

DESIGN CHECKLIST

CHECK

DRAINAGE WORKS DRAWING CHECKLIST EXTERNAL TO SITE

For More Information Contact:
Capital Works on 8470 8672



STANDARD ITEMS

- Locality Plan
- Allotment Number and Boundary Dimensions
- Easements (as necessary)
- Existing and Proposed Driveways, Pram Crossings, Footpaths
- Any Existing Drainage Pipes, Pits and House Drain Outlets
- Proposed Drainage Pipes and Pits, Labelled With Pit Numbers, Type, Size, Grade and Any Other Relevant Details
- All Level Datum Reference Points
- Dial Before You Dig (1100) Information
- Dial Before You Dig (1100) Warning

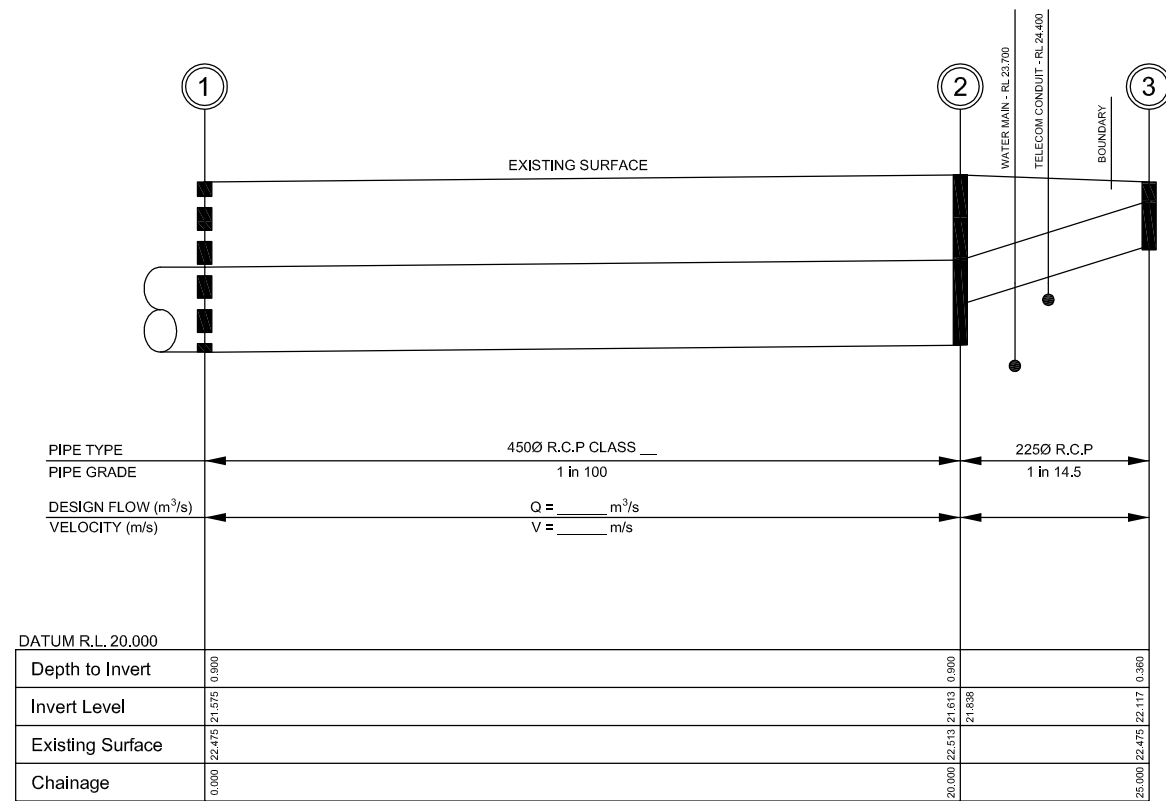
DRAWING REQUIREMENTS

- **Drainage Long Section (Figure 1):**
 - Scale: Horizontal 1:250 and Vertical 1:25
 - Pipe Class, Material, Invert Levels, Underground Service Locations, Backfill Locations.
 - Computed and Capacity Flow Rates, Velocity
- **Pit Schedule (Figure 2):**
 - All Elements as Given in Sample
- **Backfill Diagram (Figure 3a & 3b):**
 - All Elements as Given in Sample, Refer to Relevant Council Standard As Necessary
- **Design Plan (Figure 4):**
 - All Elements as Given in Sample, Refer to Relevant Council Standard As Necessary
- **Locality Plan (Figure 5)**

COUNCIL DESIGN CRITERIA

- **Average Recurrence Interval (ARI):**
 - General Residential: 10 Years
 - Commercial/Industrial: 20 Years
- **Coefficient of Runoff:**
 - Commercial/Industrial: 0.80
 - General Residential: 0.75
 - Road Reserves 0.90
- **Pipes**
 - Size (Naturestrip): Min. 225mm, R.C. Class 2, Rubber-Ring Jointed
 - Size (Road Pavement): Min. 300mm, R.C. Class 2, Rubber-Ring Jointed
 - Size (Easement): Min. 225mm, Sewer Class PVC, Class 2, BlackMax or Similar
 - Max. 60m Length Between Pits with $\leq 3000\varnothing$ Pipes
 - Max. 90m Length Between Pits with $>3000\varnothing$ Pipes
 - Check Pipe Size and Grade Caters for Catchment
- **Cover and Backfill**
 - Cover (Naturestrip): Min. 450mm
 - Cover (Road Pavement): Min. 600mm
 - Backfill: Class 3 F.C.R.



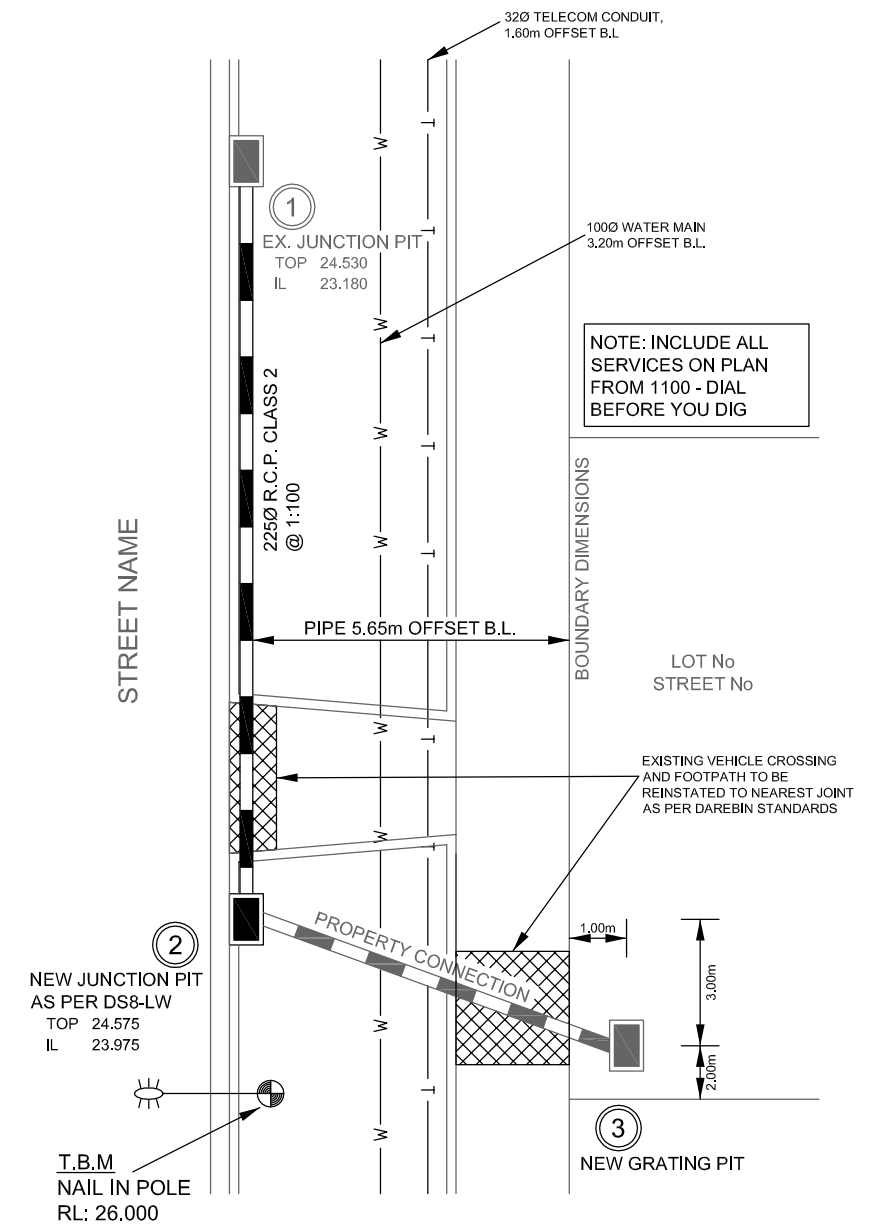


Longitudinal Section - Figure 1

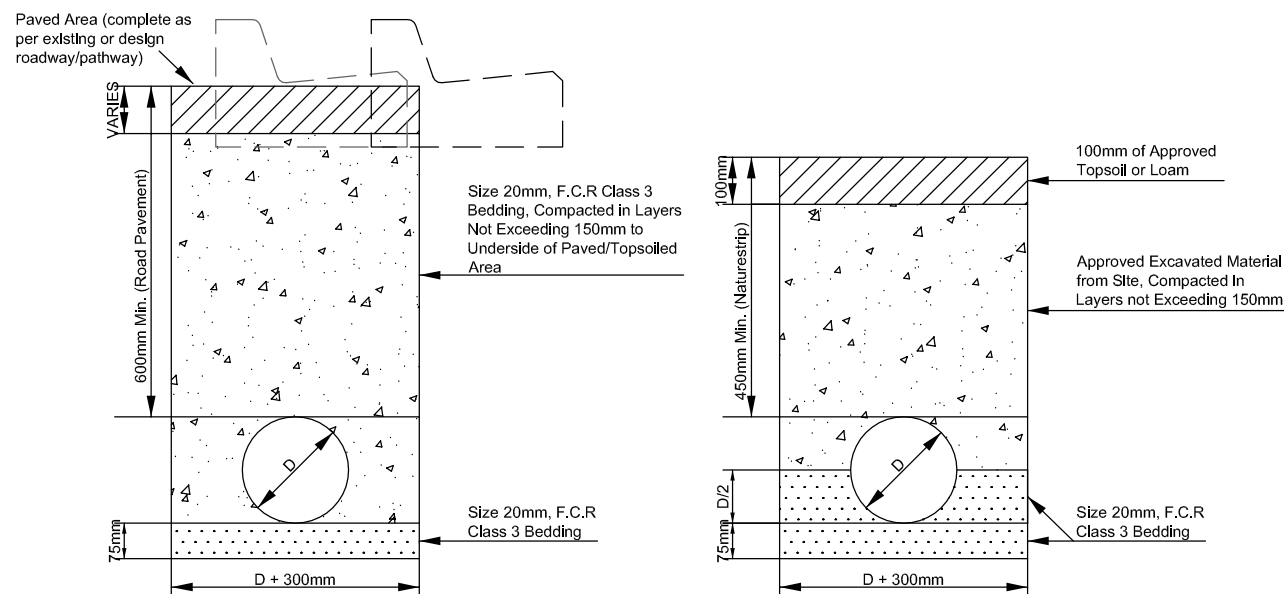
Scale: Horizontal - 1:250
Vertical - 1:25

PIT SCHEDULE										
#	TYPE	L	W	INLET		OUTLET		TOP OF PIT	DEPTH OF PIT	REMARKS
				Ø	I.L.	Ø	I.L.			
1	Ex. Junction Pit	900	600	225	23.600	600	23.000	24.530	1.530	Sample Remarks: - Breaking Into Pit - Rebuilding Pit - Finished R.L. of Pit Lid - Stub Details - House Drain Connection - Pit Details/Standard Drawing Number
2	Junction Pit	600	600	225	23.750	225	23.675	24.575	0.900	
3	Grating Pit	650	650	150	24.520	225	24.300	24.950	0.650	

Figure 2 - Drainage Pit Schedule - Must Contain all Details as Illustrated

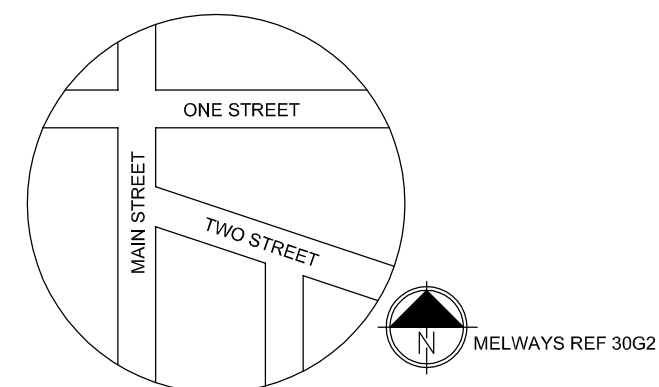


Plan - Figure 4



Bedding/Backfill - Figure 3a
Road Pavement/Footpath

Bedding/Backfill - Figure 3b
Naturestrip/Easements



Locality Plan - Figure 5
Can be Either Drawn Plan or Melways Map



WARNING
ALL SERVICES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY AND EXACT LOCATION IS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORKS.



**DRAINAGE WORKS
DRAWING GUIDELINES
EXTERNAL TO SITE**

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