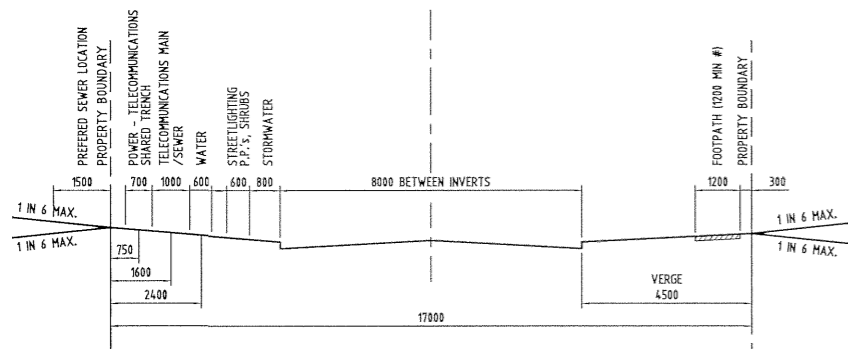
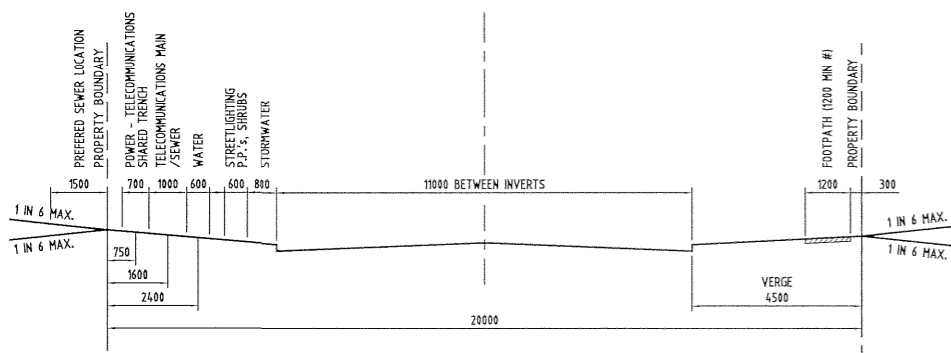


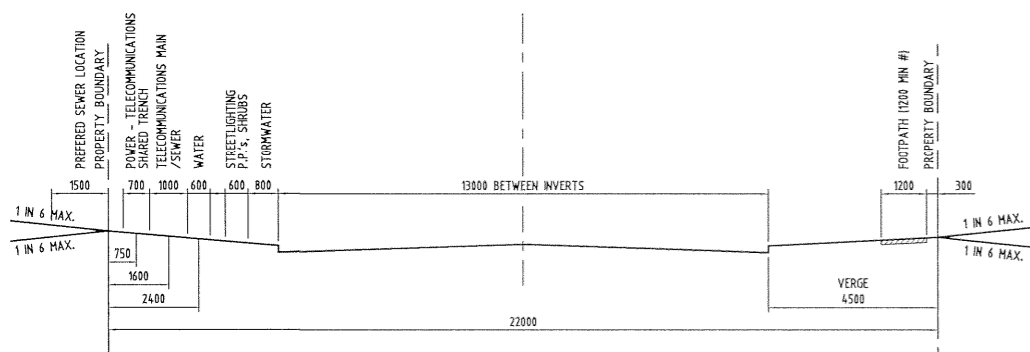
1. LOCAL



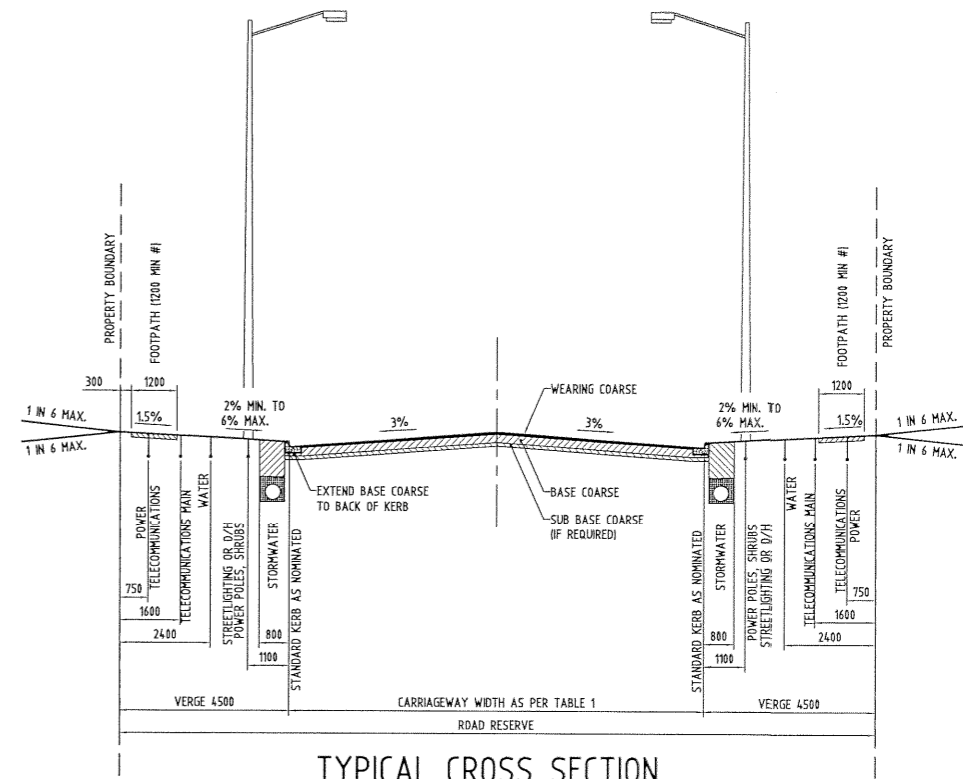
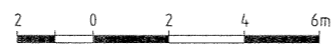
2. LOCAL / SECONDARY COLLECTOR



3. SECONDARY / PRIMARY COLLECTOR
(MINOR INDUSTRIAL)



4. PRIMARY COLLECTOR
(MAJOR INDUSTRIAL)



TYPICAL CROSS SECTION

TABLE 1

TYPE	ROAD CLASSIFICATION	ROAD DESCRIPTION	CARRIAGEWAY WIDTH (BETWEEN INVERTS)	VERGE WIDTH
1.	LOCAL	CUL-DE-SAC AND LOOPS LESS THAN 200m	6000	4500
2.	LOCAL / SECONDARY COLLECTOR	LOOPS GREATER THAN 200m OR ANY LOOP SERVICING HIGH DENSITY	8000	4500
3.	SECONDARY / PRIMARY COLLECTOR	COLLECTORS - ADJACENT TO HIGH DENSITY / MINOR INDUSTRIAL	11000	4500
4.	PRIMARY COLLECTOR	MAJOR DISTRIBUTORS / MAJOR INDUSTRIAL	13000	4500

DESIGN NOTES

WHEN DETERMINING SERVICES LAYOUT DESIGNERS MUST BE FULLY INFORMED REGARDING THE INTERDEPENDENCY OF SERVICES. A SERVICE COMPILATION PLAN MUST BE PREPARED ACCURATELY SHOWING POSITION OF ALL SERVICES TO SCALE. THIS PLAN IS REQUIRED BY ALL SERVICE AUTHORITIES TO ENSURE THEIR SERVICE HAS BEEN COORDINATED WITH OTHER SERVICES.

SINCE SERVICE LOCATIONS ARE INTERDEPENDENT AND ALTERNATIVE CORRIDORS ARE NOT AVAILABLE FOR ALL SERVICES, DESIGNERS SHOULD FOLLOW THE FOLLOWING SEQUENCE OF CORRIDOR SELECTION.

ALL PIT, VALVE, HYDRANT, MANHOLE COVERS FOR SERVICES LOCATED WITHIN THE ROAD RESERVE ARE TO BE LAID TRUE TO LINE, LEVEL, GRADE AND CROSSFALL TO MATCH FINISHED DESIGN LEVEL OF ROAD VERGES AND FOOTPATH.

- 1. POWER
PREPARE A DETAILED ELECTRICAL LAYOUT SHOWING UNDERGROUND CABLE, TRANSFORMERS, STREETLIGHTING etc. STREETLIGHTS ARE TO BE POSITIONED ACCORDING TO P.A.W.A. SPECIFICATIONS AND ALSO TO BE NOT LESS THAN 3.0m FROM PROPERTY BOUNDARY.
- 2. SEWER
POSITION SEWER MAIN IN ITS PREFERRED POSITION OR ALTERNATE CORRIDOR. KEEP BELOW 1.2m MIN. COVER TO AVOID CLASHES WITH HOUSE CONNECTIONS AND ELECTRICAL SERVICES.
- 3. STORMWATER
POSITION STORMWATER PIPES WHERE STORMWATER AND SEWER LINES CROSS, THE INVERT LEVEL OF EACH PIPE SHALL BE SHOWN ON PLAN AND LONGITUDINAL SECTIONS.
- 4. FOOTPATHS
WHEN POSITIONING FOOTPATHS, WHERE EXISTING TREES, LIGHT POLES OR OTHER OBSTACLES BLOCK THE FOOTPATH CORRIDOR, THE FOOTPATH MAY BE MEANDERED BETWEEN THE KERB AND CORRIDOR TO SUIT. WHERE FOOTPATHS ARE LOCATED WITHIN 450mm OR AGAINST PROPERTY BOUNDARIES, THE WIDTH IS TO BE INCREASED BY 300mm.
FOOTPATH WIDTHS SHALL BE 1200 MIN. COUNCIL MAY REQUIRE GREATER WIDTHS TO REFLECT CURRENT AND FUTURE PEDESTRIAN AND CYCLIST NEEDS. 75mm THICK CONCRETE. FOOTPATHS ARE REQUIRED TO SERVICE ALL HIGH DENSITY RESIDENTIAL AREAS.
- 5. TELECOMMUNICATIONS
A LAYOUT COMPATIBLE WITH OTHER SERVICES WILL BE PREPARED BY TELECOMMUNICATIONS COMPANY. THIS LAYOUT SHOULD BE SHOWN ON SERVICES COMPILATION PLAN.
- 6. LANDSCAPING
TO BE LOCATED AS INDICATED. STREET TREE PLANTING TO BE LOCATED CONSTANT DISTANCE FROM PROPERTY BOUNDARY RATHER THAN FROM KERB LINE. i.e. FOR 4.5m OR 3.5m VERGE 2.7m FROM BOUNDARY.

AMENDMENTS				APPROVED BY		STANDARD DRAWING	
No.	DESCRIPTION	DATE	BY	DIRECTOR	TECHNICAL SERVICES	ROAD RESERVE - TYPICAL CROSS SECTIONS	
E							
D							
C							
B							
A	ORIGINAL ISSUE	09/03	S.W.S.			SHEET SIZE. A1	AMENDT. A

