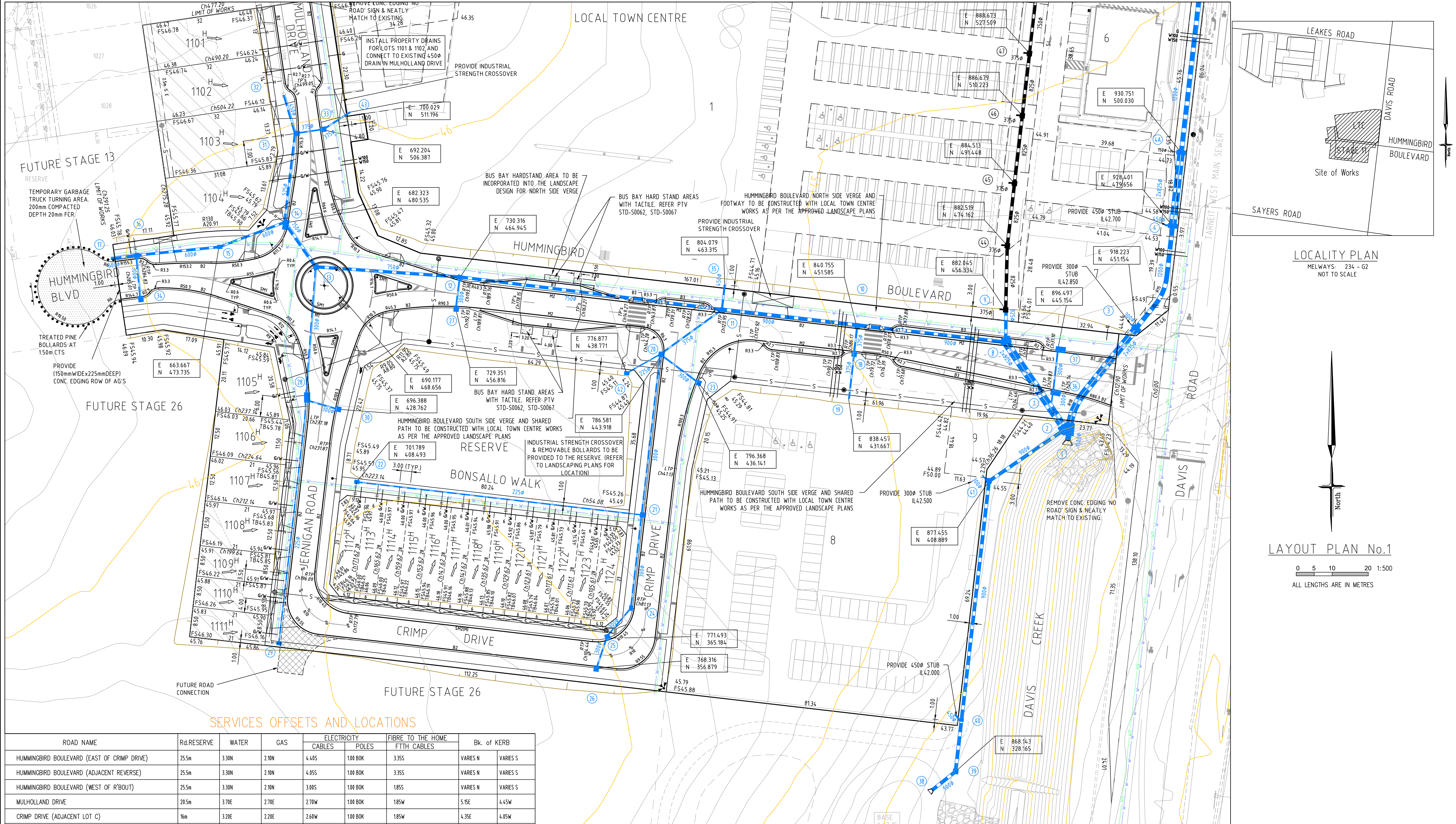


FOR CONTINUATION REFER SHEET 2



SERVICES OFFSETS AND LOCATIONS

ROAD NAME	Rd.RESERVE	WATER	GAS	ELECTRICITY CABLES	POLES	FIBRE TO THE HOME FTTH CABLES	Bk. of KERB
HUMMINGBIRD BOULEVARD (EAST OF CRIMP DRIVE)	25.5m	3.30N	2.10N	4.40S	100 BOK	3.35S	VARIES N
HUMMINGBIRD BOULEVARD (ADJACENT REVERSE)	25.5m	3.30N	2.10N	4.05S	100 BOK	3.35S	VARIES N
HUMMINGBIRD BOULEVARD (WEST OF R'BOUT)	25.5m	3.30N	2.10N	3.00S	100 BOK	1.85S	VARIES N
MULHOLLAND DRIVE	20.5m	3.70E	2.70E	2.70W	100 BOK	1.85W	5.15E
CRIMP DRIVE (ADJACENT LOT C)	16m	3.20E	2.20E	2.60W	100 BOK	1.85W	4.35E
CRIMP DRIVE (EAST/WEST)	16m			2.60W	100 BOK	1.85S	3.90N
CRIMP DRIVE (ADJACENT LOTS 1105-1111)	16m	3.20W	2.20W	2.60S	100 BOK	1.85E	4.05E
WALK (ADJACENT RESERVE)	5m	2.75S	1.75S	2.60E			VARIES E
DAVIS ROAD		3.50W					VARIES W

NOTES

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.

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.

ATTENTION TO CONTRACTOR

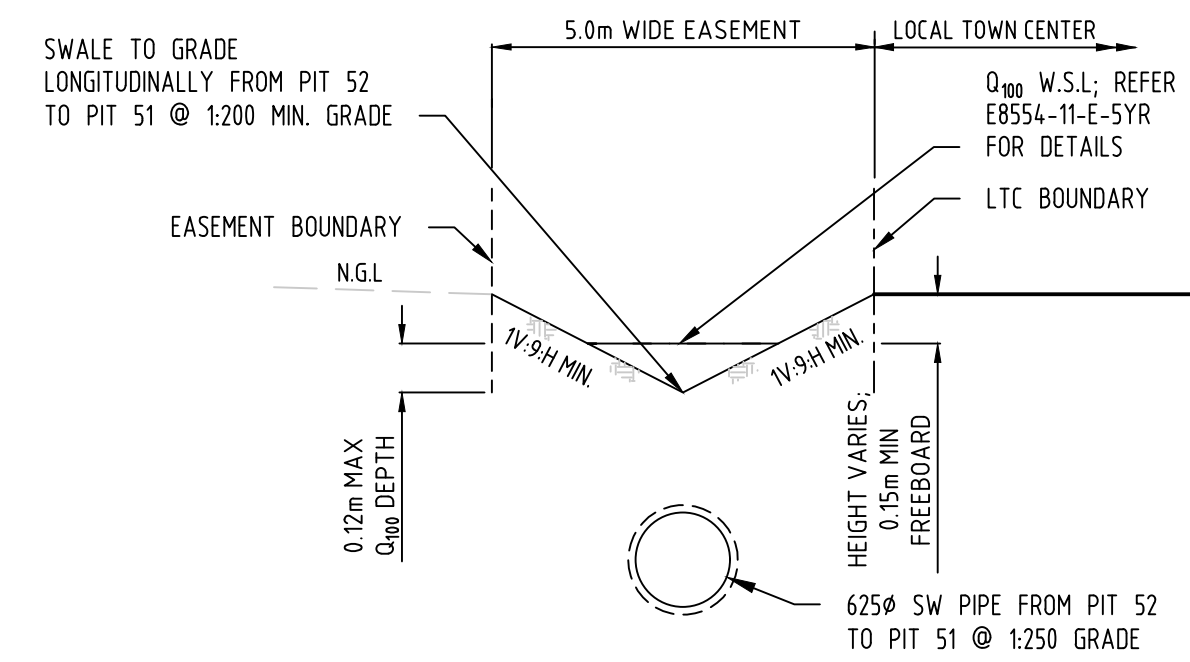
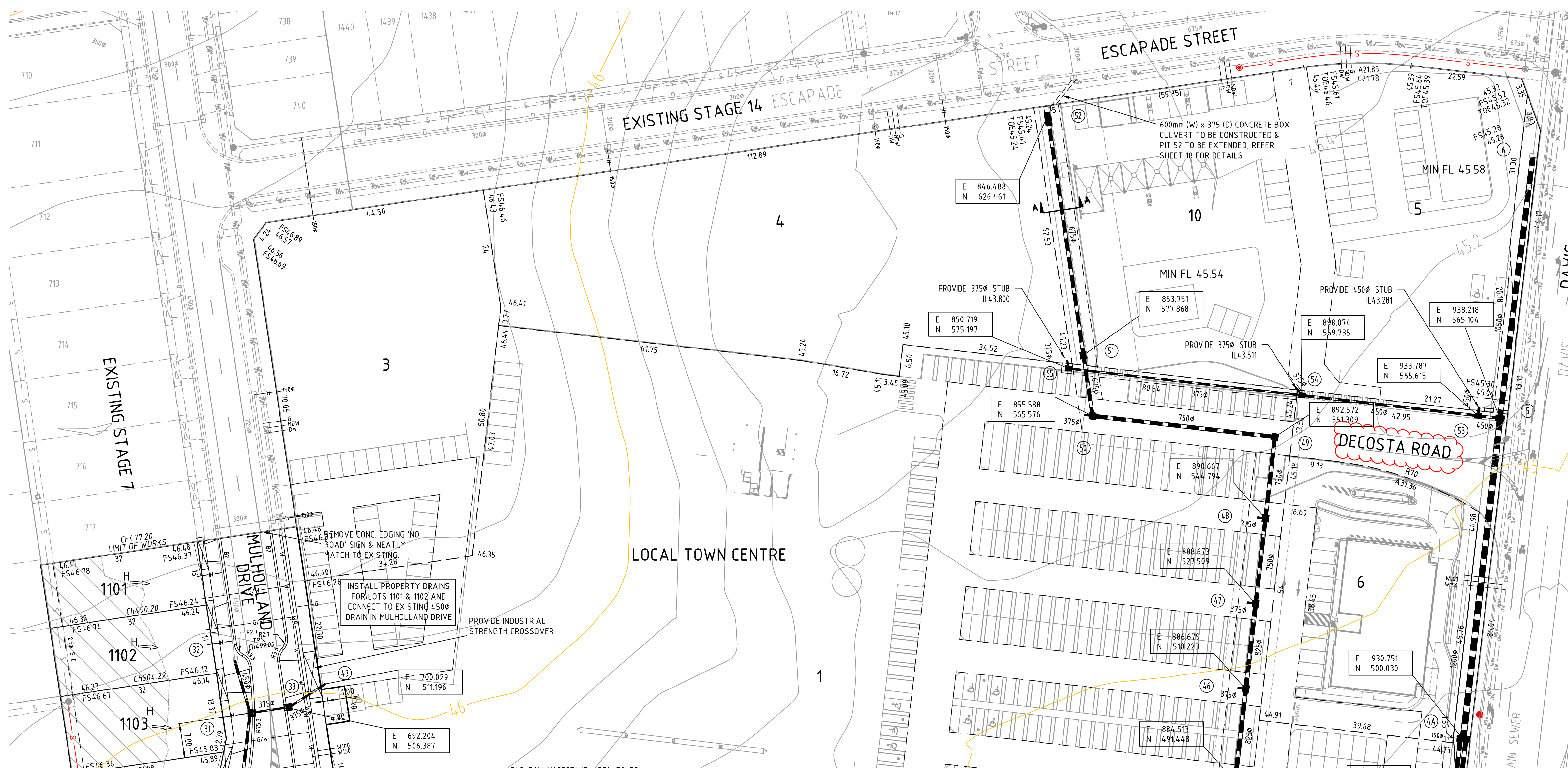
1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL
PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES
SHOWN.
2. Contractor to ensure that the site is pegged by a licenced surveyor and or set out
checked by a licenced surveyor prior to underground infrastructure being installed.
3. Where concrete works abut a sewer access chamber surround or similar structure,
an expansion joint of approved material shall be provided between the two faces.

SYMBOL LEGEND

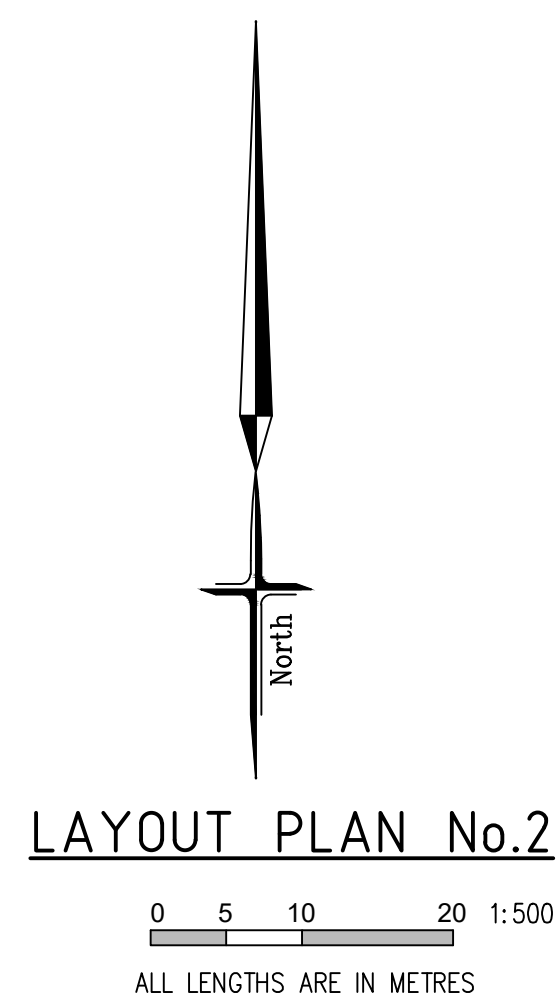
Drains	Prop	Exist	Exist Surface Level	+ 78.57
Sewer < 300	S	S	Prop Surface Level	+ 78.57
Sewer > 300	S	S	Prop Top Batter Level	+ 78.57
Potable Water	W	W	Prop Toe Batter Level	+ 78.57
Recycled Water	RW	RW	Prop Top Retaining Wall Level	+ 78.57
Property Inlet				
Street Sign				
PSM				
Retaining Wall			Fill > 150mm	
Conduits 50mm			Cut > 150mm	
Conduits 100mm				
Ex Gas/Elect/Tel				

AMENDMENTS	DATE	REMARKS
M	25-06-19	STREET NAME AMENDED
L	11-06-19	CHANGED OF STREET NAME FROM CRIMP CIRCUIT TO CRIMP DRIVE
K	18-04-19	PIT 4.0 INCLUDED. ROAD NAME UPDATE. CRIMP DRIVE PEDESTRIAN CROSSING LOCATIONS AMENDED.
J	12-03-19	CRIMP DRIVE DRIVEWAYS UPDATED
I	01-03-19	SHEET NUMBERING UPDATE
H	09-01-19	CRIMP DRIVE KERB AMENDED
G	09-11-18	PATH REMOVED ON HUMMINGBIRD BLVD (SOUTH) BETWEEN CRIMP DRIVE
VER		

	breese pitt dixon pty. ltd. land surveyors civil engineers	Council Ref No. -	1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310
MELWAY REF.	234 G-2	SURVEY	BPD
DESIGN	M.A.	DRAWN	M.A.
CHECKED		SCALE	AS SHOWN
DATUM	AHD	DATE	JUN'19
SHEET	1 OF 18	M	



TYPICAL SECTION A-A
EASEMENT ARRANGEMENT
NOT TO SCALE

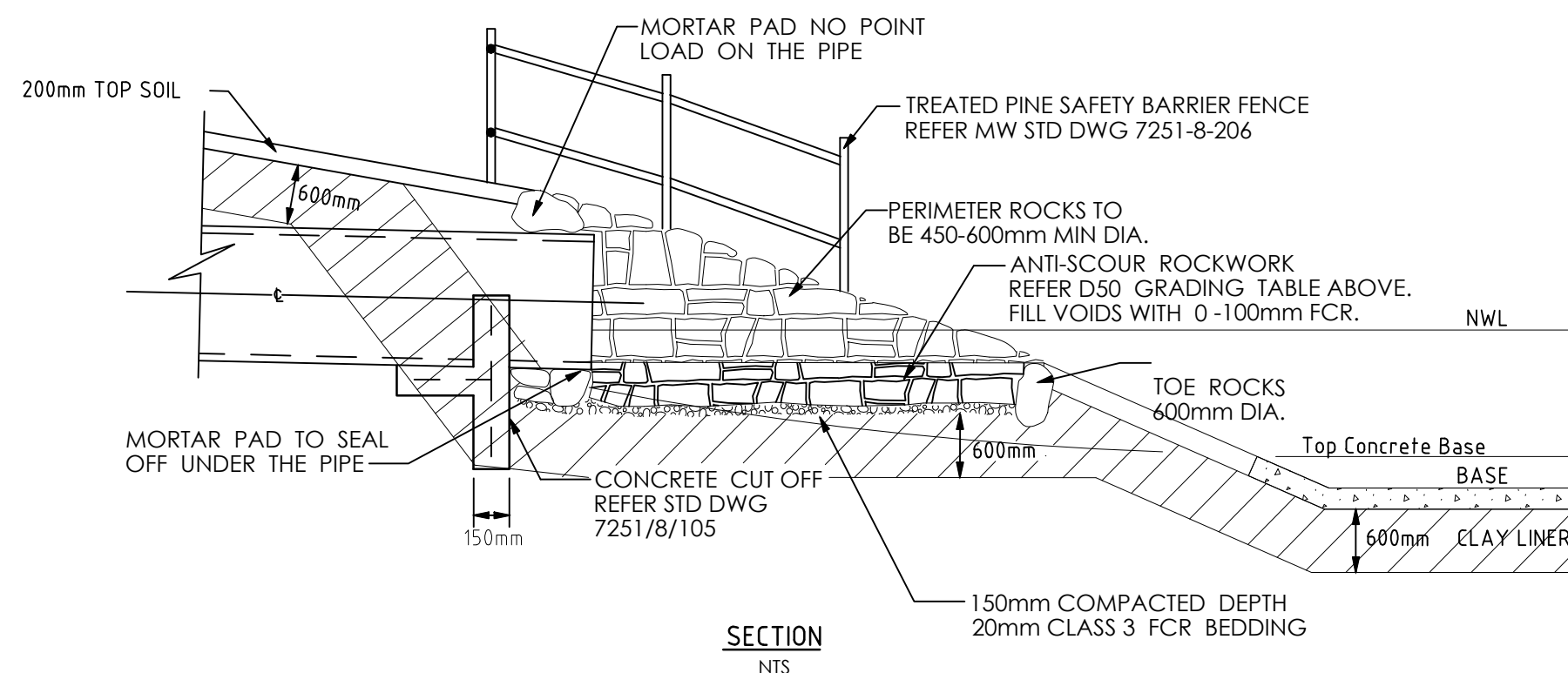


AS CONSTRUCTED

FOR CONTINUATION REFER SHEET 1

SHEET INDEX

SHT No.	VER	DESCRIPTION
1	M	LAYOUT PLAN No. 1, LOCALITY PLAN & SERVICE OFFSETS TABLE
2	N	LAYOUT PLAN No.2
3	E	GEN. NOTES, PAVEMENT COMPOSITIONS & TYPICAL CROSS SECTIONS
4	C	HUMMINGBIRD BOULEVARD LONG & CROSS SECTIONS
5	A	HUMMINGBIRD BOULEVARD CROSS SECTIONS
6	D	CRIMP DRIVE LONG & CROSS SECTIONS
7	E	CRIMP DRIVE CROSS SECTIONS
8	C	MULHOLLAND DRIVE LONG & CROSS SECTIONS & PIT SCHEDULE
9	D	INTERSECTION DETAILS – SHEET 1 OF 4
10	A	INTERSECTION DETAILS – SHEET 2 OF 4
11	F	INTERSECTION DETAILS – SHEET 3 OF 4
12	F	INTERSECTION DETAILS – SHEET 4 OF 4
13	D	DRAINAGE LONGITUDINAL SECTIONS – SHEET 1 OF 2
14	F	DRAINAGE LONGITUDINAL SECTIONS – SHEET 2 OF 2
15	B	DRAINAGE PIT DETAILS
16	A	LTC DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULE
17	D	SIGNAGE & LINEMARKING PLAN

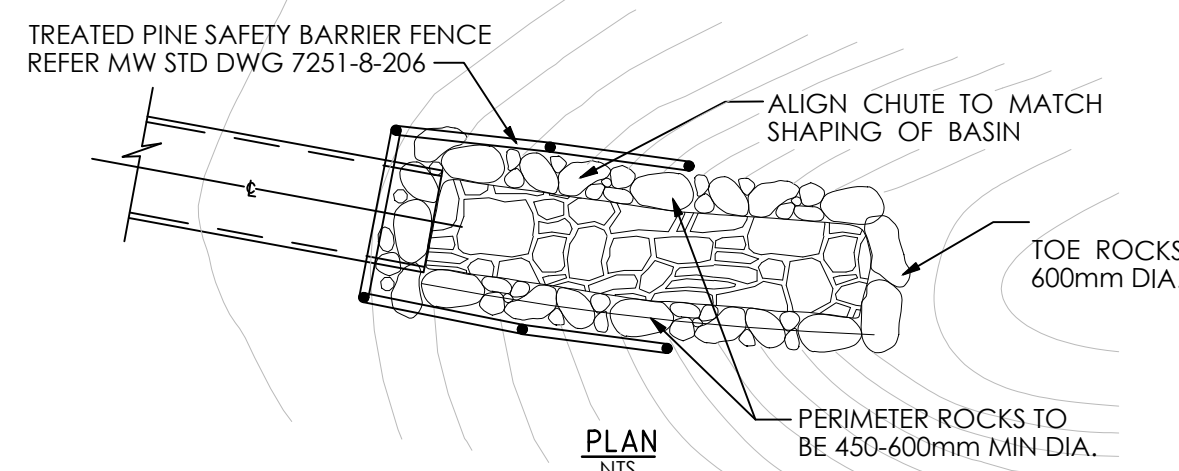


SECTION
NTS

- ROCK SOURCE AND TYPE
1. ROCK SHALL BE SOURCED FROM AN APPROPRIATE QUARRY.
 2. ROCK SHALL BE:
TOUGH AND DURABLE WITH A CRUSHING STRENGTH OF AT LEAST 25MPa.
FREE OF DEFINED CLEAVAGE PLANES WITH SHAPE PREDOMINANTLY ANGULAR WITH ROUNDS OR LONG SPLINTERS MINIMISED.
NOT ADVERSELY AFFECTED BY REPEATED WETTING AND DRYING.

ROCK END WALL - TYPICAL DETAILS
PIPE CONNECTIONS TO SEDIMENTATION PONDS

NTS



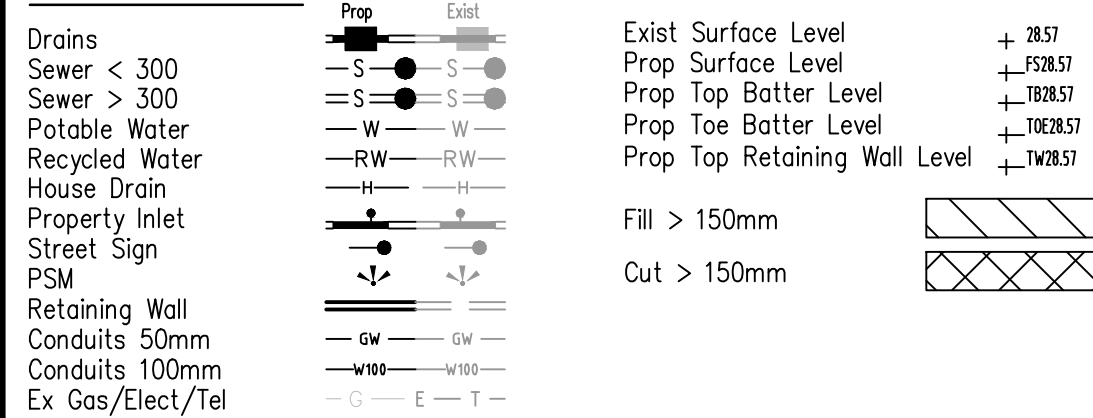
PLAN
NTS

ROCKWORK FOR SCOUR PROTECTION
PIPE CONNECTIONS TO RETARDING BASIN

Equivalent Spherical Diameter (x)	Percentage (by weight) of Rock of smaller size	Sizing (mm)
1.5 - 2.0 (x) D50	100	375 - 500
D50 (x)	50	250
0.3 - 0.4 (x) D50	25	75 - 100
0.1 - 0.2 (x) D50	10	25 - 50

(x) The diameter of a sphere with an equivalent volume to the individual rock.
(x) D50 is the median rock diameter of the rock mix.
NB. Minimum Thickness of Rockwork = 600mm.

SYMBOL LEGEND



AMENDMENTS	DATE	REMARKS
N	20-09-19	SHEET INDEX AMENDED & ROAD NAME ADDED
M	25-06-19	SHEET INDEX AMENDED
L	11-06-19	SHEET INDEX AMENDED & STREET NAME CHANGED
K	09-05-19	SHEET INDEX AMENDED
J	09-05-19	SHEET INDEX AMENDED
I	18-04-19	SHEET INDEX AMENDED
H	01-03-19	SHEET INDEX AMENDED. SHEET NUMBERING UPDATE
VER	DATE	REMARKS

Council Ref No. -

1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

breese pitt dixon pty. ltd.
land surveyors
civil engineers

MELWAY REF. 234 G-2

SURVEY BPD

DESIGN M.A.

DRAWN M.A.

RIVERDALE VILLAGE
STAGE 11
LAYOUT PLAN No.2

MUNICIPALITY
WYNDHAM

REFERENCE
8554 E/11

SCALE AS SHOWN

DATUM AHD

DATE JUN'19

SHEET 2 OF 18

N

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.

- ATTENTION TO CONTRACTOR
1. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT THE DIGITAL PLAN, PROVIDED FOR SETOUT PURPOSES, MATCHES THE TBM COORDINATES SHOWN.
 2. Contractor to ensure that the site is pegged by a licenced surveyor and or set out checked by a licenced surveyor prior to underground infrastructure being installed.
 3. Where concrete works about a sewer access chamber surround or similar structure, an expansion joint of approved material shall be provided between the two faces.

GENERAL NOTES

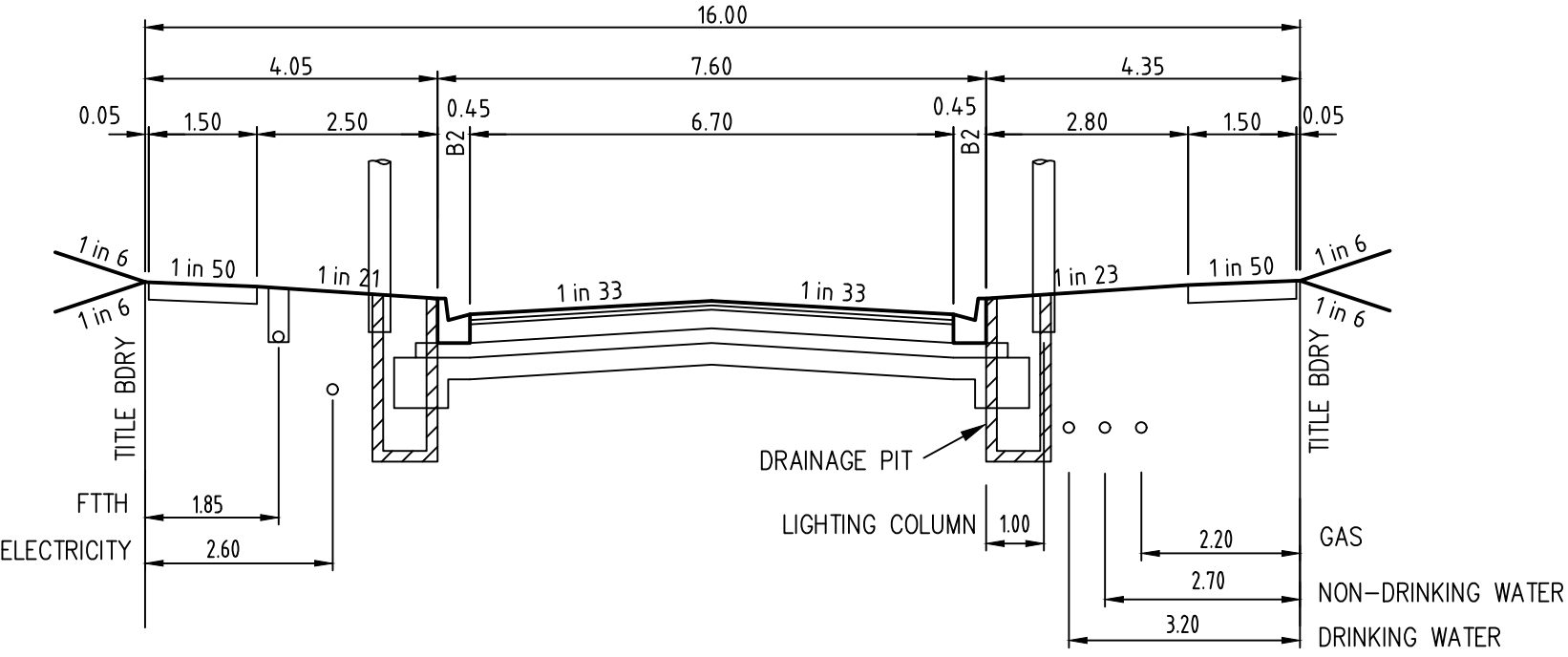
1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH WYNDHAM CITY COUNCIL PLANS AND SPECIFICATIONS APPROVED BY COUNCIL AND TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
2. COUNCIL AND ALL SERVICE AUTHORITIES TO BE NOTIFIED 7 CLEAR DAYS PRIOR TO COMMENCEMENT OF WORKS.
3. DRAINAGE AND PITS TO BE SET OUT FROM OFFSETS SHOWN RATHER THAN FROM PIPE CHAINAGES.
4. PROPERTY INLETS ARE TO BE PLACED 10m FROM THE LOW CORNER OF LOT UNLESS OTHERWISE SHOWN.
5. LOTS DENOTED THUS 'H' ARE TO BE PROVIDED WITH A 100mm DIA. HOUSE DRAIN PLACED 6.00m FROM LOW CORNER OF LOT UNLESS SHOWN OTHERWISE. HOUSE DRAIN TO BE CONNECTED TO STORMWATER DRAINS IF PRESENT. COVER AT THE BUILDING LINE TO BE MINIMUM OF 600mm.
6. ALL PIPES UNDER ROAD PAVEMENTS TO BE RRJ RCP (CLASS 4). ALL OTHER PIPES TO BE RRJ RCP CLASS 2 UNLESS OTHERWISE SPECIFIED
7. DRAINAGE PIPES LAID ON A CURVE MUST BE RRJ AND THE RADIUS OF CURVATURE COMPLY WITH THE MANUFACTURERS SPECIFICATIONS. DRAINAGE PIPES LAID ON A CURVE SHALL HAVE THE BUILDING LINE PEGGED AT MINIMUM 15m INTERVALS.
8. ALL SEWER MAINS, CONDUITS & PIPES UNDER ROAD PAVEMENT, CONCRETE DRIVEWAYS, FOOTPATHS AND PARKING BAYS ARE TO BE BACKFILLED WITH 20mm CLASS 2 BASALTIC FCR COMPACTED TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE. WHERE SEWER MAINS ARE ADJACENT TO STORMWATER PIPELINES THE BACKFILL OF THE DEEPER TRENCH SHALL BE IN ACCORDANCE WITH COUNCILS STANDARD DRAWING SD 6-10 (1996)
9. DRAINAGE PIPES BEHIND BACK OF KERB TO BE BACKFILLED WITH 20mm CLASS 3 BASALTIC ROCK COMPACTED TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
10. AGRICULTURAL PIPE DRAINS TO BE PLACED BEHIND ALL KERB AND CHANNEL, KERB ONLY AND EDGE STRIPS. REFER TO COUNCIL STANDARD DGN. SD7-1A & SD7-2. AGRICULTURAL DRAINS TO BE CONNECTED TO UNDERGROUND DRAINAGE VIA PITS.
11. PRIOR TO COMMENCEMENT OF WORKS ON SITE, THE CONTRACTOR MUST ENSURE THAT ALL MATTERS RELATING TO THE OCCUPATIONAL HEALTH AND SAFETY ACT 2004, INCLUDING ALL RELEVANT REGULATIONS, HAVE BEEN ADDRESSED. IN PARTICULAR, THE REQUIRED NOTIFICATIONS MUST BE CONVEYED TO THE VICTORIAN WORKCOVER AUTHORITY - HEALTH & SAFETY DIVISION WITH RESPECT TO TRENCHING OPERATIONS. DETAILS OF THE CONTRACTORS OCCUPATIONAL HEALTH & SAFETY PROCEDURES MUST BE LODGED WITH THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORKS.
12. BATTERS SHALL BE IN 1 IN 6 FOR CUT AND FILL UNLESS OTHERWISE SHOWN. IF OPEN DRAIN DEPTH OF OPEN CUT EXCEEDS 10m THEN A FENCE MUST BE INSTALLED AROUND THE OPEN DRAIN.
13. (i) ROAD CONTRACTOR ->
(ii) LENGTH OF ROAD -> 496 Ln m
(iii) LENGTH OF DRAINAGE -> 1058 Ln m
14. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION:
a) SOURCE OF QUARRY MATERIAL.
b) OPTIMUM MOISTURE CONTENT AND MAXIMUM MODIFIED DRY DENSITY OF THE F.C.R. TO BE USED (FROM NATA APPROVED LABORATORY).
c) IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF WORKS, NEW TEST RESULTS SHALL BE PROVIDED.
15. NO TOP SOIL SHALL BE REMOVED FROM LAND COVERED BY THE SUBDIVISION WITHOUT THE WRITTEN CONSENT OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE. THE TRUCK ROUTE FOR REMOVAL OF SPOIL FROM SITE IS TO BE SUBMITTED TO AND APPROVED BY THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE IN WRITING PRIOR TO COMMENCEMENT OF ANY WORK. ALL CLEAN FILL REMOVED FROM SITE IS TO BE TAKEN TO WESTS ROAD RESERVE REUSE DISPOSAL FACILITY UNLESS OTHERWISE APPROVED IN WRITING BY THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
16. ON COMPLETION THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL RUBBISH AND SPOIL FROM THE SITE.
17. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL NECESSARY SHORING AND PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS ETC. NECESSARY TO KEEP THE WORKS IN A SAFE AND STABLE CONDITION AND PROTECT THE PUBLIC FROM THE WORK AS PER AUSTRALIAN STANDARD AS1742.12.3 -1986.
18. REMOVAL OR RETENTION OF EXISTING TREES OR VEGETATION MUST BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLANS. NO MATERIAL IS TO BE BURNT ON SITE.
19. ANY FOOTPATH OR KERB AND CHANNEL DAMAGED DURING CONSTRUCTION AND MAINTENANCE PERIOD TO BE REINSTATED TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
20. LOTS TO BE GRADED TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE. ALL LOTS TO BE 1 IN 150 MINIMUM SLOPE FRONT TO REAR OR REAR TO FRONT.
21. FILL AREAS TO BE STRIPPED OF TOPSOIL, FILLED USING APPROVED CLAY FILL, AND TOPSOIL REPLACED TO OBTAIN FINAL FILL LEVELS AS SHOWN ON PLANS. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS3798-2007, SECTION 8.2, LEVEL 1 ("GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS"). ON COMPLETION THE CONTRACTOR SHALL PRESENT A "LEVEL 1" TYPED REPORT, FROM A NATA REGISTERED SOIL TESTING LABORATORY, NOMINATING THE EXTENT OF FILL PLACED, ITS CONFORMANCE WITH THE SPECIFICATION AND ITS CLASSIFICATION AS "CONTROLLED FILL". IF ANY 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.
22. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL IMPORTED FILL MATERIAL, INCLUDING TOPSOIL, SATISFIES THE DESCRIPTION FOR CLEAN FILL MATERIAL IN EPA BULLETIN PUBLICATION No. 448 (SEPT '95) AND SUBSEQUENT REVISIONS. THE CONTRACTOR SHALL PROVIDE VERIFICATION INCLUDING TEST CERTIFICATES TO THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
23. WHERE WORKS ARE IN THE VICINITY OF EXISTING SERVICES THESE SERVICES ARE TO BE LOCATED AND THE VARIOUS AUTHORITIES NOTIFIED PRIOR TO THE COMMENCEMENT OF WORKS.
24. THE WATER CONDUIT OFFSET FROM THE LOT BOUNDARY IS GIVEN ON THE WATER RETICULATION PLAN. THE CONTRACTOR MUST CONSTRUCT CONDUITS TO ACCORD WITH THE GIVEN OFFSET AND ENSURE THAT THE CONCRETE MARKS THE KERB AND FOOTPATH EXACTLY ABOVE THE CONDUIT.

25. TELSTRA/BNB Co TO BE NOTIFIED 7 DAYS PRIOR TO CONCRETE WORKS BEING PLACED.
26. ALL DRIVEWAYS TO BE OFFSET 0.75m FROM SIDE BOUNDARY OR EASEMENT UNLESS OTHERWISE SHOWN AND TO BE CONSTRUCTED IN ACCORDANCE WITH WYNDHAM CITY COUNCIL STANDRD DRAWINGS.
27. B2 PROFILE KERB AND CHANNEL TO BE CONSTRUCTED IN ALL STREET UNLESS OTHERWISE SHOWN.
28. PSM's TO BE LANDS DEPT. HIGH STABILITY TYPE. REFER TO COUNCIL STANDARD DRAWING SD11-10. AMG CO-ORDINATES AND AHD LEVEL TO BE SUPPLIED TO COUNCIL. (TO BE INSTALLED BY OTHERS)
29. LEVELS SHOWN THUS: 2121 - EXISTING NATURAL SURFACE
TB2121 - F.S. LEVEL AT TOP OF BATTER
FS2121 - F.S. LEVEL AT BUILDING LINE
30. ALL PAVEMENTS TO BE COMPACTED TO 98% AUSTRALIAN DRY DENSITY. PAVEMENT DEPTH MAY NOT BE MODIFIED UNLESS APPROVED BY COUNCIL TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
31. ALL 125mm THICK FOOTPATH CONCRETE PAVING TO BE REINFORCED WITH SL72 MESH AND MUST BE CONSTRUCTED WITH A 50mm UNDERLAYER OF 20mm COMPACTED CLASS 3 FCR IN ACCORDANCE WITH GAA STANDARD DRAWING 006.
32. CONCRETE BIN AREAS TO BE 125mm THICK CONCRETE PAVING TO BE REINFORCED WITH SL72 MESH AND MUST BE CONSTRUCTED WITH A 50mm UNDERLAYER OF 20mm COMPACTED CLASS 3 FCR IN ACCORDANCE WITH WCC STANDARD DRAWING No SD2-1.
33. THE CONTRACTOR MUST COMPLETE A LEVEL CHECK BETWEEN ALL TBM'S TO VERIFY LEVEL VALUES BEFORE COMMENCEMENT OF WORKS. ALL TBM'S AND CONTROL POINTS ARE TO BE MAINTAINED AND PROTECTED AT ALL TIMES DURING CONSTRUCTION. SHOULD ANY MARKS BE DISTURBED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DEVELOPER'S CONSULTANT TO ARRANGE RE-INSTATEMENT AT THE CONTRACTORS EXPENSE.
34. ALL SIGNS AND TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH AS 1742-12.3 -1986. LINE MARKING SHALL BE IN ACCORDANCE WITH VICROADS REQUIREMENT WITH LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGAUR OR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL (VICROADS SPECIFICATION SEE SECTION 710 & 722).
35. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR MUST SUBMIT A SMP TO THE DEVELOPER'S CONSULTANT FOR APPROVAL. THE CONTRACTOR MUST COMPLY WITH THE RECOMMENDATIONS OF THE ENVIRONMENT PROTECTION AUTHORITY PUBLICATION No 275 "CONSTRUCTION TECHNIQUES FOR SEDIMENT POLLUTION CONTROL". APPROPRIATE SILTATION CONTROL IS TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION AND MAINTENANCE PERIOD OF THE WORKS.
36. PRIOR TO START OF WORKS ON SITE, A PRE-COMMENCEMENT MEETING MUST BE HELD BETWEEN DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE, THE DEVELOPER'S CONSULTANT AND THE CONTRACTOR.
37. PRIOR TO COMMENCING WORKS ON SITE, THE CONTRACTOR MUST OBTAIN ROAD OPENING/WORKS PERMITS FROM COUNCIL FOR ANY WORKS WITHIN EXISTING ROAD RESERVES OR WORKS ON ANY EXISTING INFRASTRUCTURE.
38. STREET NAMES TO BE INSTALLED ON PUBLIC LIGHTING POLES AT INTERSECTIONS WHERE POSSIBLE. ALL SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL STANDARD DRAWING SD11-1.
39. LOCATION OF ALL UNDERGROUND SERVICE CONDUITS TO BE MARKED ON BOTH SIDES OF THE KERB AND CHANNEL WITH W FOR WATER, RW FOR RECYCLED WATER, G FOR GAS, T FOR TELECOMMUNICATIONS & E FOR ELECTRICITY (REFER TO STANDARD DRAWING SD11-8).
40. THE CONTRACTOR IS TO INSTALL BLUE RRPMS ON THE ROAD CENTRLINE AND MARKER POSTS TO INDICATE THE LOCATION OF FIRE PLUGS OR HYDRANTS IN ACCORDANCE WITH WYNDHAM CITY COUNCIL'S STANDARD DRAWING SD11-11.
41. GAS AND WATER CONDUITS TO BE 50mm DIAMETER (UNLESS OTHERWISE SHOWN).
42. ALL SERVICE TRENCHES UNDER CONCRETE FOOTPATHS AND VEHICLE CROSSINGS TO BE BACKFILLED WITH CLASS 3 CRUSHED ROCK MATERIAL.
43. CONTRACTOR TO INSTALL IRRIGATION CONDUITS REFER TO IRRIGATION INFRASTRUCTURE PLAN FOR LOCATIONS AND SIZES.
44. EXISTING DAM OR WATERCOURSES TO BE EXCAVATED TO A FIRM BASE AND BACKFILLED TO LEVEL 1 AS SPECIFIED. DEVELOPER'S CONSULTANT TO BE NOTIFIED WHEN THE DAM OR WATERCOURSES ARE EXCAVATED TO A FIRM BASE. NO FILLING IS TO BE PLACED PRIOR TO DAMS BEING INSPECTED AND LEVELS TAKEN. BACKFILLING IS TO BE CARRIED OUT TO THE SATISFACTION OF THE DIRECTOR ENGINEERING SERVICES OR HIS REPRESENTATIVE.
45. COORDINATES SHOWN ON THE DRAWINGS REFER TO SUBDIVISION COORDINATES.
46. ALL PRAM CROSSINGS ARE TO BE FLUSHED TO THE ROAD PAVEMENT SURFACE TO ALLOW A SMOOTH TRANSITION BETWEEN CROSSING AND THE ROAD PAVEMENT FOR DISABLED USERS.
47. TOP CLAYEY SILT IS NOT SUITABLE FOR SUB GRADE AND SHOULD BE STRIPPED FROM SITE.
48. MULHOLLAND DRIVE PAVEMENT TO CONSIST OF:

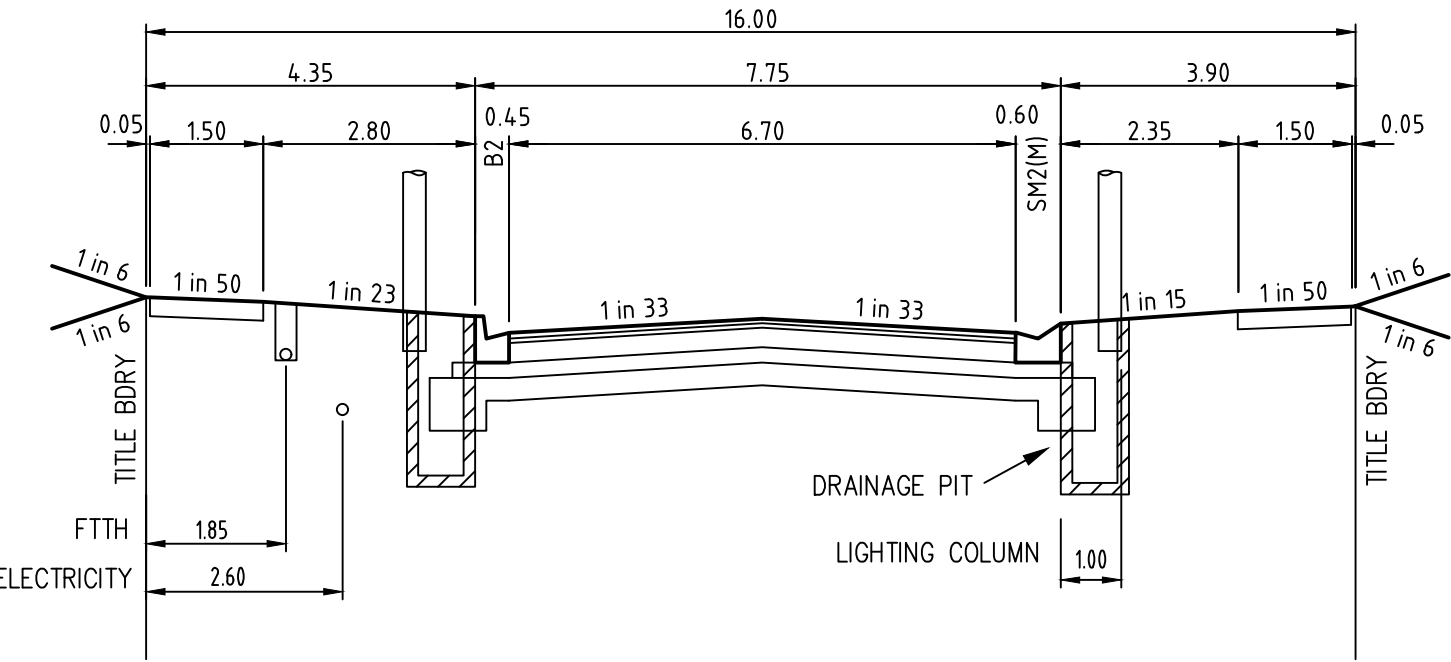
a) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE 'N' ASPHALT WITH C170 BINDER. (ASPHALT TO BE 5mm PROUD OF LIP OF KERB)
b) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE 'N' ASPHALT WITH C170 BINDER.
c) 10mm SAMI SEAL .
d) 125mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 F.C.R. COMPACTED TO AT LEAST 100% MODIFIED DRY DENSITY RATIO WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT AND TO ACHIEVE A MINIMUM YOUNG'S MODULUS OF 500 MPa.
e) 100mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 3 CEMENT TREATED CRUSHED ROCK COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT WITH A MINIMUM YOUNG'S MODULUS OF 500 MPa.
f) 255mm COMPACTED RIPPED ROCK WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT WITH A PERCENTAGE SWELL OF ≤ 15% AND PERMEABILITY OF ≤ 1x10⁻⁹ m/sec.
49. TOTAL PAVEMENT DEPTH 550mm
50. HUMMINGBIRD BOULEVARD PAVEMENT TO CONSIST OF:

a) 40mm COMPACTED DEPTH 14mm NOMINAL SIZE TYPE 'H' ASPHALT WITH C320 BINDER. (ASPHALT TO BE 5mm PROUD OF LIP OF KERB)
b) 80mm COMPACTED DEPTH 20mm NOMINAL SIZE TYPE 'SI' ASPHALT WITH C320 BINDER.
c) 75mm COMPACTED DEPTH 20mm NOMINAL SIZE TYPE 'SF' ASPHALT WITH C320 BINDER.
d) 100mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 3 CEMENT TREATED C.R. COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITHIN 2% OF THE MODIFIED OPTIMUM MOISTURE CONTENT AND TO ACHIEVE A MINIMUM YOUNG'S MODULUS OF 500 MPa.
e) 100mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 4 CRUSHED ROCK COMPACTED TO AT LEAST 95% MODIFIED DRY DENSITY RATIO WITHIN 1% OF THE OPTIMUM MOISTURE CONTENT.
f) 250mm COMPACTED RIPPED ROCK WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT WITH A PERCENTAGE SWELL OF ≤ 15% AND PERMEABILITY OF ≤ 1x10⁻⁹ m/sec.
51. TOTAL PAVEMENT DEPTH 655mm
52. CRIMP DRIVE PAVEMENT TO CONSIST OF:

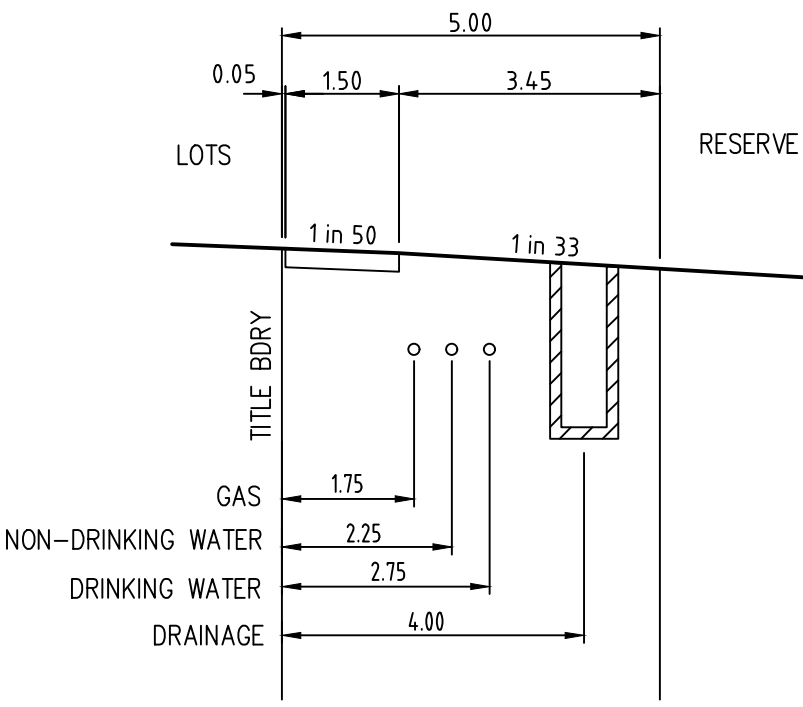
a) 20mm COMPACTED DEPTH 7mm NOMINAL SIZE TYPE 'L' ASPHALT WITH C170 BINDER. (ASPHALT TO BE 5mm PROUD OF LIP OF KERB)
b) 30mm COMPACTED DEPTH 10mm NOMINAL SIZE TYPE 'N' ASPHALT WITH C170 BINDER.
c) 10mm SAMI SEAL .
d) 135mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 2 F.C.R. COMPACTED TO AT LEAST 100% MODIFIED DRY DENSITY RATIO WITHIN 1% OF THE MODIFIED OPTIMUM MOISTURE CONTENT AND TO ACHIEVE A MINIMUM YOUNG'S MODULUS OF 500 MPa.
e) 100mm COMPACTED DEPTH 20mm NOMINAL SIZE CLASS 3 CEMENT TREATED CRUSHED ROCK COMPACTED TO AT LEAST 98% MODIFIED DRY DENSITY RATIO WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT WITH A MINIMUM YOUNG'S MODULUS OF 500 MPa.
f) 200mm COMPACTED RIPPED ROCK WITH A MINIMUM SOAKED CBR OF 10% COMPACTED TO AT LEAST 98% STANDARD DRY DENSITY RATIO WITHIN 1% OF THE STANDARD OPTIMUM MOISTURE CONTENT WITH A PERCENTAGE SWELL OF ≤ 15% AND PERMEABILITY OF ≤ 1x10⁻⁹ m/sec.
53. TOTAL PAVEMENT DEPTH 495mm



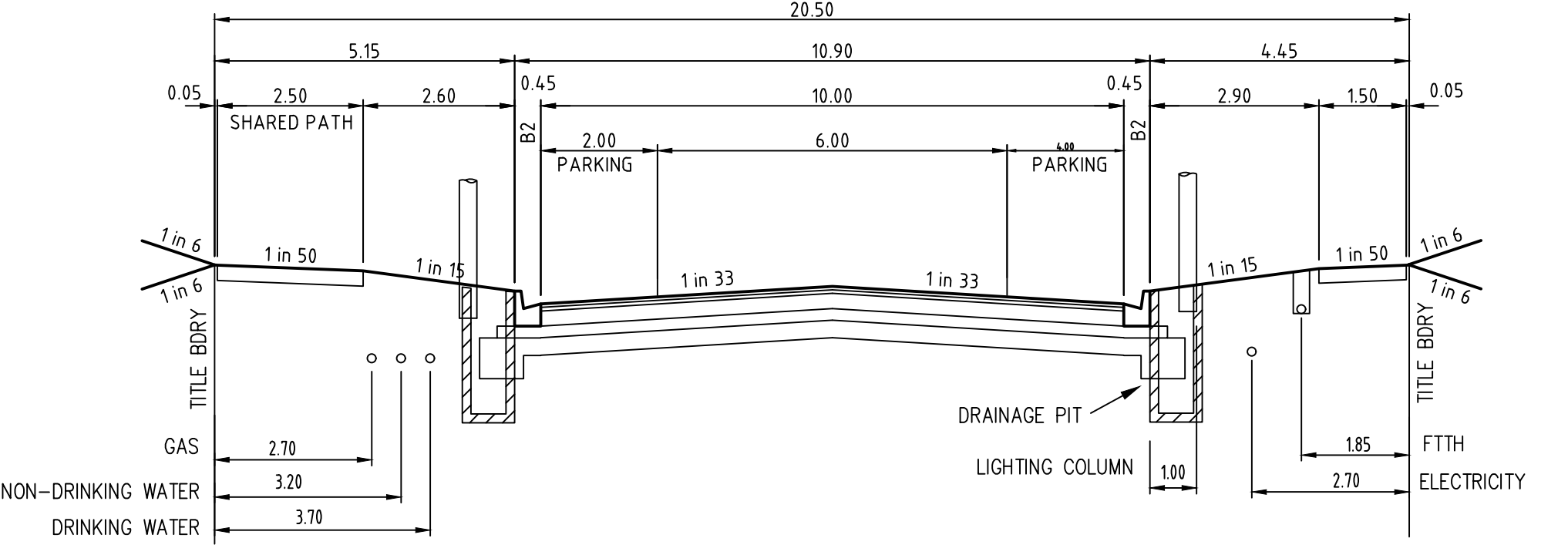
16m ROAD - CRIMP CIRCUIT (NORTH/SOUTH)



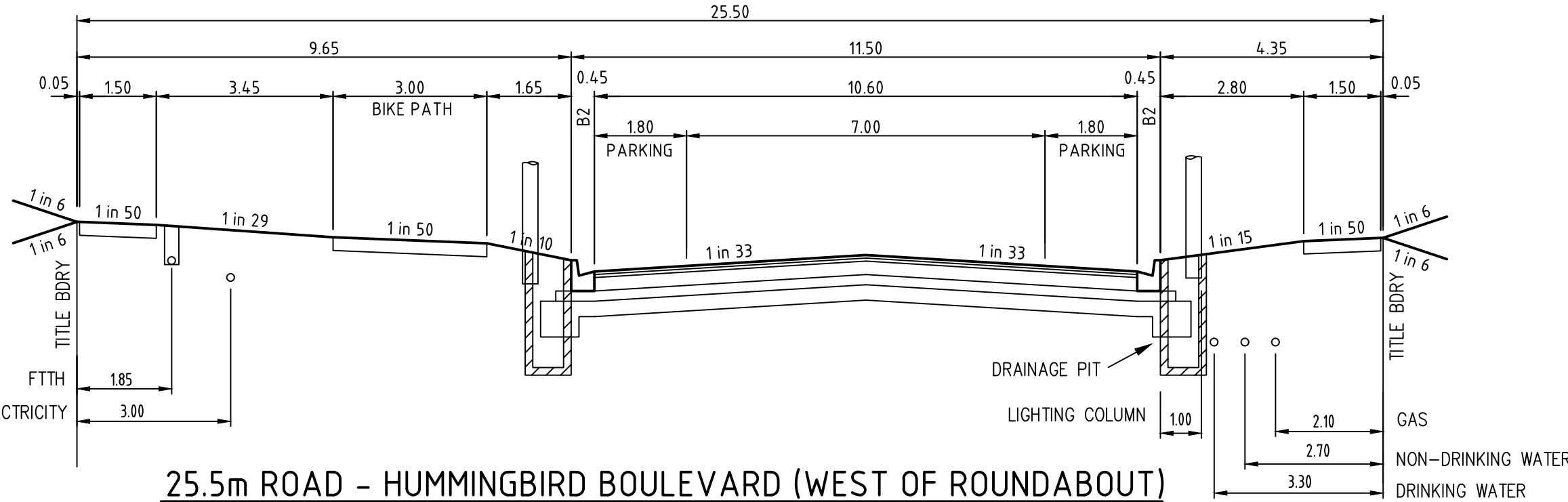
16m ROAD - CRIMP DRIVE (EAST/WEST))



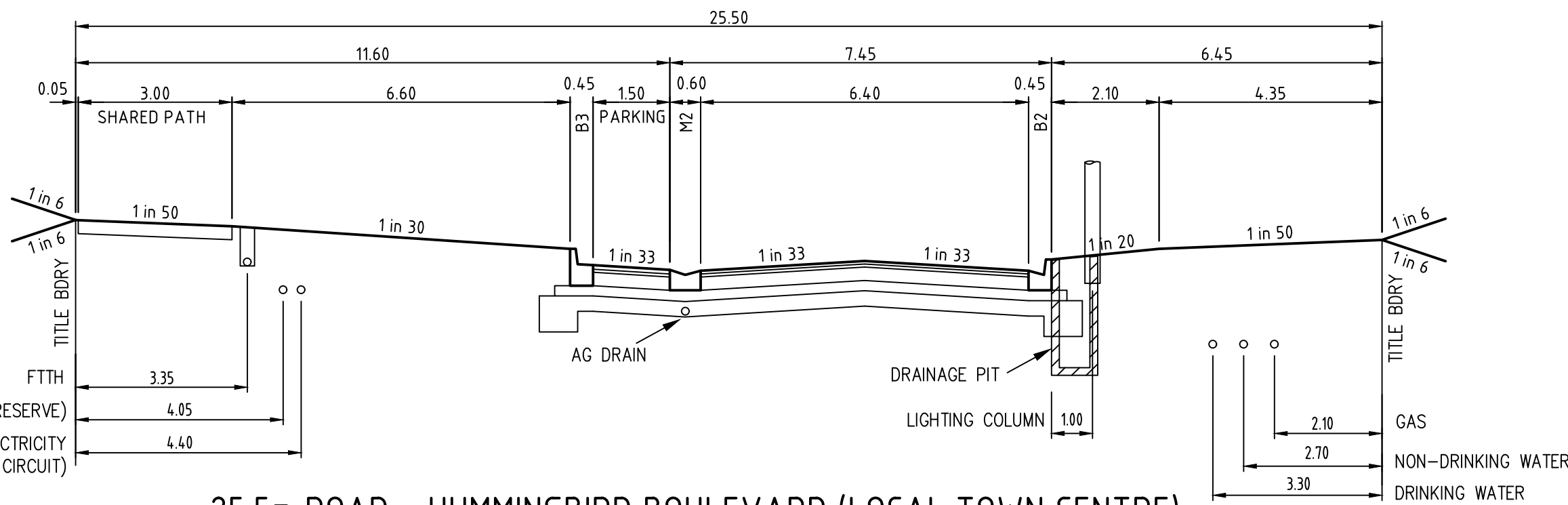
5m ROAD - WALK (ADJACENT RESERVE)



20.5m ROAD - MULHOLLAND DRIVE



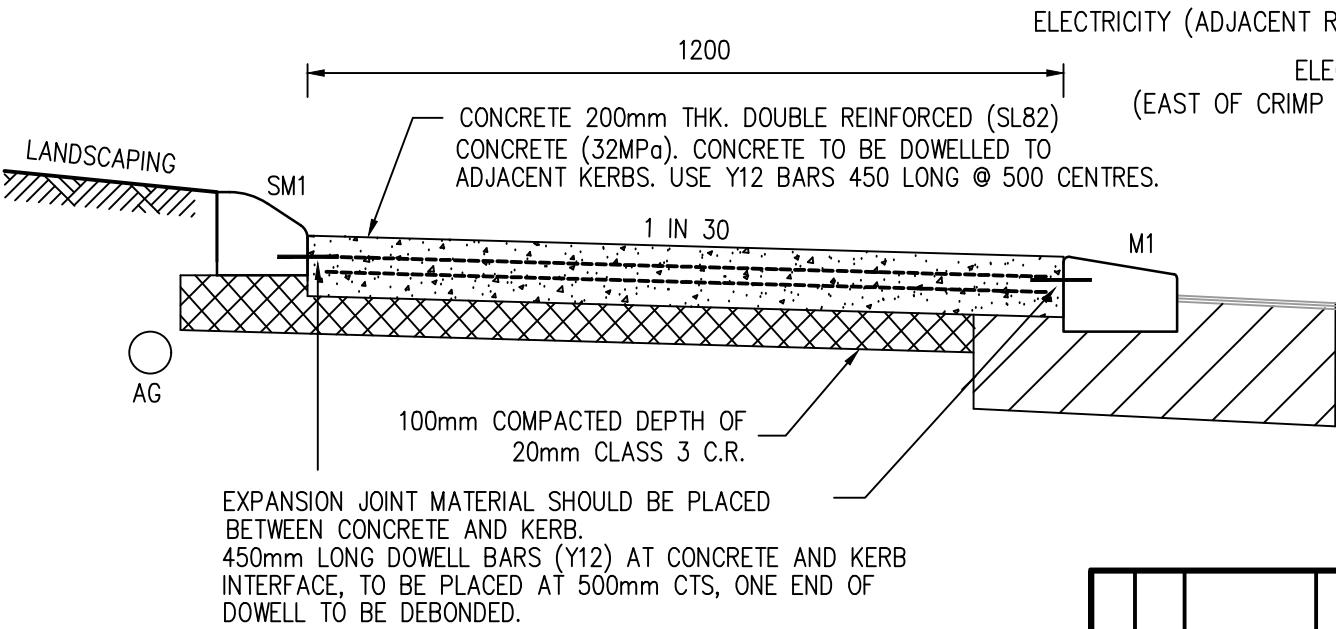
25.5m ROAD - HUMMINGBIRD BOULEVARD (WEST OF ROUNDABOUT)



25.5m ROAD - HUMMINGBIRD BOULEVARD (LOCAL TOWN CENTRE)

TYPICAL CROSS SECTIONS
NOT TO SCALE

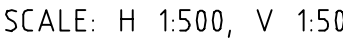
AS CONSTRUCTED



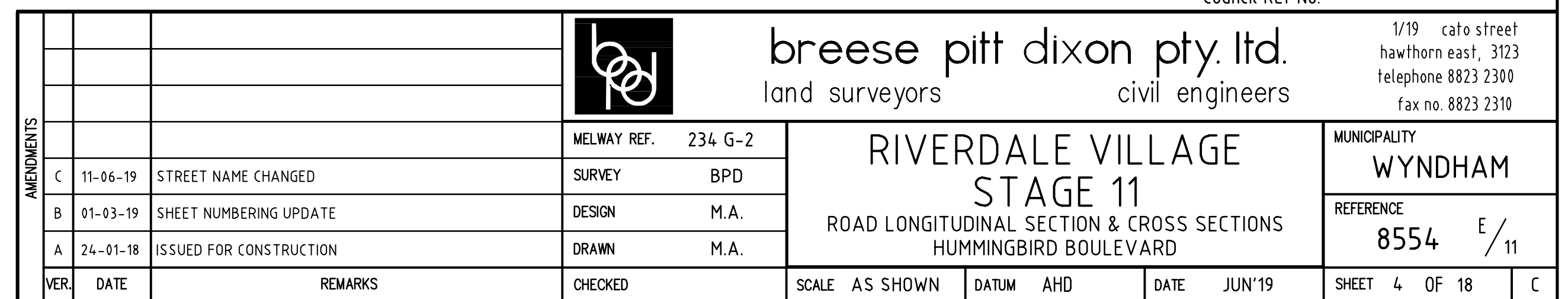
SECTION THROUGH ROUNDABOUT

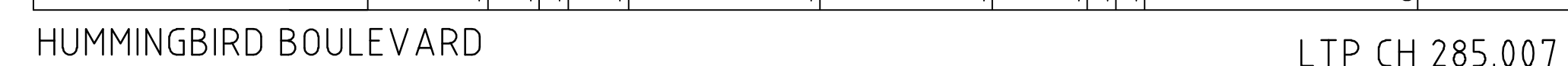
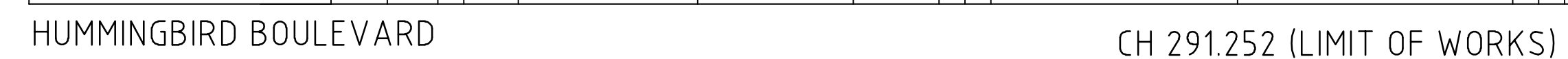
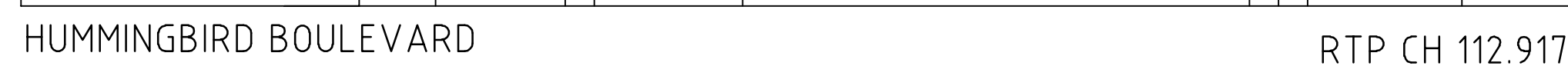
NOT TO SCALE

				Council Ref No. -	
AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers
	E	11-06-19	SHEET NUMBERING UPDATE & STREET NAME CHANGED		
	D	01-03-19	SHEET NUMBERING UPDATE		
	C	09-01-19	CRIMP CIRCUIT (EAST/WEST) KERB AMENDED		
	B	23-02-18	SERVICE OFFSETS AMENDED ON CROSS SECTIONS		
	A	24-01-18	ISSUED FOR CONSTRUCTION		
VER.	DATE	REMARKS		CHECKED	SCALE AS SHOWN
				DATUM AHD	DATE JUN'19
				SHEET 3 OF 18	E

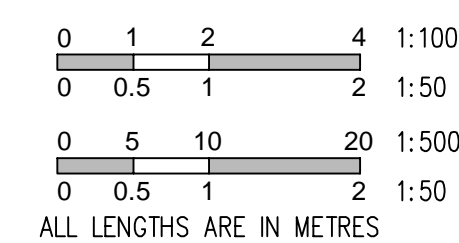


SCALE: H 1:100, V 1:50




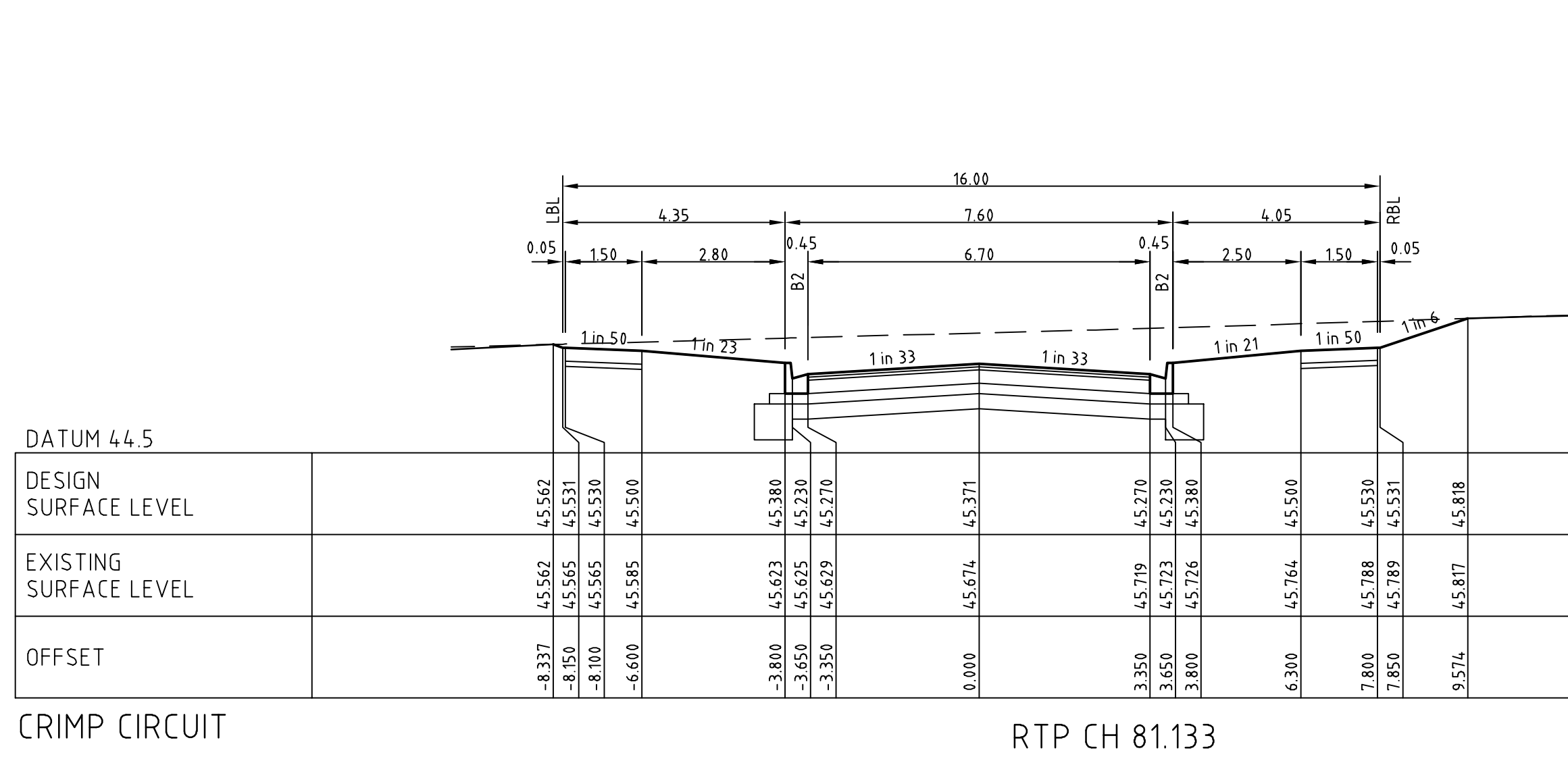
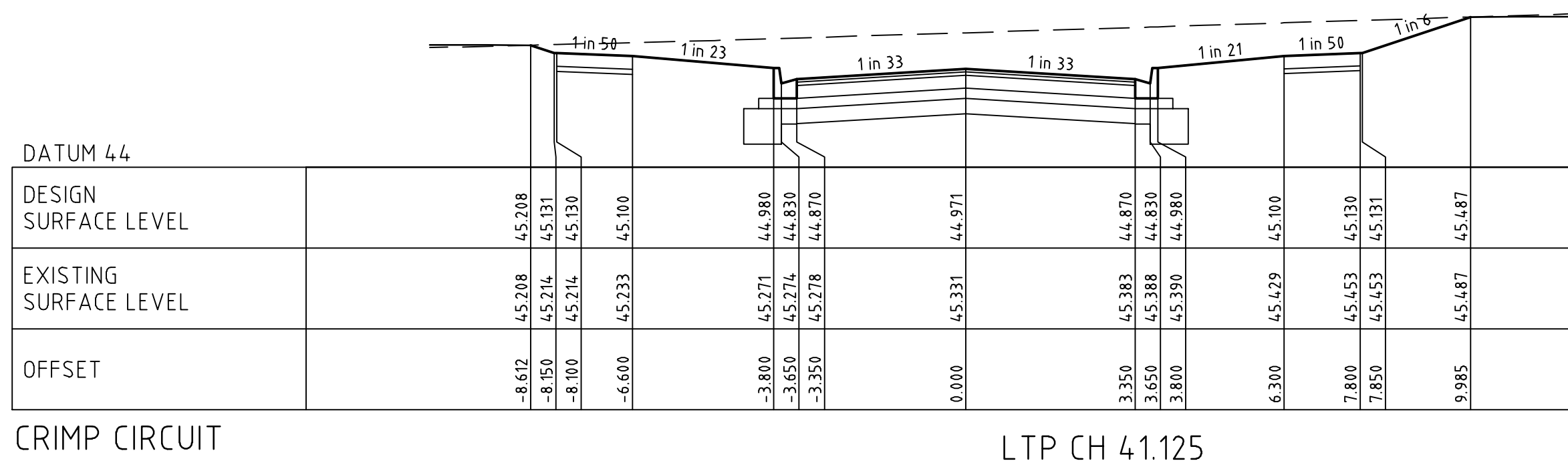
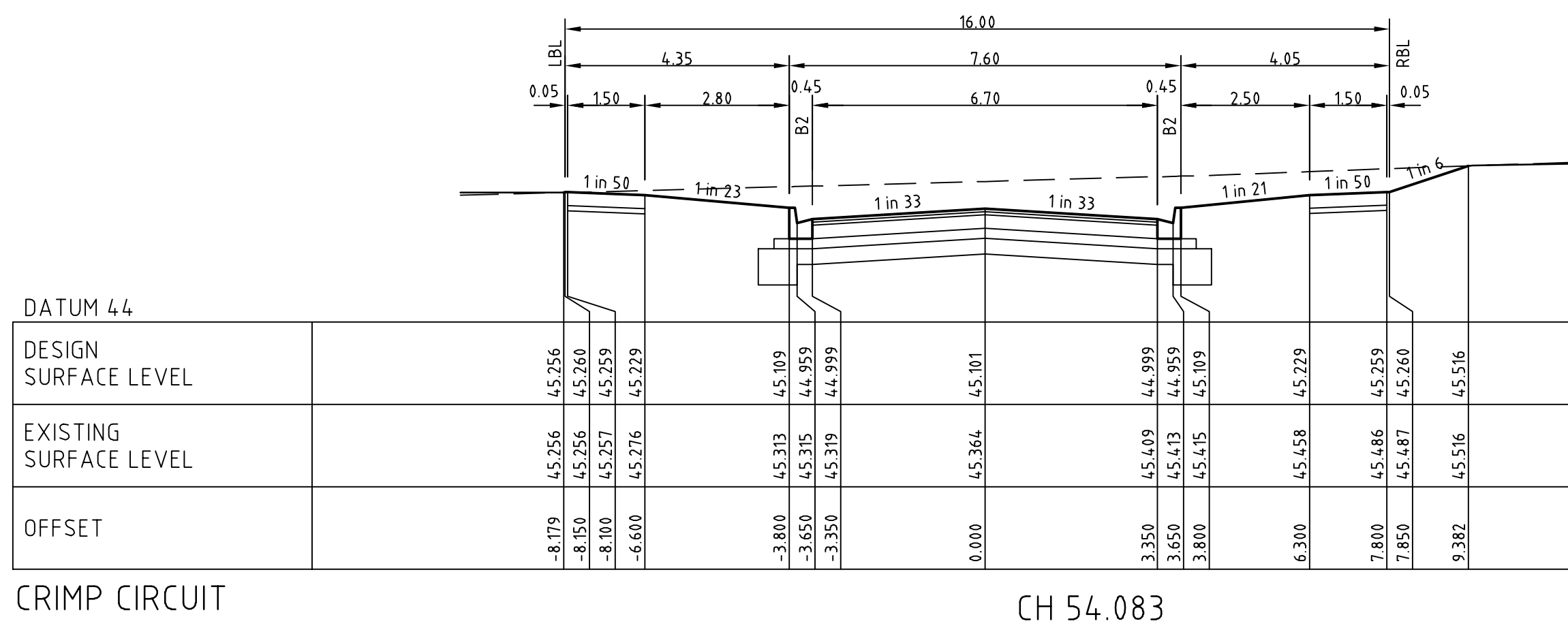
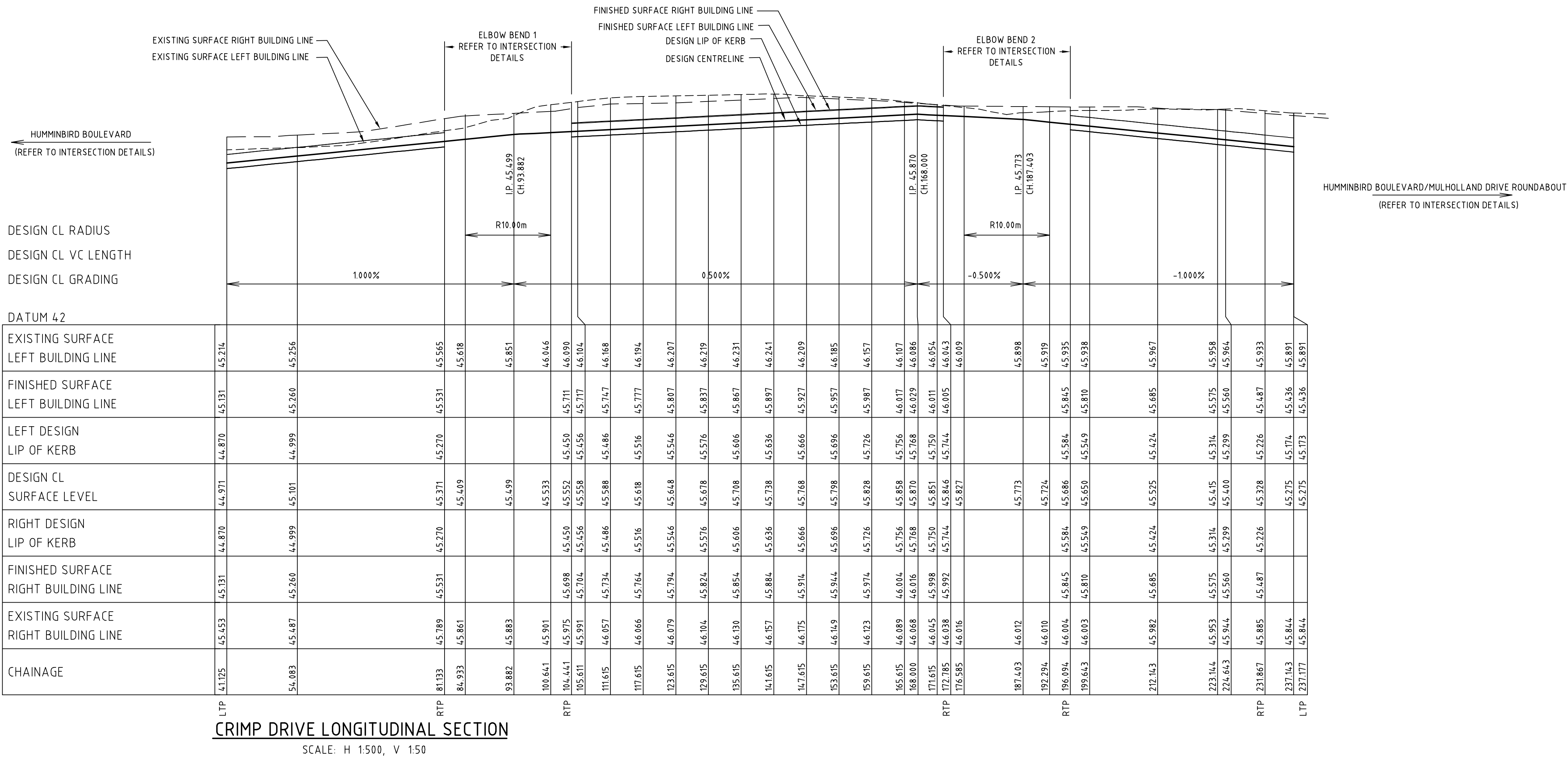


SCALE: H 1:100, V 1:50



Council Ref No.-

AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310						
				MELWAY REF.	234 G-2		RIVERDALE VILLAGE STAGE 11 ROAD CROSS SECTIONS HUMMINGBIRD BOULEVARD				MUNICIPALITY		WYNDHAM		
			SURVEY	BPD		REFERENCE 8554 E/11									
B	01-03-19	SHEET NUMBERING UPDATE													
A	24-01-18	ISSUED FOR CONSTRUCTION													
				DRAWN	M.A.										
VER.	DATE	REMARKS		CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	SEP '17	SHEET	5	OF	18	C

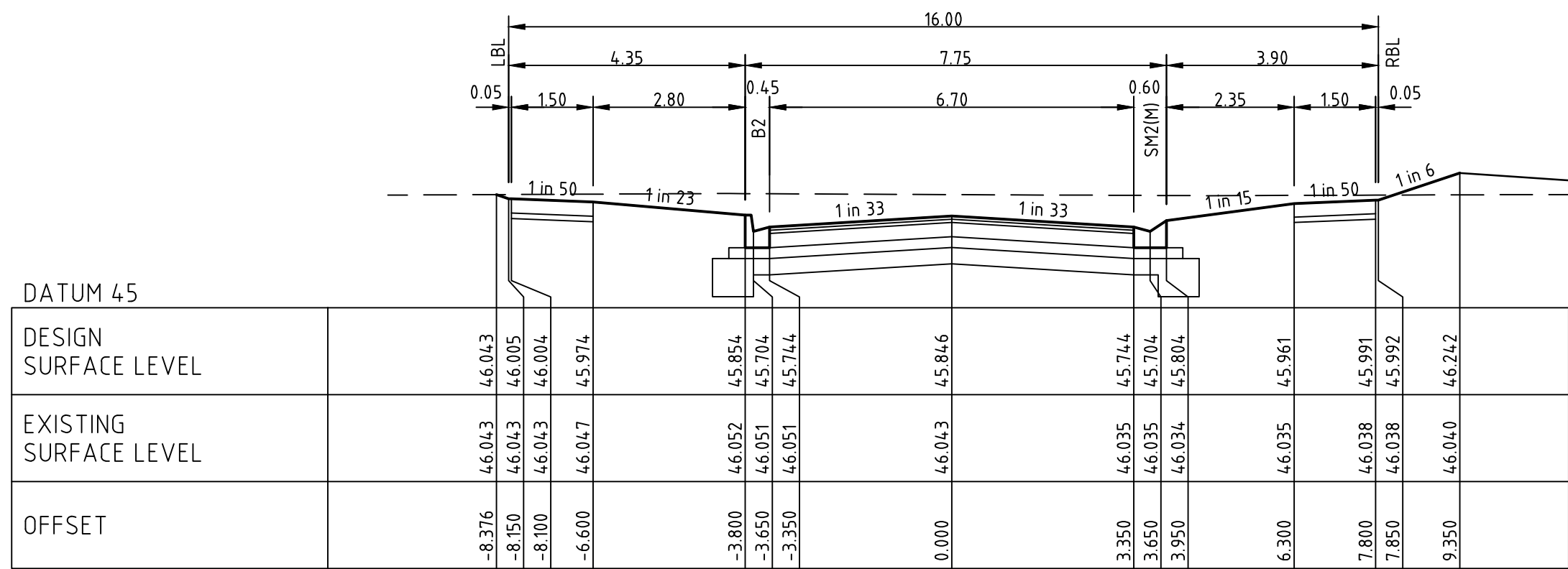


CRIMP DRIVE CROSS SECTIONS

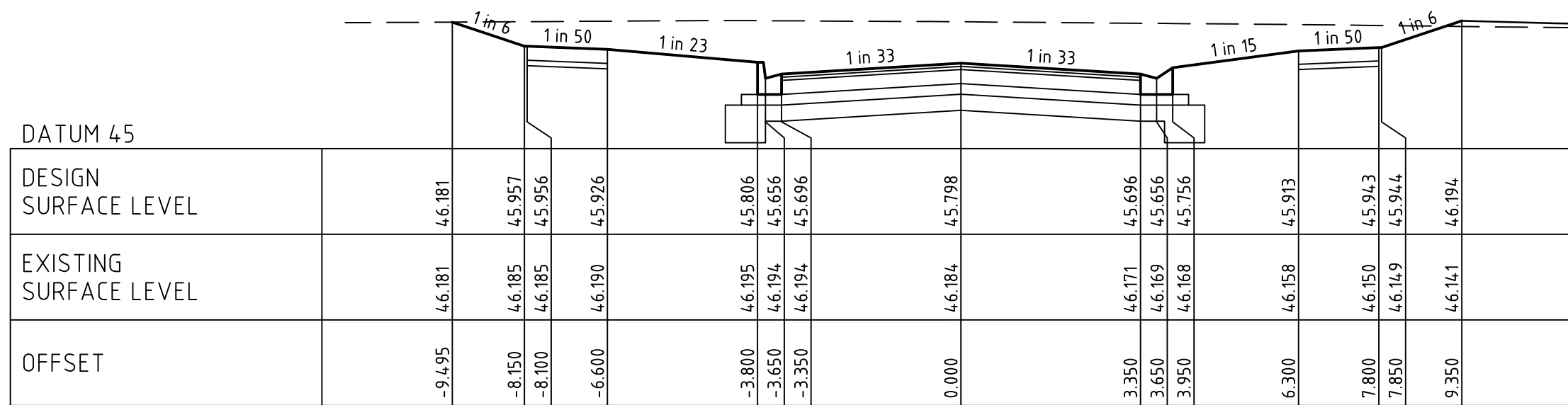
SCALE: H 1:100, V 1:50

AS CONSTRUCTED

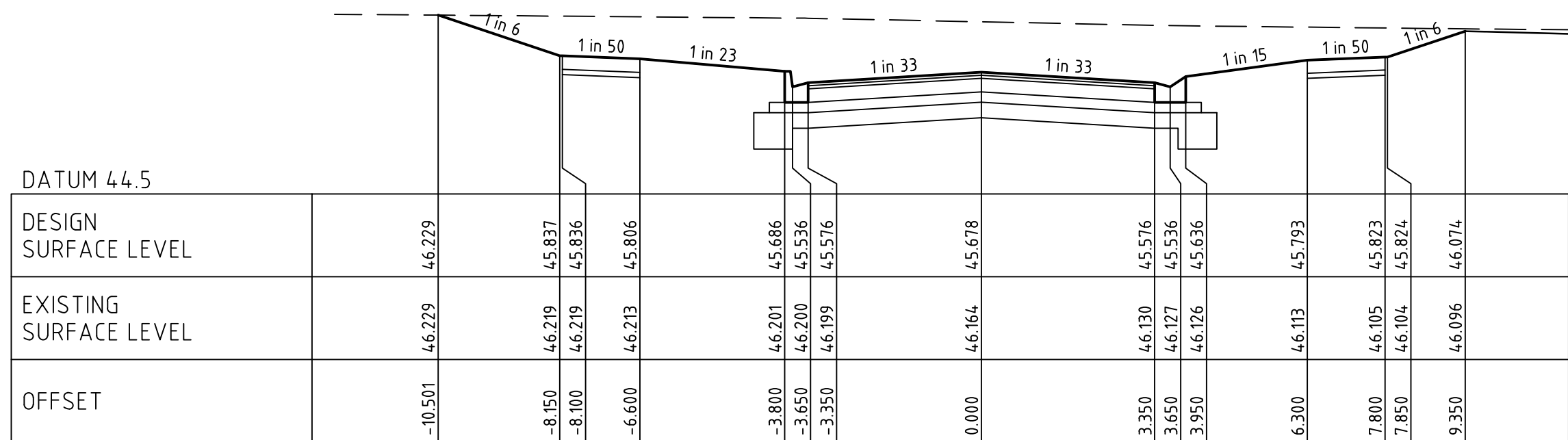
			Council Ref No. -						
			breese pitt dixon pty. ltd. land surveyors civil engineers						
			1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310						
AMENDMENTS	D	11-06-19	STREET NAME CHANGED	MELWAY REF. 234 G-2	RIVERDALE VILLAGE STAGE 11 ROAD LONGITUDINAL SECTION & CROSS SECTIONS CRIMP DRIVE		MUNICIPALITY WYNDHAM		
	C	01-03-19	SHEET NUMBERING UPDATE	SURVEY BPD			REFERENCE 8554 E/11		
	B	19-03-18	LONG SECTION AMENDED	DESIGN M.A.					
	A	24-01-18	ISSUED FOR CONSTRUCTION	DRAWN M.A.					
	VER.	DATE	REMARKS		CHECKED	SCALE AS SHOWN	DATUM AHD	DATE JUN'19	SHEET 6 OF 18



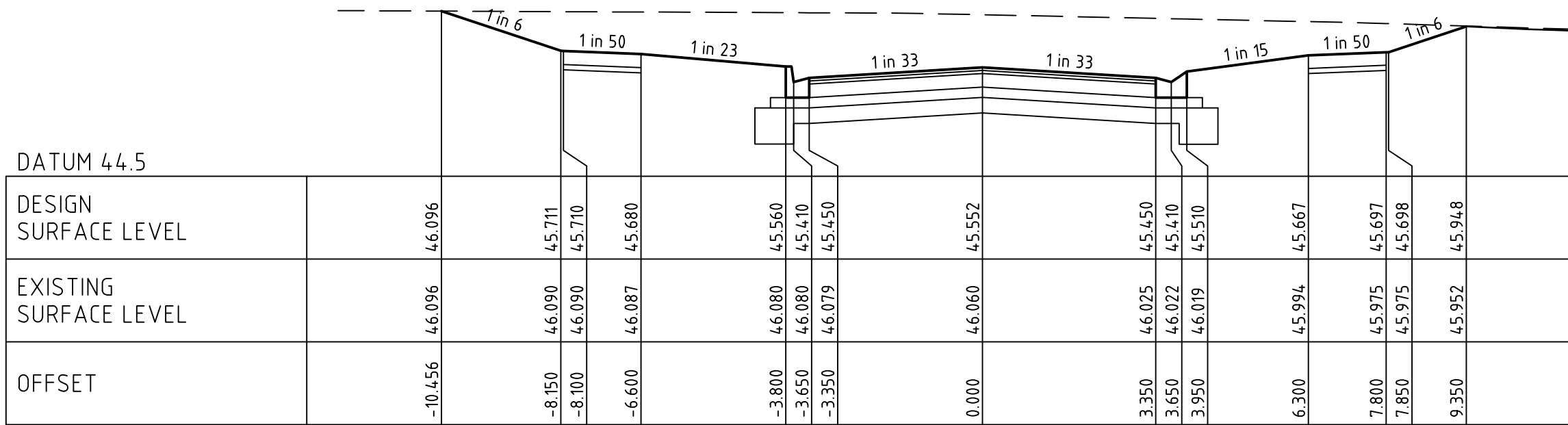
CRIMP CIRCUIT
RTP CH 172.785



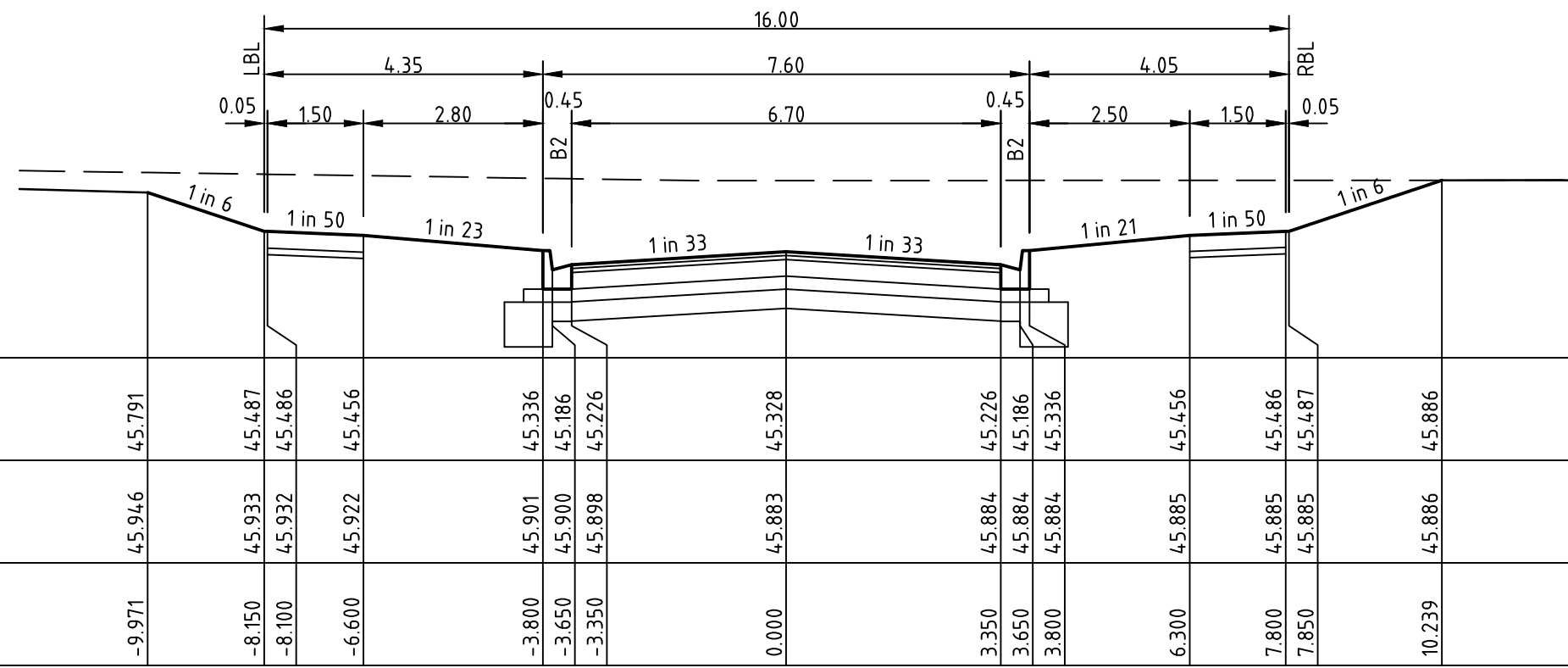
CRIMP CIRCUIT
CH 153.615



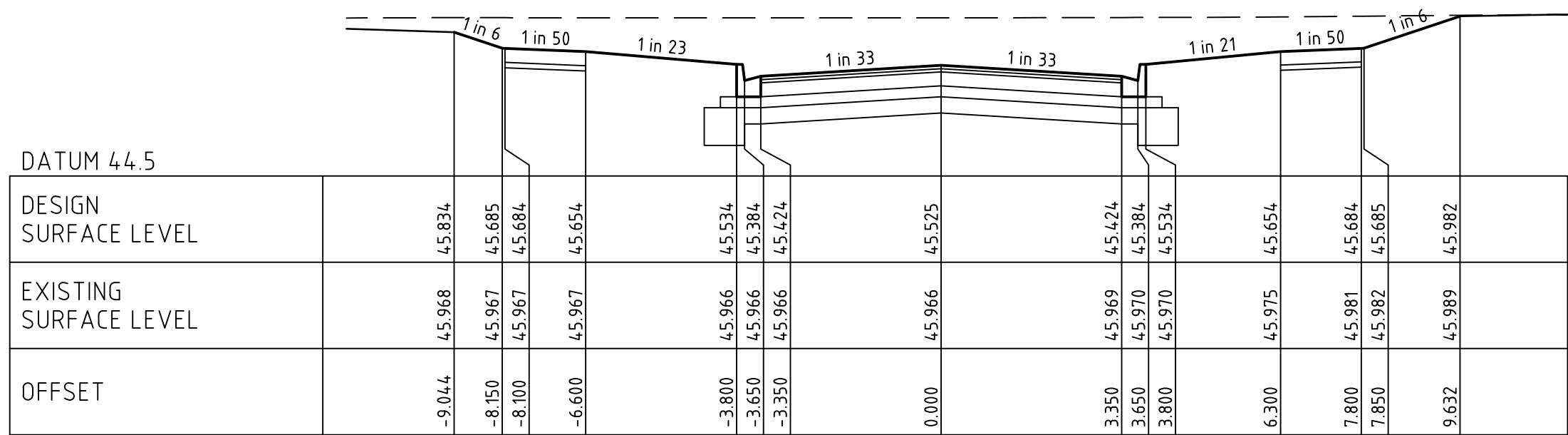
CRIMP CIRCUIT
CH 129.615



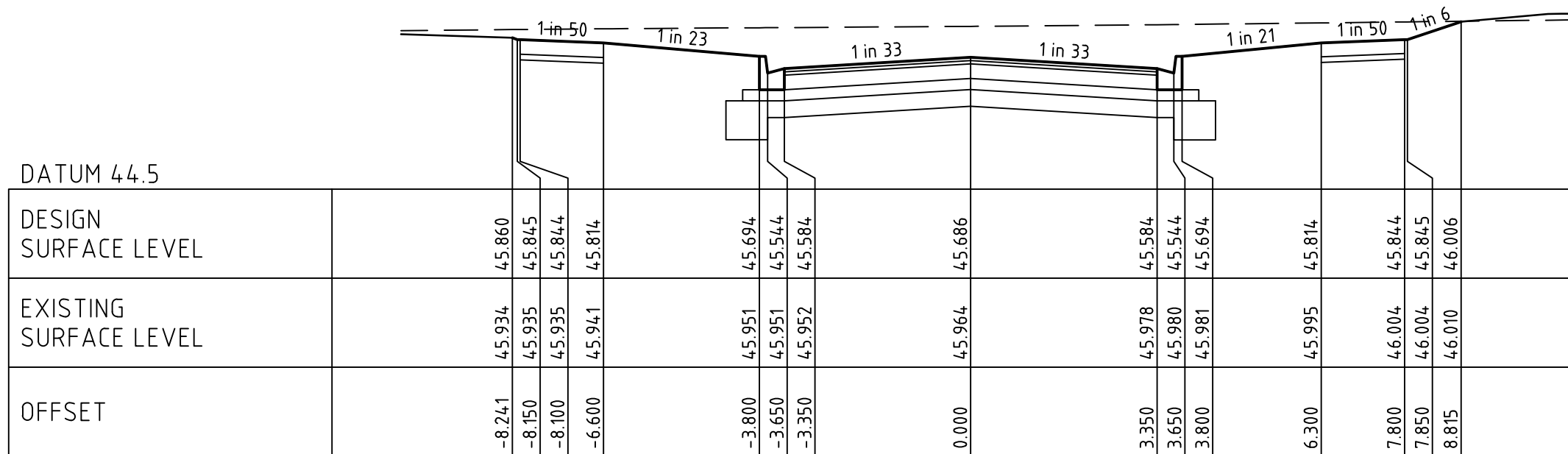
CRIMP CIRCUIT
RTP CH 104.441



CRIMP CIRCUIT
RTP CH 231.867



CRIMP CIRCUIT
CH 212.143

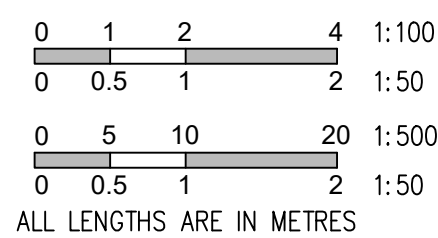


CRIMP CIRCUIT
RTP CH 196.094

CRIMP DRIVE CROSS SECTIONS

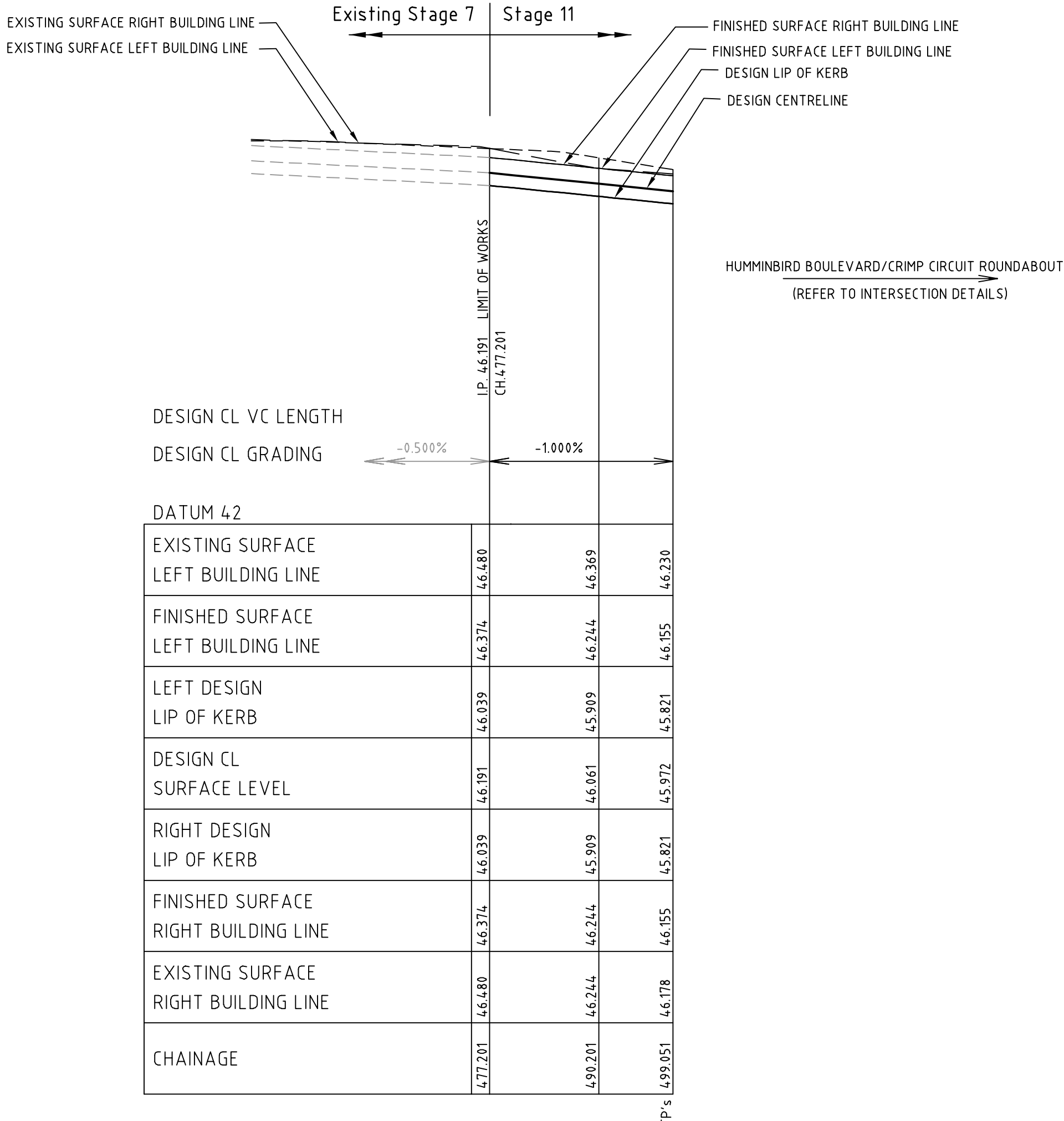
SCALE: H 1:100, V 1:50

CRUSHED ROCK BACKFILL



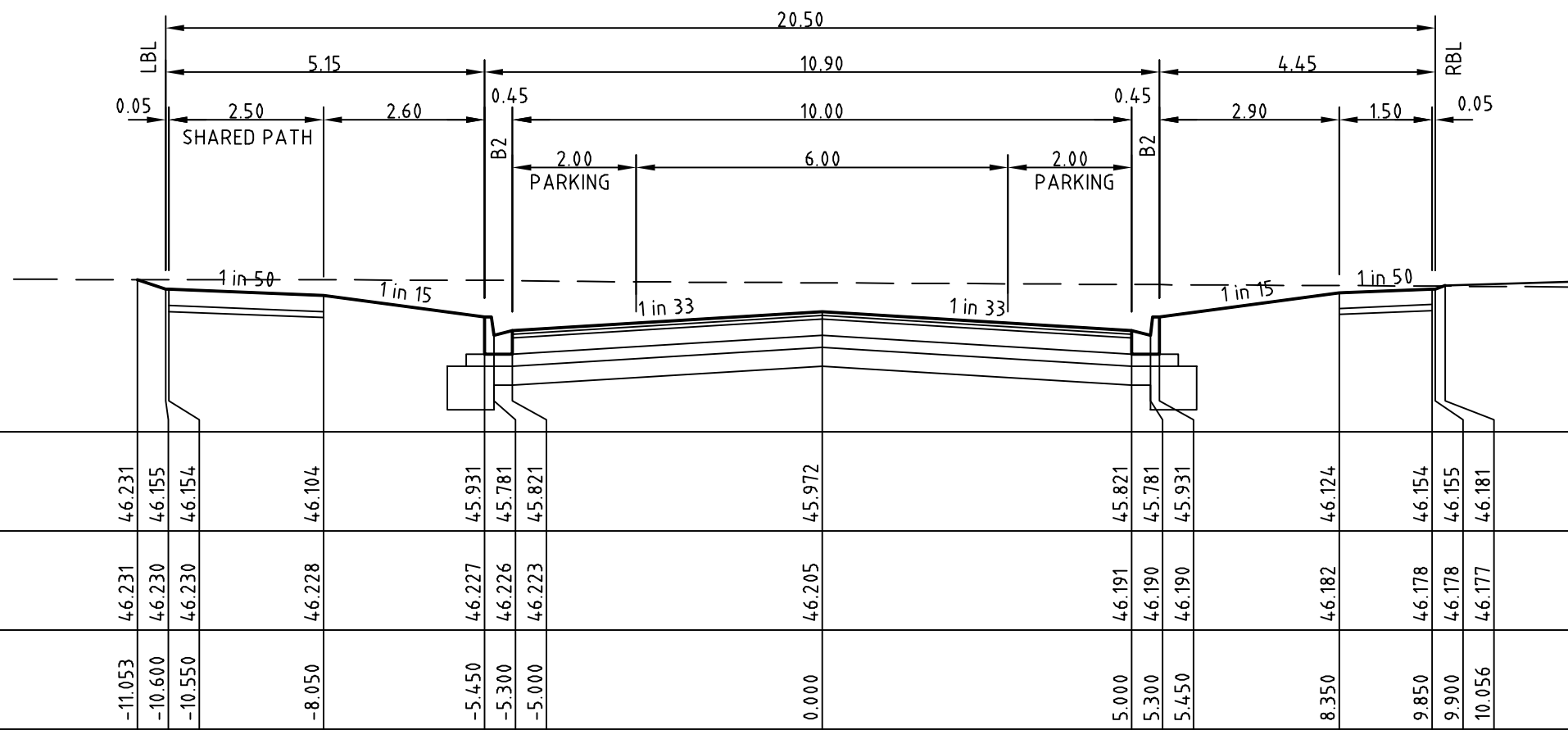
AS CONSTRUCTED

			Council Ref No. -	
			1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
AMENDMENTS	E	11-06-19	STREET NAME CHANGED	MELWAY REF. 234 G-2 SURVEY BPD DESIGN M.A. DRAWN M.A. CHECKED
	D	01-03-19	SHEET NUMBERING UPDATE	
	C	09-01-19	KERB AMENDED	
	B	19-03-18	CROSS SECTIONS AMENDED	
			ISSUED FOR CONSTRUCTION	SCALE AS SHOWN DATUM AHD DATE JUN'19
			VER DATE	
			REMARKS	SHEET 7 OF 18 E
				MUNICIPALITY WYNDHAM REFERENCE 8554 E/11
				RIVERDALE VILLAGE STAGE 11 ROAD CROSS SECTIONS CRIMP DRIVE



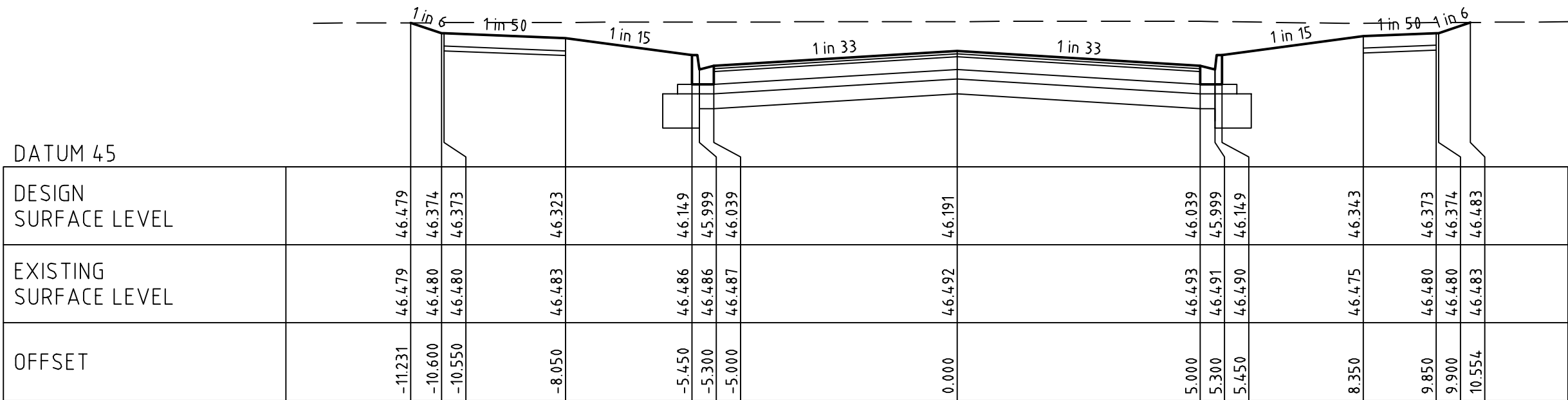
MULHOLLAND DRIVE LONGITUDINAL SECTION

SCALE: H 1:500, V 1:50



MULHOLLAND DRIVE

TP's CH 499.051



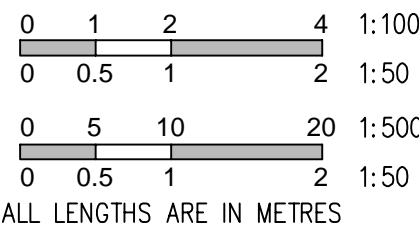
MULHOLLAND DRIVE

CH 477.201 (LIMIT OF WORKS)

MULHOLLAND DRIVE CROSS SECTIONS

SCALE: H 1:100, V 1:50


CRUSHED ROCK BACKFILL

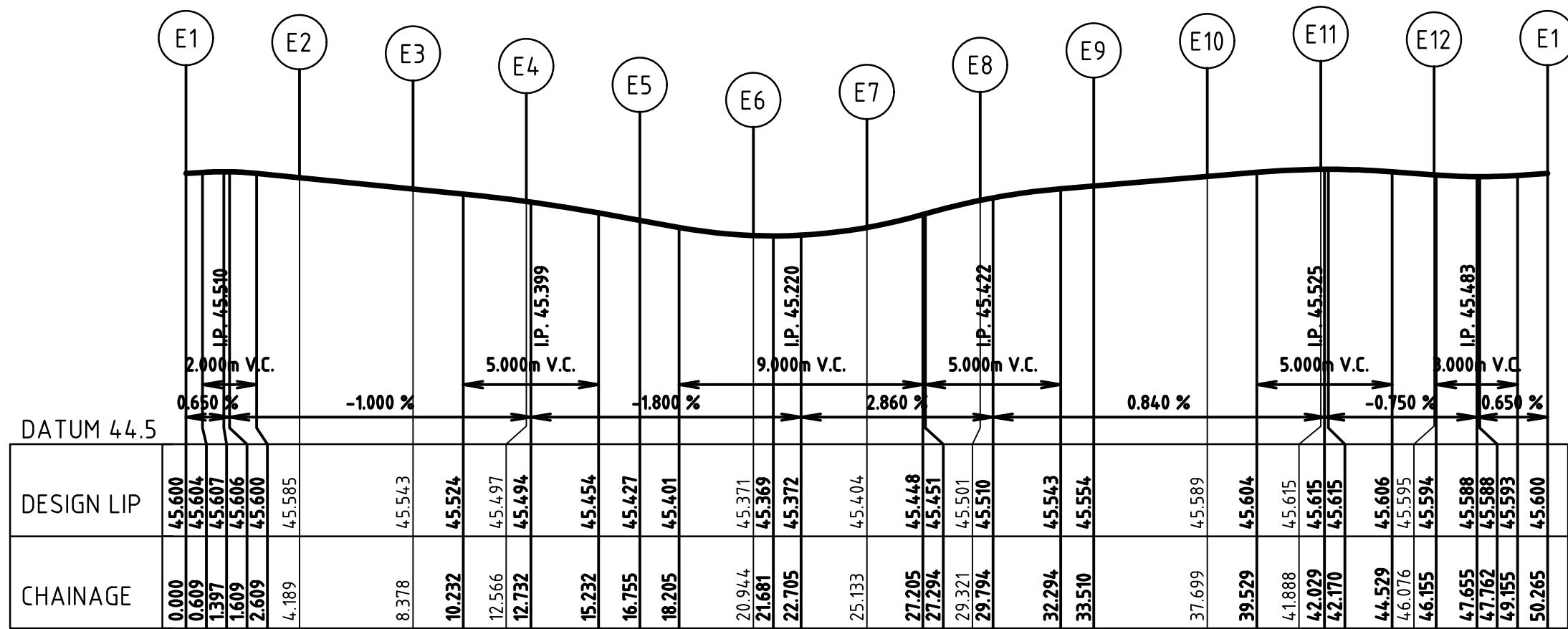
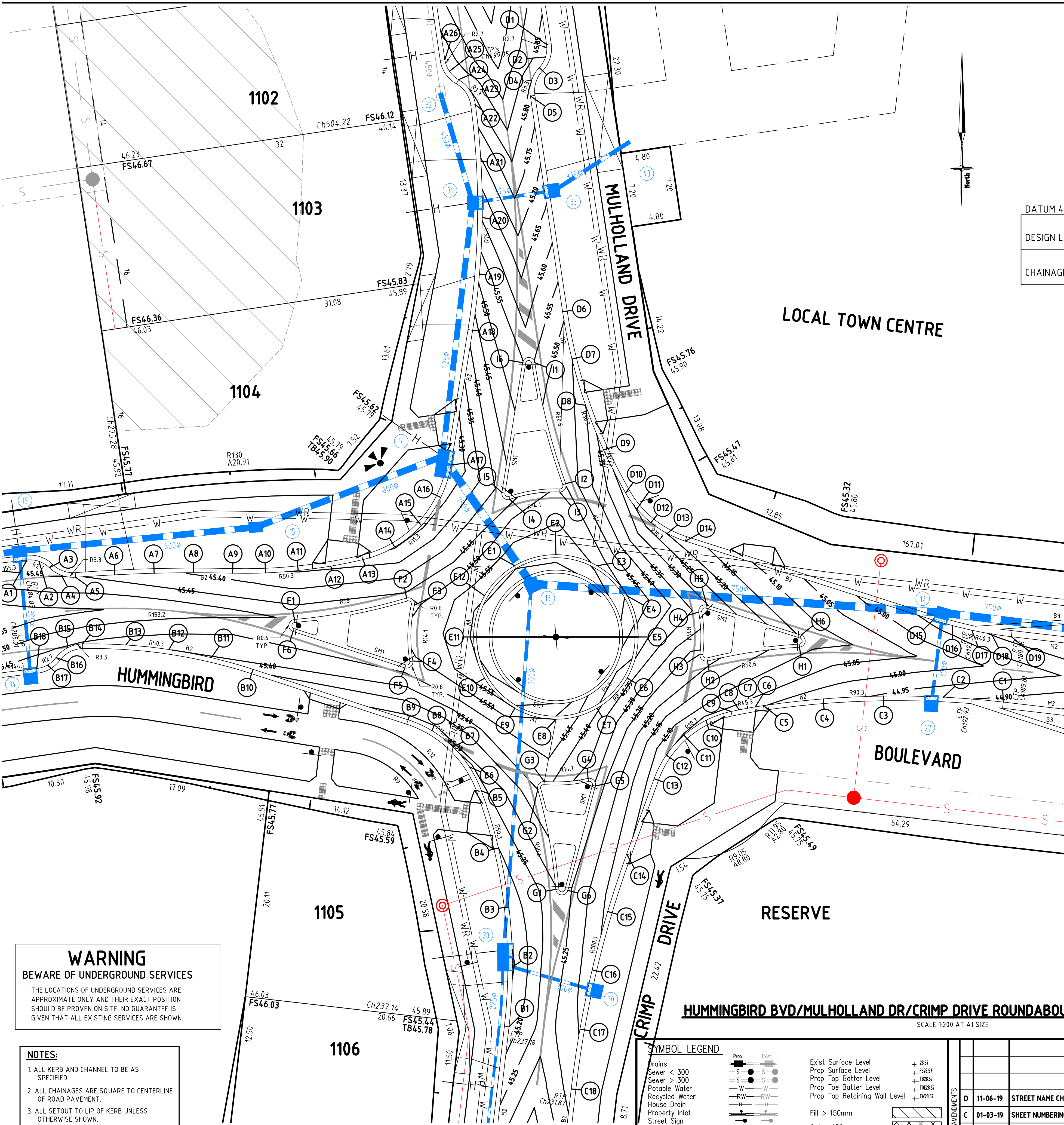


DRAINAGE PIT SCHEDULE

PIT		INTERNAL		INLET		OUTLET		PIT		REMARKS
PIT No	TYPE	WD	LEN	DIA	INV LEV	DIA	INV LEV	FINISHED COVER RL	DEPTH	
1	Rock End Wall			1500	42.027	1500	42.027	43.527	1.500	Refer to Rock End Wall Detail on Sheet 2
2	Weir Pit			(2x)825	42.035	1500	42.035	44.100	2.065	Refer to Pit Detail on Sheet 15
				(2x)825	42.035		41.990			
3	Junction Pit	900	2350	1200	42.276	(2x)825	42.256	44.464	2.208	EDCM 607, Provide 300 dia. Stub in West Wall IL42.850
4	Junction Pit	900	2350	(2x)825	42.400	1200	42.380	44.566	2.186	EDCM 607, Provide 450 dia. Stub in West Wall IL42.700
4A	Junction Pit	900	2350	1200	42.569	(2x)825	42.549	44.727	2.179	EDCM 607
5	Junction Pit	900	1500	1050	42.807	1200	42.787	45.043	2.256	EDCM 607
				450	43.141					
6	Existing Junction Pit			Ex1050	43.120	1050	43.100	45.227	2.127	Connect to existing Pit
7	PTP			(2x)825	42.068	(2x)825	42.068	44.022	1.954	Refer MWDrg No. 7251/8/307
				300	42.330					
8	Junction Pit			825	42.202	(2x)825	42.152	43.836	1.684	Refer to Pit Detail on Sheet 15
				900	42.202					
9	Junction Pit	900	1050	825	42.258	825	42.238	44.640	2.402	EDCM 607, To be converted in future to Grated Pit with Class D Heavy Duty Grate, Provide 375 dia. stub in West Wall IL42.690
10	Grated Side Entry Pit	1200	900	900	42.459	900	42.409	44.337	1.927	EDCM 601 (B2 Kerb)
				375	42.609					
11	Grated Side Entry Pit	1200	900	750	42.750	900	42.600	44.612	2.012	EDCM 601 (B2 Kerb)
				375	42.860					
				450	43.090					
12	Grated Side Entry Pit	1050	900	750	43.167	750	43.117	45.056	1.940	EDCM 601 (B2 Kerb)
				300	43.589					
13	Junction Pit	1050	1050	750	43.417	750	43.367	45.707	2.340	EDCM 607
				300	43.639					
14	Double Grated Side Entry Pit	900	1800	600	43.636	750	43.486	45.392	1.905	EDCM 602 (B2 Kerb)
				525	43.587					
15	Junction Pit	900	900	600	43.800	600	43.750	45.591	1.841	EDCM 607
16	Grated Side Entry Pit	900	900	600	44.013	600	43.963	45.557	1.595	EDCM 601 (B2 Kerb)
				300	44.093					
17	End Pipe					600	44.054	45.600	1.546	Cap End
18	Grated Side Entry Pit	600	900	375	42.742	375	42.692	44.330	1.638	EDCM 601 (B2 Kerb)
19	End Pipe					375	42.865	44.864	2.000	Cap End
20	Grated Side Entry Pit	600	900	300	43.020	375	42.945	44.702	1.757	EDCM 601 (B2 Kerb)
				300	43.020					
				225	43.095					
21	Grated Side Entry Pit	600	900	225	43.848	300	43.773	45.143	1.370	EDCM 601 (B2 Kerb)
				300	43.823					
22	Junction Pit	600	900			225	44.844	45.952	1.084	EDCM 607
23	Grated Side Entry Pit	600	900			300	43.109	44.731	1.622	EDCM 601 (B2 Kerb)
24	Junction Pit	600	900	300	44.003	300	43.953	45.404	1.451	EDCM 607
25	Grated Side Entry Pit	600	900	300	44.113	300	44.063	45.531	1.468	EDCM 603; Cover to suit driveway profile. Provide Class D Heavy Duty Cover.
26	Grated Side Entry Pit	600	900			300	44.202	45.573	1.370	EDCM 601 (B2 Kerb)
27	Grated Side Entry Pit	600	900			300	43.681	45.049	1.368	EDCM 601 (B2 Kerb)
28	Double Grated Side Entry Pit	900	1800	225	43.899	300	43.824	45.274	1.450	EDCM 602 (B2 Kerb)
				300	43.874					
29	Junction Pit	600	900			225	44.750	46.064	1.314	EDCM 607
30	Grated Side Entry Pit	600	900			300	43.938	45.306	1.368	EDCM 601 (B2 Kerb)
31	Grated Side Entry Pit	900	900	450	43.827	525	43.752	45.761	2.009	EDCM 601 (B2 Kerb)
				375	43.902					
32	Existing Junction Pit			Ex450	44.500	450	44.105	45.985	1.880	Connect to existing Pit & Modify depth to match Outlet Level
33	Grated Side Entry Pit	600	900	375	43.992	375	43.942	45.796	1.853	EDCM 601 (B2 Kerb)
34	Grated Side Entry Pit	600	900			300	44.177	45.575	1.399	EDCM 601 (B2 Kerb)
35	End Pipe					450	43.159	44.946	1.787	Cap End
36	Double Grated Side Entry Pit	600	1800	300	42.402	300	42.352	43.914	1.562	EDCM 602 (B2 Kerb)
37	Double Grated Side Entry Pit	600	1800	300	42.536	300	42.486	43.834	1.348	EDCM 602 (B2 Kerb)
38	Rock End Wall			900	41.617	900	41.617	43.723	2.106	Refer to Rock End Wall Detail on Sheet 2
39	Junction Pit	900	1200	900	41.661	900	41.641	43.588	1.947	EDCM 607
40	Junction Pit	900	1200	900	41.720	900	41.700	43.751	2.051	EDCM 607
				450	42.000					
41	Junction Pit	900	1200	900	41.913	900	41.893	44.500	2.608	EDCM 607, Provide 300 dia. Stub in West Wall IL42.500
42	Junction Pit	600	900			225	43.447	45.290	1.843	EDCM 607
43	End Pipe					375	44.036	46.042	2.006	Cap End
53	Junction Pit	900	900	450	43.281	450	43.231	45.066	1.834	EDCM 607, Provide 450 dia. Stub in North Wall IL43.281
54	Junction Pit	600	900	375	43.511	375	43.461	45.231	1.770	EDCM 607, Provide Class D Heavy Duty Cover, Provide 375 dia. Stub in North Wall IL43.511
55	Junction Pit	600	900			375	43.750	45.231	1.481	EDCM 607, Provide Class D Heavy Duty Cover, Provide 375 dia. Stub in North Wall IL43.800

AS CONSTRUCTED

AMENDMENTS					breese pitt dixon pty. ltd. land surveyors civil engineers					1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310		
	F	18-04-19	PIT SCHEDULE UPDATED									
	E	12/03/19	PIT SCHEDULE UPDATED									
	D	01-03-19	SHEET NUMBERING UPDATE	MELWAY REF.	234 G-2	RIVERDALE VILLAGE STAGE 11 ROAD CROSS SECTIONS & CROSS SECTIONS MULHOLLAND DRIVE & PIT SCHEDULE				MUNICIPALITY		
	C	19-03-18	PIT SCHEDULE AMENDED	SURVEY	BPD					WYNDHAM		
	B	05-03-18	PIT SCHEDULE AMENDED	DESIGN	M.A.							
A	24-01-18	ISSUED FOR CONSTRUCTION	DRAWN	M.A.	REFERENCE				8554	E / 11		
VER.	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	PIT	DATE	JUN'19	SHEET 8 OF 18	F



SETOUT TABLE LIP E			
Point	Easting	Northing	RL
E1	688.848	469.989	45.600
E2	692.848	471.061	45.585
E3	696.848	469.989	45.543
E4	699.776	467.061	45.497
E5	700.848	463.061	45.427
E6	699.776	459.061	45.371
E7	696.848	456.132	45.404
E8	692.848	455.061	45.501
E9	688.848	456.132	45.554
E10	685.919	459.061	45.589
E11	684.848	463.061	45.615
E12	685.919	467.061	45.595

LIP PROFILES
SCALE 1:200 AT A1 SIZE
0 2 4 8 1:200
0 0.2 0.4 0.8 1:20
ALL LENGTHS ARE IN METRES

SETOUT TABLE LIP F			
Point	Easting	Northing	RL
F1	667.431	464.765	45.494
F2	678.331	466.848	45.467
F3	679.088	466.142	45.489
F4	678.942	460.728	45.492
F5	678.164	460.059	45.466
F6	667.297	463.596	45.463

SETOUT TABLE LIP G			
Point	Easting	Northing	RL
G1	692.837	438.539	45.295
G2	691.084	448.245	45.399
G3	691.710	449.006	45.422
G4	695.973	449.310	45.311
G5	696.686	448.573	45.282
G6	694.015	438.434	45.260

SETOUT TABLE LIP H			
Point	Easting	Northing	RL
H1	716.531	462.074	45.115
H2	707.588	460.733	45.214
H3	706.850	461.387	45.241
H4	706.740	465.485	45.330
H5	707.513	466.160	45.303
H6	716.677	463.244	45.142

SETOUT TABLE LIP I			
Point	Easting	Northing	RL
I1	690.801	489.722	45.547
I2	693.804	477.961	45.492
I3	693.225	477.156	45.516
I4	688.380	476.434	45.438
I5	687.597	477.098	45.422
I6	689.615	489.727	45.546

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.

- NOTES:**
1. ALL KERB AND CHANNEL TO BE AS SPECIFIED.
 2. ALL CHAINAGES ARE SQUARE TO CENTERLINE OF ROAD PAVEMENT.
 3. ALL SETOUT TO LIP OF KERB UNLESS OTHERWISE SHOWN.
 4. KERB LEVELS ARE TO LIP OF KERB.
 5. CONDUITS NOT SHOWN FOR CLARITY.

SYMBOL LEGEND	
Drains	Prop
Sewer < 300	Exist
Sewer > 300	+
Potable Water	+
Recycled Water	+
House Drain	+
Property Inlet	+
Street Sign	+
PSM	+
Retaining Wall	+
Conduits 50mm	+
Conduits 100mm	+
Ex Gas/Elect/Tel	+
Fill > 150mm	+
Cut > 150mm	+

AMENDMENTS	
D	11-06-19 STREET NAME CHANGED
C	01-03-19 SHEET NUMBERING UPDATE
B	19-03-18 DRAINAGE PIT 13 RELOCATED
A	24-01-18 ISSUED FOR CONSTRUCTION
VER	DATE
DATE	REMARKS

breese pitt dixon pty. ltd.
land surveyors
civil engineers

Council Ref No. -

1/19 cato street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

RIVERDALE VILLAGE
STAGE 11

INTERSECTION DETAILS - SHEET 1 OF 4

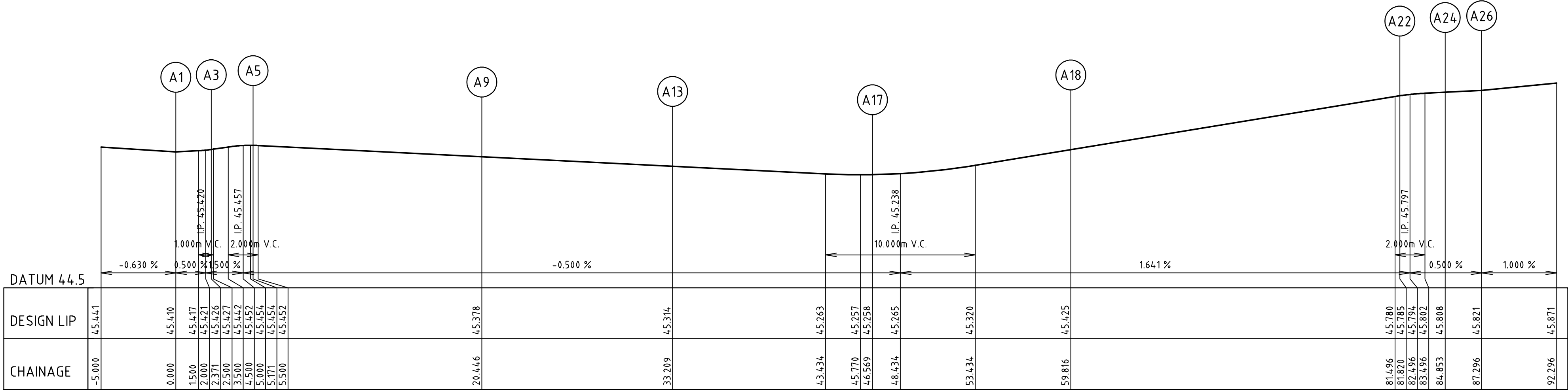
MUNICIPALITY
WYNDHAM

REFERENCE
8554 E/11

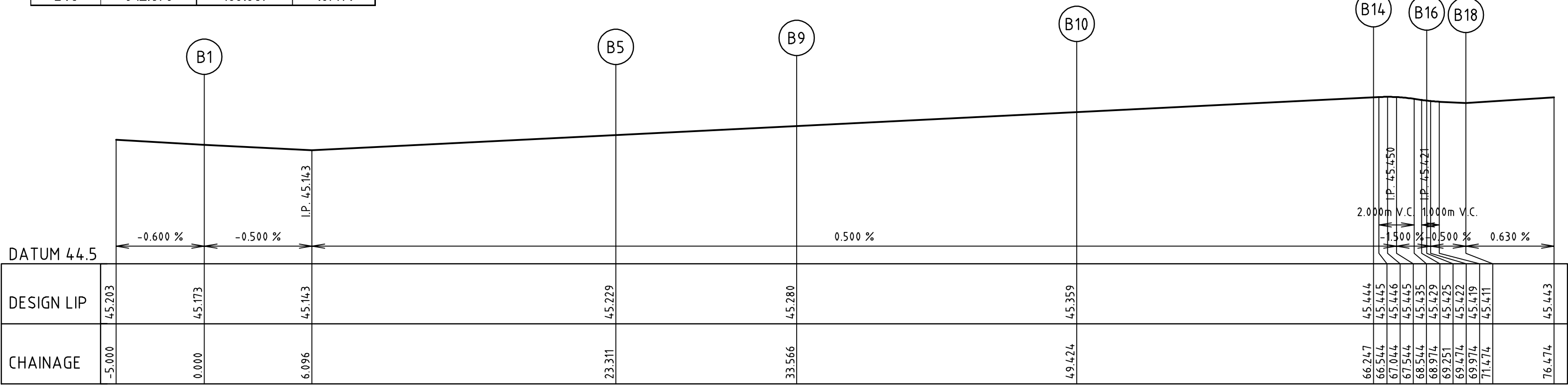
SHEET 9 OF 18

D

SETOUT TABLE LIP B			
Point	Easting	Northing	RL
B1	688.293	425.183	45.173
B2	688.624	430.988	45.144
B3	688.281	436.813	45.171
B4	687.269	442.548	45.200
B5	685.599	448.129	45.229
B6	684.459	450.419	45.242
B7	682.833	452.393	45.254
B8	680.804	453.952	45.267
B9	678.477	455.014	45.280
B10	663.397	459.923	45.359
B11	659.349	461.057	45.380
B12	655.219	461.848	45.401
B13	651.038	462.291	45.423
B14	646.835	462.384	45.444
B15	645.391	462.020	45.444
B16	644.255	461.058	45.425
B17	643.428	460.326	45.417
B18	642.378	459.987	45.411



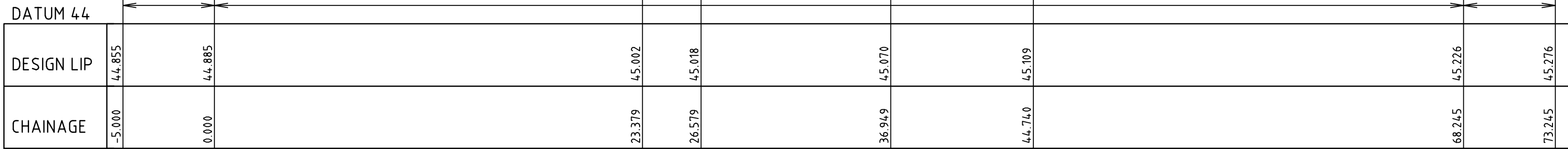
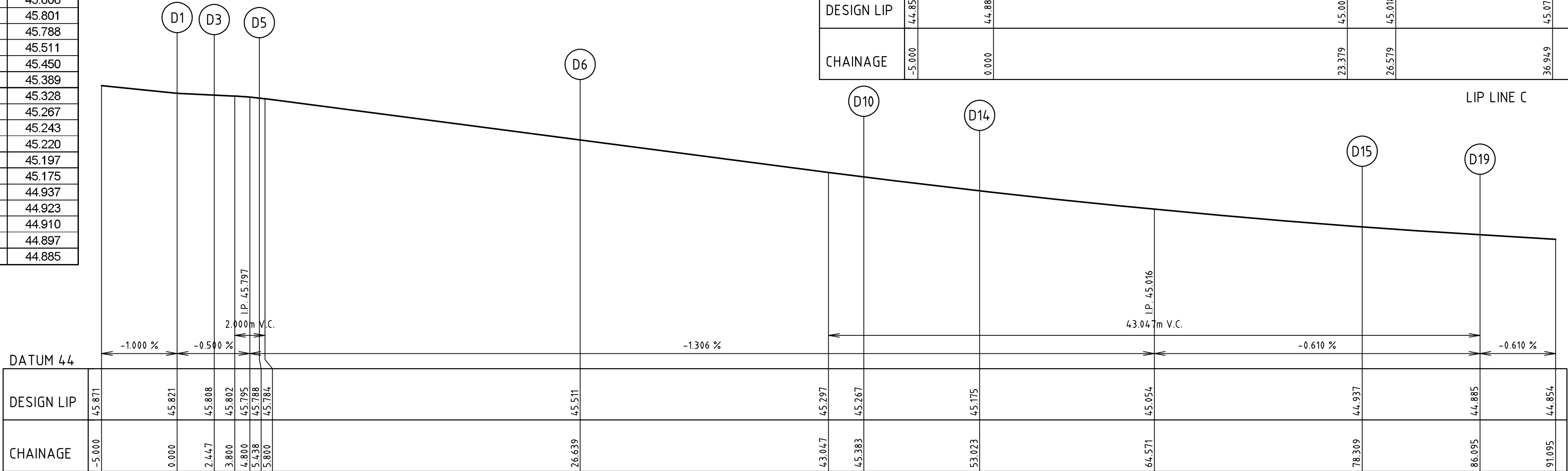
SETOUT TABLE LIP A			
Point	Easting	Northing	RL
A1	641.432	470.546	45.410
A2	642.601	470.412	45.416
A3	643.601	469.795	45.426
A4	644.778	469.056	45.446
A5	646.155	468.867	45.454
A6	649.966	469.110	45.435
A7	653.782	469.257	45.416
A8	657.600	469.310	45.397
A9	661.418	469.267	45.378
A10	664.608	469.293	45.362
A11	667.791	469.520	45.346
A12	670.952	469.950	45.330
A13	674.080	470.578	45.314
A14	677.173	471.806	45.297
A15	679.774	473.881	45.280
A16	681.658	476.624	45.264
A17	682.661	479.797	45.258
A18	684.752	492.878	45.425
A19	685.421	498.337	45.515
A20	685.690	503.830	45.605
A21	685.557	509.329	45.695
A22	685.023	514.802	45.785
A23	684.488	516.207	45.801
A24	683.386	517.230	45.808
A25	682.495	518.050	45.815
A26	682.052	519.177	45.821



LIP PROFILES

SCALE 1:200 AT A1 SIZE
0 2 4 8 1:200
0 0.2 0.4 0.8 1:20
ALL LENGTHS ARE IN METRES

SETOUT TABLE LIP D			
Point	Easting	Northing	RL
D1	691.942	520.655	45.821
D2	691.847	519.445	45.815
D3	691.232	518.400	45.808
D4	690.481	517.121	45.801
D5	690.365	515.643	45.788
D6	693.499	494.675	45.511
D7	694.406	490.079	45.450
D8	695.737	485.588	45.389
D9	697.480	481.240	45.328
D10	699.620	477.073	45.267
D11	700.719	475.514	45.243
D12	702.086	474.184	45.220
D13	703.674	473.129	45.197
D14	705.430	472.385	45.175
D15	729.526	464.718	44.937
D16	731.394	464.173	44.923
D17	733.287	463.718	44.910
D18	735.199	463.356	44.897
D19	737.127	463.086	44.885



SETOUT TABLE LIP C			
Point	Easting	Northing	RL
C1	736.342	456.734	44.885
C2	730.518	457.216	44.914
C3	724.675	457.320	44.944
C4	718.837	457.045	44.973
C5	713.030	456.394	45.002
C6	712.240	456.272	45.006
C7	711.451	456.136	45.010
C8	710.666	455.986	45.014
C9	709.883	455.823	45.018
C10	707.445	454.959	45.031
C11	705.300	453.516	45.044
C12	703.582	451.583	45.057
C13	702.399	449.284	45.070
C14	699.733	441.963	45.109
C15	697.885	436.386	45.138
C16	696.367	430.710	45.168
C17	695.184	424.955	45.197
C18	694.340	419.140	45.226

AS CONSTRUCTED

- NOTES:
- ALL KERB AND CHANNEL TO BE AS SPECIFIED.
 - ALL CHAINAGES ARE SQUARE TO CENTERLINE OF ROAD PAVEMENT.
 - ALL SETOUT TO LIP OF KERB UNLESS OTHERWISE SHOWN.
 - KERB LEVELS ARE TO LIP OF KERB.
 - CONDUITS NOT SHOWN FOR CLARITY.

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.

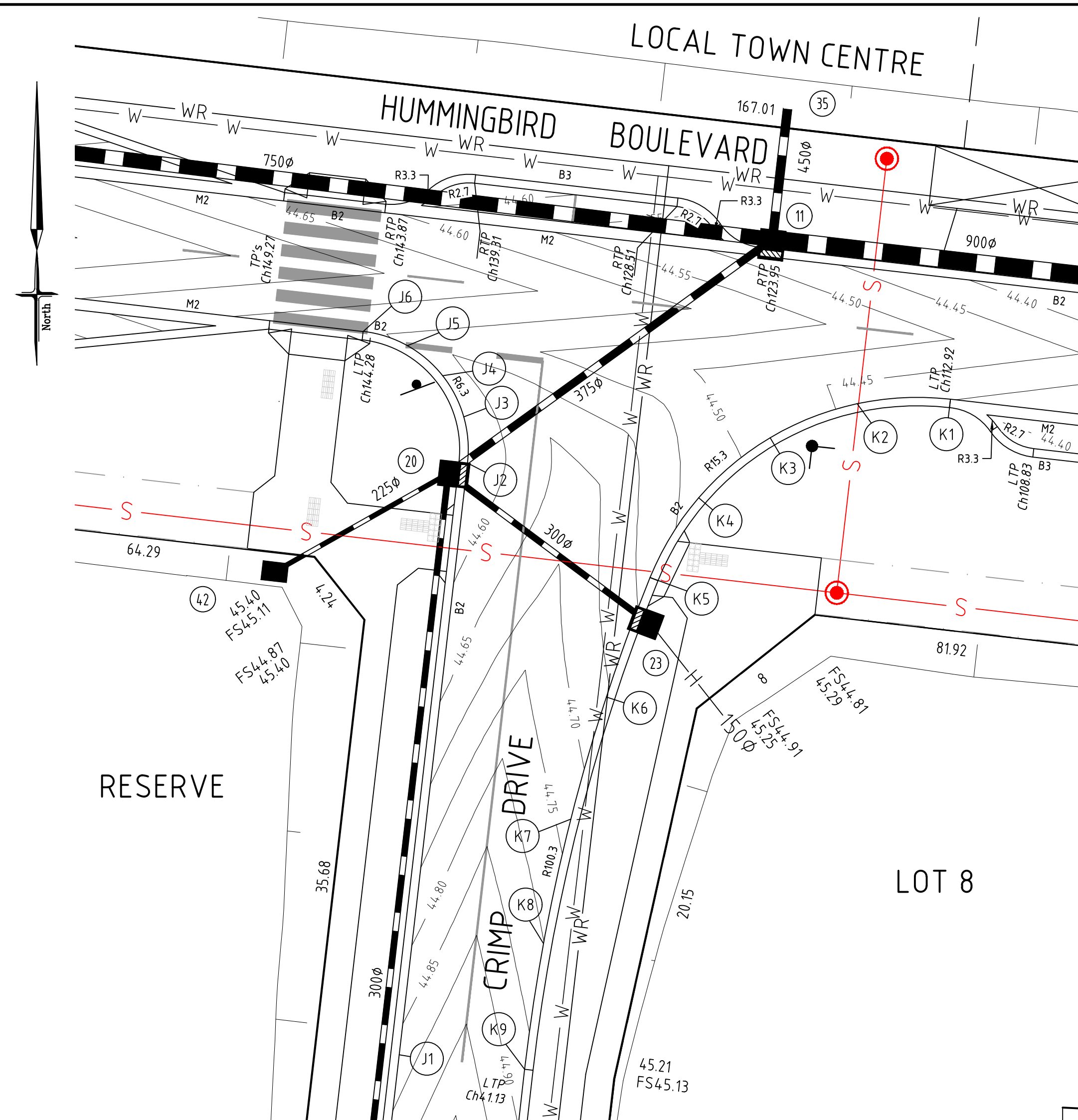
SYMBOL LEGEND

Drains
Sewer < 300
Sewer > 300
Potable Water
Recycled Water
House Drain
Property Inlet
Street Sign
PSM
Retaining Wall
Conduits 50mm
Conduits 100mm
Ex Gas/Elect/Tel

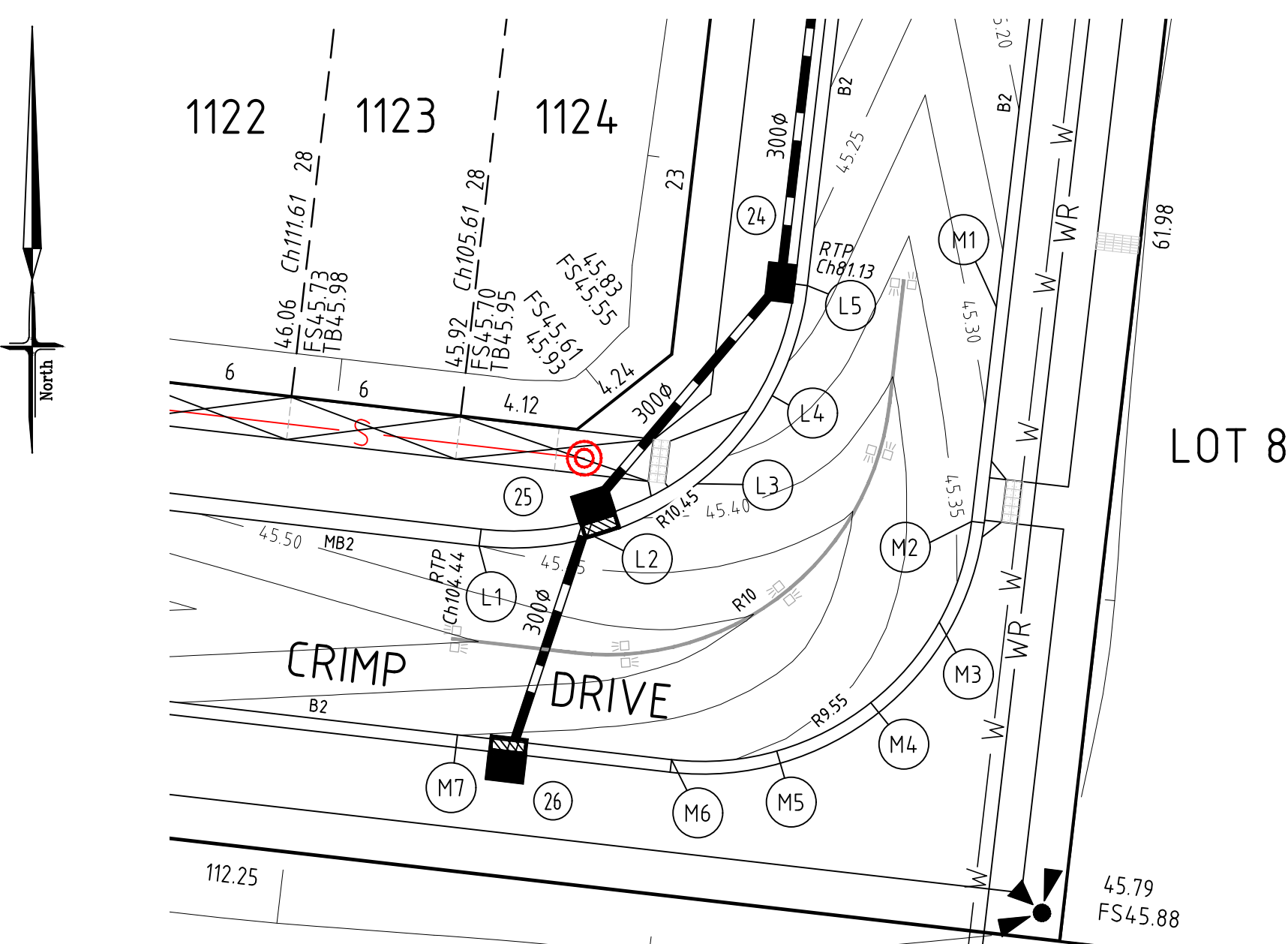
Exist Surface Level + 28.57
Prop Surface Level + 7328.57
Prop Top Bolter Level + 7288.57
Prop Toe Bolter Level + 7288.57
Prop Top Retaining Wall Level + 7288.57
Fill > 150mm
Cut > 150mm

AMENDMENTS		MELWAY REF.		brees pitt dixon pty. ltd. land surveyors		civil engineers		Council Ref No. -	
B	01-03-19	SHEET NUMBERING UPDATE	BPD	RIVERDALE VILLAGE STAGE 11		INTERSECTION DETAILS - SHEET 2 OF 4		MUNICIPALITY WYNDHAM	
A	24-01-18	ISSUED FOR CONSTRUCTION	M.A.						
VER.	DATE	REMARKS	CHECKED	SCALE	AS SHOWN	DATUM	AHD	DATE	SEP '17
								SHEET 10 OF 18	
								B	

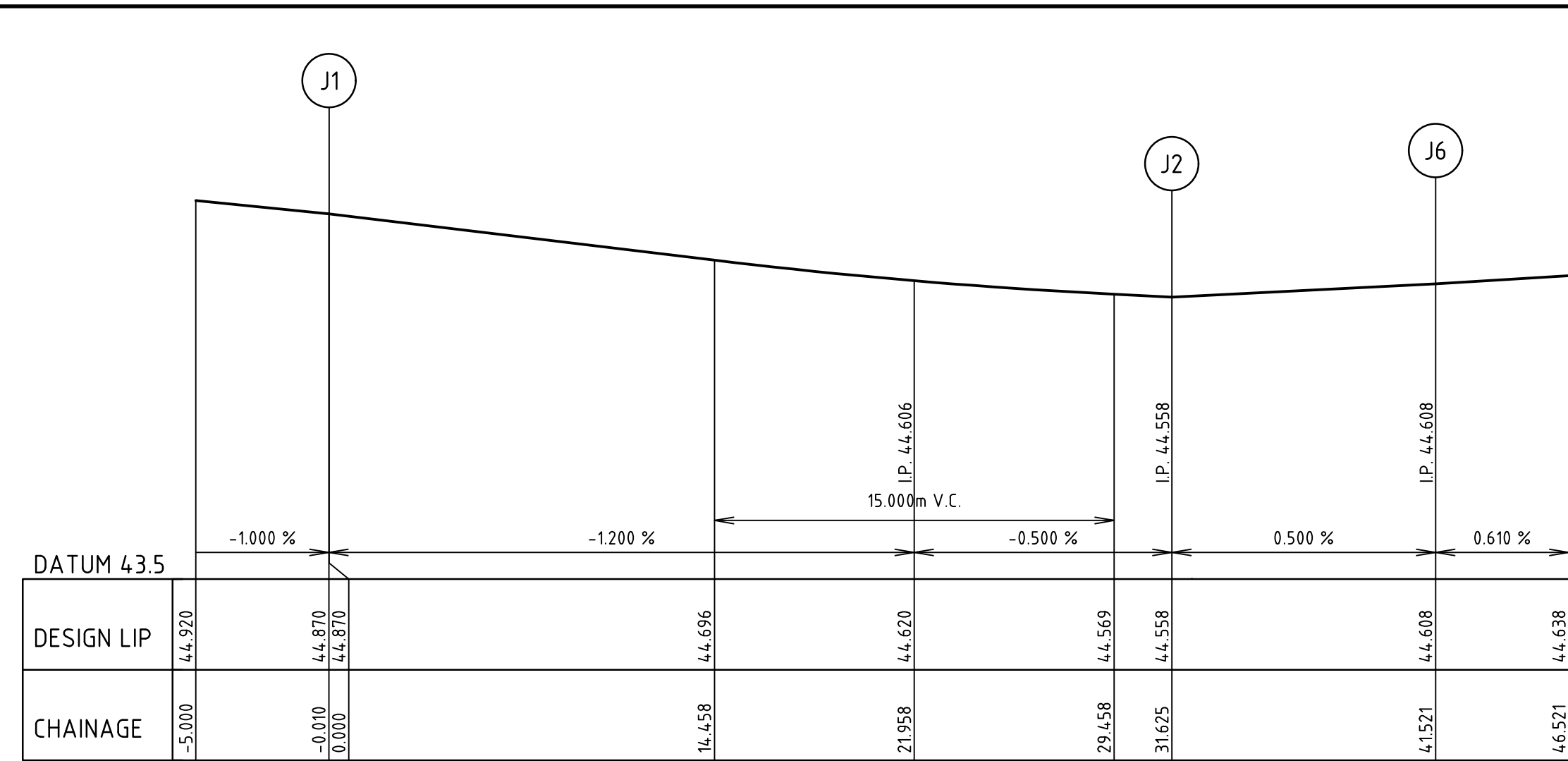
AS CONSTRUCTED



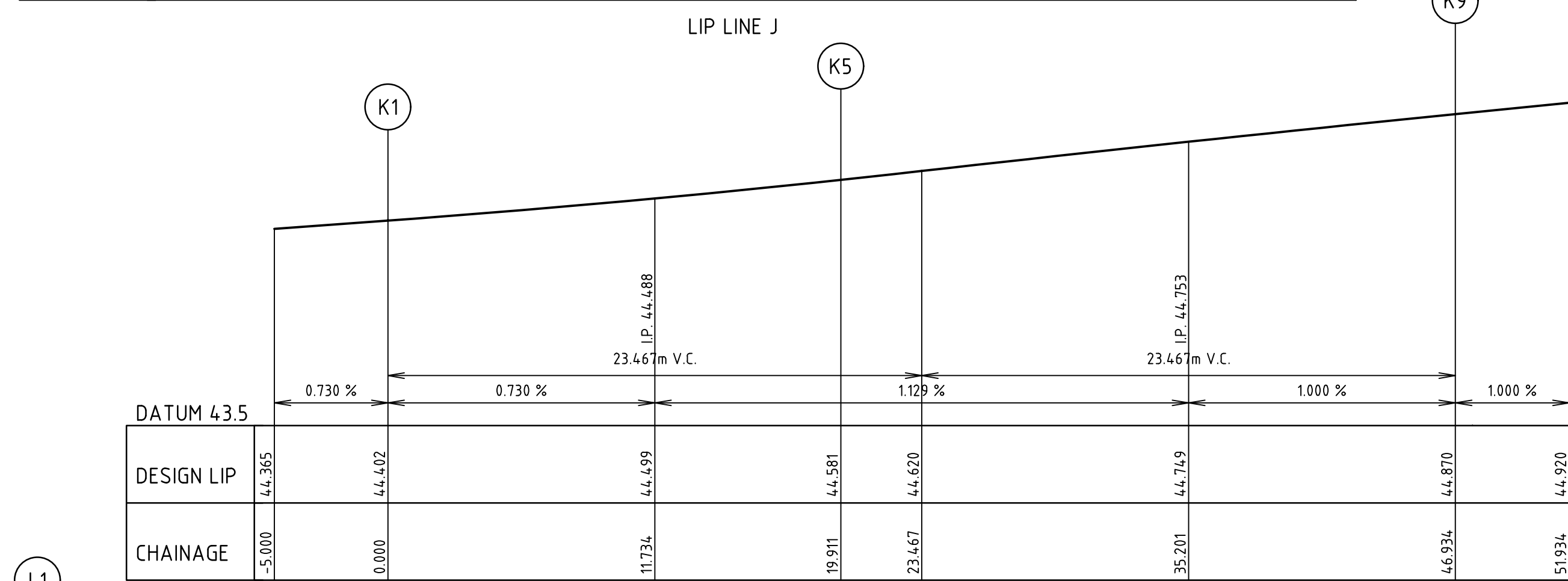
HUMMINGBIRD BOULEVARD/CRIMP DRIVE INTERSECTION DETAIL
SCALE 1:200 AT A1 SIZE



CRIMP DRIVE ELBOW BEND 1 INTERSECTION DETAIL
SCALE 1:200 AT A1 SIZE

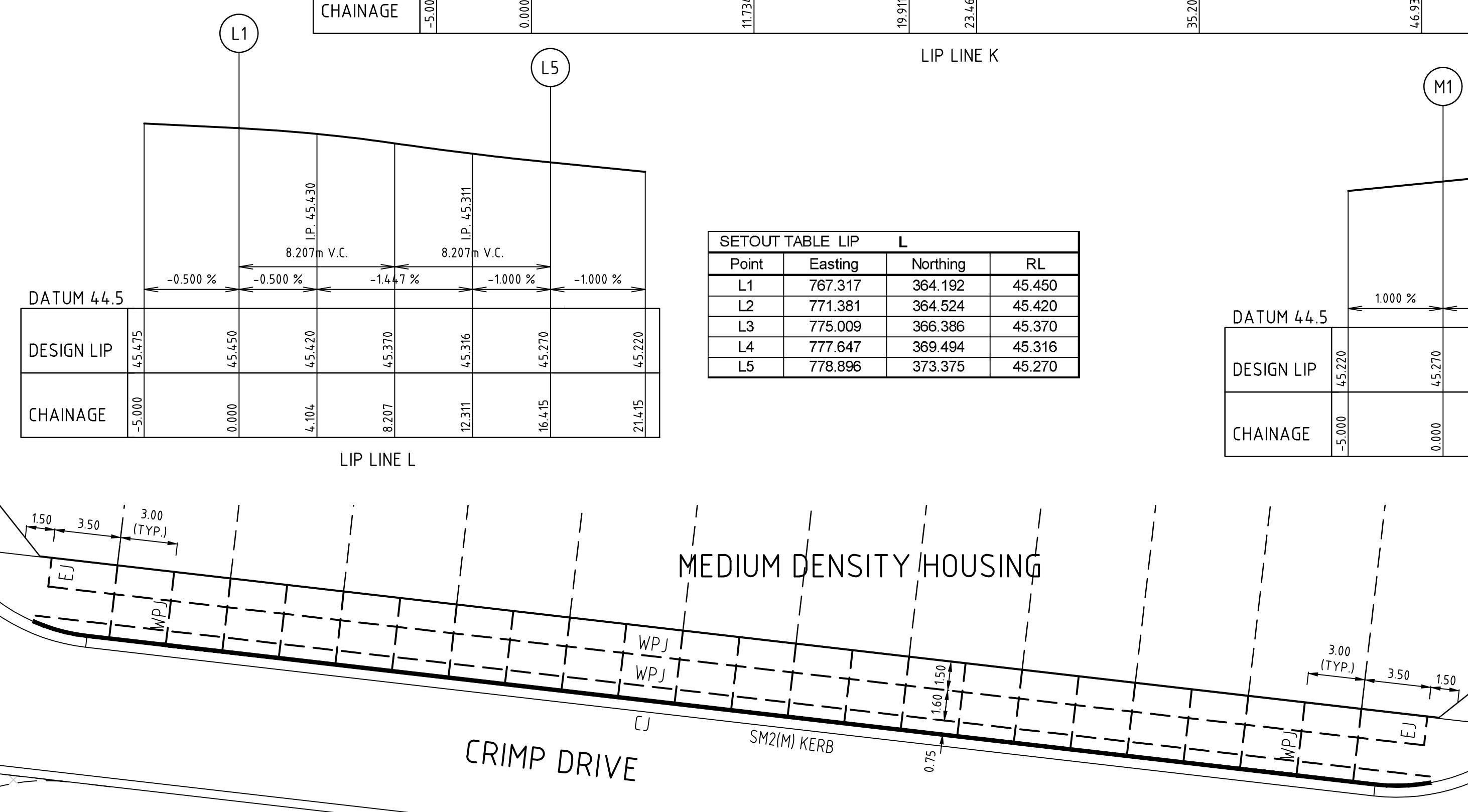


SETOUT TABLE LIP J			
Point	Easting	Northing	RL
J1	783.481	413.120	44.870
J2	786.905	446.987	44.570
J3	785.783	449.173	44.583
J4	783.909	450.764	44.595
J5	787.105	444.537	44.558
J6	781.569	451.517	44.608

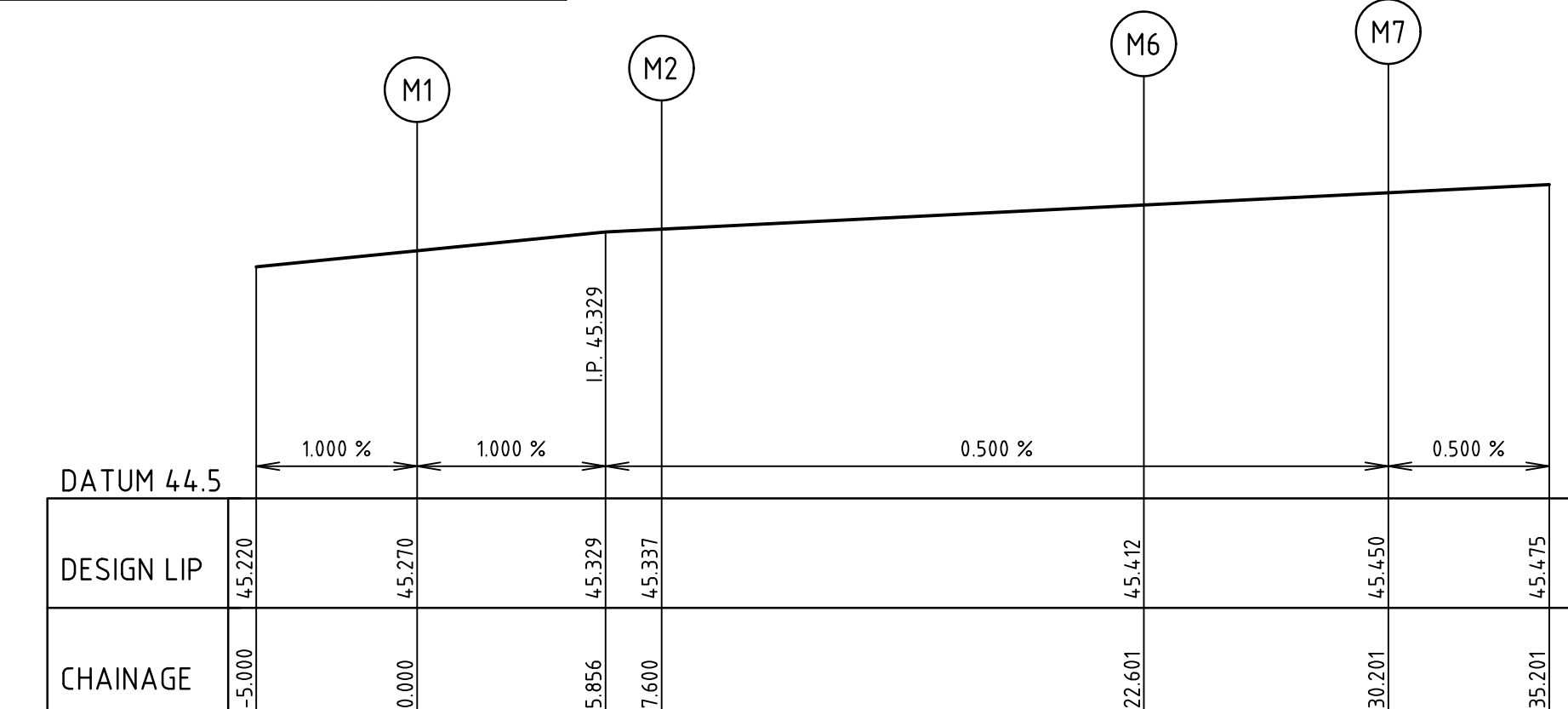


SETOUT TABLE LIP K			
Point	Easting	Northing	RL
K1	812.729	447.922	44.402
K2	807.778	447.685	44.440
K3	803.164	445.879	44.483
K4	799.369	442.692	44.530
K5	796.791	438.459	44.581
K6	794.471	432.115	44.656
K7	792.583	425.630	44.730
K8	791.136	419.032	44.801
K9	790.137	412.352	44.870

LIP PROFILES
SCALE 1:200 AT A1 SIZE
0 2 4 8 1:200
0 0.2 0.4 0.8 1:20
ALL LENGTHS ARE IN METRES



CRIMP DRIVE MEDIUM DENSITY HOUSING CROSSOVER CONSTRUCTION JOINT DETAIL
SCALE 1:200 AT A1 SIZE



SETOUT TABLE LIP M			
Point	Easting	Northing	RL
M1	785.552	372.608	45.270
M2	784.681	365.058	45.337
M3	783.540	361.510	45.356
M4	781.128	358.670	45.375
M5	777.813	356.968	45.394
M6	774.099	356.665	45.412
M7	766.549	357.536	45.450

WPJ WEAKENED PLANE JOINT (WPJ)
MAX SPACING 3.5m
CJ CONSTRUCTION JOINT (CJ)
N12 TIE BARS 450mm LONG @ 300mm
CENTRES, CENTRALLY PLACED
EJ EXPANSION JOINT (EJ)

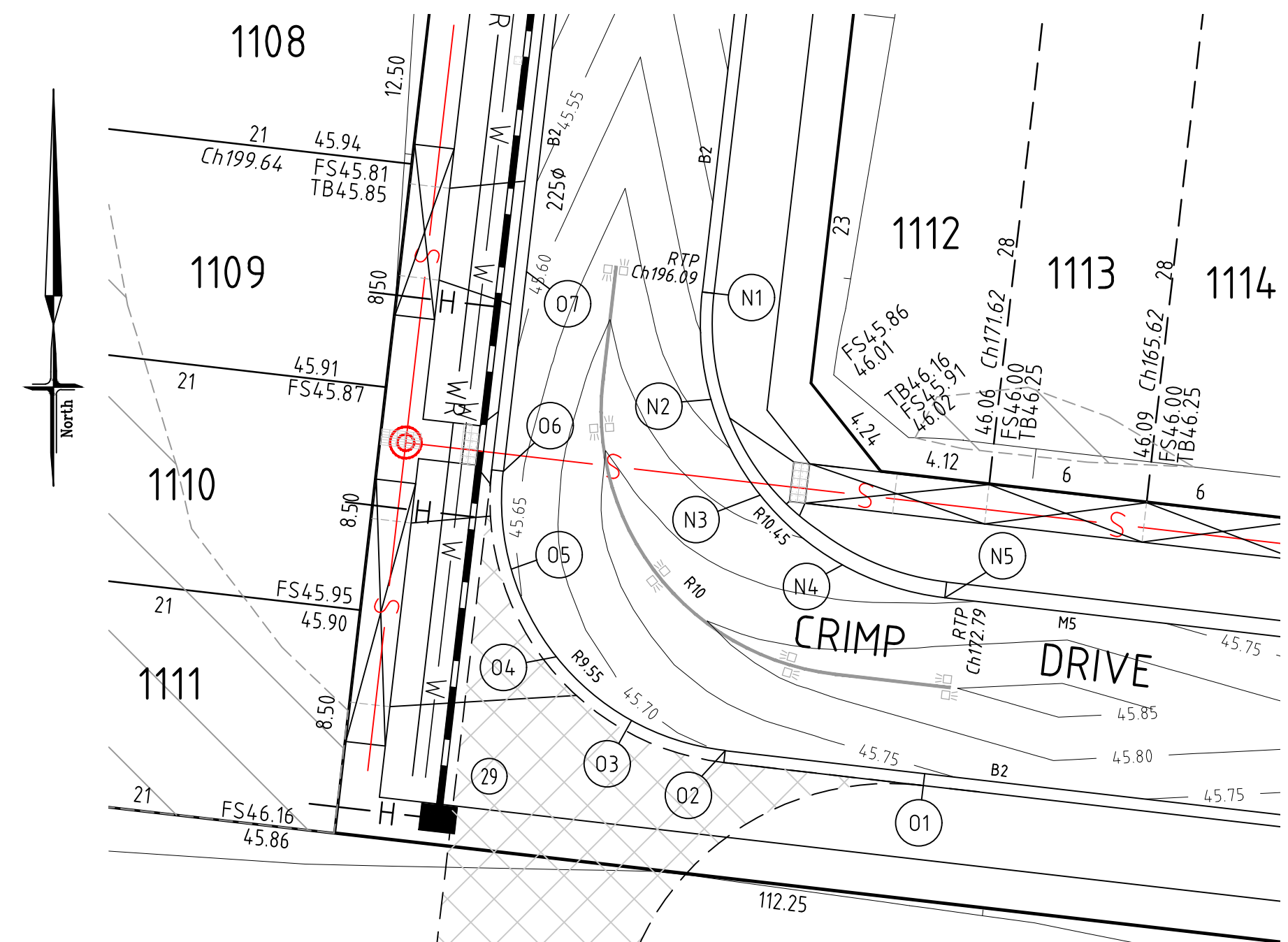
SYMBOL LEGEND			
Drains	Prop	Exist	
Sewer < 300	-S-	-S-	
Sewer > 300	-S-	-S-	
Potable Water	-W-	-W-	
Recycled Water	-RW-	-RW-	
House Drain	-H-	-H-	
Property Inlet	-P-	-P-	
Street Sign	-S-	-S-	
PSM	-P-	-P-	
Retaining Wall	-R-	-R-	
Conduits 50mm	-C-	-C-	
Conduits 100mm	-C-	-C-	
Ex Gos/Elect/Tel	-G-	-G-	
Exist Surface Level	+ 28.57		
Prop Surface Level	+ 28.57		
Prop Top Batter Level	+ 28.57		
Prop Toe Batter Level	+ 28.57		
Prop Top Retaining Wall Level	+ 28.57		
Fill > 150mm			
Cut > 150mm			

AMENDMENTS	DATE	REMARKS
F	11-06-19	STREET NAME CHANGED
E	09-05-19	CRIMP DRIVE PRAM CROSSING UPDATED
D	01-03-19	SHEET NUMBERING UPDATE
C	09-01-19	CRIMP DRIVE KERB AMENDED
B	19-03-18	ADDITIONAL LOT ADDED TO TERRACE LOTS
A	24-01-18	ISSUED FOR CONSTRUCTION
VER		

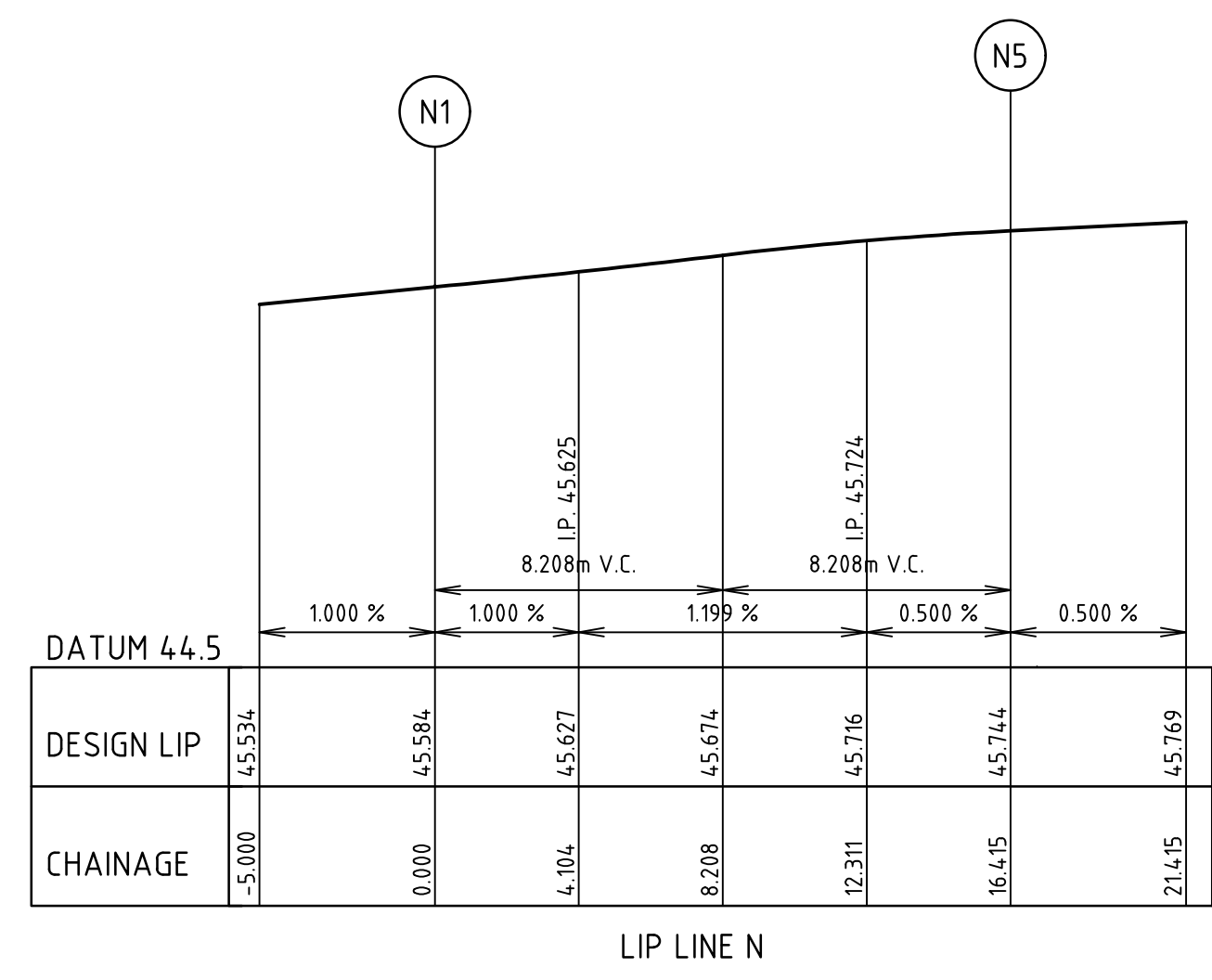
Council Ref No. -		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 234 G-2		SURVEY BPD		MUNICIPALITY WYNDHAM	
DESIGN M.A.		DRAWN M.A.		REFERENCE 8554 E/11	
CHECKED		SCALE AS SHOWN		DATE JUN'19	
DATUM AHD		SHEET 11 OF 18		F	

- NOTES:
- ALL KERB AND CHANNEL TO BE AS SPECIFIED.
 - ALL CHAINAGES ARE SQUARE TO CENTERLINE OF ROAD PAVEMENT.
 - ALL SETOUT TO LIP OF KERB UNLESS OTHERWISE SHOWN.
 - KERB LEVELS ARE TO LIP OF KERB.
 - CONDUITS NOT SHOWN FOR CLARITY.

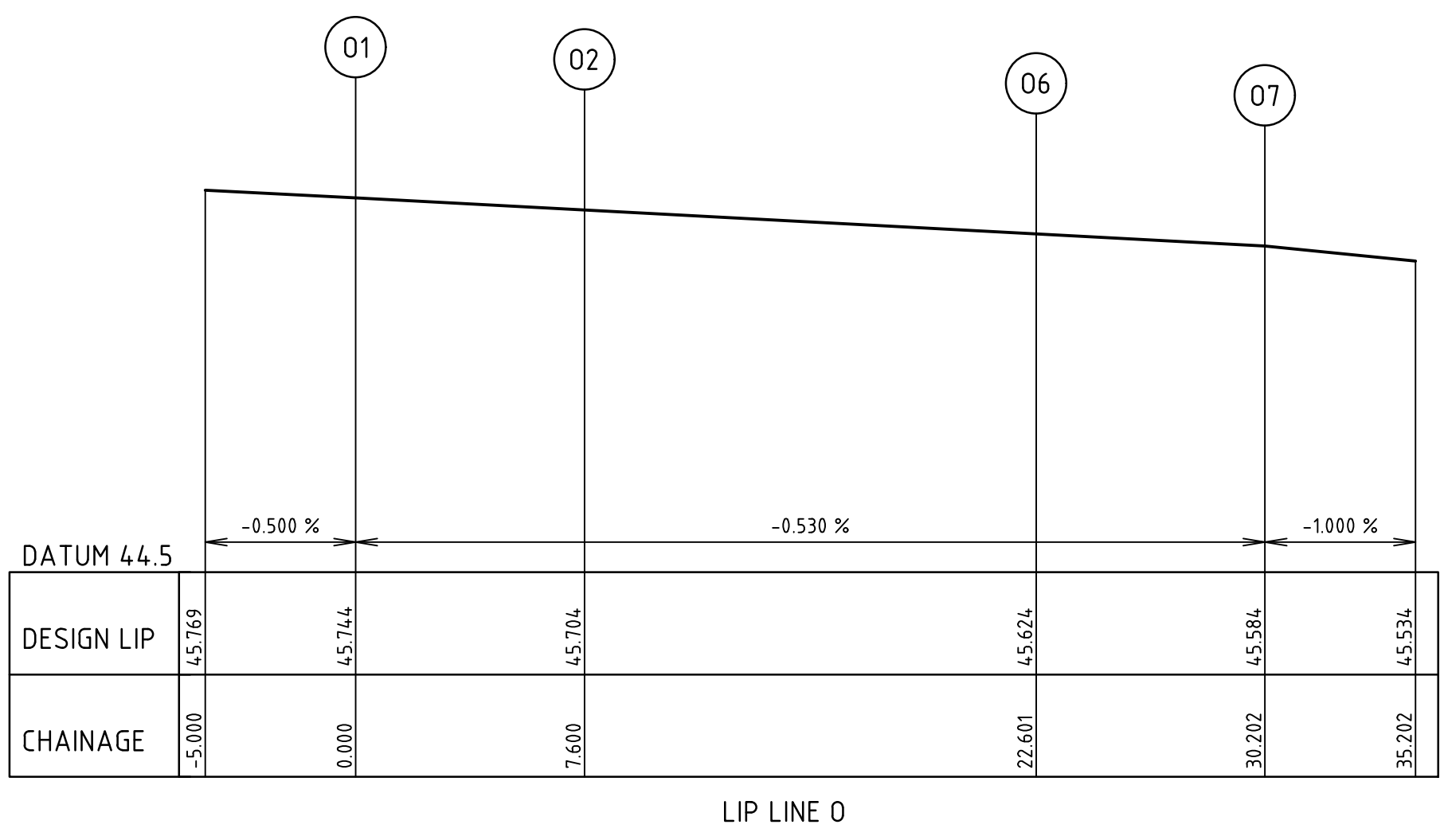
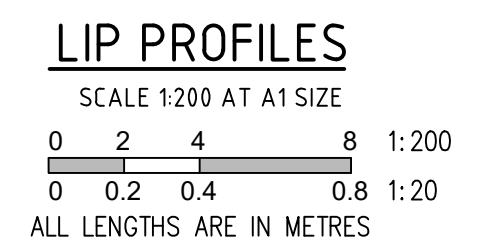
WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.



CRIMP DRIVE ELBOW BEND 2 INTERSECTION DETAIL
SCALE 1:200 AT A1 SIZE

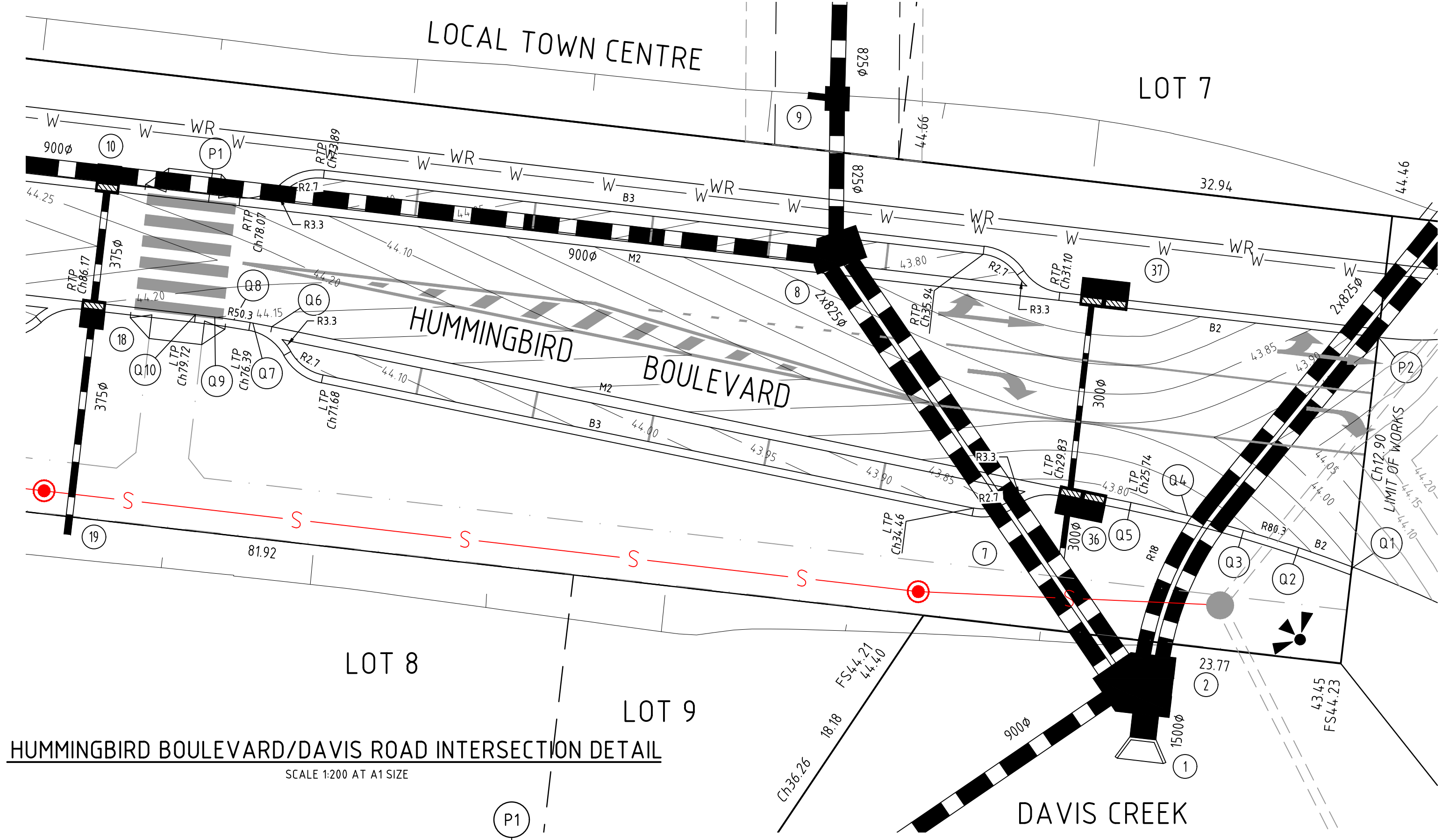


SETOUT TABLE LIP N			
Point	Easting	Northing	RL
N1	690.240	383.603	45.584
N2	690.572	379.539	45.627
N3	692.433	375.912	45.674
N4	695.542	373.273	45.716
N5	699.423	372.024	45.744

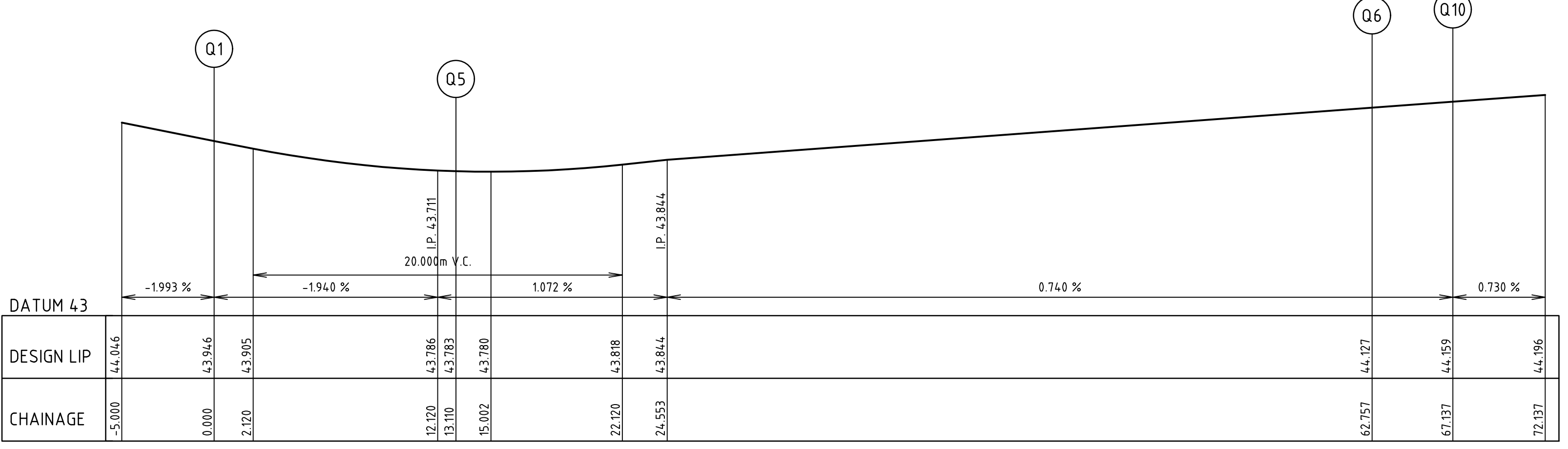
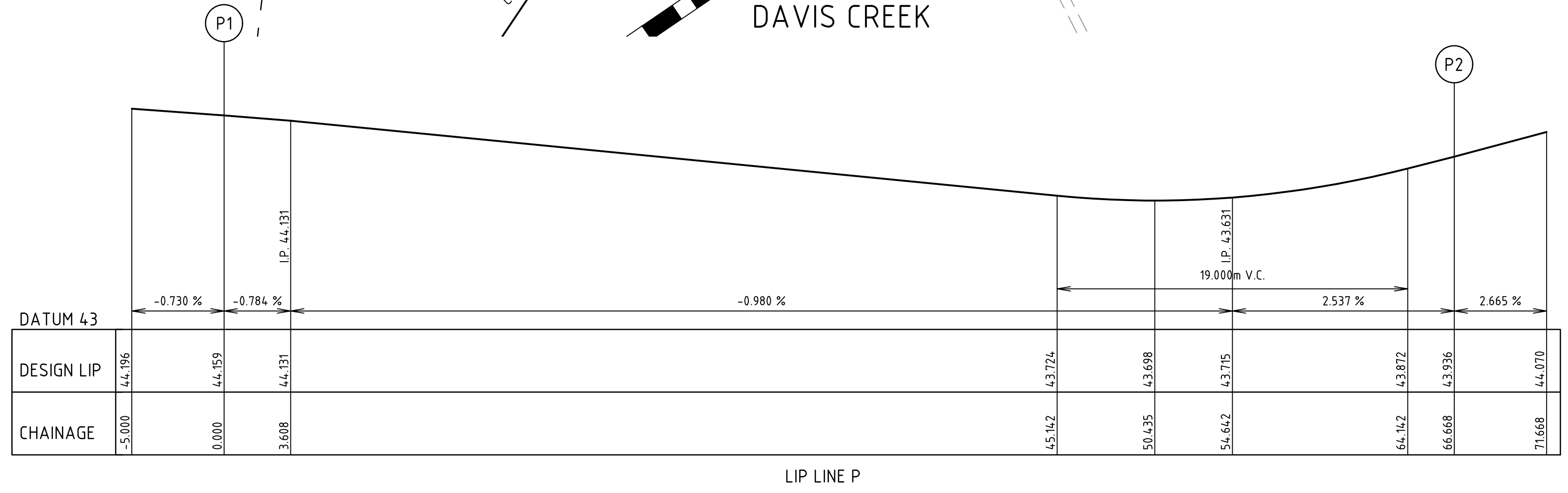


SETOUT TABLE LIP O			
Point	Easting	Northing	RL
O1	698.655	365.368	45.744
O2	691.105	366.239	45.704
O3	687.558	367.380	45.684
O4	684.717	369.792	45.664
O5	683.016	373.107	45.644
O6	682.713	376.821	45.624
O7	683.584	384.371	45.584

- NOTES:
1. ALL KERB AND CHANNEL TO BE AS SPECIFIED.
 2. ALL CHAINAGES ARE SQUARE TO CENTERLINE OF ROAD PAVEMENT.
 3. ALL SETOUT TO LIP OF KERB UNLESS OTHERWISE SHOWN.
 4. KERB LEVELS ARE TO LIP OF KERB.
 5. CONDUITS NOT SHOWN FOR CLARITY.



HUMMINGBIRD BOULEVARD/DAVIS ROAD INTERSECTION DETAIL
SCALE 1:200 AT A1 SIZE



SETOUT TABLE LIP Q			
Point	Easting	Northing	RL
Q1	911.246	429.807	43.946
Q2	908.162	430.915	43.884
Q3	905.035	431.895	43.834
Q4	901.870	432.748	43.800
Q5	898.674	433.470	43.783
Q6	850.034	443.427	44.127
Q7	848.960	443.635	44.135
Q8	847.880	443.819	44.143
Q9	846.798	443.980	44.151
Q10	845.711	444.117	44.159

SETOUT TABLE LIP P			
Point	Easting	Northing	RL
P1	846.445	450.475	44.159
P2	912.674	442.835	43.936

SYMBOL LEGEND

Drains
Sewer < 300
Sewer > 300
Potable Water
Recycled Water
House Drain
Property Inlet
Street Sign
PSM
Retaining Wall
Conduits 50mm
Conduits 100mm
Ex Gas/Elect/Tel

Prop
Exist

Exist Surface Level
Prop Surface Level
Prop Top Batter Level
Prop Toe Batter Level
Prop Top Retaining Wall Level

Fill > 150mm
Cut > 150mm

AMENDMENTS	DATE	REMARKS
F	11-06-19	STREET NAME CHANGED
E	09-05-19	CRIMP DRIVE PRAM CROSSING UPDATED
D	01-03-19	SHEET NUMBERING UPDATE
C	19-03-18	ADDITIONAL LOT ADDED TO TERRACE LOTS
B	05-03-18	PIPE SIZE AMENDED FOR PIPE LEG 1 - 2
A	24-01-18	ISSUED FOR CONSTRUCTION

breese pitt dixon pty. ltd.
land surveyors
civil engineers

Council Ref No. -

1/19 calo street
hawthorn east, 3123
telephone 8823 2300
fax no. 8823 2310

MELWAY REF. 234 G-2

SURVEY BPD

DESIGN M.A.

DRAWN M.A.

CHECKED

SCALE AS SHOWN

DATUM AHD

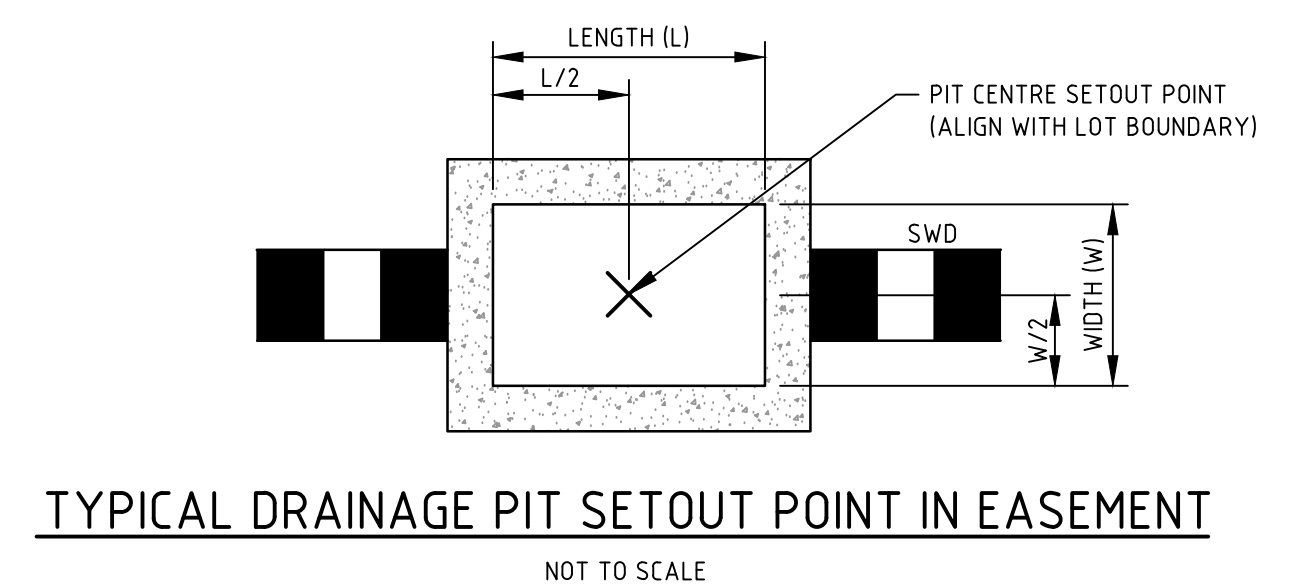
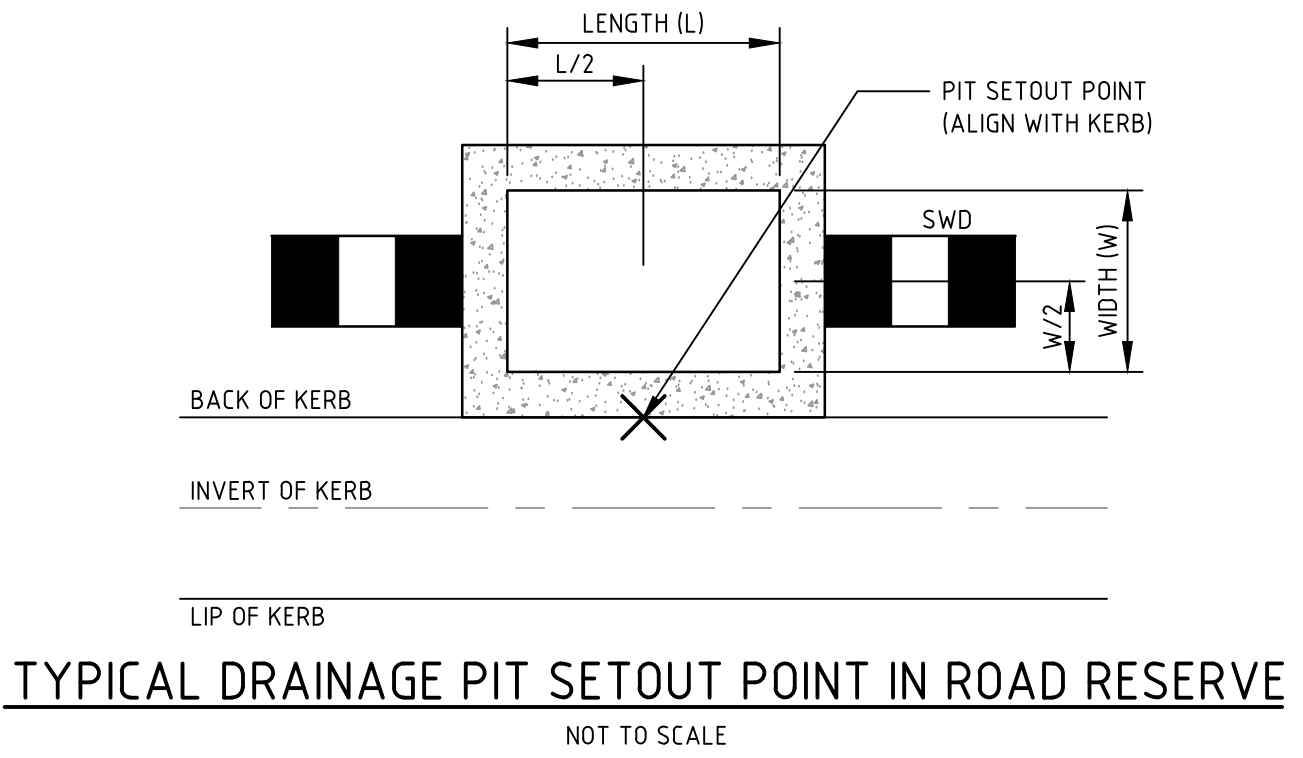
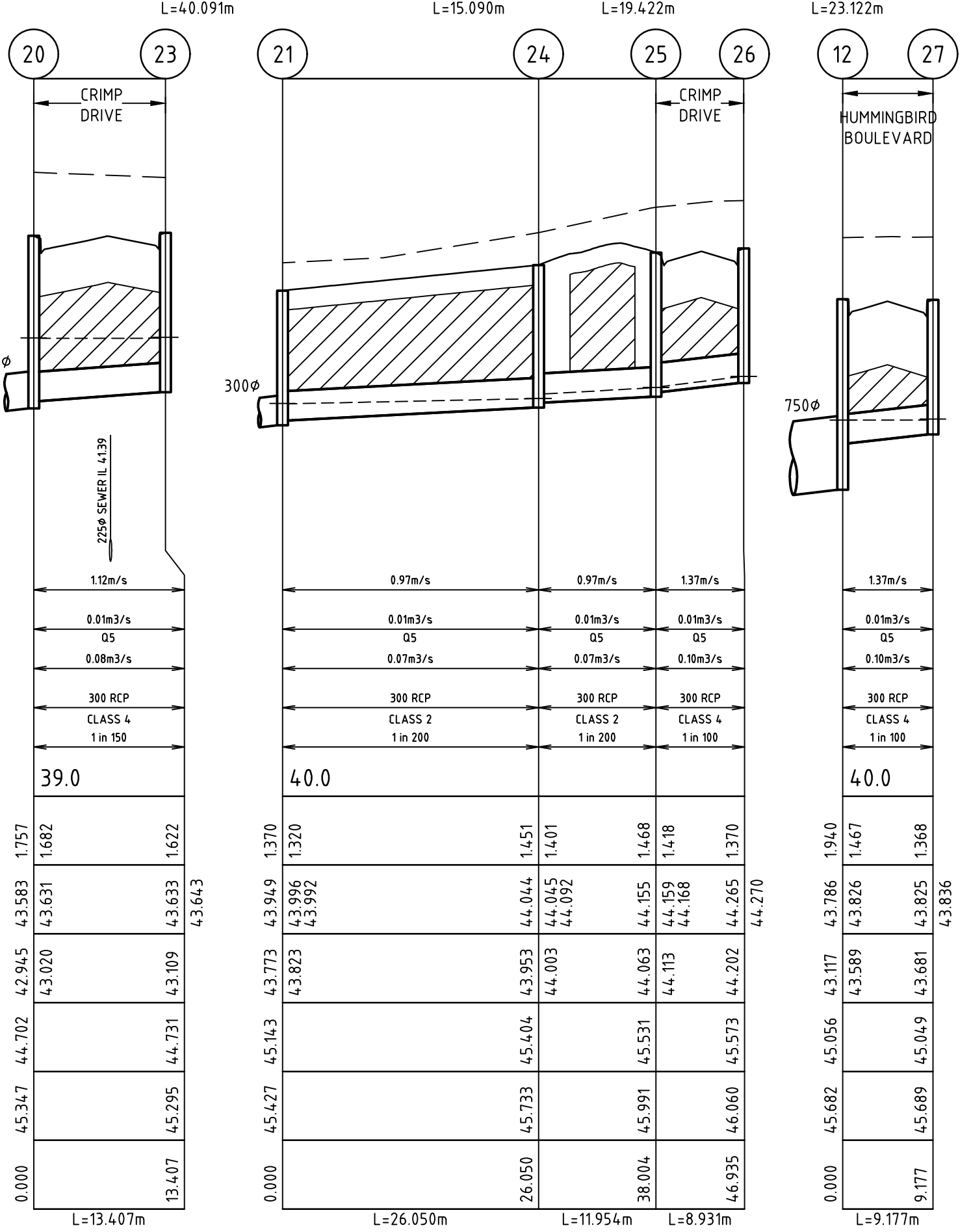
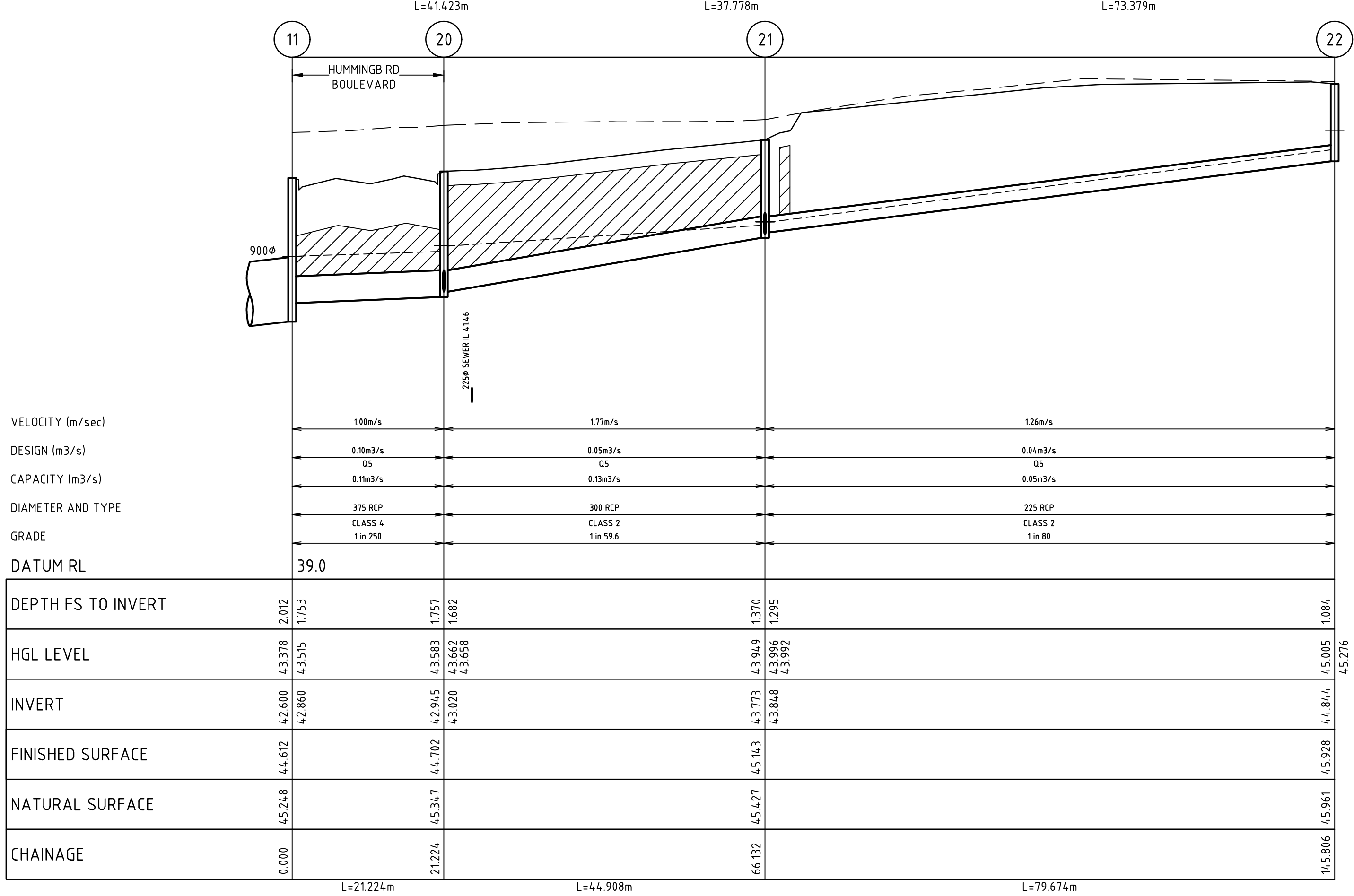
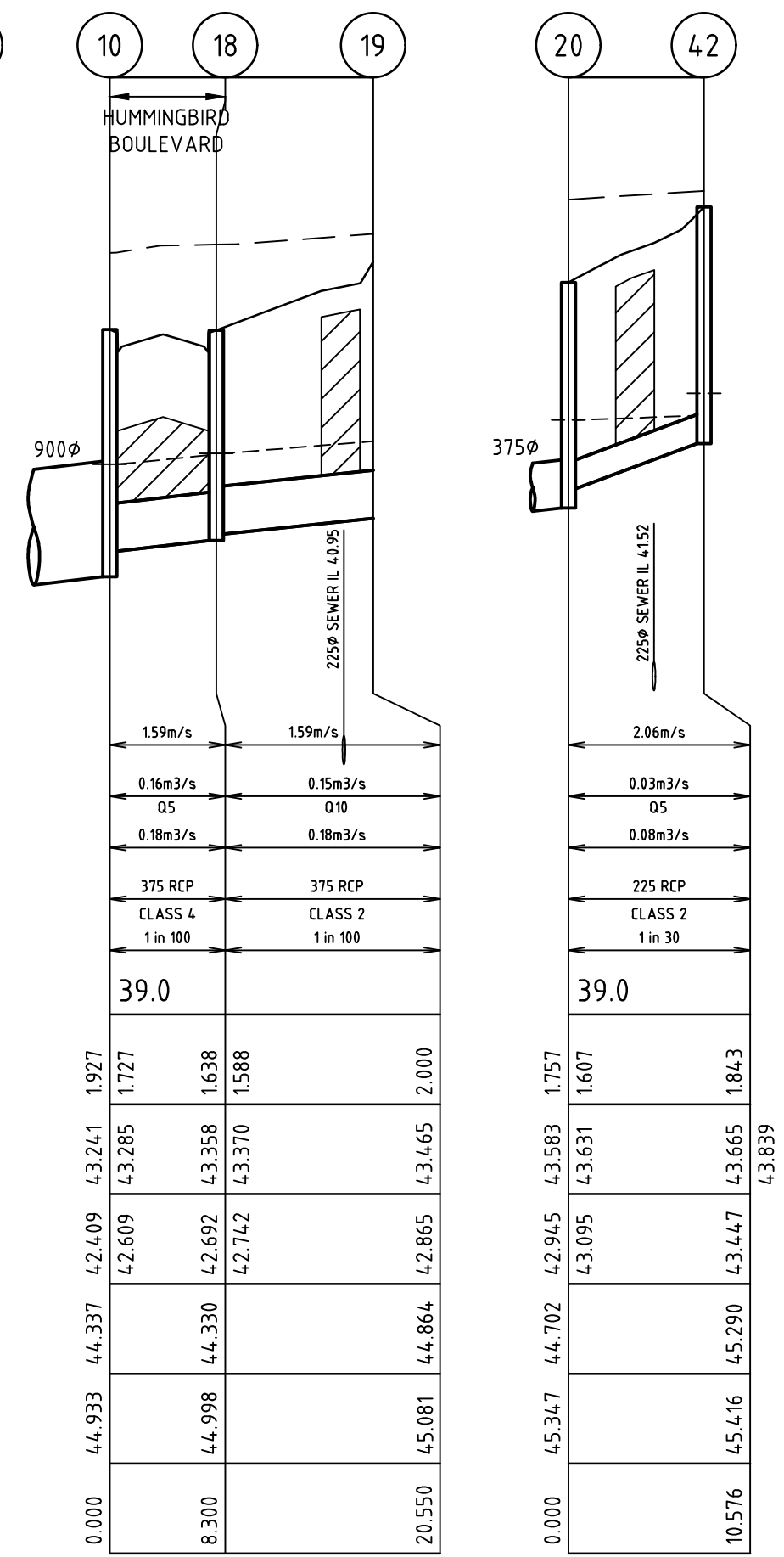
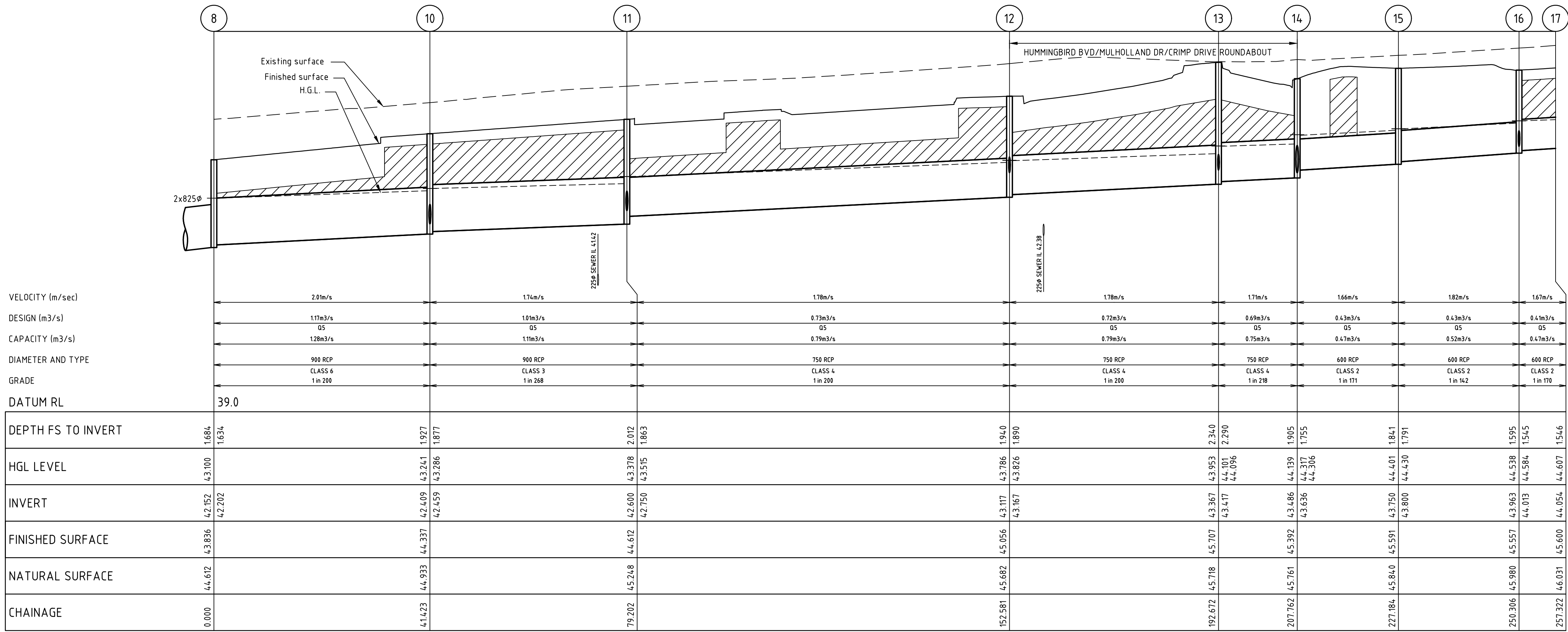
DATE JUN'19

SHEET 12 OF 18

F

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.

AS CONSTRUCTED



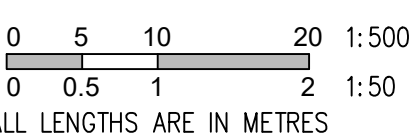
AS CONSTRUCTED

DRAINAGE LONGITUDINAL SECTIONS

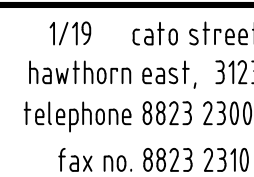
SCALE: H 1:500, V 1:50

NOTE:

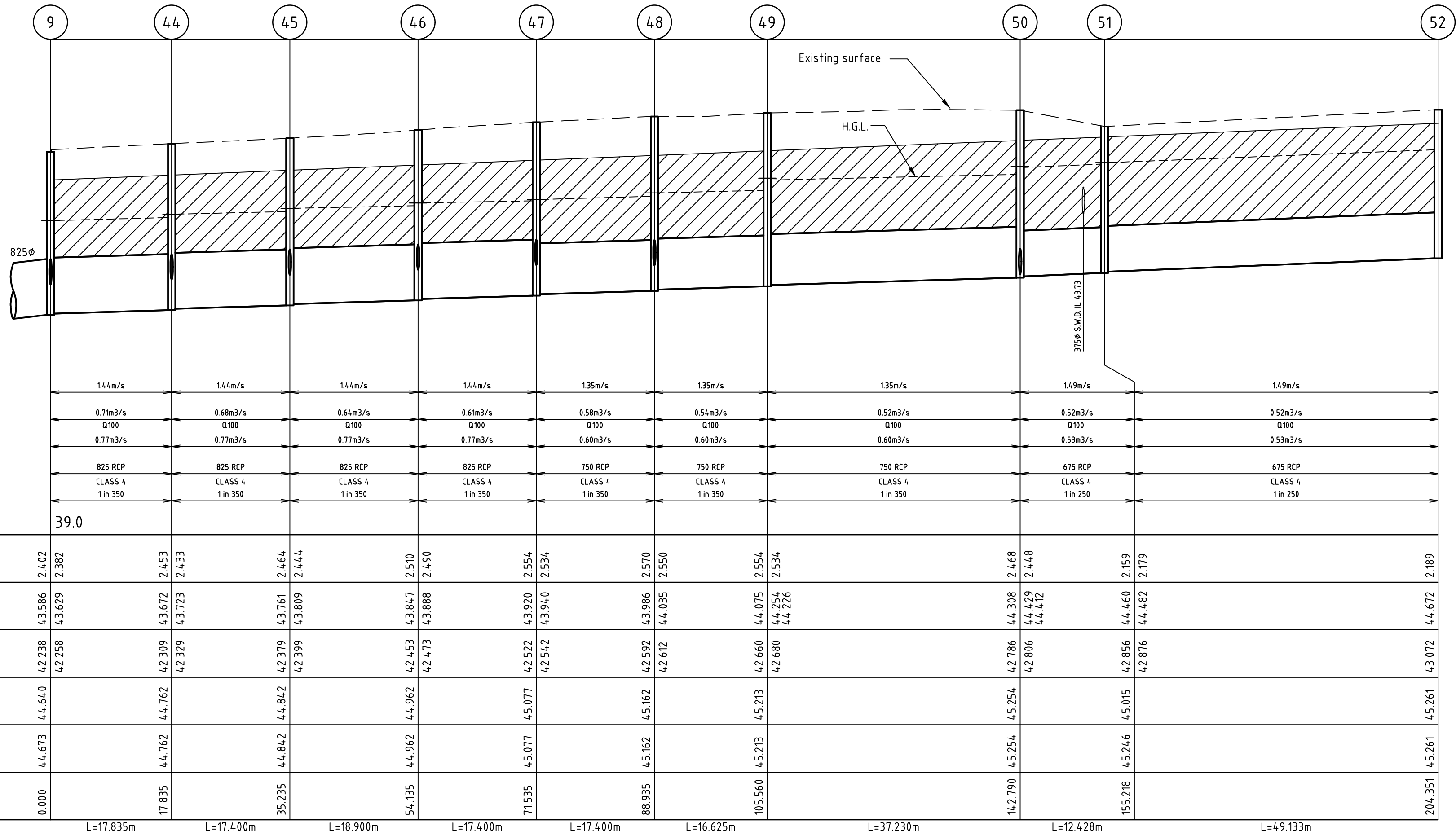
CRUSHED ROCK BACKFILL



Council Ref No. -		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MUNICIPALITY WYNDHAM		REFERENCE 8554 E/11		MUNICIPALITY WYNDHAM	
AMENDMENTS		MELWAY REF. 234 G-2		RIVERDALE VILLAGE STAGE 11 DRAINAGE LONGITUDINAL SECTIONS SHEET 1 OF 2	
D 11-06-19 STREET NAME CHANGED		SURVEY BPD		SCALE AS SHOWN	
C 01-03-19 SHEET NUMBERING UPDATE		DESIGN M.A.		DATUM AHD	
B 19-03-18 PIPE LEGS 12-13-14 & 21-22 AMENDED		DRAWN M.A.		DATE JUN'19	
A 24-01-18 ISSUED FOR CONSTRUCTION		CHECKED		SHEET 13 OF 18	
VER DATE REMARKS				D	





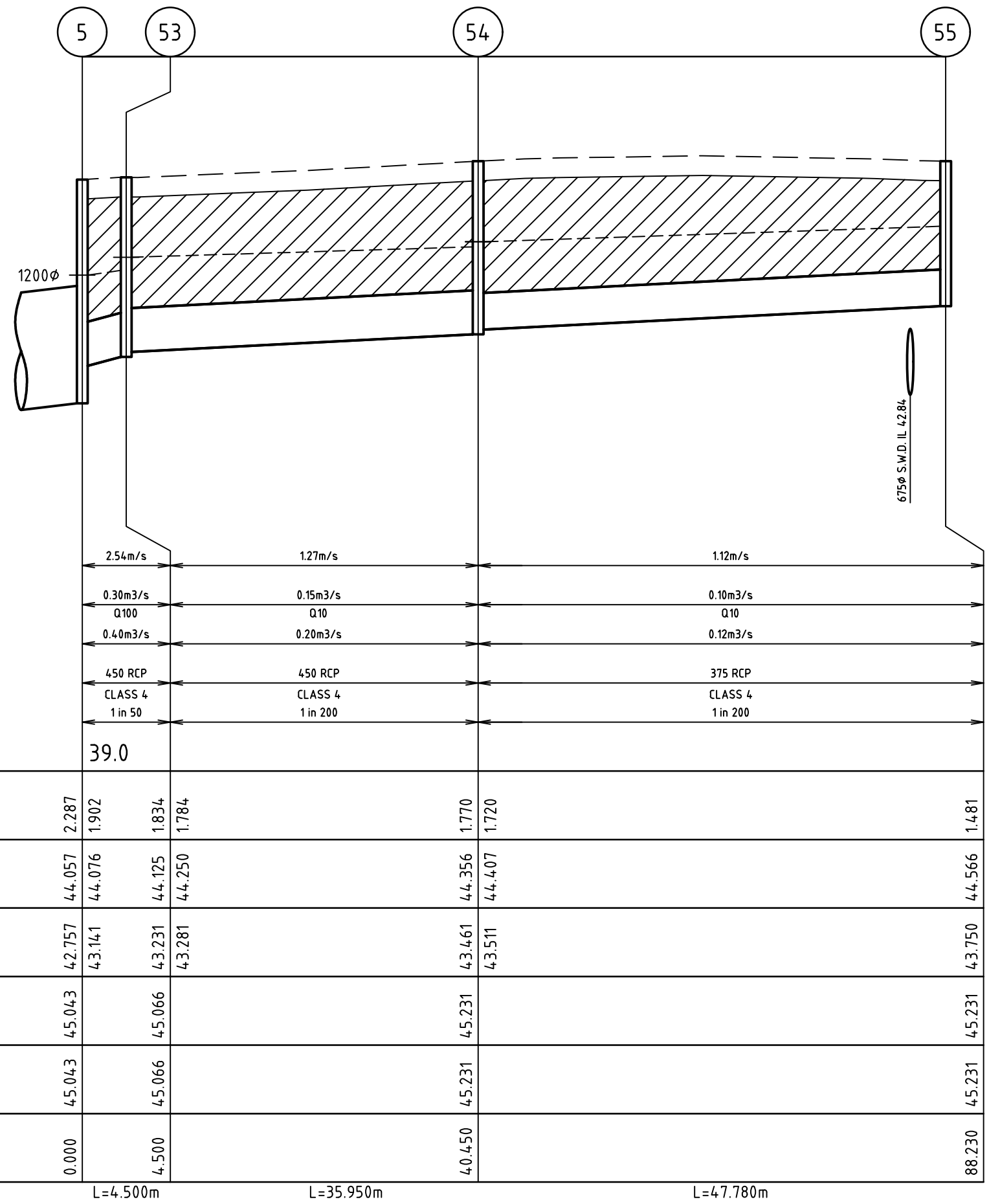


LOCAL TOWN CENTRE DRAINAGE LONGITUDINAL SECTIONS

SCALE: H 1:500, V 1:50

LOCAL TOWN CENTRE DRAINAGE PIT SCHEDULE

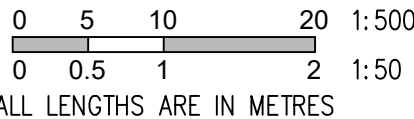
PIT		INTERNAL		INLET		OUTLET		PIT		
PIT No	TYPE	WD	LEN	DIA	INV LEV	DIA	INV LEV	FINISHED COVER RL	DEPTH	REMARKS
9	Junction Pit	900	1050	825	42.258	825	42.238	44.640	2.402	EDCM 607, To be converted in future to Grated Pit with Class D Heavy Duty Grate, Provide 375 dia. stub in West Wall IL42.690
44	Junction Pit	900	1050	825	42.329	825	42.309	44.762	2.453	EDCM 607, To be converted in future to Grated Pit with Class D Heavy Duty Grate, Provide 375 dia. stub in West Wall IL42.760
45	Junction Pit	900	1050	825	42.399	825	42.379	44.842	2.464	EDCM 607, To be converted in future to Grated Pit with Class D Heavy Duty Grate, Provide 375 dia. stub in West Wall IL42.830
46	Junction Pit	900	1050	825	42.473	825	42.453	44.962	2.510	EDCM 607, To be converted in future to Grated Pit with Class D Heavy Duty Grate, Provide 375 dia. stub in West Wall IL42.900
47	Junction Pit	900	1050	750	42.542	825	42.522	45.077	2.554	EDCM 607, To be converted in future to Grated Pit with Class D Heavy Duty Grate, Provide 375 dia. stub in West Wall IL42.970
48	Junction Pit	900	1050	750	42.612	750	42.592	45.162	2.570	EDCM 607, To be converted in future to Grated Pit with Class D Heavy Duty Grate, Provide 375 dia. stub in West Wall IL42.970
49	Junction Pit	1050	1050	750	42.680	750	42.660	45.213	2.554	EDCM 607, To be converted in future to Grated Pit with Class D Heavy Duty Grate
50	Junction Pit	1050	1050	675	42.806	750	42.786	45.254	2.468	EDCM 607, To be converted in future to Grated Pit with Class D Heavy Duty Grate, Provide 375 dia. stub in West Wall IL42.840
51	Junction Pit	900	900	675	42.876	675	42.856	45.015	2.159	EDCM 607, To be converted in future to Grated Pit with Class D Heavy Duty Grate
52	Double Junction Pit	900	1800			675	43.072	45.261	2.189	EDCM 607, To be converted in future to Grated Pit with Class D Heavy Duty Grate



DRAINAGE LONGITUDINAL SECTIONS

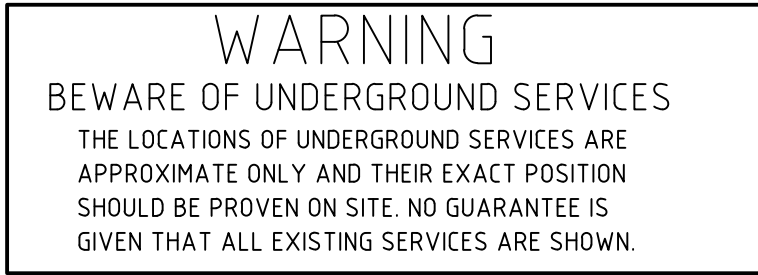
SCALE: H 1:500, V 1:50

AS CONSTRUCTED





NOTE:
CRUSHED ROCK BACKFILL

Council Ref No.:-		breese pitt dixon pty. ltd. land surveyors civil engineers		1/19 cato street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
MELWAY REF. 234 G-2		SURVEY BPD		MUNICIPALITY WYNDHAM	
B 01-03-19 AMMENDED PIT 51 LONG SECTION, PIT SCHEDULE & SHEET NO.		DESIGN M.A.		REFERENCE 8554 E/11	
A 24-01-18 ISSUED FOR CONSTRUCTION		DRAWN M.A.		SHEET 16 OF 18	
VER DATE REMARKS		CHECKED		SCALE AS SHOWN DATUM AHD DATE SEP '17	




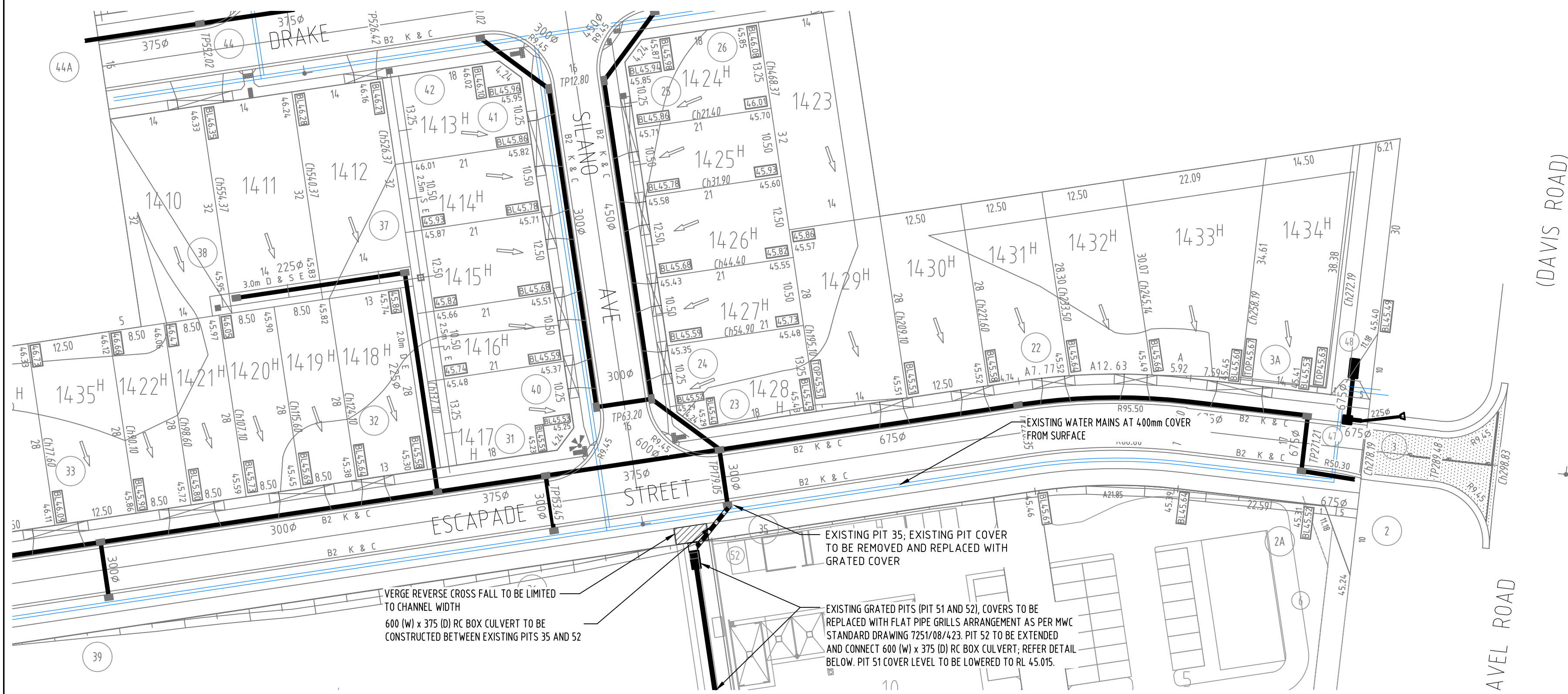
0 5 10 20 1:500
ALL LENGTHS ARE IN METRES

Drains
Sewer < 300
Sewer > 300
Potable Water
Recycled Water
House Drain
Property Inlet
Street Sign
PSM
Retaining Wall
Conduits 50mm
Conduits 100mm
Ex Gas/Elect/Tel

Exist Surface Level	+ 28.57	
Prop Surface Level	+ F528.57	
Prop Top Batter Level	+ T828.57	
Prop Toe Batter Level	+ T0628.57	
Prop Top Retaining Wall Level	+ TW28.57	
Fill > 150mm		
Cut > 150mm		

AMENDMENTS		
D	11-06-19	STREET NAME CHANGED
C	01-03-19	SHEET NUMBERING UPDATE
B	19-03-18	ADDITIONAL LOT ADDED TO TERRACE LOTS
A	24-01-18	ISSUED FOR CONSTRUCTION
VER	DATE	REMARKS

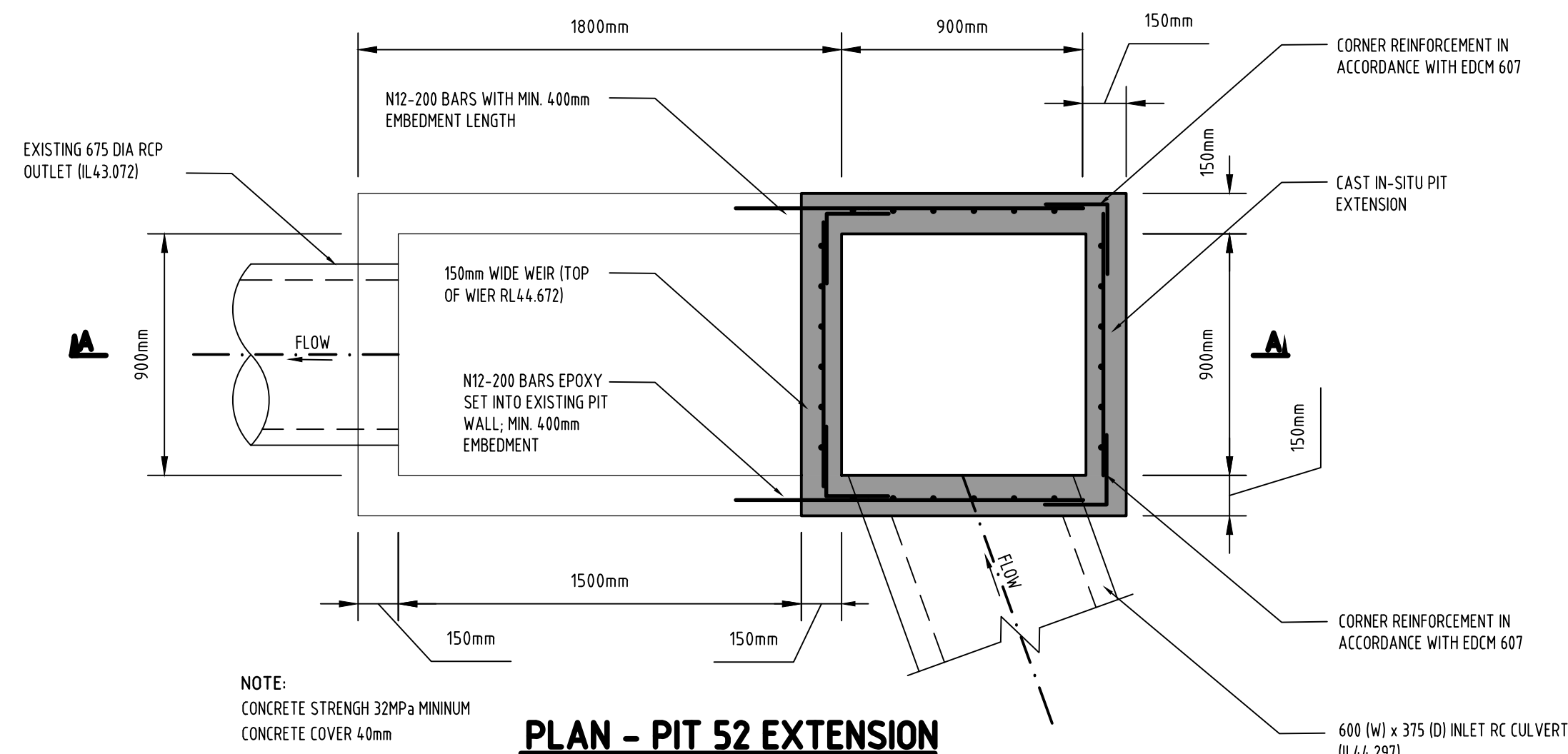
	breese pitt dixon pty. ltd. land surveyors civil engineers				1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310	
	MELWAY REF. 234 G-2		RIVERDALE VILLAGE STAGE 11 SIGNAGE & LINEMARKING PLAN		MUNICIPALITY WYNDHAM	
	SURVEY BPD				REFERENCE	
	DESIGN M.A.				8554 E/11	
DRAWN M.A.						
CHECKED	SCALE AS SHOWN	DATUM AHD	DATE JUN'19	SHEET 17	OF 18	D



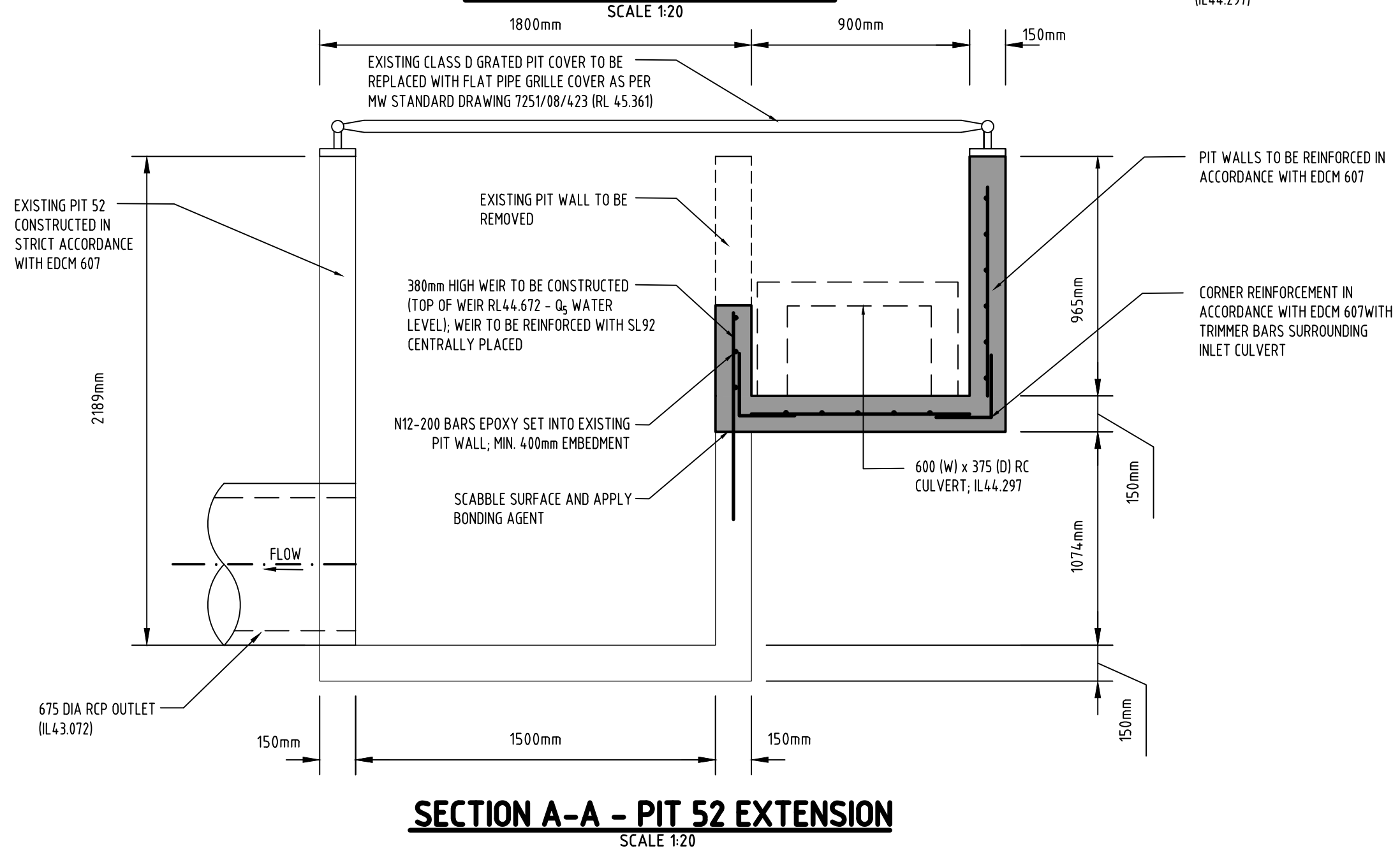
LAYOUT PLAN
SCALE 1:500

LEGEND

- EXISTING SW PIPE
- EXISTING DW/NDW MAIN
- PROPOSED RC BOX CULVERT



PLAN - PIT 52 EXTENSION
SCALE 1:20



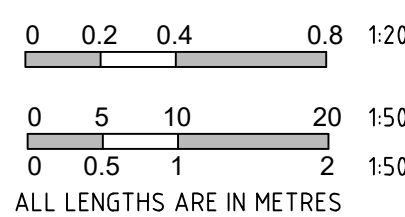
SECTION A-A - PIT 52 EXTENSION
SCALE 1:20

DIMENSIONS AND TYPE

GRADE	
DATUM RL	4.0.0
DEPTH FS TO INVERT	2.889 0.965 1.114 1.217
HGL LEVEL	44.672 44.672 44.672 44.672
INVERT	43.072 44.297 44.401 43.998
FINISHED SURFACE	45.261 45.215 45.215 45.228
NATURAL SURFACE	45.261 45.228 45.228 45.228
CHAINAGE	0.000 8.354

LONGITUDINAL SECTION

SCALE 1:500 H | 1:50 V



AS CONSTRUCTED

Council Ref No.-				1/19 calo street hawthorn east, 3123 telephone 8823 2300 fax no. 8823 2310			
				breese pitt dixon pty. ltd. land surveyors civil engineers			
				MELWAY REF. 234 G-2			
				SURVEY BPD			
				DESIGN P.M.			
				DRAWN P.M.			
				CHECKED C.H.			
				SCALE AS SHOWN			
				DATUM AHD			
				DATE FEB '19			
				SHEET 18 OF 18			
				C			