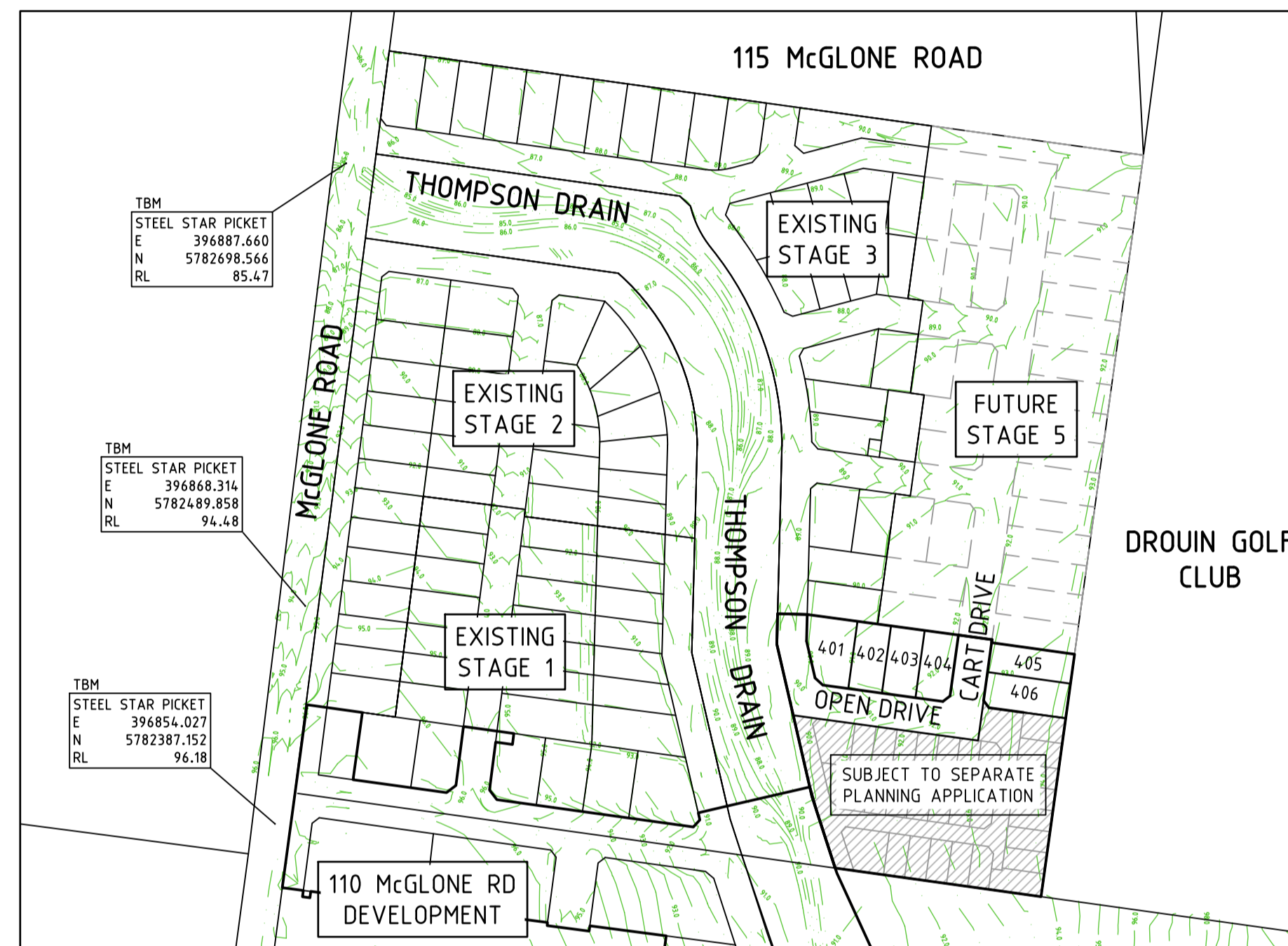
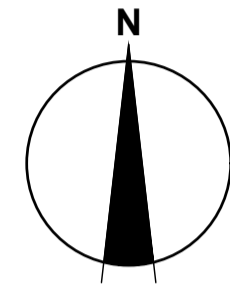


175 MCGLONE ROAD, DROUIN

DETAILED DESIGN - STAGE 4

BAW BAW SHIRE COUNCIL - PLA0382/16



LOCALITY PLAN
VIC ROADS REF: 96 F3

Drawing Index

16028-04-01	Locality Plan	
16028-04-02	Layout Plan	
16028-04-03	Intersection Detail Plan & Typical Cross Sections	
16028-04-04	Longitudinal Sections & Setout Information	
16028-04-05	Cross Sections - Open Drive	CH0.000 - CH80.231
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16028-04-09	General Notes & Details	
16028-04-10	Master Services Plan	
16028-04-11	Signage & Linemarking Plan	
16028-04-12	Retaining Wall & Earthworks Plan	

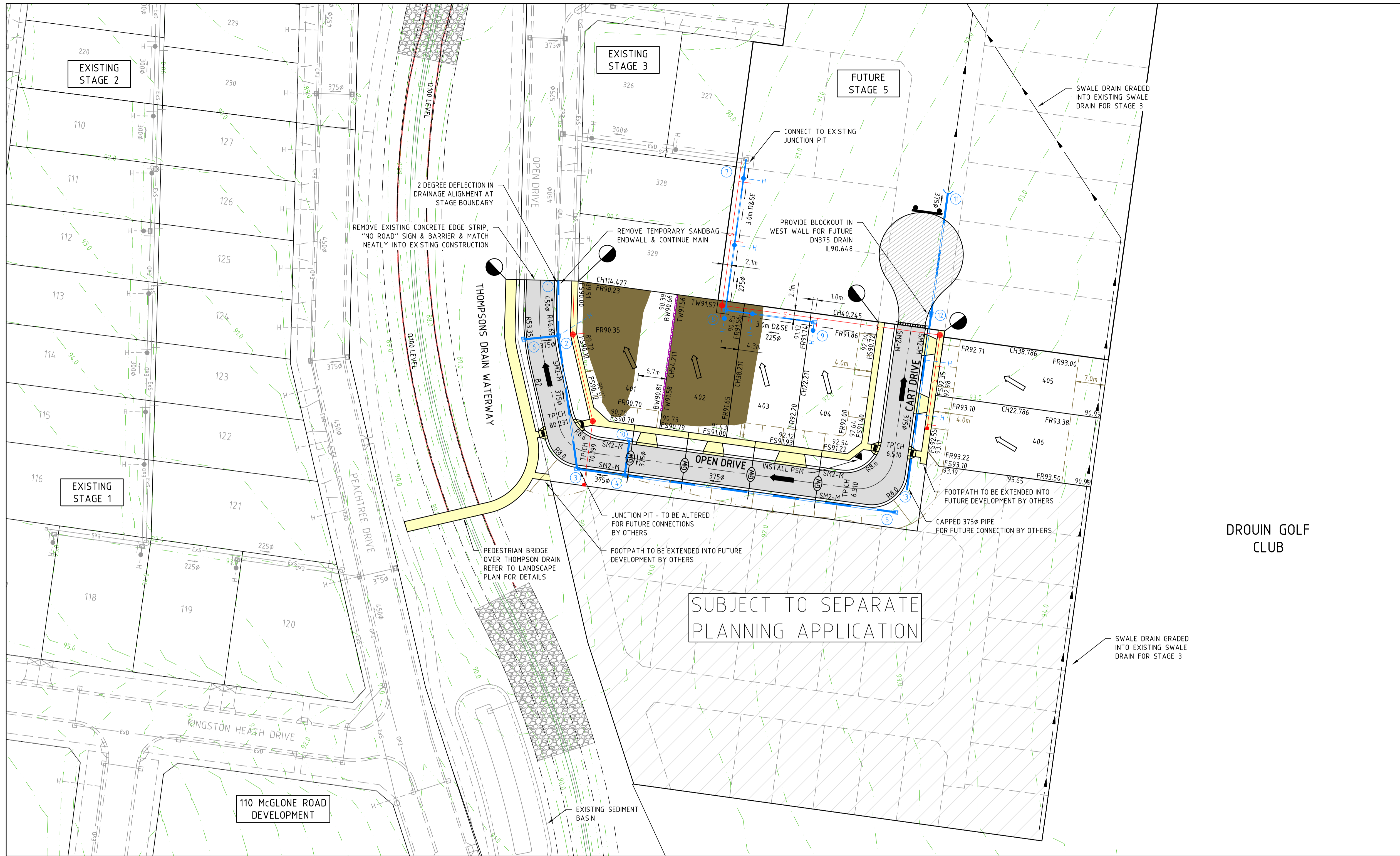
THE FAIRWAYS

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LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RISING MAIN
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE RETAINED/REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- PROPOSED STREET LIGHT

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)				KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	INV to INV	BACK to BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST	
			ROAD WIDTH (m)							
OPEN DRIVE (LOT 401)	ACCESS ROAD	14.00	6.70	7.30	7.75	B2	SM2-M	1.20	5.05	
OPEN DRIVE (LOT 401-404)	ACCESS ROAD	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.05	4.05	
CART DRIVE (LOT 405-406)	ACCESS ROAD	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.05	4.05	

ROAD NAME	SERVICES OFFSET SCHEDULE							
	GAS		WATER		ELECTRICITY		TELSTRA	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
OPEN DRIVE (LOT 401)	EAST	1.80	EAST	2.30	EAST	3.30	EAST	2.80
OPEN DRIVE (LOT 401-404)	SOUTH	2.10	SOUTH	2.60	NORTH	2.30	NORTH	1.80
CART DRIVE (LOT 405-406)	EAST	2.10	EAST	2.60	WEST	2.30	WEST	1.80

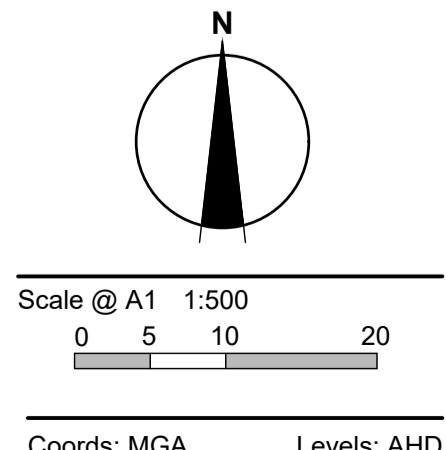
WARNING
BWARE OF UNDERGROUND SERVICES
 The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
 www.1100.com.au

REVISION	DATE	DES/DT	APPD
1	AS CONSTRUCTED ISSUE	31.05.22	AC/AC KT
C	ISSUED FOR CONSTRUCTION	02.08.21	AC/AC KT
B	ISSUED FOR CONSTRUCTION	10.06.21	AC/AC KT
A	INITIAL ISSUE	20.10.20	AC/AC KT

THE FAIRWAYS

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 Drawn
 A.Cantwell
 Checked
 M.Warry
 Authorised
 K.Taylor
 Date
 October 2020



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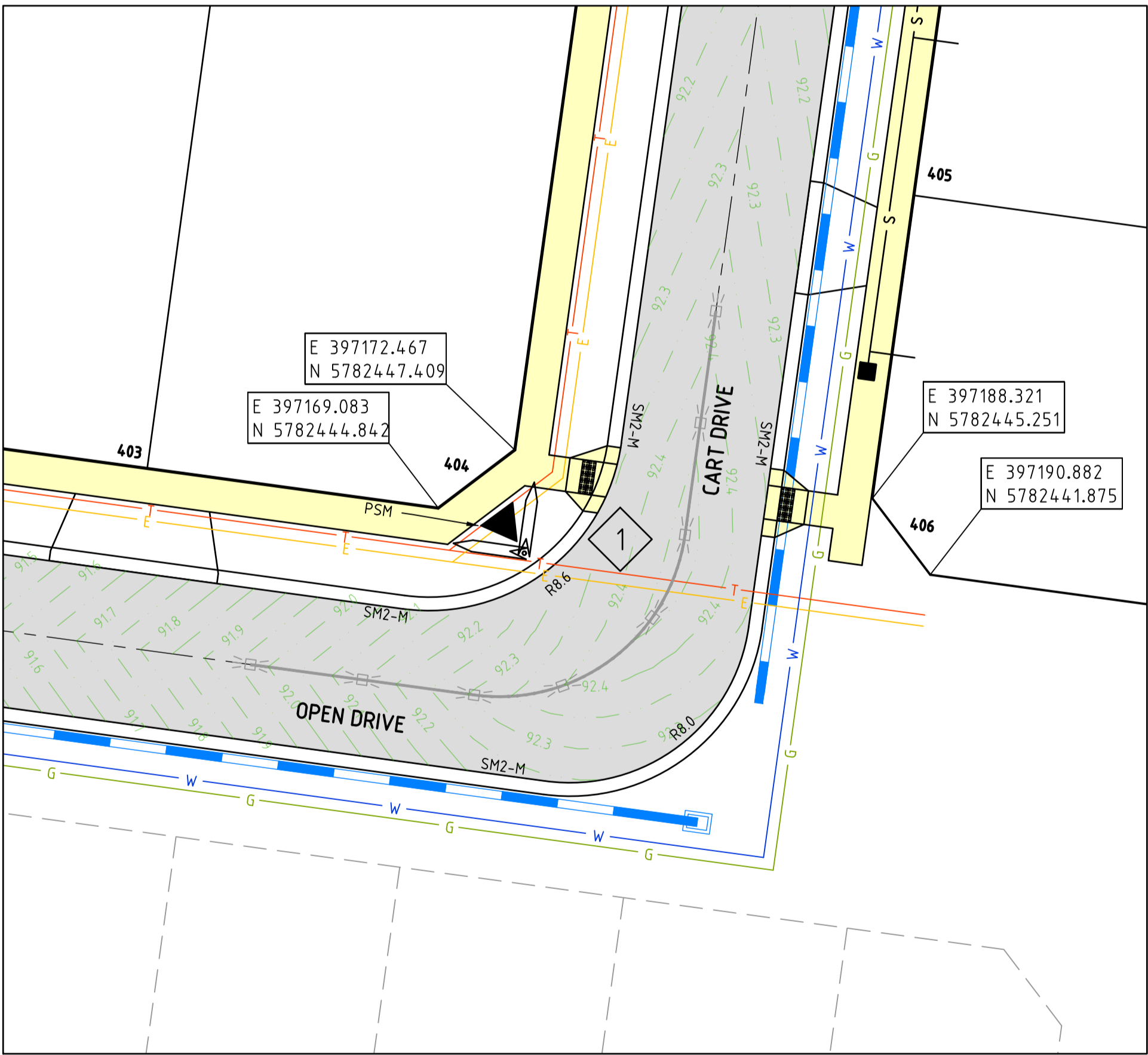
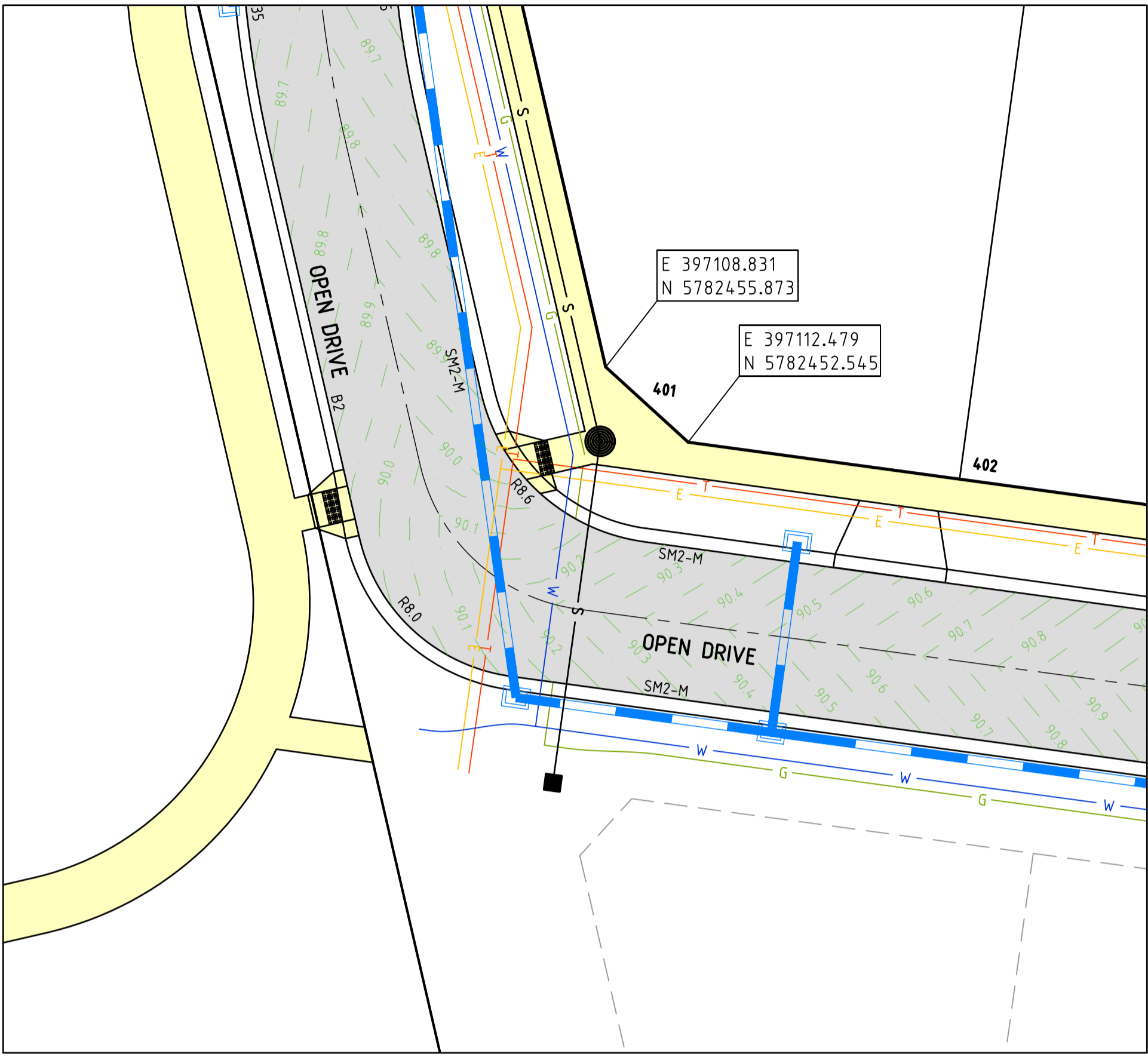
175 MCGLONE ROAD, DROUIN
 DETAILED DESIGN - STAGE 4
 BAW BAW SHIRE COUNCIL - PLA0382/16
 ROADWORKS AND DRAINAGE
 LAYOUT PLAN

Drawing No. 16028-04-02
 Sheet No. 02 of 12

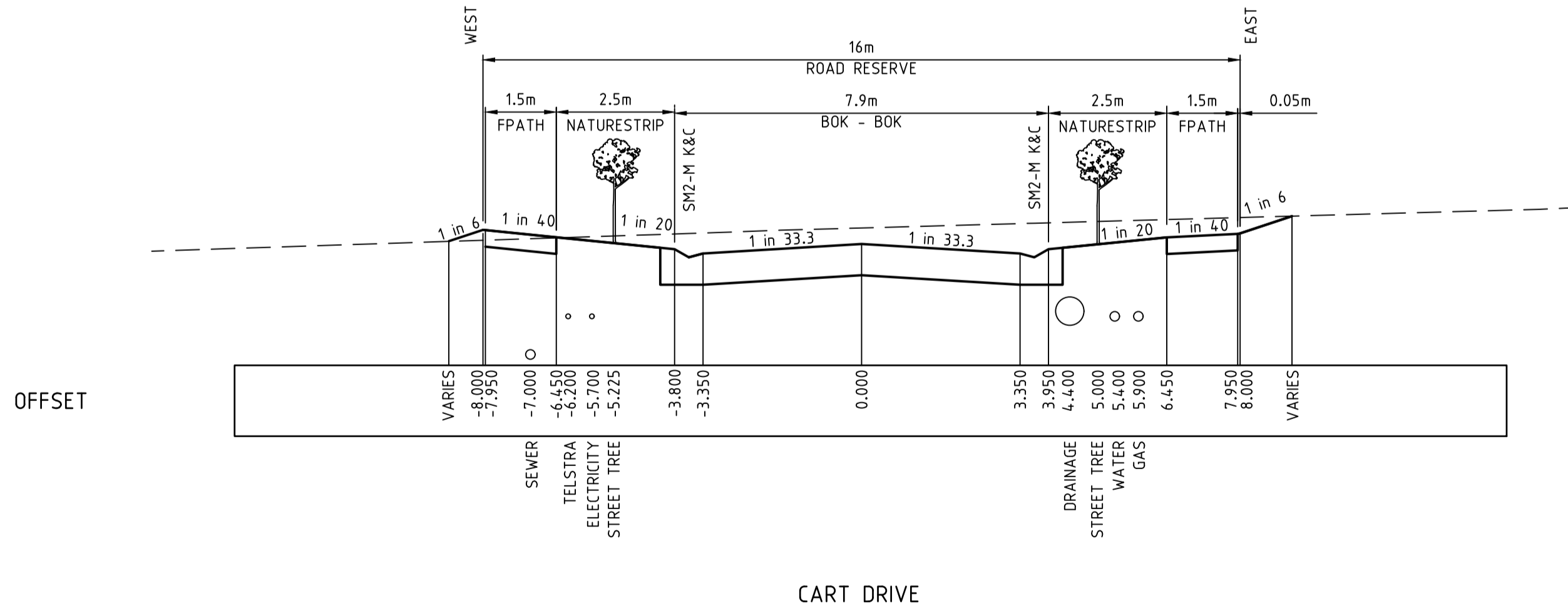
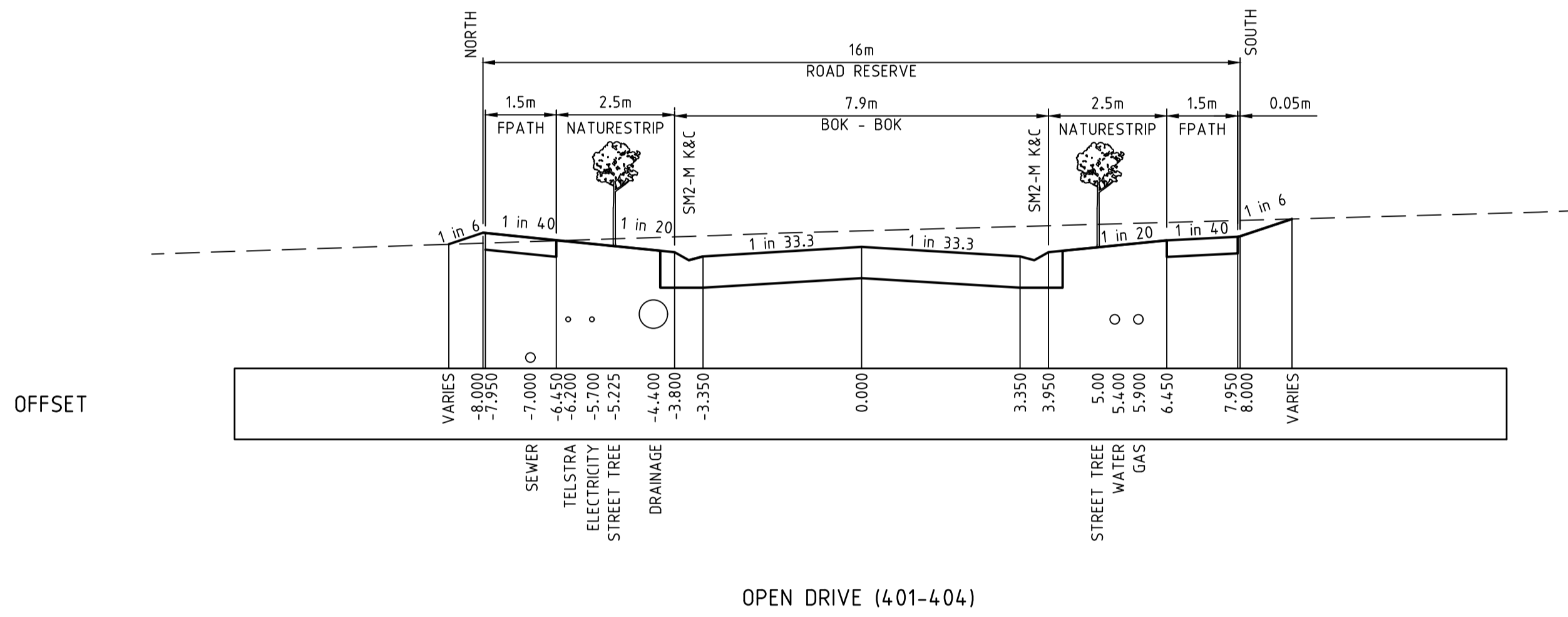
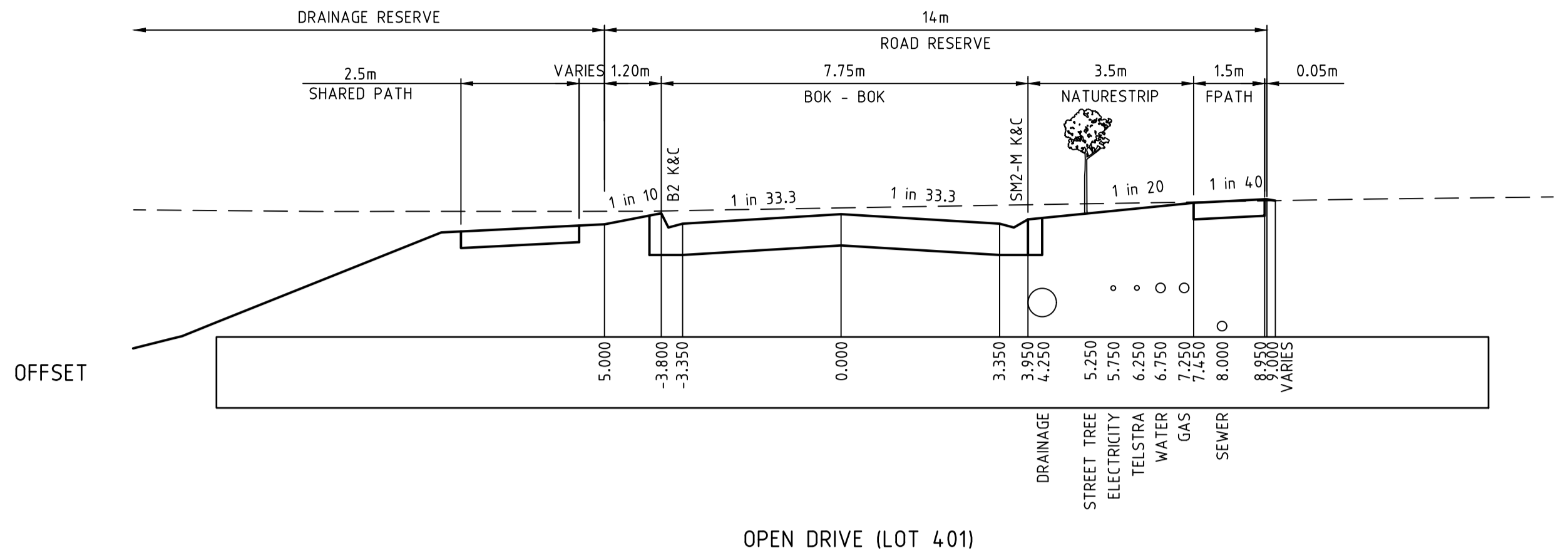
Rev 1

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I:\work\16028-175 mcglone rd drouin\16028-04\stage4\16028-04-02



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 The locations of underground services are approximate only and their exact position should be proven on site.
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SIGN SCHEDULE

SIGN	REF
STREET SIGN	1

LEGEND - INTERSECTION PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS
- EXISTING HOUSE DRAIN
- RETAINING WALL
- PAVEMENT TREATMENT
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY

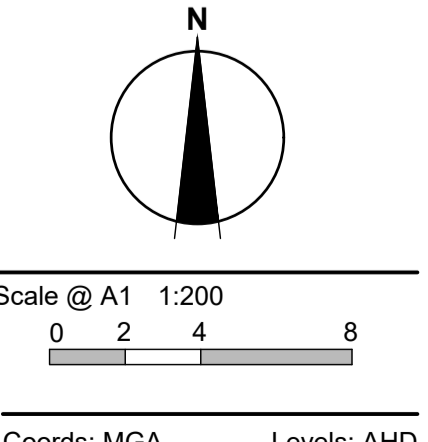
NOTES
 1. REFER TO SHEET No 16028-04-04 FOR SETOUT INFORMATION.
 2. 90° BENDS TO HAVE CENTRELINE MARKING WITH RPPM'S AT MAX 6m SPACING.

REVISION	DATE	DES/DTF	APPD
1	31.05.22	AC/AC	KT
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THE FAIRWAYS

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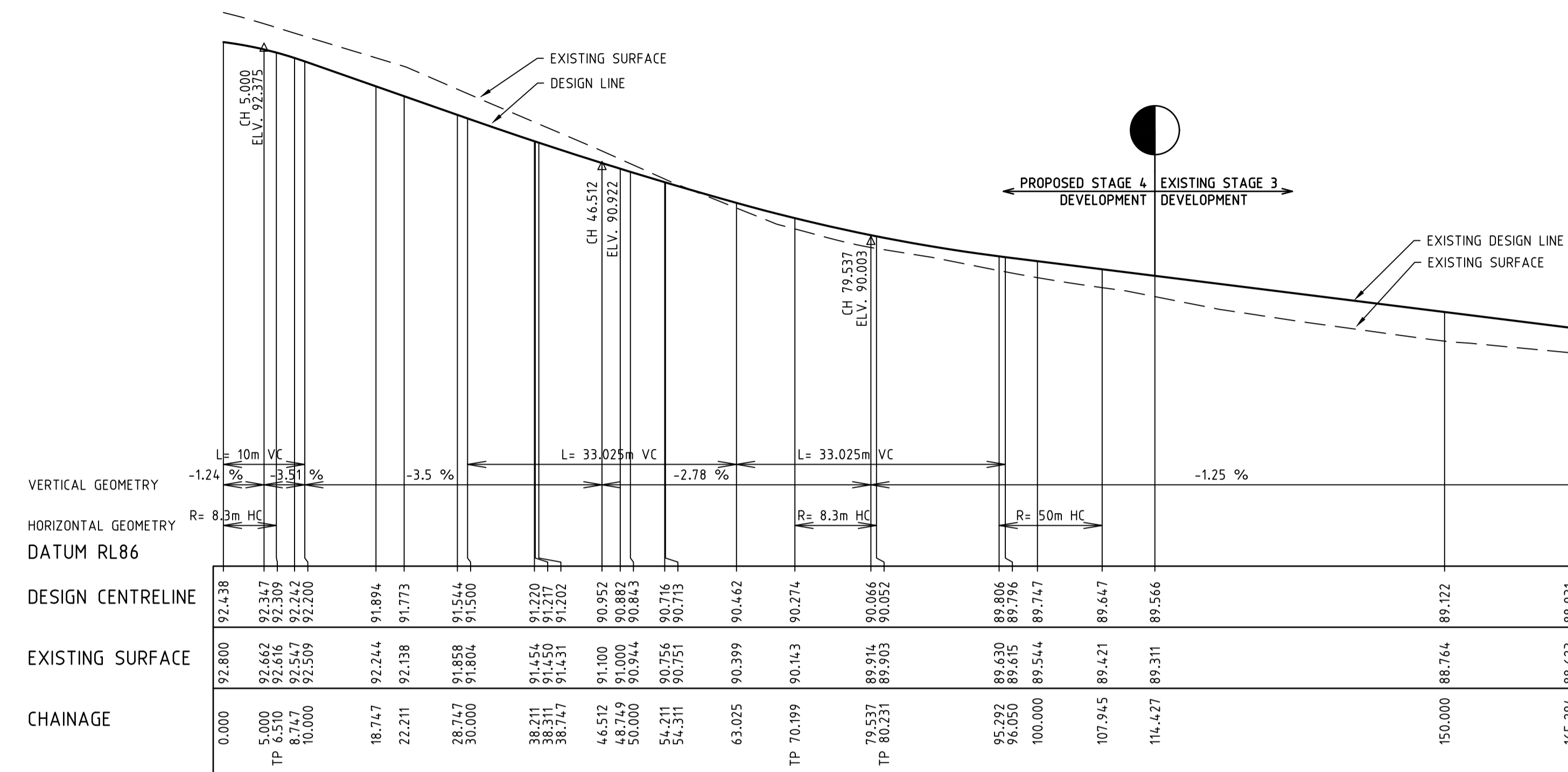
175 MCGLONE ROAD, DROUIN
 DETAILED DESIGN - STAGE 4
 BAW BAW SHIRE COUNCIL - PLA0382/16
 ROADWORKS AND DRAINAGE
 INTERSECTION DETAIL PLAN & TYPICAL CROSS SECTIONS

Drawing No. 16028-04-03
 Sheet No. 03 of 12
 Rev 1

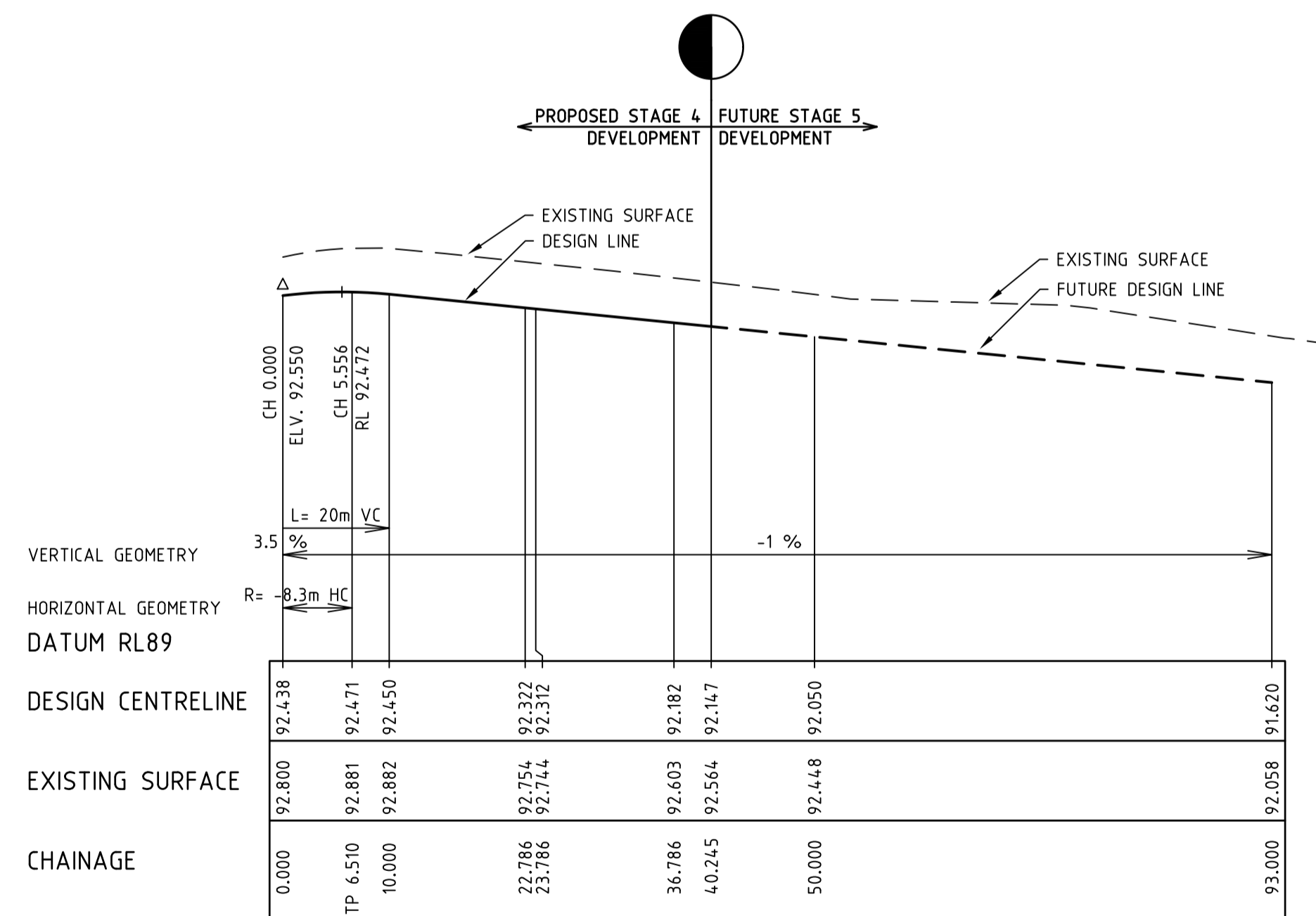
AS CONSTRUCTED

I:\work\16028-175 mcglone rd drouin\16028-04-04.dwg 16028-04-03

---	EXISTING SURFACE
---	DESIGN LINE
---	FUTURE DESIGN LINE



OPEN DRIVE LONGITUDINAL SECTION



CART DRIVE LONGITUDINAL SECTION

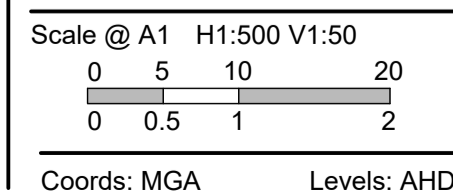
OPEN DRIVE DESIGN LINE				
CHAINAGE	EASTING	NORTHING	BEARING	
0.000	397176.816	5782438.163	232°48'40"	
2.564	397174.569	5782436.951	250°30'41"	
5.128	397172.059	5782436.479	268°12'42"	
6.510	397170.680	5782436.551	277°44'60"	
70.199	397107.573	5782445.139	277°44'60"	CT
71.795	397106.022	5782445.505	288°46'03"	CT
74.359	397103.759	5782446.689	306°28'04"	
76.923	397101.963	5782448.505	324°10'05"	
79.487	397100.805	5782450.781	341°52'06"	
80.231	397100.605	5782451.496	347°00'00"	CT
95.292	397097.217	5782466.172	347°00'00"	CT
100.000	397096.375	5782470.802	352°23'44"	
106.250	397095.937	5782477.033	359°33'27"	
107.945	397095.953	5782478.728	1°29'60"	CT
165.294	397097.454	5782536.057	1°29'60"	

CART DRIVE DESIGN LINE				
CHAINAGE	EASTING	NORTHING	BEARING	
0.000	397176.816	5782438.163	52°48'40"	
2.564	397178.589	5782440.001	35°06'39"	
5.128	397179.719	5782442.292	17°24'38"	
6.510	397180.021	5782443.638	7°52'20"	CT
98.245	397192.586	5782534.509	7°52'20"	

THE FAIRWAYS

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 Berwick, VIC, 3806

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175 MCGLONE ROAD, DROUIN
 DETAILED DESIGN - STAGE 4
 BAW BAW SHIRE COUNCIL - PLA0382/16
 ROADWORKS AND DRAINAGE
 LONGITUDINAL SECTIONS & SETOUT INFORMATION

Drawing No. 16028-04-04
 Sheet No. 04 of 12

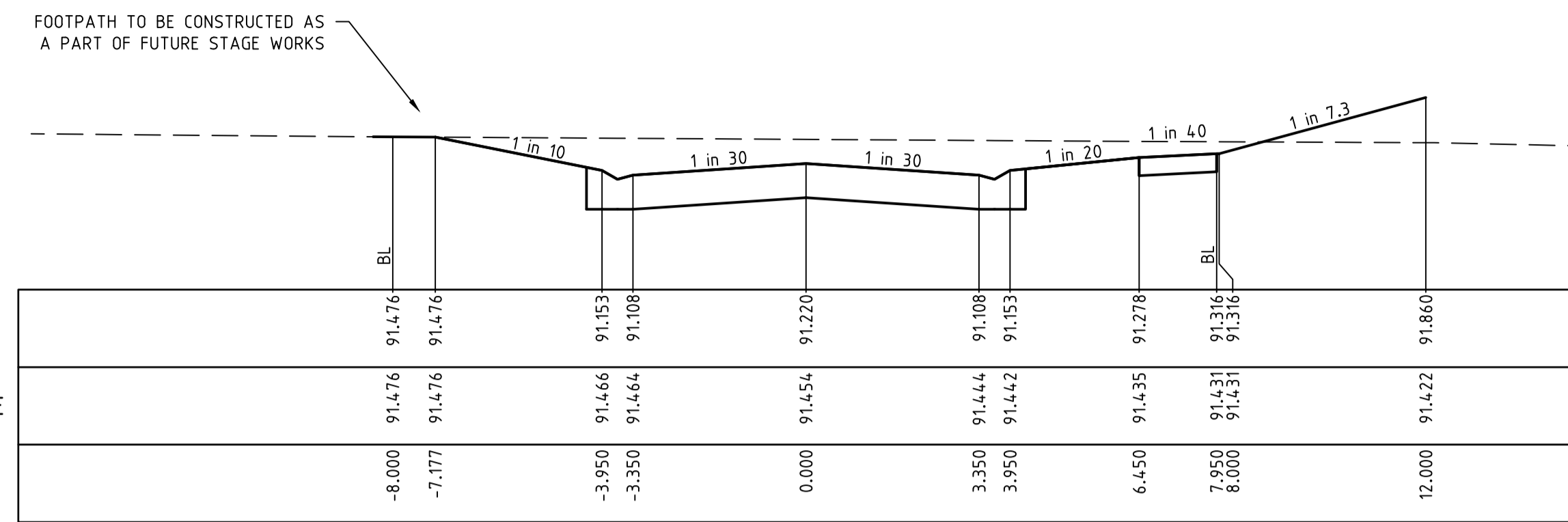
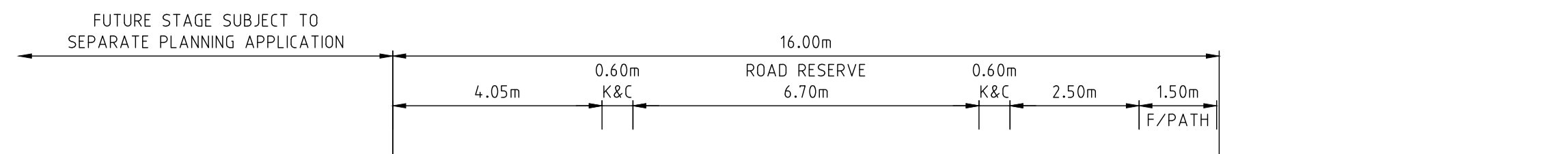
Rev 1

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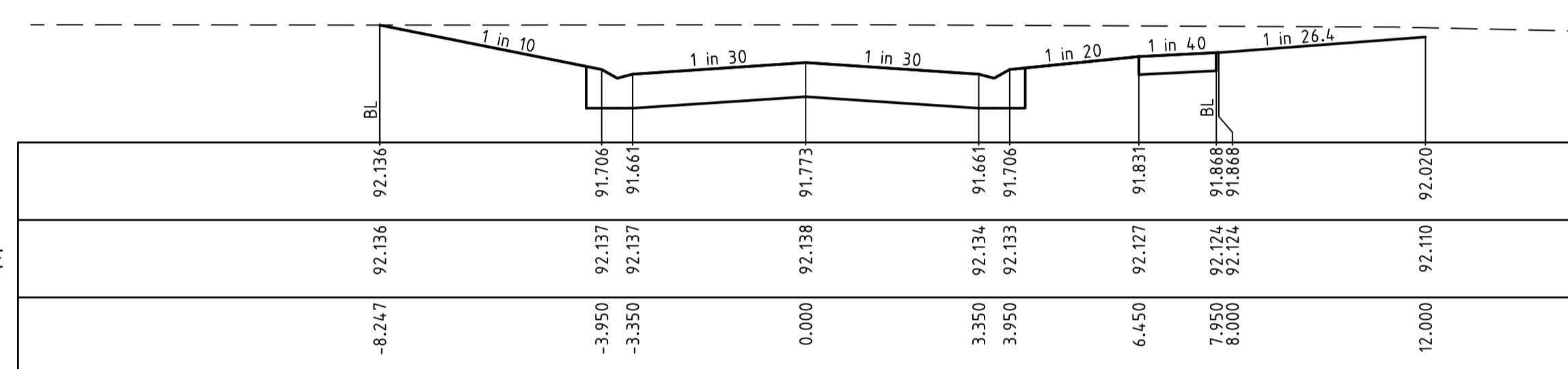
I:\work\16028-175 mcglone rd drouin\16028-04\dwg\16028-04-04

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE

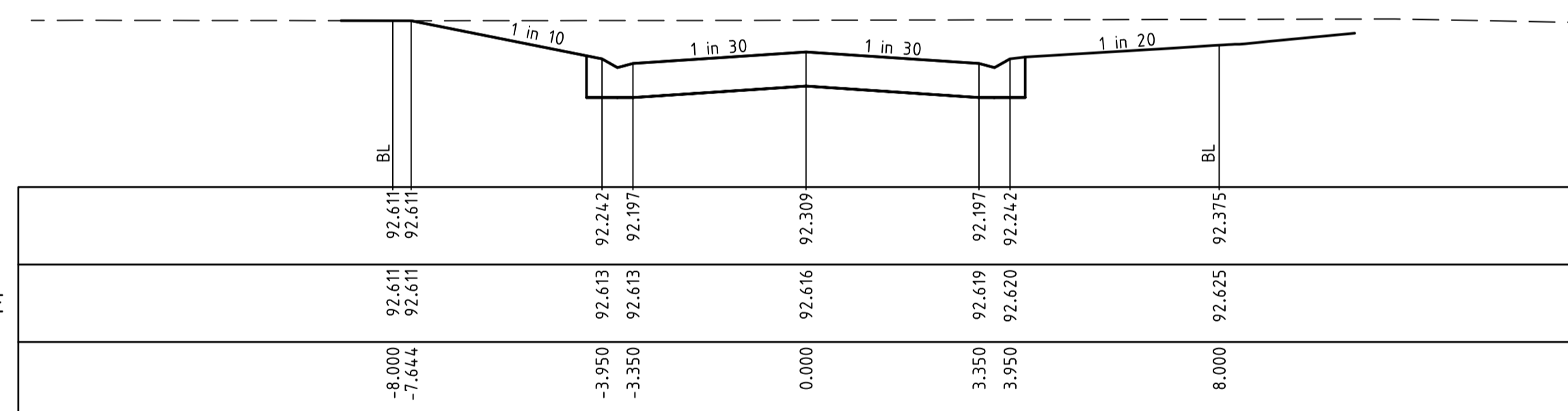
LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE



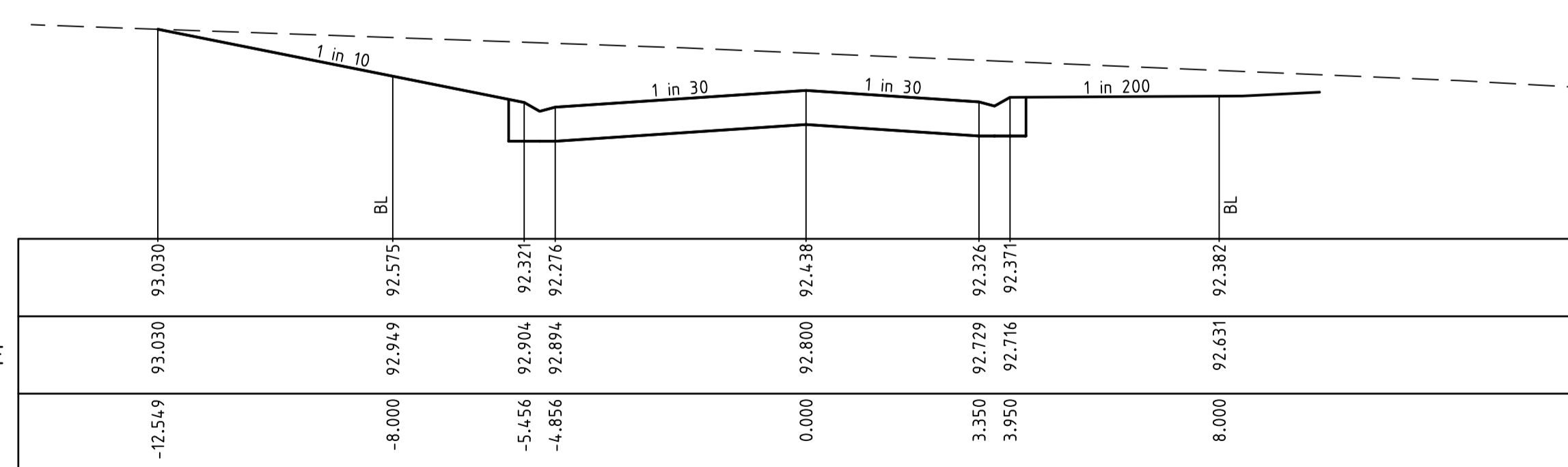
CH 38.211



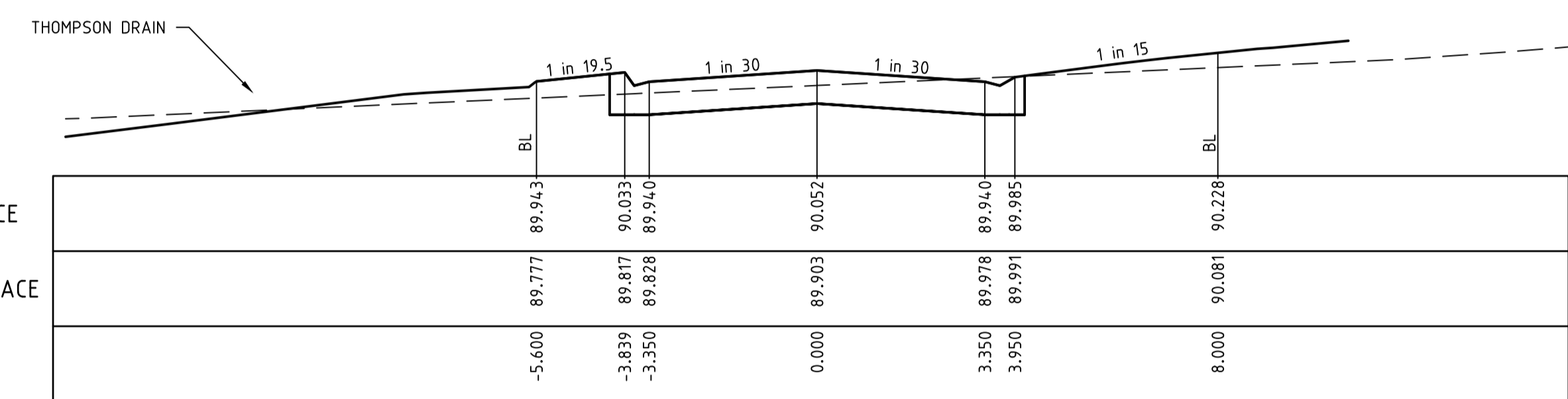
CH 22.211



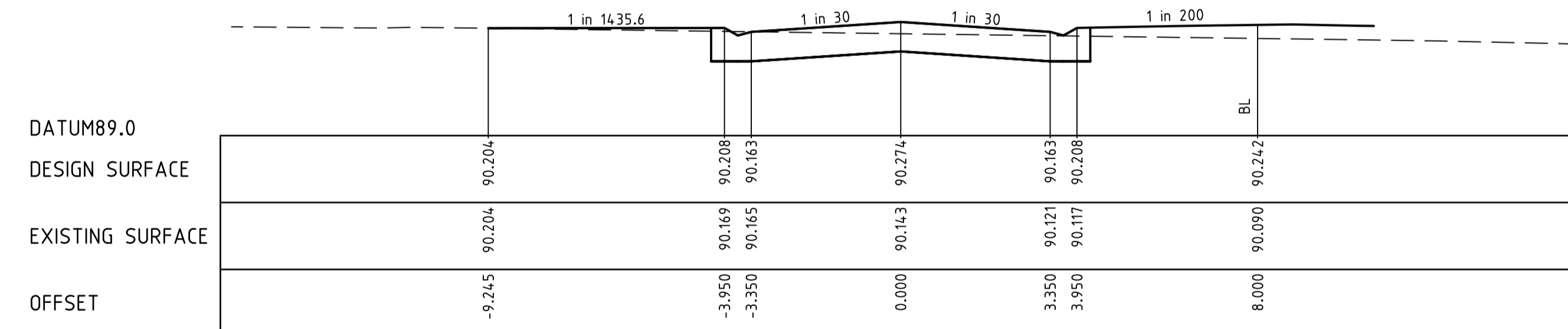
TP CH 6.510 (WITHIN CORNER)



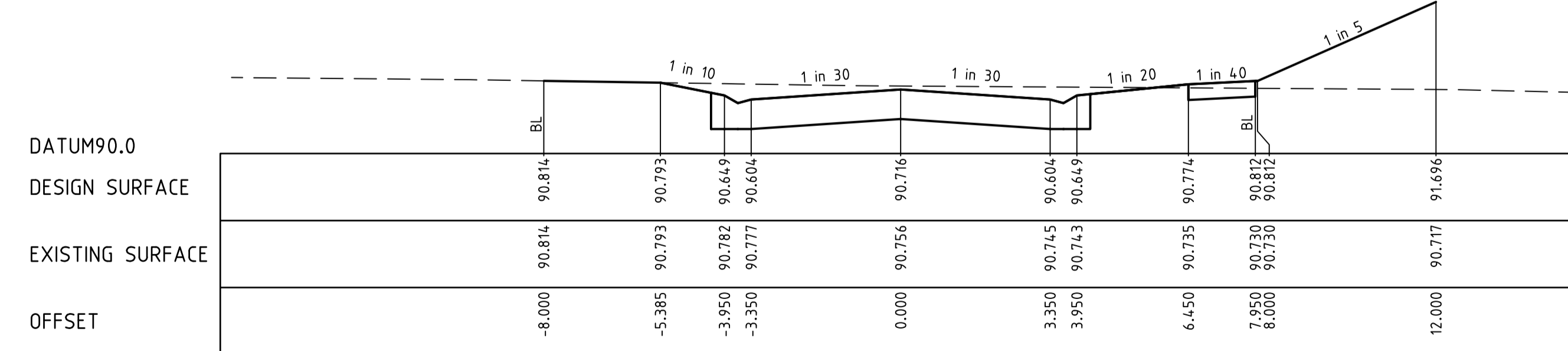
CH 0.000 (WITHIN CORNER)



TP CH 80.231 (WITHIN CORNER)



TP CH 70.199 (WITHIN CORNER)



CH 54.211

I:\work\16028-175 mcglone rd drouin\16028-04.dwg 16028-04-05

REVISION	DATE	DESIGN	APPD
1	31.05.22	AC/AC	KT
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Scale @ A1 H1:100 V1:50
0 1 2 4
0 0.5 1 2

Coords: MGA Levels: AHD

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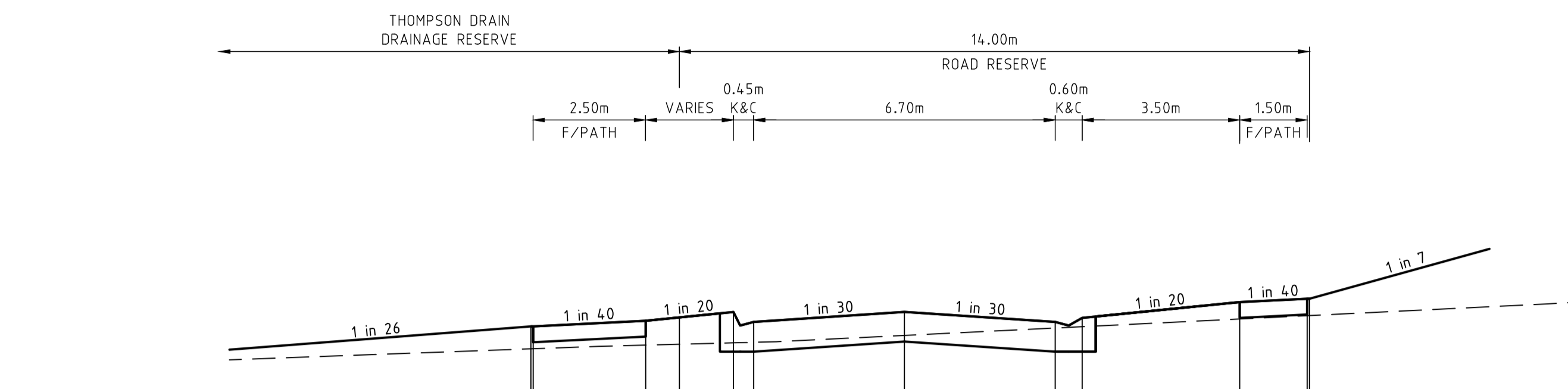
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175 MCGLONE ROAD, DROUIN
DETAILED DESIGN - STAGE 4
BAW BAW SHIRE COUNCIL - PLA0382/16
ROADWORKS AND DRAINAGE
CROSS SECTIONS - OPEN DRIVE
CH0.000 - CH80.231
Drawing No. 16028-04-05
Sheet No. 05 of 12

Rev 1
AS CONSTRUCTED

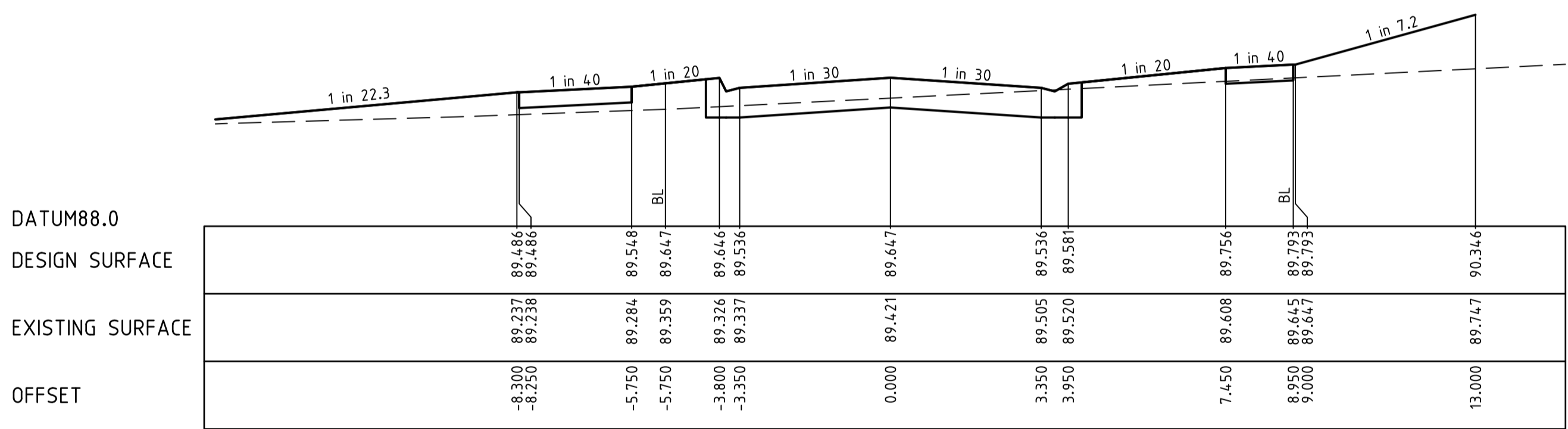
—	EXISTING SURFACE
—	DESIGN LINE
- - -	FUTURE DESIGN LINE

STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE EXISTING SURFACE



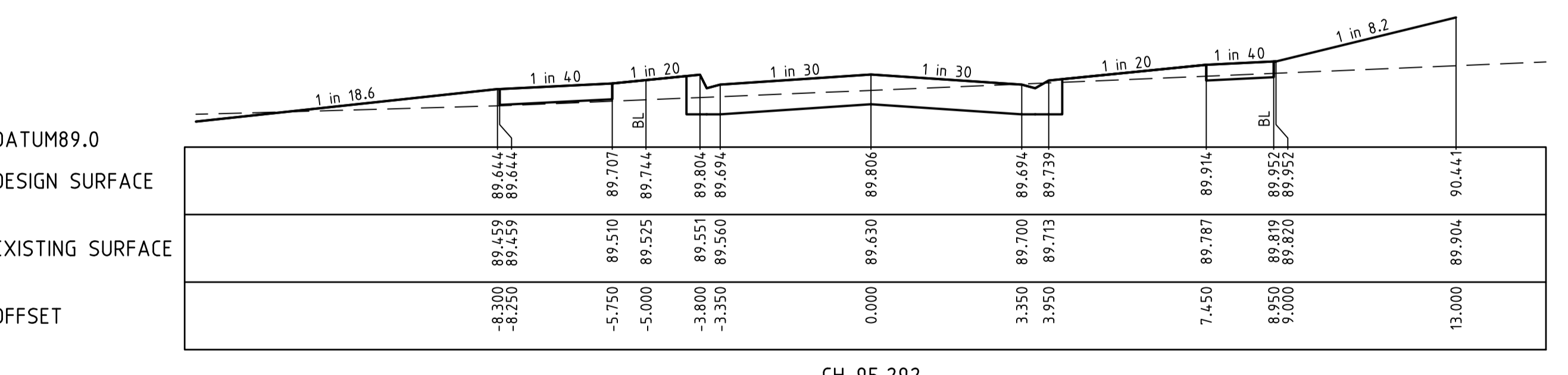
DATUM88.0											
DESIGN SURFACE											
EXISTING SURFACE											
OFFSET											

CH 114.427 (EXTENT OF WORKS)



DATUM88.0											
DESIGN SURFACE											
EXISTING SURFACE											
OFFSET											

CH 107.945



DATUM89.0											
DESIGN SURFACE											
EXISTING SURFACE											
OFFSET											

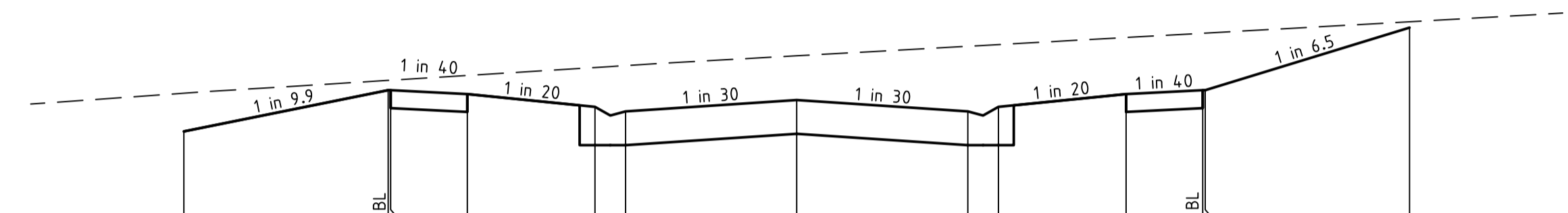
CH 95.292

OPEN DRIVE



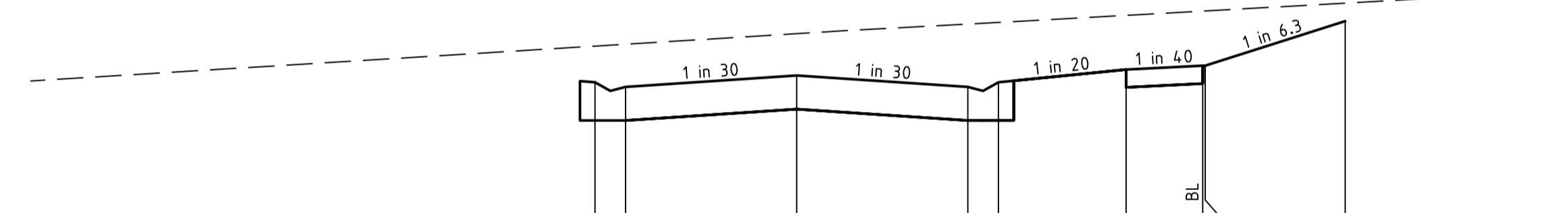
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DESIGN SURFACE											
EXISTING SURFACE											
OFFSET											

CH 36.786



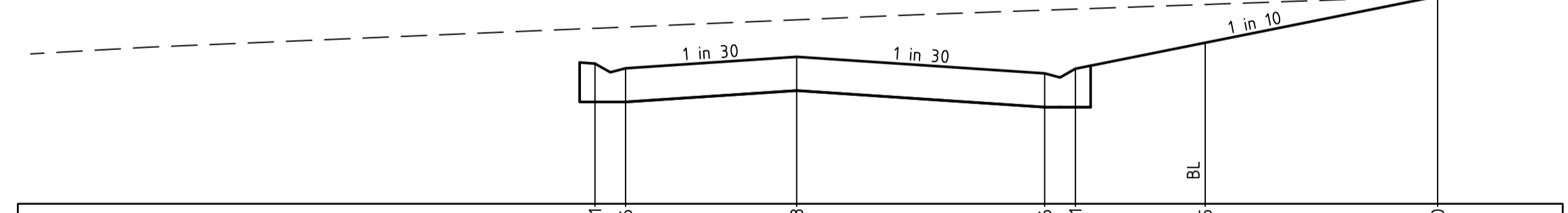
DATUM91.0											
DESIGN SURFACE											
EXISTING SURFACE											
OFFSET											

CH 22.786



DATUM91.0											
DESIGN SURFACE											
EXISTING SURFACE											
OFFSET											

TP CH 6.510 (WITHIN CORNER)



DATUM91.0											
DESIGN SURFACE											
EXISTING SURFACE											
OFFSET											

CH 0.000 (WITHIN CORNER)

CART DRIVE

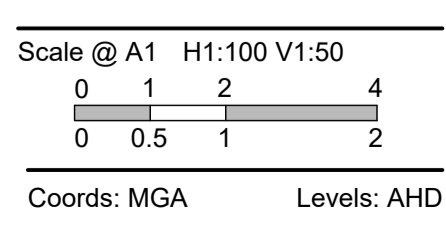
I:\work\16028-175 mcglone rd drouin\16028-04\csg\16028-04-06

REVISION	DATE	DES/DFT	APPD
1	AS CONSTRUCTED ISSUE	31.05.22	AC / AC KT
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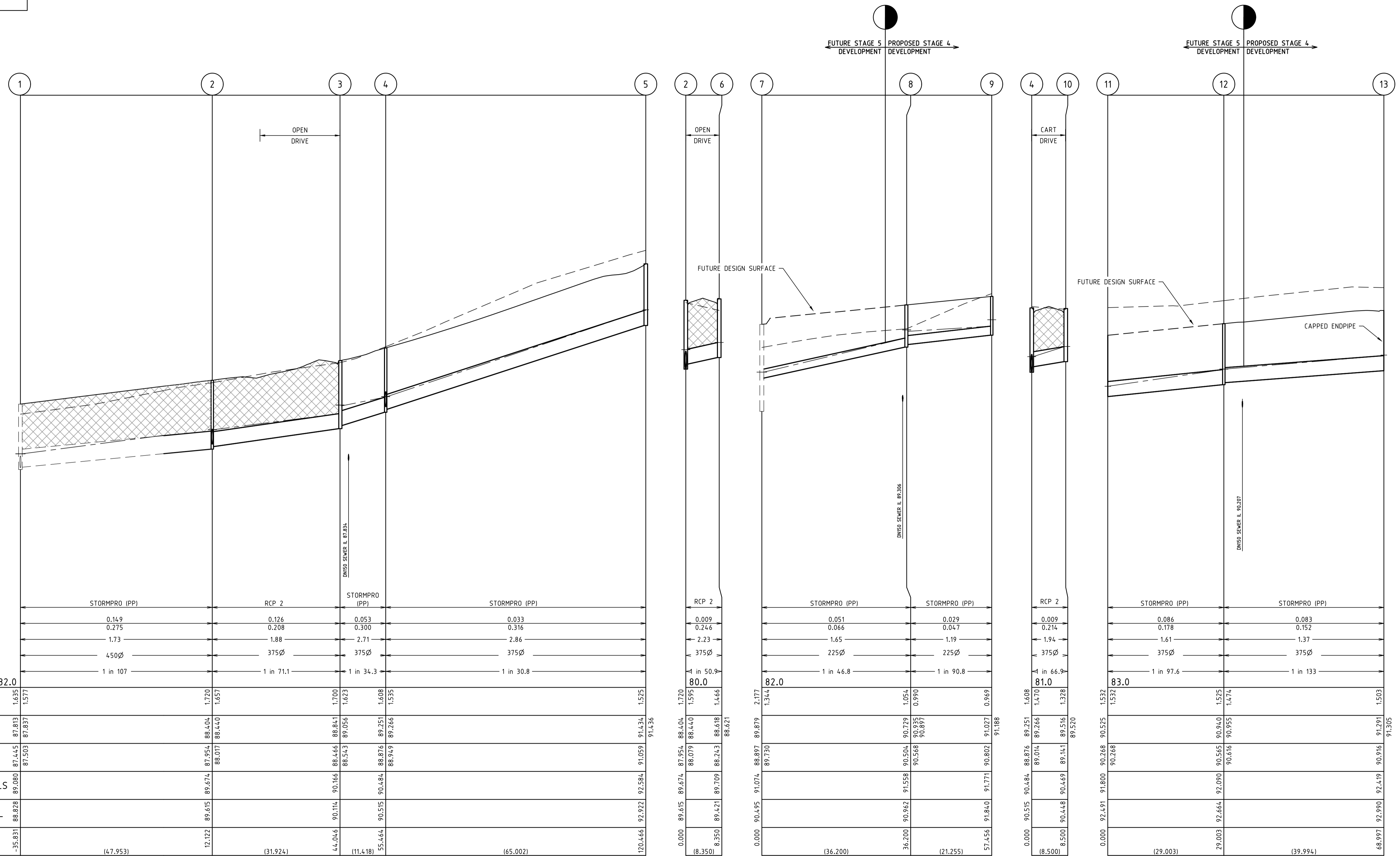


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175 MCGLONE ROAD, DROUIN
DETAILED DESIGN - STAGE 4
BAW BAW SHIRE COUNCIL - PLA0382/16
ROADWORKS AND DRAINAGE
CROSS SECTIONS - OPEN DRIVE & CART DRIVE
Drawing No. 16028-04-06
Sheet No. 06 of 12
Rev 1
AS CONSTRUCTED

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	CLASS 2 CRB
	CLASS 3 CRB



	1	2	3	4	5	6	7	8	9	10	11	12	13
DESIGN FLOW (m ³ /s)		0.149	0.126	0.053	0.033	0.009	0.051	0.029	0.009	0.086	0.083		
CAPACITY (m ³ /s)		0.275	0.208	0.300	0.316	0.246	0.066	0.047	0.214	0.178	0.152		
AT GRADE VELOCITY (m/s)		1.73	1.88	2.71	2.86	2.23	1.65	1.19	1.94	1.61	1.37		
PIPE SIZE (mm)		450Ø	375Ø	375Ø	375Ø	375Ø	225Ø	225Ø	375Ø	375Ø	375Ø		
GRADE		1 in 107	1 in 71.1	1 in 34.3	1 in 30.8	1 in 50.9	1 in 46.8	1 in 90.8	1 in 66.9	1 in 97.6	1 in 133		
DATUM	82.0					80.0	82.0		81.0	83.0			
DEPTH TO INVERT	1.635	1.720	1.700	1.608	1.525	1.720	1.344	1.054	1.608	1.532	1.532	1.503	1.503
HYDRAULIC GRADE LINE	87.813	88.404	88.841	89.251	91.434	88.440	88.897	90.729	89.251	90.268	90.565	90.940	91.291
INVERT LEVEL	87.503	88.071	88.513	88.976	91.059	88.079	89.730	90.504	89.014	90.268	90.416	90.955	91.305
FINISHED SURFACE LEVELS													
EXISTING SURFACE LEVEL	88.828	89.615	90.114	90.515	92.922	89.618	90.495	91.558	90.469	92.491	92.664	92.990	92.990
CHAINAGE (Reach Length)	-35.831	12.122	44.046	55.464	120.466	8.350	0.000	36.200	57.456	8.500	0.000	29.003	68.997
		(47.953)		(11.418)		(8.350)		(36.200)		(8.500)		(29.003)	

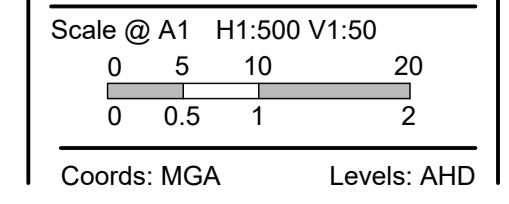
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REVISION	DATE	DES/DT	APPD
1	AS CONSTRUCTED ISSUE	31.05.22	AC / AC KT
C	ISSUED FOR CONSTRUCTION	02.08.21	AC / AC KT
B	ISSUED FOR CONSTRUCTION	10.06.21	AC / AC KT
A	INITIAL ISSUE	20.10.20	AC / AC KT

THE FAIRWAYS

Principal
Seebo Properties Pty Ltd
PO Box 342
Berwick, VIC, 3806

Designed
A.Cantwell
Drawn
A.Cantwell
Checked
M.Warry
Authorised
K.Taylor
Date
October 2020



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Engineering Design | Development Coordination | Construction Management

175 MCGLONE ROAD, DROUIN
DETAILED DESIGN - STAGE 4
BAW BAW SHIRE COUNCIL - PLA0382/16
ROADWORKS AND DRAINAGE
DRAINAGE LONGITUDINAL SECTIONS

Drawing No. 16028-04-07
Sheet No. 07 of 12

Rev 1

AS CONSTRUCTED

PIT SCHEDULE											
PIT		INTERNAL		INLET		OUTLET		COVER LEVEL (m)	DEPTH (m)	STANDARD DRAWING	REMARKS
NAME	TYPE	WIDTH (mm)	LENGTH (mm)	DIA (mm)	INVERT RL (m)	DIA (mm)	INVERT RL (m)				
1	ENDPIPE			450	87.841			89.516	1.732		REMOVE EXISITNG TEMPORARY SANDBAG ENDWALL AND CONTINUE MAIN
2	SIDE ENTRY PIT	900	600	375	88.017	450	87.954	89.674	1.720	IDM SD 435	
				375	88.079						
3	JUNCTION PIT	900	600	375	88.543	375	88.466	90.166	1.700	IDM SD 420	
4	SIDE ENTRY PIT	900	600	375	88.949	375	88.876	90.484	1.608	IDM SD 435	
				375	89.014						
5	JUNCTION PIT					375	91.059	92.584	1.525	IDM SD 420	
6	SIDE ENTRY PIT	900	600			375	88.243	89.709	1.466	IDM SD 430	
7	JUNCTION PIT			225	89.730			91.074	2.177	IDM SD 426	EXISTING JUNCTION PIT
8	JUNCTION PIT	900	600	225	90.568	225	90.504	91.558	1.054	IDM SD 426	
9	JUNCTION PIT	900	600			225	90.802	91.771	0.969	IDM SD 426	
10	SIDE ENTRY PIT	900	600			375	89.141	90.469	1.328	IDM SD 435	
11	ENDWALL			375	90.268			91.800	1.532		TEMPORARY SANDBAG ENDWALL
12	JUNCTION PIT	900	600	375	90.616	375	90.565	92.090	1.525	IDM SD 420	PROVIDE BLOCKOUT IN WEST WALL FOR FUTURE DN375 DRAIN @ IL90.648
13	ENDPIPE					375	90.916	92.419	1.503		CAP 375mm Dia. PIPE

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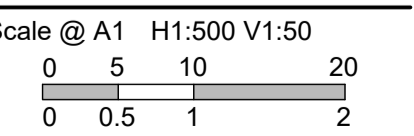
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Scale @ A1 H1:500 V1:50


Coords: MGA Levels: AHD



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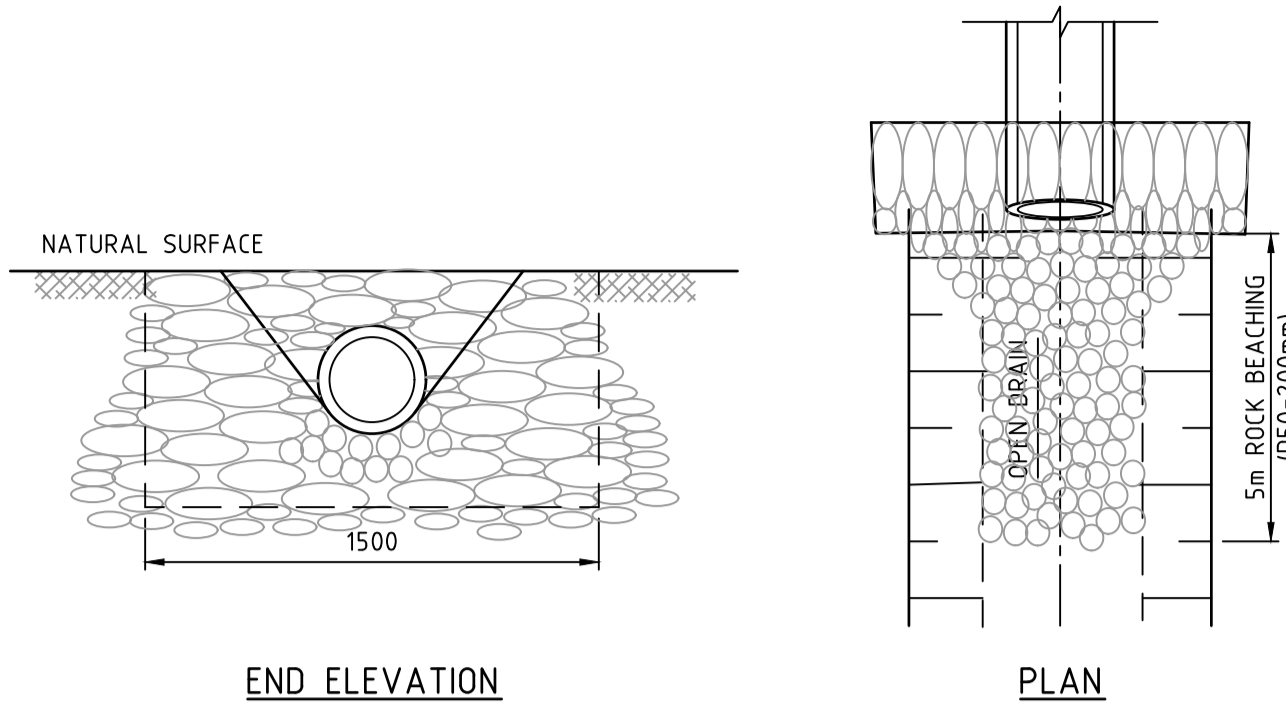
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175 MCGLONE ROAD, DROUIN
 DETAILED DESIGN - STAGE 4
 BAW BAW SHIRE COUNCIL - PLA0382/16
 ROADWORKS AND DRAINAGE
 PIT SCHEDULE

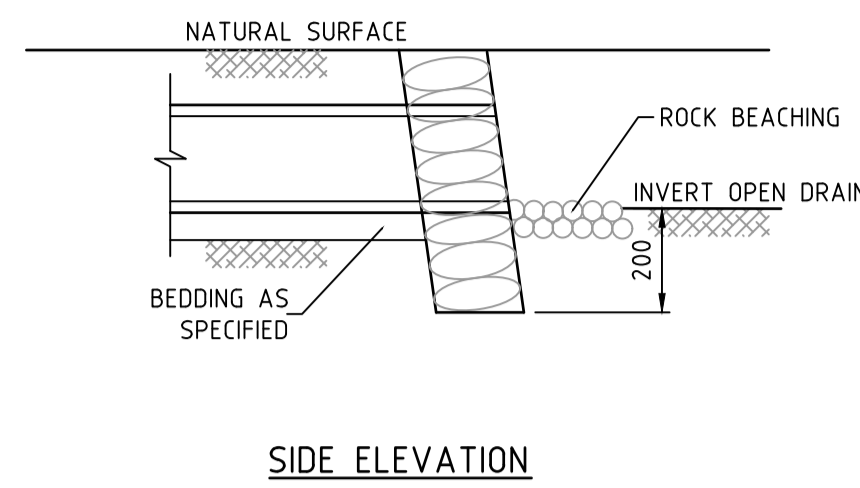
Drawing No. 16028-04-08
 Sheet No. 08 of 12

Rev 1

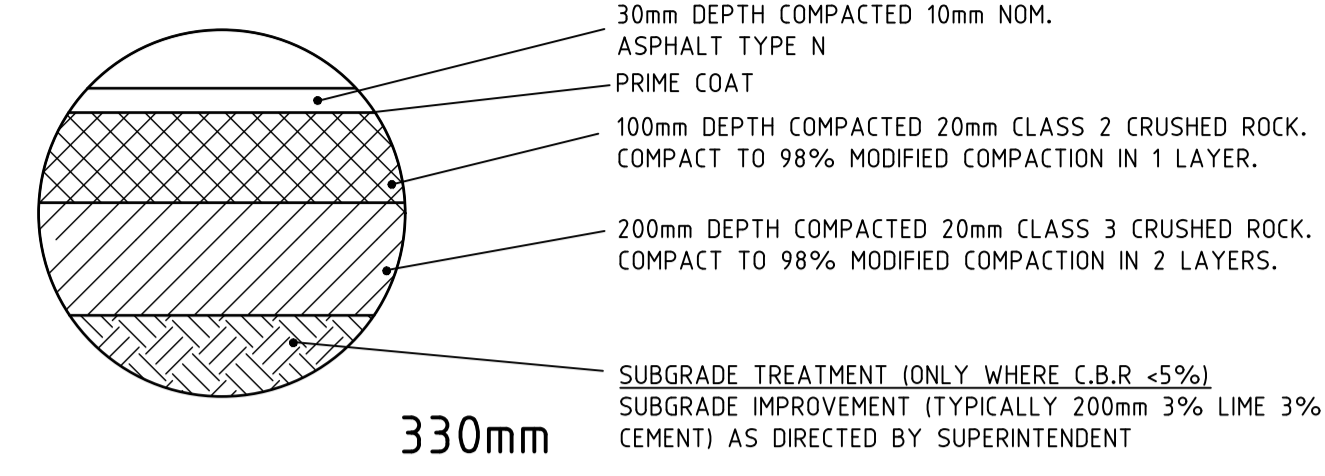
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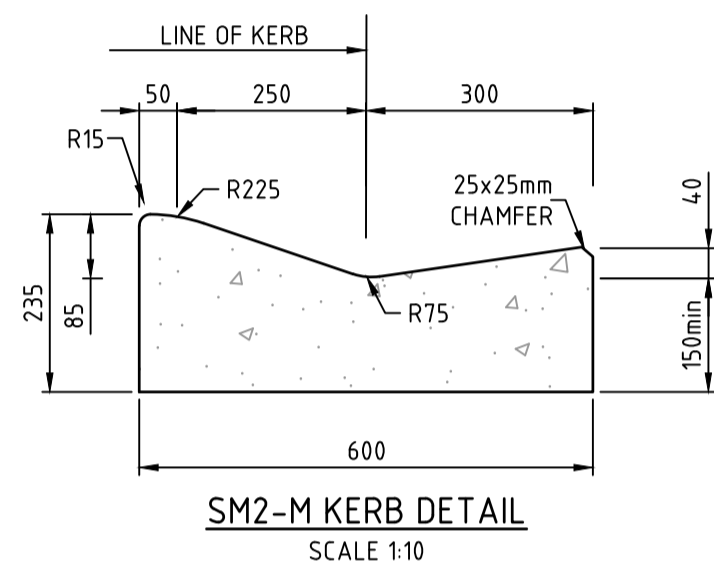
SANDBAG ENDWALL DETAIL
NOT TO SCALE



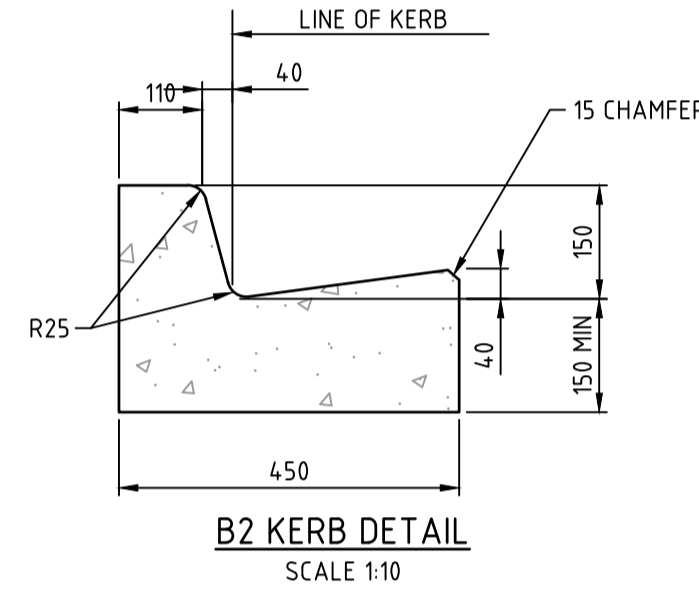
SIDE ELEVATION



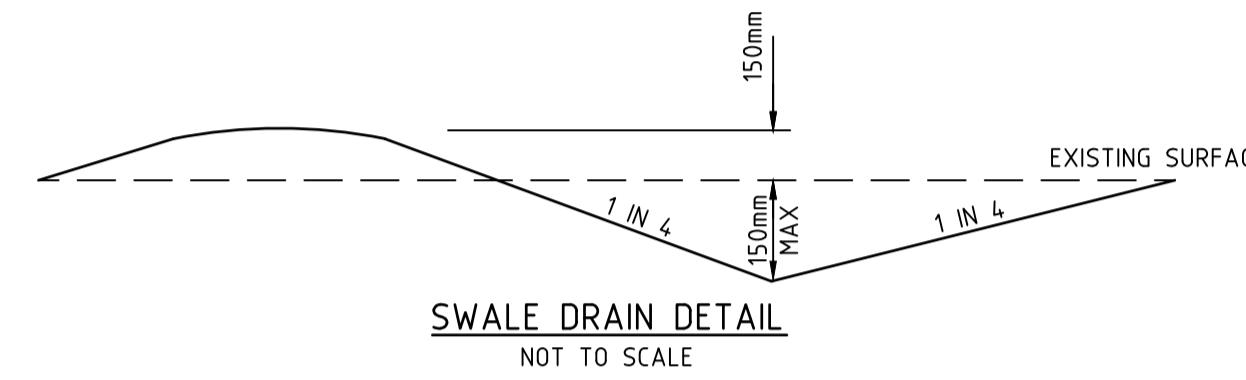
PAVEMENT DETAIL
ALL ROADS



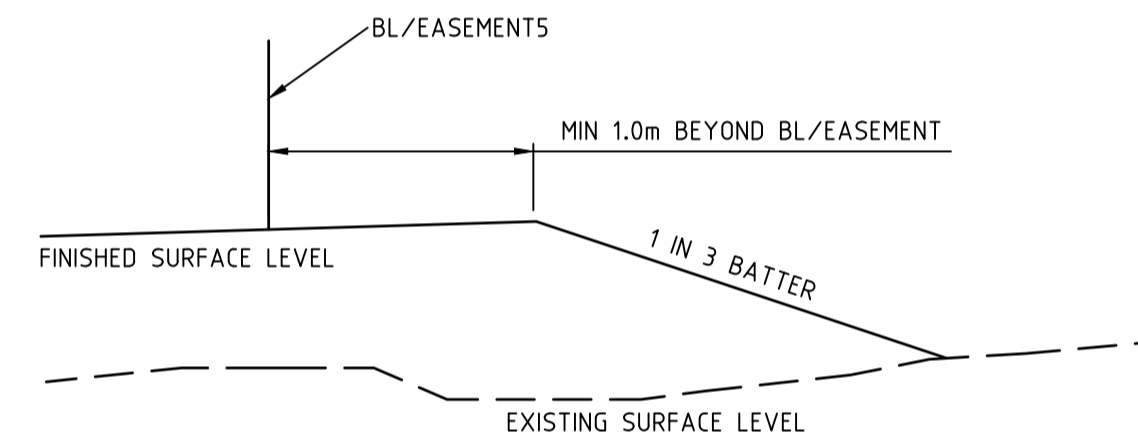
SM2-M KERB DETAIL
SCALE 1:10



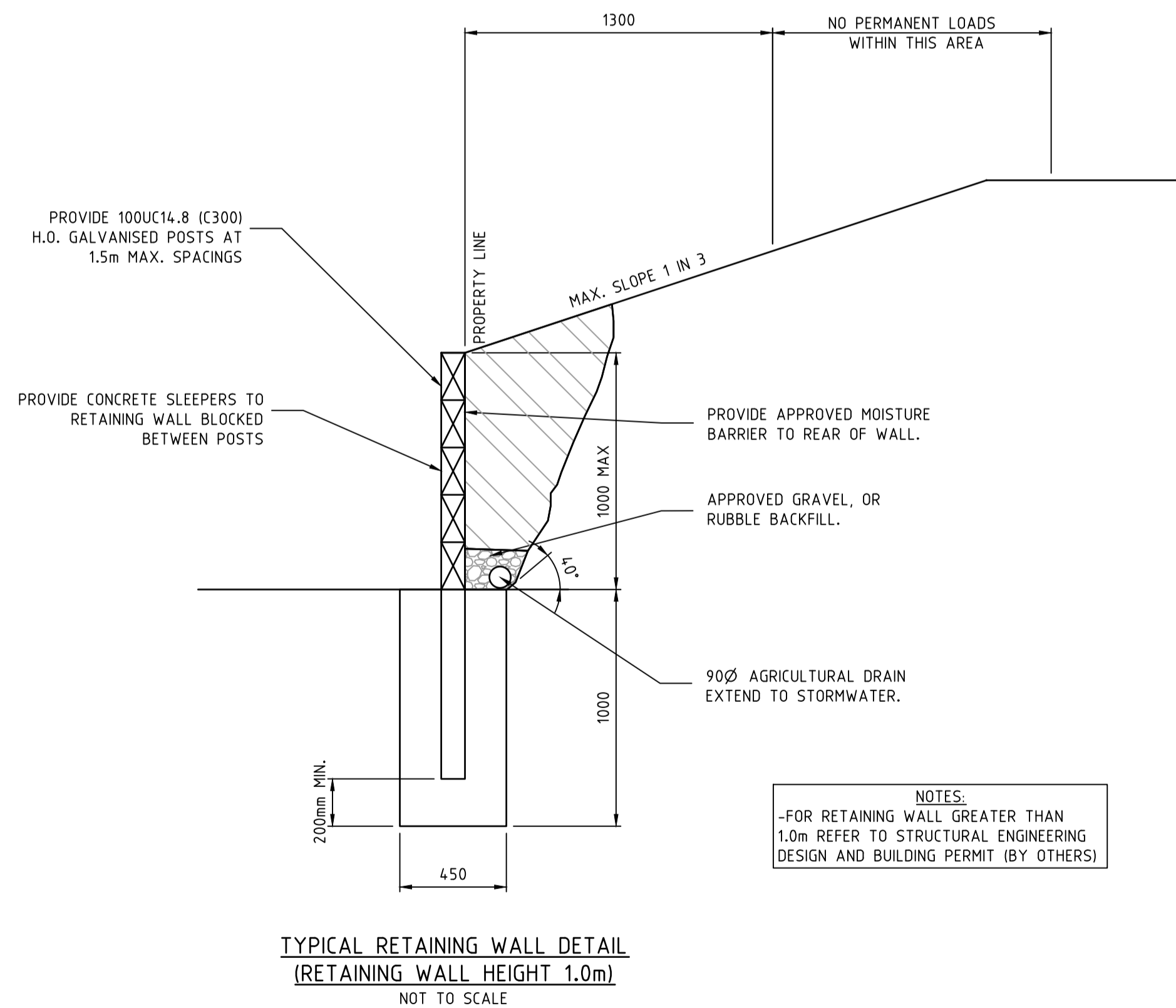
B2 KERB DETAIL
SCALE 1:10



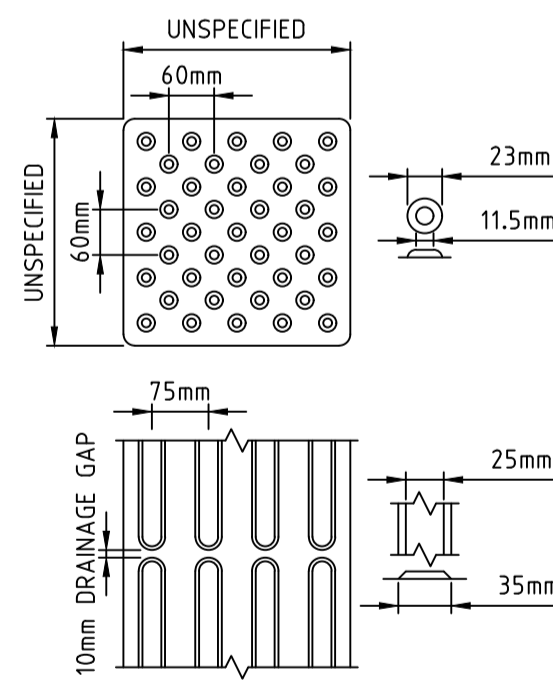
SWALE DRAIN DETAIL
NOT TO SCALE



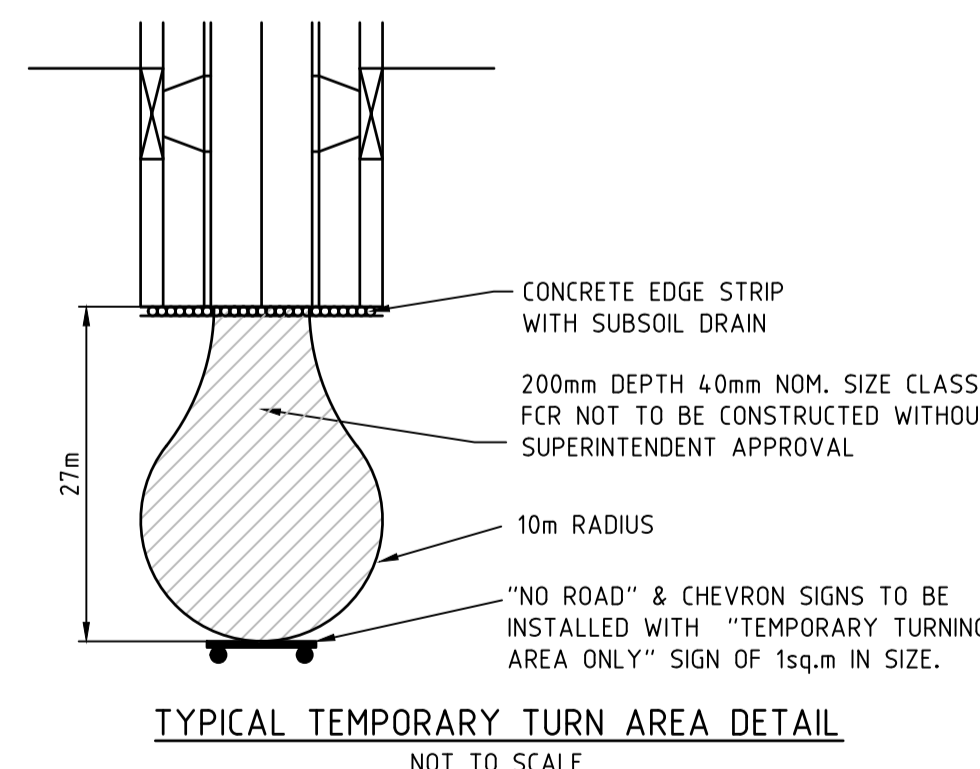
TYPICAL FILL BATTER DETAIL
NOT TO SCALE



TYPICAL RETAINING WALL DETAIL
(RETAINING WALL HEIGHT 1.0m)
NOT TO SCALE



TACTILE PAVING DETAILS
NOT TO SCALE



TYPICAL TEMPORARY TURN AREA DETAIL
NOT TO SCALE

GENERAL NOTES

- THE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT COUNCIL STANDARD DRAWINGS AND SPECIFICATIONS. WORKS TO BE CARRIED OUT TO THE SATISFACTION OF COUNCIL'S SUPERVISING OFFICER.
- THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF WORK ON SITE IN ACCORDANCE WITH APPROPRIATE LEGISLATION. THEY SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE AND STABLE CONDITION, AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS.
- THE CONTRACTOR SHALL:
 - COMPLY WITH THE SAFETY REQUIREMENTS OF THE MINES ACT, GENERAL REGULATIONS AND STATUTORY RULES, AND THE MINES (TRENCHES) REGULATIONS 1982.
 - NOTIFY THE OCCUPATIONAL HEALTH AND SAFETY AUTHORITY OF HIS INTENTION TO COMMENCE TRENCHING OPERATIONS WHERE TRENCHES ARE 1.5 METRES OR DEEPER.
 - ENSURE THAT THE MINE MANAGER OR HIS DEPUTY AS REQUIRED BY THE REGULATIONS IS IN ATTENDANCE WHEN TRENCHING OPERATIONS ARE IN PROGRESS.
- THE CONTRACTOR IS TO NOTIFY COUNCIL AND ALL SERVICE AUTHORITIES SEVEN (7) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL RELEVANT SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- TREES MARKED ON THE APPROVED PLANS FOR REMOVAL MUST BE REMOVED FROM THE SITE PRIOR TO THE COMMENCEMENT OF WORKS. NO EXCAVATION SHALL BE CARRIED OUT WITHIN 5.0m OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY COUNCIL'S SUPERVISING OFFICER. THE REMOVAL OR RETENTION OF EXISTING TREES MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLANS. OTHERWISE, APPROVAL WILL BE REQUIRED FROM THE LANDSCAPE APPROVAL OFFICER.
- ALL ROAD CHAINAGES ARE MEASURED ALONG THE ROAD CENTRELINE EXCEPT KERB RETURNS AND COURTHEADS, WHERE LIP OF KERB CHAINAGES ARE SPECIFIED. ALL DIMENSIONS AND RADII ARE GIVEN TO THE LIP OF KERB. DO NOT SCALE OFF THESE DRAWINGS. WRITTEN DIMENSIONS ONLY SHALL BE USED.
- CONDUIT LOCATIONS ARE SUBJECT TO AMENDMENT AND CONDUITS SHALL NOT BE LAID UNTIL WRITTEN APPROVAL IS GIVEN BY THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER. CONDUITS TO BE PLACED A MINIMUM OF 1.4m FROM BOUNDARIES/EASEMENTS AND TO THE SATISFACTION OF THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS G,W,E AND T ABOVE CONDUIT LOCATIONS AS SPECIFIED. TELSTRA CONDUITS WILL BE SUPPLIED BY TELSTRA AT TELSTRA'S EXPENSE, IN TRENCHES EXCAVATED AND BACKFILLED BY THE CONTRACTOR. TELSTRA SIZE VARIES - WHITE P.V.C., TELSTRA TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS. GAS AND WATER CONDUITS TO BE 50mm DIA. HEAVY DUTY P.V.C. LAID AT A MINIMUM DEPTH OF 600mm BELOW ROAD FINISHED SURFACE LEVELS.
- SUBSOIL DRAINS SHALL BE INSTALLED BEHIND ALL KERB AND CHANNEL AS PER COUNCIL SPECIFICATION AND STANDARD DRAWINGS.
- ALL LINEMARKING, SIGNING & TRAFFIC CONTROL DEVICES FOR THIS PROJECT TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742. ALL LINEMARKING TO BE LONG LIFE THERMOPLASTIC PAINT.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM.
- THE CONTRACTOR SHALL CO-OPERATE WITH OTHER AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE. THE CONTRACTOR SHALL CHECK WITH THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER THE EXACT LOCATION OF ALL SERVICES PRIOR TO THE INSTALLATION OF CONDUITS.
- ANY EXISTING PAVEMENT OR DRAINAGE WORKS DAMAGED DURING CONSTRUCTION OR THE MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE COUNCIL REPRESENTATIVE.
- FILLING IN PROPERTIES AND ROAD RESERVE IS TO BE CARRIED OUT USING APPROVED CLAY FILL. TOPSOIL AND ALL VEGETABLE MATTER TO BE STRIPPED FROM FILL SITE PRIOR TO FILLING. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAX. DRY DENSITY UNDER THE STANDARD AASHO TEST. ALL FILLING TO COMPLY WITH AS 3798/1996, APPENDIX B, LEVEL 1. IF ANY EXISTING SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE, IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL COMPACTED TO COUNCIL REQUIREMENTS. A GEOTECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED.
- THE NATURE STRIPS AND CUT OR FILLED AREAS ARE TO BE TOPSOILED WITH 100mm OF APPROVED MATERIAL. IF THE LOCAL SOIL IS NOT SUITABLE, APPROVED SOIL SHALL BE IMPORTED AT THE CONTRACTOR'S EXPENSE.
- UNLESS OTHERWISE SHOWN, BATTERS INTO ALLOTMENTS SHALL NOT BE STEEPER THAN 1 IN 3 CUT AND 1 IN 6 FILL. CUT BATTERS ARE TO BE GRASSED AND MULCHED WITH A MIXTURE OF CHOPPED GRASS, STRAW AND BITUMEN EMULSION.
- LOTS SHALL BE GRADED TO ENSURE A MINIMUM GRADE OF 1 IN 150 ON THE LOWEST SIDE BOUNDARY TO THE POINT OF DRAINAGE.
- ALL 150Ø PIPE TO BE PVC (S110), 225Ø TO 900Ø INCLUSIVE TO BE RRJ R.C. ALL R.C PIPES TO BE CLASS 2 UNLESS NOTED OTHERWISE.
- STORMWATER DRAINS UNDER PAVEMENTS ARE TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK.
- STORMWATER DRAINS UNDER FOOTPATHS, DRIVEWAYS AND BEHIND KERB WHERE SIDE OF TRENCH COMES WITHIN 150mm OF THE BACK OF KERB TO BE BACKFILLED WITH CLASS 3 CRUSHED ROCK, UNLESS SHOWN OTHERWISE.
- ALL HOUSE DRAINS ARE TO BE CONNECTED DIRECT TO AN UNDERGROUND DRAIN OR PIT. CONNECT HOUSE DRAIN AS PER INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWING SD 515 & SD 520. OFFSET 1m FROM LOW SIDE BOUNDARY UNLESS OTHERWISE INDICATED.
- PROPERTY INLET PITS ARE TO BE LOCATED 1.00m FROM LOW SIDE BOUNDARY UNLESS OTHERWISE SHOWN. INVERT LEVEL OF PROPERTY INLET IS TO BE A MINIMUM OF 400mm BELOW FINISHED/EXISTING SURFACE LEVEL. A PROPERTY INLET GULLY BASIN IS NOT REQUIRED AT PROPERTY INLET POINTS.
- DRIVEWAYS ARE PROVISIONAL ITEMS AND SHOWN ON PLAN ONLY TO INDICATE PREFERRED LOCATIONS. DRIVEWAYS TO BE CONSTRUCTED IN ACCORDANCE WITH THE INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS SD 240 & SD 245. DRIVEWAYS TO BE LOCATED 0.60m FROM BUILDING LINE AND CLEAR OF DRAINAGE PITS, SEWER MAINTENANCE HOLES AND EXISTING TREES. DOUBLE DRIVEWAY WIDTH TO BE 7.2m AT FRONT OF PATH/BUILDING LINE.
- ALL FOOTPATHS, SHARED PATHS AND OR BICYCLE PATHS ARE TO BE 125mm THICK 25Mpa SL72 MESH REINFORCEMENT PLACED CENTRALLY WITH 50mm BEDDING AS PER INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS SD 205 & SD 210.
- ALL STREET SIGNS ARE TO BE TO CURRENT BAW BAW SHIRE COUNCIL - PLA0382/16 STANDARD, INCLUDING PROVISION OF LOGO.
- SIGNS, PAVEMENT MARKINGS AND DELINEATORS ARE TO BE INSTALLED AS APPLICABLE IN ACCORDANCE WITH AS1742.2. ALL PAVEMENT MARKINGS TO BE LONG LIFE ROAD MARKING WITH LONGITUDINAL LINES IN THERMOPLASTIC AND TRANSVERSE MARKINGS IN COLD APPLIED.
- NO SURPLUS TREES, VEGETATION OR OTHER MATERIALS IS TO BE BURNT ON SITE.
- ANY SOFT ROCK USED IS TO CONFORM TO THE BAW BAW SHIRE COUNCIL - PLA0382/16 SPECIFICATION FOR RIPPED ROCK.
- APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING THE CONSTRUCTION AND MAINTENANCE PERIODS.
- CONCRETE TO BE PLACED AROUND ELECTRICAL DISTRIBUTION PITS TO A MINIMUM DEPTH OF 200mm. DISTRIBUTION PITS TO BE A MINIMUM OF 300mm FROM EDGE OF FOOTPATHS.
- UPON COMPLETION OF CONSTRUCTION, THE WHOLE SITE SHALL BE CLEANED UP AND GRADED OVER. ALL RUBBISH IS TO BE REMOVED AND THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT AND/OR COUNCIL'S SUPERVISING OFFICER.
- ALL KERB AND CHANNEL THROUGHOUT THE ESTATE IS TO BE AS PER THE DESIGN PLANS. INTERSECTION KERB AND CHANNEL IS TO BE SEMI-MOUNTABLE (SM2). INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWING SD 100.
- TACTILE PAVERS ARE PROVISIONAL ITEMS AND POSSIBLE LOCATIONS SHOWN. CONTRACTOR TO WHEREVER POSSIBLE MEET PRAM CROSSING GRADES WHICH NEGATES THE NEED FOR TACTILES IF INSTALLED, TACTILED PAVERS AND GRADES ARE BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS128.4.
- EXISTING OPEN DRAIN TO BE EXCAVATED TO REMOVE ALL SOFT MATERIAL TO A WIDTH OF A MINIMUM 1m WIDER THAN THE DRAIN AND A MINIMUM DEPTH OF 300mm. THE EXCAVATED AREA SHALL BE INSPECTED AT THIS POINT TO DETERMINE WHETHER FURTHER EXCAVATION IS NECESSARY.

ORIGIN ENERGY - STANDARD NOTES

- GAS MAINS, FITTINGS AND MARKER TAPE ARE TO BE SUPPLIED BY ORIGIN ENERGY.
- EXCAVATION, SUPPLY AND PLACEMENT OF REQUIRED BACKFILL TO BE BY OTHERS.
- TWO WEEKS OF NOTIFICATION OF COMMENCEMENT OF EXCAVATION WORKS SHALL BE GIVEN TO THE RELEVANT AUTHORITY.

REINFORCED CONCRETE PIPE

- ALL STORMWATER DRAINAGE PIPES SHALL NOT BE SUBJECTED TO CONSTRUCTION TRAFFIC LOADING DURING CONSTRUCTION UNLESS THE PIPE STRENGTH CHARACTERISTICS HAVE BEEN COMPUTED AND APPROVED BY THE CONTRACTORS ENGINEER.
- COMPUTATIONS ARE TO ACCORD WITH AS.3725-1989. LOADS ON BURIED PIPES. CONCRETE PIPES DAMAGED DUE TO CONSTRUCTION LOADS SHALL BE REPAIRED AT THE CONTRACTORS COST.

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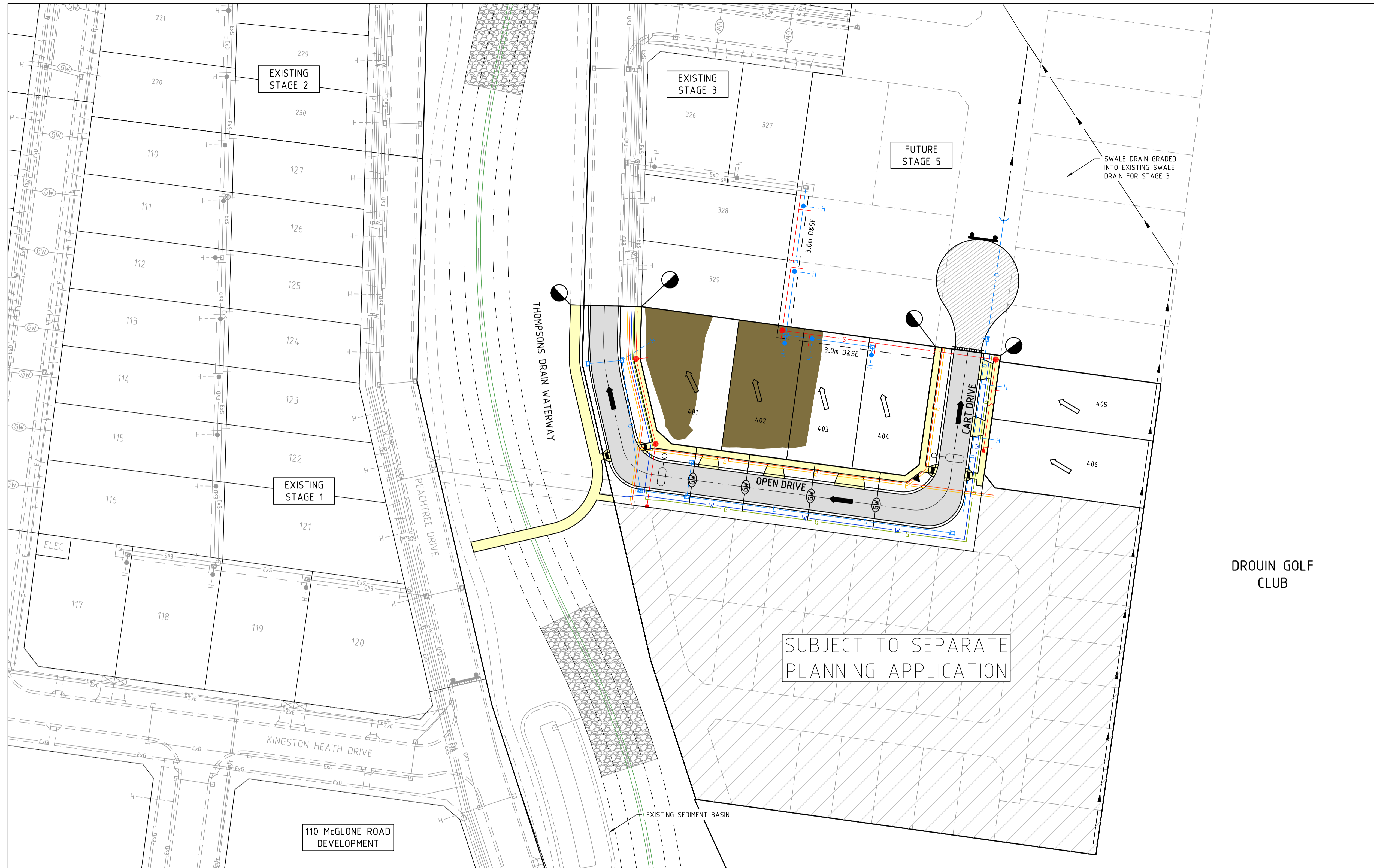
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175 MCGLONE ROAD, DROUIN
DETAILED DESIGN - STAGE 4
BAW BAW SHIRE COUNCIL - PLA0382/16
ROADWORKS AND DRAINAGE
GENERAL NOTES & DETAILS

Drawing No. 16028-04-09
Sheet No. 09 of 12

Rev 1

AS CONSTRUCTED



LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RISING MAIN
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE RETAINED/REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- PROPOSED STREET LIGHT

DROUIN GOLF CLUB

SUBJECT TO SEPARATE PLANNING APPLICATION

ROAD NAME	ROAD CLASSIFICATION	RESERVE WIDTH (m)	ROAD WIDTH (m)				KERB TYPE		VERGE WIDTH (m)	
			LIP to LIP	INV to INV	BACK to BACK	NTH/WEST	STH/EAST	NTH/WEST	STH/EAST	
OPEN DRIVE (LOT 401)	ACCESS ROAD	14.00	6.70	7.30	7.75	B2	SM2-M	1.20	5.05	
OPEN DRIVE (LOT 401-404)	ACCESS ROAD	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.05	4.05	
CART DRIVE (LOT 405-406)	ACCESS ROAD	16.00	6.70	7.30	7.90	SM2-M	SM2-M	4.05	4.05	

ROAD NAME	GAS		WATER		ELECTRICITY		TELSTRA	
	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)	SIDE	OFFSET (m)
OPEN DRIVE (LOT 401)	EAST	1.80	EAST	2.30	EAST	3.30	EAST	2.80
OPEN DRIVE (LOT 401-404)	SOUTH	2.10	SOUTH	2.60	NORTH	2.30	NORTH	1.80
CART DRIVE (LOT 405-406)	EAST	2.10	EAST	2.60	WEST	2.30	WEST	1.80

WARNING
BWARE OF UNDERGROUND SERVICES
 The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works
DIAL 1100 BEFORE YOU DIG
 www.1100.com.au

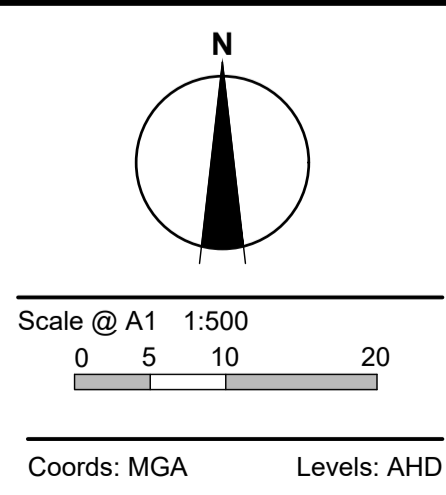
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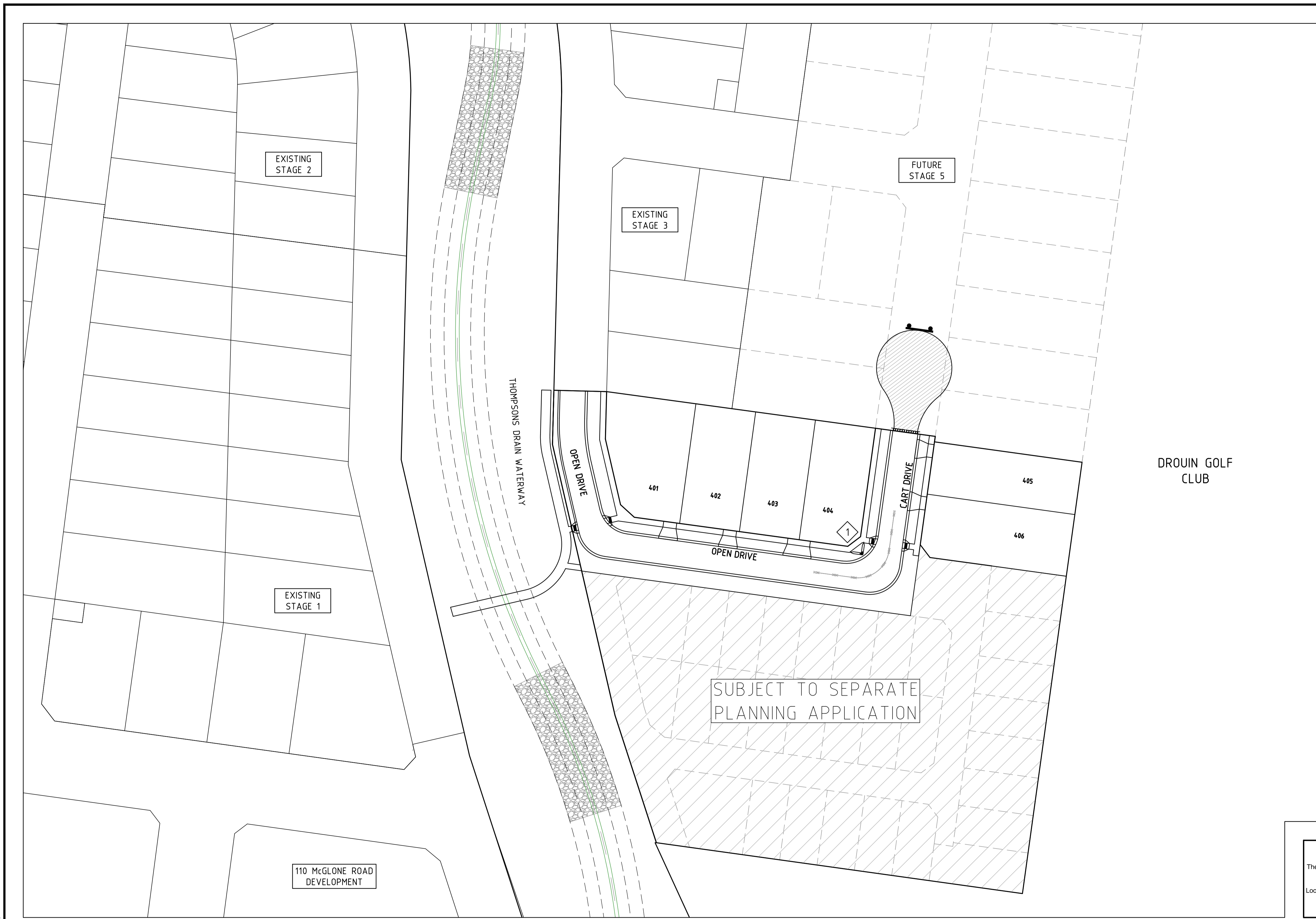
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175 MCGLONE ROAD, DROUIN
 DETAILED DESIGN - STAGE 4
 BAW BAW SHIRE COUNCIL - PLA0382/16
 ROADWORKS AND DRAINAGE
 MASTER SERVICES PLAN

Drawing No. 16028-04-10
 Sheet No. 10 of 12

Rev 1

AS CONSTRUCTED



SIGN SCHEDULE	
SIGN	REF
 STREET SIGN	 1

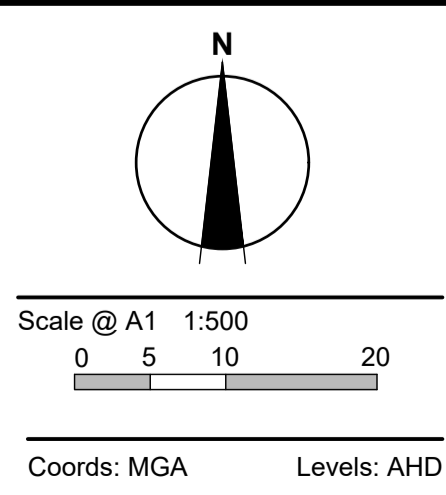
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DIAL 1100 BEFORE YOU DIG
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REVISION	DATE	DES/DF	APPD
1	31.05.22	AC/AC	KT
C	02.08.21	AC/AC	KT
B	10.06.21	AC/AC	KT
A	20.10.20	AC/AC	KT

THE FAIRWAYS

Principal
 Seebo Properties Pty Ltd
 PO Box 342
 Berwick, VIC, 3806

Designed
 A.Cantwell
 Drawn
 A.Cantwell
 Checked
 M.Warry
 Authorised
 K.Taylor
 Date
 October 2020



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 (03) 5622 0606
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Engineering Design | Development Coordination | Construction Management

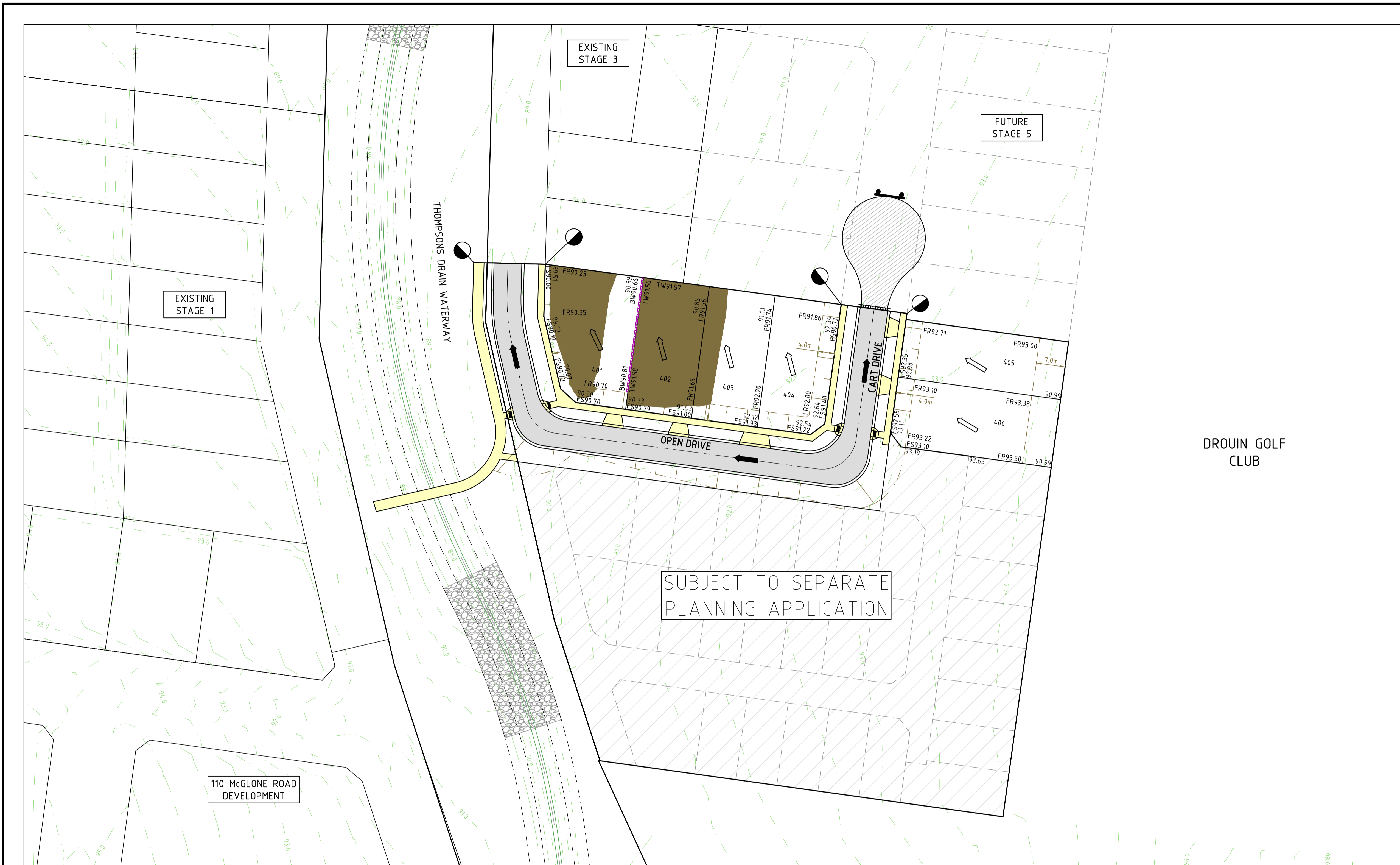
175 McGLONE ROAD, DROUIN
 DETAILED DESIGN - STAGE 4
 BAW BAW SHIRE COUNCIL - PLA0382/16
 ROADWORKS AND DRAINAGE
 SIGNAGE & LINEMARKING PLAN

Drawing No. 16028-04-11
 Sheet No. 11 of 12

Rev 1

AS CONSTRUCTED

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LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING TELSTRA
- EXISTING WATER
- EXISTING RISING MAIN
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN
- "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE RETAINED/REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- PROPOSED STREET LIGHT

DROUIN GOLF CLUB

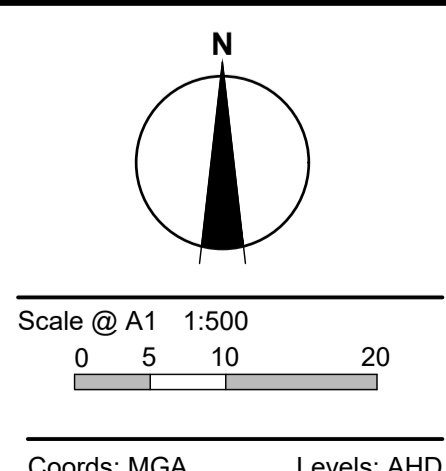
WARNING
BWARE OF UNDERGROUND SERVICES
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 No guarantee is given that all existing services are shown.
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REVISION	DATE	DES/DF	APPD
1	AS CONSTRUCTED ISSUE	31.05.22	AC/AC KT
C	ISSUED FOR CONSTRUCTION	02.08.21	AC/AC KT
B	ISSUED FOR CONSTRUCTION	10.06.21	AC/AC KT
A	INITIAL ISSUE	20.10.20	AC/AC KT

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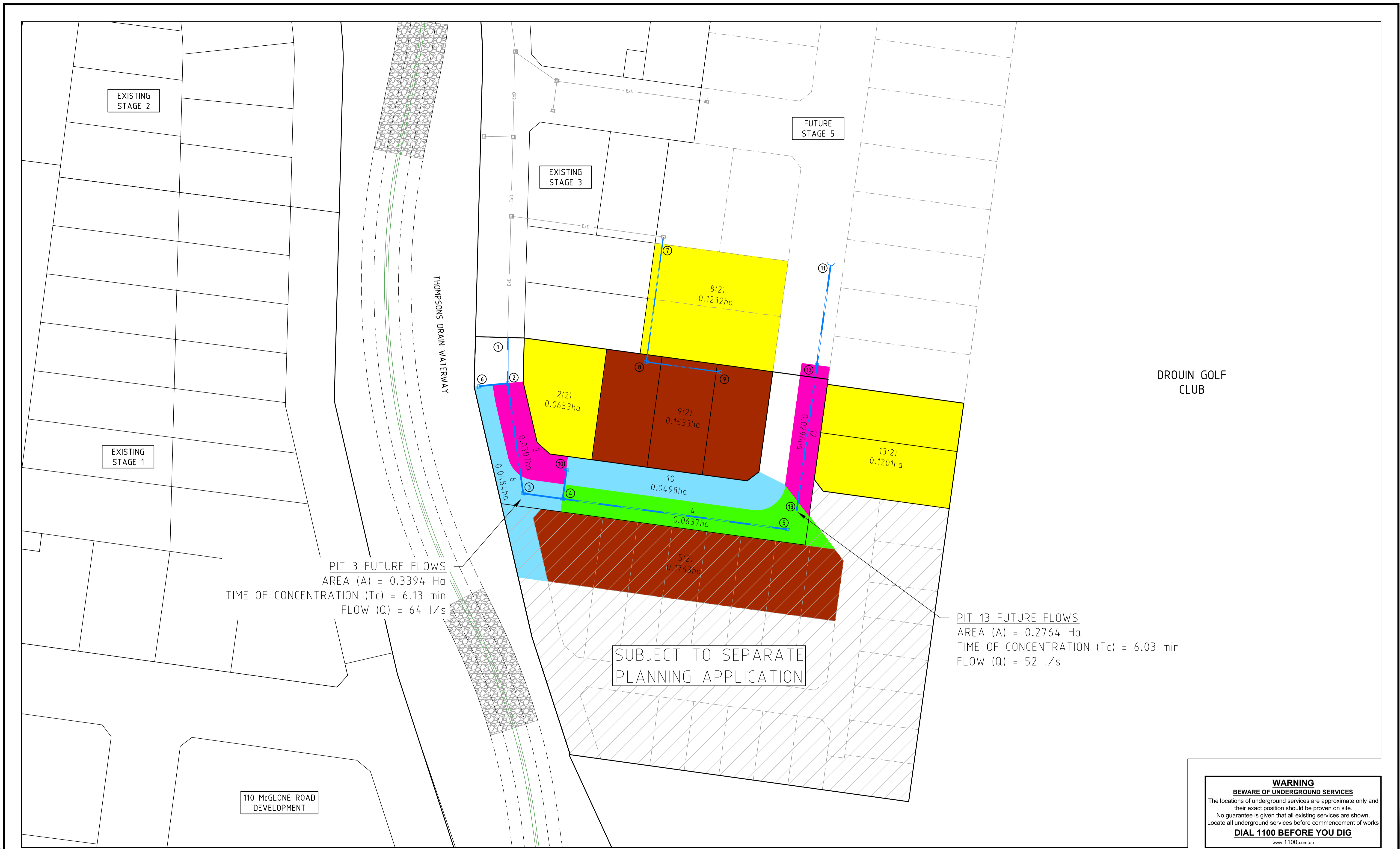
175 MCGLONE ROAD, DROUIN
 DETAILED DESIGN - STAGE 4
 BAW BAW SHIRE COUNCIL - PLA0382/16
 ROADWORKS AND DRAINAGE
 RETAINING WALL & EARTHWORKS PLAN

Drawing No. 16028-04-12
 Sheet No. 12 of 12

Rev 1

AS CONSTRUCTED

I:\work\16028 - 175 mcglone rd drouin\16028-04\dwg\16028-04-12



PIT 3 FUTURE FLOWS
 AREA (A) = 0.3394 Ha
 TIME OF CONCENTRATION (T_c) = 6.13 min
 FLOW (Q) = 64 l/s

PIT 13 FUTURE FLOWS
 AREA (A) = 0.2764 Ha
 TIME OF CONCENTRATION (T_c) = 6.03 min
 FLOW (Q) = 52 l/s

SUBJECT TO SEPARATE
 PLANNING APPLICATION

DROUIN GOLF CLUB

110 MCGLONE ROAD
 DEVELOPMENT

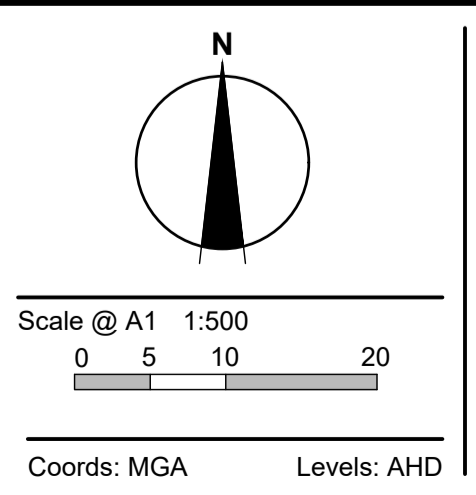
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175 MCGLONE ROAD, DROUIN
 DETAILED DESIGN - STAGE 4
 BAW BAW SHIRE COUNCIL - PLA0382/16
 ROADWORKS AND DRAINAGE
 CATCHMENT PLAN

Drawing No. 16028-04-95
 Sheet No. 01 of 01

Rev 1

AS CONSTRUCTED

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