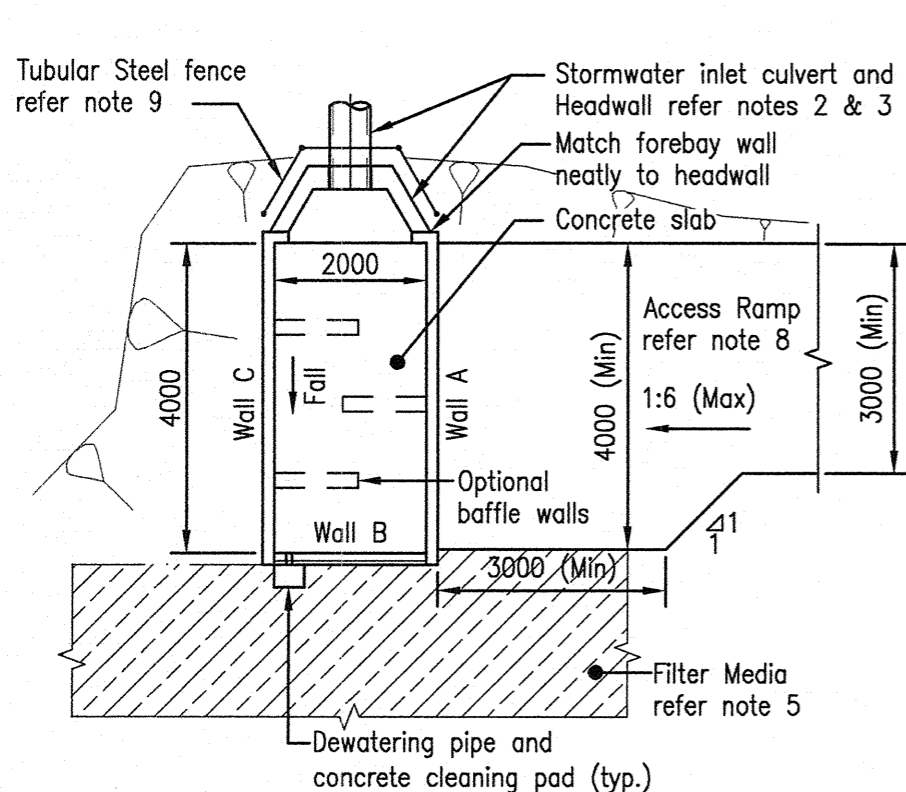
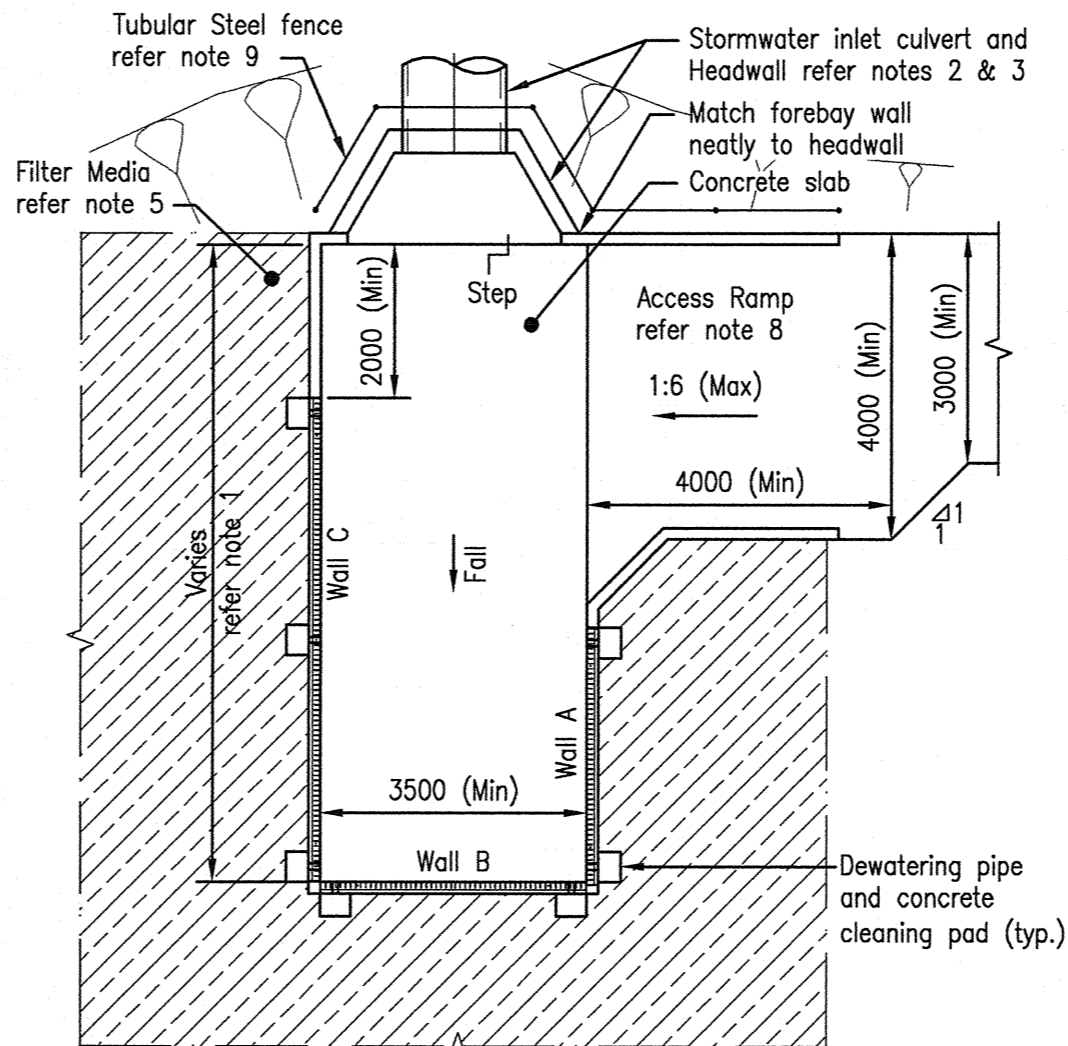


REINFORCEMENT DETAIL
TYPICAL FOR ALL WALLS, BAFFLES AND FOOTINGS



SMALL SEDIMENT FOREBAY LAYOUT
FOR INLET CULVERTS $\leq \phi 525$ OR
CONTRIBUTING CATCHMENT AREA $\leq 1.5\text{Ha}$



LARGE SEDIMENT FOREBAY LAYOUT
FOR INLET CULVERTS $\geq \phi 600$ OR
CONTRIBUTING CATCHMENT AREA $> 1.5\text{Ha}$

NOTES

1. Refer to relevant section of the "Water Sensitive Urban Design Guidelines" (Water by Design) and project drawings for sizing of forebay. Refer to project drawings for earthworks and setout details. Maintenance period 1 per year, Sediment Loading Rate 1.6T/Ha/Yr.
2. Refer to project drawings for stormwater inlet culvert and headwall type, sizing and invert level. Refer to Transport and Main Roads standard drawings, 1304 and 1305 for headwall details. For RCBC headwall and wingwall details refer to Transport and Main Roads standard drawing 1303.
3. Stormwater culvert may be rotated up to 10° (Max) from long axis of the forebay to suit site conditions.
4. Baffle energy dissipators must only be installed on small sediment forebay as specified on Ipswich City Council standard drawing SD.16.
5. Refer to project drawings and IPWEAQ standard drawings. WSUD-001 to 004 for type, details and sizing of basin filter media.
6. Construction tolerances as documented in the "Water Sensitive Urban Design Construction and Establishment Guidelines – Swales, Bioretention Systems and Wetlands" (Water by Design) must be achieved. Construction tolerances shall be noted on project plans. Invert levels and base levels shall be noted on project drawings.
7. Contraction joints to be provided to at 5m (Max) in concrete slab and 2m (Max) on access ramp.
8. Access Ramp to extend to Council road network. Provide Commercial Driveway Invert and Slab, refer Ipswich City Council standard drawing SR.13 for details. Locking Rail to be installed to new driveway, refer Ipswich City Council drawing SR.36 for details. Access Ramp location may be varied to suit site conditions, refer to project drawings for alignment, setout and earthworks details.
9. Type 2 Tubular Steel Fence in accordance with Ipswich City Council standard drawing for SR.33 to be installed around all headwall/wingwall structures. To be extended adjacent access ramp large sediment forebay for length of side wall. Council's Engineer may direct that fencing be removed, however never where vertical drop off heights $\geq 1000\text{mm}$. Fence posts may be bolted to the top of the concrete walls as an alternative to cast insitu footings.
10. For trash rack locations refer table below.
11. Insitu soil to remain under sediment forebay. Geotechnical engineer to confirm compaction requirements. Structural engineer to confirm footing requirements.
12. All dimensions are in millimetres unless noted otherwise.

Allowable Trash Rack Location

| Basin Size | Wall A | Wall B | Wall C |
|------------|--------|--------|--------|
| Small | No | Yes | No |
| Large | Yes | Yes | Yes |

| REVISIONS | | | | | |
|-----------|----------|------|-----------|----------|------|
| AMENDMENT | INITIALS | DATE | AMENDMENT | INITIALS | DATE |
| F | | | | L | |
| E | | | | K | |
| D | | | | J | |
| C | | | | I | |
| B | | | | H | |
| A | | | | G | |

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APPROVED
[Signature]
CHIEF OPERATING OFFICER (WPR)
DATE 29/11/13

STANDARD DRAWING
SEDIMENT FOREBAYS
TYPICAL LAYOUTS AND GENERAL NOTES

DRAINAGE
SD.15
REV: A DRAWER: 100