

1  
RP36548

12  
RP844648

11  
RP844648

10  
RP844648

9  
RP844648

8  
RP844648

7  
RP844648

6  
RP844648

5  
RP844648

**CROCKERS RD**

EXISTING DRIVEWAY  
TO BE REINSTATED  
AS REQUIRED

EXISTING DRIVEWAY  
TO BE REINSTATED  
AS REQUIRED

EXISTING DRIVEWAY  
TO BE REINSTATED  
AS REQUIRED

5  
12

5a  
12

6  
12

2  
RP856503

1  
RP856503

1  
RP839784

2  
RP839784

3  
RP839784

4  
RP839784

5  
RP839784

**LEGEND**

**PROPOSED FEATURES**

- RP BOUNDARY
- - - RP EASEMENT
- EARTHWORKS BATTERS
- ROAD KERB & CHANNEL
- ROAD CENTRELINE
- ASPHALT SURFACING
- CONCRETE DRIVEWAY
- CONCRETE FOOTPATH
- STORMWATER DRAINAGE
- DRAINAGE SWALE
- 150Ø SEWER MAIN
- KERB ADAPTER
- PVC-O DN16 WATER MAIN
- DN25 PE100/DN100 uPVC DN9 CONDUIT
- 63 — DESIGN CONTOUR
- RETAINING WALL
- 1.2m HIGH POOL FENCE
- BLOCKWORK WALL
- XX — ALLOTMENT NUMBER
- 4  
9 — STORMWATER STRUCTURE NUMBER

**LEGEND**

**EXISTING FEATURES**

- OVERALL RP BOUNDARY
- - - CADASTRAL EASEMENT
- - - SURVEYED RP BOUNDARY
- - - CADASTRAL RP BOUNDARY
- - - CHANGE IN GRADE
- EARTHWORKS BATTER
- ROAD KERB & CHANNEL
- EDGE OF BITUMEN
- CONCRETE
- BUILDING
- FENCE
- SWD — STORMWATER
- SWD — STORMWATER (BYDA)
- S — SEWER RETICULATION
- S — SEWER RETICULATION (BYDA)
- W — WATER RETICULATION
- W — WATER RETICULATION (BYDA)
- E/OH — OVERHEAD ELECTRICAL
- E — UNDERGROUND ELECTRICAL
- T — TELSTRA
- DC — COMMUNICATIONS
- 12 — NATURAL CONTOUR

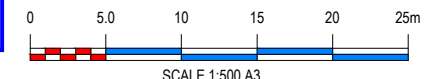
JOINS DWG 3528-2-316

JOINS DWG 3528-2-316

**RECEIVED**  
25/03/2025  
**TOOWOOMBA**  
**REGIONAL COUNCIL**

**TOOWOOMBA REGIONAL COUNCIL**  
**APPROVED PLAN**  
referred to in Council's "Generally in Accordance" letter dated  
**7 April 2025**  
This plan is subject to conditions of Approval Number  
**OW/2024/877**  
*MWS*  
Assessment Manager

**NOTE:**  
REFER DWG 3528-2-002 FOR  
ROADWORKS STANDARD NOTES



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MANAGEMENT SYSTEMS  
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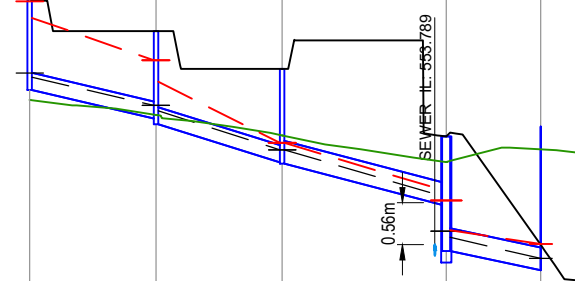
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Designed:	AK	Rev	Date	Comment		
Drawn:	SF	A	4/5/2024	COUNCIL RFI	SF	WT PW
Checked:	WT	D	4/8/2024	RE-ISSUE COUNCIL RFI	SF	AK WT
Vert. Datum:	AHD	E	6/4/2024	FOR CONSTRUCTION	SF	AK PW
Hori. Datum:	MGA GDA 2020	F	1/25/2025	CONSTRUCTION RFI AMENDMENTS	SF	AK PW
Date:	OCT 2023	G	2/25/2025	CONSTRUCTION RFI AMENDMENTS	AK	AK PW
		H	3/21/2025	CONSTRUCTION RFI AMENDMENTS	AK	AK PW
		I	3/25/2025	CONSTRUCTION RFI AMENDMENTS	AK	AK PW

**PROPOSED RESIDENTIAL ESTATE-STAGE 2  
AT 22 KATRINA COURT, WESTBROOK  
FOR VANDERBILT 22 PTY. LTD.**

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**PLAN TITLE:**  
**ROADWORKS & DRAINAGE DETAIL PLAN -  
SHEET 7**  
**FOR CONSTRUCTION**  
**PLAN No: 3528-2-317** REVISION: **1**  
FILE LOCATION: C:\1205\DATA\CCEK\16DC0103528-22 KATRINA COURT, WESTBROOK, 31192\DESIGN - CIVIL\AUTOCAD\STAGE 2\3528-2-310.DWG

STRUCTURE NAME	4-10	5-10	6-10	7-10	8-10
STRUCTURE DISCRIPTION	FIELD INLET PIT 900 x 900	FIELD INLET PIT 900 x 900	FIELD INLET PIT 900 x 900	FIELD INLET PIT 900 x 900	HEADWALL OUTLET
Refer Local Authority Standard Drawings					



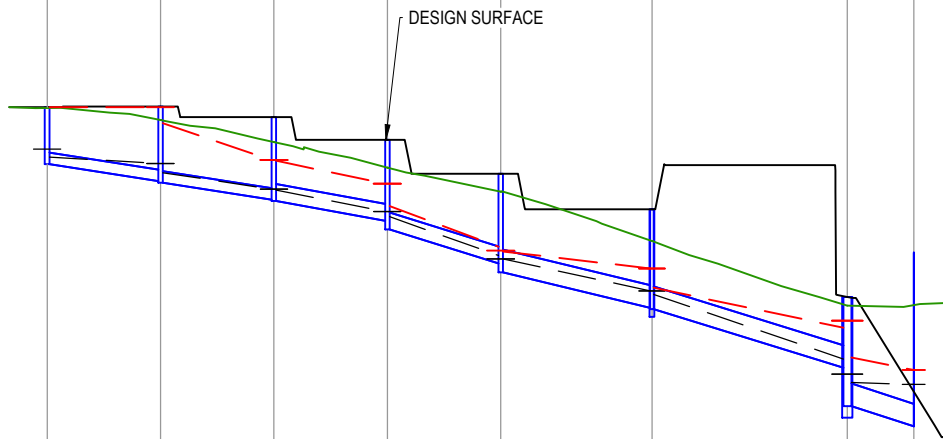
PIPE SIZE (mm)	225	225	300	300
PIPE CLASS	PVC	PVC	PVC	PVC
PIPE GRADE (%)	2.28%	2.99%	2.50%	2.02%
PIPE SLOPE (1 in X)	43.95	33.40	39.97	49.52
FULL PIPE VELOCITY (m/s)	0.99	1.19	0.78	0.78
PART FULL VELOCITY (m/s)	2.01	2.33	2.25	2.07
DATUM RL	549.0			

PIPE FLOW (Cumecs)	0.039	0.047	0.055	0.055	
PIPE CAPACITY AT GRADE (Cumecs)	0.080	0.092	0.181	0.162	
H.G.L LEVEL	556.206 556.151	555.780 555.710	555.191 555.191	554.579 554.034	553.755 553.755
DEPTH TO INVERT	1.157 1.177	1.157 1.234	1.234 1.254	0.903 1.515	1.900 1.900
INVERT LEVEL	555.005 555.985	555.605 555.528	555.028 555.008	554.465 553.852	553.600 553.600
FINISHED SURFACE LEVEL	557.162 557.247	556.762 556.863	556.262 556.479	555.368 555.382	555.500 555.500
SETOUT CO-ORDINATES	E: 387791.726 N: 6945793.247	E: 387808.255 N: 6945790.863	E: 387824.784 N: 6945788.479	E: 387846.261 N: 6945785.382	E: 387857.262 N: 6945791.319
CHAINAGE	50.100	66.800	83.500	105.200	117.701

LENGTH	16.700m	16.700m	21.700m	12.501m
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LINE 10

STRUCTURE NAME	1-11	2-11	3-11	4-11	5-11	6-11	7-11	8-11
STRUCTURE DISCRIPTION	FIELD INLET PIT 900 x 900	FIELD INLET PIT 900 x 900	FIELD INLET PIT 900 x 900	FIELD INLET PIT 900 x 900	FIELD INLET PIT 900 x 900	FIELD INLET PIT 900 x 900	MANHOLE 1050mm DIA	HEADWALL OUTLET



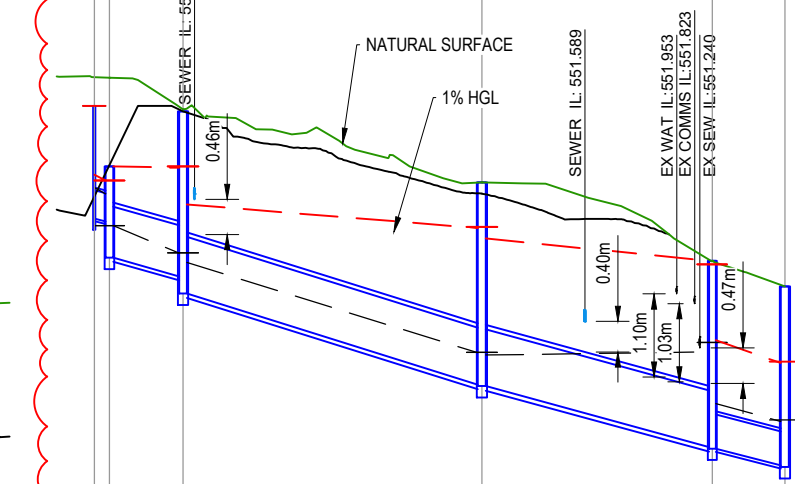
PIPE SIZE (mm)	150	150	225	225	300	300	300	
PIPE CLASS	PVC	PVC	PVC	PVC	PVC	PVC	PVC	
PIPE GRADE (%)	1.50%	1.50%	1.74%	3.00%	2.35%	3.00%	3.05%	
PIPE SLOPE (1 in X)	66.67	66.67	57.51	33.33	42.55	33.33	32.80	
FULL PIPE VELOCITY (m/s)	0.58	1.16	0.77	1.02	0.72	0.90	0.90	
PART FULL VELOCITY (m/s)	1.22	1.42	1.70	2.24	2.14	2.50	2.51	
DATUM RL	549.0							

PIPE FLOW (Cumecs)	0.010	0.020	0.031	0.041	0.051	0.064	0.064								
PIPE CAPACITY AT GRADE (Cumecs)	0.022	0.022	0.070	0.092	0.175	0.198	0.200								
H.G.L LEVEL	556.763	556.679	556.555	556.339	556.326	556.042	555.974	555.460	555.414	554.994	554.947	554.092	553.782	553.755	553.755
DEPTH TO INVERT	0.752	0.987	1.007	1.092	1.112	1.073	1.186	1.186	1.302	1.302	1.322	0.936	1.442	2.300	2.300
INVERT LEVEL	556.011	555.692	555.548	555.247	555.214	555.269	554.788	554.274	553.642	553.625	553.625	553.156	552.640	551.455	551.455
FINISHED SURFACE LEVEL	557.422	557.432	557.292	557.292	557.180	556.992	556.992	556.542	556.072	555.974	555.974	555.425	554.988	554.500	554.500
SETOUT CO-ORDINATES	E: 387909.855 N: 6945908.716	E: 387907.723 N: 6945893.871	E: 387905.591 N: 6945879.023	E: 387903.459 N: 6945864.176	E: 387901.326 N: 6945849.328	E: 387898.483 N: 6945829.531	E: 387894.809 N: 6945803.942	E: 387891.184 N: 6945778.701	E: 387887.794 N: 6945798.646	E: 387884.518 N: 6945788.360	E: 387885.659 N: 6945786.718	E: 387891.184 N: 6945778.701	E: 387930.305 N: 6945773.059	E: 387959.946 N: 6945765.976	E: 387958.016 N: 6945756.571
CHAINAGE	0.000	15.000	30.000	45.000	60.000	80.000	105.851	114.641							

LENGTH	15.000m	15.000m	15.000m	15.000m	20.000m	25.852m	8.789m
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LINE 11

STRUCTURE NAME	1-12	2-12	3-12	4-12	5-12	5A-12
STRUCTURE DISCRIPTION	HEADWALL INLET	GRATED 1.5m x 1.0m	MANHOLE 1050mm DIA	MANHOLE 1050mm DIA WITH BOLT DOWN LID	ON-GRADE GULLY PIT (S) L.L.L LINTEL(2400mm) WITH Ø1200 CHAMBER	MANHOLE 1050mm DIA

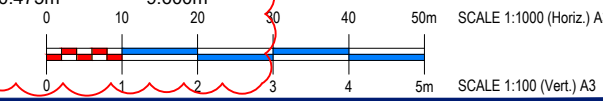


PIPE SIZE (mm)	375	675	750	750	450	
PIPE CLASS	CL3	CL3	CL3	CL3	CL3	
PIPE GRADE (%)	2.00%	2.54%	3.05%	2.65%	2.33%	
PIPE SLOPE (1 in X)	50.00	39.45	32.82	37.79	42.91	
FULL PIPE VELOCITY (m/s)	4.04	1.25	1.01	1.01	2.80	
PART FULL VELOCITY (m/s)	4.04	3.36	3.57	3.39	3.11	
DATUM RL	546.0					

PIPE FLOW (Cumecs)	0.446	0.446	0.446	0.446	0.446			
PIPE CAPACITY AT GRADE (Cumecs)	0.248	1.339	1.944	1.812	0.435			
H.G.L LEVEL	553.358	553.276	552.856	552.491	552.368	551.173	550.501	550.266
DEPTH TO INVERT	0.375	0.730	1.208	2.184	2.411	2.462	2.482	2.367
INVERT LEVEL	552.983	552.546	551.648	550.307	550.057	549.927	549.907	549.684
FINISHED SURFACE LEVEL	553.325	553.640	552.432	553.425	550.734	552.390	552.051	552.051
SETOUT CO-ORDINATES	E: 387884.518 N: 6945788.360	E: 387885.659 N: 6945786.718	E: 387891.184 N: 6945778.701	E: 387930.305 N: 6945773.059	E: 387959.946 N: 6945765.976	E: 387958.016 N: 6945756.571	E: 387958.016 N: 6945756.571	E: 387958.016 N: 6945756.571
CHAINAGE	0.000	2.000	11.736	51.262	81.737	91.337		

LENGTH	2.000m	9.736m	39.526m	30.475m	9.600m
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LINE 12



**TOOWOOMBA REGIONAL COUNCIL**  
**APPROVED PLAN**  
 referred to in Council's "Generally in Accordance" letter dated  
**7 April 2025**  
 This plan is subject to conditions of Approval Number  
**OW/2024/877**  
*MAS*  
 Assessment Manager

**CONTOUR**  
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 MANUFACTURING  
 ISO 9001  
 Quality Assured International 3rd Party Accredited

<b>PLAN DETAILS:</b>		<b>PLAN AMENDMENTS:</b>	
Designed: AK	Drawn: SF	Rev	Date
Checked: WT	Vert. Datum: MGA GDA 2020	Comment	Alt
Hori. Datum: MGA GDA 2020	Date: OCT 2023	FOR CONSTRUCTION	Chkd
		SEWER RE-ALIGNMENT	RPEQ
		CONSTRUCTION RFI AMENDMENTS	SF
		CONSTRUCTION RFI AMENDMENTS	AK
		CONSTRUCTION RFI AMENDMENTS	AK
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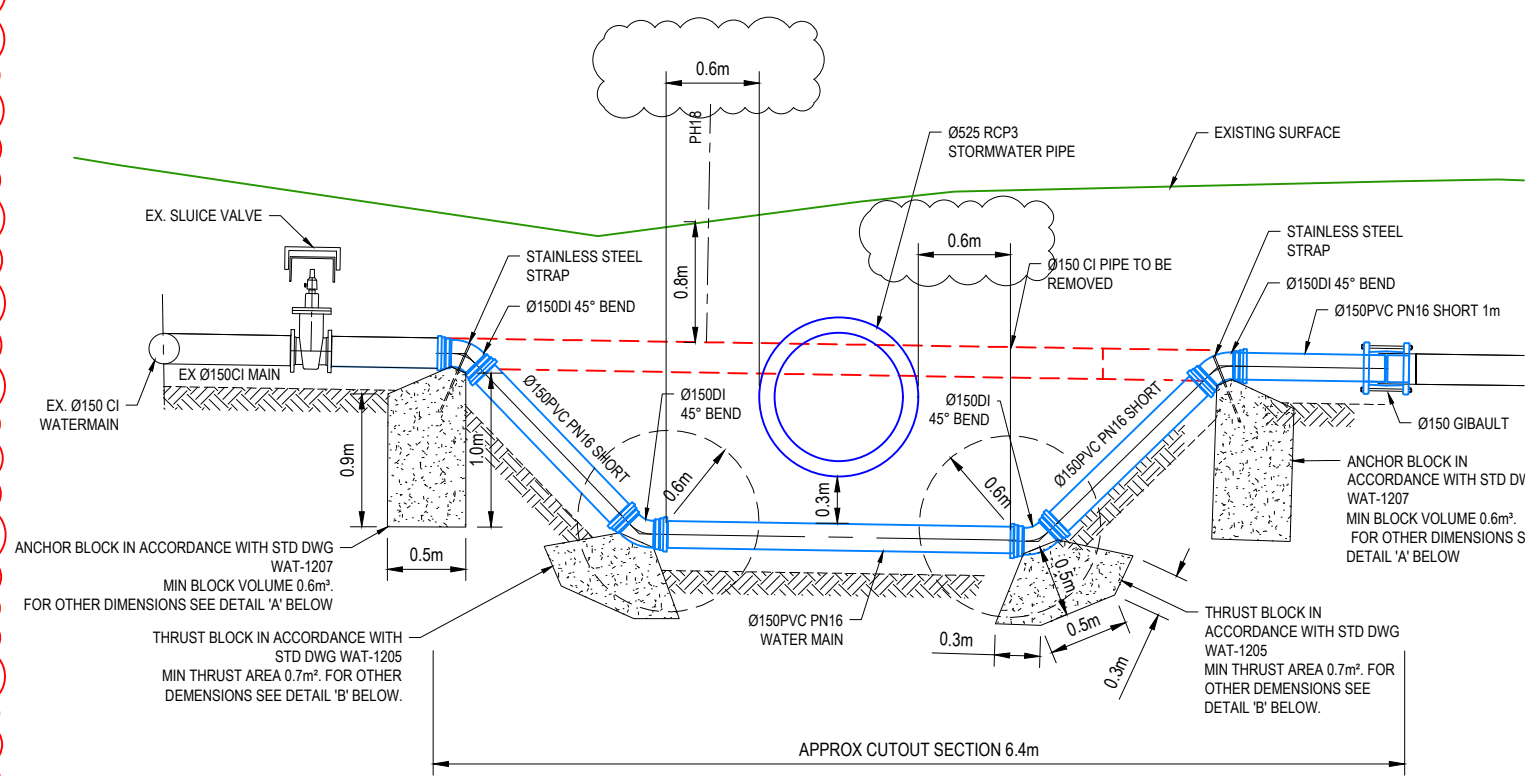
**PROPOSED RESIDENTIAL ESTATE-STAGE 2  
 AT 22 KATRINA COURT, WESTBROOK  
 FOR VANDERBILT 22 PTY. LTD.**

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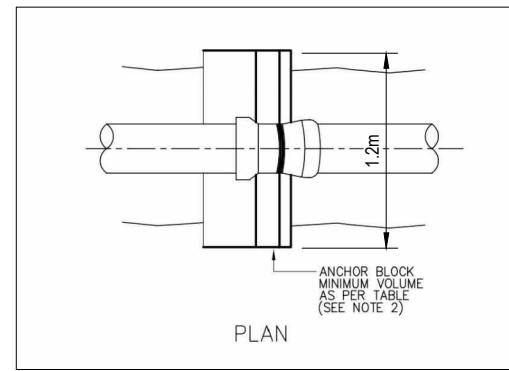
**PLAN TITLE:**  
**STORMWATER LONGITUDINAL SECTIONS - SHEET 5**  
**FOR CONSTRUCTION**  
 PLAN No: **3528-2-414** REVISION: **L**  
 FILE LOCATION: C:\1205\DATA\ACCE\2K16DC0103528-22-KATRINA COURT, WESTBROOK\_31192\DESIGN - CIVIL\AUTOCAD\STAGE 2\3528-2-410.DWG

STRUCTURE NAME	5A-12	6-12
STRUCTURE DISCRPTION	MANHOLE 1050mm DIA	EXISTING MANHOLE
Refer Local Authority Standard Drawings		
PIPE SIZE (mm)	450	
PIPE CLASS	CL3	
PIPE GRADE (%)	2.60%	
PIPE SLOPE (1 in X)	38.46	
FULL PIPE VELOCITY (m/s)	2.80	
PART FULL VELOCITY (m/s)	3.29	
DATUM RL	543.0	
PIPE FLOW (Cumecs)	0.446	
PIPE CAPACITY AT GRADE (Cumecs)	0.460	
H.G.L LEVEL	550.266 550.093	546.490 546.490
DEPTH TO INVERT	2.367 2.387	1.656 1.656
INVERT LEVEL	549.684 549.664	546.133 546.133
FINISHED SURFACE LEVEL	552.051	547.789
SETOUT CO-ORDINATES	E. 387958.016 N. 6945756.571	E. 387938.576 N. 6945622.181
CHAINAGE	91.337	227.126
LENGTH	135.789m	

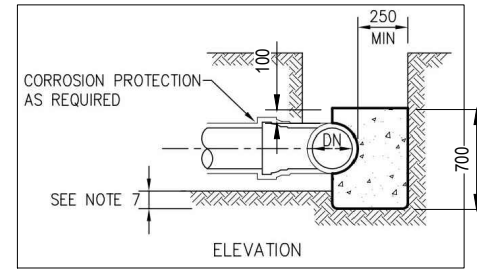
LINE 12



**WATER LIVETWORKS #1 - LOWERING EXISTING WATER MAINS**  
SCALE 1:50 A3



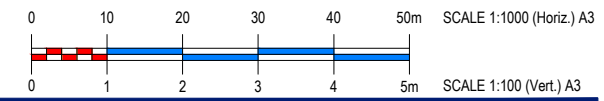
**DETAIL 'A' - ADDITIONAL DETAIL FOR ANCHOR BLOCK**  
NOT TO SCALE



**DETAIL 'B' - ADDITIONAL DETAIL FOR THRUST BLOCK**  
NOT TO SCALE

**NOTE:**  
THRUST BLOCK DETAILS TO BE READ IN CONJUNCTION WITH WATER SUPPLY CODE OF AUSTRALIA STD DRAWINGS WAT-1205 & WAT-1207

**TOOWOOMBA REGIONAL COUNCIL**  
**APPROVED PLAN**  
referred to in Council's "Generally in Accordance" letter dated  
**7 April 2025**  
This plan is subject to conditions of Approval Number  
**OW/2024/877**  
*[Signature]*  
Assessment Manager



**CONTOUR**  
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PLAN DETAILS:		PLAN AMENDMENTS:	
Designed:	AK	Rev	Date
Drawn:	SF	A	2/25/2025
Checked:	WT	I	2/28/2025
Vert. Datum:	MGA GDA 2020	J	3/4/2025
Hori. Datum:	OCT 2023	K	3/14/2025
Date:		L	3/21/2025
		M	3/24/2025
		N	3/25/2025

**PROPOSED RESIDENTIAL ESTATE-STAGE 2  
AT 22 KATRINA COURT, WESTBROOK  
FOR VANDERBILT 22 PTY. LTD.**

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**PLAN TITLE:**  
**STORMWATER LONGITUDINAL SECTIONS - SHEET 6**

**PLAN No: 3528-2 - 415** REVISION: **N**

FILE LOCATION: C:\1205\DATA\CCE\2K16DC01\032528 - 22 KATRINA COURT, WESTBROOK, 31192\DESIGN - CIVIL\AUTOCAD\STAGE 2\3528-2-410.DWG