHOW PROPERTY BOUNDARIES ONLY. AS A RESULT THE ROAD WIDTH ALSO INCLUDES THE FOOTPATH AS THE BACK OF KERB LINES ARE NOT SHOWN (EG NO ROAD FORMATION IS SHOWN).

PRELIMINARY  
DRAWING SET

CAD REF No: E01866896\_PD.DWG

<p><b>OPTUS DISCLAIMER</b></p> <p>THIS DOCUMENT HAS BEEN PREPARED SOLELY FOR THE USE OF OPTUS NETWORKS PTY LTD (ACN 008 510 330) FOR USE IN MAINTAINING OPTUS FACILITIES. IT HAS NOT BEEN CREATED FOR ANY OTHER USE. IT SHOULD NOT BE USED TO LOCATE OPTUS ASSET. NO WARRANTY IS GIVEN THAT THE INFORMATION IS ACCURATE OR COMPLETE. IF YOU REQUIRE FURTHER INFORMATION REGARDING THE LOCATION OF AN OPTUS ASSET PLEASE PHONE 1850 505 113.</p> <p>LOCATION OF UTILITIES ARE INDICATIVE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED ON SITE BY THE UTILITY OWNER FOR THE CONTRACTOR.</p>	<p>--- CONDUIT - PROPOSED OPTUS CONSTRUCTION</p> <p>--- CONDUIT - EXISTING</p> <p>-A- AERIAL STRAND (CATENARY WIRE)</p> <p>DB DIRECT BURIED CABLE</p> <p>P50 CONDUIT CONFIGURATION</p> <p>PHOTO REFERENCE NUMBER REFER PHOTO PACK DOCUMENTATION</p>	<p>OPTUS 5 PIT</p> <p>OPTUS 8 PIT</p> <p>OPTUS 9 PIT</p> <p>OPTUS 10 PIT</p> <p>OTHER UTILITY PIT</p> <p>OTHER UTILITY MANHOLE</p> <p>OTHER UTILITY MANHOLE BREAKOUT REQUIRED</p>	<p>ENVIRONMENTAL NOTES REFER EWM SHEETS</p> <p>FIBRE TERMINATION POINT</p> <p>POWER POLE</p> <p>OPTUS MARKER POST</p> <p>FIBRE CABLE COIL</p> <p>FIBRE CABLE COIL LENGTH</p> <p>DEPTH OF COVER (m)</p> <p>CONDUIT OFFSET FROM PROPERTY LINE (m)</p>	<p>CONTRACTOR</p> <p>CS INTERNATIONAL</p>	<p>KEY PLAN</p>	<p>YES OPTUS - FIBRE OPTIC CABLE PROJECTS</p> <p>DRAWING TITLE NSW (SYD) - FIBRE NETWORK THREDBO CBD GSM FRIDAY DR THREDBO FIBRE CABLE ROUTE</p> <p>DUCT REFERENCE: TELD06592TP01</p> <p>PROJECT/EO No: --/E01866896</p> <p>CADREF No: E01866896_PD.DWG</p> <p>SCALE 1:2000 SHEET No CVR REV PD</p>														
	<table border="1"> <thead> <tr> <th>PO</th> <th>20.01.16</th> <th>PRELIMINARY DRAWING ISSUE</th> <th>SNC</th> <th>JW</th> </tr> </thead> <tbody> <tr> <td>REV</td> <td>DATE</td> <td>DESCRIPTION</td> <td>DRAWN</td> <td>APPROVED</td> </tr> <tr> <td colspan="5" style="text-align: center;">AMENDMENTS</td> </tr> </tbody> </table>	PO	20.01.16	PRELIMINARY DRAWING ISSUE	SNC	JW	REV	DATE	DESCRIPTION	DRAWN	APPROVED	AMENDMENTS								
PO	20.01.16	PRELIMINARY DRAWING ISSUE	SNC	JW																
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AMENDMENTS																				

- NOTES:**
- 1 x PSB CONDUIT AND SUBURTS(S) USED UNLESS OTHERWISE NOTED (UNDERGROUND)
  - BOUNDARY TO BE LOCATED PRIOR TO CONSTRUCTION
  - CONDUIT DEPTH TO BE IN ACCORDANCE WITH OPTUS SPECIFICATIONS. ANY VARIATION IS TO BE NOTIFIED TO OPTUS PRIOR TO COMMENCEMENT OF CONSTRUCTION
  - SERVICES SHOWN ARE INDICATIVE ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES ACCURATELY PRIOR TO CONSTRUCTION
  - ALL RELEVANT PUBLIC AUTHORITIES ARE TO BE NOTIFIED PRIOR TO COMMENCEMENT OF ANY WORK
  - ALL AFFECTED PROPERTIES TO HAVE ACCESS MAINTAINED AT ALL TIMES
  - WHERE TREEMING OCCURS, COMPLY WITH GUIDELINES FOR TREEMING IN URBAN AREAS
  - BEFORE THE COMMENCEMENT OF ANY TREEMING OF TREES, THE RELEVANT LOCAL COUNCIL IS TO BE NOTIFIED FOR APPROVAL AND/OR SUPERVISION PRIOR TO CONSTRUCTION
  - REFER TO ATTACHED SHEETS FOR SYMBOL LEGENDS AND ENVIRONMENTAL WORK PRINCIPAL DIRECTIONS
  - THE CONDUIT, SUBURTS AND COVER INFORMATION HAS BEEN SUPPLIED BY THE CONTRACTOR AND/OR OPTUS
  - CONDUIT COVER LOCATIONS ARE INDICATIVE ONLY AND ARE TO BE USED AS A GUIDE. CARE SHOULD BE TAKEN WHEN WORKING IN PROXIMITY OF CONDUIT
  - REFER TO ROUTE OVERVIEW SHEET FOR LOCALITY
  - PITS AND POLES HAVE BEEN APPROXIMATELY LOCATED. THE UNDERGROUND CONDUIT HAS NOT BEEN LOCATED AND THE POSITION SHOWN IS INDICATIVE ONLY
  - CADASTRE COPYRIGHT OPTUS AND LAND & PROPERTY INFORMATION

SITE CODE: 2NZM  
 EQUIPMENT: FPP LGX-36  
 TERMINATION: G002 F02.030  
 CABLE MARKINGS:  
 SHEATH NAME: 2NZMBS001  
 BUILDING ENTRY: —  
 TERMINATION:  
 TO SPLICE: 22AJL12694

SHEATH NAME: 2NZMBS001  
 36 FIBRE (U/G AND AER)  
 SERIAL No: —  
 DATE OF MAN: /20  
 CABLE LENGTH: 360

SHEATH NAME: 22BSS28303  
 96 FIBRE (U/G AND AER)  
 SERIAL No: —  
 DATE OF MAN: /20  
 CABLE LENGTH: 540

PROPOSED  
 A10 PIT - SIKA LOCKING LID  
 PIT/MH #: 22MH77746  
 SPLICE NAME: 22BJL12921  
 MANUFACTURER: —  
 MODEL: FIST BE6  
 TRAYS: —  
 CABLE MARKINGS:  
 SHEATH NAME: 22BSS28304R/G  
 WALL: —  
 SPLICE: 22AJL12694  
 TO: —  
 CABLE MARKINGS:  
 SHEATH NAME: 22BSS28303  
 WALL: —  
 SPLICE: 22BJL12920  
 TO: —

PIT/MH #: —  
 SPLICE NAME: 22AJL12694  
 MANUFACTURER: —  
 MODEL: FIST BC6  
 TRAYS: —  
 CABLE MARKINGS:  
 SHEATH NAME: 2NZMBS001  
 WALL: —  
 SPLICE: —  
 TO: 2NZM G002 F02.030  
 CABLE MARKINGS:  
 SHEATH NAME: 22BSS28304R/G  
 WALL: —  
 SPLICE: 22BJL12921  
 TO: —

PROPOSED 6/36 SMOF CABLE TO BE INSTALLED  
 IN PROPOSED OPTUS CONSTRUCTION

PROPOSED 12/96 SMOF CABLE TO BE INSTALLED  
 IN LEASED TELSTRA CONDUIT AS PER STUDY TELD06592TP01

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LOCATION OF UTILITIES ARE INDICATIVE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED ON SITE BY THE UTILITY OWNER PRIOR TO CONSTRUCTION.

REV	DATE	DESCRIPTION	DRAWN	APPROVED
PD	20 01 16	PRELIMINARY DRAWING ISSUE	SNC	JW

**SYMBOL LEGEND**

- CONDUIT - PROPOSED OPTUS CONSTRUCTION
- CONDUIT - EXISTING
- - - AERIAL STRAND (CATENARY WIRE)
- DB DIRECT BURIED CABLE
- PSO CONDUIT CONFIGURATION PHOTO REFERENCE NUMBER REFER PHOTO PACK DOCUMENTATION

- 5 OPTUS 5 PIT
- 8 OPTUS 8 PIT
- 9 OPTUS 9 PIT
- 10 OPTUS 10 PIT
- OTHER UTILITY PIT
- OTHER UTILITY MANHOLE
- OTHER UTILITY MANHOLE BREAKOUT REQUIRED

**ENVIRONMENTAL NOTES**  
 REFER EWM SHEETS  
 FIBRE TERMINATION POINT  
 POWER POLE  
 OPTUS MARKER POST  
 FIBRE CABLE COIL  
 FIBRE CABLE COIL LENGTH  
 0.6 DEPTH OF COVER (m)  
 2.4 CONDUIT OFFSET FROM PROPERTY LINE (m)



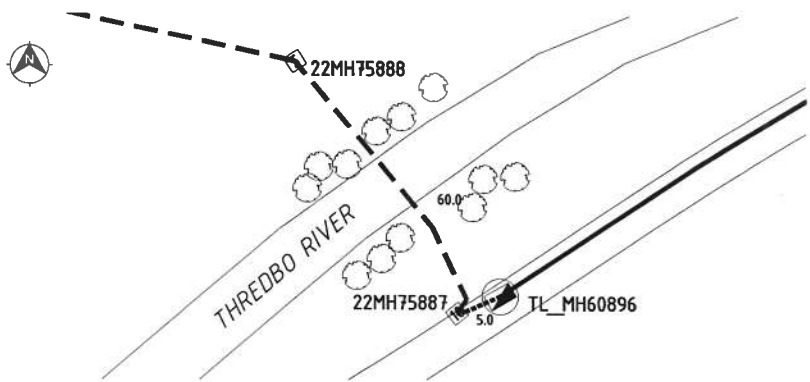
KEY PLAN

001	002	003
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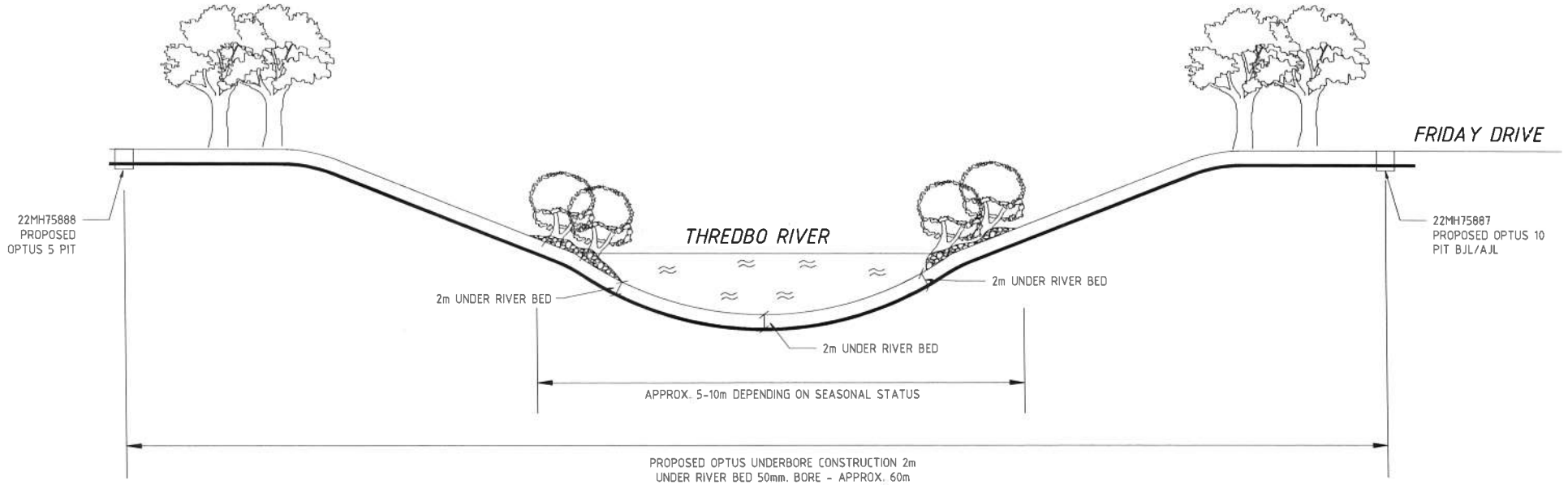
**YES OPTUS - FIBRE OPTIC CABLE PRODUCTS**

DRAWING TITLE  
 NSW (SYD) - FIBRE NETWORK  
 THREDBO CBD GSM  
 FRIDAY DR THREDBO  
 FIBRE CABLE ROUTE

DUCT REFERENCE: TELD06592TP01  
 PROJECT/ED No: --/E01866896  
 CADREF No: E01866896\_PD.DWG  
 SCALE: 1:2000 SHEET No: 003 REV: PD



**LONGITUDINAL SECTIONAL VIEW**  
SCALE NTS



**CROSS SECTIONAL VIEW**  
SCALE NTS

- NOTES**
1. FOR SITE FIBRE CABLE DETAILS REFER TO BACKBONE CABLING DIAGRAM.
  2. OPTUS PIT
  3. TELSTRA MANHOLE
  4. DUCT CONFIGURATION

**PRELIMINARY**

 <a href="http://caddevsppw002.optus.com.au/vmr/">http://caddevsppw002.optus.com.au/vmr/</a>	DRAWN: GM	THREDBO CBD	
	DATE: 12.02.16	FRIDAY DRIVE THREDBO	
	AMENDMENTS	XSECTIONAL VIEW THREDBO RIVER	
	BY: ED 1866896	ISSUE	SCALE
CKD: AA	A	N.T.S.	A2
DATE: 12.02.16	NSW-2NZM-01		