



2 HALIFAX AVENUE

PROJECT FP210b
2 .HALIFAX AVENUE, EPSOM



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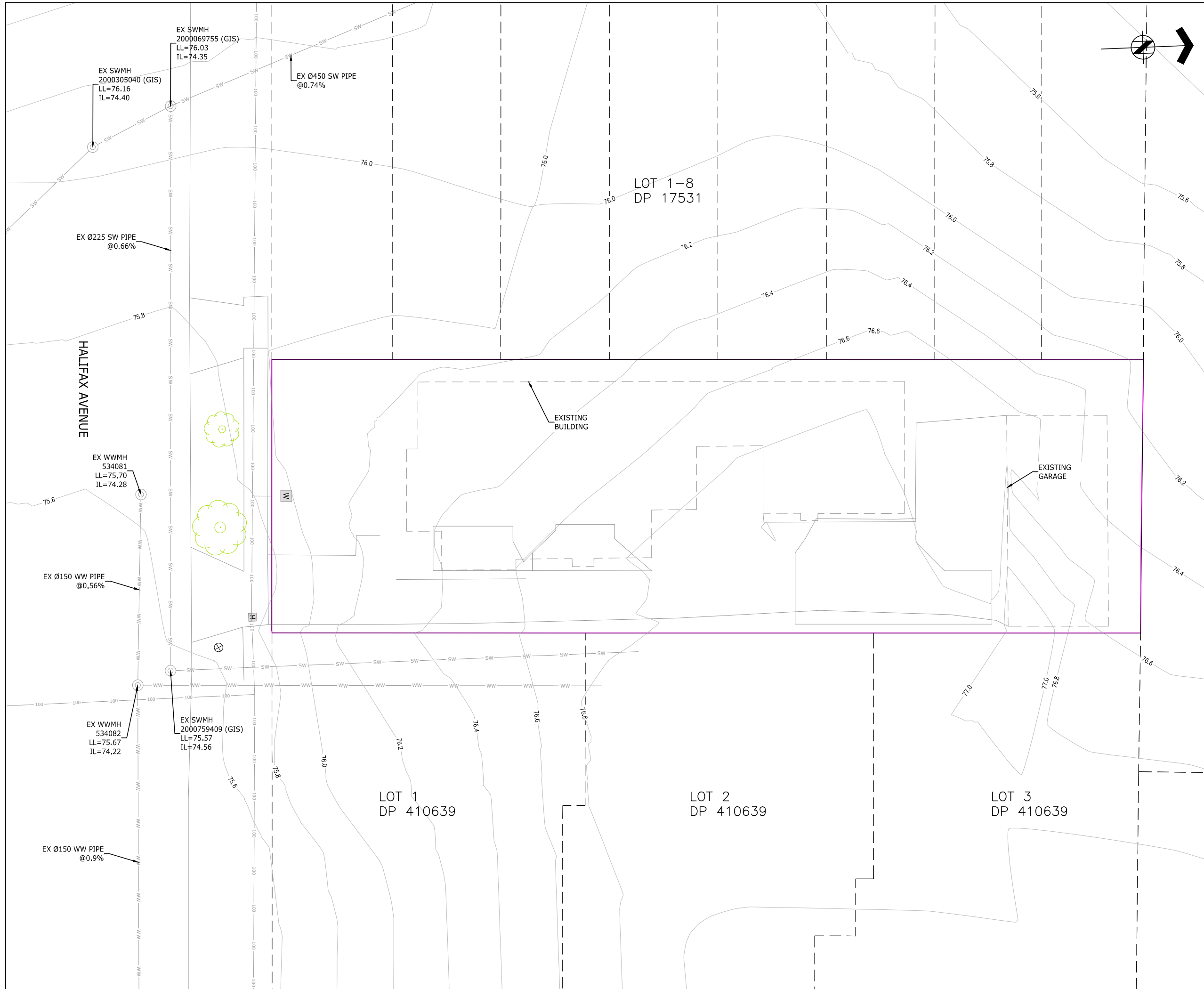
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NOTES:

1. THE BASE INFORMATION SHOWN ON THIS PLAN IS PROVIDED FROM SEVERAL SOURCES TO ALLOW THE DESIGN TO MARRY INTO:
 - 1) AUCKLAND COUNCIL GEOMAP
 - 2) SITE SURVEY DATA
2. COORDINATES ARE IN TERMS MT EDEN CIRCUIT 2000.
3. SERVICES POSITIONS, ALIGNMENT AND OTHER SITE INFORMATION OBTAINED FROM THIRD PARTY RECORDS SHOULD BE VERIFIED ON SITE PRIOR TO CONSTRUCTION COMMENCING. EIGHTYSIX ENGINEERING DOES NOT IN ANY WAY GUARANTEE THE ACCURACY OF THE SITE BASE INFORMATION OBTAINED FROM THIRD PARTY RECORDS SHOWN ON THIS PLAN.
4. THIS NOTES ARE IN INTEGRAL PART OF THIS PLAN.
5. THIS PLAN IS ISSUED FOR A SPECIFIC PROJECT AND MAY NOT BE ALTERED OR USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF EIGHTYSIX ENGINEERING.

LEGEND:

- WW - EXISTING WASTEWATER
- SW - EXISTING STORMWATER
- 50 - EXISTING WATER
- 100 - EXISTING WATER
- - - - EXISTING WATER LOT CONNECTION
- G - EXISTING GAS
- [] - EXISTING BUILDING
- [] - EXISTING TREES
- [] - EXISTING POWER POLE
- [W] - EXISTING WATER METER
- [H] - EXISTING HYDRANT



EIGHTY6 ENGINEERING
 88 MANUKAU ROAD
 EPSOM AUCKLAND 1023
 TEL +64 21 267 0466
 EMAIL simon@eighty6.co.nz

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
 EPSOM**

DESCRIPTION:
SITE BASE INFORMATION PLAN

DESIGNED: JW	DATE: 05.04.23	SIGNATURE:	PLOT BY: JW
DRAWN: JW	DATE: 05.04.23	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY DATE:

ISSUE STATUS:
CONSENT ISSUE

PROJECT No: FP210b	SCALES: 1:100-A1 1:200-A3	REV: A
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DRAWING No:
FP210b-10




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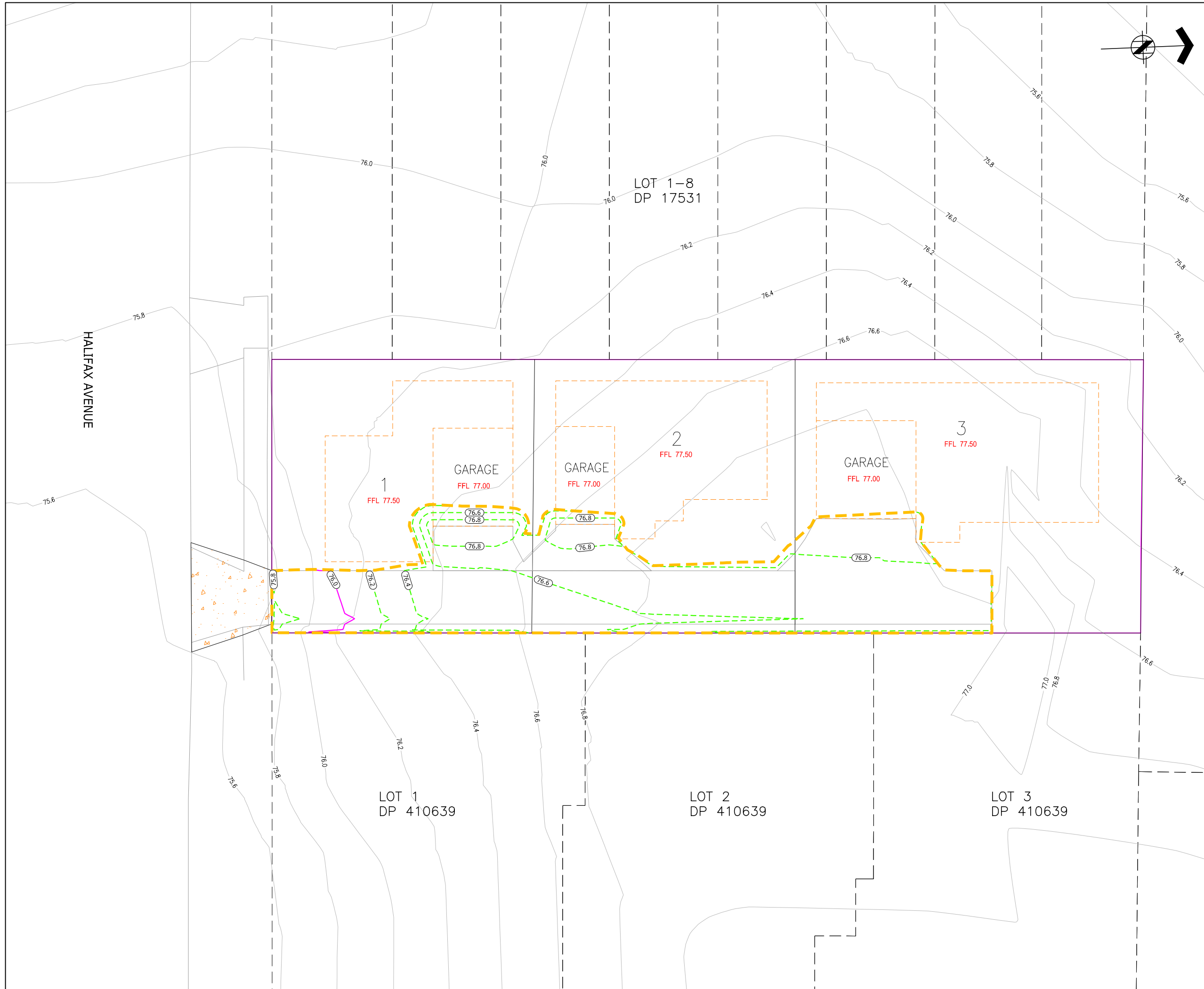


NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS .
2. ALL EROSION AND SEDIMENT CONTROL DEVICES TO BE INSTALLED, AS-BUILT AND INSPECTED BY THE ENGINEER / COUNCIL REPRESENTATIVE PRIOR TO COMMENCING THE EARTHWORKS ON THE SITE.
3. PROPOSED CONTOURS SHOWN ARE FINISHED GROUND LEVELS AT 0.1m INTERVAL.

LEGEND:

-  FINISHED SURFACE SHOWN AT 0.2m INTERVALS
-  EXISTING CONTOURS SHOWN AT 0.2m INTERVALS
-  EARTHWORKS BOUNDARY
-  BUILDING PLATFORM




 86 MANUKAU ROAD
 EPSOM AUCKLAND 1023
 TEL +64 21 267 0466
 EMAIL simon@eighty6.co.nz

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
 EPSOM**

DESCRIPTION:
**EARTHWORKS PLAN
 FINISH CONTOURS**

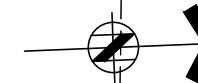
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DRAWN: JW	DATE: 05.04.23	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY DATE:

ISSUE STATUS: **CONSENT ISSUE**

PROJECT No: FP210b	SCALES: 1:100-A1 1:200-A3	REV: A
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DRAWING No:
FP210b-20

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NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS .
2. ALL EROSION AND SEDIMENT CONTROL DEVICES TO BE INSTALLED, AS-BUILT AND INSPECTED BY THE ENGINEER / COUNCIL REPRESENTATIVE PRIOR TO COMMENCING THE EARTHWORKS ON THE SITE.

EARTHWORKS DETAILS - UNADJUSTED:
(NO ALLOWANCE FOR COMPACTION FACTOR/TOPSOIL STRIPPING & ACCESSWAY PAVEMENT CUTTING)

EARTHWORKS AREA: 209m²
CUT: 23m³
FILL: 10m³
NET (CUT): 13m³

LEGEND:

- CUT CONTOURS SHOWN AT -0.2m INTERVALS
- FILL CONTOURS SHOWN AT 0.2m INTERVALS
- EARTHWORKS BOUNDARY

HALIFAX AVENUE

LOT 1-8
DP 17531

1
FFL 77.50

GARAGE
FFL 77.00

GARAGE
FFL 77.00

2
FFL 77.50

GARAGE
FFL 77.00

3
FFL 77.50


FILL

CUT

LOT 1
DP 410639

LOT 2
DP 410639

LOT 3
DP 410639



86 MANUKAU ROAD
EPSOM AUCKLAND 1023
TEL +64 21 267 0466
EMAIL simon@eighty6.co.nz

A	CONSENT ISSUE	JW	17.04.23
REF	DESCRIPTION	BY	DATE

PROJECT:
**2 HALIFAX AVENUE
EPSOM**

DESCRIPTION:
**EARTHWORKS PLAN
CUT FILL**

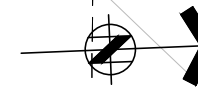
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SX	14.04.23		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	14.04.23		

ISSUE STATUS:
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PROJECT No:	SCALES:	REV:
FP210b	1:100-A1 1:200-A3	A

DRAWING No:
FP210b-21

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NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE OPERATIONAL PRIOR TO ANY OTHER WORKS COMMENCING ON SITE. THE CONTRACTOR SHALL ARRANGE FOR AND ATTEND A PRELIMINARY SEDIMENT CONTROL MEETING ON-SITE WITH THE ENGINEER.
2. A COPY OF THE SEDIMENT CONTROL PLAN SHALL BE AVAILABLE ON THE SITE DURING WORK HOURS AND ALL PERSONNEL INVOLVED IN EARTHWORK ACTIVITIES ON THE SITE (INCLUDING OF SUB-CONTRACTORS) SHALL BE FAMILIAR WITH THE PLAN REQUIREMENTS AS THEY RELATE TO EROSION AND SEDIMENT CONTROL.
3. ALL 'CLEAN WATER' RUNOFF FROM STABILISED SURFACES INCLUDING CATCHMENT AREAS ABOVE THE SITE SHALL BE DIVERTED AWAY FROM EARTHWORK AREAS VIA STABILISED SYSTEM TO PREVENT SURFACE EROSION.
4. ALL EROSION AND SEDIMENT CONTROL SHALL COMPLY WITH THE AUCKLAND COUNCIL 'EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES IN THE AUCKLAND REGION GD05'.
5. THE MAIN SILT CONTROL MEASURES FOR THIS SITE ARE:
 - (I) DIVERSION OF 'CLEAN WATER' FROM THE ABOVE CATCHMENTS AROUND THE EARTHWORKS AREA BY MEANS OF DIVERSION DRAINS, AND/OR OTHER APPROVED METHOD AS DIRECTED BY THE ENGINEER.
 - (II) REMOVAL OF SEDIMENT FROM SILT-LADEN WATERS USING 'SILT FENCES'.
 - (III) THAT THE SITE BE STABILISED AGAINST EROSION AS SOON AS PRACTICABLE AND IN A PROGRESSIVE MANNER AS EARTHWORKS ARE FINISHED OVER VARIOUS AREAS OF THE SITE.
 - (IV) MAINTENANCE OF ALL SEDIMENT CONTROL MEASURES AS REQUIRED.
6. FURTHER SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER AS THE PROJECT ADVANCES. THESE WILL BE INSTALLED AS AND WHERE DIRECTED BY THE ENGINEER. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE SITE HAS EFFECTIVE MEASURES OPERATING AT ALL TIMES.
7. CONTRACTOR TO PROTECT ALL EXISTING INFRASTRUCTURE DURING ALL PHASES OF CONSTRUCTION. CONTRACTOR TO LOCATE AND VERIFY ALL EXISTING SERVICES PRIOR TO CONSTRUCTION.



86 MANUKAU ROAD
EPSOM AUCKLAND 1023
TEL +64 21 267 0466
EMAIL simon@eighty6.co.nz

EIGHTY6 ENGINEERING

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
EPSOM**

DESCRIPTION:
SEDIMENT AND EROSION CONTROL

DESIGNED: JW	DATE: 05.04.23	SIGNATURE:	PLOT BY: JW
DRAWN: JW	DATE: 05.04.23	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
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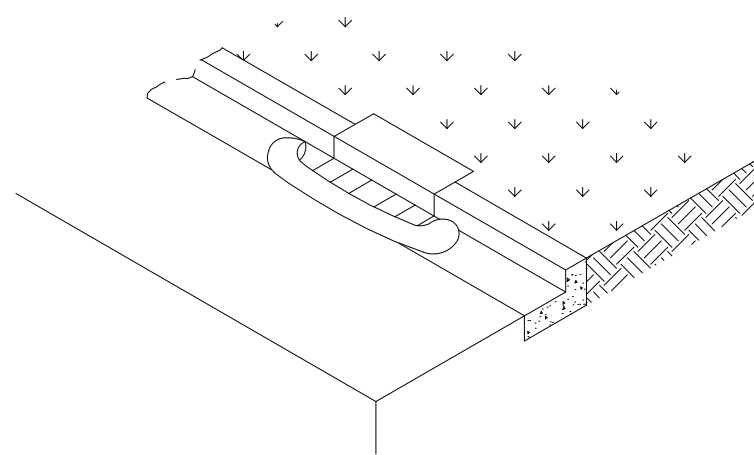
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PROJECT No: FP210b	SCALES: 1:100-A1 1:200-A3	REV: A
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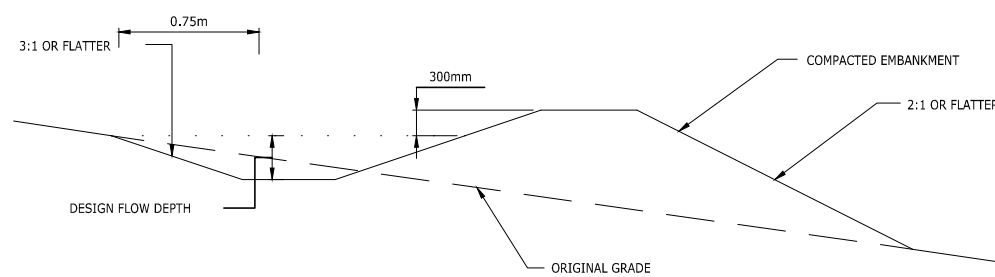
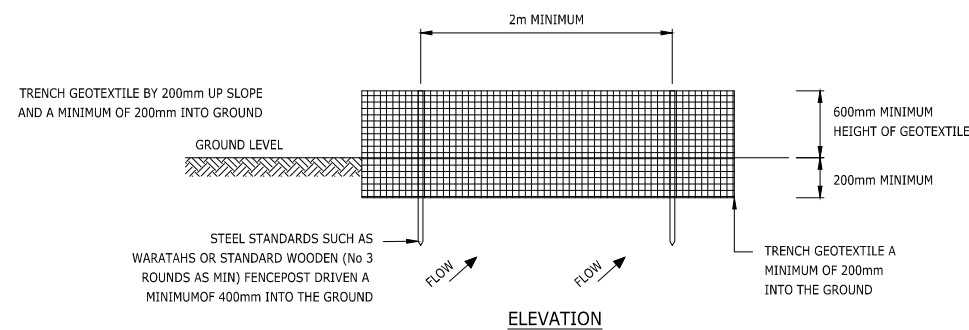
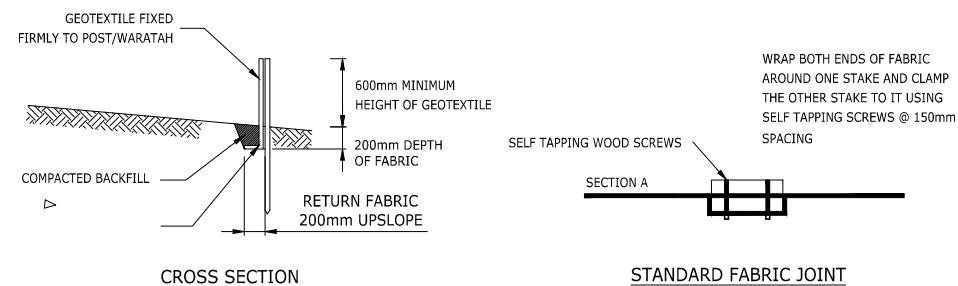
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FP210b-22

LEGEND:

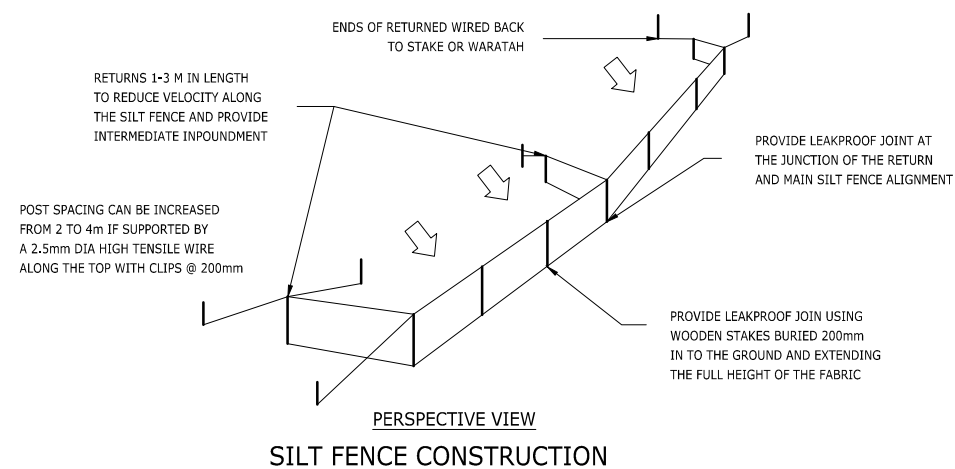
- STABILISED ENTRY
- EXISTING CONTOURS
- SILT FENCE
- CATCHMENT BOUNDARY
- CLEAN WATER DIVISION BUND



STORMWATER INLET PROTECTION - FILTER MEDIA DESIGN



RUNOFF DIVERSION BUND - CROSS SECTION



**PERSPECTIVE VIEW
SILT FENCE CONSTRUCTION**

EIGHTY6 ENGINEERING
 86 MANUKAU ROAD
 EPSOM AUCKLAND 1023
 TEL +64 21 267 0466
 EMAIL eighty6nz@gmail.com

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A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
 EPSOM**

DESCRIPTION:
**SEDIMENT AND EROSION CONTROL
 STANDARD DETAILS**

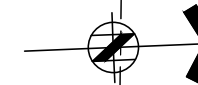
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CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	17.04.23		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	17.04.23		

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PROJECT No: FP210b SCALES: N.T.S REV: **A**

DRAWING No:
FP210b-29







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NOTES:

1. REFER TO DRAWING DWG-31 FOR COMMON ACCESSWAY LONGITUDINAL SECTION DETAILS
2. REFER TO DRAWING DWG-32 FOR COMMON ACCESSWAY TYPICAL CROSS SECTION DETAILS.
3. CONCRETE FINISH DETAILS REFER TO LANDSCAPING PLANS.
4. CONCRETE EXPANSION JOINT CUTTING:
 - CUTTING DEPTH TO BE 1/4 OF CONCRETE THICKNESS.
 - AREA TO BE LESS THAN 20m²

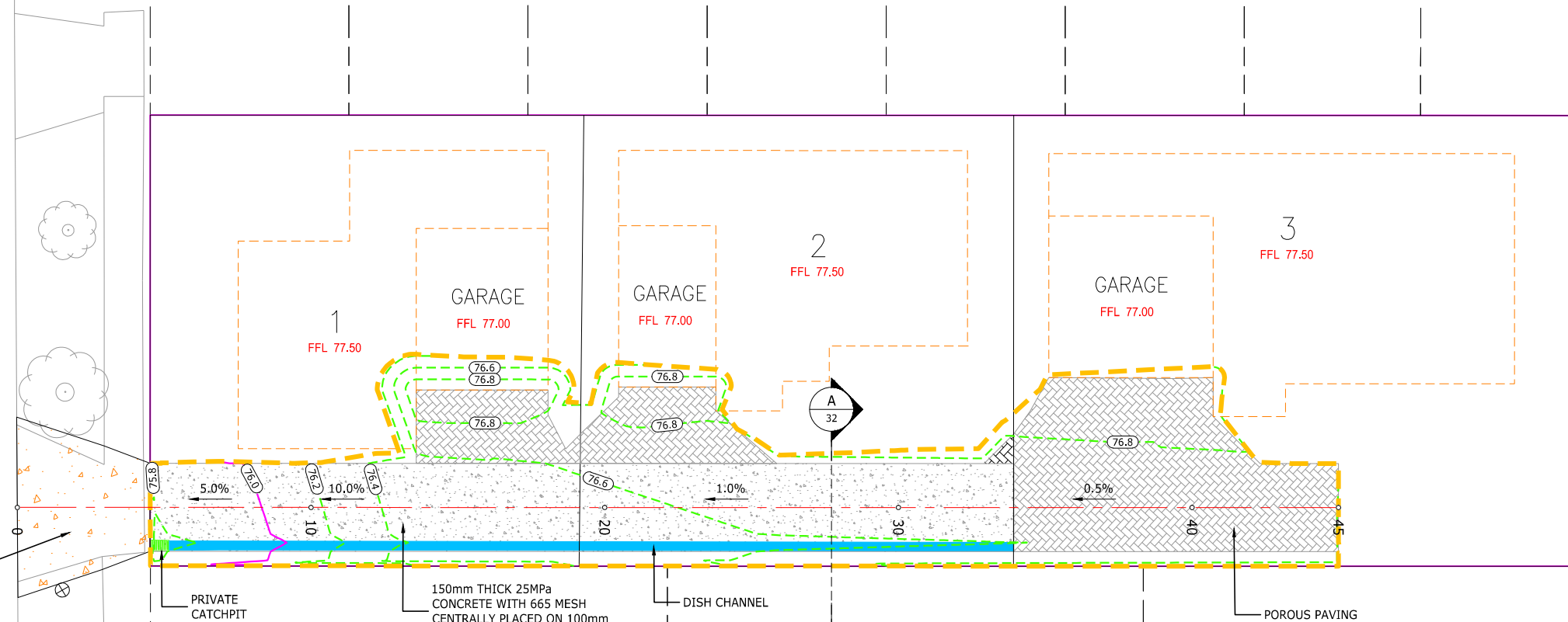
LEGEND:

-  VEHICLE CROSSING
-  ACCESSWAY CONCRETE
-  POROUS PAVING
-  DISH CHANNEL
-  PROPOSED PRIVATE CATCHPIT
-  EARTHWORKS BOUNDARY

LOT 1-8
DP 17531

HALIFAX AVENUE

EXISTING VEHICLE CROSSING
TO BE UPGRADED, DETAILS
REFER TO TDM-VX103



PRIVATE CATCHPIT

150mm THICK 25MPa
CONCRETE WITH 665 MESH
CENTRALLY PLACED ON 100mm
COMPACTED AP40

DISH CHANNEL

POROUS PAVING

LOT 1
DP 410639

LOT 2
DP 410639

LOT 3
DP 410639



86 MANUKAU ROAD
EPSOM AUCKLAND 1023
TEL +64 21 267 0466
EMAIL simon@eighty6.co.nz

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
EPSOM**

DESCRIPTION:
**COMMON ACCESSWAY
LAYOUT DETAILS**

DESIGNED: JW	DATE: 05.04.23	SIGNATURE:	PLOT BY: JW
DRAWN: JW	DATE: 05.04.23	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
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ISSUE STATUS:
CONSENT ISSUE



PROJECT No: FP210b	SCALES: 1:100-A1 1:200-A3	REV: A
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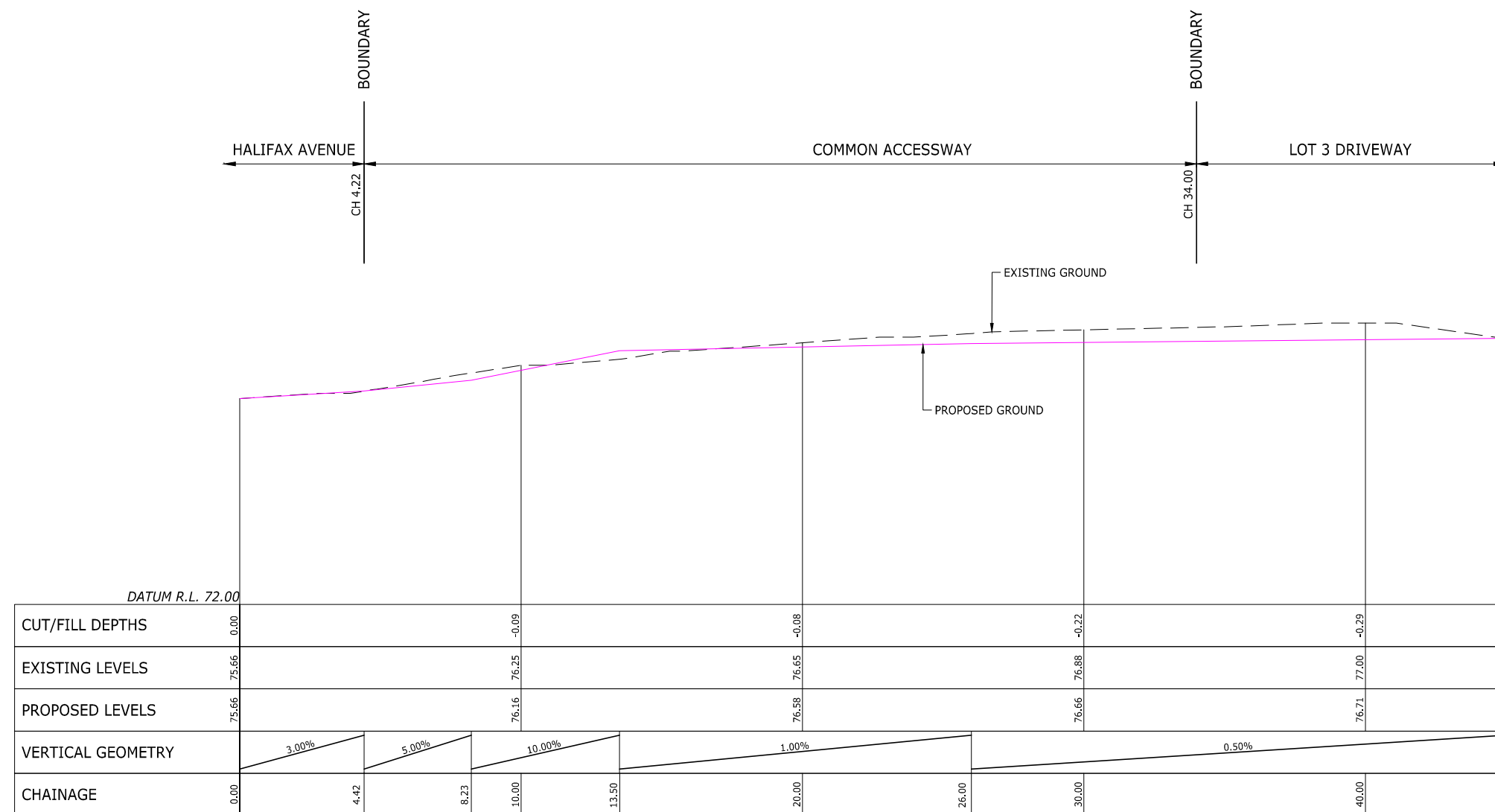
DRAWING No:
FP210b-30

NOTES:

1. REFER TO DRAWING FP210b-32 FOR COMMON DRIVEWAY CROSS SECTION DETAILS.
2. CONCRETE FINISH DETAILS REFER TO LANDSCAPING PLANS.

LEGEND:

-  INDICATES FINISHED GROUND SURFACE
-  INDICATES EXISTING GROUND SURFACE



COMMON ACCESSWAY
LONGSECTION BETWEEN 0.00 AND 44.98

 88 MANUKAU ROAD
EPSOM AUCKLAND 1023
TEL +64 21 267 0466
EMAIL simon@eighty6.co.nz

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
EPSOM**

DESCRIPTION:
**COMMON ACCESSWAY
LONGITUDINAL SECTION**

DESIGNED: JW	DATE: 05.04.23	SIGNATURE:	PLOT BY: JW
DRAWN: JW	DATE: 05.04.23	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
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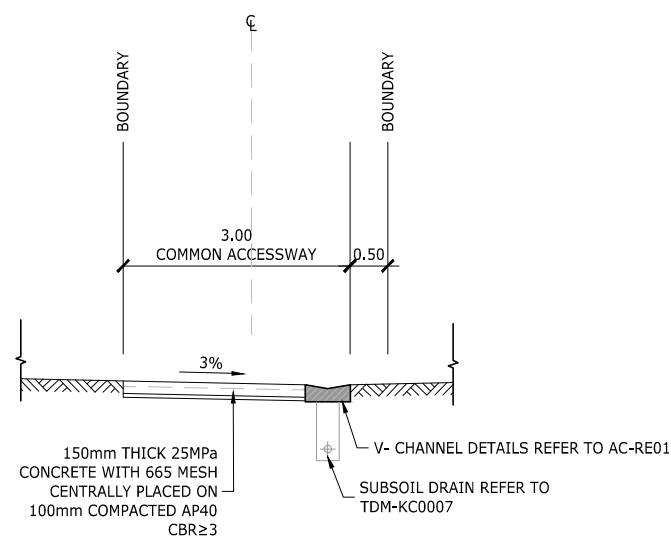
ISSUE STATUS:
CONSENT ISSUE

PROJECT No: FP210b	SCALES: 1:100H 1:50V-A1 1:200H 1:100V-A3	REV: A
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DRAWING No:
FP210b-31

NOTES:

1. CONCRETE FINISH DETAILS REFER TO LANDSCAPING PLANS.



A COMMON ACCESSWAY CROSS SECTION A
 30 SCALE 1:50-A1 1:100-A3

EIGHTY6 ENGINEERING
 86 MANUKAU ROAD
 EPSOM AUCKLAND 1023
 TEL +64 21 267 0466
 EMAIL simon@eighty6.co.nz

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PROJECT:
**2 HALIFAX AVENUE
 EPSOM**

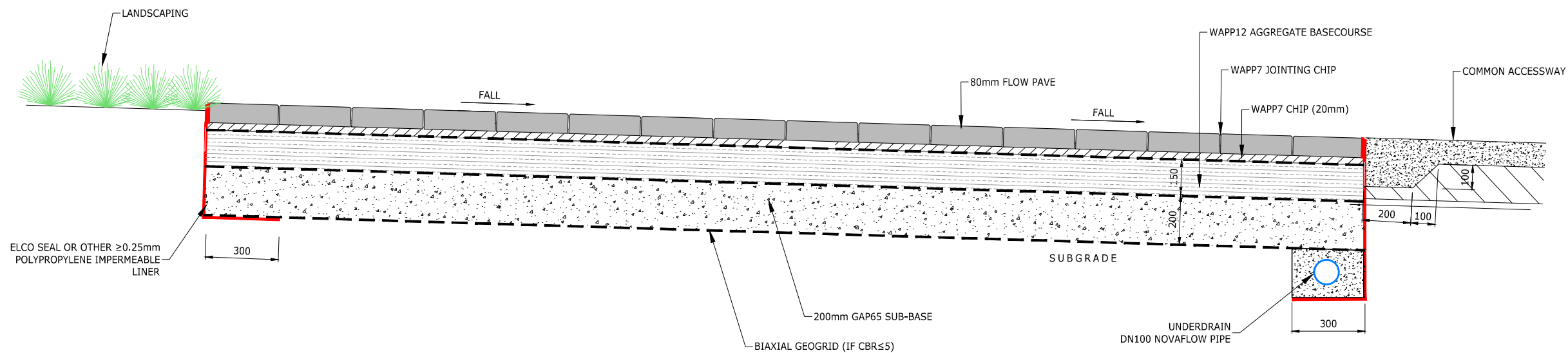
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**COMMON ACCESSWAY
 TYPICAL CROSS SECTIONS**

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CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY DATE:

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PROJECT No: FP210b SCALES: AS SHOWN REV: **A**

DRAWING No:
FP210b-32



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 86 MANUKAU ROAD
 EPSOM AUCKLAND 1023
 TEL +64 21 267 0466
 EMAIL simon@eighty6.co.nz

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**2 HALIFAX AVENUE
 EPSOM**

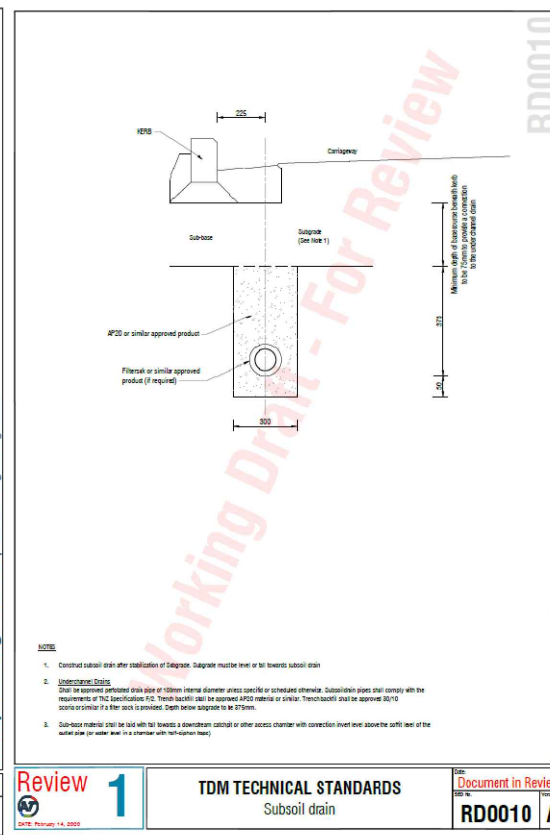
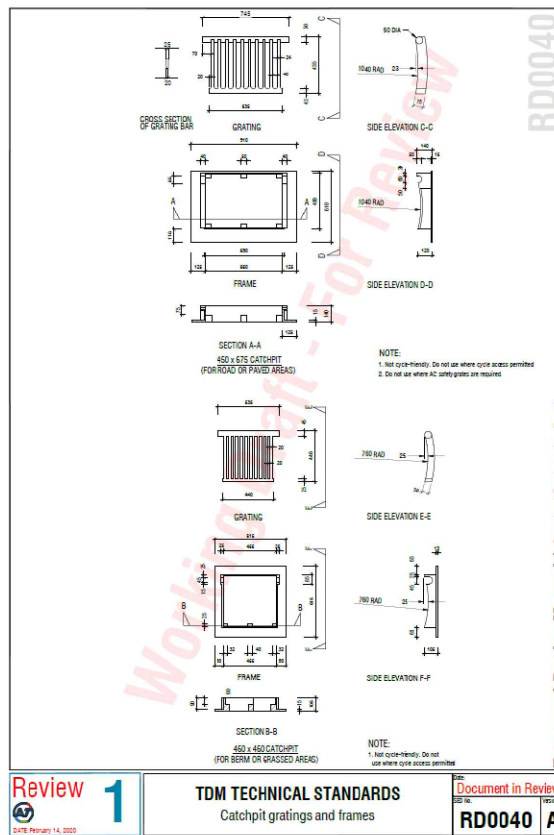
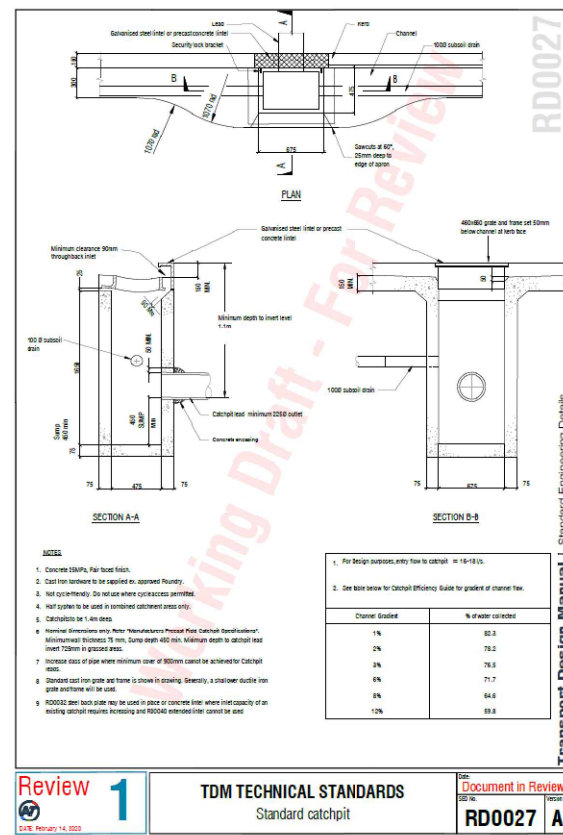
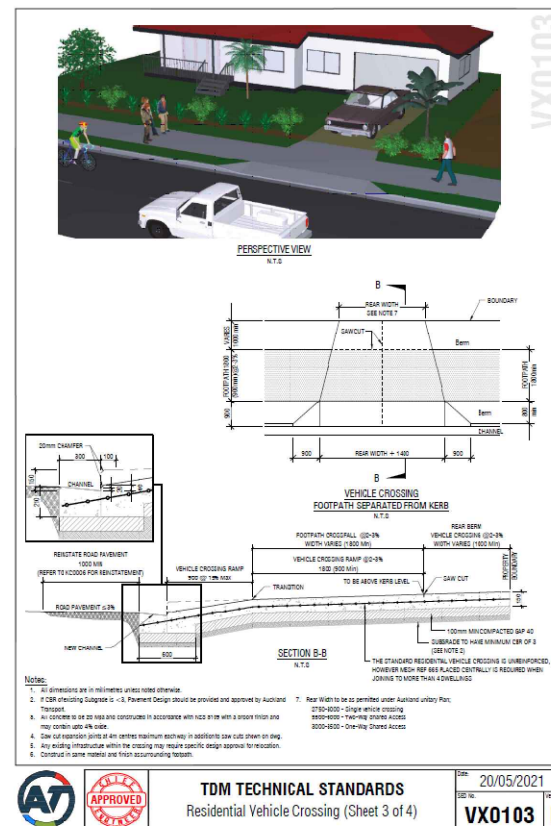
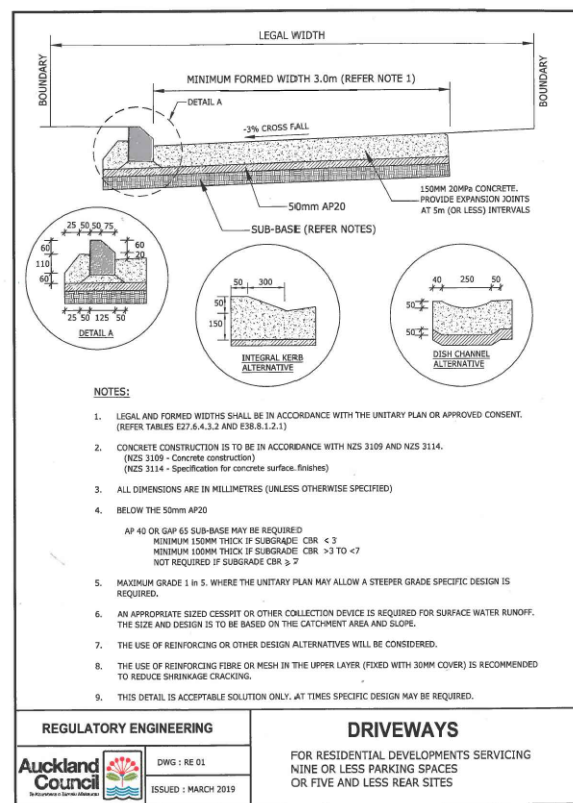
DESCRIPTION:
POROUS PAVING DETAILS

DESIGNED: JW	DATE: 05.04.23	SIGNATURE:	PLOT BY: JW
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CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
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ISSUE STATUS: **CONSENT ISSUE**

PROJECT No: FP210b	SCALES: N.T.S	REV: A
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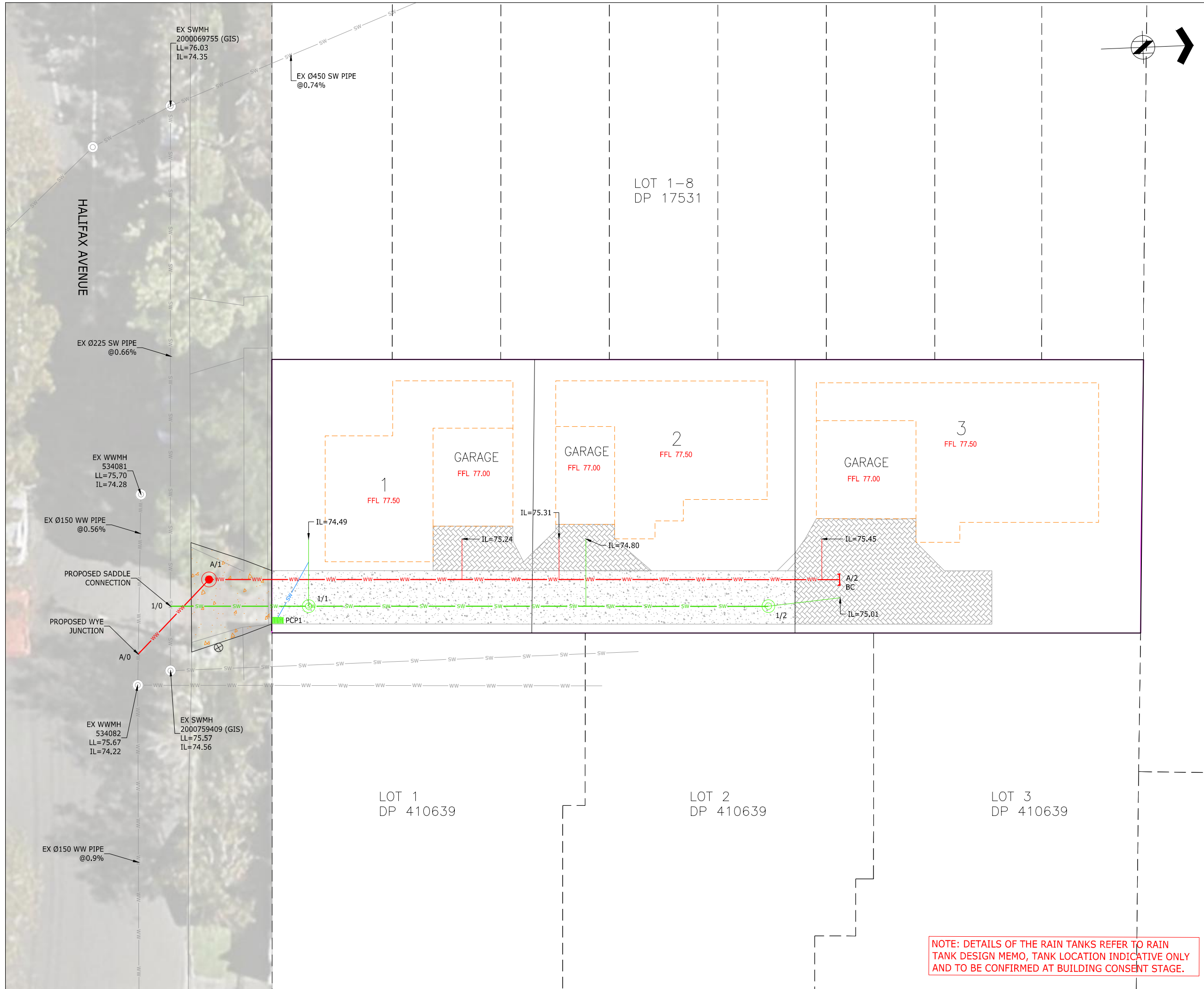
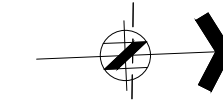
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FP210b-33



EIGHTY6 ENGINEERING
 86 MANUKAU ROAD
 EPSOM AUCKLAND 1023
 TEL: +64 21 267 0466
 EMAIL: eighty6nz@gmail.com

A	CONSENT ISSUE	JW	17.04.23
REF	DESCRIPTION	BY	DATE
PROJECT:			
2 HALIFAX AVENUE EPSOM			
DESCRIPTION:			
AT CoP (TDM) STANDARD DETAILS			
DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	05.04.23		JW
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	05.04.23		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	17.04.23		
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FP210b			
DRAWING No:			
FP210b-39			

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NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH RELEVANT COUNCIL ENGINEERING STANDARDS.
2. ALL WORKS ON EXISTING STORMWATER, WASTEWATER LINES AND WATERMANS TO BE CARRIED OUT BY AN APPROVED LICENSED CONTRACTOR AT DEVELOPER'S EXPENSE.
3. CONTRACTOR TO LOCATE / MARK AND CONFIRM ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORK ON SITE AND PROTECTION OF SAME.
4. ALL STORMWATER PIPES SHALL BE CLASS 4 REINFORCED CONCRETE RUBBER RING JOINTED (RCRRJ) UNLESS SHOWN OTHERWISE.
5. ALL MANHOLES SHALL BE DN 1050 RC WITH HEAVY DUTY LIDS AND CAST IRON COVERS WITH HEAVY DUTY LIDS BEING USED IN PAVEMENT AREAS, UNLESS SHOWN OTHERWISE.
6. ALL PROPOSED LOT CONNECTIONS SHALL BE DN100, UNLESS SHOWN OTHERWISE AND ARE DIMENSIONED FROM THE DOWNSTREAM MANHOLE.
7. BEDDING TO COMPLY WITH RELEVANT COUNCIL DETAILS.
8. GAP65 HARDFILL BACKFILL ALL PIPE CROSSINGS BELOW CARRIAGEWAY/TRAFFIC AREAS 1.0m BEYOND LIMIT OF CARRIAGEWAY.
9. HARDFILL BACKFILL 1.0m EITHER SIDE OF PIPE CROSSOVERS.
10. ALL PIPE CROSSING WITH LESS THAN 150mm TO BE POLYSTYRENE PACKED (30Kg/m²) AND HARDFILL BACKFILLED.
11. RAIN TANK DETAILS TO BE PROVIDED AT BUILDING CONSENT STAGE.

LEGEND:

- ww- EXISTING WASTEWATER
- sw- EXISTING STORMWATER
- sw- PROPOSED PRIVATE STORMWATER
- ww- PROPOSED WASTEWATER
- PROPOSED PRIVATE CATCHPIT

EIGHTY6 ENGINEERING
 86 MANUKAU ROAD
 EPSOM AUCKLAND 1023
 TEL +64 21 267 0466
 EMAIL simon@eighty6.co.nz

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
 EPSOM**

DESCRIPTION:
DRAINAGE LAYOUT PLAN

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	05.04.23		JW
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	05.04.23		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	14.04.23		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	14.04.23		

ISSUE STATUS:
CONSENT ISSUE

PROJECT No:	SCALES:	REV:
FP210b	1:100-A1 1:200-A3	A

DRAWING No:
FP210b-40

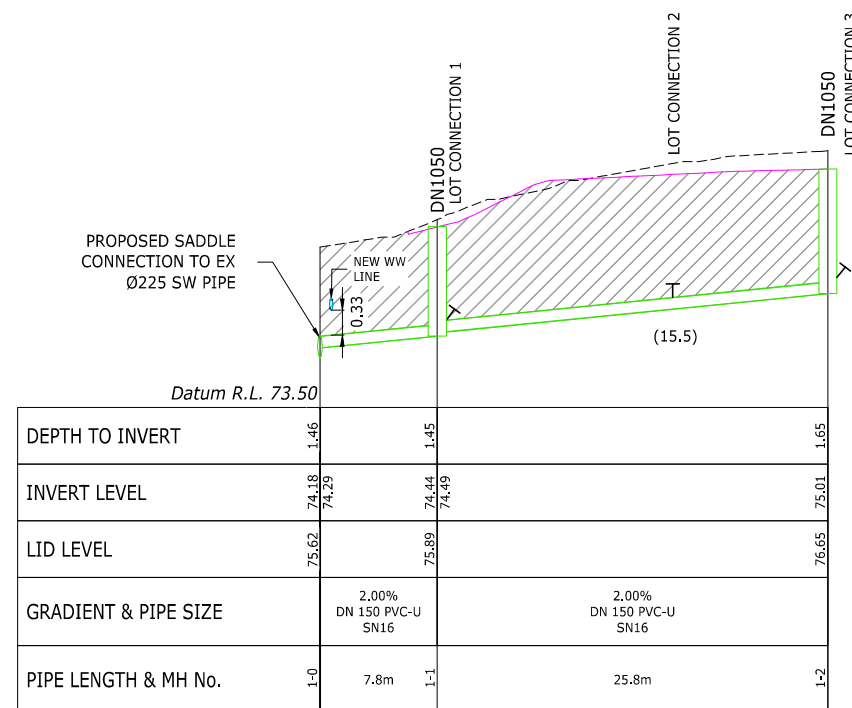
NOTE: DETAILS OF THE RAIN TANKS REFER TO RAIN TANK DESIGN MEMO, TANK LOCATION INDICATIVE ONLY AND TO BE CONFIRMED AT BUILDING CONSENT STAGE.

NOTES:

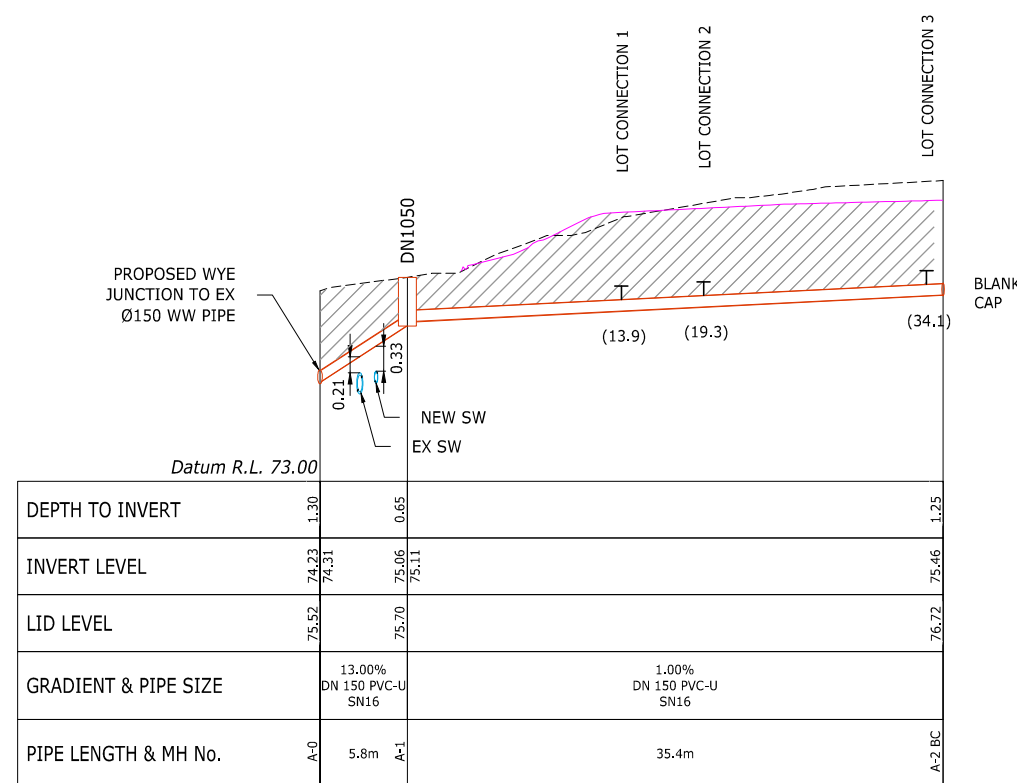
1. STORMWATER CATCHMENT PLAN (10 YEAR STORM) REFER TO DRAWING 42.
2. WASTEWATER CATCHMENT PLAN REFER TO DRAWING 43.
3. FOR STORMWATER ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE.
4. FOR WASTEWATER ALL WORKS AND MATERIALS TO COMPLY WITH WATERCARE AND AUCKLAND COUNCIL CODE OF PRACTICE.

LEGEND:

- INDICATES FINISHED GROUND SURFACE
- INDICATES EXISTING GROUND SURFACE
- HARDFILL BACKFILL



SW LINE 1



WW LINE A

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 88 MANUKAU ROAD
 EPSOM AUCKLAND 1023
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REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
 EPSOM**

DESCRIPTION:
**STORMWATER AND WASTEWATER
 LONGITUDINAL SECTIONS**

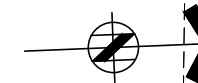
DESIGNED: JW	DATE: 05.04.23	SIGNATURE:	PLOT BY: JW
DRAWN: JW	DATE: 05.04.23	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY DATE:

ISSUE STATUS:
CONSENT ISSUE




PROJECT No: FP210b	SCALES: 1:250H 1:50V-A1 1:500H 1:100V-A3	REV: A
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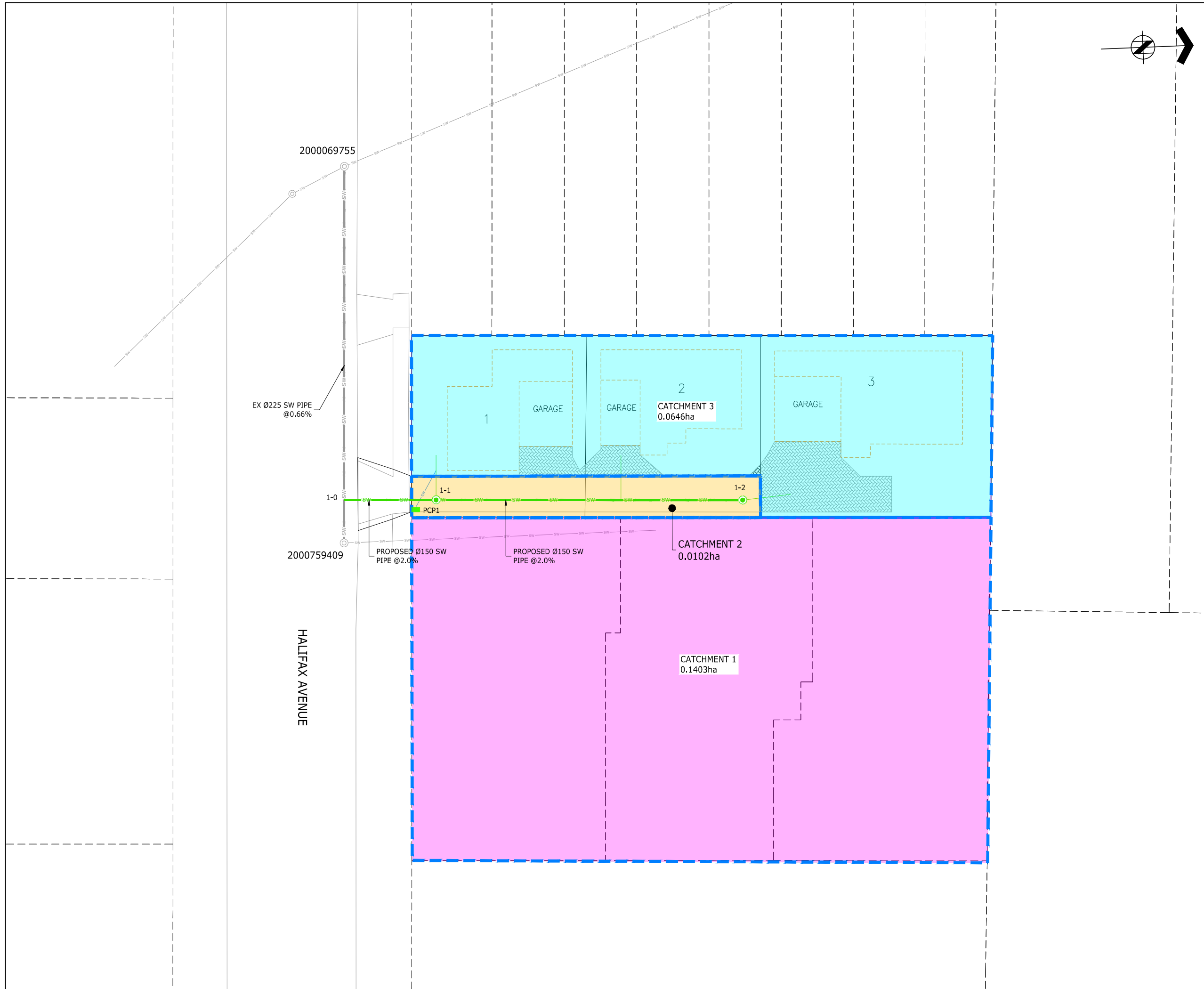
DRAWING No:
FP210b-41

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LEGEND:

-  EXISTING STORMWATER
-  PROPOSED STORMWATER
-  CATCHMENT BOUNDARY




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 EPSOM AUCKLAND 1023
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 EMAIL simon@eighty6.co.nz

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
 EPSOM**

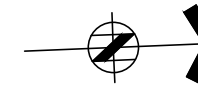
DESCRIPTION:
STORMWATER CATCHMENT PLAN

DESIGNED: JW	DATE: 05.04.23	SIGNATURE:	PLOT BY: JW
DRAWN: JW	DATE: 05.04.23	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY DATE:

ISSUE STATUS: **CONSENT ISSUE**

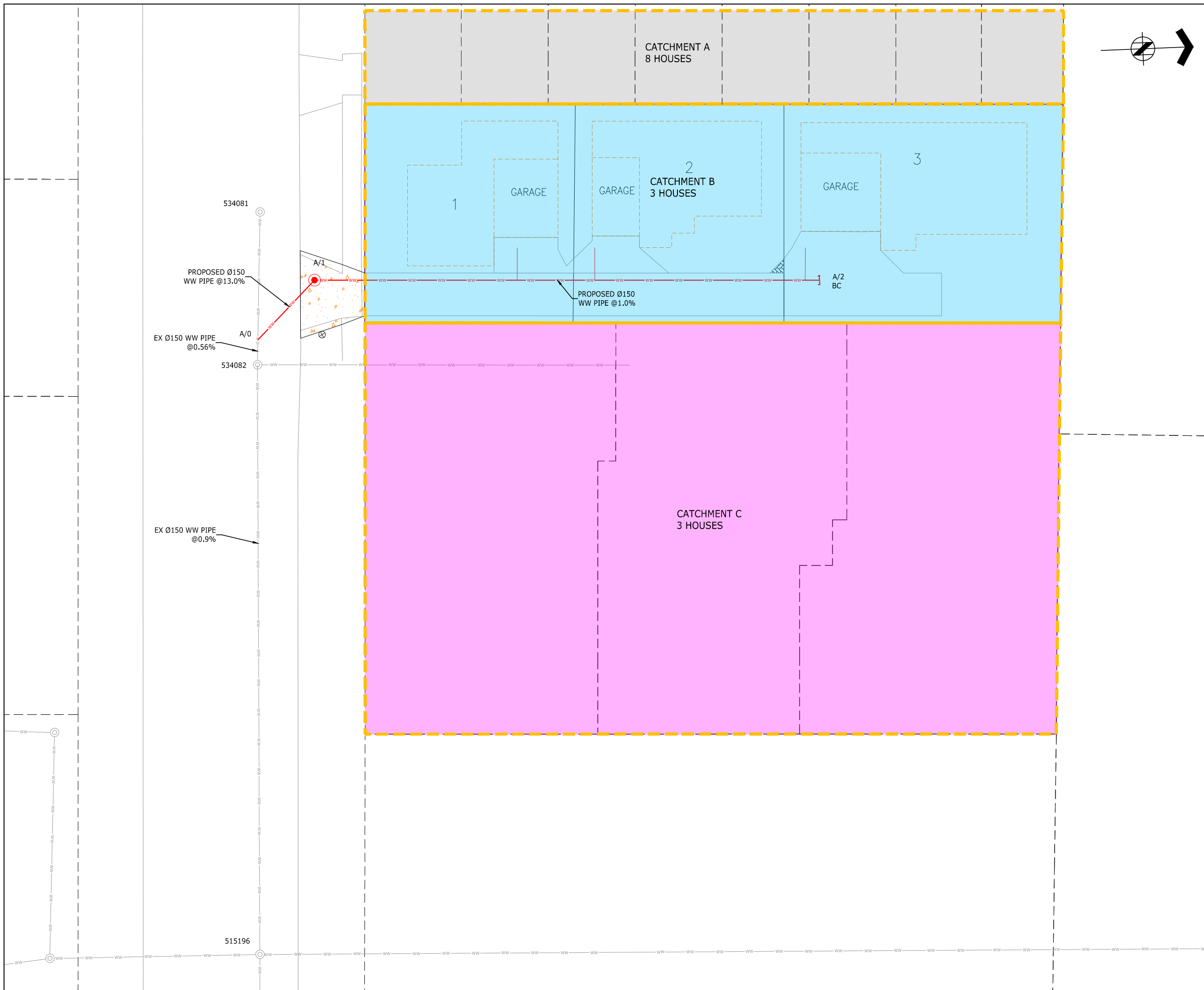
PROJECT No: FP210b	SCALES: 1:150-A1 1:300-A3	REV: A
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DRAWING No:
FP210b-42



LEGEND:

- EXISTING WASTEWATER
- PROPOSED WASTEWATER
- CATCHMENT BOUNDARY




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REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
EPSOM**

DESCRIPTION:
WASTEWATER CATCHMENT PLAN

DESIGNED: JW	DATE: 05.04.23	SIGNATURE:	PLOT BY: JW
DRAWN: JW	DATE: 05.04.23	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY DATE:

ISSUE STATUS: **CONSENT ISSUE**







PROJECT No: FP210b	SCALES: 1:125-A1 1:250-A3	REV: A
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DRAWING No:
FP210b-43

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LEGEND:

-  PROPOSED SURFACE WATER FLOW DIRECTION
-  EXISTING SURFACE WATER FLOW DIRECTION
-  EARTHWORKS BOUNDARY
-  EXISTING CONTOURS SHOWN AT 0.2m INTERVALS
-  EXISTING CONTOURS SHOWN AT 0.2m INTERVALS
-  OVERLAND FLOW PATH


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 EPSOM AUCKLAND 1023
 TEL +64 21 267 0466
 EMAIL simon@eighty6.co.nz

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
 EPSOM**

DESCRIPTION:
**EXISTING OVERLAND FLOW PATH
 AND 100YR FLOOD PLAIN**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	05.04.23		JW
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	05.04.23		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	14.04.23		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	14.04.23		

ISSUE STATUS: **CONSENT ISSUE**

PROJECT No:	SCALES:	REV:
FP210b	1:100-A1 1:200-A3	A

DRAWING No:
FP210b-45

MAXIMUM 100 YEAR FLOOD LEVEL = RL 76.47 (SOURCE FROM AUCKLAND COUNCIL GEOMAPS UNDERTAKEN BY AECOM 2016)

ON 27th JANUARY 2023
 MAXIMUM FLOOD LEVEL = RL 76.93m (SOURCE FROM SITE OBSERVATION)

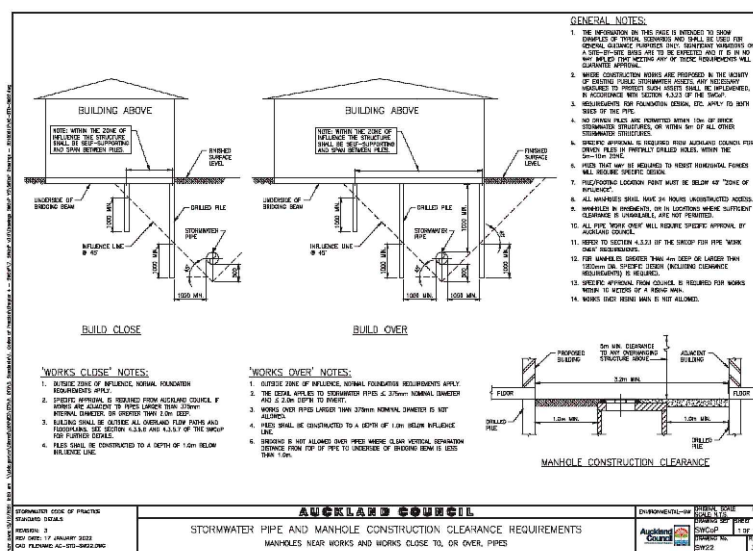
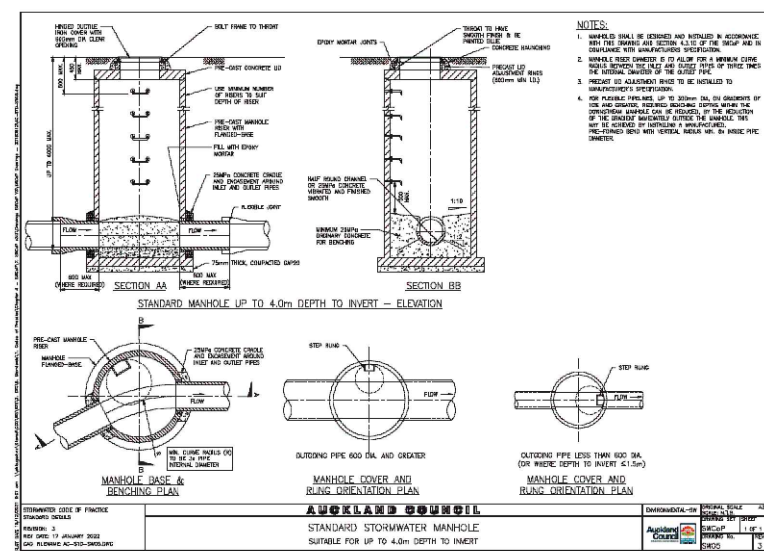
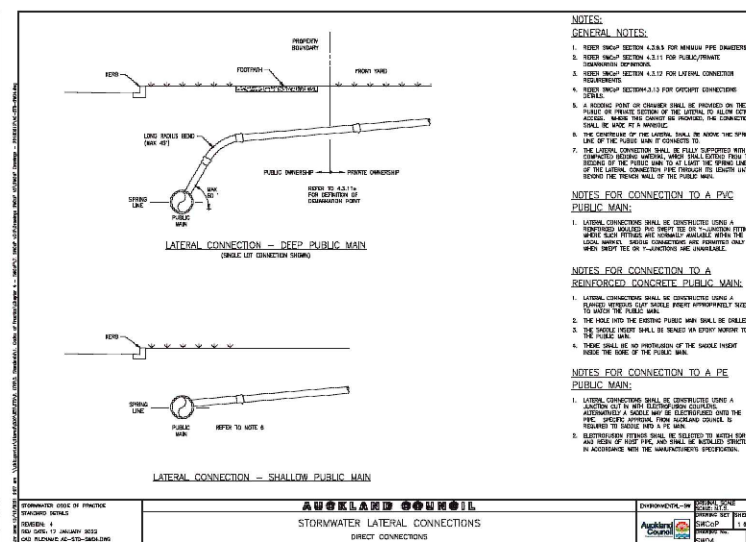
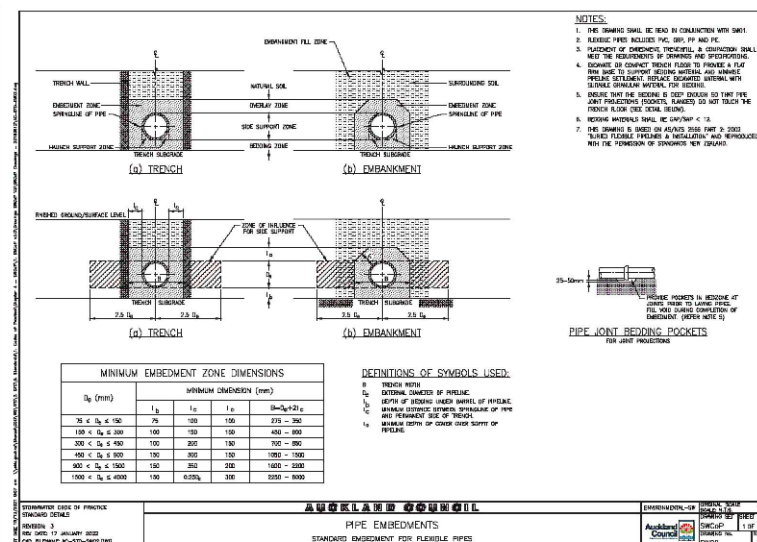
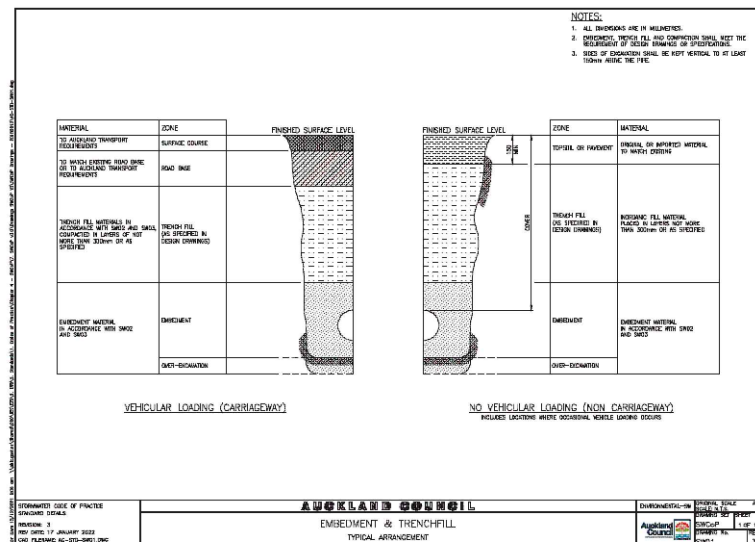
LOT 1
 DP 410639

LOT 2
 DP 410639

LOT 3
 DP 410639

LOT 1-8
 DP 17531

HALIFAX AVENUE



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86 MANUKAU ROAD
EPSOM AUCKLAND 1023
TEL +64 21 267 0466
EMAIL eighty6nz@gmail.com

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT: 2 HALIFAX AVENUE EPSOM

DESCRIPTION: STORMWATER STANDARD DETAILS

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	05.04.23		JW

DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	05.04.23		

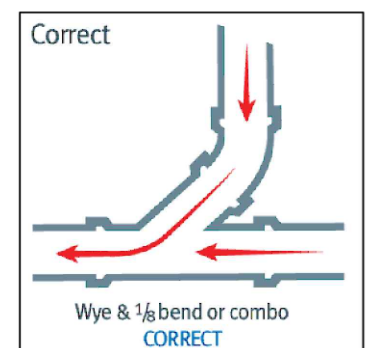
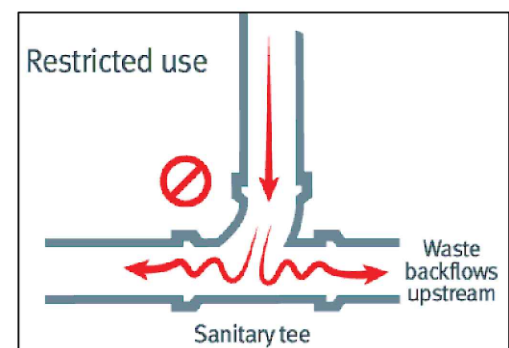
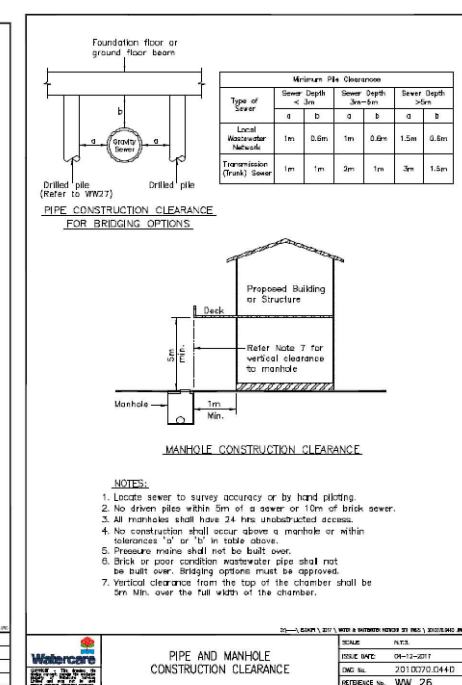
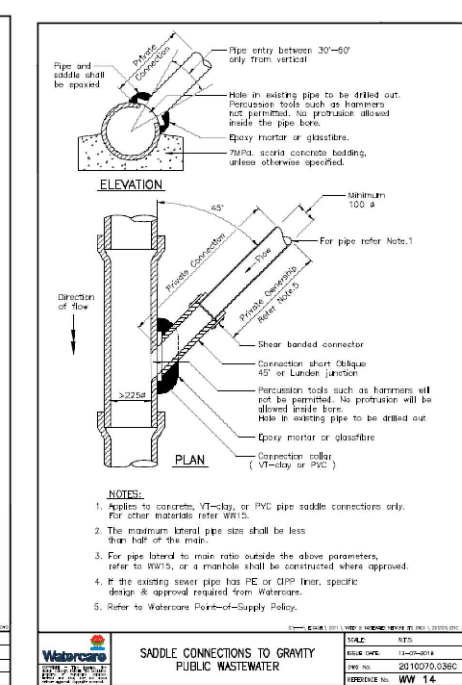
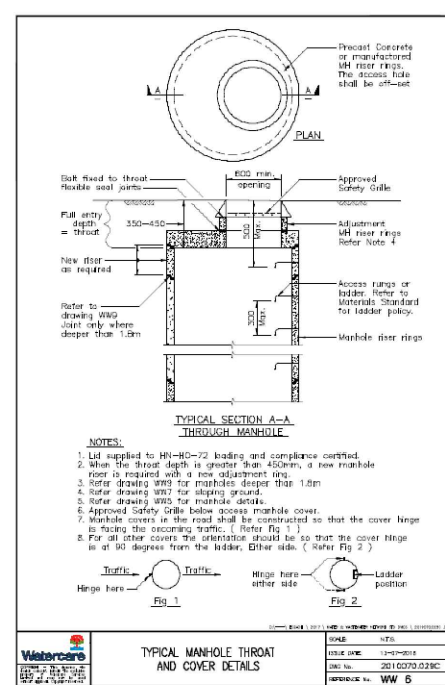
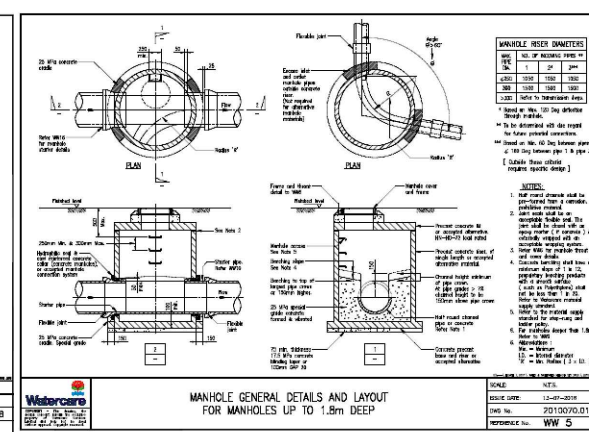
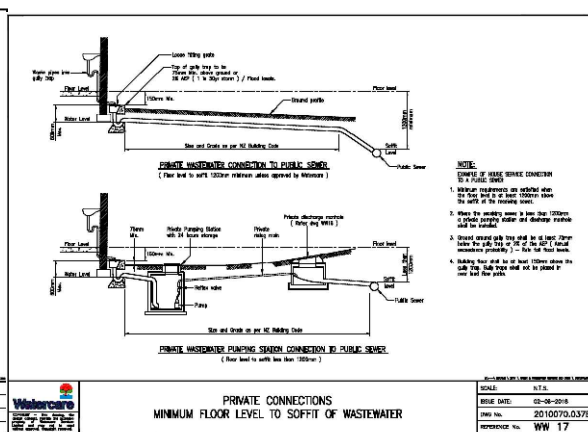
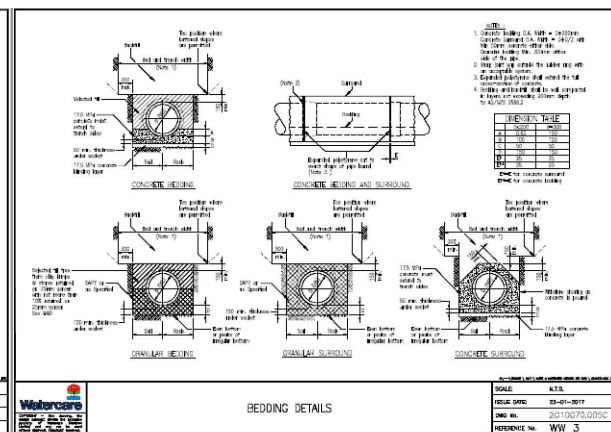
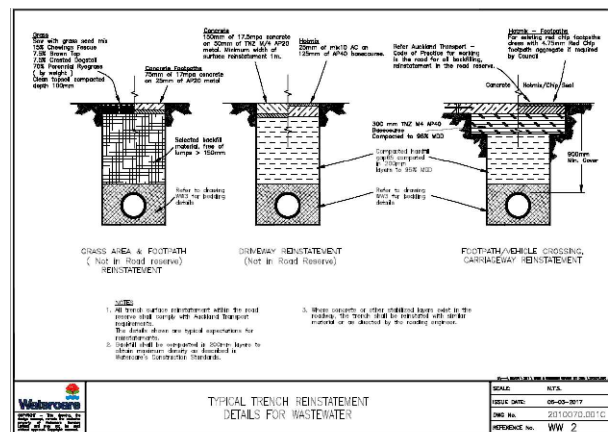
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	17.04.23		

APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	17.04.23		

ISSUE STATUS: CONSENT ISSUE

PROJECT No: FP210b SCALES: N.T.S REV: A

DRAWING No: FP210b-48



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86 MANUKAU ROAD
 EPSOM AUCKLAND 1023
 TEL: +64 21 267 0466
 EMAIL: eighty6nz@gmail.com

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
 EPSOM**

DESCRIPTION:
WASTEWATER STANDARD DETAILS

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	05.04.23		JW
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	05.04.23		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	17.04.23		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	17.04.23		

ISSUE STATUS:
CONSENT ISSUE

PROJECT No: FP210b	SCALES: N.T.S	REV: A
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DRAWING No:
FP210b-49

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NOTES:

1. ALL WATERMAIN MATERIAL AND WORKS TO WATERCARE CODE OF PRACTICE.
2. ALL UTILITY SERVICES MATERIAL AND WORKS SHALL BE TO RELEVANT UTILITY SERVICE PROVIDER STANDARD AND SPECIFICATION.
3. CONTRACTOR TO LOCATE AND PROTECT ALL SERVICES IN THE WORKS AREA AT ALL TIMES DURING WORKS PERIOD.
4. ALL DUCTILE IRON FITTINGS SHALL HAVE A PROTECTIVE THERMALLY BONDED POLYMERIC COATING OF RILSAN NYLON 11 OR PLASCOAT PPA 571 APPLIED IN ACCORDANCE WITH NZS/AS 4158:1996 ON INSIDE AND OUTSIDE OF FITTINGS.
5. SHALLOW PROPOSED SERVICE DUCTS WHERE CROSSING OTHER SERVICES (DRAINAGE, WATERMAIN) SHALL BE CONCRETE CAPPED.
6. WATER METER BANKS ARE NOT REQUIRED AS PART OF EPA.

LEGEND:

-  EXISTING WATERMAIN
-  EXISTING WATERMAIN
-  PROPOSED WATER METER BANK
-  PROPOSED WATER CONNECTION
-  STAGE BOUNDARY
-  PROPOSED 63mm OD PE

NOTE: WATER METER BANK LOCATION INDICATIVE ONLY AND TO BE APPLIED FOR AND INSTALLED AS PART OF THE WATER METER APPLICATION TO WATERCARE.

LOT 1-8
DP 17531

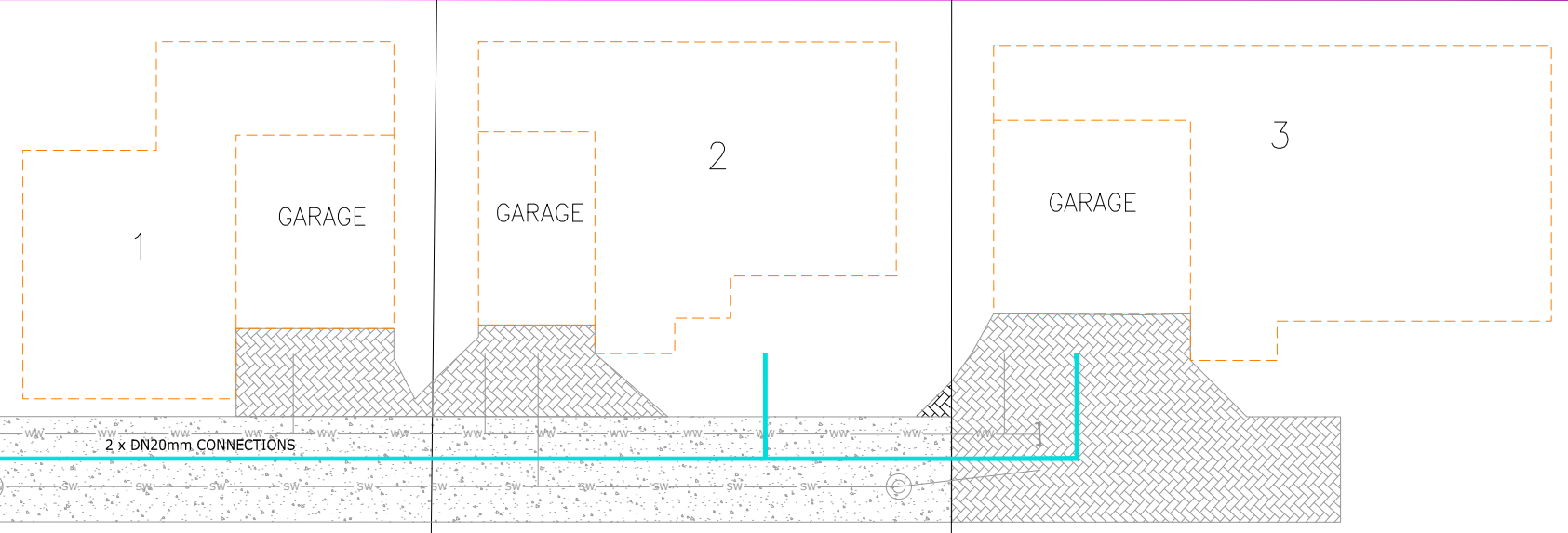
HALIFAX AVENUE

EXISTING WATER METER AND CONNECTION TO BE RETAINED FOR LOT 1, WATER METER TO BE RELOCATED TO THE OUTSIDE OF THE BOUNDARY

LOT 1
DP 410639

LOT 2
DP 410639

LOT 3
DP 410639



 **EIGHTY6 ENGINEERING**
 86 MANUKAU ROAD
 EPSOM AUCKLAND 1023
 TEL +64 21 267 0466
 EMAIL simon@eighty6.co.nz

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
EPSOM**

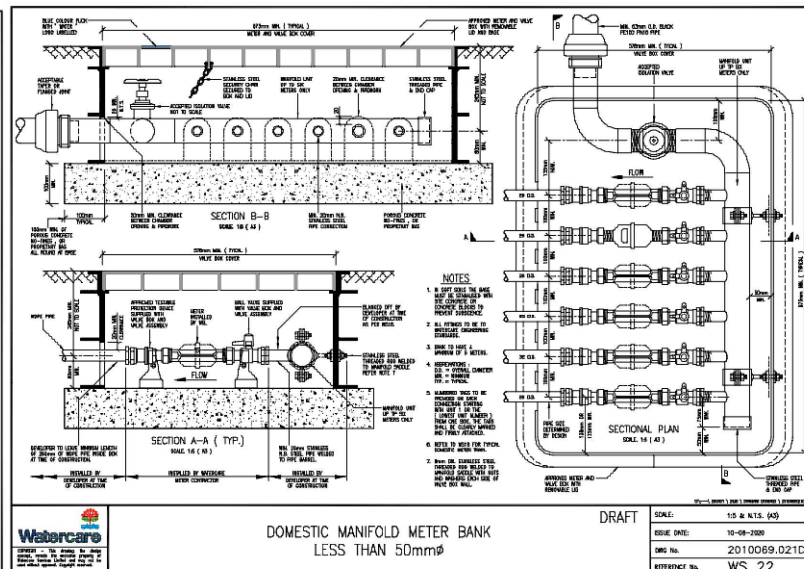
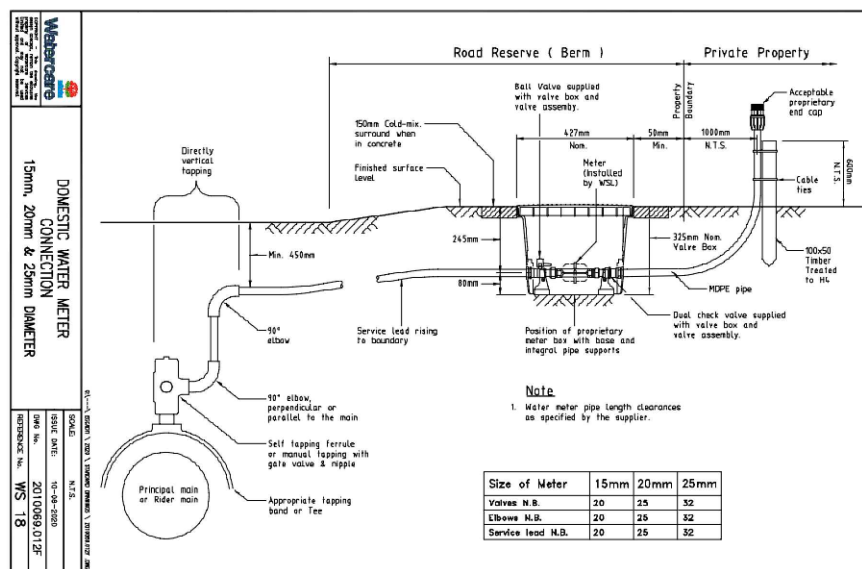
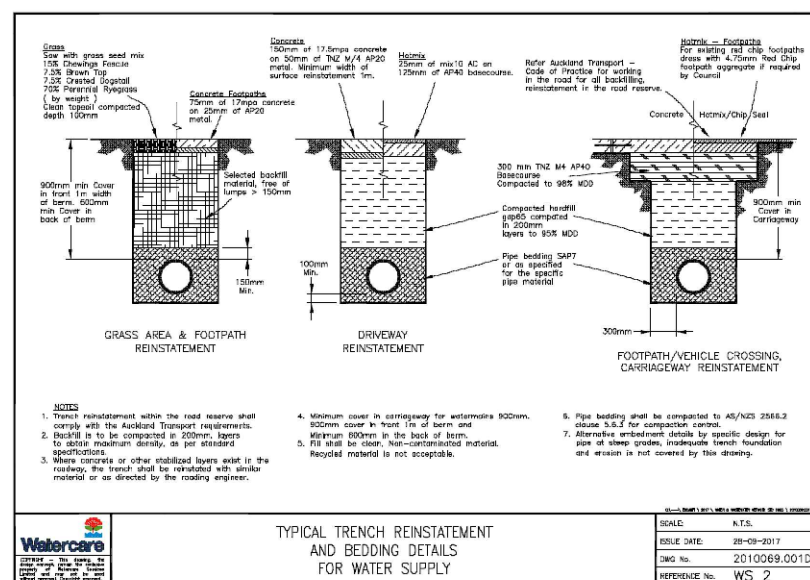
DESCRIPTION:
WATER PLAN

DESIGNED: JW	DATE: 05.04.23	SIGNATURE:	PLOT BY: JW
DRAWN: JW	DATE: 05.04.23	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY DATE:

ISSUE STATUS:
CONSENT ISSUE

PROJECT No: FP210b	SCALES: 1:100-A1 1:200-A3	REV: A
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DRAWING No:
FP210b-50



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EPSOM AUCKLAND 1023
TEL +64 21 267 0466
EMAIL eighty6nz@gmail.com

A	CONSENT ISSUE	JW	17.04.23
REF	DESCRIPTION	BY	DATE

PROJECT:

**2 HALIFAX AVENUE
EPSOM**

DESCRIPTION:

WATER STANDARD DETAILS

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	05.04.23		JW
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	05.04.23		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	17.04.23		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	17.04.23		

ISSUE STATUS: **CONSENT ISSUE**

PROJECT No:	SCALE: N.T.S	REV: A
FP210b		

DRAWING No:

FP210b-59

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NOTES:

1. NUMBER AND DIAMETERS OF POWER DUCTS TO BE CONFIRMED BY VECTOR (POWER).
2. NUMBER AND DIAMETERS OF TELECOMMUNICATIONS DUCTS TO BE CONFIRMED BY CHORUS (COMMS).

LEGEND:

 COMMON SERVICES TRENCH

 **EIGHTY6 ENGINEERING**
 86 MANUKAU ROAD
 EPSOM AUCKLAND 1023
 TEL +64 21 267 0466
 EMAIL simon@eighty6.co.nz

REF	DESCRIPTION	BY	DATE
A	CONSENT ISSUE	JW	17.04.23

PROJECT:
**2 HALIFAX AVENUE
 EPSOM**

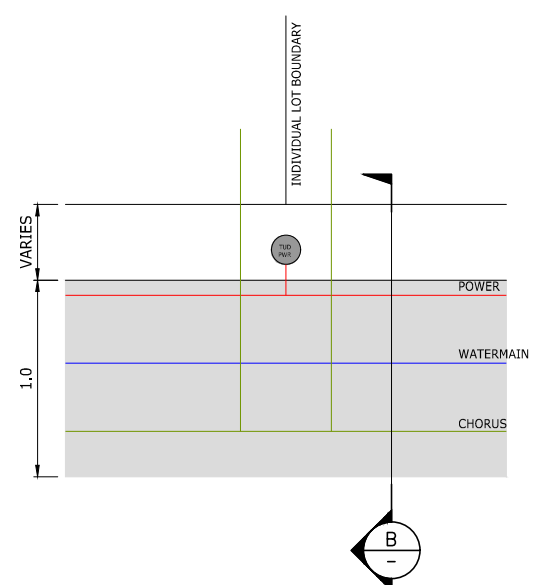
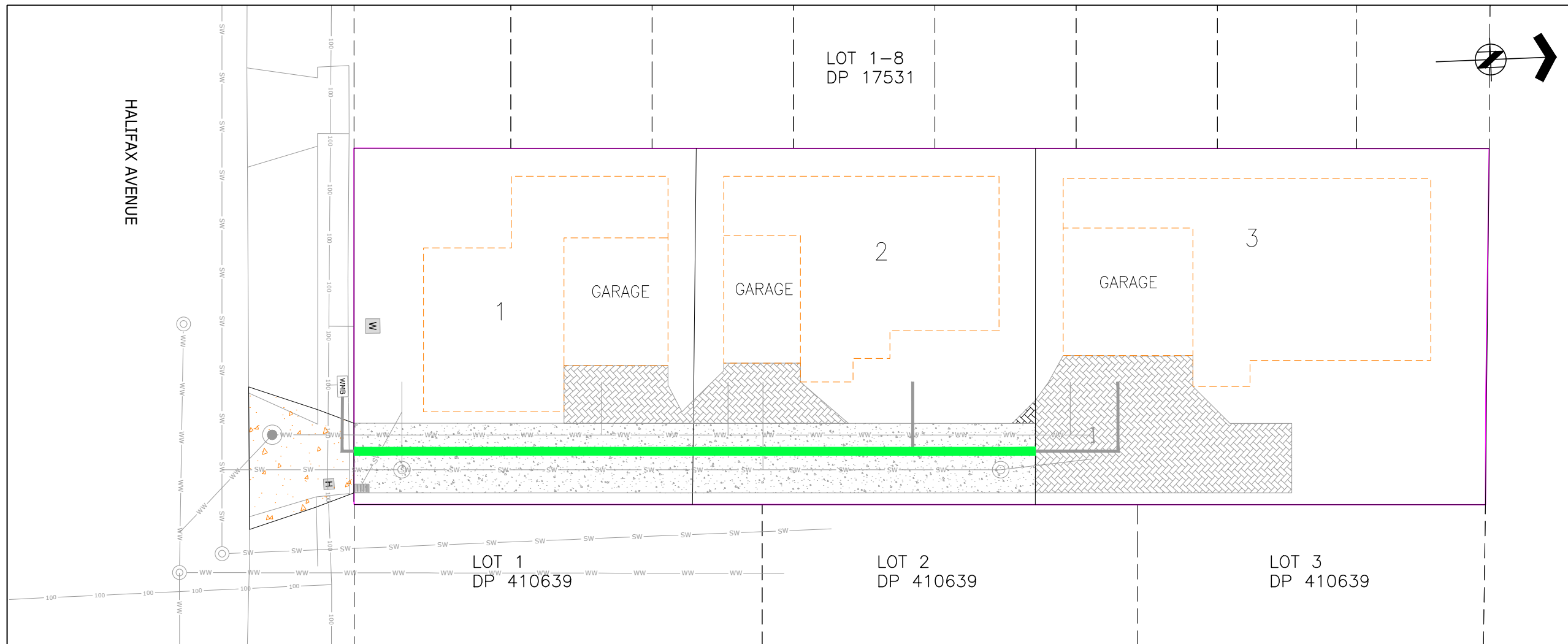
DESCRIPTION:
UTILITY SERVICE TRENCH

DESIGNED: JW	DATE: 05.04.23	SIGNATURE:	PLOT BY: JW
DRAWN: JW	DATE: 05.04.23	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 14.04.23	SIGNATURE:	SURVEY DATE:

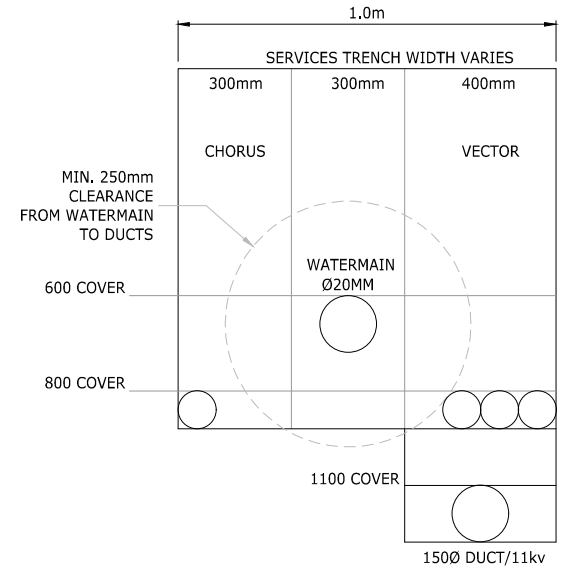
ISSUE STATUS: **CONSENT ISSUE**

PROJECT No: FP210b	SCALES: 1:100-A1 1:200-A3	REV: A
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DRAWING No:
FP210b-60



A TYPICAL COMMON SERVICES TRENCH DETAILS
 SCALE 1:25-A1 1:50-A3



B TYPICAL COMMON SERVICES TRENCH CROSS SECTION
 SCALE 1:10-A1 1:20-A3