

3 PIGEON MOUNTAIN ROAD

PROJECT FP326

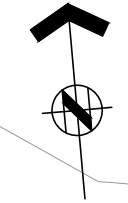
3 PIGEON MOUNTAIN ROAD, HALF MOON BAY



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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 0.5m INTERVAL.
4. THE EARTHWORKS SURFACE MODEL AND DRAINAGE MODEL ARE BASED ON THE TOPOGRAPHICAL PLAN PREPARED BY ENVIVO DATED 20.01.2025, LEVELS ARE IN TERMS OF NZVD 2016.

LEGEND:

- FINISHED SURFACE SHOWN AT 0.2m INTERVALS
- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
- EARTHWORKS BOUNDARY
- BUILDING PLATFORM
- PROPOSED RETAINING WALL



86 MANUKAU ROAD EPSOM AUCKLAND 1023
www.eighty6.co.nz

REF	DESCRIPTION	BY	DATE
C	S92	JW	23.03.26
B	S92	YW	09.02.26
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

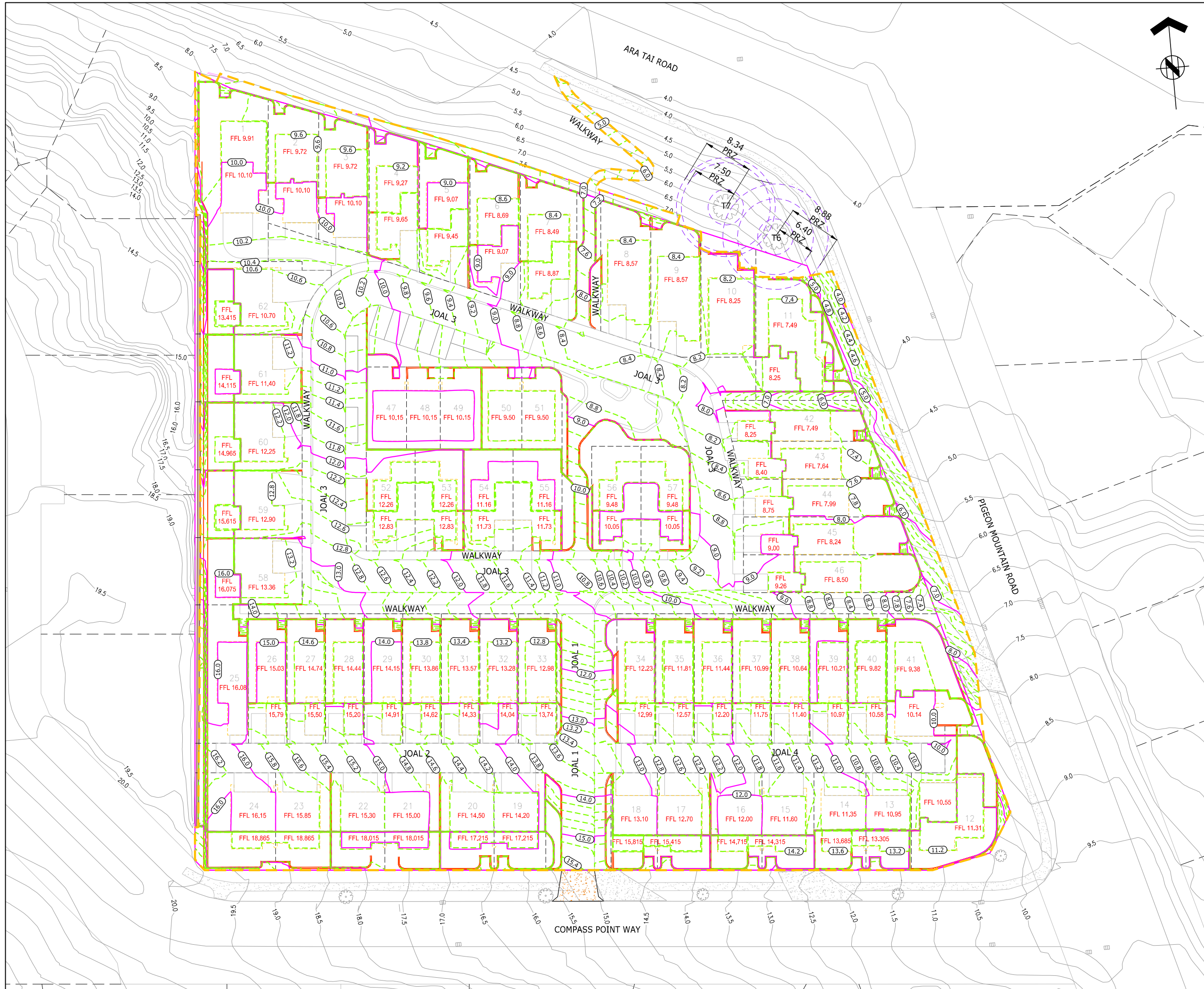
DESCRIPTION:
**EARTHWORKS
FINISHED CONTOURS**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No: FP326	SCALES: 1:300-A1 1:600-A3	REV: C
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DRAWING No:
FP326-200



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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. DETAILS OF CONSTRUCTION NOISE AND VIBRATION CONTROL REFER TO CONSTRUCTION NOISE AND VIBRATION ASSESSMENT REV V1.4 DATED 20.03.2026 PREPARED BY SLR CONSULTING NZ LTD.

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

EARTHWORKS AREA: 14,385m²
CUT: 2,964m³
FILL: 6,827m³
NET (FILL): 3,863m³

LEGEND:

-  CUT CONTOURS SHOWN AT -0.5m INTERVALS
-  FILL CONTOURS SHOWN AT 0.5m INTERVALS
-  EARTHWORKS BOUNDARY



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D	S92	JW	23.03.26
C	S92	YW	09.02.26
B	ADDITIONAL CROSS SECTION ADDED	JW	15.04.25
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**EARTHWORKS
CUT AND FILL PLAN**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS: **RESOURCE CONSENT**

PROJECT No:	SCALES:	REV:
FP326	1:300-A1 1:600-A3	D

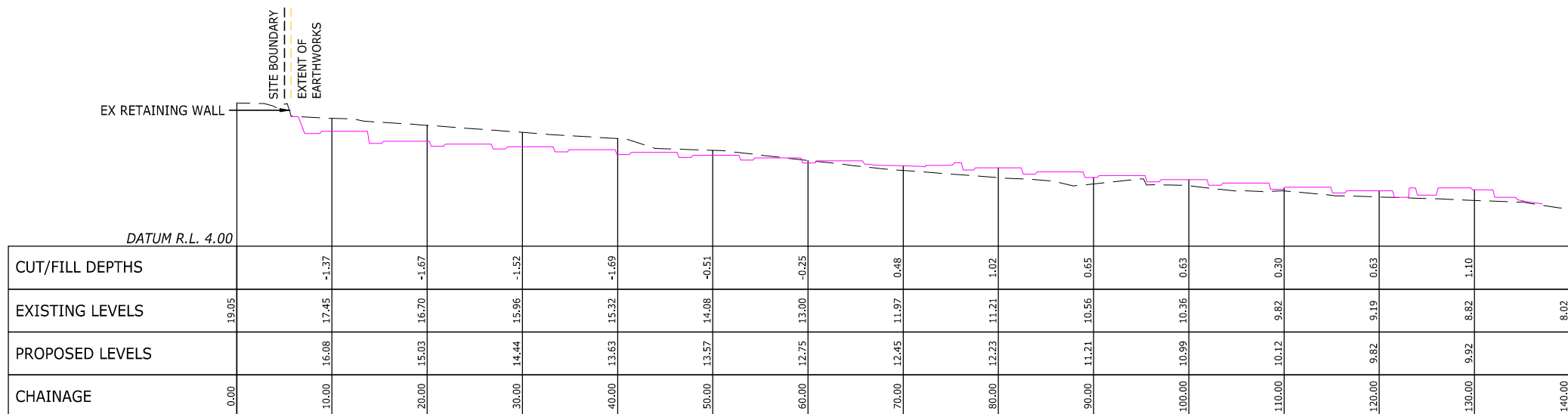
DRAWING No:

FP326-210

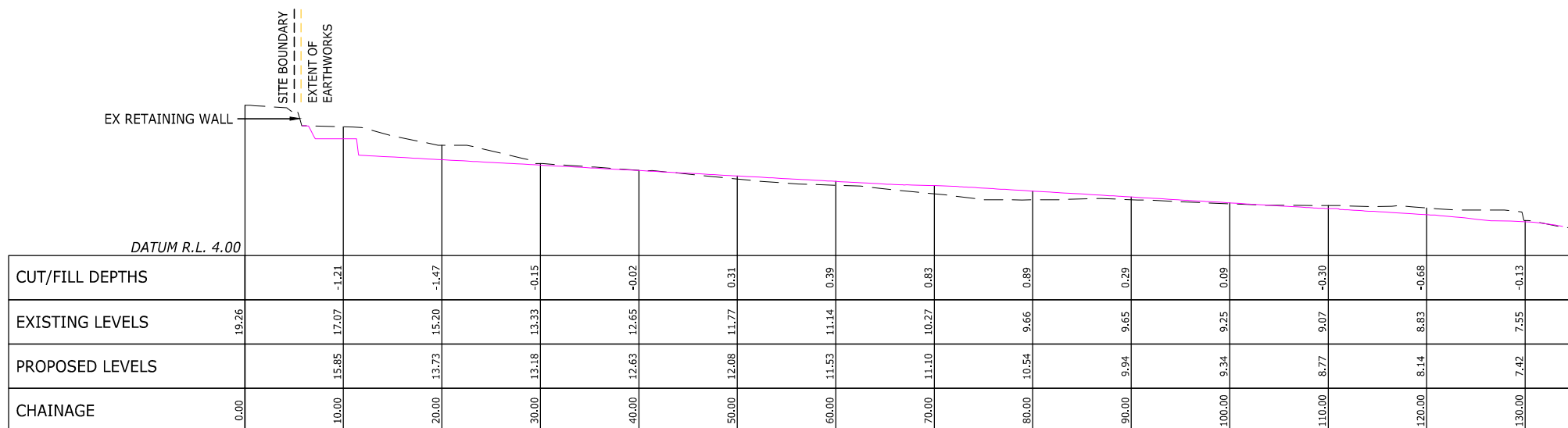


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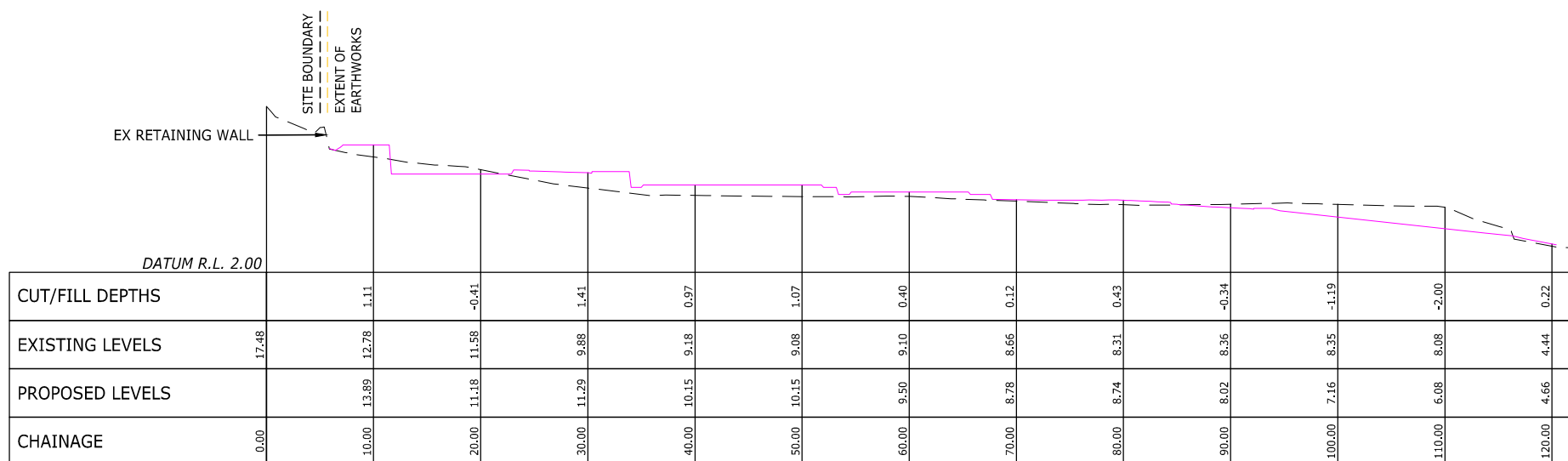
- INDICATES FINISHED SURFACE LEVEL
- INDICATES EXISTING SURFACE LEVEL



EARTHWORKS CROSS SECTION 1
LONGSECTION BETWEEN 0.00 AND 141.48



EARTHWORKS CROSS SECTION 2
LONGSECTION BETWEEN 0.00 AND 136.32



EARTHWORKS CROSS SECTION 3
LONGSECTION BETWEEN 0.00 AND 122.90



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A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**EARTHWORKS
CROSS SECTIONS
SHEET 1 OF 3**


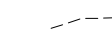
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DRAWN: JW	DATE: 17.02.25	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY DATE:

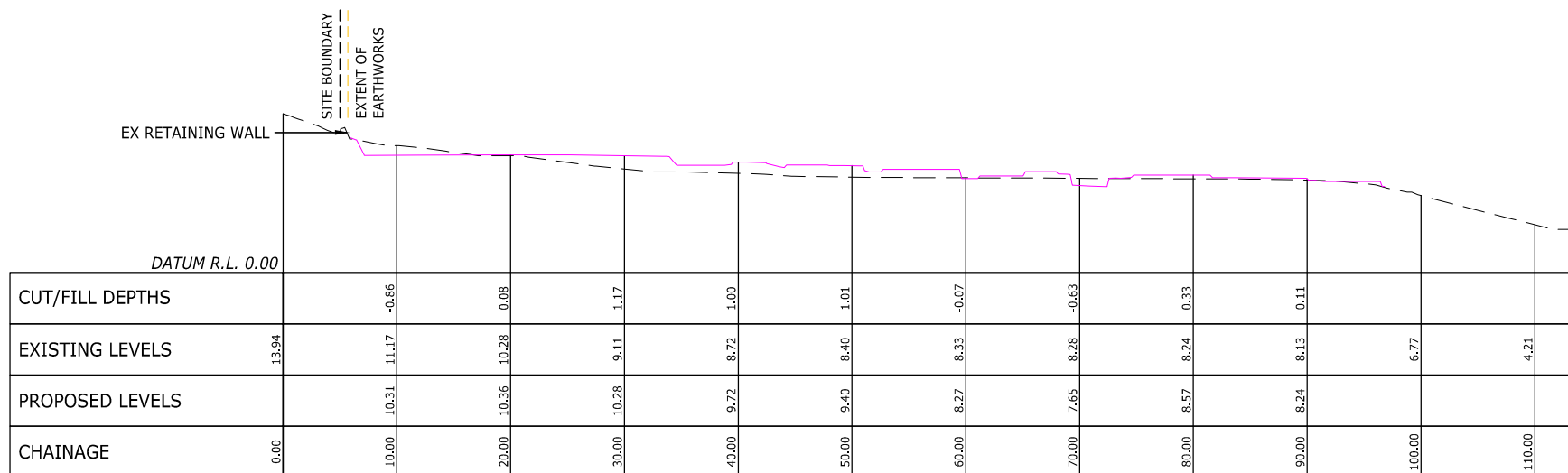
ISSUE STATUS: **RESOURCE CONSENT**

PROJECT No: FP326	SCALES: 1:300-A1 1:600-A3	REV: C
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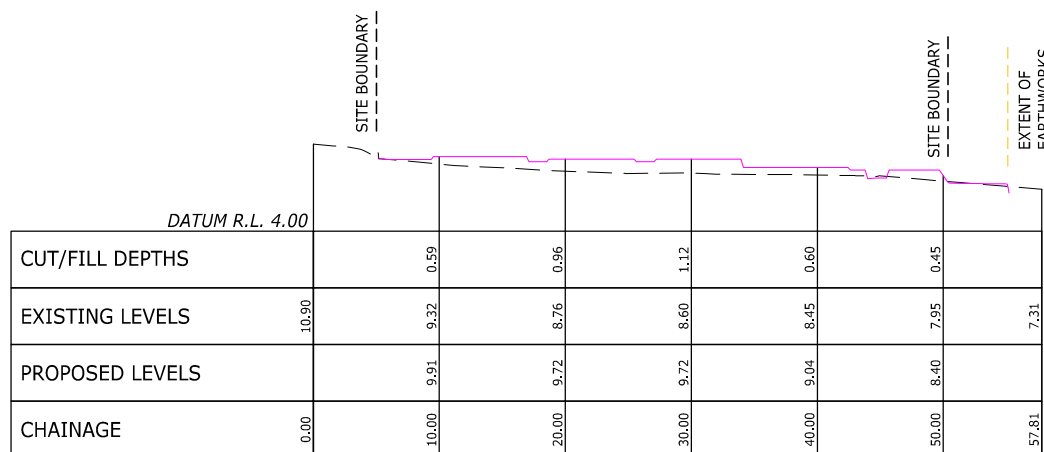
DRAWING No:
FP326-215

LEGEND:

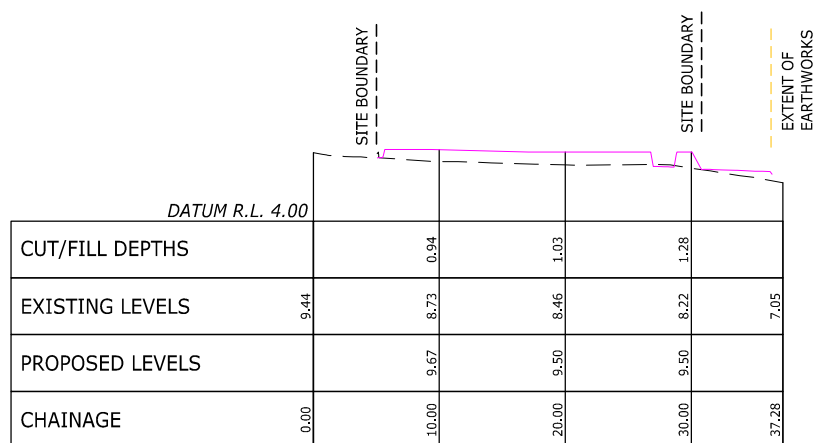
-  INDICATES FINISHED SURFACE LEVEL
-  INDICATES EXISTING SURFACE LEVEL



EARTHWORKS CROSS SECTION 4
LONGSECTION BETWEEN 0.00 AND 113.93



EARTHWORKS CROSS SECTION 5
LONGSECTION BETWEEN 0.00 AND 57.81



EARTHWORKS CROSS SECTION 6
LONGSECTION BETWEEN 0.00 AND 37.28



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A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**EARTHWORKS
CROSS SECTIONS
SHEET 2 OF 3**


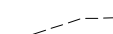
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DRAWN: JW	DATE: 17.02.25	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY DATE:

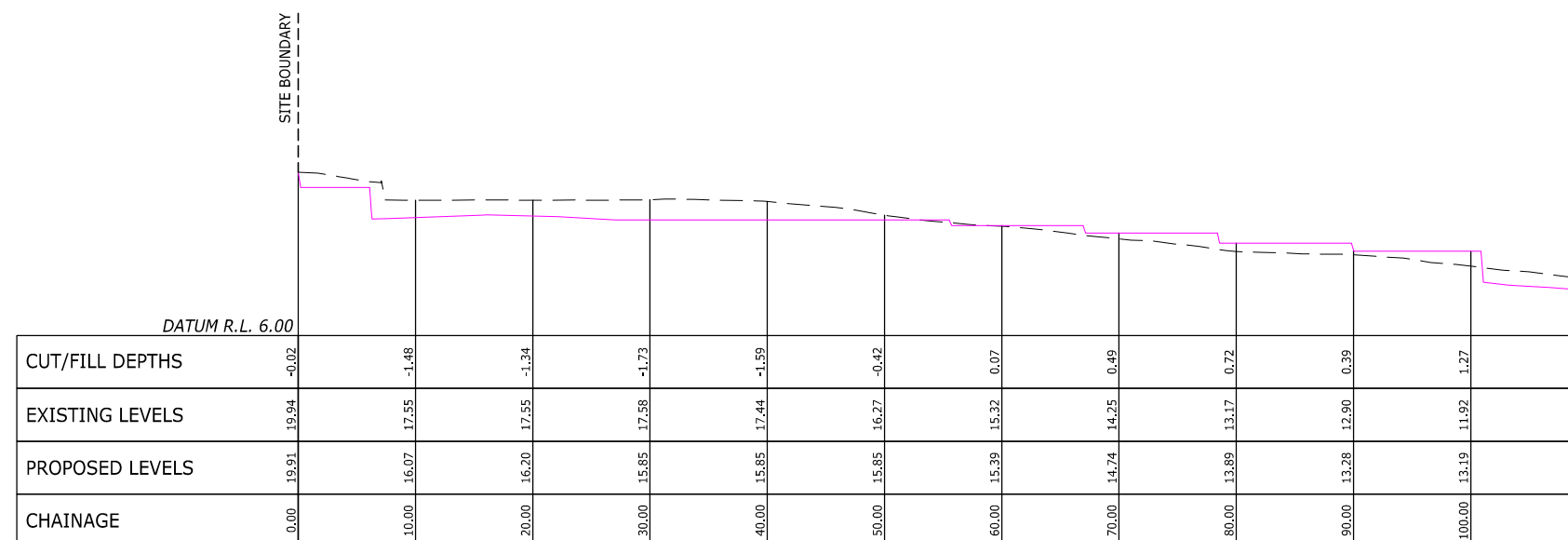
ISSUE STATUS: **RESOURCE CONSENT**

PROJECT No: FP326	SCALES: 1:300-A1 1:600-A3	REV: C
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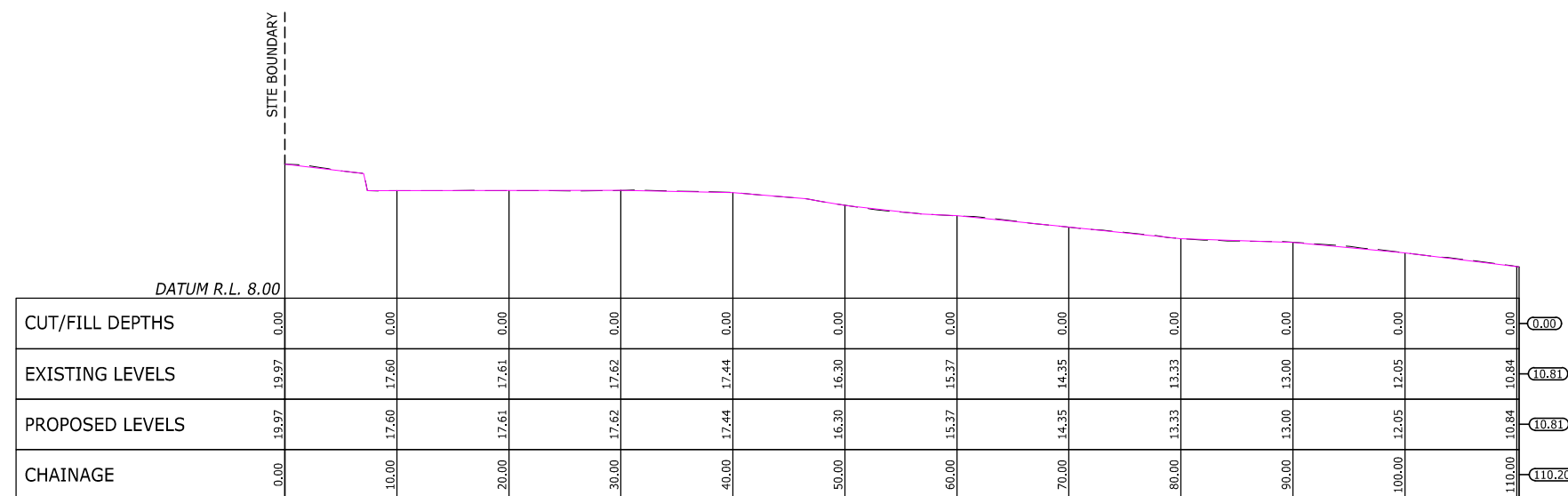
DRAWING No:
FP326-216

LEGEND:

-  INDICATES FINISHED SURFACE LEVEL
-  INDICATES EXISTING SURFACE LEVEL



EARTHWORKS CROSS SECTION 7
LONGSECTION BETWEEN 0.00 AND 109.37



EARTHWORKS CROSS SECTION 7A
LONGSECTION BETWEEN 0.00 AND 110.20



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C	S92	JW	23.03.26
B	S92	YW	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**EARTHWORKS
CROSS SECTIONS
SHEET 3 OF 3**

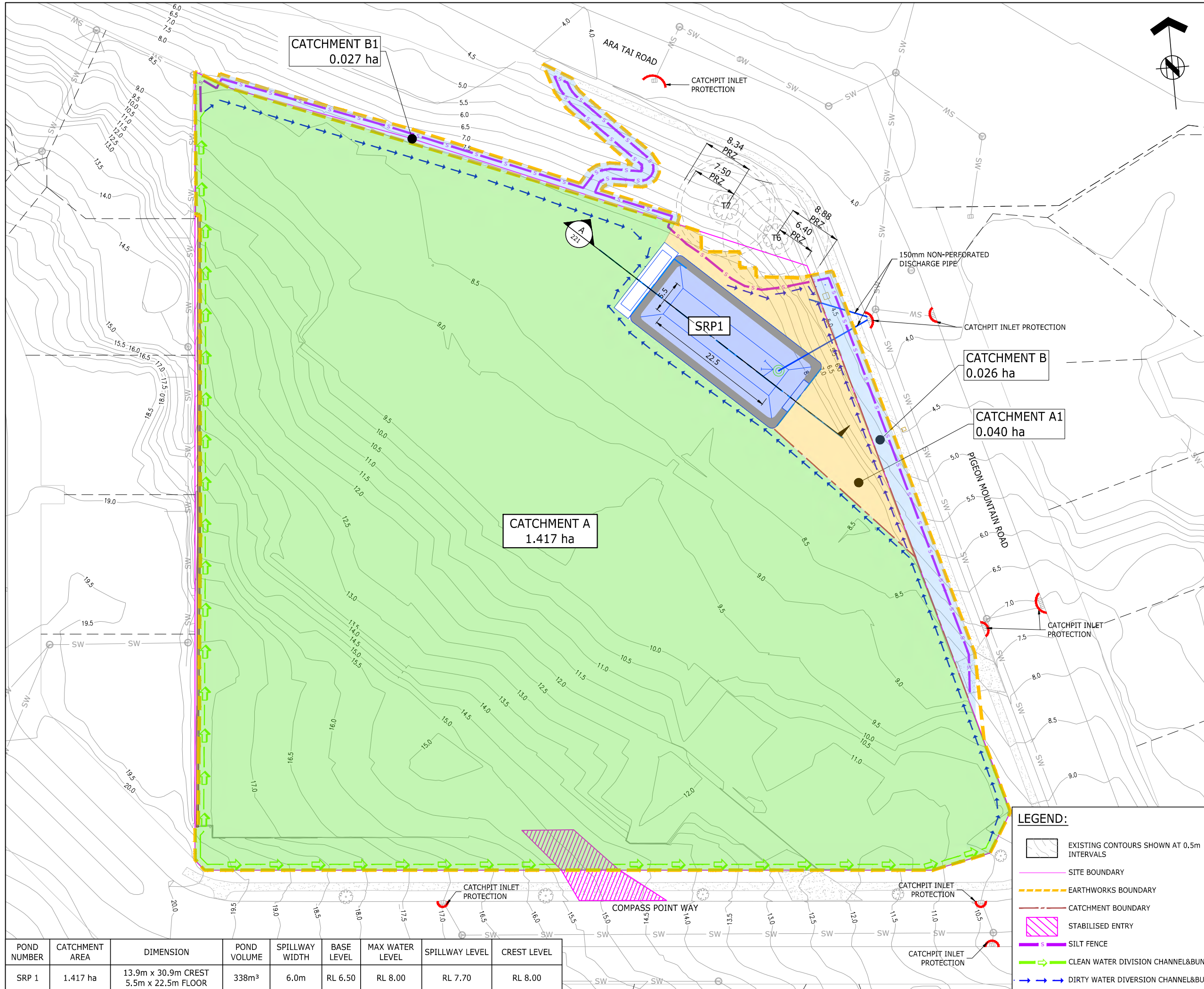
DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
FP326	1:300-A1 1:600-A3	C

DRAWING No:
FP326-217

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- NOTES:**
- 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.
 - 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.
 - 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.
 - 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'.
 - THE MAIN SILT CONTROL MEASURES FOR THIS SITE ARE:
 - 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.
 - REMOVAL OF SEDIMENT FROM SILT-LADEN WATERS USING 'SILT FENCES'.
 - 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.
 - MAINTENANCE OF ALL SEDIMENT CONTROL MEASURES AS REQUIRED.
 - 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.
 - CONTRACTOR TO PROTECT ALL EXISTING INFRASTRUCTURE DURING ALL PHASES OF CONSTRUCTION. CONTRACTOR TO LOCATE AND VERIFY ALL EXISTING SERVICES PRIOR TO CONSTRUCTION.
 - ALL SEDIMENT RETENTION PONDS AND DEBS ARE TO BE FLOCCULATED WITH POLY ALUMINIUM CHLORIDE (PAC). SETUP OF THE PAC DOSING SYSTEM IS TO BE UNDERTAKEN BY A SUITABLY QUALIFIED SPECIALIST.



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C	S92	JW	23.03.26
B	S92	YW	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**SEDIMENT AND EROSION
CONTROL PLAN**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

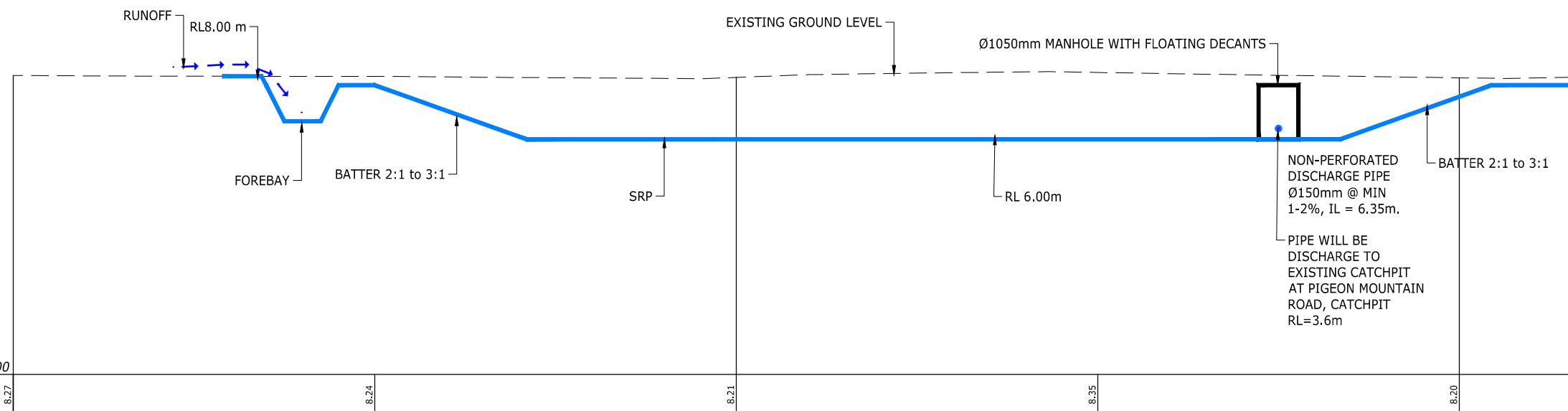
PROJECT No:	SCALE:	REV:
FP326	1:300-A1 1:600-A3	C

DRAWING No:
FP326-220

POND NUMBER	CATCHMENT AREA	DIMENSION	POND VOLUME	SPILLWAY WIDTH	BASE LEVEL	MAX WATER LEVEL	SPILLWAY LEVEL	CREST LEVEL
SRP 1	1.417 ha	13.9m x 30.9m CREST 5.5m x 22.5m FLOOR	338m ³	6.0m	RL 6.50	RL 8.00	RL 7.70	RL 8.00

- LEGEND:**
- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
 - SITE BOUNDARY
 - EARTHWORKS BOUNDARY
 - CATCHMENT BOUNDARY
 - STABILISED ENTRY
 - SILT FENCE
 - CLEAN WATER DIVERSION CHANNEL&BUND
 - DIRTY WATER DIVERSION CHANNEL&BUND

NOTES:



CROSS SECTION A
LONGSECTION BETWEEN 0.00 AND 50.90



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REF	DESCRIPTION	BY	DATE
A	S92	YW	09.02.26

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

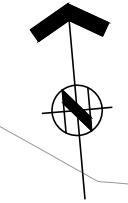
DESCRIPTION:
**SEDIMENT AND EROSION CONTROL
SRP CROSS SECTION**

DESIGNED: YW	DATE: 06.11.25	SIGNATURE:	PLOT BY:
DRAWN: YW	DATE: 06.11.25	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 06.11.25	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 06.11.25	SIGNATURE:	SURVEY DATE:

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No: FP326	SCALES: 1:300-A1 1:600-A3	REV: A
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DRAWING No:
FP326-221



NOTES:

1. ALL RETAINING WALLS SUBJECT TO BUILDING CONSENT APPROVAL.
2. ALL DIMENSIONS TO BE CHECKED ON SITE. THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF EIGHTY6 ENGINEERING LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING.
3. ALL PIPES MUST BE A MINIMUM OF 1m AWAY FROM RETAINING WALLS. ANY CLEARANCE ISSUES ARE TO BE RAISED WITH THE ENGINEER'S REPRESENTATIVE.

LEGEND:

- FINISHED SURFACE SHOWN AT 0.5m INTERVALS
- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
- BUILDING PLATFORM
- PROPOSED RETAINING WALL
- PROPOSED BUILDING WALL
- EXISTING RETAINING WALL



86 MANUKAU ROAD EPSOM AUCKLAND 1023
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C	S92	JW	23.03.26
B	S92	YW	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**RETAINING WALL
LAYOUT PLAN**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	17.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	17.02.25		

ISSUE STATUS: **RESOURCE CONSENT**

PROJECT No:	SCALES:	REV:
FP326	1:300-A1 1:600-A3	C

DRAWING No: **FP326-260**









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NOTES:

1. ALL RETAINING WALLS AND ITS DRAINAGE ARE SUBJECT TO BUILDING CONSENT APPROVAL.
2. ALL DIMENSIONS TO BE CHECKED ON SITE. THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF EIGHTY6 ENGINEERING LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING.
3. ALL PIPES MUST BE A MINIMUM OF 1m AWAY FROM RETAINING WALLS. ANY CLEARANCE ISSUES ARE TO BE RAISED WITH THE ENGINEER'S REPRESENTATIVE.
4. ALL FIELD CATCHPIT TO BE MINIMUM 1m AWAY FROM RWs, PIPES AND BOUNDARIES. ANY CLEARANCE ISSUE TO BE RAISED WITH THE ENGINEER'S REPRESENTATIVE.
5. RETAINING WALL DRAINAGE FOR ANY RETAINING WALL THAT ADJOINS OR CONNECTS TO A BUILDING WALL IS NOT SHOWN ON THIS DRAWING.

LEGEND:

-  BUILDING PLATFORM
-  RETAINING WALL
-  BUILDING WALL
-  RETAINING WALL DRAINAGE
-  DN100 uPVC PIPE TO STORMWATER CONNECTION/ MANHOLE/ CATCHPIT
-  FIELD CATCHPIT (450X450)



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B	S92	JW	23.03.26
A	RESOURCE CONSENT	YW	09.02.26
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**RETAINING WALL DRAINAGE
LAYOUT PLAN**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	17.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	17.02.25		

ISSUE STATUS:
RESOURCE CONSENT

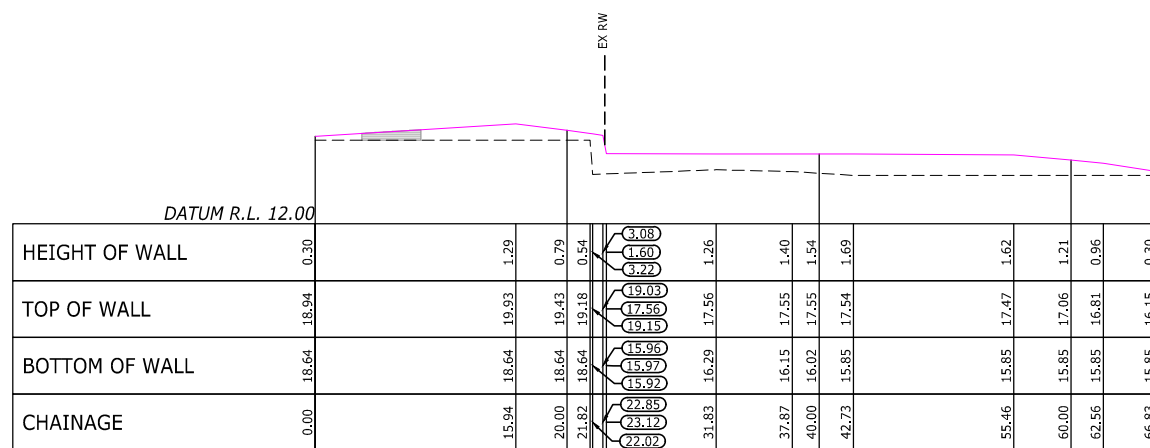
PROJECT No:	SCALES:	REV:
FP326	1:300-A1 1:600-A3	B

DRAWING No:
FP326-265

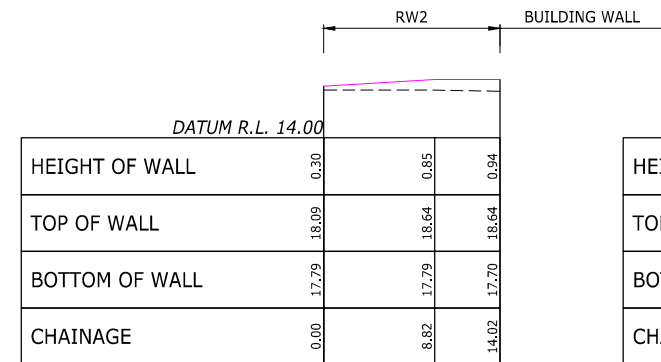


NOTES:

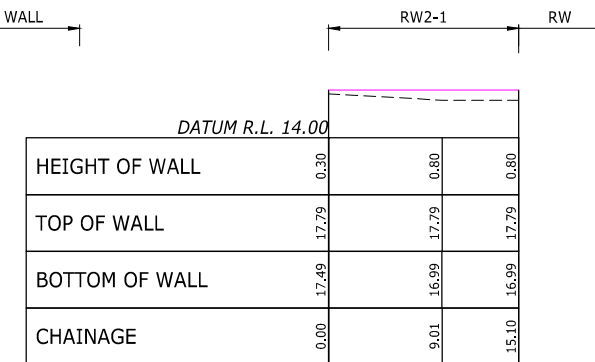
1. ALL RETAINING WALLS SUBJECT TO BUILDING CONSENT APPROVAL.
2. ALL DIMENSIONS TO BE CHECKED ON SITE, THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF EIGHTY6 ENGINEERING LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.
3. ALL PIPES MUST BE A MINIMUM OF 1M AWAY FROM RETAINING WALLS. ANY CLEARANCE ISSUES ARE TO BE RAISED WITH THE ENGINEER'S REPRESENTATIVE.



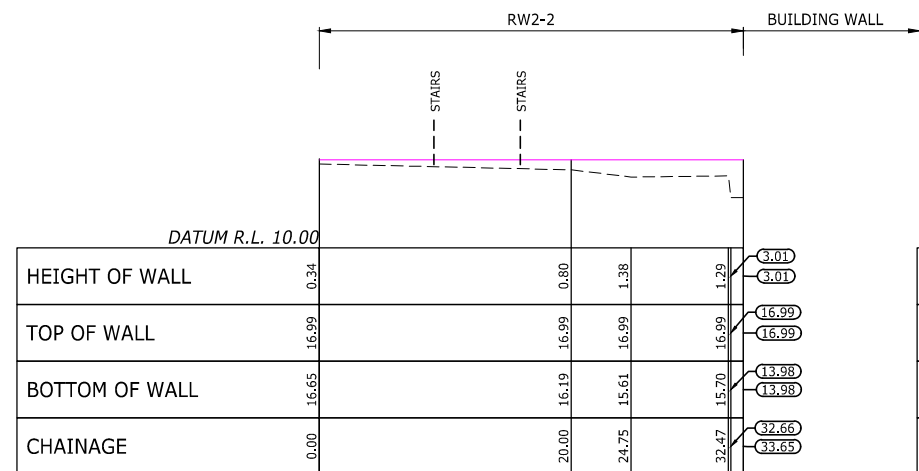
RETAINING WALL 1
LONGSECTION BETWEEN 0.00 AND 66.83



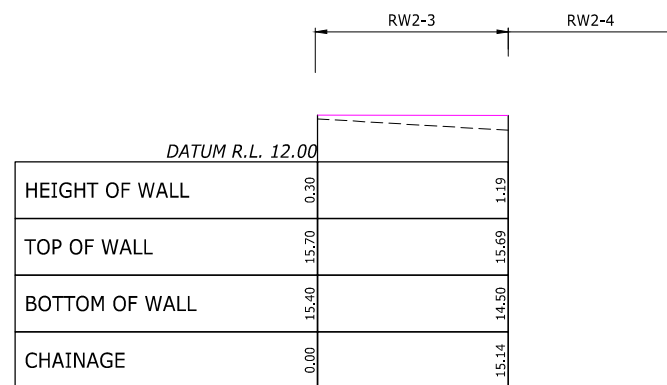
RETAINING WALL 2
LONGSECTION BETWEEN 0.00 AND 14.02



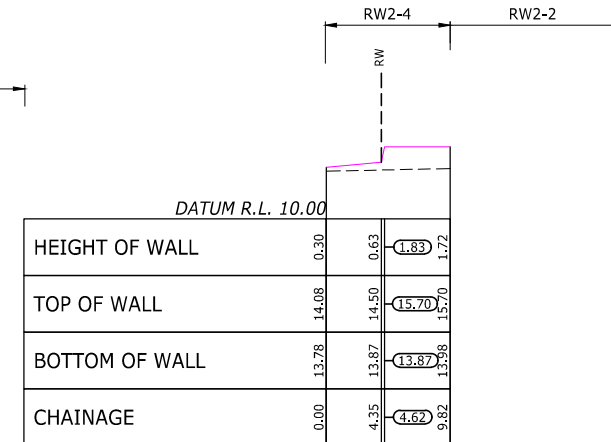
RETAINING WALL 2-1
LONGSECTION BETWEEN 0.00 AND 15.10



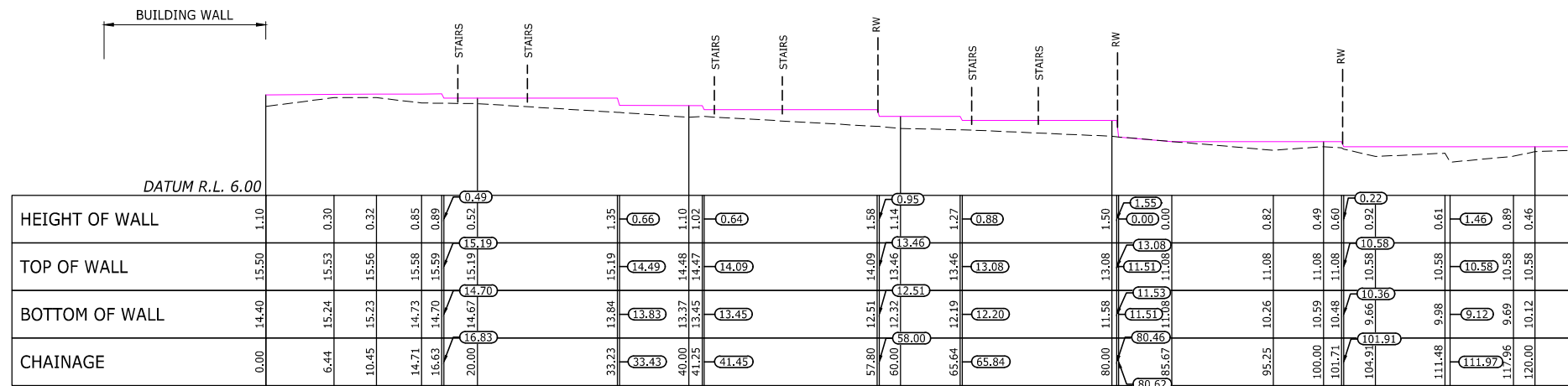
RETAINING WALL 2-2
LONGSECTION BETWEEN 0.00 AND 33.65



RETAINING WALL 2-3
LONGSECTION BETWEEN 0.00 AND 15.14



RETAINING WALL 2-4
LONGSECTION BETWEEN 0.00 AND 9.82



RETAINING WALL 3
LONGSECTION BETWEEN 0.00 AND 124.65

LEGEND:

- INDICATES TOP OF WALL
- INDICATES BOTTOM OF WALL



C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**RETAINING WALL
LONGITUDINAL SECTIONS
SHEET 1 OF 4**

DESIGNED: JW	DATE: 17.02.25	SIGNATURE:	PLOT BY:
DRAWN: JW	DATE: 17.02.25	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 17.02.25	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 17.02.25	SIGNATURE:	SURVEY DATE:

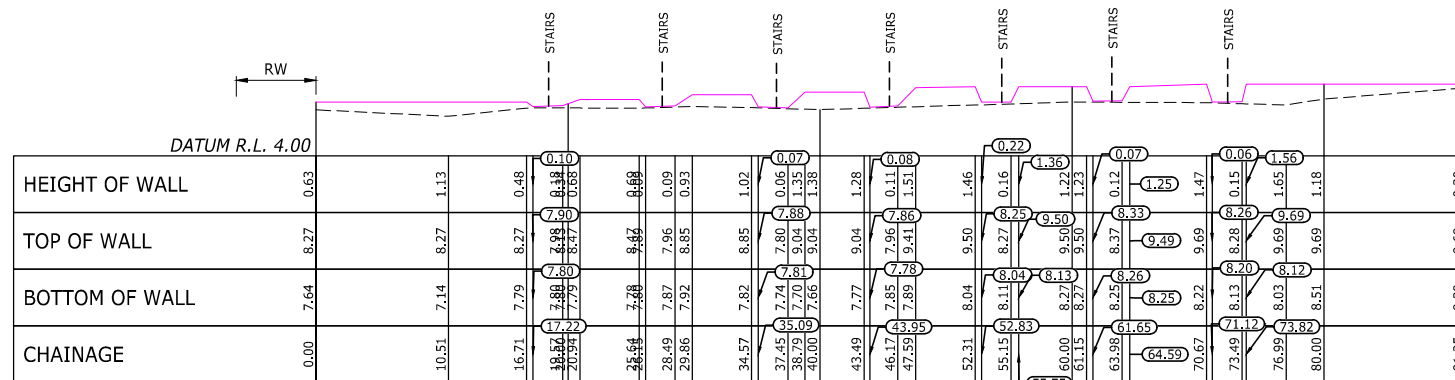
ISSUE STATUS: **RESOURCE CONSENT**

PROJECT No: FP326	SCALES: 1:300-A1 1:600-A3	REV: C
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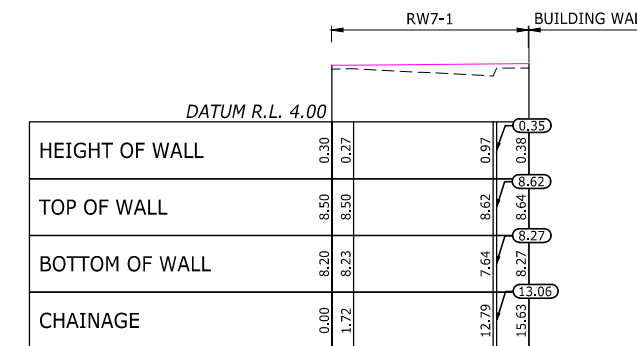
DRAWING No:
FP326-270

NOTES:

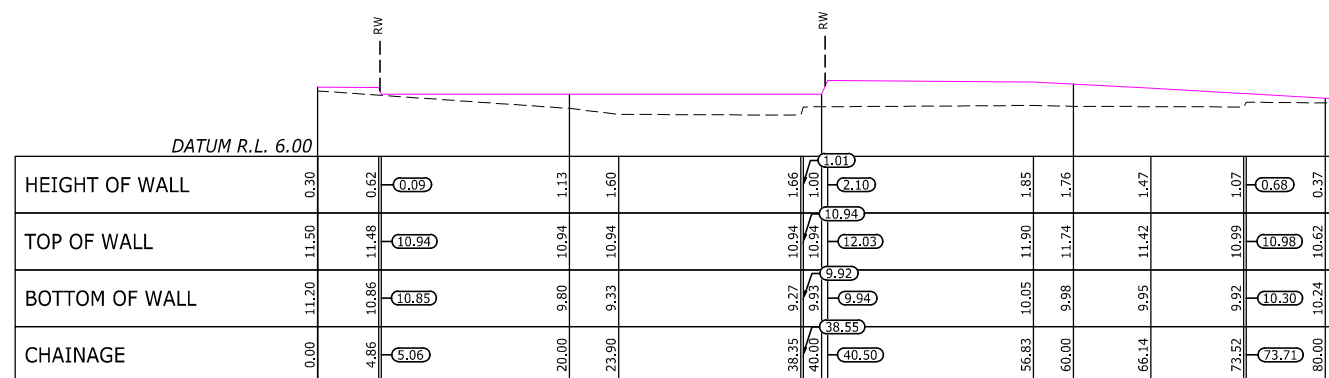
1. ALL RETAINING WALLS SUBJECT TO BUILDING CONSENT APPROVAL.
2. ALL DIMENSIONS TO BE CHECKED ON SITE, THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF EIGHTY6 ENGINEERING LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.
3. ALL PIPES MUST BE A MINIMUM OF 1M AWAY FROM RETAINING WALLS. ANY CLEARANCE ISSUES ARE TO BE RAISED WITH THE ENGINEER'S REPRESENTATIVE.



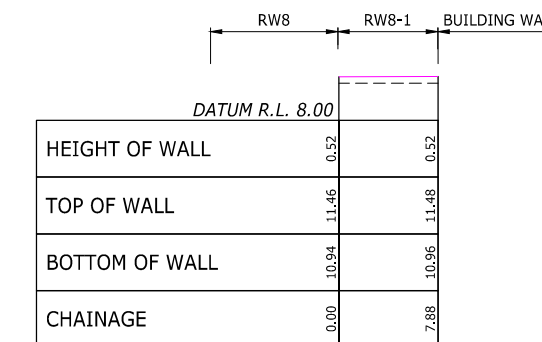
RETAINING WALL 7
LONGSECTION BETWEEN 0.00 AND 91.25



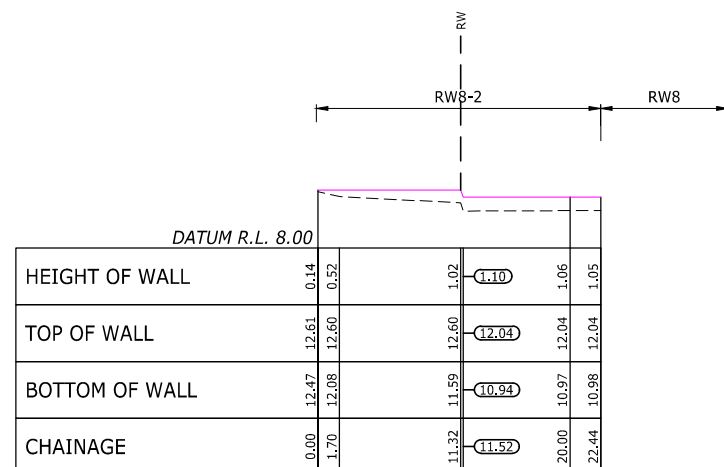
RETAINING WALL 7-1
LONGSECTION BETWEEN 0.00 AND 15.63



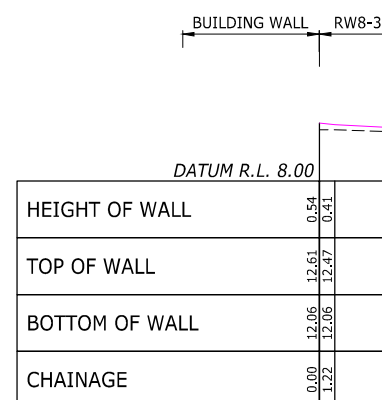
RETAINING WALL 8
LONGSECTION BETWEEN 0.00 AND 81.47



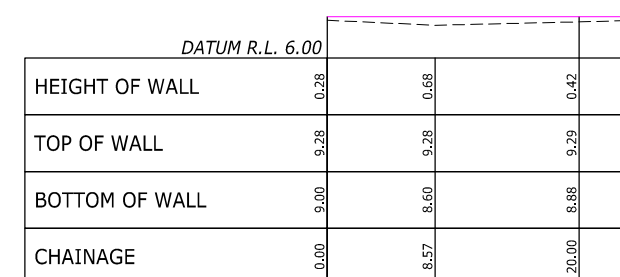
RETAINING WALL 8-1
LONGSECTION BETWEEN 0.00 AND 7.88



RETAINING WALL 8-2
LONGSECTION BETWEEN 0.00 AND 22.44



RETAINING WALL 8-3
LONGSECTION BETWEEN 0.00 AND 6.14



RETAINING WALL 8-4
LONGSECTION BETWEEN 0.00 AND 25.16

LEGEND:

- INDICATES TOP OF WALL
- INDICATES BOTTOM OF WALL



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REF	DESCRIPTION	BY	DATE
C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**RETAINING WALL
LONGITUDINAL SECTIONS
SHEET 3 OF 4**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	17.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	17.02.25		

ISSUE STATUS: **RESOURCE CONSENT**



PROJECT No:	SCALES:	REV:
FP326	1:300-A1 1:600-A3	C

DRAWING No:
FP326-272

NOTES:

1. ALL RETAINING WALLS SUBJECT TO BUILDING CONSENT APPROVAL.
2. ALL DIMENSIONS TO BE CHECKED ON SITE. THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF EIGHTY6 ENGINEERING LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.
3. ALL PIPES MUST BE A MINIMUM OF 1M AWAY FROM RETAINING WALLS. ANY CLEARANCE ISSUES ARE TO BE RAISED WITH THE ENGINEER'S REPRESENTATIVE.

LEGEND:

-  INDICATES TOP OF WALL
-  INDICATES BOTTOM OF WALL



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C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

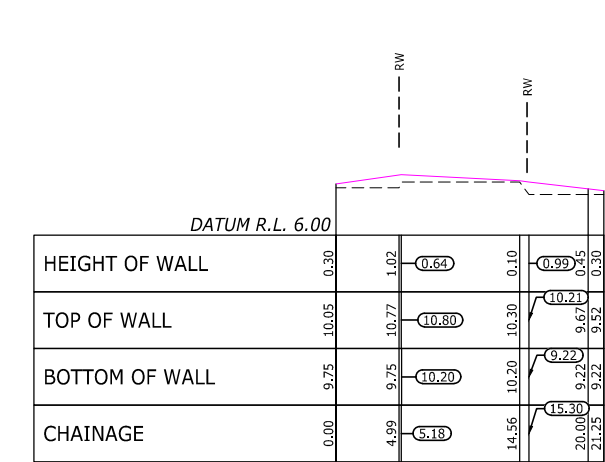
DESCRIPTION:
**RETAINING WALL
LONGITUDINAL SECTIONS
SHEET 4 OF 4**

DESIGNED: JW	DATE: 17.02.25	SIGNATURE:	PLOT BY:
DRAWN: JW	DATE: 17.02.25	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 17.02.25	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 17.02.25	SIGNATURE:	SURVEY DATE:

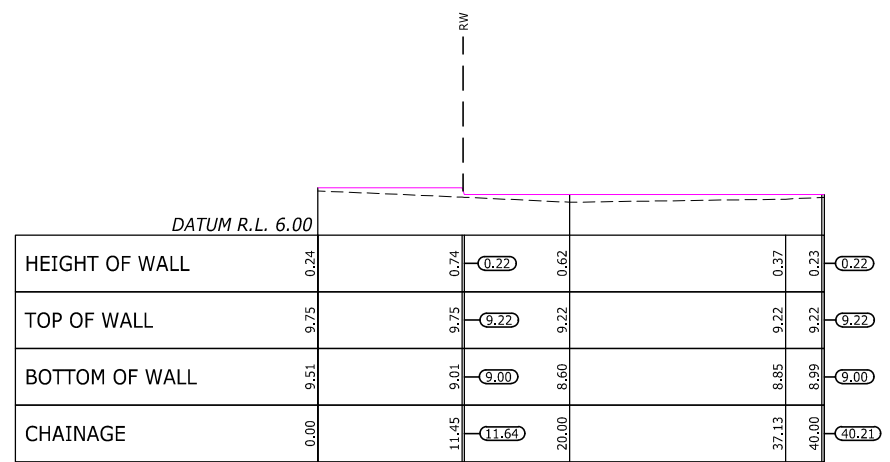
ISSUE STATUS: **RESOURCE CONSENT**

PROJECT No: FP326	SCALES: 1:300-A1 1:600-A3	REV: C
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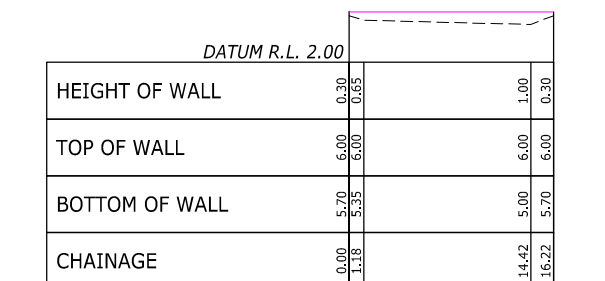
DRAWING No:
FP326-273



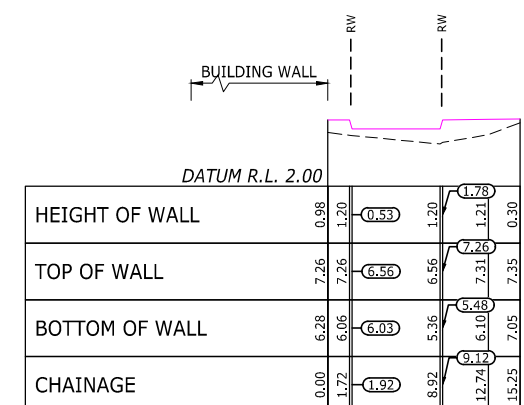
RETAINING WALL 9-1
LONGSECTION BETWEEN 0.00 AND 21.25



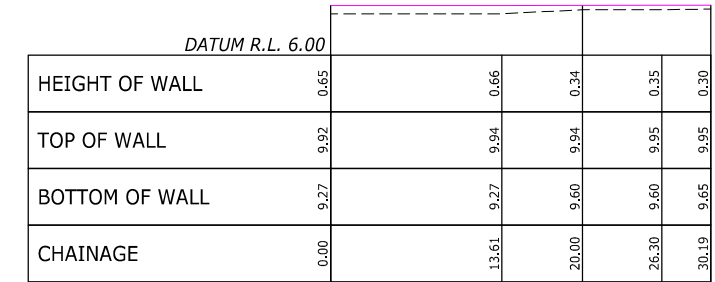
RETAINING WALL 9
LONGSECTION BETWEEN 0.00 AND 40.21



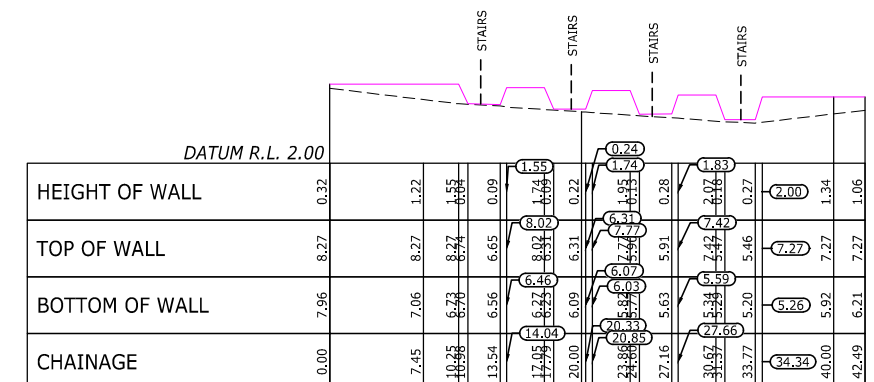
RETAINING WALL 11-1
LONGSECTION BETWEEN 0.00 AND 16.22



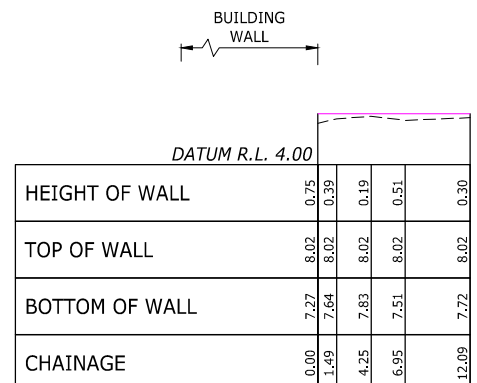
RETAINING WALL 11
LONGSECTION BETWEEN 0.00 AND 15.25



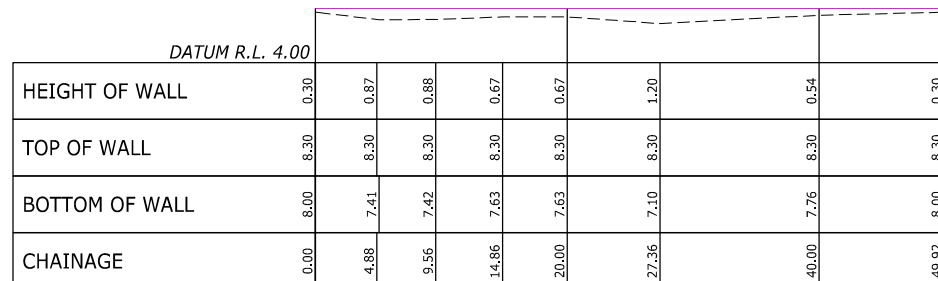
RETAINING WALL 8-5
LONGSECTION BETWEEN 0.00 AND 30.19



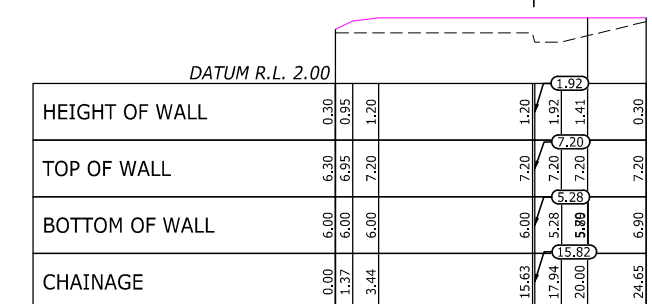
RETAINING WALL 10
LONGSECTION BETWEEN 0.00 AND 42.49



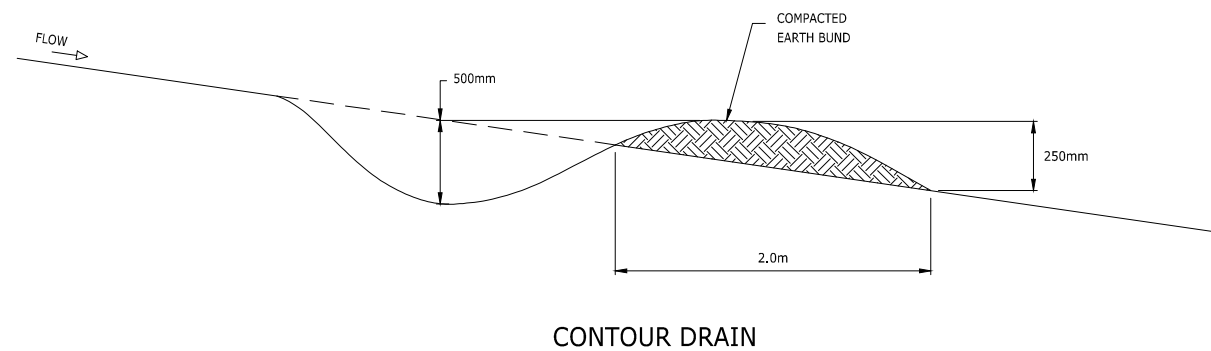
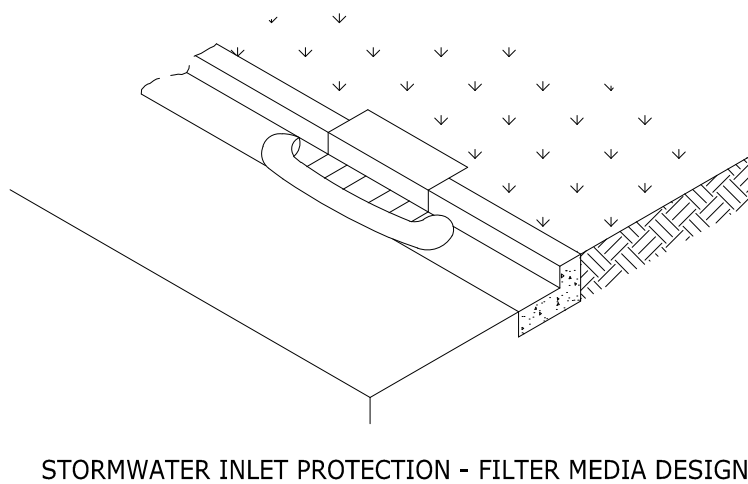
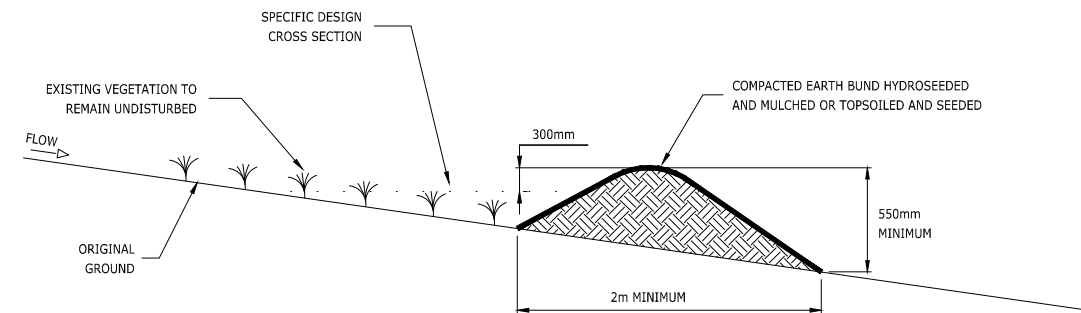
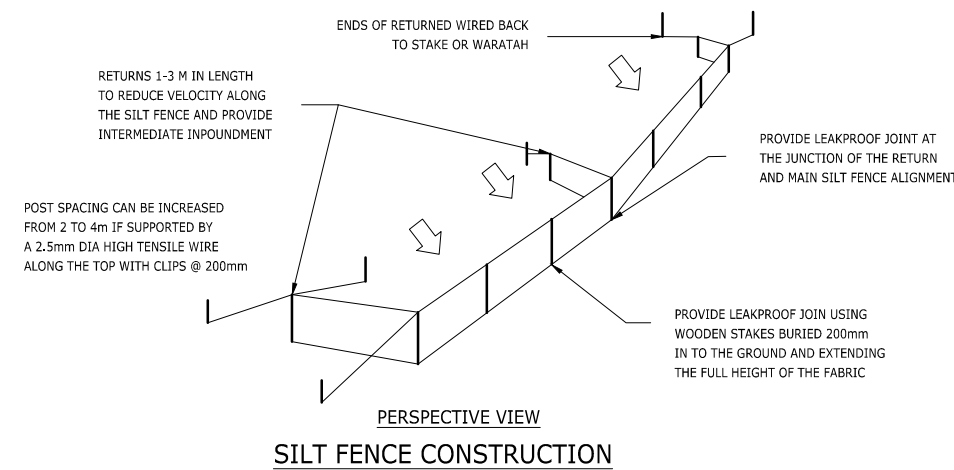
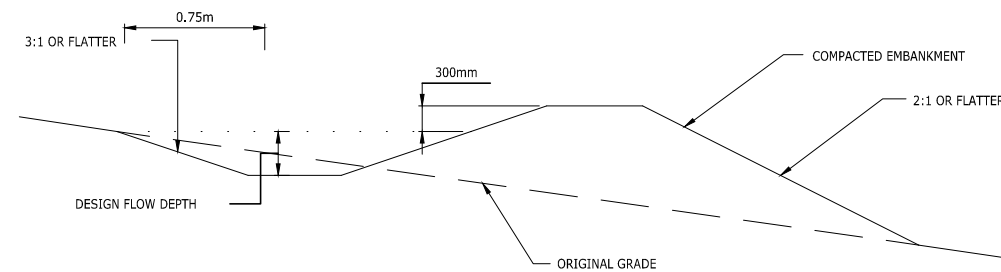
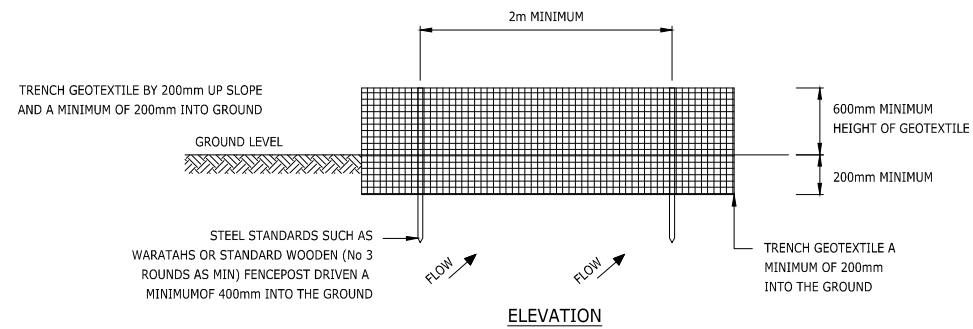
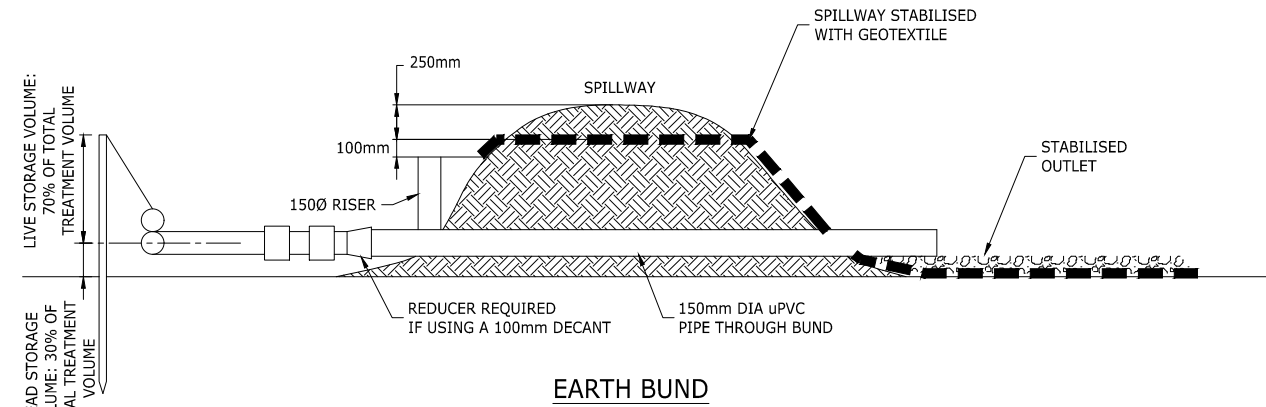
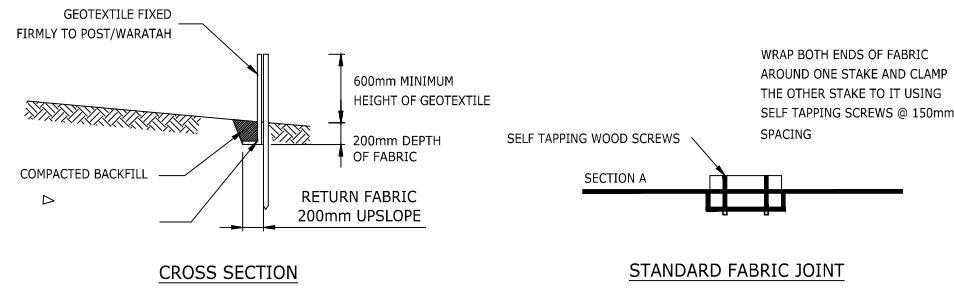
RETAINING WALL 12
LONGSECTION BETWEEN 0.00 AND 12.09



RETAINING WALL 13
LONGSECTION BETWEEN 0.00 AND 49.92



RETAINING WALL 11-2
LONGSECTION BETWEEN 0.00 AND 24.65



REF	DESCRIPTION	BY	DATE
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
 HALF MOON BAY**

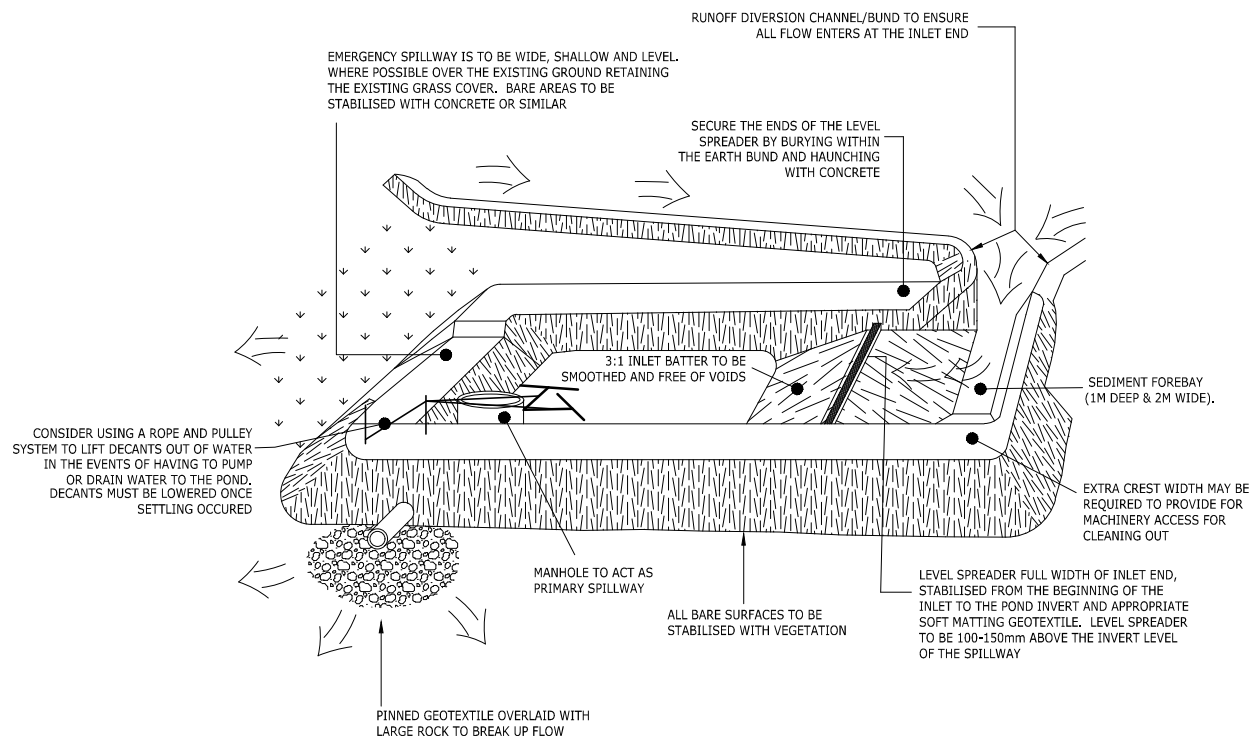
DESCRIPTION:
**SEDIMENT AND EROSION CONTROL
 STANDARD DETAILS
 SHEET 1 OF 3**

DESIGNED: JW	DATE: 17.02.25	SIGNATURE:	PLOT BY:
DRAWN: JW	DATE: 17.02.25	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY DATE:

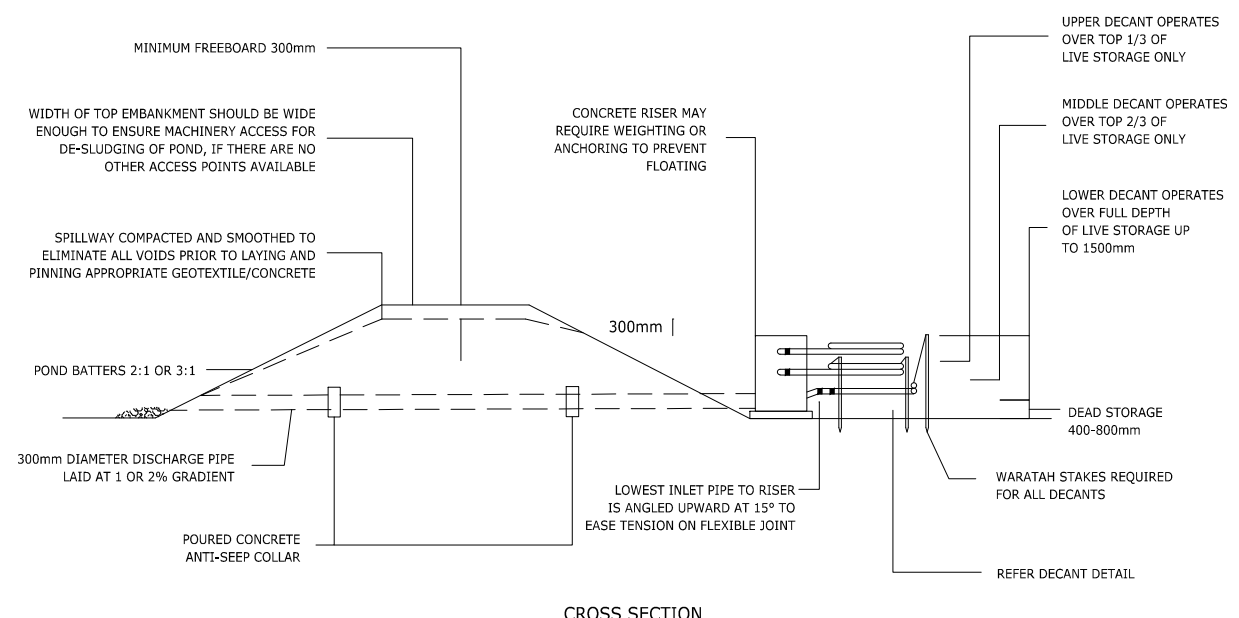
ISSUE STATUS:
RESOURCE CONSENT

PROJECT No: FP326	SCALES: N.T.S	REV: A
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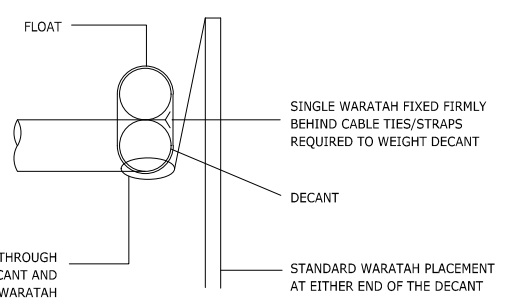
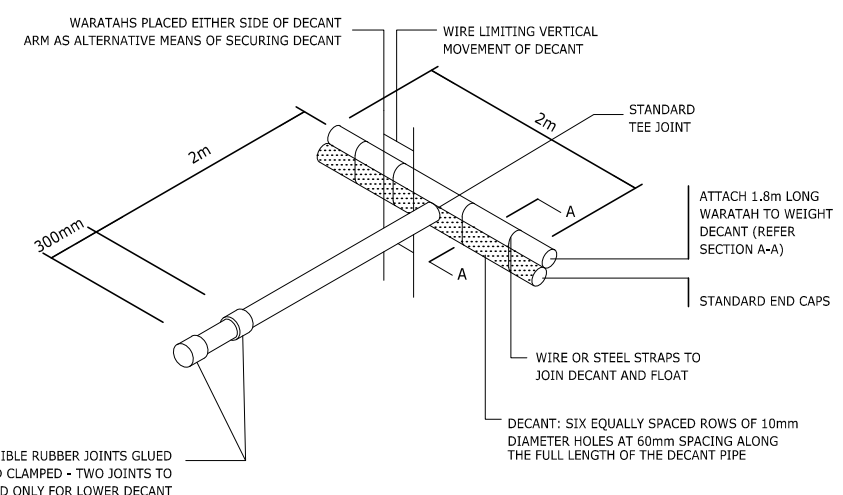
DRAWING No:
FP326-290



SEDIMENT RETENTION POND

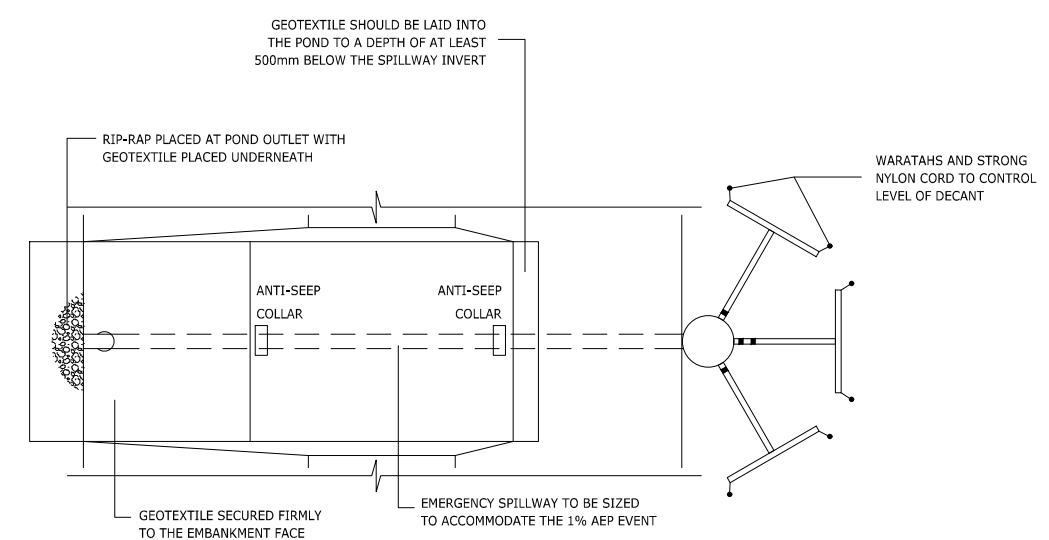


CROSS SECTION



SECTION A-A

SEDIMENT RETENTION POND-DECANT DETAIL



PLAN

SEDIMENT RETENTION POND

- NUMBER OF DECANTS FOR EACH POND SHALL BE AS FOLLOWS:
- I) UP TO 1.5HA CATCHMENT - 1 DECANT
 - II) 1.5-3.0HA CATCHMENT - 2 DECANTS
 - III) 3 TO 5 HA CATCHMENT - 3 DECANTS



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A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

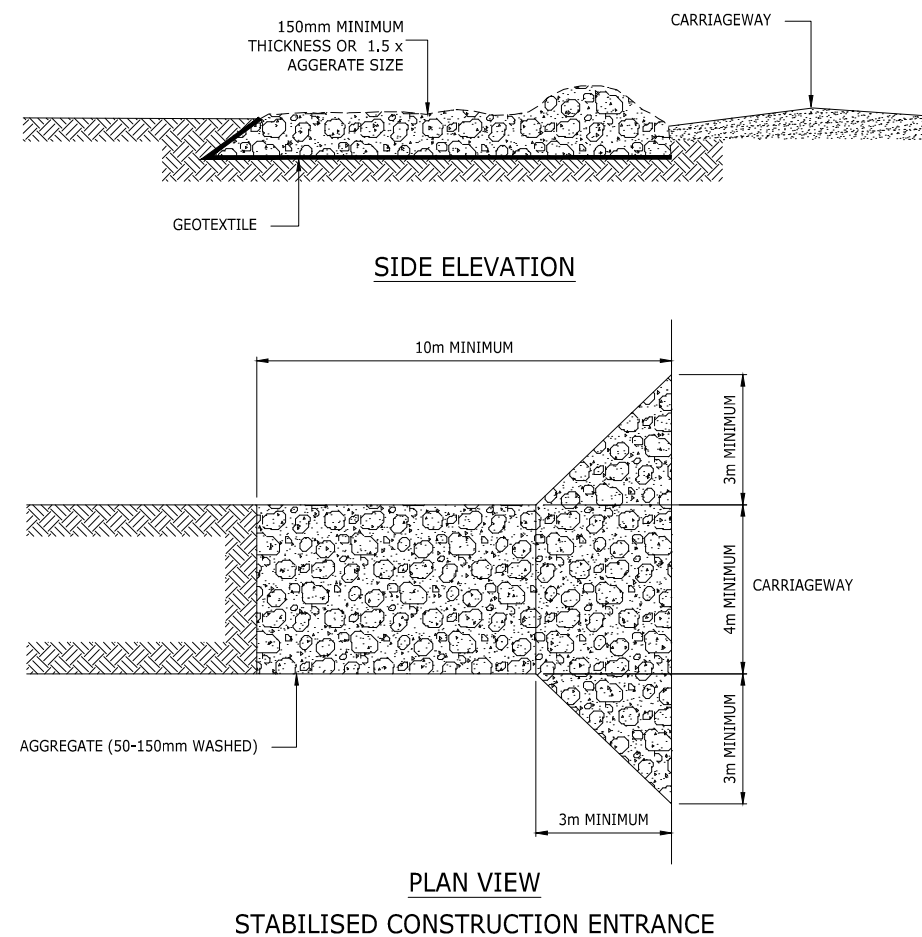
DESCRIPTION:
**SEDIMENT AND EROSION CONTROL
STANDARD DETAILS
SHEET 2 OF 3**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	N.T.S	REV:	A
FP326				

DRAWING No:
FP326-291



STABILISED CONSTRUCTION ENTRANCE - SPECIFICATIONS:

APPLICATION

USE A STABILISED CONSTRUCTION ENTRANCE AT ALL POINTS OF CONSTRUCTION SITE INGRESS AND EGRESS WITH A CONSTRUCTION PLAN LIMITING TRAFFIC TO THESE ENTRANCES ONLY.

DESIGN:

1. CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS AND OTHER UNSUITABLE MATERIAL AND PROPERLY GRADE IT.
2. LAY WOVEN GEOTEXTILE; PIN DOWN EDGES AND OVERLAP JOINS;
3. PROVIDE DRAINAGE TO CARRY RUNOFF FROM THE STABILISED CONSTRUCTION ENTRANCE TO A SEDIMENT CONTROL MEASURE.
4. PLACE AGGREGATE TO THE SPECIFICATIONS BELOW AND SMOOTH IT.

STABILISED CONSTRUCTION ENTRANCE AGGREGATE SPECIFICATIONS:

AGGREGATE SIZE	50-150mm WASHED AGGREGATE
THICKNESS	150mm MINIMUM OR 1.5 x AGGREGATE SIZE
LENGTH	10m MINIMUM LENGTH RECOMMENDED
WIDTH	4m MINIMUM

MAINTENANCE

1. MAINTAIN THE STABILISED CONSTRUCTION ENTRANCE IN A CONDITION TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. AFTER EACH RAINFALL INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT FROM THE STABILISED CONSTRUCTION ENTRANCE AND CLEAN OUT AS NECESSARY.
2. WHEN WHEEL WASHING IS ALSO REQUIRED, ENSURE THIS IS DONE ON AN AREA STABILISED WITH AGGREGATE WHICH DRAINS TO AN APPROVED SEDIMENT RETENTION FACILITY.



REF	DESCRIPTION	BY	DATE
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

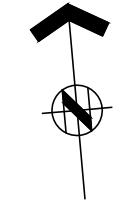
DESCRIPTION:
**SEDIMENT AND EROSION CONTROL
STANDARD DETAILS
SHEET 3 OF 3**

DESIGNED: JW	DATE: 17.02.25	SIGNATURE:	PLOT BY:
DRAWN: JW	DATE: 17.02.25	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY DATE:

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No: FP326 SCALES: N.T.S REV: A

DRAWING No:
FP326-292



NOTES:

1. REFER TO DRAWING DWG-310 FOR COMMON ACCESSWAY LONGITUDINAL SECTION DETAILS
2. REFER TO DRAWING DWG-320 FOR COMMON ACCESSWAY TYPICAL CROSS SECTION DETAILS.
3. PAVEMENT FINISH DETAILS REFER TO LANDSCAPING PLANS.
4. THE EARTHWORKS SURFACE MODEL AND DRAINAGE MODEL ARE BASED ON THE TOPOGRAPHICAL PLAN PREPARED BY ENVIVO DATED 20.02.2025, LEVELS ARE IN TERMS OF NZVD 2016.
5. CONCRETE EXPANSION JOINT CUTTING:
 - CUTTING DEPTH TO BE 1/4 OF CONCRETE THICKNESS.
 - AREA TO BE LESS THAN 20m²

LEGEND:

- PROPOSED VEHICLE CROSSING
- PROPOSED IMPERMEABLE CONCRETE
- PROPOSED IMPERMEABLE PAVER
- PROPOSED PERMEABLE PAVER
- PROPOSED GRASS PAVER
- PROPOSED COBBLE STONE PAVER
- PROPOSED PRIVATE DRIVEWAY
- PROPOSED PRIVATE CATCHPIT 670X460
- PROPOSED FIELD CATCHPIT 450X450



REF	DESCRIPTION	BY	DATE
C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:

**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:

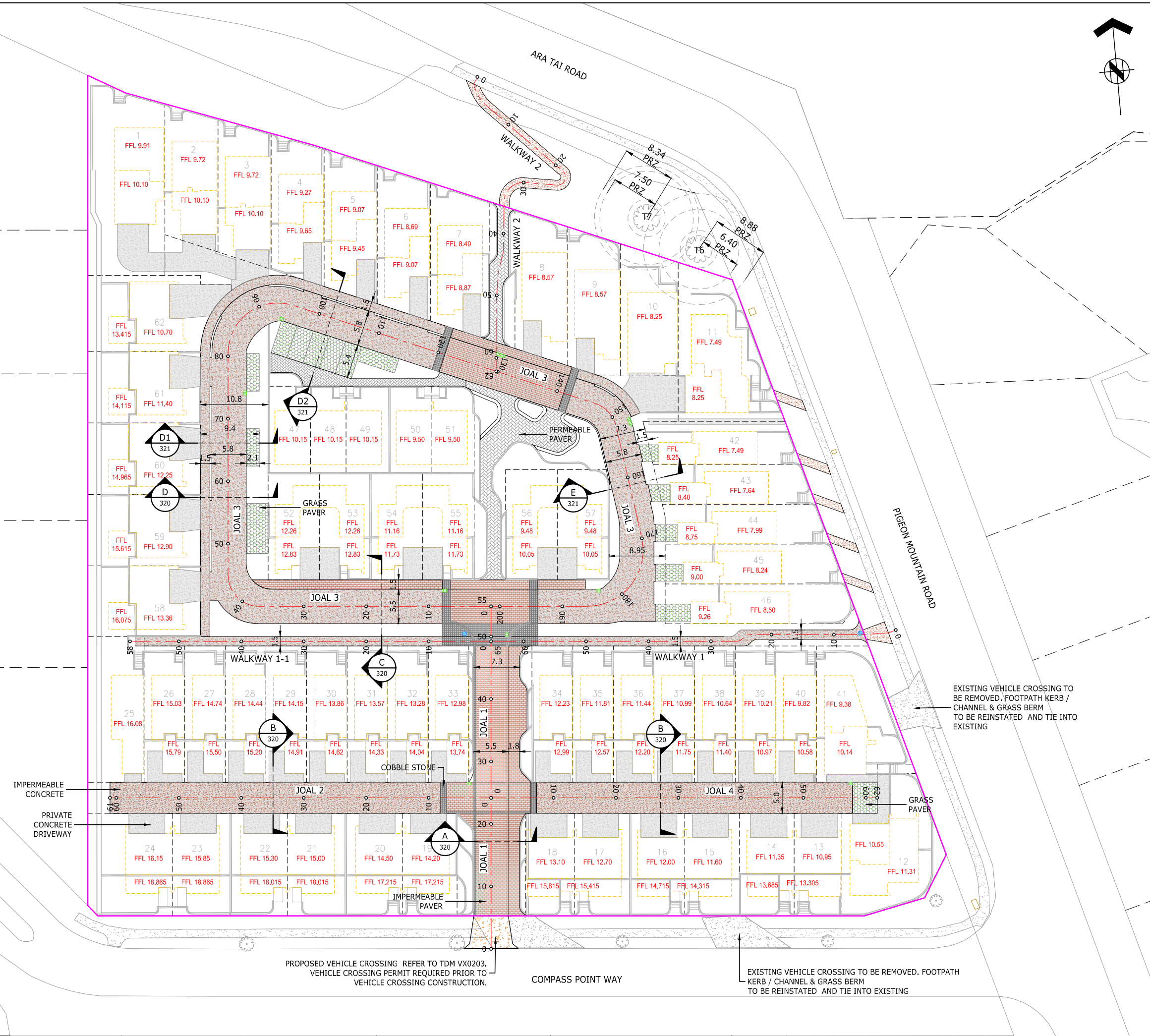
JOAL LAYOUT PLAN

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS: **RESOURCE CONSENT**

PROJECT No:	SCALES:	REV:
FP326	1:300-A1 1:600-A3	C

DRAWING No: **FP326-300**



EXISTING VEHICLE CROSSING TO BE REMOVED. FOOTPATH KERB / CHANNEL & GRASS BERM TO BE REINSTATED AND TIE INTO EXISTING

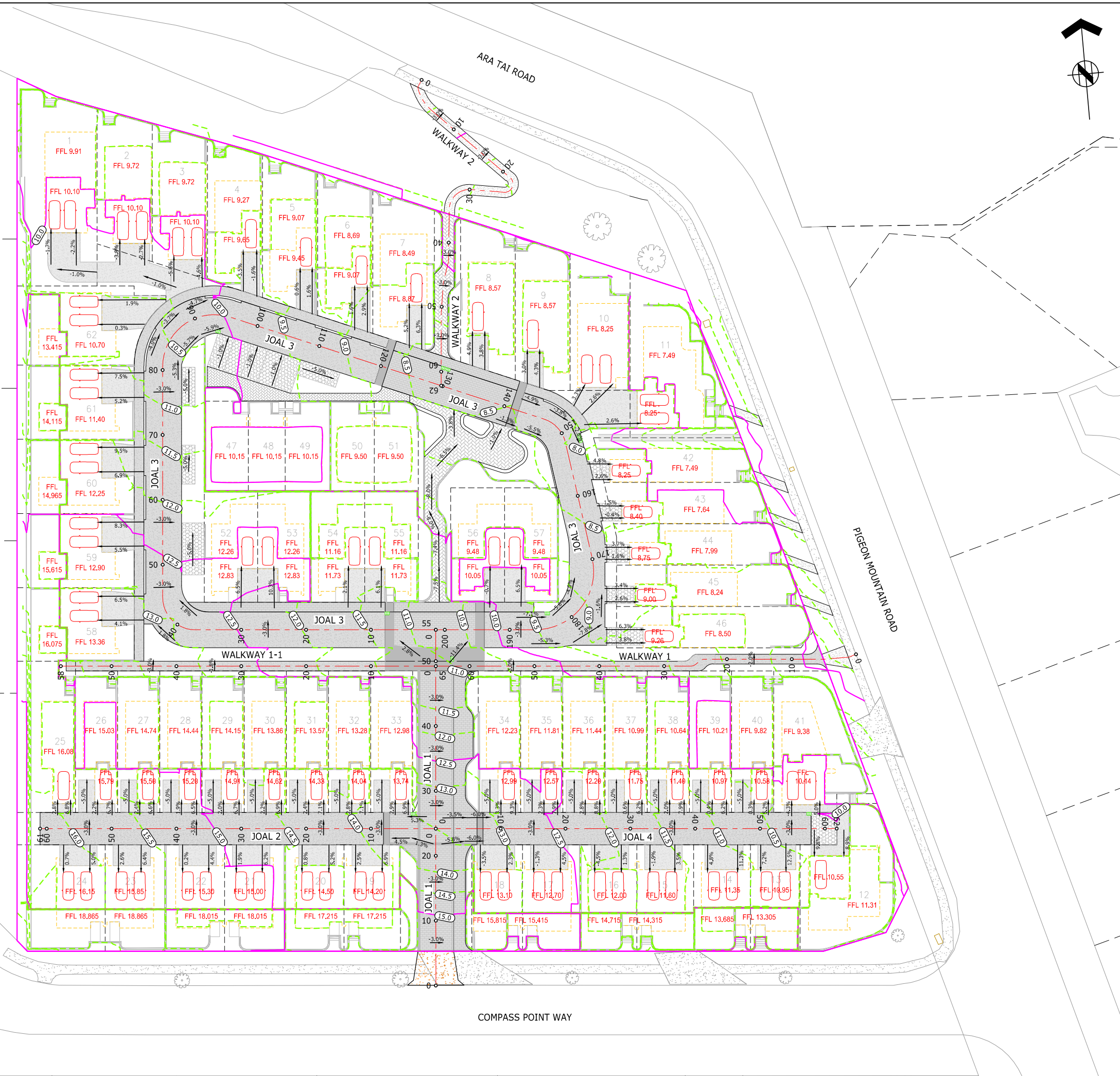
PROPOSED VEHICLE CROSSING REFER TO TDM VX0203, VEHICLE CROSSING PERMIT REQUIRED PRIOR TO VEHICLE CROSSING CONSTRUCTION.

EXISTING VEHICLE CROSSING TO BE REMOVED, FOOTPATH KERB / CHANNEL & GRASS BERM TO BE REINSTATED AND TIE INTO EXISTING

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NOTES:

1. THE EARTHWORKS SURFACE MODEL AND DRAINAGE MODEL ARE BASED ON THE TOPOGRAPHICAL PLAN PREPARED BY ENVIVO DATED 20.02.2025, LEVELS ARE IN TERMS OF NZVD 2016.
2. GRADIENT ARROW WITH POSITIVE VALUE INDICATES UPWARD SLOPE. GRADIENT ARROW WITH NEGATIVE VALUE INDICATES DOWNWARD SLOPE



B	S92	JW	23.03.26
A	S92	AS	09.02.26
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
 HALF MOON BAY**

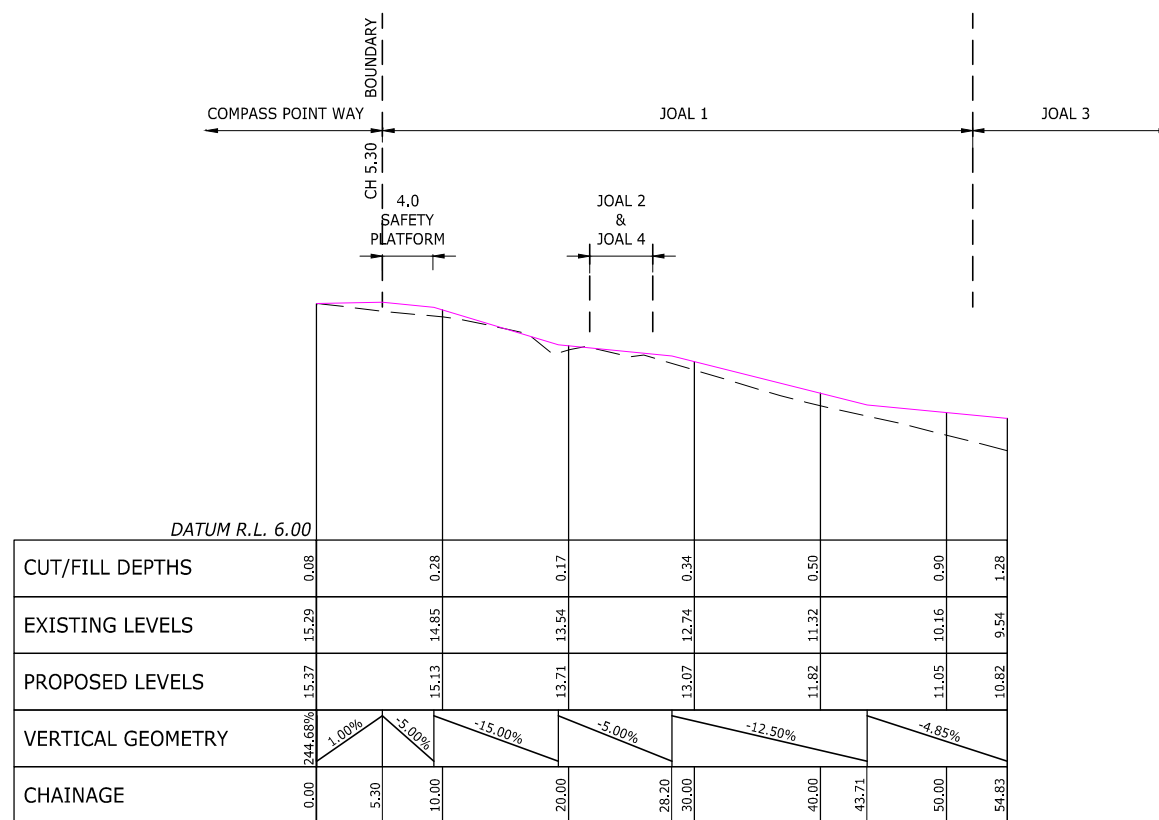
DESCRIPTION:
JOAL GRADIENT LAYOUT PLAN

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

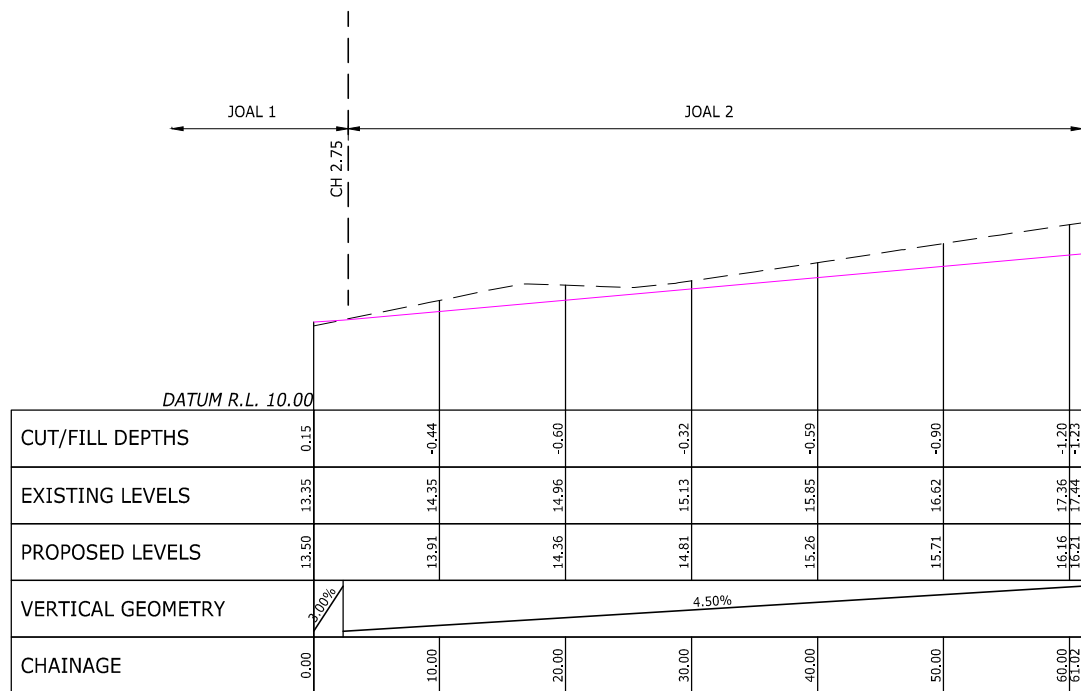
ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
FP326	1:300-A1 1:600-A3	B

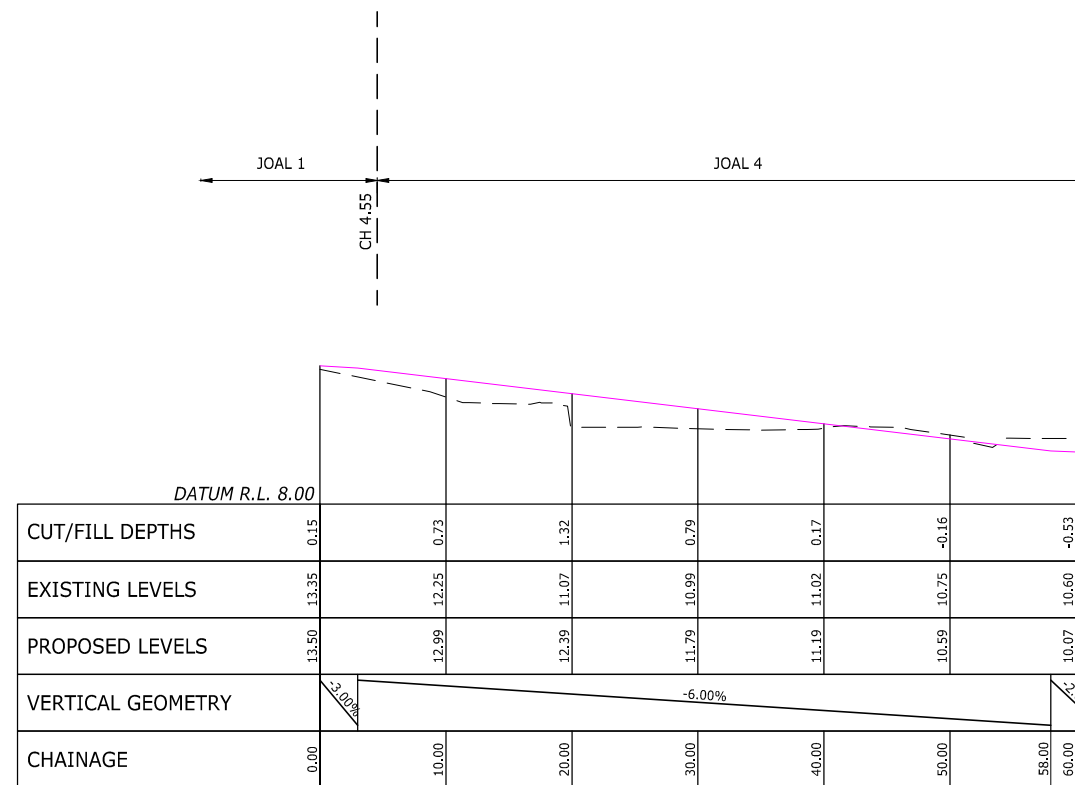
DRAWING No:
FP326-301



JOAL 1
LONGSECTION BETWEEN 0.00 AND 54.83



JOAL 2
LONGSECTION BETWEEN 0.00 AND 61.02



JOAL 4
LONGSECTION BETWEEN 0.00 AND 61.82

NOTES:

1. REFER TO DRAWING FP326-320 FOR JOAL CROSS SECTION DETAILS.
2. CONCRETE FINISH DETAILS REFER TO LANDSCAPING PLANS.

LEGEND:

- INDICATES FINISHED SURFACE LEVEL
- INDICATES EXISTING SURFACE LEVEL



B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**JOAL
LONGITUDINAL SECTIONS
SHEET 1 OF 2**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
FP326	1:300H 1:150V-A1 1:600H 1:300V-A3	B

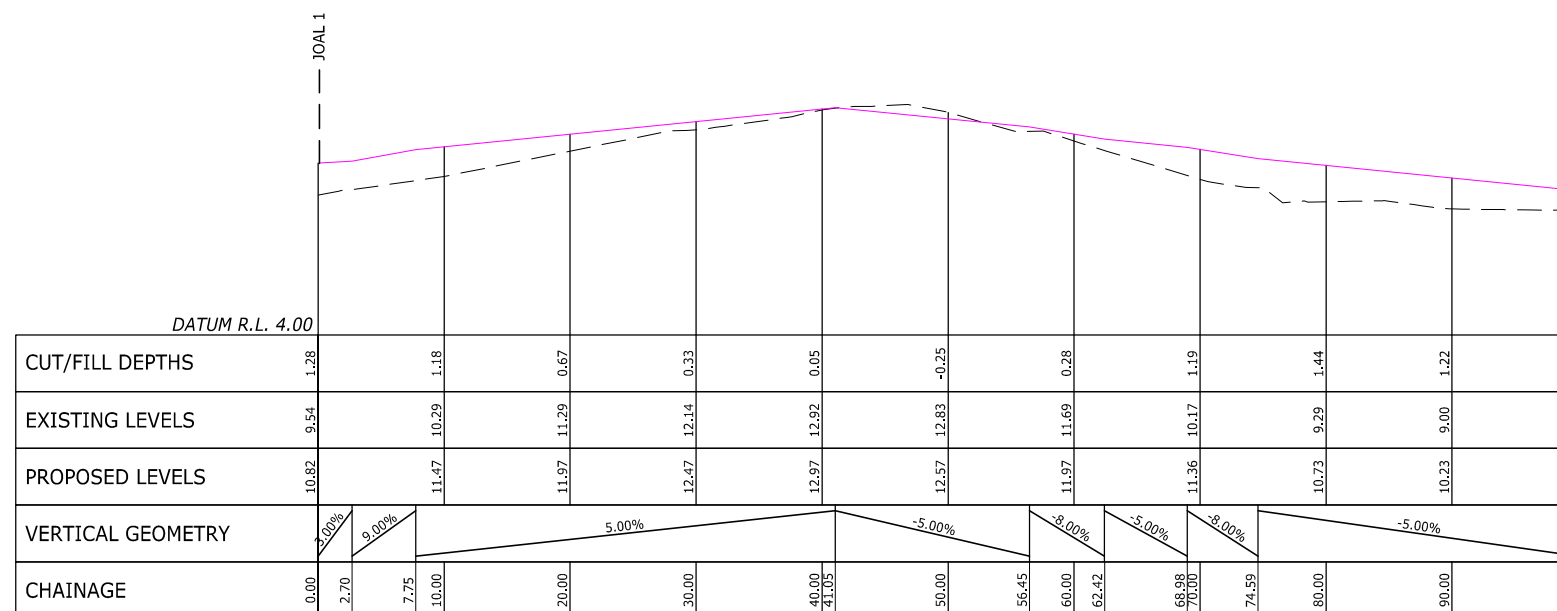
DRAWING No:
FP326-310

NOTES:

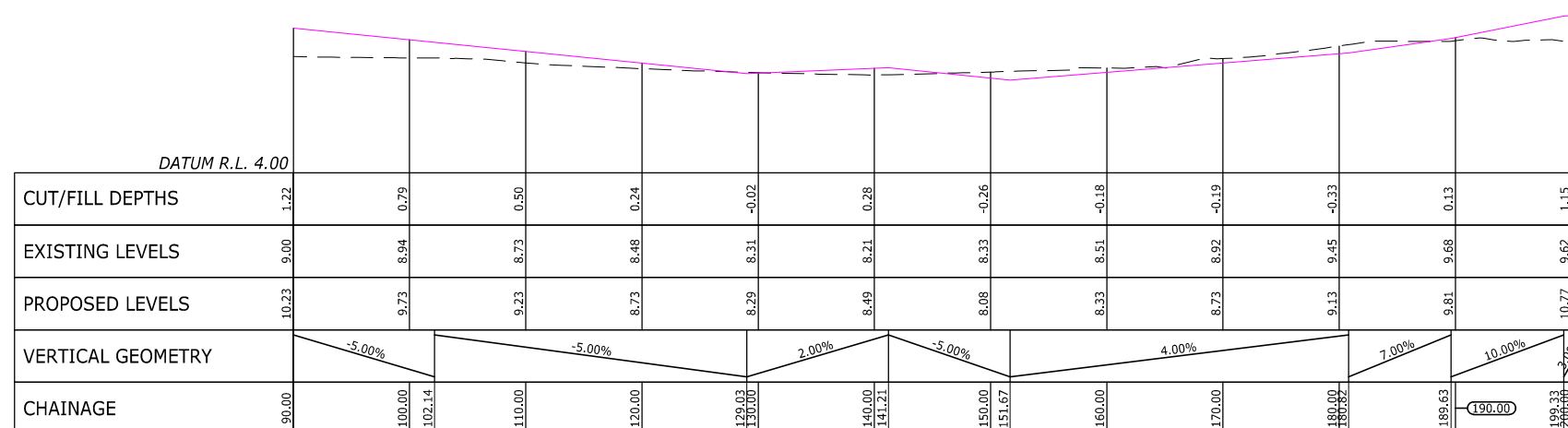
- REFER TO DRAWING FP326-320 FOR JOAL CROSS SECTION DETAILS.
- CONCRETE FINISH DETAILS REFER TO LANDSCAPING PLANS.

LEGEND:

- INDICATES FINISHED SURFACE LEVEL
- INDICATES EXISTING SURFACE LEVEL



JOAL 3
LONGSECTION BETWEEN 0.00 AND 100.00



JOAL 3
LONGSECTION BETWEEN 90.00 AND 201.36



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B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**JOAL
LONGITUDINAL SECTIONS
SHEET 2 OF 2**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
FP326	1:300H 1:150V-A1 1:600H 1:300V-A3	B

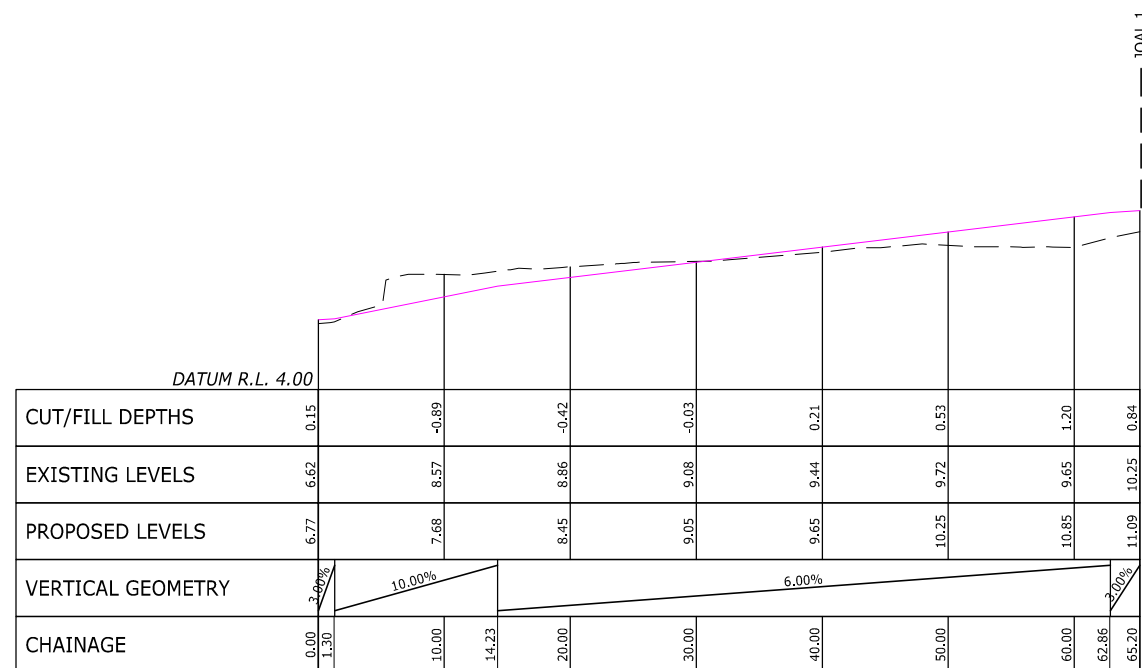
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NOTES:

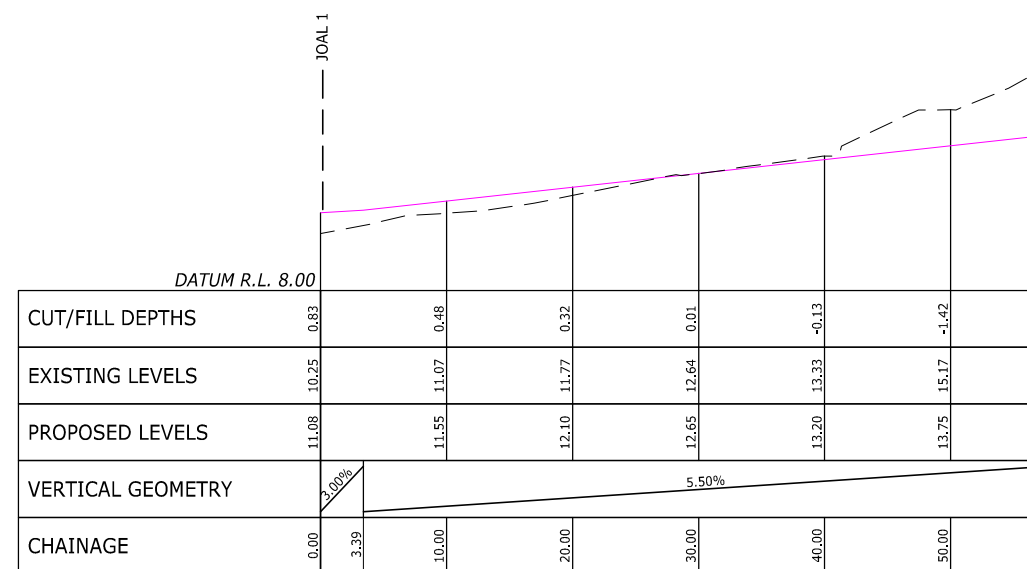
1. REFER TO DRAWING FP326-320 FOR JOAL CROSS SECTION DETAILS.
2. CONCRETE FINISH DETAILS REFER TO LANDSCAPING PLANS.

LEGEND:

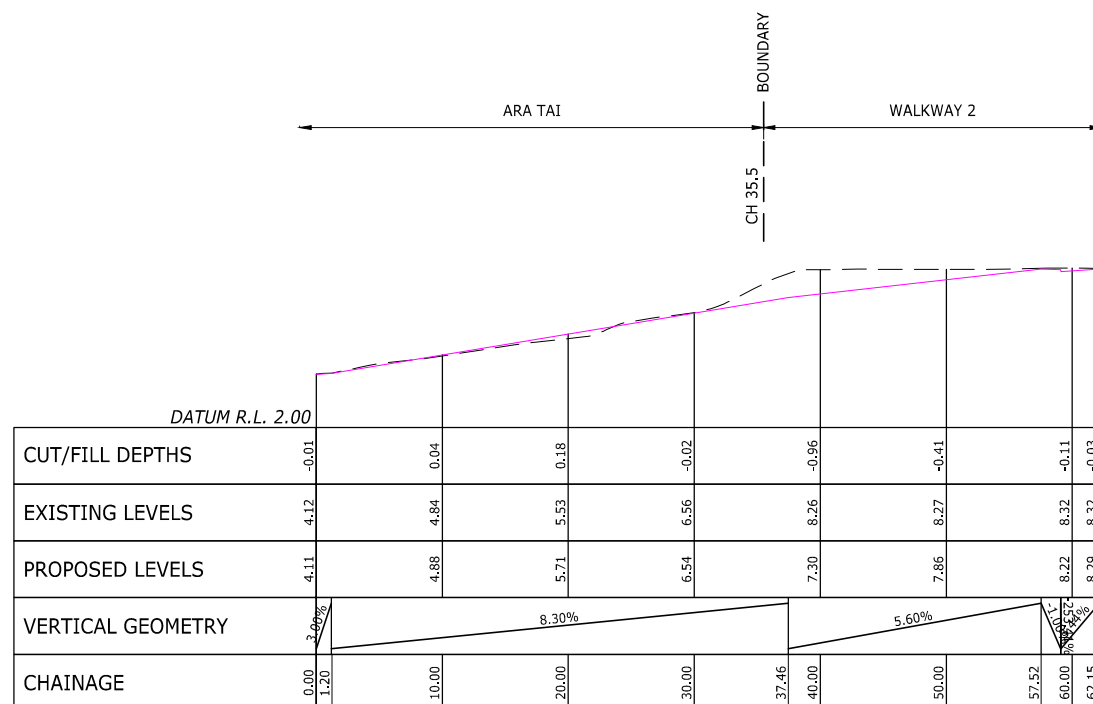
- INDICATES FINISHED SURFACE LEVEL
- - - INDICATES EXISTING SURFACE LEVEL



PROPOSED WALKWAY 1
LONGSECTION BETWEEN 0.00 AND 65.20



PROPOSED WALKWAY 1-1
LONGSECTION BETWEEN 0.00 AND 57.83



PROPOSED WALKWAY 2
LONGSECTION BETWEEN 0.00 AND 62.15



REF	DESCRIPTION	BY	DATE
C	S92	JW	23.03.26
B	S92	AS	09.01.26
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**WALKWAY
LONGITUDINAL SECTIONS**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

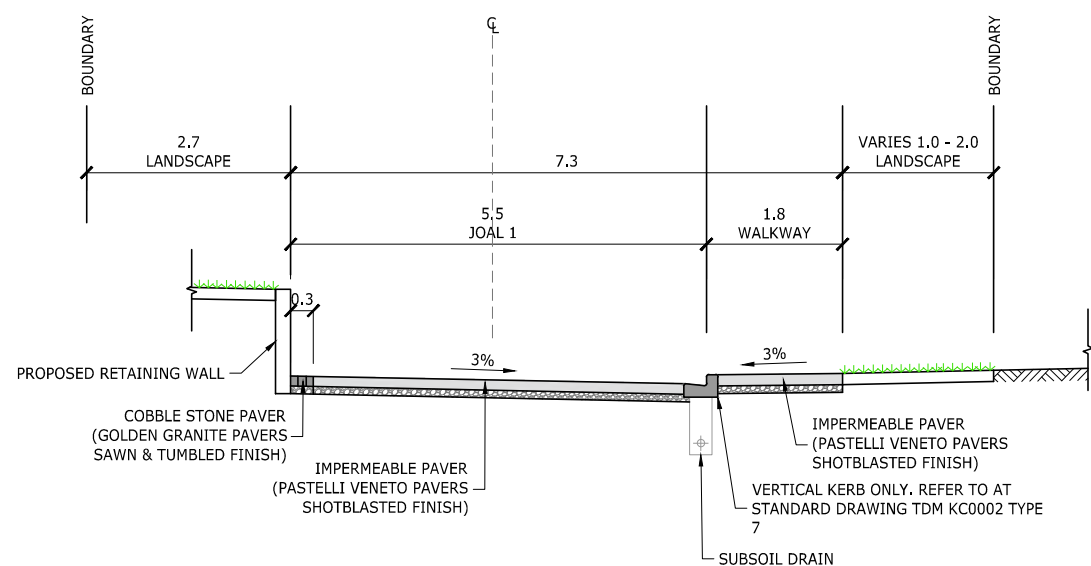
ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
FP326	1:300H 1:150V-A1 1:600H 1:300V-A3	C

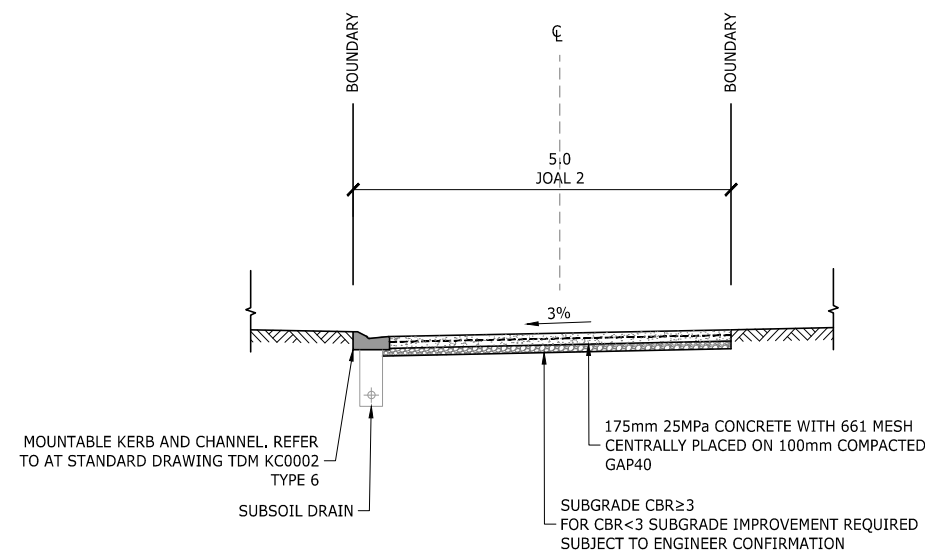
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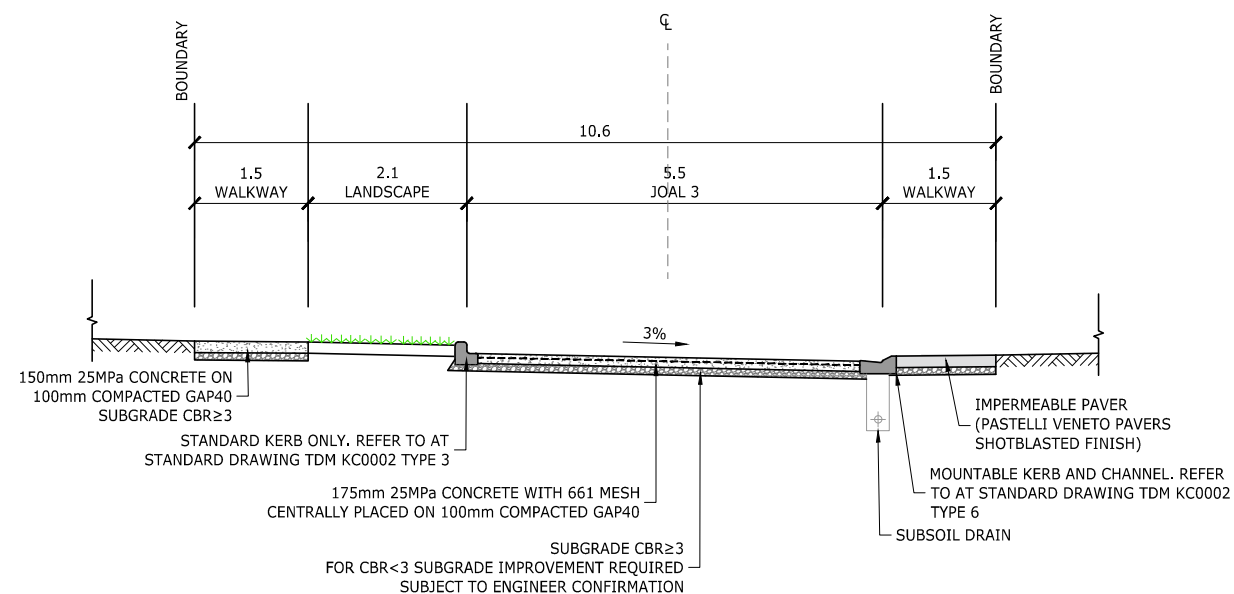
- PAVEMENT FINISH DETAILS REFER TO LANDSCAPING PLANS.
- CONCRETE EXPANSION JOINT CUTTING:
 - CUTTING DEPTH TO BE 1/4 OF CONCRETE THICKNESS.
 - AREA TO BE LESS THAN 20m²



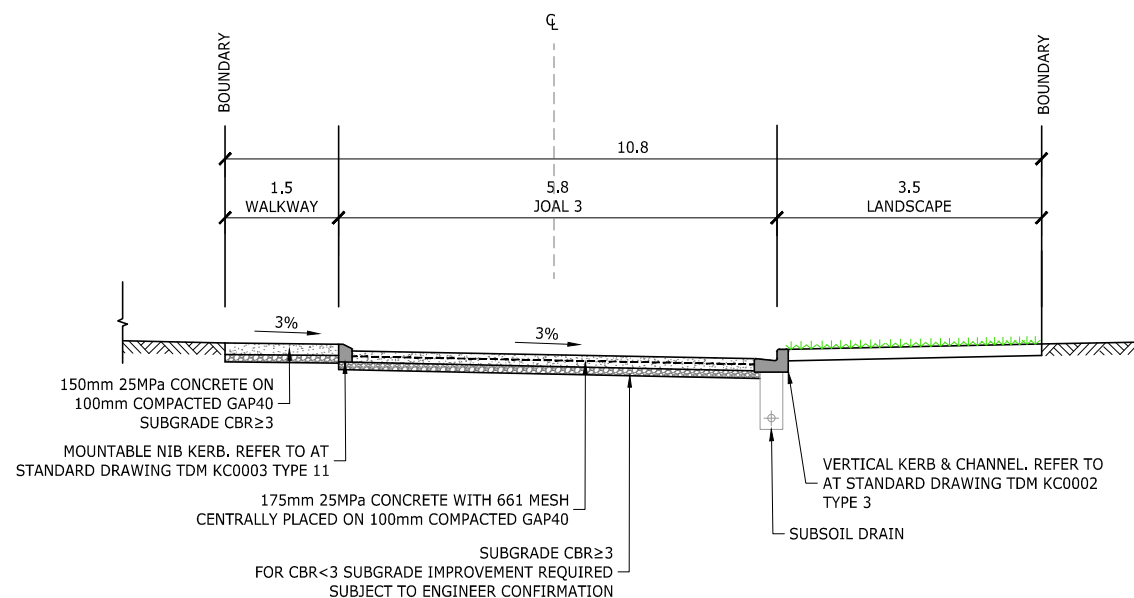
A COMMON ACCESSWAY CROSS SECTION A - JOAL 1
SCALE 1:50-A1 1:100-A3



B COMMON ACCESSWAY CROSS SECTION B - JOAL 2 AND JOAL 4
SCALE 1:50-A1 1:100-A3



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



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



C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**JOAL
TYPICAL CROSS SECTIONS
SHEET 1 OF 2**

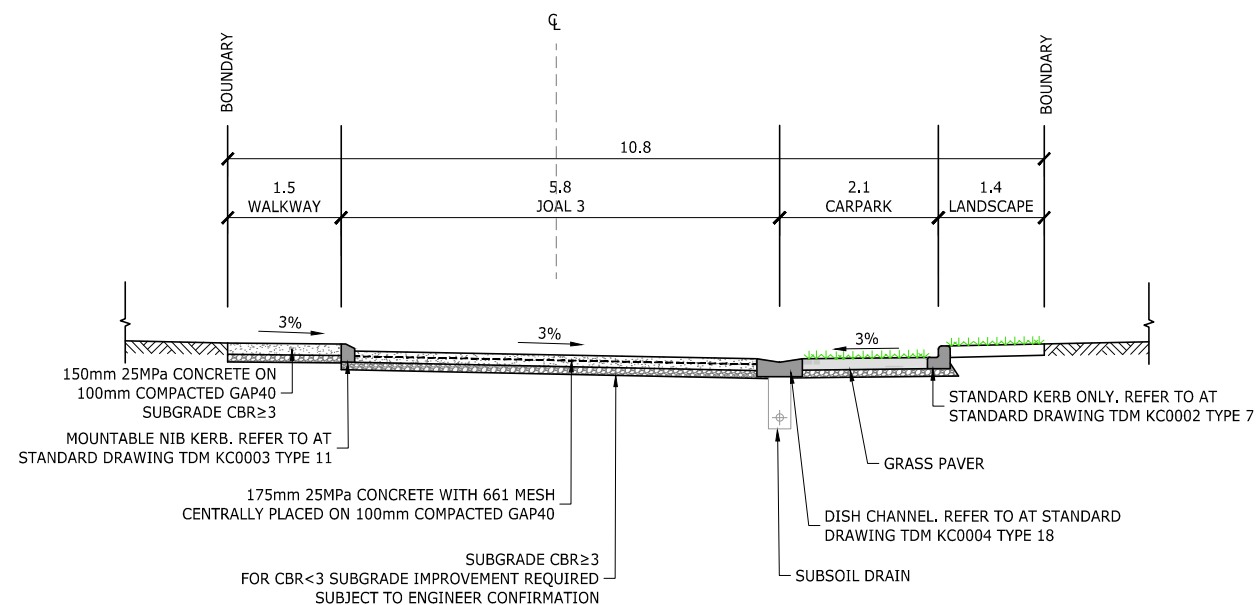
DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS: **RESOURCE CONSENT**

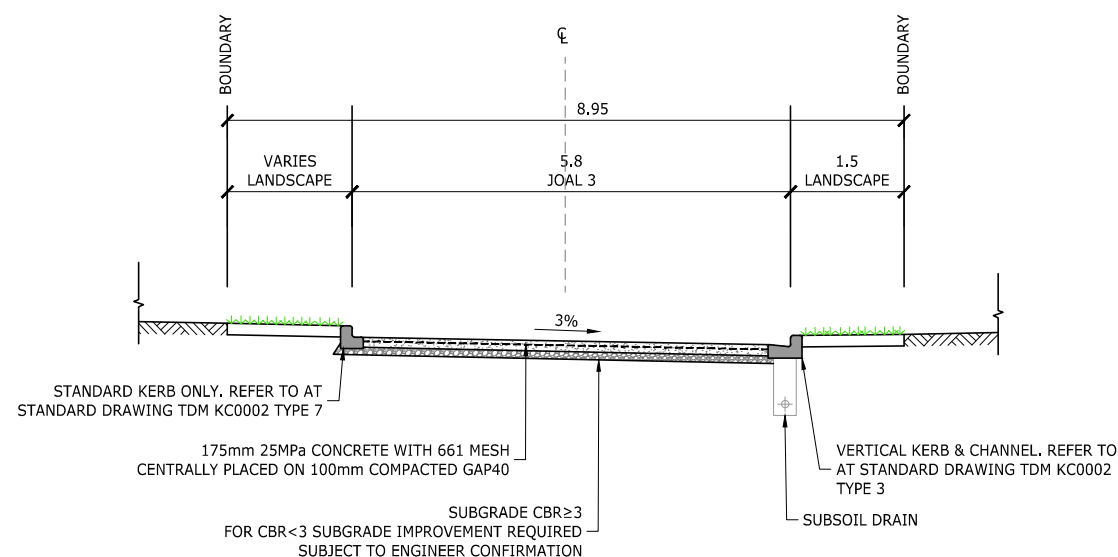
PROJECT No:	SCALES:	REV:
FP326	1:50-A1 1:100-A3	C
DRAWING No: FP326-320		

NOTES:

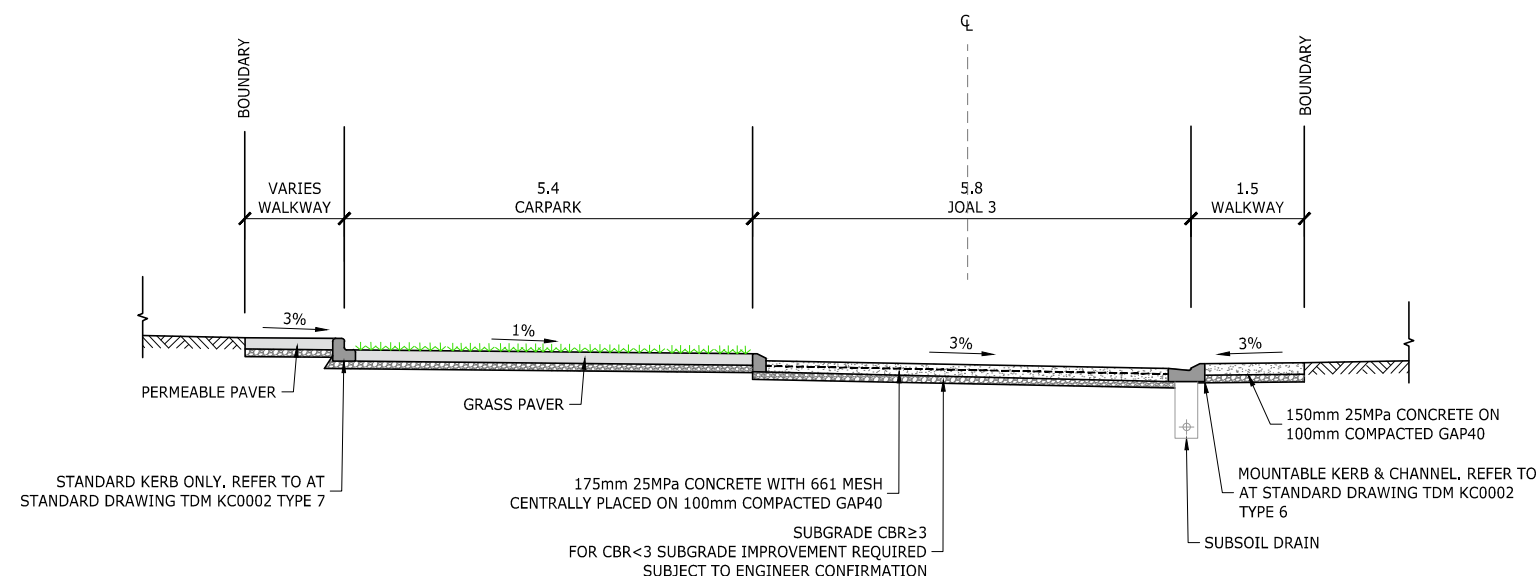
- PAVEMENT FINISH DETAILS REFER TO LANDSCAPING PLANS.
- CONCRETE EXPANSION JOINT CUTTING:
 - CUTTING DEPTH TO BE 1/4 OF CONCRETE THICKNESS.
 - AREA TO BE LESS THAN 20m²



D1 COMMON ACCESSWAY CROSS SECTION D1
300 SCALE 1:50-A1 1:100-A3



E COMMON ACCESSWAY CROSS SECTION E
300 SCALE 1:50-A1 1:100-A3



D2 COMMON ACCESSWAY CROSS SECTION D2
300 SCALE 1:50-A1 1:100-A3



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REF	DESCRIPTION	BY	DATE
C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**JOAL
TYPICAL CROSS SECTIONS
SHEET 2 OF 2**

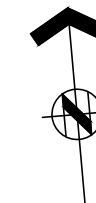
DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No: FP326	SCALES: 1:50-A1 1:100-A3	REV: C
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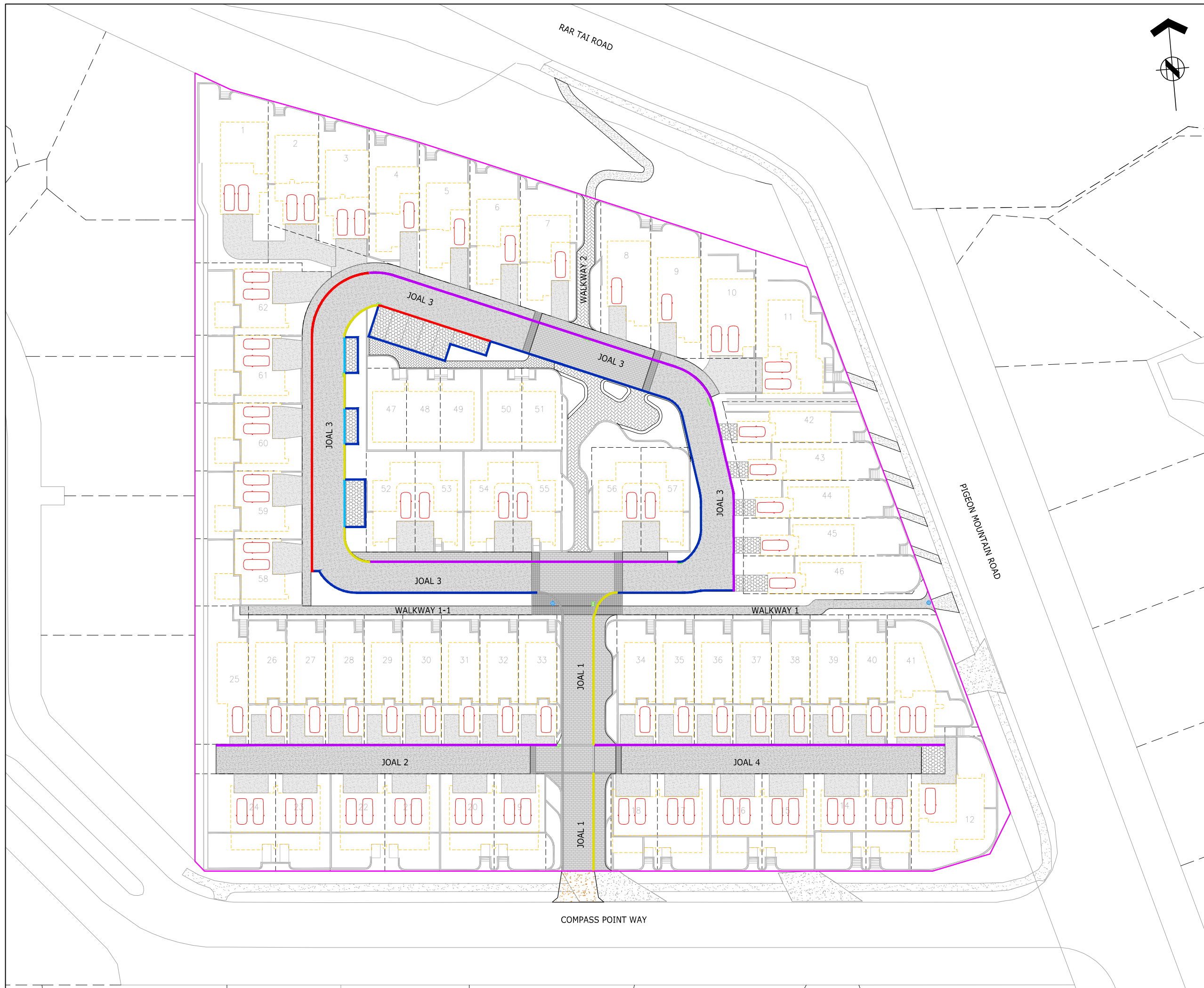
DRAWING No:
FP326-321

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LEGEND:

- MOUNTABLE KERB AND CHANNEL (TYPE 6)
- MOUNTABLE NIB KERB (TYPE 11)
- STANDARD KERB ONLY (TYPE 7)
- VERTICAL KERB AND CHANNEL (TYPE 3)
- DISH CHANNEL (TYPE 18)



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C	S92	JW	18.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

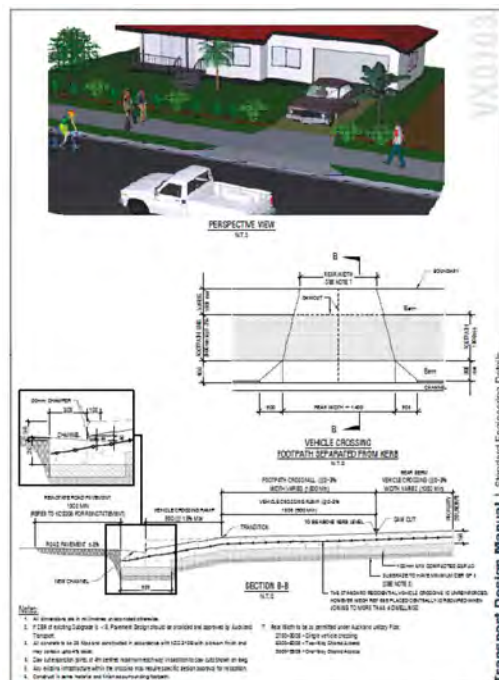
DESCRIPTION:
KERB LAYOUT PLAN

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

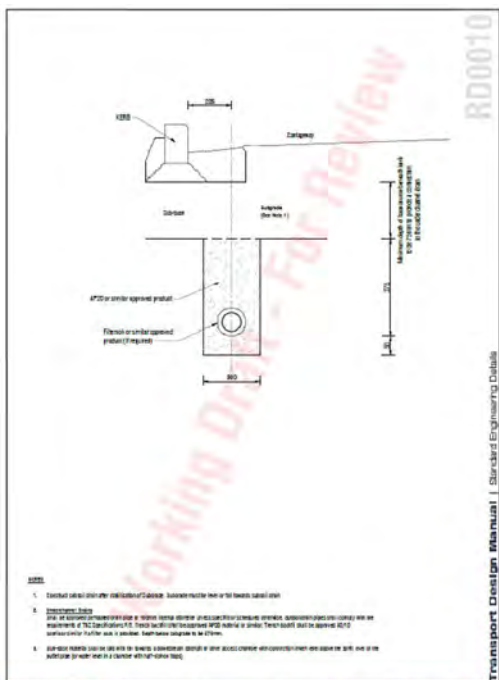
ISSUE STATUS: **RESOURCE CONSENT**

PROJECT No:	SCALES:	REV:
FP326	1:300-A1 1:600-A3	C

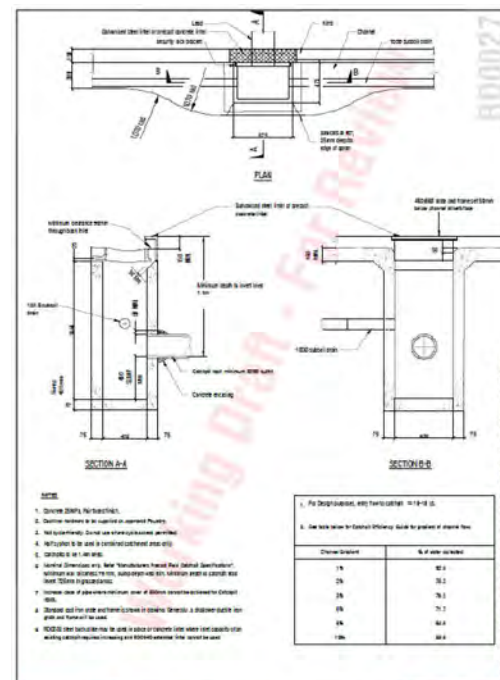
DRAWING No:
FP326-360



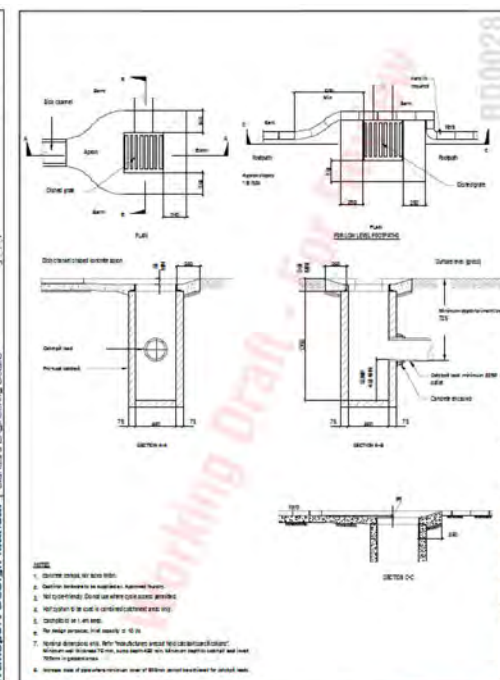
TDM TECHNICAL STANDARDS
 Residential Vehicle Crossing (Sheet 3 of 4)
 20/05/2021
VX0103 B



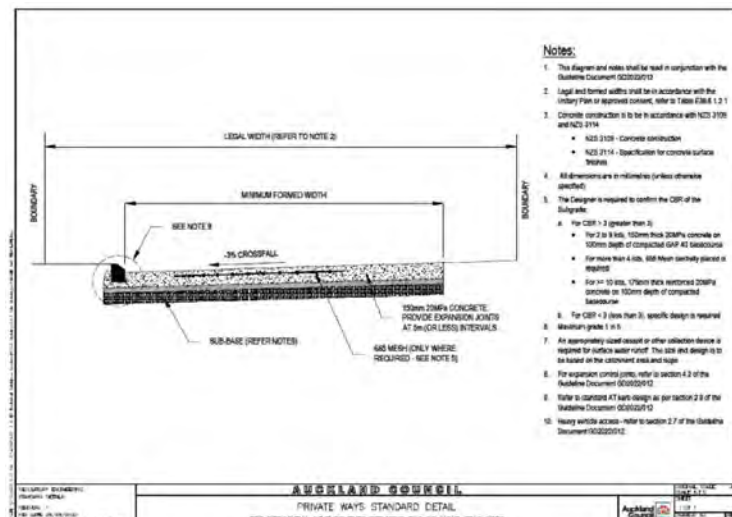
TDM TECHNICAL STANDARDS
 Subsoil drain
RD0010 A



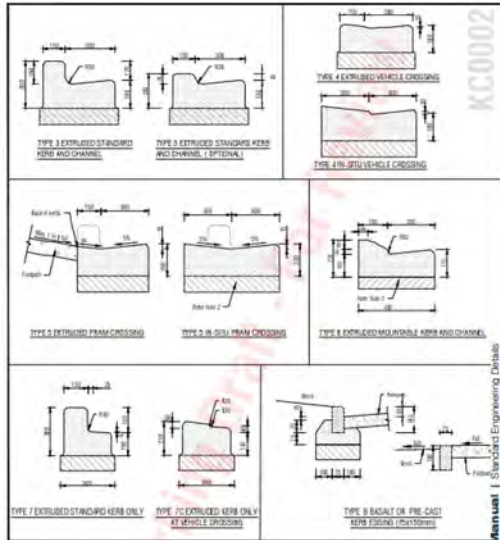
TDM TECHNICAL STANDARDS
 Standard catchpit
RD0027 A



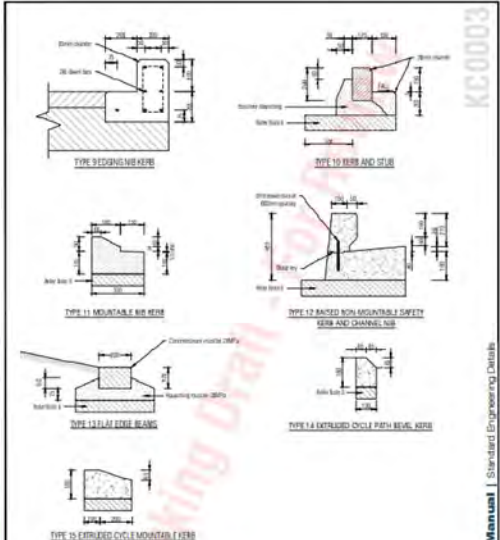
TDM TECHNICAL STANDARDS
 Field catchpit 440 x 440
RD0028 A



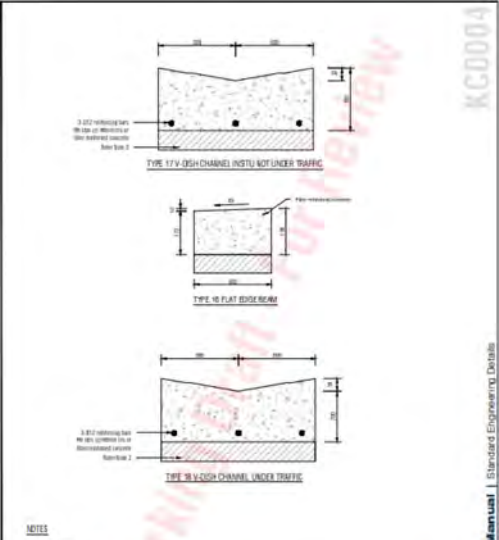
AKHILAND COUNCIL
 PRIVATE WAYS STANDARD DETAIL
 FOR RESIDENTIAL DEVELOPMENTS SERVING TWO OR MORE ROAD SPACES
AKHILAND COUNCIL
 20/05/2021
KC0002 A



TDM TECHNICAL STANDARDS
 Kerb and channel - Type 3 - 8
KC0002 A



TDM TECHNICAL STANDARDS
 Kerb and channel - Type 9 - 15
KC0003 A



TDM TECHNICAL STANDARDS
 V-Dish Channel - Type 16 to 18
KC0004 A

EIGHTY6
 CIVIL ENGINEERING
 86 MANUKAU ROAD EPSOM AUCKLAND 1023
 www.eighty6.co.nz

REF	DESCRIPTION	BY	DATE
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
3 PIGEON MOUNTAIN ROAD
HALF MOON BAY

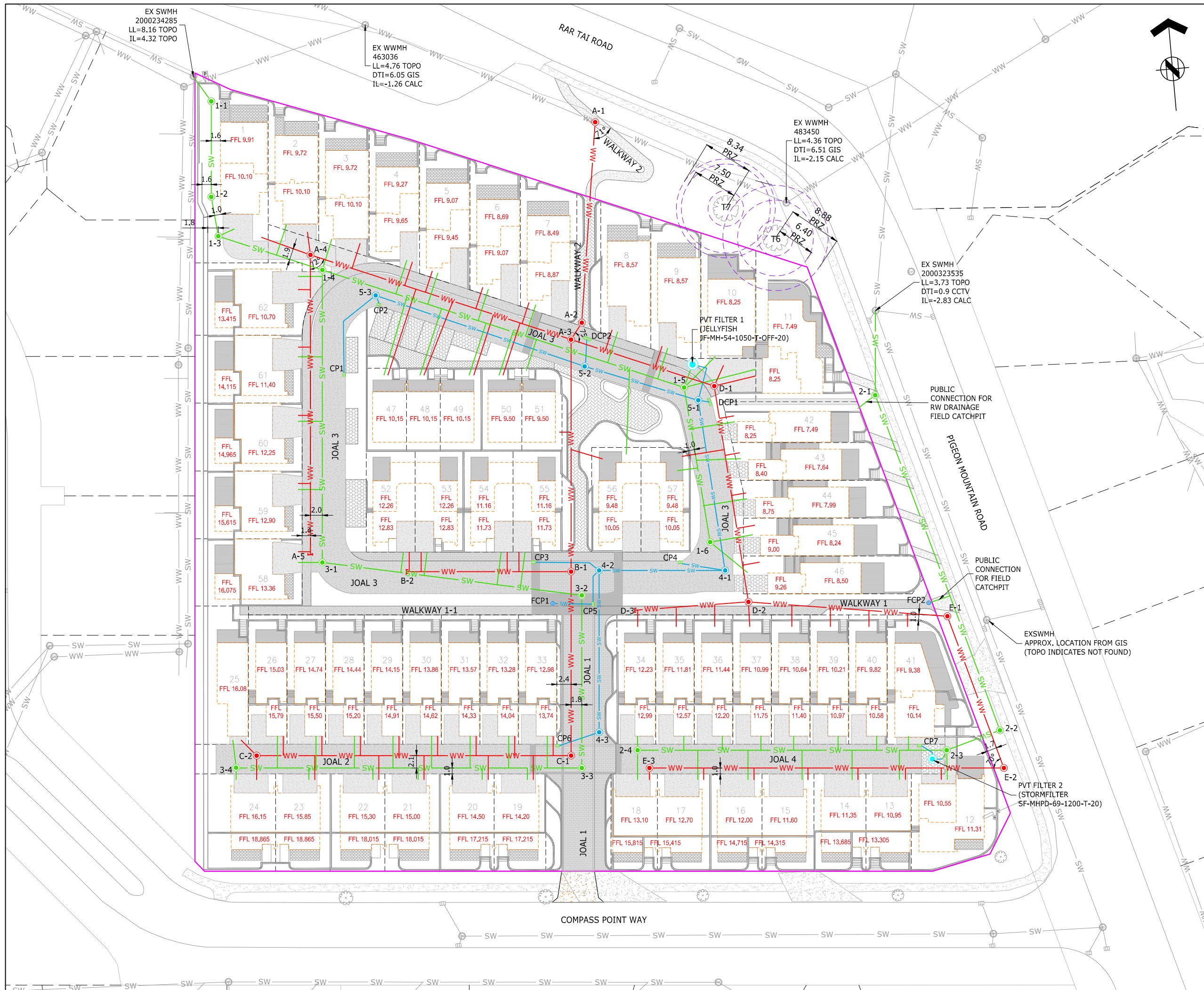
DESCRIPTION:
AT CoP (TDM) STANDARD DETAILS

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	N.T.S	REV:
FP326			A

DRAWING No:
FP326-390



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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. DETAILS OF PRIVATE DRAINAGE SYSTEM TO BE CONFIRMED AND APPROVED AT BUILDING CONSENT STAGE.
4. THE EARTHWORKS SURFACE MODEL AND DRAINAGE MODEL ARE BASED ON THE TOPOGRAPHICAL PLAN PREPARED BY ENVIVO DATED 20.01 2025, LEVELS ARE IN TERMS OF NZVD 2016.

LEGEND:

- ww- EXISTING WASTEWATER
- sw- EXISTING STORMWATER
- ww- PROPOSED PUBLIC WASTEWATER
- sw- PROPOSED PUBLIC STORMWATER
- sw- PROPOSED PRIVATE STORMWATER
- PROPOSED PRIVATE STORMWATER FILTER
- PROPOSED PRIVATE STANDARD CATCHPIT
- PROPOSED PRIVATE DOUBLE CATCHPIT
- PROPOSED PRIVATE FIELD CATCHPIT



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C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**DRAINAGE
LAYOUT PLAN**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS: **RESOURCE CONSENT**




PROJECT No:	SCALES:	REV:
FP326	1:300-A1 1:600-A3	C

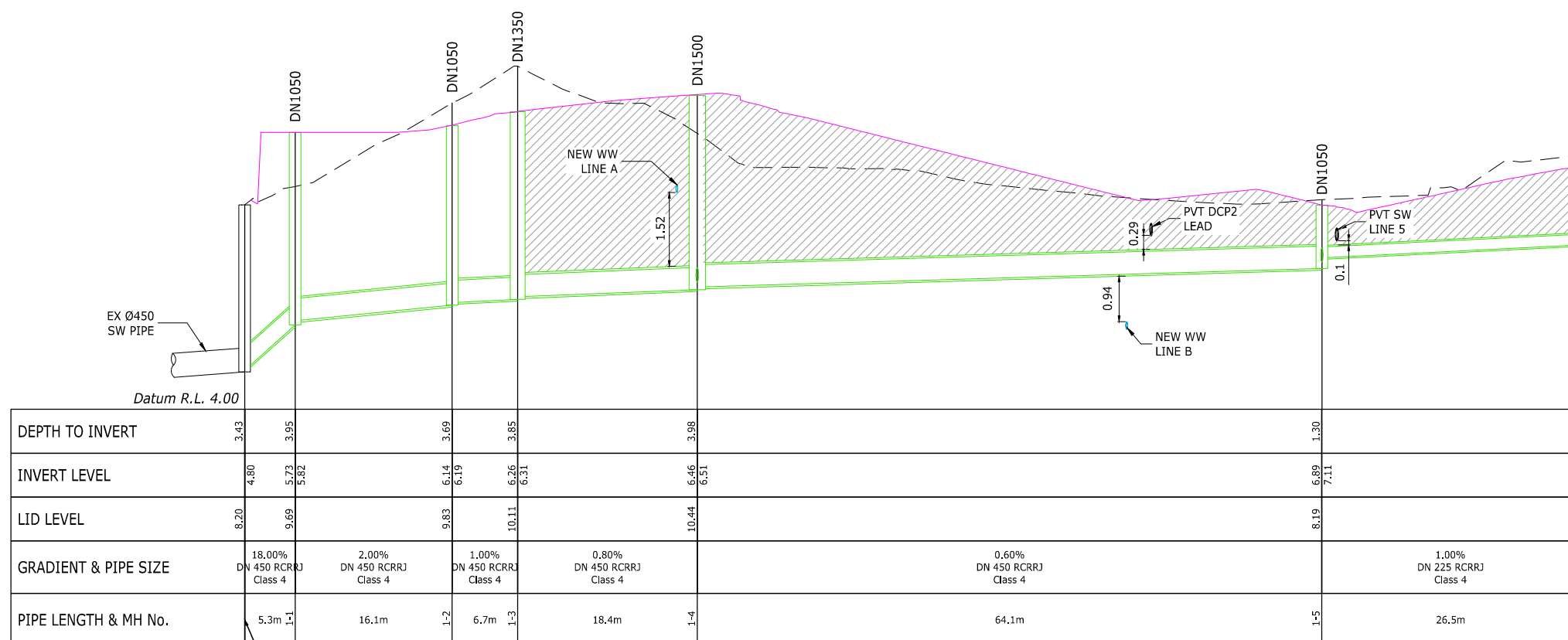
DRAWING No: **FP326-400**

NOTES:

1. STORMWATER CATCHMENT PLAN (10 YEAR STORM) REFER TO DRAWING DWG-430.
2. FOR STORMWATER ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE.

LEGEND:

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



PROPOSED STORMWATER LINE 1 (EXMH 2000234285)



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C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**STORMWATER
LONGITUDINAL SECTIONS
SHEET 1 OF 5**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		JW
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS: **RESOURCE CONSENT**

PROJECT No:	SCALES:	REV:
FP326	1:300H 1:60V-A1 1:600H 1:120V-A3	C

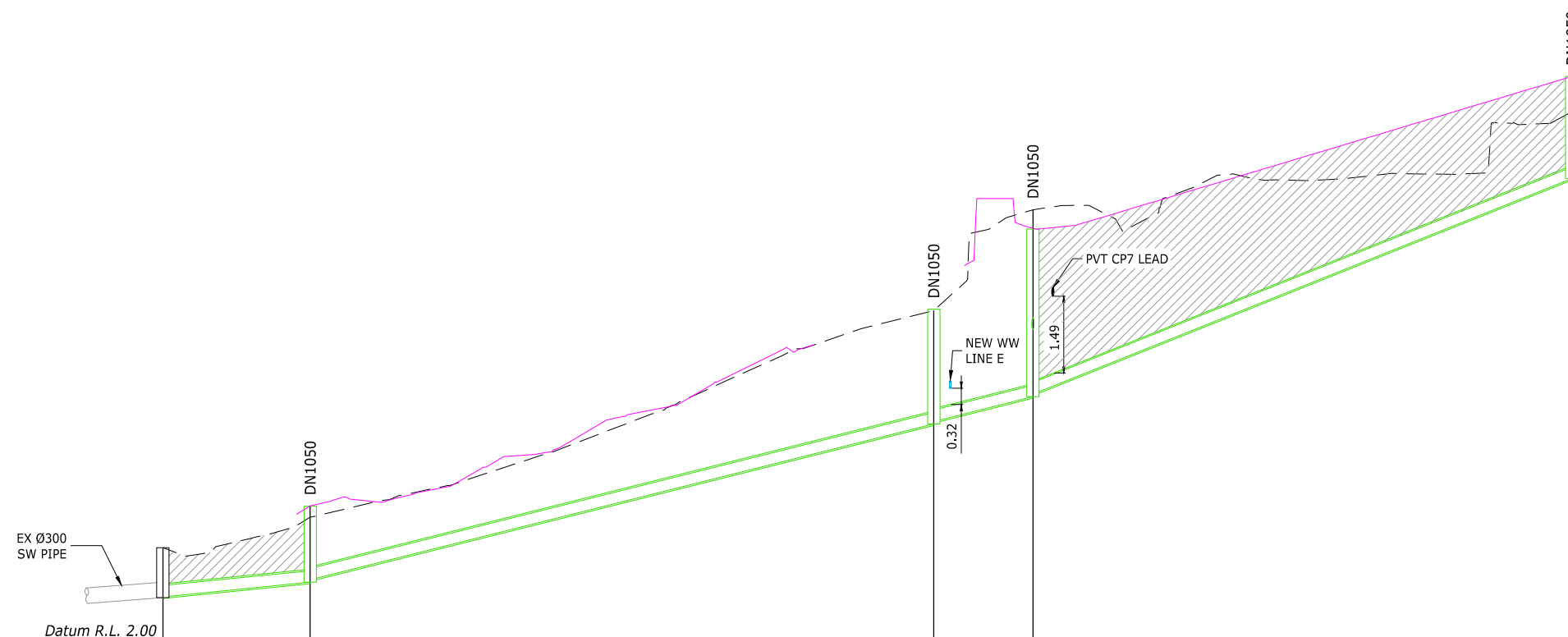
DRAWING No:
FP326-410

NOTES:

1. STORMWATER CATCHMENT PLAN (10 YEAR STORM) REFER TO DRAWING DWG-430.
2. FOR STORMWATER ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE.

LEGEND:

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



DEPTH TO INVERT	0.97	1.47	2.22	3.24	1.97
INVERT LEVEL	2.83 2.88	3.16 3.21	6.22 6.27	6.75 6.80	10.97
LID LEVEL	3.83	4.63	8.44	9.99	12.94
GRADIENT & PIPE SIZE	2.00% DN 225 RCRRJ Class 4	5.00% DN 225 RCRRJ Class 4	5.00% DN 225 RCRRJ Class 4	8.00% DN 225 RCRRJ Class 4	
PIPE LENGTH & MH No.	14.2m 2-1	60.4m	9.6m 2-3	52.3m	2-4

PROPOSED STORMWATER LINE 2



C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**STORMWATER
LONGITUDINAL SECTIONS
SHEET 2 OF 5**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
FP326	1:300H 1:60V-A1 1:600H 1:120V-A3	C

DRAWING No:
FP326-411

NOTES:

1. STORMWATER CATCHMENT PLAN (10 YEAR STORM) REFER TO DRAWING DWG-430.
2. FOR STORMWATER ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE.

LEGEND:

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



B	S92	JW	23.03.26
A	S92	AS	09.02.26
REF	DESCRIPTION	BY	DATE

PROJECT:

3 PIGEON MOUNTAIN ROAD
HALF MOON BAY

DESCRIPTION:

STORMWATER
LONGITUDINAL SECTIONS
SHEET 4 OF 5

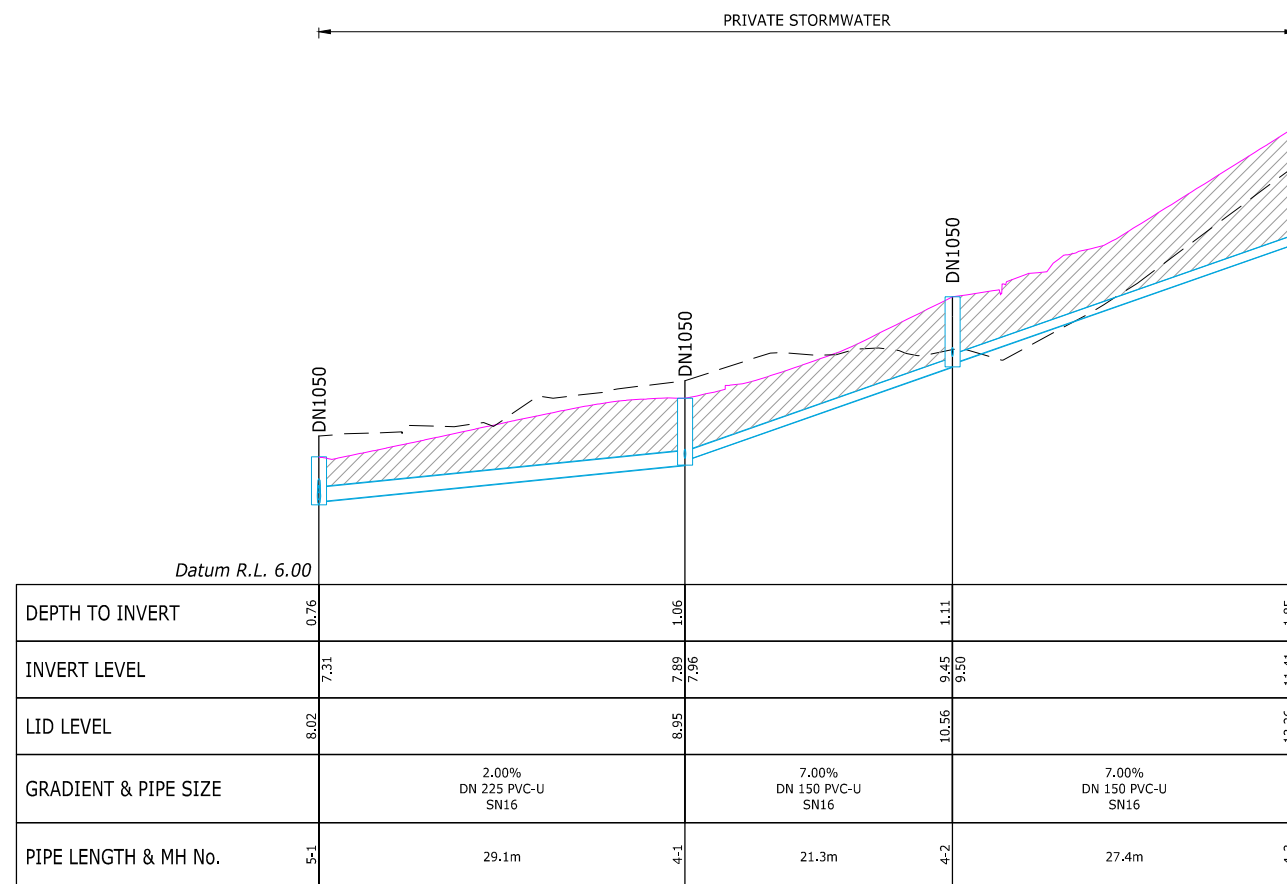
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DRAWN: JW	DATE: 17.02.25	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY DATE:

ISSUE STATUS: **RESOURCE CONSENT**

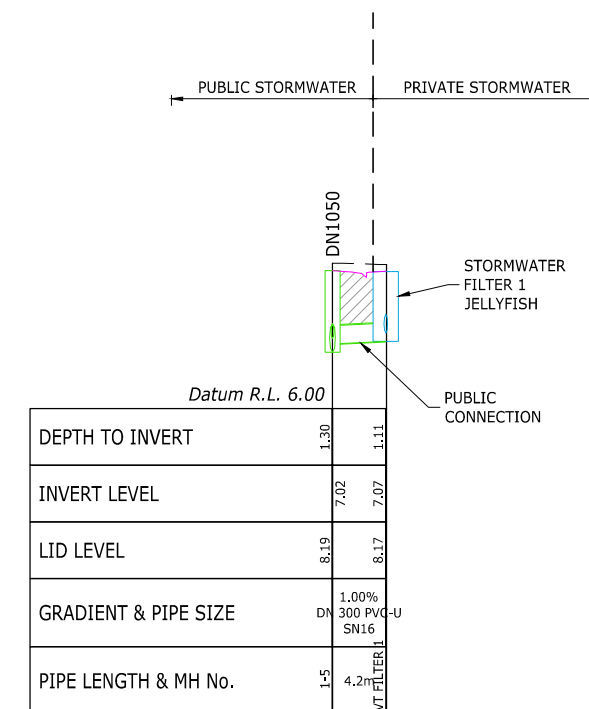
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DRAWING No:

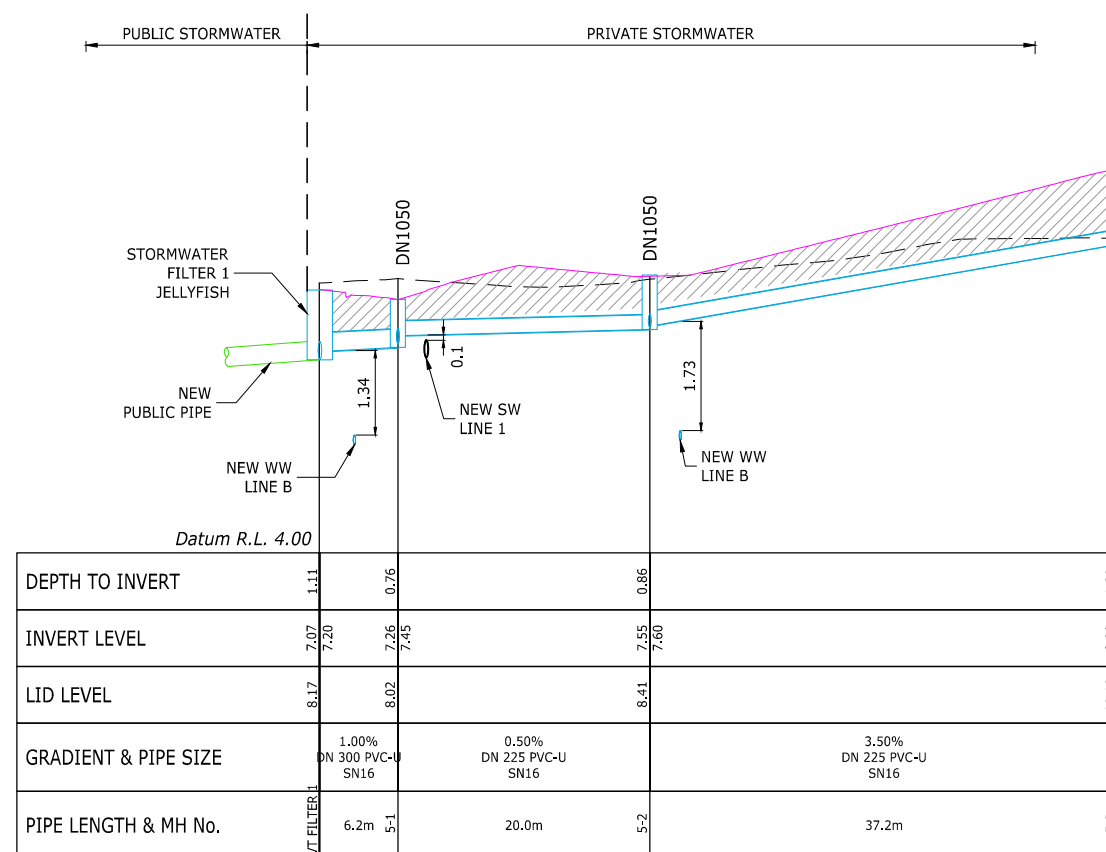
FP326-413



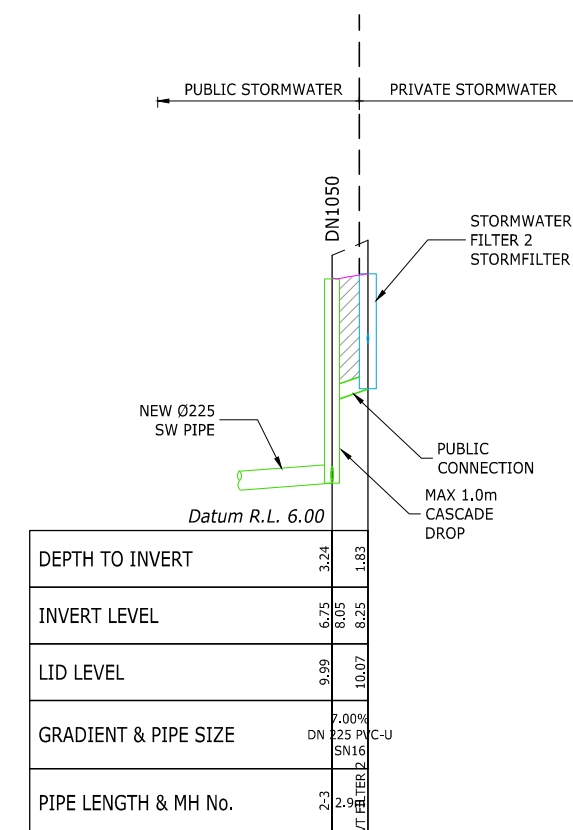
PROPOSED STORMWATER LINE 4



PROPOSED FILTER 1



PROPOSED STORMWATER LINE 5



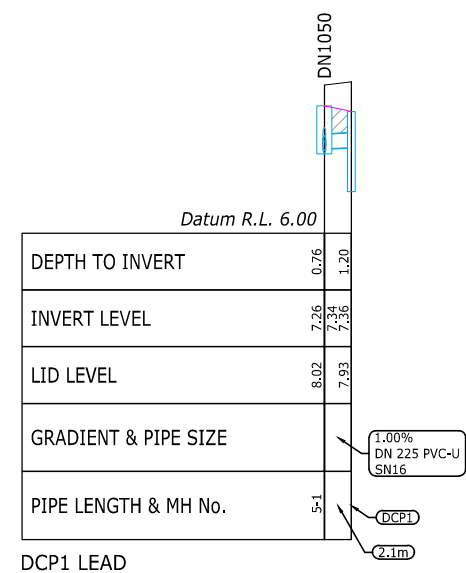
PROPOSED FILTER 2

NOTES:

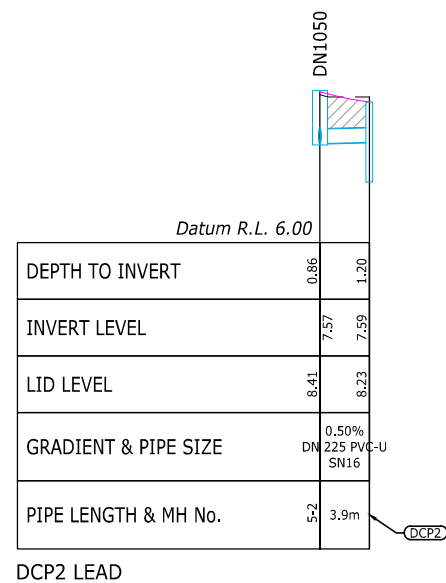
1. STORMWATER CATCHMENT PLAN (10 YEAR STORM) REFER TO DRAWING DWG-430.
2. FOR STORMWATER ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL STORMWATER CODE OF PRACTICE.

LEGEND:

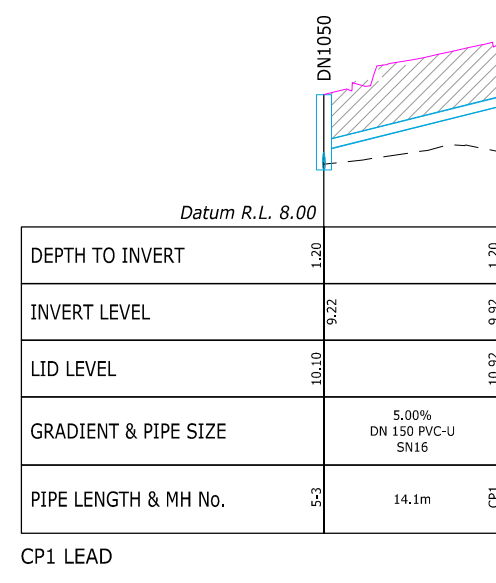
- INDICATES FINISHED GROUND SURFACE
- INDICATES EXISTING GROUND SURFACE
- HARDFILL BACKFILL



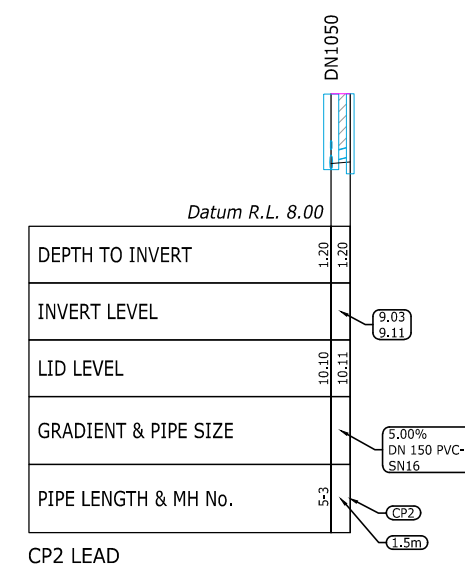
DCP1 LEAD



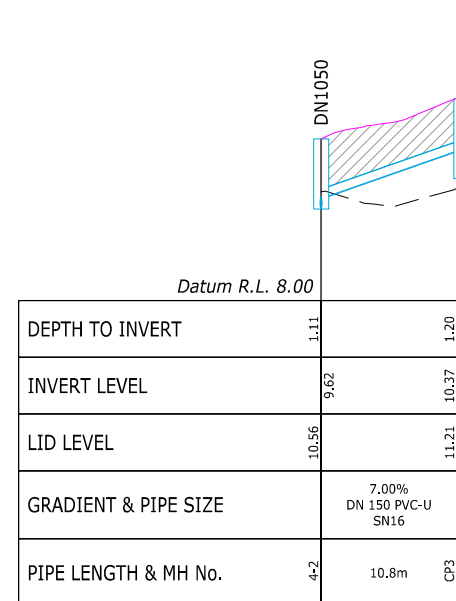
DCP2 LEAD



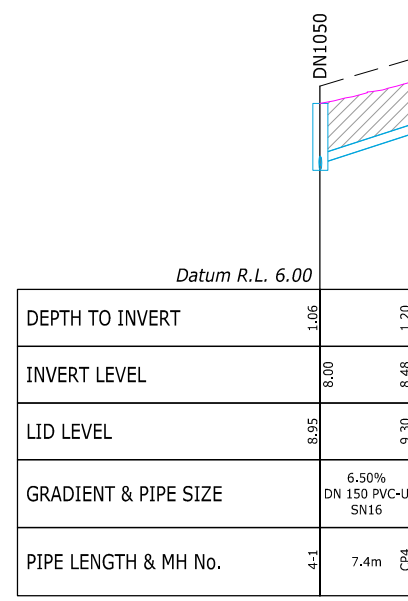
CP1 LEAD



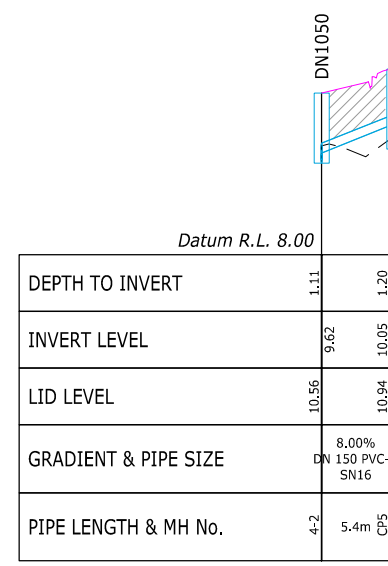
CP2 LEAD



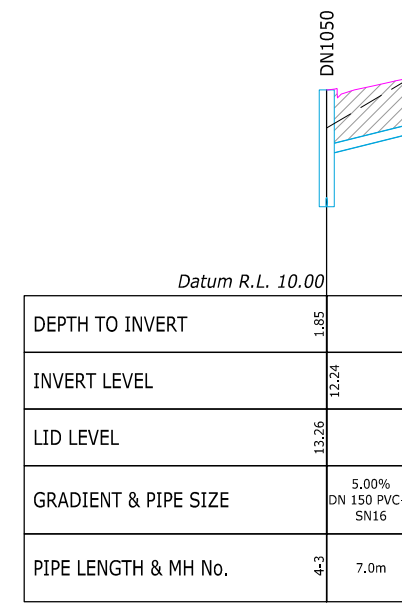
CP3 LEAD



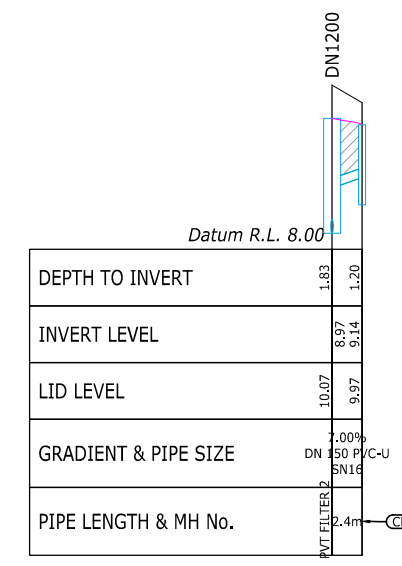
CP4 LEAD



CP5 LEAD



CP6 LEAD



CP7 LEAD



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B	S92	JW	23.03.26
A	S92	AS	09.02.26
REF	DESCRIPTION	BY	DATE

PROJECT:

**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:

**STORMWATER
LONGITUDINAL SECTIONS
SHEET 5 OF 5**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:

RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
FP326	1:300H 1:60V-A1 1:600H 1:120V-A3	B



DRAWING No:

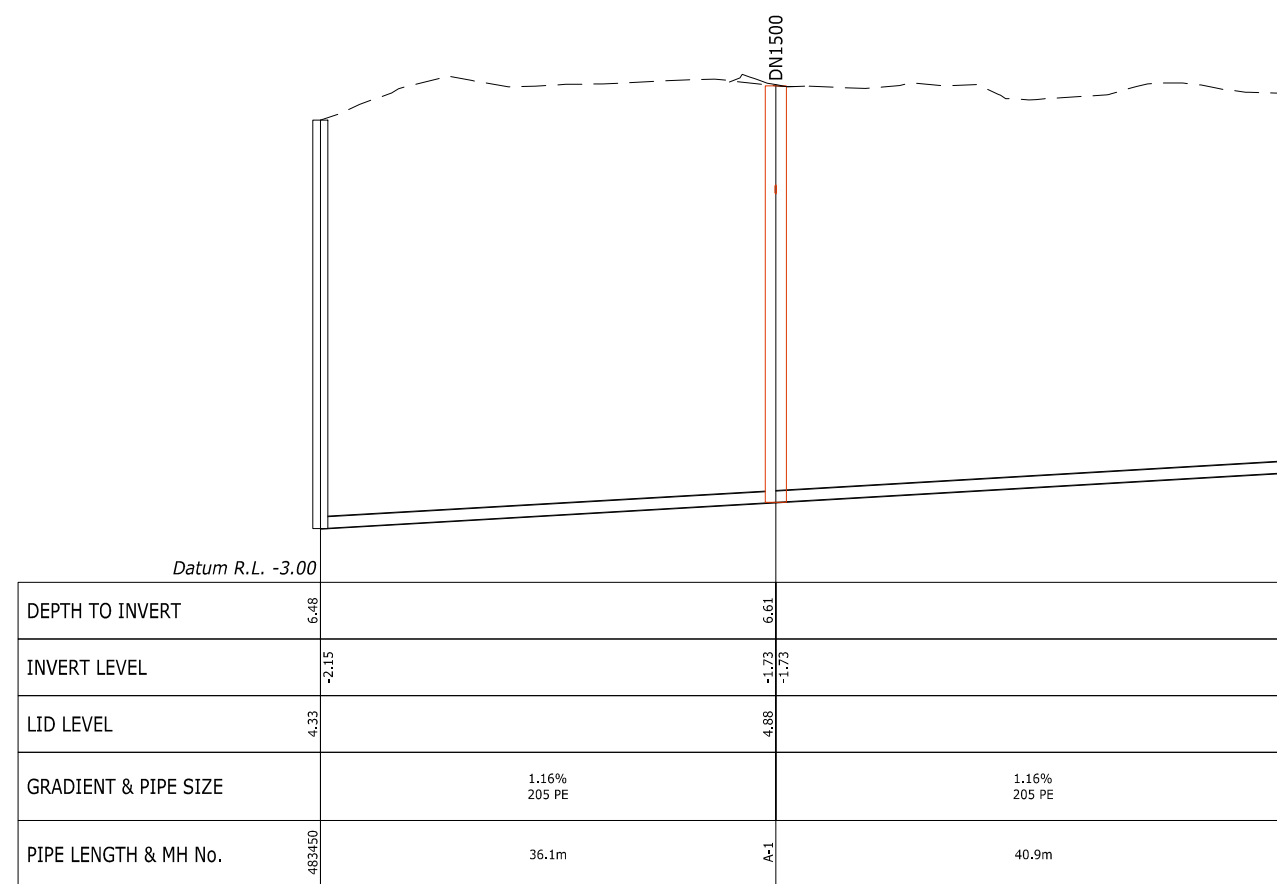
FP326-414

NOTES:

1. WASTEWATER CATCHMENT PLAN REFER TO DRAWING DWG-440.
2. FOR WASTEWATER ALL WORKS AND MATERIALS TO COMPLY WITH WATERCARE WASTEWATER CODE OF PRACTICE.

LEGEND:

-  INDICATES FINISHED GROUND SURFACE
-  INDICATES EXISTING GROUND SURFACE



EXISTING WASTEWATER LINE



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B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**WASTEWATER
LONGITUDINAL SECTIONS
SHEET 1 OF 4**

DESIGNED: JW	DATE: 17.02.25	SIGNATURE:	PLOT BY:
DRAWN: JW	DATE: 17.02.25	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY DATE:

ISSUE STATUS:
RESOURCE CONSENT




PROJECT No: FP326	SCALES: 1:300H 1:60V-A1 1:600H 1:120V-A3	REV: B
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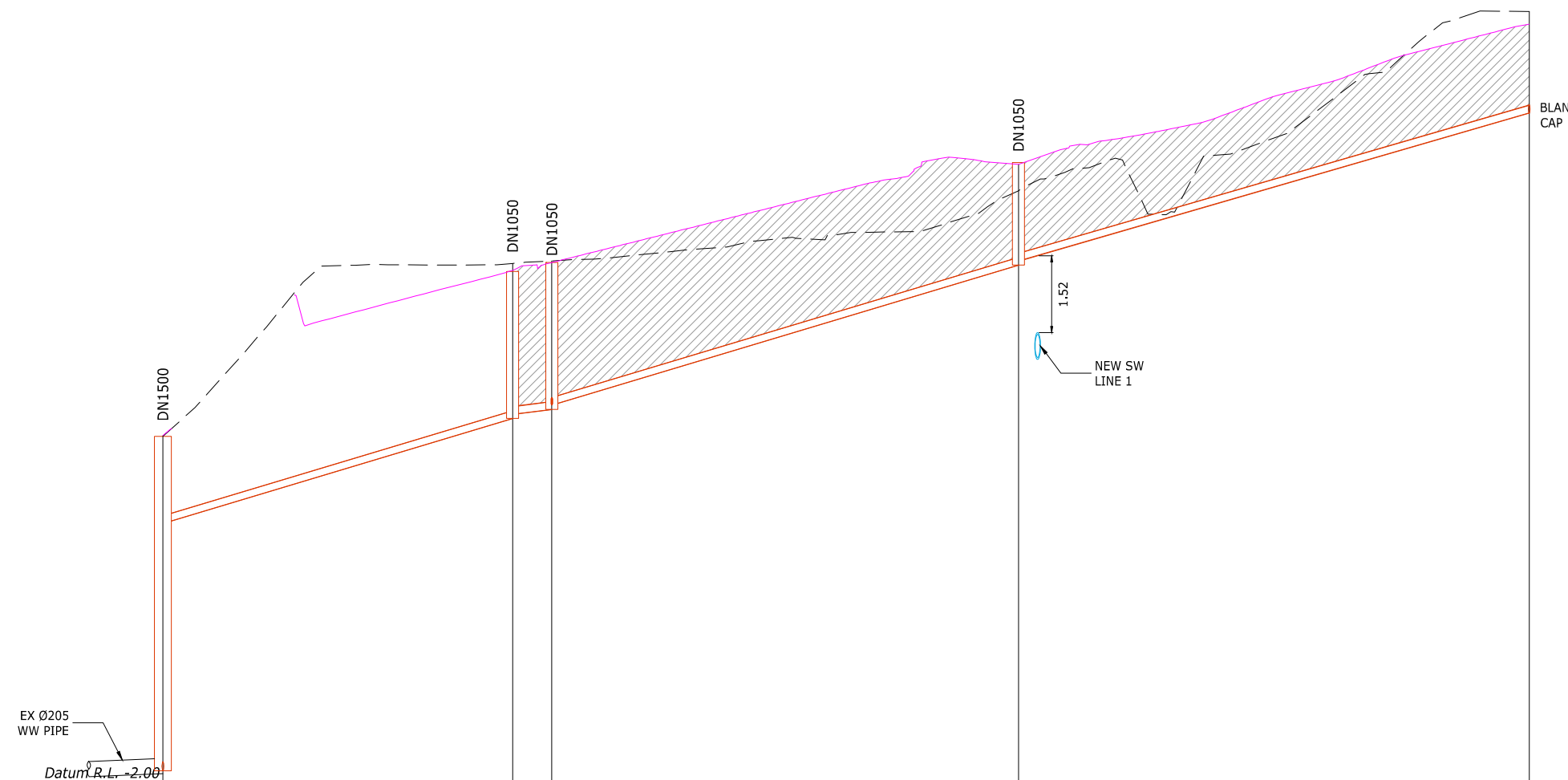
DRAWING No:
FP326-415

NOTES:

1. WASTEWATER CATCHMENT PLAN REFER TO DRAWING DWG-440.
2. FOR WASTEWATER ALL WORKS AND MATERIALS TO COMPLY WITH WATERCARE WASTEWATER CODE OF PRACTICE.

LEGEND:

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



DEPTH TO INVERT	6.61	2.91	2.90	2.03	1.76
INVERT LEVEL	-1.79 3.16	5.24 5.32	5.42 5.50	8.27 8.35	11.28
LID LEVEL	4.88	8.14	8.32	10.20	13.04
GRADIENT & PIPE SIZE		6.00% DN 150 PVC-U SN16	2.50% DN 150 PVC-U SN16	6.00% DN 150 PVC-U SN16	5.80% DN 150 PVC-U SN16
PIPE LENGTH & MH No.	A-1	34.7m	A-2 3.9m	A-3 46.3m	A-4 50.6m

PROPOSED WASTEWATER LINE A



B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

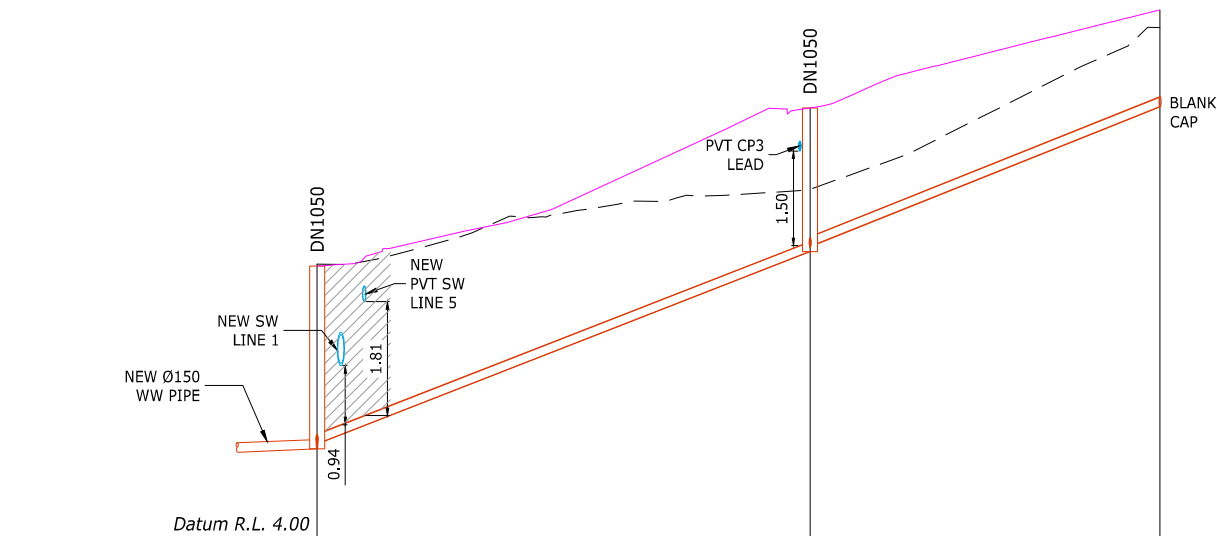
DESCRIPTION:
**WASTEWATER
LONGITUDINAL SECTIONS
SHEET 2 OF 4**

DESIGNED: JW	DATE: 17.02.25	SIGNATURE:	PLOT BY:
DRAWN: JW	DATE: 17.02.25	SIGNATURE:	PLOT DATE:
CHECKED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY BY:
APPROVED: SX	DATE: 28.02.25	SIGNATURE:	SURVEY DATE:

ISSUE STATUS:
RESOURCE CONSENT

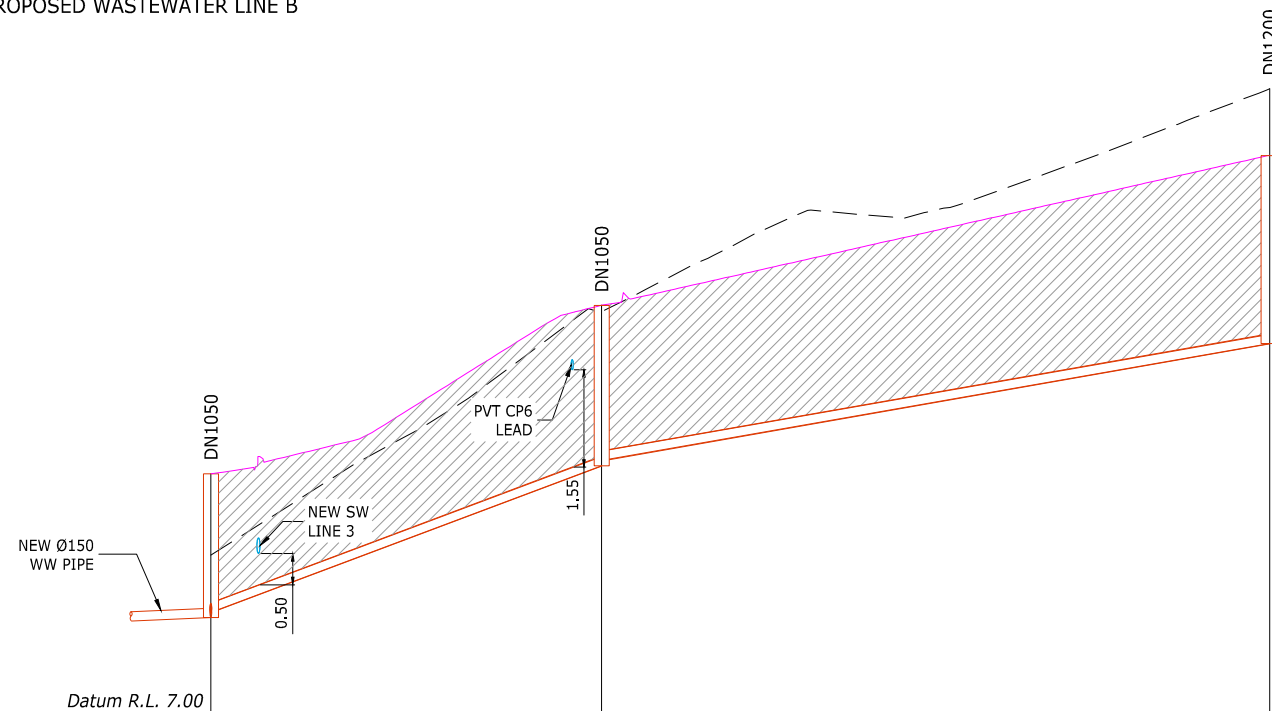
PROJECT No: FP326	SCALES: 1:300H 1:60V-A1 1:600H 1:120V-A3	REV: B
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DRAWING No:
FP326-416



	A-3	B-1	B-2
DEPTH TO INVERT	2.90	2.29	1.54
INVERT LEVEL	5.42 5.50	8.55 8.63	10.85
LID LEVEL	8.32	10.83	12.39
GRADIENT & PIPE SIZE	7.80% DN 150 PVC-U SN16		8.00% DN 150 PVC-U SN16
PIPE LENGTH & MH No.	A-3	B-1	B-2
	39.2m		27.9m

PROPOSED WASTEWATER LINE B



	B-1	C-1	C-2
DEPTH TO INVERT	2.29	2.54	2.98
INVERT LEVEL	8.55 8.63	10.96 11.04	12.90
LID LEVEL	10.83	13.50	15.88
GRADIENT & PIPE SIZE	7.50% DN 150 PVC-U SN16		3.50% DN 150 PVC-U SN16
PIPE LENGTH & MH No.	B-1	C-1	C-2
	31.1m		53.0m

PROPOSED WASTEWATER LINE C

NOTES:

1. WASTEWATER CATCHMENT PLAN REFER TO DRAWING DWG-440.
2. FOR WASTEWATER ALL WORKS AND MATERIALS TO COMPLY WITH WATERCARE WASTEWATER CODE OF PRACTICE.

LEGEND:

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



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B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**WASTEWATER
LONGITUDINAL SECTIONS
SHEET 3 OF 4**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

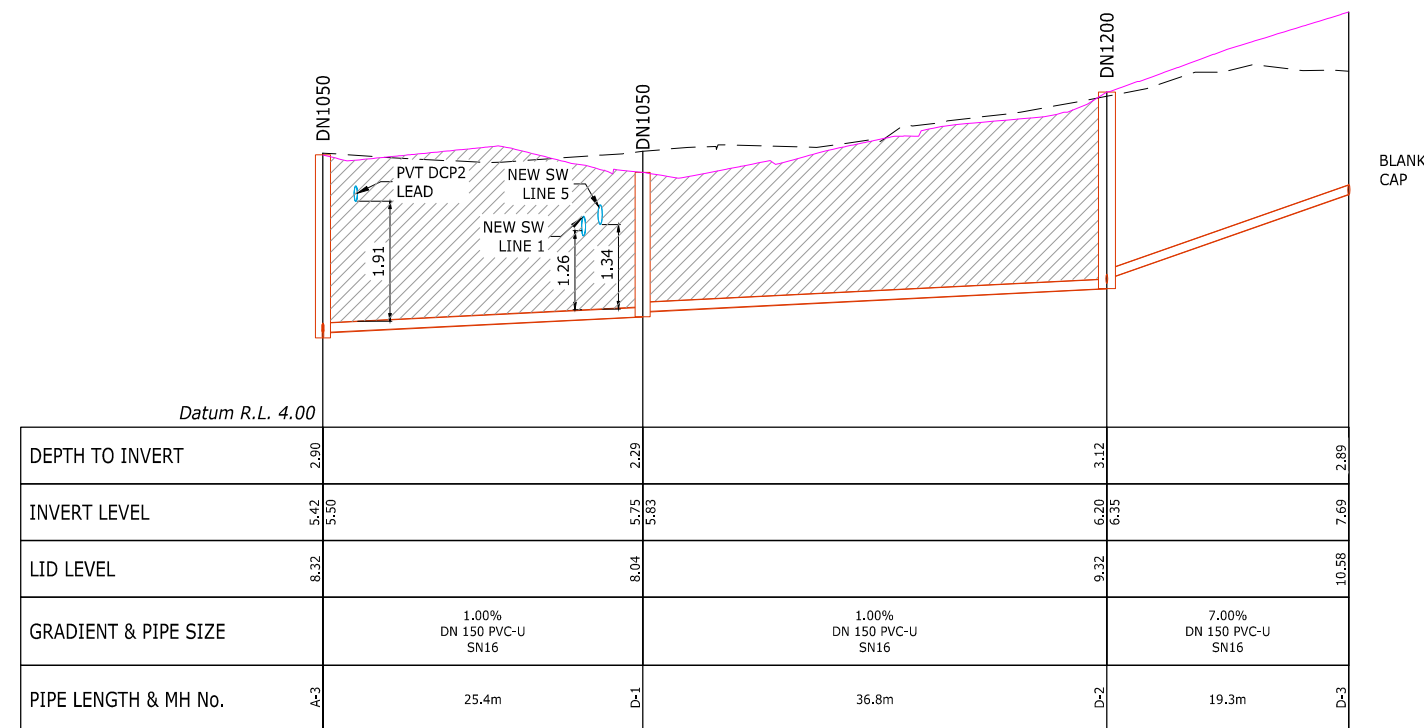
ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
FP326	1:300H 1:60V-A1 1:600H 1:120V-A3	B

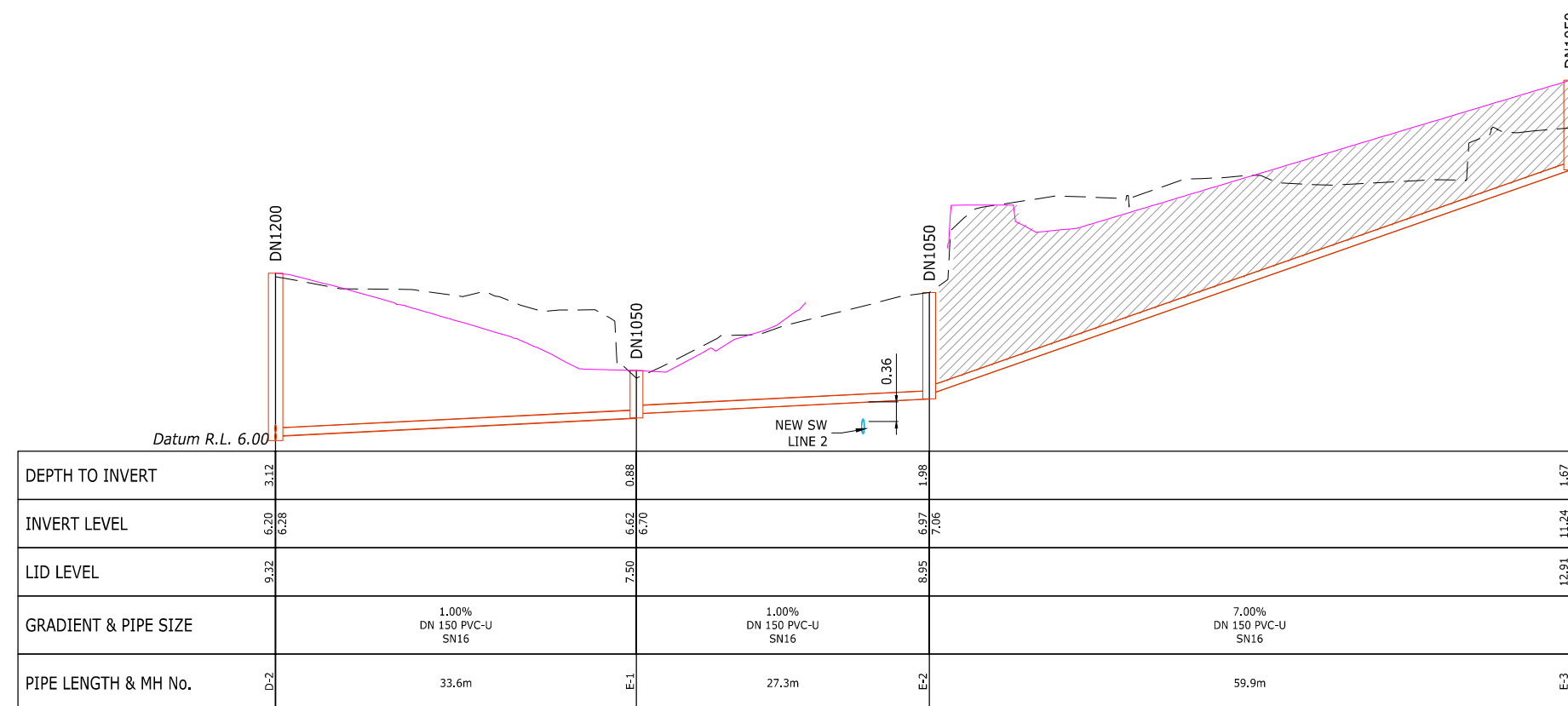
DRAWING No:
FP326-417

NOTES:

1. WASTEWATER CATCHMENT PLAN REFER TO DRAWING DWG-440.
2. FOR WASTEWATER ALL WORKS AND MATERIALS TO COMPLY WITH WATERCARE WASTEWATER CODE OF PRACTICE.



PROPOSED WASTEWATER LINE D



PROPOSED WASTEWATER LINE E

LEGEND:

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



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REF	DESCRIPTION	BY	DATE
C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**WASTEWATER
LONGITUDINAL SECTIONS
SHEET 4 OF 4**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

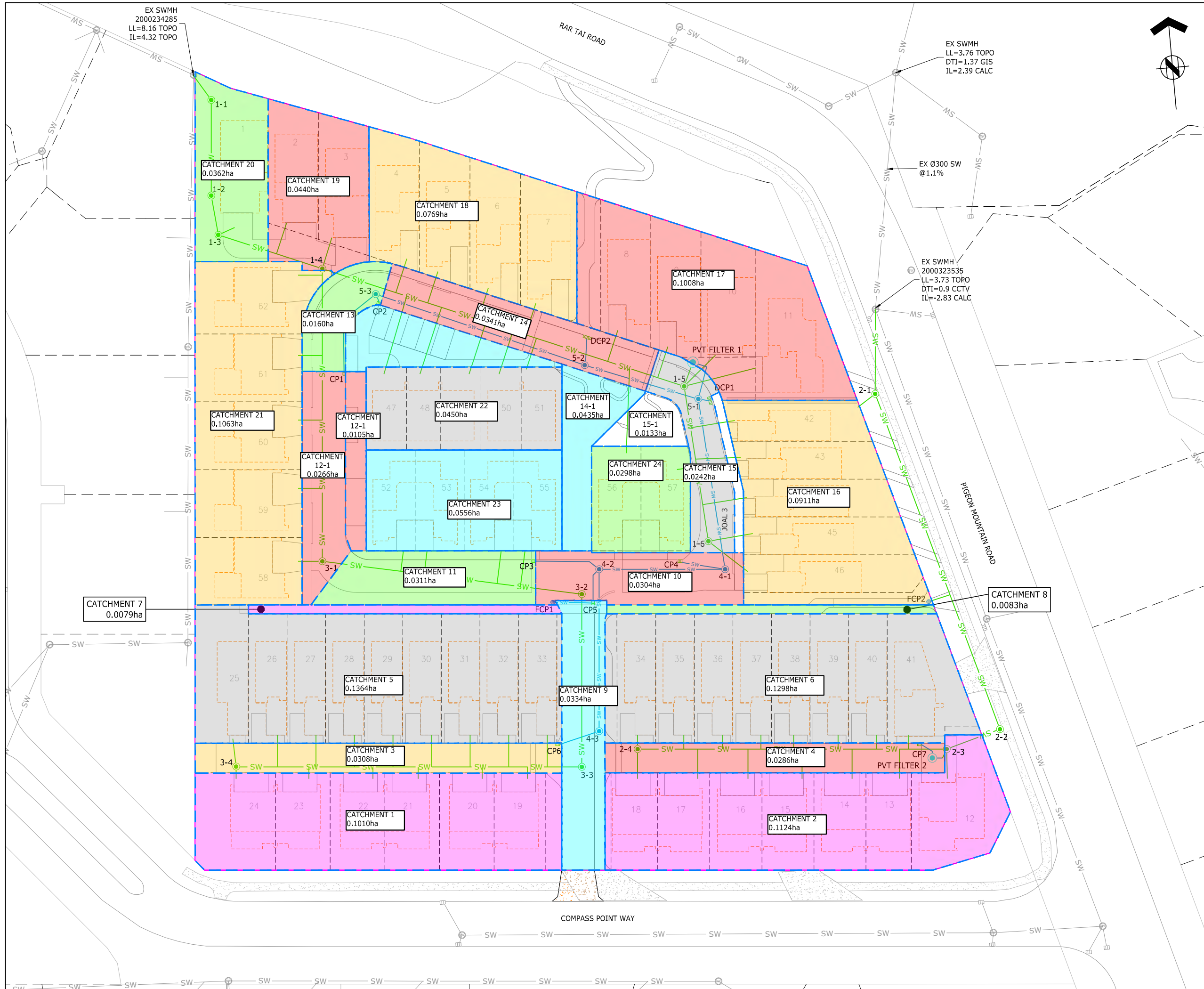
PROJECT No:	SCALES:	REV:
FP326	1:300H 1:60V-A1 1:600H 1:120V-A3	C

DRAWING No:
FP326-418

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LEGEND:

- SW — EXISTING STORMWATER
- SW — PROPOSED PUBLIC STORMWATER
- SW — PROPOSED PRIVATE STORMWATER
- PROPOSED PRIVATE STORMWATER FILTER
- PROPOSED PRIVATE STANDARD CATCHPIT
- PROPOSED PRIVATE DOUBLE CATCHPIT
- PROPOSED PRIVATE FIELD CATCHPIT
- CATCHMENT BOUNDARY



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REF	DESCRIPTION	BY	DATE
C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**STORMWATER
CATCHMENT PLAN**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		




ISSUE STATUS:
RESOURCE CONSENT

PROJECT No: FP326	SCALES: 1:300-A1 1:600-A3	REV: C
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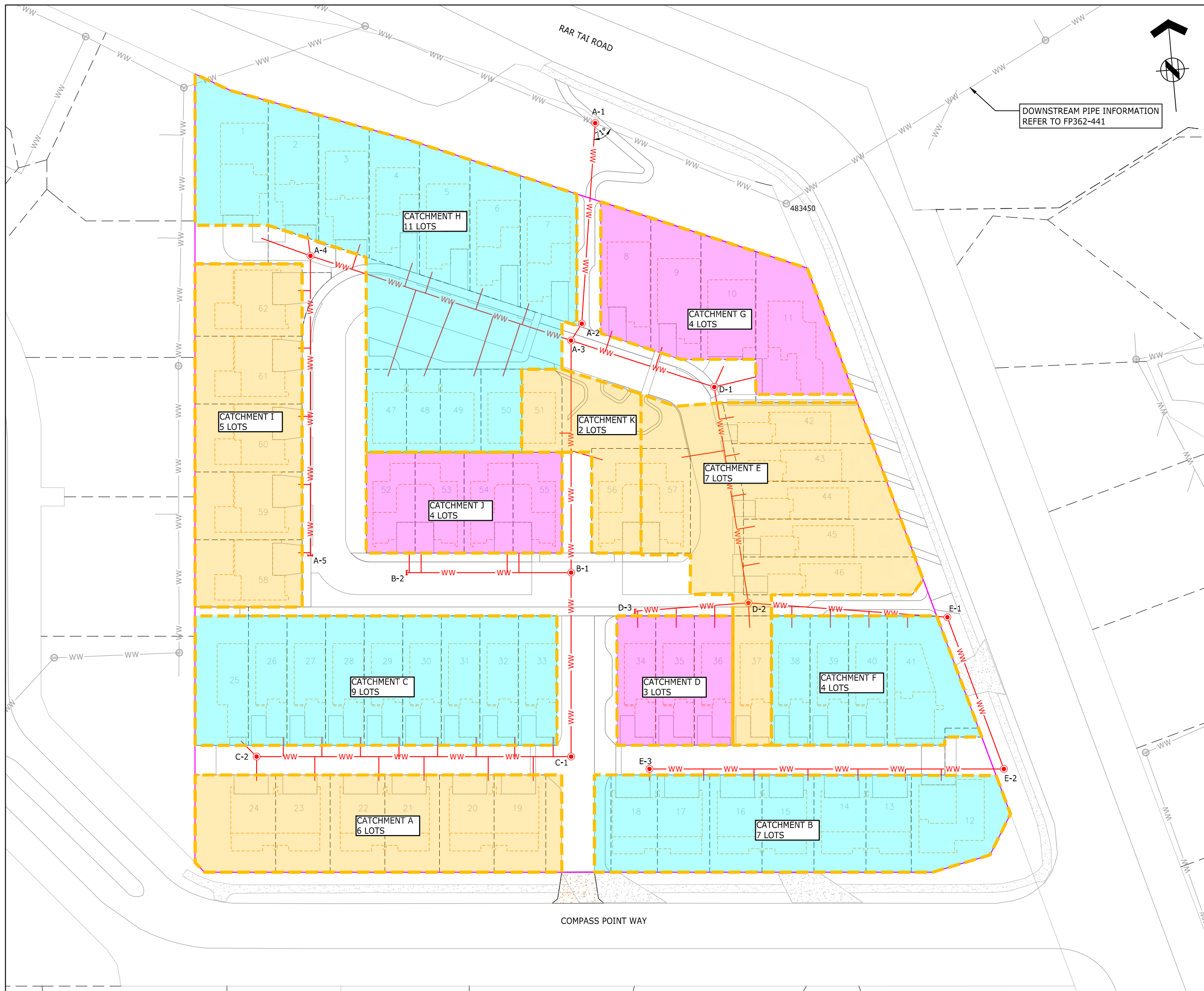
DRAWING No:
FP326-430

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LEGEND:

-  EXISTING WASTEWATER
-  PROPOSED PUBLIC WASTEWATER
-  CATCHMENT BOUNDARY

DOWNSTREAM PIPE INFORMATION
REFER TO FP362-441



REF	DESCRIPTION	BY	DATE
C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**WASTEWATER
CATCHMENT PLAN
SHEET 1 OF 2**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		




ISSUE STATUS:
RESOURCE CONSENT

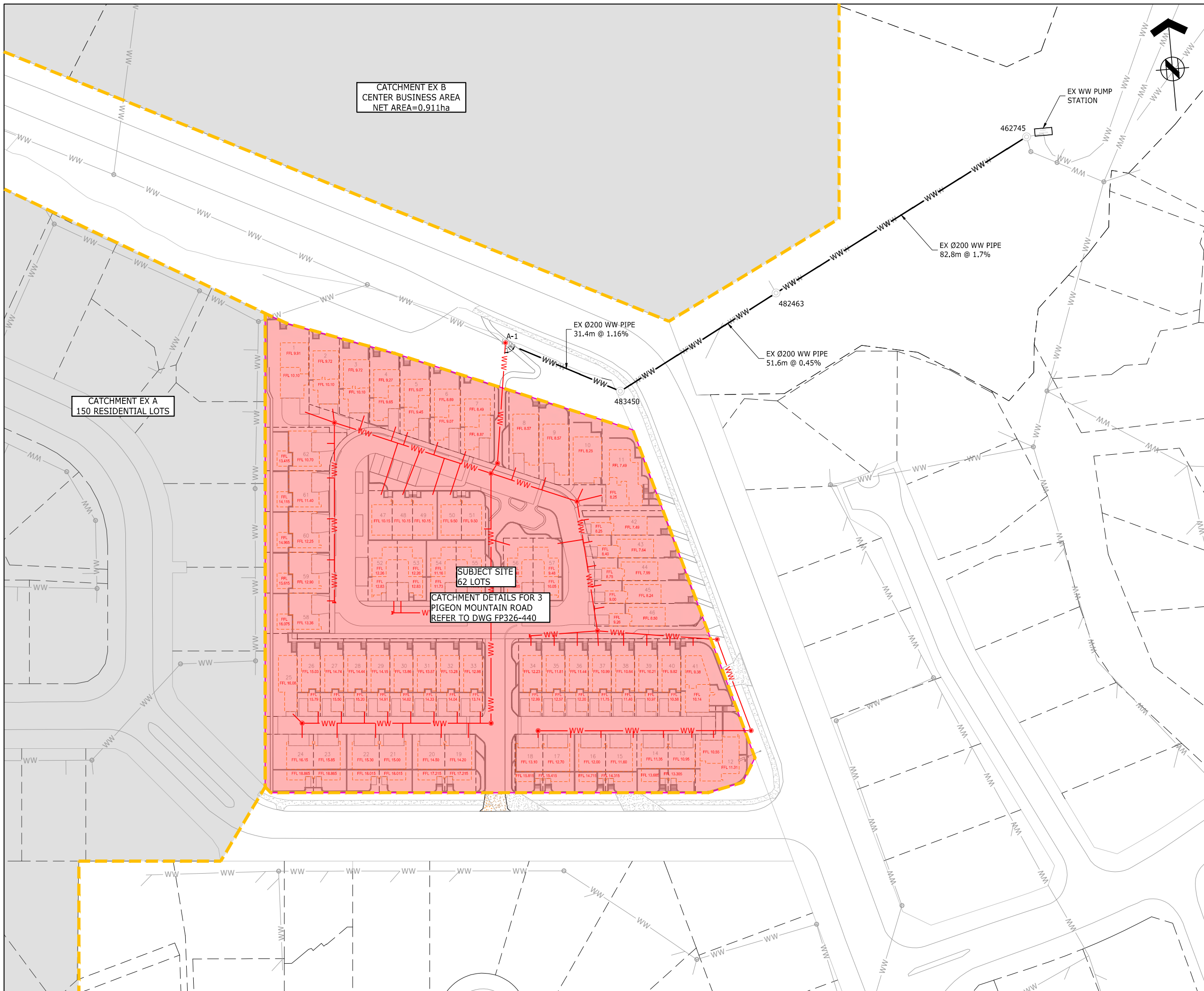
PROJECT No: FP326	SCALES: 1:300-A1 1:600-A3	REV: C
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DRAWING No:
FP326-440

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF EIGHTY6 ENGINEERING CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING.

LEGEND:

-  EXISTING WASTEWATER
-  PROPOSED PUBLIC WASTEWATER
-  CATCHMENT BOUNDARY



C	S92	JW	23.06.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**WASTEWATER
CATCHMENT PLAN
SHEET 2 OF 2**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
FP326	1:500-A1 1:1000-A3	C

DRAWING No:
FP326-441

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- LEGEND:**
- FINISHED SURFACE SHOWN AT 0.2m INTERVALS
 - EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
 - CATCHMENT BOUNDARY
 - EXISTING MAJOR OLFP
 - EXISTING MINOR OLFP
 - PROPOSED MINOR OLFP
 - EXISTING SURFACE RUNOFF DIRECTION
 - PROPOSED SURFACE RUNOFF DIRECTION

SAFETY FACTORS	
CROSS SECTIONS	PERDESTRIAN SAFETY
C-C	$V \cdot D = 0.16m^2/s$
D-D	$V \cdot D = 0.057m^2/s$



C	S92	JW	23.03.26
B	S92	YW	09.02.25
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
**OVERLAND FLOW PATH
AND Q100 CATCHMENT PLAN**

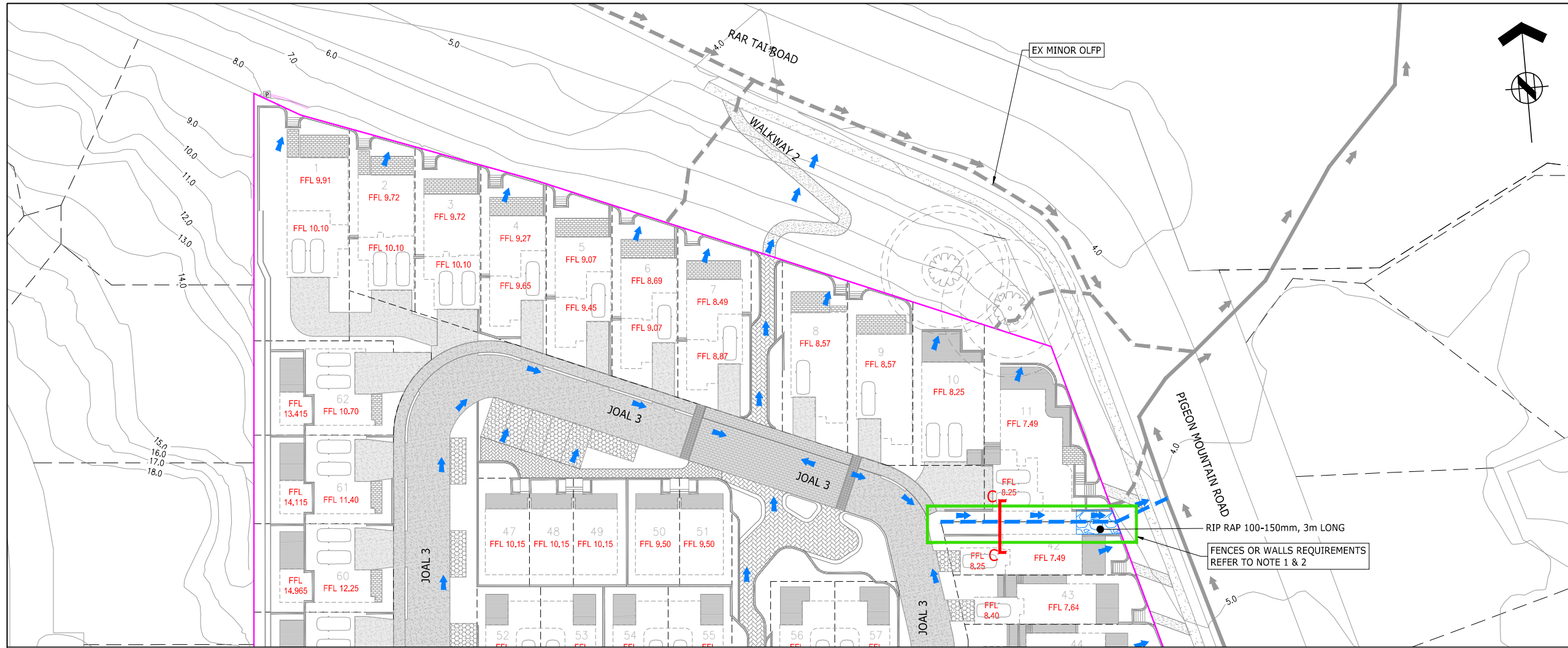
DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS: **RESOURCE CONSENT**

PROJECT No:	SCALES:	REV:
FP326	1:300-A1 1:600-A3	C

DRAWING No: **FP326-450**

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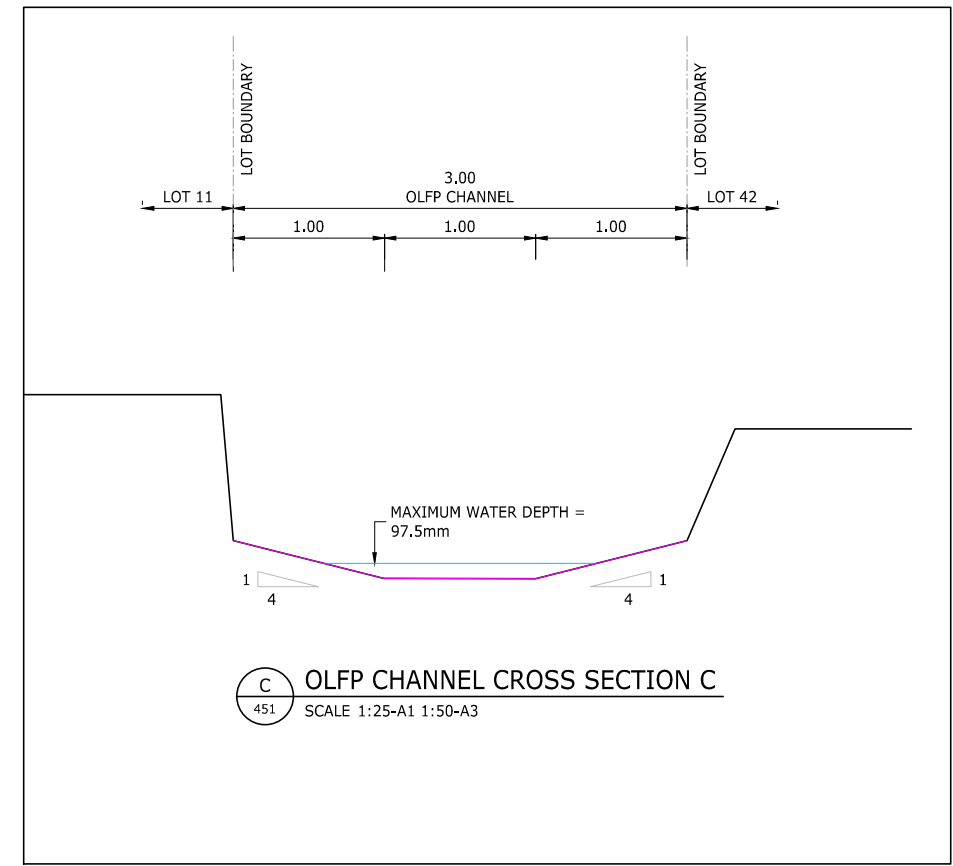


LEGEND:

- FINISHED SURFACE SHOWN AT 0.2m INTERVALS
- EXISTING CONTOURS SHOWN AT 0.5m INTERVALS
- CATCHMENT BOUNDARY
- EXISTING MAJOR OLFP
- EXISTING MINOR OLFP
- PROPOSED MINOR OLFP
- EXISTING SURFACE RUNOFF DIRECTION
- PROPOSED SURFACE RUNOFF DIRECTION

NOTES:

1. FENCES, EARTH BUNDS, AND WALLS LOCATED ADJACENT TO THE OVERLAND FLOW PATH MUST NOT OBSTRUCT THE RUN OFF.
2. FENCES REQUIREMENTS LOCATED WITHIN OVERLAND FLOW PATH MUST COMPLY WITH AUP E36.6.5.3:
 - * POST AND WIRE FENCES AND WIRE MESH FENCES
 - * RAILING TYPE FENCES WHERE AT LEAST 70% OF THE SURFACE AREA OF THE FENCE IS NOT SOLID OR
 - * SOLID FENCES AND WALLS WITH AN OPENING OF SUFFICIENT SIZE AT FLOOD LEVEL THAT CAN CONVEY 1% AEP FLOOD FLOW OR OVERLAND FLOW



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B	S92	JW	23.03.26
A	S92	YW	09.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

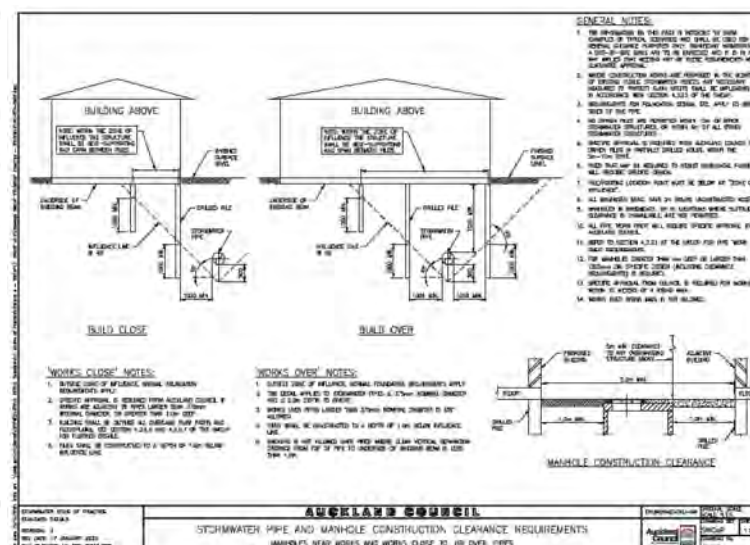
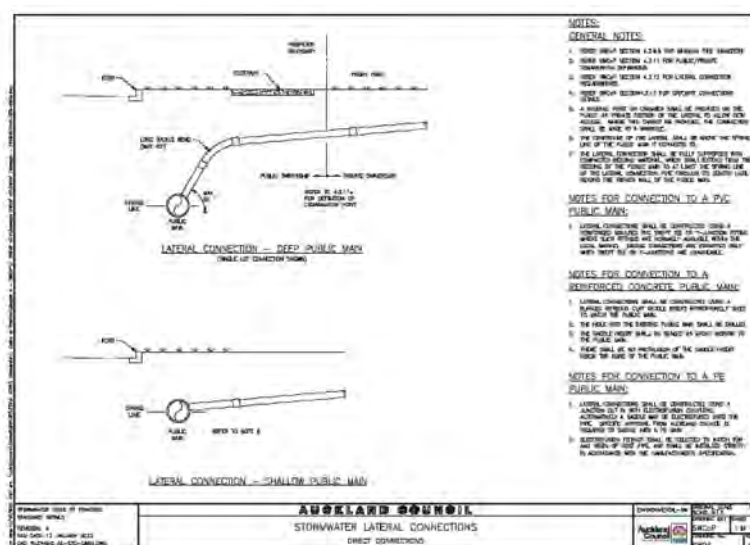
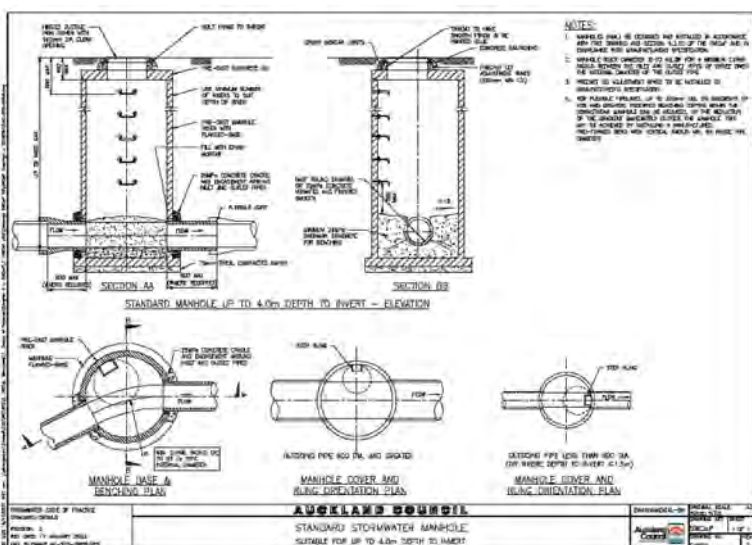
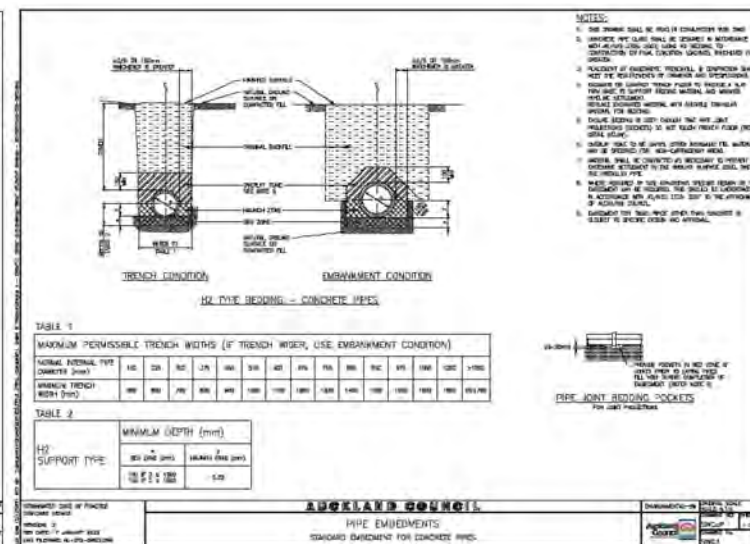
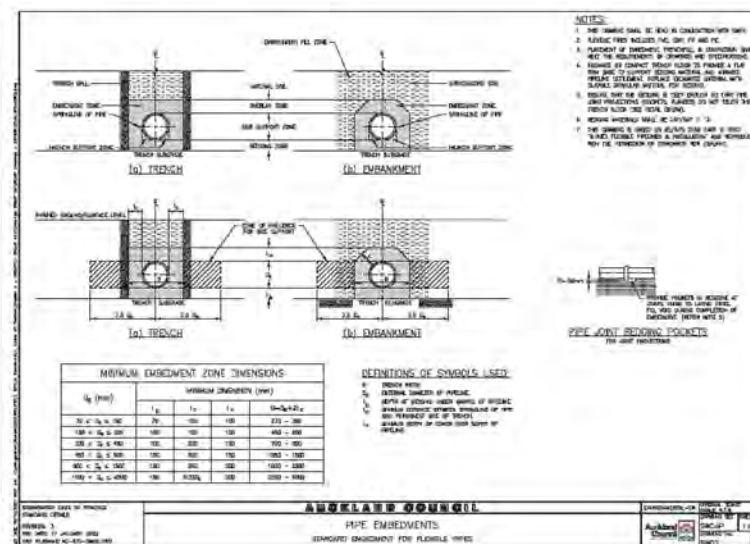
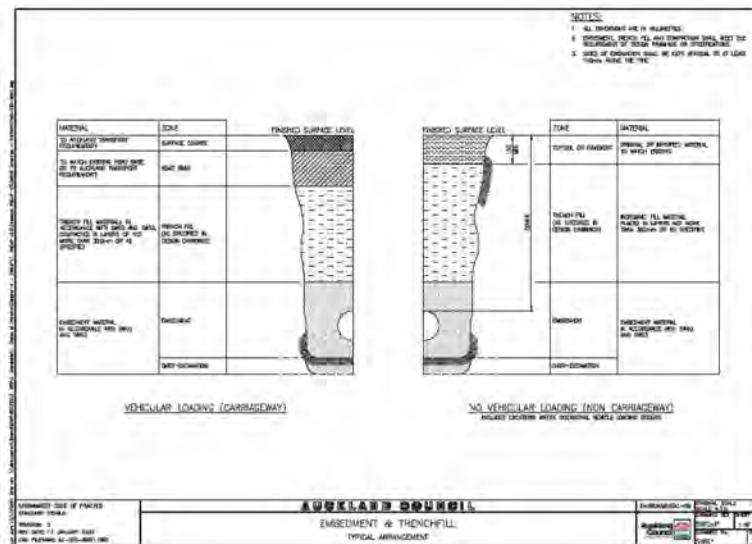
DESCRIPTION:
**OVERLAND FLOW PATH
CHANNEL AND FENCE REQUIREMENTS**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
FP326	1:300-A1 1:600-A3	B

DRAWING No:
FP326-451



REF	DESCRIPTION	BY	DATE
A	RESOURCE CONSENT	JW	28.02.25

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

DESCRIPTION:
STORMWATER STANDARD DETAILS

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		

DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		

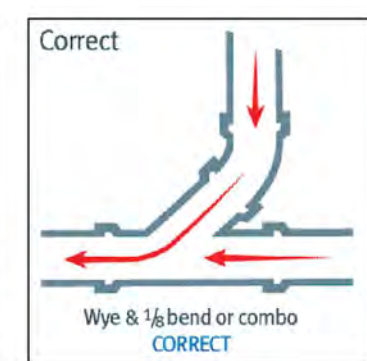
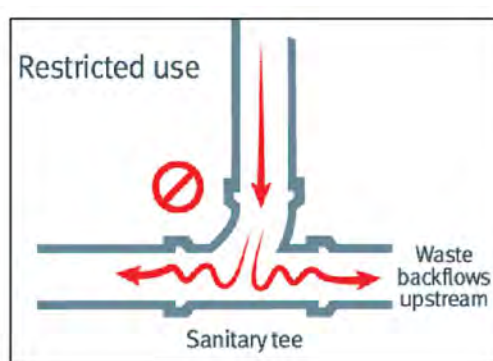
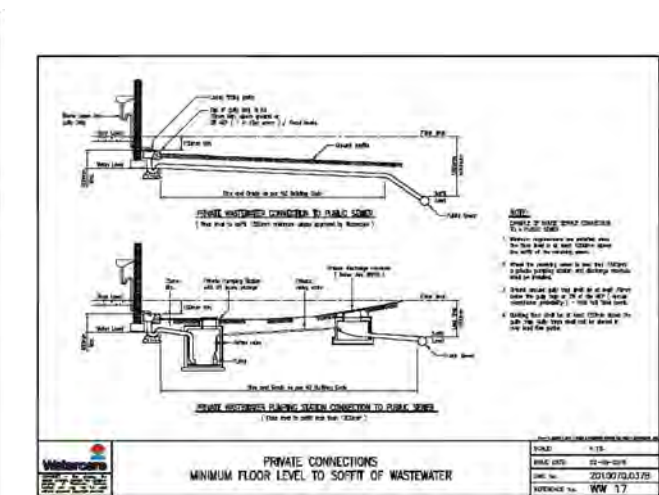
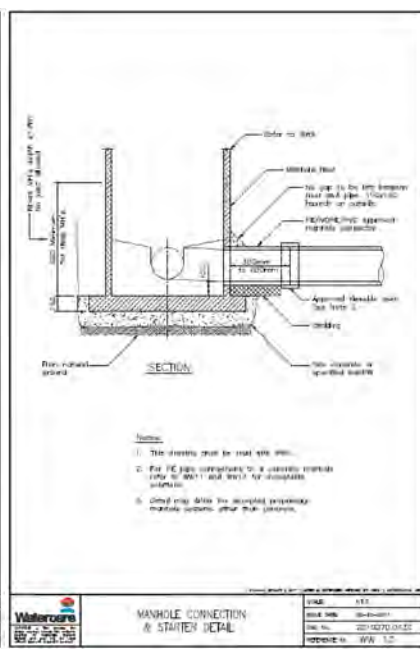
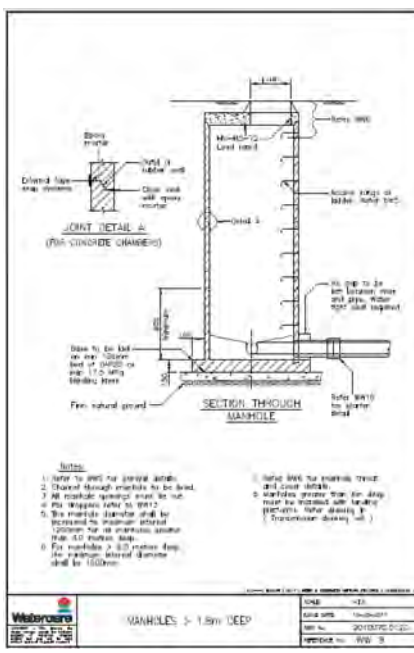
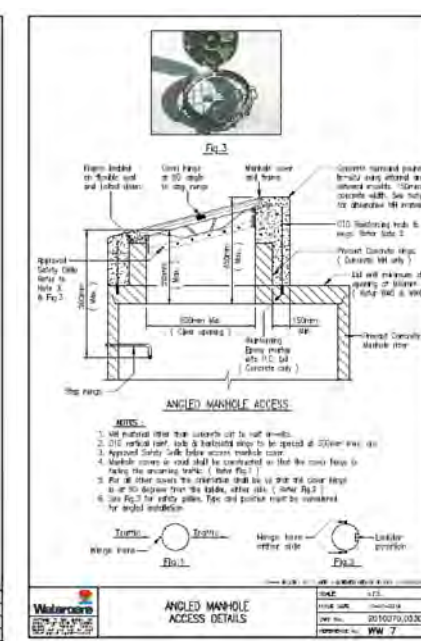
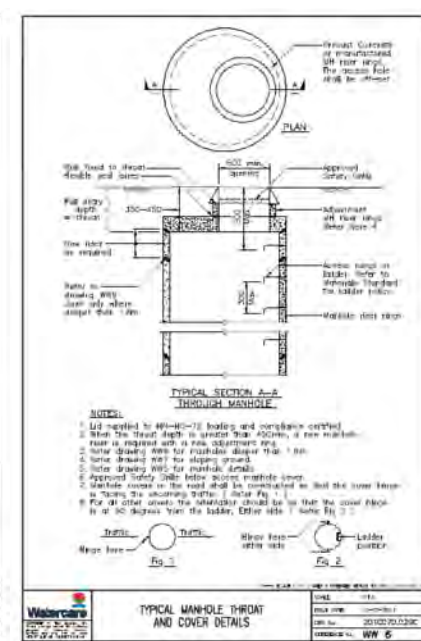
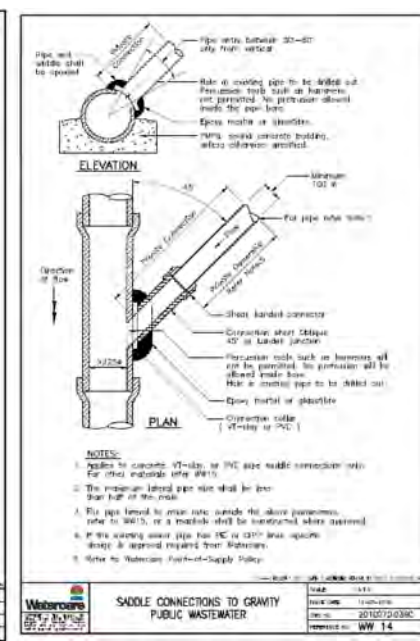
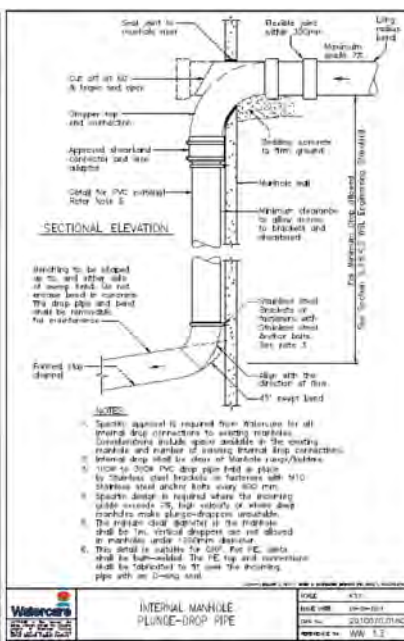
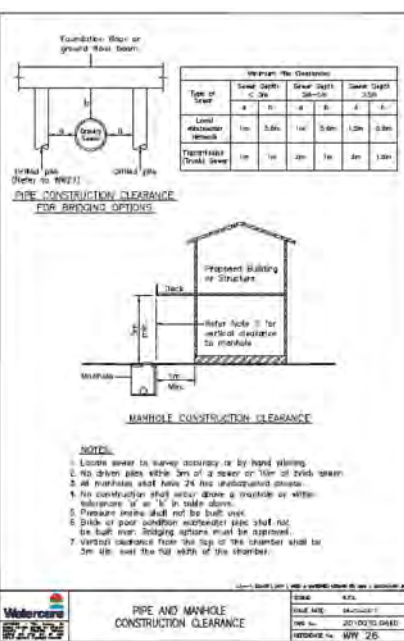
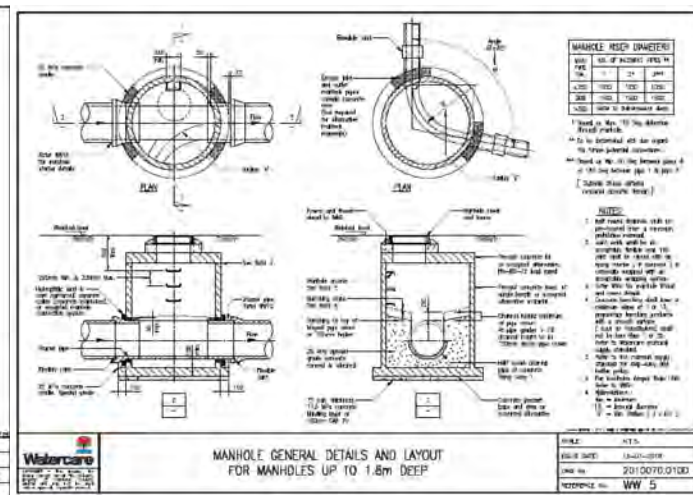
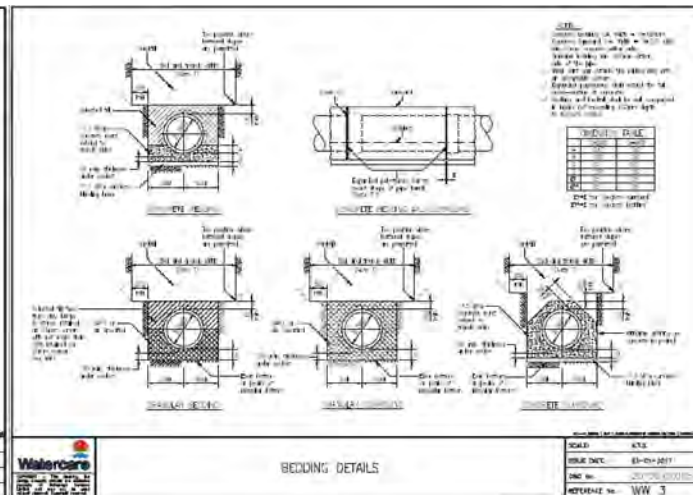
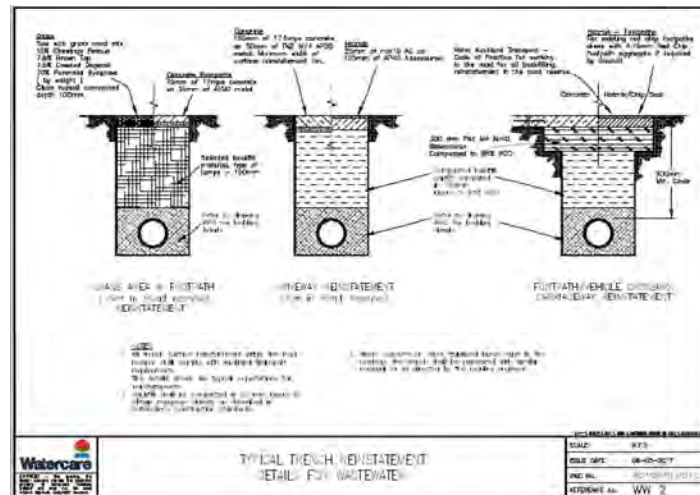
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		

APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	N.T.S	REV:
FP326	N.T.S		A

DRAWING No:
FP326-480



86 MANUKAU ROAD EPSOM AUCKLAND 1023
 www.eighty6.co.nz

REF	DESCRIPTION	BY	DATE
A	RESOURCE CONSENT	JW	28.02.25

PROJECT: 3 PIGEON MOUNTAIN ROAD HALF MOON BAY

DESCRIPTION: WASTEWATER STANDARD DETAILS

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS: RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
FP326	N.T.S	A

DRAWING No: FP326-490

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NOTES:

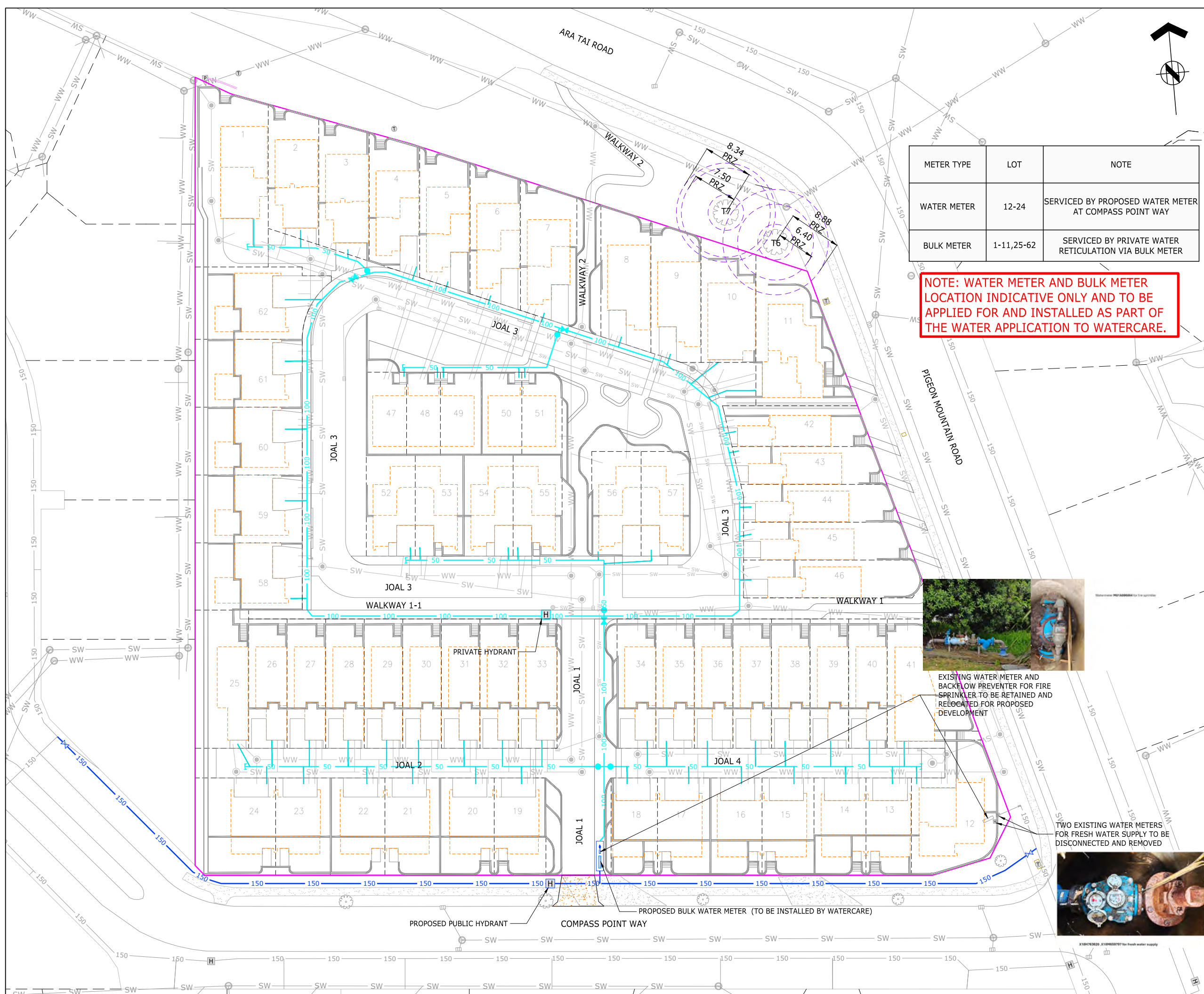
1. ALL WATERMAIN MATERIAL AND WORKS TO WATERCARE CODE OF PRACTICE.
2. ALL UTILITY SERVICES MATERIAL AND WORKS SHALL BE TO RELEVANT UTILITY SERVICE PROVIDER STANDARD AND SPECIFICATION.
3. CONTRACTOR TO LOCATE AND PROTECT ALL SERVICES IN THE WORKS AREA AT ALL TIMES DURING WORKS PERIOD.
4. ALL DUCTILE IRON 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 METERS ARE SUBJECT TO WATER METER APPLICATION SEPARATELY.

METER TYPE	LOT	NOTE
WATER METER	12-24	SERVICED BY PROPOSED WATER METER AT COMPASS POINT WAY
BULK METER	1-11,25-62	SERVICED BY PRIVATE WATER RETICULATION VIA BULK METER

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

LEGEND:

- SITE BOUNDARY
- EXISTING HYDRANT
- EXISTING WATER MAIN
- PROPOSED BULK METER
- PROPOSED PUBLIC 150mm WATER MAIN
- PROPOSED PRIVATE 100mm WATER MAIN
- PROPOSED PRIVATE 50mm WATER MAIN
- PROPOSED WATER CONNECTION
- PROPOSED PUBLIC SLUICE VALVES
- PROPOSED PRIVATE SLUICE VALVES
- PROPOSED PRIVATE PEET VALVES
- PROPOSED HYDRANT
- PROPOSED WATER METER



C	S92	JW	23.03.26
B	S92	AS	09.02.26
A	RESOURCE CONSENT	JW	28.02.25
REF	DESCRIPTION	BY	DATE

PROJECT:
**3 PIGEON MOUNTAIN ROAD
HALF MOON BAY**

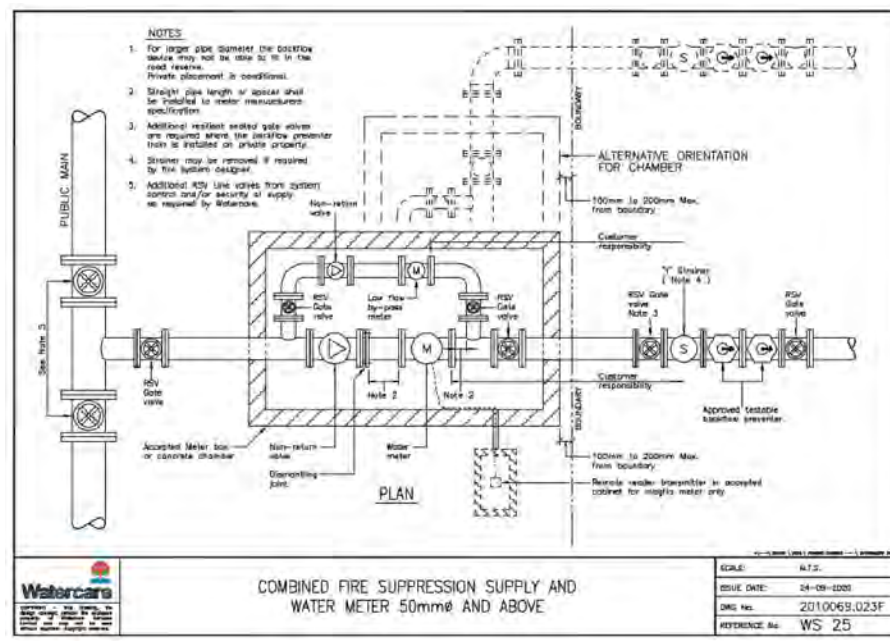
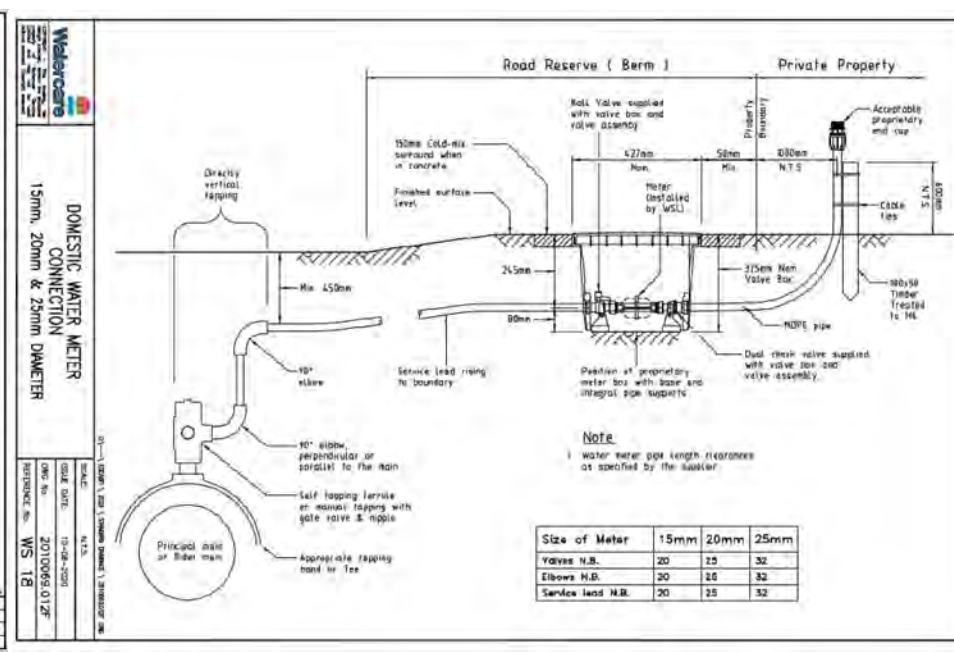
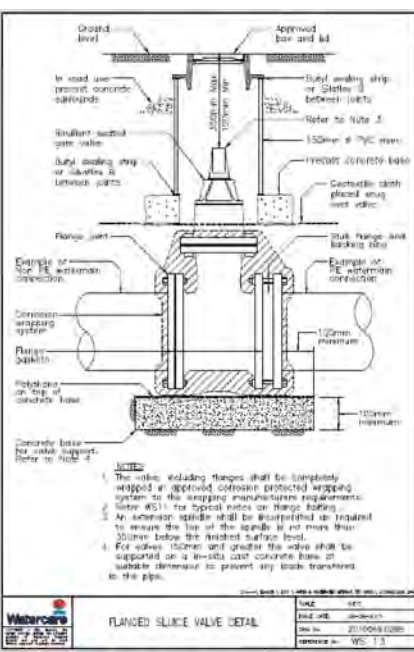
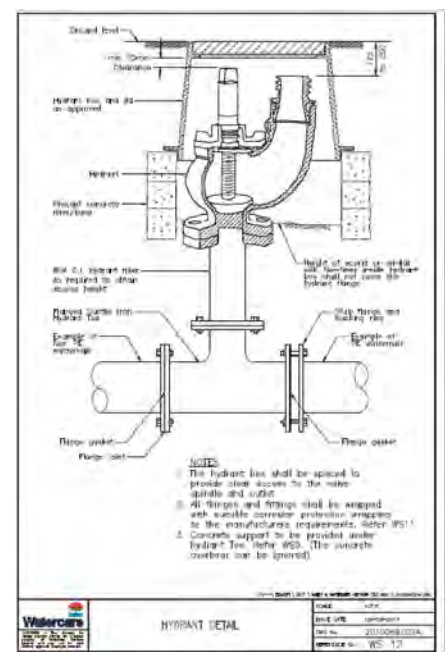
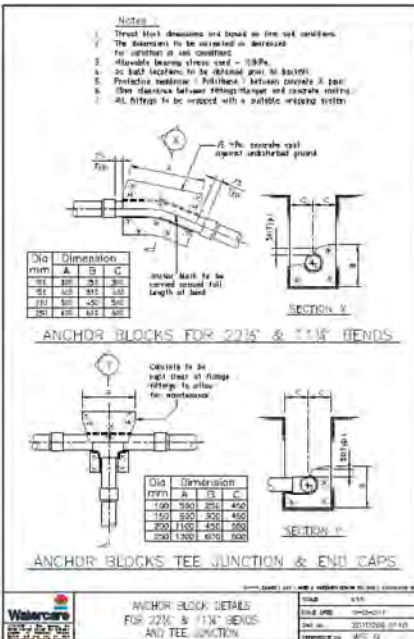
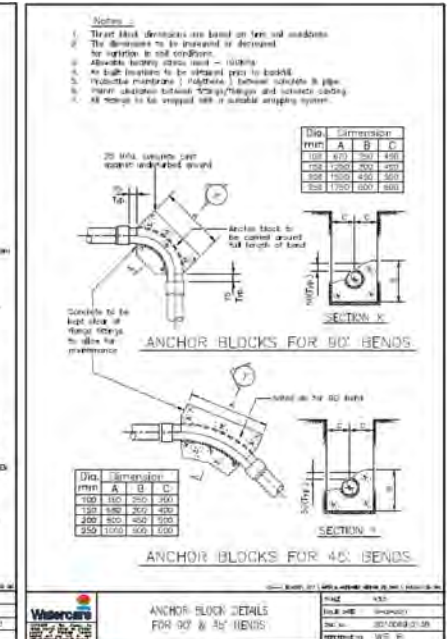
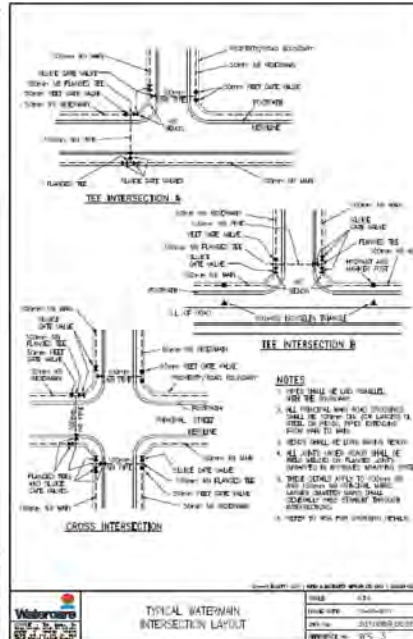
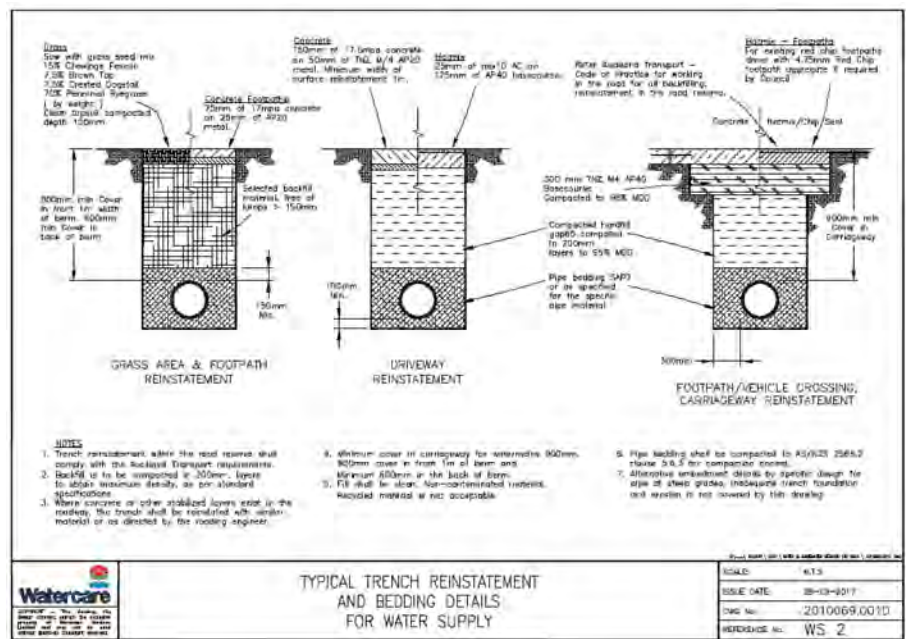
DESCRIPTION:
**WATER RETICULATION
LAYOUT PLAN**

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		
DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		
CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		
APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS:
RESOURCE CONSENT

PROJECT No:	SCALES:	REV:
	1:300-A1 1:600-A3	C

DRAWING No:
FP362-500



REF	DESCRIPTION	BY	DATE
A	RESOURCE CONSENT	JW	28.02.25

PROJECT: 3 PIGEON MOUNTAIN ROAD HALF MOON BAY

DESCRIPTION: WATER STANDARD DETAILS

DESIGNED:	DATE:	SIGNATURE:	PLOT BY:
JW	17.02.25		

DRAWN:	DATE:	SIGNATURE:	PLOT DATE:
JW	17.02.25		

CHECKED:	DATE:	SIGNATURE:	SURVEY BY:
SX	28.02.25		

APPROVED:	DATE:	SIGNATURE:	SURVEY DATE:
SX	28.02.25		

ISSUE STATUS: RESOURCE CONSENT

PROJECT No:	SCALES:	N.T.S.	REV:
FP326	N.T.S.		A

DRAWING No: FP326-590