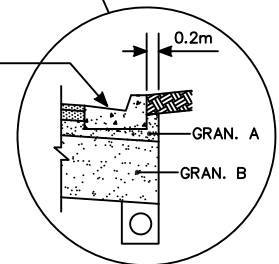


**NOTES:**

1. UTILITY CROSSINGS TO HAVE MIN. 1.5m COVER AT EDGE OF PAVEMENT.
2. LEFT TURN LANE WIDTHS - 3.5m WITHOUT RAISED MEDIAN.
3. RIGHT TURN LANE WIDTHS - 3.5m.
4. PAVEMENT AND GRANULAR BASE STRUCTURE TO BE REVIEWED WITH THE ROAD AUTHORITY.
5. TYPICAL SUBDRAIN 150mm DIA. PERFORATED OPEN PROFILE (DUAL WALL) HDPE PIPE WITH FILTER CLOTH. CONNECT MIN. 2.0m LENGTH OF 150mm DIA. NON-PERFORATED ALUMINIZED TYPE 2 CSP WITH 1.6mm WALL THICKNESS OR OPEN PROFILE (DUAL WALL) HDPE PIPE AT EACH CATCHBASIN.
6. MAINTENANCE HOLES TO BE DESIGNED AND CONSTRUCTED TO NOT BE IN THE TRAVELED LANE WHEEL PATH.
7. SANITARY SEWER AND ALTERNATE STORM SEWER LOCATIONS TO CONSIDER CONSTRUCTION STAGING TO REDUCE IMPACT TO TRAFFIC.
8. TOPSOIL ON BOULEVARD TO BE MIN. 150mm DEEP FOR NURSERY SOD AND MIN. 250mm DEEP WHERE TREE PLANTING IS PROPOSED.
9. BOULEVARDS TO BE HARD SURFACED (I.E. INTERLOCK, ASPHALT) WHEN LESS THAN 1.2m IN WIDTH.
10. FOR ON-ROAD CYCLING LANES REFER TO OTM BOOK 18.

**CLEARANCES:**

- WATERMAINS TO CROSS OVER STORM-SANITARY SEWERS - MIN. CLEARANCE 0.25m.
- FOR WATERMAINS CROSSING BELOW STORM-SANITARY SEWERS - MIN. CLEARANCE 0.5m.
- FOR PARALLEL INSTALLATIONS WATERMAINS TO BE A MIN. 2.5m FROM STORM-SANITARY SEWERS.
- FOR PARALLEL INSTALLATIONS SANITARY SEWERS TO BE A MIN. 2.5m (OUTSIDE TO OUTSIDE) FROM STORM SEWERS, WHERE THIS IS CANNOT BE ACHIEVED FOLLOW STANDARD S-100.040.
- FOR GASMAIN INSTALLATIONS ADJACENT TO A FUTURE FENCE THE MINIMUM CLEARANCE TO PROPERTY IS 1.0m.
- THE CLEARANCE FROM THE EDGE OF THROUGH LANES TO HYDRO POLES SHOULD HAVE REGARD FOR DESIGN SPEED BASED CLEAR ZONE REQUIREMENTS.



ALL DIMENSIONS IN METRES EXCEPT WHERE NOTED.



WORKS DEPARTMENT

**TYPICAL URBAN 5-LANE SECTION**

DWG. DATE:	2009 04
REVISION NO.:	7
REV. DATE:	2019 04
SCALE:	N.T.S.

**S-300.010**