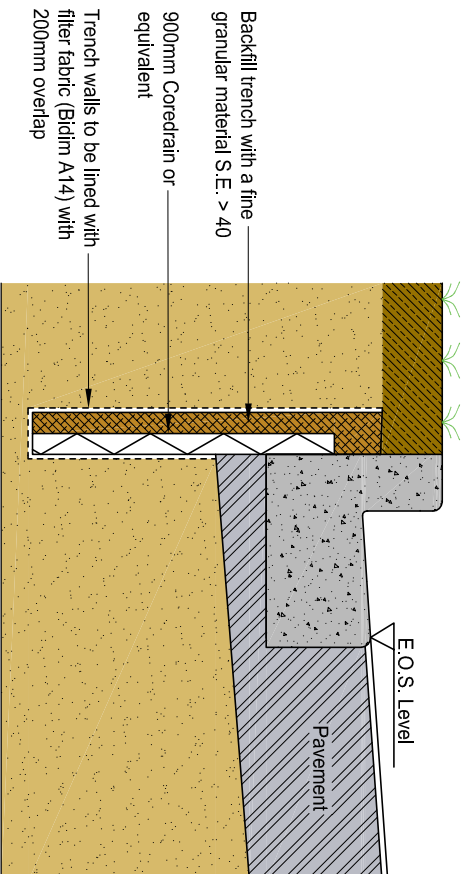
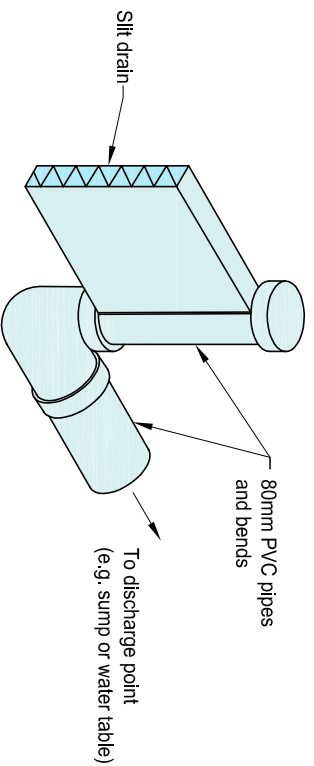


NOTES:

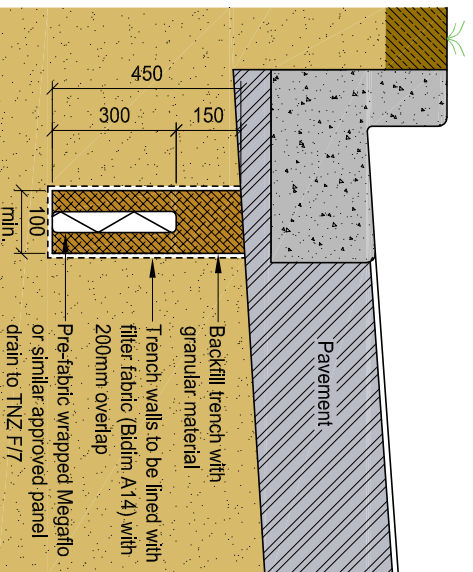
1. Reinforcement not required where thickness of concrete is 200mm or greater.
2. All concrete to be ordinary grade 20 MPa at 28 days minimum density 2320 kg/m³.



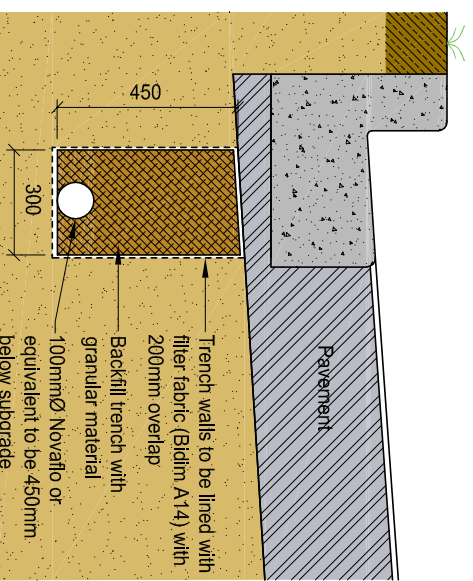
BERM CUT-OFF DRAIN



SLIT DRAIN TERMINATION



SLIT DRAIN ALTERNATIVE



DRAINCOIL ALTERNATIVE

UNDER KERB DRAIN

SUBSOIL DRAIN FOR KERBS

W422

DEVELOPMENT CODE

VERSION 1
AUG 09

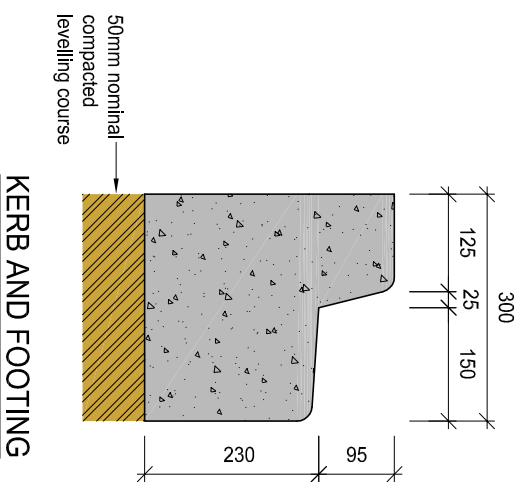
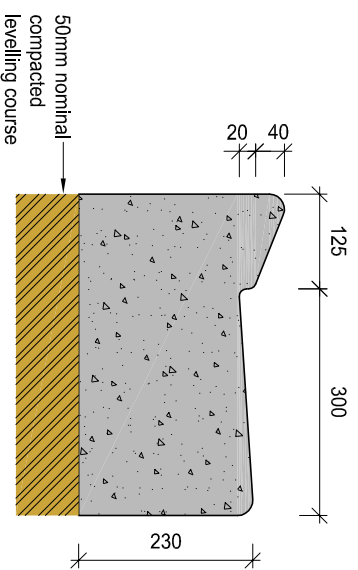
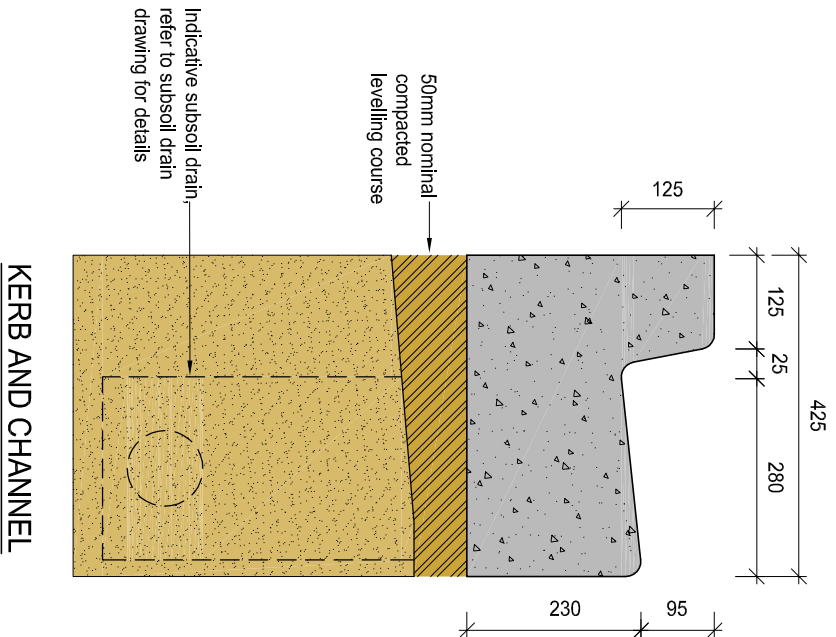
1



EXAMPLE PHOTO

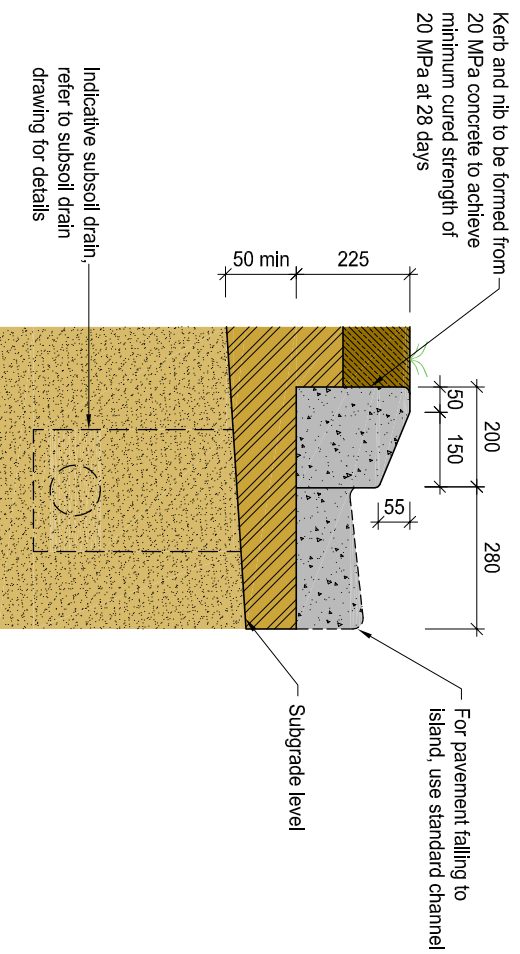
NOTES:

1. Mountable kerb shall only be permitted in areas where the Engineer is satisfied that berms will not be at risk as a result of indiscriminate access or continuous parking and stormwater can be controlled in accordance with design criteria.
2. The subgrade beneath the kerbs shall not be less than CBR 7.
3. A 200mm thick kerb may be used on natural ground in residential areas.
4. Subsoil drains shall be in accordance with specific design.



NOTES:

1. All concrete to be ordinary grade, 20 MPa at 28 days, fair faced finished.
2. Expansion joints required in kerb and channel/nib every 3.6m.

**EXAMPLE PHOTO**

CONCRETE WORK

KERB & NIB FOR TRAFFIC ISLAND

W424

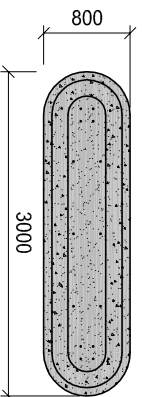
DEVELOPMENT CODE

VERSION 1
AUG 09

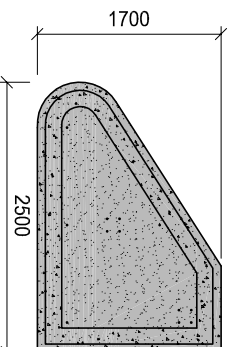
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NOTES:

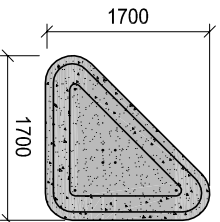
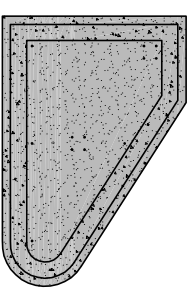
1. Precast traffic islands of other dimensions are available on request.
2. Cement to comply with NZS 3122:1974.
3. Aggregates to comply with NZS 3131, nominal size <14mm.
4. Pigments to comply with NZS 3117.
5. Slip resistance to AS/NZS 3611, mean coefficient (wet) > 0.4 and no specimen <0.35.



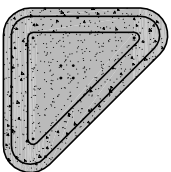
SIDE ISLAND STANDARD PROFILE



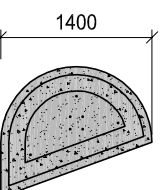
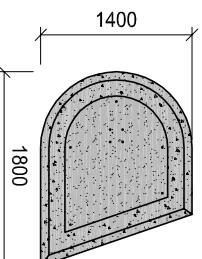
SIDE ISLAND STANDARD PROFILE



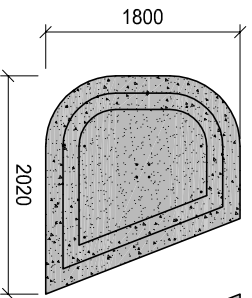
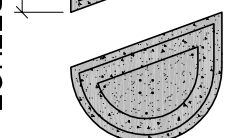
SIDE ISLAND STANDARD PROFILE



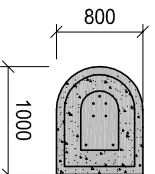
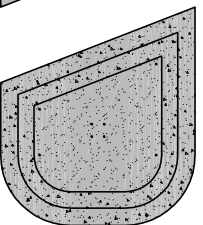
CENTRE REFUGE STANDARD PROFILE



CENTRE REFUGE STANDARD PROFILE SHORT



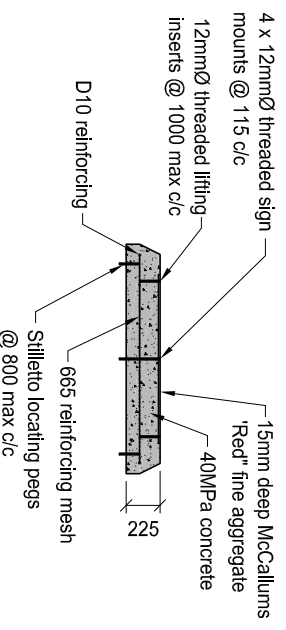
CENTRE REFUGE LOW PROFILE



BARRIER GATE PEDESTAL STANDARD PROFILE



TYPICAL CROSS SECTION



CONCRETE WORK
PRECAST TRAFFIC ISLANDS

W425

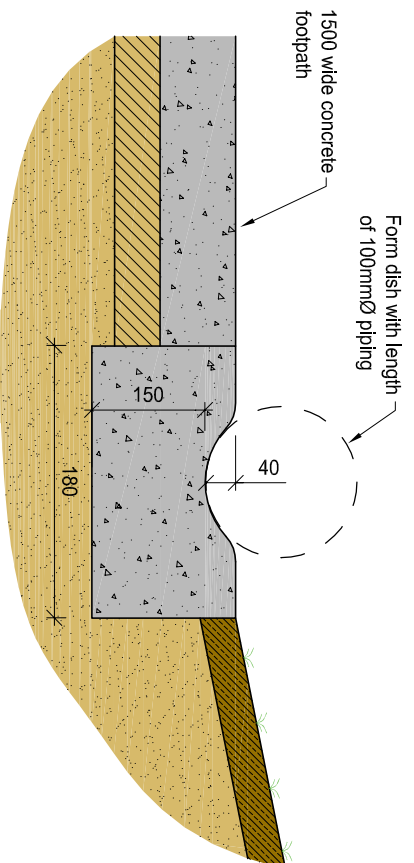
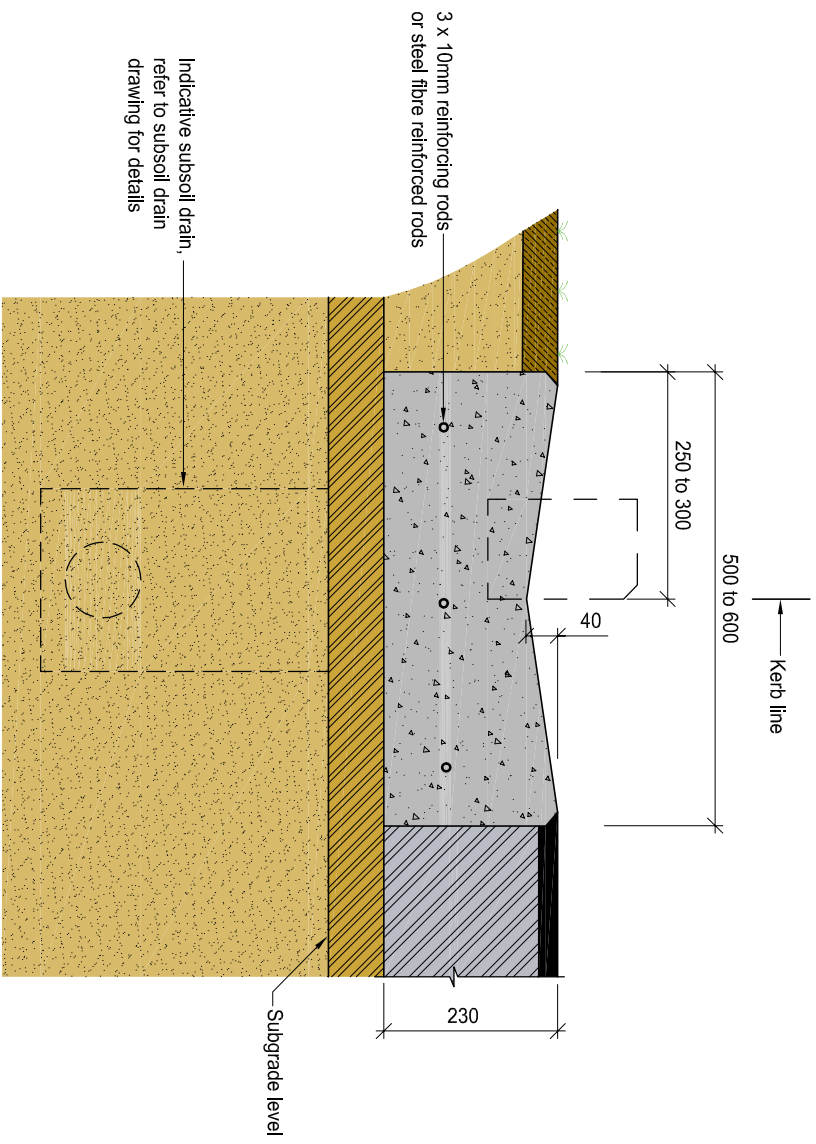
DEVELOPMENT CODE

VERSION 1
AUG 09

1

NOTES:

1. Reinforcement not required where thickness of concrete is 200mm or greater.
2. All concrete to be ordinary grade 20 MPa at 28 days minimum density 2320 kg/m³.



CONCRETE WORK
DISHED CHANNEL

W426

DEVELOPMENT CODE

VERSION 1
AUG 09

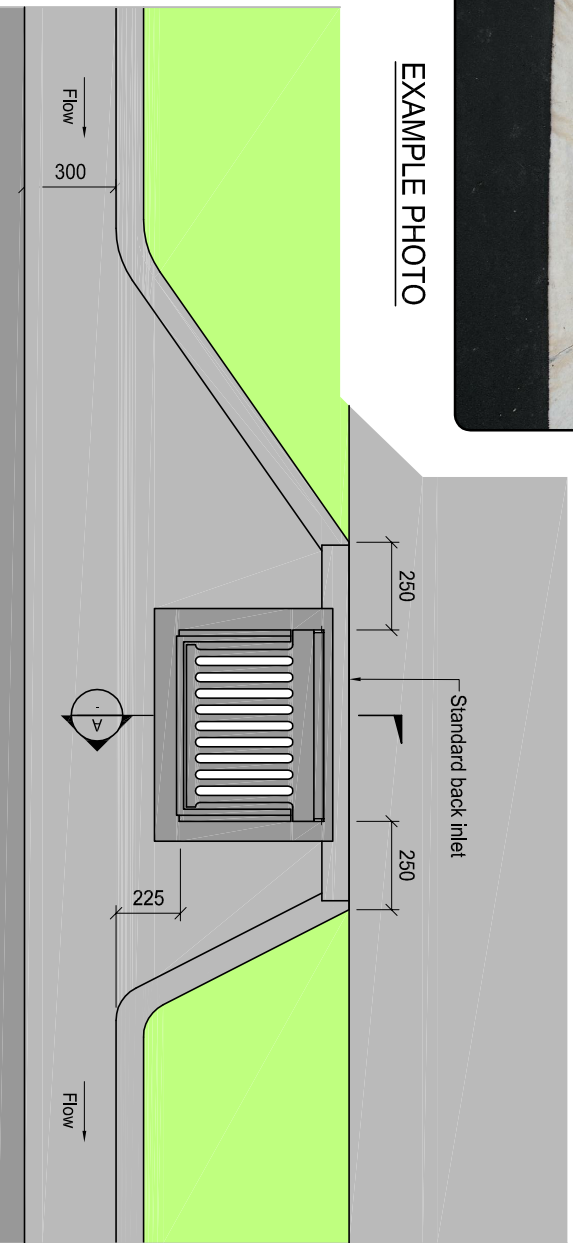
1

NOTES:

1. All concrete to be ordinary grade 20 MPa at 28 days.
2. All pipes to be finished flush with inside wall of sump with ends epoxy mortared.
3. 225mm gap between double sumps.

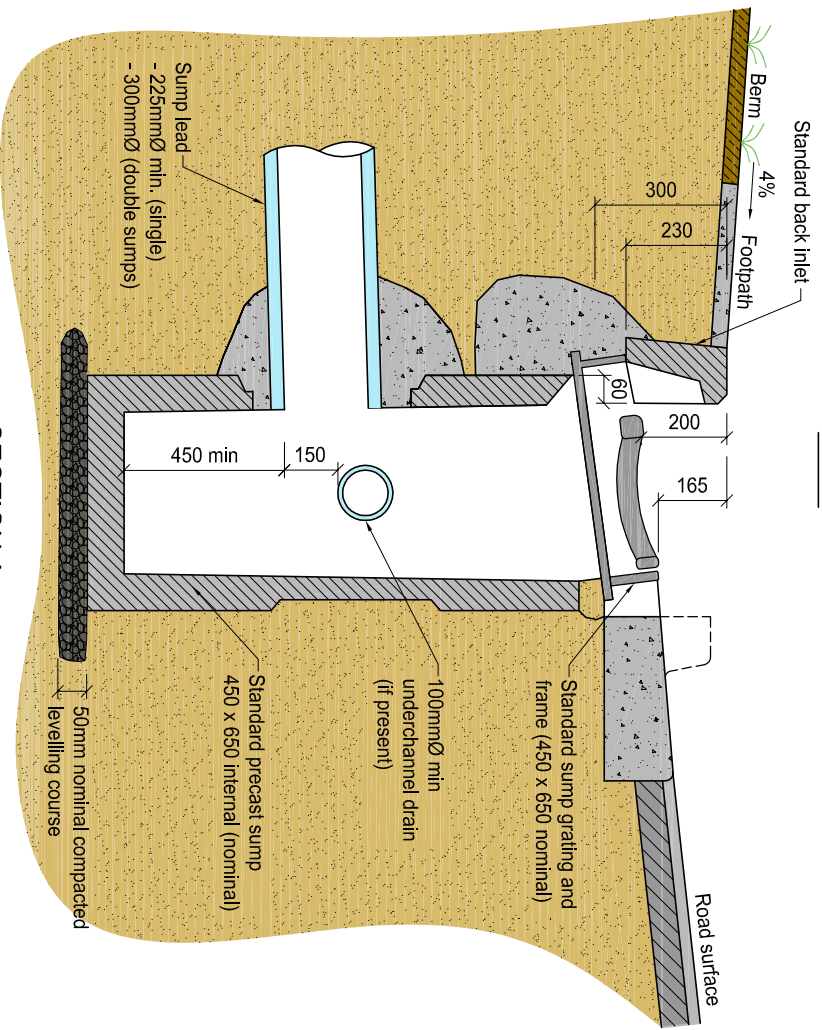


EXAMPLE PHOTO



1000
Minimum (may require to be increased on steep grades)

PLAN



SECTION A

CONCRETE WORK RECESSED SUMP

W427

DEVELOPMENT CODE

VERSION 1
AUG 09

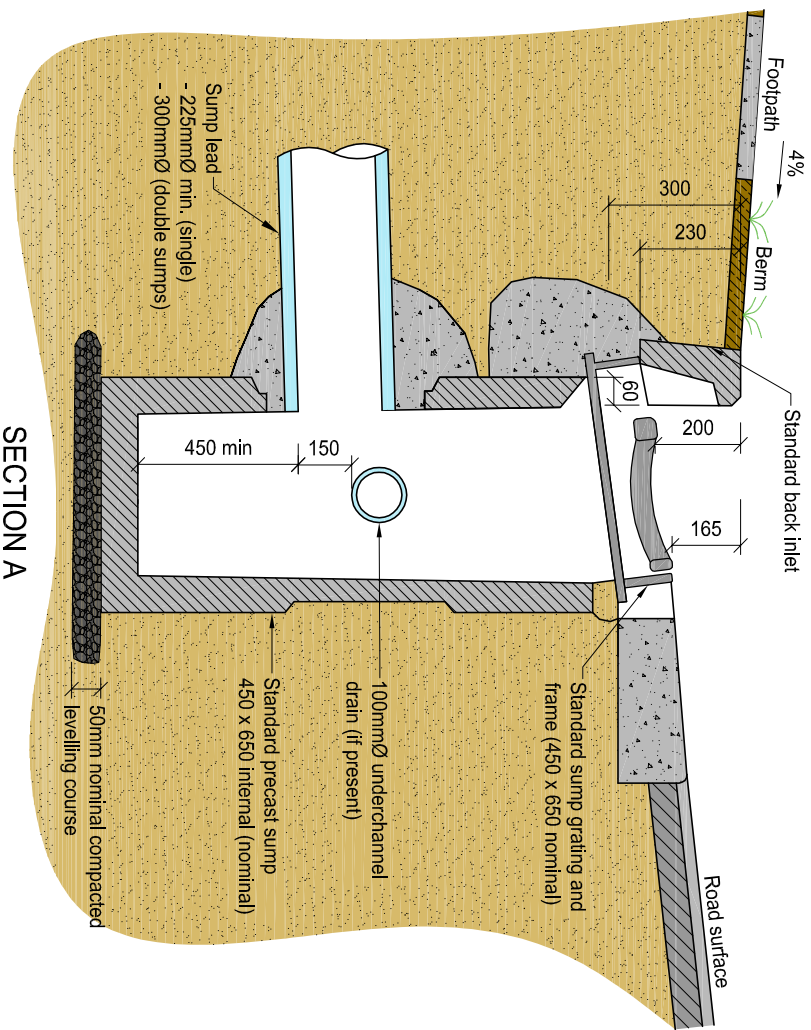
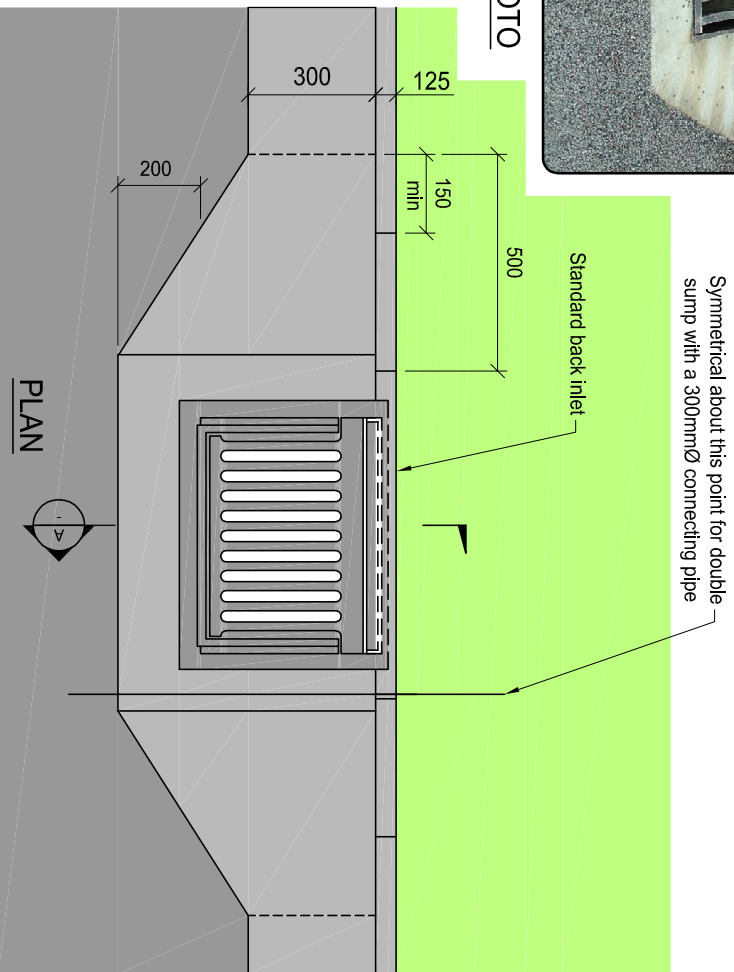
1

NOTES:

1. All concrete to be ordinary grade 20 MPa at 28 days.
2. All pipes to be finished flush with inside wall of sump with ends epoxy mortared.



EXAMPLE PHOTO



SECTION A

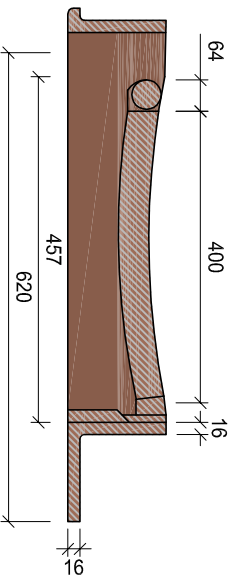
CONCRETE WORK
ALTERNATIVE SUMP (SPECIAL APPROVAL ONLY)

W428

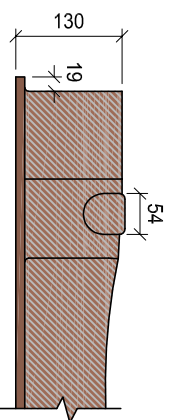
DEVELOPMENT CODE

VERSION 1
AUG 09

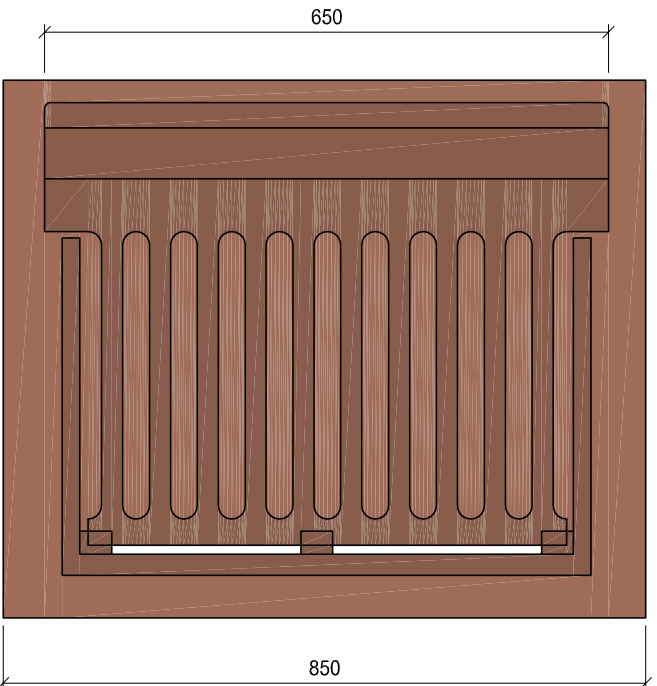
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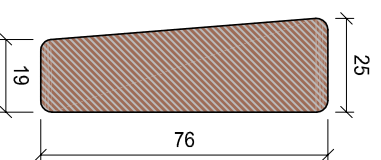
SECTION



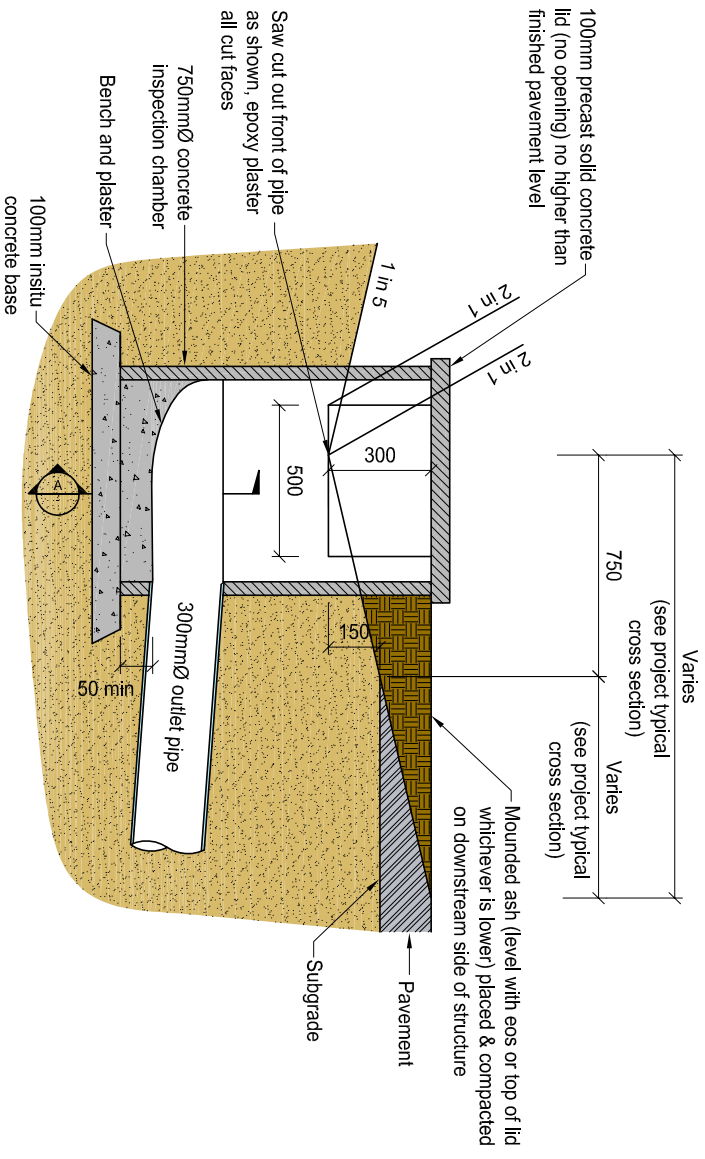
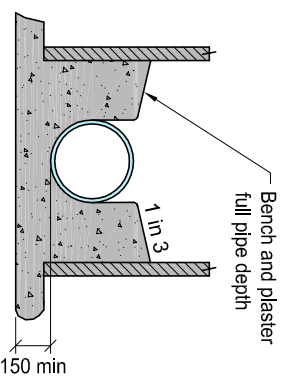
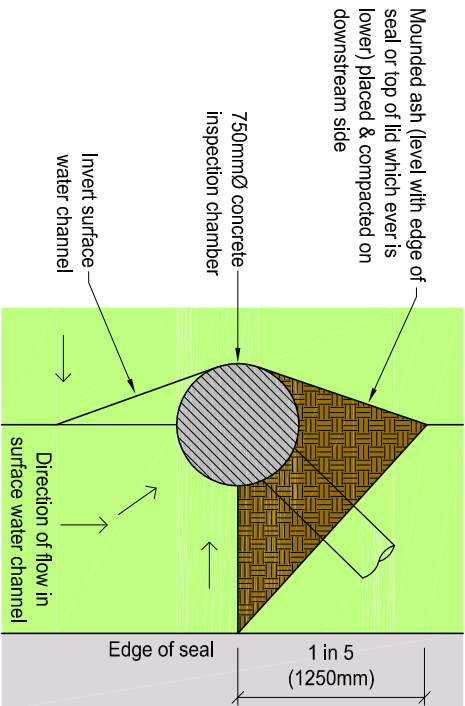
PART END ELEVATION



PLAN



SECTION OF RIB



CONCRETE WORK
DROP STRUCTURE

DEVELOPMENT CODE

W430

VERSION 1
AUG 09

1