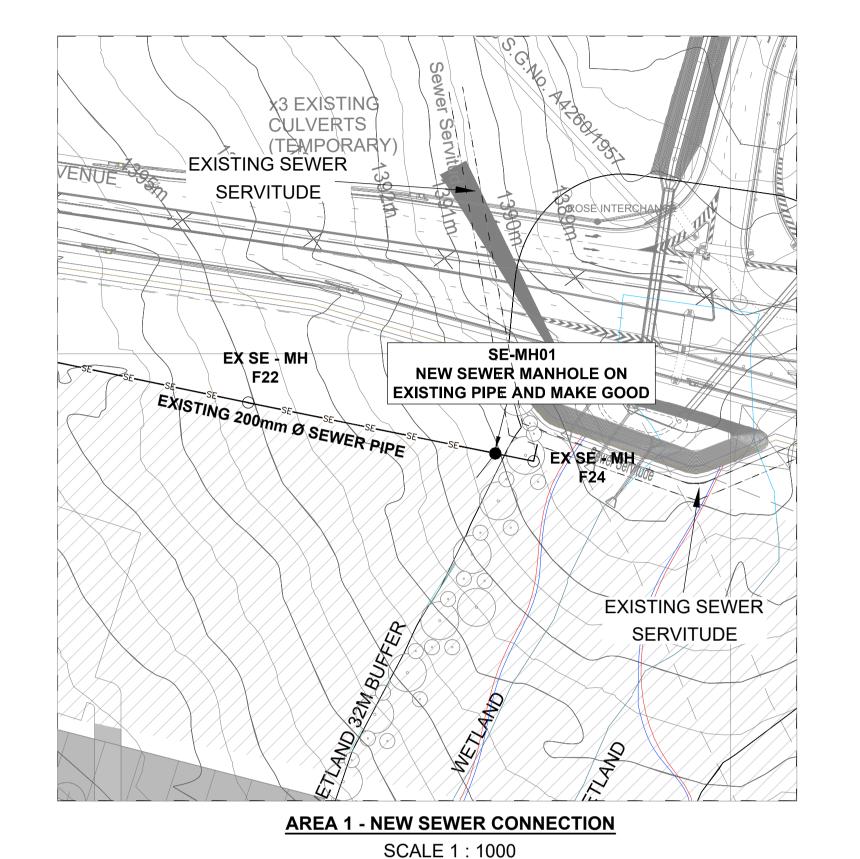


LEGEND EXISTING 200 mm Ø SEWER MAIN **NEW MANHOLE EXISTING MANHOLE ERF CONNECTION**



JOHANNEBURG WATER (PTY) LTD NOTES

GENERAL

1. THE NEW CUSTOMER MANAGER AT THE JOHANNESBURG WATER (PTY) LTD REGIONAL OFFICE MUST BE NOTIFIED BEFORE ANY CONSTRUCTION WORKS RELATED TO THE INSTALLATION OF WATER OR SEWER

- 2. ALL CONSTRUCTION WORK SHALL COMPLY WITH THE RELEVANT SABS 1200 SPECIFICATION AND
- JOHANNESBURG WATER (PTY) LTD SPECIFIC REQUIREMENTS. 3. ALL MATERIALS USED IN INSTALLING WATER AND SEWER MAINS SHALL COMPLY WITH THE RELEVANT
- SABS SPECIFICATION AND WITH THE MINIMUM REQUIREMENTS OF JOHANNESBURG WATER (PTY) LTD.
- 4. THE POSITION AND DEPTH OF ALL EXISTING SERVICES ON THE SITE AND OFF THE SITE WHERE AFFECTED BY THE WORKS SHALL BE CONFIRMED PRIOR TO ANY CONSTRUCTION WORK ON THE
- INSTALLATION OF WATER OF SEWER MAINS BEING COMMENCED.
- 5. ONLY JOHANNESBURG WATER (PTY) LTD. STAFF SHALL CARRY OUT TIE-IN CONNECTIONS TO EXISTING WATER AND SEWER MANHOLES AND MAINS.
- 6. NOTE THAT A MINIMUM OF 2 WEEKS NOTICE SHALL BE GIVEN TO JOHANNESBURG WATER (PTY) LTD. STAFF TO ATTEND SITE INSPECTION, MEETING AND ANY OTHER NECESSARY ON SITE.

SPECIFIC SEWER REQUIREMENTS

- 7. FOR STANDARD DETAILS REFER TO JOHANNESBURG WATER STANDARD DRAWINGS.
- 8. ALL MATERIALS SHALL COMPLY WITH THE RELEVANT SABS SPECIFICATION AND WITH THE
- REQUIREMENTS OF JOHANNESBURG WATER (PTY) LTD. 9. ANCHORING OF SEWER MAINS; GRADE:- BETWEEN 1:12 AND STEEPER: ANCHOR BLOCKS SHALL BE
- INSTALLED AT INTERVALS NOT EXCEEDING 12 METERS
- 10. NO TREES OR SHRUBS SHALL BE PLANTED WITHIN 2 METERS OF ANY SEWER MAIN. 11. SEWER MANHOLES ARE TO BE SPACED A MAXIMUM DISTANCE OF **80 METERS**.

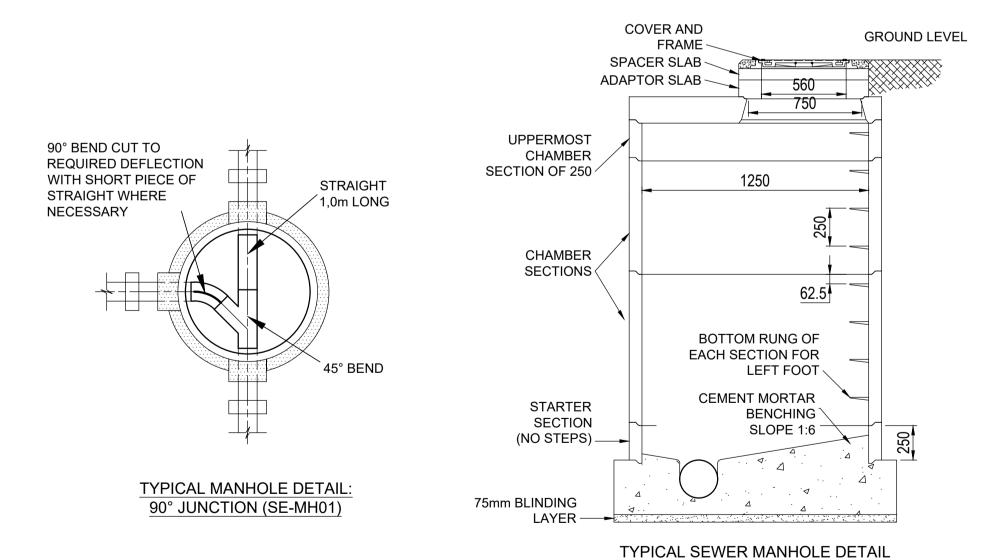
PROJECT NOTES

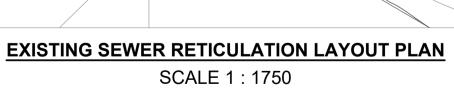
TESTING OF PIPES AND APPURTENANCES

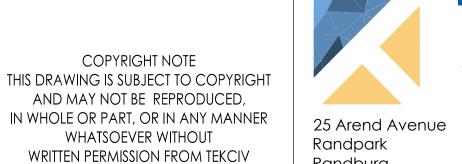
- 12. ITS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT WORKS ARE PROPERLY CARRIED OUT IN ACCORDANCE TO RELAVENT SANS SPECIFICATIONS.
- 13. INSPECTION ON COMPLETION OF THE EXCAVATION PRIOR TO LAYING THE PIPE
- 14. INSPECTION OF PRESCRIBED BEDDING AND THE COMPACTION OF SURROUNDINGS MATERIAL UP TO THE CENTER LINE LEVEL OF PIPE
- 15. AIR AND WATER TEST, AS PRESCRIBED IN THE STANDARD SPECIFICATION, SANS 1200, ARE TO BE CONDUCTED AFTER THE PLACING AND COMPACTION OF THE BACKFILL. CONTRACTOR MUST PRESSURE
- DENSITY TEST MUST BE CONDUCTED ON BEDDING AND BACKFILL MATERIAL. CORRELATED DCP TEST
- 17. INSPECTION OF THE CONSTRUCTION OF THE MANHOLES AND COMPLETION OF THE BACKFILL.
- 18. CCTV INSPECTIONS ARE TO BE CONDUCTED ON ALL SECTIONS OF THE PIPE. THE CCTV VIDEO AND REPORTS ARE TO BE SUBMITTED AS PART OF THE AS-BUILT INFORMATION.

BEDDING AND BACKFILLING

- 19. ALL BEDDING MATERIAL MUST BE OF SELECTED GRANULAR MATERIAL WITH PI LESS THAN 6 AND FREE FROM ORGANIC MATTER, CLAY OR STONES LARGER THAN 20mm.
- 20. BACKFILL MATERIAL MUST BE HOMOGENEOUS AND MUST BE COMPACTED IN 150mm LAYERS TO 93%
- 21. DENSITY TESTS MUST BE CARRIED OUT ON THE BACKFILL AND RESULTS TO BE SUBMITTED AS PART OF THE AS-BUILT INFORMATION.



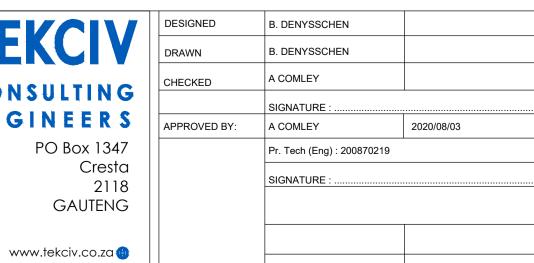




CONSULTING ENGINEERS.



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RIVERVIEW EXT 84 NEW SEWER CONNECTION LAYOUT PLAN

AMENDMENTS					0 10 20 40 60 80m	
SCALE	REV:	DESCRIPTION	APPROVED	DATE:	AS SHOWN	
AS SHOWN	А	ISSUED FOR INFORMATION	A COMLEY	2020/08/03		
					1754/84/400S A PROJECT No. REV.	
					A1 SHEET 1 OF 1 OF III	