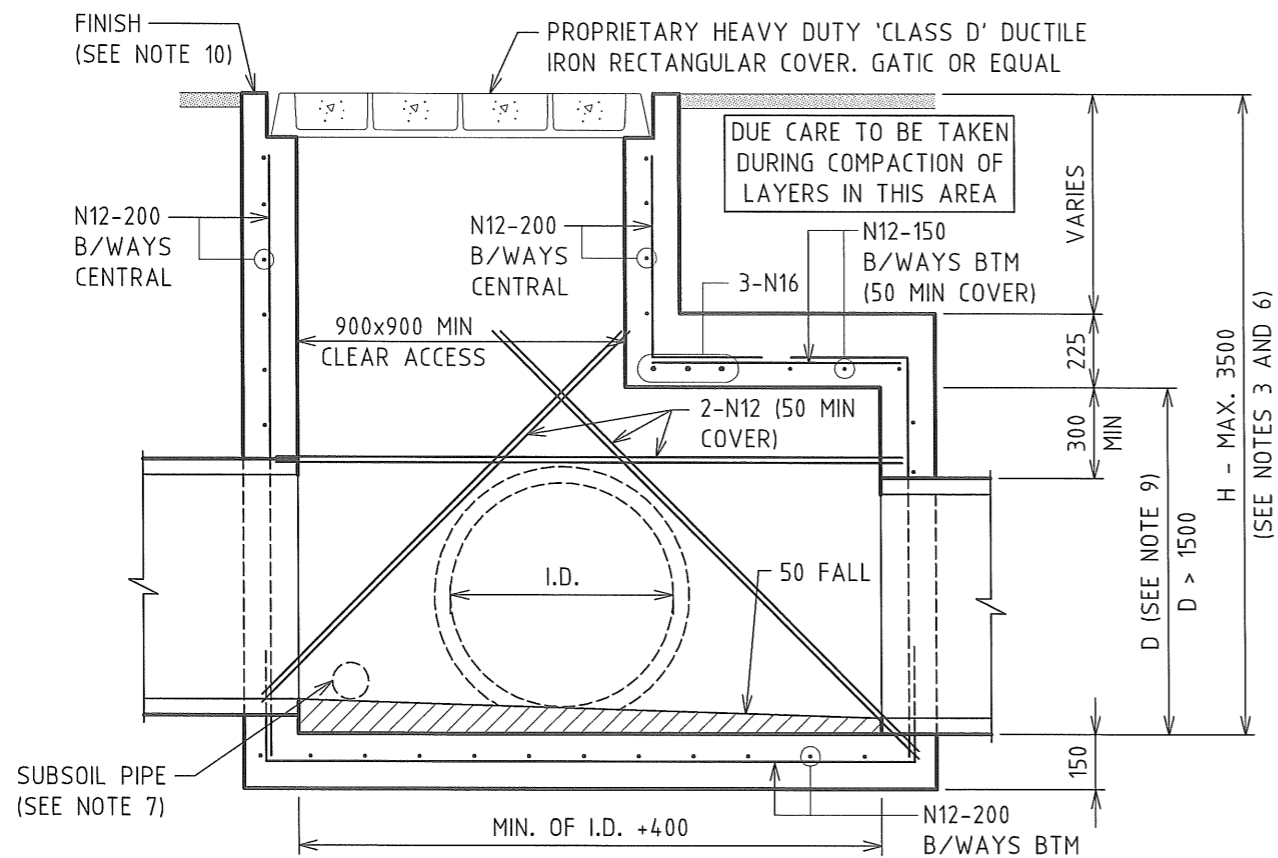


PLAN PIT TYPE JP4

SCALE 1:20

MULTIPLE PIPES AND/OR PIPES UP TO 1200 DIAMETER
(PIPES OMITTED FOR CLARITY)



SECTION D

SCALE 1:20

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. DRAWING NOT TO SCALE.
3. PITS DEEPER THAN 1200 TO BE FITTED WITH STEP IRONS AT 300 CENTRES TO AS1657
4. CONCRETE FOR UNREINFORCED PITS:
- 25 MPa GRADE N25:80:10 IN ACCORDANCE WITH AS1379 AND AS3600.
- CONCRETE FOR REINFORCED PITS:
- 32 MPa GRADE N32:80:10 IN ACCORDANCE WITH AS1379 AND AS3600.
5. STEEL REINFORCING BARS AND FABRIC TO COMPLY WITH AS/NZS4671 GRADE D500N
6. FOR DETAILS OF CONCRETE AND STEEL REINFORCEMENT FOR PITS GREATER THAN 1.5 METERS IN DEPTH SEE TABLE A.
7. 100 DIAMETER SUBSOIL DRAINAGE PIPE 3000 LONG WRAPPED IN FABRIC SOCK WITH END CAP TO BE PROVIDED ADJACENT TO INLET PIPES.
8. POSITION ENTRY AND HINGES TO BEST SUIT SITE CONSTRAINTS AND POSITIONING OF STEP IRONS.
9. DIMENSION 'D' TO BE MINIMUM OF I.D. +300. PIT TYPE JP4 MAY BE UTILIZED WHEN D > 1.5 METRES.
10. CONCRETE FINISHES:
- ALL PEDESTRIAN OR TRAFFICABLE AREAS TO BE NON-SLIP WOOD FLOAT OR BROOM FINISH WITH ALL EXPOSED EDGES ROUNDED TO 5 RADIUS. OTHER EXPOSED SURFACES TO BE OFF STEEL FORM QUALITY.
11. FOUNDING MATERIAL TO ACHIEVE A MINIMUM ALLOWABLE BEARING CAPACITY OF 150KPa

TABLE A: SCHEDULE OF TRAFFICABLE PITS

'H' MAX DEPTH (M)	'L' & 'B' MAX WIDTH/LENGTH (M)	SECTION	CONCRETE GRADE	CONSTRUCTION METHOD
1.2	1.2	150 THICK WALLS UNREINFORCED	25MPa	INTERNAL FORMWORK ONLY WITH HAND VIBRATION
1.5	1.2	150 THICK WALLS UNREINFORCED	25MPa	INTERNAL AND EXTERNAL WALL FORMWORK WITH MECHANICAL VIBRATION
3.5	1.6	150 THICK WALLS REINFORCED AS DETAILED BELOW	32MPa	INTERNAL AND EXTERNAL WALL FORMWORK WITH MECHANICAL VIBRATION

REINFORCEMENT DETAILS: SL92 FABRIC CENTRAL OR N12-200 B/WAYS. HORIZONTAL BARS TO BE CENTRALLY PLACED. RETURN STEEL INTO BASE BY 200 MIN. PROVIDE 200 MIN. LAP AT WALL/WALL CORNERS PROVIDE 50 MIN COVER TO REINFORCEMENT

No.	AMENDMENT DETAILS	DATE	INITIALS
1	CONSTRUCTION	11.06.13	J.C.
0	PRELIMINARY - FOR REVIEW AND COMMENT ONLY	14.12.12	J.C.

SCALE AS SHOWN

COORDINATE SYSTEM: HEIGHT DATUM: AHD

LIVEABLE CITY
INFRASTRUCTURE MANAGEMENT SERVICES

REVIEWED: J.C.

APPROVED:

SIGNED: *[Signature]*
INFRASTRUCTURE MANAGEMENT SERVICES MANAGER
DATE: 11/6/13

THE CITY OF NEWCASTLE

JUNCTION PIT WITH SQUARE CAST IRON ACCESS COVER TYPE JP4

NCC PLAN No. **A2102**

AMENDMENT No.

SHEET No. 1 OF 1 SHEETS