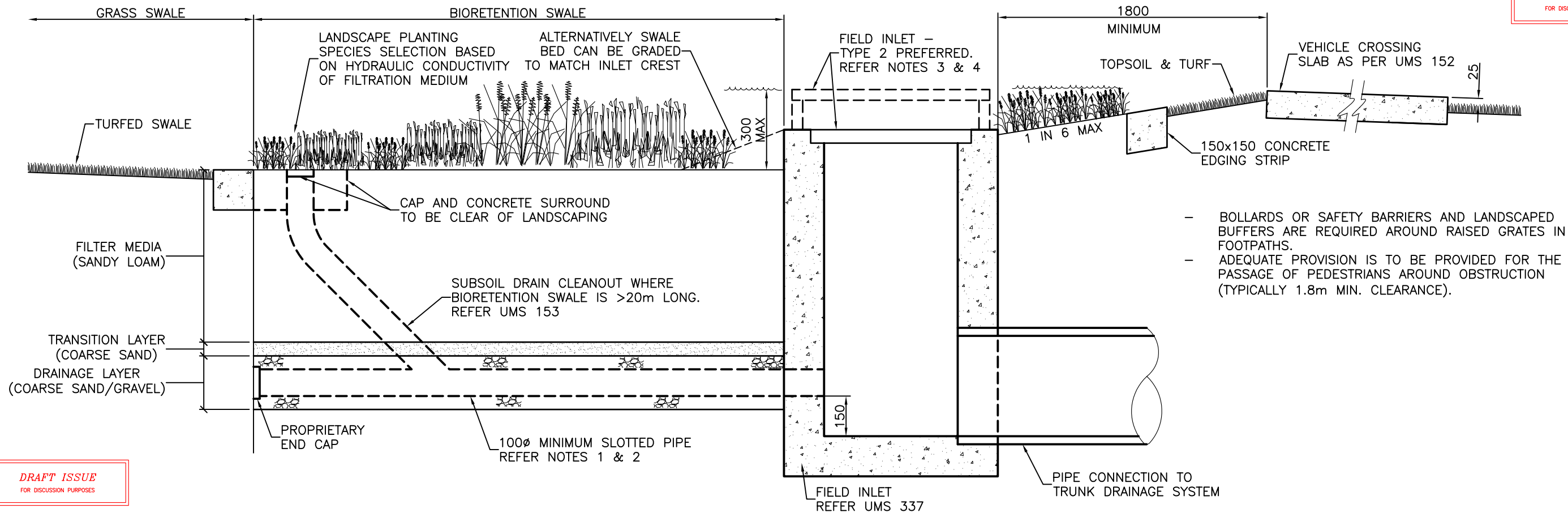
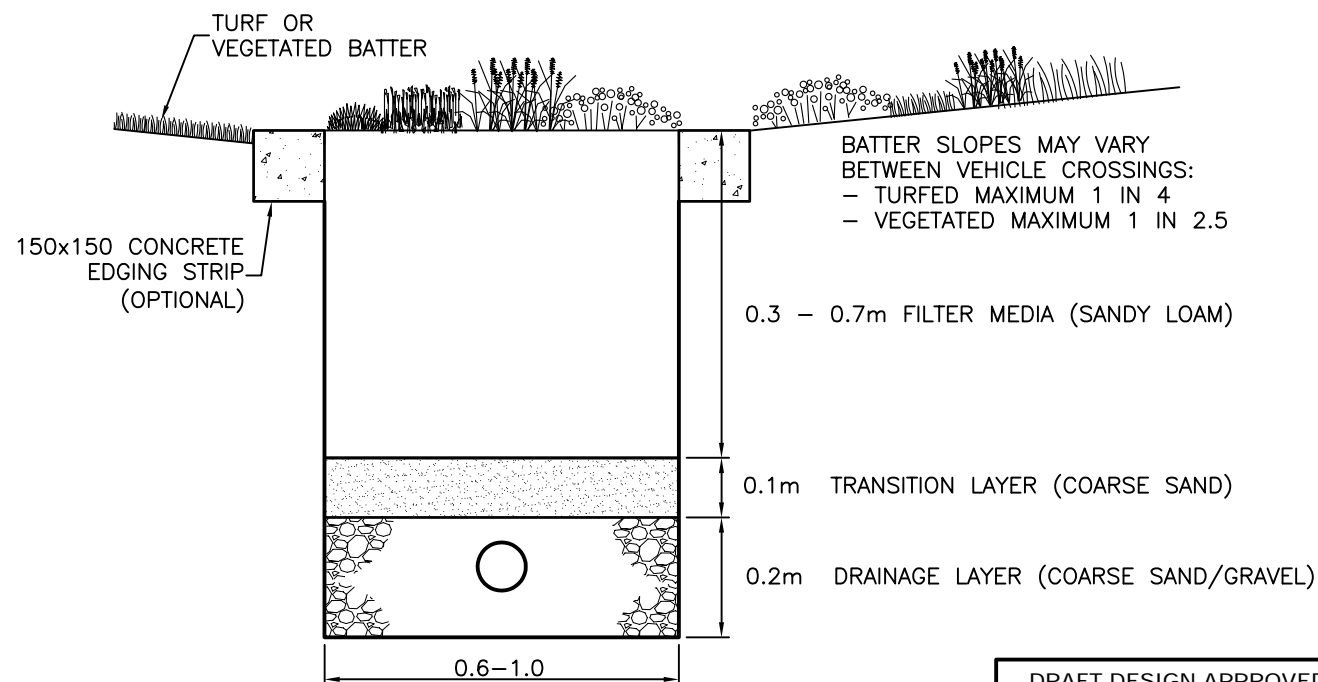


DRAFT ISSUE
FOR DISCUSSION PURPOSES



- BOLLARDS OR SAFETY BARRIERS AND LANDSCAPED BUFFERS ARE REQUIRED AROUND RAISED GRATES IN FOOTPATHS.
- ADEQUATE PROVISION IS TO BE PROVIDED FOR THE PASSAGE OF PEDESTRIANS AROUND OBSTRUCTION (TYPICALLY 1.8m MIN. CLEARANCE).

BIORETENTION CELL LAYOUT (SECTIONAL VIEW)



TYPICAL SECTION

DRAFT DESIGN APPROVED FOR ISSUE
SIGNATURE : P Cotton signature DATE : 09/03/05
on original
MANAGER INFRASTRUCTURE MANAGEMENT - R.P.E.Q. : 2546

NOTES:

- SLOTTED PIPES TO SUBSOIL DRAINS TO BE MINIMUM 100mm DIAMETER:
 - PVC PIPES AND FITTINGS FOR DRAIN, WASTE AND VENT APPLICATIONS, JOINT TYPE, SOLVENT WELDED, MINIMUM SEWER CLASS SN6 MANUFACTURED IN ACCORDANCE WITH AS1260.
 - FIBRE REINFORCED CONCRETE PIPE MINIMUM CLASS 1, MANUFACTURED TO AS4139. JOINT TYPE, RUBBER RING (SUPERTITE).
 - POLYOLEFIN PIPES MANUFACTURED IN ACCORDANCE WITH DRAFT A0308-2003-06-10 "POLYETHYLENE AND POLYPROPYLENE PIPES AND FITTINGS FOR DRAINAGE AND SEWERAGE APPLICATIONS".
- MINIMUM PIPE GRADES TO COMPLY GENERALLY WITH AS3500 - NATIONAL PLUMBING AND DRAINAGE CODE PART 3 STORMWATER DRAINAGE:
 - 1.0% GRADE FOR PIPES ≤150 DIAMETER.
- FOR APPROVED FIELD INLET GRATES REFER UMS 337. ALTERNATIVE GRATE DESIGNS MAY BE SUBSTITUTED IF APPROVED BY THE MANAGER, INFRASTRUCTURE MANAGEMENT BRANCH.
- INLET GRATES MAY BE DESIGNED TO COMPLIMENT A PARTICULAR STREETSCAPE OR PUBLIC ART THEME. DESIGNERS MUST CONSIDER PEDESTRIAN AND BICYCLE SAFETY AS WELL AS HYDRAULIC EFFICIENCY AND MAINTANCE ACCESS.
- CONCRETE N25 IN ACCORDANCE WITH AS1379 AND AS3600.
- DIMENSIONS IN MILLIMETRES (U.N.O.).

DRAFT ISSUE
FOR DISCUSSION PURPOSES

DRAFT	DRAFT ISSUE FOR DISCUSSION	FEB '05	MAR '05	MAR '05
ISSUE	AMENDMENT	DRAWN DATE	CHK'D DATE	APPR'D DATE

DESIGN AUTHORISED FOR ISSUE	DESIGN	CD/UMD	DATE	Feb '05
MANAGER INFRASTRUCTURE MANAGEMENT R.P.E.Q.:	DRAWN	CD/UMD	DATE	Feb '05
DESIGN APPROVED	CHECKED	IMB (KP)	DATE	Mar '05
PRINCIPAL ENGINEER STRATEGIC INFRASTRUCTURE MANAGEMENT	DRAWING FILENAME	UMS 155 (DRAFT)		
	ASSOCIATED PLANS			



BRISBANE CITY COUNCIL - URBAN MANAGEMENT DIVISION

FOOTPATH BIORETENTION
CELL AND FIELD
INLET DETAILS

SCALE	NOT TO SCALE
DWG No.	UMS 155
ORIGINAL SIZE	A3
REVISION	DRAFT