

### STREAM MANAGEMENT KEY

LINE TYPE	DESCRIPTION	LENGTH / AREA WITHIN PRECINCT
	EPHEMERAL STREAM FILLED	571m
	INTERMITTENT STREAM FILLED	375m
	CULVERT INTERMITTENT STREAM	55m
	DAYLIGHT INTERMITTENT STREAM	12m
	INTERMITTENT STREAM MAINTAINED	22m
	INTERMITTENT STREAM ENHANCED	228m
	CULVERT PERMANENT STREAM	131m
	DAYLIGHT PERMANENT STREAM	29m
	PERMANENT STREAM MAINTAINED	4.87m
	PERMANENT STREAM ENHANCED	1369m
	WETLAND MAINTAINED / ENHANCED	2606m <sup>2</sup>
	BUSH MAINTAINED	15575m <sup>2</sup>

### PLAN EXTENT KEY

	PLAN CHANGE EXTENT
	SUB PRECINCT EXTENT (STUBBS FARM DEVELOPMENT AREA)

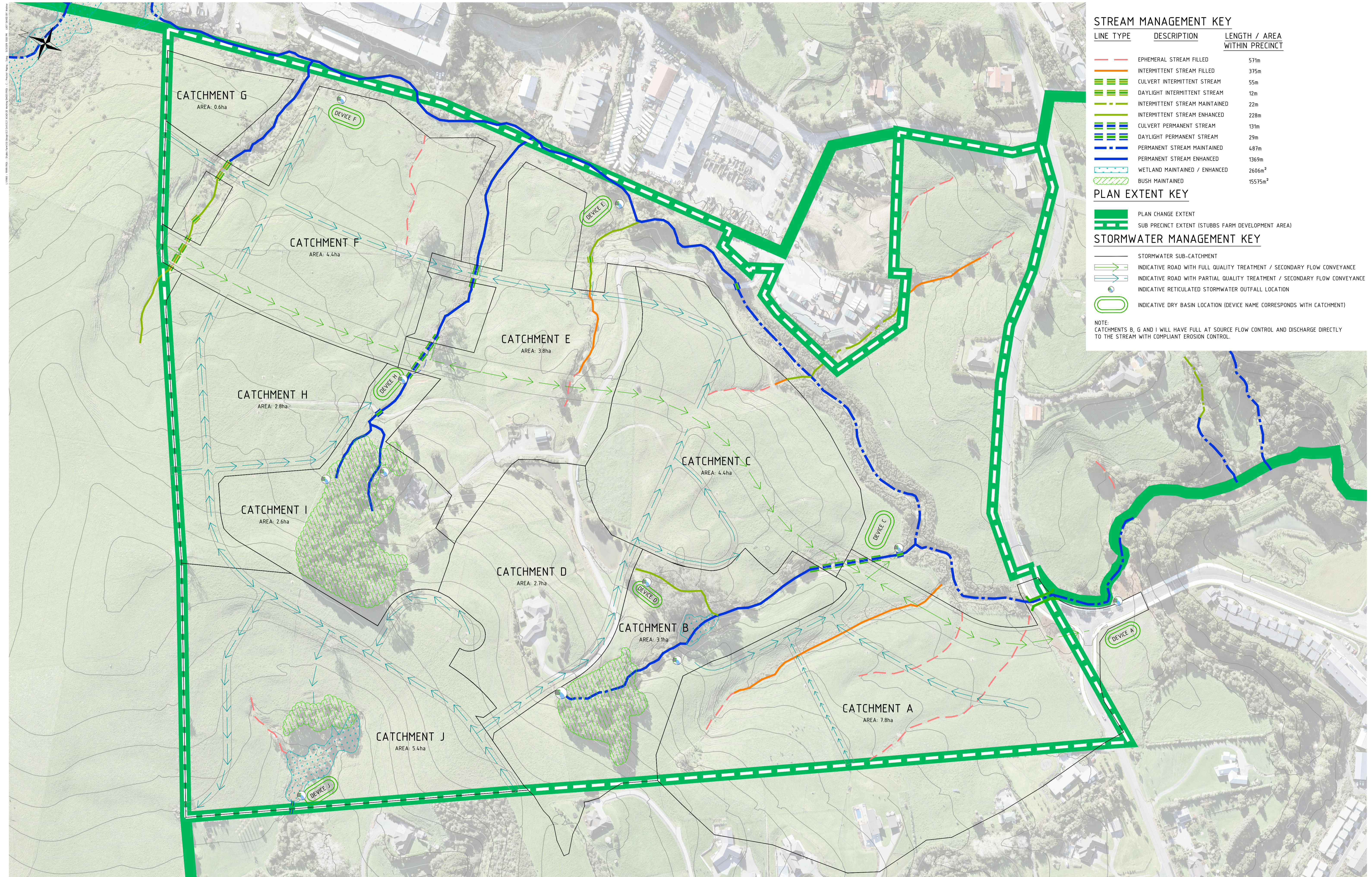
NOTE:  
1. SHOWN CONTOURS ARE AT 5m INTERVALS

3	03.05.2019	BOY CHANGE (MASON)	A. SCHUNKE	Design:	NJ
2	16.01.2019	SUB-PRECINCT EXTENT	N. JULI	Date:	16.10.2018
1	16.10.2018	TITLES UPDATED	N. JULI	Check:	SR
REV	DATE	AMENDMENTS	CHECKED	Job No:	11875

Subject:	PROPOSED WARKWORTH NORTH PLAN CHANGE
Client:	TURNSTONE CAPITAL LP - (WARKWORTH NORTH)
Address:	NORTH WARKWORTH
Drawing Title:	PRECINCT PLAN 2: WARKWORTH NORTH SWCMP - STREAMS

Drawing No:	402
Revision No:	2
Scale:	1:2500 @ A1
Issued for:	PLANNING





**STREAM MANAGEMENT KEY**

LINE TYPE	DESCRIPTION	LENGTH / AREA WITHIN PRECINCT
	EPHEMERAL STREAM FILLED	571m
	INTERMITTENT STREAM FILLED	375m
	CULVERT INTERMITTENT STREAM	55m
	DAYLIGHT INTERMITTENT STREAM	12m
	INTERMITTENT STREAM MAINTAINED	22m
	INTERMITTENT STREAM ENHANCED	228m
	CULVERT PERMANENT STREAM	131m
	DAYLIGHT PERMANENT STREAM	29m
	PERMANENT STREAM MAINTAINED	487m
	PERMANENT STREAM ENHANCED	1369m
	WETLAND MAINTAINED / ENHANCED	2606m <sup>2</sup>
	BUSH MAINTAINED	15575m <sup>2</sup>

**PLAN EXTENT KEY**

- PLAN CHANGE EXTENT
- SUB PRECINCT EXTENT (STUBBS FARM DEVELOPMENT AREA)

**STORMWATER MANAGEMENT KEY**

- STORMWATER SUB-CATCHMENT
- INDICATIVE ROAD WITH FULL QUALITY TREATMENT / SECONDARY FLOW CONVEYANCE
- INDICATIVE ROAD WITH PARTIAL QUALITY TREATMENT / SECONDARY FLOW CONVEYANCE
- INDICATIVE RETICULATED STORMWATER OUTFALL LOCATION
- INDICATIVE DRY BASIN LOCATION (DEVICE NAME CORRESPONDS WITH CATCHMENT)

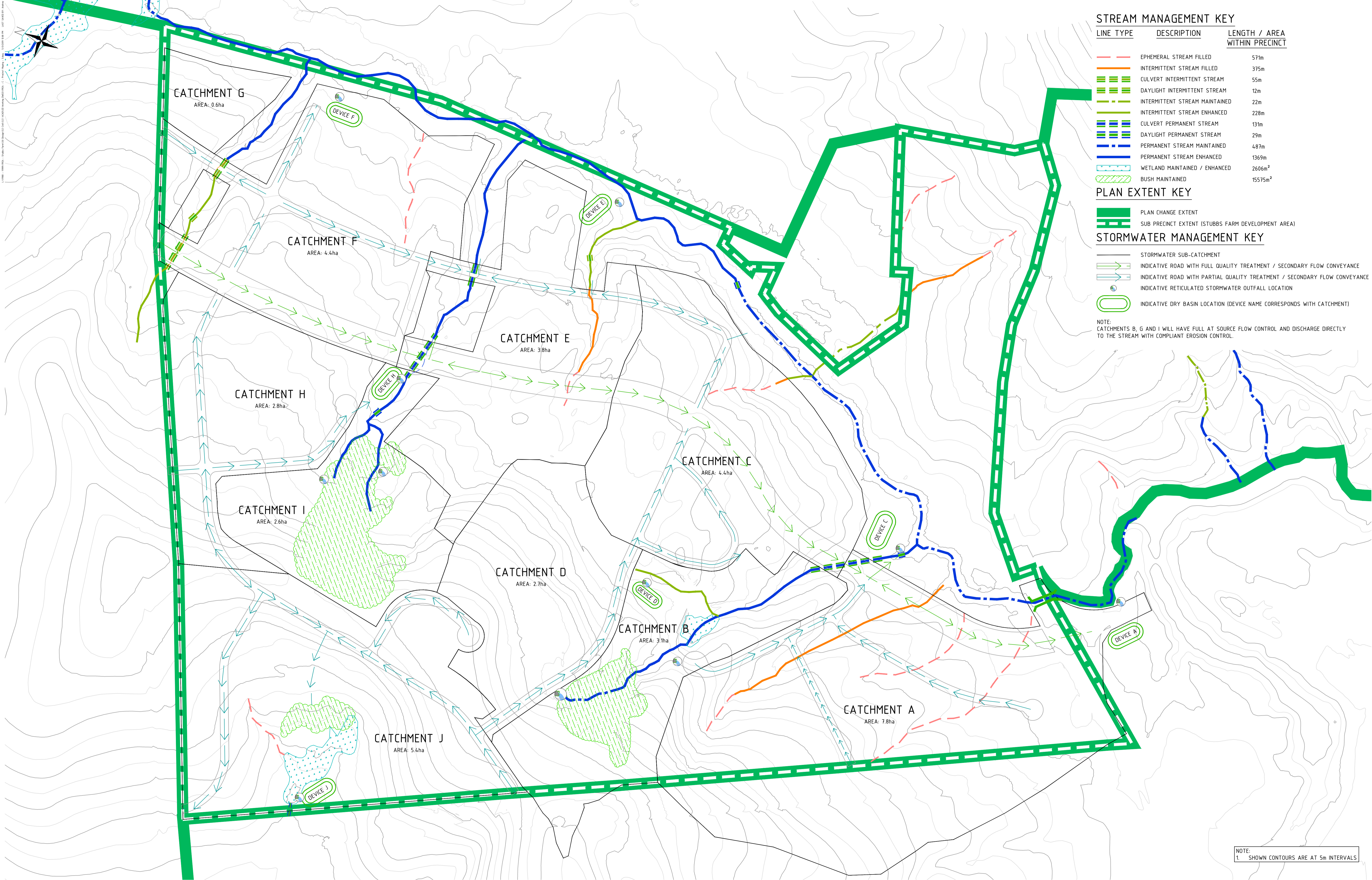
NOTE:  
CATCHMENTS B, G AND I WILL HAVE FULL AT SOURCE FLOW CONTROL AND DISCHARGE DIRECTLY TO THE STREAM WITH COMPLIANT EROSION CONTROL.

3	03.05.2019	BDY CHANGE (MASON)	A. SCHUNKE	Design:	NJ
2	16.01.2019	SUB-PRECINCT EXTENT	N. JULL	Date:	16.10.2018
1	16.10.2018	TITLES UPDATED	N. JULL	Check:	SR
REV	DATE	AMENDMENTS	CHECKED	Job No:	11875

Subject: PROPOSED WARKWORTH NORTH PLAN CHANGE  
 Client: TURNSTONE CAPITAL LP - (WARKWORTH NORTH)  
 Address: NORTH WARKWORTH  
 Drawing Title: PRECINCT PLAN 2 - WARKWORTH NORTH SWCMP - Sub-precinct A (1 OF 2)

Drawing No: 403  
 Revision No: 2  
 Scale: 1:1500 @ A1  
 Issued for: PLANNING





**STREAM MANAGEMENT KEY**

LINE TYPE	DESCRIPTION	LENGTH / AREA WITHIN PRECINCT
[Red dashed line]	EPHEMERAL STREAM FILLED	571m
[Orange dashed line]	INTERMITTENT STREAM FILLED	375m
[Green dashed line]	CULVERT INTERMITTENT STREAM	55m
[Green dashed line]	DAYLIGHT INTERMITTENT STREAM	12m
[Green dashed line]	INTERMITTENT STREAM MAINTAINED	22m
[Green dashed line]	INTERMITTENT STREAM ENHANCED	228m
[Blue dashed line]	CULVERT PERMANENT STREAM	131m
[Blue dashed line]	DAYLIGHT PERMANENT STREAM	29m
[Blue dashed line]	PERMANENT STREAM MAINTAINED	4.87m
[Blue dashed line]	PERMANENT STREAM ENHANCED	1369m
[Blue dashed line]	WETLAND MAINTAINED / ENHANCED	2606m <sup>2</sup>
[Green dashed line]	BUSH MAINTAINED	15575m <sup>2</sup>

**PLAN EXTENT KEY**

- [Green solid line] PLAN CHANGE EXTENT
- [Green dashed line] SUB PRECINCT EXTENT (STUBBS FARM DEVELOPMENT AREA)

**STORMWATER MANAGEMENT KEY**

- [Blue dashed line] STORMWATER SUB-CATCHMENT
- [Blue dashed line with arrows] INDICATIVE ROAD WITH FULL QUALITY TREATMENT / SECONDARY FLOW CONVEYANCE
- [Blue dashed line with arrows] INDICATIVE ROAD WITH PARTIAL QUALITY TREATMENT / SECONDARY FLOW CONVEYANCE
- [Blue dashed line with arrows] INDICATIVE RETICULATED STORMWATER OUTFALL LOCATION
- [Green oval] INDICATIVE DRY BASIN LOCATION (DEVICE NAME CORRESPONDS WITH CATCHMENT)

NOTE:  
CATCHMENTS B, G AND I WILL HAVE FULL AT SOURCE FLOW CONTROL AND DISCHARGE DIRECTLY TO THE STREAM WITH COMPLIANT EROSION CONTROL.

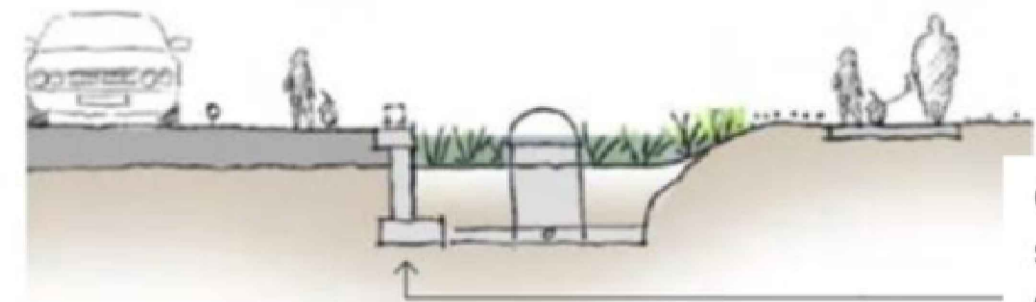
NOTE:  
1. SHOWN CONTOURS ARE AT 5m INTERVALS

3	03.05.2019	BOY CHANGE (MASON)	A. SCHUNKE	Design:	NJ
2	16.01.2019	SUB-PRECINCT EXTENT	N. JULL	Date:	16.10.2018
1	16.10.2018	TITLES UPDATED	N. JULL	Check:	SR
REV	DATE	AMENDMENTS	CHECKED	Job No:	11875

Subject: PROPOSED WARKWORTH NORTH PLAN CHANGE  
 Client: TURNSTONE CAPITAL LP - (WARKWORTH NORTH)  
 Address: NORTH WARKWORTH  
 Drawing Title: PRECINCT PLAN 2 - WARKWORTH NORTH SWCMP - Sub-precinct A (2 OF 2)

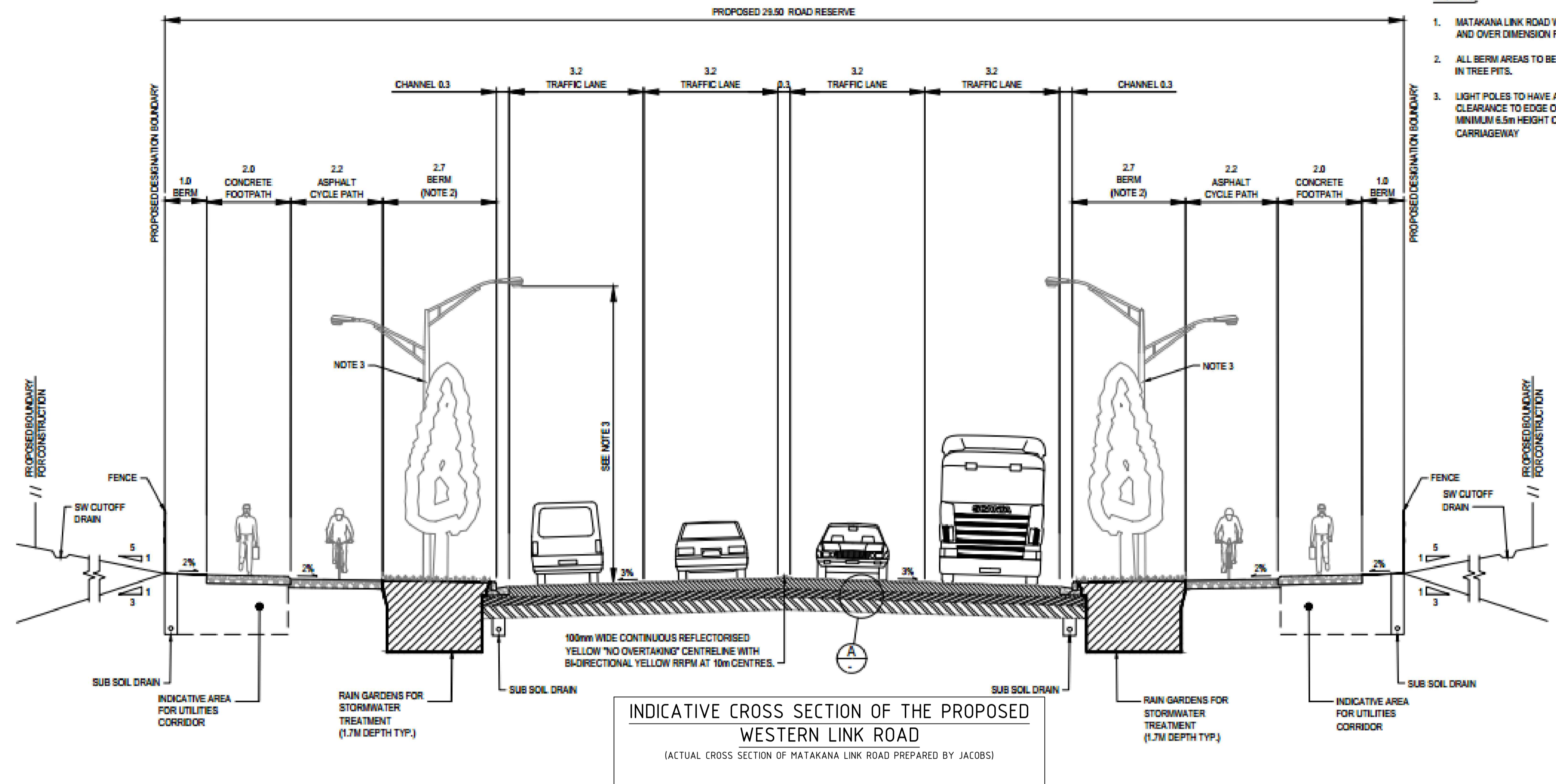
Drawing No: 404  
 Revision No: 2  
 Scale: 1:1500 @ A1  
 Issued for: PLANNING



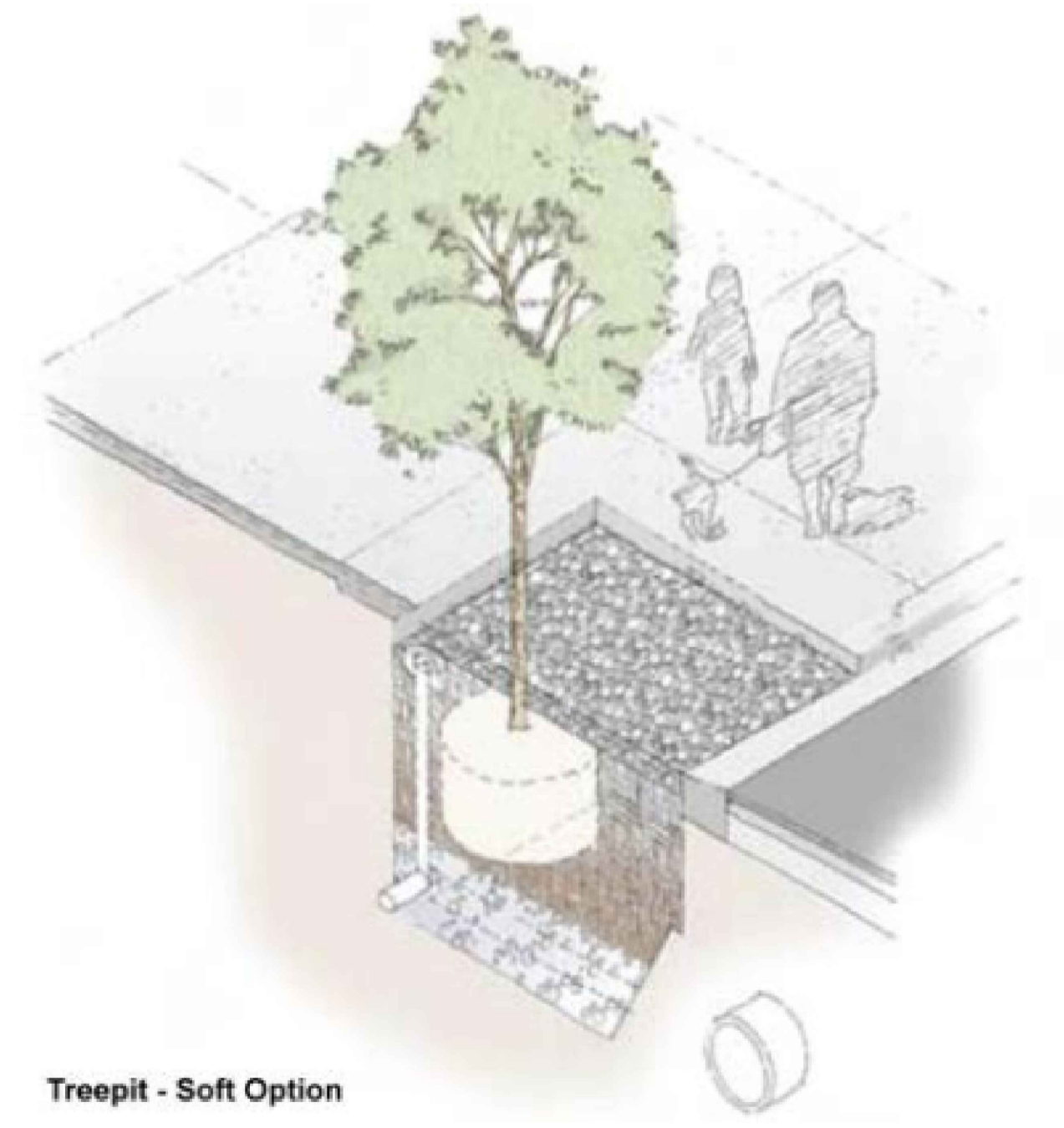
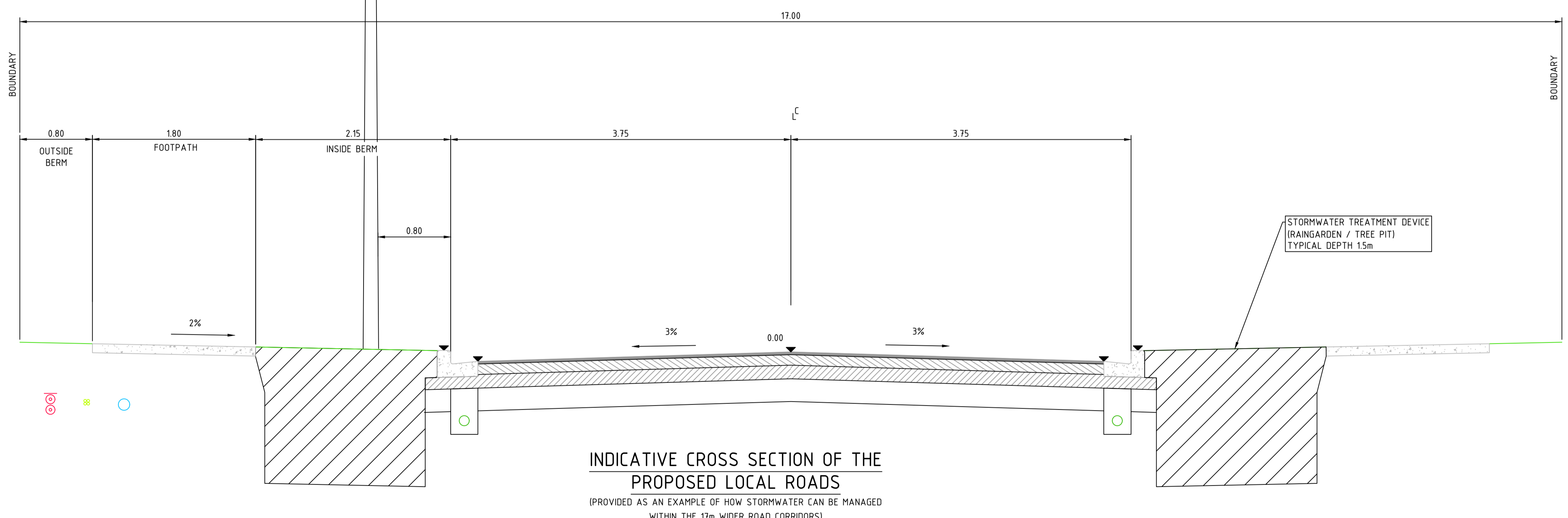


Concrete wall to support side of device if adjacent to road

DEVICE ADJACENT TO ROAD  
EXAMPLE FROM GD01



- NOTES:**
- MATAKANA LINK ROAD WILL BE AN OVERWEIGHT AND OVER DIMENSION ROUTE
  - ALL BERM AREAS TO BE PLANTED WITH TREES IN TREE PITS.
  - LIGHT POLES TO HAVE A 0.5m MINIMUM CLEARANCE TO EDGE OF CYCLE PATH AND MINIMUM 6.5m HEIGHT CLEARANCE TO CARRIAGEWAY



TREE PIT EXAMPLE FROM GD01

3	03.05.2019	BOY CHANGE (MASON)	A. SCHUNKE	Design:	NJ
2	16.01.2019	SUB-PRECINCT EXTENT	N. JULL	Date:	16.10.2018
1	16.10.2018	TITLES UPDATED	N. JULL	Check:	SR
REV	DATE	AMENDMENTS	CHECKED	Job No:	11875

Subject: PROPOSED WARKWORTH NORTH PLAN CHANGE  
 Client: TURNSTONE CAPITAL LP - (WARKWORTH NORTH)  
 Address: NORTH WARKWORTH  
 Drawing Title: PRECINCT PLAN 3 - ROAD SECTIONS AND ROAD STORMWATER MANAGMENT

Drawing No: 405  
 Revision No: 2  
 Scale: NTS  
 Issued for: PLANNING

