

MAMBOURIN ESTATE STAGE 11

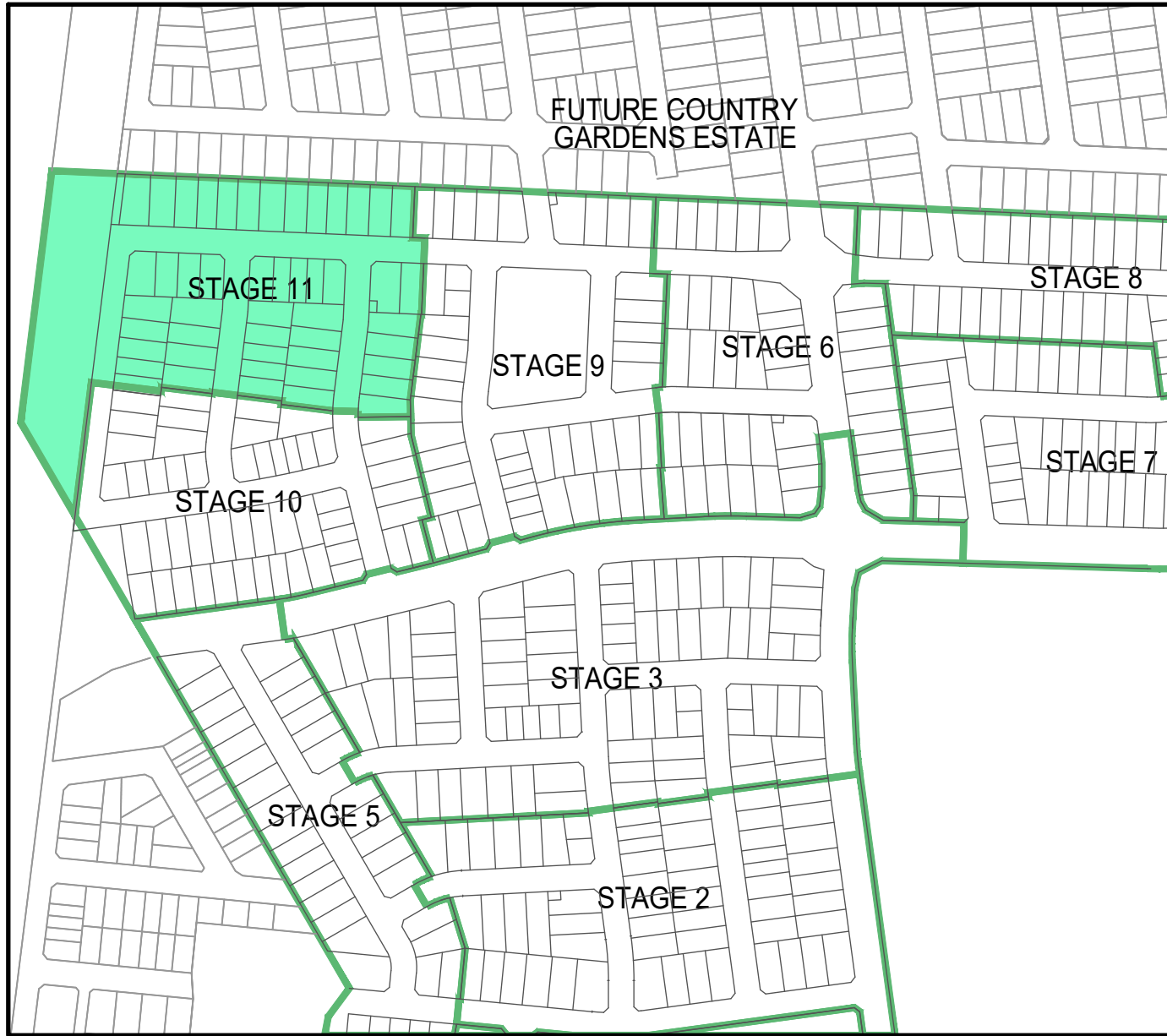
FRASERS PROPERTY

AUSTRALIA

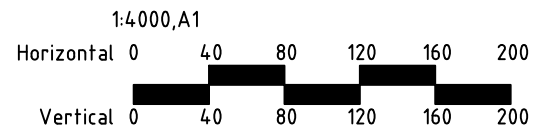
GENERAL NOTES:

- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) ZONE 55.
- ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN $\pm 0.05\text{m}$.
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED METROPOLITAN PLANNING AUTHORITY OR MUNICIPALITY SPECIFICATIONS AND STANDARD DRAWINGS WHERE NOTED AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE MUNICIPAL ENGINEER OR HIS REPRESENTATIVE.
- ROAD CHAINAGES REFER TO ROAD CENTRELINES. CHAINAGES FOR INTERSECTIONS AND CUL-DE-SACS REFER TO THE LIP OF KERB.
- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL LOCAL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- WHERE REQUIRED ANY BUILDINGS, TROUGHS, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
- ALL EXCAVATED ROCK AND SURPLUS SPOIL TO BE REMOVED AND DISPOSED OFF SITE UNLESS NOTED OTHERWISE.
- ALL FILLING ON LOTS AND WITHIN ROAD RESERVES GREATER THAN 200mm IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.
- FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, AS 3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
- ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
- NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED OR APPROVED BY THE SUPERINTENDENT.
- TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF T.B.M.'S THEREAFTER.
- AT LEAST 3 DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 150mm DEEP, A NOTIFICATION FORM MUST BE SENT TO WORKSAFE. THE CONTRACTOR IS TO COMPLY WITH WORKSAFE, THE MINES (TRENCHES) REGULATION 1982, THE MINES ACT 1958 AND OCCUPATIONAL HEALTH AND SAFETY ACT 1985, 2004.
- ALL SERVICE TRENCHES UNDER DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND KERB AND CHANNEL OR PAVED TRAFFIC AREAS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.
- WHERE REQUIRED, ALL EXISTING DAMS, DEPRESSIONS AND DRAINS ARE TO BE BREACHED, DRAINED, DESLUGGED AND SHALL BE EXCAVATED TO A CLEAN FIRM BASE. THE SURFACE SHALL BE INSPECTED, APPROVED AND LEVELED BY THE ENGINEER PRIOR TO COMMENCEMENT OF FILLING. THE FILL SHALL BE APPROVED SELECTED ON SITE MATERIAL OR APPROVED IMPORTED MATERIAL. THE FILL SHALL BE PLACED UNDER CONTROLLED MOISTURE CONDITIONS IN ACCORDANCE WITH THE SPECIFICATION.
- NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCILS & SUPERINTENDENT WRITTEN PERMISSION.
- GAS AND WATER CONDUITS ARE TO BE:
 $\varnothing 50\text{mm}$ - CLASS 12 P.V.C. - SINGLE SERVICE
 $\varnothing 100\text{mm}$ - CLASS 12 P.V.C. - DUAL SERVICE (DRINKING AND NON DRINKING WATER)

WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS:
ROAD PAVEMENT - 0.80m
VERGE, FOOTPATHS - 0.45m
- ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION.
- AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE METROPOLITAN PLANNING AUTHORITY STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
- CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.3m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
- WHERE CURVED PIPE ALIGNMENTS ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB, EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. CURVED PIPES ARE TO BE APPROVED BY COUNCIL AND IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
- WATER TAPPINGS TO BE LOCATED IN CENTRE OF ALLOTMENTS UNLESS OTHERWISE SHOWN.
- OPTICOMM IS TO BE NOTIFIED 7 DAYS PRIOR TO PLACEMENT OF CONCRETE WORKS.
- PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
- WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL. FILLING TO BE CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 95% AUSTRALIAN STANDARD DENSITY.
- WHEN PAVEMENT EXCAVATION IS IN ROCK, ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.
- ALL VEHICLE CROSSINGS ARE IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS.
- LINEMARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742-1 AND AS 1742-2 UNLESS NOTED OTHERWISE. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH METROPOLITAN PLANNING AUTHORITY STANDARDS.
- ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742-3.
- TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS.
- CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN INCLUDING SILT AND SEDIMENT RUNOFF PROTECTION ETC. SEMP TO BE APPROVED BY COUNCIL PRIOR TO THE COMMENCEMENT OF WORKS.
- ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN. IF ROAD AND DRAINAGE CONSTRUCTION NECESSITATES THEIR REMOVAL, WRITTEN PERMISSION MUST BE OBTAINED FROM THE SUPERINTENDENT.
- TREES NOT SPECIFIED FOR REMOVAL ARE TO BE PROTECTED WITH APPROPRIATE EXCLUSION FENCING PRIOR TO COMMENCEMENT OF ANY WORKS.
- THE CONTRACTOR IS REQUIRED TO OBTAIN A 'PERMIT TO WORK' FROM MELBOURNE WATER'S SURVEILLANCE OFFICER AT THE PRE-COMMENCEMENT MEETING. THE CONTRACTOR IS REQUIRED TO ENSURE THAT THE 'PERMIT TO WORK' IS KEPT UP TO DATE FOR THE DURATION OF THE CONTRACT.
- ALL PITS / MANHOLES IN CONCRETED AREAS TO BE CONSTRUCTED IN ACCORDANCE WITH WCC DETAIL SD2-5.
- ALL NATURESTRIPS, FROM BACK OF KERB TO EXISTING EDGE OF PATH OR PROPERTY BOUNDARY ARE TO BE FILLED TO A CLEAN, TIDY CONDITION, TOP DRESSED (50MM LOAMY TOP SOIL FREE OF CLUMPS, SODS AND CLAY LUMPS) AND HYDROSEEDED.
- ALL STORMWATER DRAINS ARE TO BE CLASS 2 R.C. OR RIGID F.R.C. PIPES WITH ADCOL FLEXIBLE COLLARS UNLESS NOTED OTHERWISE. ALL PIPES UP TO AND INCLUDING 750mm DIA ARE TO BE RUBBER RING JOINTED. INTERLOCKING / FLUSH JOINTS WITH EXTERNAL BANDS CAN ONLY BE USED ON PIPE SIZES OVER 750mm DIA.
- CURVED PIPE ALIGNMENTS TO BE ACHIEVED USING SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION. RADIUS AND SPLAY LENGTHS PROVIDED FOR ORDERING PURPOSES.



LOCALITY PLAN



DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
305176R01	FACE SHEET	1	1
305176R02	ROAD & DRAINAGE FACE PLAN	2	1
305176R03	ROAD & DRAINAGE SERVICES PLAN	3	1
305176R04	LONGITUDINAL SECTION - BESSIE STREET / HEIDELBERG AVENUE, PORTRAIT STREET & GLOVER STREET	4	0
305176R05	CROSS SECTIONS - BESSIE STREET & HEIDELBERG AVENUE SHEET 1 OF 2	5	0
305176R06	CROSS SECTIONS - HEIDELBERG AVENUE SHEET 2 OF 2 & PORTRAIT STREET	6	0
305176R07	CROSS SECTIONS - GLOVER STREET	7	0
305176R08	INTERSECTION DETAILS	8	0
305176R09	DRAINAGE LONG SECTION SHEET 1 OF 3	9	0
305176R10	DRAINAGE LONG SECTION SHEET 2 OF 3	10	1
305176R11	DRAINAGE LONG SECTION SHEET 3 OF 3	11	1
305176R12	DRAINAGE PIT SCHEDULE, SWALE DETAIL, LONG SECTION & CROSS SECTION	12	1
305176R13	PAVEMENT PLAN AND TYPICAL DETAILS	13	0
305176R14	SIGNAGE & LINEMARKING	14	0



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WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES
THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

LEGEND

DESCRIPTION

EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	WATER MAIN, VALVE AND HYDRANT
WATER RECYCLED	WATER RECYCLED
UNDERGROUND ELECTRICITY	UNDERGROUND ELECTRICITY
OVERHEAD ELECTRICITY & POLE	OVERHEAD ELECTRICITY & POLE
TELECOMMUNICATIONS & SERVICE PIT	TELECOMMUNICATIONS & SERVICE PIT
OPTIC FIBRE	OPTIC FIBRE
OVERHEAD TELECOMMUNICATIONS	OVERHEAD TELECOMMUNICATIONS
GAS MAIN	GAS MAIN
BRANCH SEWER & MAINTENANCE STRUCTURE	BRANCH SEWER & MAINTENANCE STRUCTURE
SEWER & MAINTENANCE STRUCTURE	SEWER & MAINTENANCE STRUCTURE
SEWER RISING MAIN	SEWER RISING MAIN
CENTRAL INVERT	CENTRAL INVERT
COUNCIL STORMWATER DRAIN AND PIT	COUNCIL STORMWATER DRAIN AND PIT
STORM WATER DRAINAGE PROPERTY INLETS	STORM WATER DRAINAGE PROPERTY INLETS
COUNCIL STORM WATER PITS	COUNCIL STORM WATER PITS
HOUSE DRAIN	HOUSE DRAIN
AG DRAIN AND FLUSHER	AG DRAIN AND FLUSHER
MWC STORM WATER DRAIN & PIT	MWC STORM WATER DRAIN & PIT
MWC STORM WATER PITS	MWC STORM WATER PITS
STORM WATER DRAINAGE PIT NUMBER	STORM WATER DRAINAGE PIT NUMBER
GAS & WATER CONDUITS	GAS & WATER CONDUITS
CONCRETE VEHICLE CROSSING	CONCRETE VEHICLE CROSSING
PAVEMENT SAWCUT LINE	PAVEMENT SAWCUT LINE
RIDGE / CHANGE OF GRADE LINE	RIDGE / CHANGE OF GRADE LINE
SURFACE CONTOUR MINOR	SURFACE CONTOUR MINOR
SURFACE CONTOUR MAJOR	SURFACE CONTOUR MAJOR
SURFACE LEVEL	SURFACE LEVEL
BATTER LEVEL (TOP / TOE)	BATTER LEVEL (TOP / TOE)
RETAINING WALL LEVEL (TOP/BOTTOM)	RETAINING WALL LEVEL (TOP/BOTTOM)
EARTHWORKS GRADE	EARTHWORKS GRADE
SIGN AND POST	SIGN AND POST
LIGHT & POLE (BY OTHERS)	LIGHT & POLE (BY OTHERS)
STREET SIGN	STREET SIGN
PERMANENT SURVEY MARK	PERMANENT SURVEY MARK
TEMPORARY BENCH MARK	TEMPORARY BENCH MARK
BOLLARD	BOLLARD
ROAD CHAINAGES	ROAD CHAINAGES
LOT CHAINAGES	LOT CHAINAGES
SETOUT POINT	SETOUT POINT
LIMIT OF WORKS	LIMIT OF WORKS
BATTER	BATTER
EXCAVATION GREATER THAN 0.20m	EXCAVATION GREATER THAN 0.20m
FILLING GREATER THAN 0.20m	FILLING GREATER THAN 0.20m
ROCK BEACHING	ROCK BEACHING
RETAINING WALL	RETAINING WALL
FENCE - TREE PROTECTION	FENCE - TREE PROTECTION
FENCE - VEHICLE EXCLUSION	FENCE - VEHICLE EXCLUSION
FENCES	FENCES
GUARD RAIL	GUARD RAIL
TREE (& SURVEYED (CANOPY) TO BE RETAINED	TREE (& SURVEYED (CANOPY) TO BE RETAINED
TREE TO BE PROTECTED	TREE TO BE PROTECTED
TREE TO BE REMOVED	TREE TO BE REMOVED
VEGETATION LINE	VEGETATION LINE
FOOTPATH	FOOTPATH
TACTILE GROUND SURFACE INDICATOR	TACTILE GROUND SURFACE INDICATOR
KERB TRANSITION	KERB TRANSITION

EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	WATER MAIN, VALVE AND HYDRANT
WATER RECYCLED	WATER RECYCLED
UNDERGROUND ELECTRICITY	UNDERGROUND ELECTRICITY
OVERHEAD ELECTRICITY & POLE	OVERHEAD ELECTRICITY & POLE
TELECOMMUNICATIONS & SERVICE PIT	TELECOMMUNICATIONS & SERVICE PIT
OPTIC FIBRE	OPTIC FIBRE
OVERHEAD TELECOMMUNICATIONS	OVERHEAD TELECOMMUNICATIONS
GAS MAIN	GAS MAIN
BRANCH SEWER & MAINTENANCE STRUCTURE	BRANCH SEWER & MAINTENANCE STRUCTURE
SEWER & MAINTENANCE STRUCTURE	SEWER & MAINTENANCE STRUCTURE
SEWER RISING MAIN	SEWER RISING MAIN
CENTRAL INVERT	CENTRAL INVERT
COUNCIL STORMWATER DRAIN AND PIT	COUNCIL STORMWATER DRAIN AND PIT
STORM WATER DRAINAGE PROPERTY INLETS	STORM WATER DRAINAGE PROPERTY INLETS
COUNCIL STORM WATER PITS	COUNCIL STORM WATER PITS
HOUSE DRAIN	HOUSE DRAIN
AG DRAIN AND FLUSHER	AG DRAIN AND FLUSHER
MWC STORM WATER DRAIN & PIT	MWC STORM WATER DRAIN & PIT
MWC STORM WATER PITS	MWC STORM WATER PITS
STORM WATER DRAINAGE PIT NUMBER	STORM WATER DRAINAGE PIT NUMBER
GAS & WATER CONDUITS	GAS & WATER CONDUITS
CONCRETE VEHICLE CROSSING	CONCRETE VEHICLE CROSSING
PAVEMENT SAWCUT LINE	PAVEMENT SAWCUT LINE
RIDGE / CHANGE OF GRADE LINE	RIDGE / CHANGE OF GRADE LINE
SURFACE CONTOUR MINOR	SURFACE CONTOUR MINOR
SURFACE CONTOUR MAJOR	SURFACE CONTOUR MAJOR
SURFACE LEVEL	SURFACE LEVEL
BATTER LEVEL (TOP / TOE)	BATTER LEVEL (TOP / TOE)
RETAINING WALL LEVEL (TOP/BOTTOM)	RETAINING WALL LEVEL (TOP/BOTTOM)
EARTHWORKS GRADE	EARTHWORKS GRADE
SIGN AND POST	SIGN AND POST
LIGHT & POLE (BY OTHERS)	LIGHT & POLE (BY OTHERS)
STREET SIGN	STREET SIGN
PERMANENT SURVEY MARK	PERMANENT SURVEY MARK
TEMPORARY BENCH MARK	TEMPORARY BENCH MARK
BOLLARD	BOLLARD
ROAD CHAINAGES	ROAD CHAINAGES
LOT CHAINAGES	LOT CHAINAGES
SETOUT POINT	SETOUT POINT
LIMIT OF WORKS	LIMIT OF WORKS
BATTER	BATTER
EXCAVATION GREATER THAN 0.20m	EXCAVATION GREATER THAN 0.20m
FILLING GREATER THAN 0.20m	FILLING GREATER THAN 0.20m
ROCK BEACHING	ROCK BEACHING
RETAINING WALL	RETAINING WALL
FENCE - TREE PROTECTION	FENCE - TREE PROTECTION
FENCE - VEHICLE EXCLUSION	FENCE - VEHICLE EXCLUSION
FENCES	FENCES
GUARD RAIL	GUARD RAIL
TREE (& SURVEYED (CANOPY) TO BE RETAINED	TREE (& SURVEYED (CANOPY) TO BE RETAINED
TREE TO BE PROTECTED	TREE TO BE PROTECTED
TREE TO BE REMOVED	TREE TO BE REMOVED
VEGETATION LINE	VEGETATION LINE
FOOTPATH	FOOTPATH
TACTILE GROUND SURFACE INDICATOR	TACTILE GROUND SURFACE INDICATOR
KERB TRANSITION	KERB TRANSITION

1	AMENDED LOT LAYOUT	M.L.	29/05/20
0	CONSTRUCTION ISSUE	M.L.	06/09/19
Rev	Amendments	Approved	Date



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Designed
R. WEINBER

Authorised
M. LETSON

Checked
J. KOEHLER

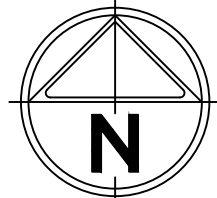
Date
29/05/20

MAMBOURIN ESTATE STAGE 11 FACE SHEET

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

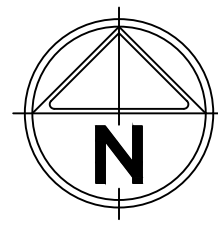
CONSTRUCTION Drg No 305176R01

Rev 1



FUTURE DEVELOPMENT
(COUNTRY GARDENS ESTATE)





FUTURE DEVELOPMENT
(COUNTRY GARDENS ESTATE)

EXISTING STAGE 9

RESERVE

MAYVALE

EXISTING STAGE 10

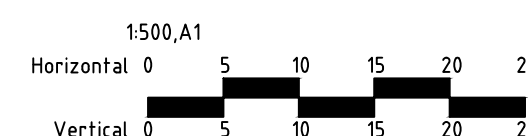
SERVICE OFFSETS AND LOCATION TABLE

ROAD NAME	POTABLE WATER		RECYCLED WATER		GAS		ELECTRICITY				TELECOM	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE SIDE	POLE OFFSET	U/G CABLE SIDE	U/G CABLE OFFSET	SIDE	OFFSET
GLOVER STREET	W	2.95	W	2.50	W	2.10	E	0.80*	E	2.60	E	1.725
HEIDELBERG AVENUE	N	2.95	N	2.50	N	2.10	S	0.80*	S	2.60	S	1.725
PORTRAIT STREET	E	2.95	E	2.50	E	2.10	W	0.80*	W	2.60	W	1.725
BESSIE STREET	E	2.95	E	2.50	E	2.10	W	0.80*	W	1.10	W	0.700

1. TELSTRA AND ELECTRICITY CABLES ARE TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRAWINGS.
2. GAS AND WATER MAINS ARE TO BE CONSTRUCTED IN A COMMON TRENCH.
3. * DENOTES OFFSET FROM BACK OF KERB.
4. LIGHT POLES DIMENSIONED TO CENTRE OF POLE

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AND THEIR EXACT POSITION SHOULD BE PROVEN ON
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SERVICES ARE SHOWN. SPECIAL CONSIDERATION
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UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

Rev	Amendments	Approved	Date
1	AMENDED LOT LAYOUT	M.L.	29/05/20
0	CONSTRUCTION ISSUE	M.L.	06/09/19



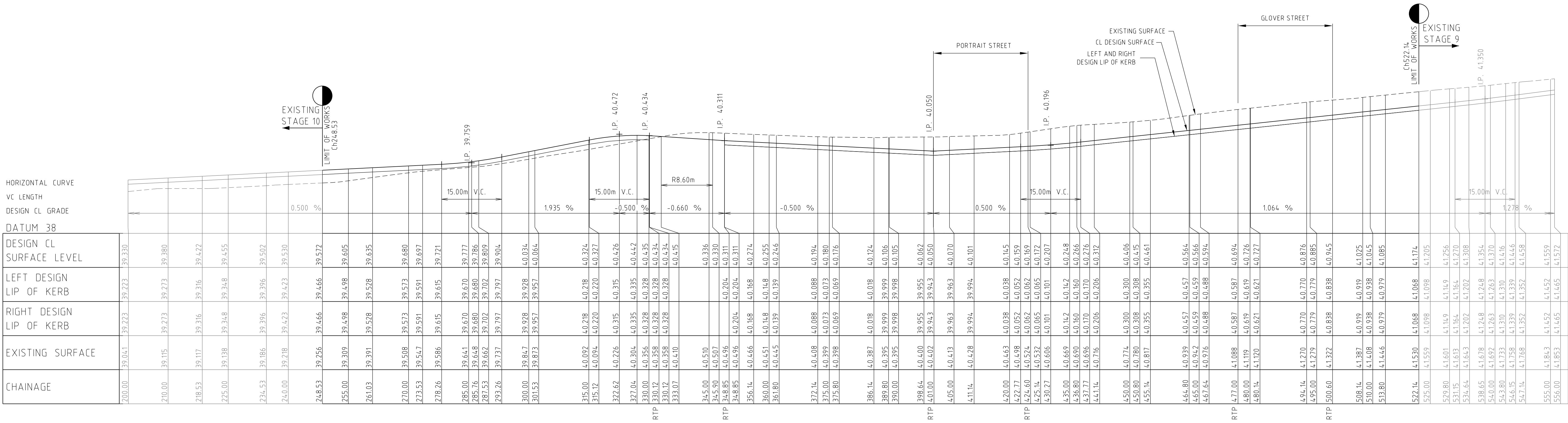
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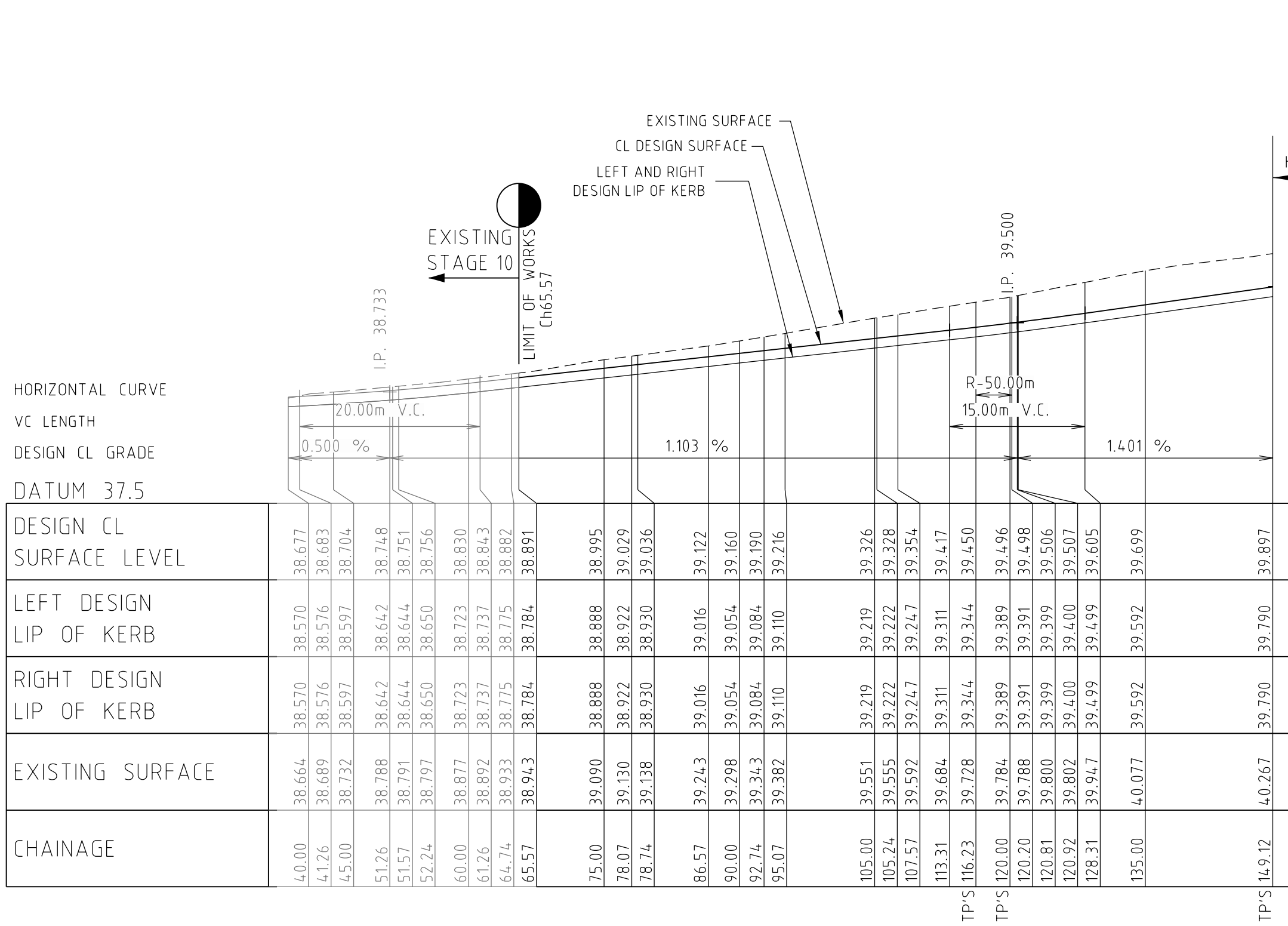
**FRASERS
PROPERTY**
Designed
R. WEINBER
Authorised
M. LETSON

Checked
J. KOEHLER
Date
29/05/20

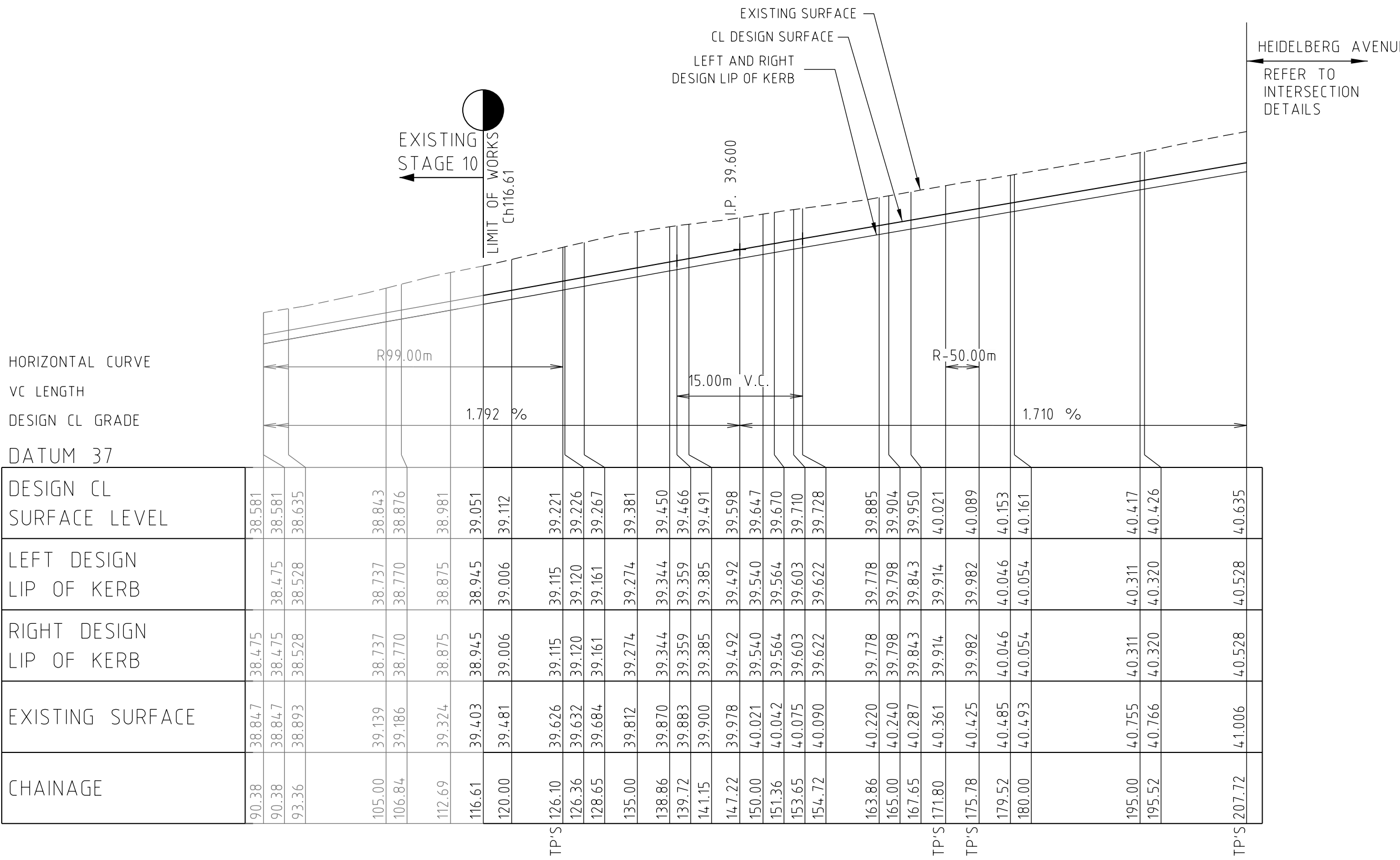
**MAMBOURIN ESTATE
STAGE 11
ROAD & DRAINAGE
SERVICES PLAN**
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL
CONSTRUCTION Drg No 305176R03 Rev 1



BESSIE STREET/ HEIDELBERG AVENUE

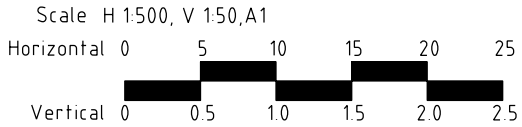


PORTRAIT STREET



GLOVER STREET

0	CONSTRUCTION ISSUE	M.L.	06/09/19
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FRASERS PROPERTY
Designed
R. WEINBER
Authorised
M. LETSON
Checked
J. KOEHLER
Date
04/04/19

MAMBOURIN ESTATE
STAGE 11
LONGITUDINAL SECTION - BESSIE STREET / HEIDELBERG AVENUE, PORTRAIT STREET & GLOVER STREET
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM
CONSTRUCTION
Drg No
305176R04
Rev
0

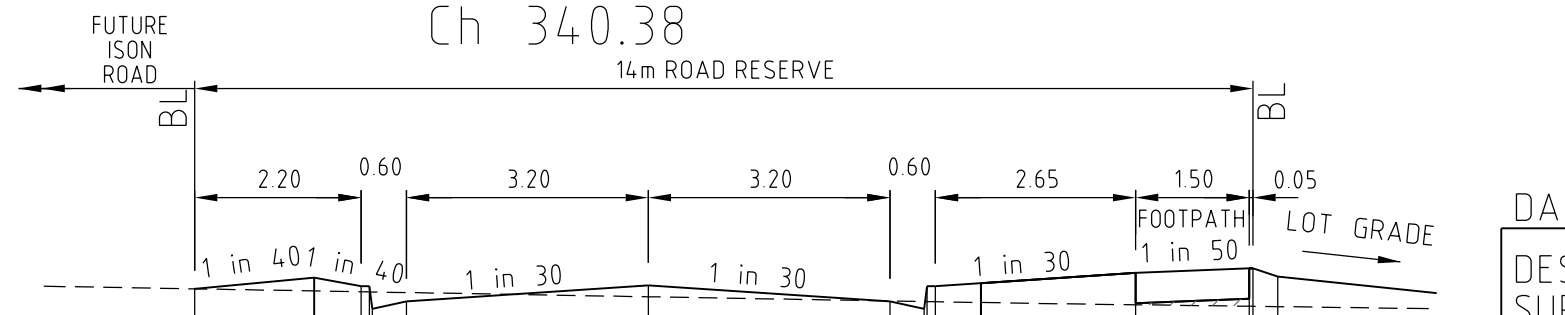


STRUCTURAL FILL
IN ACCORDANCE
WITH AS3798-2007,
LEVEL 1.

DATUM 39

DESIGN SURFACE LEVEL		40.616	40.549	40.359	40.359	40.366	40.257	40.207	40.357	40.529	40.560	40.531	40.473
EXISTING SURFACE LEVEL		40.706	40.677	40.594	40.592	40.503	40.422	40.414	40.412	40.352	40.325	40.374	40.318
OFFSET		0.000	1.805	6.894	7.004	11.816	16.157	16.608	16.758	20.073	21.579	21.629	21.979

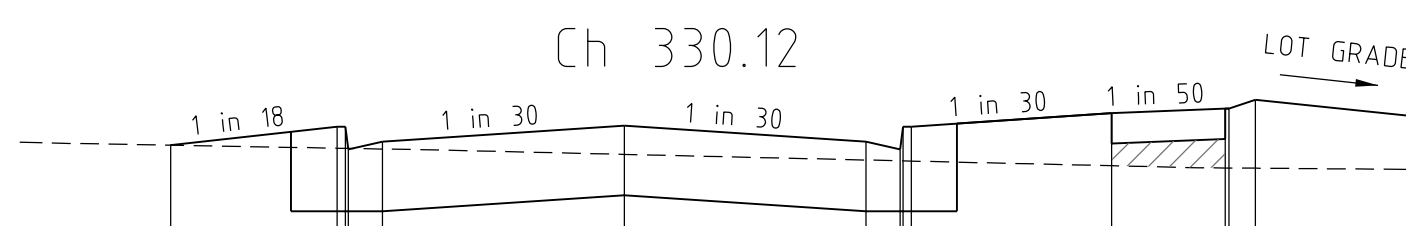
HEIDELBERG AVENUE



DATUM 39

DESIGN SURFACE LEVEL		40.411	40.428	40.428	40.434	40.328	40.327	40.428	40.428	40.516	40.546	40.492
EXISTING SURFACE LEVEL		40.411	40.392	40.391	40.358	40.331	40.326	40.326	40.325	40.306	40.296	40.293
OFFSET		-6.000	-3.800	-3.650	0.000	3.200	3.650	3.650	3.800	6.450	7.950	8.328

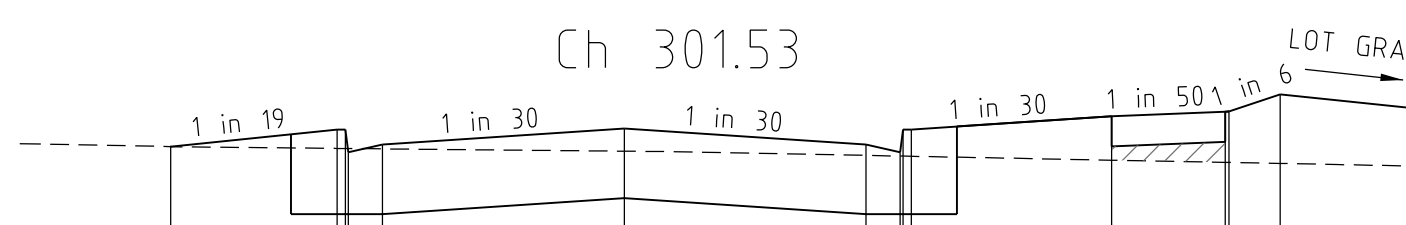
BESSIE STREET



DATUM 39

DESIGN SURFACE LEVEL		39.934	40.057	40.057	40.064	39.957	39.907	40.057	40.057	40.145	40.175	40.235
EXISTING SURFACE LEVEL		39.934	39.914	39.913	39.873	39.836	39.831	39.830	39.829	39.798	39.784	39.782
OFFSET		-6.000	-3.800	-3.650	0.000	3.200	3.650	3.650	3.800	6.450	7.950	8.349

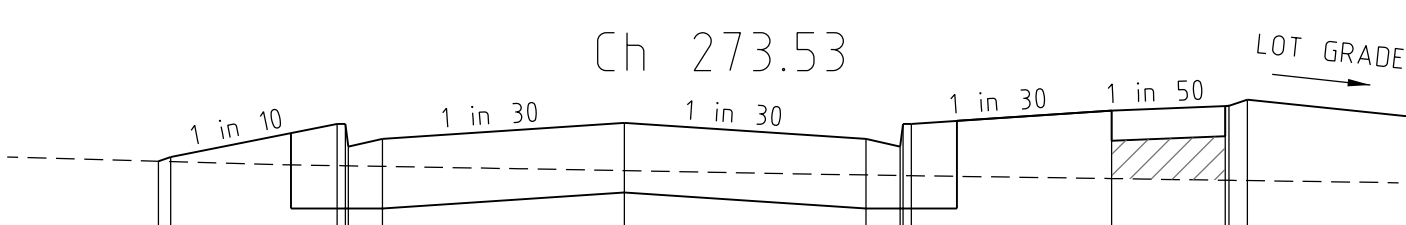
BESSIE STREET



DATUM 38

DESIGN SURFACE LEVEL		39.578	39.691	39.691	39.697	39.591	39.541	39.691	39.691	39.779	39.809	39.924
EXISTING SURFACE LEVEL		39.578	39.566	39.565	39.547	39.520	39.515	39.515	39.514	39.488	39.474	39.466
OFFSET		-6.000	-3.800	-3.650	0.000	3.200	3.650	3.650	3.800	6.450	7.950	8.680

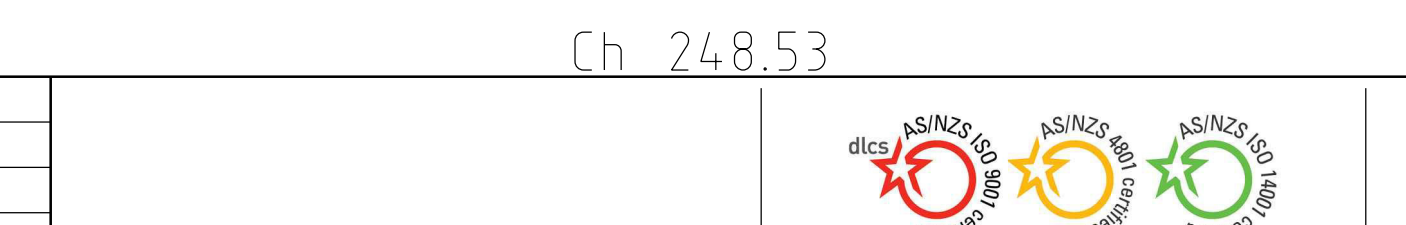
BESSIE STREET



DATUM 38

DESIGN SURFACE LEVEL		39.318	39.566	39.566	39.572	39.466	39.416	39.566	39.566	39.654	39.684	39.726
EXISTING SURFACE LEVEL		39.318	39.289	39.288	39.256	39.228	39.224	39.224	39.223	39.204	39.193	39.191
OFFSET		-6.165	-3.800	-3.650	0.000	3.200	3.650	3.650	3.800	6.450	7.950	8.246

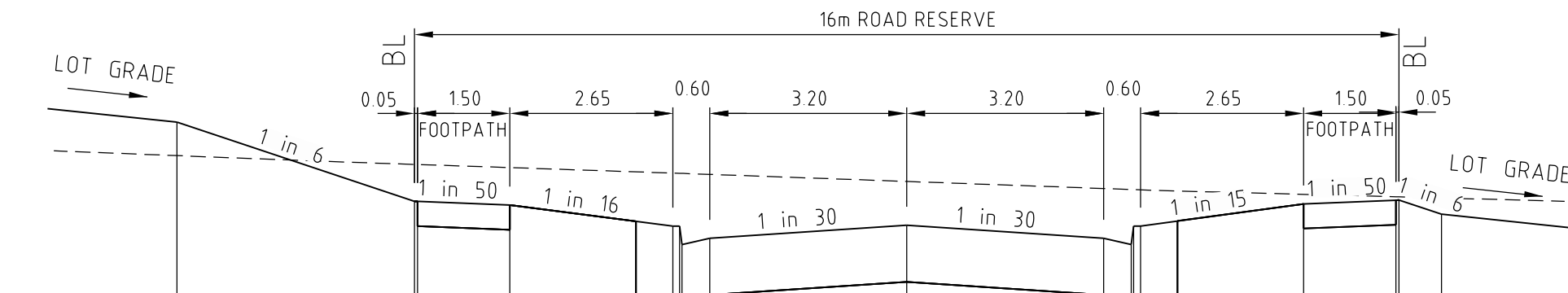
BESSIE STREET



DATUM 39

DESIGN SURFACE LEVEL		41.006	40.363	40.162	40.162	40.169	40.162	40.162	40.342	40.372	40.373	40.258
EXISTING SURFACE LEVEL		40.734	40.663	40.592	40.590	40.524	40.467	40.458	40.420	40.400	40.399	40.390
OFFSET		-11.859	-8.000	-3.800	-3.650	0.000	3.200	3.650	6.450	7.950	8.000	8.693

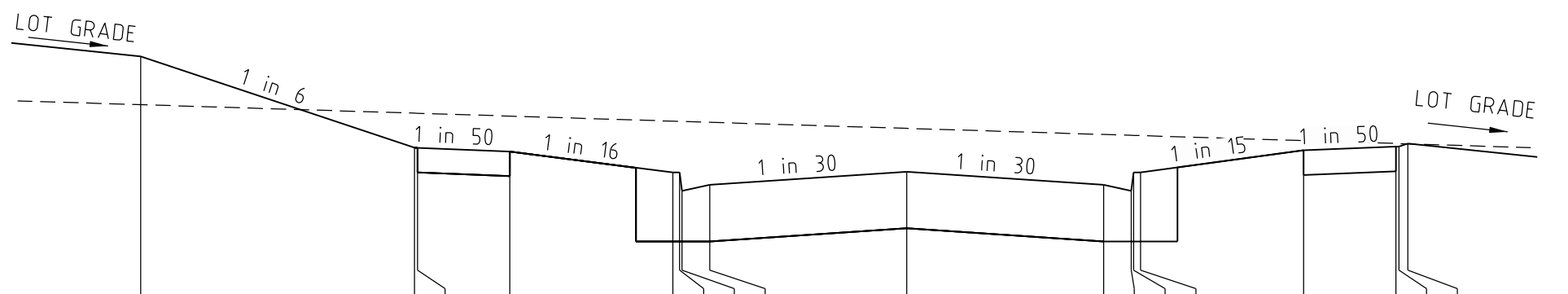
HEIDELBERG AVENUE



DATUM 39

DESIGN SURFACE LEVEL		40.986	40.244	40.043	40.043	40.050	39.943	39.803	40.043	40.043	40.223	40.253
EXISTING SURFACE LEVEL		40.594	40.535	40.461	40.459	40.402	40.352	40.345	40.315	40.313	40.302	40.279
OFFSET		-12.449	-8.000	-3.800	-3.650	0.000	3.200	3.650	3.800	6.450	7.950	8.000

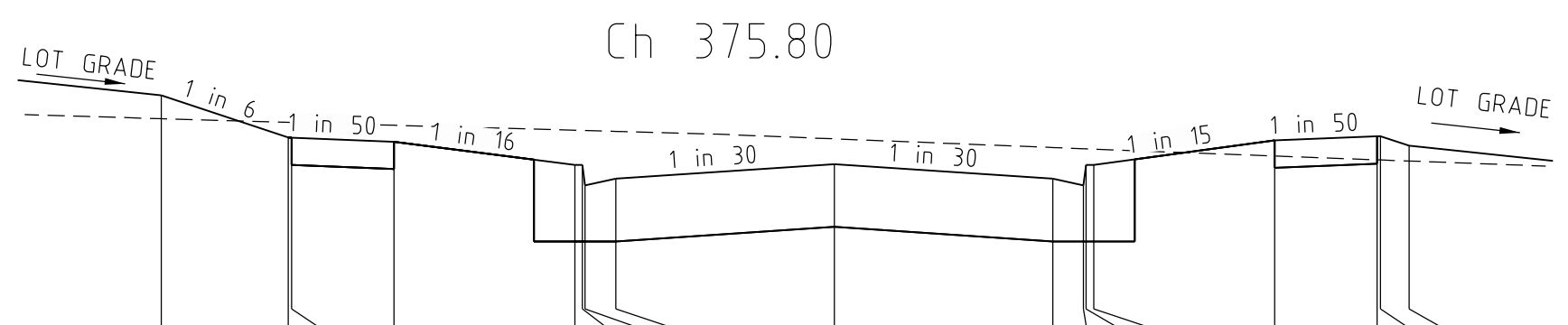
HEIDELBERG AVENUE



DATUM 39

DESIGN SURFACE LEVEL		40.920	40.370	40.169	40.169	40.176	40.069	40.069	40.349	40.379	40.380	40.253
EXISTING SURFACE LEVEL		40.620	40.556	40.474	40.472	40.398	40.338	40.330	40.284	40.258	40.258	40.245
OFFSET		-11.295	-8.000	-3.800	-3.650	0.000	3.200	3.650	6.450	7.950	8.000	8.766

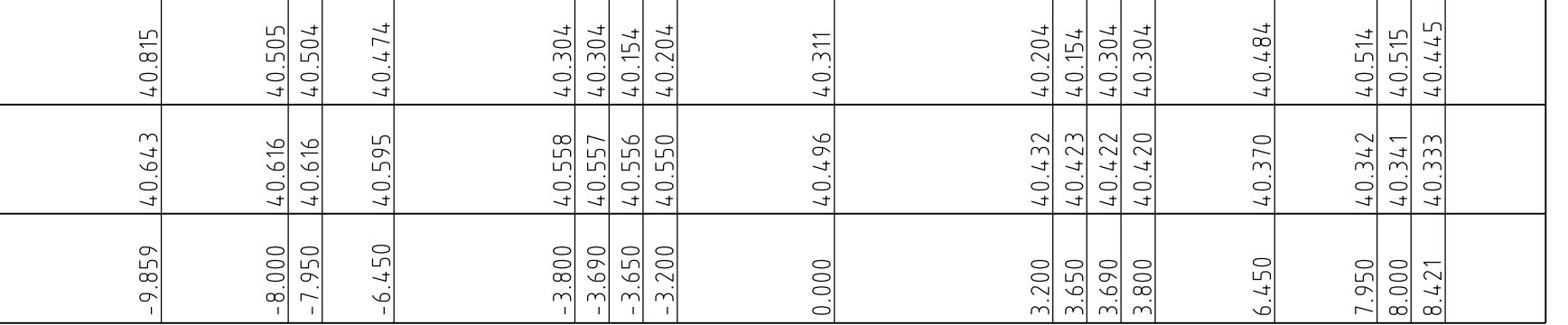
HEIDELBERG AVENUE



DATUM 39

DESIGN SURFACE LEVEL		40.815	40.505	40.304	40.304	40.311	40.204	40.204	40.484	40.514	40.515	40.445
EXISTING SURFACE LEVEL		40.643	40.516	40.432	40.423	40.496	40.432	40.422	40.370	40.342	40.341	40.333
OFFSET		-9.859	-8.000	-3.800	-3.650	0.000	3.200	3.650	6.450	7.950	8.000	8.421

HEIDELBERG AVENUE



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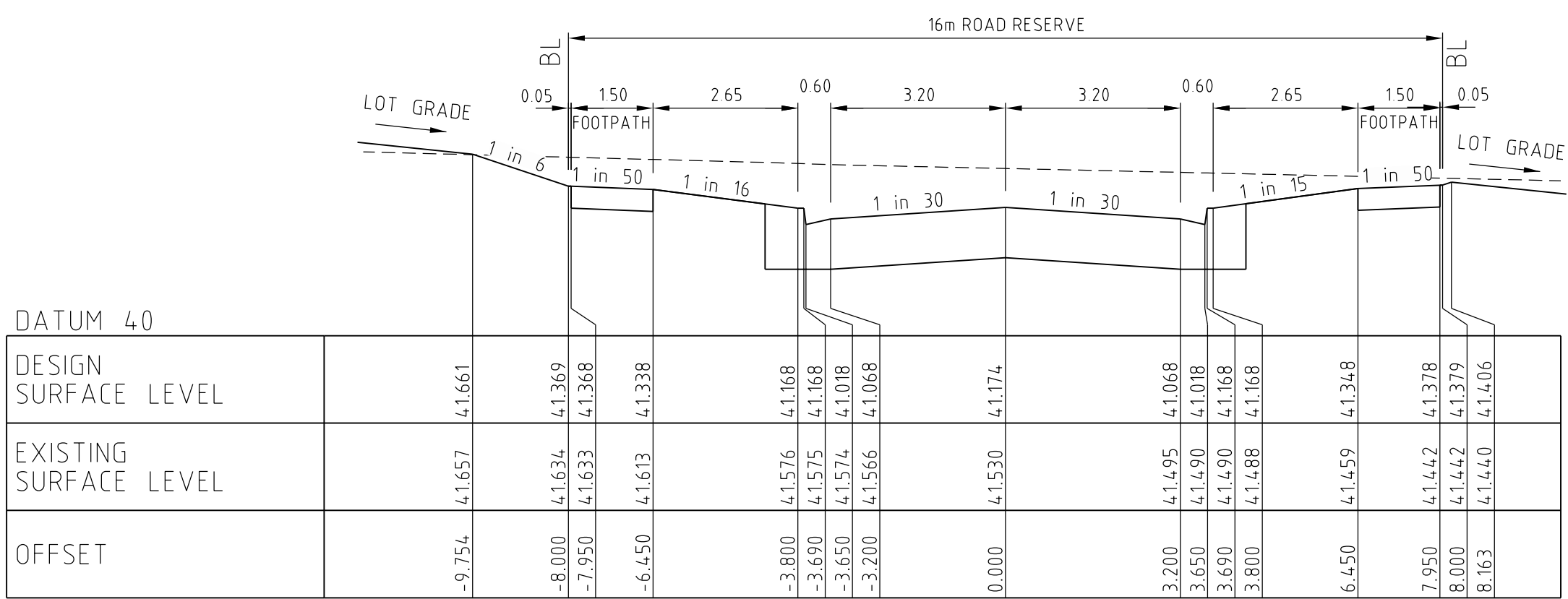
FRASERS
PROPERTY
Designed
R. WEINBER
Authorised
M. LETSON

Checked
J. KOEHLER
Date
04/04/19

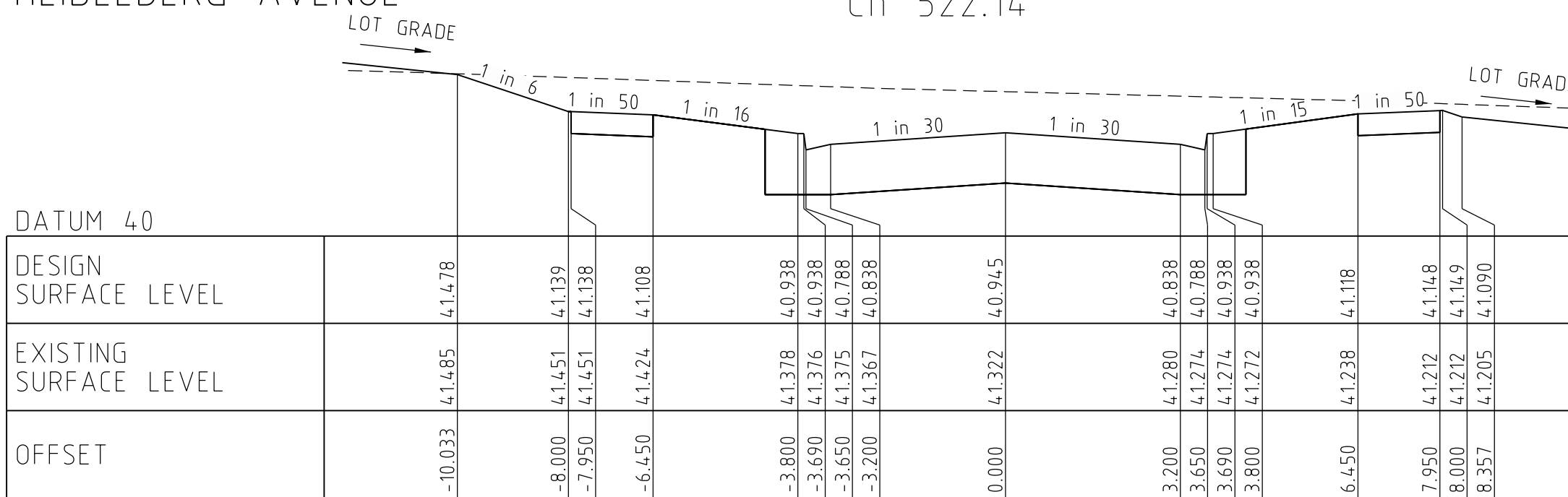
MAMBOURIN ESTATE
STAGE 11
CROSS SECTIONS - BESSIE STREET
& HEIDELBERG AVENUE SHEET 1 OF 2
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM
CONSTRUCTION
Drg No
305176R05
Rev
0



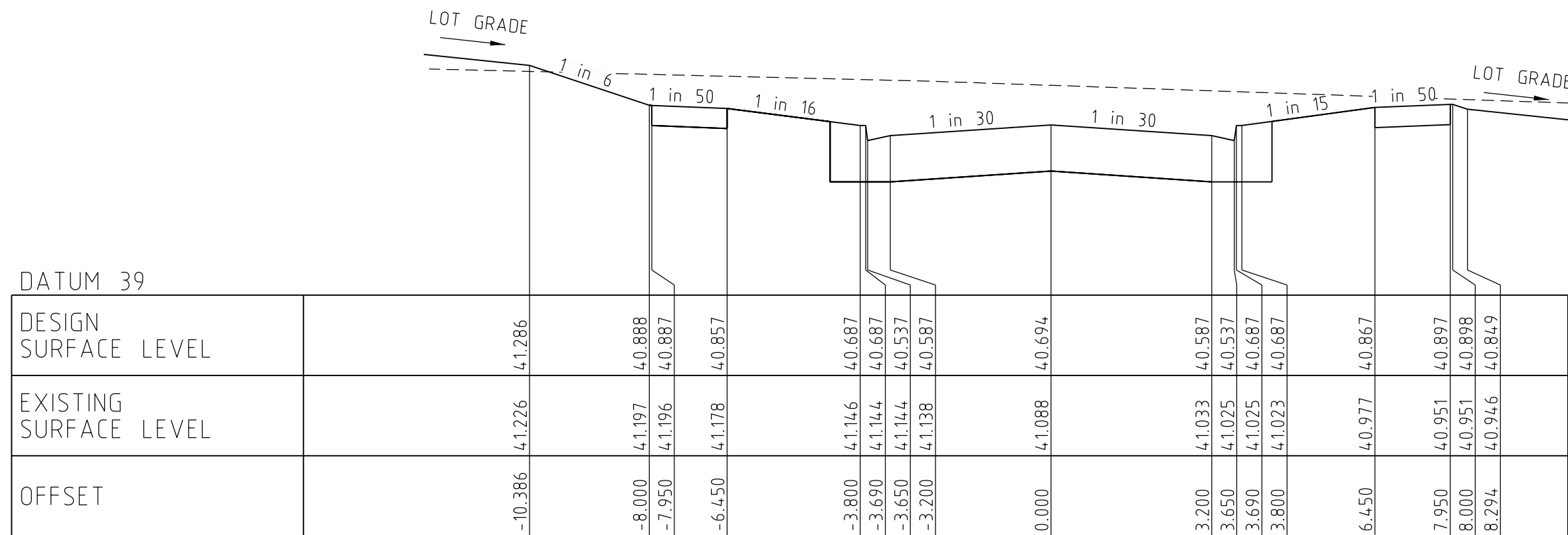
STRUCTURAL FILL
IN ACCORDANCE
WITH AS3798-2007,
LEVEL 1.



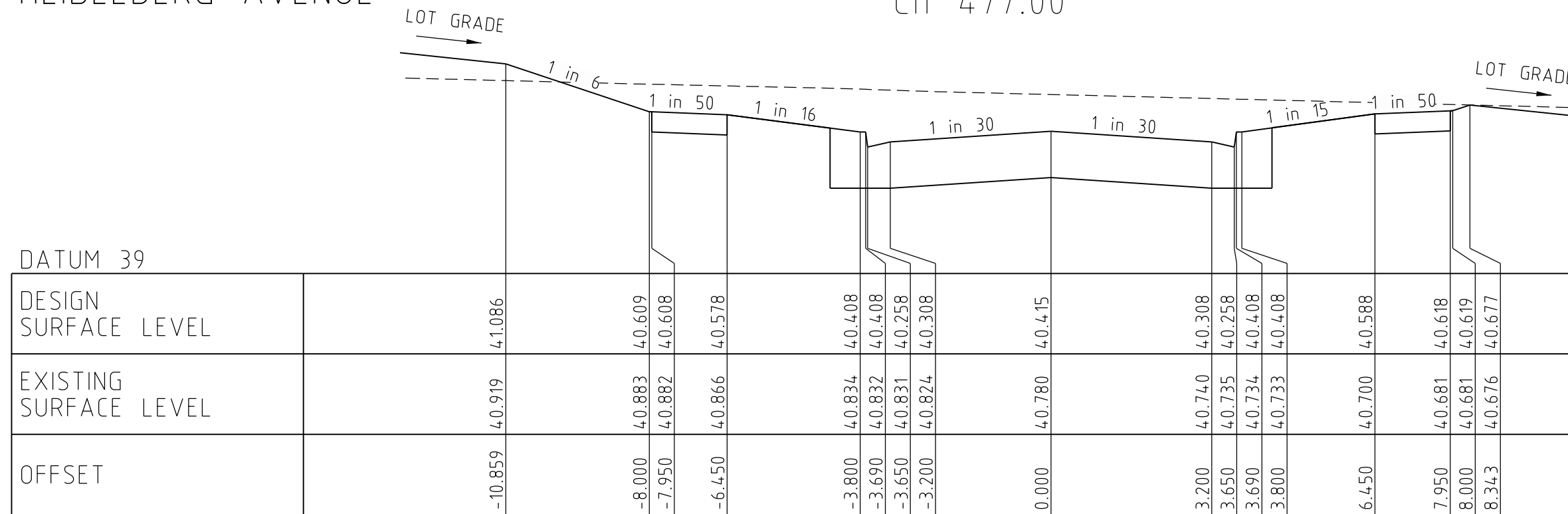
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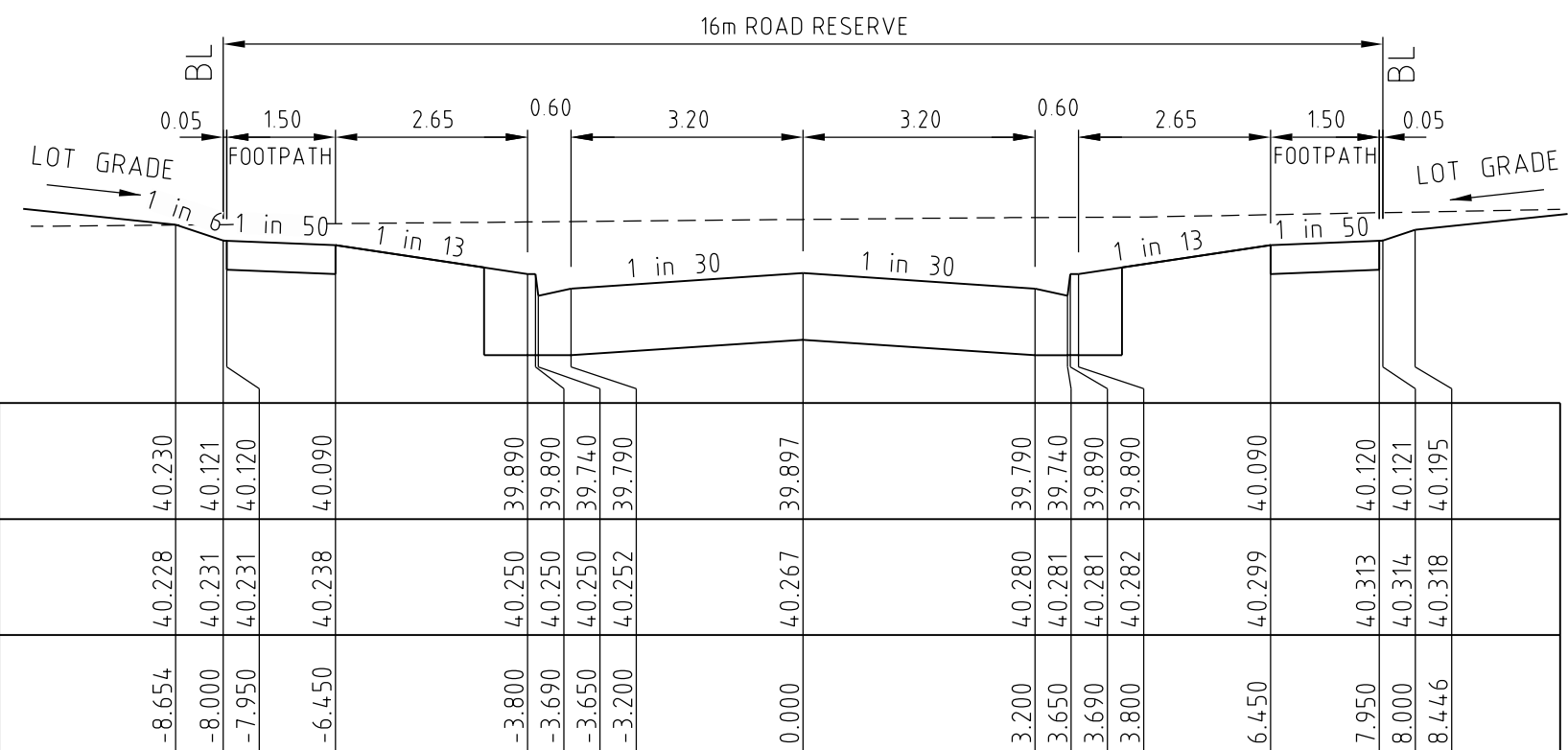
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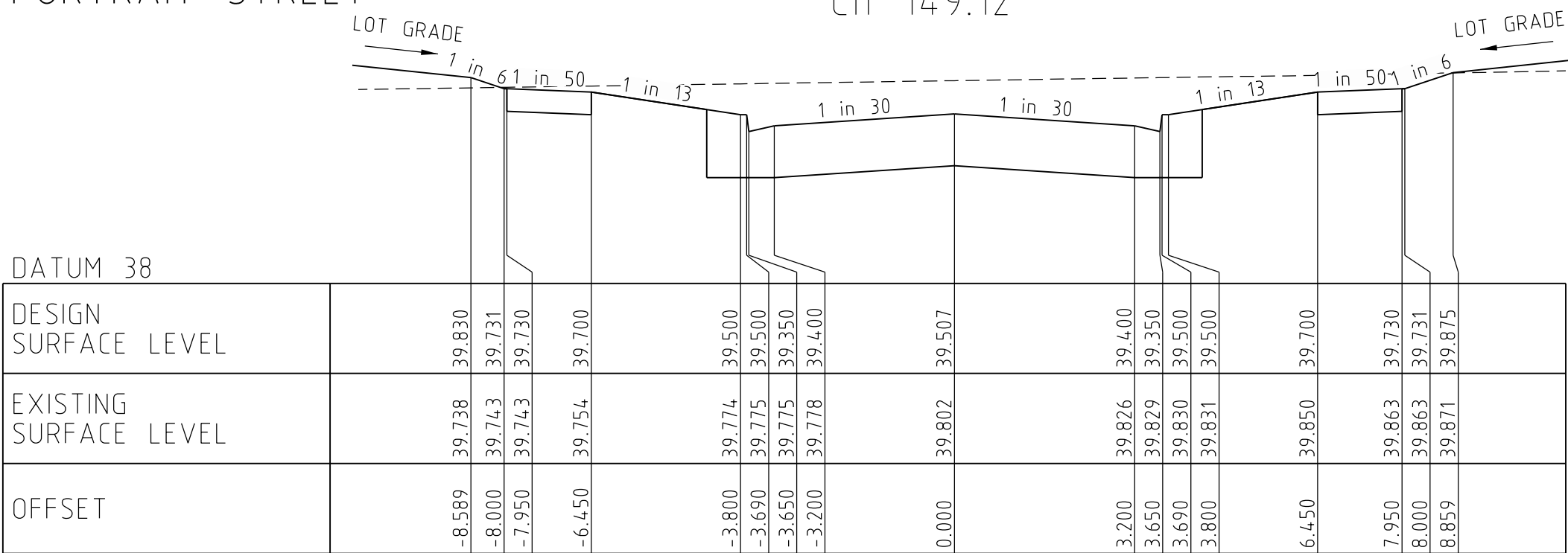
HEIDELBERG AVENUE Ch 477.00



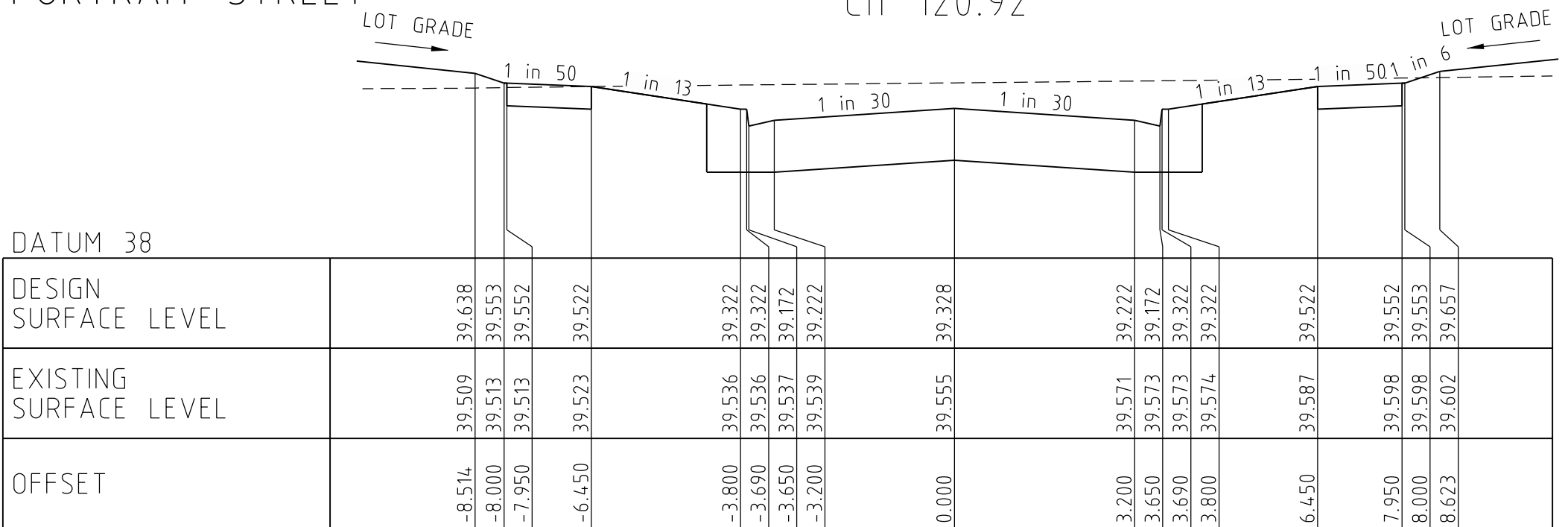
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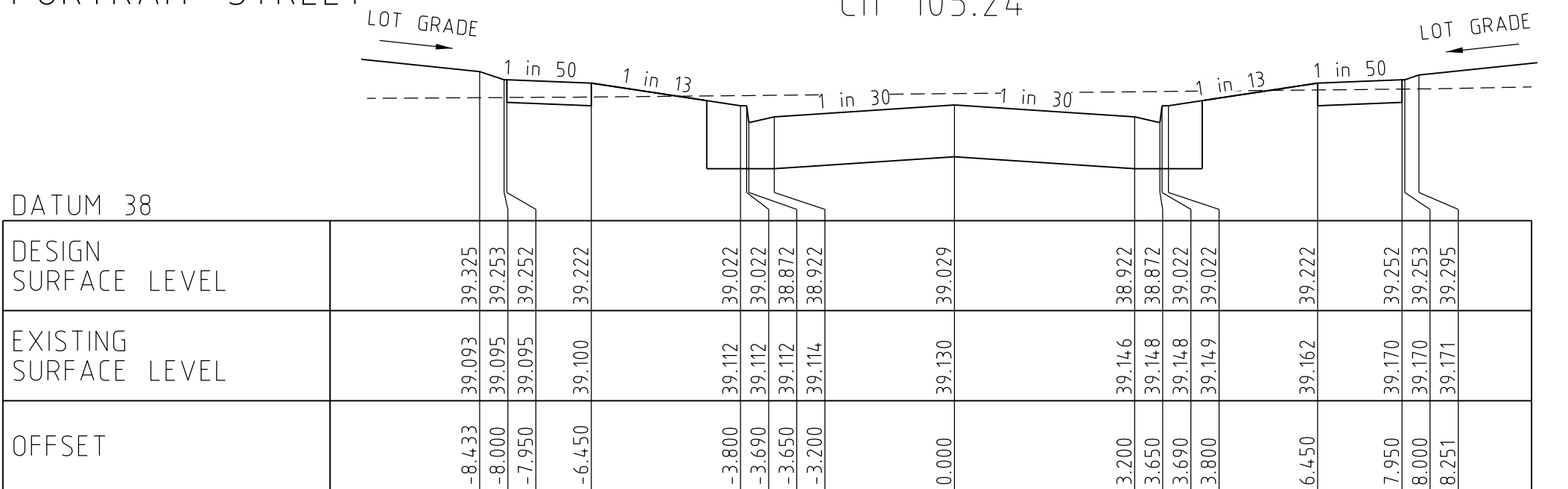
PORTRAIT STREET Ch 149.12



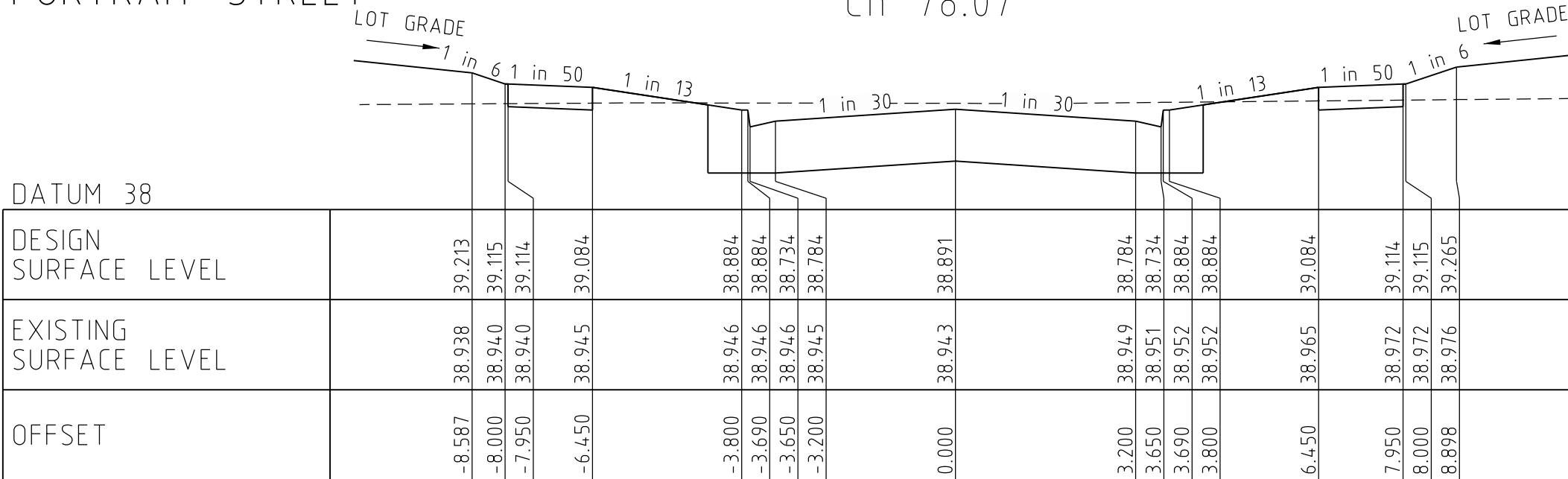
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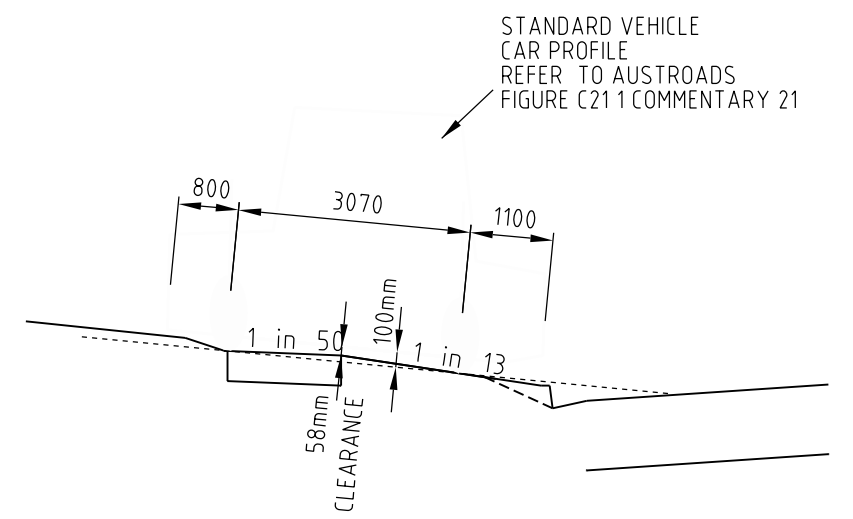
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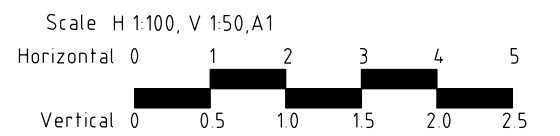
PORTRAIT STREET Ch 78.07



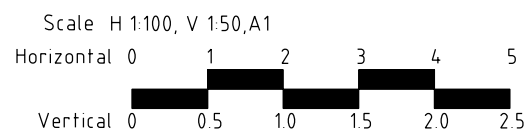
PORTRAIT STREET Ch 65.57



VEHICLE CLEARANCE DIAGRAM
PORTRAIT STREET



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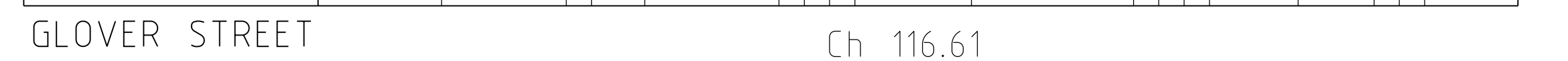
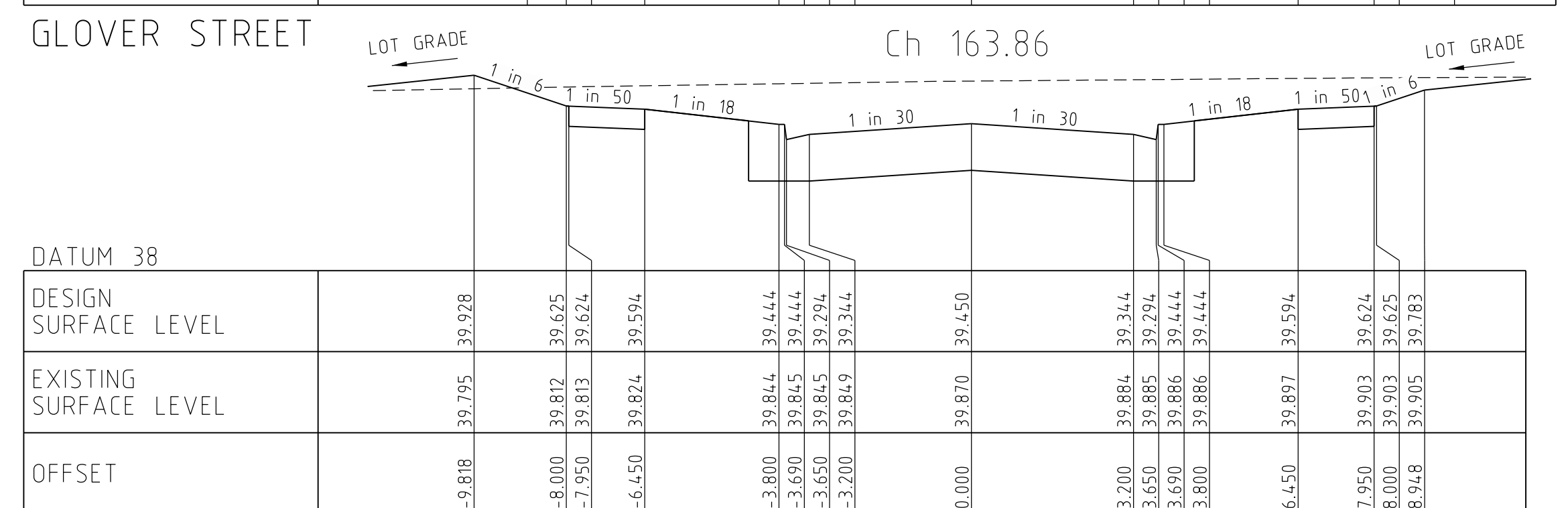
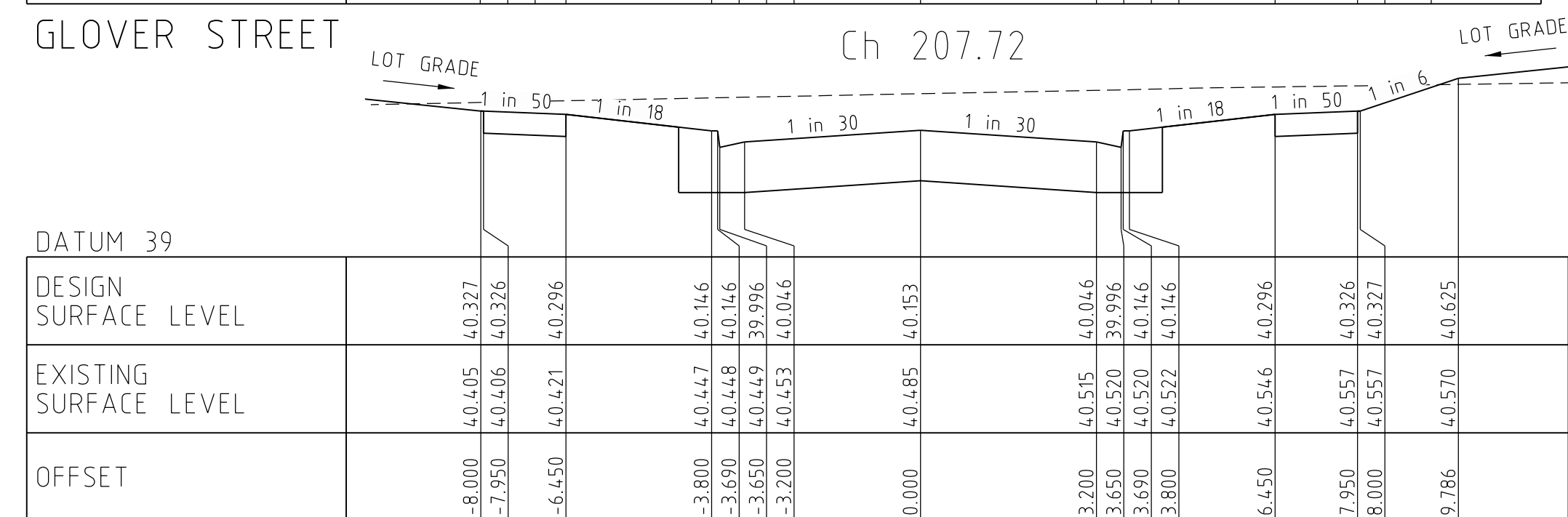
Designed
R. WEINBER
Authorised
M. LETSON

Checked
J. KOEHLER
Date
04/04/19

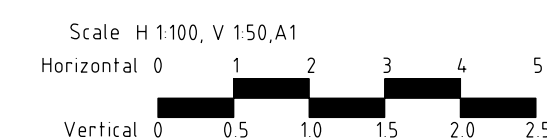
MAMBOURIN ESTATE
STAGE 11
CROSS SECTIONS - HEIDELBERG AVENUE SHEET 2 OF 2
& PORTRAIT STREET
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM
CONSTRUCTION Drg No 305176R06 Rev 0



STRUCTURAL FILL
IN ACCORDANCE
WITH AS3798-2007,
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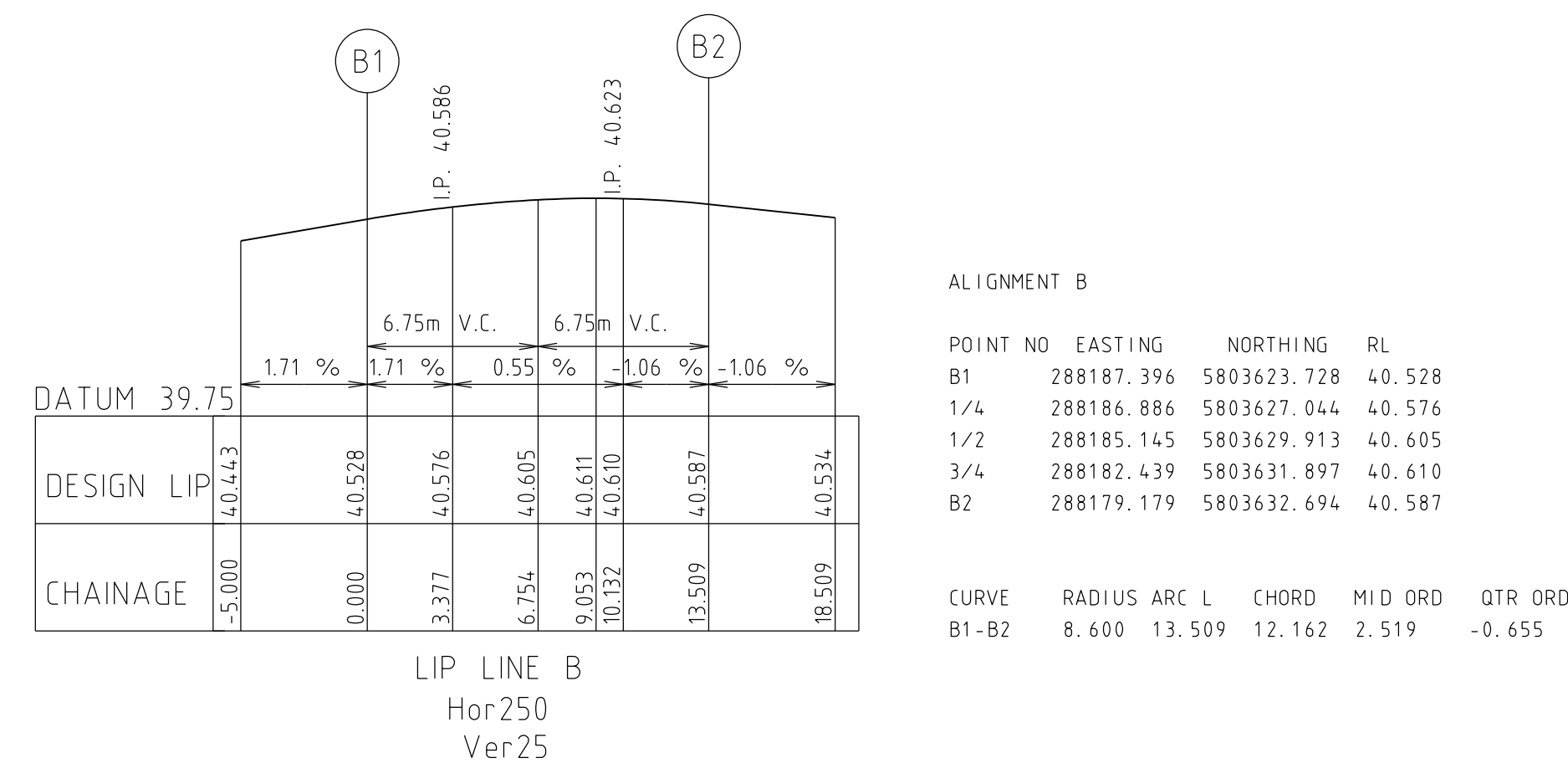
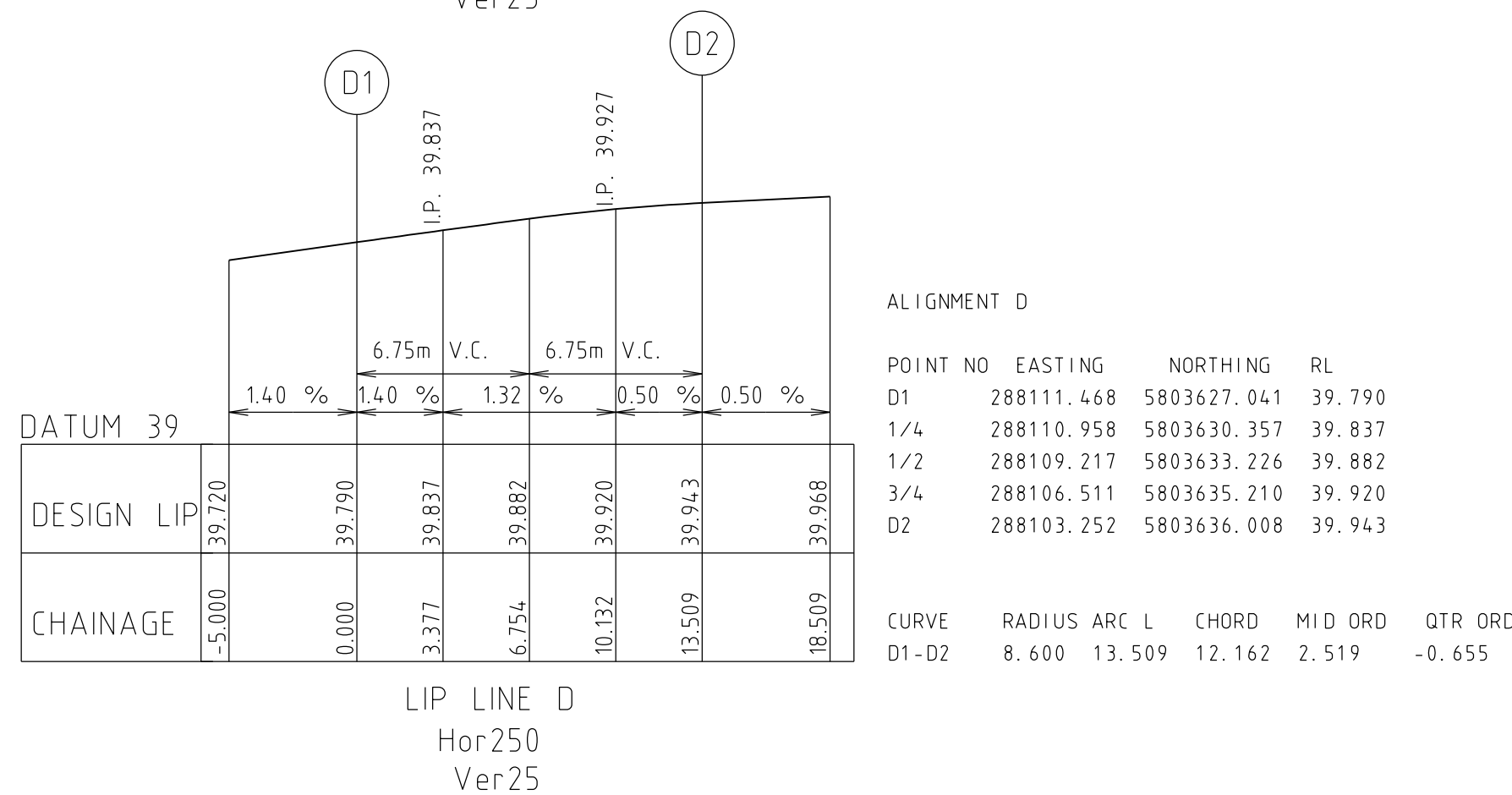
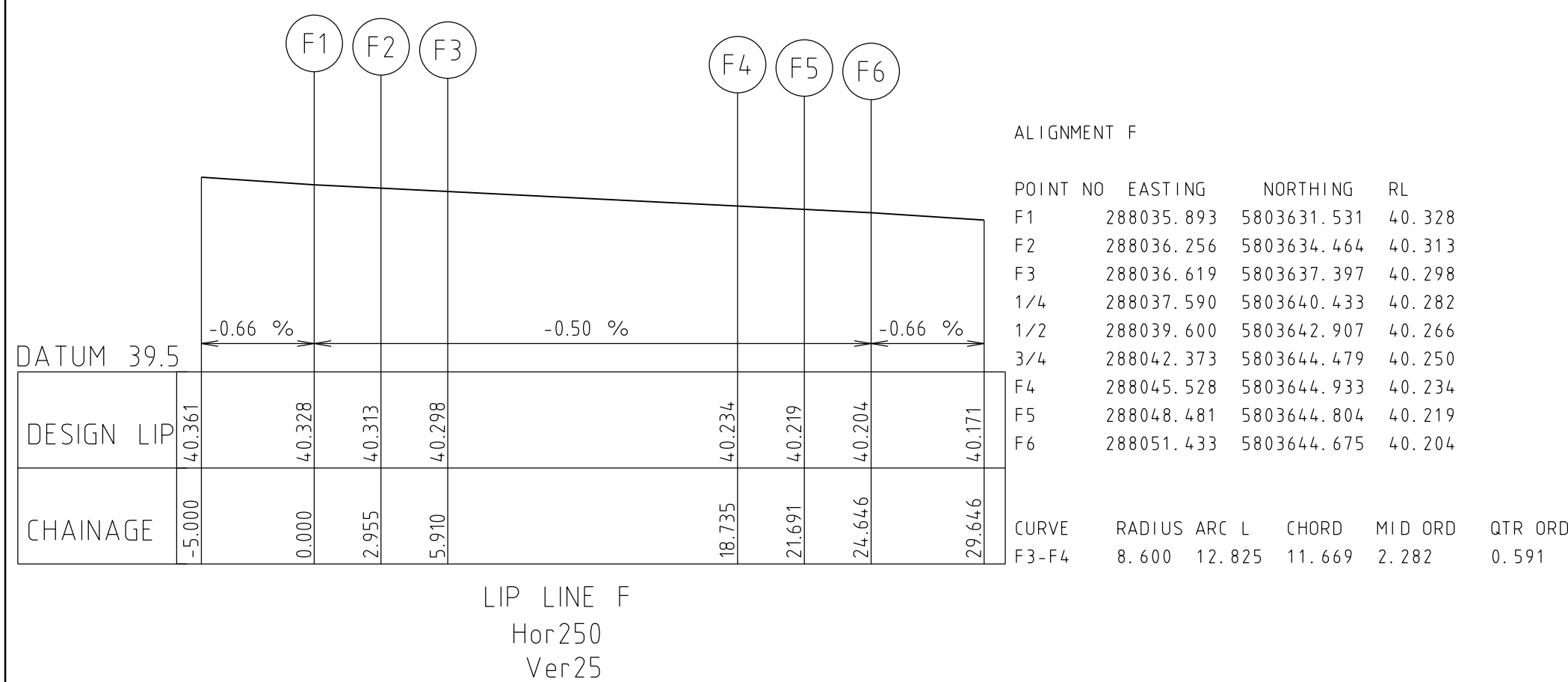
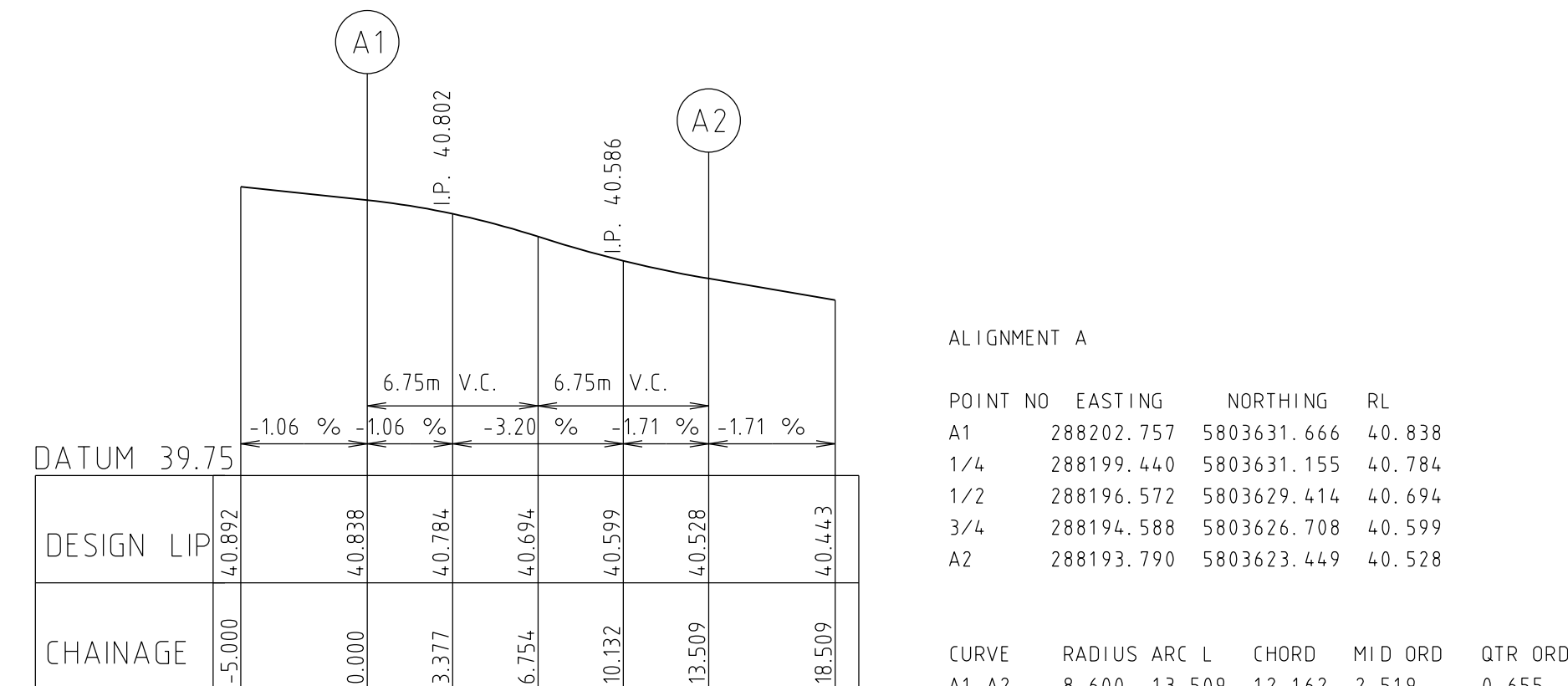
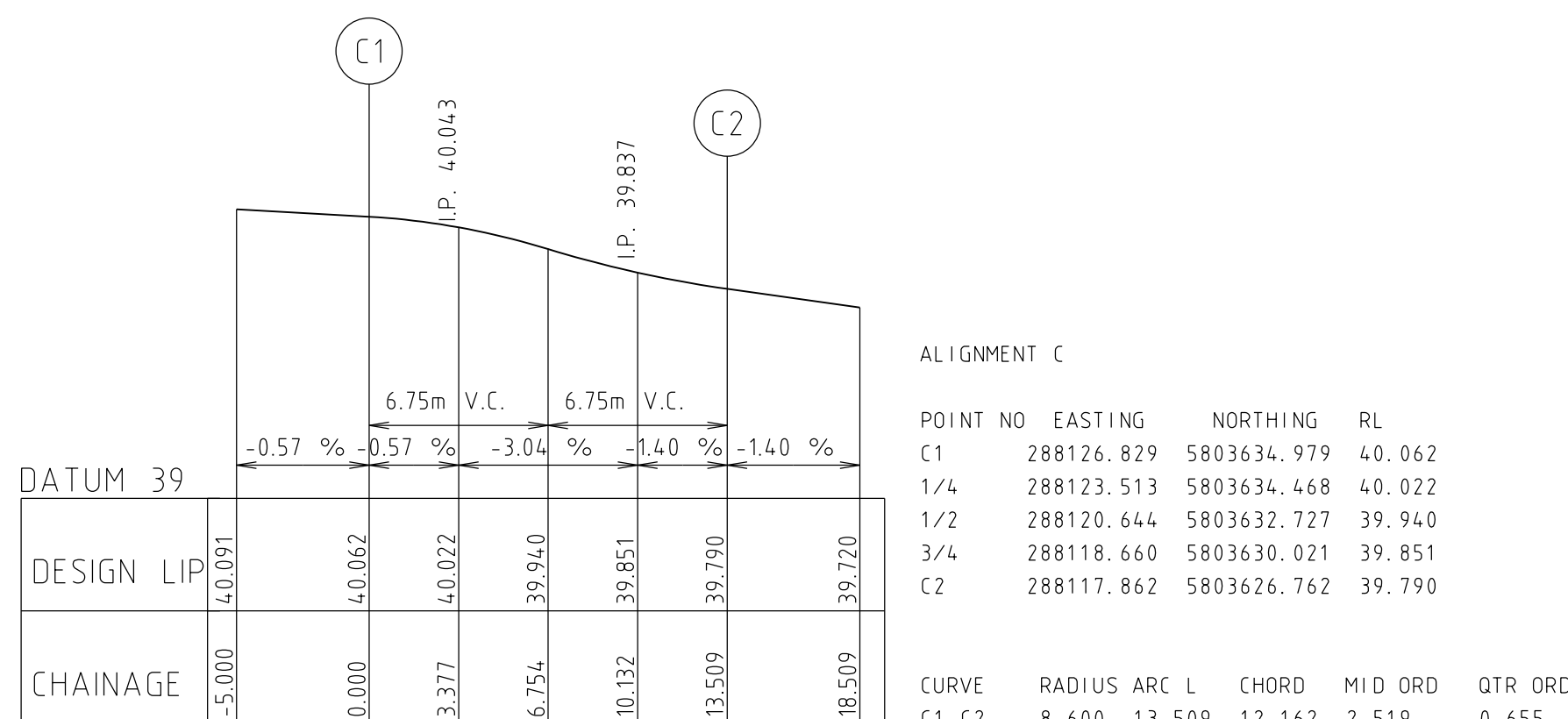
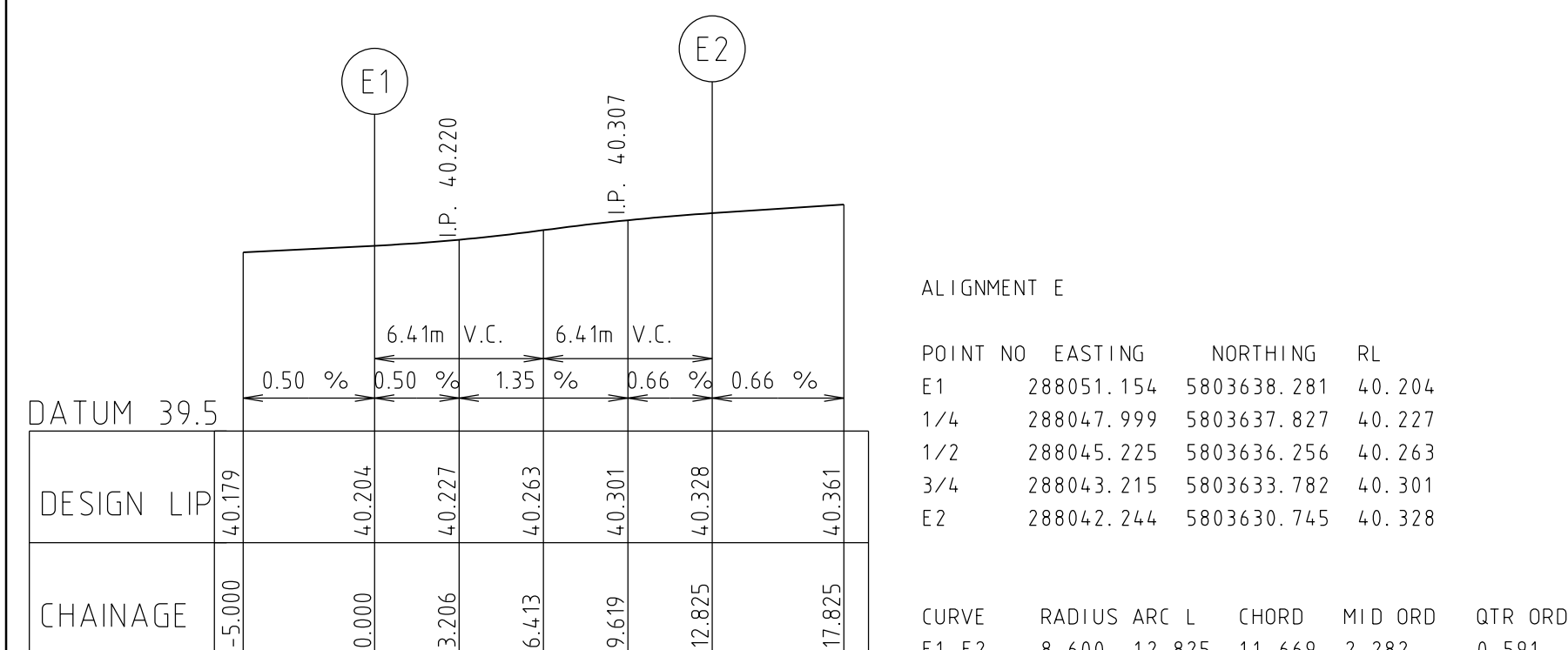
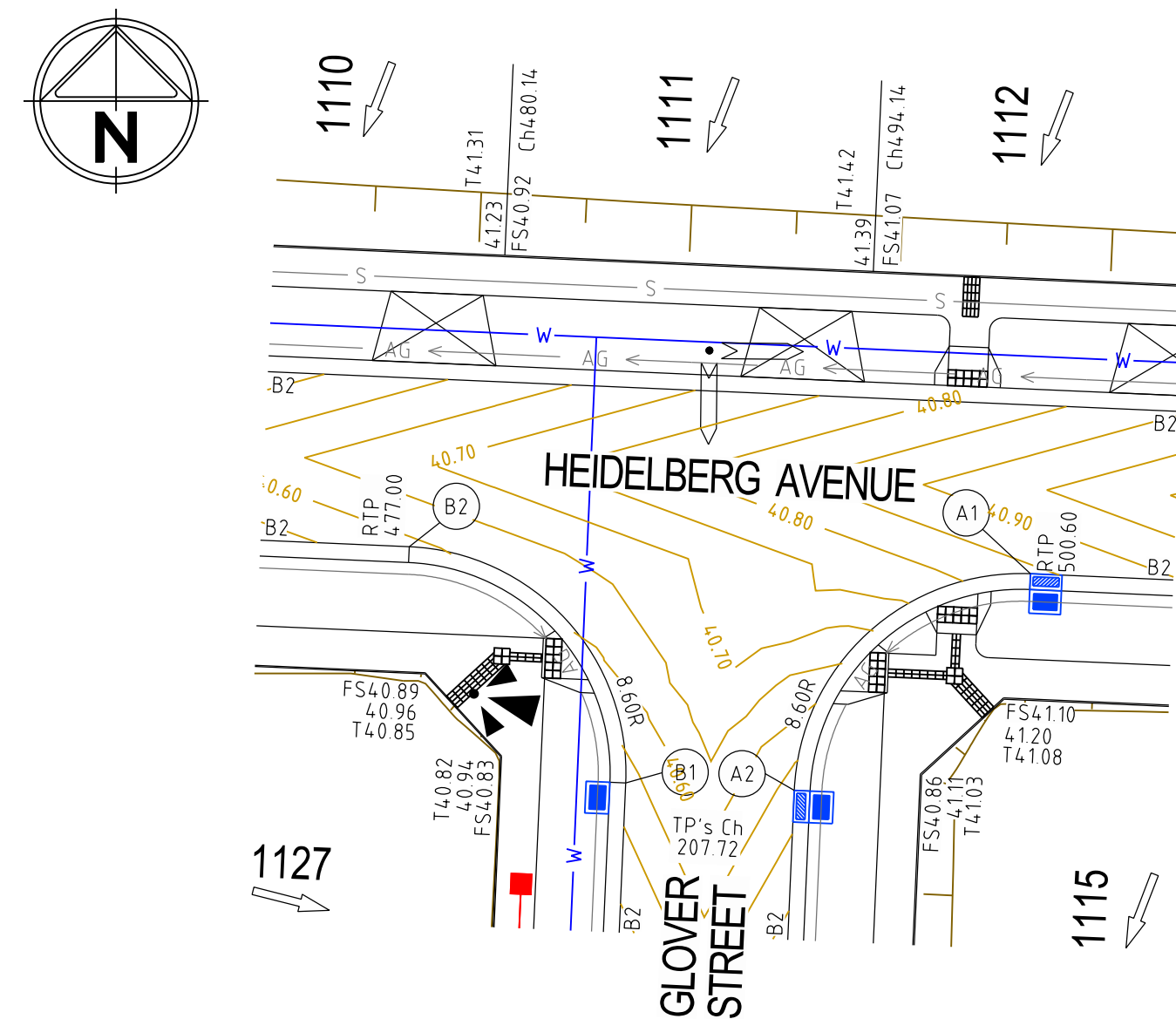
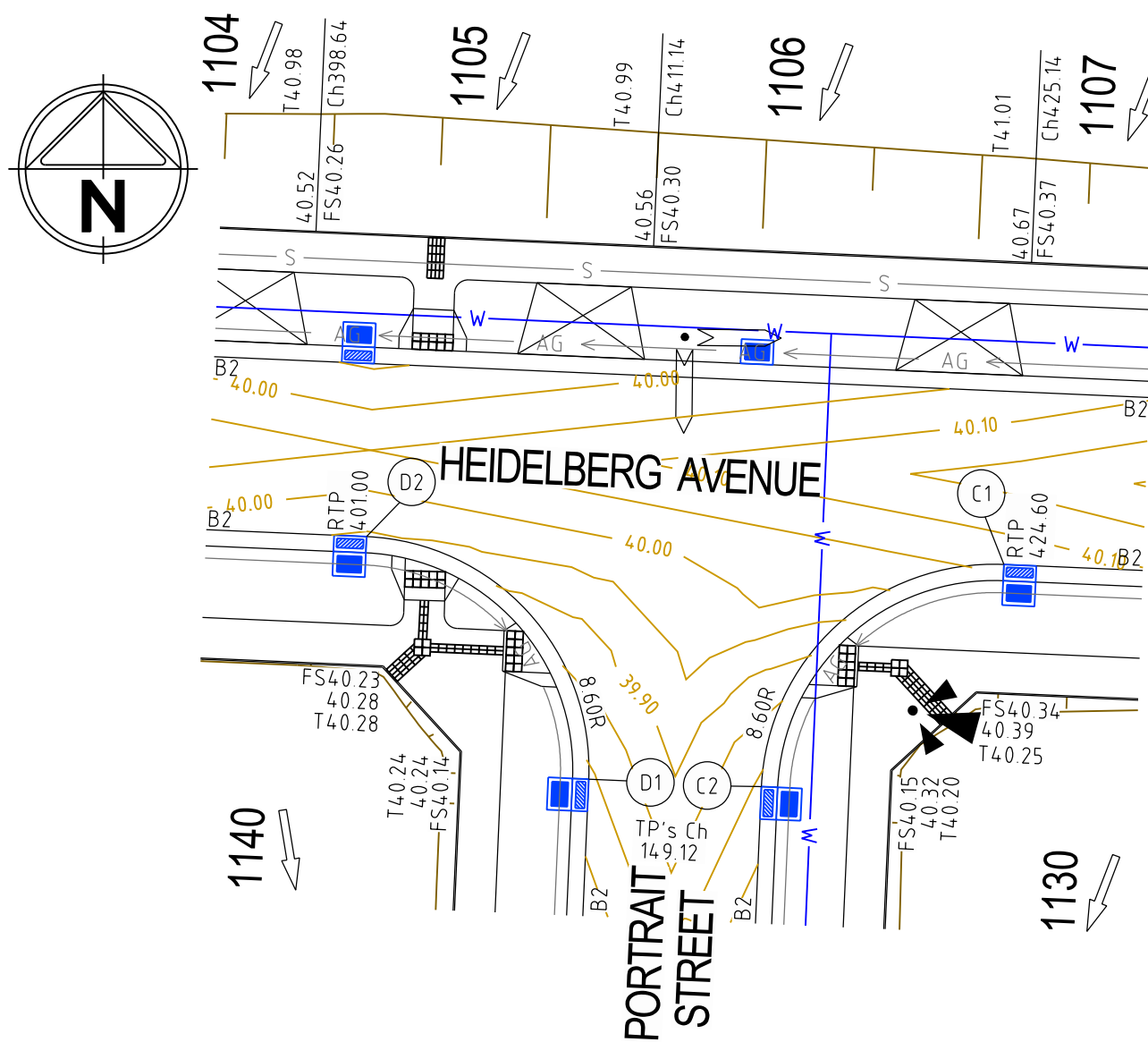
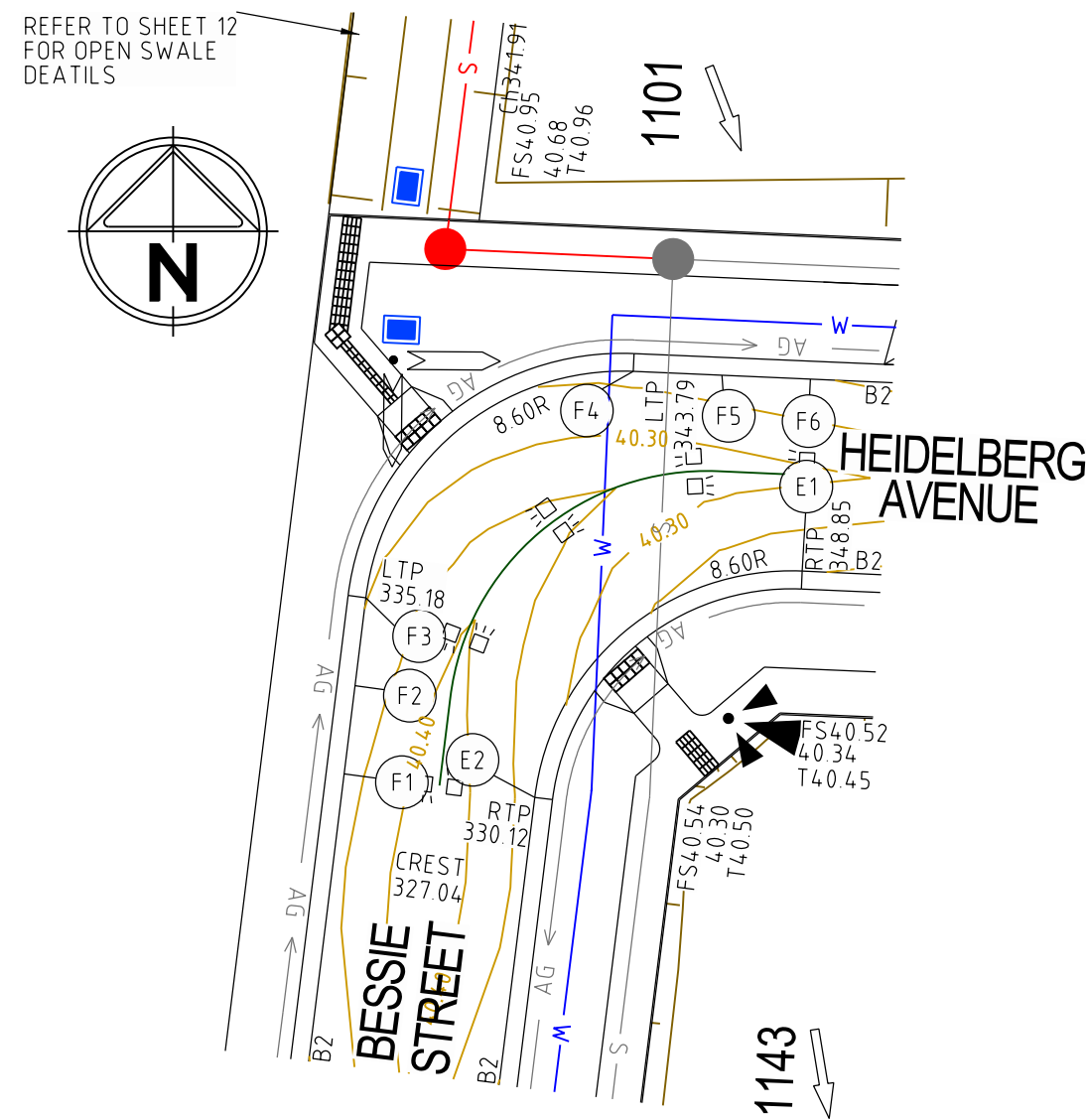
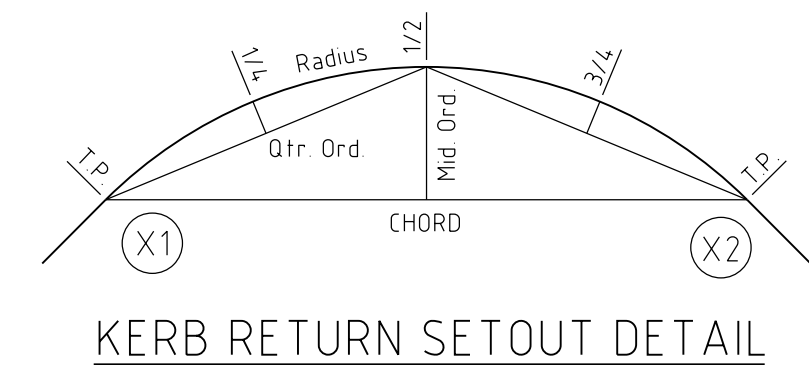
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**MAMBOURIN ESTATE
STAGE 11**

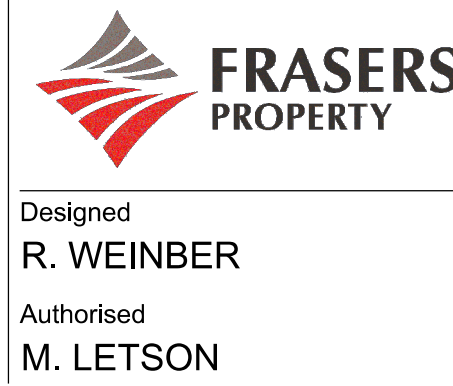
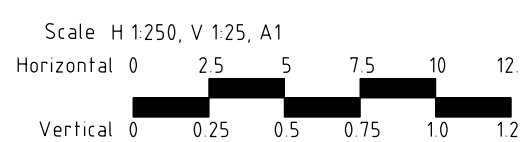
CROSS SECTIONS - GLOVER STREET
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No **305176R07**

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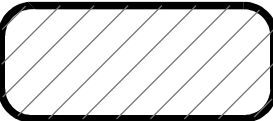
**MAMBOURIN ESTATE
STAGE 11**

INTERSECTION DETAILS
FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No
305176R08

Rev
0

CRUSHED ROCK BACKFILL LEGEND



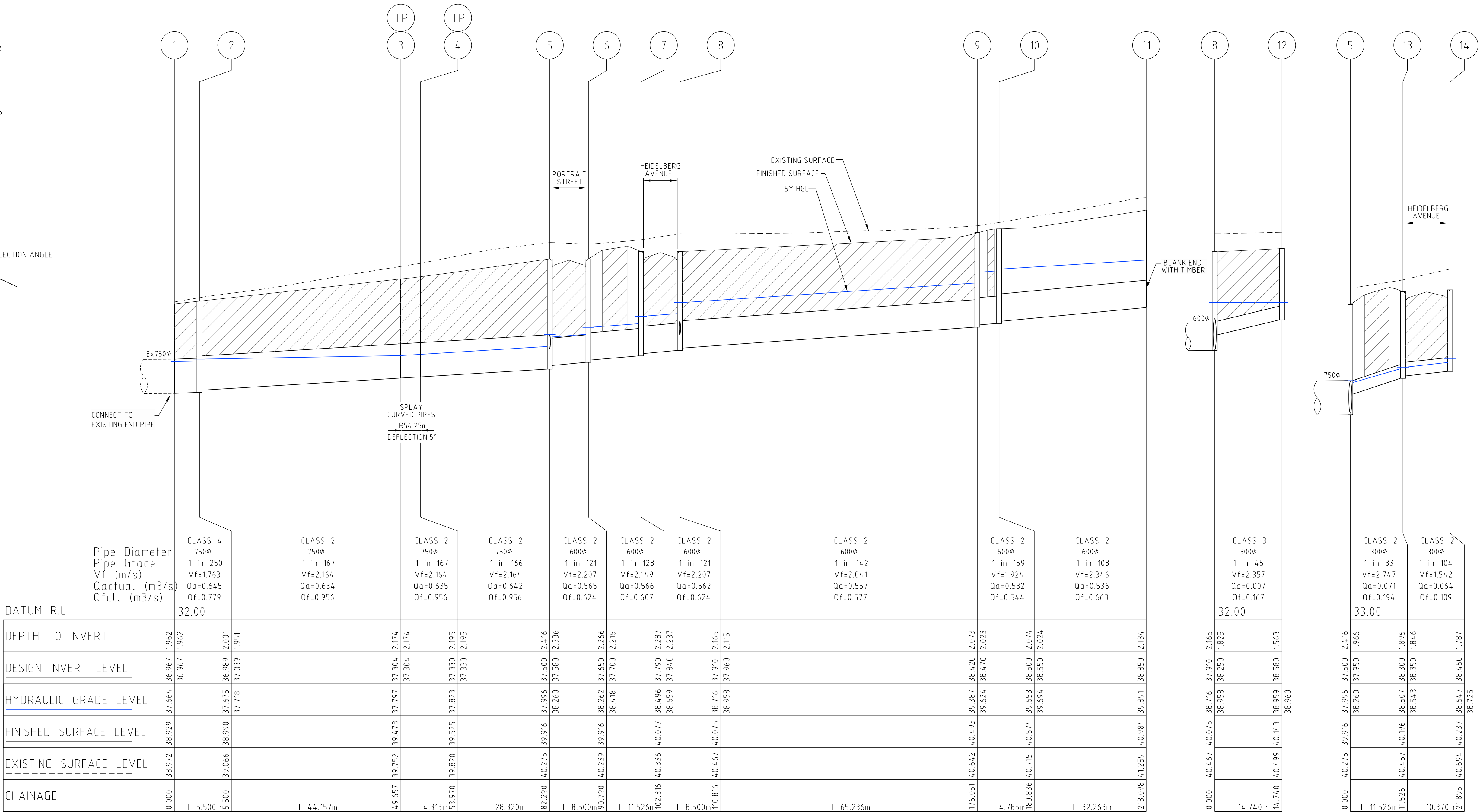
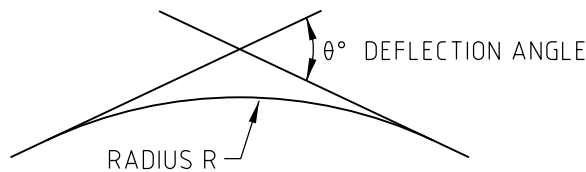
CLASS 2 CRUSHED ROCK



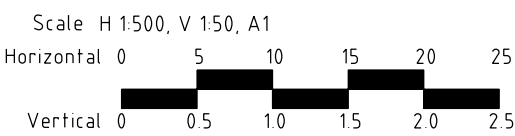
CLASS 3 CRUSHED ROCK

NOTE:

- ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
- DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
- CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
- CURVED PIPE ALIGNMENTS TO BE ARCHIVED USING EITHER:
a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION.



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M. LETSON

Checked
J. KOEHLER

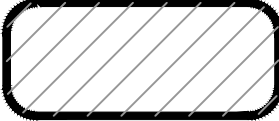
Date
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**MAMBOURIN ESTATE
STAGE 11
DRAINAGE LONG SECTION
SHEET 1 OF 3**

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No **305176R09** Rev **0**

CRUSHED ROCK BACKFILL LEGEND



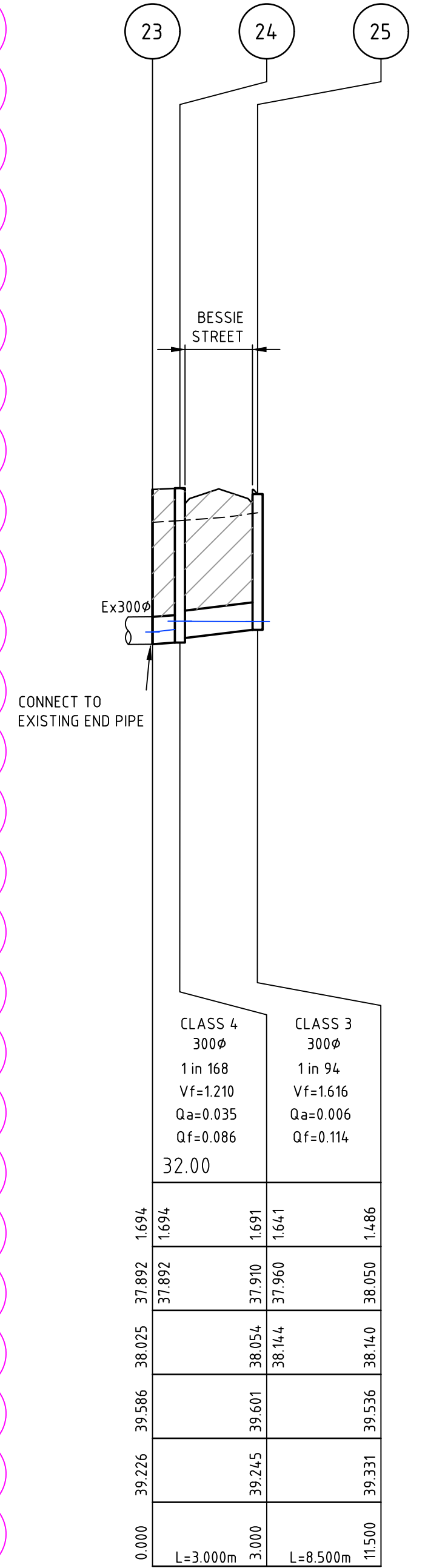
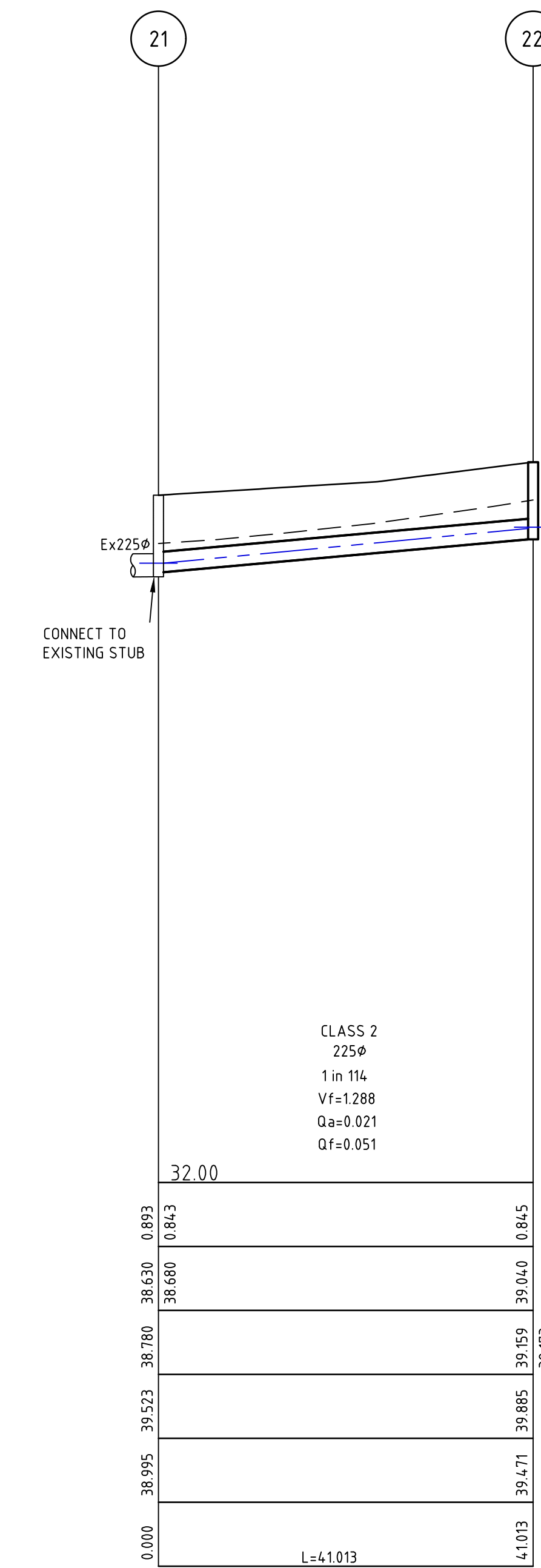
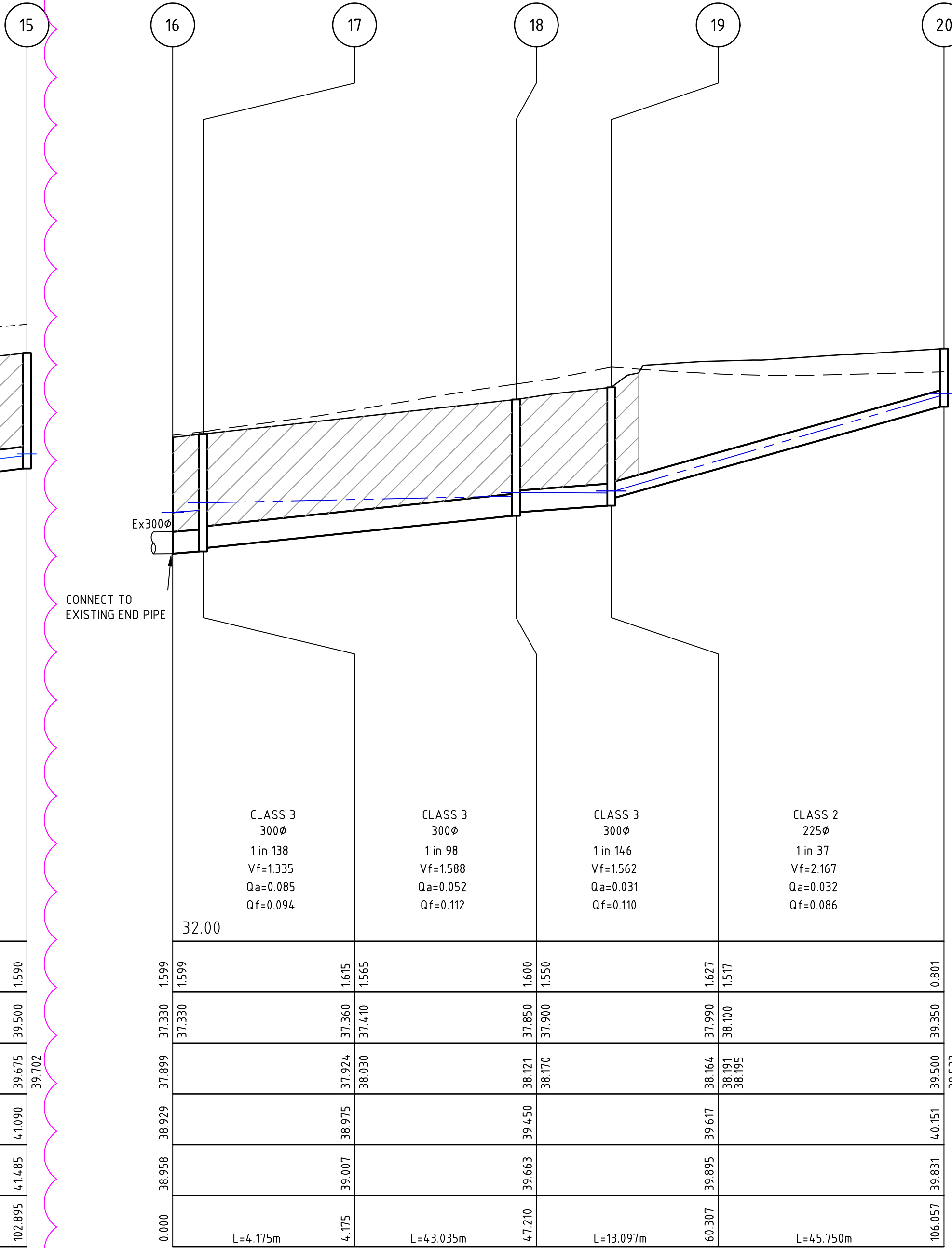
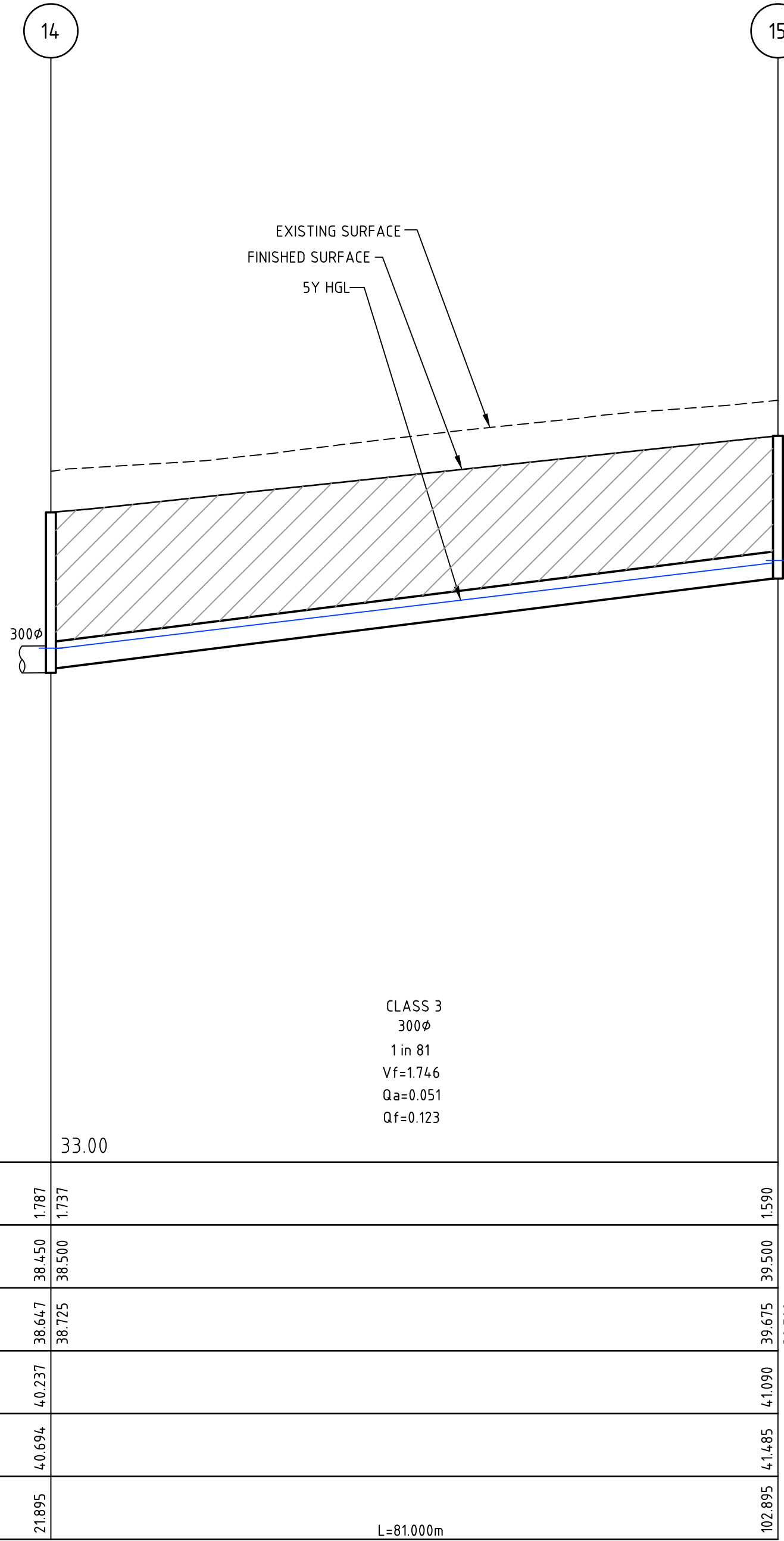
CLASS 2 CRUSHED ROCK



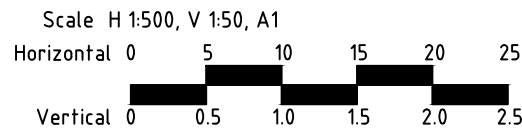
CLASS 3 CRUSHED ROCK

NOTE:

1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750 ϕ ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING EITHER:
a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION.



1	AMENDED LOT LAYOUT	M.L.	29/05/20
0	CONSTRUCTION ISSUE	M.L.	06/09/19
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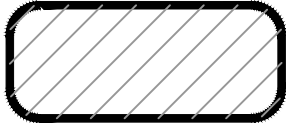
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FRASERS PROPERTY
Designed
R. WEINBER
Authorised
M. LETSON

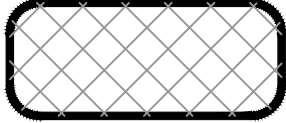
Checked
J. KOEHLER
Date
29/05/20

MAMBOURIN ESTATE
STAGE 11
DRAINAGE LONG SECTION
SHEET 2 OF 3
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL
CONSTRUCTION Drg No 305176R10 Rev 1

CRUSHED ROCK BACKFILL LEGEND



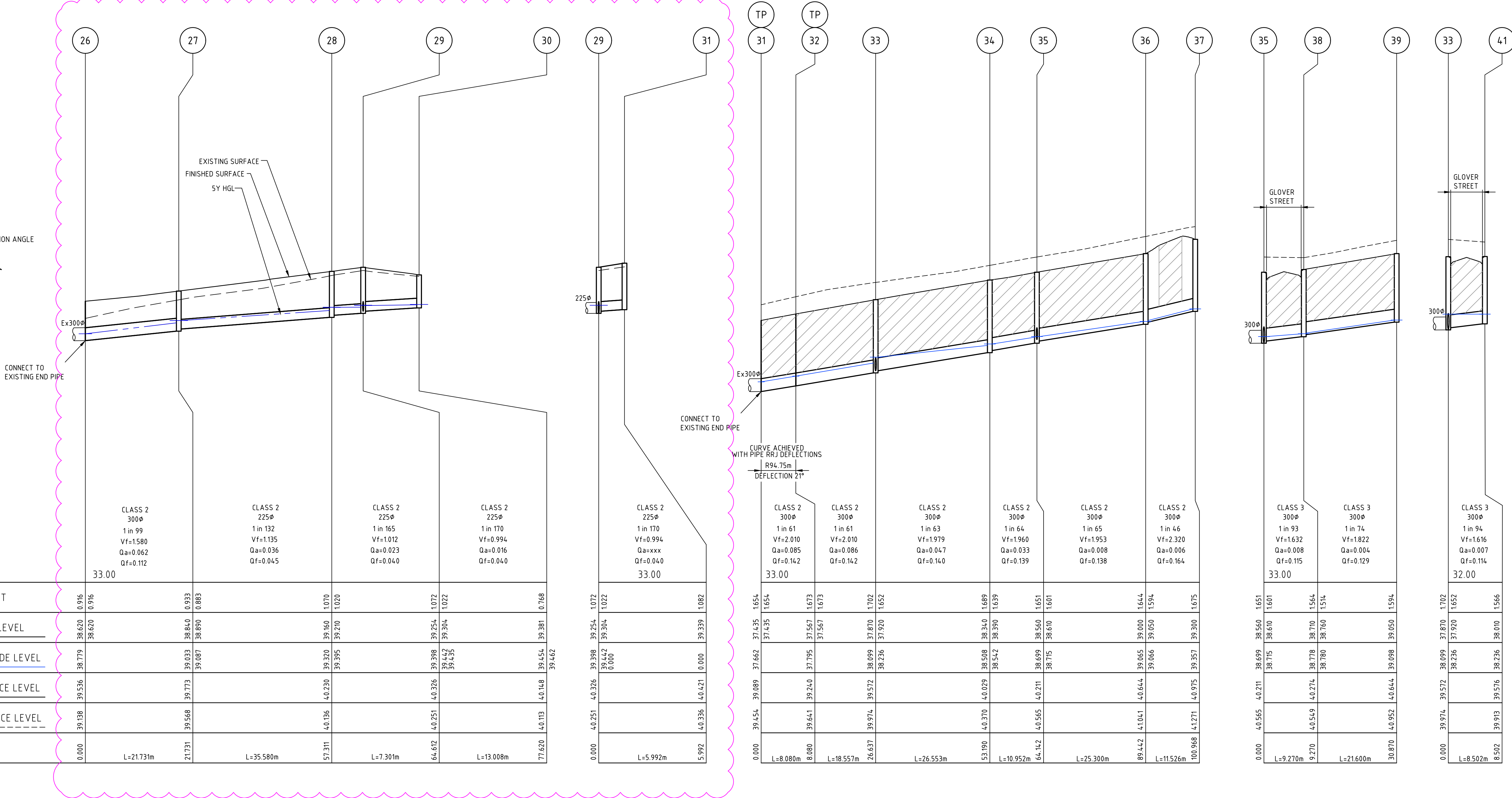
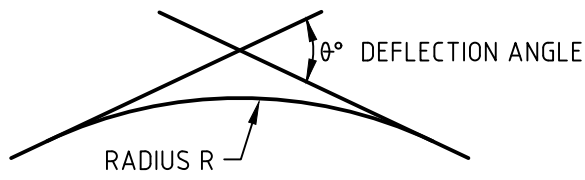
CLASS 2 CRUSHED ROCK



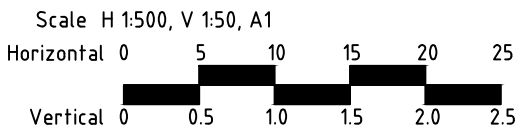
CLASS 3 CRUSHED ROCK

NOTE:

1. ALL PIPES TO BE RRJ DENOTES RUBBER RING JOINTED UNLESS NOTED OTHERWISE.
2. DRAINAGE PIPES GREATER THAN 750Ø ARE TO BE FLUSH JOINTED (FJ) WITH EXTERNAL SEALING BANDS.
3. CCTV FOOTAGE IS TO BE PROVIDED TO WCC FOR REVIEW FOR ALL CLASS 4 RCP PIPES WITH THE ROAD RESERVE. CCTV SHALL BE UNDERTAKEN AFTER BACKFILLING AND PAVEMENT WORK.
4. CURVED PIPE ALIGNMENTS TO BE ACHIVED USING EITHER:
a) SPLAY PIPES INSTALLED AS PER MANUFACTURES SPECIFICATION.



1	AMENDED LOT LAYOUT	M.L.	29/05/20
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J. KOEHLER

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29/05/20

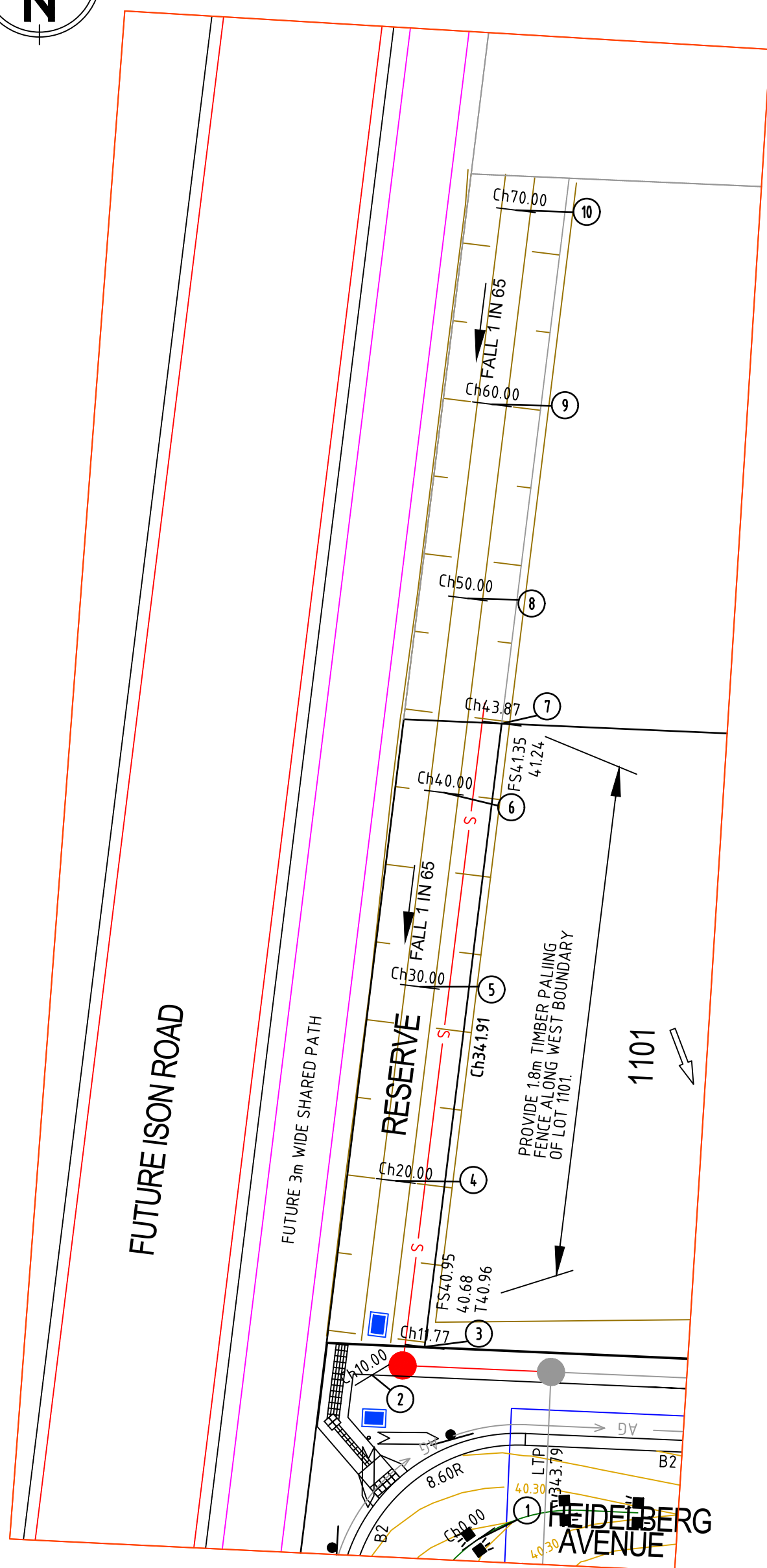
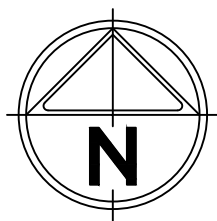
MAMBOURIN ESTATE
STAGE 11
DRAINAGE LONG SECTION
SHEET 3 OF 3

FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL

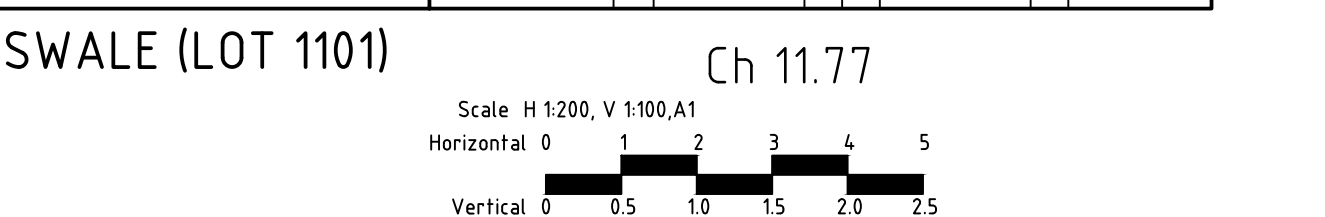
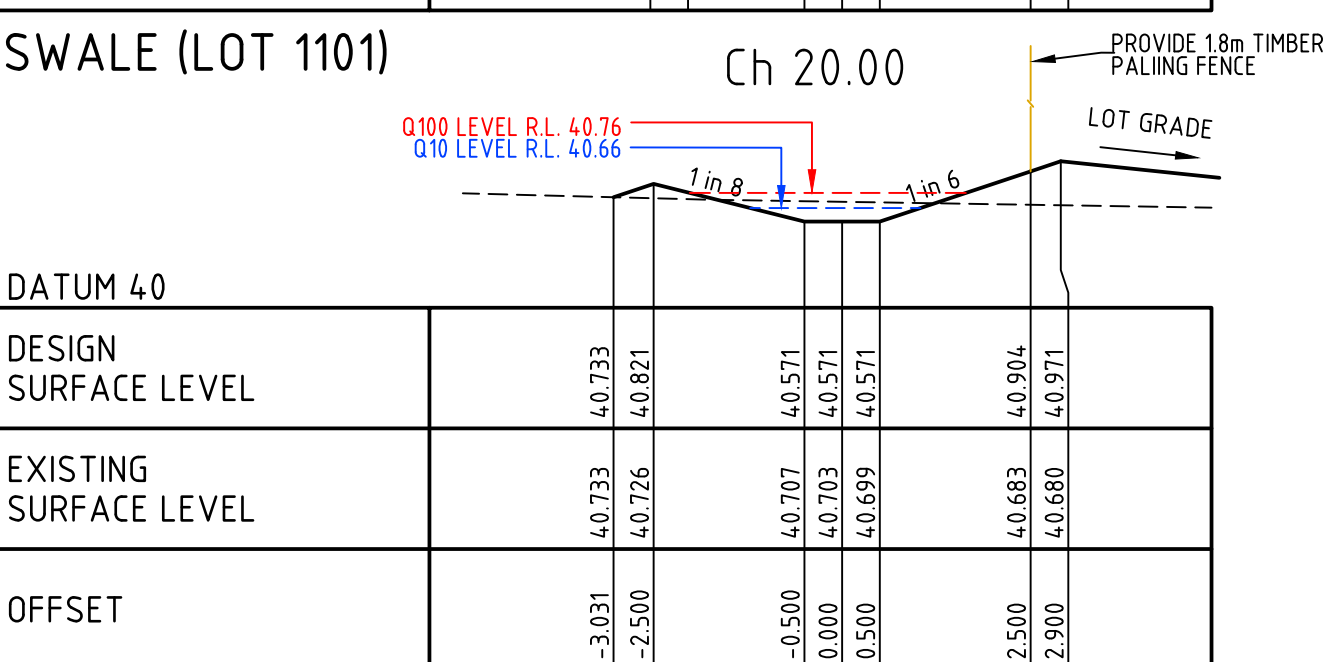
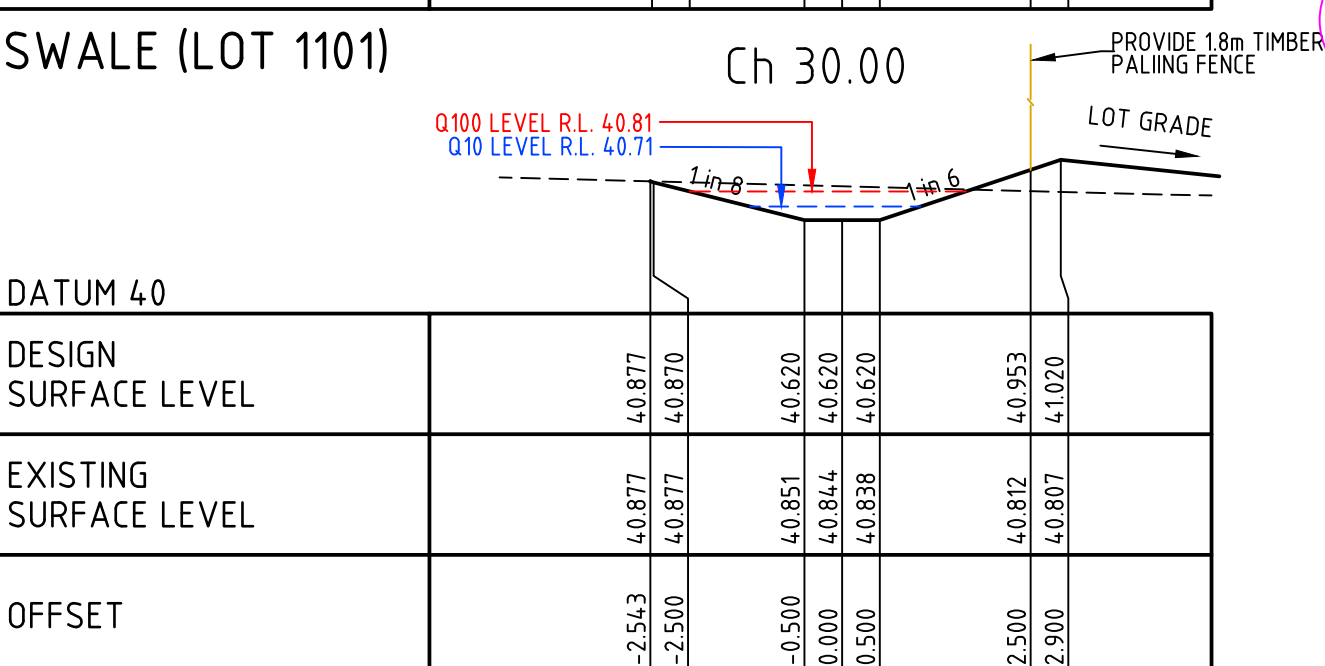
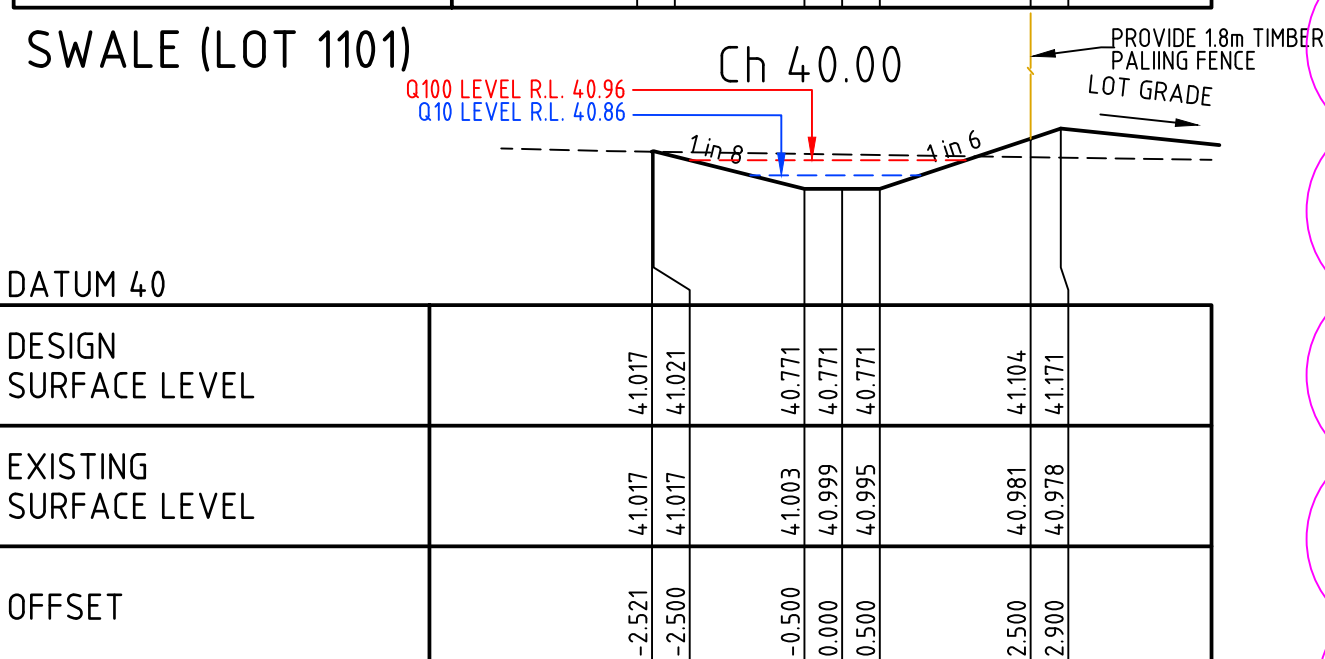
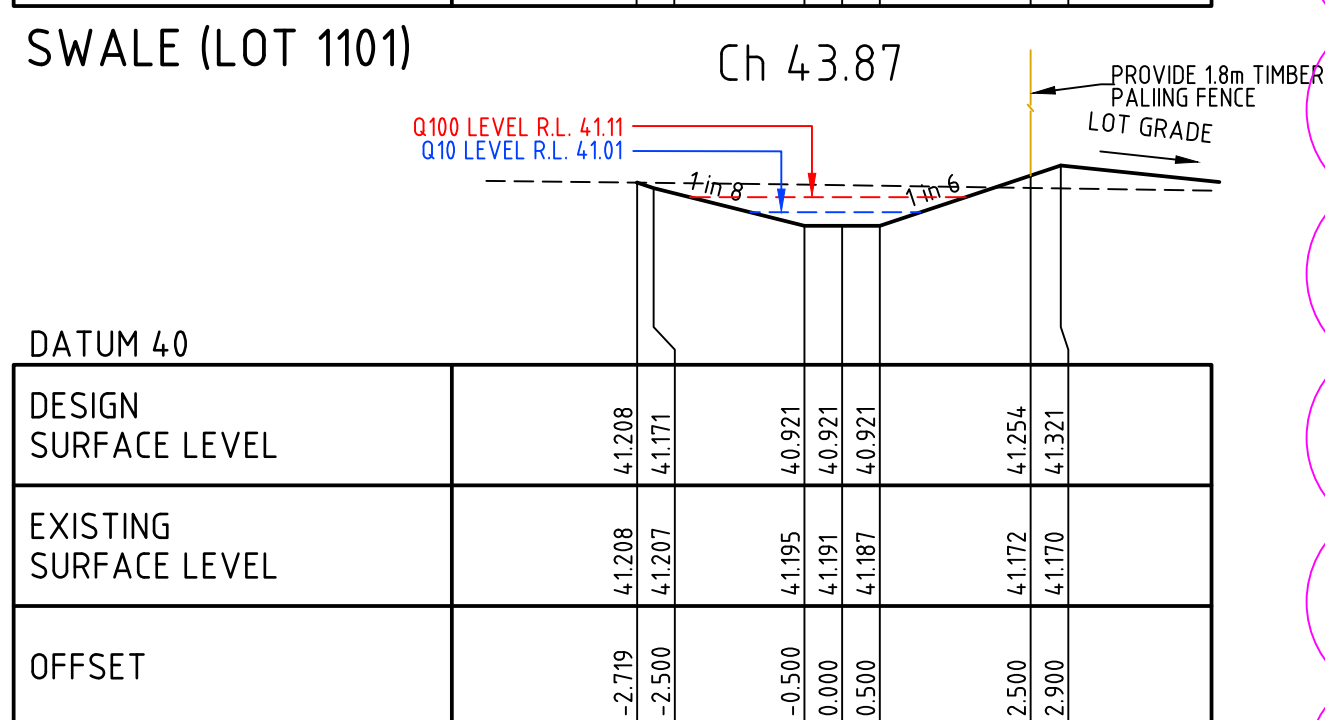
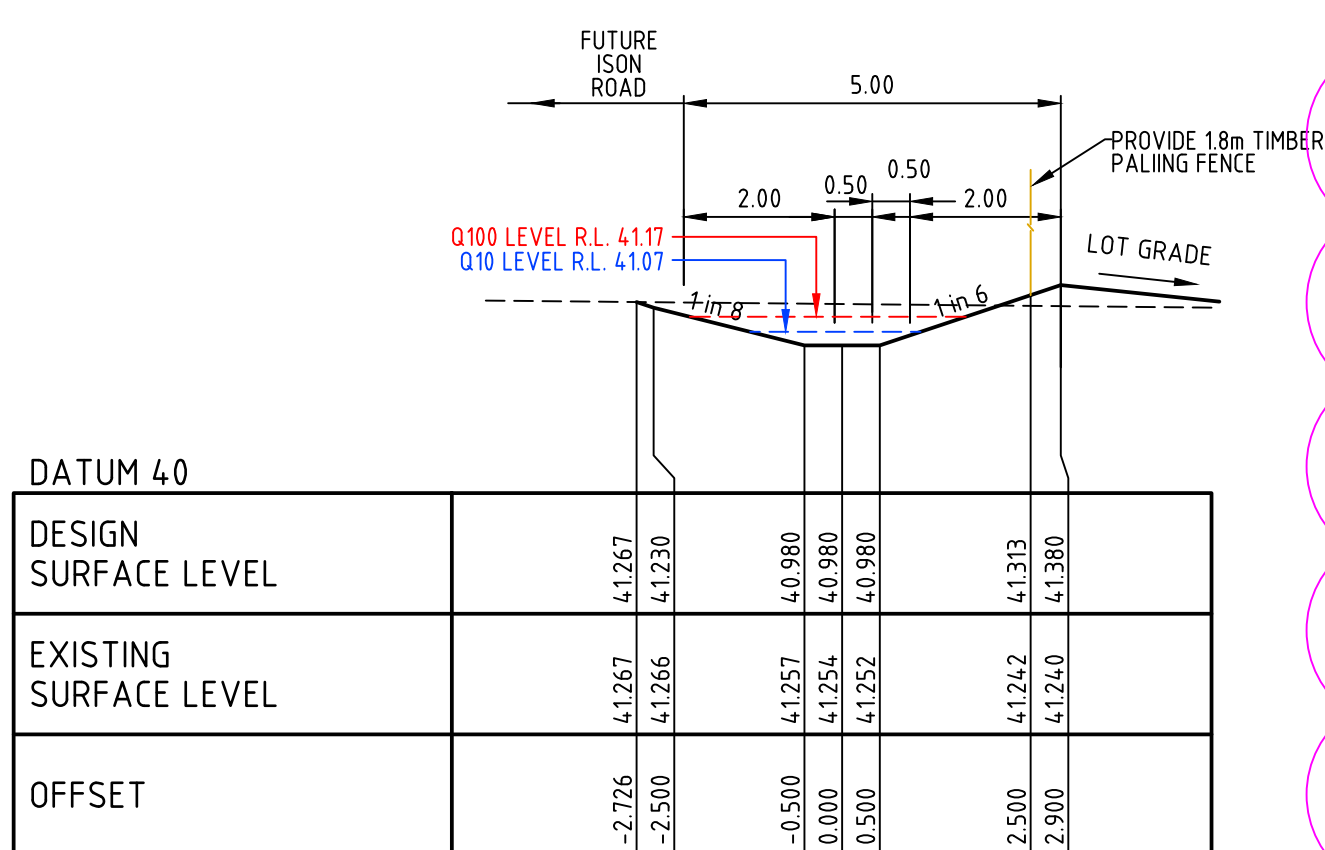
CONSTRUCTION

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305176R11

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1

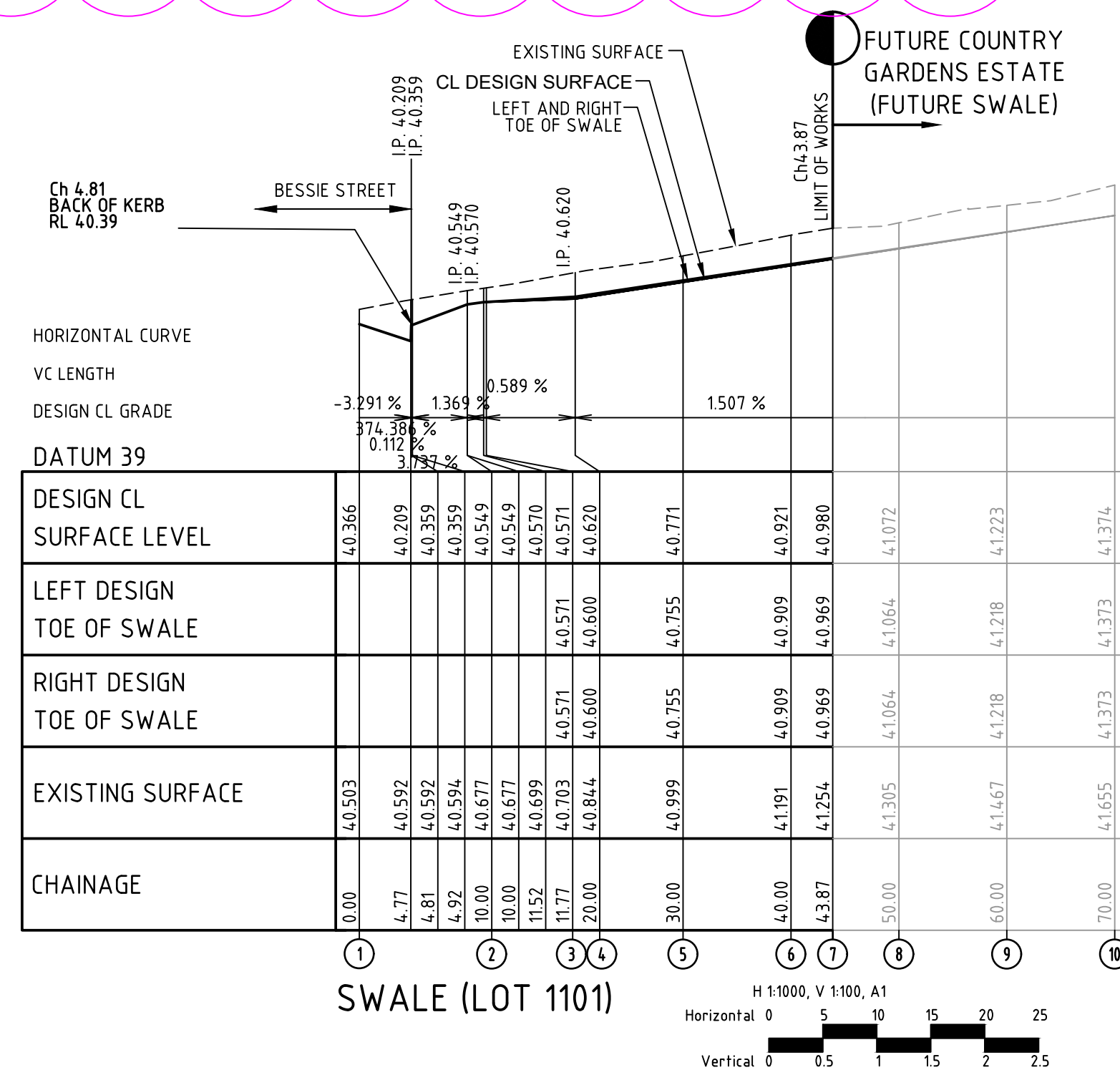


Scale H 1:250, V 1:25, A1
Horizontal 0 2.5 5 7.5 10 12.5
Vertical 0 0.25 0.5 0.75 1.0 1.25



DRAINAGE PIT SCHEDULE

PIT NAME	TYPE	INTERNAL		INLET		OUTLET		PIT		REMARKS
		LENGTH	WIDTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
1	EXISTING END PIPE			750	36.967			38.929	1.962	CONNECT EXISTING END PIPE CONSTRUCTED WITH STAGE 10 WORKS
2	SIDE ENTRY PIT GRATED	900	900	750	37.039	750	36.989	38.990	2.001	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
3	TANGENT POINT			750	37.304	750	37.304	39.478	2.174	PIPE TANGENT POINT
4	TANGENT POINT			750	37.330	750	37.330	39.525	2.195	PIPE TANGENT POINT
5	SIDE ENTRY PIT GRATED	900	900	600	37.580	750	37.500	39.916	2.416	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
6	SIDE ENTRY PIT GRATED	900	900	300	37.950					
7	SIDE ENTRY PIT GRATED	900	900	600	37.700	600	37.650	39.916	2.266	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
8	SIDE ENTRY PIT GRATED	900	900	600	37.840	600	37.790	40.077	2.287	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
9	SIDE ENTRY PIT GRATED	900	900	600	37.960	600	37.910	40.075	2.165	REFER DRAWING - EDCM 601 (PROVIDE HAUNCHING UNDER KERB)
10	JUNCTION PIT	900	900	300	38.250					
11	JUNCTION PIT	900	900	600	38.470	600	38.420	40.482	2.062	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING UNDER KERB)
12	JUNCTION PIT	900	900	600	38.550	600	38.500	40.567	2.067	REFER DRAWING - EDCM 605 (PROVIDE HAUNCHING)
13	END PIPE					600	38.850	41.076	2.226	BLANK END WITH TIMBER
14	JUNCTION PIT	900	600			300	38.580	40.143	1.563	REFER DRAWING - EDCM 605
15	SIDE ENTRY PIT GRATED	900	600	300	38.350	300	38.300	40.196	1.896	REFER DRAWING - EDCM 603
16	SIDE ENTRY PIT GRATED	900	600	300	38.500	300	38.450	40.237	1.787	REFER DRAWING - EDCM 603
17	SIDE ENTRY PIT GRATED	900	600			300	39.500	41.090	1.590	REFER DRAWING - EDCM 603
18	EXISTING END PIPE			300	37.330			38.929	1.599	CONNECT EXISTING END PIPE CONSTRUCTED WITH STAGE 10 WORKS
19	SIDE ENTRY PIT GRATED	900	600	300	37.410	300	37.360	38.975	1.615	REFER DRAWING - EDCM 603
20	JUNCTION PIT	900	600	300	37.900	300	37.850	39.450	1.600	REFER DRAWING - EDCM 605
21	JUNCTION PIT	900	600	225	38.100	300	37.990	39.617	1.627	REFER DRAWING - EDCM 605
22	JUNCTION PIT	900	600			225	39.350	40.151	0.801	REFER DRAWING - EDCM 605
23	EXISTING JUNCTION PIT			225	38.680			39.523	0.893	CONNECT EXISTING STUB CONSTRUCTED WITH STAGE 10 WORKS
24	JUNCTION PIT	900	600			225	39.040	39.885	0.845	REFER DRAWING - EDCM 605
25	EXISTING END PIPE			300	37.892			39.586	1.694	CONNECT EXISTING END PIPE CONSTRUCTED WITH STAGE 10 WORKS
26	SIDE ENTRY PIT GRATED	900	600	300	37.960	300	37.910	39.601	1.691	REFER DRAWING - EDCM 603
27	SIDE ENTRY PIT GRATED	900	600			300	38.050	39.536	1.486	REFER DRAWING - EDCM 603
28	EXISTING END PIPE			300	38.620			39.536	0.916	CONNECT EXISTING END PIPE CONSTRUCTED WITH STAGE 10 WORKS
29	JUNCTION PIT	900	600	225	38.890	300	38.840	39.773	0.933	REFER DRAWING - EDCM 605
30	JUNCTION PIT	900	600	225	39.210	225	39.160	40.230	1.070	REFER DRAWING - EDCM 605
31	JUNCTION PIT	900	600	225	39.304	225	39.254	40.326	1.072	REFER DRAWING - EDCM 605
32	JUNCTION PIT	900	600			225	39.381	40.148	0.768	REFER DRAWING - EDCM 605
33	EXISTING END PIPE			300	37.435			39.089	1.654	CONNECT EXISTING END PIPE CONSTRUCTED WITH STAGE 10 WORKS
34	TANGENT POINT			300	37.567	300	37.567	39.240	1.673	PIPE TANGENT POINT
35	SIDE ENTRY PIT GRATED	900	600	300	37.920	300	37.870	39.572	1.702	REFER DRAWING - EDCM 603
36				300	37.920					
37	JUNCTION PIT	900	600	300	38.390	300	38.340	40.029	1.689	REFER DRAWING - EDCM 605
38	JUNCTION PIT	900	600	300	38.610	300	38.560	40.211	1.651	REFER DRAWING - EDCM 605
39				300	38.610					
40				225	38.670					
41	SIDE ENTRY PIT GRATED	900	600	300	39.050	300	39.000	40.644	1.644	REFER DRAWING - EDCM 603
42	SIDE ENTRY PIT GRATED	900	600			300	39.300	40.975	1.675	REFER DRAWING - EDCM 603
43	JUNCTION PIT	900	600	300	38.760	300	38.710	40.274	1.564	REFER DRAWING - EDCM 605
44	JUNCTION PIT	900	600			300	39.050	40.644	1.594	REFER DRAWING - EDCM 605
45	JUNCTION PIT	900	600			225	39.339	40.421	1.082	REFER DRAWING - EDCM 605
46	SIDE ENTRY PIT GRATED	900	600			300	38.010	39.576	1.566	REFER DRAWING - EDCM 603



1	AMENDED LOT LAYOUT	M.L.	29/05/20
0	CONSTRUCTION ISSUE	M.L.	06/09/19
Rev	Amendments	Approved	Date

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FRASERS PROPERTY
Designed
R. WEINBER
Authorised
M. LETSON

Checked
J. KOEHLER
Date
29/05/20

MAMBOURIN ESTATE
STAGE 11
DRAINAGE PIT SCHEDULE
SWALE DETAIL, LONG SECTION & CROSS SECTION
FRASER PROPERTY AUSTRALIA
WYNDHAM CITY COUNCIL
CONSTRUCTION Drg No 305176R12 Rev 1

DESIGN PAVEMENT PROFILE FOR ACCESS STREET LEVEL 1

	PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)
			ACCESS STREET LVL 1
A	ASPHALT WEARING COURSE	Size 10mm Type N, Class 170 binder	30
B	ASPHALT BASE COURSE	Size 10mm Type N, Class 170 binder	30
C		SAMI (size 10 Class S18RF)	nominal
		Bituminous Prime	nominal
D	GRANULAR BASE	20mm Class 2 Fine Crushed Rock	130
		UPPER PAVEMENT TOTAL	190
E	GRANULAR SUBBASE	Class 3 Fine Crushed Rock	240
F	CAPPING LAYER	Type A material -Properties: CBR >8.0%, Swell <15 %, Permeability < 1E-9 m/s, To be compacted in 2 layers	150
G	ADDITIONAL SUBGRADE IMPROVEMENT	Type A - Working platform achieving CBR > 10%, Properties: CBR >8.0%, Swell <15 %, Permeability < 1E-9 m/s To be compacted in 2 layers	150
		TOTAL PAVEMENT DEPTH	730

NOTE:
REFER TO COFFEY SERVICES AUSTRALIA PTY LTD REPORT TITLED "GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN" FOR COMPACTION DETAILS.
BASED UPON A CONTROLLED FILL CBR OF 2%.

GENERAL NOTES:

1 ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE, OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.

2 ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH

3 CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT AND IN CORNERS OF FORMS.

4 PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.

5 CURING OF CONCRETE IS ESSENTIAL - IDEALLY BY MAINTAINING WET HESSIAN OR SEALING WITH PLASTIC SHEETING

6 SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.

7 ALL DOWELS TO BE GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. REFER CCAA- "CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS" FOR DOWEL DIAMETERS. DOWELS MUST BE ACCURATELY PLACED TO ENSURE THE JOINT DOES NOT "LOCK". INSERTION OF DOWELS DURING THE PLACING OF CONCRETE IS NOT ACCEPTABLE. DOWELS MUST BE SAWN AND NOT CROPPED.

8 ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER

PAVEMENT DETAILS

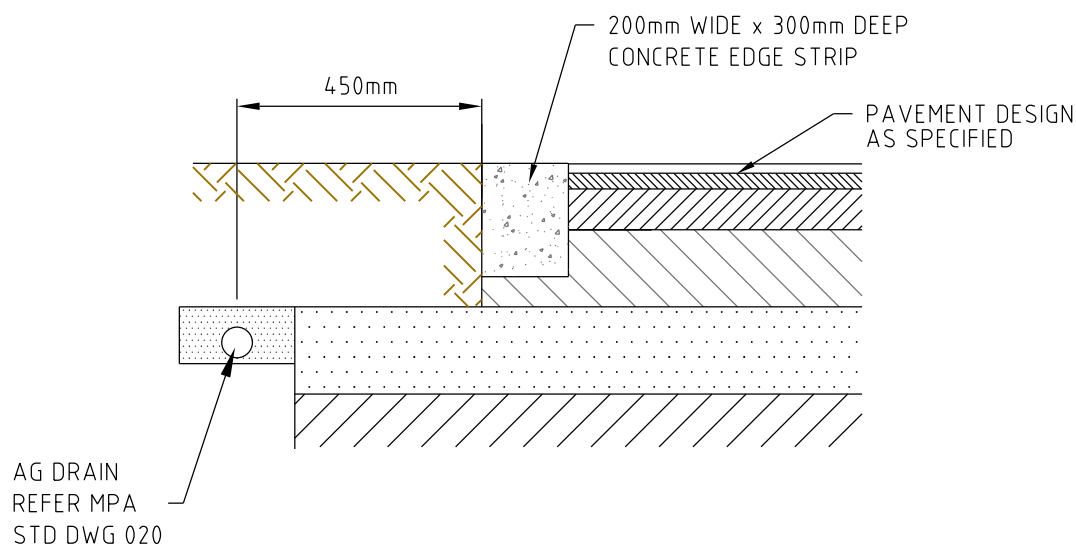
THE PAVEMENT DESIGNS SHOWN HERE HAVE BEEN DESIGNED/PROVIDED BY COFFEY SERVICES AUSTRALIA PTY LTD WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. SPIIRE IS NOT RESPONSIBLE FOR THE WORK OF COFFEY SERVICES AUSTRALIA PTY LTD

THE DESIGN HAS BEEN EXTRACTED FROM THE COFFEY SERVICES AUSTRALIA PTY LTD REPORT TITLED "GEOTECHNICAL INVESTIGATION INCLUDING PAVEMENT DESIGN, FILL SPECIFICATION AND RECOMMENDATIONS FOR SEWERS, RETAINING WALLS AND WETLANDS" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED. A COPY OF THE DOCUMENT WILL BE PROVIDED TO YOU ON REQUEST.

SPIIRE DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS. ANY QUERIES IN RESPECT TO THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS SHOULD BE ADDRESSED TO COFFEY SERVICES AUSTRALIA PTY LTD AND SENT TO SPIIRE.

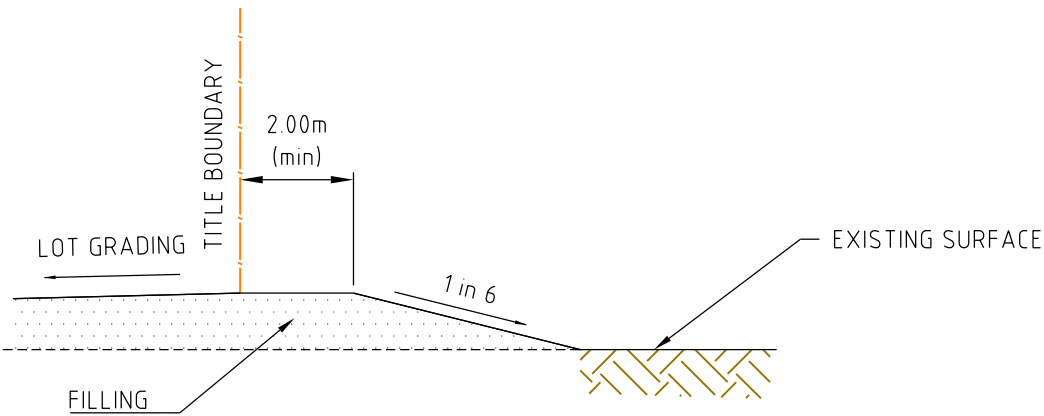
ROAD TYPE DESIGNATIONS

ROAD NAME	ROAD PAVEMENT TYPE
BESSIE STREET	ACCESS STREET LEVEL 1
HEIDELBERG AVENUE	ACCESS STREET LEVEL 1
PORTRAIT STREET	ACCESS STREET LEVEL 1
GLOVER STREET	ACCESS STREET LEVEL 1



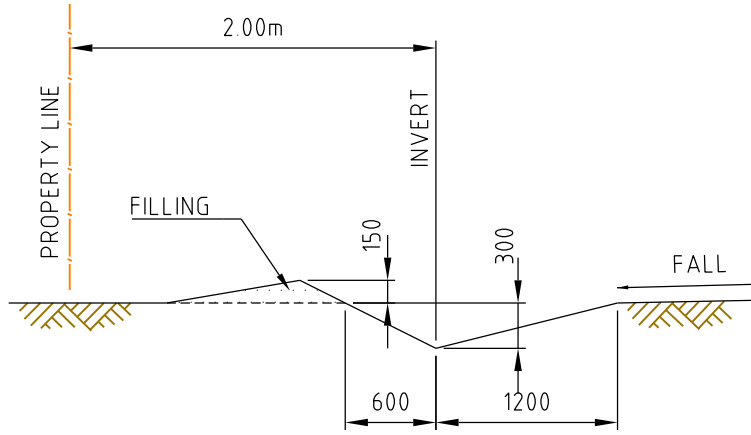
LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE - DETAIL

NTS



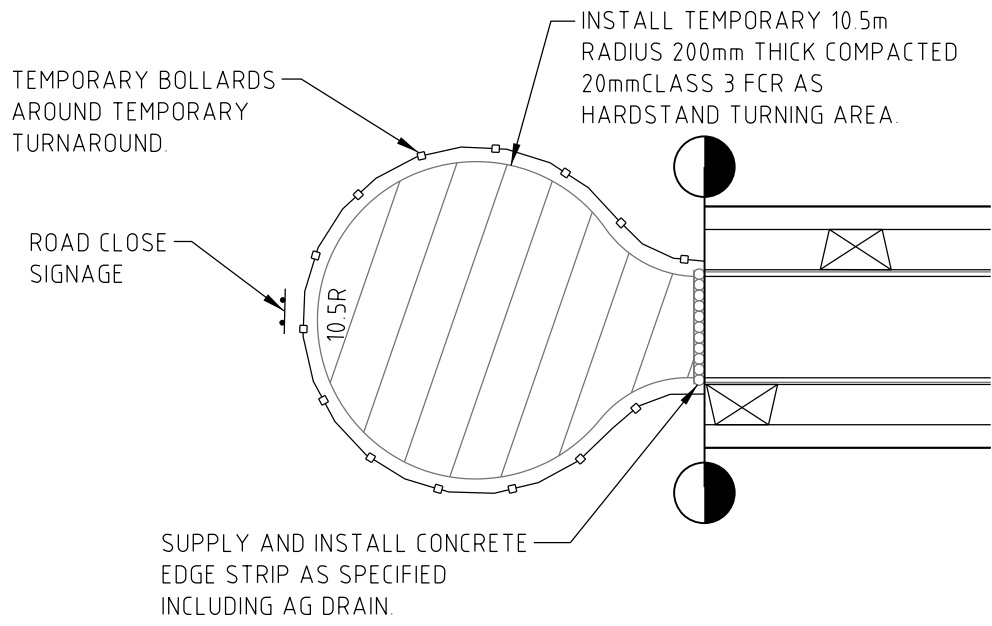
LOT FILLING AT STAGE BOUNDARY

NTS



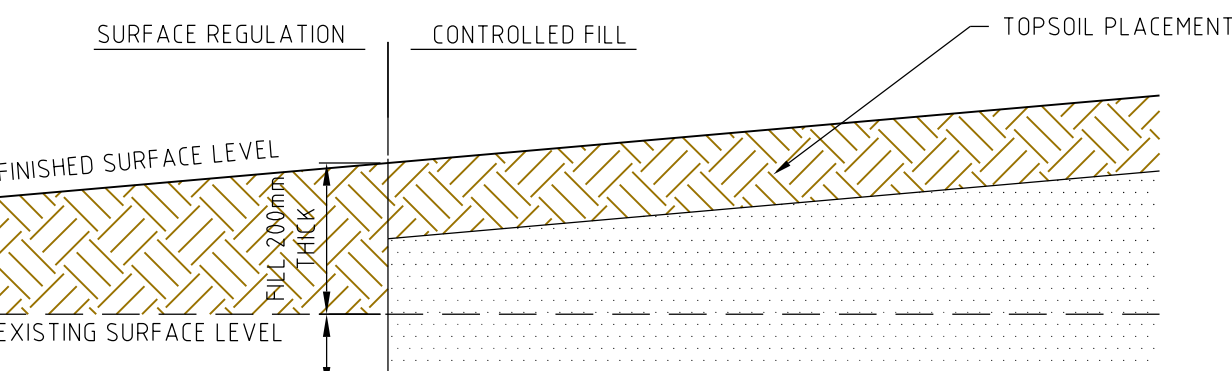
TYPICAL CATCH DRAIN SECTION

NTS



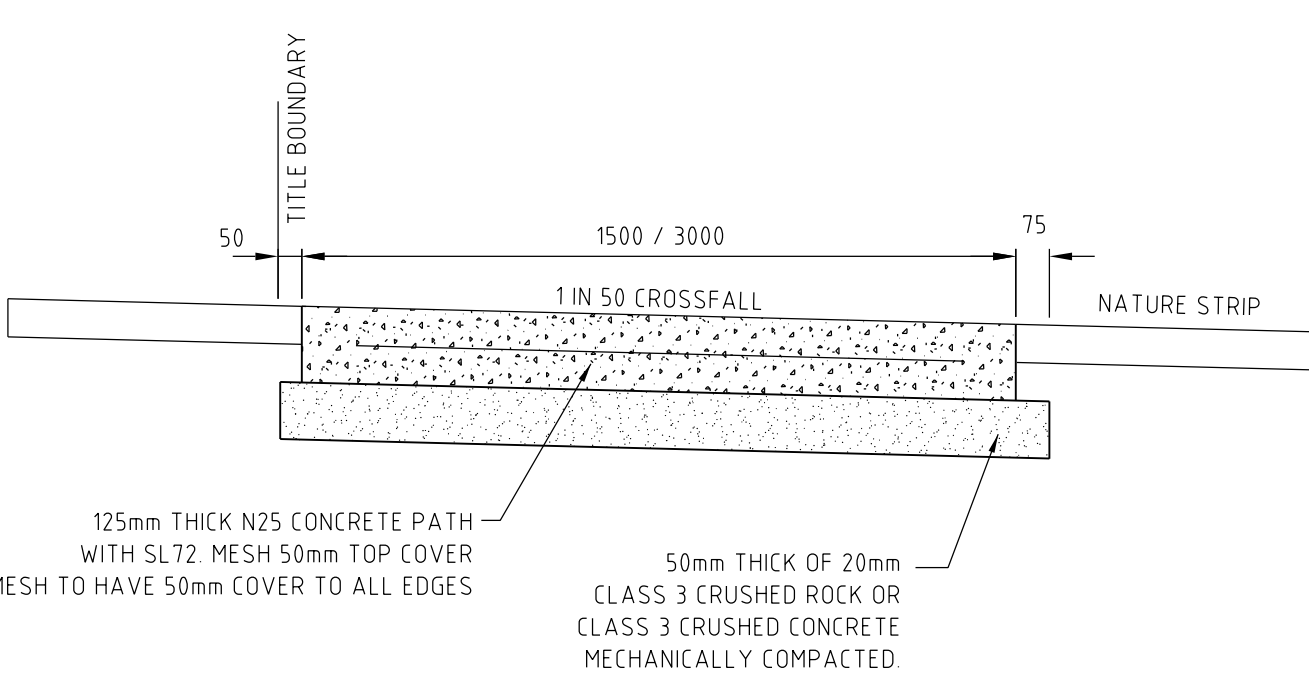
TEMPORARY TURNING AREA DETAIL

NTS



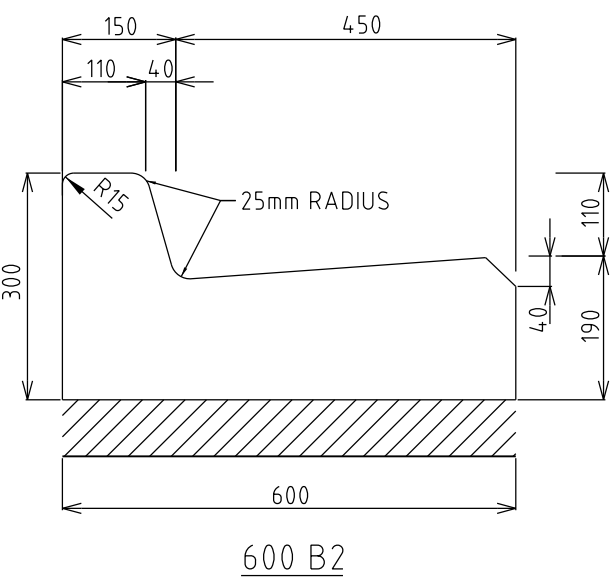
LOT REGRAIDING DETAIL

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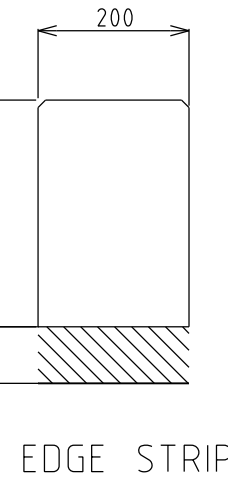
TYPICAL RESIDENTIAL FOOTPATH CROSS SECTION

NTS



STANDARD KERB PROFILES

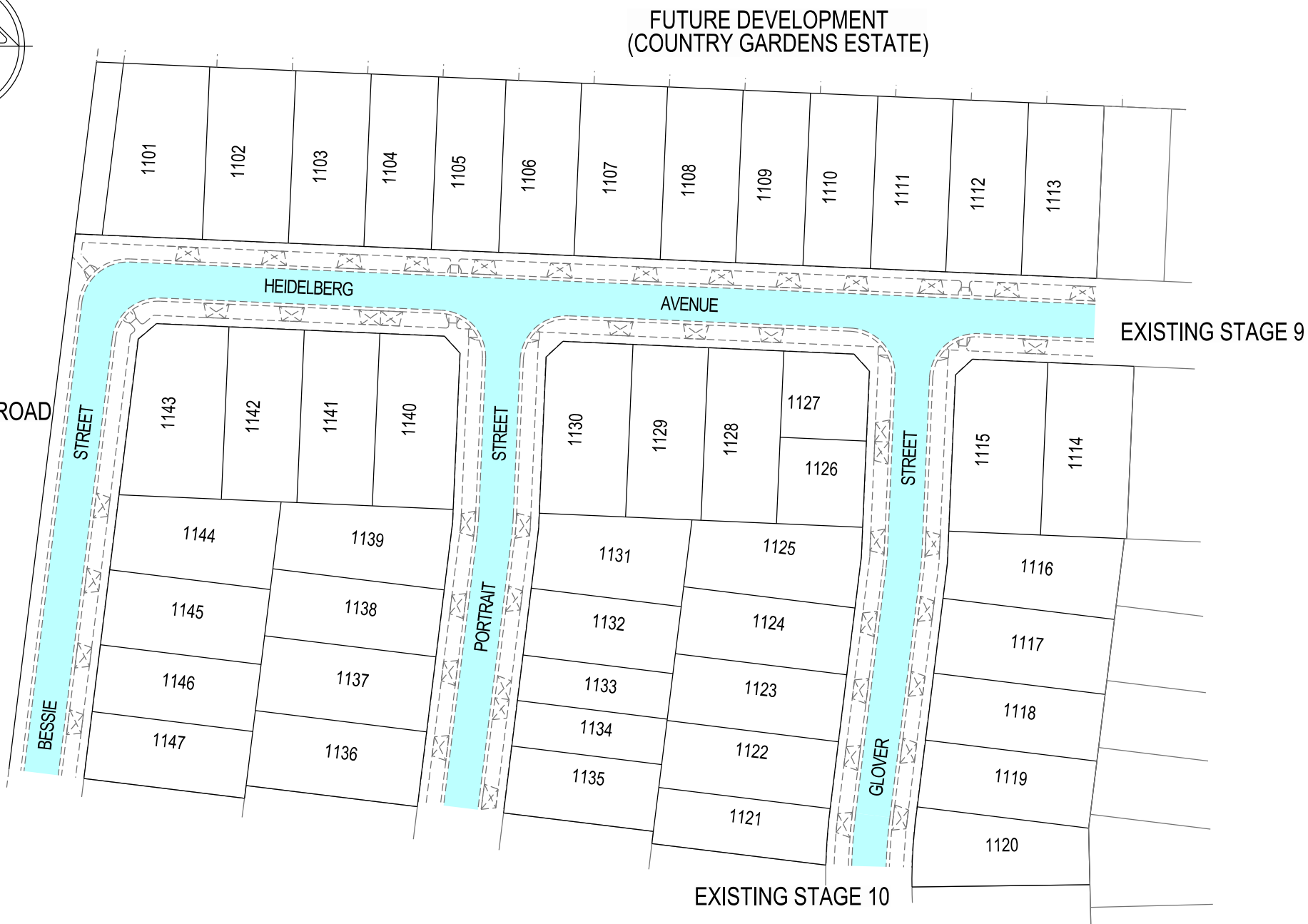
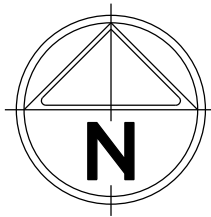
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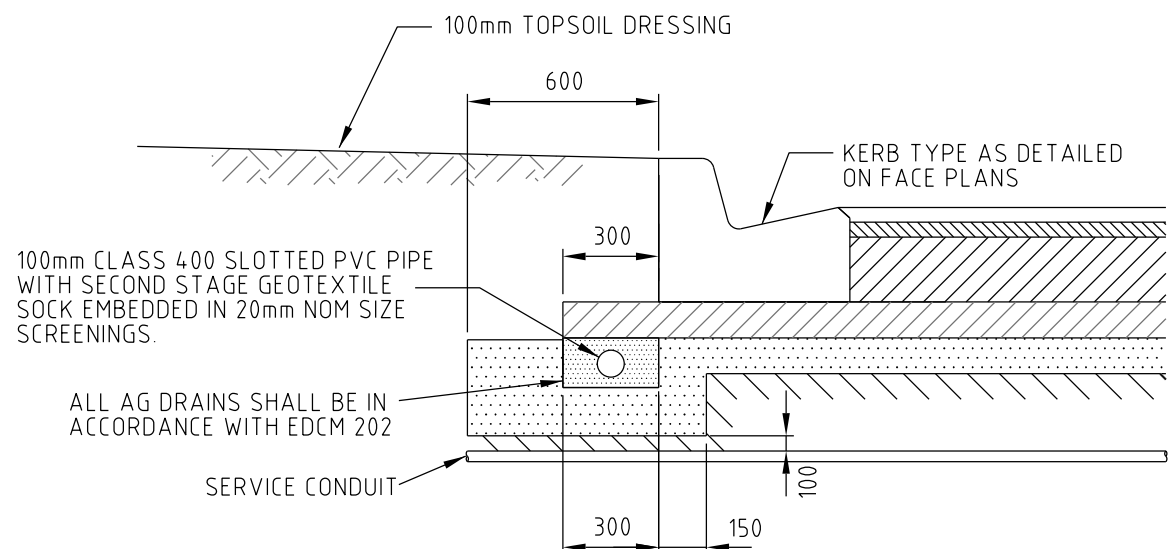
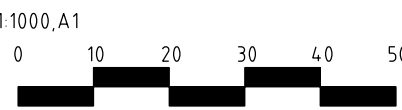
EDGE STRIP

NOTES:

- 1 ALL KERBS AND KERB & CHANNEL TO BE REINFORCED IN ACCORDANCE WITH MUNICIPALITY STD DRAWINGS.
- 2 ALL KERBS AND KERB & CHANNEL TO HAVE 190mm DEPTH OF CONCRETE BELOW TOP OF PAVEMENT LEVEL.



PAVEMENT PLAN



NEW CONSTRUCTION

NTS

NOTE FOR SAMI TREATMENT

DESIGN AND APPLICATION OF SAMI, INCLUDING MATERIAL REQUIREMENTS, SHOULD COMPLY WITH STANDARD SPECIFICATION FOR ROADWORKS AND BRIDGEWORKS SECTION 4.08 AND THE CURRENT AUSTRROADS SPRAYED SEAL DESIGN METHOD.

NOT TO SCALE



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Designed
R. WEINBER
Authorised
M. LETSON

Checked
J. KOEHLER
Date
04/04/19

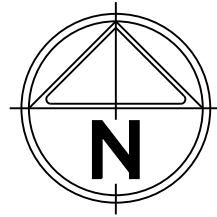
MAMBOURIN ESTATE
STAGE 11
PAVEMENT PLAN AND TYPICAL DETAILS

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION Drg No 305176R13

Rev 0

0	CONSTRUCTION ISSUE	M.L	06/09/19
Rev	Amendments	Approved	Date



LEGEND

1

STREET NAME

STREET NAME PLATES TO BE IN ACCORDANCE WITH HCC SD4.08 & SD4.12, INCLUDING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE

2

ROAD CLOSED

G9-20

3

D4-5

4

D4-1-2 (L)

5

D4-1-2 (R)

TGSI KERB RAMP

HAZARD / DIRECTIONAL TGSI'S SHOW INDICATIVELY. FOOTPATH RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH EDM 403.

TGSI DIRECTIONAL

TGSI'S SHALL CONFORM TO SECTION 211 VICROADS TRAFFIC ENG MANUAL VOL. 2

1-WAY RRPM (5m SPACING)

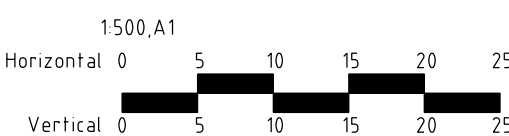
RRPM'S SHALL CONFORM TO SECTION 19.1 VICROADS TRAFFIC ENG MANUAL VOL. 2

NOTE

1. STREET SIGNS ARE TO BE MOUNTED ON LIGHT POLES, WITH A COUNCIL APPROVED BRACKET, IN LIEU OF SIGN POLES WHERE THE TWO POLES ARE IN CLOSE PROXIMITY AND WHERE THE STREET SIGN WOULD NOT BE COMPROMISED IN ITS PURPOSE BY THE RELOCATION



0	CONSTRUCTION ISSUE	M.L.	06/09/19		
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Designed
R. WEINBER

Authorised
M. LETSON

Checked
J. KOEHLER

Date
04/04/19

MAMBOURIN ESTATE
STAGE 11
SIGNAGE & LINEMARKING

FRASER PROPERTY AUSTRALIA
CITY OF WYNDHAM

CONSTRUCTION

Drg No
305176R14

Rev
0