

SITE PLAN
SCALE 1:200

DRAWING LIST

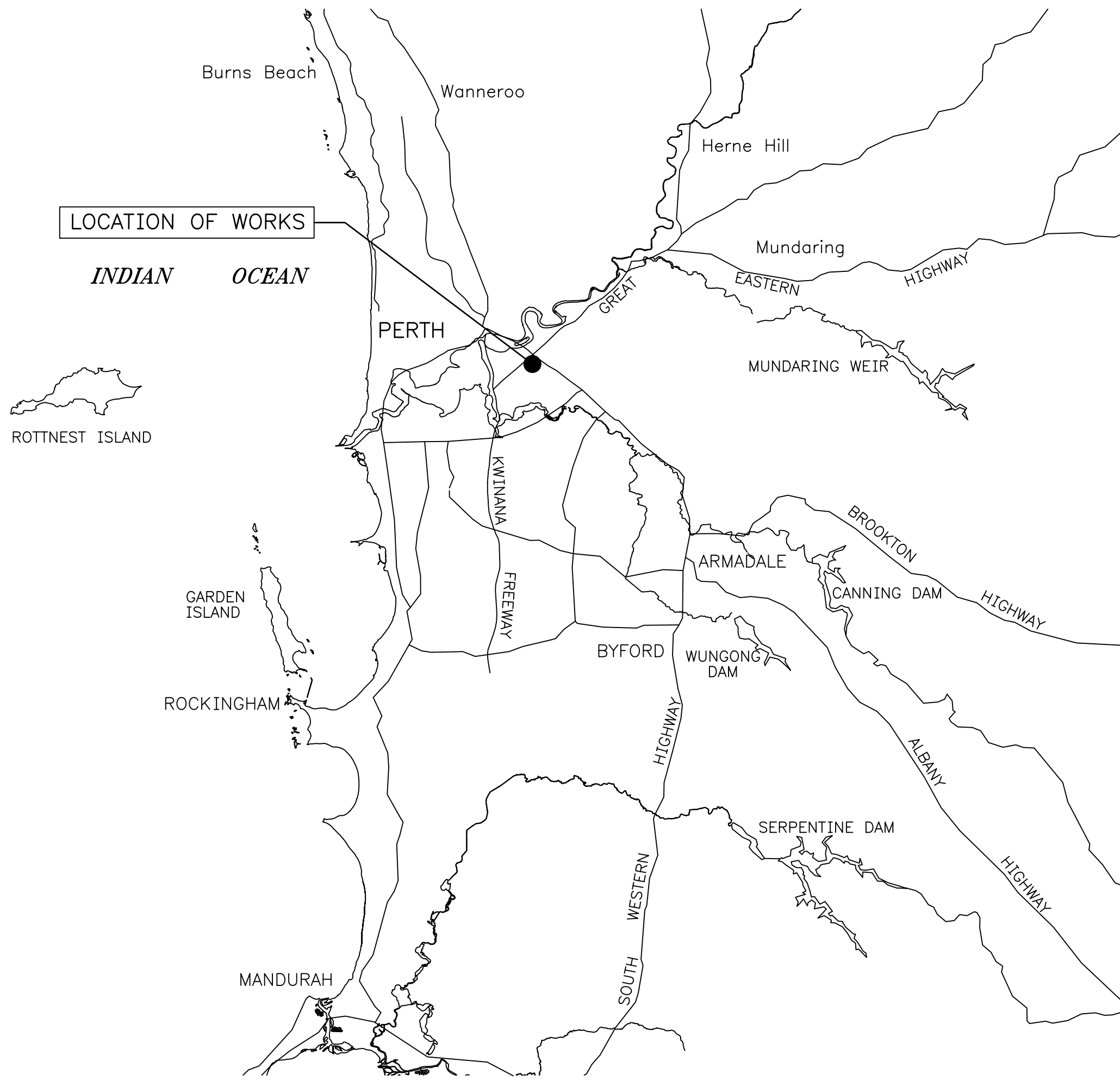
17446-1-1	SITE PLAN AND DRAWING LIST
17446-3-3	EMERGENCY OVERFLOW STORAGE - TANK DETAILS
17446-3-4	EMERGENCY OVERFLOW STORAGE - AIR VENT DETAILS

WATER CORPORATION STANDARD
REFERENCE DRAWINGS

AA01-11-1	BEDDING AND BACKFILLING FOR DN100 TO DN375 - PVC SEWERS
AA01-27-1	CIRCULAR PERCAST CONCRETE ACCESS CHAMBERS - FOR DN150 & DN225 SEWERS UP TO 12m DEEP SHEET 1 OF 3
AA01-78-1	MAINTENANCE SHAFTS FOR DN150 TO DN375 SEWERS

CLEARANCE TO WORKS

CTW No.	SERVICE	TYPE
CTW1	DN225 PVC STORAGE PIPE	CONNECTION TO ACCESS CHAMBER



LOCALITY PLAN
DIAGRAMMATIC

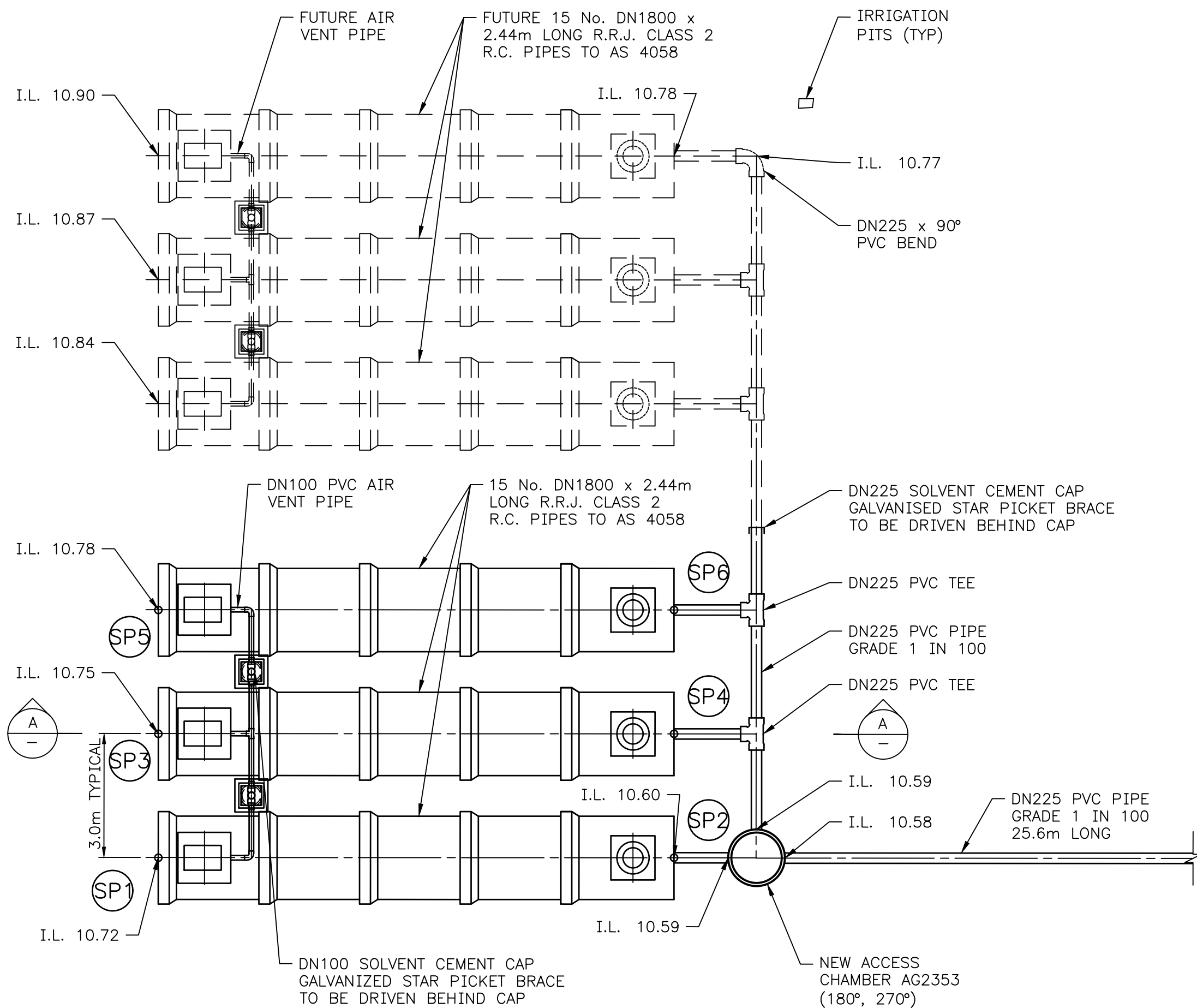
LEGEND	
	NEW SEWER
	EXISTING SEWER
	EXISTING PRESSURE MAIN
	EXISTING WATER MAIN
	EXISTING DRAINAGE
	EXISTING O/H POWER
	EXISTING FENCE
	CADASTRAL BOUNDARY
	STRUCTURAL ROOT ZONE
	TREE PROTECTION ZONE
	EXISTING TREE



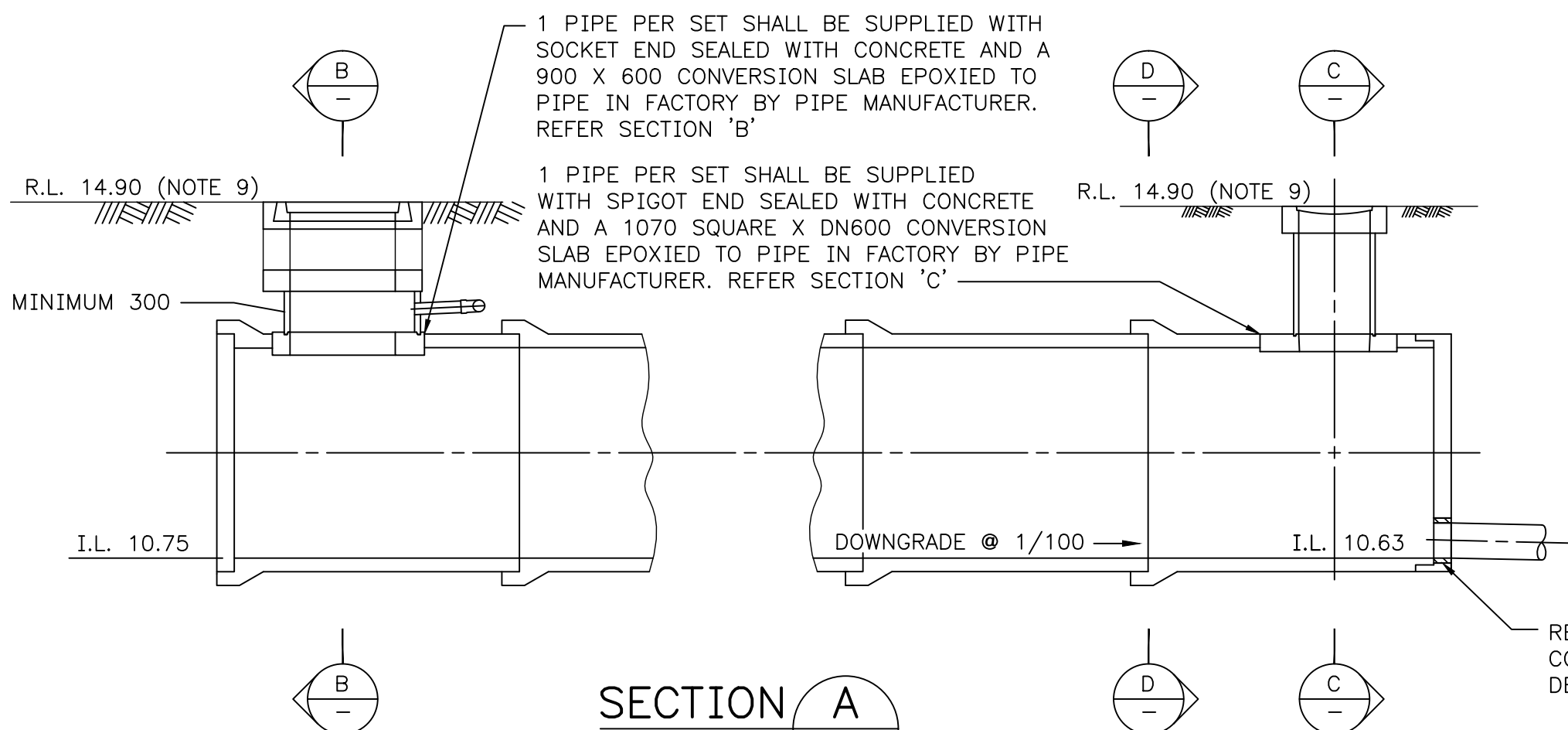
NOTE:
THE LOCATION OF OTHER UTILITIES HAS NOT NECESSARILY BEEN ESTABLISHED BY SURVEY, BUT IS BASED ON DIGITAL SERVICE DATA PROVIDED BY THE ASSET OWNERS AND IS INDICATIVE ONLY. SERVICES MUST BE LOCATED AND VERIFIED ON SITE.

5 4 3 2 1 0 5 10 m (1:200)

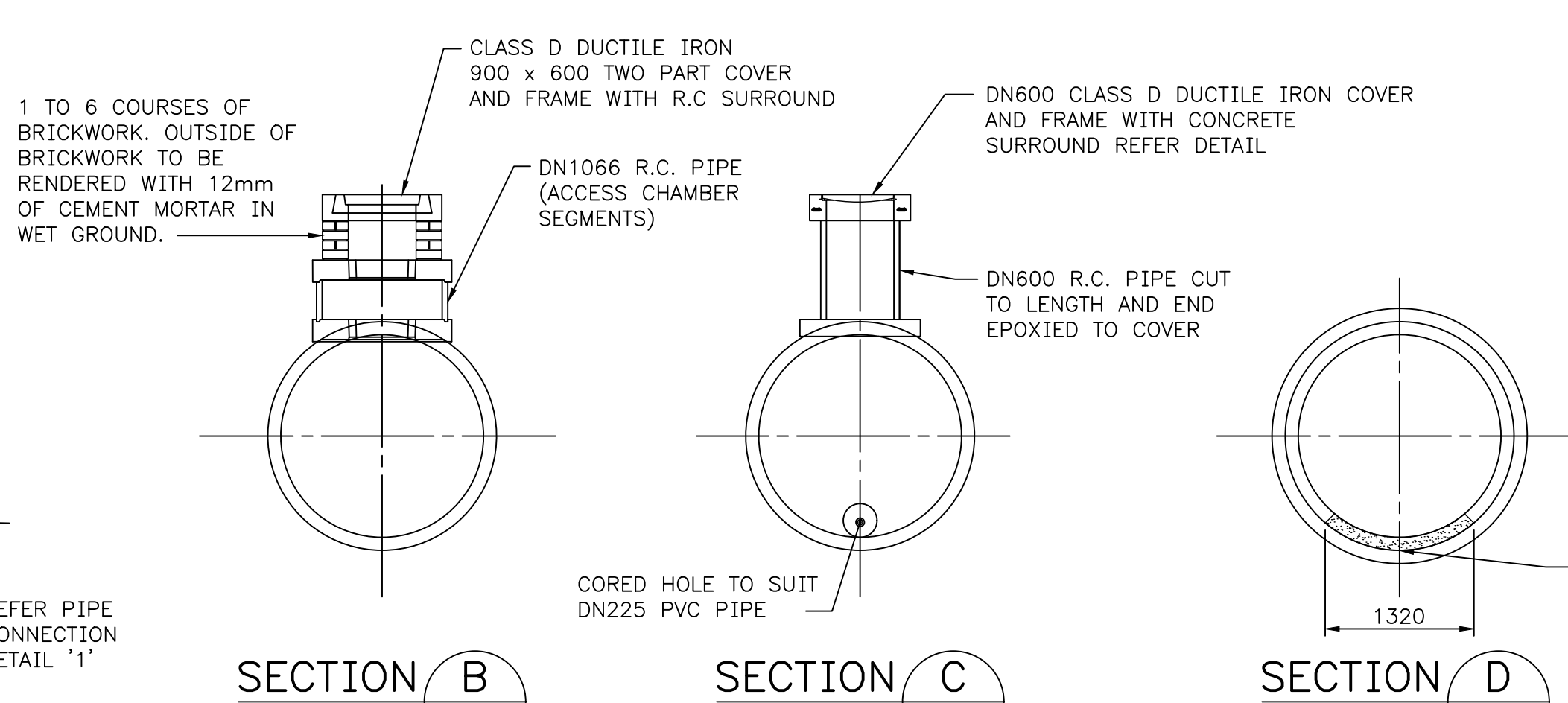
A3	12/2024			REISSUED FOR CLIENT COMMENT	EMC			DESIGN SURVEY GE SURVEYS	VERTICAL DATUM NONE	DES CALC J. OVERHEU			RECOMMENDED		METROPOLITAN WASTEWATER RIVERVALE PUMPING STATION NO.062-02 – MIDGLEY STREET & PM SITE PLAN AND DRAWING LIST			ORIGINAL SHEET SIZE		
							ASCON SURVEY NONE	COORDINATE SYS MGA94-50	DES CHD G. HARRIS	DRN J.OVERHEU			CONSULTANT PROJECT MANAGER		APPROVED	FILE	PLAN	CAD	ISSUE	A1
ISSUE	DATE	GRID		REVISION	DRN	REC	APPD		DES REF GHD 12648517	Q.C. CHD R.SPILLANE						CONSULTANT PROJECT DIRECTOR	PROJECT CS21653		17446-1-1	



PLAN
SCALE: 1



SECTION A
SCALE: 2

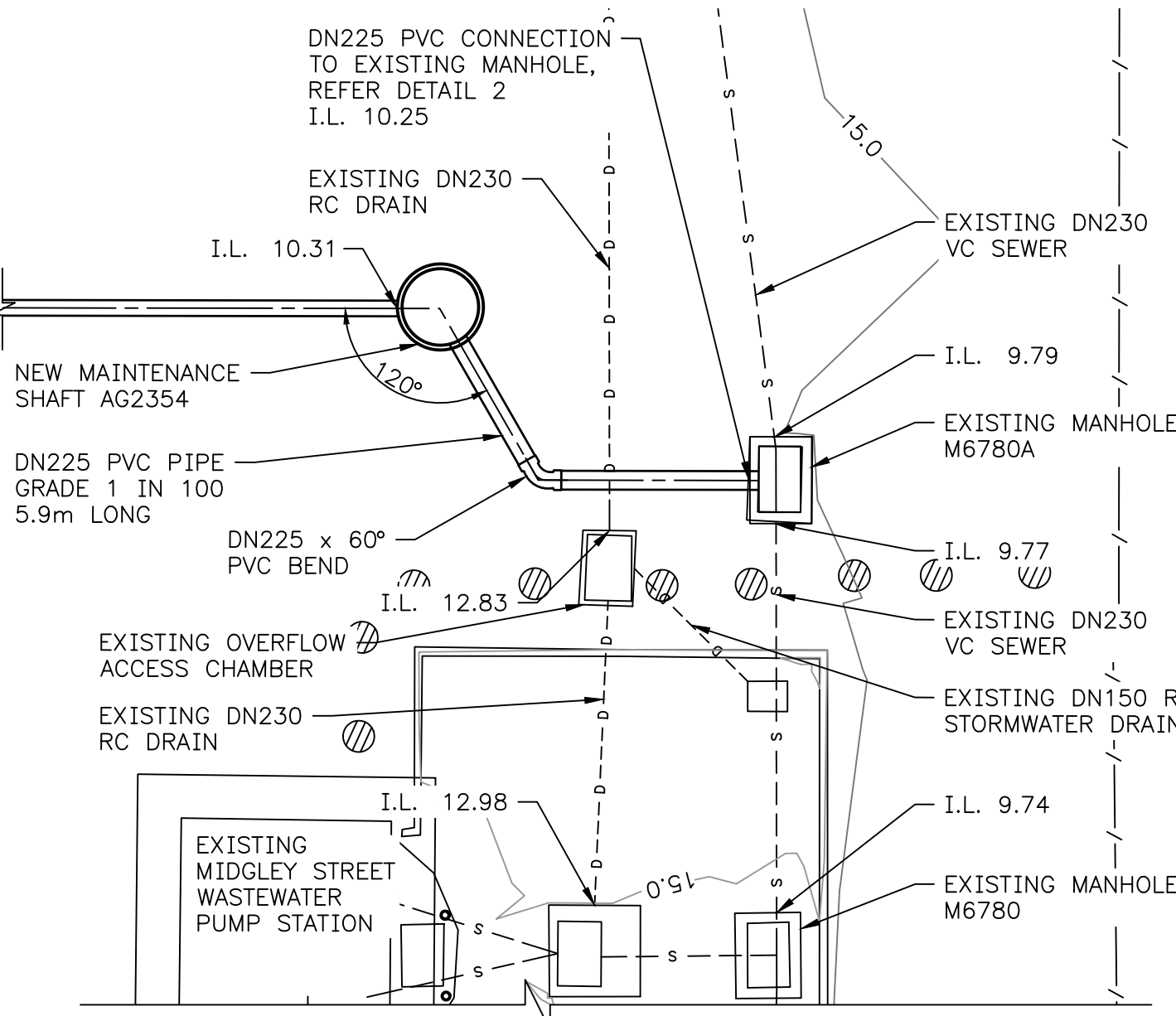


SECTION B
SCALE: 2

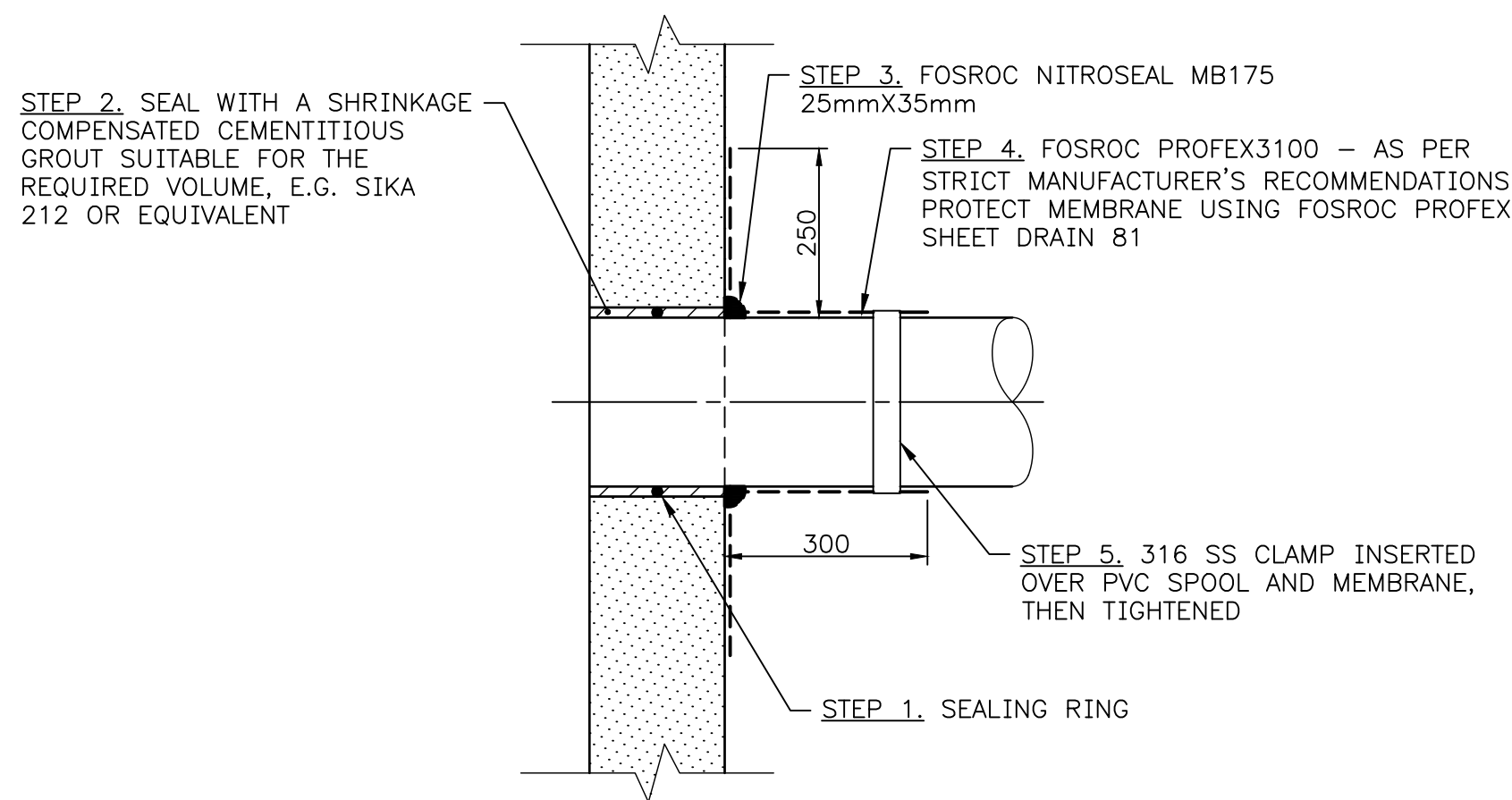
SECTION C
SCALE: 2

SECTION D
SCALE: 2

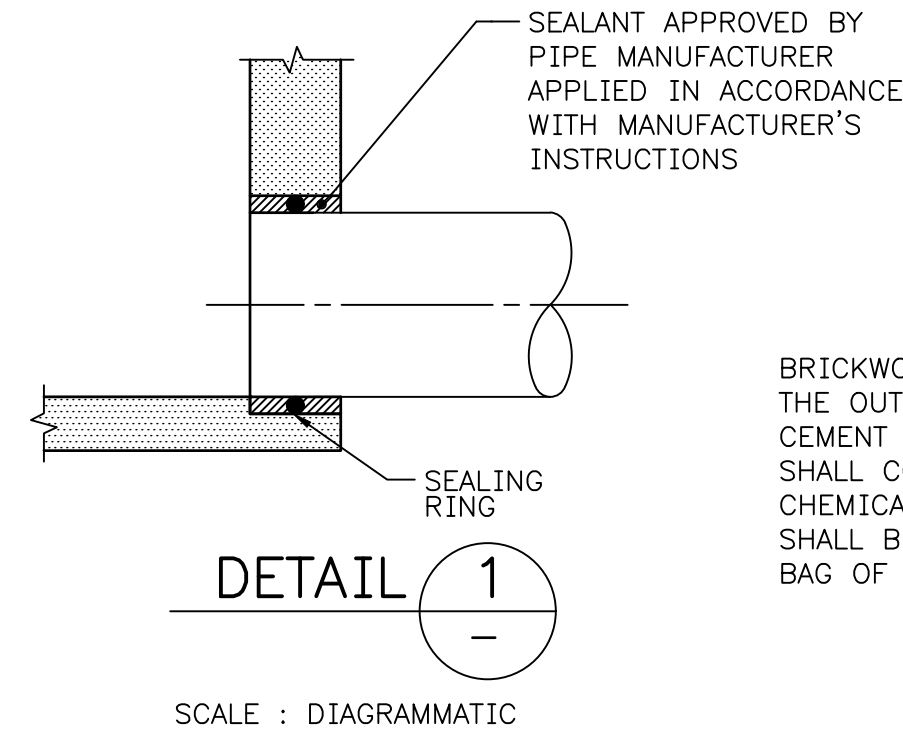
DEEP ARRANGEMENT



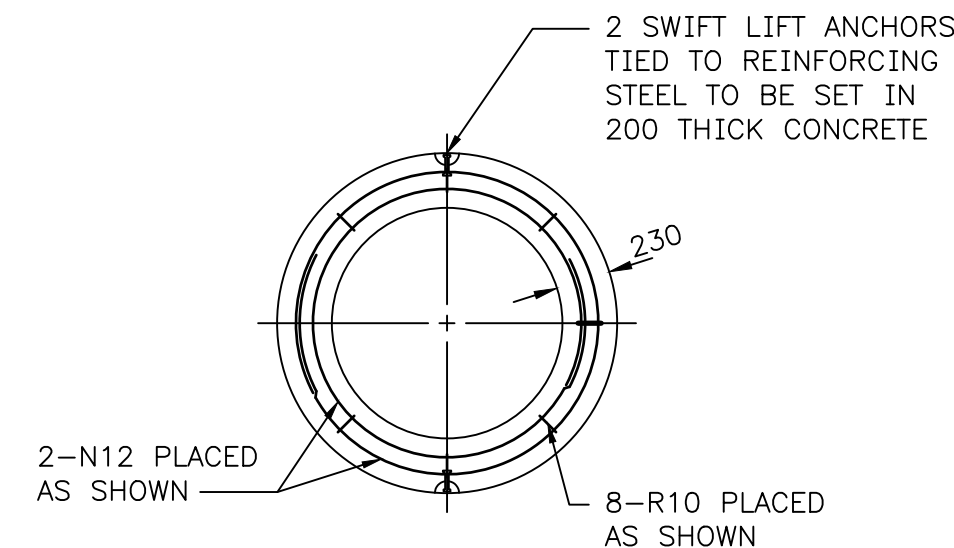
DETAIL 2
SCALE: 4



DETAIL 3
SCALE: 4



DETAIL 1
SCALE: DIAGRAMMATIC



DN600 CONCRETE SURROUND
(COVER AND FRAME NOT SHOWN)
SCALE: 3

BRICKWORK IN WET GROUND SHALL BE RENDERED ON THE OUTSIDE WITH CEMENT MORTAR. IN WET GROUND CEMENT MORTAR USED FOR RENDERING AND BRICKLAYING SHALL CONTAIN DAMP COURSE ADDITIVE CROMMELIN CHEMICALS DAMPCO OR ACCEPTABLE EQUIVALENT. DAMPCO SHALL BE APPLIED AT THE RATE OF ONE LITRE PER BAG OF CEMENT.

BRICKWORK DETAIL

BALL FLOAT SETTINGS (mAHD)	
OVERFLOW TO ENVIRONMENT ALARM LEVEL	12.83m
HALF STORAGE ALARM LEVEL	11.5m
FLOW TO STORAGE ALARM LEVEL	10.6m

FOR COMMON SPECIFICATION NOTES
REFER DRAWING CA01-1-3

GENERAL NOTES

- PVC PIPES AND FITTINGS SHALL BE TO AS/NZS 1260 (STIFFNESS) CLASS 'SN8'. MOULDED FITTINGS SHALL BE CLASS 'SN8'. FABRICATED FITTINGS SHALL BE MANUFACTURED FROM CLASS 'SN8' PIPE AND FIBREGLASS WRAPPED.
- RC PIPES SHALL BE IN ACCORDANCE WITH AS 4058.
- RC PIPES MANUFACTURED TO SUIT END AND ACCESS ARRANGEMENTS AS DETAILED ON THIS PLAN ARE AVAILABLE FROM HUMES. ALTERNATIVE PRODUCTS OR BRANDS MAY BE USED IF ACCEPTED BY THE WATER CORPORATION.
- DUCTILE IRON COVER ASSEMBLIES SHALL BE IN ACCORDANCE WITH SPS 801.
- BRICKS SHALL BE STANDARD SIZE 230 x 110 x 76.
- WET GROUND IS EITHER:
 - CLAY OR LOAMY SOIL (INCLUDING PINDAN SAND) OR
 - ANY GROUND LESS THAN 0.6m ABOVE THE ESTIMATED GROUND WATER LEVEL.
- R.C. PIPE INSTALLATION
R.C. STORAGE PIPE INSTALLATION WORK SHALL COMPLY WITH THE INSTALLATION SPECIFICATION FOR TYPE HS1 SUPPORT AS SET OUT IN AS/NZS 3725 - 2007. DESIGN FOR INSTALLATION OF BURIED CONCRETE PIPE.
- FLOTATION
EMPTY OVERFLOW STORAGE TANK IS SAFE AGAINST FLOTATION WHEN GROUND WATER LEVEL IS AT FINISHED GROUND LEVEL PROVIDING BACKFILL HAS BEEN COMPLETED.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE EMERGENCY STORAGE PIPES DURING ALL TEMPORARY CONDITIONS. IN PARTICULAR, UNLESS OTHERWISE APPROVED, THE CONTRACTOR SHALL EMPLOY DEWATERING AS APPROPRIATE AND SHALL TAKE PRECAUTIONS TO PREVENT FLOTATION IN CASE OF FAILURE OF THE DEWATERING SYSTEM AT ALL STAGES OF CONSTRUCTION UNTIL THE SOIL HAS BEEN BACKFILL OVER THE PIPES TO THE LEVELS SHOWN.
- SURFACE LEVEL HAS BEEN ESTIMATED BASED ON ADJACENT SURVEY. FINISHED SURFACE LEVEL SHALL BE REINSTATED TO PRE-CONSTRUCTION LEVEL.

REFERENCE DRAWINGS

COMMON SPECIFICATION NOTES
SITE PLAN AND DRAWING LIST
EMERGENCY OVERFLOW STORAGE - AIR VENT DETAILS

CA01-1-3
17446-1-1
17446-3-4

THIS DRAWING IS DERIVED FROM CA01-5-1G

METROPOLITAN WASTEWATER
RIVERVALE PUMPING STATION NO.062-02 - MIDGLEY STREET & PM
EMERGENCY OVERFLOW STORAGE
TANK DETAILS

ORIGINAL
SHEET
SIZE

A1

FILE PLAN 17446-3-3 CAD ISSUE A3

PROJECT CS21653

ISSUE	DATE	GRID	REVISION	DRN	REC	APPD
566	12/2024		REISSUED FOR CLIENT COMMENT			

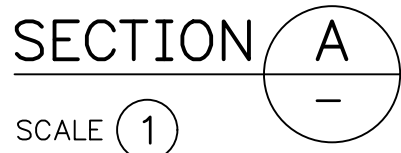
DESIGN SURVEY NONE	VERTICAL DATUM AHD	DES CALC A. SHESHEGOWDA	NORTH POINT
ASCON SURVEY NONE	COORDINATE SYS MGA94-50	DES CHD G. HARRIS	
	DES REF GHD 12648517	DRN E. CALAMLAM Q.C. CHD R.SPILLANE	



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RECOMMENDED
CONSULTANT PROJECT MANAGER
APPROVED
CONSULTANT PROJECT DIRECTOR





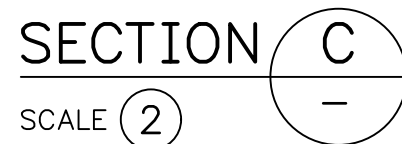
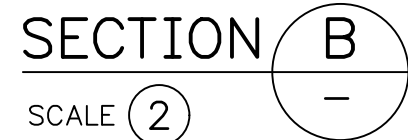
GENERAL NOTES:

1. DUCTILE IRON COVER ASSEMBLIES SHALL BE IN ACCORDANCE WITH SPS 801.
2. VENT PIPE SHALL BE SNB PLAIN UPV, SWS PIPE TO AS/NZS 1260.
3. REINFORCEMENT SHALL COMPLY WITH AS/NZS 4671 AS FOLLOWS:
BARS IDENTIFIED WITH N DENOTES DEFORMED RIBBED, GRADE 500 MPa OF
NORMAL DUCTILITY, AND BARS IDENTIFIED WITH R DENOTES PLAIN ROUND,
GRADE 250 MPa OF NORMAL DUCTILITY.
4. SURFACE LEVEL HAS BEEN ESTIMATED BASED ON ADJACENT SURVEY. FINISHED
SURFACE LEVEL SHALL BE REINSTATED TO THE PRE-CONSTRUCTION LEVEL.

REFERENCE DRAWINGS

COMMON SPECIFICATION NOTES
SITE PLAN AND DRAWING LIST
EMERGENCY OVERFLOW STORAGE - TANK DETAILS

CA01-1-3
17446-1-1
17446-3-3

566 ISS