

REFERENCE: Contract/Project No.	ASBUILT PREPARED BY: (Name of Company) Contractor:	This form must be attached to all Asbuilts submitted to Council
RDC Plan No.	Consultant:	

All Asbuilt plans and RAMM Data Sheets supplied to Council shall show the following information as appropriate:

STANDARD INFORMATION:

	Contractor site record approved	Final Asbuilt Format
• North point	<input type="checkbox"/>	<input type="checkbox"/>
• Legal boundaries, legal descriptions of parcels, Road names and property address numbers	<input type="checkbox"/>	<input type="checkbox"/>
• Produce plans at a suitable scale for clarity. Show a separate service per plan if necessary	<input type="checkbox"/>	<input type="checkbox"/>
• Note the schedule of drawings on the plan	<input type="checkbox"/>	<input type="checkbox"/>
• Note Datum on plan: All levels are to be in Orthometric Heights related to Auckland 1946 Height Datum	<input type="checkbox"/>	<input type="checkbox"/>
• Existing installations to be identified clearly as "Existing"	<input type="checkbox"/>	<input type="checkbox"/>
• Private installations to be identified clearly as "Private"	<input type="checkbox"/>	<input type="checkbox"/>
• Removed installations to be identified clearly as "Removed"	<input type="checkbox"/>	<input type="checkbox"/>
• Abandoned installations to be identified clearly as "Abandoned"	<input type="checkbox"/>	<input type="checkbox"/>
• Note revision number, date and comment on plan.	<input type="checkbox"/>	<input type="checkbox"/>
• Three sets of prints	<input type="checkbox"/>	<input type="checkbox"/>
• Supply digital format: DGN, DWG, DXF in a recognised LINZ co-ordinate system with a note stating coordinate system	<input type="checkbox"/>	<input type="checkbox"/>

ROADING:

• Pavement surface	<input type="checkbox"/>	<input type="checkbox"/>
• Kerb and channel	<input type="checkbox"/>	<input type="checkbox"/>
• Footpath (material & position)	<input type="checkbox"/>	<input type="checkbox"/>
• Catchpits	<input type="checkbox"/>	<input type="checkbox"/>
• Retaining Walls and materials and heights	<input type="checkbox"/>	<input type="checkbox"/>
• Median Islands	<input type="checkbox"/>	<input type="checkbox"/>
• Landscaping/amenity planting, feature walls	<input type="checkbox"/>	<input type="checkbox"/>
• Extent of formation	<input type="checkbox"/>	<input type="checkbox"/>
• Subsoil drains (position & type) including discharge points	<input type="checkbox"/>	<input type="checkbox"/>
• Extent of seal	<input type="checkbox"/>	<input type="checkbox"/>
• Road lights	<input type="checkbox"/>	<input type="checkbox"/>
• Edges of formation	<input type="checkbox"/>	<input type="checkbox"/>
• Driveway pipe crossings (length, position, material type & diameter)	<input type="checkbox"/>	<input type="checkbox"/>
• Open water table and direction of flow	<input type="checkbox"/>	<input type="checkbox"/>
• Applicable RAMM Data Sheets (Appendix L or RDC Electronic Data Capture Forms – Excel)	<input type="checkbox"/>	<input type="checkbox"/>

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WATER SUPPLY RETICULATION:		
• Internal diameter, material type, and class of pipes laid including road crossings	<input type="checkbox"/>	<input type="checkbox"/>
• External diameter, material type, and class of pipes laid including road crossings. (Applies to PE pipes)	<input type="checkbox"/>	<input type="checkbox"/>
Note: For labelling of pipes use general notes where possible i.e. All Water Supply pipes are 110 PE100 PN12.5 SDR13.6 Unless noted otherwise.		
• Valves - noted for type, hydrants, tees, branches, thrust blocks & blank caps. Show enlarged details	<input type="checkbox"/>	<input type="checkbox"/>
• Bends (angle) dimensioned to two boundaries	<input type="checkbox"/>	<input type="checkbox"/>
• Distance from boundary of water main (If not digital)	<input type="checkbox"/>	<input type="checkbox"/>
• Depth of line (bedding & backfill types). Note if directionally drilled	<input type="checkbox"/>	<input type="checkbox"/>
• Pump stations/Treatment Plants/Dams/Reservoirs/Bores. Site & plant layout plans, wiring diagrams, and pipework details. Fully itemised parts inventory including technical data, serial numbers, costs, and manufacturer. O&M Manuals. Disposed assets identified.	<input type="checkbox"/>	<input type="checkbox"/>
• Pump stations including wiring diagrams, pipework details and full itemised parts inventory and operating manuals	<input type="checkbox"/>	<input type="checkbox"/>
• Rising mains (internal diameter, material type, class of pipes laid, length, position, bends, levels, anchor/thrust blocks, scour valves, air valves & blank caps.) Note: external diameter for PE pipes.	<input type="checkbox"/>	<input type="checkbox"/>
• Thermal pipes	<input type="checkbox"/>	<input type="checkbox"/>
• House connection and distance to nearest side boundary where installed	<input type="checkbox"/>	<input type="checkbox"/>
• Pipes removed or abandoned	<input type="checkbox"/>	<input type="checkbox"/>

WASTEWATER RETICULATION:		
• Manhole cover level and invert level of outlet pipe; invert level of drop connections to LINZ Datum. Distances to two adjoining boundaries if not provided in digital format	<input type="checkbox"/>	<input type="checkbox"/>
• Label non-standard manholes with diameter and type	<input type="checkbox"/>	<input type="checkbox"/>
• Internal diameter, material type and class of pipes laid (including house connections), length, bedding & backfill type and if directional drilled	<input type="checkbox"/>	<input type="checkbox"/>
• External diameter, material type and class of pipes laid (including house connections), length, bedding & backfill type and if directional drilled (Applies to PE and PVC pipes)	<input type="checkbox"/>	<input type="checkbox"/>
Note: For labelling of pipes use general notes where possible i.e. All Wastewater pipes are PVC SN16 unless noted otherwise. Alternatively use this format: 150 PVC SN16 "and length" 160 PE80B SDR17 "and length"		
• For house connections <2.0m from main pipe show the distance from the centre of the downstream manhole cover to the connection point.	<input type="checkbox"/>	<input type="checkbox"/>
• For house connections >2.0m from main pipe, show the distance from the centre of the downstream manhole cover to the junction point. The connection end point is to be shown in the surveyed position. Provide the length of pipe.	<input type="checkbox"/>	<input type="checkbox"/>
• Rising mains and Siphons (internal diameter, material type, class of pipes laid, length, position, bends, levels, anchor/thrust blocks, scour valves & air valves). Note external diameter for PE and PVC pipes.	<input type="checkbox"/>	<input type="checkbox"/>
• Pump stations/Treatment Plants. Site & plant layout plans, wiring diagrams, and pipework details. Fully itemised parts inventory including technical data, serial numbers, costs, and manufacturer. O&M Manuals. Disposed assets identified.	<input type="checkbox"/>	<input type="checkbox"/>
• Encased protected pipes (position, length & type of protection)	<input type="checkbox"/>	<input type="checkbox"/>
• Pipes, manholes and pump stations removed or abandoned	<input type="checkbox"/>	<input type="checkbox"/>

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STORMWATER RETICULATION:		
<ul style="list-style-type: none"> Manhole cover level and invert level of outlet pipe, invert level to drop connections to LINZ Datum. Distances to two adjoining boundaries if not provided in digital format. 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Label non-standard manholes with diameter and type 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Internal diameter, material type and class of pipe laid (including house connections), length, bedding & backfill type and if directional drilled 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> External diameter, material type and class of pipes laid (including house connections), length, bedding & backfill type and if directional drilled (Applies to PE and PVC pipes) <p>Note: For labelling of pipes use general notes where possible i.e. All Stormwater pipes are RC 2 (The number refers to the pipe class) unless noted otherwise. Alternatively use this format: 225 RC 2 "and length" 150 PVC SN16 "and length"</p>	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Open water table and direction of flow 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Catchpits 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Subsoil drains (position, diameter and material type), including discharge points 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> For house connections <2.0m from main pipe show the distance from the centre of the downstream manhole cover 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> For house connections >2.0m from main pipe, show the distance from the centre of the downstream manhole cover to the junction point. The connection end point is to be shown in the surveyed position Provide the length of pipe. 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Pipes and manholes removed or abandoned 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Driveway pipe crossings (position, length, material type & diameter) 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Dish drain half pipe (length, position, material type & diameter) 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Encased protected pipe (position, length & type of protection) 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Scour protection (position & type) 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Stormwater treatment devices (contours, spillway details, operating levels) 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Secondary overland flow paths 	<input type="checkbox"/>	<input type="checkbox"/>

RESERVES AND PEDESTRIAN ACCESSWAYS:

<ul style="list-style-type: none"> Contours and shape factor for Neighbourhood Reserves 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Boundary fencing of street to street accessways 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Road frontage fencing 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Footpaths and walking tracks including surfacing, grade and drainage 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Subsoil drains (position, diameter and material type) including discharge points 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Catchpits 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Accessway/walkway bollards 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Park furniture (seats, picnic tables, signs) 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Playground equipment 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Trees/shrubs and planted areas 	<input type="checkbox"/>	<input type="checkbox"/>
<ul style="list-style-type: none"> Lighting including accessways 	<input type="checkbox"/>	<input type="checkbox"/>

EARTHWORKS:

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<ul style="list-style-type: none"> • Extent of fill • Depth of fill in the form of depth contours • Subsoil drains (position, diameter and material type) including discharge points • Buried retaining walls 	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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CERTIFIED BY:

**Engineer to Contract
or
Prof. Service Provider**

Name
Signature
Date

RDC Project Manager

Name
Signature
Date

RDC GIS

Name
Signature
Date