STRUCTURE NAME	16/201		2/228		17/201		18/201
STRUCTURE DESCRIPTION	STD IPWEA ACCESS CHAMBER 1800mm DIA WITH CLASS D LID		STD IPWEA ACCESS CHAMBER 1800mm DIA WITH CLASS D LID		STD IPWEA ACCESS CHAMBER 2100mm DIA WITH CONVERTOR SLAB AND 900x900 FI WITH GALV. GRATE Cl. D		STD IPWEA ACCESS CHAMBER 2100mm DIA WITH CONVERTOR SLAB AND 900x900 FI WITH GALV. GRATE Cl. D

SHAFT/PIT BASE

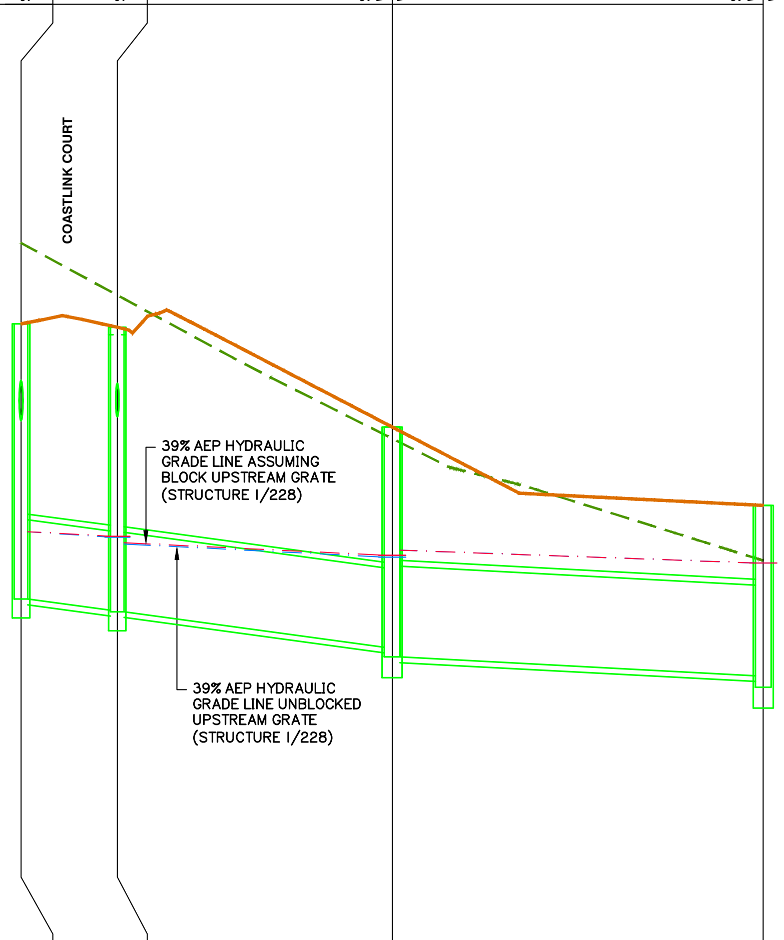
IN FAVOURABLE GROUND CONDITIONS PROVIDE PRECAST CONCRETE ROCLA CPO PIT BASE (OR EQUIVALENT) TO SUIT SPECIFIED DIAMETER OF SHAFT UP TO 1200 DIA.

ALTERNATELY (OR EXCEEDING 1200 DIA) PROVIDE 250mm THICK CAST IN-SITU REINFORCED CONCRETE BASE, 2 LAYERS SL82 MESH ON 50MM THICK BLINDING CONCRETE

CONVERTER SLAB TABLE

SHAFT	OFFSET
1200	475
1350	550
1500	625
1800	775
2100	925

NOTE: PROVIDE DRAINWAY CONVERTER SLAB FOR CPO PITS 1200ø, 1500ø, 1800ø



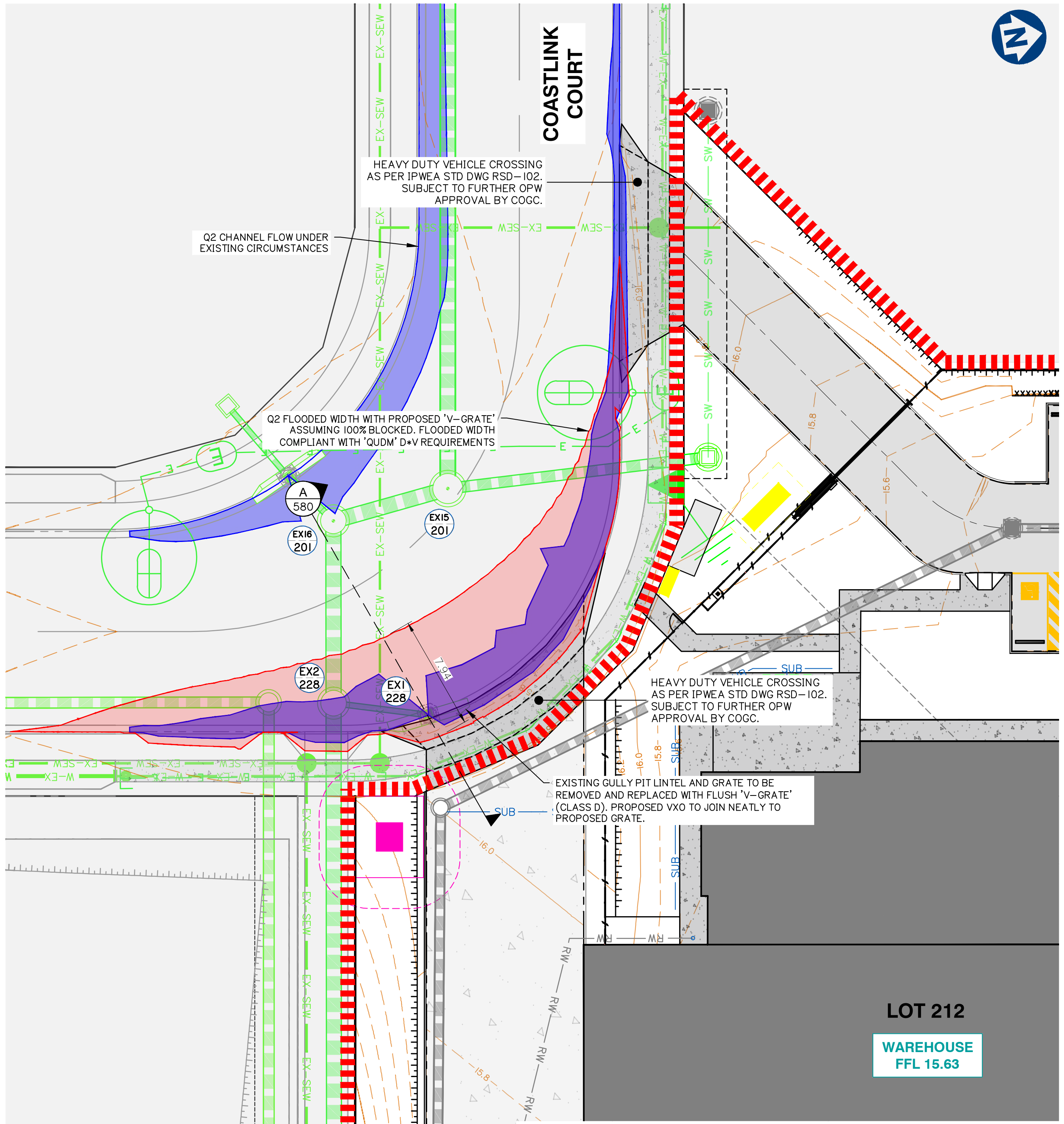
	16/201 → 2/228	2/228 → 17/201	17/201 → 18/201
PIPE / BOX SIZE (mm)	1050	1050	1200
TYPE / CLASS	3	3	3
PIPE / BOX GRADE (%)	1.35%	1.36%	0.53%
PIPE / BOX SLOPE (1 in X)	74.1	73.5	187.8
PIPE / BOX FLOW (cumecs) (39% AEP)	2.509	2.543	2.535
CAPACITY FLOW (cumecs)	3.439	3.453	3.083
PIPE / BOX FLOW VELOCITY (m/s)	2.90	2.94	2.24
CAPACITY FLOW VELOCITY (m/s)	4.33	4.36	3.04

DATUM RL

	16/201		2/228		17/201		18/201
HGL ELEVATION (39% AEP)	13.776 13.871	13.071	12.998	12.908	12.735	12.826	12.657 12.604
DEPTH TO INVERT	3.034	3.642	3.744	3.764	2.913	3.041	2.253 2.404
INVERT LEVEL OF DRAIN	12.787	12.179	12.031	12.011	11.543	11.415	11.165 11.014
FINISHED SURFACE LEVEL	15.821		15.775		14.456		13.418
SETOUT COORDINATES	2847.199 E 6527.254 N		2859.768 E 6525.235 N		2895.636 E 6519.442 N		2944.072 E 6511.630 N
CHAINAGES	559.822	10.931	572.552	34.382	608.885	46.962	657.946

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

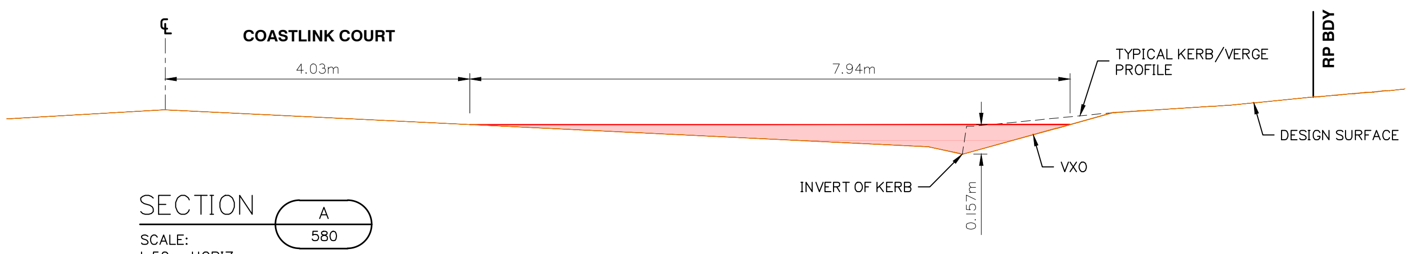
LINE201



ASSESSMENT AGAINST QUDM REQUIREMENTS

DESCRIPTION	FLOODED DEPTH	FLOW DEPTH LIMIT	FLOW WIDTH LIMIT
STRUCTURE EX1/228 100% BLOCKED	0.157m	STILL WATER AT ROAD SAG. MAX FLOW DEPTH 300mm (REFER QUDM TABLE 7.4.3.)	MINOR ROAD. FULL PAVEMENT WIDTH WITH ZERO DEPTH AT CROWN (REFER QUDM TABLE 7.4.2.)

LAYOUT PLAN
SCALE 1:200



SECTION A 580
SCALE:
1:50 HORIZ.
1:20 VERT.

STORMWATER FLOODED WIDTH ANALYSIS WITH EX1/228 BLOCKAGE

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Client: FRASERS PROPERTY
FPI QUEENSLAND PTY LTD

Project:
MODSCAPE WAREHOUSE VANTAGE YATALA

Site Address:
10 COAST LINK COURT STAPYLTON, QLD 4207

RPD:
Lot: 202
Plan: SP329487
Local Authority: CITY OF GOLD COAST
Level Datum: AHD
Meridian:
PSM:
RL:

ISSUED FOR CONSTRUCTION

THIS DRAWING IS INTENDED TO BE PRINTED IN COLOUR. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH GENERAL NOTES.

Drawing Title:
STORMWATER FLOODED WIDTH ANALYSIS WITH EX1/228 BLOCKAGE

Rev	Date	Description	DRN	CHK
P1	27/07/26	ORIGINAL ISSUE	ML	MG

DIMENSIONS IN METRES EXCEPT WHERE SHOWN OTHERWISE.
CULVERT AND PIPE SIZES IN MILLIMERES
A1 UNREDUCED
A3 REDUCED

Scale: 0 4 8 12 16m
1:200 (A1) 1:400 (A3)

PROJECT NORTH POINT

Project No. 6397

Designed: JH	Drafted: ML
Approved:	MG
RPEQ	16939
Signed:	
Date:	27/07/2026

Project No:	Drawing No:	Revision
6397 ENG	CW 580	P1

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