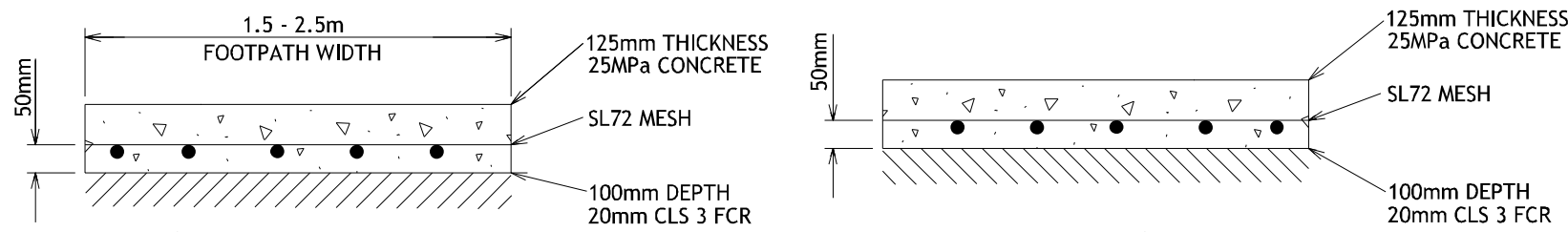




ROAD	TELSTRA	WATER	GAS	POWER	SEWER	STREET TREES
WHALEBONE BOULEVARD	1.8m EAST (TYPICALLY)	1.2m WEST (TYPICALLY)	0.7m WEST (TYPICALLY)	2.45m EAST (TYPICALLY)	-1.5m WEST (TYPICALLY)	2.5m EAST (TYPICALLY) 2.5m WEST (TYPICALLY)
NORFOLK STREET	1.8m NORTH (TYPICALLY)	2.6m SOUTH (TYPICALLY)	2.1m SOUTH (TYPICALLY)	2.45m NORTH (TYPICALLY)	N/A	2.5m NORTH (TYPICALLY) 2.5m SOUTH (TYPICALLY)
TIDAL AVENUE	1.9m EAST (TYPICALLY)	2.4m WEST (TYPICALLY)	1.9m WEST (TYPICALLY)	2.6m EAST (TYPICALLY)	N/A	2.5m EAST/SOUTH (TYPICALLY)
SANDBAR STREET	1.9m NORTH (TYPICALLY)	2.6m SOUTH (TYPICALLY)	2.1m SOUTH (TYPICALLY)	2.6m NORTH (TYPICALLY)	N/A	2.5m WEST/SOUTH (TYPICALLY)

NOTE: LOCATIONS ARE DIRECTIONAL FROM ROAD CENTRELINES. ALL MEASUREMENTS ARE TO BE TAKEN FROM THE BUILDING LINE TO CENTRELINE OF TRENCH

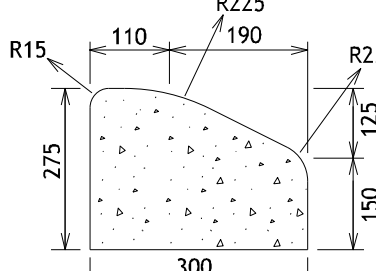


FOOTPATH DETAIL

NOTE: CRUSHED ROCK TO BE PROVIDED OVER
SERVICE UTILITY TRENCHES

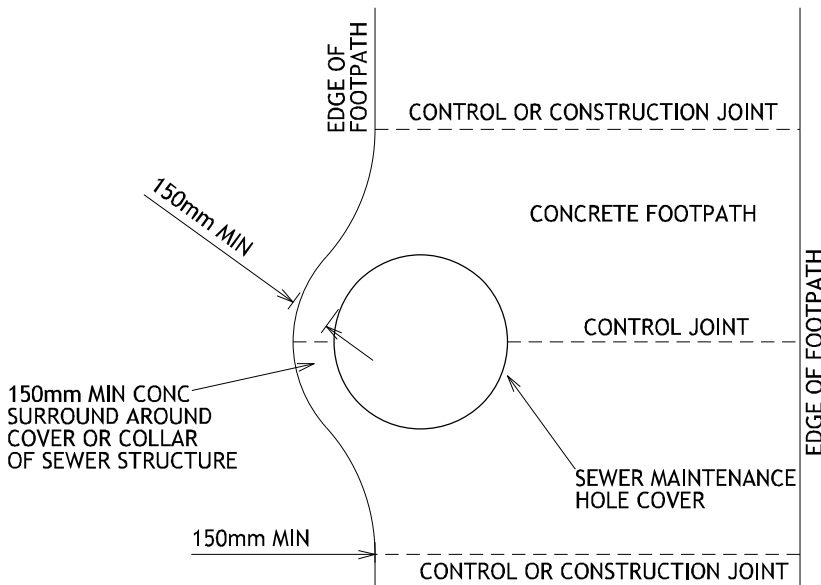
DRIVEWAY DETAIL

NOTE: CRUSHED ROCK TO BE PROVIDED OVER SERVICE UTILITY TRENCHES



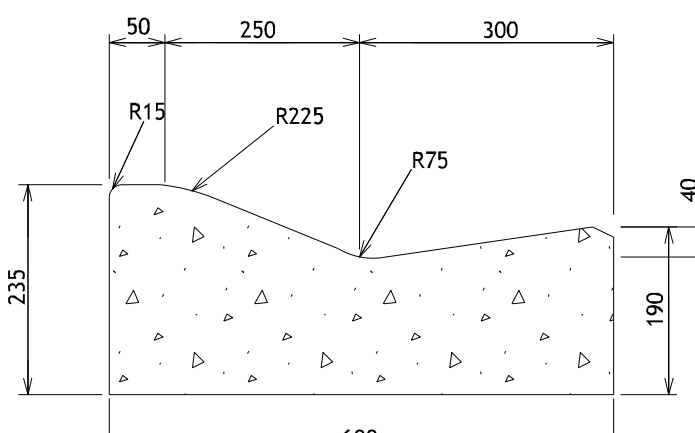
SM1 KERB DETAIL

DIMENSIONS IN MILLIMETERS
 NOT TO SCALE

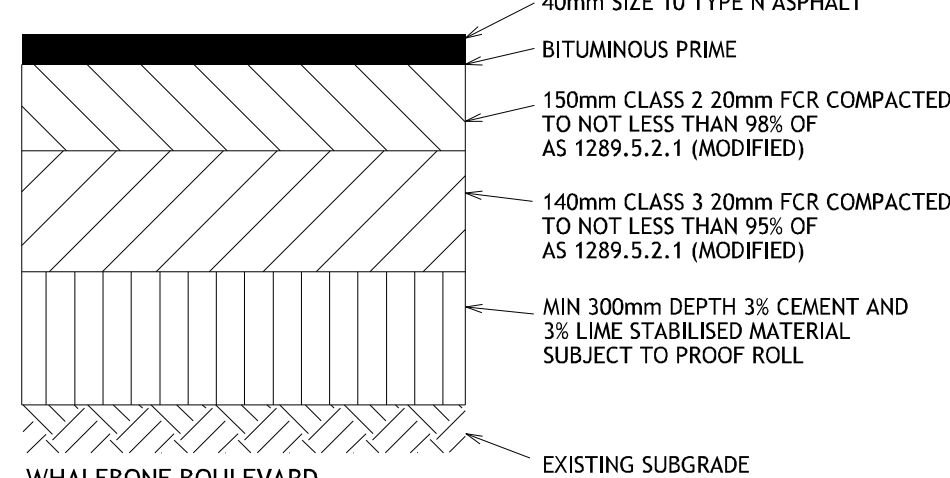


SEWER STRUCTURES WITHIN FOOTPATH

NOT TO SCALE

SM2 MODIFIED
KERB AND CHANNEL

DIMENSIONS IN MILLIMETRES
NOT TO SCALE

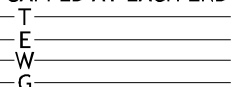


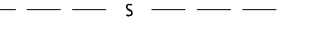
PAVEMENT COMPOSITION

NOT TO SCALE

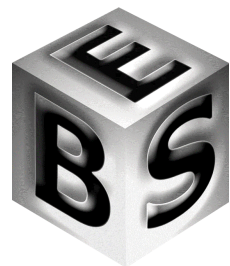
SHEET INDEX

DRAWING No.	TITLE
3122/1	LAYOUT PLAN & GENERAL NOTES
3122/2	DETAIL PLAN 1
3122/3	DETAIL PLAN 2
3122/4	WHALEBONE BOULEVARD & NORFOLK STREET LONGITUDINAL SECTIONS
3122/5	NORFOLK STREET & TIDAL AVENUE LONGITUDINAL & TYPICAL SECTION
3122/6	SANDBAR STREET LONGITUDINAL SECTION & TYPICAL SECTION
3122/7	WATERWAY LONGITUDINAL SECTION & TYPICAL SECTION
3122/8	WHALEBONE BOULEVARD CROSS SECTIONS
3122/9	NORFOLK STREET CROSS SECTIONS
3122/10	NORFOLK STREET CROSS SECTIONS
3122/11	NORFOLK STREET CROSS SECTIONS
3122/12	TIDAL AVENUE CROSS SECTIONS
3122/13	TIDAL AVENUE CROSS SECTIONS
3122/14	SANDBAR STREET CROSS SECTIONS
3122/15	SANDBAR STREET CROSS SECTIONS
3122/16	DRAINAGE LONGITUDINAL SECTIONS
3122/17	DRAINAGE LONGITUDINAL SECTIONS
3122/18	DRAINAGE LONGITUDINAL SECTIONS
3122/19	DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULE
3122/20	INTERSECTION DETAILS
3122/21	CULVERT CROSSING PLAN DETAIL
3122/22	ROAD SIGNAGE AND MARKINGS PLAN
3122/23	CONCRETE HEADWALL DETAIL

- # NOTES:
1. ALL WORKS SHALL CONFORM TO BASS COAST SHIRE STANDARD SPECIFICATIONS
 2. ALL DIMENSIONS ARE IN METRES
 3. LEVELS ARE TO A.H.D. AND TAKEN FROM LEVEL PLANS BY REDDIE SURVEYORS
 4. EXISTING SURFACE LEVELS SHOWN $\text{ES } 9.79$
 5. STREET SIGNS SHOWN 
 6. ALL CHAINAGES SHOWN ARE CENTRELINE CHAINAGES UNLESS OTHERWISE NOTED.
PITS SHALL BE LOCATED FROM OFFSETS SHOWN ON PLANS.
 7. NBN, ELECTRICITY AND WATER CONDUITS CAPPED AT EACH END
ARE SHOWN

 8. ALL EASEMENTS ARE FOR DRAINAGE AND SEWERAGE PURPOSES UNLESS OTHERWISE NOTED
 9. ALL CONSTRUCTION MUST BE CONTAINED WITHIN THEIR RELEVANT RESERVE OR EASEMENT
 10. PROPOSED DRAINAGE SHOWN 
 11. EXISTING DRAINAGE SHOWN 
 12. HOUSE DRAIN

 13. CLASS 3 BACKFILL TO BE USED IN SERVICE TRENCHES UNDER FOOTPATHS AND VEHICULAR CROSSINGS
 14. PROPOSED SEWER SHOWN 
 15. EXISTING SEWER SHOWN 
 16. THE CONTRACTOR SHOULD NOTE THE EXISTENCE OF TELECOM, GAS, POWER, WATER AND ANY OTHER SERVICES IN THE AREA PRIOR TO TENDERING. ANY DISTURBANCE TO EXISTING SERVICES, FOOTPATHS ETC. SHALL BE RECTIFIED AT THE CONTRACTORS EXPENSE.
 17. ALL NATURE STRIPS AND BATTERS SHALL BE COVERED WITH 150mm MIN. DEPTH TOPSOIL AND SEEDED WITH AN APPROVED SEED AND FERTILIZER MIXTURE.
 18. AT COMPLETION, THE WHOLE SITE SHALL BE CLEANED UP, GRADED OVER AND ALL RUBBISH REMOVED, AND THE SITE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERVISING ENGINEER.
 19. EXTENT OF CUT AND FILL IS SHOWN AS 
 20. SERVICE CROSSING LOCATIONS TO BE MARKED ON KERB FOR WATER, POWER AND NBN CONDUITS AND HOUSE DRAINS FOR EACH PROPERTY.
 21. HOLD POINTS FOR CONSTRUCTION ARE AS FOLLOWS:
24 HOURS NOTICE IS REQUIRED FOR INSPECTIONS AT HOLD POINTS
- INSPECTION PRIOR TO COMMENCEMENT OF WORKS;
- INSPECTION OF SUBGRADE;
- INSPECTION DURING DRAINAGE WORKS;
- INSPECTION OF SUBSOIL DRAINAGE;
- INSPECTION OF KERB AND CHANNEL BEDDING AND LAYING;
- INSPECTION AND TESTING OF EACH PAVEMENT LAYER PRIOR TO PLACING ANY SUBSEQUENT PAVEMENT LAYER;
- INSPECTION PRIOR TO SEALING AND ASPHALT WORKS.
 22. WATER AND GAS CONDUITS ARE TO EXTEND 1m INSIDE THE PROPERTY BOUNDARY
 23. BACKFILL FOR ROAD CROSSINGS AND UNDER DRIVEWAY CROSSINGS SHALL BE 20mm CLASS 2 CRUSHED ROCK COMPACTED IN 150mm DEEP LAYERS TO 95% OF AS1289.5.2.1
 24. TREATMENT OF SOFT SPOTS SHALL BE DIRECTED BY BROSNAN ENGINEERING SOLUTIONS.
NO SUBGRADE REPLACEMENT WORKS TO BE UNDERTAKEN WITHOUT PRIOR CONSENT FROM BROSNAN ENGINEERING SOLUTIONS.
 25. COUNCIL'S SURVEILLANCE OFFICER, TOM RUDDELL IS TO BE CONTACTED ON 00466 821 859 WHEN ARRANGING INSPECTIONS.
 26. NO TOPSOIL, SILT OR CLAYEY SILT IS TO BE TAKEN OFF SITE
 27. PRAM CROSSINGS ARE TO BE USED AT ALL MODIFIED 5/2 KERB AND CHANNEL LOCATIONS
 28. BEFORE COMMENCING WORK ON TRENCHES IN EXCESS OF 1.5 METRES IN DEPTH, NOTICE OF SUCH PROPOSAL IS TO BE SENT TO THE PRINCIPAL MINING INSPECTOR, VICTORIAN WORKCOVER AUTHORITY IN ACCORDANCE WITH THE MINES ACT 1958 AND OH&S ACT 1985. A FOREMAN, QUALIFIED AS A NOMINATED PERMITTED MINES MANAGER, MUST BE IN ATTENDANCE AT ALL TIMES DURING SUCH EXCAVATION.
 29. ALL LINE MARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS1742-1 AND AS1742-2, UNLESS SHOWN OTHERWISE. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AS1742-3. ALL LINE MARKING TO BE THERMOPLASTIC.
 30. TACTILE GROUND SURFACE INDICATORS (TGSi) ARE TO BE VICROADS APPROVED
 31. COMPACTION TEST RESULTS ON SUBGRADE, SUBBASE & BASE TO BE PROVIDED TO BROSNAN ENGINEERING SOLUTIONS AND BASS COAST SHIRE COUNCIL PRIOR TO CONSTRUCTION OF SUBSEQUENT LAYERS
 32. CONCRETE GRADE TO BE USED FOR CONSTRUCTION OF PITS TO BE 25MPa
 33. ALL PIPES TO BE RUBBER RING JOINTED (RRJ) UNLESS OTHERWISE STATED
 34. ALL AREAS REQUIRING FILL TO BE STRIPPED, CLEANED OUT TO A SOLID BASE, AND FILLED WITH A SUITABLE CLEAN MATERIAL PLACED IN LAYERS NOT EXCEEDING 300mm IN DEPTH WITH FINAL COMPACTION TO NOT LESS THAN 95.0% OF AS1289.5.1.1 (STANDARD COMPACTION) AT A MOISTURE RATIO BETWEEN 90% AND 105% OF OPTIMUM MOISTURE CONTENT. ALLOTMENT FILLING TO BE COMPLETED UNDER LEVEL 2 REQUIREMENTS.
 35. HOUSE DRAINS ARE TO BE INSTALLED IN ACCORDANCE WITH IDM STANDARD DRAWING S520. HOUSE DRAINS SHALL BE BROUGHT TO THE SURFACE AND CAPPED WHERE APPLICABLE. S50 S20 EASEMENT SHALL BE CONSTRUCTED WITH 450x450 PLASTIC EVERHAD PIT (OR EQUIVALENT)

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD



**BROSNAN ENGINEERING
SOLUTIONS PTY LTD**

48 McBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

PLAN OF SUBDIVISION: PS838137Y	
SURVEY	NOBELIUS
DESIGN	M.BROSNAN
CHECKED	B.WILSON

© COPYRIGHT
ROSAN ENGINEERING
SOLUTIONS P / L HAS GR
LICENCE TO THE CLIE
RE THIS DOCUMENT FOR
TENDED PURPOSE NO
AUTHORISED COPYING
PERMITTED

MUNICIPALITY:

BASS COAST SHIRE COUNCIL

SCHEME

'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 LAYOUT PLAN & GENERAL NOTES

CLIENT:

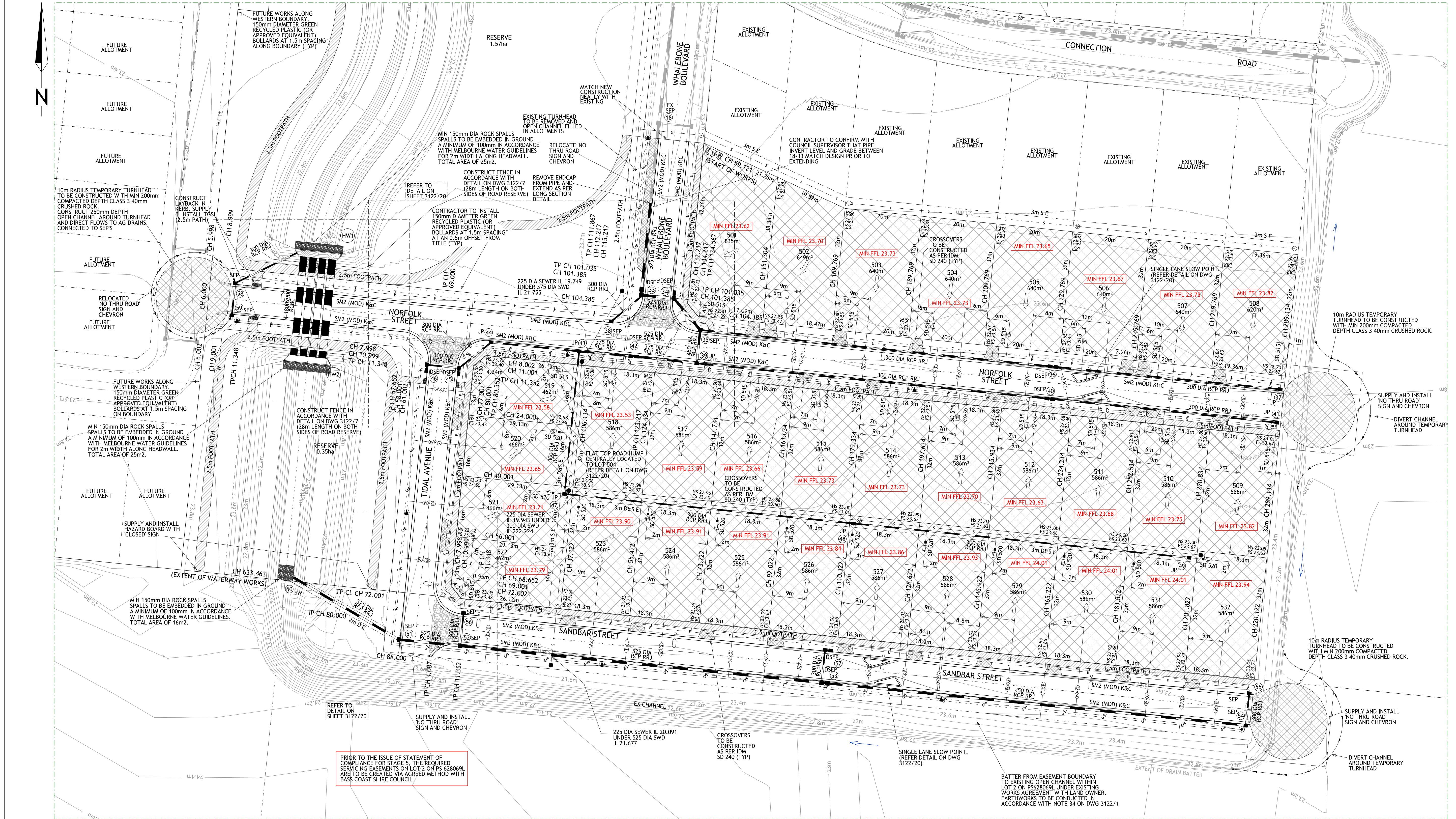
THE BOULEVARDE PTY LTD

BES REFERENCE: 1129-5

3122/ 1

SHEET 1 OF 23

REV
F



DETAIL PLAN 1

SCALE 1:500 (A1)

DESIGN CONTOUR INTERVAL 0.2m



DENOTES FILL TO BE UNDERTAKEN IN ACCORDANCE WITH NOTE 34 & 17 ON DWG 3122/1

DENOTES OVERLAND FLOW PATH

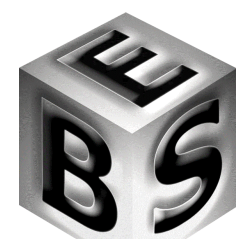
DENOTE LOCATION OF AUSNET STREET LIGHTS (SUBJECT TO CONFIRMATION)

LEGEND

W	PROPOSED POTABLE WATERMAIN	●	PROPOSED SEWER MAINTENANCE STRUCTURE
S	EXISTING POTABLE WATERMAIN	○	EXISTING SEWER MAINTENANCE STRUCTURE
w	PROPOSED SEWERMAIN	○	PROPOSED SEWER TERMINAL MAINTENANCE SHAFT
s	EXISTING SEWERMAIN	○	EXISTING SEWER TERMINAL MAINTENANCE SHAFT
E	PROPOSED ELECTRICAL CABLE	□	PROPOSED DRAINAGE PIT
e	EXISTING ELECTRICAL CABLE	□	EXISTING DRAINAGE PIT
T	PROPOSED TELECOMMUNICATIONS CABLE	▲	PROPOSED FIREPLUG
t	EXISTING TELECOMMUNICATIONS CABLE	▲	EXISTING FIREPLUG
—	PROPOSED DRAINAGE PIPE	—	PROPOSED STREET LIGHT
—	EXISTING DRAINAGE PIPE	—	STORMWATER PROPERTY CONNECTION
—	FUTURE DRAINAGE PIPE	—	TACTILE GROUND SURFACE INDICATORS (TGSIs)
—	ELECTRICITY & TELECOMMUNICATIONS CONDUIT	—	DENOTES STREET LIGHT LOCATION
—	WATER & GAS CONDUIT	—	PERMANENT SURVEY MARK
—	TEMPORARY BENCH MARK		

WARNING
BEWARE 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

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD



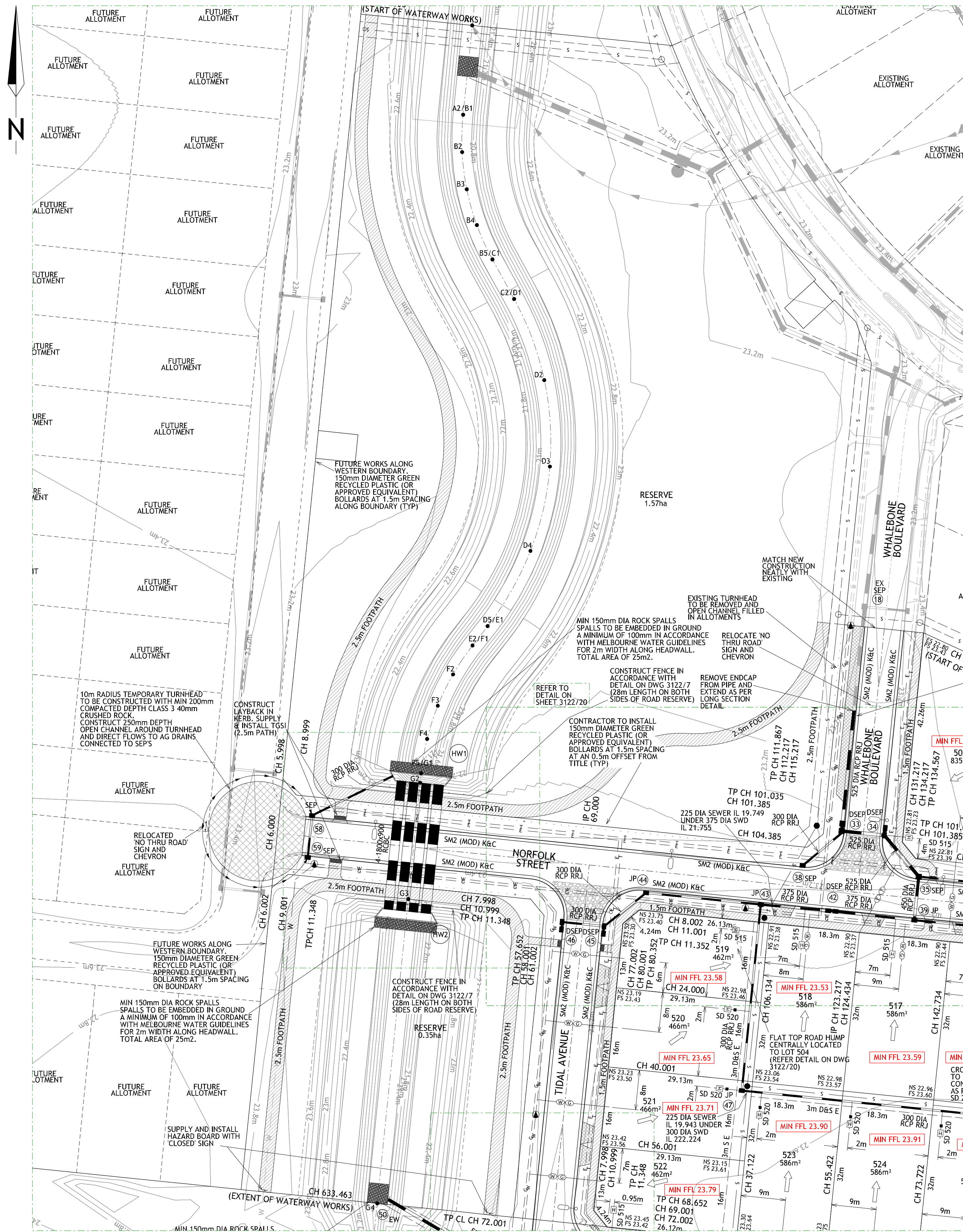
BROSAN ENGINEERING SOLUTIONS PTY LTD
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

PLAN OF SUBDIVISION:	PS838137Y
SURVEY	NOBELIUS
DESIGN	M.BROSAN
CHECKED	B.WILSON

© COPYRIGHT
BROSAN ENGINEERING SOLUTIONS PTY LTD HAS GRANTED A LICENSE TO THE CLIENT TO USE THIS DOCUMENT FOR ITS INTENDED PURPOSE. NO UNAUTHORIZED COPYING IS PERMITTED

MUNICIPALITY:	BASS COAST SHIRE COUNCIL
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5
CLIENT:	THE BOULEVARDE PTY LTD
BES REFERENCE:	1129-5
	3122/ 2
	SHEET 2 OF 23

REV
F



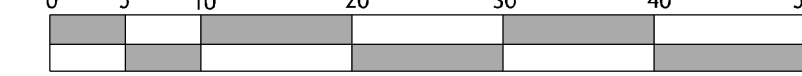
CO-ORDINATE SETOUT DETAIL
(LIP OF KERB)

POINT	EASTING	NORTHING	RL
A1	378969.230	5726310.703	20.634
A2/B1	378967.400	5726292.739	20.688
B2	378967.203	5726285.213	20.711
B3	378968.138	5726277.744	20.734
B4	378970.166	5726270.548	20.756
B5/C1	378973.294	5726263.644	20.779
C2/D1	378977.658	5726255.681	20.806
D2	378983.719	5726239.368	20.856
D3	378984.844	5726222.001	20.911
D4	378980.938	5726205.043	20.965
D5/E1	378972.329	5726189.918	21.016
E2/F1	378969.286	5726186.021	21.030
F2	378965.369	5726180.207	21.051
F3	378962.304	5726173.902	21.073
F4	378960.151	5726167.230	21.094
F5/G1	378958.952	5726160.323	21.115
G2	378958.758	5726158.420	21.120
G3	378956.372	5726135.042	21.191
G4	378950.129	5726073.859	21.375

DETAIL PLAN 2

SCALE 1:500 (A1)

DESIGN CONTOUR INTERVAL 0.2m



DENOTES FILL TO BE UNDERTAKEN
IN ACCORDANCE WITH NOTE
34 & 17 ON DWG 3122/1

DENOTE LOCATION OF AUSNET STREET LIGHTS
(SUBJECT TO CONFIRMATION)

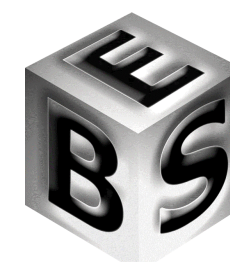
DENOTES OVERLAND FLOW PATH

LEGEND

W	PROPOSED POTABLE WATERMAIN	●	PROPOSED SEWER MAINTENANCE STRUCTURE
S	EXISTING POTABLE WATERMAIN	○	EXISTING SEWER MAINTENANCE STRUCTURE
SW	PROPOSED SEWERMAIN	□	PROPOSED SEWER TERMINAL MAINTENANCE SHAFT
SE	EXISTING SEWERMAIN	□	EXISTING SEWER TERMINAL MAINTENANCE SHAFT
E	PROPOSED ELECTRICAL CABLE	■	PROPOSED DRAINAGE PIT
T	EXISTING ELECTRICAL CABLE	■	EXISTING DRAINAGE PIT
FT	PROPOSED TELECOMMUNICATIONS CABLE	▲	PROPOSED FIREPLUG
FT	EXISTING TELECOMMUNICATIONS CABLE	▲	EXISTING FIREPLUG
DP	PROPOSED DRAINAGE PIPE	○	PROPOSED STREET LIGHT
EP	EXISTING DRAINAGE PIPE	○	STORMWATER PROPERTY CONNECTION
FP	FUTURE DRAINAGE PIPE	○	TACTILE GROUND SURFACE INDICATORS (TGS)
EC	ELECTRICITY & TELECOMMUNICATIONS CONDUIT	○	DENOTES STREET LIGHT LOCATION
WG	WATER & GAS CONDUIT	○	PERMANENT SURVEY MARK
TM	TEMPORARY BENCH MARK		

WARNING
BEWARE 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

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD

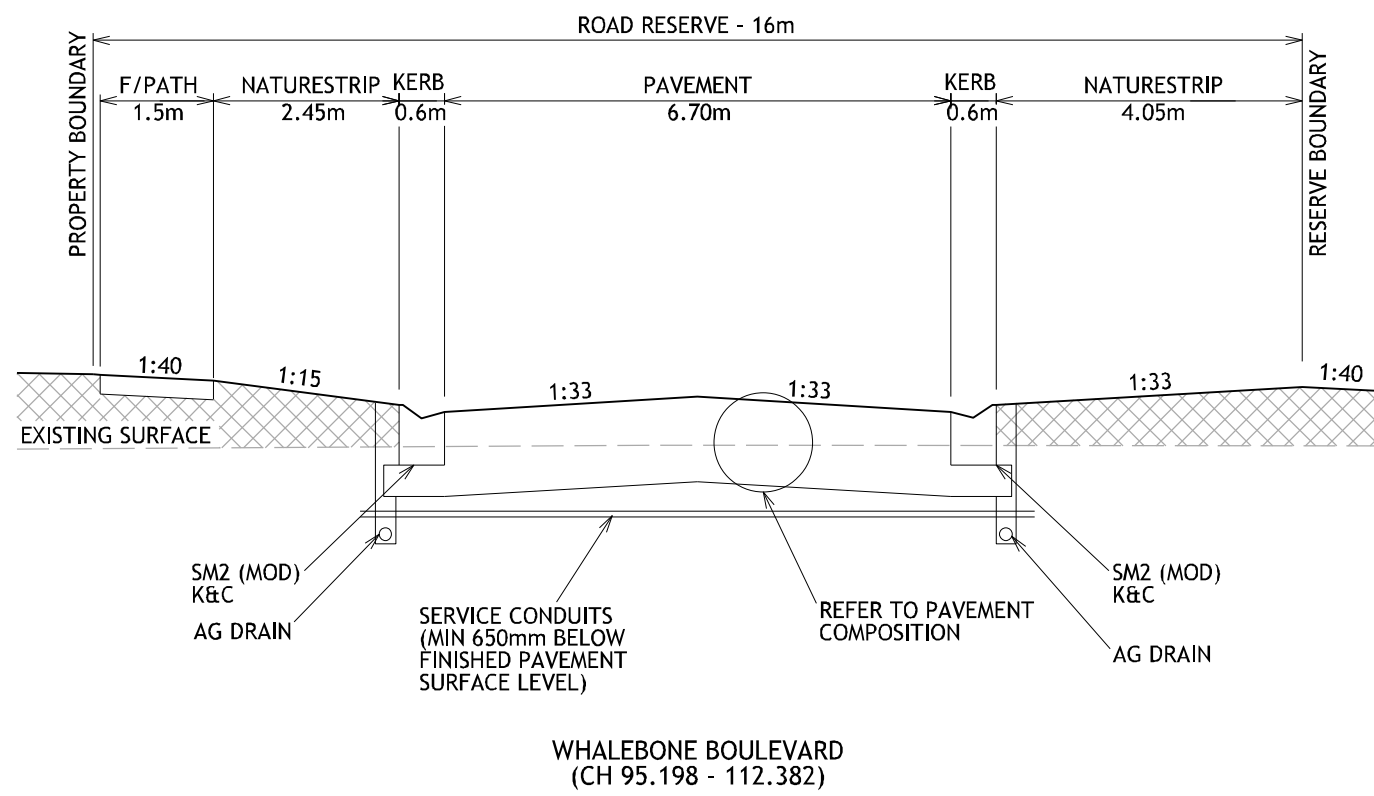
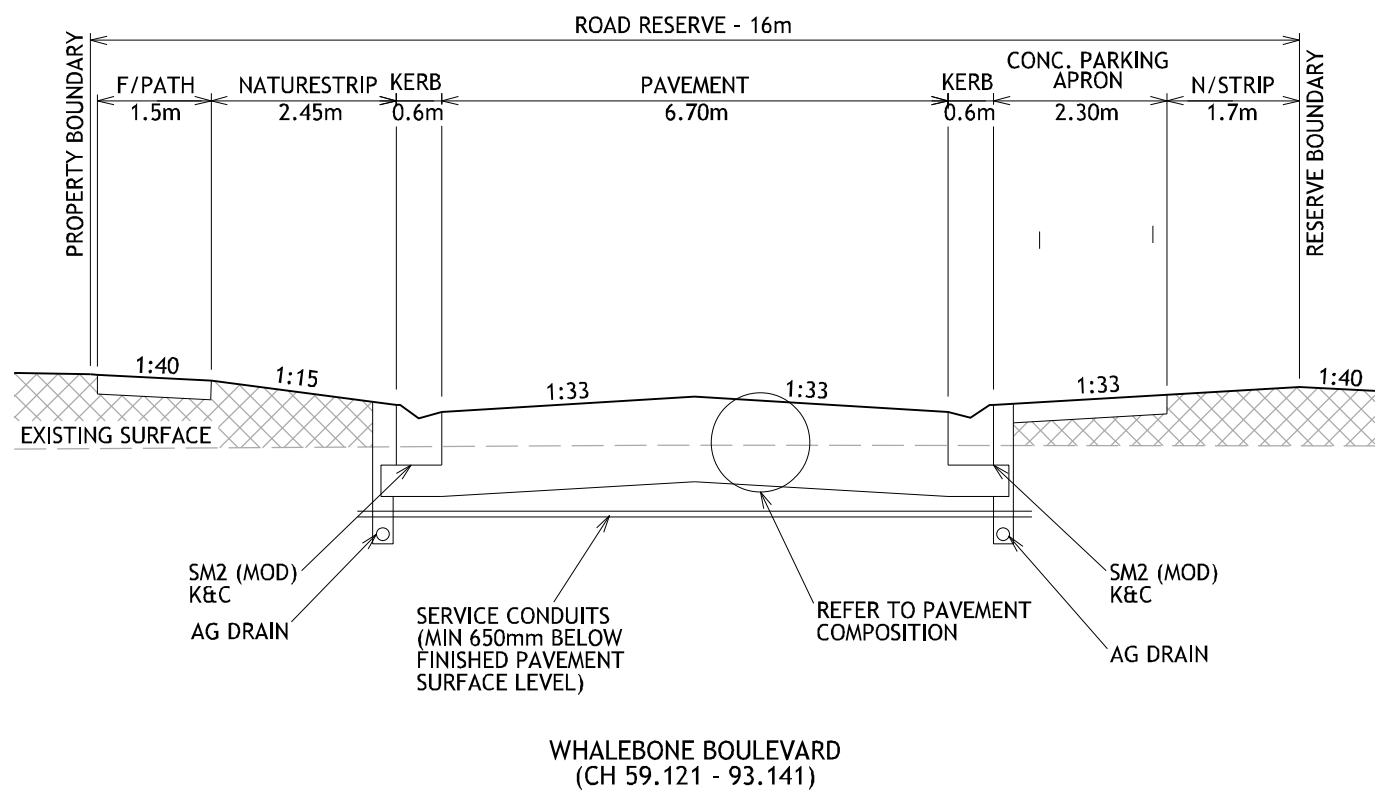


**BROSAN ENGINEERING
SOLUTIONS PTY LTD**
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

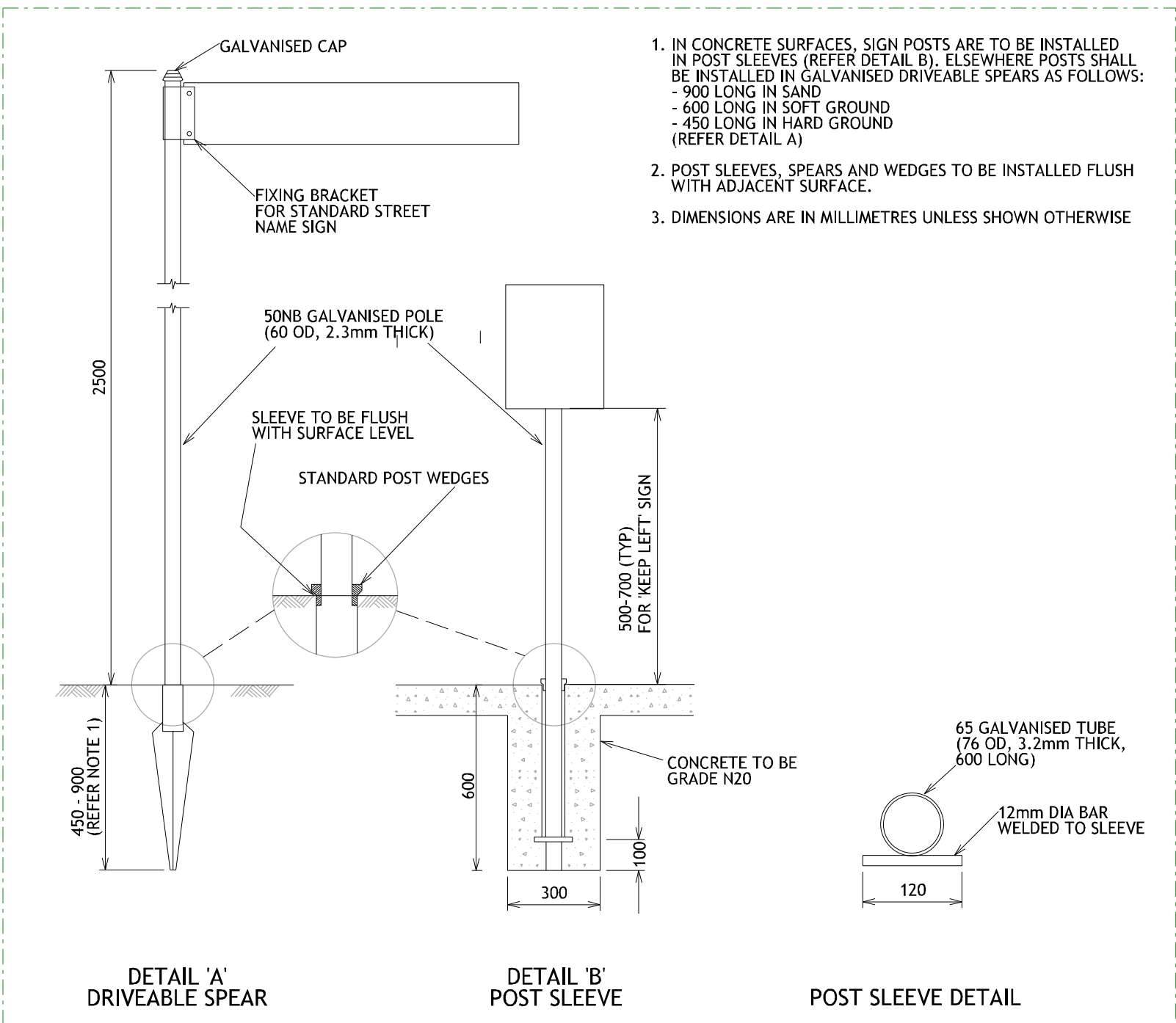
PLAN OF SUBDIVISION: PS838137Y	© COPYRIGHT BROSAN ENGINEERING SOLUTIONS PTY LTD HAS GRANTED A LICENCE TO THE CLIENT TO USE THIS DOCUMENT FOR ITS INTENDED PURPOSE NO UNAUTHORIZED COPYING IS PERMITTED
SURVEY NOBELIUS	
DESIGN M.BROSAN	
CHECKED B.WILSON	

MUNICIPALITY: BASS COAST SHIRE COUNCIL	SCHEME 'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 DETAIL PLAN 2
CLIENT: THE BOULEVARDE PTY LTD	

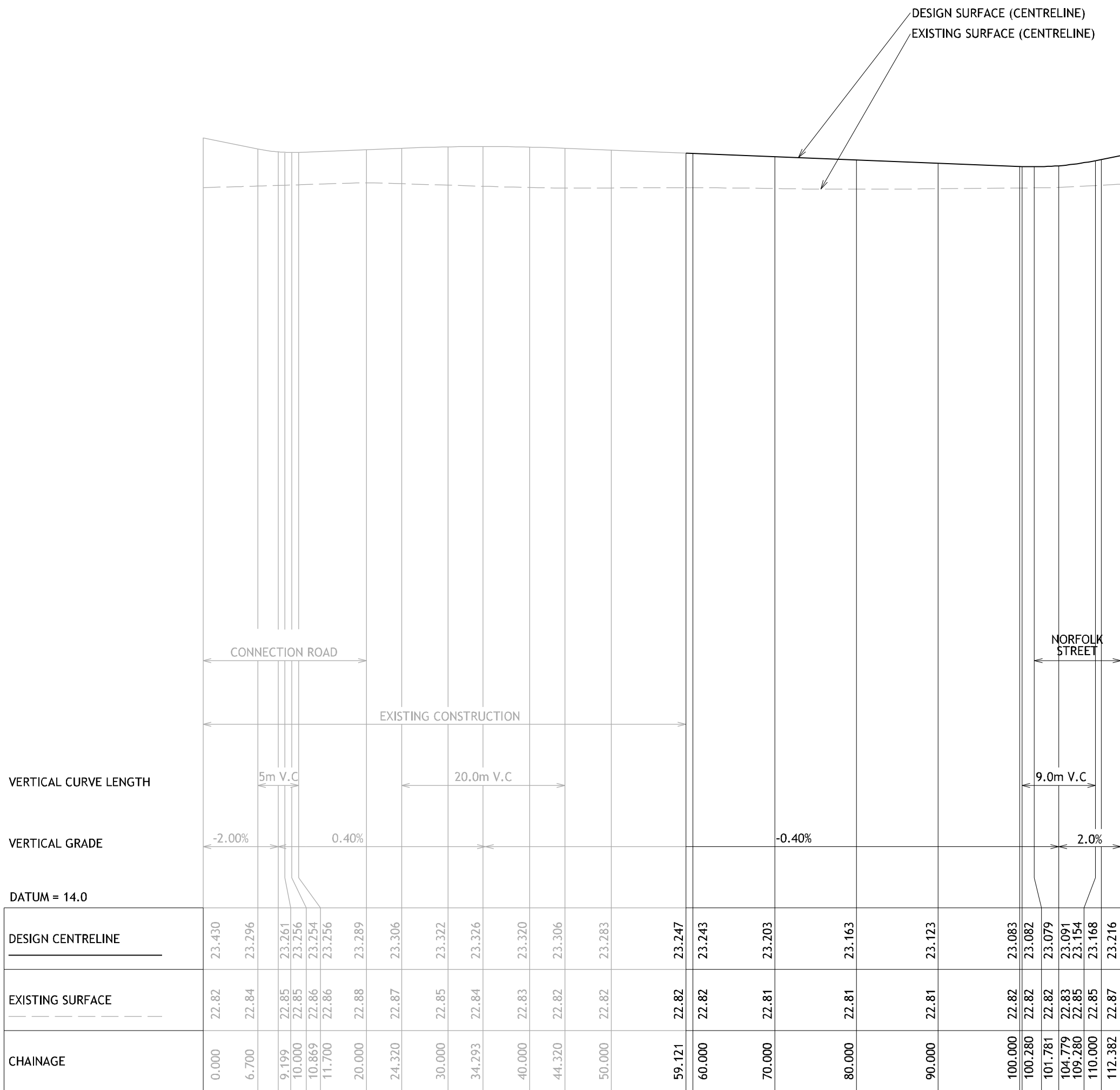
BES REFERENCE: 1129-5	REV F
3122/ 3	
SHEET 3 OF 23	



TYPICAL SECTIONS
NOT TO SCALE

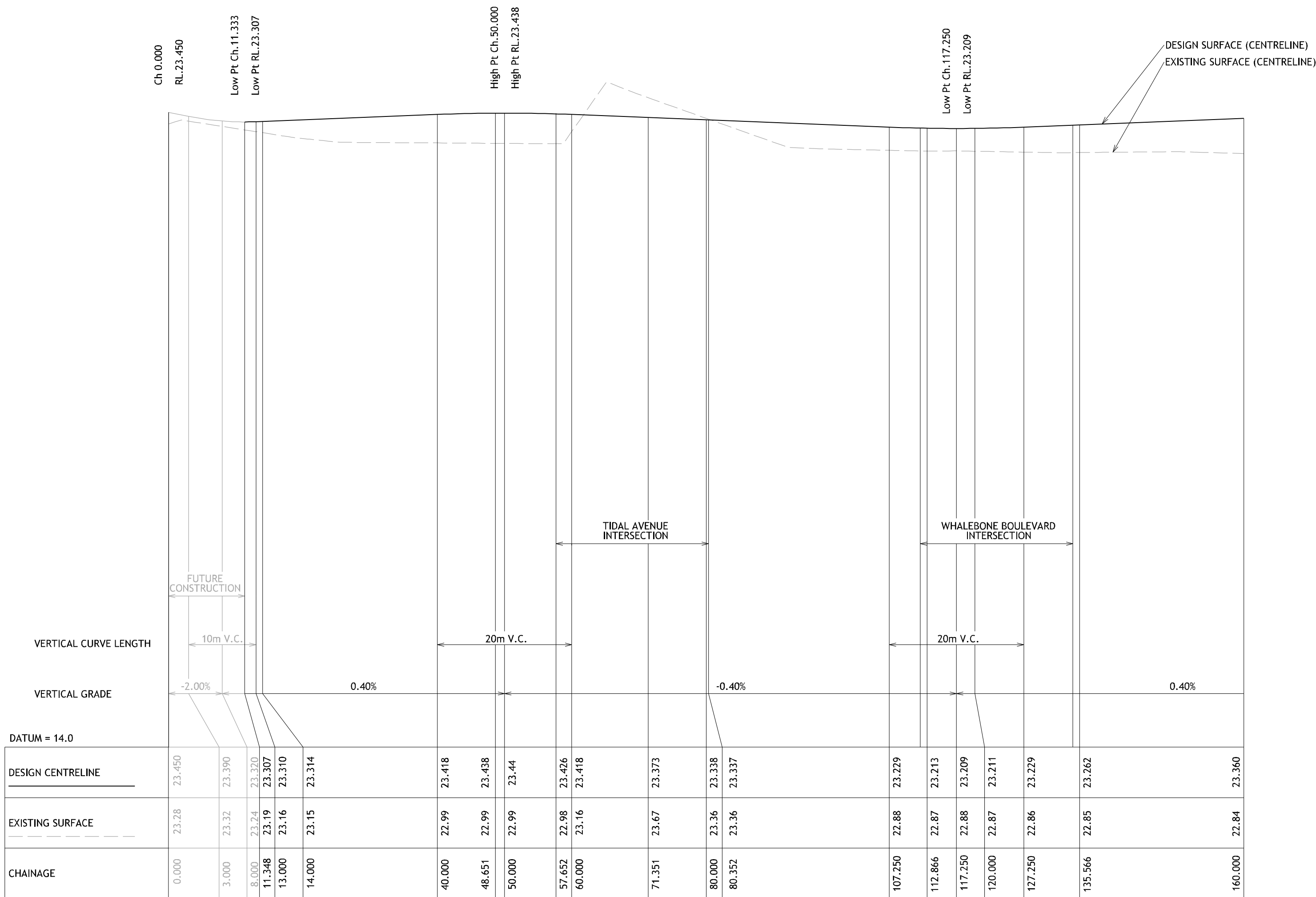
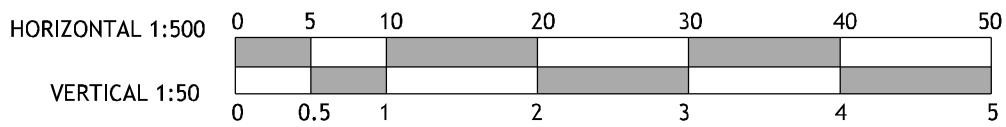


TYPICAL FOOTING DETAILS FOR SIGNS
NOT TO SCALE



LONGITUDINAL SECTION

WHALEBONE BOULEVARD
SCALE 1:500(H), 1:50(V) (A1)

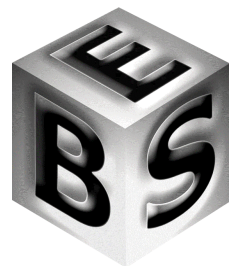


LONGITUDINAL SECTION

NORFOLK STREET
SCALE 1:500(H), 1:50(V) (A1)



F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD

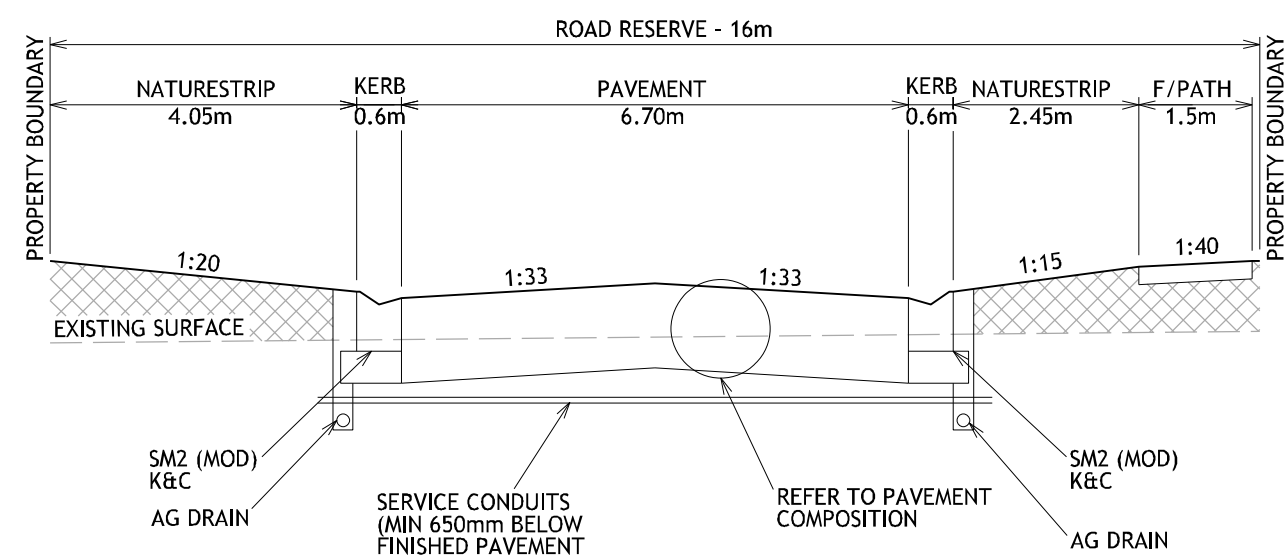


**BROSAN ENGINEERING
SOLUTIONS PTY LTD**
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

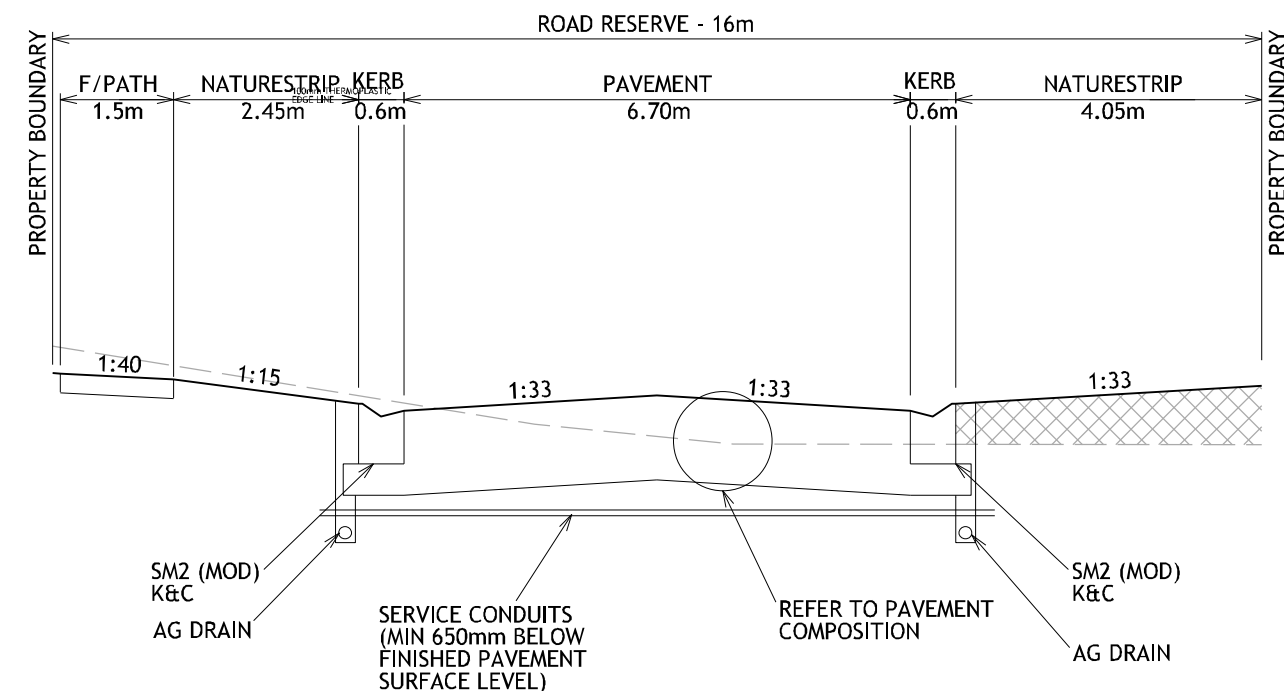
PLAN OF SUBDIVISION: PS838137Y	
SURVEY	NOBELIUS
DESIGN	M.BROSAN
CHECKED	B.WILSON

© COPYRIGHT
BROSAN ENGINEERING
SOLUTIONS PTY LTD HAS GRANTED
A LICENCE TO THE CLIENT TO
USE THIS DOCUMENT FOR ITS
INTENDED PURPOSE NO
UNAUTHORISED COPYING
IS PERMITTED

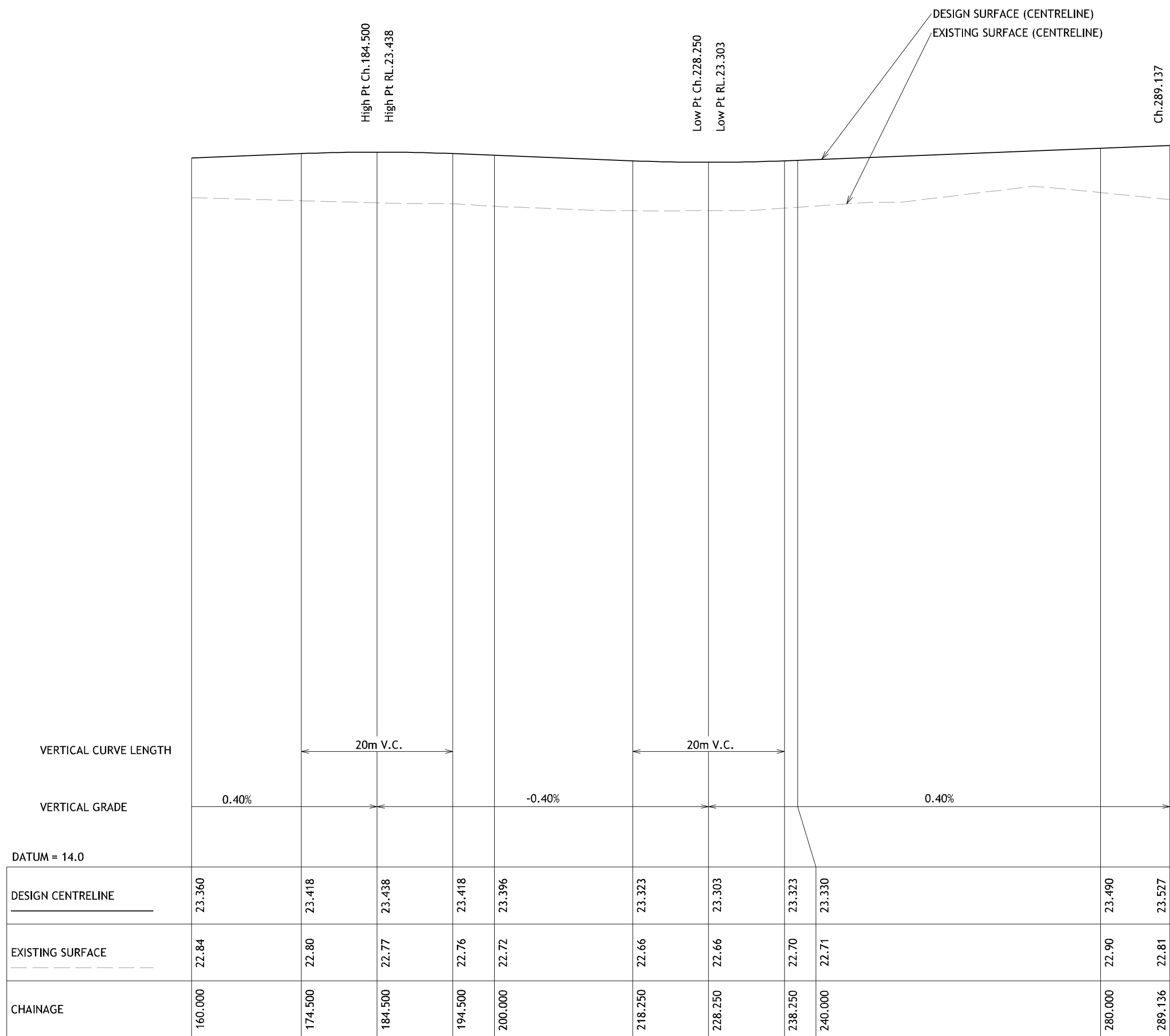
MUNICIPALITY:	BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 WHALEBONE BLVD & NORFOLK STREET LONGITUDINAL SECTIONS	3122/ 4	F
CLIENT:	THE BOULEVARDE PTY LTD	SHEET 4 OF 23	



NORFOLK STREET
(CH 80.352 - 289.137)
TYPICAL SECTIONS
NOT TO SCALE

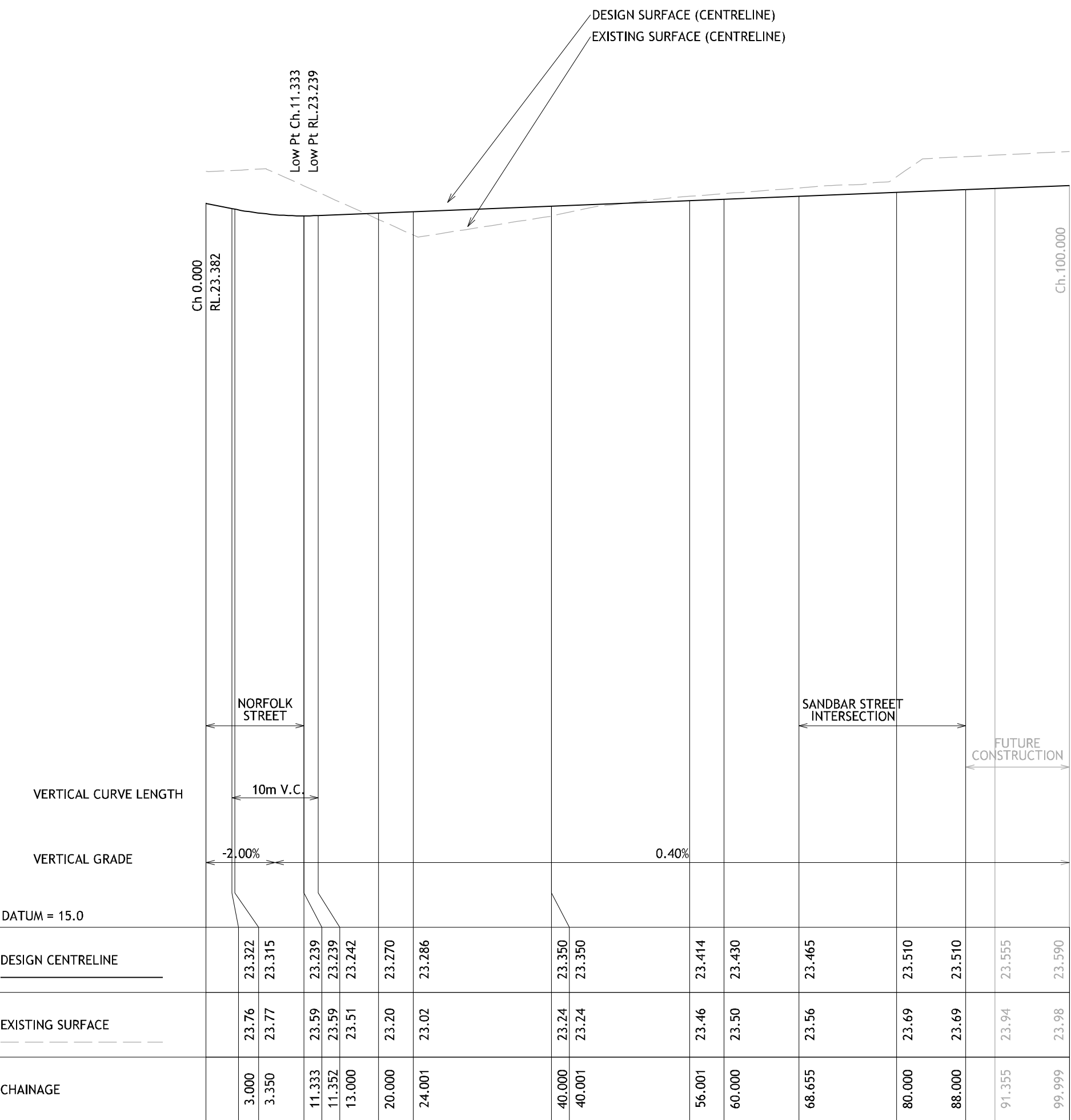


TIDAL AVENUE
(CH 11.352 - 91.355)
TYPICAL SECTIONS
NOT TO SCALE



LONGITUDINAL SECTION

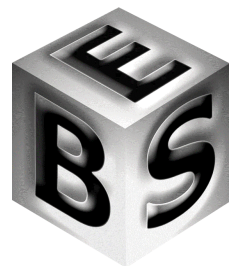
NORFOLK STREET
SCALE 1:500(H), 1:50(V) (A1)
HORIZONTAL 1:500
VERTICAL 1:50



LONGITUDINAL SECTION

TIDAL AVENUE
SCALE 1:500(H), 1:50(V) (A1)
HORIZONTAL 1:500
VERTICAL 1:50

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD

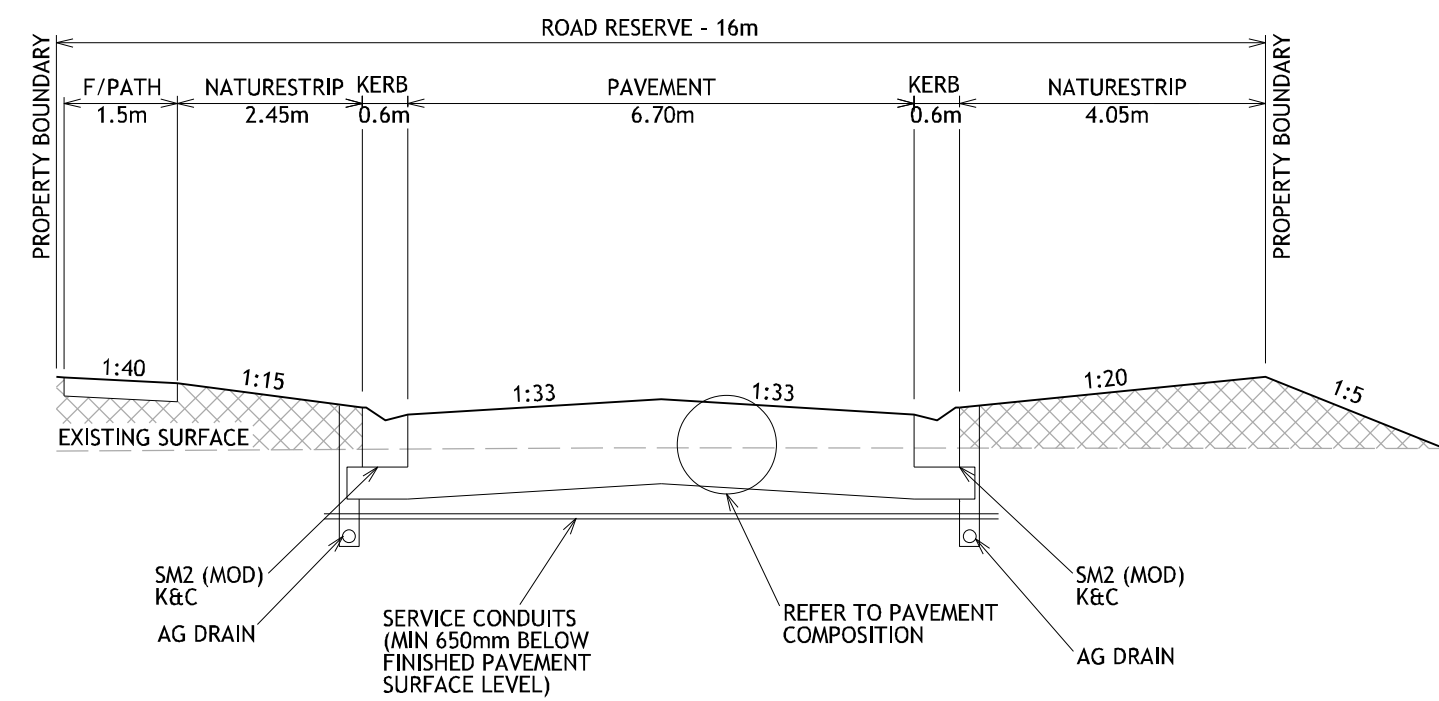


**BROSAN ENGINEERING
SOLUTIONS PTY LTD**
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

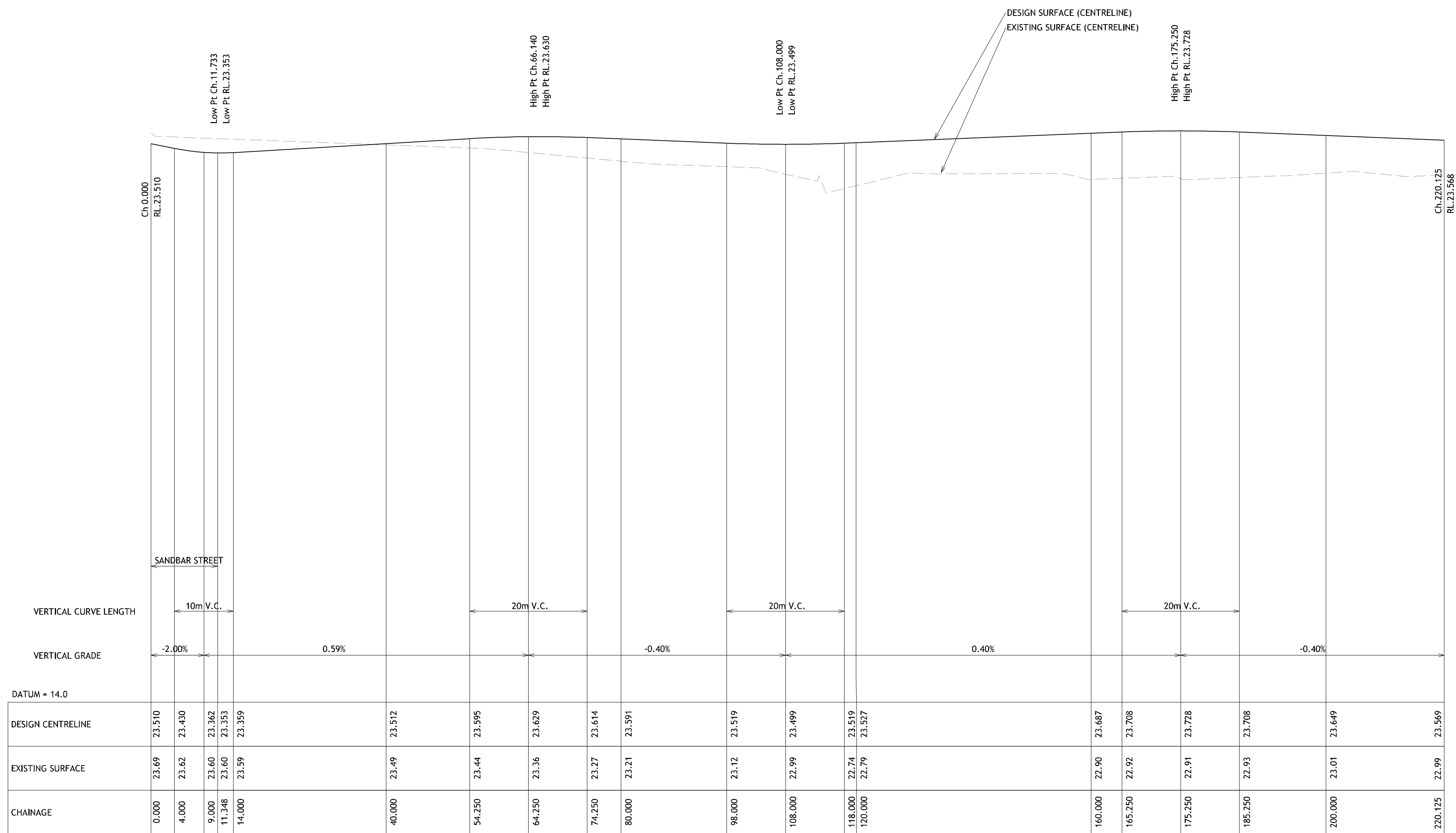
PLAN OF SUBDIVISION: PS838137Y	
SURVEY	NOBELIUS
DESIGN	M.BROSAN
CHECKED	B.WILSON

© COPYRIGHT
BROSAN ENGINEERING
SOLUTIONS P / L HAS GRANTED
A LICENCE TO THE CLIENT TO
USE THIS DOCUMENT FOR ITS
INTENDED PURPOSE NO
UNAUTHORISED COPYING
IS PERMITTED

MUNICIPALITY:	BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 NORFOLK STREET & TIDAL AVENUE LONGITUDINAL & TYPICAL SECTION	3122/ 5	F
CLIENT:	THE BOULEVARDE PTY LTD	SHEET 5 OF 23	

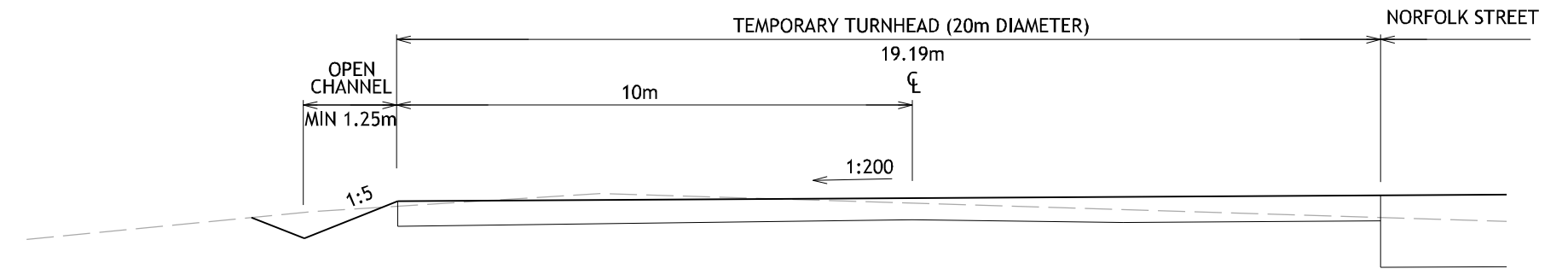


SANDBAR STREET
(CH 11.348 - 230.125)
TYPICAL SECTIONS
NOT TO SCALE

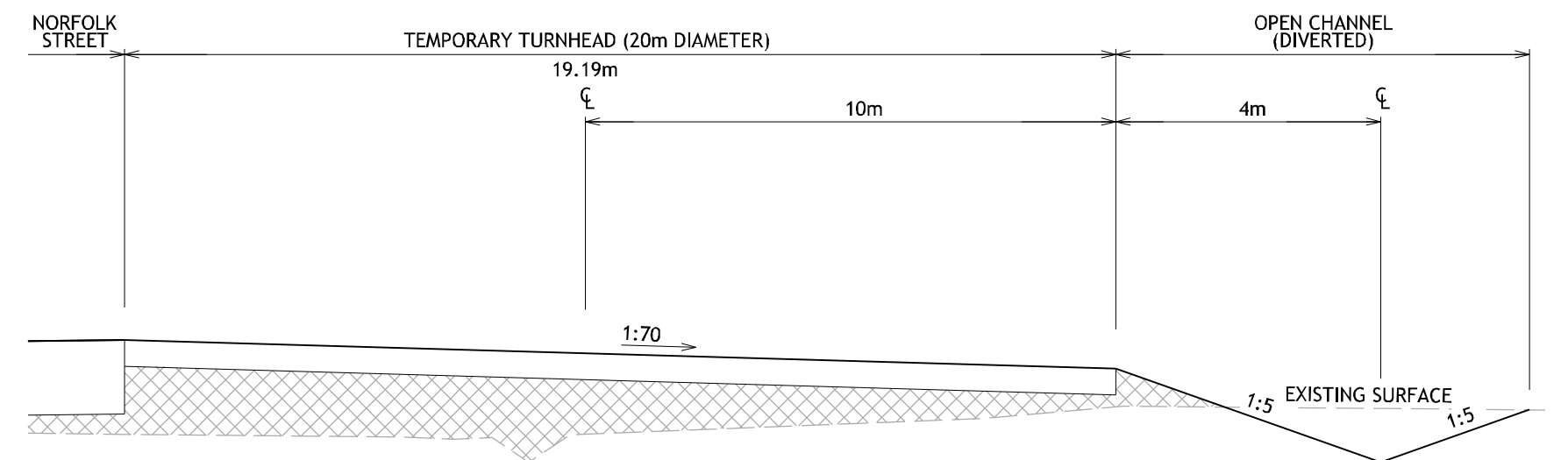


LONGITUDINAL SECTION

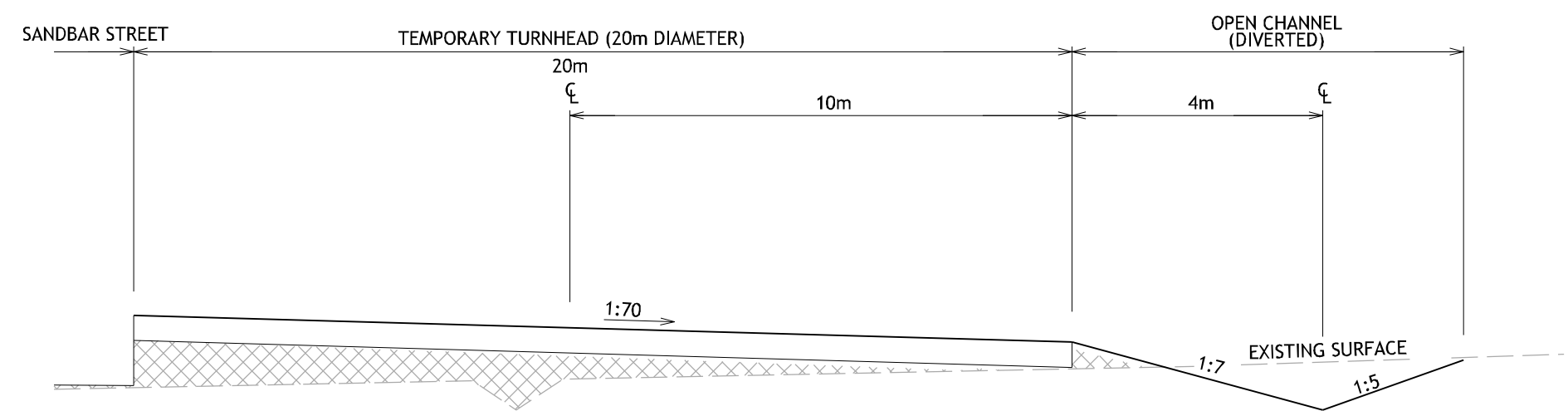
SANDBAR STREET
SCALE 1:500(H), 1:50(V) (A1)
HORIZONTAL 1:500
VERTICAL 1:50



WEST OF NORFOLK STREET
(VIEW LOOKING NORTH)

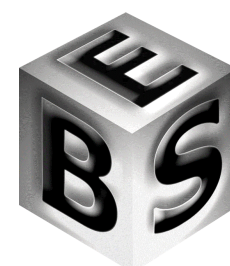


EAST OF NORFOLK STREET
VIEW LOOKING NORTH



EAST OF SANDBAR STREET
VIEW LOOKING NORTH
TEMPORARY TURNHEAD SECTIONS
NOT TO SCALE

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD

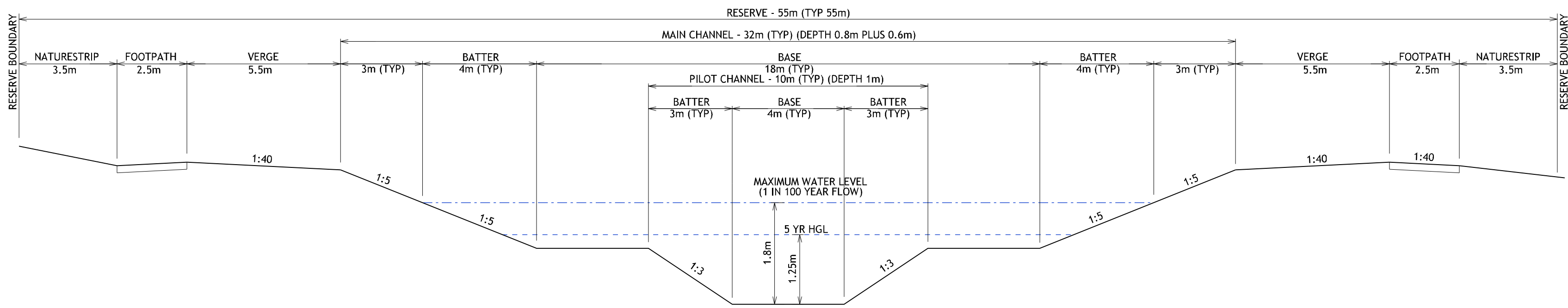


**BROSAN ENGINEERING
SOLUTIONS PTY LTD**
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

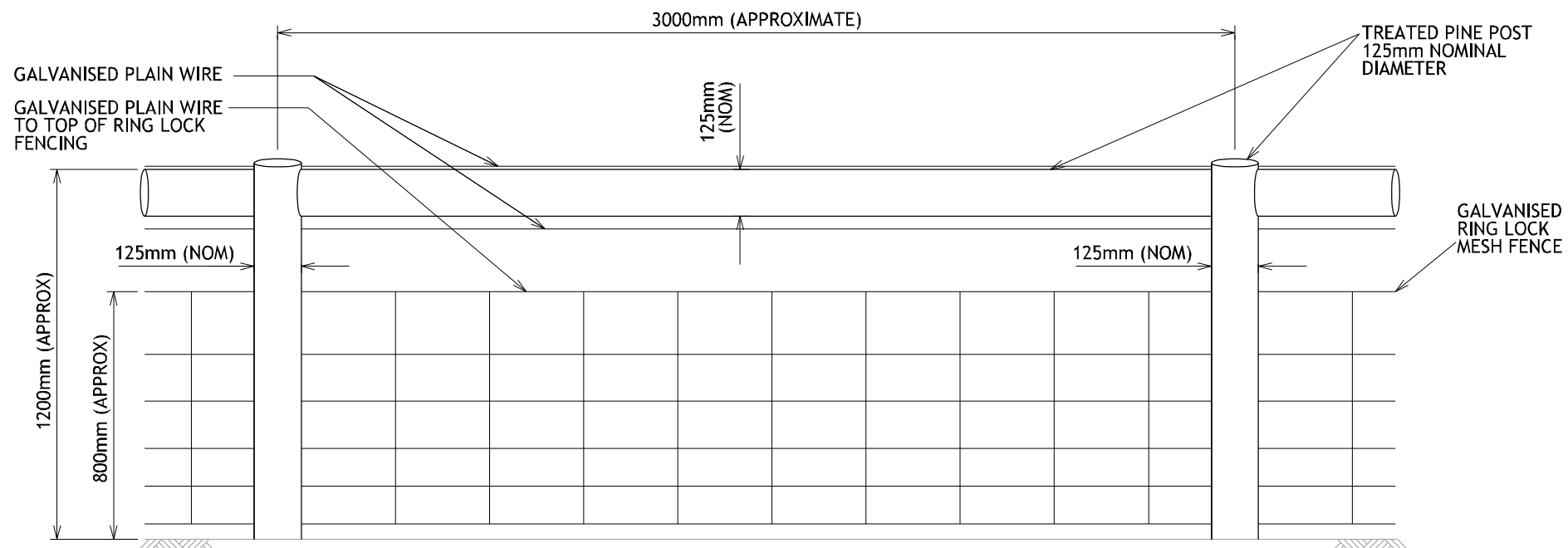
PLAN OF SUBDIVISION: PS838137Y	
SURVEY	NOBELIUS
DESIGN	M.BROSAN
CHECKED	B.WILSON

© COPYRIGHT
BROSAN ENGINEERING
SOLUTIONS P / L HAS GRANTED
A LICENCE TO THE CLIENT TO
USE THIS DOCUMENT FOR ITS
INTENDED PURPOSE NO
UNAUTHORISED COPYING
IS PERMITTED

MUNICIPALITY:	BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 SANDBAR STREET LONGITUDINAL SECTION & TYPICAL SECTION	3122/ 6	F
CLIENT:	THE BOULEVARDE PTY LTD	SHEET 6 OF 23	

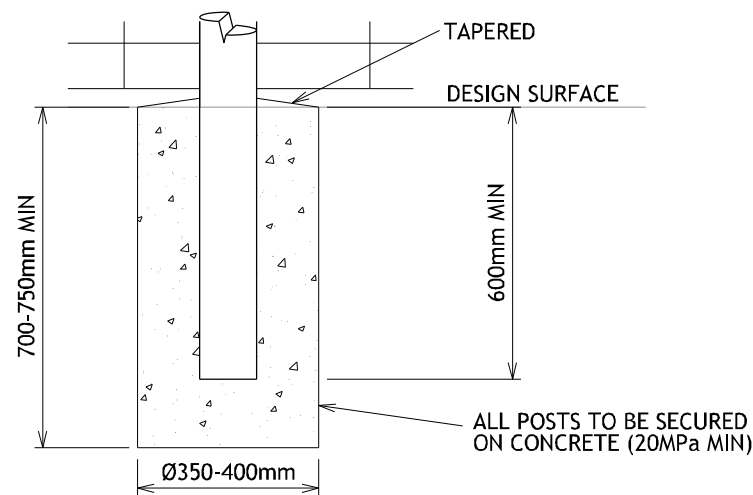


TYPICAL SECTIONS
NOT TO SCALE

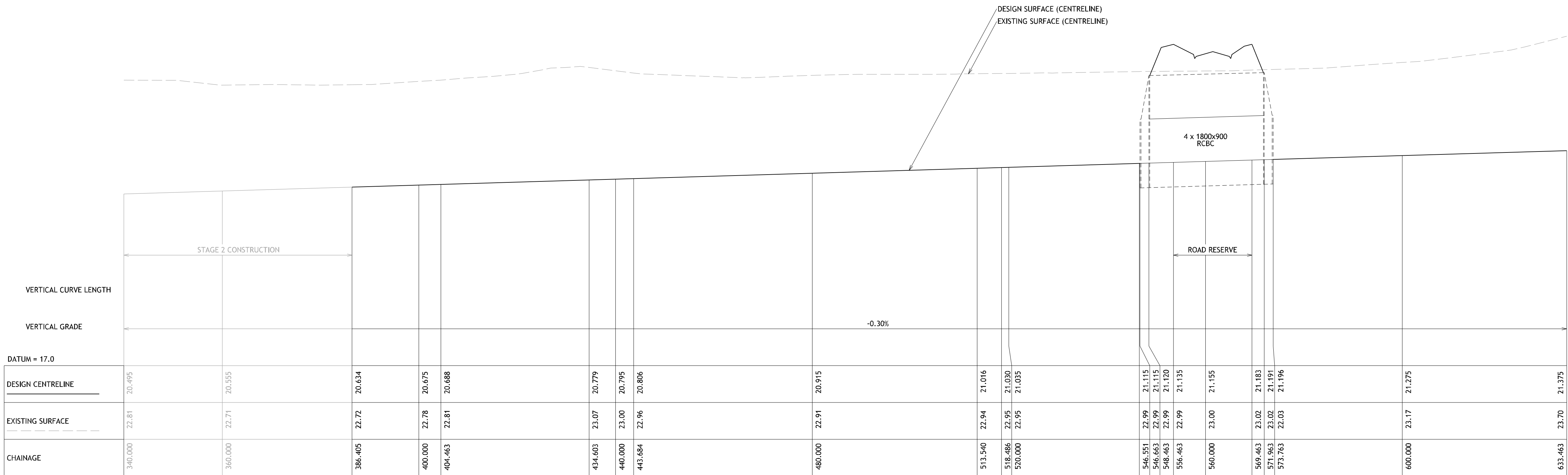


FENCE DETAIL 1

FENCING DETAILS
NOT TO SCALE



POST FOOTING DETAILS
NOT TO SCALE



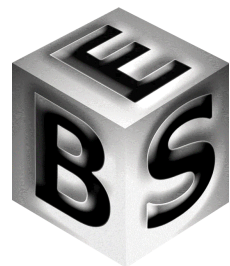
LONGITUDINAL SECTION

WATERWAY PROFILE

SCALE 1:500(H), 1:50(V) (A1)



E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
A	03/04/21	INITIAL PLAN PREPARATION	BW
INDEX	DATE	REVISION	APPD

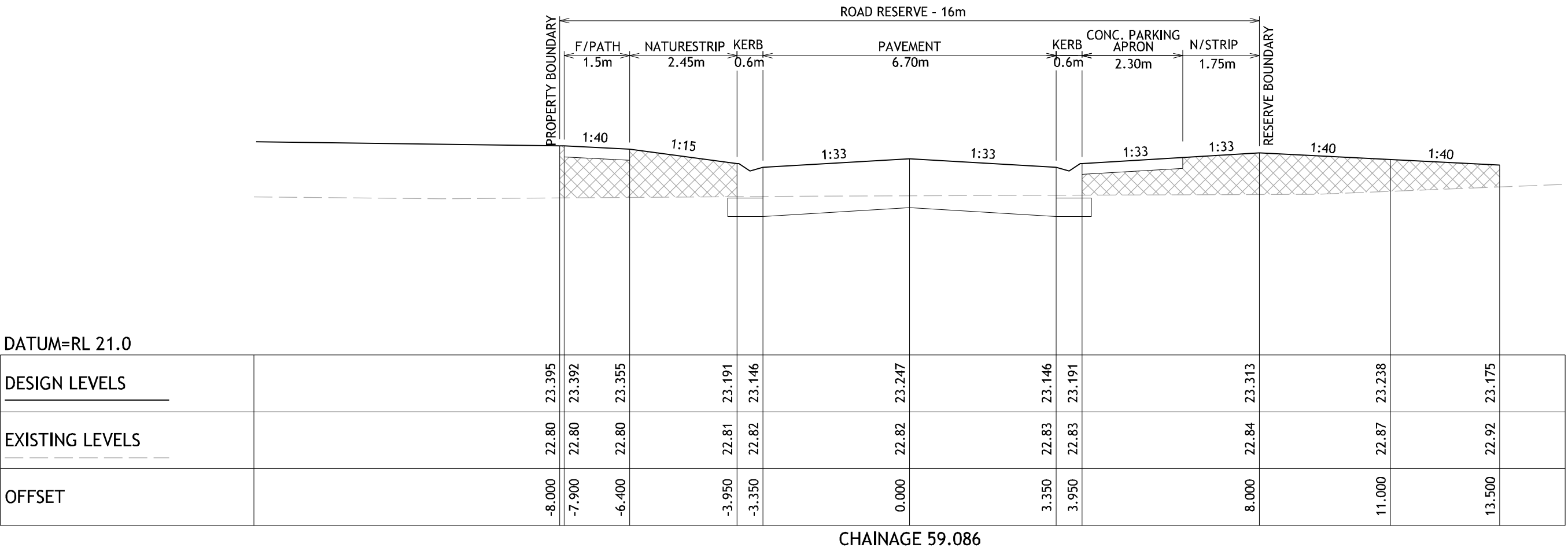
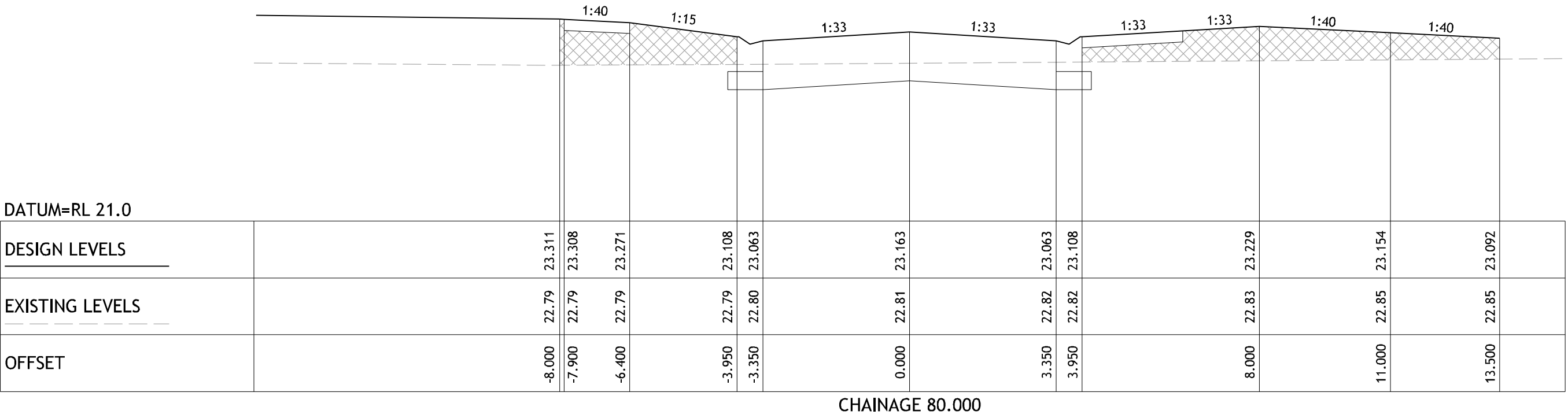
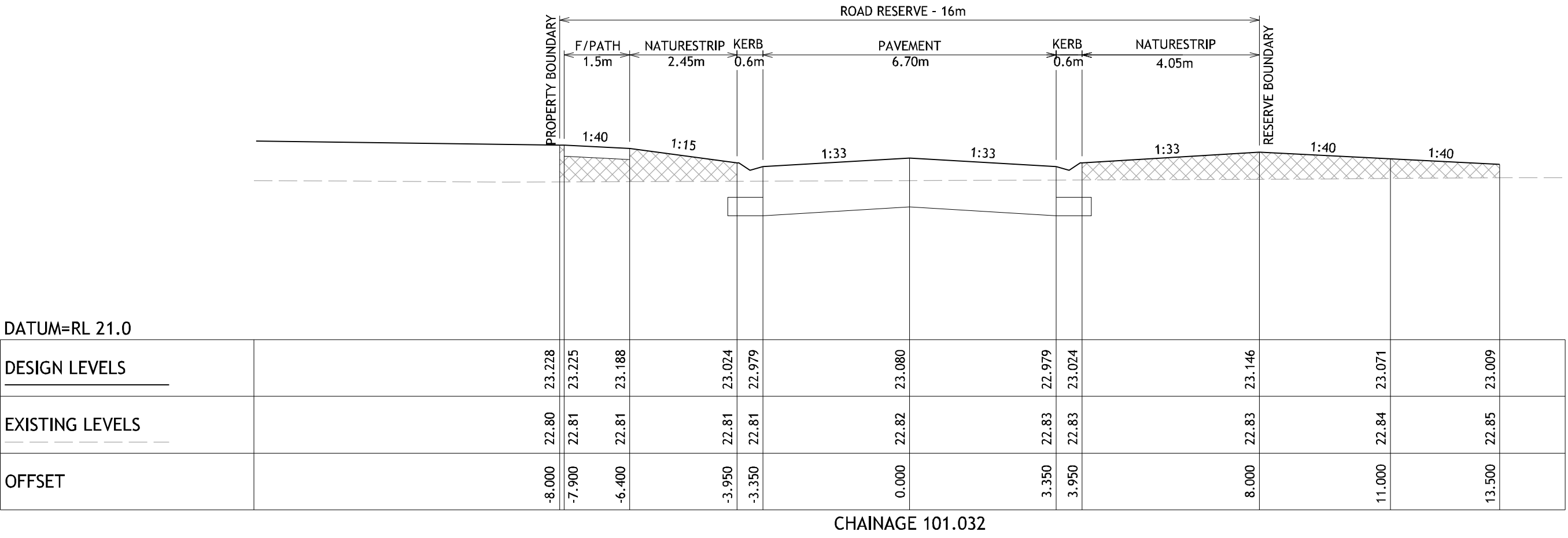


**BROSAN ENGINEERING
SOLUTIONS PTY LTD**
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

PLAN OF SUBDIVISION: PS838137Y	
SURVEY	NOBELLIUS
DESIGN	M.BROSAN
CHECKED	B.WILSON

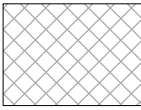
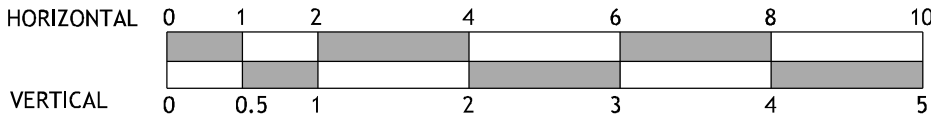
© COPYRIGHT
BROSAN ENGINEERING
SOLUTIONS P/L HAS GRANTED
A LICENCE TO THE CLIENT TO
USE THIS DOCUMENT FOR ITS
INTENDED PURPOSE. NO
UNAUTHORISED COPYING
IS PERMITTED

MUNICIPALITY:	BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 WATERWAY LONGITUDINAL SECTION	3122/ 7	E
CLIENT:	THE BOULEVARDE PTY LTD	SHEET 7 OF 23	

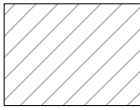


CROSS SECTIONS

WHALEBONE BOULEVARD
SCALE 1:100 (H), 1:50 (V) (A1)

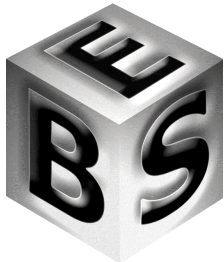


DENOTES SELECT FILL FOR FILL DEPTHS GREATER THAN 300mm COMPACTION TO BE IN ACCORDANCE WITH NOTE 34 ON DRG No 3122/1



DENOTES SUITABLE CLEAN SITE-DERIVED MATERIAL PLACED IN LAYERS NOT EXCEEDING 150mm IN DEPTH AND COMPACTION TO NOT LESS THAN 95% OF A5 1289.5.1.1 (STANDARD)

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD



**BROSNAN ENGINEERING
SOLUTIONS PTY LTD**
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

PLAN OF SUBDIVISION:
PS838137Y

SURVEY NOBELIUS

DESIGN M.BROSNAN

CHECKED B.WILSON

© COPYRIGHT

BROSNAN ENGINEERING
SOLUTIONS PTY LTD HAS GRANTED
A LICENCE TO THE CLIENT TO
USE THIS DOCUMENT FOR ITS
INTENDED PURPOSE. NO
UNAUTHORISED COPYING
IS PERMITTED

MUNICIPALITY:

BASS COAST SHIRE COUNCIL

SCHEME

'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5
WHALEBONE BOULEVARD CROSS SECTIONS

CLIENT:

THE BOULEVARDE PTY LTD

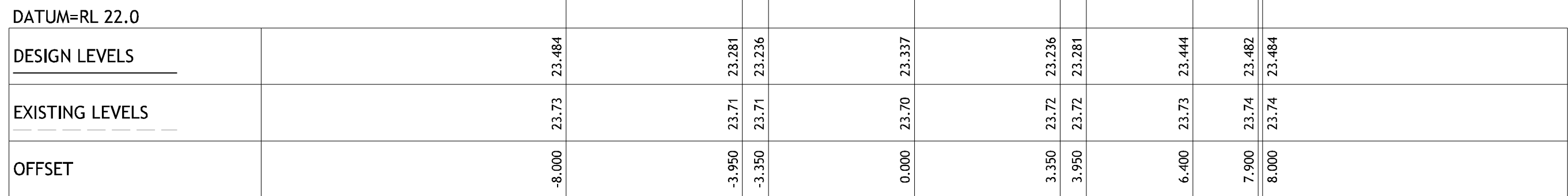
BES REFERENCE: 1129-5

3122/ 8

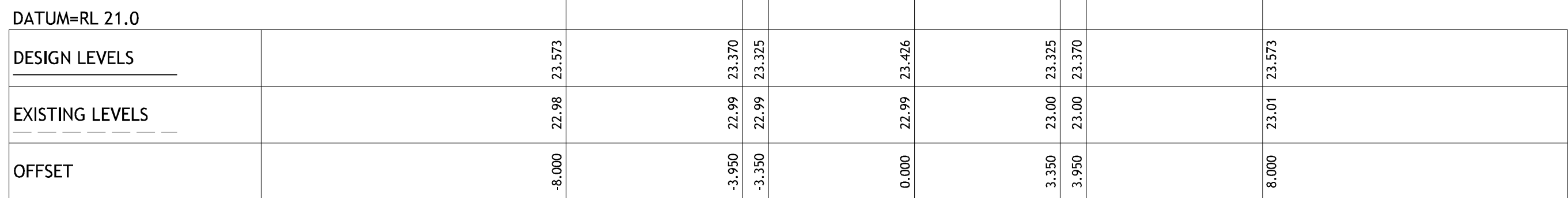
SHEET 8 OF 23

REV

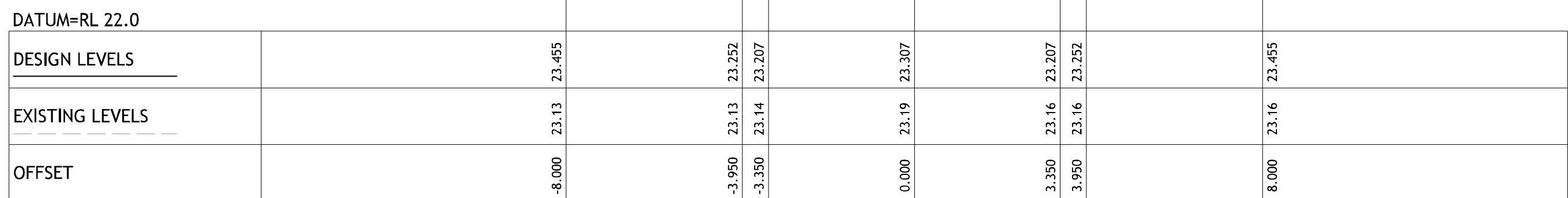
F



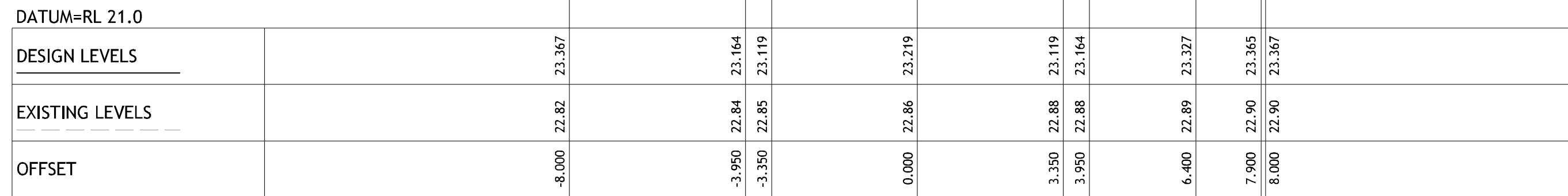
CHAINAGE 80.352



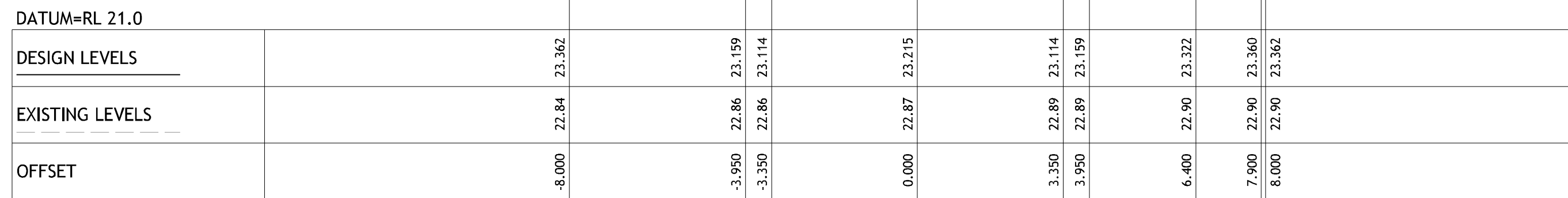
CHAINAGE 57.652



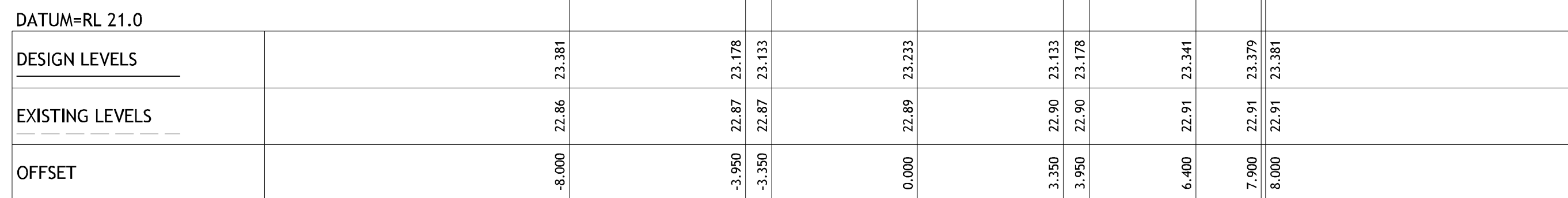
CHAINAGE 11.348



CHAINAGE 124.434

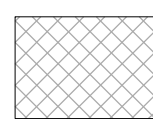


CHAINAGE 111.867

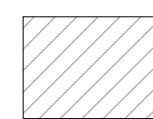


CHAINAGE 106.134

NORFOLK STREET
SCALE 1:100 (H), 1:50 (V) (A1)

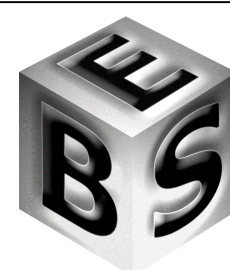


DENOTES SELECT FILL. FOR FILL DEPTHS GREATER THAN 300mm COMPACTION TO BE IN ACCORDANCE WITH NOTE 34 ON DRG No 3122/1



 DENOTES SUITABLE CLEAN SITE-DERIVED MATERIAL PLACED IN LAYERS NOT EXCEEDING 150mm IN DEPTH AND COMPACTED TO NOT LESS THAN 95% OF AS 1289.5.1.1 (STANDARD)

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD

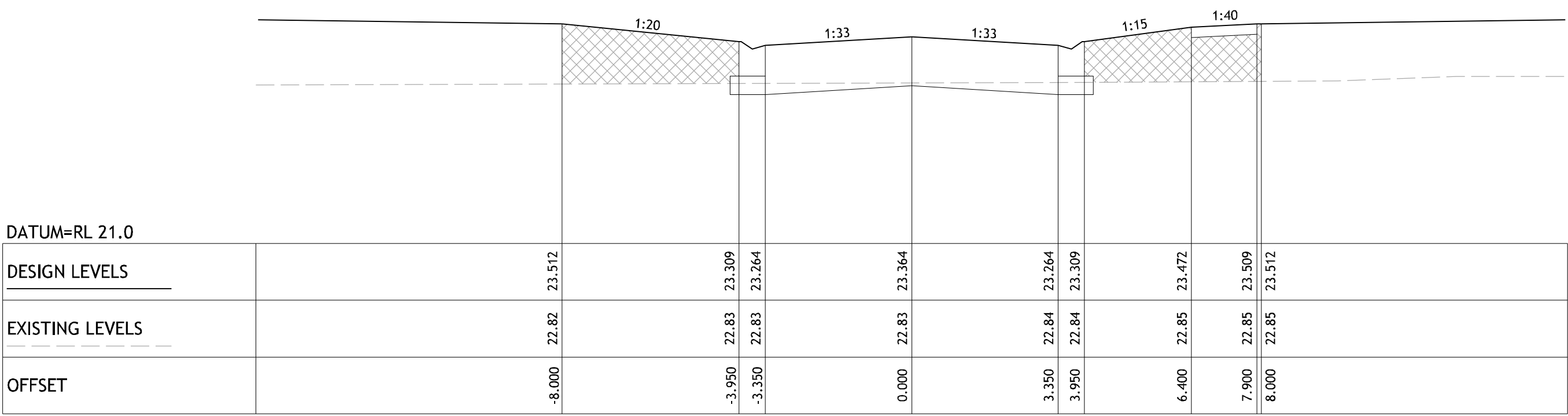


48 McBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

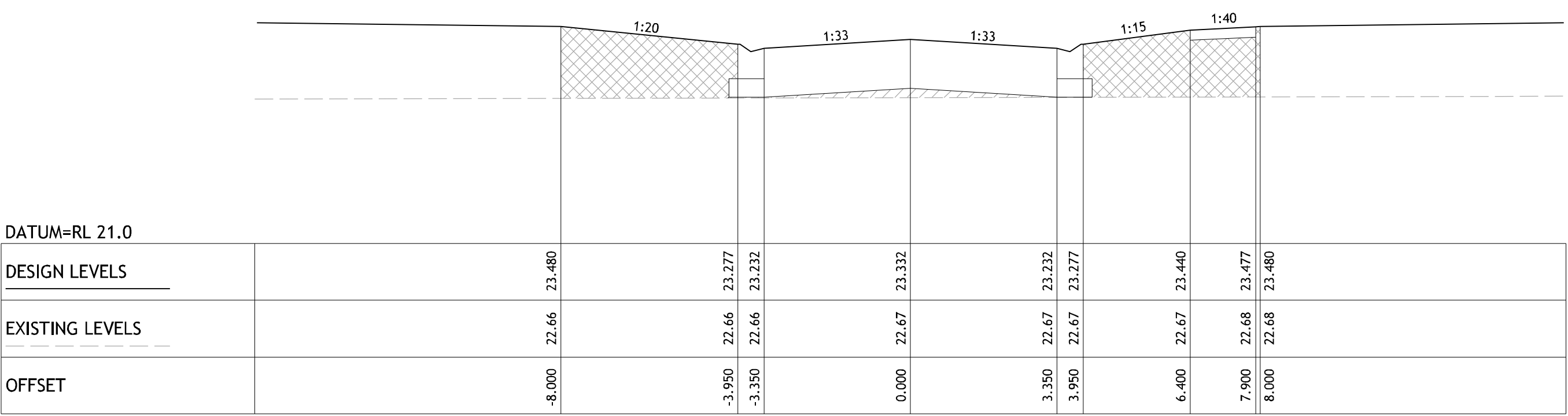
PLAN OF SUBDIVISION: PS838137Y	
SURVEY	NOBELIUS
DESIGN	M.BROSINAN
CHECKED	B.WILSON

© COPYRIGHT
BROSAN ENGINEERING
SOLUTIONS P / L HAS GRANTED
A LICENCE TO THE CLIENT TO
USE THIS DOCUMENT FOR THE
INTENDED PURPOSE. NO
UNAUTHORISED COPYING
IS PERMITTED

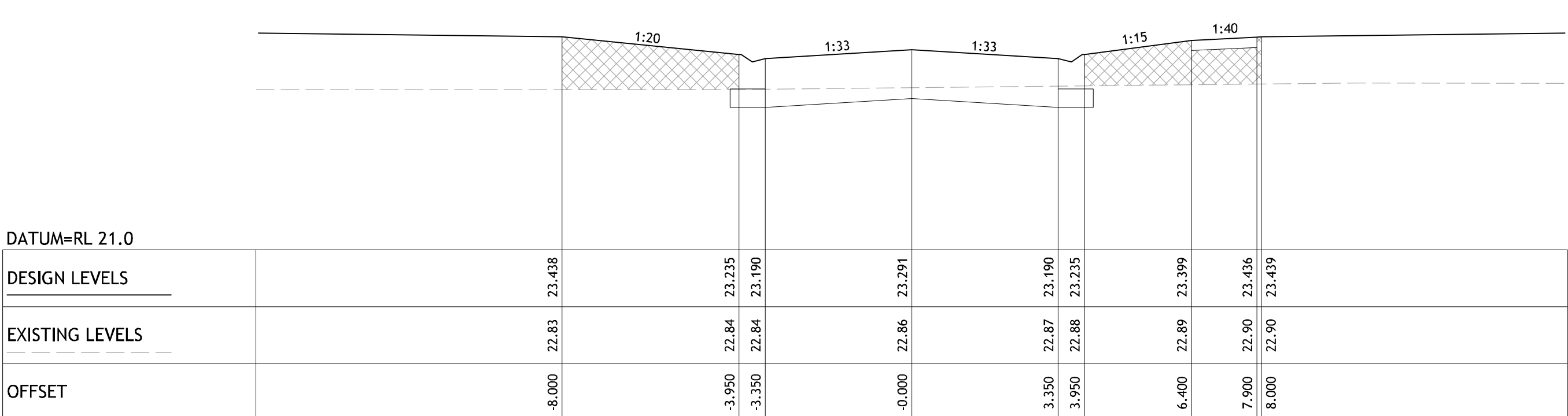
MUNICIPALITY:		BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV F
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 NORFOLK STREET CROSS SECTIONS		3122/ 9	
CLIENT:	THE BOULEVARDE PTY LTD		SHEET 9 OF 23	



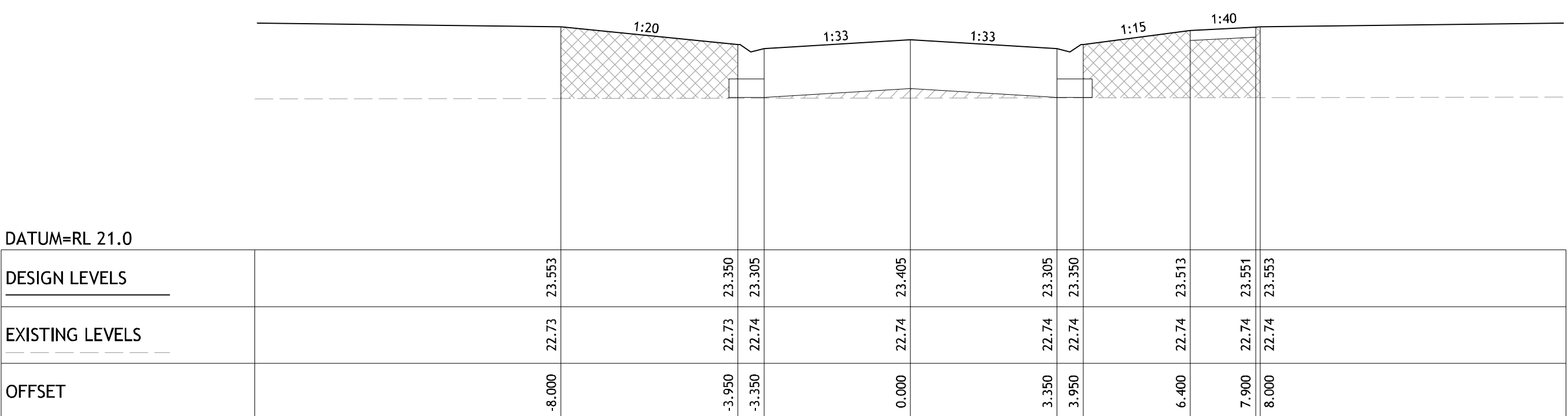
CHAINAGE 161.034



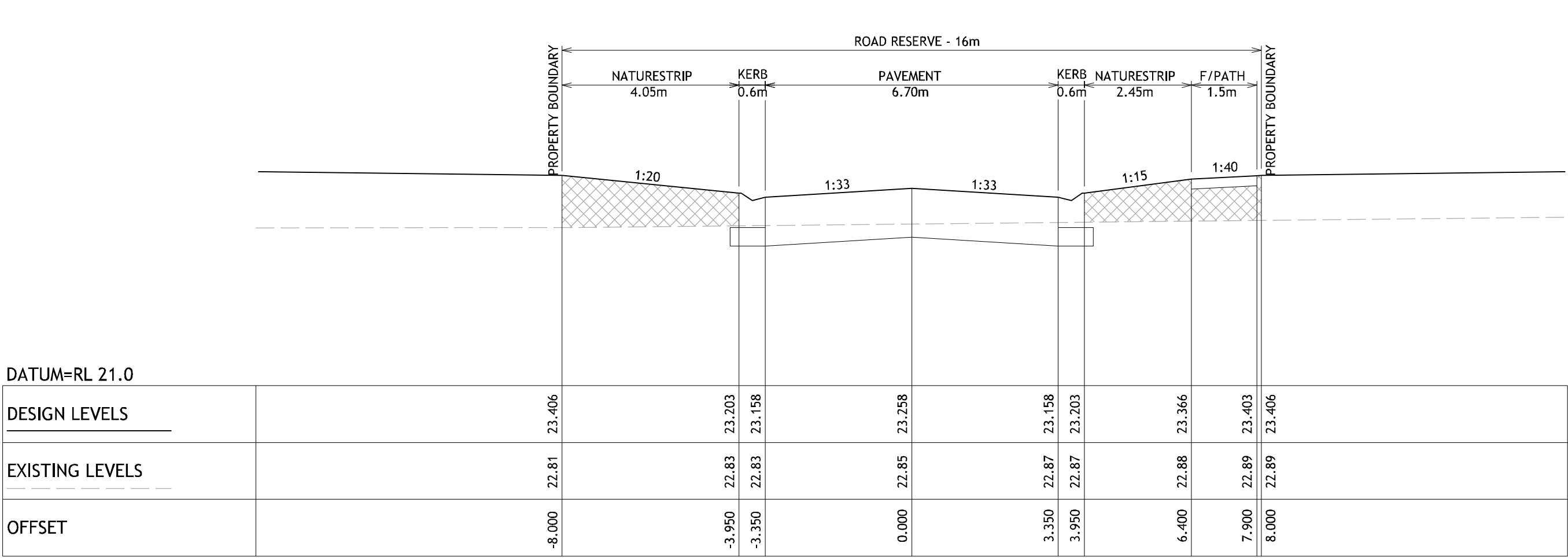
CHAINAGE 215.934



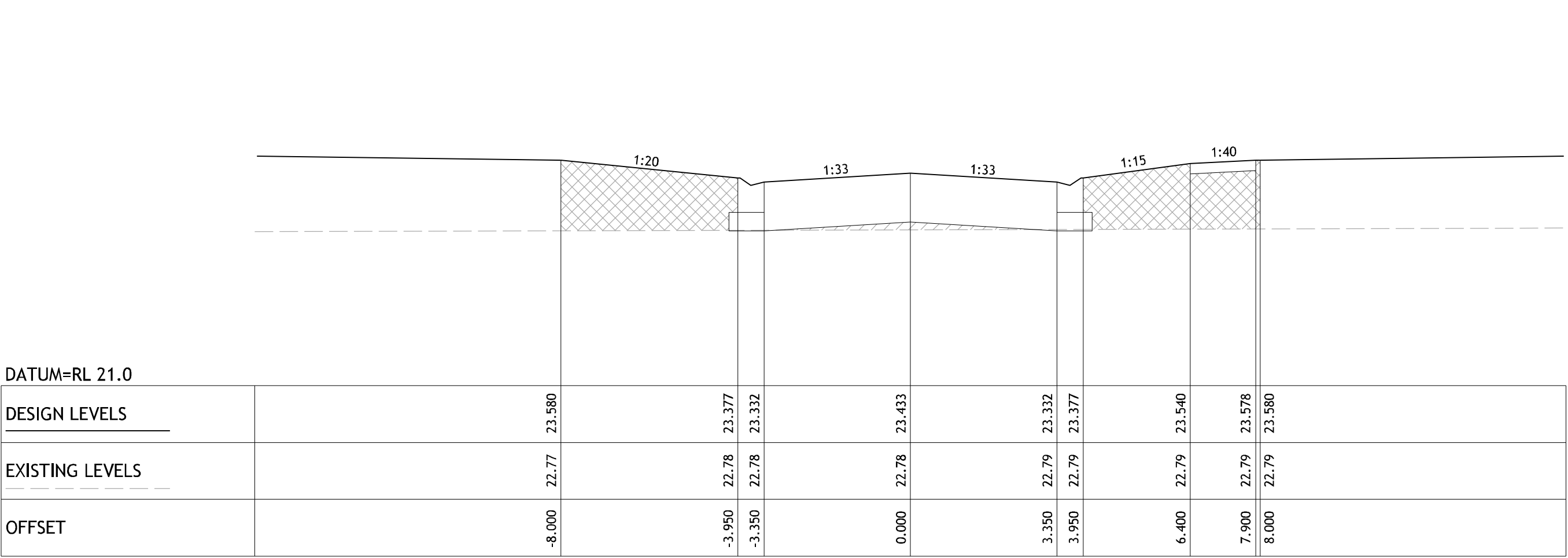
CHAINAGE 142.734



CHAINAGE 197.634



CHAINAGE 134.567

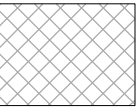


CHAINAGE 179.334

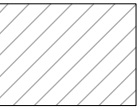
CROSS SECTIONS

NORFOLK STREET

SCALE 1:100 (H), 1:50 (V) (A1)

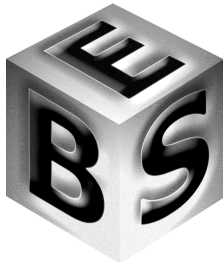


DENOTES SELECT FILL. FOR FILL DEPTHS GREATER THAN 300mm COMPACTION TO BE IN ACCORDANCE WITH NOTE 34 ON DRG No 3122/1



DENOTES SUITABLE CLEAN SITE-DERIVED MATERIAL PLACED IN LAYERS NOT EXCEEDING 150mm IN DEPTH AND COMPACTION TO NOT LESS THAN 95% OF AS 1289.5.1.1 (STANDARD)

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD

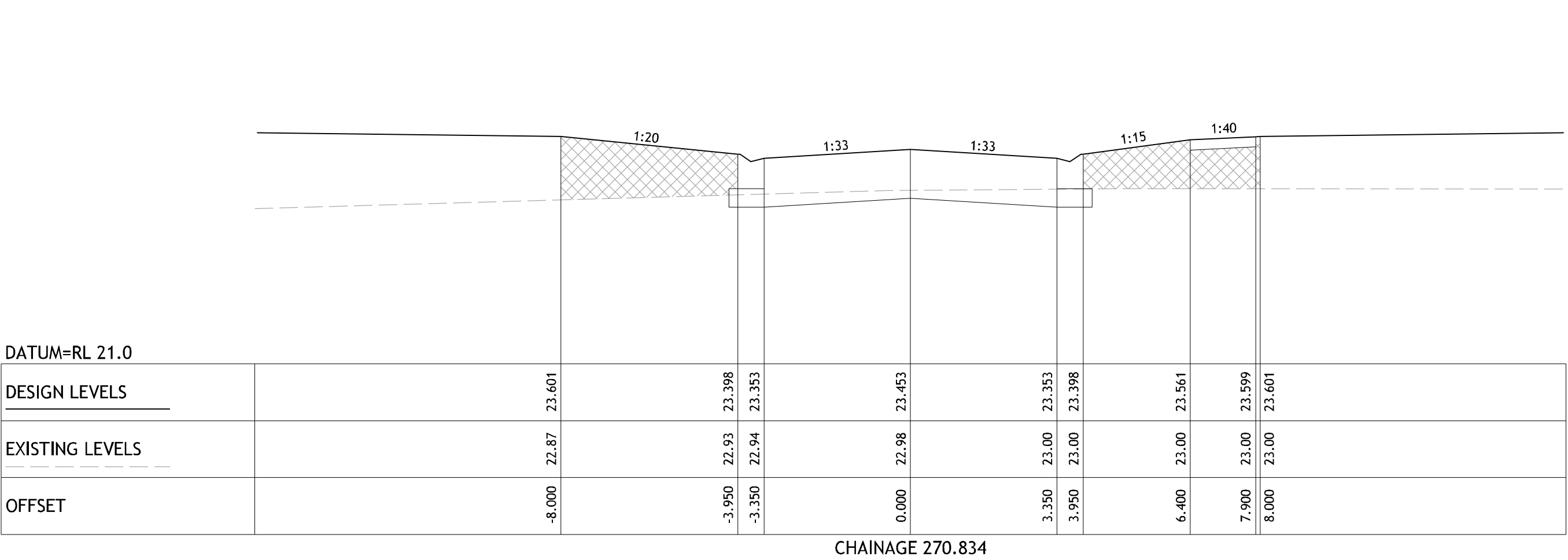
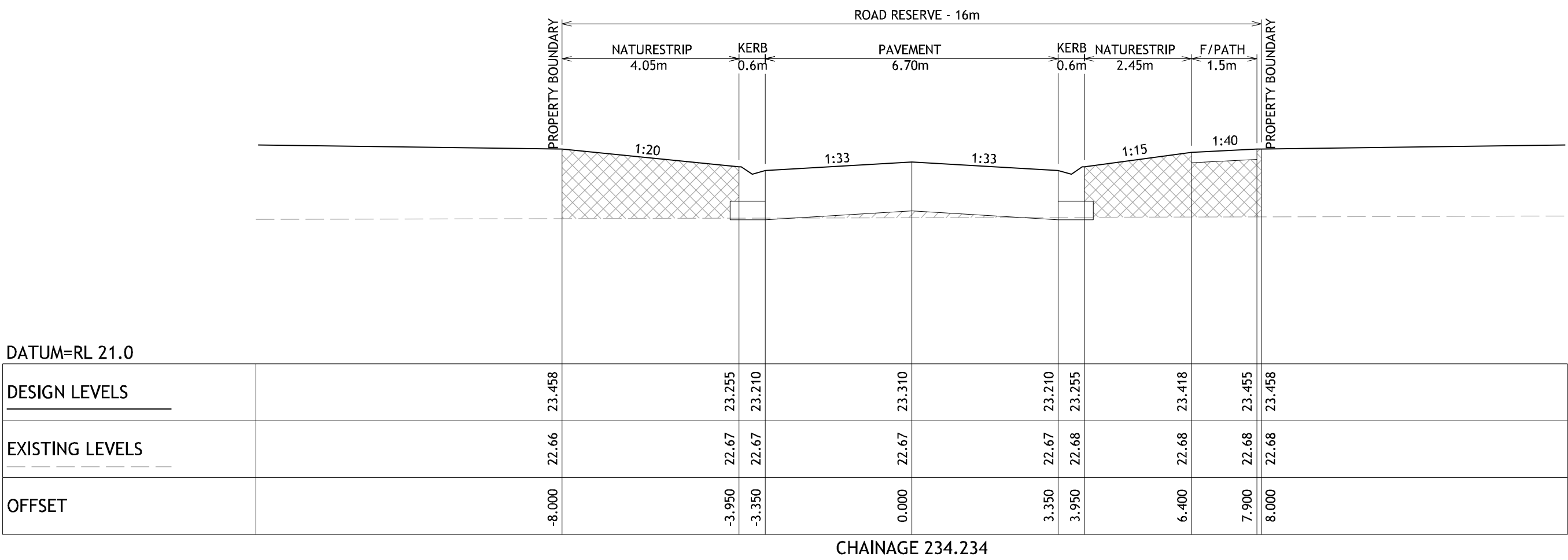
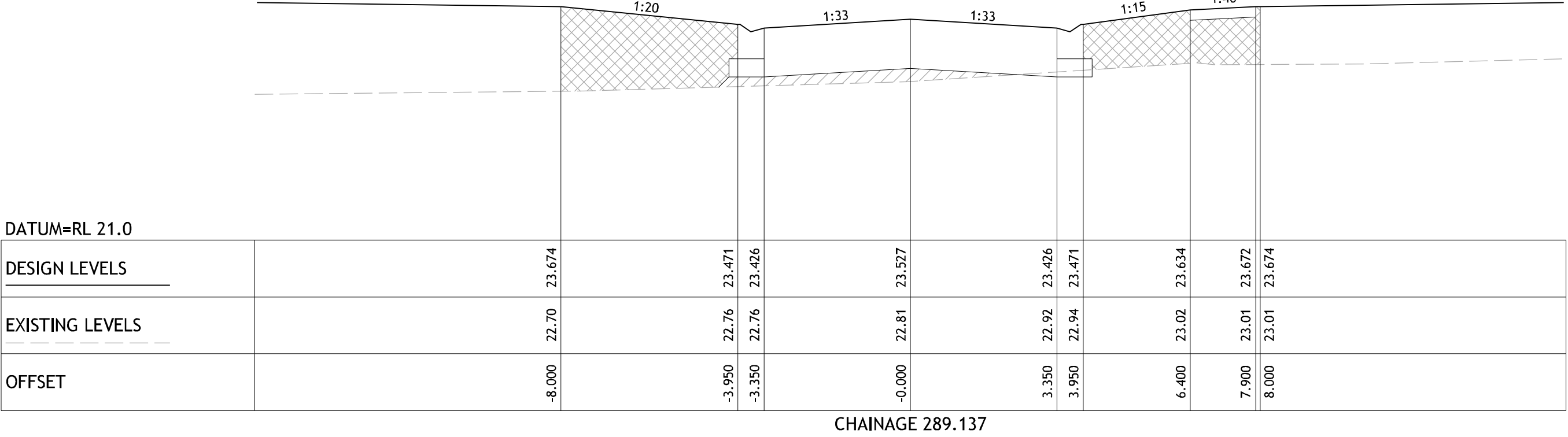
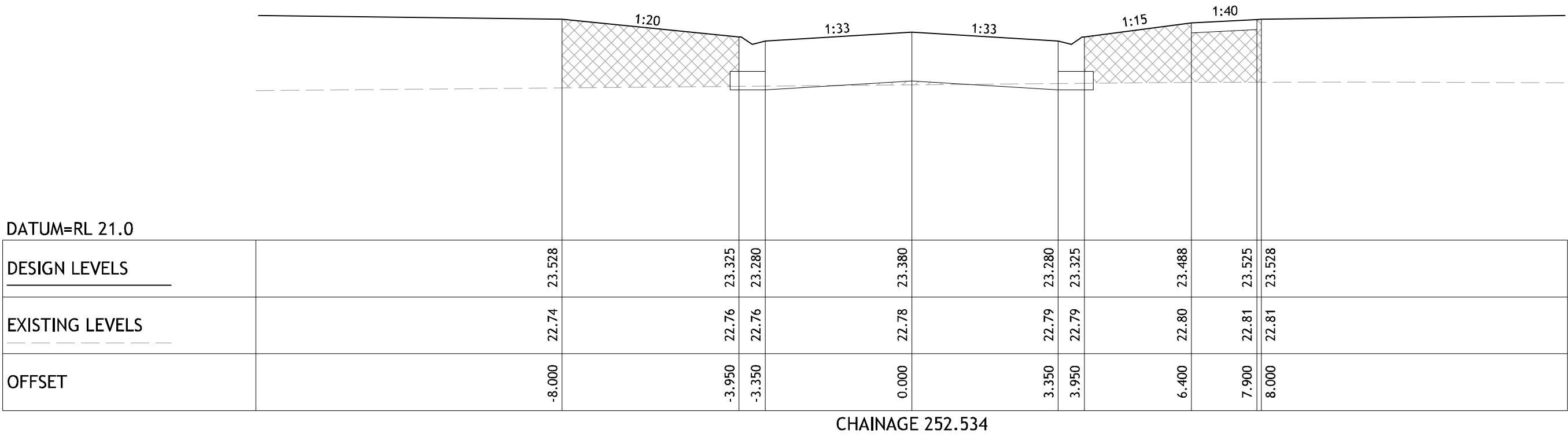


BROSAN ENGINEERING SOLUTIONS PTY LTD
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

PLAN OF SUBDIVISION:	PS838137Y
SURVEY	NOBELIUS
DESIGN	M.BROSAN
CHECKED	B.WILSON

© COPYRIGHT
BROSAN ENGINEERING SOLUTIONS P / L HAS GRANTED A LICENCE TO THE CLIENT TO USE THIS DOCUMENT FOR ITS INTENDED PURPOSE NO UNAUTHORISED COPYING IS PERMITTED

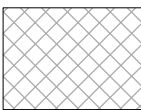
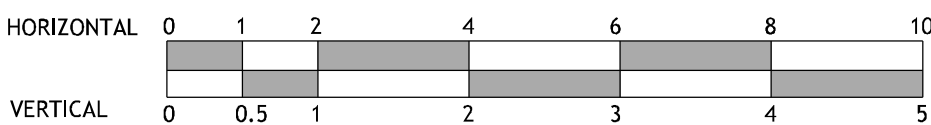
MUNICIPALITY:	BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 NORFOLK STREET CROSS SECTIONS	3122/ 10	F
CLIENT:	THE BOULEVARDE PTY LTD	SHEET 10 OF 23	



CROSS SECTIONS

NORFOLK STREET

SCALE 1:100 (H), 1:50 (V) (A1)

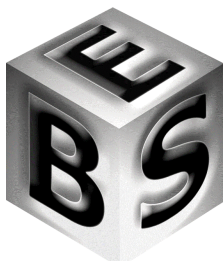


DENOTES SELECT FILL. FOR FILL DEPTHS GREATER THAN 300mm COMPACTION TO BE IN ACCORDANCE WITH NOTE 34 ON DRG No 3122/1



DENOTES SUITABLE CLEAN SITE-DERIVED MATERIAL PLACED IN LAYERS NOT EXCEEDING 150mm IN DEPTH AND COMPACTION TO NOT LESS THAN 95% OF A5 1289.5.1.1 (STANDARD)

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD

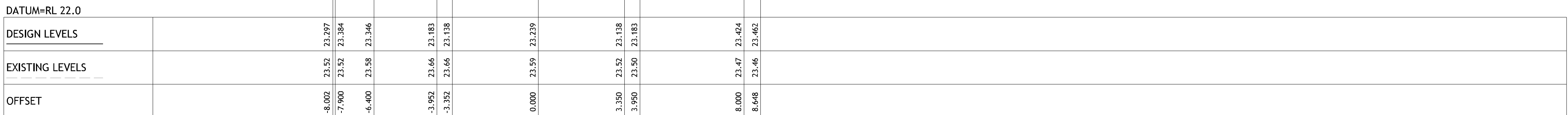
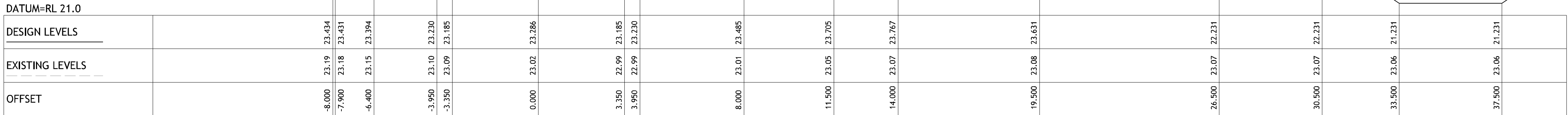
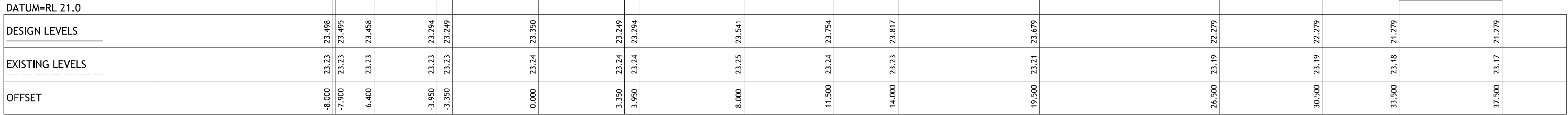


BROSNAN ENGINEERING SOLUTIONS PTY LTD
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

PLAN OF SUBDIVISION:	PS838137Y
SURVEY	NOBELIUS
DESIGN	M.BROSNAN
CHECKED	B.WILSON

© COPYRIGHT
BROSNAN ENGINEERING SOLUTIONS P / L HAS GRANTED A LICENCE TO THE CLIENT TO USE THIS DOCUMENT FOR ITS INTENDED PURPOSE. NO UNAUTHORIZED COPYING IS PERMITTED

MUNICIPALITY:	BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 NORFOLK STREET CROSS SECTIONS	3122/ 11	F
CLIENT:	THE BOULEVARDE PTY LTD	SHEET 11 OF 23	



TIDAL AVENUE
SCALE 1:100 (H), 1:50 (V) (A1)

4 6



 DENOTES SELECT FILL. FOR FILL DEPTHS GREATER THAN 300mm COMPACTION TO BE IN ACCORDANCE WITH NOT 34 ON DRG No 3122/1

 DENOTES SUITABLE CLEAN SITE-DERIVED MATERIAL PLACED IN LAYERS NOT EXCEEDING 150mm IN DEPTH AND COMPACTED TO NOT LESS THAN 95% OF AS 1289.5.1.1 (STANDARD)

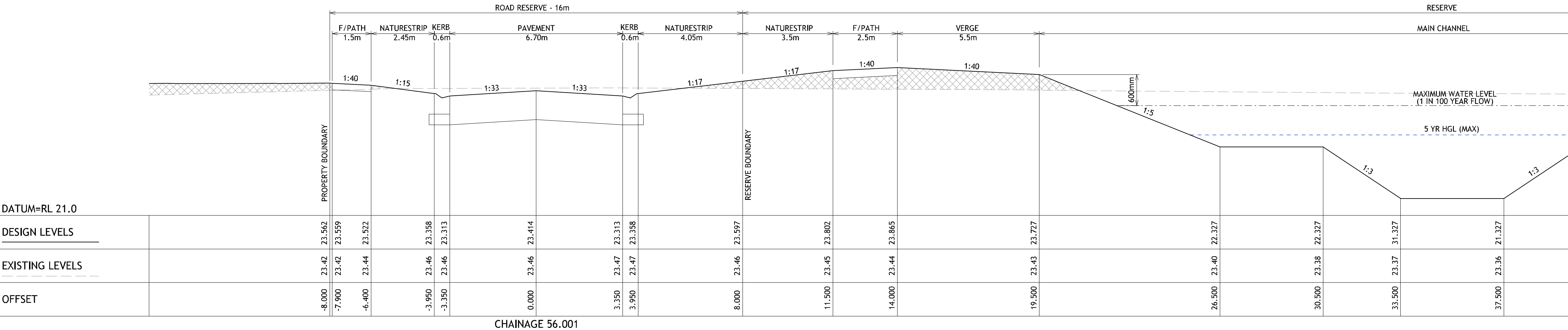
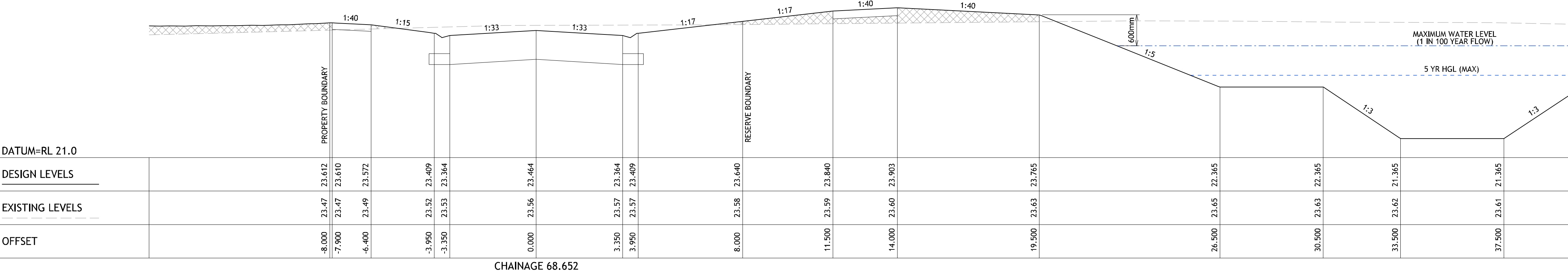
F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD



BROSAN ENGINEERING SOLUTIONS PTY LTD

48 McBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5272 F info@brosnan.com.au

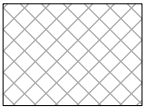
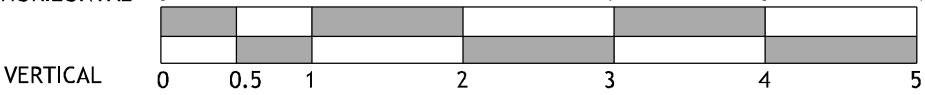
PLAN OF SUBDIVISION: P5838137Y	 COPYRIGHT BROSAN ENGINEERING SOLUTIONS PTY LTD HAS GRANTED A LICENCE TO THE CLIENT TO USE THIS DOCUMENT FOR ITS INTENDED PURPOSE. NO UNAUTHORISED COPYING IS PERMITTED	MUNICIPALITY: BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5
SURVEY NOBELIUS	 COPYRIGHT BROSAN ENGINEERING SOLUTIONS PTY LTD HAS GRANTED A LICENCE TO THE CLIENT TO USE THIS DOCUMENT FOR ITS INTENDED PURPOSE. NO UNAUTHORISED COPYING IS PERMITTED	SCHEME 'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 TIDAL AVENUE CROSS SECTIONS	3122/ 12
DESIGN M.BROSAN		CLIENT: THE BOULEVARDE PTY LTD	SHEET 12 OF 23
CHECKED B.WILSON			F



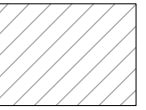
CROSS SECTIONS

TIDAL AVENUE

SCALE 1:100 (H), 1:50 (V) (A1)

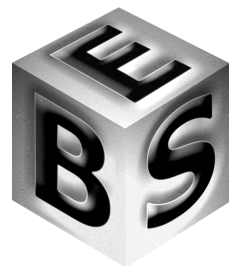


DENOTES SELECT FILL. FOR FILL DEPTHS GREATER THAN 300mm COMPACTION TO BE IN ACCORDANCE WITH NOTE 34 ON DRG No 3122/1



DENOTES SUITABLE CLEAN SITE-DERIVED MATERIAL PLACED IN LAYERS NOT EXCEEDING 150mm IN DEPTH AND COMPACTION TO NOT LESS THAN 95% OF AS 1289.5.1.1 (STANDARD)

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD

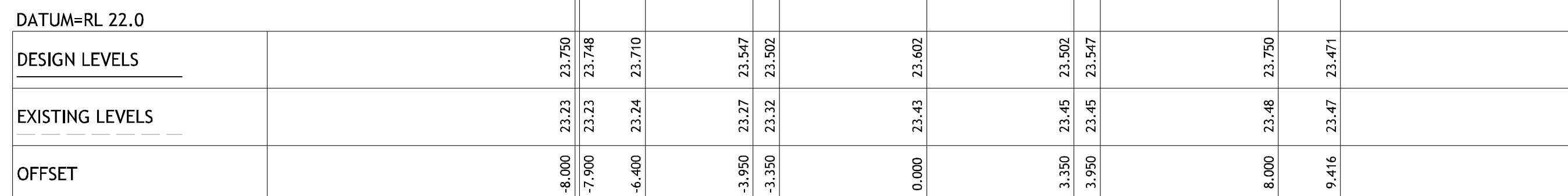


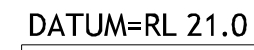
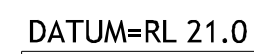
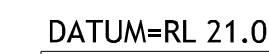
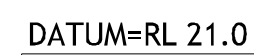
BROSAN ENGINEERING SOLUTIONS PTY LTD
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

PLAN OF SUBDIVISION:	PS838137Y
SURVEY	NOBELIUS
DESIGN	M.BROSAN
CHECKED	B.WILSON

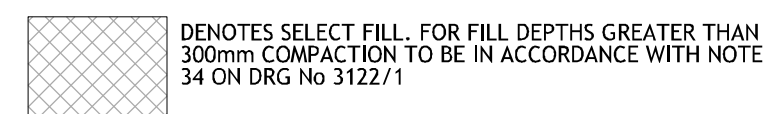
© COPYRIGHT
BROSAN ENGINEERING SOLUTIONS PTY LTD HAS GRANTED A LICENCE TO THE CLIENT TO USE THIS DOCUMENT FOR ITS INTENDED PURPOSE. NO UNAUTHORIZED COPYING IS PERMITTED.

MUNICIPALITY:	BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 TIDAL AVENUE CROSS SECTIONS	3122/ 13	F
CLIENT:	THE BOULEVARDE PTY LTD	SHEET 13 OF 23	

[illegible][illegible][illegible][illegible][illegible]REV
F

CHAINAGE 183.522CHAINAGE 165.222CHAINAGE 220.125CHAINAGE 146.922CHAINAGE 201.822

CROSS SECTIONS
SANDBAR STREET
SCALE 1:100 (H), 1:50 (V) (A1)



 DENOTES SUITABLE CLEAN SITE-DERIVED MATERIAL PLACED IN LAYERS NOT EXCEEDING 150mm IN DEPTH AND COMPACTED TO NOT LESS THAN 95% OF AS 1289.5.1.1 (STANDARD)



48 McBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

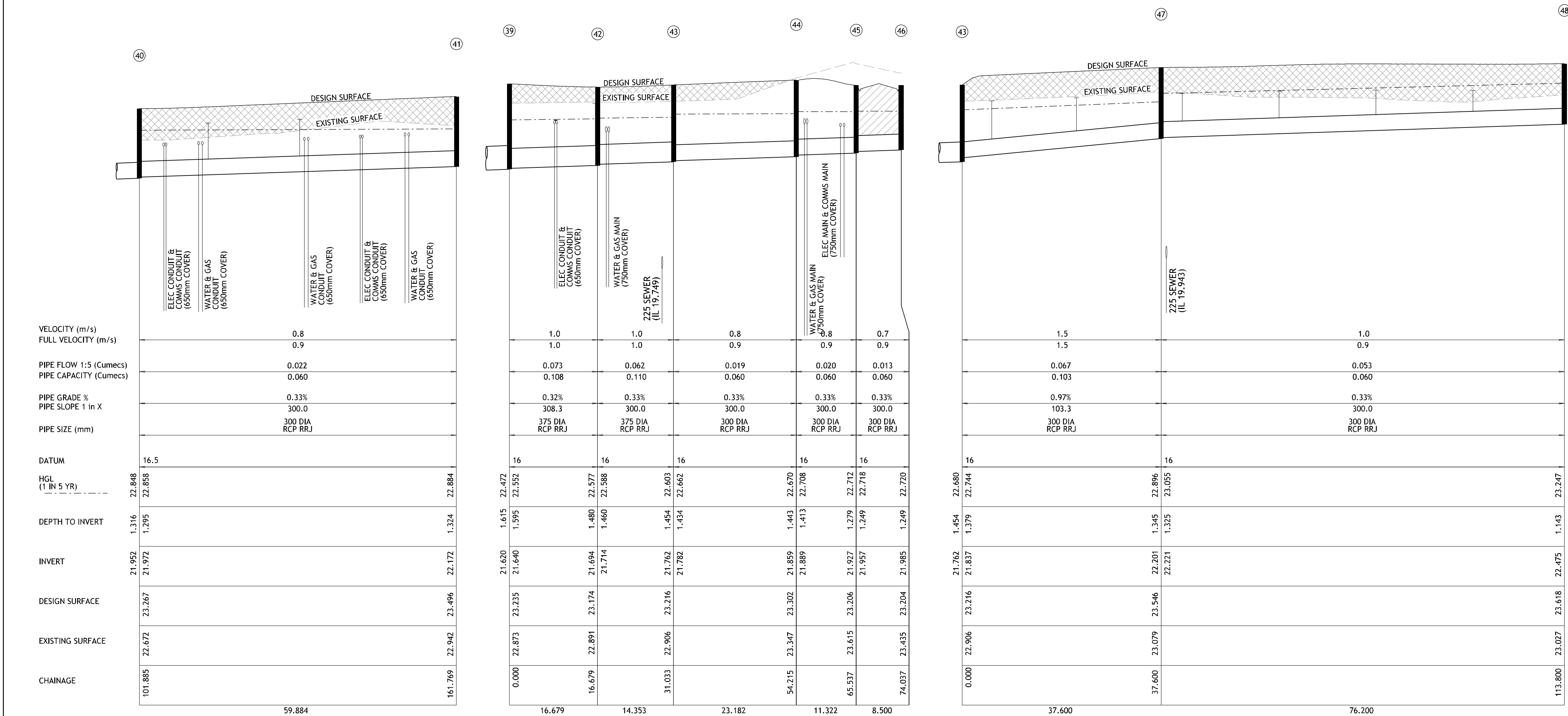
© COPYRIGHT
BROSAN ENGINEERING
SOLUTIONS P / L HAS GRANT
A LICENCE TO THE CLIENT TO
USE THIS DOCUMENT FOR ITS
INTENDED PURPOSE NO
UNAUTHORISED COPYING
IS PERMITTED

BASS COAST SHIRE COUNCIL

F

3122/ 15

SHEET 15 OF 23



DRAINAGE LONGITUDINAL SECTIONS

SCALE 1:500(H), 1:50(V) @ A1

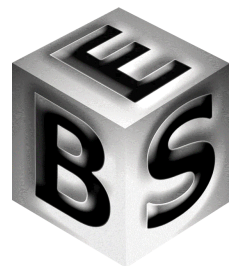
HORIZONTAL 1:500

VERTICAL 1:50

DENOTES SELECT FILL, FOR FILL DEPTHS GREATER THAN 300mm COMPACTION TO BE IN ACCORDANCE WITH NOTE 34 ON DRG No 3122/1

DENOTES CRUSHED ROCK BACKFILL COMPACTION TO NOT LESS THAN 95% OF AS 1289.5.2.1 (MODIFIED)

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD

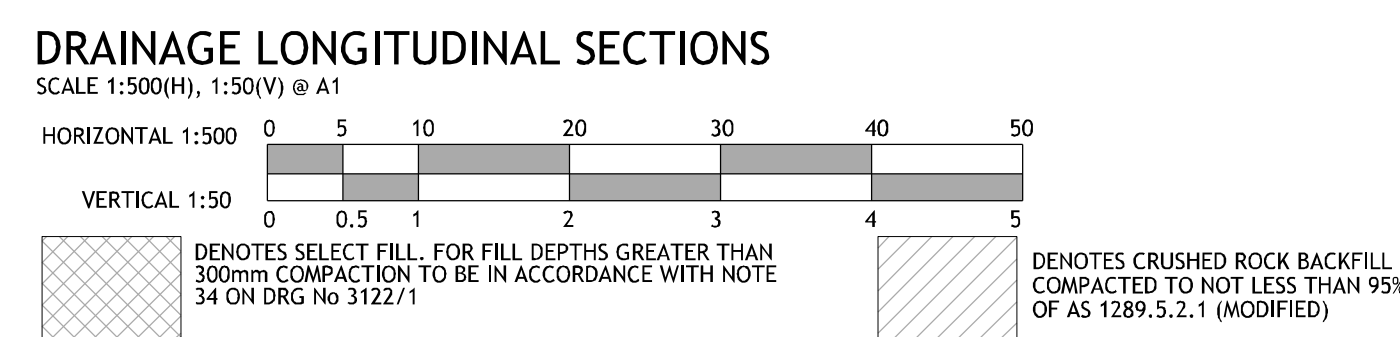


BROSAN ENGINEERING SOLUTIONS PTY LTD
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

PLAN OF SUBDIVISION:	PS838137Y
SURVEY	NOBELIUS
DESIGN	M.BROSAN
CHECKED	B.WILSON

© COPYRIGHT
BROSAN ENGINEERING SOLUTIONS P/L HAS GRANTED A LICENCE TO THE CLIENT TO USE THIS DOCUMENT FOR ITS INTENDED PURPOSE. NO UNAUTHORISED COPYING IS PERMITTED

MUNICIPALITY:	BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 DRAINAGE LONGITUDINAL SECTIONS	3122/ 17	F
CLIENT:	THE BOULEVARDE PTY LTD	SHEET 17 OF 23	



F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD

BROSAN ENGINEERING SOLUTIONS PTY LTD

48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

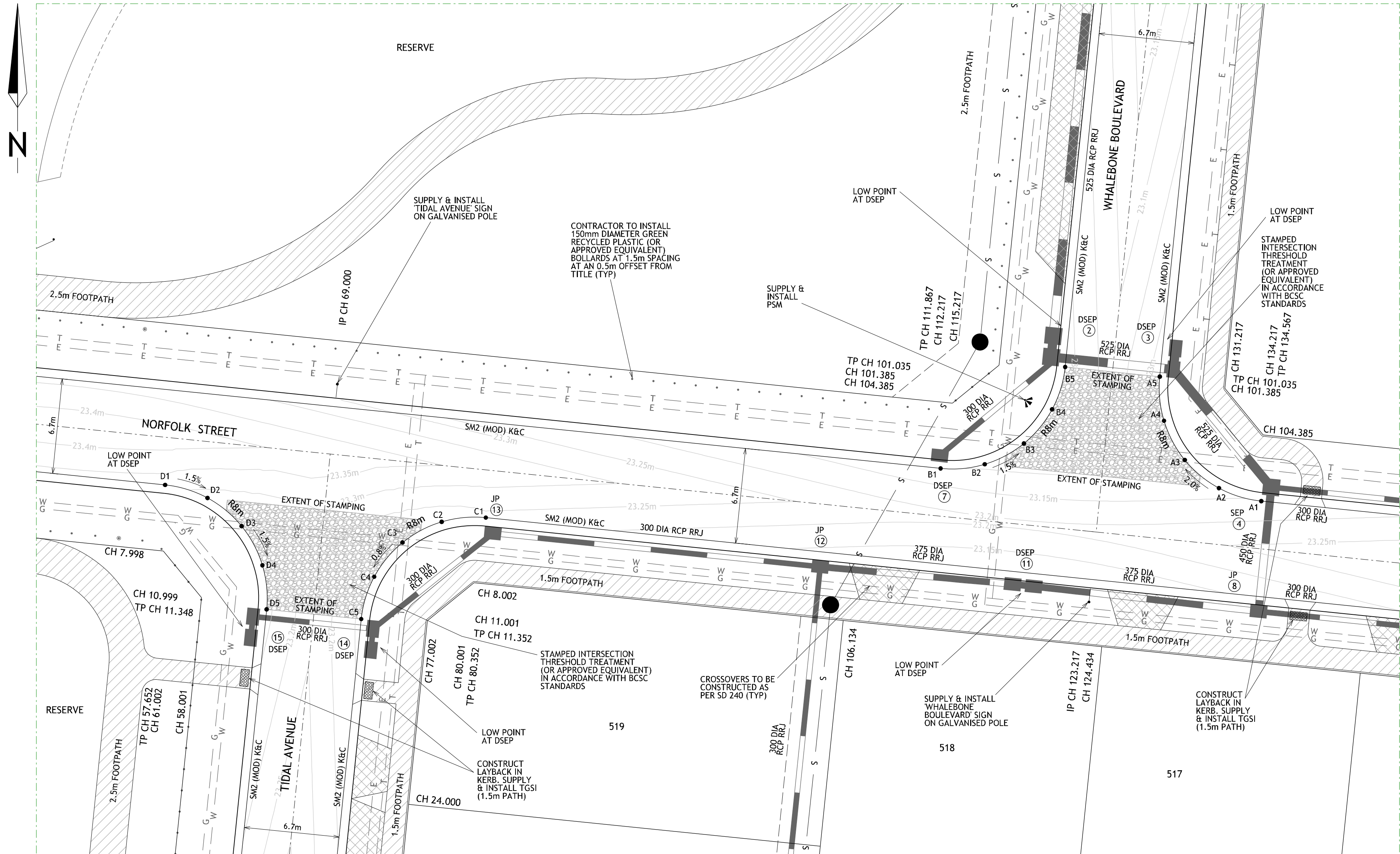
PLAN OF SUBDIVISION: PSB38137Y		© COPYRIGHT BROSAN ENGINEERING SOLUTIONS PTY LTD HAS GRANTED A LICENCE TO THE CLIENT TO USE THIS DOCUMENT FOR ITS INTENDED PURPOSE NO UNAUTHORISED COPYING IS PERMITTED	MUNICIPALITY: BASS COAST SHIRE COUNCIL		BES REFERENCE: 1129-5	REV F
SURVEY	NOBELIUS		SCHEME 'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 DRAINAGE LONGITUDINAL SECTIONS		3122/ 18	
DESIGN	M.BROSAN		CLIENT: THE BOULEVARDE PTY LTD		SHEET 18 OF 23	
CHECKED	B. WILSON					



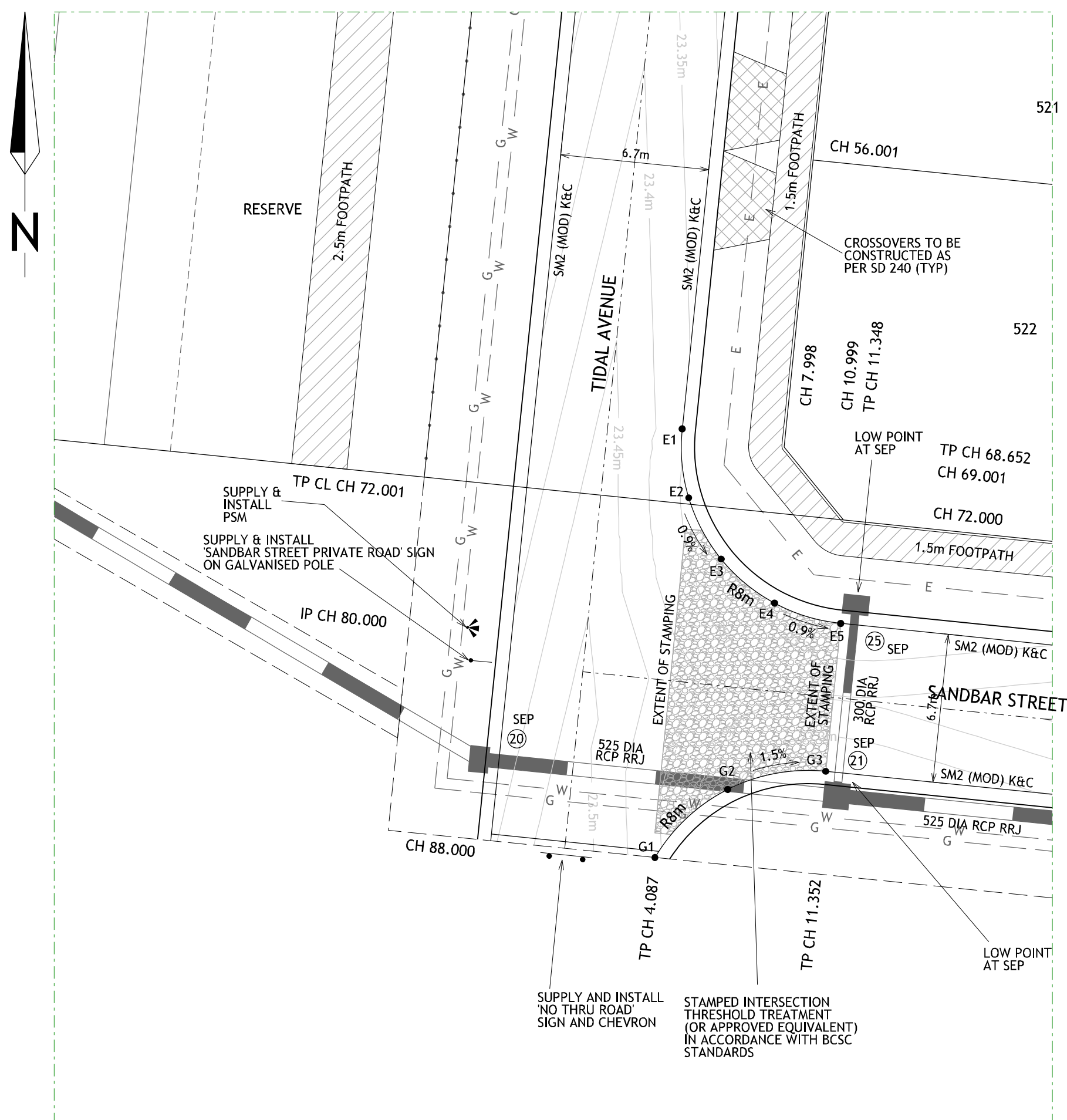
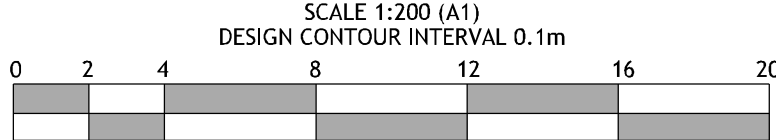
DENOTES CRUSHED ROCK BACKFILL
COMPACTED TO NOT LESS THAN 95%
OF AS 1289.5.2.1 (MODIFIED)

NOTE: -PIT COVER LEVELS ARE APPROXIMATE ONLY. COVERS SHALL BE SET TO SUIT FINISHED SURFACE LEVELS
- PIT DIMENSIONS ARE INTERNAL

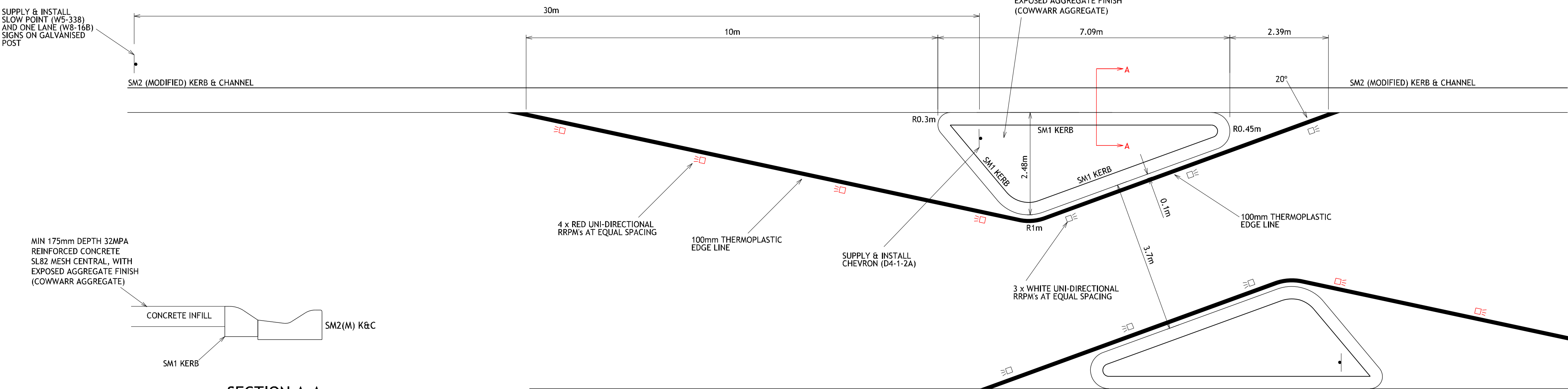
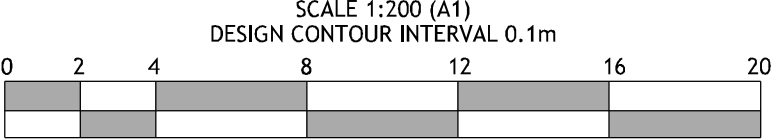
BES REFERENCE: 1129-5	REV
3122/ 19	F
SHEET 19 OF 23	



INTERSECTION DETAIL



ROAD BEND DETAIL



SECTION A-A
NOT TO SCALE

CO-ORDINATE SETOUT DETAIL
(LIP OF KERB)

POINT	EASTING	NORTHING	RL
A1	379058.312	5726138.564	23.158
A2	379055.328	5726139.481	23.122
A3	379052.922	5726141.469	23.060
A4	379051.460	5726144.227	23.003
A5	379051.165	5726147.335	22.979
B1	379035.729	5726140.868	23.114
B2	379038.836	5726141.163	23.088
B3	379041.594	5726142.625	23.041
B4	379043.583	5726145.031	22.996
B5	379044.499	5726148.015	22.980
C1	379003.696	5726137.402	23.236
C2	379000.588	5726137.107	23.212
C3	378997.830	5726135.645	23.187
C4	378995.841	5726133.238	23.163
C5	378994.925	5726130.254	23.138
D1	378981.113	5726139.706	23.326
D2	378984.096	5726138.790	23.279
D3	378986.502	5726136.802	23.232
D4	378987.964	5726134.045	23.185
D5	378988.260	5726130.938	23.138

CO-ORDINATE SETOUT DETAIL
(CENTRELINE/LIP OF KERB)

POINT	EASTING	NORTHING	RL
E1	378989.118	5726073.246	23.364
E2	378989.413	5726070.139	23.336
E3	378990.875	5726067.381	23.309
E4	378993.280	5726065.393	23.281
E5	378996.263	5726064.476	23.253
G1	378987.889	5726053.924	23.403
G2	378991.170	5726056.995	23.323
G3	378995.588	5726057.813	23.253

CHICANE DETAIL

PLAN OF SUBDIVISION
PS838137Y

SURVEY	NOBELIUS
DESIGN	M.BROSAN
CHECKED	B.WILSON

© COPYRIGHT
BROSAN ENGINEERING
SOLUTIONS PTY LTD
A LICENSE TO THE CLIENT TO
USE THIS DOCUMENT FOR ITS
INTENDED PURPOSE NO
UNAUTHORISED COPYING
IS PERMITTED

MUNICIPALITY:

BASS COAST SHIRE COUNCIL

SCHEME

'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5
INTERSECTION DETAILS

CLIENT:

THE BOULEVARDE PTY LTD

BES REFERENCE: 1129-5

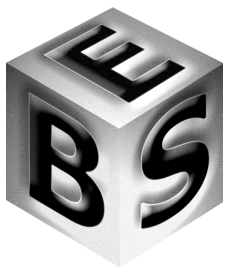
3122/ 20

SHEET 20 OF 23

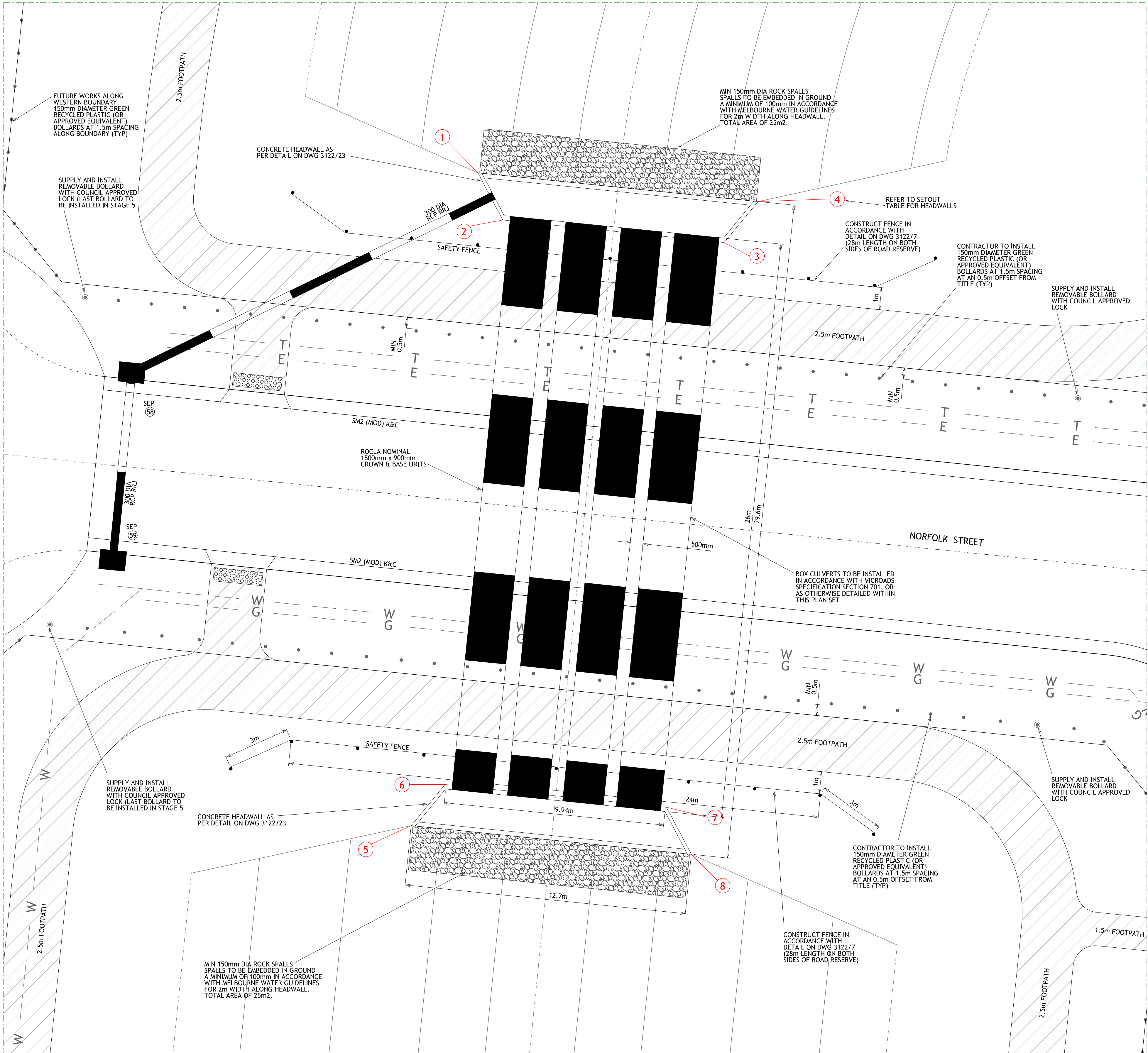
REV

F

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD



**BROSAN ENGINEERING
SOLUTIONS PTY LTD**
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

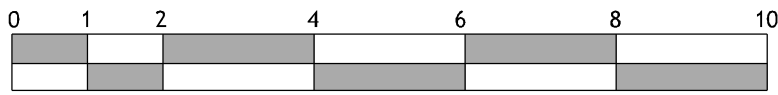


HEADWALL COORDINATE SETOUT TABLE

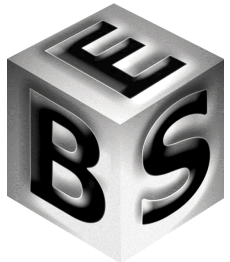
POINT	EASTING	NORTHING	RL	POINT TYPE
1	379605.59	5724548.08	22.02	TOP OF HEADWALL
2	379606.72	5724545.95	22.51	TOP OF HEADWALL
3	379616.70	5724544.93	22.51	TOP OF HEADWALL
4	379618.23	5724546.79	22.02	TOP OF HEADWALL
5	379602.59	5724518.63	22.10	TOP OF HEADWALL
6	379604.12	5724520.49	22.59	TOP OF HEADWALL
7	379614.10	5724519.47	22.59	TOP OF HEADWALL
8	379615.22	5724517.34	22.10	TOP OF HEADWALL

CULVERT CROSSING DETAIL PLAN

SCALE 1:100 (A1)



F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD



BROSAN ENGINEERING SOLUTIONS PTY LTD
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

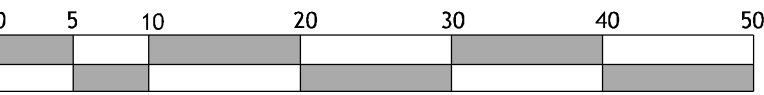
PLAN OF SUBDIVISION:	PS838137Y
SURVEY	NOBELIUS
DESIGN	M.BROSAN
CHECKED	B.WILSON

© COPYRIGHT
BROSAN ENGINEERING SOLUTIONS P / L HAS GRANTED A LICENCE TO THE CLIENT TO USE THIS DOCUMENT FOR ITS INTENDED PURPOSE NO UNAUTHORISED COPYING IS PERMITTED

MUNICIPALITY:	BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 CULVERT CROSSING DETAIL PLAN	3122/ 21	F
CLIENT:	THE BOULEVARDE PTY LTD	SHEET 21 OF 23	



ROAD SIGNAGE AND MARKINGS PLAN
SCALE 1:500 (A1)



DENOTE LOCATION OF AUSNET STREET LIGHTS
(SUBJECT TO CONFIRMATION)

WARNING
BEWARE 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

F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD



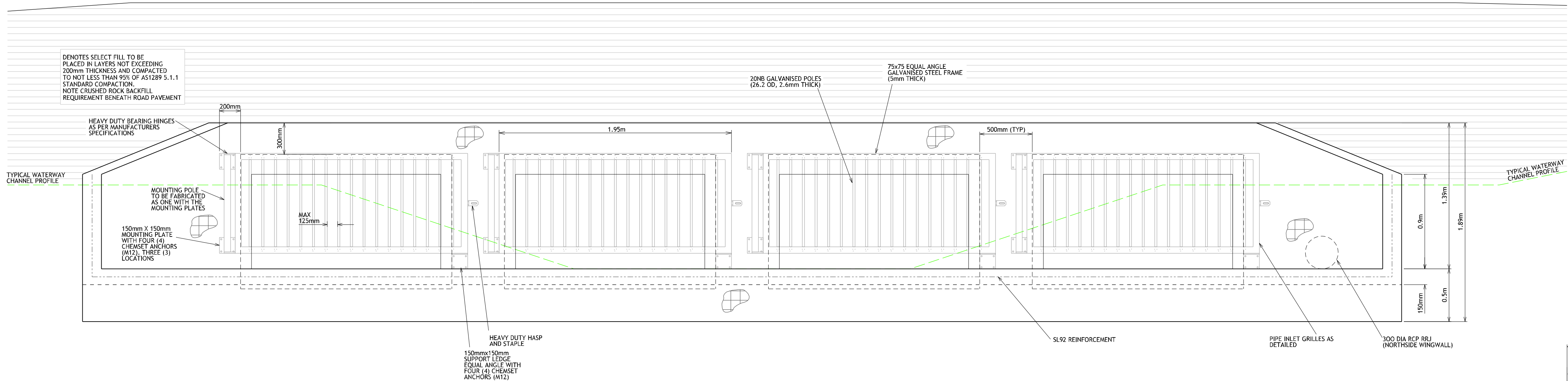
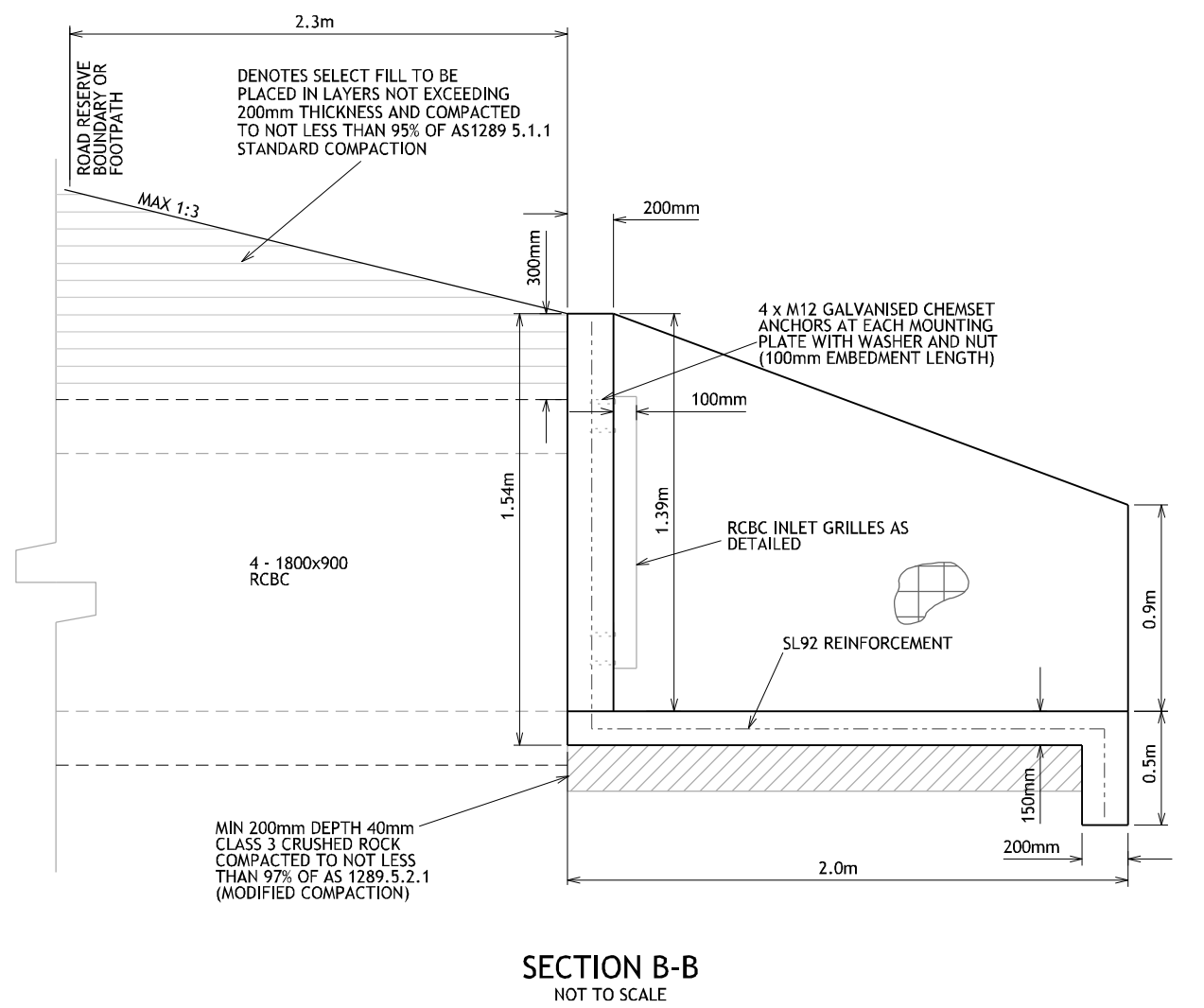
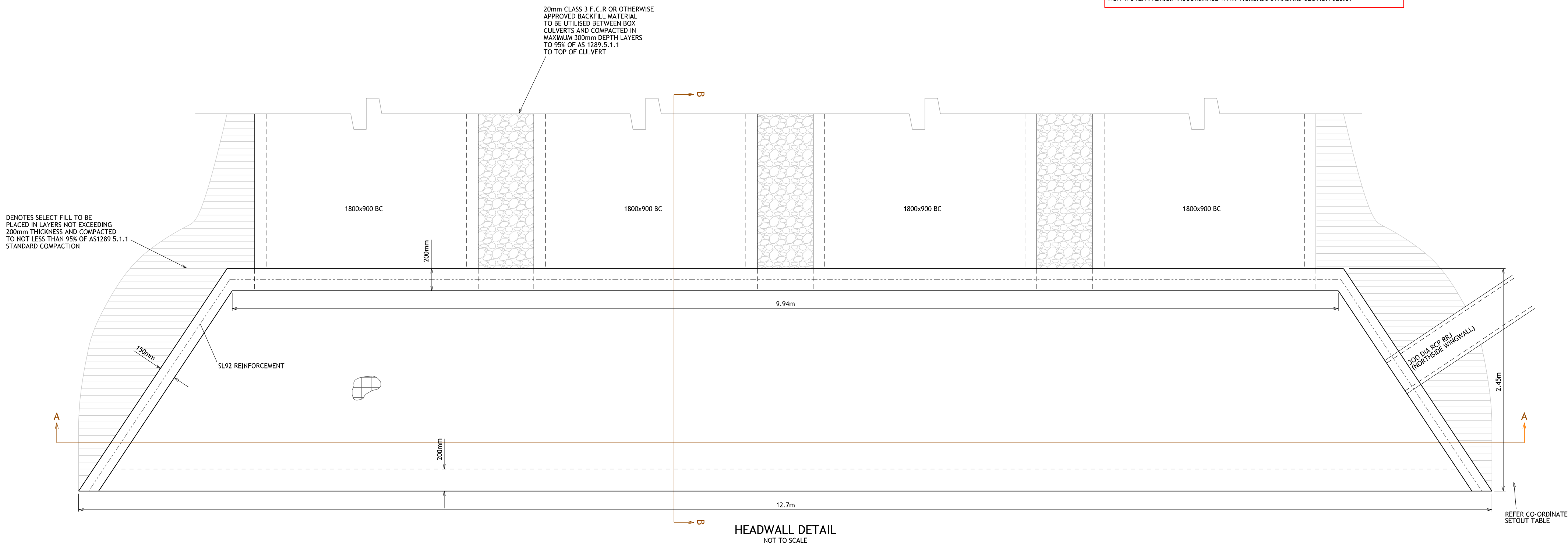
**BROSNAN ENGINEERING
SOLUTIONS PTY LTD**
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

PLAN OF SUBDIVISION: P5838137Y	
SURVEY	NOBELIUS
DESIGN	M.BROSNAN
CHECKED	B.WILSON

© COPYRIGHT
BROSNAN ENGINEERING
SOLUTIONS PTY LTD HAS GRANTED
A LICENCE TO THE CLIENT TO
USE THIS DOCUMENT FOR ITS
INTENDED PURPOSE. NO
UNAUTHORISED COPYING
IS PERMITTED

MUNICIPALITY:	BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 ROAD SIGNAGE AND MARKINGS PLAN	3122/ 22	F
CLIENT:	THE BOULEVARDE PTY LTD	SHEET 22 OF 23	

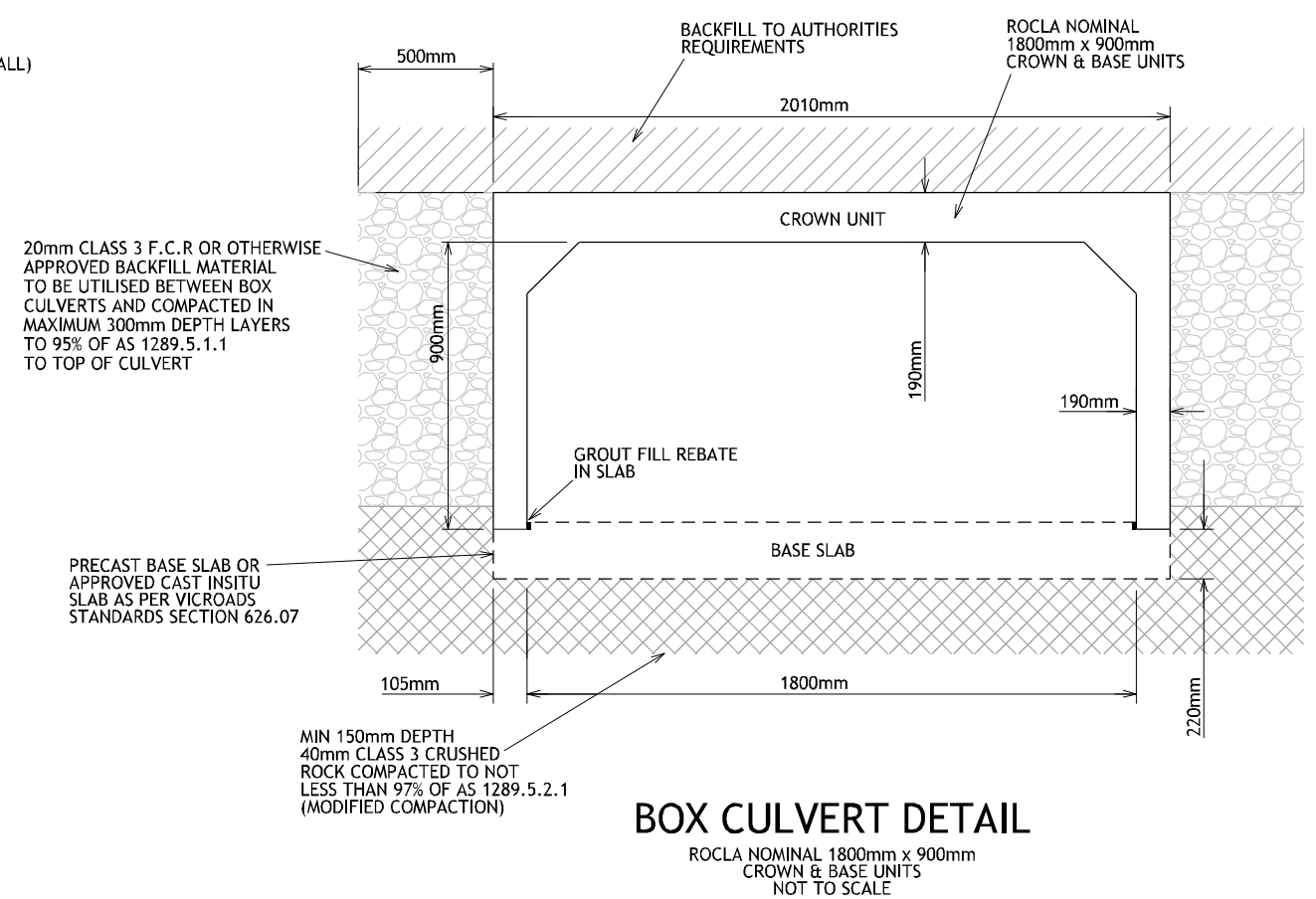
NOTE
ALL INTERNAL BUTT JOINTS BETWEEN BOX CULVERT SECTIONS (TOP, BOTTOM AND SIDES) ARE TO BE MORTARED IN ACCORDANCE WITH VICROADS STANDARDS SECTION 610.
EXTERNAL JOINTS (TOP AND SIDES) ARE TO BE SEALED WITH A MINIMUM 150mm WIDE SYNTHETIC NON-WOVEN FABRIC IN ACCORDANCE WITH VICROADS STANDARD SECTION 626.09



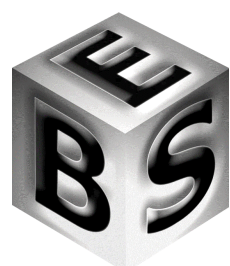
NOTES:

- REINFORCEMENT, SL92 UNLESS OTHERWISE SPECIFIED, SHALL BE CONTINUOUS AROUND CORNERS AND LOCATED AS SHOWN. CLEAR COVER 50 MIN. CORNER REINFORCEMENT MAY BE FABRIC OR EQUIVALENT BARS
- DISTRIBUTION BARS 12 DIA AT 200 CENTRES.
- CONCRETE STRENGTH 32 MPa.
- COMPACTION PRESSURE BEHIND WALLS NOT TO EXCEED 15 MPa. (1.5 TONNE VIBRATORY ROLLER OR 300 kg VIBRATING PLATE WITHIN 0.5m OF WALL).
- WORKMANSHIP AND MATERIALS TO COMPLY WITH AS4100, AS/NZS4600, AS/NZS1554.
- PROVIDE STEEL IN ACCORDANCE WITH AS/NZS3678 OR AS/NZS3679 GRADE 250 MINIMUM.
- CARRY OUT WELDING TO AS/NZS1554: ALL INTERFACES BETWEEN STEEL SECTIONS TO BE CONNECTED WITH 6mm CONTINUOUS FILLET WELDS ALL ROUND, BOTH SIDES UNO. WELDS TO BE CATEGORY (DP), ELECTRODES TO BE LOW CARBON CLASSIFICATION E48XX, PRE-APPROVED TO AS/NZS1554.
- ALL PIPE GRILLS AND STEELWORK TO BE HOT DIP GALVANIZED. APPLY THE GALVANIZED COATING TO AS/NZS315.2, TABLE 2.2 SYSTEM H3080E, WITH A MINIMUM THICKNESS OF 125 MICRON OR THE EQUIVALENT MASS OF 900 G/M². REPAIR DAMAGED GALVANIZING IN ACCORDANCE WITH AS/NZS 4688, SECTION 8, BY APPLYING A ZINC-RICH EPOXY COATING USING A SUFFICIENT NUMBER OF APPLICATIONS TO ACHIEVE A TOTAL DFT OF 150 MICRON. (WITHIN 4 HOURS) TO THE PREPARED SURFACE, BY BRUSH OR SPRAY IN ACCORDANCE WITH THE COATING MANUFACTURER'S RECOMMENDATIONS.
- ALL NUTS, BOLTS AND WASHERS TO BE GALVANIZED TO AS 4714 HOT-DIP GALVANIZED COATINGS ON TREADED FASTENERS (ISO METRIC COARSE THREAD SERIES).
- FOR PIT WIDTH OUTSIDE THE RANGE PROVIDED IN THIS DRAWING, THE PIPE GRILL TO BE DESIGNED BY A QUALIFIED STRUCTURAL ENGINEER.
- MECHANICAL ANCHORS SHALL NOT BE USED IN LIEU OF CHEMICAL ANCHORS WITHOUT PRIOR APPROVAL FROM BASS COAST SHIRE COUNCIL.

DENOTES REINFORCEMENT THROUGHOUT WALL/BASE



F	03/03/2021	AMENDMENTS AS PER B.C.S.C REQUEST	BW
E	12/01/22	AMENDMENTS AS PER B.C.S.C REQUEST	BW
D	22/10/21	PLANS UPDATED WITH NEW LAYOUT	BW
C	19/05/21	PRELIMINARY TENDER ISSUE	BW
B	29/04/21	BES INTERNAL AMENDMENTS	BW
INDEX	DATE	REVISION	APPD



BROSNAN ENGINEERING SOLUTIONS PTY LTD
48 MCBRIDE AVENUE, WONTHAGGI
(PO BOX 865 WONTHAGGI VIC 3995)
P 03 5672 5777 E info@broseng.com.au

PLAN OF SUBDIVISION:	PS838137Y
SURVEY	NOBELIUS
DESIGN	M.BROSNAN
CHECKED	B.WILSON

© COPYRIGHT
BROSNAN ENGINEERING SOLUTIONS PTY LTD HAS GRANTED A LICENCE TO THE CLIENT TO USE THIS DOCUMENT FOR ITS INTENDED PURPOSE. NO UNAUTHORIZED COPYING IS PERMITTED.

MUNICIPALITY:	BASS COAST SHIRE COUNCIL	BES REFERENCE: 1129-5	REV
SCHEME	'POWLETT RIDGE ESTATE', WONTHAGGI - STAGE 5 CONCRETE HEADWALL DETAIL	3122/23	F
CLIENT:	THE BOULEVARDE PTY LTD	SHEET 23 OF 23	