

NOTES

- THIS STANDARD DRAWING DEPICTS FIVE TYPICAL EXAMPLES OF HOW ROOF AND SURFACE WATER CAN BE DISCHARGED FROM A DEVELOPMENT (OTHER THAN SINGLE DWELLING). WHILST THE FOCUS IS ON THE PIPED OPTIONS, THE APPLICANT MUST NEVERTHELESS CONSIDER ALTERNATIVE ECOLOGICALLY SUSTAINABLE SOLUTIONS. ALL ROOF AND SURFACE WATER MUST BE COLLECTED INTERNALLY AND DRAINED TO A LAWFUL POINT OF DISCHARGE.
- THE OWNER IS WHOLLY RESPONSIBLE FOR THE ADEQUACY OF THE INTERNAL DRAINAGE SYSTEM AND THE MAINTENANCE OF ALL PRIVATE STORMWATER DRAINS, INCLUDING CONNECTIONS THAT ARE EXTERNAL TO THE SITE.
- THE MINIMUM PIPE SIZE FOR INTERNAL UNDERGROUND NOMINAL DIAMETER. WHERE THE PIPE ALSO CONVEY ADJOINING UPSTREAM PROPERTY (NOW OR IN FUTUS 225 DIAMETER. SIZE PIPE TO TAKE INTO ACCOUNTING FOR INTERNAL AND EXTERNAL CATCHMENTS. R INTERNAL UNDERGROUND SITE DRAINAGE IS 150
 THE PIPE ALSO CONVEYS STORMWATER FROM AN
 ERTY (NOW OR IN FUTURE), THE MINIMUM PIPE SIZE
 TO TAKE INTO ACCOUNT OF ULTIMATE DEVELOPMENT
- PIPE TYPES AND CLASSES TO UPVC STORMWATER PIPE M UPVC PIPES AND FITTINGS APPLICATIONS. LIMIT USE APPLICATIONS. O COMPLY WITH THE FOLLOWING REQUIREMENTS:
 MANUFACTURED IN ACCORDANCE WITH AS 1254 —
 S FOR STORMWATER AND SURFACE WATER
 OF THIS PIPE TO DOMESTIC (LOW DENSITY RESIDENTIAL)
- UPVC SEWER PIPE (MINIMUM CLASS SN6) MANUFACTURED IN ACCORDANCE WAS 1260 PVC PIPES AND FITTINGS FOR DRAIN, WASTE AND VENT APPLICA THE "ULTRA-RIB" PIPE AND FITTING SYSTEMS MANUFACTURED BY VINIDEX IS JM CLASS SN6) MANUFACTURED IN ACCORDANCE WITH STITINGS FOR DRAIN, WASTE AND VENT APPLICATIONS.
- ACCEPTABLE.
 STEEL REINFORCED CONCRETE PIPE (MINIMUM CLASS 2) MANUFACTURED TO AS 4058.
- AS 4139. IBRE REINFORCED CONCRETE PIPE (MINIMUM CLASS 1) MANUFACTURED TO
- MINIMUM PIPE GRADES TO CONAND DRAINAGE CODE PART 3 9 1.0 % GRADE FOR PIPES > 0.5 % GRADE FOR PIPES > 0.3 % GRADE FOR PIPES > OMPLY GENERALLY WITH AS STORMWATER DRAINAGE: 3500 NATIONAL PLUMBING
 - 150 DIAMETER.
 150 BUT <375 DIAMETER.</p>
- ⇒ 375 DIAMETER.
- NOT EXCEED 30 L/s. THE PERMITTED TOTAL DISCHARGE FROM THE DEVELOPMENT TO KERB AND CHANNEL, INCLUDING CONTRIBUTION FROM ANY EXTERNAL CATCHMENT, MUST
- SINGLE OR MULTIPLE HOT DIP GALVANISED RECTANGULAR HOLLOW SECTION (RHS) TO BE 100 MAXIMUM HEIGHT AND 75 MINIMUM WIDTH. GENERALLY THE 125/150/200 WIDEx75 HIGH RHS ARE SUITABLE FOR USE IN FOOTPATH CROSSINGS. ALL OUTLETS TO BE 300mm CLEAR OF DRIVEWAY TAPERS. 7
- STORMWATER DISCHARGE EXCEEDING 30 L/s MUST BE CONNECTED TO AN EXISTING GULLY PIT OR MANHOLE SITUATED WITHIN 50m OFF THE SITE BOUNDARY. WHERE THE CAPACITY OF THE EXISTING STORMWATER DRAINAGE SYSTEM IS DEFICIENT, THE DEVELOPER IS GENERALLY RESPONSIBLE FOR UPGRADING THE PIPE DRAINAGE TO THE APPROPRIATE DESIGN STANDARD IN THE ABSENCE OF AN INFRASTRUCTURE CHARGES PLAN THAT SPECIFIES THE DEVELOPMENT CONTRIBUTION FOR STORMWATER FACILITIES.
- THE PROPERTY OWNER IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH INSTALLATION, OPERATION AND MAINTENANCE. A SUITABLY QUALIFIED REGISTERED PROFESSIONAL ENGINEER IN QUEENSLAND (RPEQ) MUST BE ENGAGED TO PREPARE AND CERTIFY THE DESIGN AND CONSTRUCTION WORK. THE PUMP WELL AND PUMP CAPACITIES MUST BE DESIGNED FOR THE MINIMUM 10 YEAR ARI CRITICAL STORM BURST. THE CRITICAL STORM BURST IS THE STORM DURATION THAT DICTATES THE MAXIMUM ACTIVE STORAGE SIZE, AND THIS STORM DURATION IS USUALLY INDEPENDENT OF THE SUB-CATCHMENT TIME OF CONCENTRATION. COUNCIL WILL ONLY CONSIDER A PUMPED STORMWATER DRAINAGE SYSTEM IF:

 COUNCIL IS SATISFIED ALL OTHER AVENUES HAVE BEEN EXHAUSTED.

 LETTERS OF REFUSAL FROM DOWNSTREAM PROPERTY OWNERS.
- 10. WHERE THE CAPACITY OF THE EXISTING STORMWATER DRAINAGE SYSTEM IS DEFICIENT, THE DEVELOPER IS GENERALLY RESPONSIBLE FOR UPGRADING THE PIPE DRAINAGE TO THE APPROPRIATE DESIGN STANDARD IN THE ABSENCE OF AN INFRASTRUCTURE CHARGES PLAN THAT SPECIFIES THE DEVELOPMENT CONTRIBUTION FOR STORMWATER FACILITIES. DISCHARGE TO THE EXISTING STORMWATER SYSTEM MUST BE LIMITED TO ONE CONNECTION FROM EACH DEVELOPMENT.
- DIMENSIONS IN MILLIMETRES ∪.N.O.

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WAIEX DXA				\UMS 353
TOOT AND		DATE May '01	DATE	M. STEER
		DATE April '01	DATE	CITY DESIGN
BRISBANE CITY CO		April '01	DATE	STD DWG GROUP DATE April '01

ISSUE

MENDMENT

9

9

June

9

B. HANSEN SIGNATURE ON ORIGINAL DATED 27/6/01

CHECKED DRAWN DESIGN

DESIGN AUTHORISED FOR ISSUE
B. BALL SIGNATURE ON ORIGINAL
DATED 29/6/01

ORIGINAL ISSUE

150

600ø OR

BENCHING

PECTIO

MANHOLE

- GRADE N20 CONCRETE

- ALL PIPES TAKEN THROUGH WALLS

150

BENCHING

600ø

2

550ø

SEALED

RECESS

600ø

-GRADE N20 CONCRETE

UNCIL -

URBAN MANAGEMENT DIVISION

S ORIGINAL SIZE A3	$ \begin{array}{c c} & \\ & \\ & \\ & \\ & \\ & \\ & \\ & $	NOT TO SCALE
PEVISION	353	O SCALE