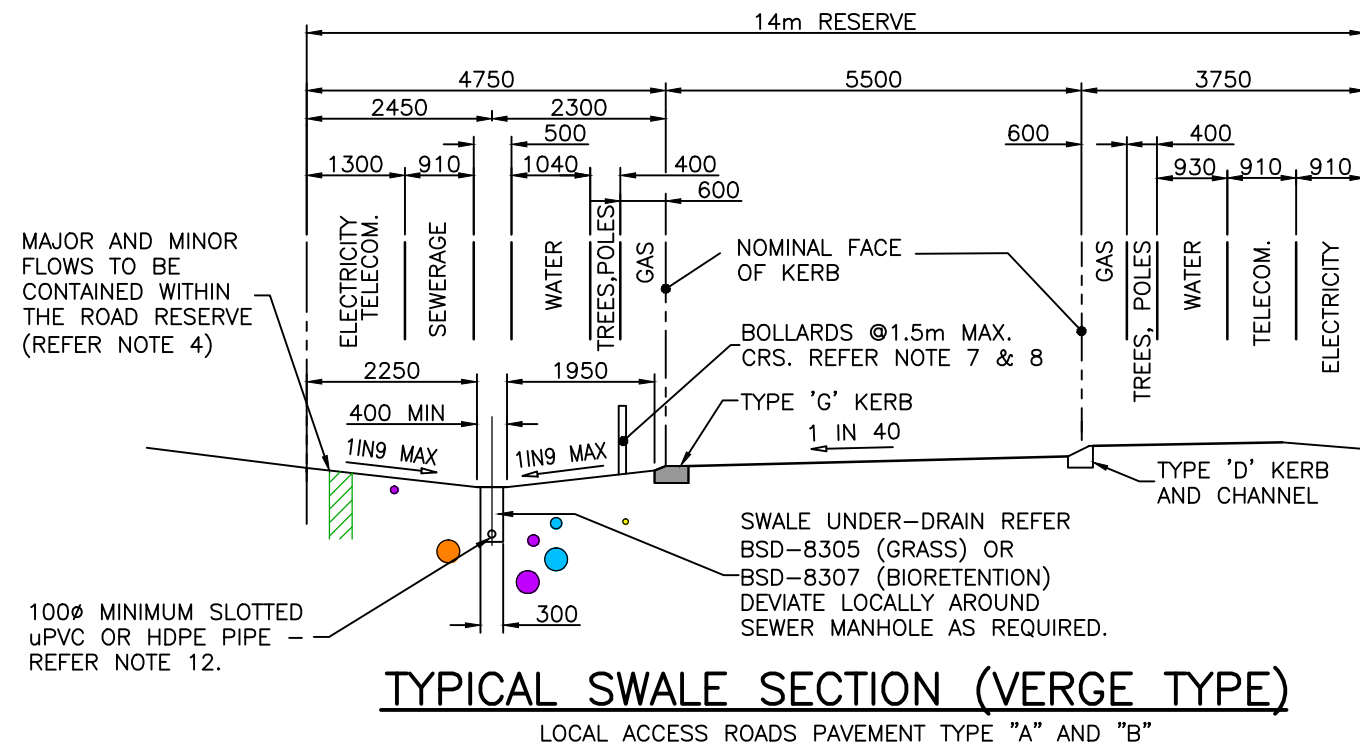


TYPICAL SWALE SECTION (MEDIAN TYPE)

SUBURBAN ROUTES PAVEMENT TYPE "D"

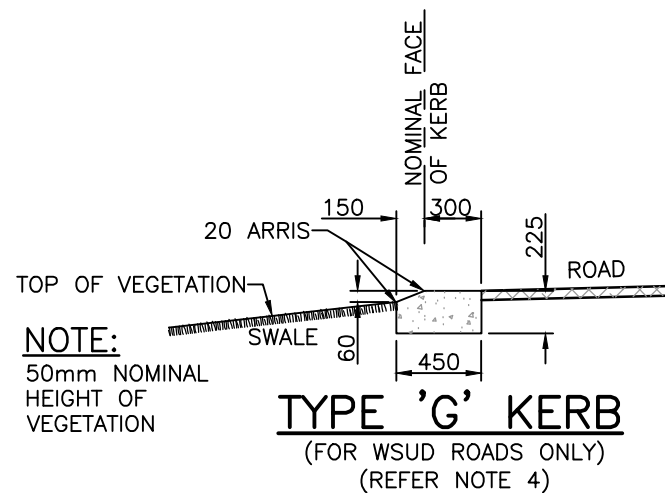


TYPICAL SWALE SECTION (VERGE TYPE)

LOCAL ACCESS ROADS PAVEMENT TYPE "A" AND "B"

GENERAL SWALE NOTES:

- SWALES IN THE FOOTPATH MAY BE GRASSED (REFER BSD-8305) OR BIORETENTION (REFER BSD 8307) AND SHALL BE LOCATED AT PARK FRONTAGES ONLY.
- SWALES IN THE MEDIAN MAY BE EITHER GRASSED OR BIORETENTION.
- SWALES ARE GENERALLY NOT SUITABLE ON ROADS WITH LONGITUDINAL GRADE LESS THAN 0.5% OR GREATER THAN 5%.
- IT IS THE DESIGNERS RESPONSIBILITY TO DEMONSTRATE THAT THE ROADWAY AND SWALE CAPACITY IS SUFFICIENT TO CONVEY MAJOR AND MINOR FLOWS, AND MAJOR EVENTS ARE CONTAINED WITHIN THE ROAD RESERVE OR LESSER DEPTH TO PROVIDE FREEBOARD AS PER QUDM SECTION 7.3.15.
- VERGE SWALE PREFERRED IN GREENFIELD LOCATIONS WHERE WATER RETICULATION IS LOCATED ON THE LAND LOWSIDE.
- THE DEPTH VELOCITY PRODUCT ($d_s \cdot v_{avg}$) IN THE SWALE SHALL BE LIMITED IN ACCORDANCE WITH QUDM SECTION 7.4.2. GENERAL REQUIREMENTS FOR PEDESTRIAN SAFETY (TYPICALLY $0.6m^2/s$ OR $0.4m^2/s$ IN HIGH RISK AREAS).
- DESIGNERS SHALL INCORPORATE FEATURES THAT PREVENT OR DISCOURAGE THE DRIVING OR PARKING OF VEHICLES ON THE SWALE.
- WHERE BOLLARDS ARE USED, CONSIDERATION SHOULD BE GIVEN TO INTERMIXING MATURE TREE PLANTINGS. BOLLARDS MUST BE LOCATED MIN 600mm FROM BACK OF KERB AND SPACED MAX 1.5m APART, CONSTRUCTED IN ACCORDANCE WITH BSD-7093 AND BSD-7094.
- KERB TO BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD NOTES SHOWN ON BSD-2001.
- SERVICE ALIGNMENTS ADAPTED FROM BSD-1013.
- MINIMUM DEPTH OF COVER TO SERVICES TO BE IN ACCORDANCE WITH BSD-1014.
- SWALES FRONTING PARKS MAY NOT REQUIRE AN UNDERDRAIN AND SHALL BE ASSESSED ON A SITE BY SITE BASIS. SWALE UNDERDRAIN DETAILS AS PER PER BSD-8305.



TYPE 'G' KERB

(FOR WSUD ROADS ONLY)
(REFER NOTE 4)

DESIGN REVIEWED & CERTIFIED FOR ISSUE

NAME: MARK R. GIBSON RPEQ: 6722
SIGNATURE: SIGNATURE ON ORIGINAL DATE: 03/04/14

ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE
B	NOTES UPDATED	Feb '15	Feb '15	Feb '15
A	ORIGINAL ISSUE	Apr '14	Apr '14	Apr '14

DESIGN AUTHORISED FOR PUBLICATION
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DATED 14/04/14
ASSET ENGINEERING MANAGER
STRATEGIC ASSET MANAGEMENT
DESIGN APPROVED
PETER KURAS SIGNATURE ON ORIGINAL
DATED APRIL '14
PRINCIPAL PROGRAM OFFICER
NATURAL ENVIRONMENT WATER & SUSTAINABILITY

DESIGN	DATE
CPO - P&D	Apr '14
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CPO - P&D	Apr '14
CHECKED	DATE
M. GIBSON	Apr '14
DRAWING FILENAME	
BSD-8301.dwg	
ASSOCIATED PLANS	
SUPERSEDES UMS-151	



BRISBANE CITY COUNCIL STANDARD DRAWING

SCALE: NOT TO SCALE

DWG No. **BSD-8301**

ORIGINAL SIZE: A3 REVISION: B

ROADSIDE SWALE TYPES AND TYPICAL SECTIONS