

# No. 3 JUNCTION VILLAGE PTY LTD THE JUNCTION- STAGE 5 45 CRAIG ROAD, JUNCTION VILLAGE CITY OF CASEY

## SHEET INDEX

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**City of Casey**  
Approved By: Khurshedul Alam  
File No: SEng00025/21&PinA00387/17.C  
Date: 22/04/2022

**DRAWING NO: R5778**



### VERSION DETAILS:

REV	DATE	DESCRIPTION	STATUS
A	09/11/2021	FIRST COUNCIL SUBMISSION	PRELIMINARY
B	08/12/2021	COUNCIL COMMENTS 11/11/2021 & MINOR WATER MAIN AMENDMENTS	PRELIMINARY
C	10/02/2022	VEHICLE CROSSOVER CHANGE LOT 520	PRELIMINARY

FILENAME: P:\1432\1432\_5\IE2 - Design\6 - DGN\R01.dgn

DRAWN: O.FARNILL	DATE: 18/10/2021	SCALE: AS SHOWN
DESIGNED: M.LERNER	DATE: 18/10/2021	DATE PRINTED: 31/03/2022
AUTHORISED: T.SMITH	DATE: 18/10/2021	



COUNCIL:  
CITY OF CASEY

TITLE:  
JUNCTION VILLAGE PTY LTD  
THE JUNCTION- STAGE 5  
45 CRAIG ROAD, JUNCTION VILLAGE

LOCALITY PLAN AND SHEET INDEX

DRG NO. 1432_5/R01	REV. C	SHEET 01 OF 10
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MELWAY REF: 138 A1  
SCALE 1:2500 @ A1

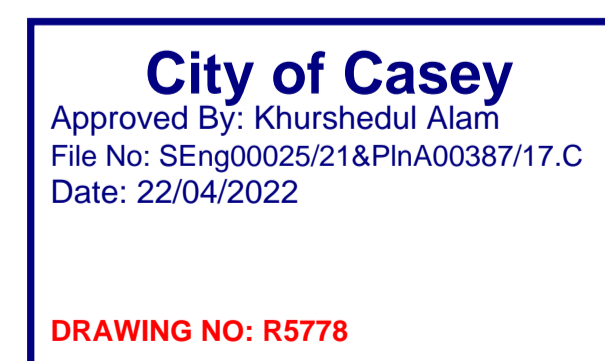
**CONSTRUCTION NOTES**

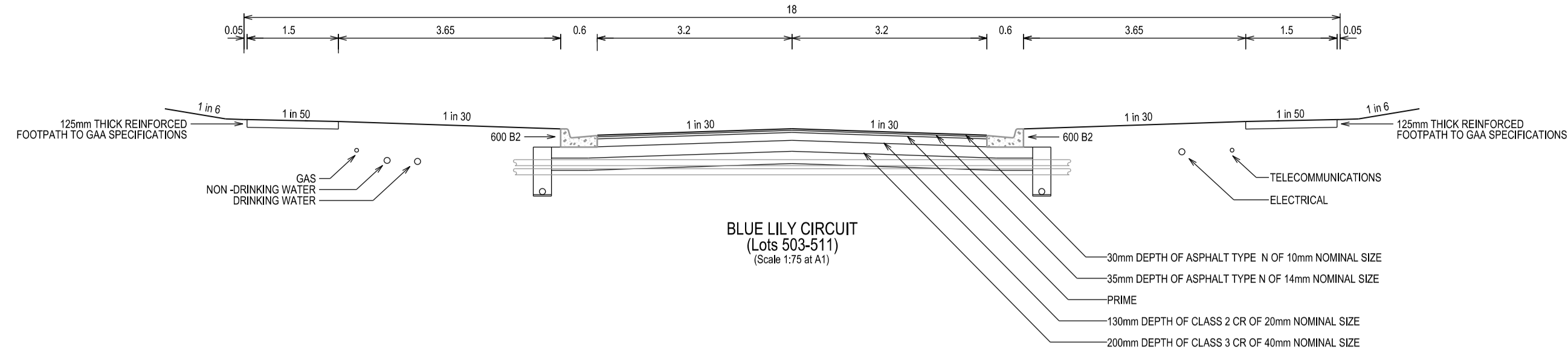
1. ALL LEVELS AND DIMENSIONS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
2. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT AUTHORITY STANDARDS, SPECIFICATIONS AT THE TIME OF CONSTRUCTION AND IN ACCORDANCE WITH THE AUSTRALIAN STANDARD GENERAL CONDITIONS OF CONTRACT AS 2124-1992.
3. STANDARD DRAWINGS OF THE RELEVANT ROAD AUTHORITY ARE AN ANNEXURE TO THE CONSTRUCTION DRAWINGS
4. THE CERTIFIED PLAN OF SUBDIVISION IS AN ANNEXURE TO THE CONSTRUCTION DRAWINGS
5. MELBOURNE WATER PLANS FOR WETLANDS AND INFRASTRUCTURE (WHERE APPLICABLE) ARE AN ANNEXURE TO THE CONSTRUCTION DRAWINGS.
6. THE SCHEDULE OF QUANTITIES ARE AN ANNEXURE TO THE CONSTRUCTION DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE QUANTITIES REFLECT THAT OF THE CONSTRUCTION WORKS DETAILED IN THESE PLANS. THE SUPERINTENDENT IS TO BE NOTIFIED SHOULD ANY DISCREPANCIES BE IDENTIFIED.
7. ALL DISTURBED AREAS ARE TO BE GRADED, TOPSOILED TO A MINIMUM DEPTH OF 150 MILLIMETRES AND SOWN WITH APPROVED SEED MIX TO THE SATISFACTION OF THE SUPERINTENDENT.
8. APPROVAL FOR THE USE OF WATER FOR CONSTRUCTION PURPOSES IS THE RESPONSIBILITY OF THE CONTRACTOR. REFER TO THE RELEVANT WATER AUTHORITY FOR SPECIFIC REQUIREMENTS AND APPROVALS.
9. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVE THE LOCATION AND DEPTH OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORKS. THE SUPERINTENDENT IS TO BE NOTIFIED SHOULD ANY DISCREPANCIES BE IDENTIFIED.
10. SITE ACCESS MUST BE MAINTAINED AT ALL TIMES. TRAFFIC MANAGEMENT PLAN MUST BE PROVIDED TO THE RELEVANT ROAD AUTHORITY (AND APPROVED) /SUPERINTENDENT PRIOR TO THE COMMENCEMENT OF WORKS.
11. ACCESS TO THE EXISTING RESIDENCE TO BE MAINTAINED AT ALL TIMES.
12. THE CONTRACTOR IS RESPONSIBLE FOR ALL ENVIRONMENTAL CONTROLS TO THE SATISFACTION OF THE RELEVANT AUTHORITIES AND EPA REQUIREMENTS.
13. APPROPRIATE INSPECTIONS ARE TO BE ARRANGED WITH THE COUNCIL WORKS SUPERVISOR
14. ALL VEGETATION TO BE RETAINED AS SPECIFIED IS TO BE PROTECTED (TPZ FENCING) PRIOR TO THE COMMENCEMENT OF WORKS
15. ALL FILLING WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE GEOTECHNICAL REPORT (REPORT No. 1200294-1) AND UNDERTAKEN UNDER LEVEL 1 SUPERVISION. A COMPACTION REPORT IS TO BE PROVIDED UPON COMPLETION OF THE FILLING WORKS.
16. ALL BATTERS SHALL BE BLENDED INTO THE NATURAL SURFACE TO THE SATISFACTION OF THE SUPERINTENDENT.
17. MINIMUM FALL ON LOTS IS TO BE 1 IN 150 LONGITUDINALLY.
18. PRIOR TO THE FILLING OF EXISTING OPEN DRAINS, CHANNELS OR DAMS A SUITABLY QUALIFIED GEOTECHNICAL CONSULTANT SHOULD VERIFY THE BASE IS SUITABLE FOR FILLING AND THE INVERT LEVELS ARE TO BE TAKEN TO ENSURE THE AS-CONSTRUCTED FILL DEPTHS CAN BE VERIFIED.
19. THE CONTRACTOR IS RESPONSIBLE FOR ALL SERVICE TRENCHING AND BACKFILLING FOR DRAINAGE, SEWER, POTABLE AND NON-POTABLE WATER, ELECTRICAL, TELECOMMUNICATIONS AND GAS INCLUDING THE REMOVAL/DISPOSAL OF EXCESS MATERIAL.
20. REFER TO THE RELEVANT SERVICE PLANS FOR WORKS ASSOCIATED WITH MELBOURNE WATER WORKS, SEWER, POTABLE AND NON-POTABLE WATER, ELECTRICAL, TELECOMMUNICATION AND GAS SUPPLY. THESE SERVICES ARE REFLECTED ON THE DETAIL PLANS INDICATIVELY AND MAY BE SUBJECT TO MINOR AMMENDMENTS.
21. LOCATIONS FOR SERVICE CONDUITS SHALL BE DETERMINED FROM THE RELEVANT SERVICE PLANS. WHERE THESE ARE REQUIRED TO BE ALTERED THE SUPERINTENDENT WILL CONFIRM THESE LOCATIONS AS REQUIRED. POTABLE & NON-POTABLE WATER AND GAS CONDUITS SHOULD BE A MINIMUM OF 4 METRES FROM TITLE BOUNDARIES (SIDE) WHERE POSSIBLE. CONDUIT LOCATIONS SHOULD BE POSITIONED IN CONJUNCTION WITH THE RELEVANT SUB-CONTRACTOR
22. A.G DRAINS TO BE CONSTRUCTED BEHIND ALL KERB AND CHANNEL AND LONGITUDINAL PAVEMENT JOINTS
23. RCP DRAINAGE PIPES TO BE CLASS 2, RUBBER RING JOINTED UP TO Ø675mm UNLESS OTHERWISE SPECIFIED
24. ALL DRAINAGE LINES IN ROAD RESERVES, UNDER PAVEMENTS, VEHICLE CROSS-OVERS ARE TO BE BACKFILLED WITH FCR AS PER THE RELEVANT AUTHORITY SPECIFICATIONS.
25. ALL EASEMENT DRAINS ARE AT 1 METRE OFFSET UNLESS OTHERWISE SPECIFIED.
26. ALL PIT FLOORS ARE TO BE SHAPED TO ACCOMMODATE DROP THROUGH PITS. ALL PITS TO BE CONSTRUCTED TO THE COUNCIL/EDCM SPECIFICATIONS.
27. ALL PIT LIDS ARE TO BE IN ACCORDANCE WITH THE COUNCIL/EDCM SPECIFICATIONS
28. ALL PROPERTY INLET DRAINS TO BE Ø225mm AND MUST BE A MINIMUM OF 500 MILLIMETRES BELOW THE FINISHED SURFACE LEVELS AS REQUIRED BY THE COUNCIL/EDCM SPECIFICATIONS.
29. SUBGRADE IMPROVEMENT IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCILS WORKS SUPERVISOR PRIOR TO COMMENCEMENT OF WORKS.
30. PAVEMENT DEPTHS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS AND GEOTEHCNICAL REPORT (REPORT No. 1200294-1). CHANGES TO THESE DEPTHS MUST BE APPROVED BY COUNCILS WORKS SUPERVISOR AND THE SUPERINTENDENT.
31. THE CONTRACTOR SHALL CONTACT THE SUPERINTENDENT FOR THE CO-ORDINATION OF ELECTRICAL WORKS AT LEAST 28 DAYS PRIOR TO THE PROPOSED COMMENCEMENT.
32. ELECTRICAL AND TELECOMMUNICATIONS CABLES ARE TO BE PLACED IN A SHARED TRENCH TO THE SPECIFICATIONS OF THE RELEVANT AUTHORITIES.
33. CONDUIT LOCATIONS AND PROPERTY DRAIN INLET LOCATIONS ARE TO BE STAMPED ON KERB AND CHANNEL AND FOOTPATH IN ACCORDANCE WITH COUNCIL/EDCM SPECIFICATIONS.
34. FOOTPATHS ARE TO CONSTRUCTED 1.5 METRES WIDE AND 2.5 METRES WIDE (SHARED) IN ACCORDANCE WITH COUNCIL/EDCM SPECIFICATIONS.
35. PEDESTRIAN CROSSINGS THROUGH SPLITTER ISLANDS ARE TO BE CONSTRUCTED AT PAVEMENT LEVEL.
36. VEHICLE CROSOVERS ARE SHOWN INDICATIVELY. CONSTRUCTION REQUIREMENTS INCLUDING OFFSETS ARE TO BE IN ACCORDANCE WITH COUNCIL/EDCM SPECIFICATIONS
37. WHERE ALLOTMENTS ARE FILLED ABOVE FOOTPATH LEVELS, VEHICLE CROSSOVERS ARE TO BE CUT INTO ALLOTMENTS AT A MAXIMUM GRADE OF 1 IN 5
38. TBM AND PSM LOCATIONS ARE SHOWN ON SHEET 4 .
39. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL/EDCM SPECIFICATIONS.
40. SIGNAGE, LINE MARKING AND PAVEMENT MARKERS ARE TO BE INSTALLED IN ACCORDANCE WITH AS1742.2 2009, AND COUNCIL/EDCM SPECIFICATIONS
41. TACTILE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH AS1428.4.1 2009 AND VICROADS ROAD DESIGN NOTE 06-06, GUIDELINES FOR THE PLACEMENT OF TGSi AT ALL PRAM CROSSINGS, FOOTPATH JUNCTIONS IN ACCORDANCE WITH COUNCIL/EDCM REQUIREMENTS
42. THE PLANS MAY ONLY BE REPRODUCED IN THEIR ENTIRETY.
43. KERB RADII LABELS ARE IN METRES AND INDICATE BACK OF KERB DIMENSIONS.

**CITY OF CASEY NOTES:**

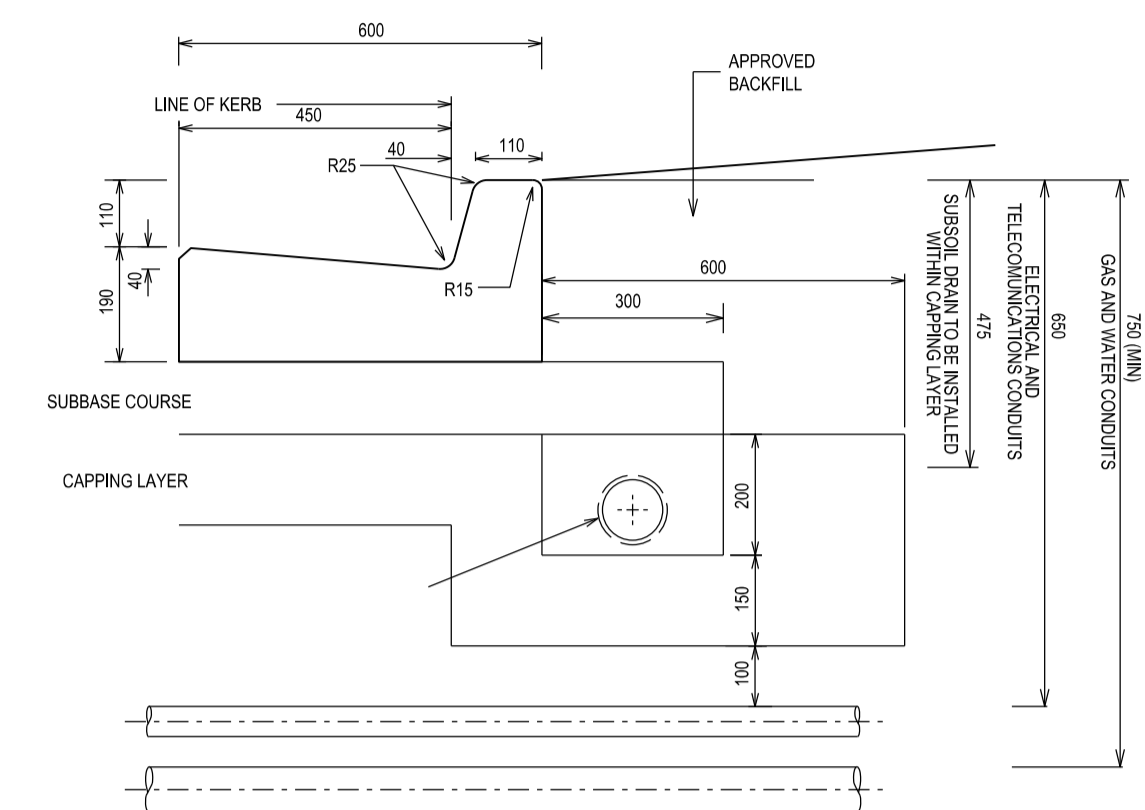
1. ALL WORKS TO BE ACCORDANCE WITH CURRENT CITY OF CASEY AND/OR EDCM SPECIFICATIONS AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE CITY OF CASEY SUPERVISING ENGINEER.
2. PRIOR TO COMMENCING WORKS ON SITE THE CONTRACTOR MUST ADDRESS ALL OCCUPATIONAL HEALTH & SAFETY ACT (2004) ITEMS AND ENSURE THAT THE REQUIRED NOTIFICATIONS HAVE BEEN MADE TO THE VICTORIAN WORKCOVER AUTHORITY, HEALTH & SAFETY DIVISION REGARDING TRENCHING OPERATIONS.
3. PRIOR TO COMMENCING ANY WORKS ON TRENCHES WITH DEPTHS EXCEEDING 1.5M THE CONTRACTOR'S CONSTRUCTION SUPERVISOR MUST GIVE WRITTEN NOTICE TO WORKSAFE VICTORIA IN ACCORDANCE WITH PART 5.1, DIVISION 4 OF THE OCCUPATIONAL HEALTH & SAFETY REGULATIONS (2017) & UNDERTAKE THE NECESSARY SAFETY PRECAUTIONS FOR TRENCHING OPERATIONS IN ACCORDANCE WITH THE WORKCOVER CODE OF PRACTICE (2018).
4. PAVEMENT DEPTHS MAY NEED TO BE MODIFIED DURING CONSTRUCTION, DEPENDING ON THE ON-SITE CONDITIONS AS DIRECTED BY THE CASEY CONSTRUCTION ENGINEER OR WORKS SUPERVISOR.
5. STREET LIGHTING MUST BE PROVIDED ON ALL NEWLY CREATED ROADS AND RESERVES IN ACCORDANCE WITH THE APPROVED PUBLIC LIGHTING PLAN
6. TREE RESERVE FENCES TO BE SHOWN ON CONSTRUCTION PLANS
7. APPROPRIATE SILTATION CONTROL IS TO BE CARRIED OUT DURING THE CONSTRUCTION AND MAINTENANCE PERIODS
8. AN ENVIRONMENTAL MANAGEMENT PLAN (EMP) MUST BE SUBMITTED TO, AND APPROVED BY COUNCIL PRIOR TO THE COMMENCEMENT OF ANY WORKS ON SITE AND ALL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THIS EMP
9. CUT BATTERS ARE TO BE HYDRO MULCHED USING APPROVED SEED MIXES.
10. REMOVAL OR RETENTION OF EXISTING TREES OR VEGETATION MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN (OTHERWISE APPROVAL WILL BE REQUIRED FROM CASEY ARBORIST OR LANDSCAPE OFFICER.)
11. NO SURPLUS TREES, VEGETATION OR OTHER MATERIALS IS TO BE BURNT ON SITE.
12. ALL FOOTPATHS AND SHARED PEDESTRIAN-BICYCLE PATHS ARE TO BE 125MM THICK REINFORCED CONCRETE USING SL72 MESH AS PER EDCM 401
13. IF IMPORTED FILL MATERIAL IS TO BE PLACED ON SITE CLEAN FILL CERTIFICATES MUST BE PROVIDED FROM A NATA APPROVED TESTING LABORATORY IN ACCORDANCE WITH EPA BULLETIN PUBLICATION NO. 448 TO DEMONSTRATE ITS SUITABILITY FOR USE ON SITE.
14. FILLING IN ALL PROPERTIES & ROAD RESERVES IS TO BE CARRIED OUT USING APPROVED CLAY FILL. TOPSOIL & ALL VEGETABLE MATTER TO BE STRIPPED FROM SITE PRIOR TO FILLING. ALL FILLING TO BE CARRIED OUT IN 150MM LAYERS AND COMPACTED TO 95% OF MAX. DRY DENSITY. ALL FILLING TO COMPLY WITH AS 3798-2007, SECTION 8.2, LEVEL 1 A FILL REPORT MUST BE SUBMITTED FROM A NATA REGISTERED SOIL TESTING LABORATORY
15. DAMS TO BE LEVELED PRIOR TO FILLING AND LEVELS SHOWN ON "AS CONSTRUCTED" PLANS
16. STRUCTURAL FILL PADS WILL BE REQUIRED FOR ANY COMMUNITY, FAMILY OR CHILDRENS CENTRES IN CONSULTATION WITH CASEY'S BUILDING MANAGEMENT TEAM
17. IF ANY EXISTING SUBSTANDARD FILLING IS ENCOUNTERED ON THE SITE IT MUST BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL PROPERLY COMPACTED TO COUNCIL REQUIREMENTS. A GEO-TECHNICAL REPORT MUST BE SUBMITTED SHOWING DETAILS OF DEPTH, TYPE OF MATERIAL AND DENSITY OF THE FILL AREAS CONCERNED
18. ALL COUNCIL RESERVES MUST BE PROVIDED WITH CONNECTIONS FOR DRAINAGE, SEWERAGE, ELECTRICITY & OTHER SERVICES
19. INDUSTRIAL STRENGTH VEHICLE CROSSINGS TO BE PROVIDED FOR LOTS IN ADJACENT TO TEMPORARY CRUSHED ROCK TURN AROUND AREAS ON 'DEAD END' ROADS
20. TEMPORARY CRUSHED ROCK TURN AROUND AREAS MUST BE MAINTAINED IN A SAFE AND SOUND CONDITION SO THAT VEHICLES ARE ABLE TO USE THEM AT ALL TIMES
21. CONCRETE IS TO BE PLACED AROUND ELECTRICAL DISTRIBUTION PITS TO A MINIMUM DEPTH OF 200MM. DISTRIBUTION PITS ARE TO BE A MINIMUM OF 300MM FROM EDGE OF FOOTPATHS
22. TELECOMMUNICATION CONDUITS ARE TO BE FOR USE BY ANY TELECOMMUNICATIONS COMPANY
23. TACTILE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH AS1428.4.1 'DESIGN FOR ACCESS AND MOBILITY' AT ALL PRAM CROSSINGS, BUS STOPS/ HARD STANDS, ROUNDABOUTS/SIGNALS AND INTERSECTIONS AND IN ACCORDANCE WITH EDCM 403.
24. A CCTV REPORT MUST BE PROVIDED FOR ALL DRAINAGE LINES PRIOR TO ISSUE OF PRACTICAL COMPLETION.

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C	10/02/2022	VEHICLE CROSSOVER CHANGE LOT 520	PRELIMINARY
FILENAME: P:\1432\1432_5\IE12 - Design\6 - DGN\R02.dgn			
DRAWN:	O.FARNILL	DATE:	18/10/2021
DESIGNED:	M.LERNER	DATE:	18/10/2021
AUTHORISED:	T.SMITH	DATE:	18/10/2021
SCALE:		AS SHOWN	
DATE PRINTED:		31/03/2022	
 SUITE 1, LEVEL 1, 84 MT ELIZA WAY, MT ELIZA VIC 3930 www.charltondegg.com.au			
COUNCIL: CITY OF CASEY			
TITLE: JUNCTION VILLAGE PTY LTD THE JUNCTION- STAGE 5 45 CRAIG ROAD, JUNCTION VILLAGE			
CONSTRUCTION NOTES			
DRG NO.	1432_5/R02	REV.	C
			SHEET 02 OF 10

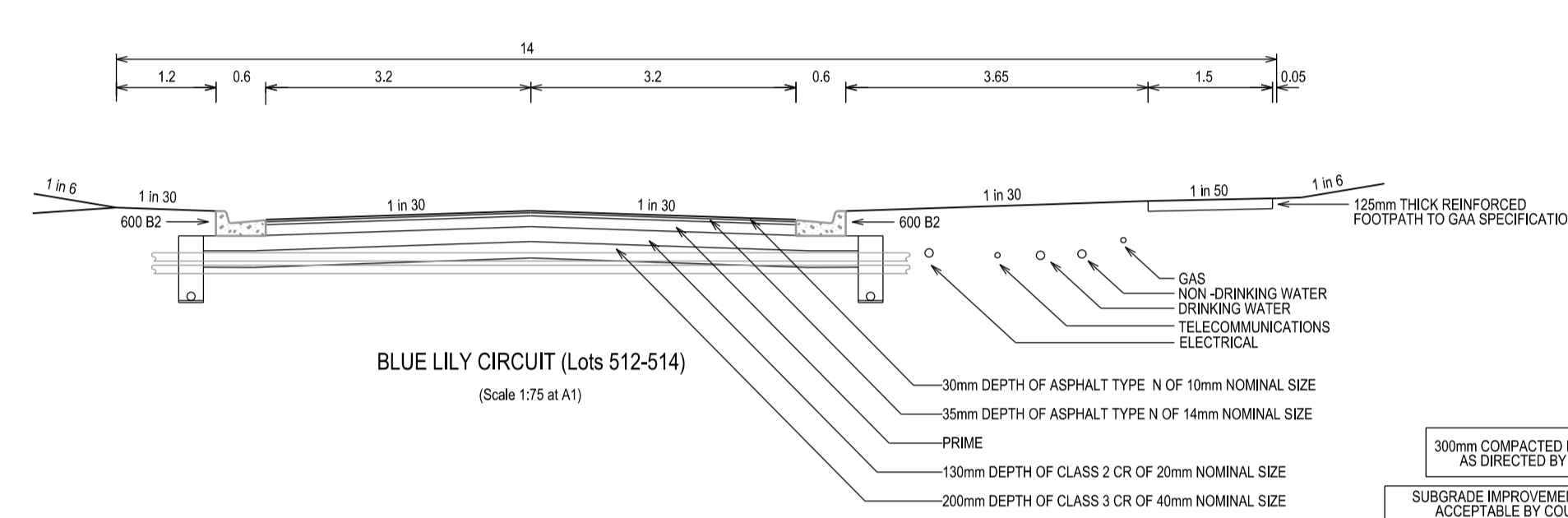




300mm COMPACTED DEPTH CAPPING LAYER AS DIRECTED BY SUPERINTENDENT  
 SUBGRADE IMPROVEMENT WORKS SHALL BE DESIRED ACCEPTABLE BY COUNCIL WORKS SUPERVISOR PRIOR TO CONTINUING WITH ROAD PAVEMENT



**BARRIER KERB & CHANNEL DETAIL 600 B2**  
(Scale 1:12.5 at A1)



300mm COMPACTED DEPTH CAPPING LAYER AS DIRECTED BY SUPERINTENDENT  
 SUBGRADE IMPROVEMENT WORKS SHALL BE DESIRED ACCEPTABLE BY COUNCIL WORKS SUPERVISOR PRIOR TO CONTINUING WITH ROAD PAVEMENT

**TYPICAL SLEEPER RETAINING WALL**  
(MAX. 1800mm HEIGHT PALING FENCE WITH POSTS @ 2040mm MAX. SPACING TO BE BUILT OVER UPRIGHTS)  
INCLINATION OF BACKFILL SURFACE = 5°

RETAINING HEIGHT H (mm)	SLEEPERS SPECIFICATION	UPRIGHTS		FOOTINGS			END BEARING* (mm)
		SPECIFICATION	SPACING (mm)	D1 (mm)	D2 (mm)	Ø (mm)	
H ≤ 400	MANUFACTURER DESIGN & SPECIFICATIONS	100UC 15 OR 150UB 14	2040	1900	1700	350	35
400 < H ≤ 800	MANUFACTURER DESIGN & SPECIFICATIONS	100UC 15 OR 150UB 14	2040	2300	2200	350	35
800 < H ≤ 1200	MANUFACTURER DESIGN & SPECIFICATIONS	150UC 23 OR 180UB 16	2040	2500	2300	450	35

REFER TO 'RETAINING WALL DESIGN PARAMETERS'.  
 \* DENOTES MINIMUM END BEARING OF SLEEPERS TO STEEL UPRIGHT FLANGES.

NO SEWER PIPES TO BE LAID ON THE LOW SIDE OF THE RETAINING WALL.

ASSIGNED UP TO PROPOSED DEEP OF OTHER TYPE OF SAND MATERIAL INCLUDING FILL TO BE CHECKED ON (TO BE CHECKED ON GEOTECHNICAL ENGINEER)

MINIMUM (D2) REFER TO 'RETAINING WALL DESIGN PARAMETERS'

100Ø AGG DRAIN WRAPPED IN GEOFABRIC CONNECT TO STORMWATER

INSTALLATION OF ALL UNDERGROUND SERVICE PIPES SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF ANY ADJACENT RETAINING WALL.

FIXING OF PALING FENCE POST TO TOP OF STEEL UPRIGHT TO BE NOMINATED BY OTHERS.

REINFORCED CONCRETE PIPE RUNNING PARALLEL & ADJACENT TO BORED PIER SHALL BE DESIGNED BY MANUFACTURER. MINIMUM 23kN ULTIMATE CRUSHING LOAD CAPACITY.

REFER SITE INVESTIGATION REPORT PREPARED BY CIVILTEST Pty Ltd REPORT JOB No. 1200294-1 ISSUE 4 FOR ALL FOUNDATION INFORMATION.

**RETAINING WALL DESIGN PARAMETERS**

**BACKFILL**  
 COEFFICIENT OF LATERAL EARTH PRESSURE = ACTIVE COEFFICIENT.  
 =  $K_a$ .  
 FRICTION ANGLE = 30°.  
 SOIL UNIT WEIGHT = 18.5kN/m<sup>3</sup>.

**FOUNDATION SOIL (DENOTED AS 'D2')**

TYPE I: SOIL TYPE = STIFF NATURAL SANDY CLAY.  
 UNDRAINED SHEAR STRENGTH = 50kPa.

TYPE II: SOIL TYPE = MEDIUM DENSE NATURAL SAND OR SILTY SAND.  
 FRICTION ANGLE = 30°.  
 SOIL UNIT WEIGHT = 18.5kN/m<sup>3</sup>.

BUILDER TO ENSURE BORED PIER TO BE FOUNDED MINIMUM 150mm BELOW 45° ANGLE OF REPOSE LINE TO THE UNDERSIDE OF ANY ADJACENT PIPE.

REINFORCED CONCRETE DRAINAGE PIPE.

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**CHARLTON DEGG**  
 LAND DEVELOPMENT CONSULTANTS

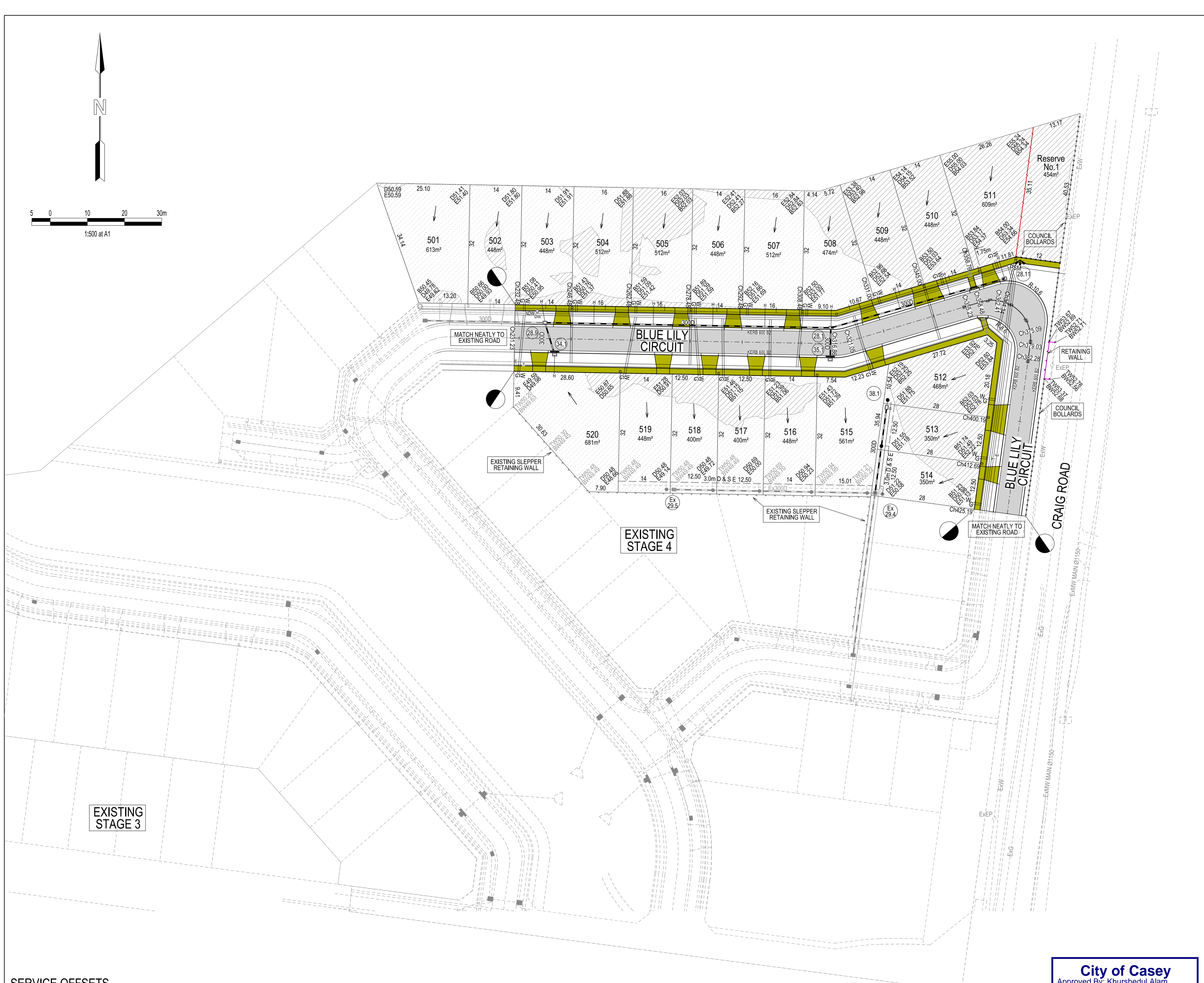
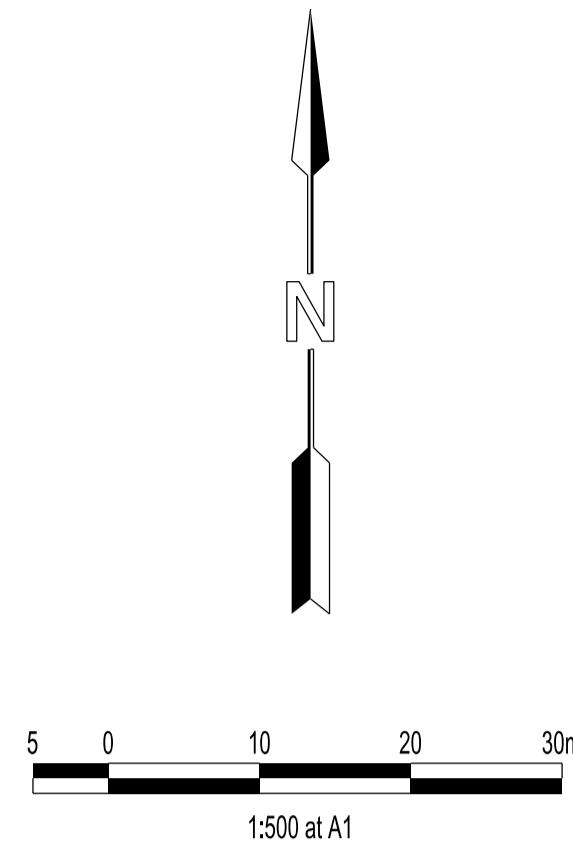
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 THE JUNCTION- STAGE 5  
 45 CRAIG ROAD, JUNCTION VILLAGE

TYPICAL CROSS SECTIONS & KERB DETAILS

DRG NO. 1432_5/R03	REV. C	SHEET 03 OF 10
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**LEGEND**

- FOOTPATH
- VEHICULAR CROSSOVER
- KERB AND CHANNEL
- ELECTRICITY } CONDUITS
- TELECOMMUNICATION } CONDUITS
- GAS } CONDUITS
- DRINKING WATER } CONDUITS
- NON DRINKING WATER } CONDUITS
- ELECTRICITY MAIN
- TELECOMMUNICATION MAIN
- GAS MAIN
- DRINKING WATER MAIN
- NON DRINKING WATER MAIN
- SEWER MAIN, MANHOLE, MAINTENANCE SHAFT AND SEWER PROPERTY BRANCHES
- PROPOSED DRAINAGE, PIT, HOUSE DRAIN AND PROPERTY INLET
- EXISTING DRAINAGE AND PIT AND FUTURE DRAINAGE AND PIT
- DRAINAGE PIT NUMBER
- PROPOSED CUT AREAS
- PROPOSED FILL AREAS
- EXISTING SURFACE LEVEL
- DESIGN SURFACE LEVEL
- TOP OF BATTER LEVEL
- PRE-DEVELOPMENT LEVEL
- STREET NAME SIGN
- LOT SLOPE DIRECTION
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- RETAINING WALLS (CONCRETE SLEEPER)
- RETAINING WALLS (MASS ROCK WALL)
- KERB TRANSITION
- TRAFFIC SIGNAL PEDESTAL
- COUNCIL BOLLARDS
- FENCE

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SCALE:	AS SHOWN		
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**SERVICE OFFSETS**

Street	Gas	NDW	Water	Comms	Elec.	Lighting	Sewer
Blue Lily Circuit (18m)	N 1.80	N 2.30	N 2.80	S 1.80	S 2.60	1.00 BOK	N 1.00
Blue Lily Circuit (14m)	W 1.80	W 2.30	W 2.80	W 3.30	W 4.10	1.00 BOK	-

SERVICE OFFSETS ARE MEASURED (m) FROM THE TITLE BOUNDARY UNLESS OTHERWISE SPECIFIED

**City of Casey**  
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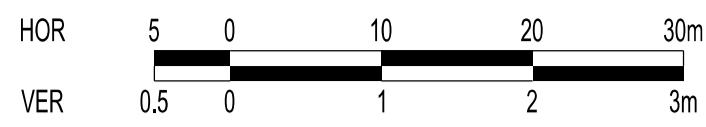
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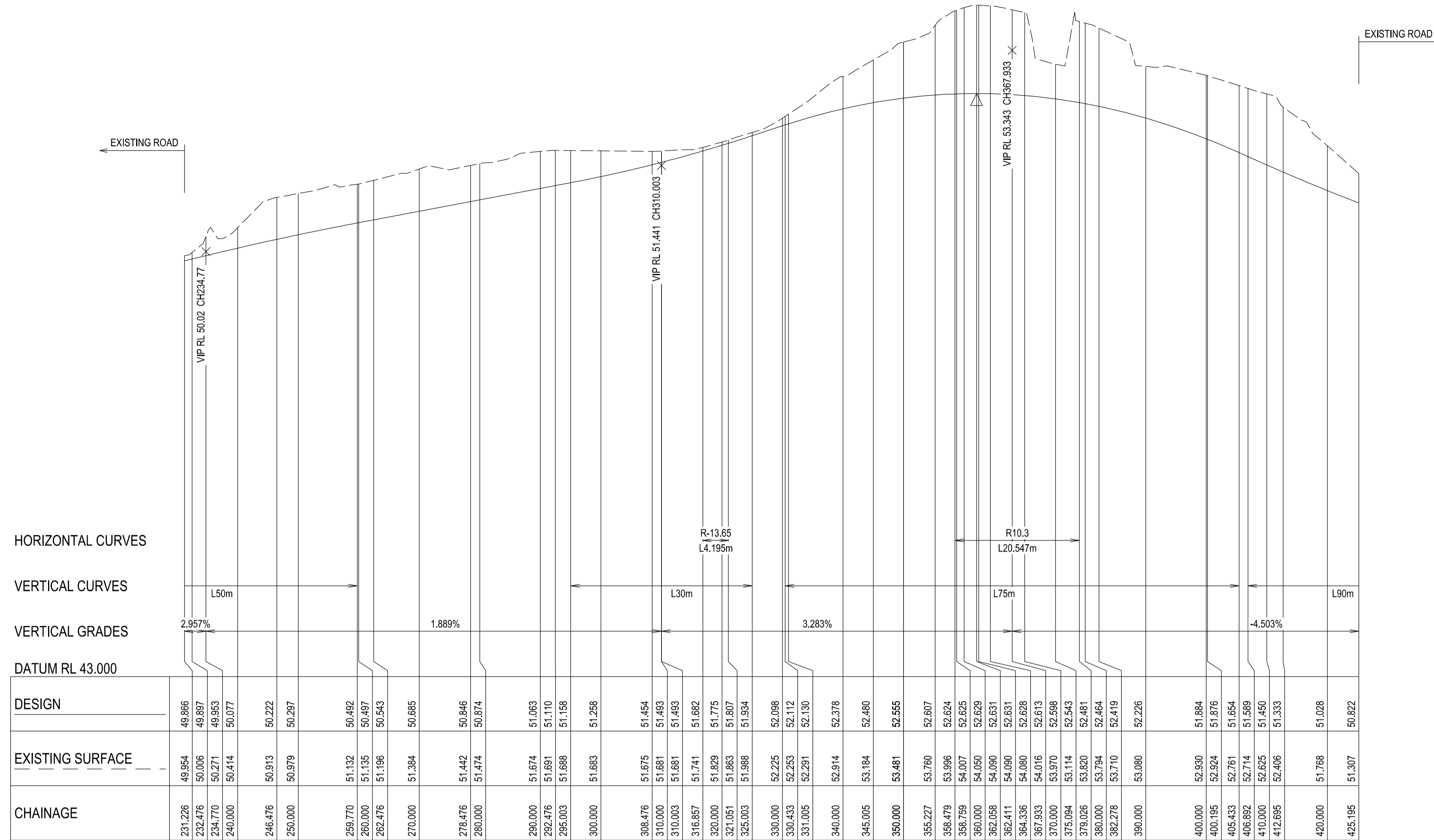
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 THE JUNCTION- STAGE 5  
 45 CRAIG ROAD, JUNCTION VILLAGE**

**DETAIL PLAN & SERVICE OFFSET TABLE**

DRG NO. 1432_5/R04	REV. C	SHEET 04 OF 10
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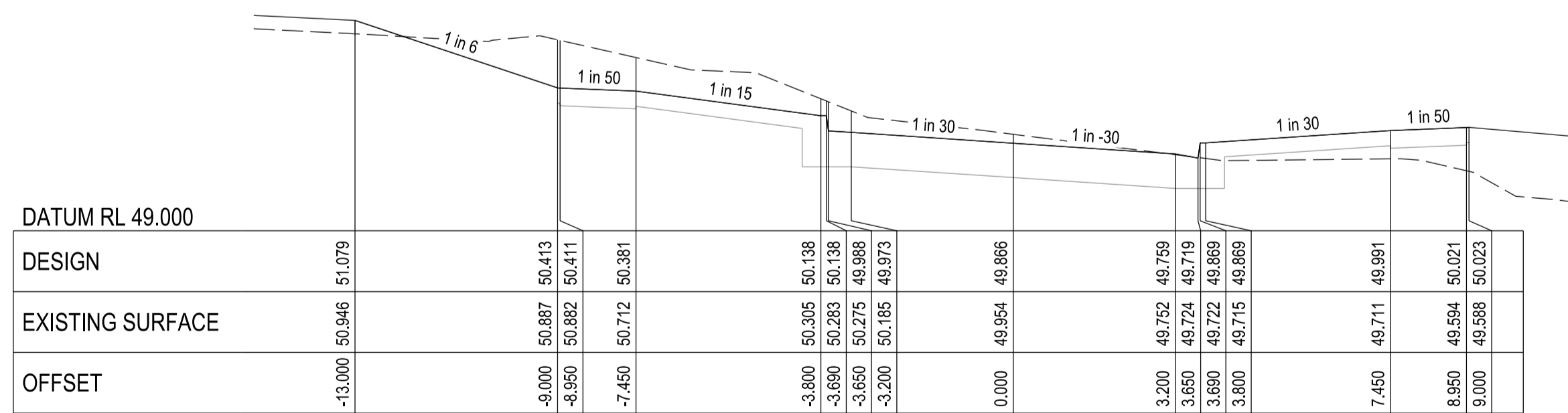
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HORIZONTAL CURVES  
VERTICAL CURVES  
VERTICAL GRADES  
DATUM RL 43.000

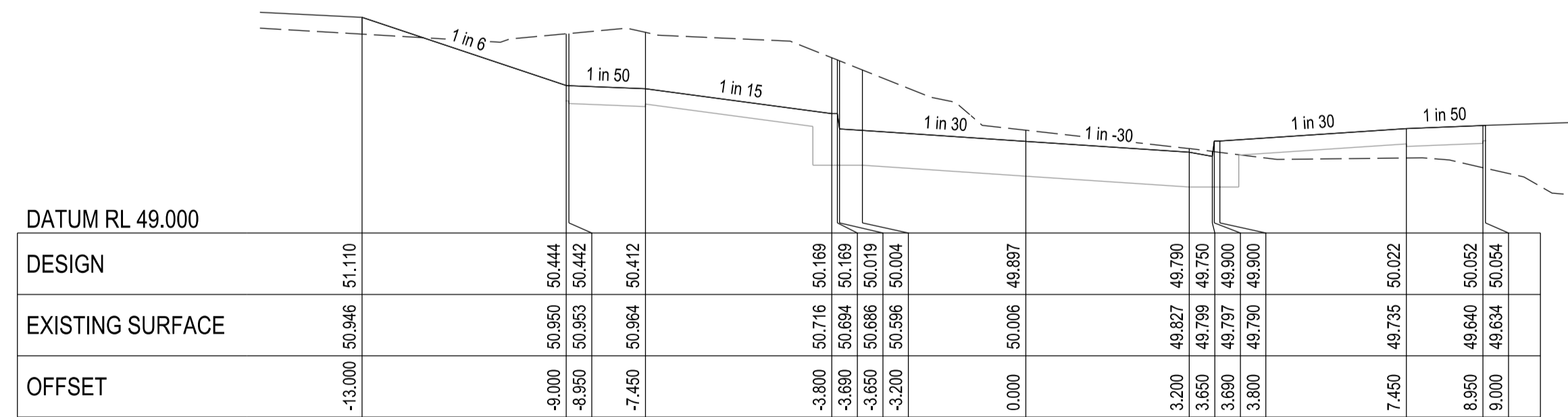
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50.287	50.979	250.000
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50.497	51.135	260.000
50.543	51.196	262.478
50.685	51.384	270.000
50.846	51.442	278.478
50.874	51.474	280.000
51.063	51.674	290.000
51.110	51.681	292.478
51.158	51.688	295.003
51.258	51.683	300.000
51.454	51.675	308.478
51.493	51.681	310.000
51.493	51.681	310.003
51.682	51.741	316.857
51.775	51.829	320.000
51.807	51.863	321.051
51.934	51.988	325.003
52.098	52.225	330.000
52.112	52.253	330.433
52.130	52.291	331.005
52.378	52.914	340.000
52.480	53.184	345.005
52.555	53.481	350.000
52.607	53.760	355.227
52.624	53.986	358.479
52.625	54.007	358.759
52.629	54.050	360.000
52.631	54.090	362.058
52.631	54.090	362.411
52.628	54.080	364.338
52.613	54.016	367.033
52.588	53.970	370.000
52.543	53.114	375.094
52.481	53.820	379.028
52.464	53.794	380.000
52.419	53.710	382.278
52.226	53.080	390.000
51.884	52.930	400.000
51.876	52.924	400.195
51.654	52.781	405.433
51.589	52.714	406.892
51.450	52.625	410.000
51.333	52.406	412.895
51.028	51.768	420.000
50.822	51.307	425.195

BLUE LILY CIRCUIT - LONGITUDINAL SECTION  
A1 HORZ SCALE 1:500  
A1 VERT SCALE 1:50



DESIGN	EXISTING SURFACE	OFFSET
51.079	50.946	-13.000
50.413	50.887	-8.000
50.411	50.882	-8.950
50.381	50.712	-7.450
50.138	50.305	-3.800
50.138	50.283	-3.650
49.988	50.275	-3.650
49.973	50.185	-3.200
49.866	49.954	0.000
49.759	49.752	3.200
49.719	49.724	3.650
49.689	49.722	3.590
49.689	49.715	3.800
49.991	49.711	7.450
50.021	49.594	8.950
50.023	49.588	9.000

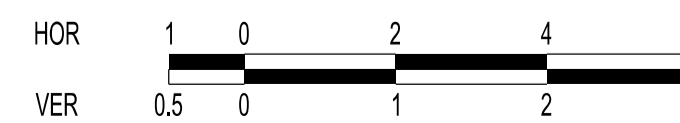
CHAINAGE 231.226  
(EXISTING)



DESIGN	EXISTING SURFACE	OFFSET
51.110	50.946	-13.000
50.444	50.850	-9.000
50.442	50.853	-8.950
50.412	50.864	-7.450
50.169	50.716	-3.800
50.169	50.694	-3.650
50.019	50.686	-3.200
50.004	50.596	-3.200
49.897	50.006	0.000
49.790	49.827	3.200
49.750	49.799	3.650
49.900	49.797	3.690
49.900	49.790	3.800
50.022	49.735	7.450
50.052	49.540	8.950
50.054	49.634	9.000

CHAINAGE 232.476

**City of Casey**  
Approved By: Khurshedul Alam  
File No: SEng00025/21&PinA00387/17.C  
Date: 22/04/2022  
**DRAWING NO: R5778**



HOR 1:100 at A1  
VER 1:50 at A1

VERSION DETAILS:

REV	DATE	DESCRIPTION	STATUS
A	09/11/2021	FIRST COUNCIL SUBMISSION	PRELIMINARY
B	08/12/2021	COUNCIL COMMENTS 11/11/2021 & MINOR WATER MAIN AMENDMENTS	PRELIMINARY
C	10/02/2022	VEHICLE CROSSOVER CHANGE LOT 520	PRELIMINARY

FILENAME: P:\1432\1432\_5\IE12 - Design\6 - DGN\R05.dgn

DRAWN: O.FARNILL	DATE: 18/10/2021	SCALE: AS SHOWN
DESIGNED: M.LERNER	DATE: 18/10/2021	DATE PRINTED: 31/03/2022
AUTHORISED: T.SMITH	DATE: 18/10/2021	



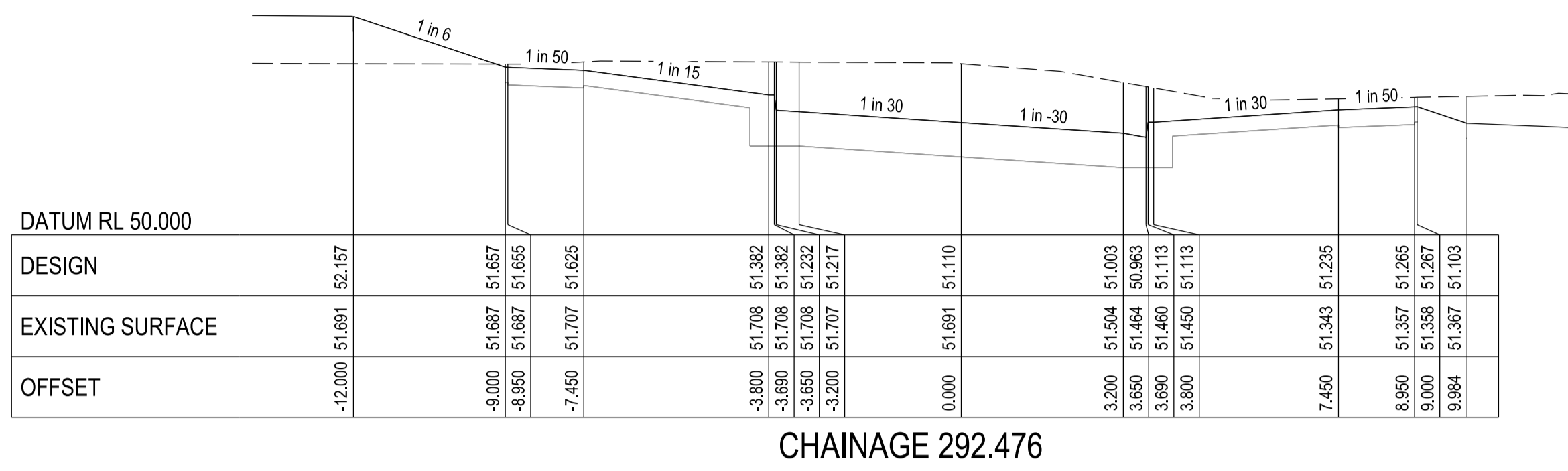
SUITE 1, LEVEL 1, 84 MT ELIZA WAY, MT ELIZA VIC 3930  
www.charltondegg.com.au

COUNCIL:  
CITY OF CASEY

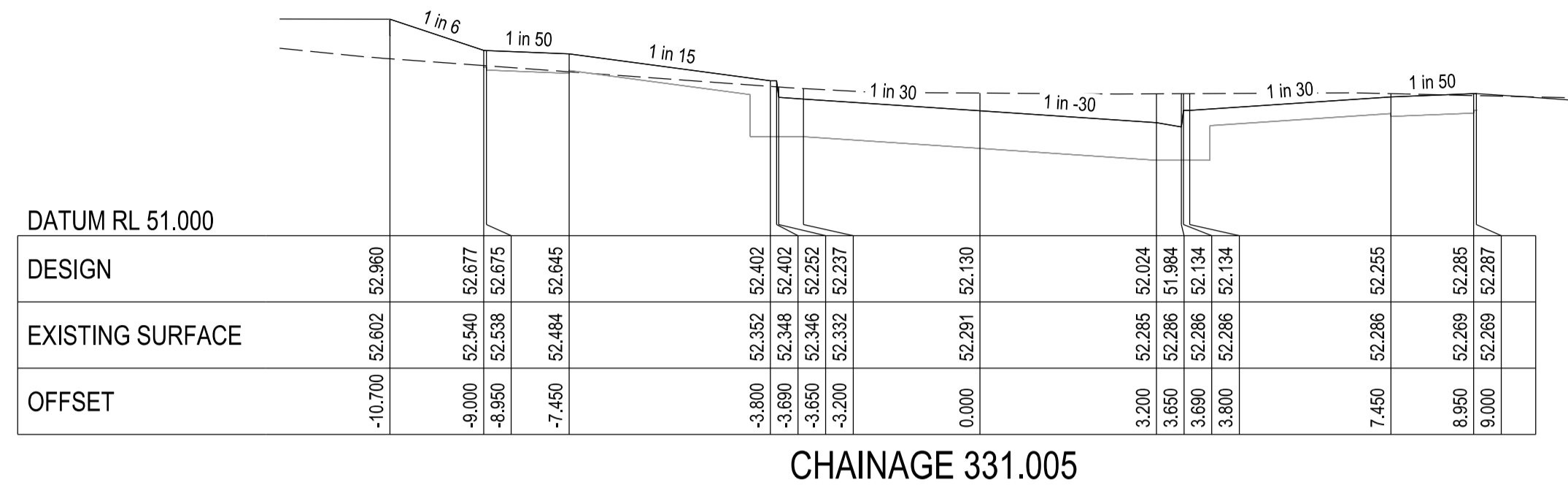
TITLE:  
JUNCTION VILLAGE PTY LTD  
THE JUNCTION- STAGE 5  
45 CRAIG ROAD, JUNCTION VILLAGE

BLUE LILY CIRCUIT LONGITUDINAL SECTIONS - SHEET 1

DRG NO. 1432_5/R05	REV. C	SHEET 05 OF 10
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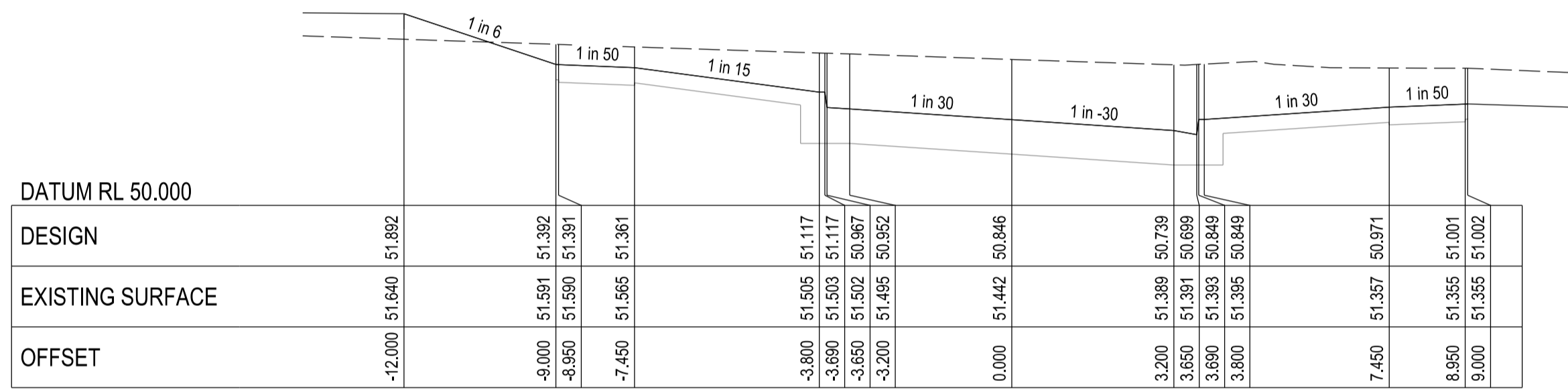


CHAINAGE 292.476

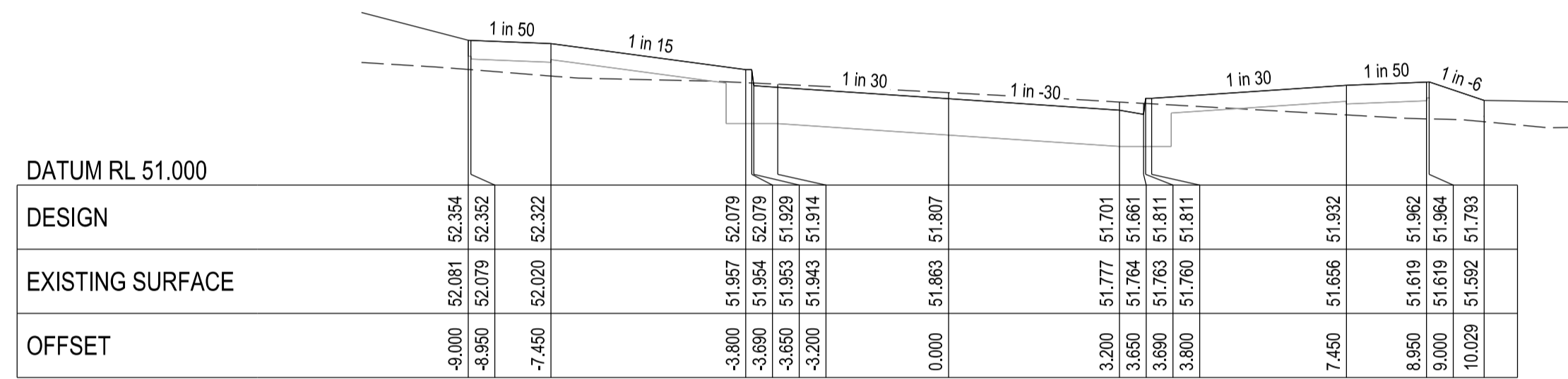


CHAINAGE 331.005

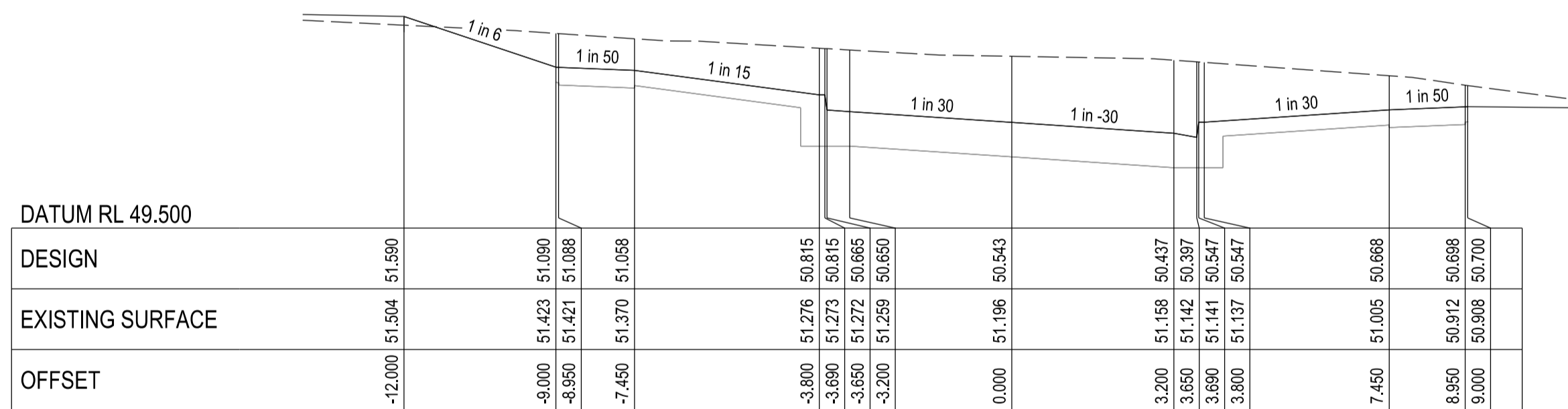
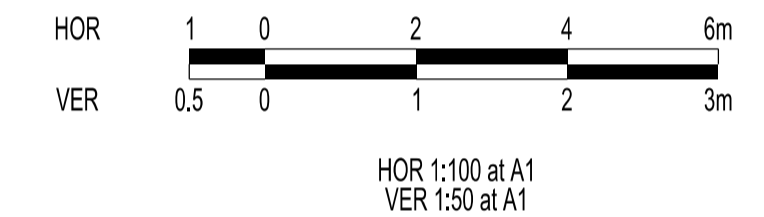
**City of Casey**  
 Approved By: Khurshedul Alam  
 File No: SEng00025/21&PinA00387/17.C  
 Date: 22/04/2022  
**DRAWING NO: R5778**



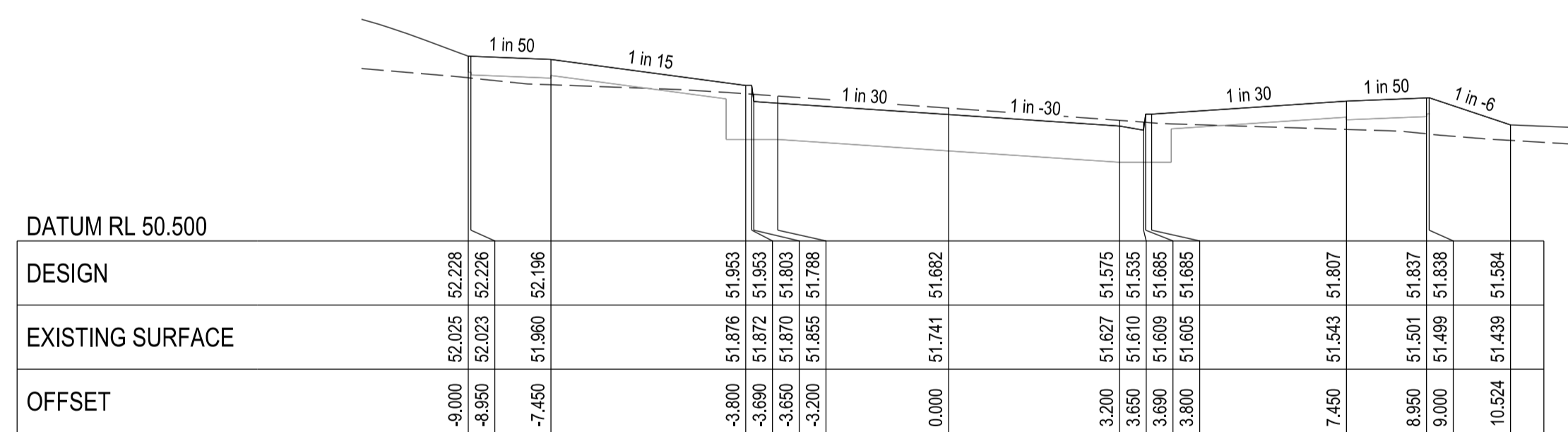
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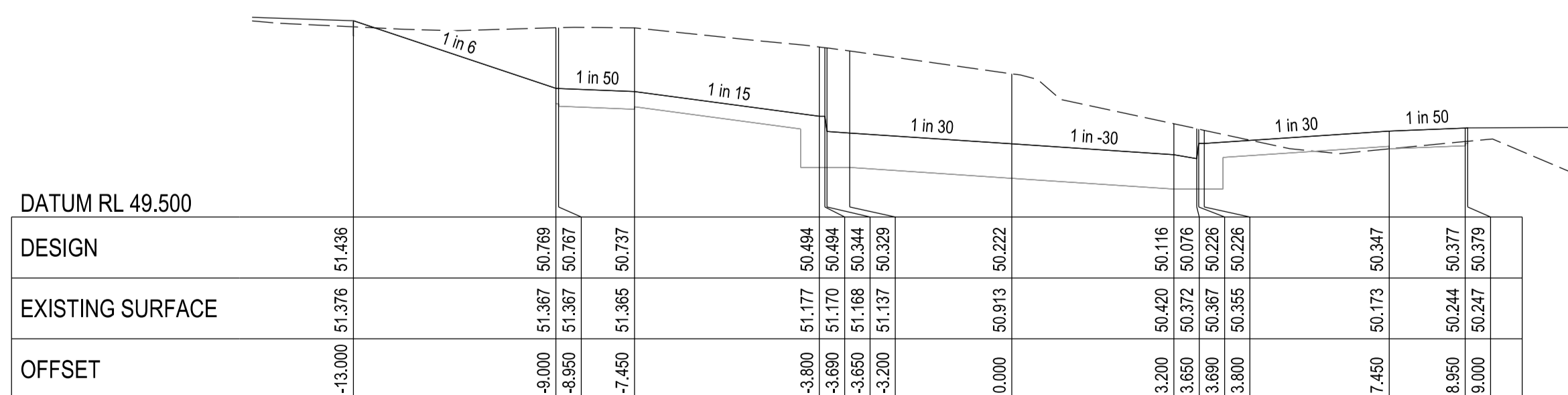
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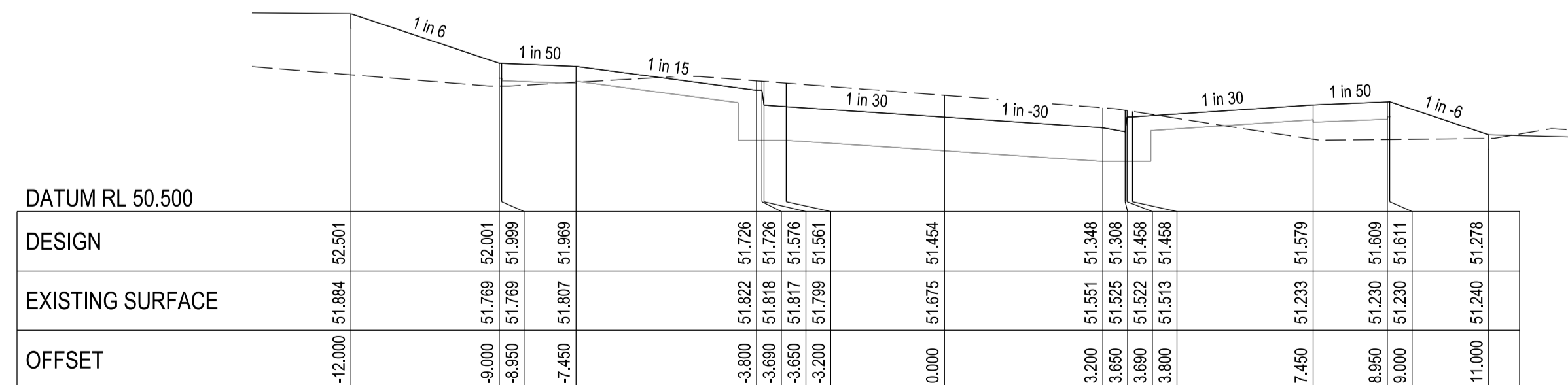
CHAINAGE 262.476



CHAINAGE 316.857



CHAINAGE 246.476



CHAINAGE 308.476

**VERSION DETAILS:**

REV	DATE	DESCRIPTION	STATUS
A	09/11/2021	FIRST COUNCIL SUBMISSION	PRELIMINARY
B	08/12/2021	COUNCIL COMMENTS 11/11/2021 & MINOR WATER MAIN AMENDMENTS	PRELIMINARY
C	10/02/2022	VEHICLE CROSSOVER CHANGE LOT 520	PRELIMINARY

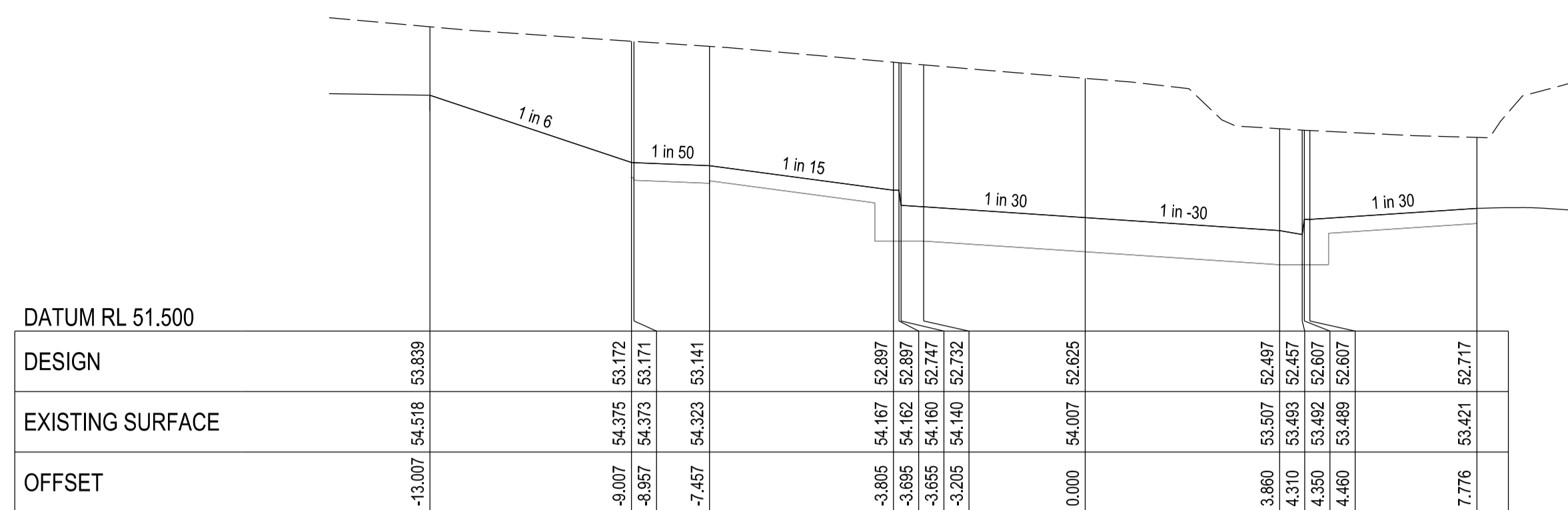
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DRAWN: O.FARNILL	DATE: 18/10/2021	SCALE: AS SHOWN
DESIGNED: M.LERNER	DATE: 18/10/2021	DATE PRINTED: 31/03/2022
AUTHORISED: T.SMITH	DATE: 18/10/2021	

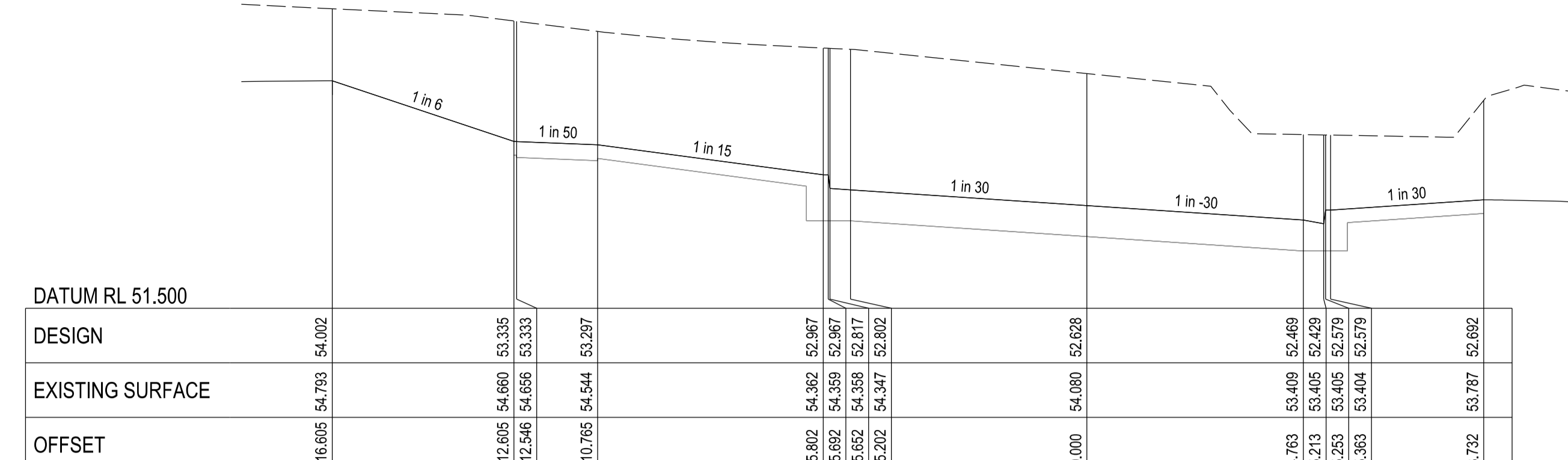
**CHARLTON DEGG**  
 LAND DEVELOPMENT CONSULTANTS  
 SUITE 1, LEVEL 1, 84 MT ELIZA WAY, MT ELIZA VIC 3930  
 www.charltondegg.com.au

COUNCIL: CITY OF CASEY  
 TITLE: JUNCTION VILLAGE PTY LTD  
 THE JUNCTION- STAGE 5  
 45 CRAIG ROAD, JUNCTION VILLAGE  
 BLUE LILY CIRCUIT CROSS SECTIONS - SHEET 2

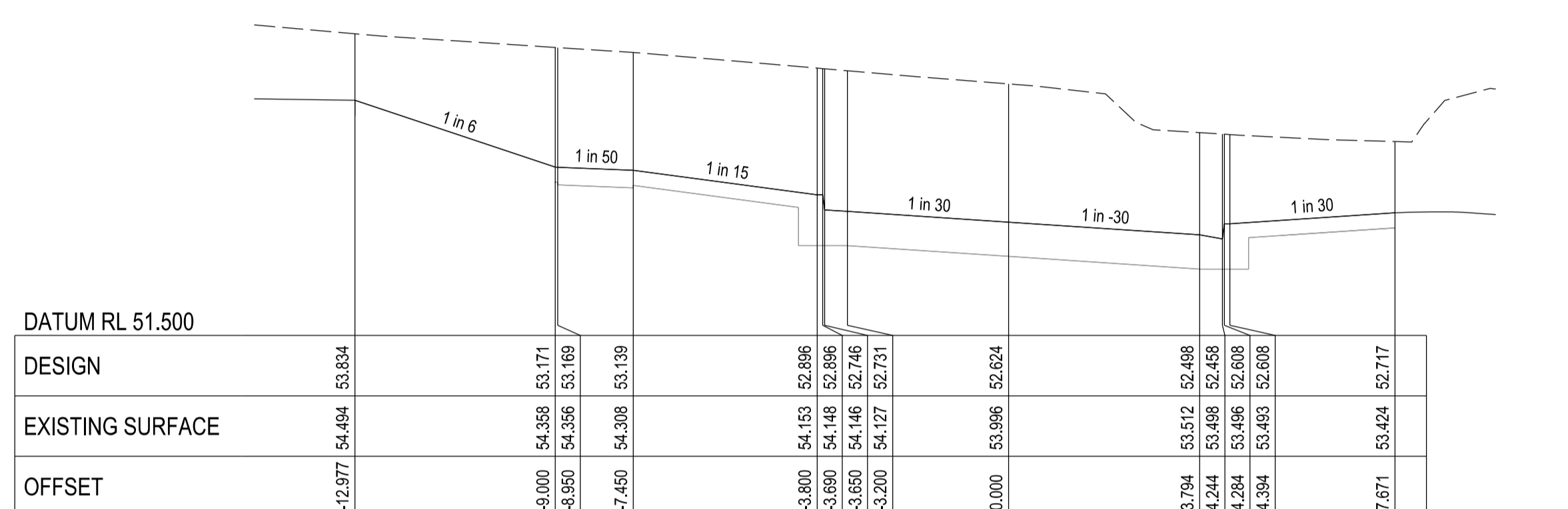
DRG NO. 1432_5/R06	REV. C	SHEET 06 OF 10
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CHAINAGE 358.759



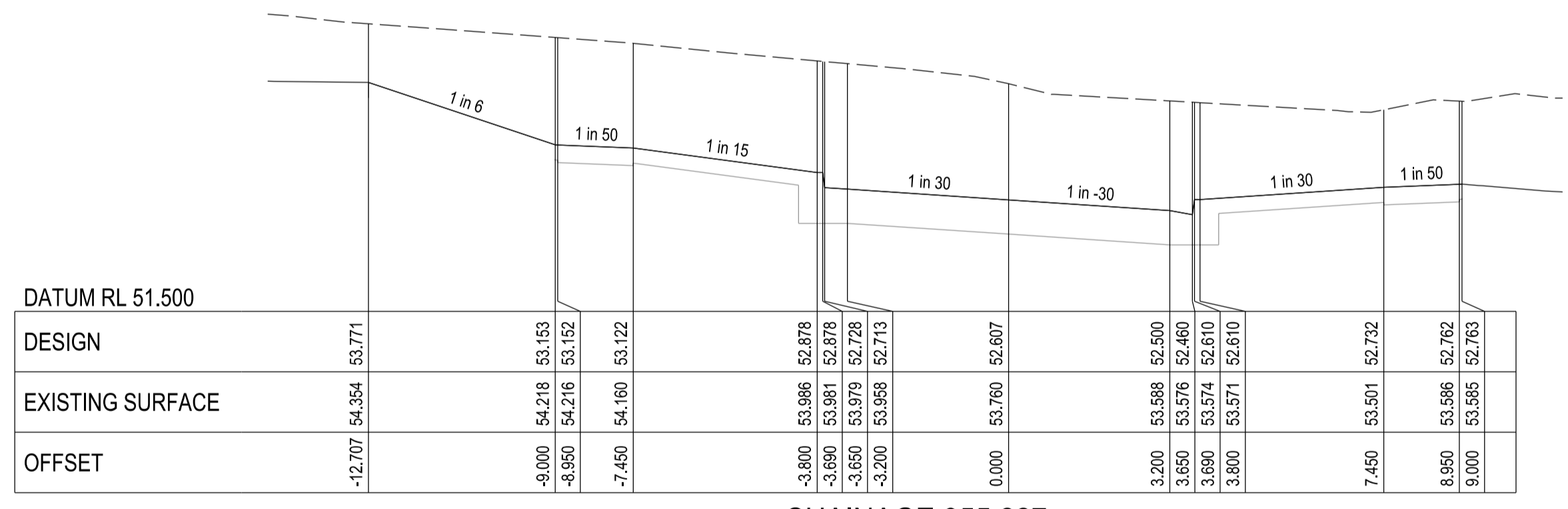
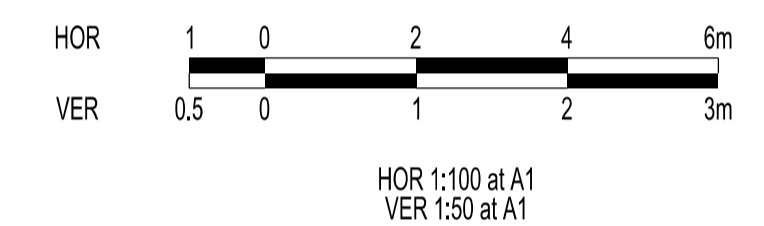
CHAINAGE 364.336



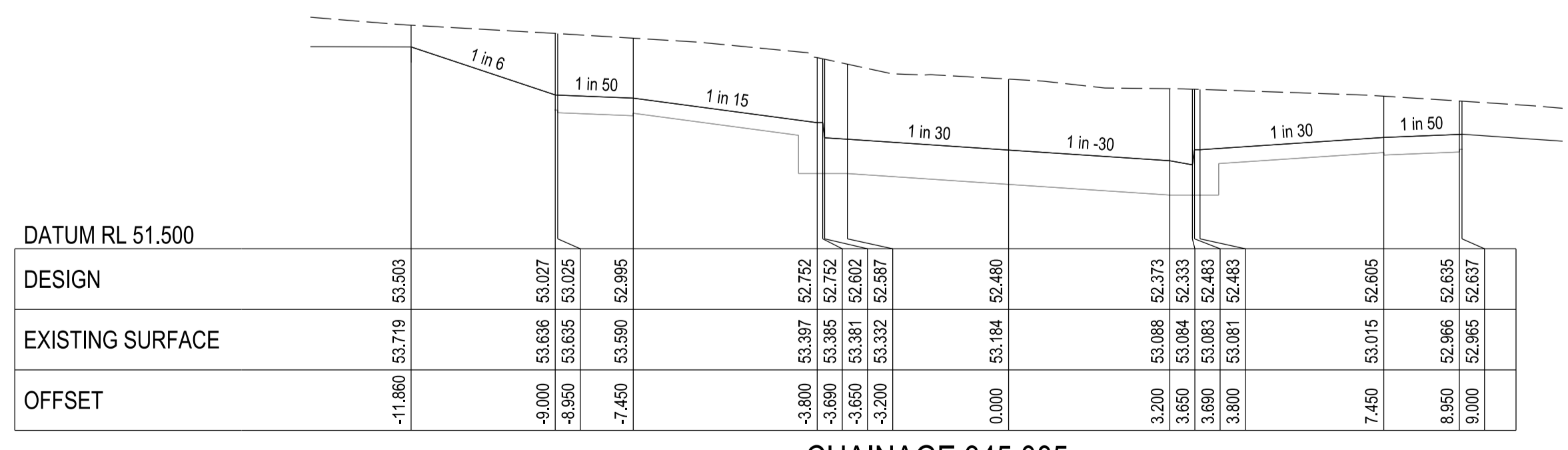
CHAINAGE 358.479



CHAINAGE 362.411



CHAINAGE 355.227



CHAINAGE 345.005

**City of Casey**  
 Approved By: Khurshedul Alam  
 File No: SEng00025/21&PlnA00387/17.C  
 Date: 22/04/2022  
**DRAWING NO: R5778**

VERSION DETAILS:			
REV	DATE	DESCRIPTION	STATUS
A	09/11/2021	FIRST COUNCIL SUBMISSION	PRELIMINARY
B	08/12/2021	COUNCIL COMMENTS 11/11/2021 & MINOR WATER MAIN AMENDMENTS	PRELIMINARY
C	10/02/2022	VEHICLE CROSSOVER CHANGE LOT 520	PRELIMINARY

FILENAME:	P:\1432\1432_5\IE12 - Design\6 - DGN\R07.dgn		
DRAWN:	O.FARNILL	DATE:	18/10/2021
DESIGNED:	M.LERNER	DATE:	18/10/2021
AUTHORISED:	T.SMITH	DATE:	18/10/2021
SCALE:	AS SHOWN		
DATE PRINTED:	31/03/2022		

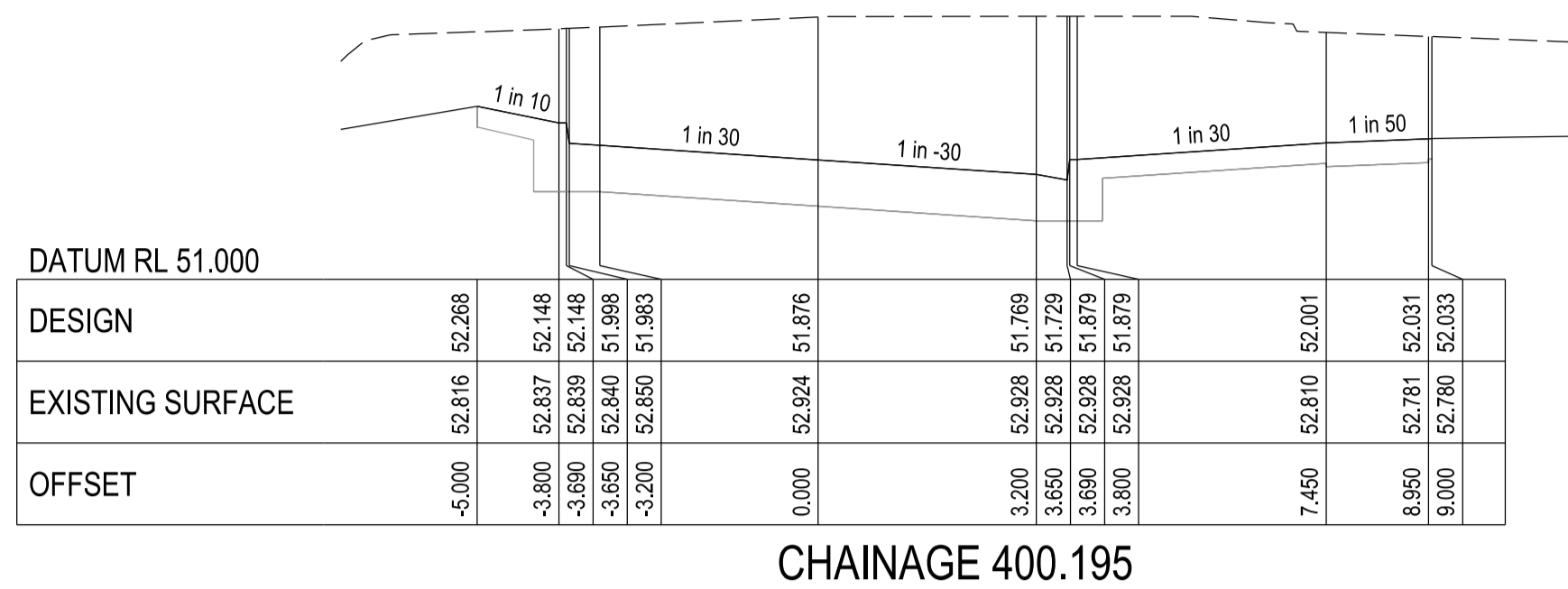
**CHARLTON DEGG**  
 LAND DEVELOPMENT CONSULTANTS  
 SUITE 1, LEVEL 1, 84 MT ELIZA WAY, MT ELIZA VIC 3930  
 www.charltondegg.com.au

COUNCIL:  
**CITY OF CASEY**

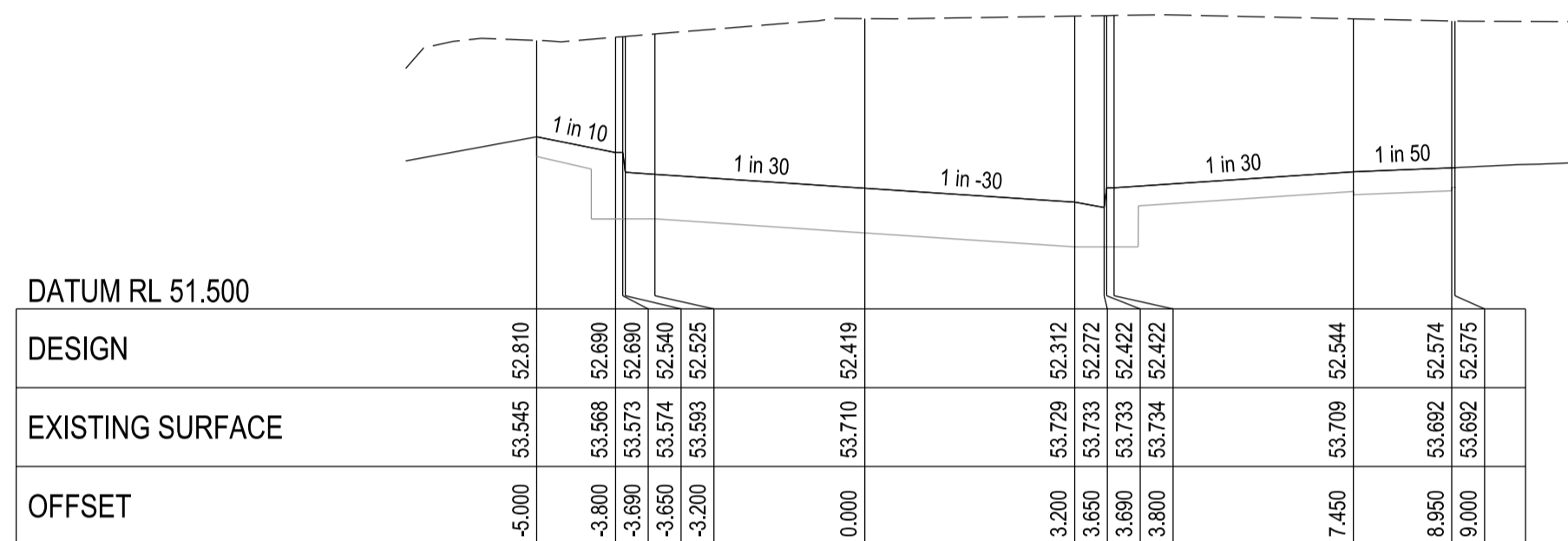
TITLE:  
**JUNCTION VILLAGE PTY LTD  
 THE JUNCTION- STAGE 5  
 45 CRAIG ROAD, JUNCTION VILLAGE**

**BLUE LILY CIRCUIT CROSS SECTIONS - SHEET 3**

DRG NO. 1432_5/R07	REV. C	SHEET 07 OF 10
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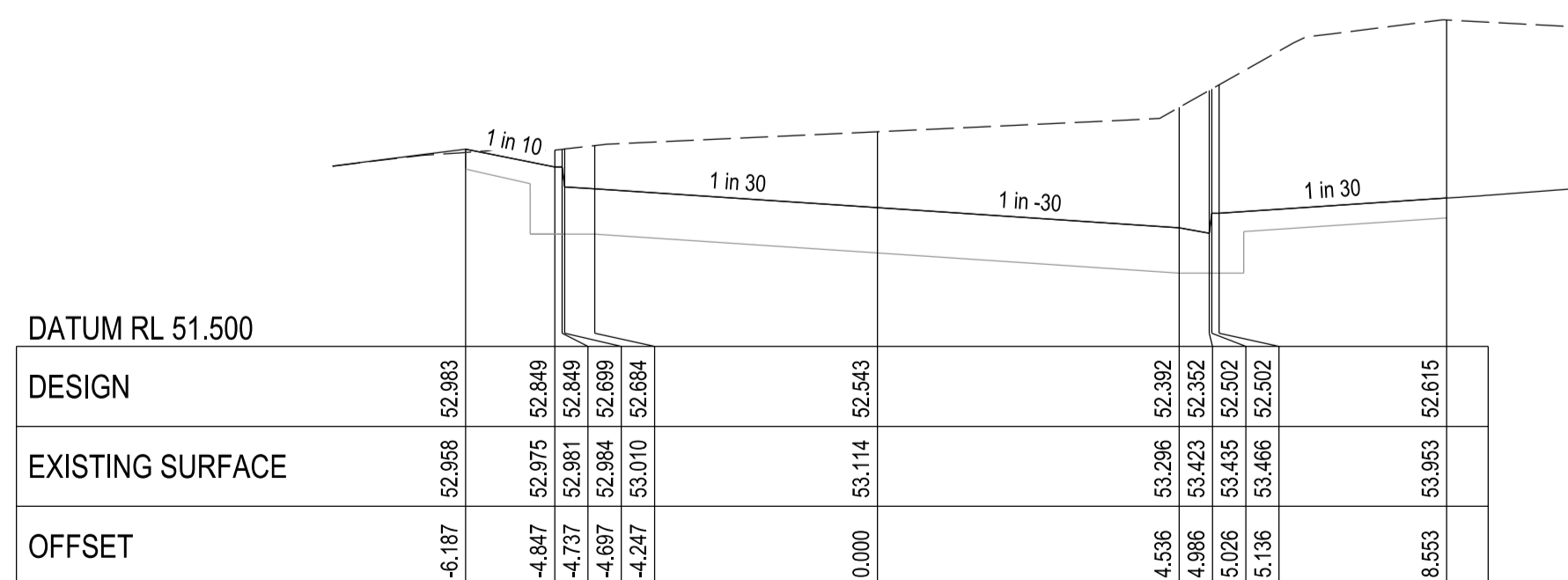
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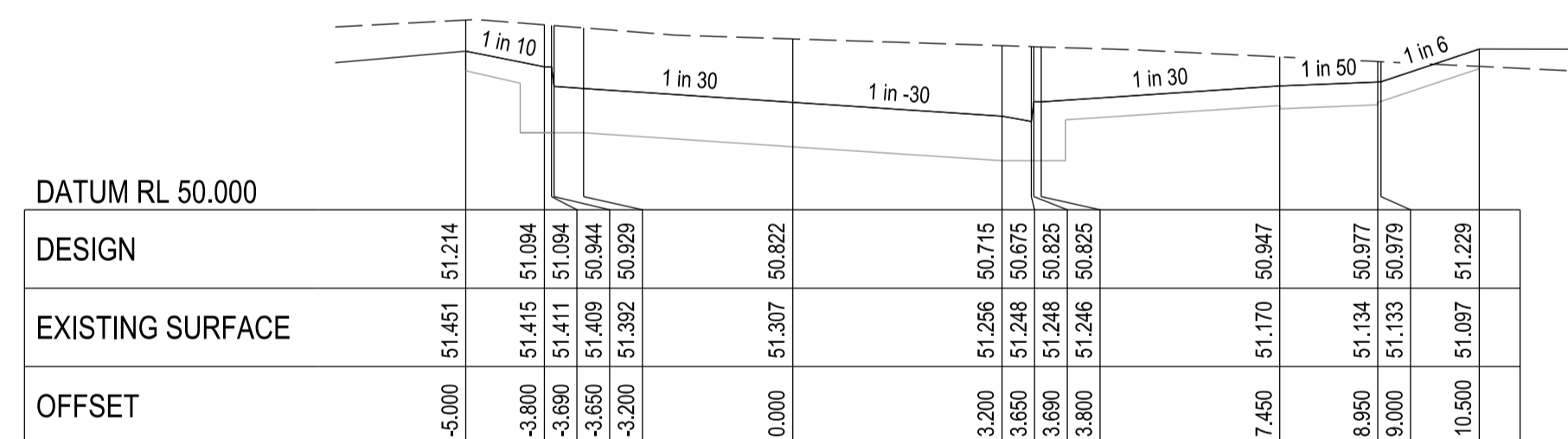
CHAINAGE 382.278



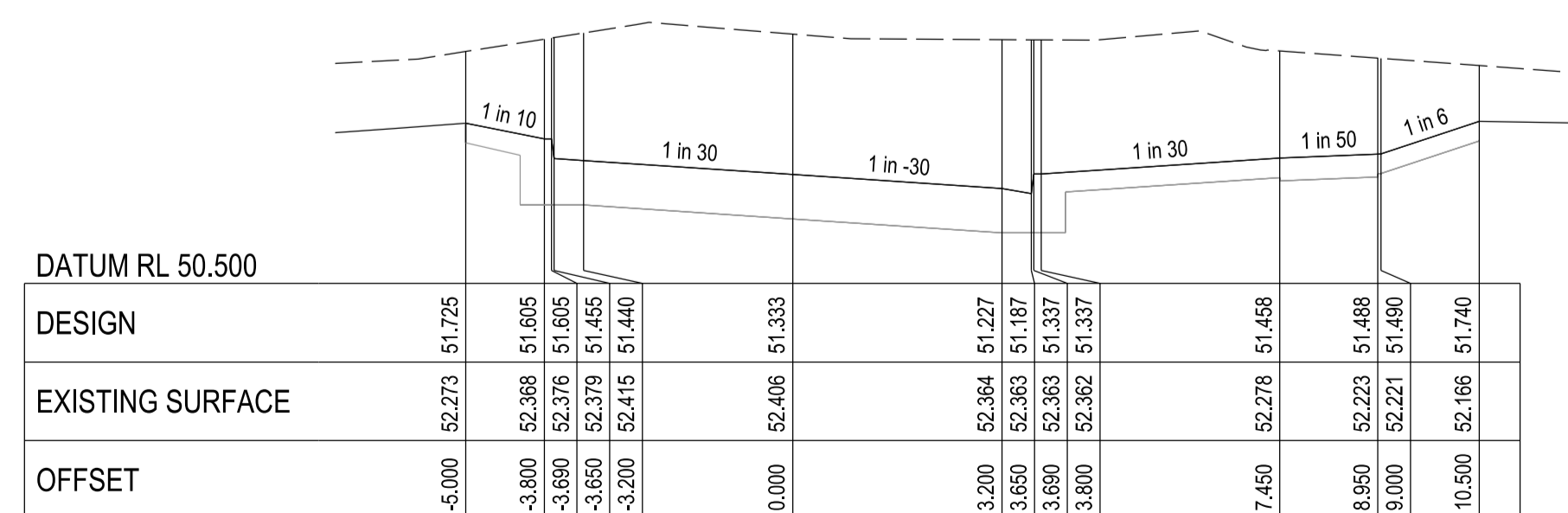
CHAINAGE 379.026



CHAINAGE 375.094

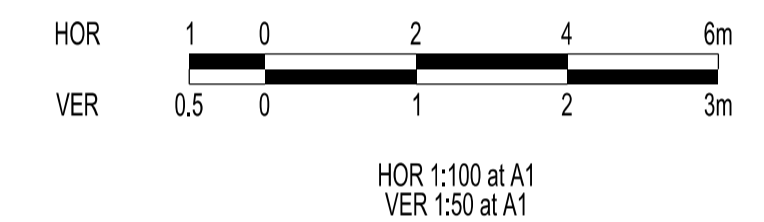


CHAINAGE 425.195  
(EXISTING)



CHAINAGE 412.695

**City of Casey**  
 Approved By: Khurshedul Alam  
 File No: SEng00025/21&PinA00387/17.C  
 Date: 22/04/2022  
**DRAWING NO: R5778**



VERSION DETAILS:

REV	DATE	DESCRIPTION	STATUS
A	09/11/2021	FIRST COUNCIL SUBMISSION	PRELIMINARY
B	08/12/2021	COUNCIL COMMENTS 11/11/2021 & MINOR WATER MAIN AMENDMENTS	PRELIMINARY
C	10/02/2022	VEHICLE CROSSOVER CHANGE LOT 520	PRELIMINARY

FILENAME: P:\1432\1432\_5\IE12 - Design\6 - DGN\R08.dgn

DRAWN: O.FARNILL	DATE: 18/10/2021	SCALE: AS SHOWN
DESIGNED: M.LERNER	DATE: 18/10/2021	DATE PRINTED: 31/03/2022
AUTHORISED: T.SMITH	DATE: 18/10/2021	



COUNCIL: CITY OF CASEY  
 TITLE: JUNCTION VILLAGE PTY LTD  
 THE JUNCTION- STAGE 5  
 45 CRAIG ROAD, JUNCTION VILLAGE

BLUE LILY CIRCUIT CROSS SECTIONS - SHEET 4

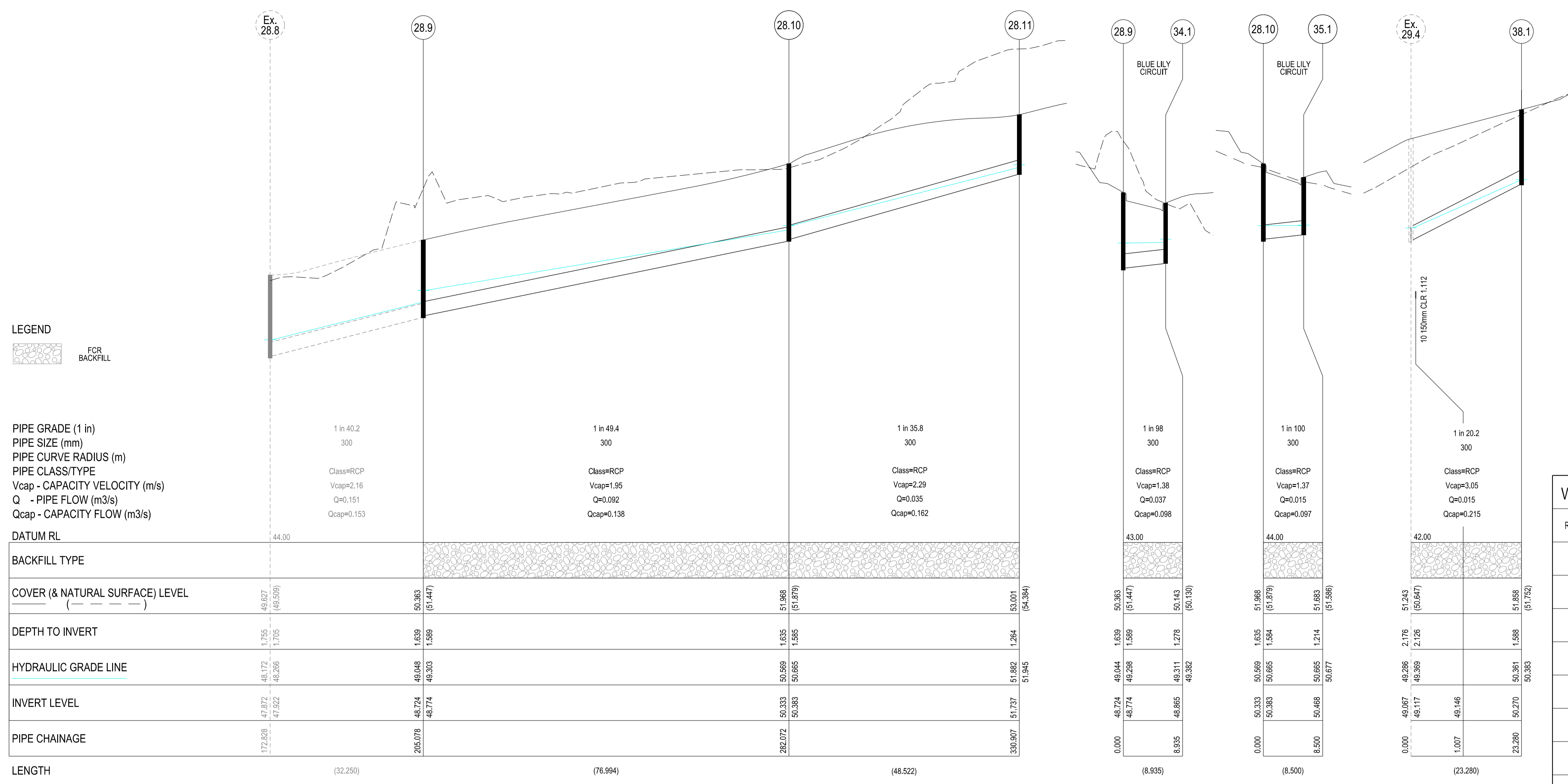
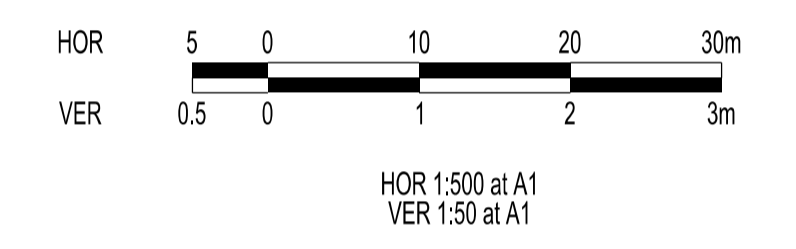
DRG NO. 1432_5/R08	REV. C	SHEET 08 OF 10
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**WARNING**  
**BEWARE OF UNDERGROUND SERVICES**  
 THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

**STOP**  
 Major Cables exist in the area, if your activities are within Telstra encroachment distances (see duty of care) contact 03 9632 9961 at least 2 business days before starting activity.

LOCATION OF WATER, GAS, ELECTRICITY AND TELECOMMUNICATION SERVICES ARE INDICATIVE ONLY



**LEGEND**  
 FCR BACKFILL

PIPE GRADE (1 in)  
 PIPE SIZE (mm)  
 PIPE CURVE RADIUS (m)  
 PIPE CLASS/TYPE  
 Vcap - CAPACITY VELOCITY (m/s)  
 Q - PIPE FLOW (m3/s)  
 Qcap - CAPACITY FLOW (m3/s)

PIPE GRADE (1 in)	1 in 40.2	1 in 49.4	1 in 35.8	1 in 98	1 in 100	1 in 20.2
PIPE SIZE (mm)	300	300	300	300	300	300
PIPE CURVE RADIUS (m)						
PIPE CLASS/TYPE	Class=RCP	Class=RCP	Class=RCP	Class=RCP	Class=RCP	Class=RCP
Vcap - CAPACITY VELOCITY (m/s)	Vcap=2.16	Vcap=1.95	Vcap=2.29	Vcap=1.38	Vcap=1.37	Vcap=3.05
Q - PIPE FLOW (m3/s)	Q=0.151	Q=0.092	Q=0.035	Q=0.037	Q=0.015	Q=0.015
Qcap - CAPACITY FLOW (m3/s)	Qcap=0.153	Qcap=0.138	Qcap=0.162	Qcap=0.098	Qcap=0.097	Qcap=0.215
DATUM RL	44.00					
BACKFILL TYPE		FCR BACKFILL				
COVER (& NATURAL SURFACE) LEVEL	49.627 (49.509)	50.363 (51.447)	51.968 (51.679)	53.001 (54.394)	51.968 (51.679)	51.858 (51.752)
DEPTH TO INVERT	1.755 (1.705)	1.639 (1.699)	1.635 (1.665)	1.278 (1.264)	1.635 (1.584)	1.598 (1.598)
HYDRAULIC GRADE LINE	48.172 (48.266)	49.048 (49.303)	50.569 (50.665)	51.862 (51.945)	50.569 (50.665)	49.286 (50.361)
INVERT LEVEL	47.917 (47.922)	48.724 (48.774)	50.333 (50.383)	51.737 (51.737)	50.333 (50.383)	50.270 (50.270)
PIPE CHAINAGE	172.828	205.078	282.072	330.907	0.000	23.280
LENGTH	(32.250)	(76.994)	(48.522)	(8.935)	(8.500)	(23.280)

**PIT SCHEDULE**

Pit Name	TYPE	EASTING	NORTHING	INTERNAL WD	LEN	INLET DIA	INV LEV	OUTLET DIA	INV LEV	PIT SETOUT RL	DEPTH	REMARKS
28.11	JP	50459.965	77324.594	600	900	300	50.383	300	51.737	53.001	1.264	EDCM 605
28.10	JP	50413.275	77311.389	600	900	300	50.383	300	50.333	51.968	1.635	EDCM 605
28.9	JP	50336.293	77312.765	600	900	300	48.774	300	48.724	50.363	1.639	EDCM 605
						300	48.774	300	50.363	50.363	1.639	Line 34 enters
34.1	DBGSEP	50338.894	77304.217	600	900			300	48.865	50.143	1.278	EDCM602
35.1	DBGSEP	50413.062	77302.892	600	900			300	50.468	51.683	1.214	EDCM602
38.1	JP	50428.246	77289.99	600	900			300	50.27	51.858	1.588	EDCM 605

**NOTE:**  
 1. xy setout to pit lid centre  
 2. setout level to pit cover level  
 3. Step irons to be provided in all pits as per EDCM609  
 3. Pits deeper than 2.5m require either gatic or locking fibre glass type pit lids

**City of Casey**  
 Approved By: Khurshedul Alam  
 File No: SEng00025/21&PhA00387/17.C  
 Date: 22/04/2022  
**DRAWING NO: R5778**

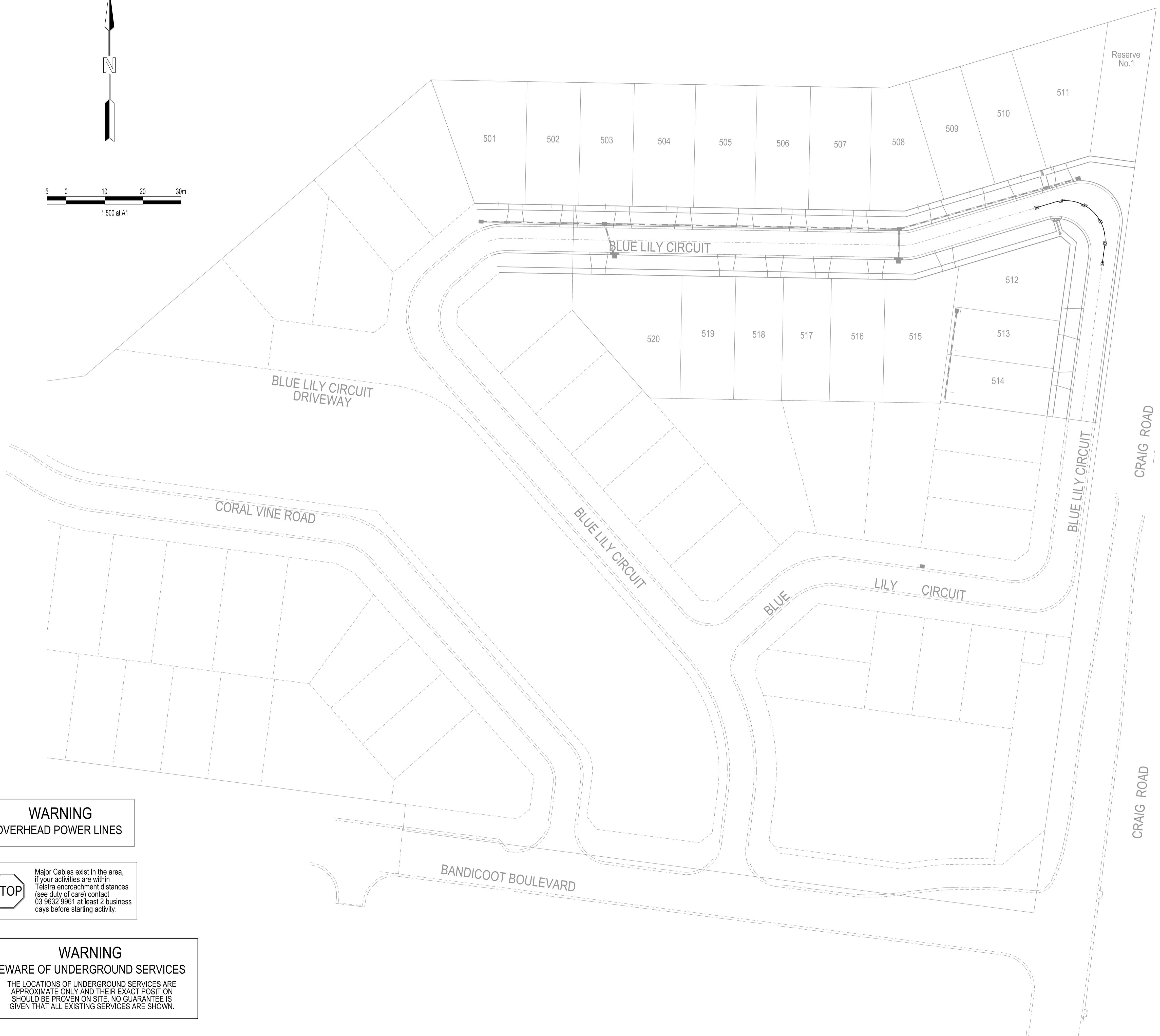
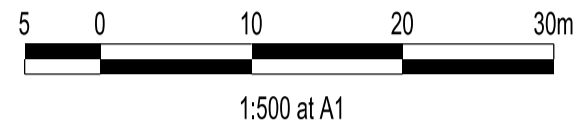
**VERSION DETAILS:**

REV	DATE	DESCRIPTION	STATUS
A	09/11/2021	FIRST COUNCIL SUBMISSION	PRELIMINARY
B	08/12/2021	COUNCIL COMMENTS 11/11/2021 & MINOR WATER MAIN AMENDMENTS	PRELIMINARY
C	10/02/2022	VEHICLE CROSSOVER CHANGE LOT 520	PRELIMINARY

FILENAME: P:\1432\1432\_5IE12 - Design\6 - DGN\R09.dgn  
 DRAWN: O.FARNILL DATE: 18/10/2021 SCALE: AS SHOWN  
 DESIGNED: M.LERNER DATE: 18/10/2021 DATE PRINTED: 31/03/2022  
 AUTHORISED: T.SMITH DATE: 18/10/2021



COUNCIL: CITY OF CASEY  
 TITLE: JUNCTION VILLAGE PTY LTD  
 THE JUNCTION- STAGE 5  
 45 CRAIG ROAD, JUNCTION VILLAGE  
 DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULE



**City of Casey**  
 Approved By: Khurshedul Alam  
 File No: SEng00025/21&PinA00387/17.C  
 Date: 22/04/2022

**DRAWING NO: R5778**

**VERSION DETAILS:**

REV	DATE	DESCRIPTION	STATUS
A	09/11/2021	FIRST COUNCIL SUBMISSION	PRELIMINARY
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C	10/02/2022	VEHICLE CROSSOVER CHANGE LOT 520	PRELIMINARY

FILENAME: P:\1432\1432\_5\IE12 - Design\6 - DGN\R10.dgn

DRAWN:	O.FARNILL	DATE:	18/10/2021	SCALE:	AS SHOWN
DESIGNED:	M.LERNER	DATE:	18/10/2021	DATE PRINTED:	31/03/2022
AUTHORISED:	T.SMITH	DATE:	18/10/2021		




SUITE 1, LEVEL 1, 84 MT ELIZA WAY, MT ELIZA VIC 3930  
 www.charltondegg.com.au

COUNCIL:  
**CITY OF CASEY**

TITLE:  
**JUNCTION VILLAGE PTY LTD  
 THE JUNCTION- STAGE 5  
 45 CRAIG ROAD, JUNCTION VILLAGE**

**SIGNAGE AND LINE MARKING PLAN**

**WARNING**  
**OVERHEAD POWER LINES**

 Major Cables exist in the area, if your activities are within Telstra encroachment distances (see duty of care) contact 03 9632 9961 at least 2 business days before starting activity.

**WARNING**  
**BEWARE OF UNDERGROUND SERVICES**

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