

MULTIPURPOSE + EVACUATION CENTRE

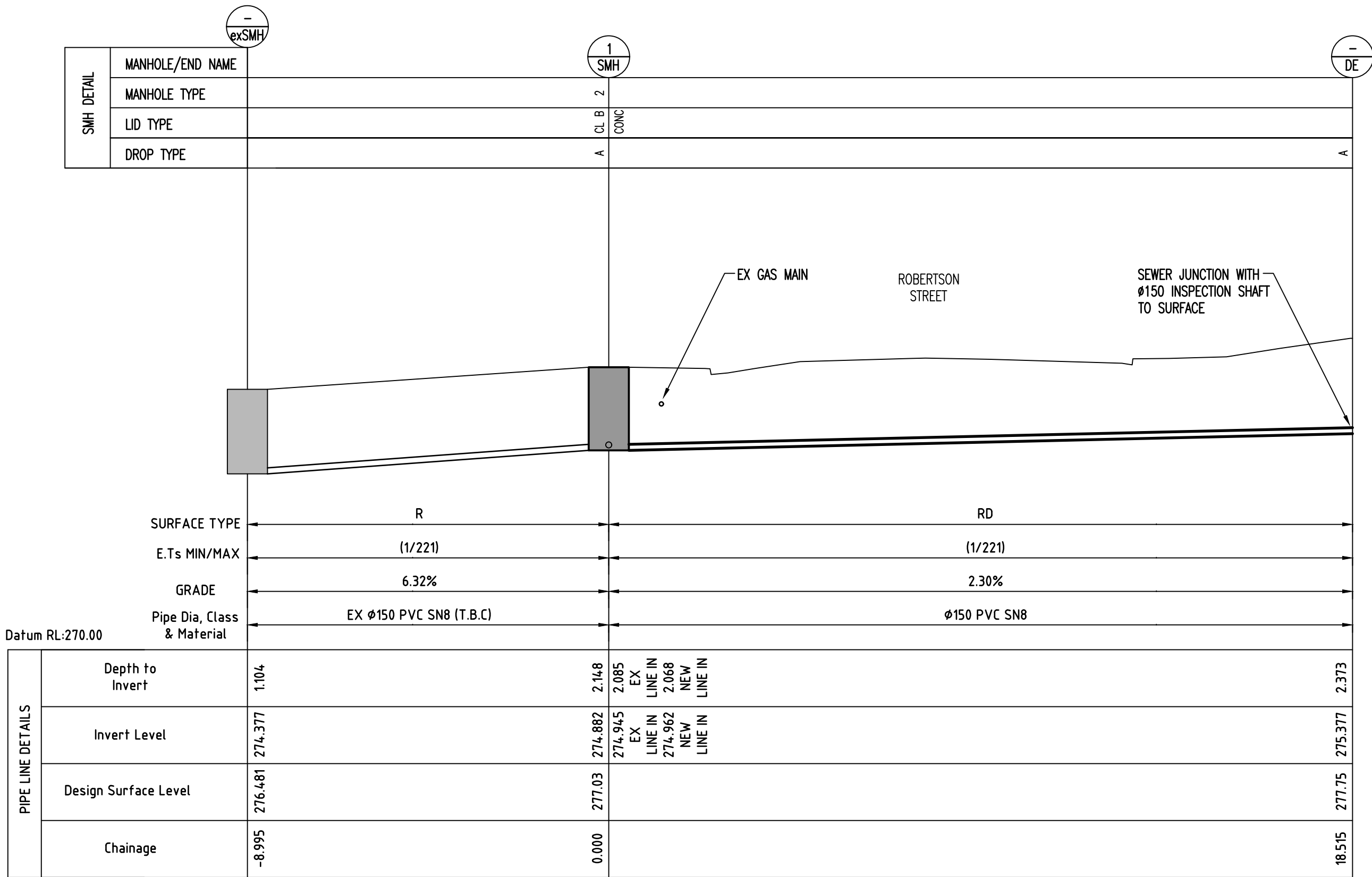
RICHMOND PARK, TUMUT NSW - SEWER MAIN WORKS

SEWER MAIN WORKS - DRAWING SCHEDULE	
SHEET	TITLE
S000	COVER SHEET - SEWER MAIN WORKS
S001	SITE PLAN - SEWER MAIN WORKS

LONG SECTION LEGEND:

MANHOLE TYPE	TYPE 1 <1.2m, TYPE 2 > 1.2m, TYPE 3 EX. DROP, END (IS)
LID TYPE	CLASS (A, B, C, D) METAL, CONCRETE, BOLT DOWN
DROP TYPE	TYPE A "STRAIGHT THROUGH" TYPE B & C "EXTERNAL DROP" TYPE D "INTERNAL DROP"
HC INVERT LEVEL	INVERT LEVEL OF BRANCH
DEPTH TO HC	INVERT TO DESIGN FGL
HC TYPE	A (STRAIGHT THROUGH), B (DROP)
CH. FROM D/S MH	CHAINAGE FROM DOWNSTREAM MAINTENANCE HOLE
SURFACE TYPE	"R" RESERVE, "L" LOT, "RD" ROAD, "F" FOOTPATH

REFER TO COUNCIL STANDARD DRAWINGS FOR HC, SMH INLET AND SMH TYPES



SEWER MAINS DIVERSION – LONGITUDINAL SECTION

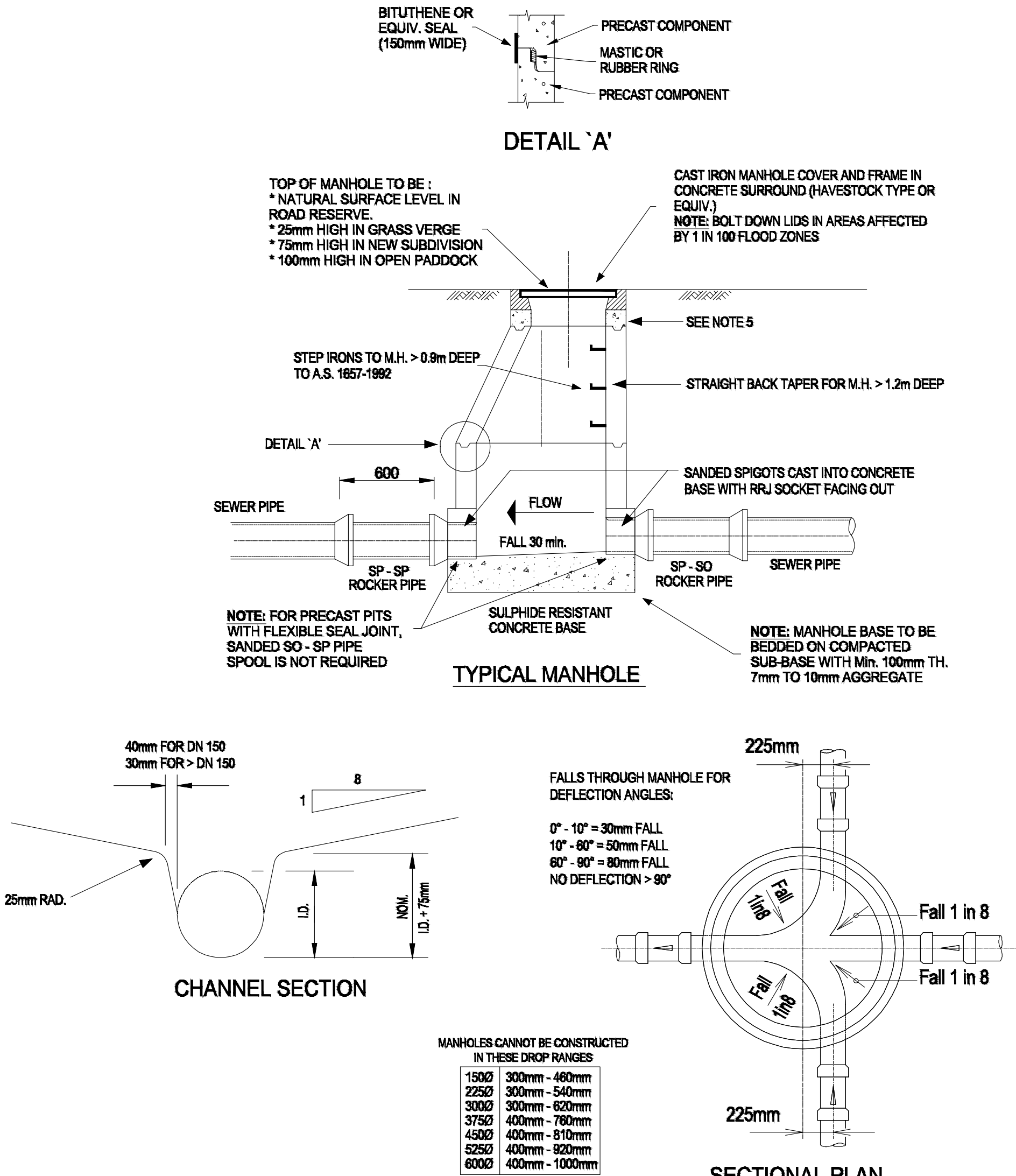
SCALE: HORIZONTAL = 1:100
VERTICAL = 1:100

NOTES :

- THE CONTRACTOR IS TO ASCERTAIN DEPTHS OF EXISTING SERVICES PRIOR TO CONSTRUCTION, LEVELS ON NEW PIPING MAY NEED TO VARY SLIGHTLY TO ACCOMMODATE ACTUAL EXISTING LEVELS
- ALL WORKS TO COMPLY WITH SNOWY VALLEYS COUNCIL REQUIREMENTS, AS 3500 NATIONAL PLUMBING AND DRAINAGE CODE & THE BUILDING CODE OF AUSTRALIA
- BACKFILLING
BACKFILL SERVICE TRENCHES AS SOON AS POSSIBLE AFTER SERVICE HAS BEEN LAID AND BEDDED. PLACE THE BACKFILL IN LAYERS <150mm THICK AND COMPACT TO THE DENSITY WHICH APPLIES TO THE LOCATION OF THE TRENCHES TO MINIMISE SETTLEMENT
- BACKFILL MATERIAL
GENERAL FILL WITH NO STONES GREATER THAN 25mm OCCURRING WITHIN 150mm OF THE SERVICE UNDER ROADS AND PAVED AREAS AND WITHIN 4 METRES OF BUILDING: COARSE SAND, CONTROLLED LOW STRENGTH MATERIAL OR FINE CRUSHED ROCK.
- WORKS ARE NOT TO COMMENSE UNTIL A CONSTRUCTION CERTIFICATE FOR THE WORKS IS ISSUED BY COUNCIL
- COUNCIL IS TO BE ADVISED PRIOR TO COMMENCEMENT OF WORKS
- CUT IN TO COUNCIL'S EXISTING MAINS IS TO BE CARRIED OUT UNDER COUNCILS DIRECT SUPERVISION

SEWER DRAINAGE NOTES:

- ALL EXCAVATION, BEDDING SUPPORT & BACKFILLING OF DRAINS TO BE IN ACCORDANCE WITH SNOWY VALLEYS DEVELOPMENT GUIDELINES AND STANDARD DRAWINGS
- ALLOW TO MAKE GOOD ALL SURFACES INCLUDING PATHS AND DRIVEWAYS etc. ON COMPLETION OF WORKS
- ALLOW TO MAKE APPLICATION TO SNOWY VALLEYS COUNCIL FOR CONNECTION TO COUNCIL MAIN, ORGANISE REQUIRED INSPECTIONS AND PAY ALL ASSOCIATED COSTS
- CEMENT USED TO BE SULPHATE RESISTING CEMENT (BLUE CIRCLE SOUTHERN) OR EQUIVALENT
- CONFINED SPACES REQUIRE CONFINED SPACE TRAINED PERSONNEL
- CONCRETE USED FOR MANHOLES TO BE 50 MPa



SEWER MANHOLE NOTES:

- CONSTRUCTION TO BE IN ACCORDANCE WITH AUSSPEC AND THE WSA 02 - 2002 SEWERAGE CODE AUSTRALIA.
- TO AVOID RISK OF GROUNDWATER INFILTRATION OR TREE ROOT INTRUSION, APPLY AN EXTERNAL BITUMASTIC SEAL TAPE (BITUTHENE OR EQUIV.) 150mm WIDE OVER A COAT OF MANUFACTURERS RECOMMENDED PRIME SEAL TO ALL JOINTS.
- FORM ROUNDED NOSING ON INLET & OUTLET PIPES TO PREVENT DAMAGE TO JETTING EQUIPMENT CCTV GUIDES & CABLES.
- THE MAXIMUM SPACING BETWEEN MANHOLES IS 70m (AUSSPEC). UPSTREAM ENDS OF MAINS TO TERMINATE IN A MAINTENANCE HOLE IF DISTANCE FROM DOWNSTREAM MANHOLE IS GREATER THAN 30m.
- MAKE-UP RINGS - USE Min. OF 1 MAKE-UP RING. PREFERABLY 100mm TO 150mm (TO Max. 350mm) PER SMH DURING CONSTRUCTION TO ALLOW FOR FUTURE SURFACE ADJUSTMENT WITHOUT AFFECTING THE SHAFT SECTIONS. FOR TAPERED MAKE-UP RING ON SLOPING GROUND SEE WSA DWG SEW-1308
- TRENCH STOPS ARE TO BE PLACED ON GRADES 5% TO 14% AND TO BE INCORPORATED WITH CONCRETE BULKHEADS ON GRADES 15% TO 29 %
- THE DISTANCE BETWEEN TRENCH STOPS SHOWN ON THE DESIGN ARE MINIMUM DISTANCES. WHERE THE DISTANCE STATED IS GREATER THAN THE DISTANCE BETWEEN PITS/BENDS/VALVES, A TRENCH STOP IS STILL TO BE PLACED ON THAT LINE
- ALL WORKS SHALL BE IN ACCORDANCE WITH SNOWY VALLEYS COUNCIL STANDARD DRAWINGS

20.05.25	1	TENDER ISSUE	A
DATE	No.	AMENDMENT	ISSUE

THESE DRAWINGS, NOTES AND SPECIFICATION ARE ISSUED AS A GENERAL ILLUSTRATION OF WORKS REQUIRED TO BE INSTALLED. THIS DOES NOT REMOVE THE LIABILITY OF THE CONTRACTOR TO ENSURE THAT THE WORKS ARE INSTALLED IN ACCORDANCE WITH THE BCA, AUSTRALIAN STANDARDS AND AUTHORITIES HAVING JURISDICTION. IT IS THE CONTRACTORS RESPONSIBILITY TO ENGAGE A THIRD PARTY CERTIFIER AFTER COMPLETION OF THE WORKS.

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AQUATIC ■ SPORTS ■ LEISURE ■ CIVIC ■ PROJECT MANAGEMENT		

CLIENT :	Snowy Valleys Council
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PROJECT :
MULTIPURPOSE + EVACUATION CENTRE
RICHMOND PARK
TUMUT NSW

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COVER SHEET - SEWER MAIN WORKS		
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