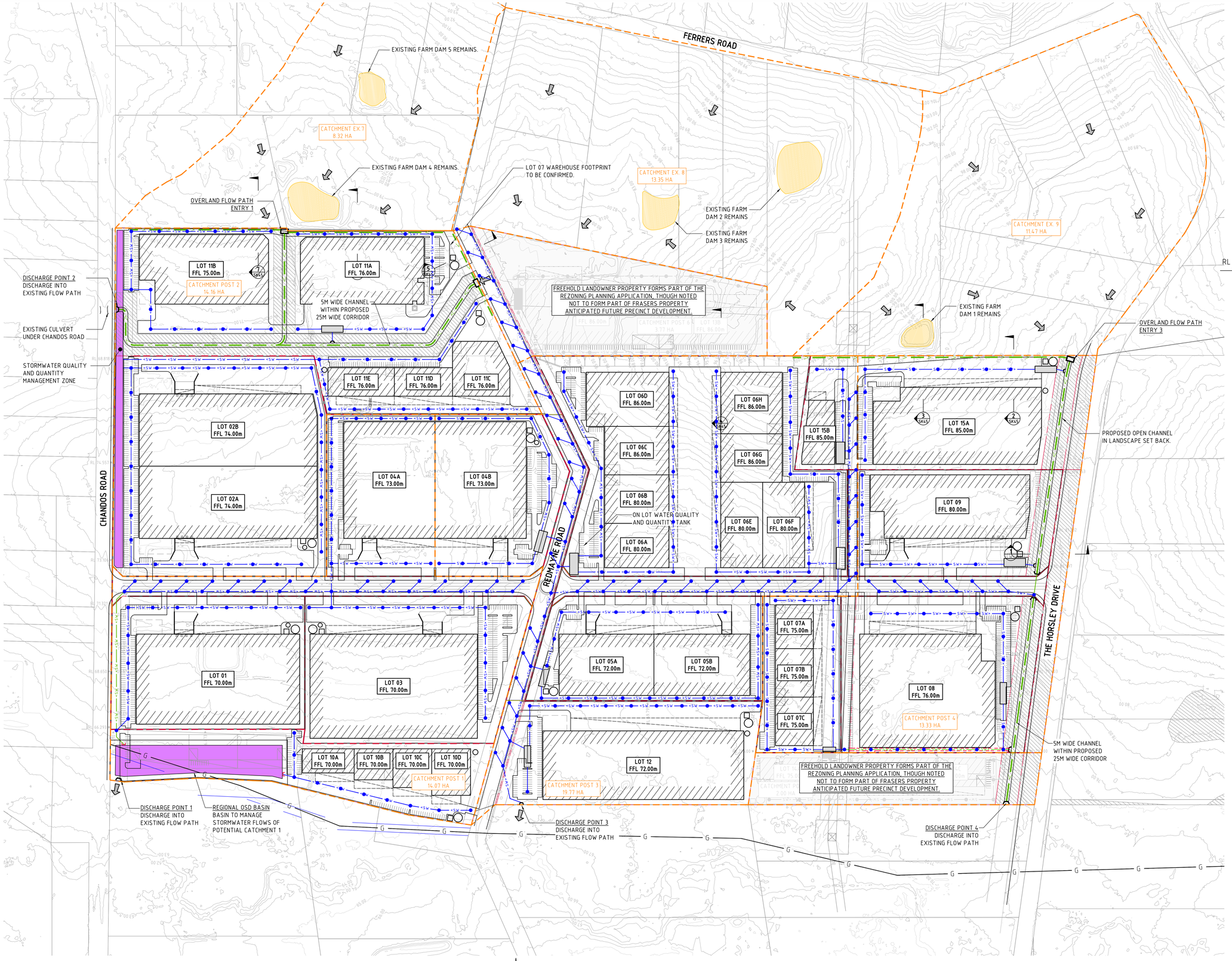


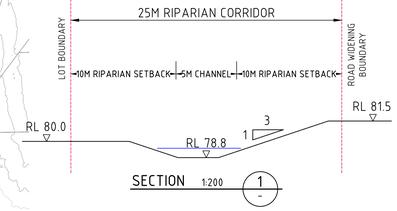
FLOOD MODEL LEGEND:

REFER TO FLOOD MODELING RESULTS FROM CATCHMENT SIMULATION SOLUTIONS.

- 1m FLOOD LEVEL CONTOUR
- 0.1m FLOOD LEVEL CONTOUR

FLOOR DEPTH (m)

- 0.15 TO 0.25
- 0.25 TO 0.50
- 0.5 TO 1.0
- 1.0 TO 2.0
- > 2.0



SECTION 1:200 (1)

STORMWATER MANAGEMENT NOTE:

STORMWATER UP TO THE 5% ANNUAL EXCEEDANCE PROBABILITY (AEP) ARE CONVEYED BY MINOR DRAINAGE SYSTEM.

STORMWATER ABOVE THE 1% ANNUAL EXCEEDANCE PROBABILITY (AEP) ARE CONVEYED BY MAJOR DRAINAGE SYSTEM.

STORMWATER DISCHARGE TABLE

POST DEV. CATCHMENT	AREA (Ha)	PSD (L/s)	OSD VOL. (m^3)
1	13.90	1000	5560
2	14.61	1050	5850
3	19.62	1410	7850
4	13.22	950	5290

REFER TO THE BELOW STORMWATER QUANTITY NOTE FOR PSD RATE. A SITE STORAGE REQUIREMENT RATE (SSR) OF 400m^3/Ha WAS ADOPTED TO CALCULATE OSD VOLUMES AND IS SUBJECT TO CHANGE DURING DETAILED DESIGN.

STORMWATER QUANTITY NOTE:

STORMWATER ON-SITE DETENTION TO BE DESIGNED TO COMPLY WITH FAIRFIELD CITY COUNCIL STORMWATER MANAGEMENT POLICY (SEPTEMBER 2017) SECTION 4.2, AND WESTERN SYDNEY ENGINEERING DESIGN MANUAL SECTION 9.3.5 (2020):

THE MAXIMUM PERMISSIBLE SITE DISCHARGE (PSD) FOR THE 20% AEP AND 1% AEP STORM EVENT IS TO BE 78L/S/Ha FOR THE FULL RANGE OF STORMS.

SITE STORAGE REQUIREMENT (SSR) TO ACHIEVE THE MAX PSD IS APPROXIMATELY 380 TO 420m^3/Ha.
THE POST DEVELOPMENT STREAM EROSION INDEX (SEI) MUST BE NO GREATER THAN 2.0.

STORMWATER QUALITY NOTE:

FAIRFIELD CITY COUNCIL STORMWATER MANAGEMENT POLICY (SEPTEMBER 2017) SECTION 9.4.1 – REDUCE BASELINE ANNUAL POLLUTANT LOAD FOR:

- LITTER & VEGETATION LARGER THAN 5mm (GP) BY 90%
- TOTAL SUSPENDED SOLIDS (TSS) BY 80%
- TOTAL PHOSPHOROUS (TP) BY 55%
- TOTAL NITROGEN (TN) BY 40%

LEGEND:

LEVELS DATUM IS AHD.

- OVERFLOW PATH
- PROPOSED DRAINAGE LINE
- PROPOSED INTERALLOTMENT DRAINAGE LINE
- DRAINAGE PIT
- PROPOSED HEADWALL
- PROPOSED SWALE
- PROPOSED INTERALLOTMENT SWALE
- LOT BOUNDARY
- PROPOSED INTERALLOTMENT EASEMENT
- EXISTING GAS MAIN
- PROPOSED INLET STRUCTURE
- EXISTING FARM DAM

2m 0 5 10 15 20m
SCALE 1:200 AT A0 SIZE SHEET

15m 0 15 30 45 60 75 90 105 120 135 150m
SCALE 1:500 AT A0 SIZE SHEET

CONCEPT STORMWATER DRAINAGE PLAN
SCALE 1:1500

FOR INFORMATION

AMENDMENTS	DATE	ISSUE
ISSUED FOR INFORMATION ONLY - REVISED ARCHITECTURAL MATERPLAN	06.10.23	E
ISSUED FOR INFORMATION ONLY	01.09.21	D
DRAWING RENAMED FROM P40 TO SK40	10.06.21	C
DRAWING RENAMED FROM C40 TO P40	16.04.21	B
ISSUED FOR INFORMATION ONLY	09.04.21	A

AMENDMENTS DATE ISSUE | AMENDMENTS DATE ISSUE | AMENDMENTS DATE ISSUE

CLIENT: FRASERS PROPERTY

PROJECT: KEYHOLE SITE
HORSLEY DRIVE, HORSLEY PARK
NSW, 2175

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	LDV	AUG '22	KC	A0	AS SHOWN	C014052-SK40

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DRAWING TITLE: CONCEPT STORMWATER DRAINAGE LOCALITY PLAN

DRAWING No: C014052.00-SK40 ISSUE: E