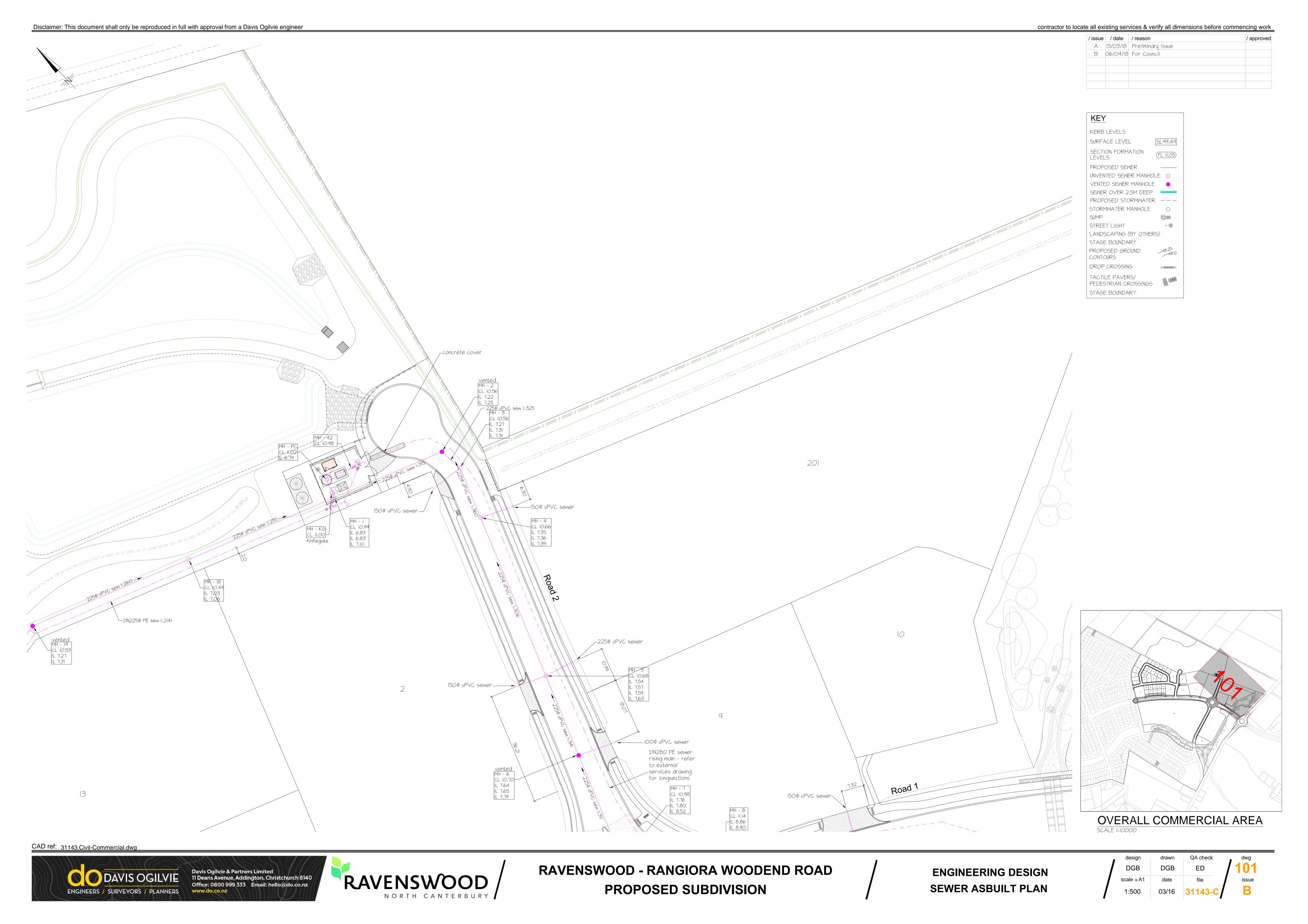
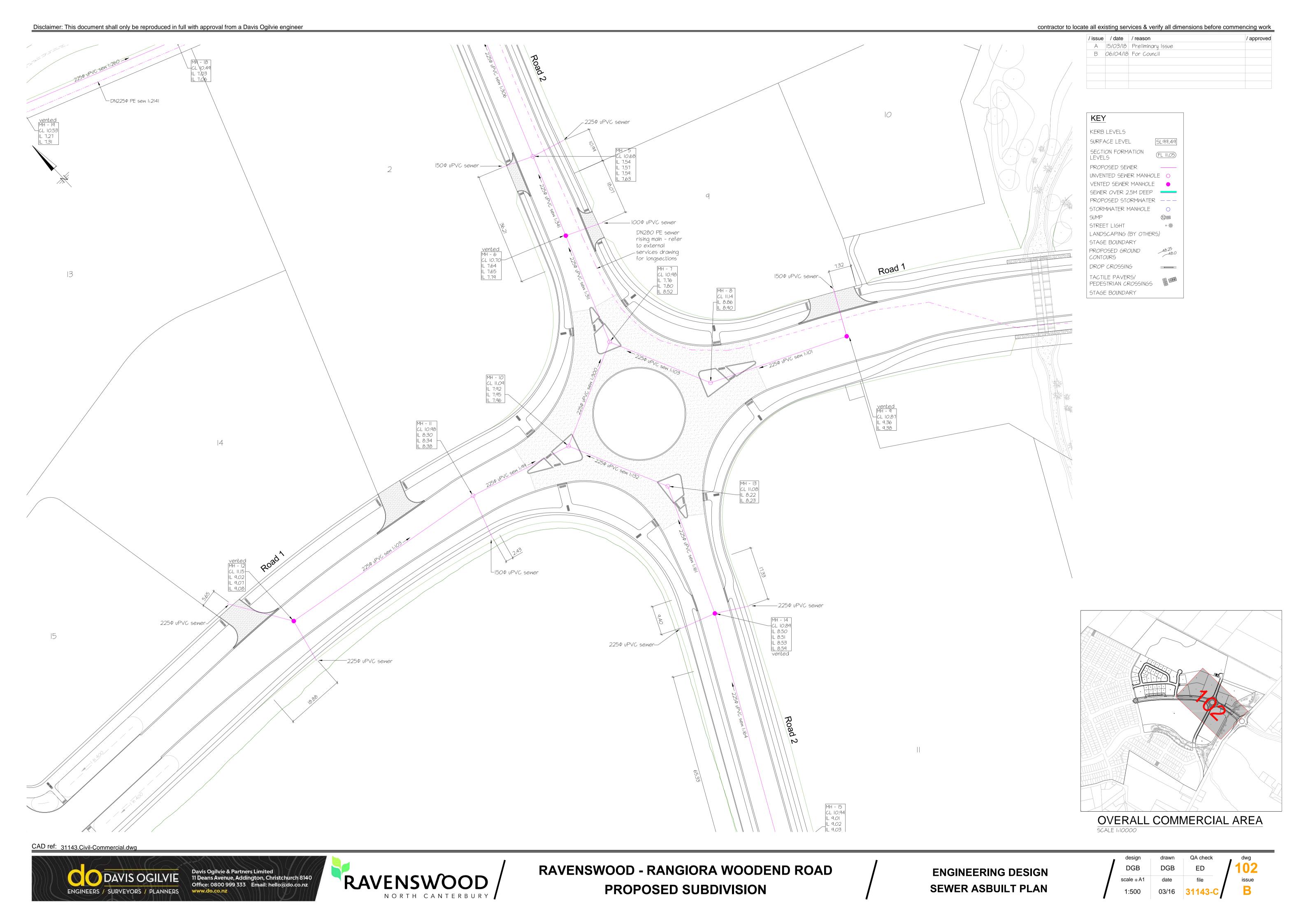
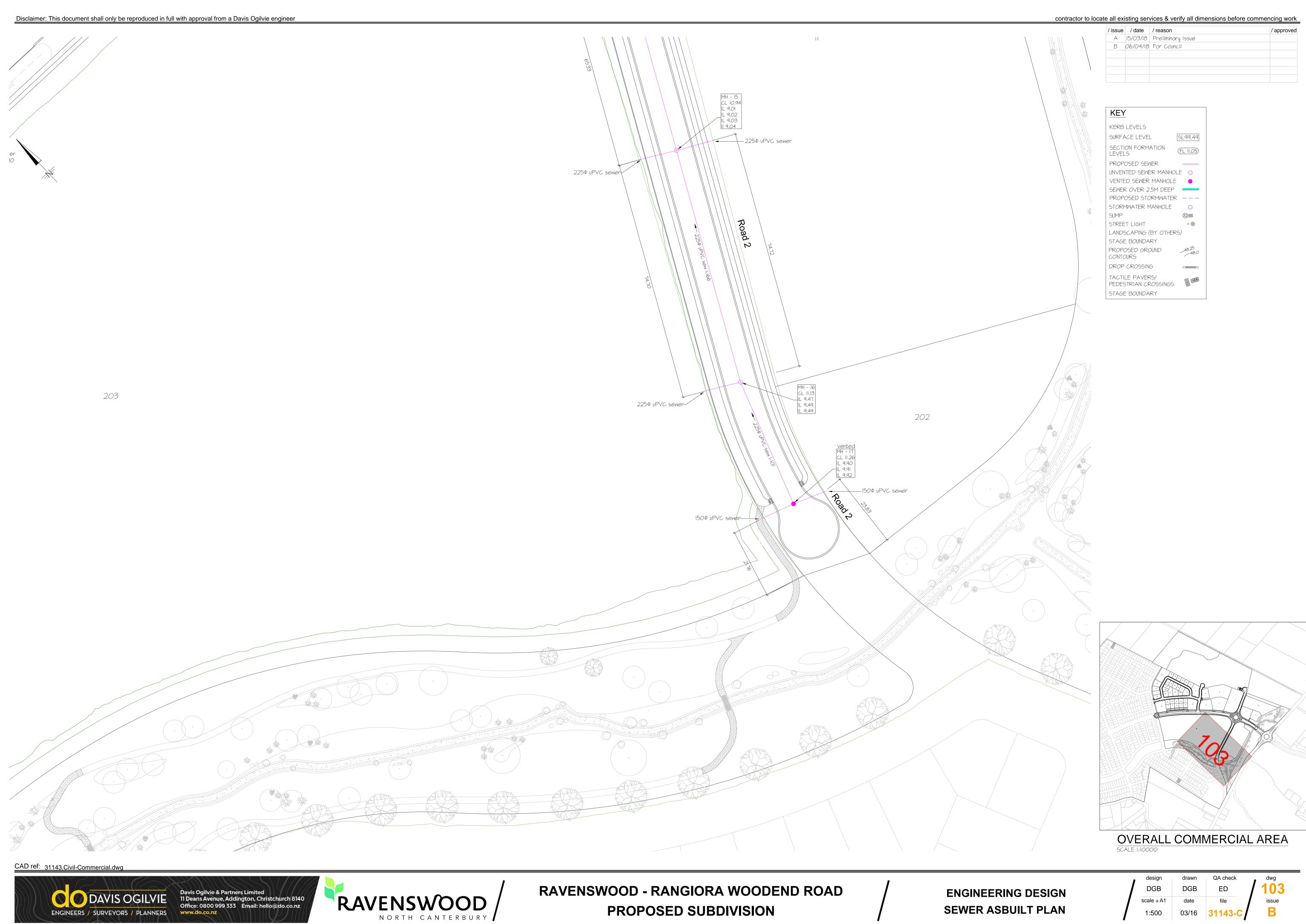
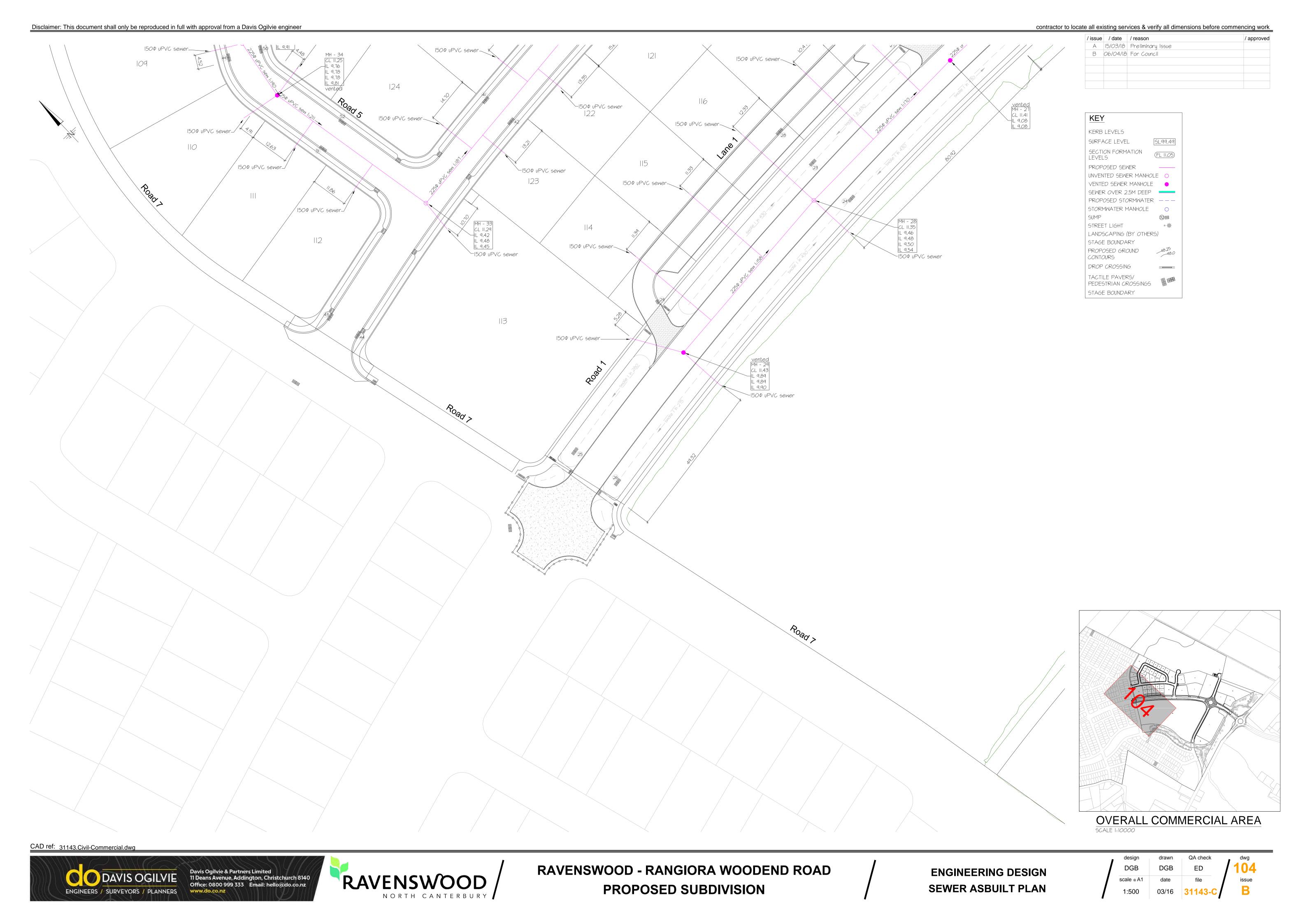
APPENDIX 1

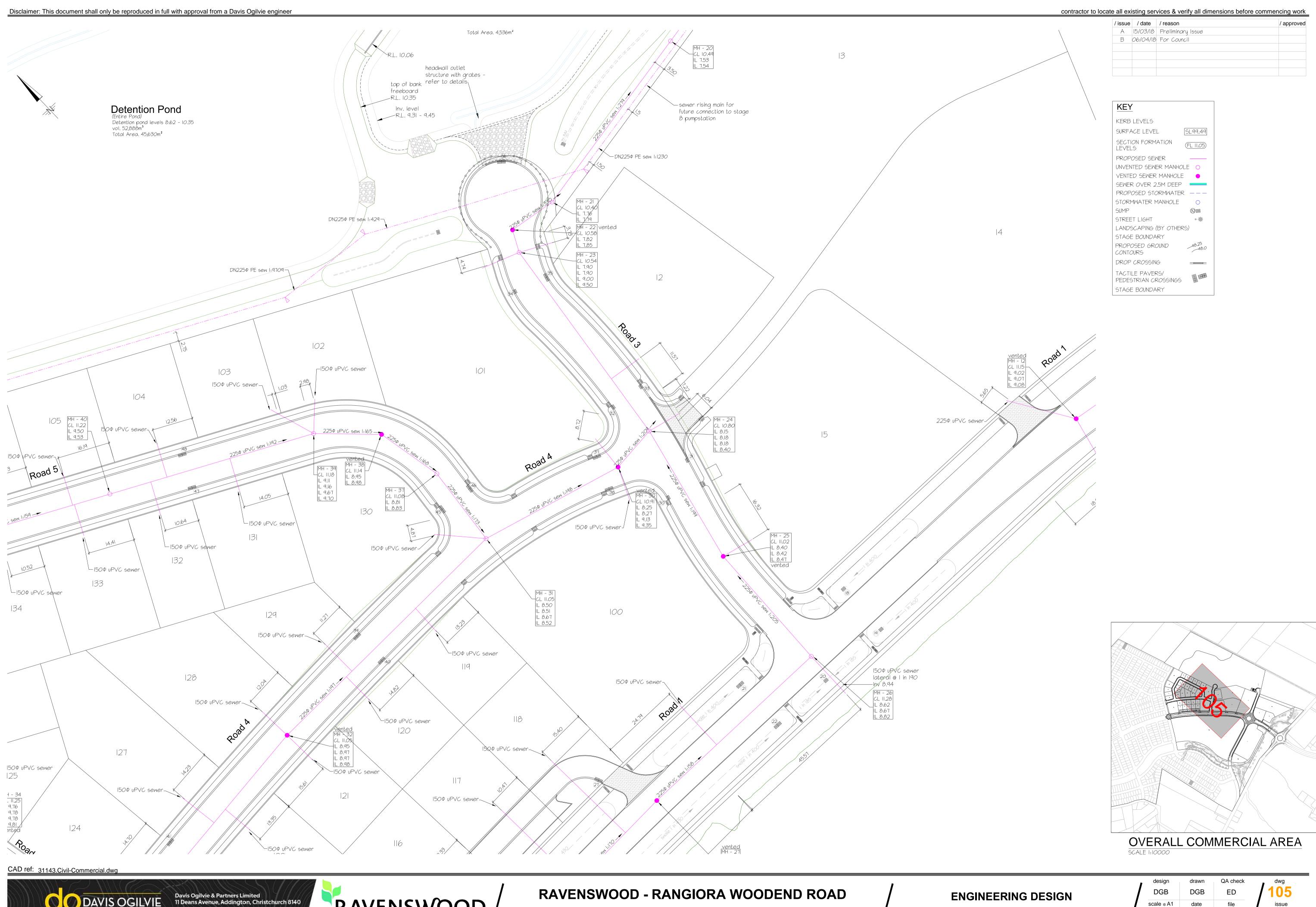
Engineering Design Asbuilt Plans

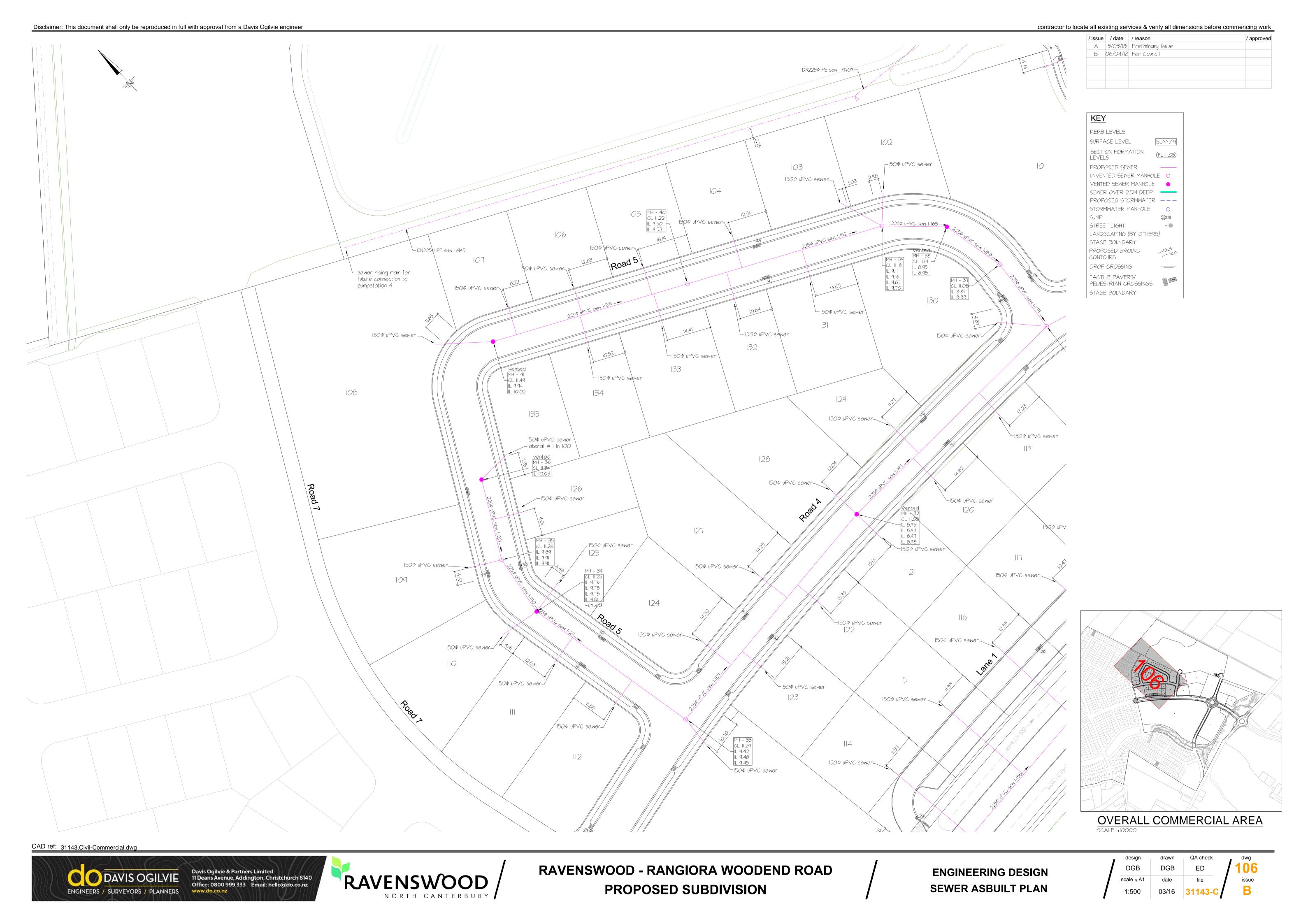


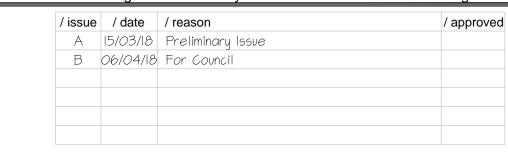


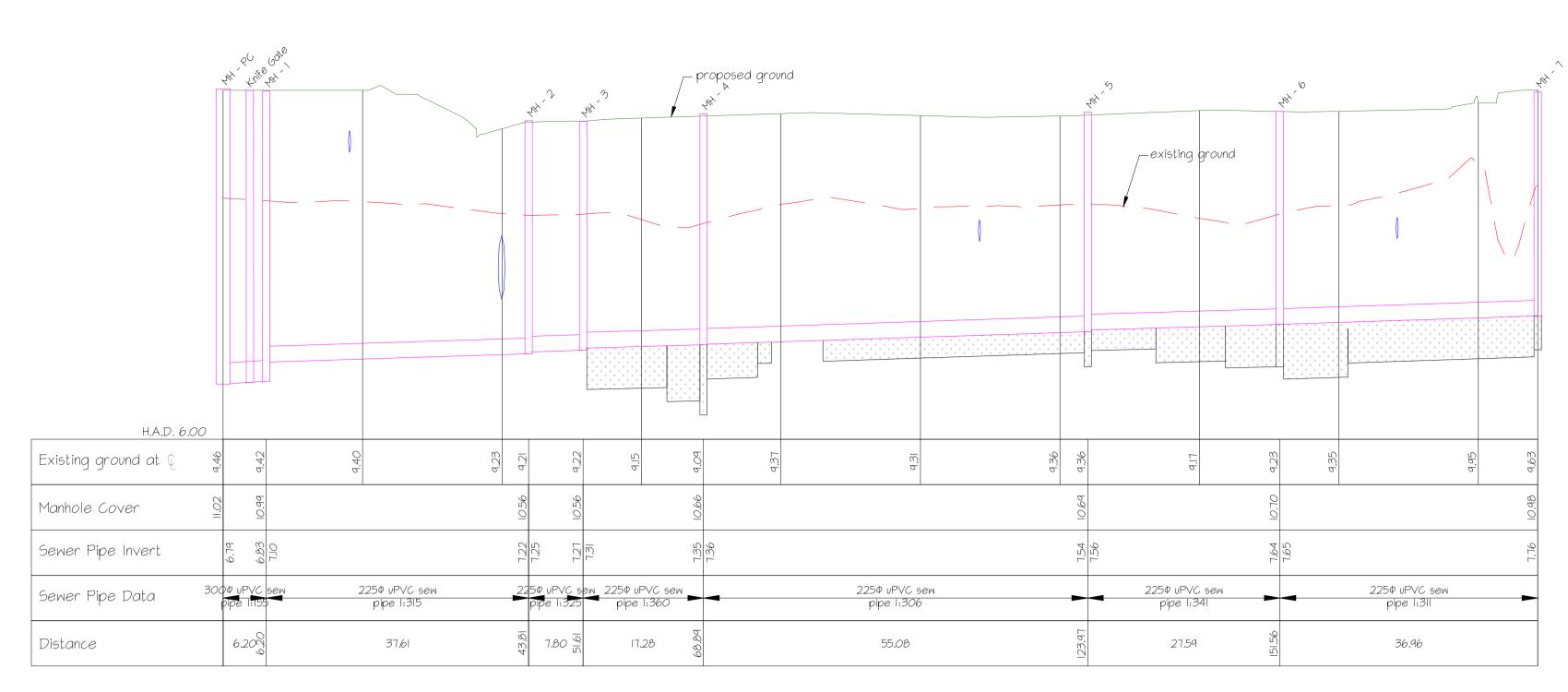








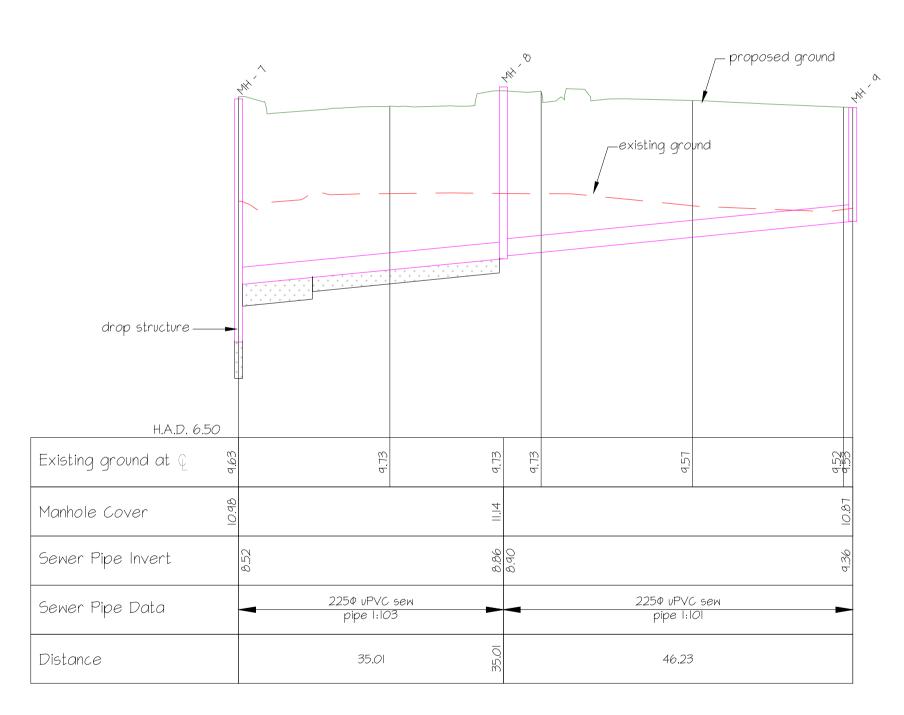




SEWER LONG SECTION - MH 1 to MH 7

SCALE 1:500 horiz
SCALE 1:50 vert

All sewer pipes to be SNI6

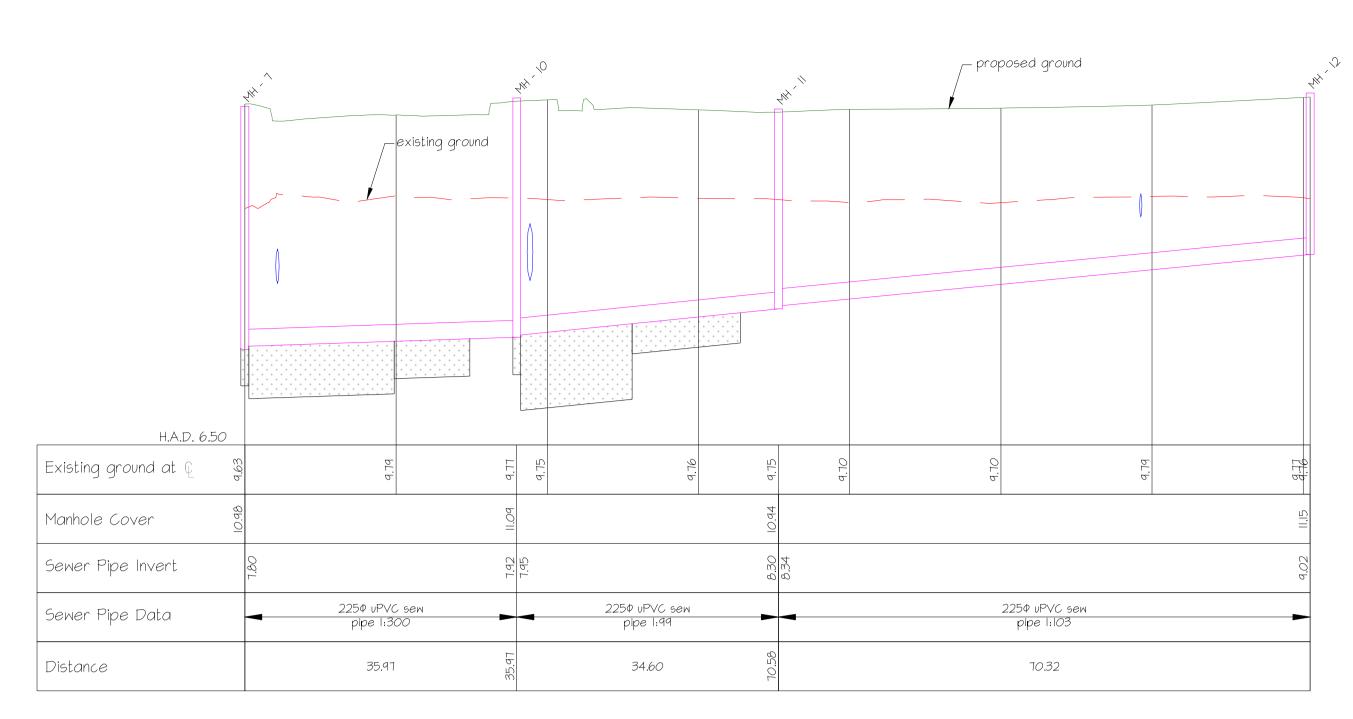


SEWER LONG SECTION - MH 7 to MH 9

SCALE 1:500 horiz
SCALE 1:50 vert

All sewer pipes to be SNI6

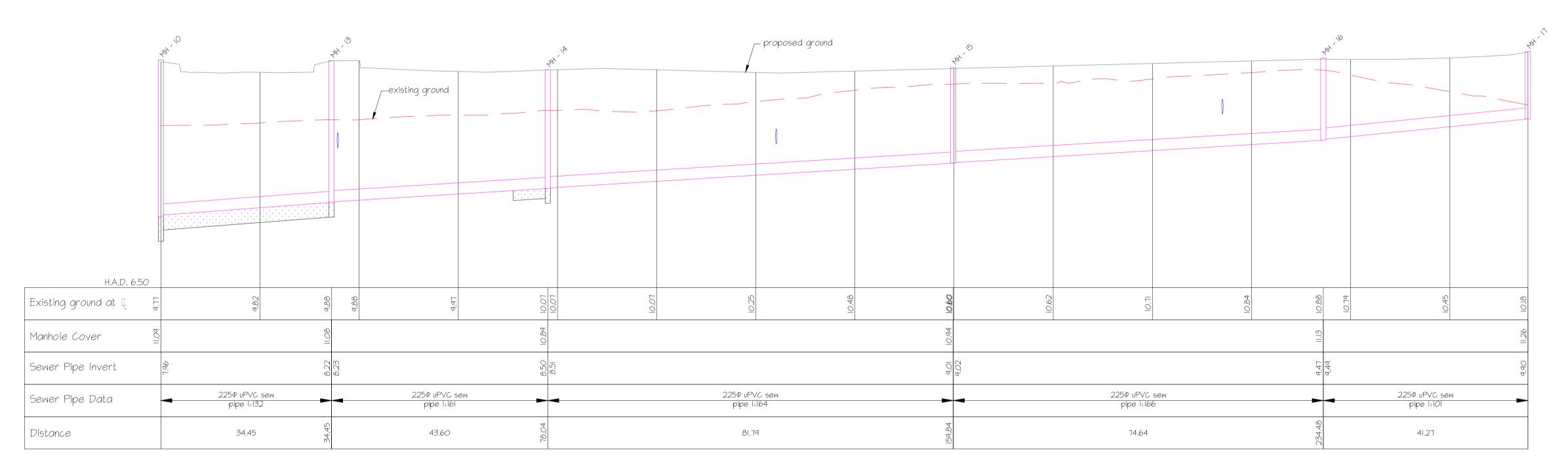
o an ox	ioung con	vices a verily all alliferiores service commen	ionig wor
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В	06/04/18	For Council	



SEWER LONG SECTION - MH 7 to MH 12

SCALE 1:500 horiz

All sewer pipes to be SNI6

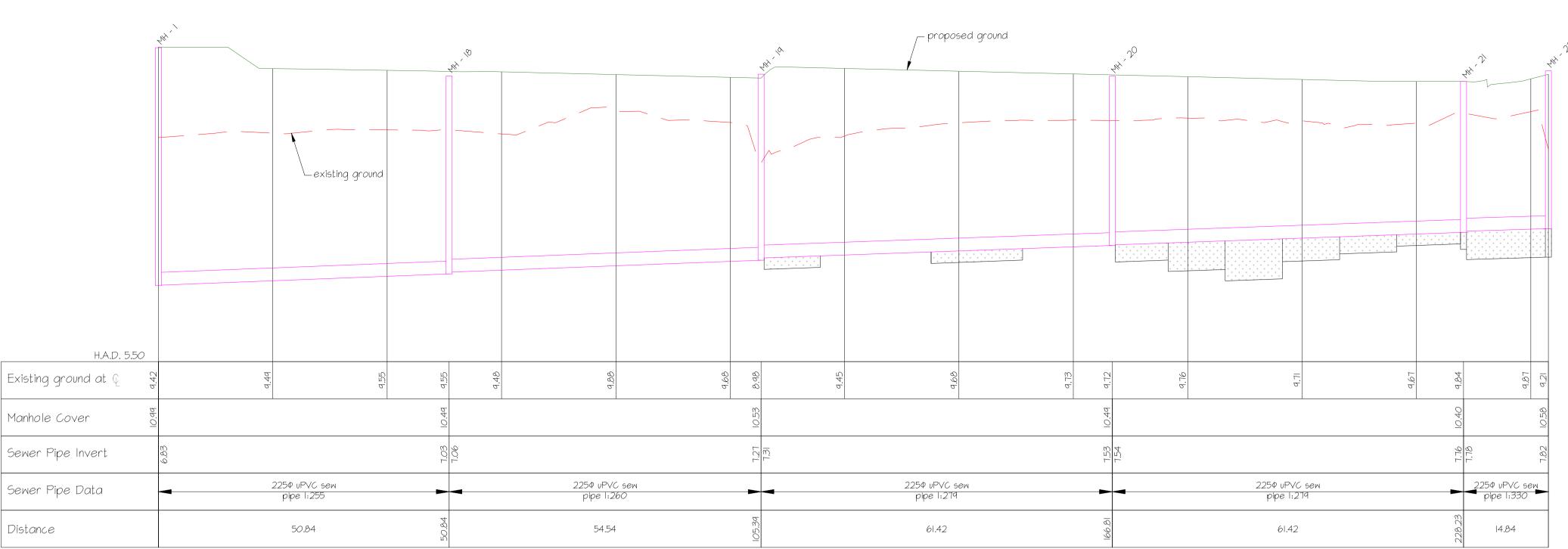


SEWER LONG SECTION - MH 10 to MH 17

SCALE I:500 horiz
SCALE I:50 vert

All sewer pipes to be SNI6





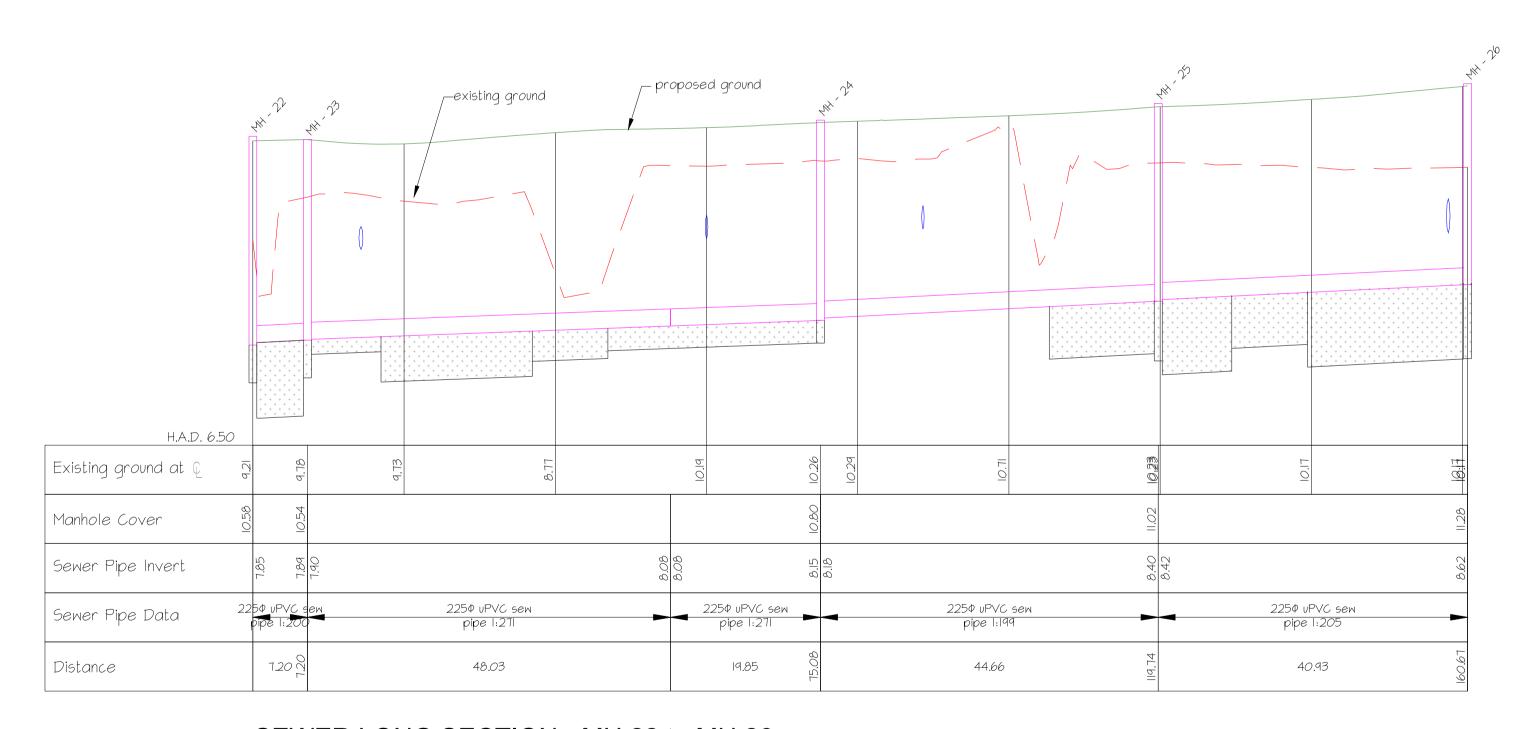
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SEWER LONG SECTION - MH 2 to MH 22

SCALE 1:500 hori.

All sewer pipes to be SN16



SEWER LONG SECTION - MH 22 to MH 26

Davis Ogilvie & Partners Limited 11 Deans Avenue, Addington, Christchurch 8140 Office: 0800 999 333 Email: hello@do.co.nz

SCALE 1:500 horiz SCALE 1:50 vert All sewer pipes to be SN16

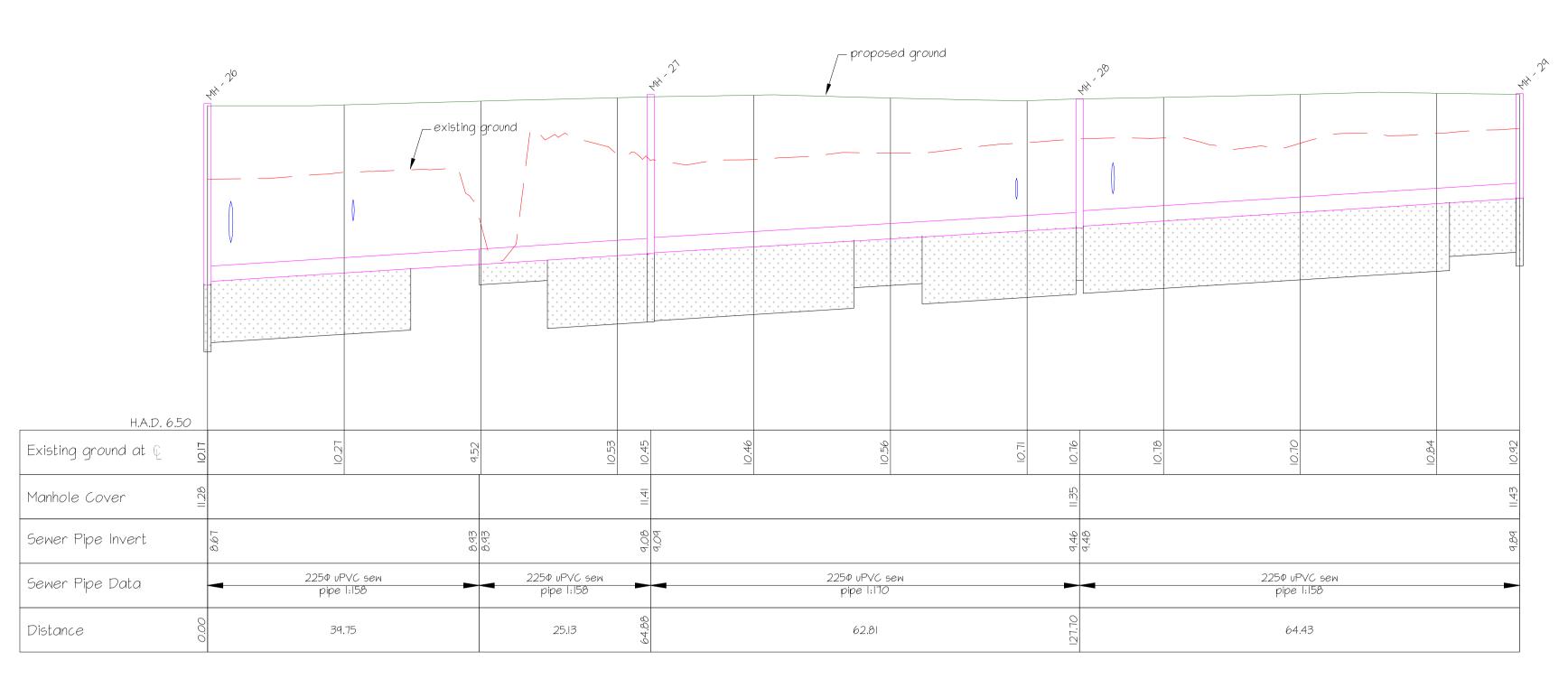
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RAVENSWOOD NORTH CANTERBURY

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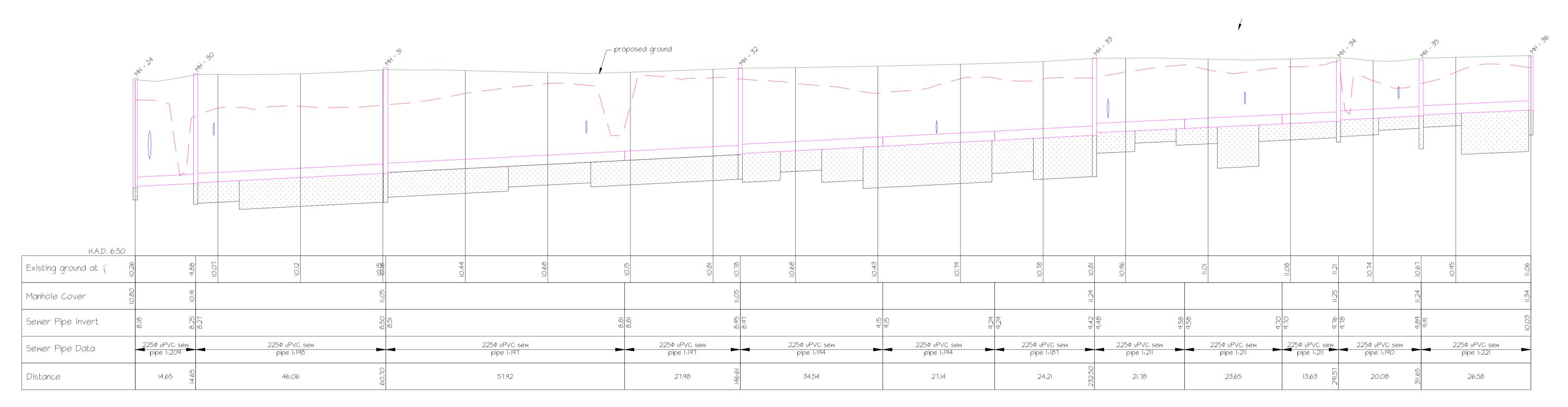
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SEWER LONG SECTION - MH 26 to MH 29

SCALE 1:500 horiz

All sewer pipes to be SN16



SEWER LONG SECTION - MH 23 to MH 36

SCALE 1:500 horiz

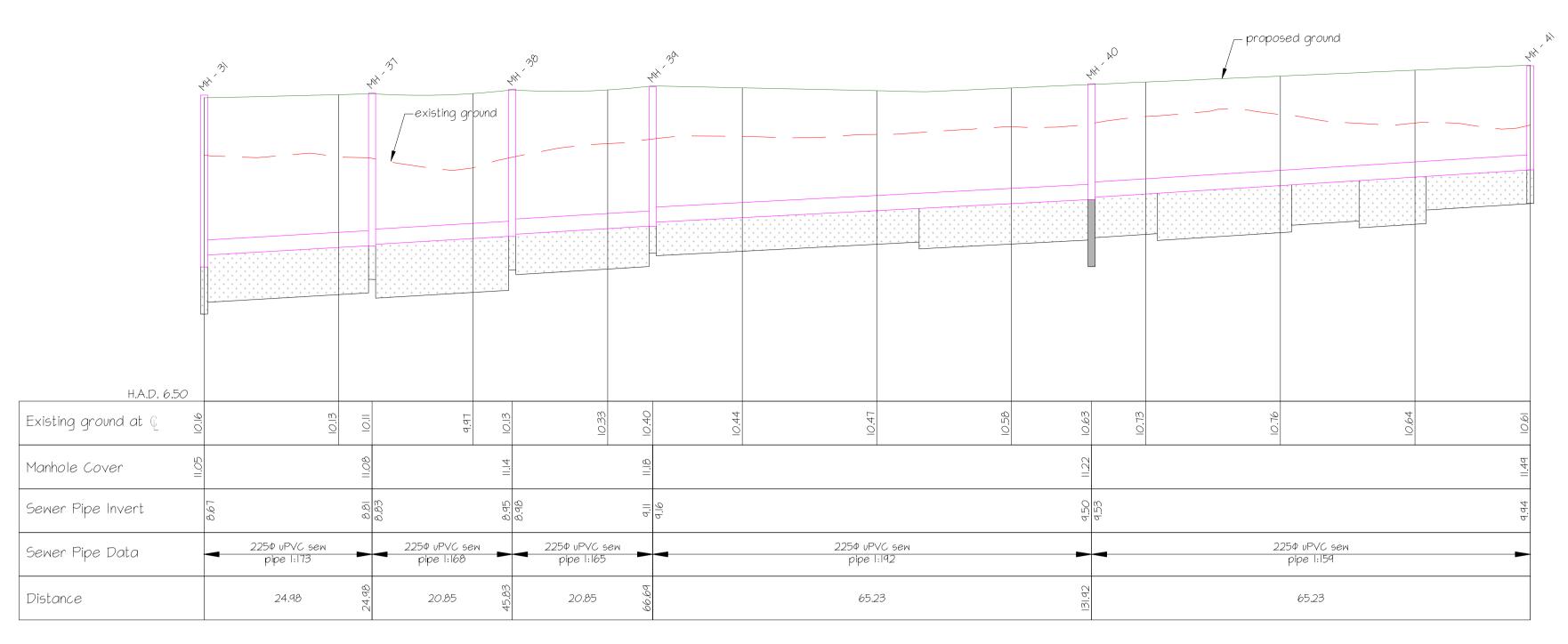
All sewer pipes to be SNI6





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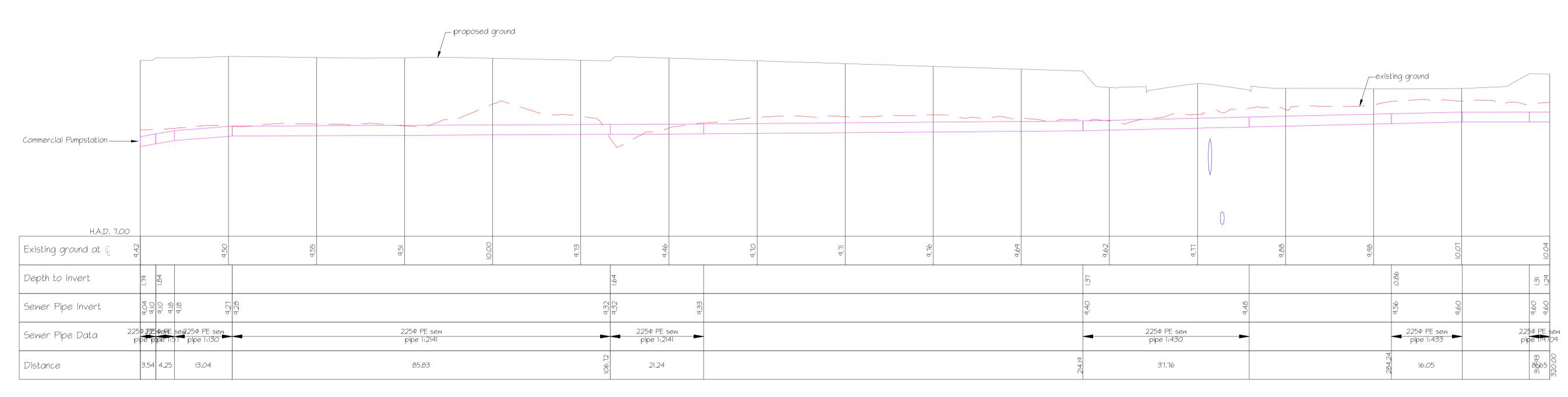


SEWER LONG SECTION - MH 31 to MH 41

SCALE 1:500 horiz

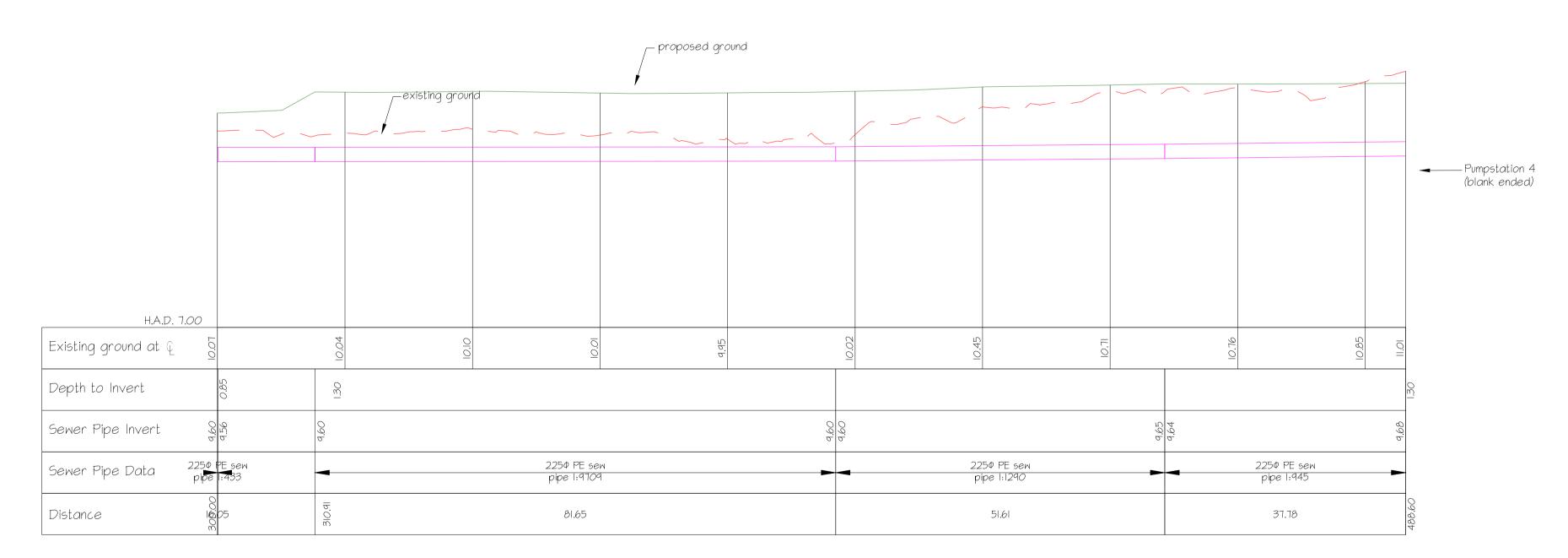
All sewer pipes to be SNI6

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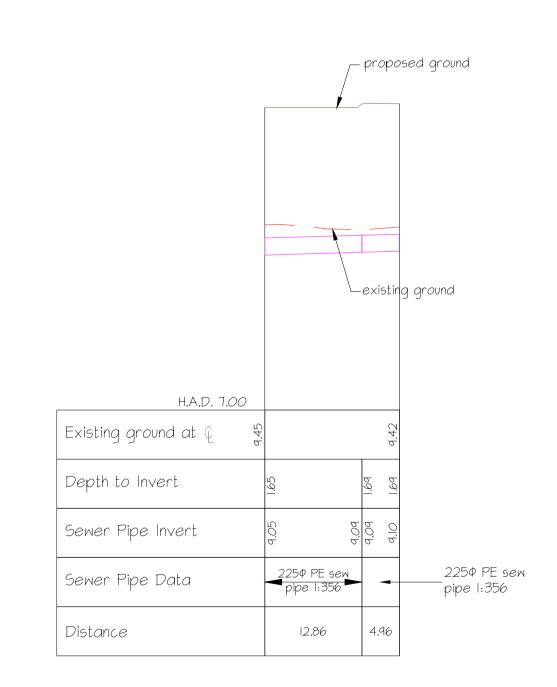


SEWER RISING MAIN LONG SECTION - FUTURE PS TO NEW PS

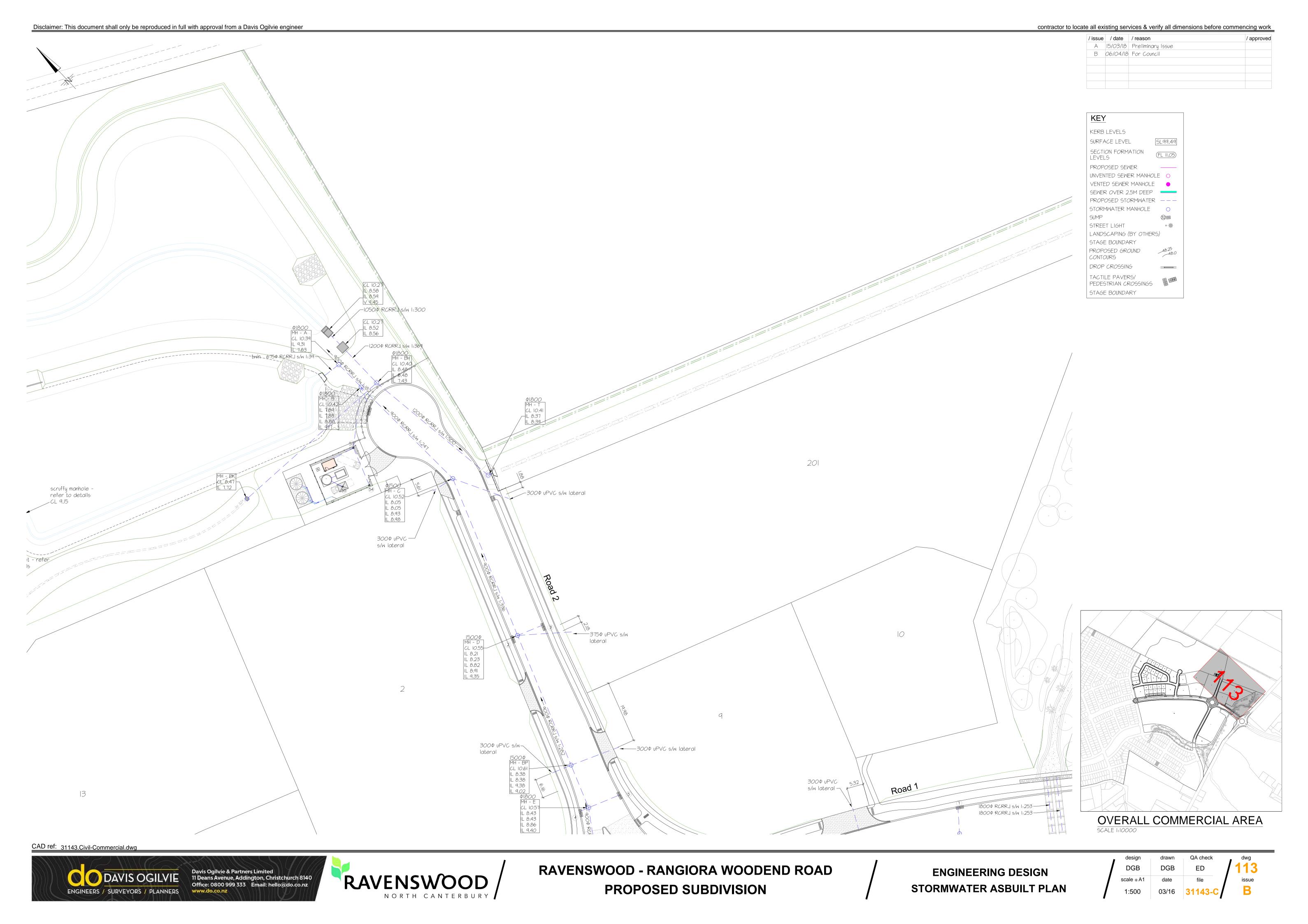
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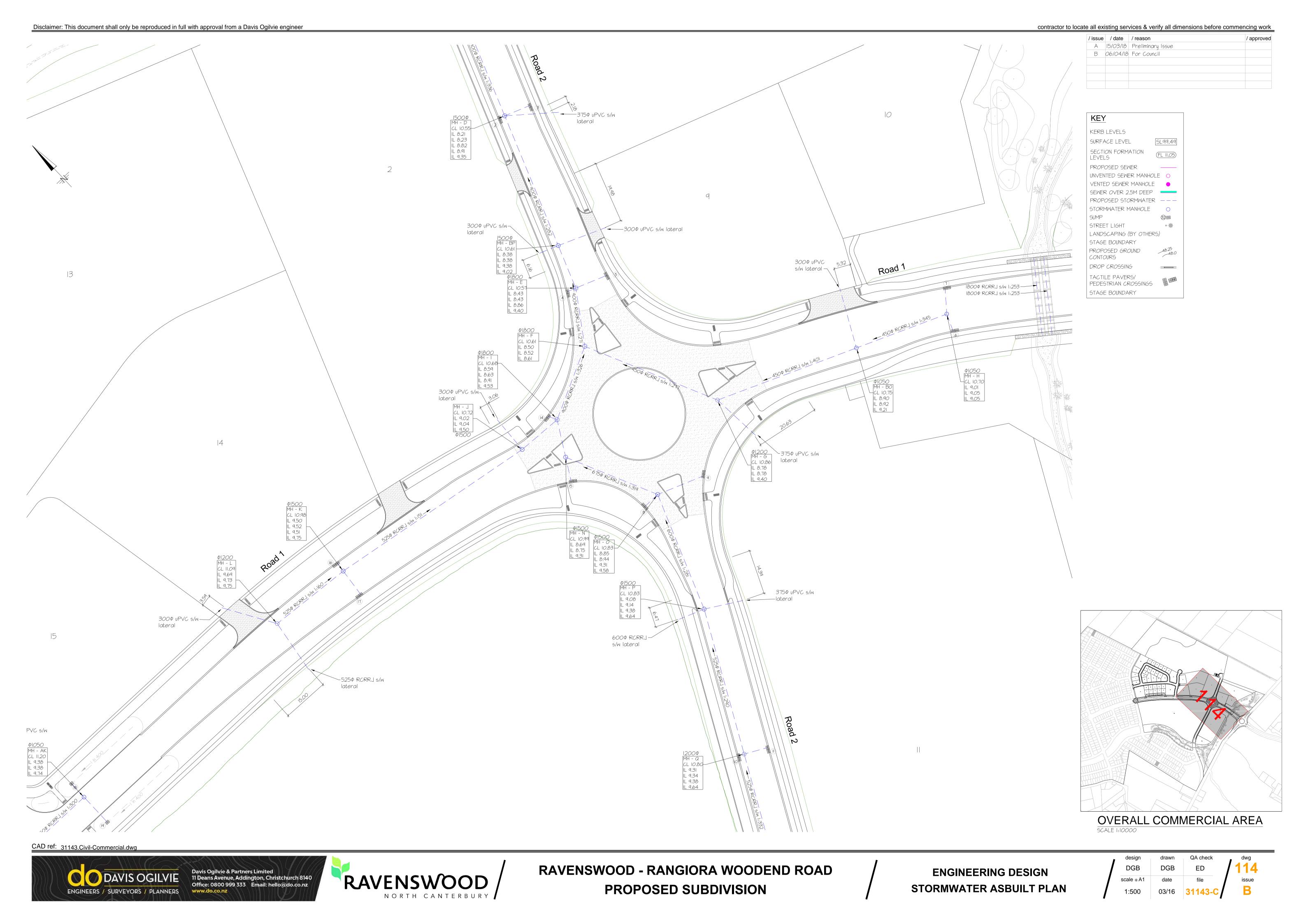


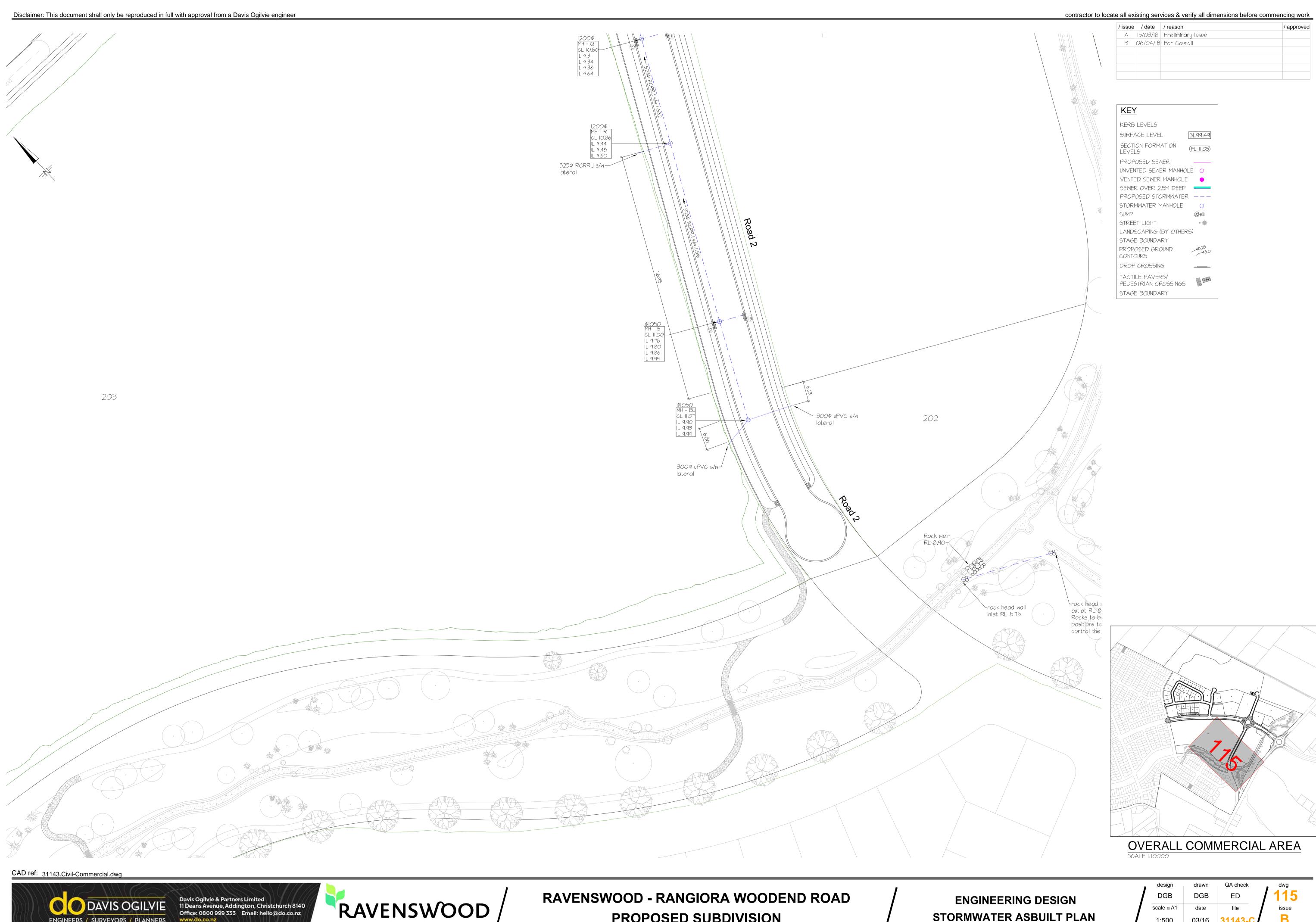
SEWER RISING MAIN LONG SECTION - FUTURE PS TO NEW PS - Continued

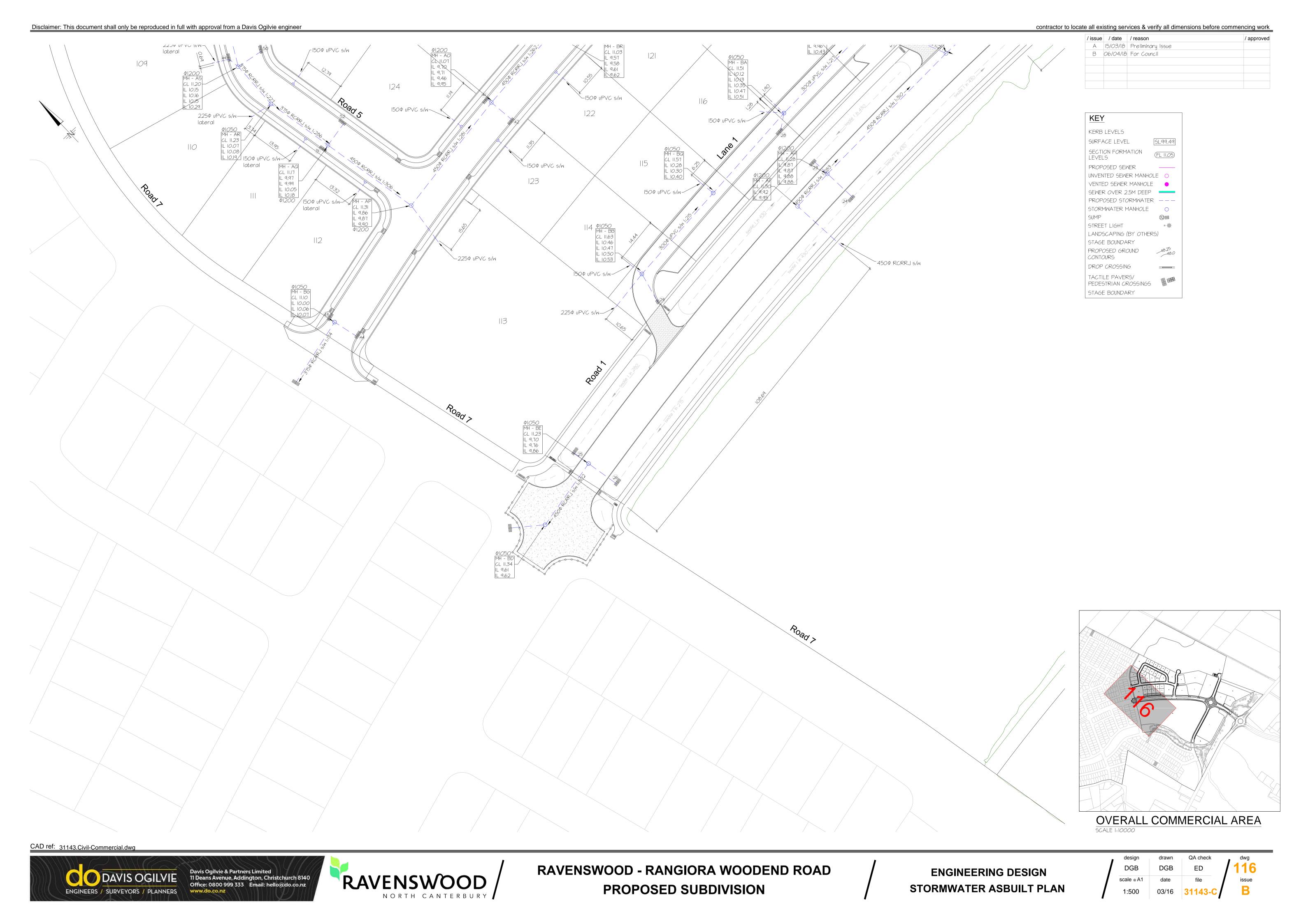


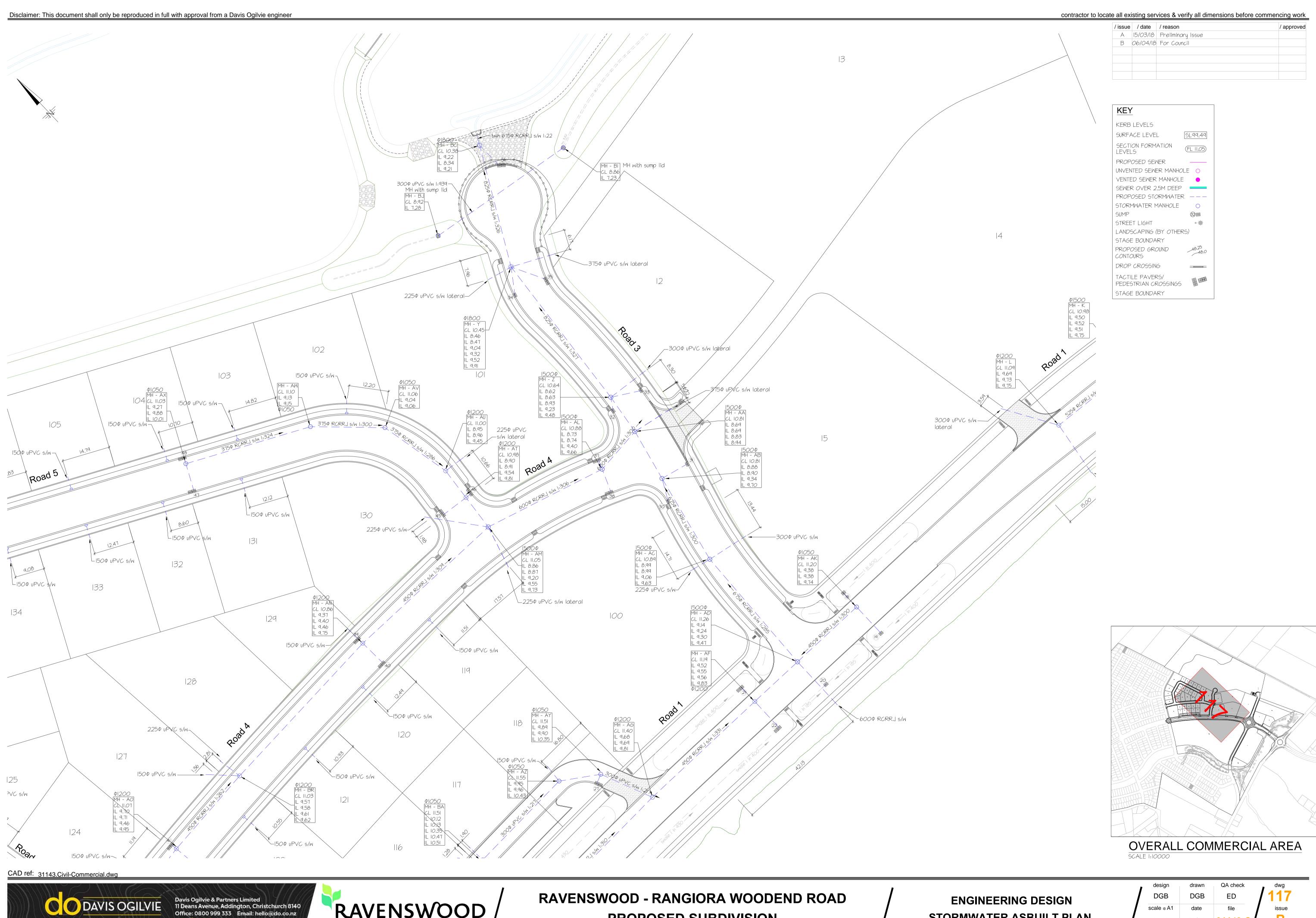
SEWER RISING MAIN LONG SECTION - BYPASS



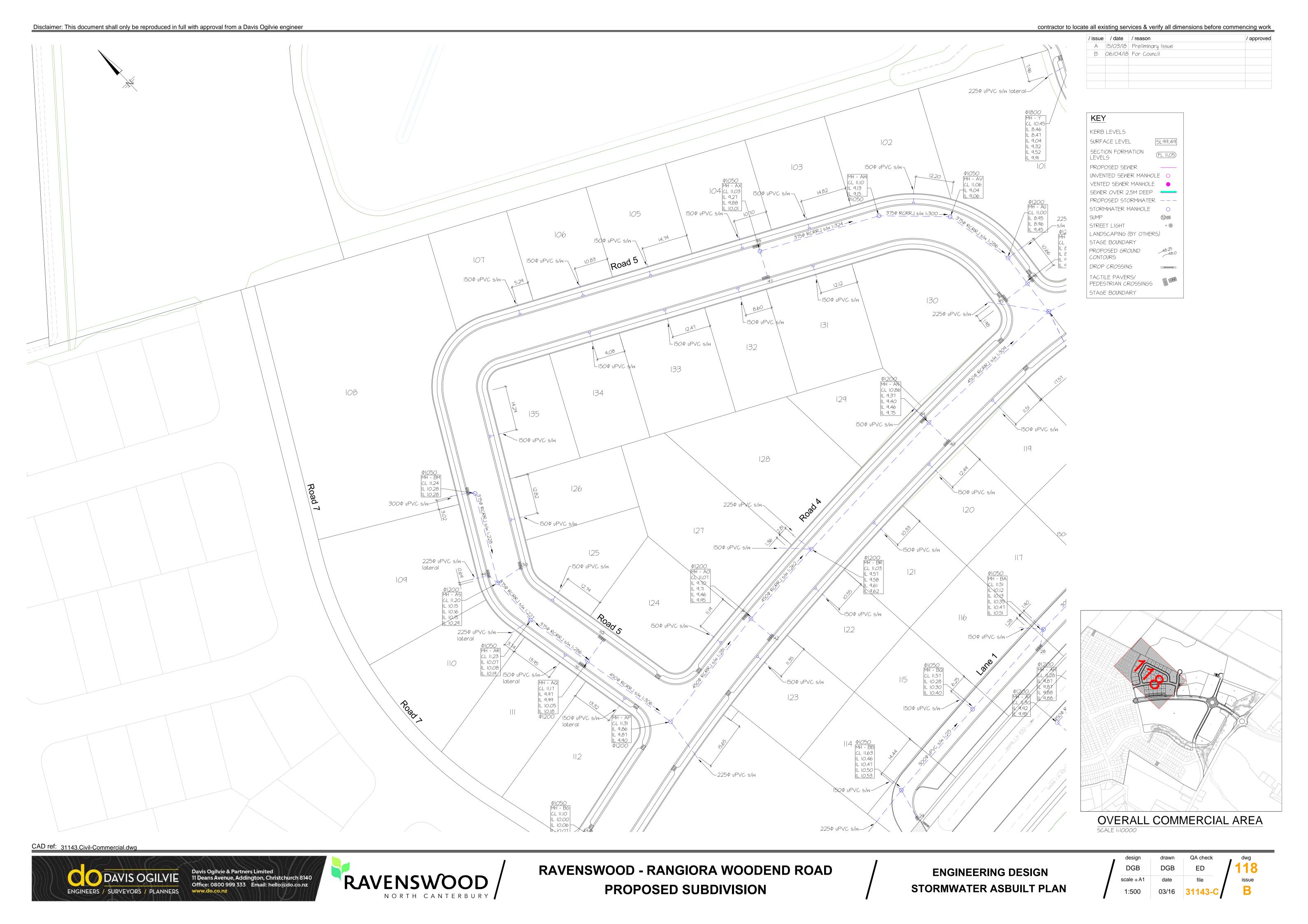




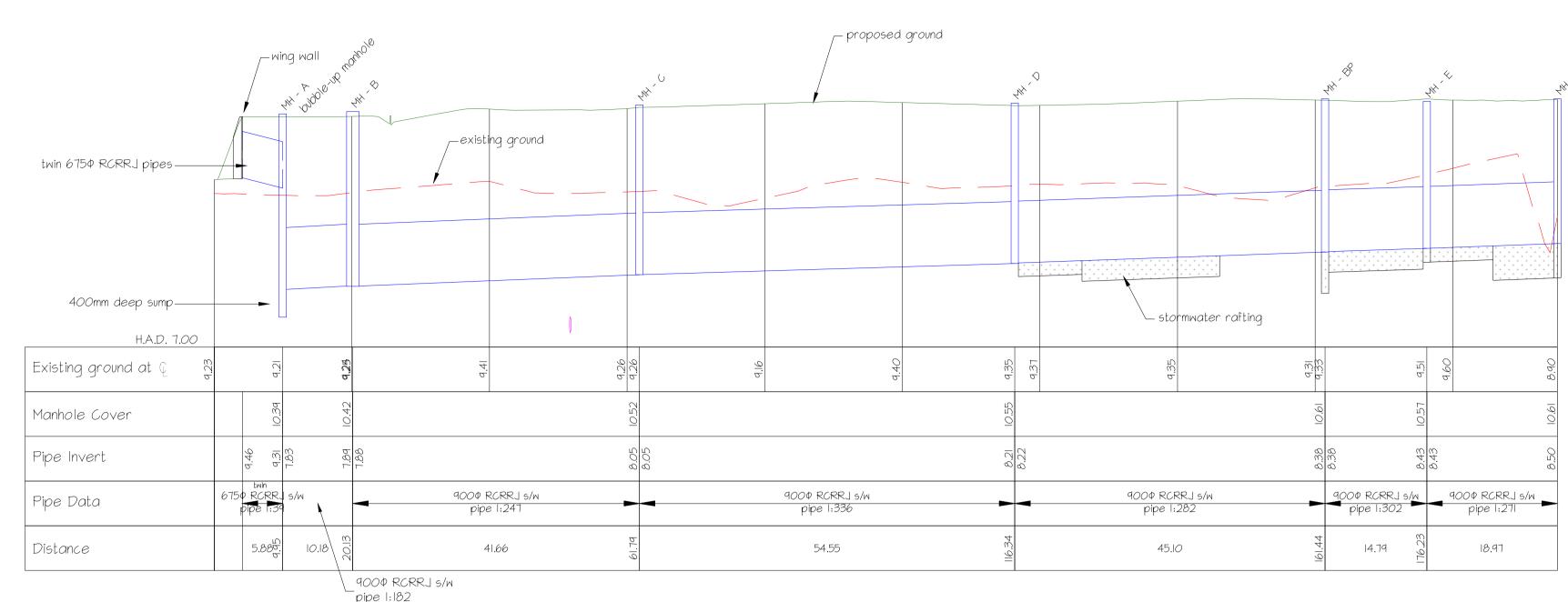




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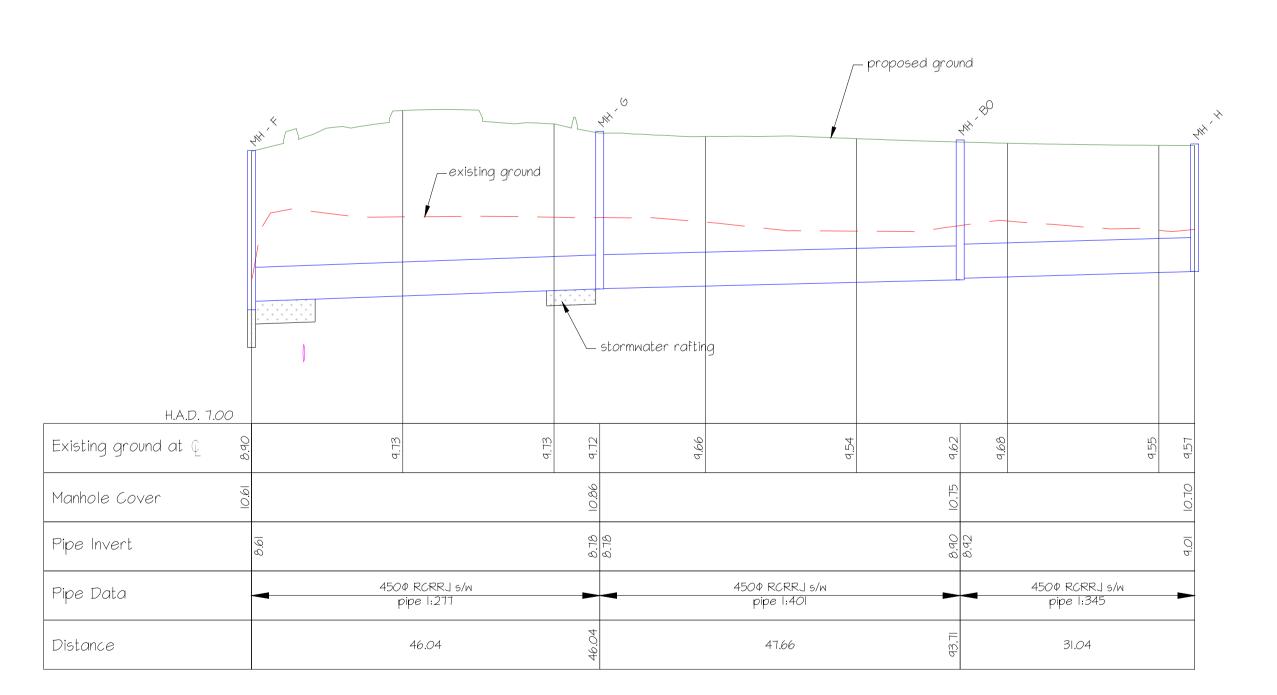


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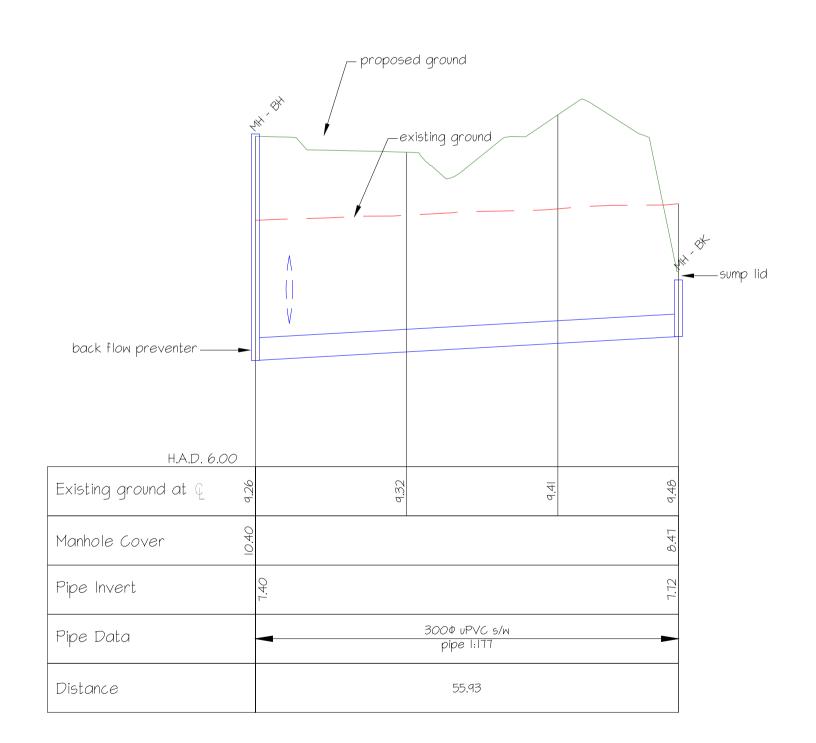


STORMWATER LONG SECTION - INLET to MH F

SCALE 1:500 horiz
SCALE 1:50 vert

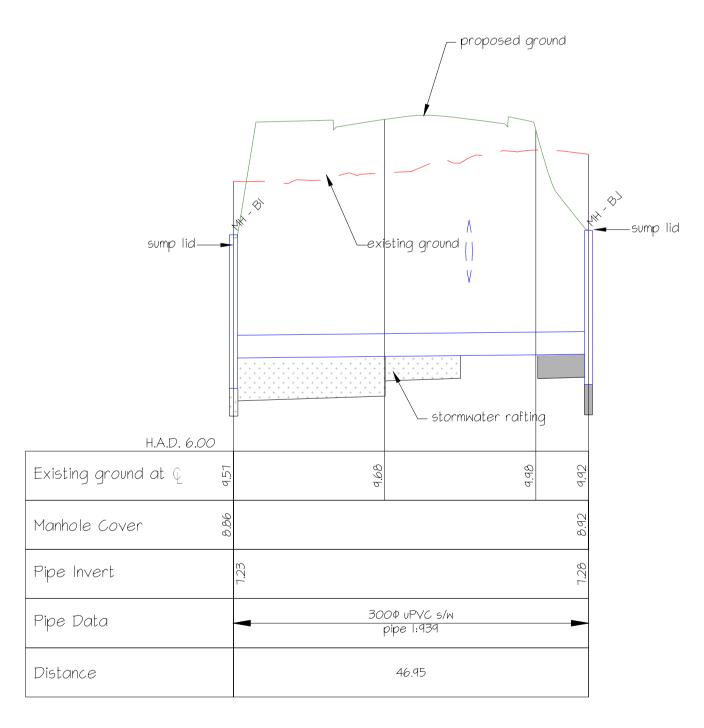


STORMWATER LONG SECTION - MH F to MH H



STORMWATER LONG SECTION - MH BH to MH BK

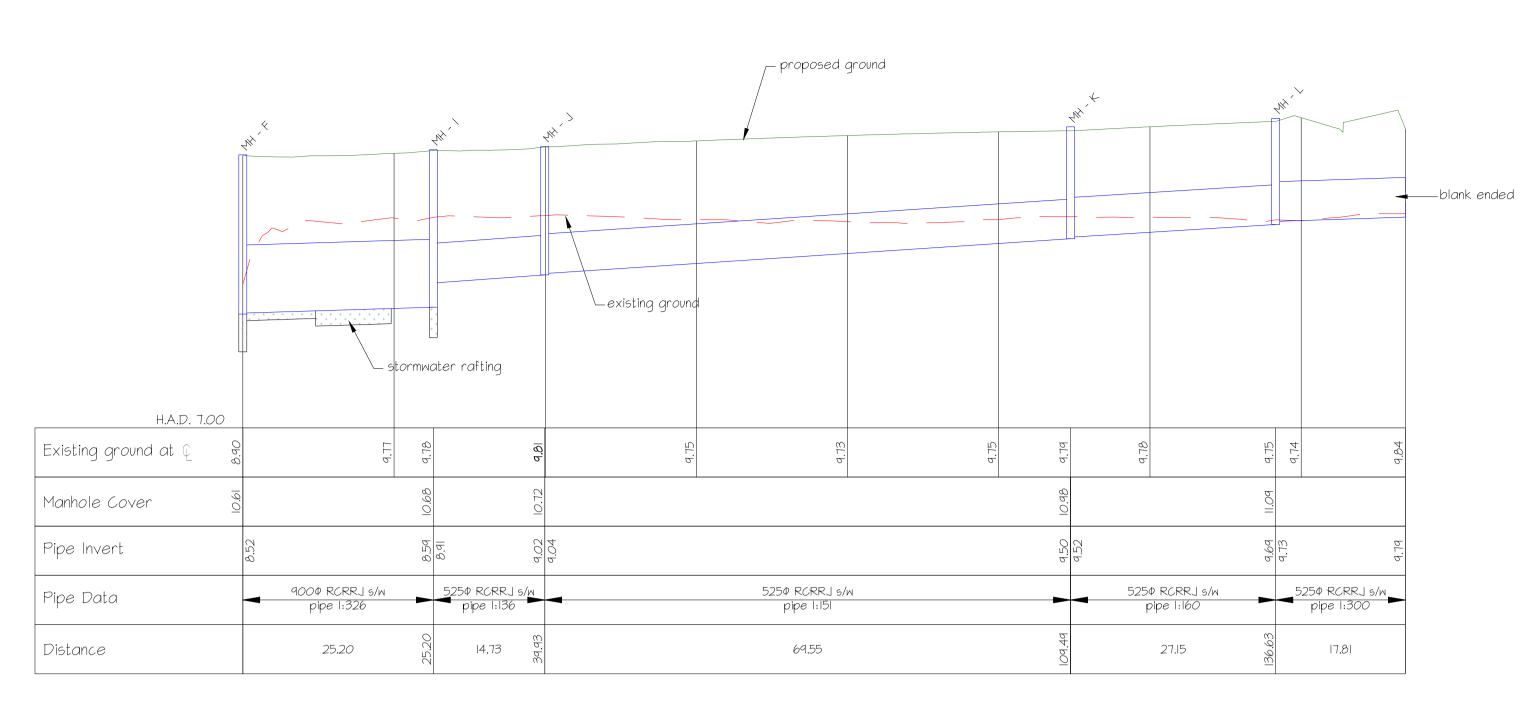
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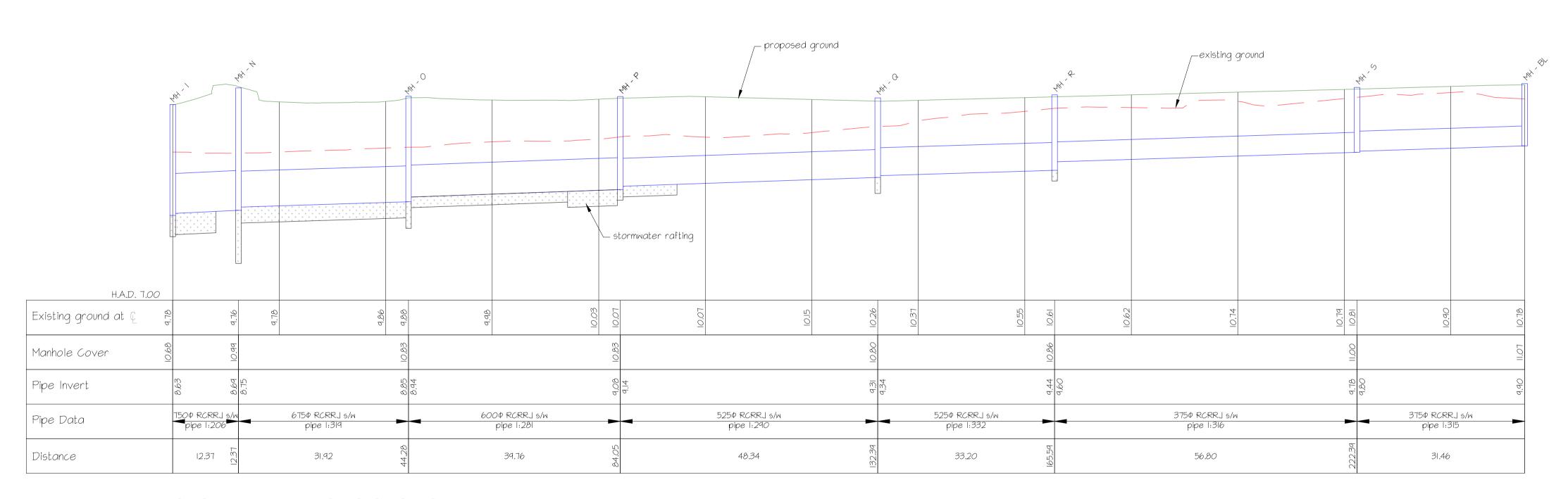
STORMWATER LONG SECTION - MH BI to MH BJ SCALE 1:500 horiz



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В	06/04/18	For Council	



STORMWATER LONG SECTION - MH F to MH M



STORMWATER LONG SECTION - MH I to MH BL SCALE I:500 horiz SCALE I:50 vert

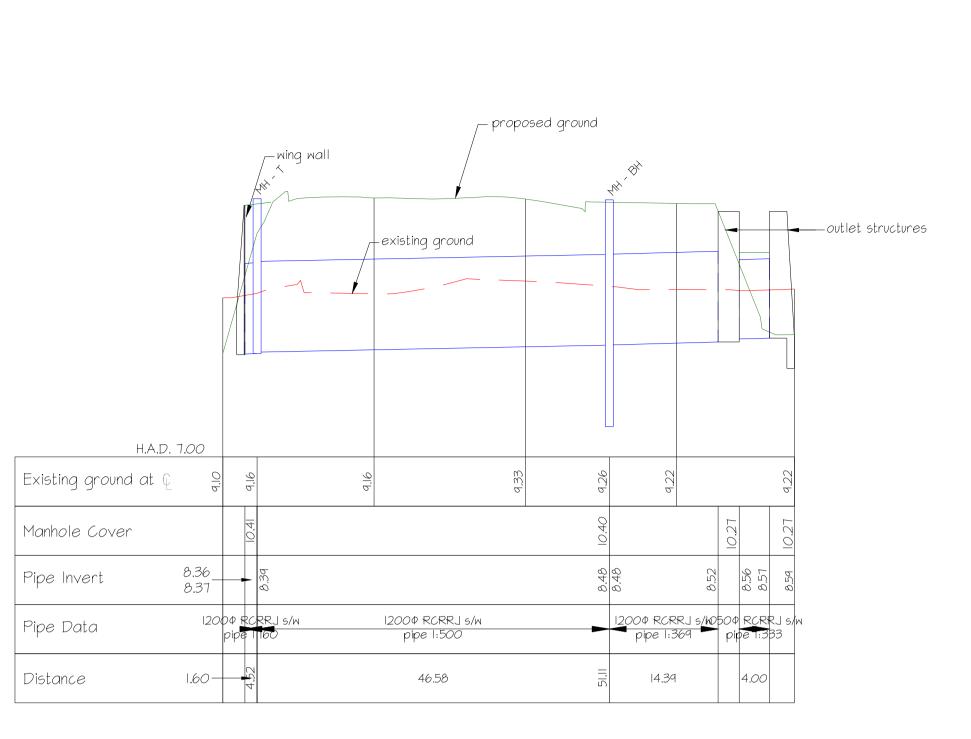


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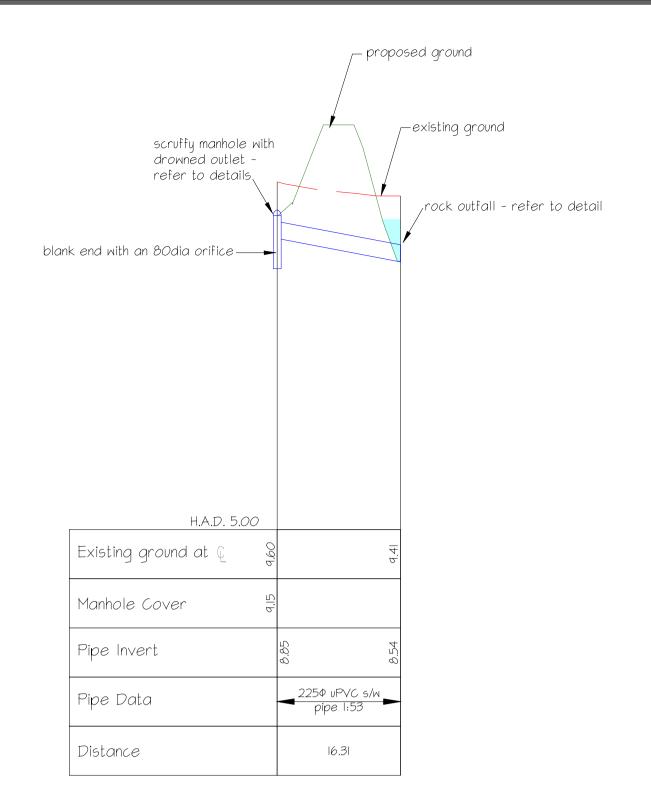
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/ issue / date / reason



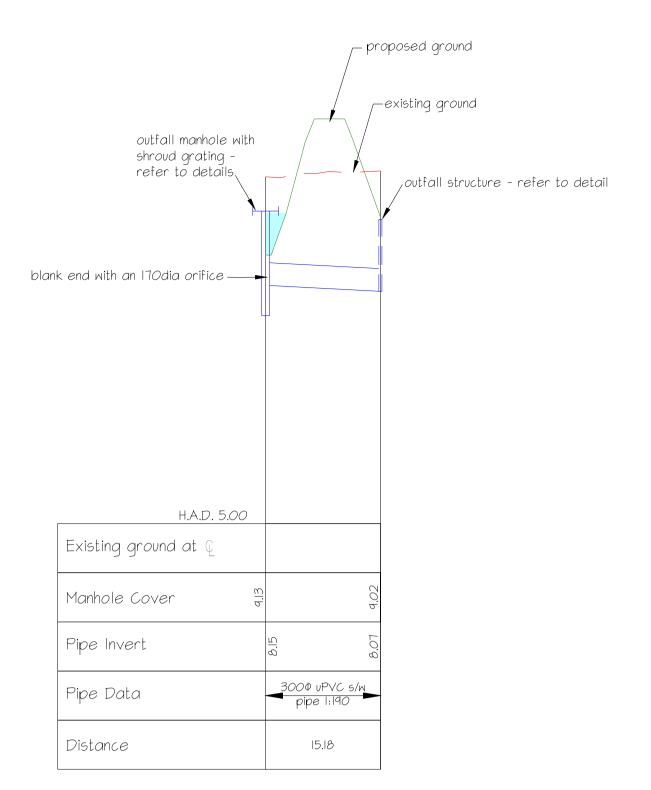
STORMWATER LONG SECTION - INLET to OUTLET

SCALE 1:500 horiz
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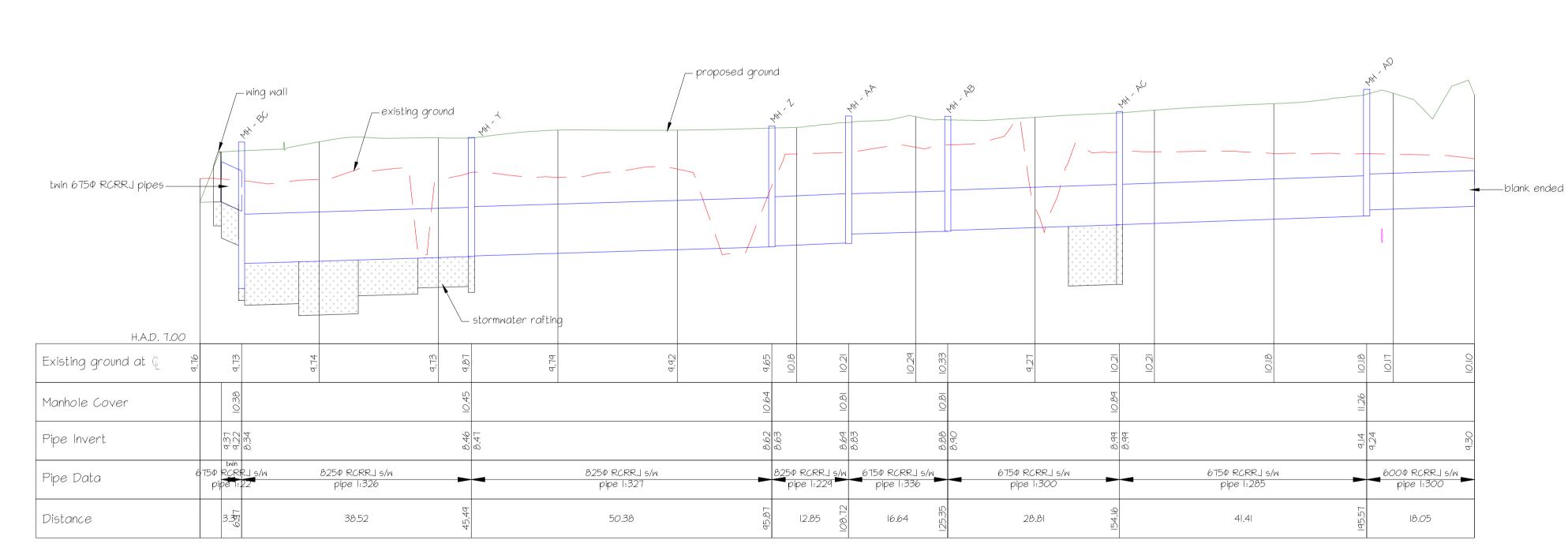
STORMWATER LONG SECTION - N2 to Wetland

SCALE 1:500 horiz
SCALE 1:50 vert



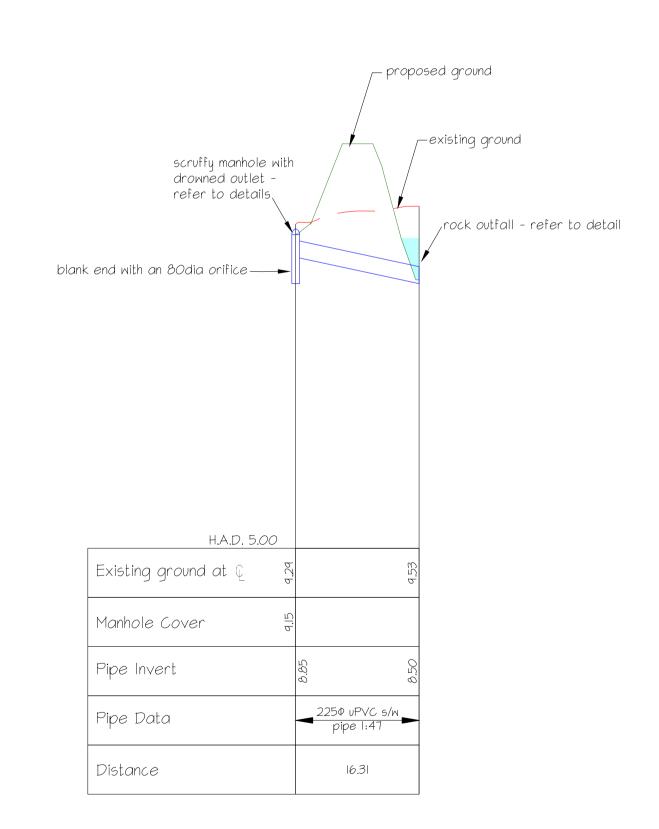
STORMWATER LONG SECTION - Wetland to Detention Basin

SCALE 1:500 horiz
SCALE 1:500 vert



STORMWATER LONG SECTION - INLET to MH AE

SCALE 1:500 horiz
SCALE 1:50 vert



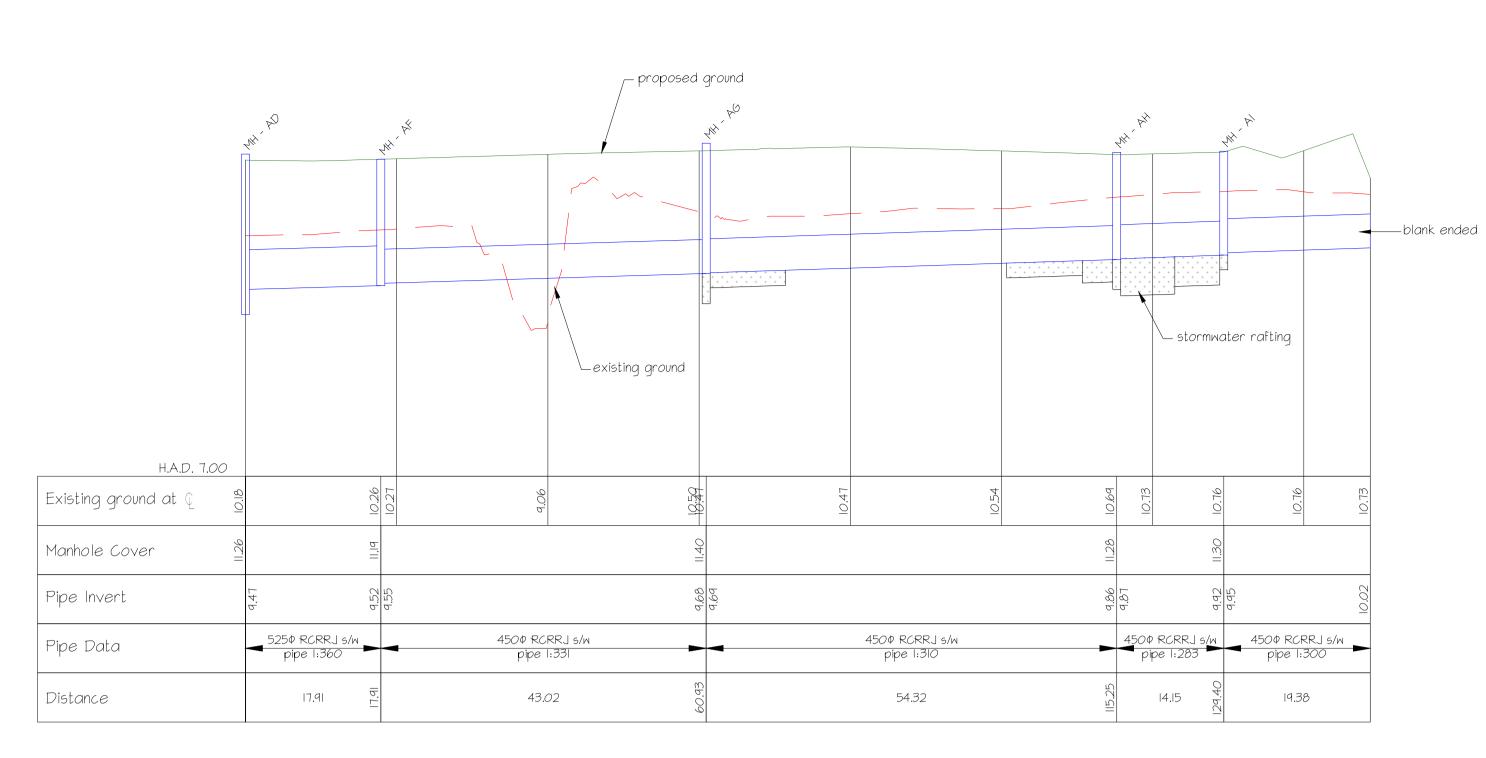
STORMWATER LONG SECTION - N3 to Wetland

SCALE 1:500 horiz
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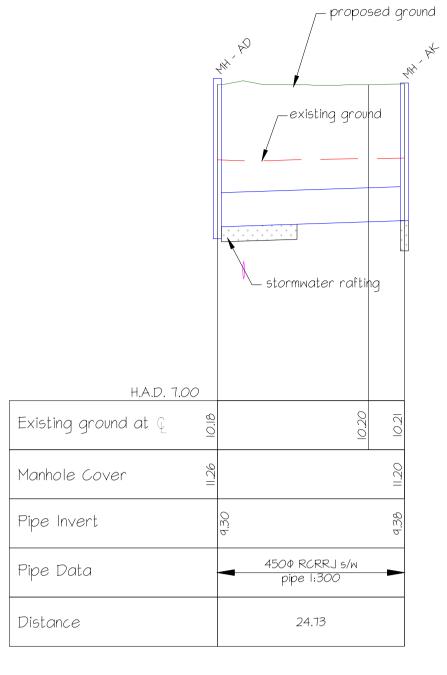




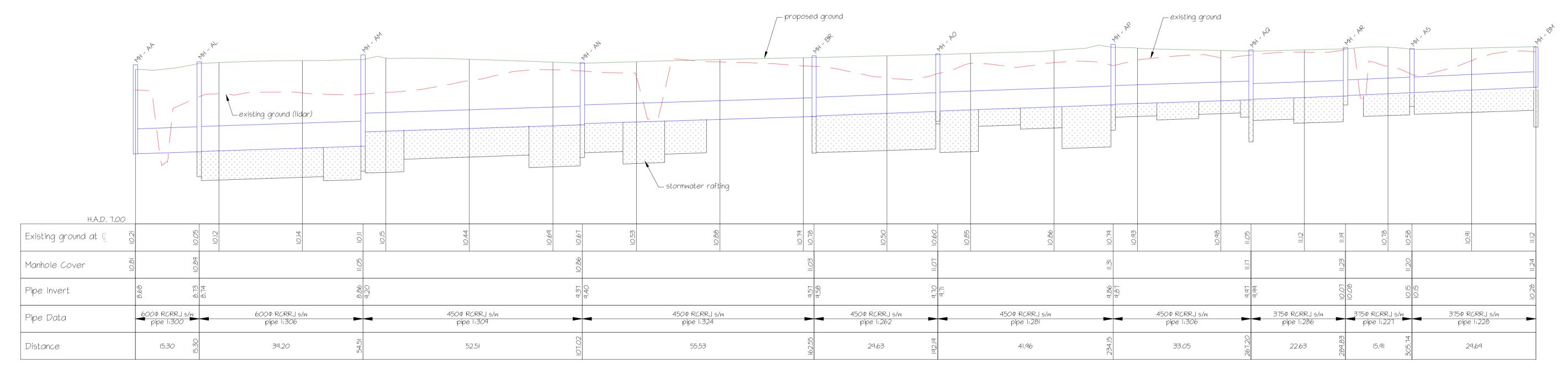




STORMWATER LONG SECTION - MH AD to MH AJ



STORMWATER LONG SECTION - MH AD to MH AK

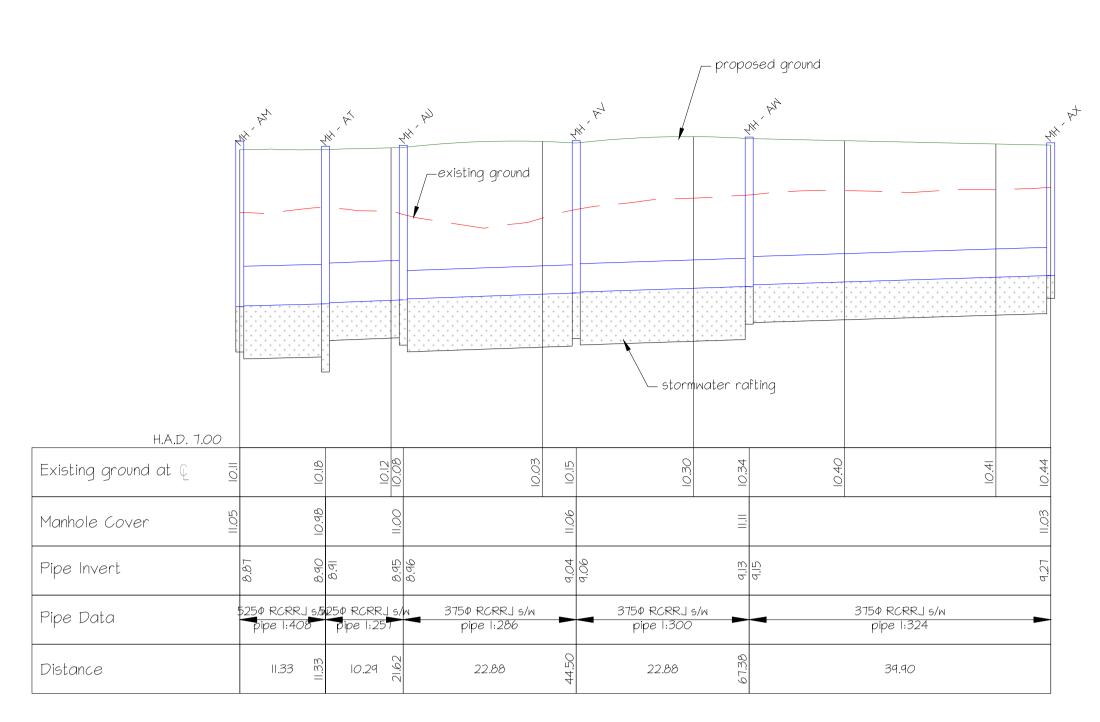


STORMWATER LONG SECTION - MH AA to MH BM SCALE 1:500 horiz SCALE 1:50 vert

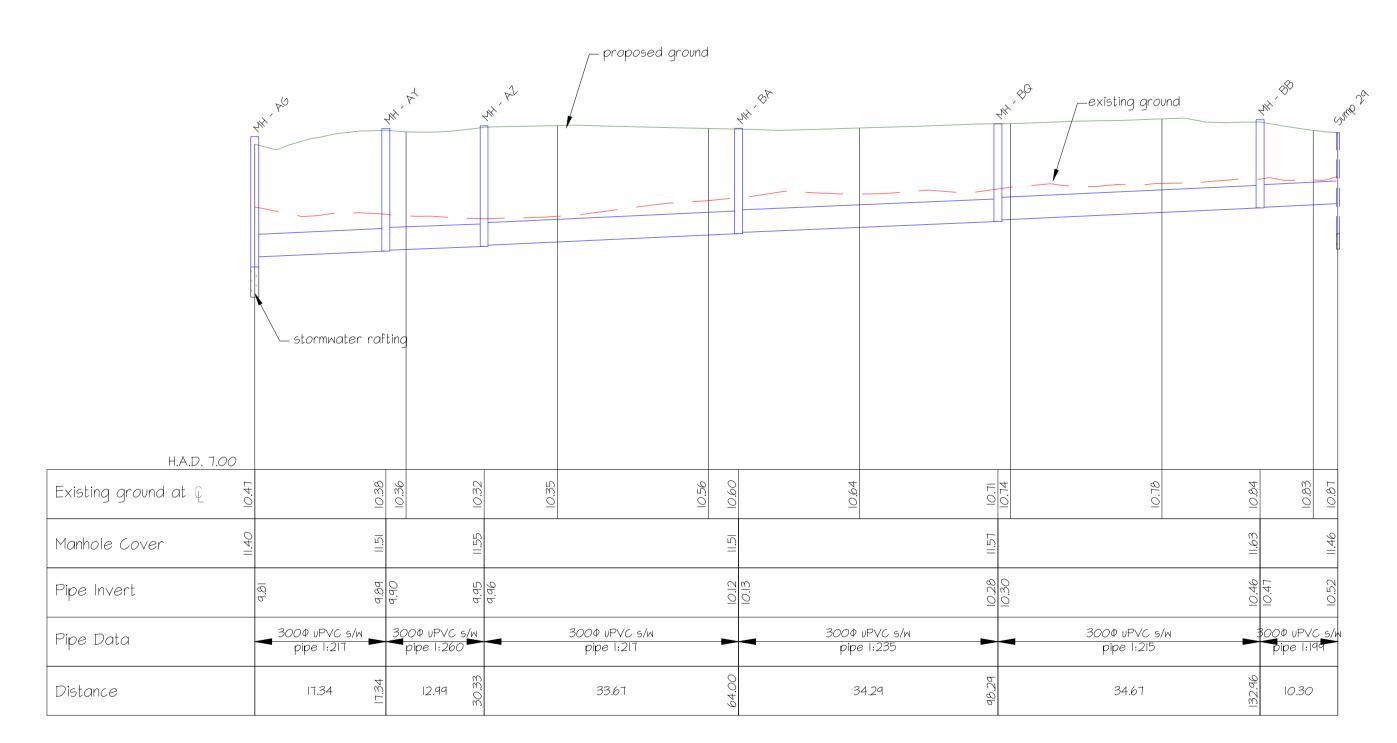






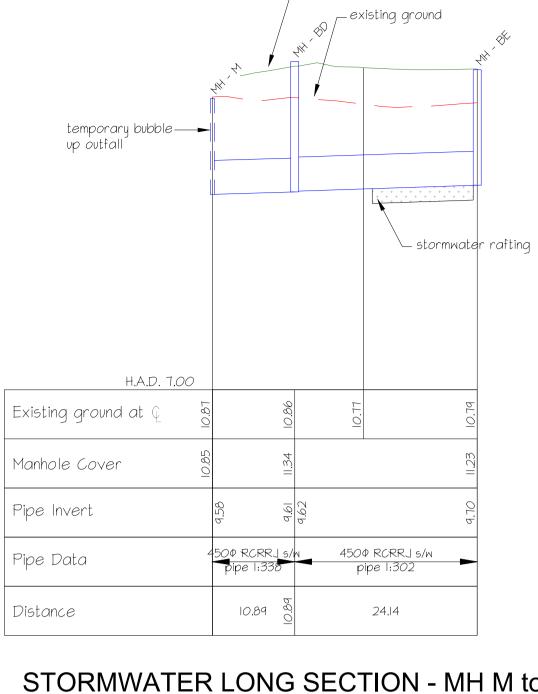


STORMWATER LONG SECTION - MH AM to MH AX



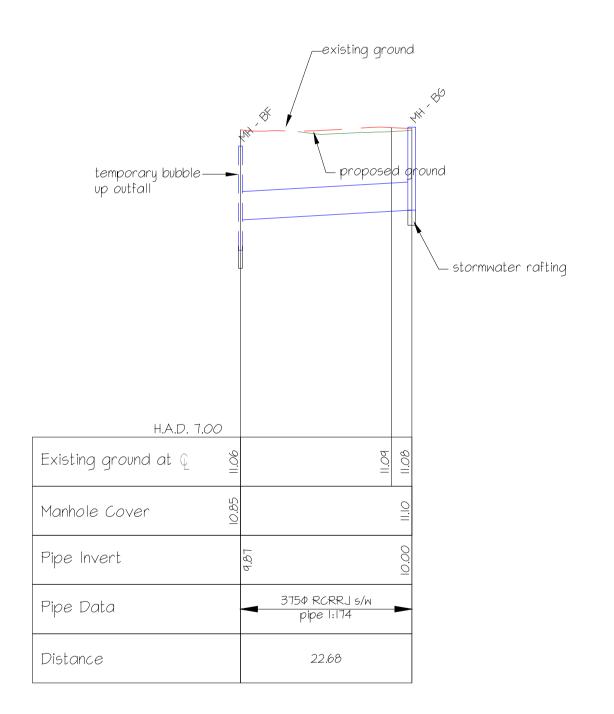
STORMWATER LONG SECTION - MH AG to Sump 29

SCALE 1:500 horiz
SCALE 1:50 vert



_ proposed ground

STORMWATER LONG SECTION - MH M to MH BE

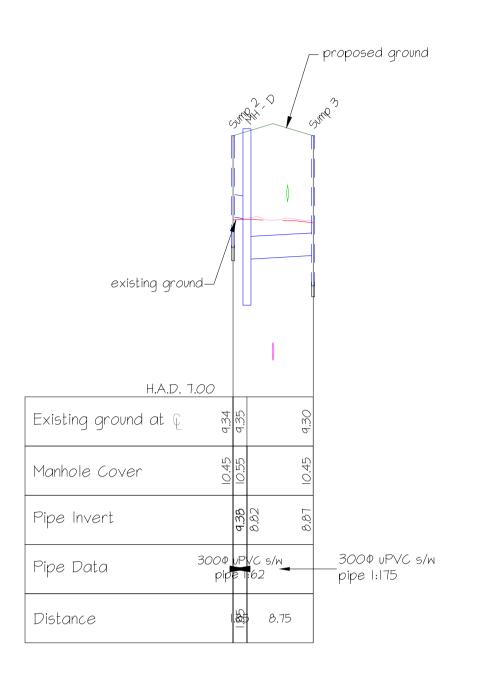


STORMWATER LONG SECTION - MH BF to MH BG

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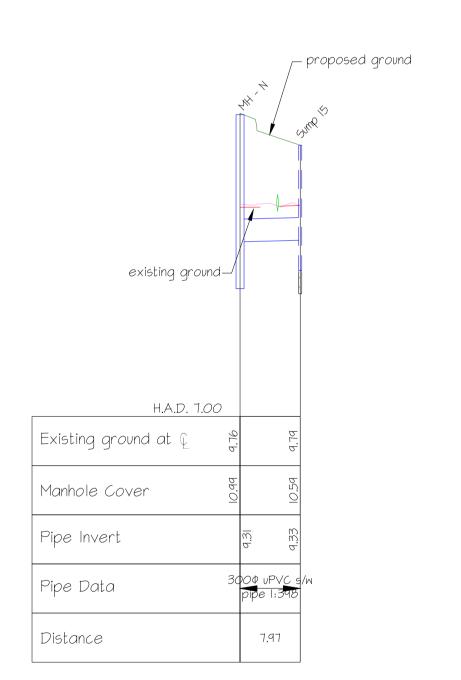


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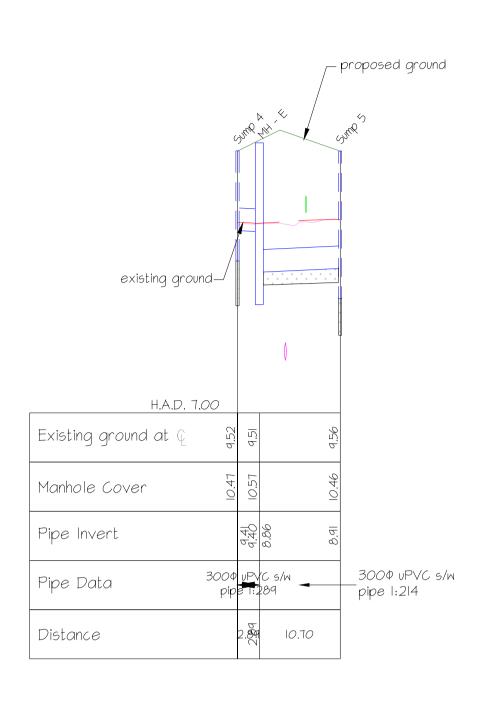
SUMP TO SUMP - Sump 2 - Sump 3

SCALE 1:500 horiz
SCALE 1:50 vert



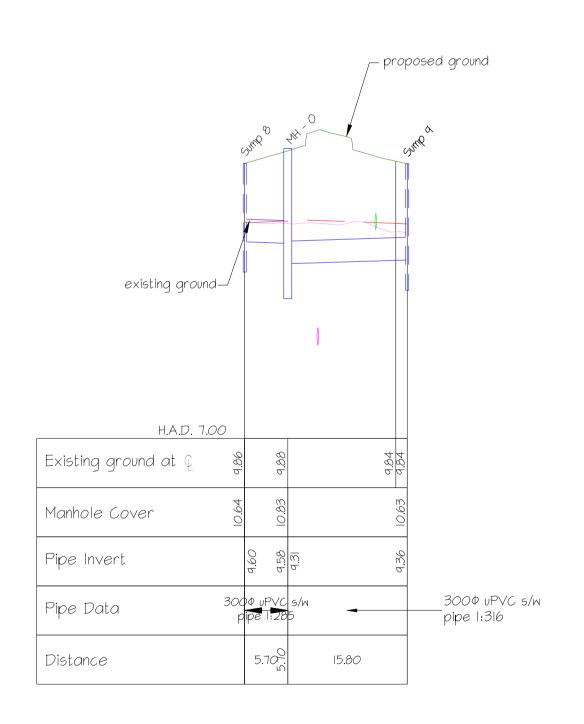
SUMP TO SUMP - MH N - Sump 15

SCALE 1:500 horiz
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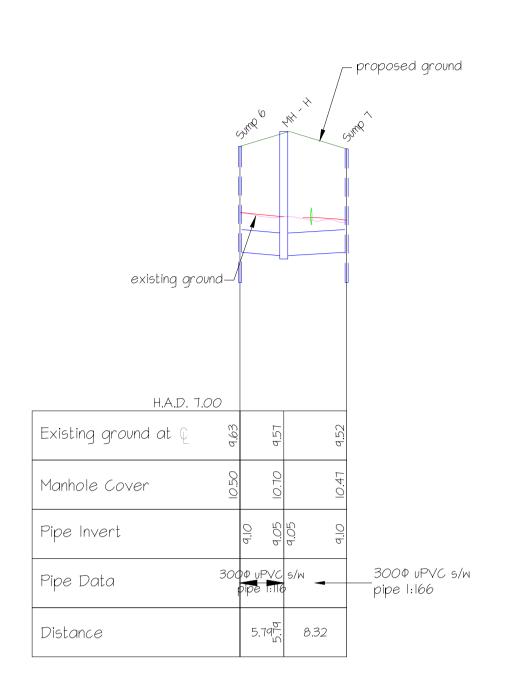
SUMP TO SUMP - Sump 4 - Sump 5

SCALE 1:500 horiz
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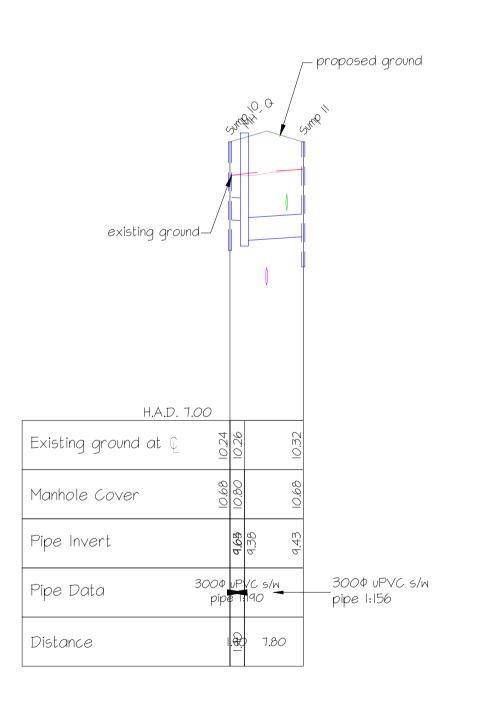
SUMP TO SUMP - Sump 8 - Sump 9

SCALE 1:500 horiz
SCALE 1:50 vert



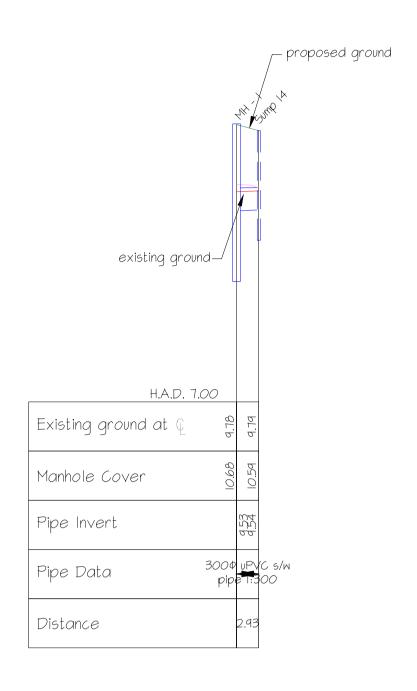
SUMP TO SUMP - MH 6 - Sump 7

SCALE 1:500 horiz
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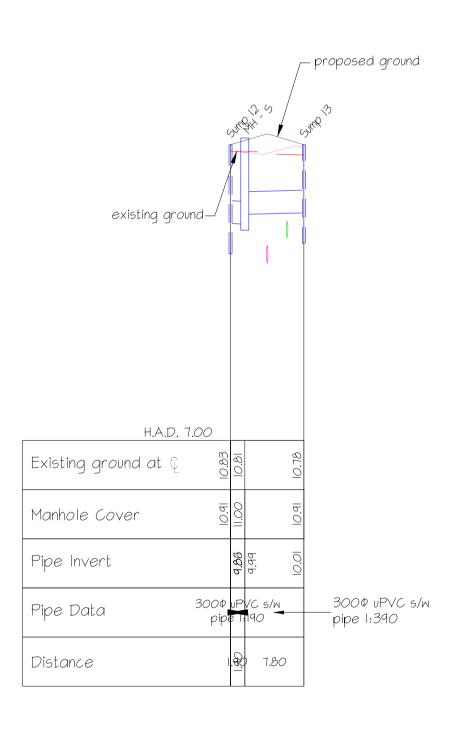
SUMP TO SUMP - Sump 10 - Sump 11

SCALE 1:500 horiz
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SUMP TO SUMP - MH I - Sump 14

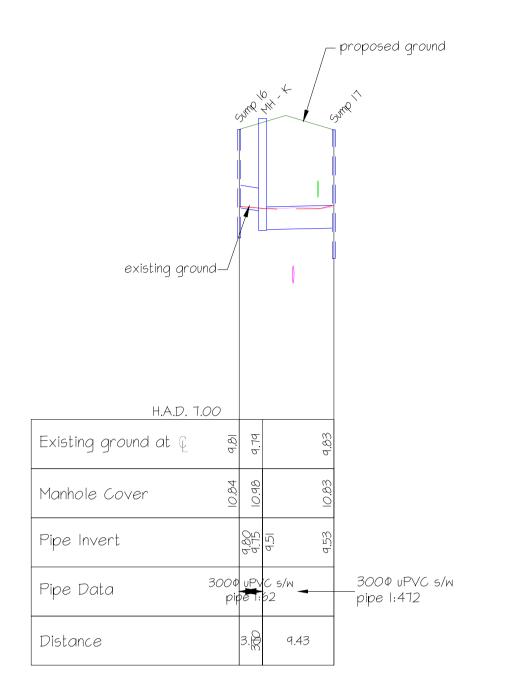
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SUMP TO SUMP - Sump 12 - Sump 13

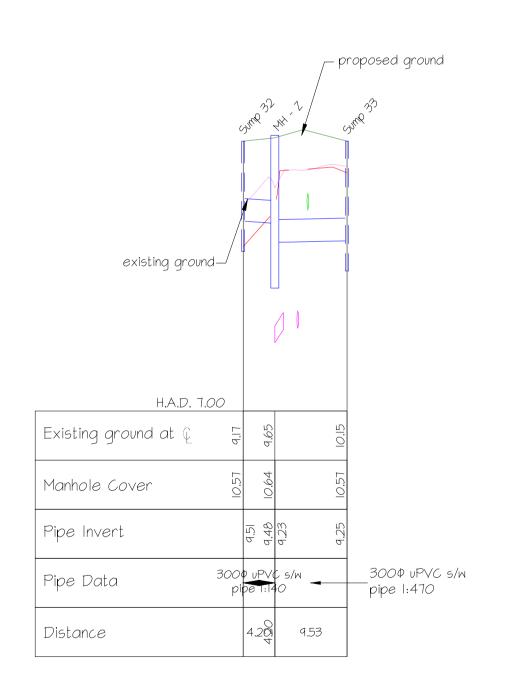
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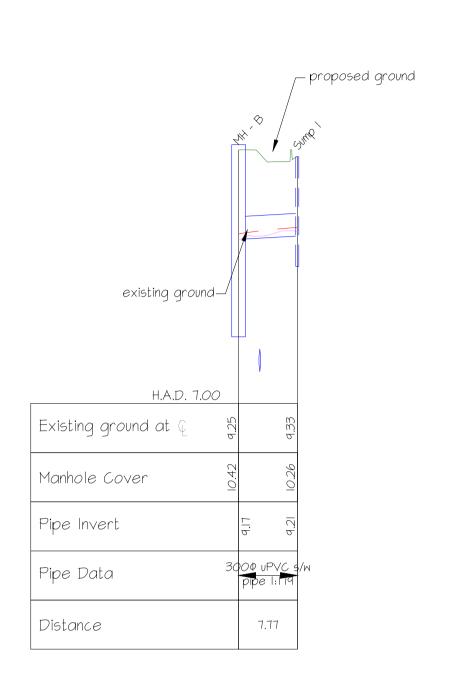
SUMP TO SUMP - Sump 16 - Sump 17

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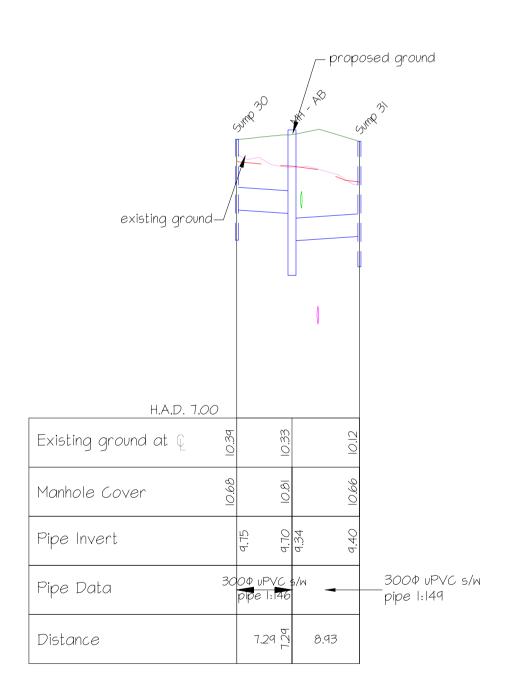
SUMP TO SUMP - Sump 32 - Sump 33

SCALE 1:500 horiz
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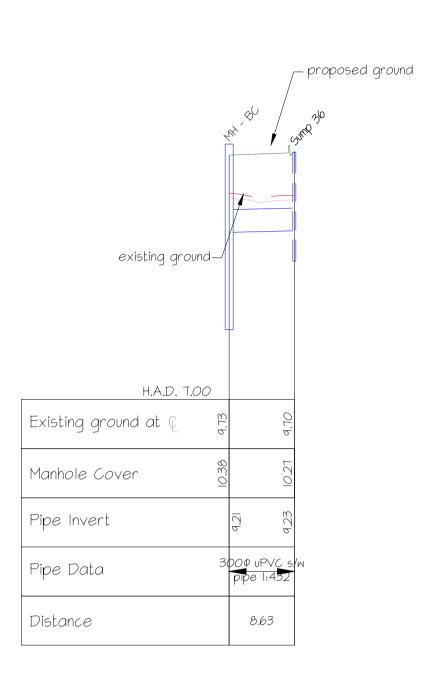
SUMP TO SUMP - MH B - Sump 1

SCALE 1:500 horiz
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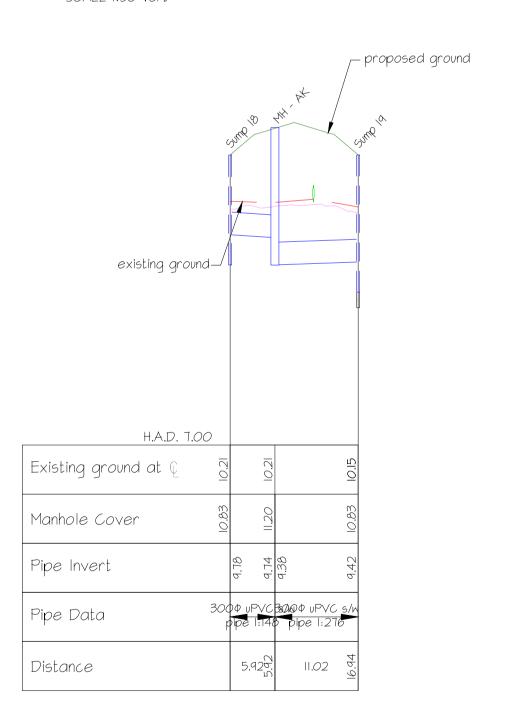
SUMP TO SUMP - Sump 30 - Sump 31

SCALE 1:500 horiz
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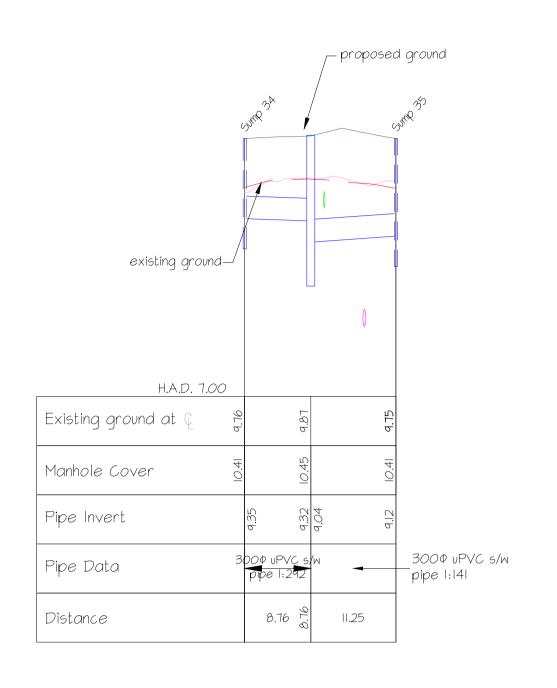
SUMP TO SUMP - MH BC - Sump 36

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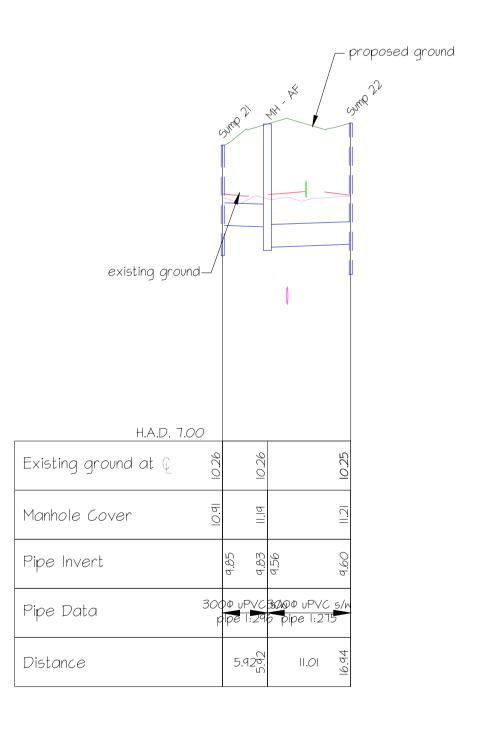
SUMP TO SUMP - Sump 18 - Sump 19

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SUMP TO SUMP - Sump 34 - Sump 35

SCALE 1:500 horiz
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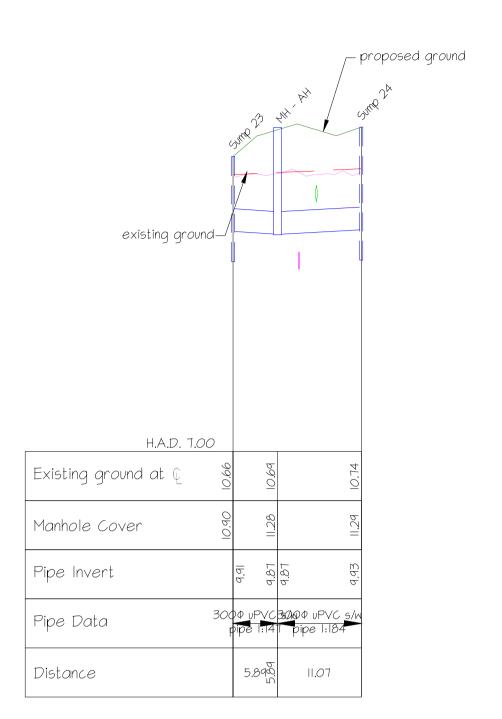
SUMP TO SUMP - Sump 21 - Sump 22

SCALE 1:500 horiz
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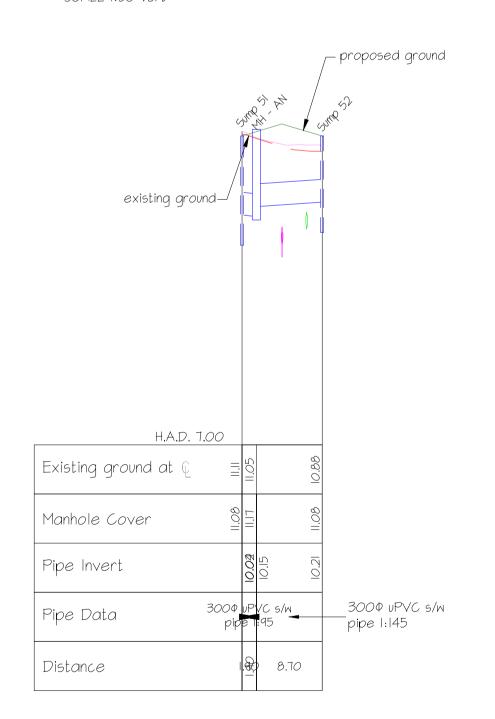


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В	06/04/18	For Council	



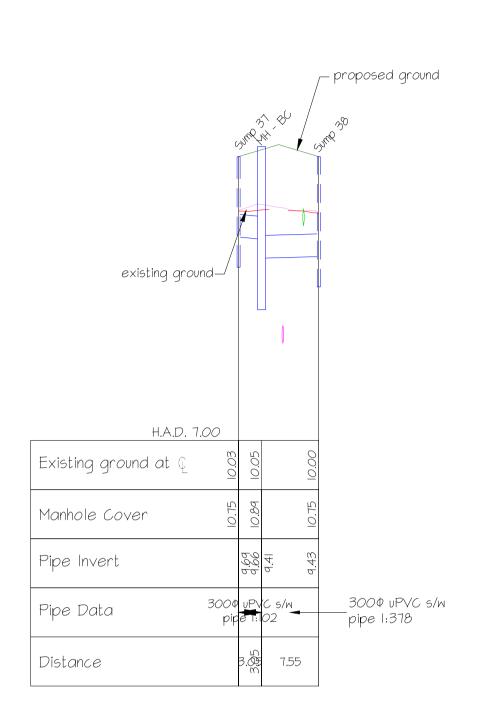
SUMP TO SUMP - Sump 23 - Sump 24

SCALE I:500 horiz
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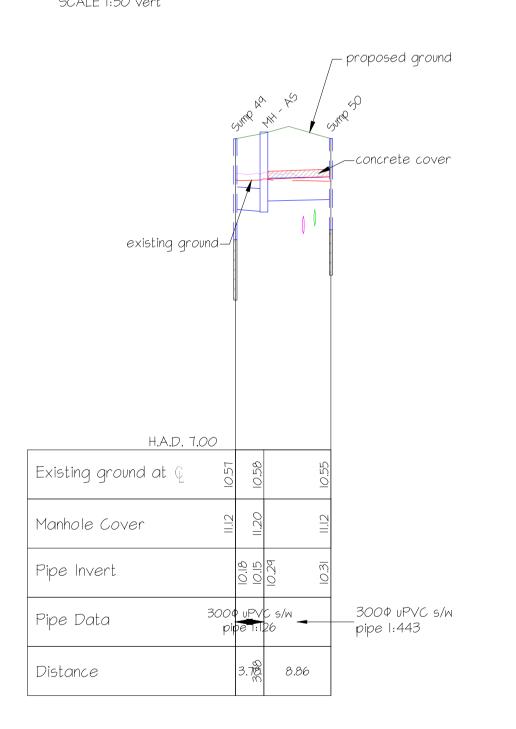
SUMP TO SUMP - Sump 51 - Sump 52

SCALE 1:500 horiz
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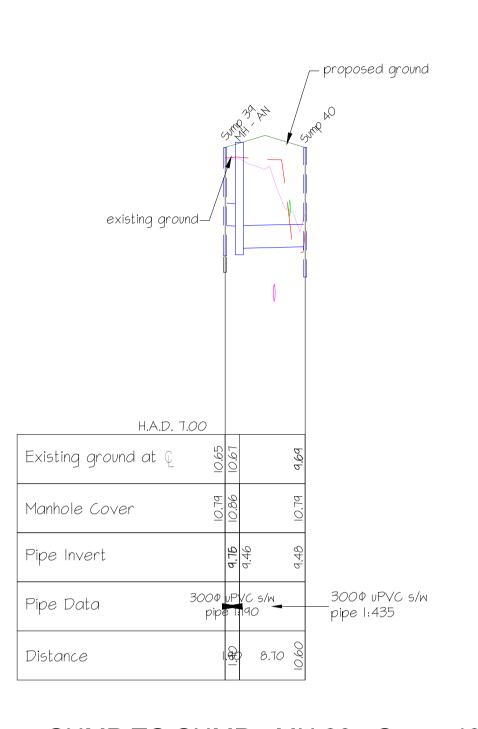


SUMP TO SUMP - Sump 37 - Sump 38

SCALE 1:500 horiz
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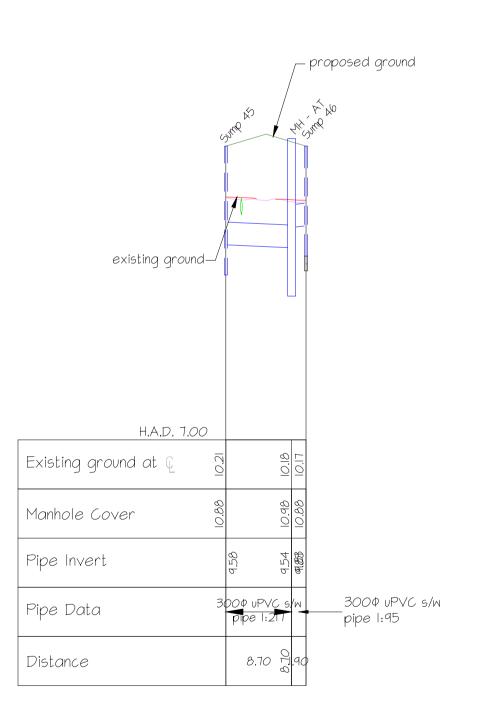


SUMP TO SUMP - Sump 49 - Sump 50
SCALE 1:500 horiz
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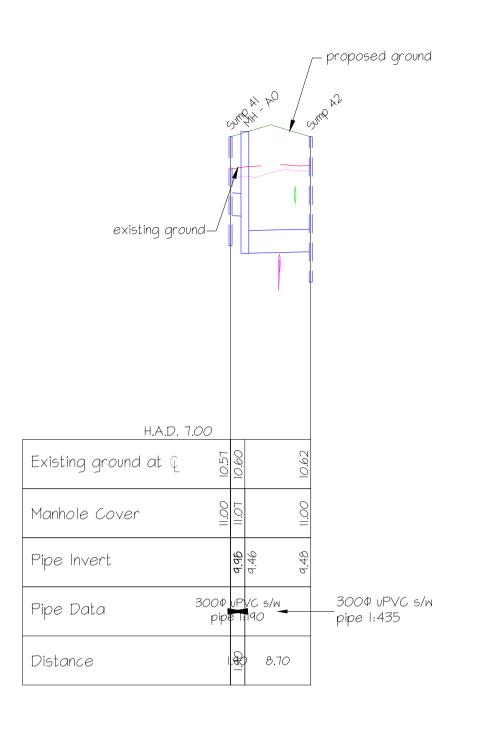
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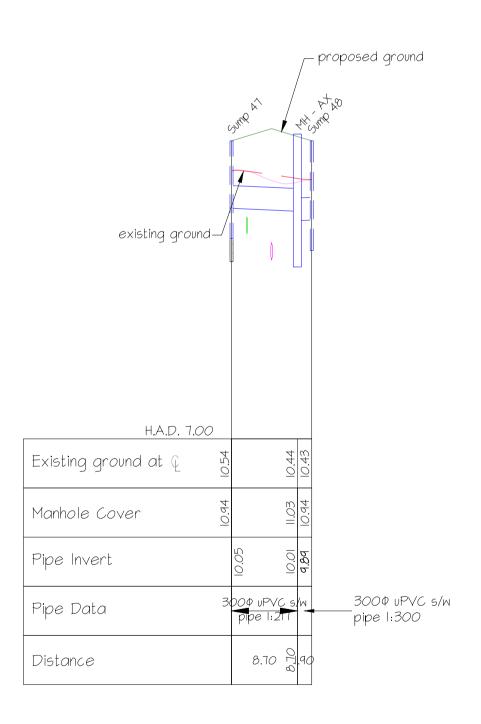
SUMP TO SUMP - Sump 45 - Sump 46

SCALE 1:500 horiz
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SUMP TO SUMP - Sump 41 - Sump 42

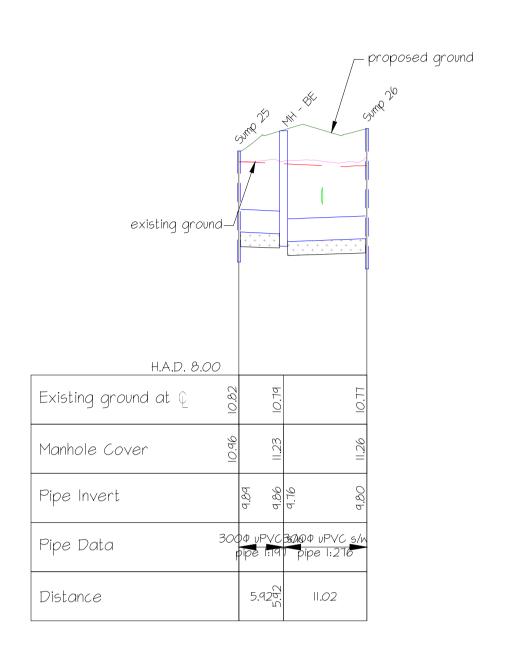
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SUMP TO SUMP - Sump 47 - Sump 48

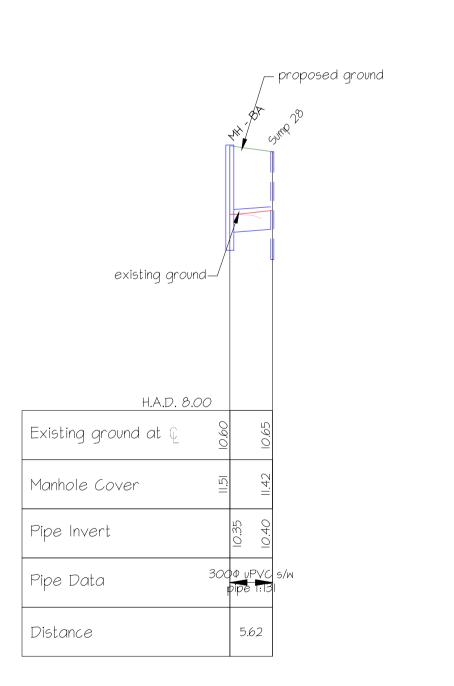
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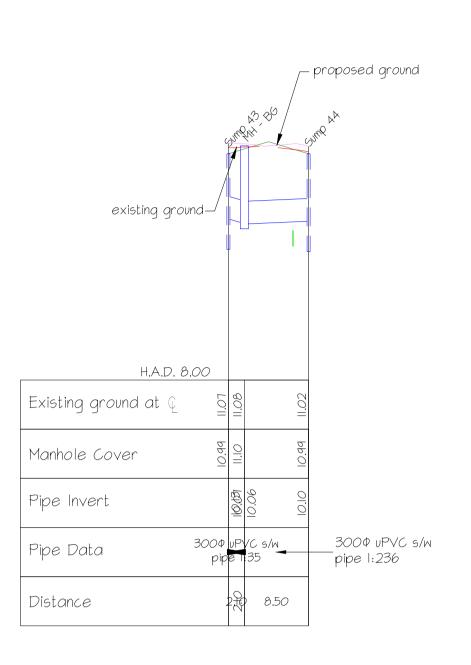
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SCALE 1:500 horiz
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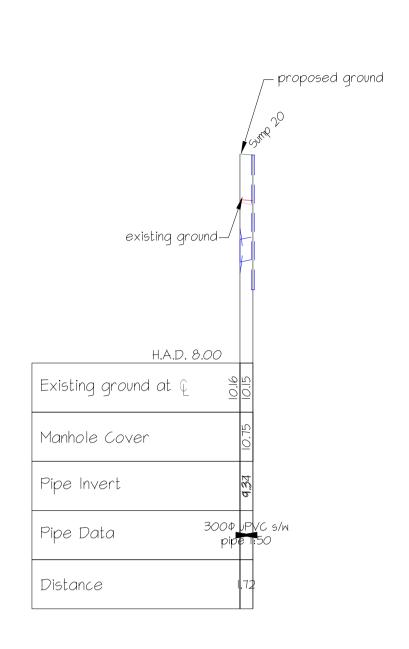
SUMP TO SUMP - MH BA - Sump 28

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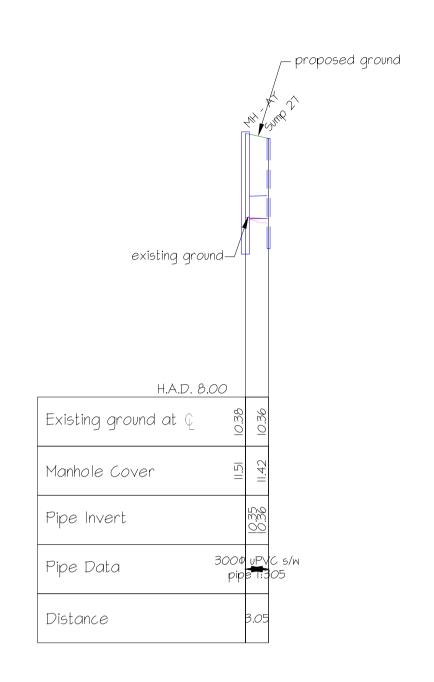
SUMP TO SUMP - Sump 43 - Sump 44

SCALE 1:500 horiz
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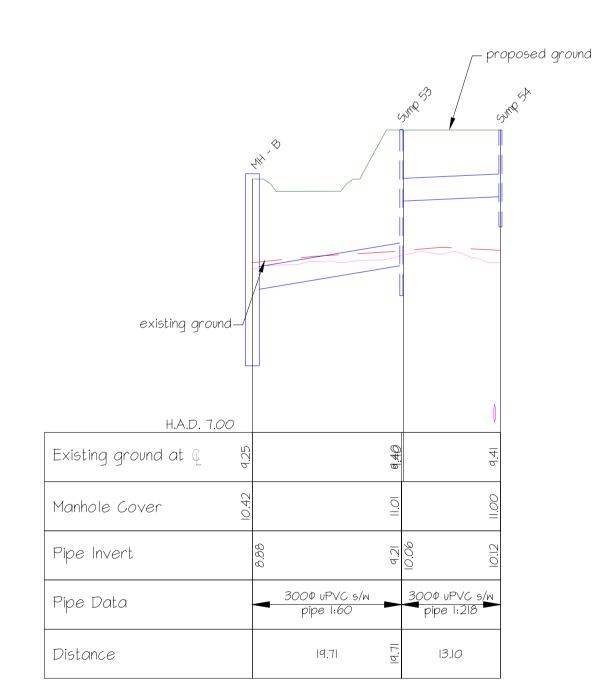
SUMP TO SUMP - Direct Connection - Sump 20

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SUMP TO SUMP - MH AY - Sump 27

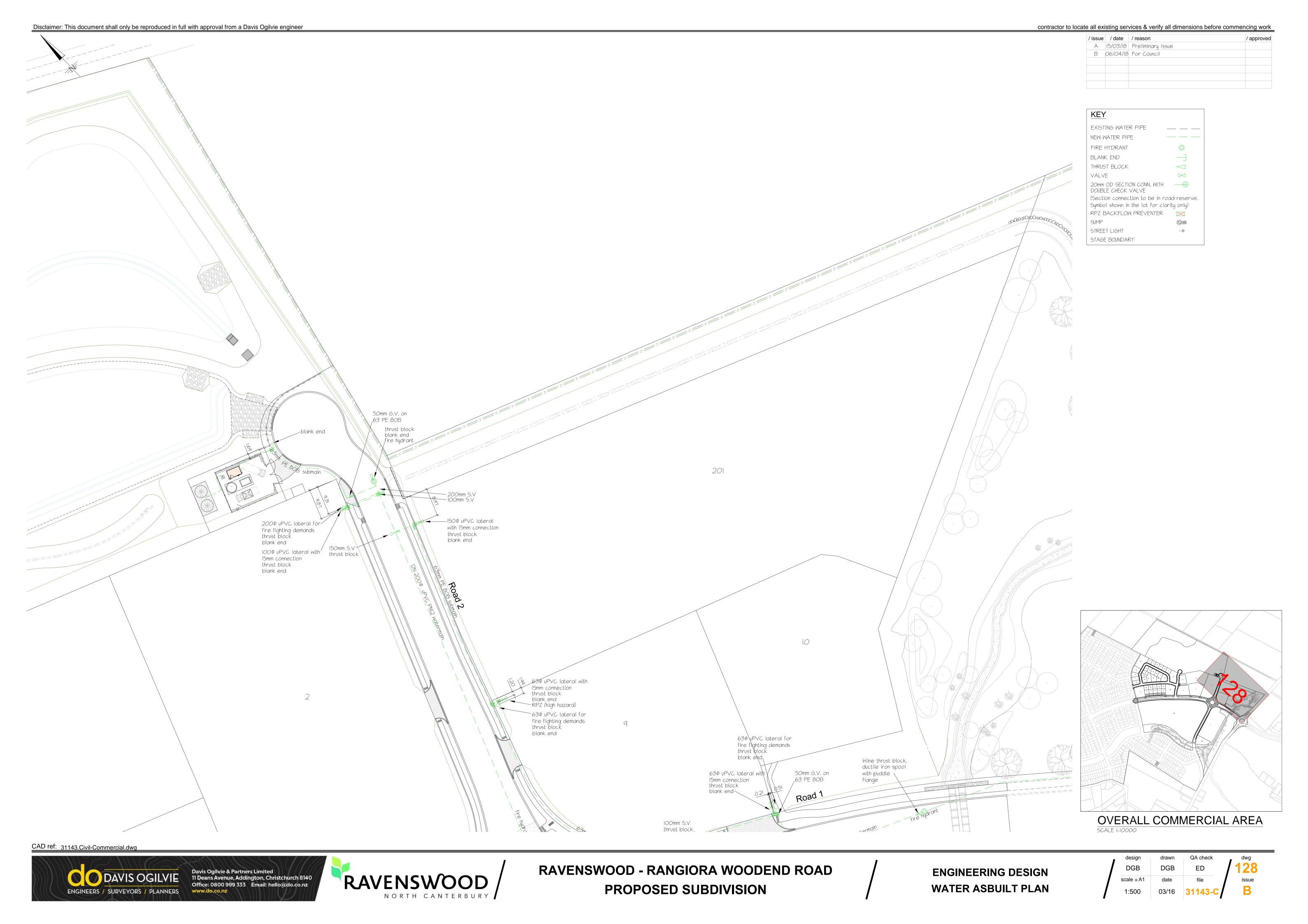
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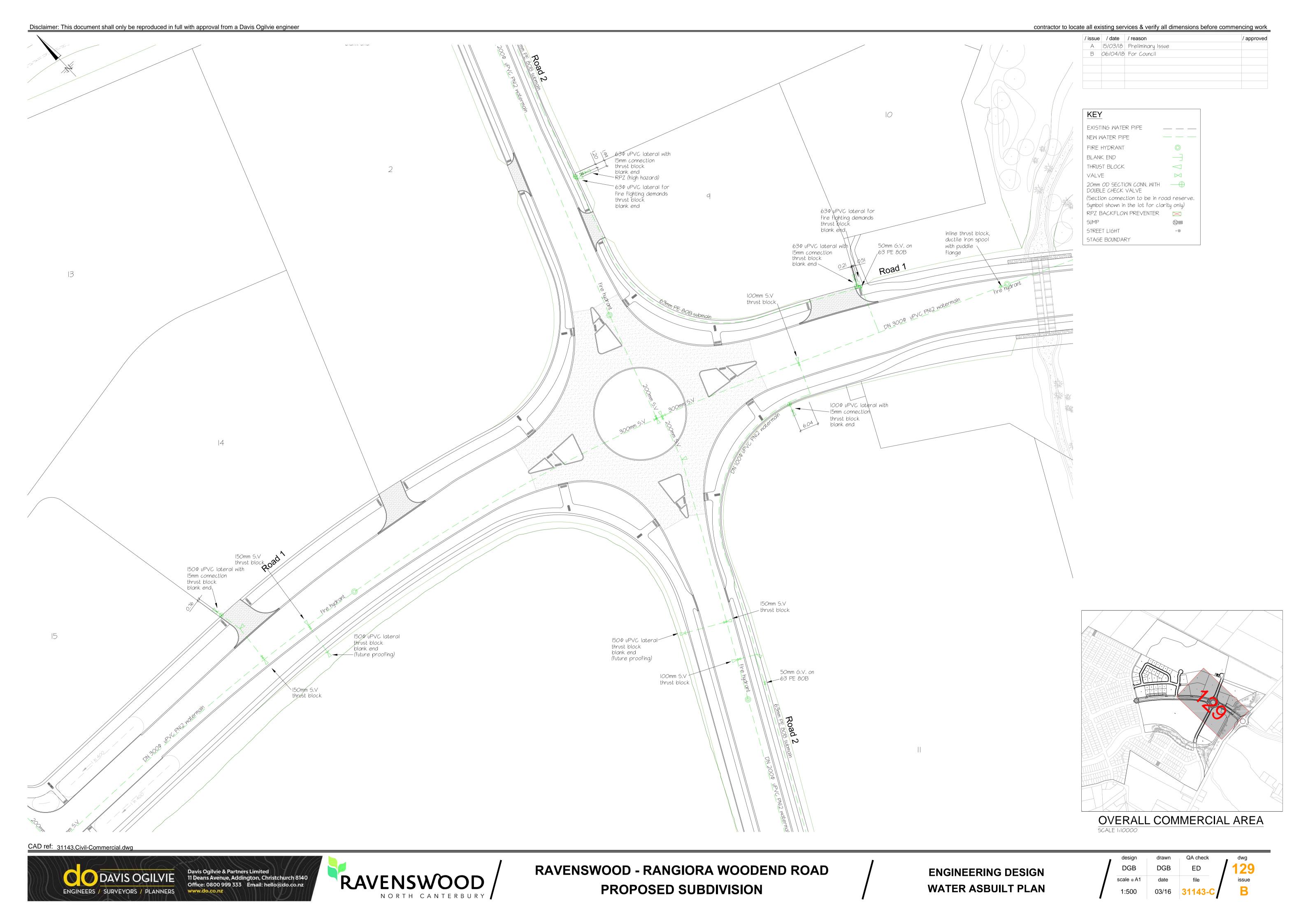


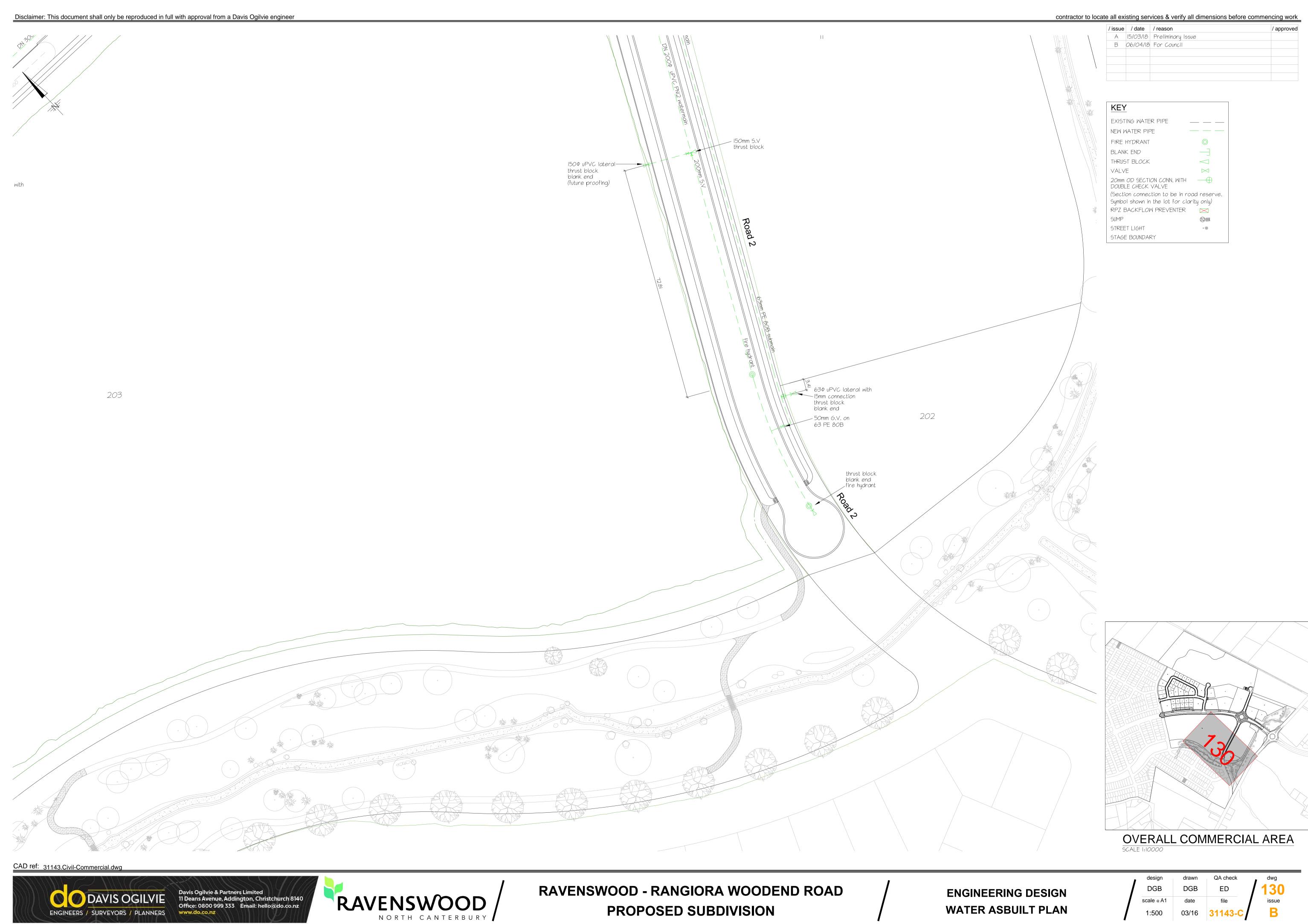
SUMP TO SUMP - MH B - Sump 54

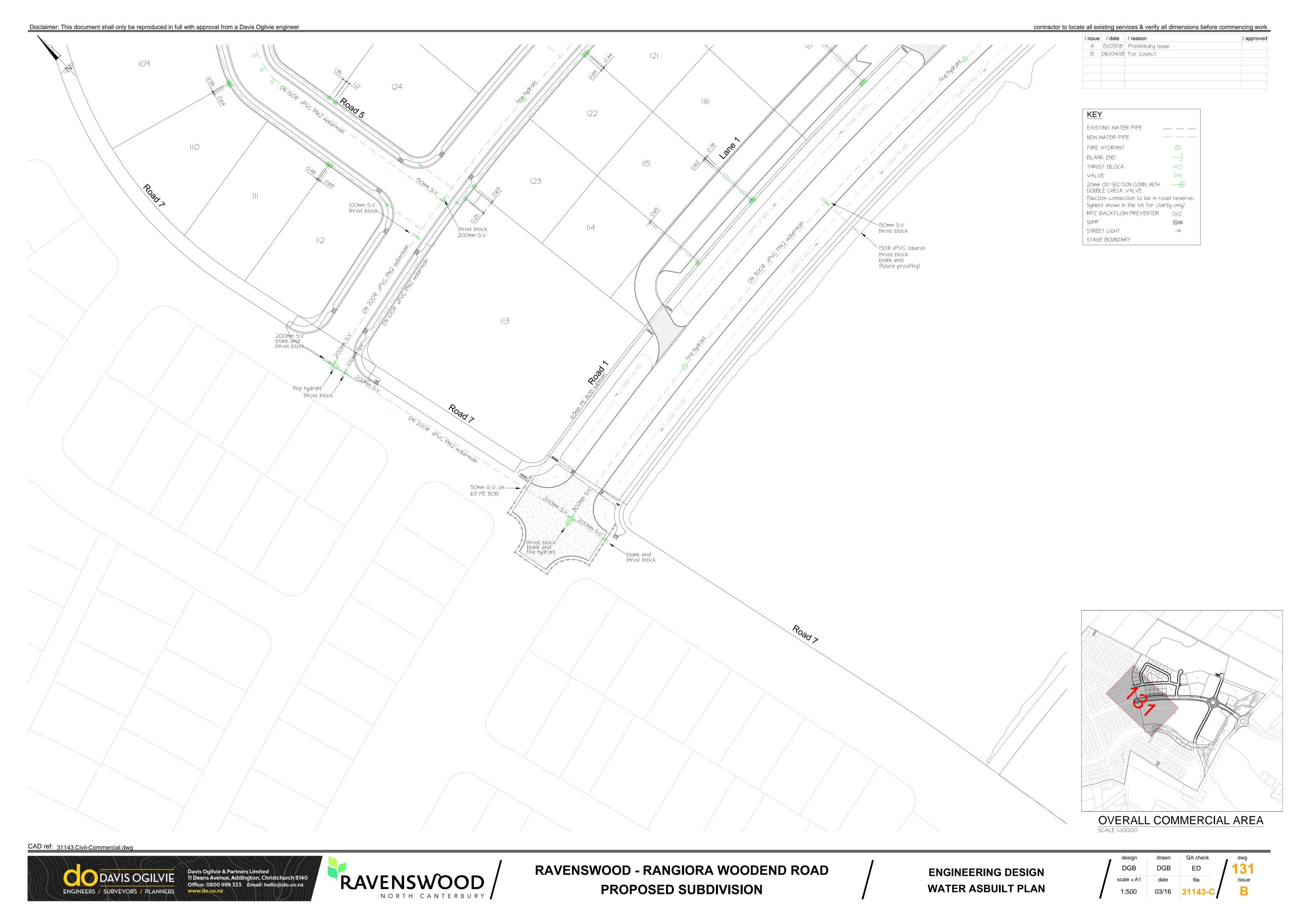
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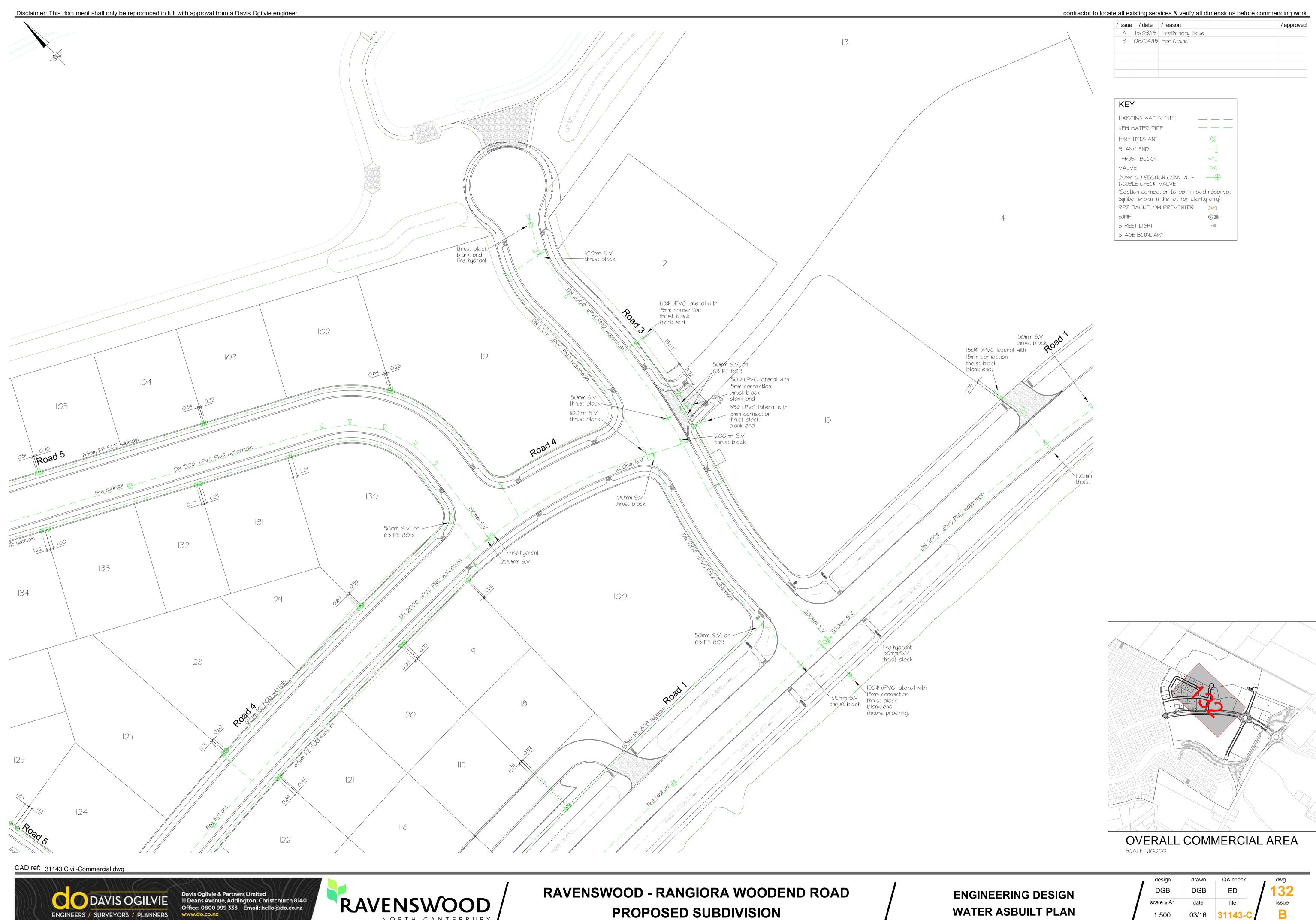
ENGINEERS / SURVEYORS / PLANNERS

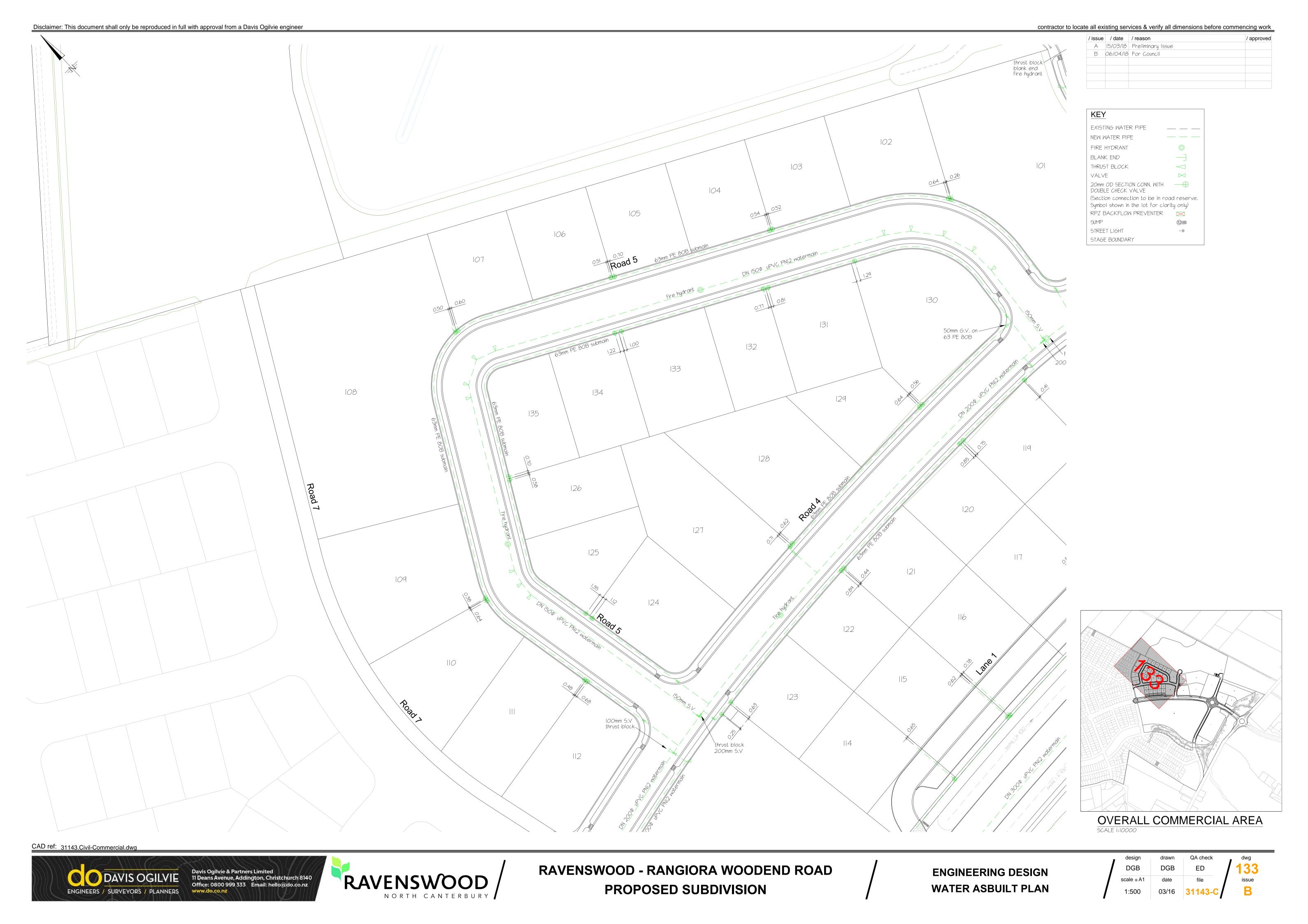


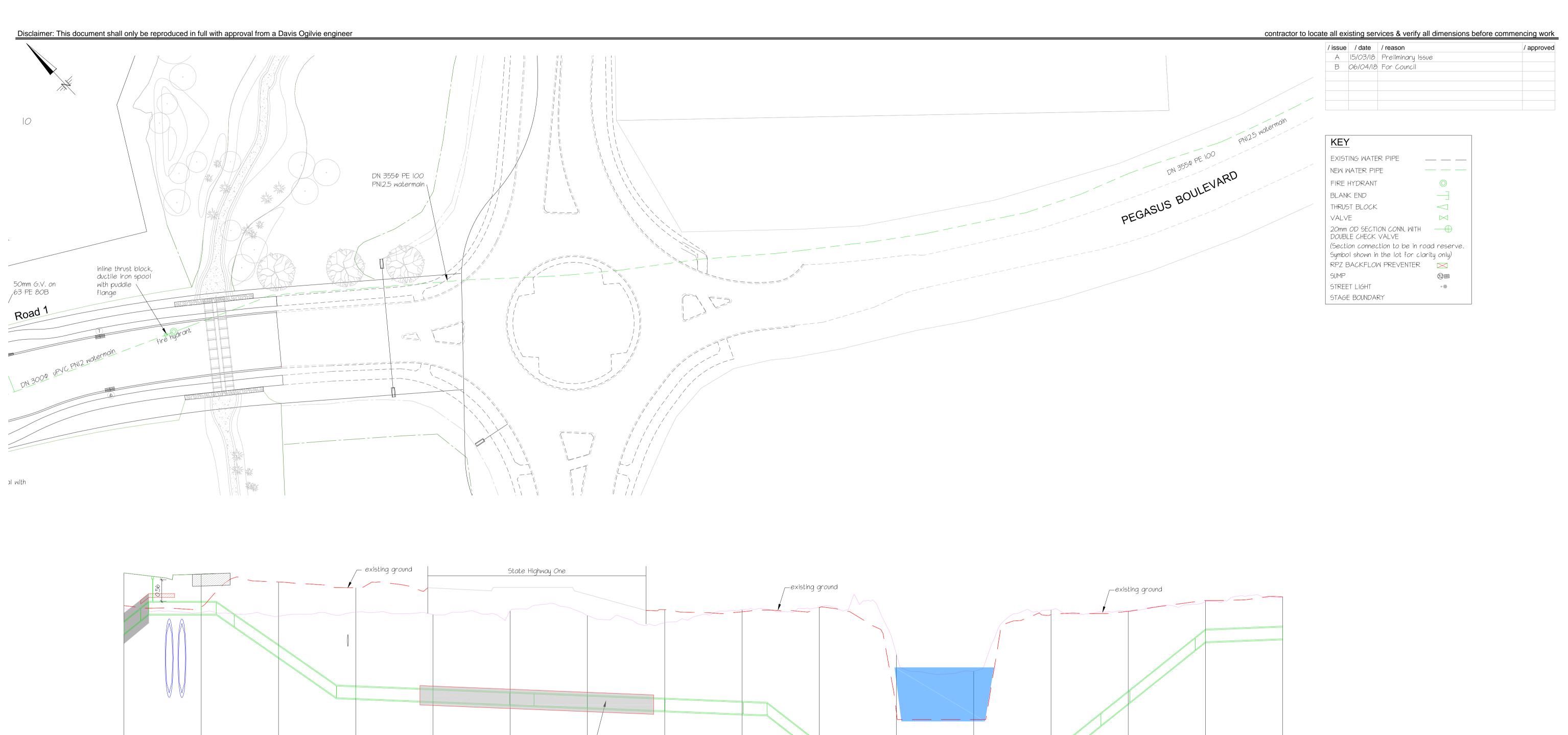


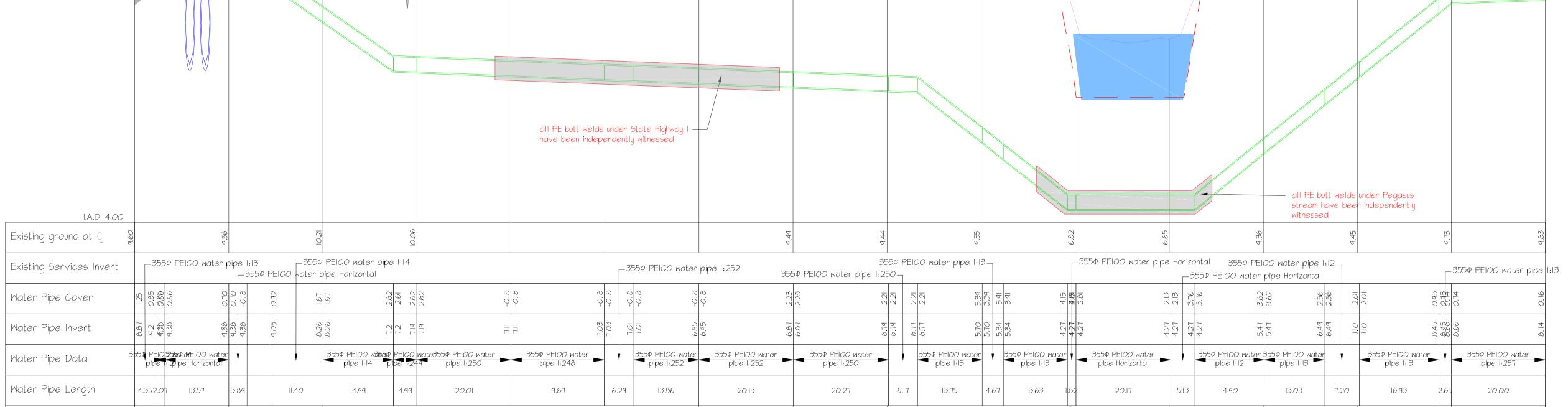


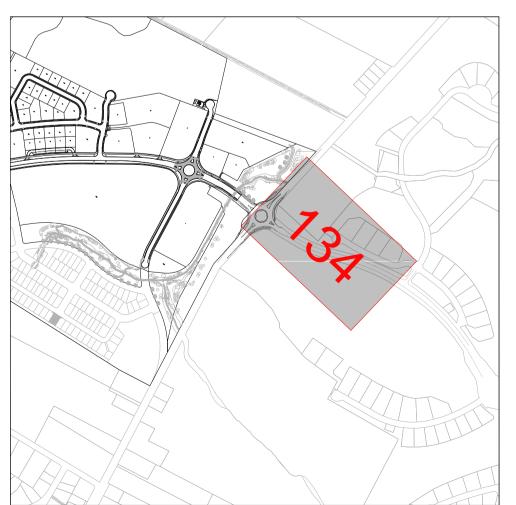












OVERALL COMMERCIAL AREA

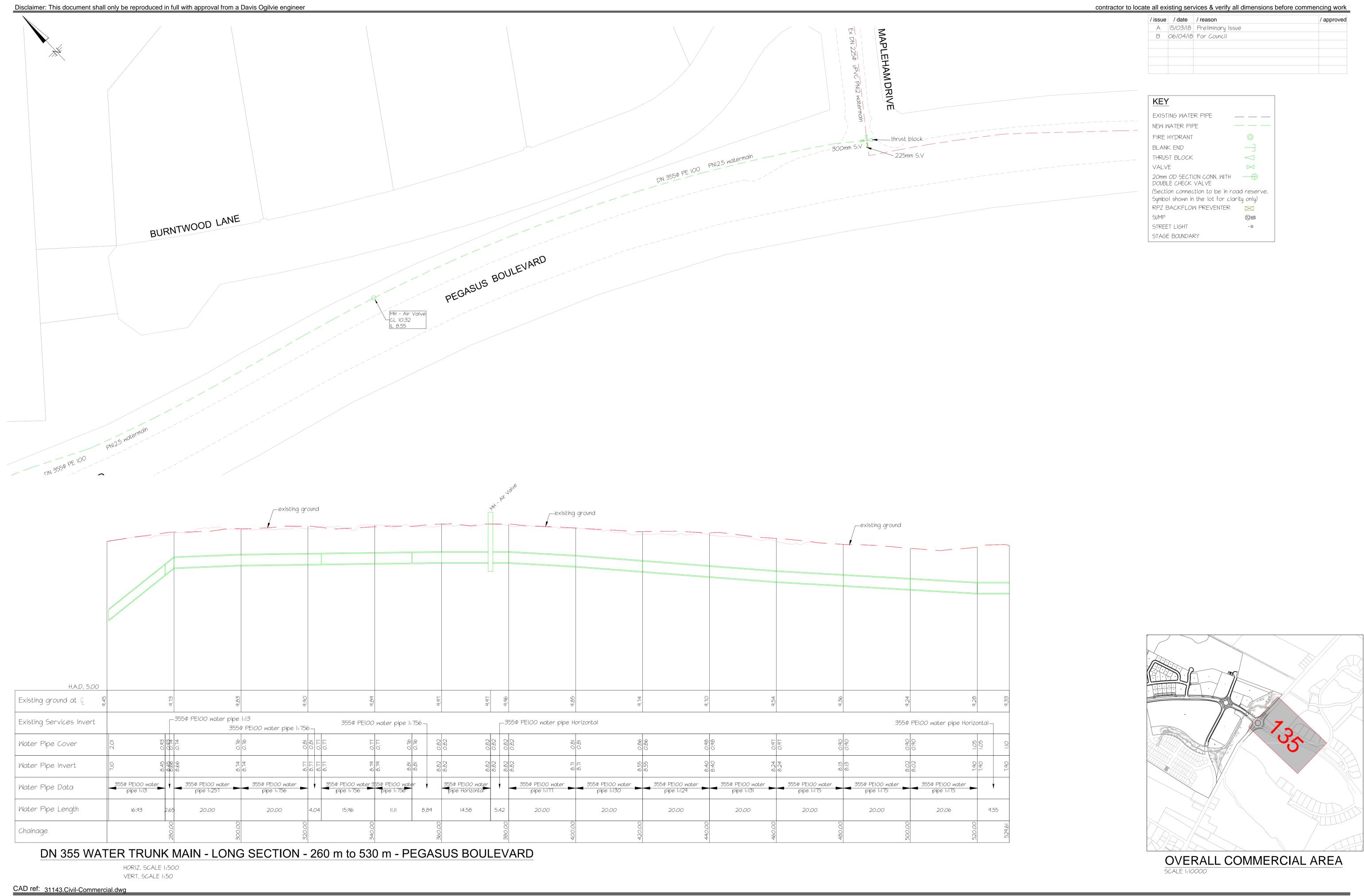
DN 355 WATER TRUNK MAIN - LONG SECTION - 0 m to 300 m - PEGASUS BOULEVARD

HORIZ. SCALE 1:500 VERT. SCALE 1:50

CAD ref: 31143.Civil-Commercial.dwg

Chainage





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ENGINEERS / SURVEYORS / PLANNERS