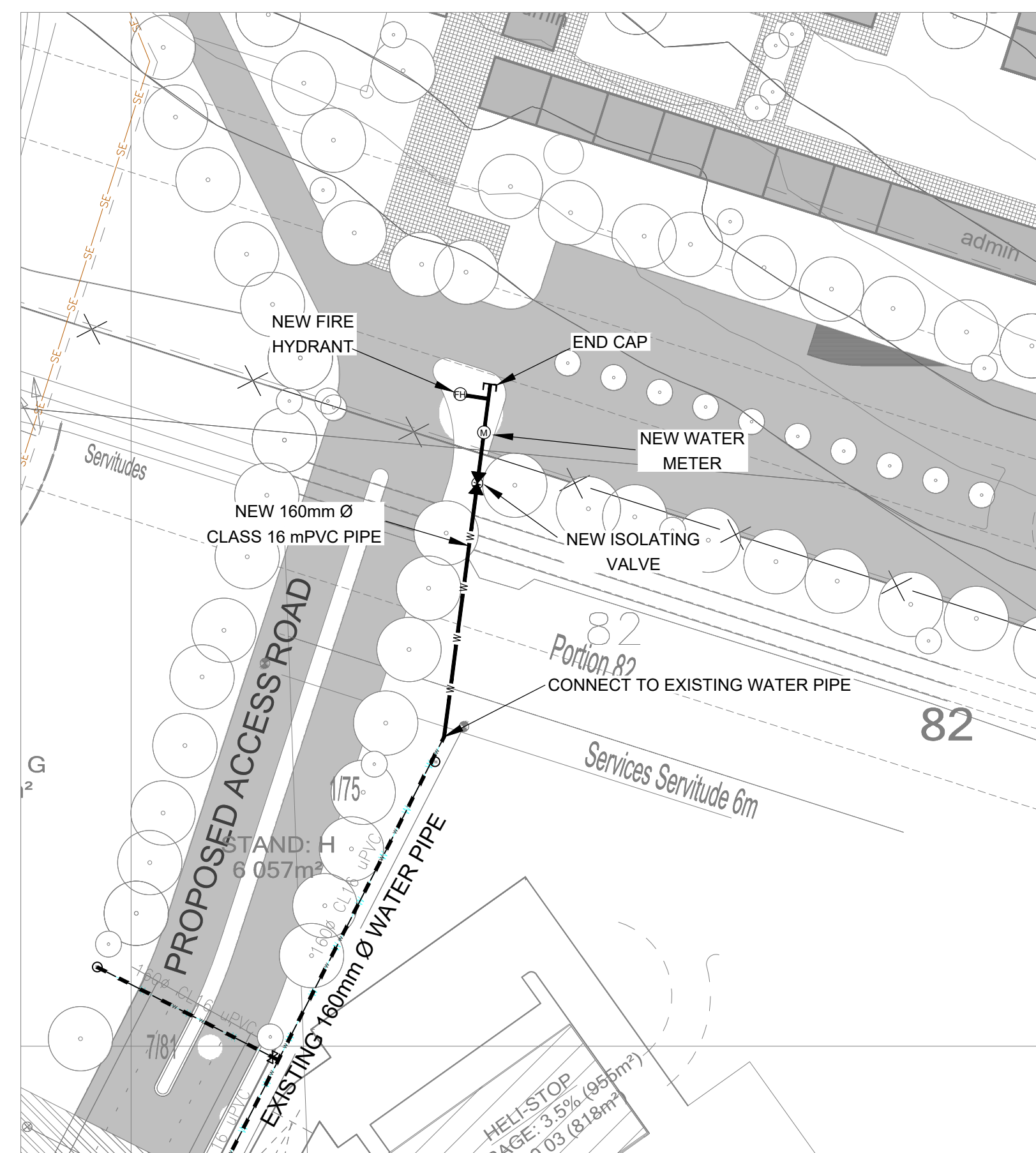


LEGEND

— W — W —	NEW 160mmØ CLASS 16 mPVC PIPE
⊙ FH	NEW FIRE HYDRANT
⊙ M	NEW WATER METER
⊗	NEW ISOLATING VALVE
— — — —	EXISTING WATER PIPE



AREA 1 - NEW WATER CONNECTION
SCALE 1 : 750

GENERAL NOTES

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 MAY BE COMMENCED.
2. ALL CONSTRUCTION WORK SHALL COMPLY WITH THE RELEVANT SANS 1200 SPECIFICATION AND JOHANNESBURG WATER (PTY) LTD SPECIFIC REQUIREMENTS.
3. ALL MATERIALS USED IN INSTALLING WATER AND SEWER MAINS SHALL COMPLY WITH THE RELEVANT SANS 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. NOTE THAT A MINIMUM OF 2 WEEKS NOTICE SHALL BE GIVEN TO JOHANNESBURG WATER (PTY) LTD STAFF TO ATTEND SITE INSPECTIONS, MEETING AND ANY OTHER NECESSARY ON SITE LIAISON.

SPECIFIC WATER REQUIREMENTS

6. FOR STANDARD DETAILS REFER TO JOHANNESBURG WATER STANDARD DRAWINGS.
7. PROTECTION OF FITTINGS AND MAINS;
8. STEEL MAINS: COPON LINED AND SUITABLY WRAPPED PER SPECIFICATION.
9. STEEL FITTINGS: COPON COATED INTERNALLY AND SUITABLY WRAPPED PER SPECIFICATION.
10. GALVANISED FITTINGS: SUITABLY WRAPPED PER SPECIFICATION.
11. ALL VALVE AND BELOW GROUND HYDRANT CHAMBERS TO BE WATERTIGHT.
12. POSITION OF ACROSS THE ROAD ERF CONNECTIONS TO BE MARKED BY A W CUT INTO THE KERBSTONE.
13. THE CONTRACTOR SHALL NOT OPERATE ANY WATER VALVE OR OTHER FITTINGS WITHOUT THE PERMISSION OF JOHANNESBURG WATER (PTY) LTD.
14. COVER TO WATER MAINS: THE DEPTHS LISTED ARE DEPTHS TO FINAL GROUND LEVEL **INCLUSIVE OF ANY LANDSCAPING** UNDERTAKEN ON THE SITE.

	MINIMUM (MM)	MAXIMUM (MM)
GRAVEL ROAD	1000	1500
ALL OTHER AREAS	800	1500

15. ALL WATER MAINS ARE TO BE INSTALLED AT 2 METERS FROM ERF BOUNDARIES UNLESS OTHERWISE SHOWN ON THE DRAWING.
16. ANY ANCHOR BLOCKS CONSTRUCTED ARE TO PROPERLY SHUTTERED AND CAST AGAINST UNDISTURBED GROUND. ANY OVER EXCAVATION IS TO BE FILLED WITH MASS CONCRETE.

CONSULTANT NOTES

17. THE WIDTH OF THE TRENCH EXCAVATION SHOULD BE KEPT TO A MINIMUM, ALLOWING JUST SUFFICIENT WORKING AREA FOR JOINTING AND INITIAL COMPACTION AROUND THE PIPE.
18. FOR MOST PURPOSES, A TRENCH 300MM WIDER THAN THE DIAMETER OF THE PIPE ALLOWS ENOUGH ROOM FOR JOINTING.
19. IT IS IMPORTANT THAT THE TRENCH IS NOT EXCAVATED TOO FAR IN ADVANCE OF THE PIPE LAYING OPERATION.
20. THE TRENCH BED MUST BE FREE FROM ALL STONES OR SHARP PROJECTIONS WHICH ARE LIKELY TO CAUSE DAMAGE TO THE PIPE.
21. THE BOTTOM OF THE TRENCH SHOULD BE BACKFILLED TO A DEPTH OF 100MM, WITH SELECTED BEDDING MATERIAL SUCH AS FREE.
22. DRAINING COARSE SAND, GRAVEL OR SOIL OF A FRIABLE NATURE.
23. THE SIZE OF SOIL PARTICLES IN THE BEDDING MATERIAL SHOULD NOT EXCEED 20mm.
24. THE BEDDING ONTO WHICH THE PIPE IS LAID, SHOULD BE THOROUGHLY COMPACTED TO 90% MOD AASHTO DENSITY.
25. REFERENCE SHOULD BE MADE TO SANS 1200 FOR BEDDING SPECIFICATIONS.
26. IT IS ESSENTIAL THAT EACH LENGTH OF PIPE IS BACKFILLED IMMEDIATELY AFTER INSTALLATION IN ORDER TO CONTAIN EXPANSION AND CONTRACTION THAT MAY OCCUR IN AN OPEN TRENCH.
27. ALL JOINTS MUST BE LEFT EXPOSED AT THIS STAGE.
28. SELECTED BACKFILL MATERIAL SHOULD BE PLACED IN CONSECUTIVE EVEN LAYERS OF 150MM IN DEPTH OVER THE ENTIRE WIDTH OF THE TRENCH TO A HEIGHT OF 300MM ABOVE THE CROWN OF THE PIPE.
29. ALL LAYERS MUST BE FIRMLY TAMPED BY HAND.
30. THE REMAINDER OF THE TRENCH SHOULD BE FILLED IN LAYERS OF 300mm IN DEPTH AND WITH ROAD LAYERWORKS ON ROAD WAYS.
31. EACH LAYER MUST BE FIRMLY COMPACTED, THE FIRST LAYER BY HAND AND SUBSEQUENT LAYERS BY MECHANICAL MEANS IF NEEDED.
32. ALL NEW PIPES TO BE mPVC CLASS 16 HIGH IMPACT PIPE WITH VICTUALIC COUPLINGS.
33. ALL EXISTING SERVICES TO BE LOCATED PRIOR TO INSTALLATION OF NEW SERVICES.

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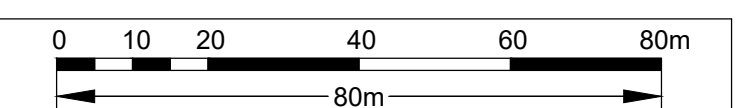
DESIGNED BY:	B. DENYSSCHEN
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**RIVERVIEW EXT 84
NEW WATER CONNECTION
LAYOUT PLAN**

AMENDMENTS				
SCALE	REV.	DESCRIPTION	APPROVED	DATE
AS SHOWN	A	ISSUED FOR INFORMATION	A COMLEY	2020/08/03



AS SHOWN

1754/84/500W PROJECT No.
A REV.
A1 SHEET 1 OF 1
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