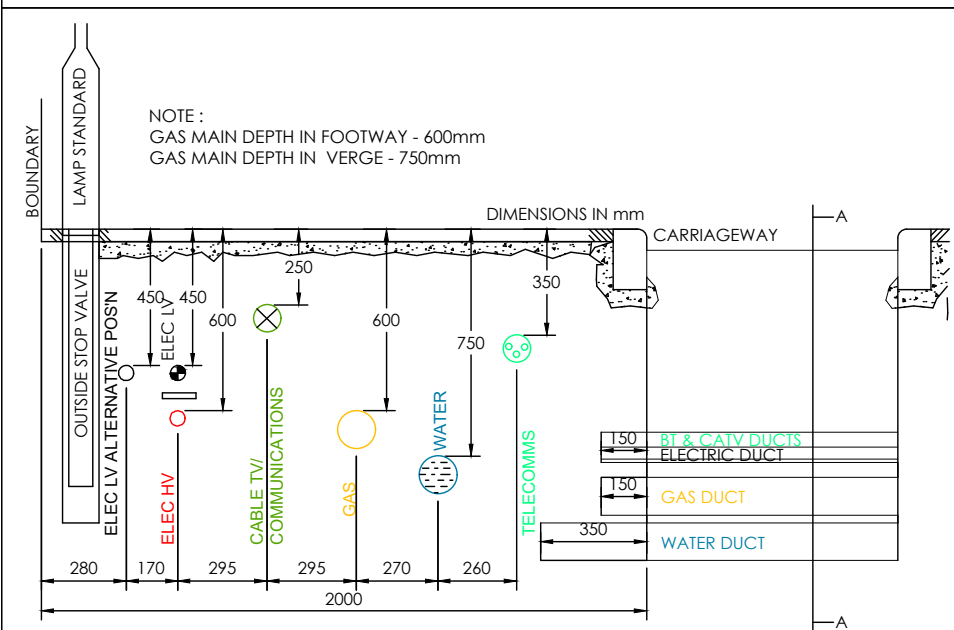
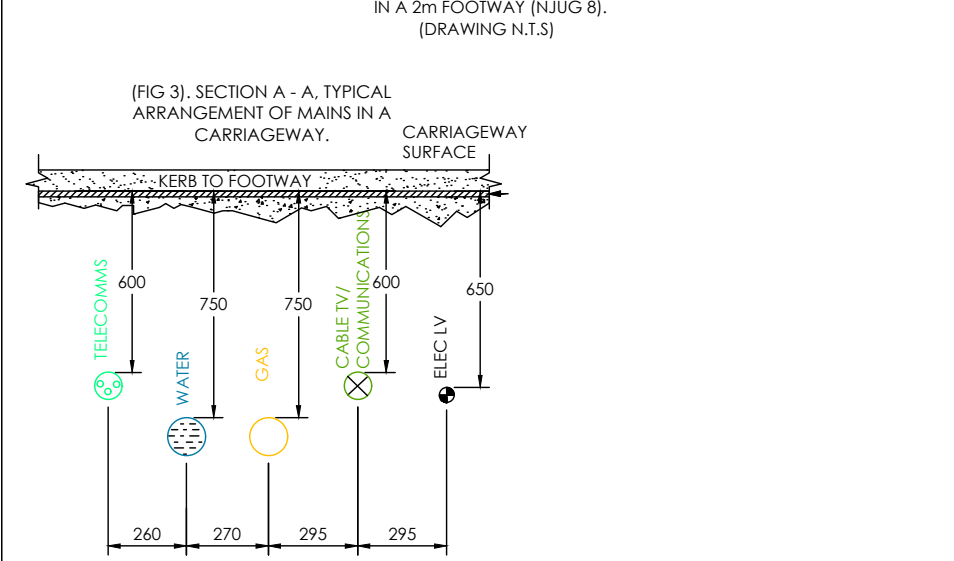


- LEGEND**
- COVER AND FRAME TO BS EN 124 1994 (WITH 1995 AMENDMENT). CLASS: D400, OPENING: 1220x600mm 450x600mm OR 600x600mm DEPENDING UPON NUMBER OF DUCTS & CHAMBERS REQUIRED, TO BE AGREED WITH THE ENGINEER. COVER CLEARLY/DURABLY MARKED WITH:
(i) MANUFACTURER'S MARK.
(ii) MARK OF THE CERTIFICATION BODY.
(iii) LEGEND 'TL STREET MANAGEMENT'.
 - CLASS D400 SEATING ACCOMMODATION/FITTINGS TO BE PROVIDED FOR THE STEEL SAFETY GRILLES.
 - FRAME TO BE BEDDED ON 150mm MINIMUM CLASS 2A MORTAR.
 - TWO GALVANIZED STEEL SAFETY GRILLES TO BE COMPOSED OF 25 x 10mm FLAT STEEL SECTIONS TO BS EN 10025273, JR 1963, WITH FULL RILEY WELD BETWEEN SECTIONS. GRILLES TO BE HOT-DIP GALVANIZED TO BS EN ISO 1461: 1999. TO BE ADVISED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 - 225mm THICK CLASS 8 ENGINEERING BRICKS TO BS 9231 CONSTRUCTED IN ACCORDANCE TO BS 5628 PART 3 SET IN CLASS 2A MORTAR. THE BRICKS SHALL BE CONSTRUCTED IN ENGLISH BOND WITH FLUSH FINISHED JOINTS.
 - 200mm C40 CONCRETE SLAB WITH SULPHATE RESISTING CEMENT.
 - 150mm OF SUB-BASE - CLASS A GRANULAR BACKFILL TO NRSWA ACOP.
 - DUCTS TO EXTEND INTO THE DRAWNIT BY 10mm AND TO ENTER PARALLEL TO THE DRAWNIT BASE AND ADJACENT WALL.
 - DUCT ENTRY TO BE 80mm CLEAR OF ADJACENT WALLS AND BASE.
 - JOINT OR COUPLER, MINIMUM OF 1000mm FROM DRAWNIT.
 - INTERSECTIONS BETWEEN THE DUCTS TO BE FILLED WITH CLASS 2A MORTAR AND BE BETWEEN 15mm AND 25mm WIDE.
 - 120 ANCHOR IRON SECURED IN THE BASE FOUNDATION WITH THE TOP OF THE IRON BELOW THE BOTTOM EDGE OF THE DUCTS AND 50mm (CLEARANCE BETWEEN THE BOTTOM OF THE ANCHOR AND THE CONCRETE BASE. TO BE ADVISED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 - 150mm DIAMETER SUMP, 400mm DEEP, FILLED TO A DEPTH OF 250mm WITH FEA SHINGLE AND FITTED WITH A 200mm RECESSED DRAIN GRATING AND FRAME (CIRCULAR OR SQUARE).
 - PRECAST CONCRETE UNIT OVER TOP OF DUCTS WITH 100mm MINIMUM BEARING ALLOWED AT EACH END, REQUIRED WHEN MORE THAN TWO DUCTS ARE USED.
 - DEPTH OF DRAWNIT TO BE DECREASED IF EXISTING BURIED STRUCTURES/ SERVICES DICTATE.
 - 150mm REINFORCED C40 CONCRETE COVER SLAB WITH TWO LAYERS OF A202 MESH 300mm LAPS AND 40mm COVER TO THE MESH. TO BE ADVISED BY ENGINEER PRIOR TO CONSTRUCTION.
 - 150mm C40 CONCRETE SURROUND TO EXTEND TO OVERBREAK.



- Section 38 Tree Options**
- Tree Location as a2dominion planning drawing: 7239-UA001881-F
 - Tree to be re-located as shown to avoid clashing with Buried Services
 - Tree to be removed to avoid clashing with Buried Services



- Street Lighting:**
- Section 38 Adopted Street Light (with Vehicle Barrier)
 - Section 38 Adopted Street Light
 - Private Area Street Light (with Vehicle Barrier)
 - Private Area Street Light
- For Street Lighting Specification, Refer Oxfordshire County Council drawing 'A408' latest revision
- For Spine Road Street Lighting Specification, Refer Hyder Consulting drawing 'UA001881-7264' latest revision**

FIBRE OPTIONS: Chamber to support future connection to Phase 3

FIBRE OPTIONS: Additional chamber to support Road Crossing. Designed location of chamber in the road (not permitted). Subject to A2dominion/Silver instruction. To be moved to pavement as shown. Final position to be determined by Hill Groundworking Sub-Contractor

- Fibre Optic Ducting**
- Notes:**
- Routing and chamber location is indicative but it is essential that:
 - Chambers are in the vicinity of the location indicated so that they are able to serve the specified properties.
 - Sweep 'T's are installed in the orientation shown so that each property connects to its specified chamber
 - No more than 11 properties should be serviced from each chamber
 - All chambers to be BT Footways or equivalent
 - All ducting and installation techniques to be in accordance with the BT Openreach 'Developers Handbook - How to build a fibre network', unless otherwise approved

SURVEY INFORMATION	
MK Surveys - 01908 565561	DATE RECEIVED: 17/12/2014
DRG NUMBER: 17523 - Sheets 1-12	
ARCHITECT SITE PLAN INFORMATION	
PRP Architects - 020 7653 3464	DATE RECEIVED: April 2016
DRG NUMBER: AL6157C-3000/3100	
NOTES	
1. All dimensions and levels are in metres unless otherwise noted	
2. This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation	
3. This drawings has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.	
4. This drawing contains coloured lines / information that may not be clear if reproduced in black and white.	

Buried Services Key:	
17TH	1x Fibre Optic Ducting
20TH	1x Fibre Optic Duct installed as Hills works. Plus 1x Fibre Optic Duct subject to A2dominion/Silver instruction
22	Fibre Optic Chamber - For Chamber Sizes, refer Fibre Options Drawing, latest revision
27	Fibre Optic Chamber Reference to House
Electricity Services:	
3x HV	3x Electricity Duct - High Voltage
1x LV	1x Electricity Duct - Low Voltage
2x LV	2x Electricity Duct - Low Voltage
1x	Metered Feeder Pillar to feed Bollard Lighting
1x	Low Level Lighting Bollard to Allotments
Water Main Services:	
1x	Water Main - 180mm HPPE (By TWUL or SLO)
1x	Water Main - 90mm HPPE (By SLO)
1x	Water Main - 90mm HPPE (By TWUL)
1x	Water Main - Service Connection
1x	Washout/Fire Hydrant Locations
1x	Blanking Plate Locations
1x	Valve Locations
1x	Temporary Washout Locations
Rain Water Harvesting:	
1x	Rain Water Harvesting - Power Supply
1x	Rain Water Harvesting - Water Return
District Heating Services:	
1x	District Heating - As-Built Pipework
1x	District Heating - Proposed Pipework
1x	District Heating - Service Connection (Alutlex)
1x	District Heating - Service Connection (Steelex)
Electric Vehicle Charging:	
1x	Electric Vehicle Charging - Ø50mm
1x	Electric Vehicle Charging - Ø100mm
1x	Electric Vehicle Charging - Ø150mm
Note:	
1. Car charging requirements and ducting to be agreed.	
2. Proposed footway tree-pits 1.50 x 1.50 x 1.20m (dip) approx. See Landscape Architects plan for final locations.	
SPARE	
SPARE Ducts within Bridge Footway	
Existing Drainage:	
1x	Existing foul water drain (private/non adopted)
1x	Existing surface water drain (private/non adopted)
1x	Existing foul water sewer (Adopted)
1x	Existing surface water sewer (Adopted)

Sheet Arrangement (1:2500)

C10	SNN	RJW	Street Lighting amended to client comments	20/04/17
C09	SNN	TST	Proposed Section 38 Tree Re-located to the front of 252	10/04/17
C08	SNN	TST	Fibre Options Notes added to Key as Client Comments	20/03/17
C07	SNN	TST	District Heating, Fibre Options and Tree Positions amended as Client Comments	16/03/17
C06	SNN	TST	Section 38 Tree Positions amended in line with a2dominion drawing 7239-UA001881-F	09/03/17
C05	SNN	TST	Fibre options chamber references, Water main 'STOP' valves and DH crossings added.	02/03/17
Rev	Drawn by	Chkd by	Comments	Date

DRAWING TITLE
Combined Services Plan
Sheet 1 of 4

PROJECT
Phase 2
Bicester Eco Village
Bicester
Oxon

DESIGNED BY TST	DRAFTED BY SNN	APPROVED BY DJ
DATE 30/06/2016	STATUS CONSTRUCTION	
SCALE 1:250 @ A1	Scale bar @ 1:250 0m 6.25m 12.5m	

CLIENT

Hill **Infrastruct CS Ltd**

JOB NUMBER 15-1859	DRAWING NUMBER 45-1	REVISION C10
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