

Our Reference: 7038012

23 April 2021



John Beveridge
Dennis Price & Miller
22 Business Park Drive
Notting Hill VIC 3168

Dear John,

PA2015/4832 Modeina Estate Stage 21 – Engineering Plans – Approval

The above mentioned plans, received by Council on 20 April 2021, are approved. Please find attached the approved stamped road and drainage plans.

Council believes the list below represents the latest plan submission:

Drawing No.	Sheet	Revision
1275/21/NE	1-19	P2

The approval is subject to compliance of all statutory and legal obligations and granted with the understanding that the engineering consultant, developer and land owner take full responsibility for the design contained in the approved engineering plans.

Please note the following:

- The approval of these plans is valid for one year. Where construction does not commence within that time, the plans must be resubmitted to Council for assessment using applicable engineering standards at the time of resubmission. New plan checking fees will also be applicable.
- No construction works can commence outside the development's property boundaries unless or until consent is provided by the adjoining land owner.
- A 'Consent to Work Within a Road Reserve' must be applied for. The form is available on Melton Council's website link.
<https://www.melton.vic.gov.au/Services/Building-Planning-Transport/Engineering/Engineering-applications>
- A Traffic Management Plan must be submitted where works will occur on existing roads, and where the works are traffic impact works, it must be approved by Council's Traffic team before works commence. The form is available on Melton Council's website link
<https://www.melton.vic.gov.au/Services/Building-Planning-Transport/Engineering/Engineering-applications>
- Construction works must not commence on site until all relevant planning permit conditions have been satisfied. Email queries to planningsupport@melton.vic.gov.au
T: 03 9747 7200.

All Service Authority plans must be approved by the responsible authorities prior to the subbase of the road pavement being constructed. Included plans are:

- Water main reticulation plans including the location and capacity (pressure and flow) of fire hydrants and hydrant mains;
- Sewer main reticulation plans;
- Recycled water reticulation plans (where applicable);
- Public Lighting plans, utilising Public Lighting Guidelines and form on www.melton.vic.gov.au/Infrastructure-Planning; and
- Other relevant service plans, as applicable.

The above plans must be submitted in PDF format (one email per type of plan) to serviceauthority@melton.vic.gov.au

- If required as part of the planning permit conditions for the above mentioned project, Construction Environmental Management plans (CEMP) must be submitted to Council *prior* to requesting a Civil Works pre-commencement meeting. Please note that plans should:
 - Include Planning Permit Application and Planning Permit Condition # - PAXXXX/XXXX
 - Adhere to requirements of endorsed planning permit conditions.
 - Be simply presented and easy to understand.
 - Include an overall site context plan which shows where the site is located
E.g. roads labelled
 - Address all relevant environmental risks of the works.
 - Include haulage route.
 - **Include statements:**
 - A water truck will be available for dust suppression on site *at all times* and at the direction of the Council Construction Supervisor.
 - Working hours will be 7.00am or sunrise, whichever is the latter to 5.00pm week days.
 - Exclude any reference to use of straw bales, as not best practice.
 - Be In PDF format (to appropriate scale) from original document.
Note: do not scan document into PDF, as can be illegible.

Please submit CEMP with relevant information to Email: emp@melton.vic.gov.au

- A Pre-commencement Meeting Application must be emailed to Council to request approval to start work via Email: construction@melton.vic.gov.au
- As Constructed (As Con) plans must be received by Council prior to requesting a Practical Completion (PC) Inspection. To proceed, submit a PC Application form to Email: construction@melton.vic.gov.au

- Where required by planning permit conditions, A-SPEC digital data should be submitted and *verified* as correct by Council's Asset Management/GIS team prior to the Statement of Compliance (SOC) being issued. Submit A-Spec data to Email: assetspecs@melton.vic.gov.au

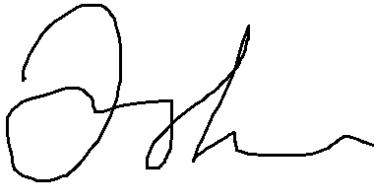
All correspondence submitted to Council must include a covering letter detailing:

- ✓ Full business name, address, contact name, email and telephone number for responses;
- ✓ Planning Application Number (PAXXXX/XXXX);
- ✓ Estate name and Stage # or Project Name and address;
- ✓ Description of submission (E.g. Construction Environmental Management Plan) and any changes/ response to prior Council correspondence;

Submissions should follow processes outlined above and utilise forms on website www.melton.vic.gov.au/Infrastructure-Planning unless another web link is listed.

Should you have any queries, please contact me at Email: pengh@melton.vic.gov.au or T: 03 9747 7200.

Regards,

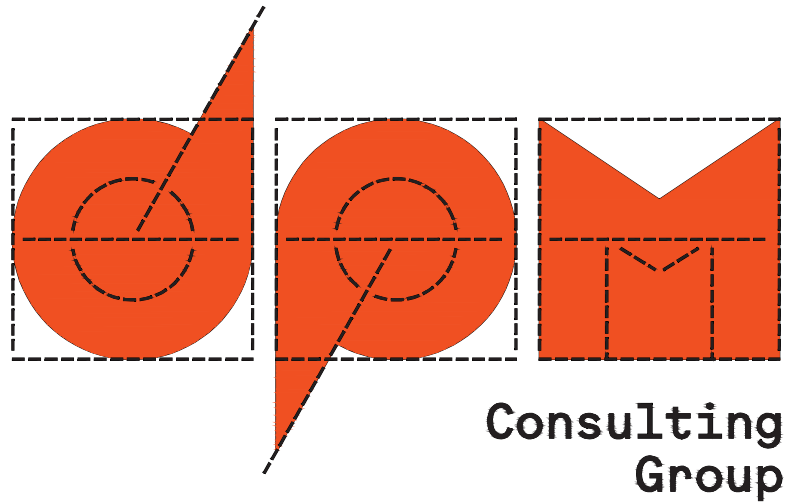
A handwritten signature in black ink, appearing to be 'Peng Hua', with a stylized, flowing script.

PENG HUA

DEVELOPMENT ENGINEER

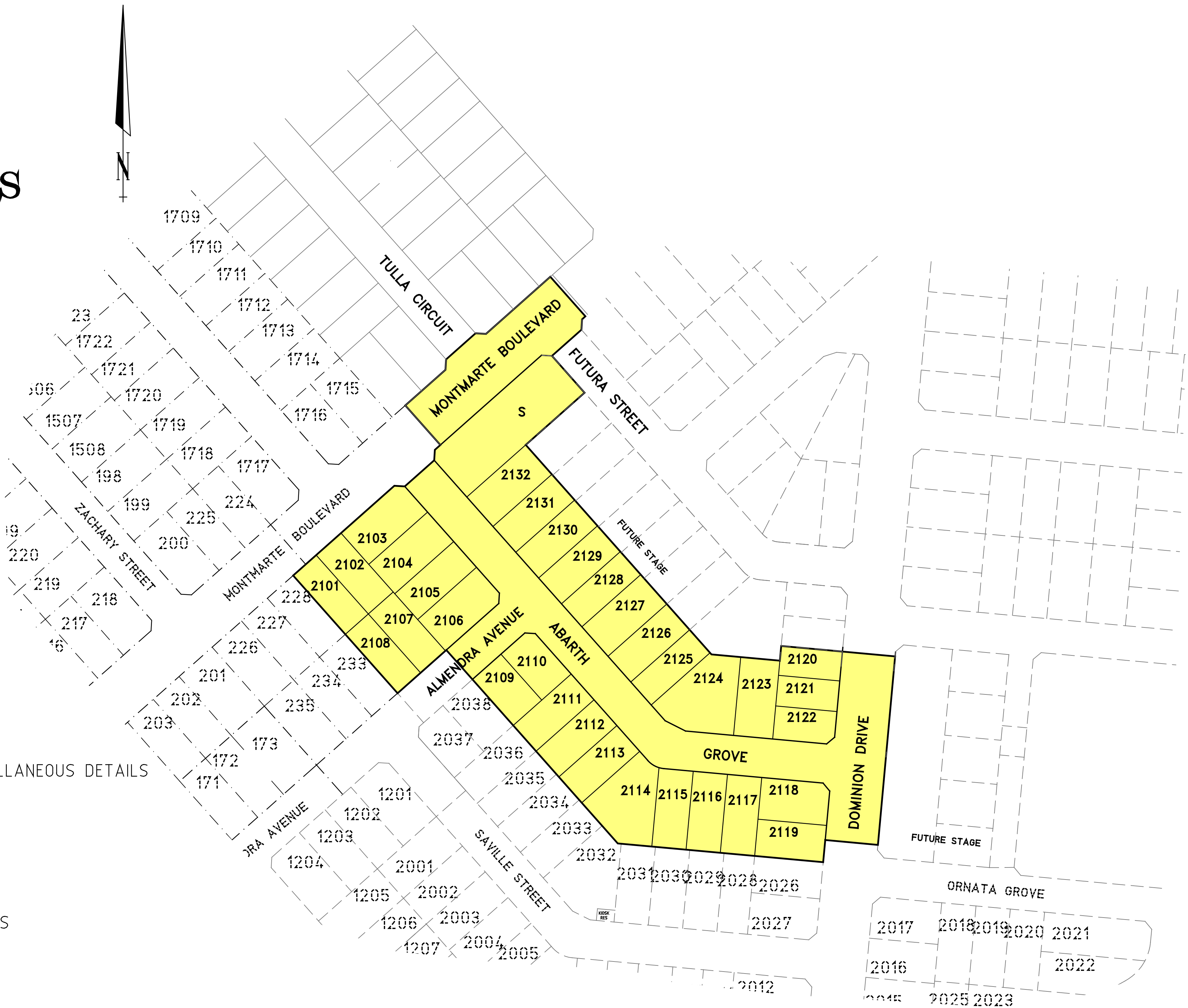
MODEINA
STAGE 21
ROADS & DRAINAGE PLANS
CITY OF MELTON

22 Business Park Drive Notting Hill 3168
A.C.N. 006 550 803
E: consulting@dpmvic.com.au
W: www.dpmvic.com.au
T: (03) 9538 5000



DRAWING INDEX

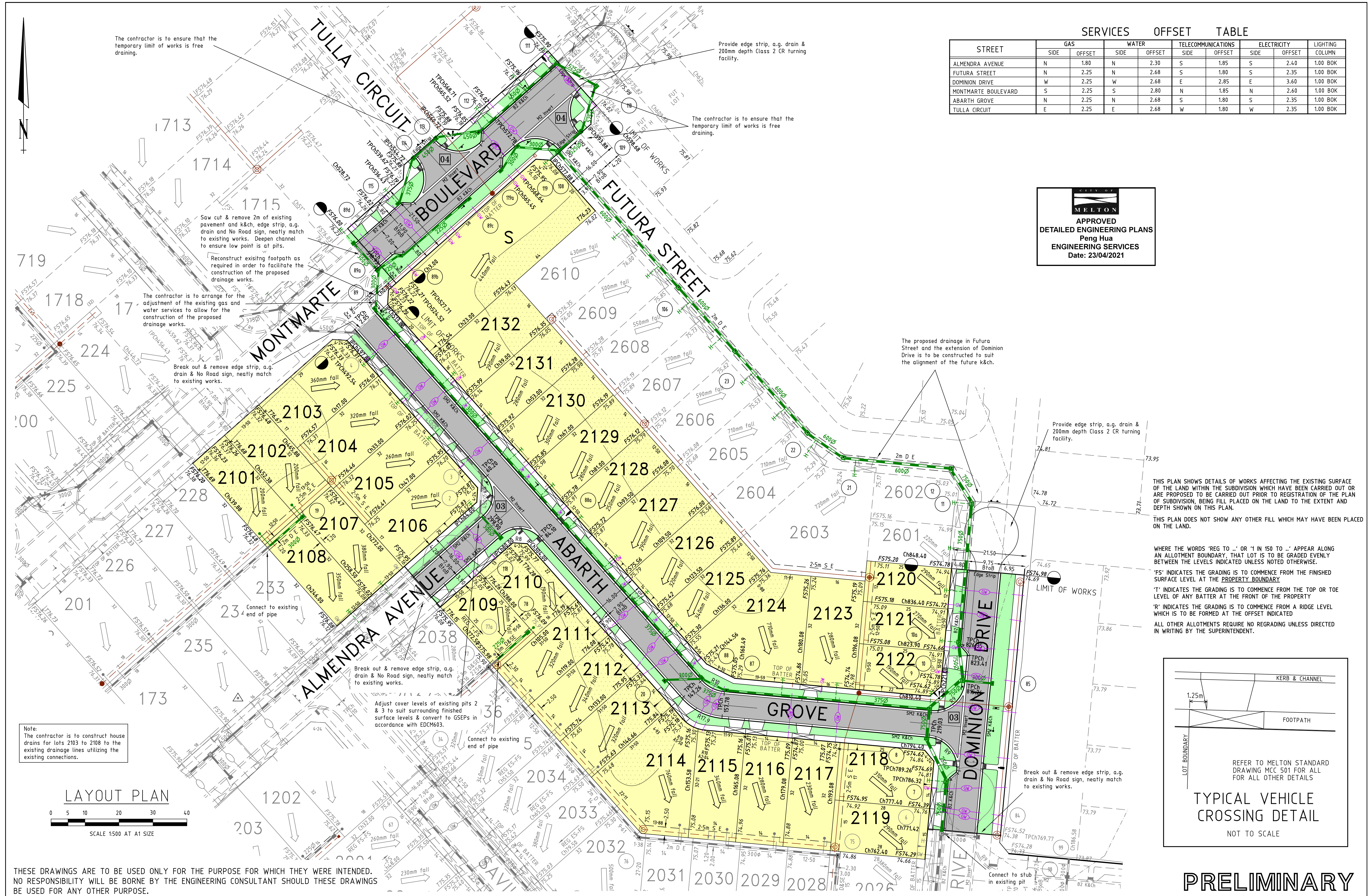
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APPROVED
DETAILED ENGINEERING PLANS
Peng Hua
ENGINEERING SERVICES
Date: 23/04/2021

PRELIMINARY

DRAWING No. 1275/21/NE/1
MELWAYS REF. 25 A1



SERVICES OFFSET TABLE

STREET	GAS		WATER		TELECOMMUNICATIONS		ELECTRICITY		LIGHTING
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	
ALMENDRA AVENUE	N	1.80	N	2.30	S	1.85	S	2.40	1.00 BOK
FUTURA STREET	N	2.25	N	2.68	S	1.80	S	2.35	1.00 BOK
DOMINION DRIVE	W	2.25	W	2.68	E	2.85	E	3.60	1.00 BOK
MONTMARTE BOULEVARD	S	2.25	S	2.80	N	1.85	N	2.60	1.00 BOK
ABARTH GROVE	N	2.25	N	2.68	S	1.80	S	2.35	1.00 BOK
TULLA CIRCUIT	E	2.25	E	2.68	W	1.80	W	2.35	1.00 BOK

**APPROVED
DETAILED ENGINEERING PLANS**
Peng Hua
ENGINEERING SERVICES
Date: 23/04/2021

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22 Business Park Drive Notting Hill 3168
A.C.N. 006 550 803
E: consulting@dpmvic.com.au
W: www.dpmvic.com.au
T: (03) 9538 5000



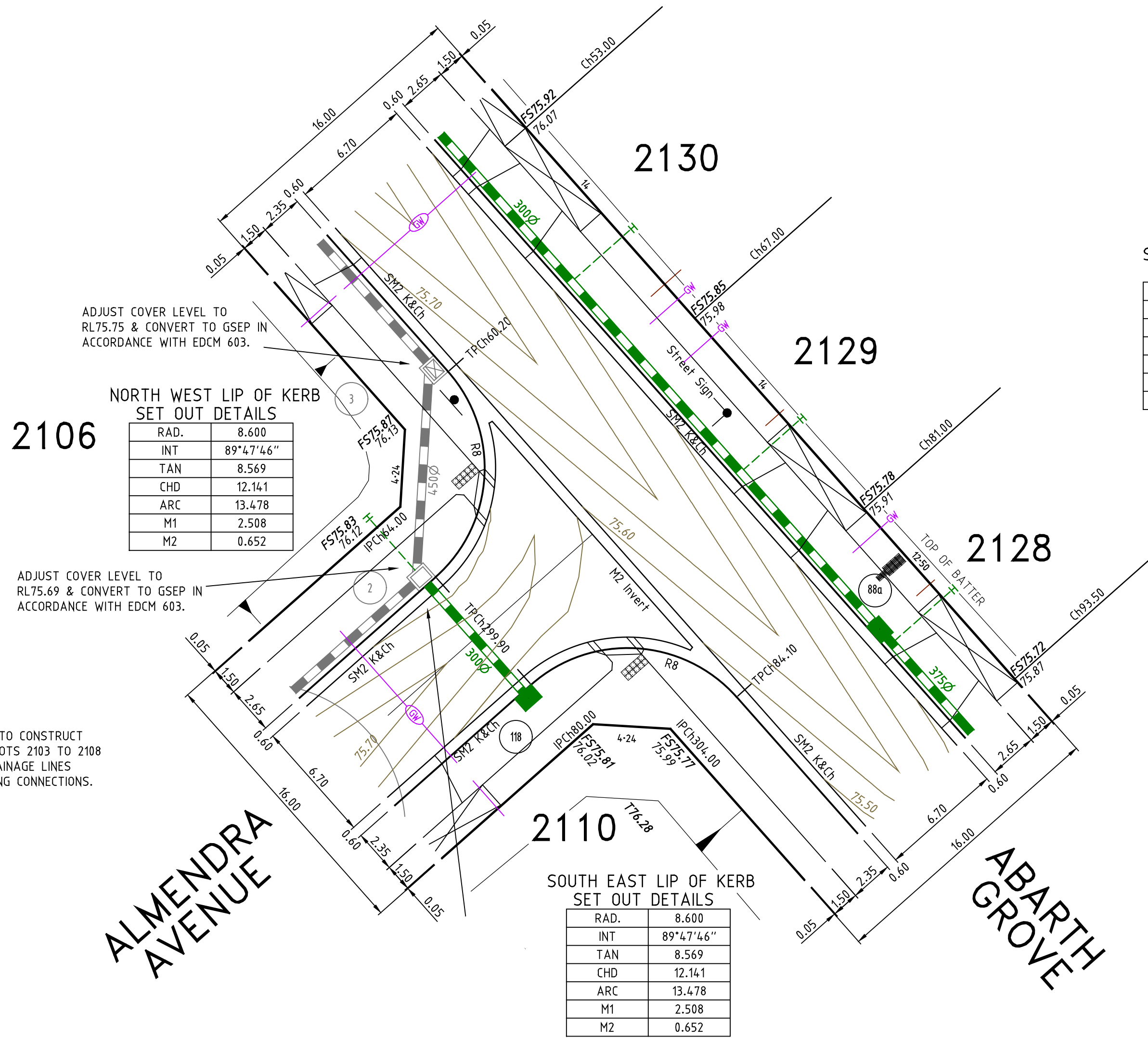
DRAWN: J.BEVERIDGE
DESIGNED: J.BEVERIDGE
CHECKED: ----
AUTHORISED: ----
DATE: ----

AUTHORITY: CITY OF MELTON
PROJECT: MODEINA
STAGE 21
DETAILS: ROADS & DRAINAGE PLANS
LAYOUT PLAN & SERVICES OFFSET TABLE

SCALE 1:500
LEVEL DATUM AHD
SHEET 1 OF 19
DRAWING No. 1275/21/NE/2
REV. P2

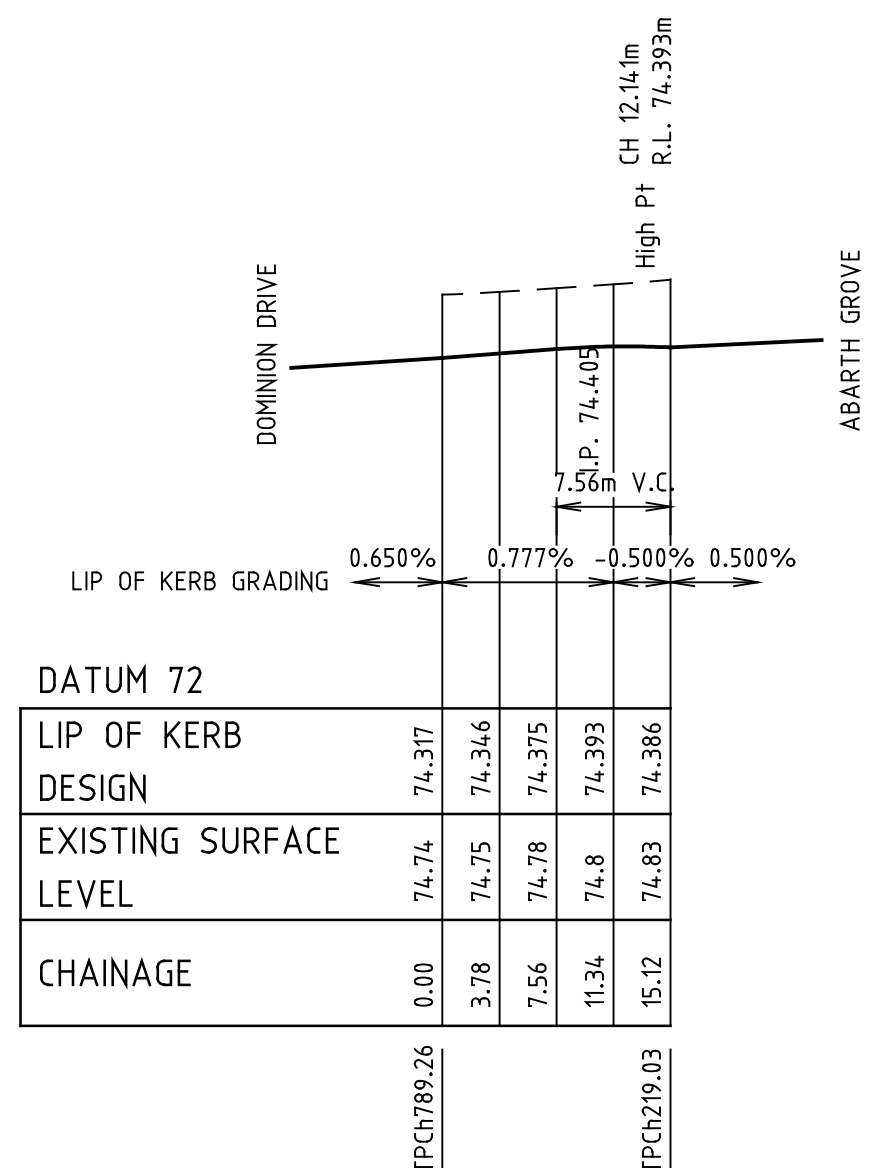
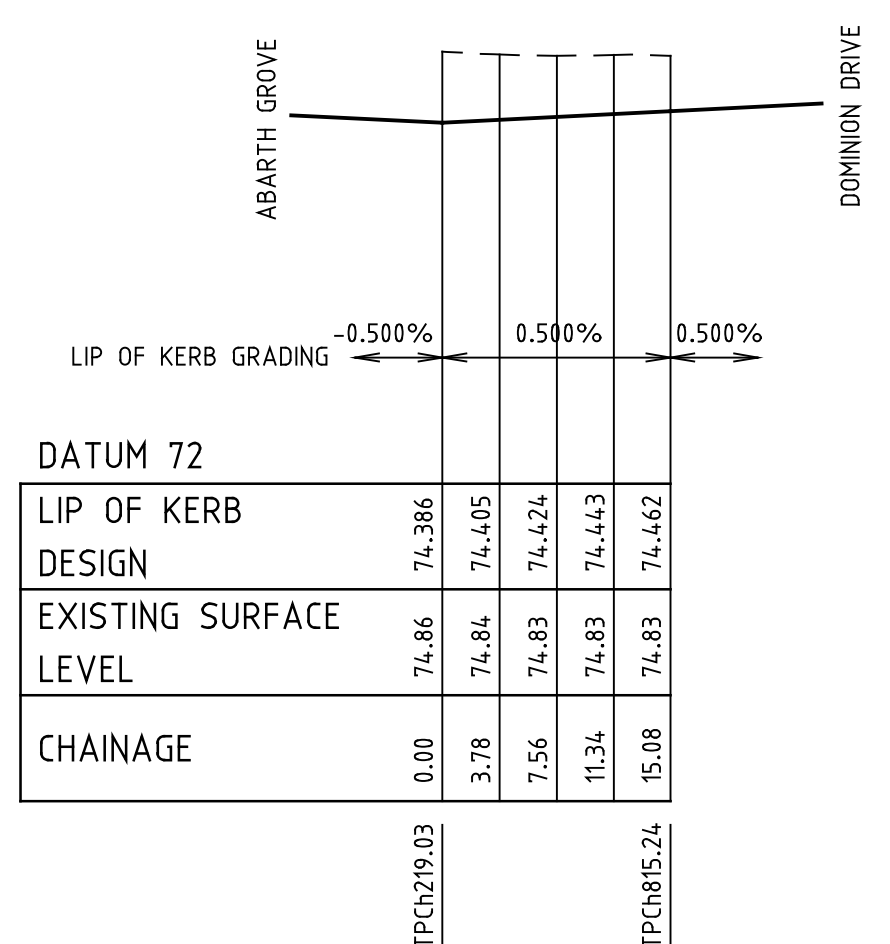
NORTH WEST LIP OF KERB
LONGITUDINAL SECTION

SOUTH EAST LIP OF KERB
LONGITUDINAL SECTION

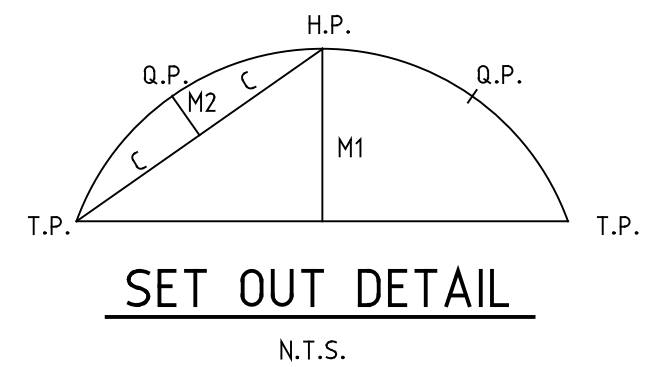


NORTH LIP OF KERB SET OUT DETAILS	
RAD.	9.600
INT	90°0'0"
TAN	9.600
CHD	13.576
ARC	15.080
M1	2.812
M2	0.731

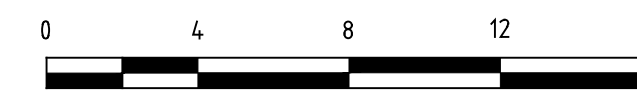
SOUTH LIP OF KERB SET OUT DETAILS	
RAD.	9.600
INT	90°13'2"
TAN	9.636
CHD	13.602
ARC	15.116
M1	2.825
M2	0.734



SOUTH LIP OF KERB
LONGITUDINAL SECTION



INTERSECTION DETAILS



SCALE 1:200 AT A1 SIZE

[illegible]

TULLA CIRCUIT		MONTMARTE BOULEVARD	
		IP. 75.656	IP. 75.822
		7.54m	V.C. 75.54m
		V.C.	V.C.
LIP OF KERB GRADING		-0.497%	-0.498%
DATUM 72			
LIP OF KERB DESIGN		75.637	75.841
EXISTING SURFACE LEVEL		76.21	76.24
CHAINAGE		0.00	15.08
	TPC02.05		TPC0539.62

WEST LIP OF KERB
LONGITUDINAL SECTION

TULLA CIRCUIT		MONTMARTE BOULEVARD	
		IP. 75.656	IP. 75.785
		7.54m	V.C. 75.54m
		V.C.	V.C.
LIP OF KERB GRADING		-0.500%	-0.500%
DATUM 72			
LIP OF KERB DESIGN		75.637	75.804
EXISTING SURFACE LEVEL		76.21	76.16
CHAINAGE		0.00	15.08
	TPC02.05		TPC0565.52

EAST LIP OF KERB
LONGITUDINAL SECTION

EAST LIP OF KERB SET OUT DETAILS	
RAD.	9.600
INT	89°55'32"
TAN	9.588
CHD	13.568
ARC	15.067
M1	2.807
M2	0.730

EAST LIP OF KERB SET OUT DETAILS	
RAD.	9.600
INT	89°55'31"
TAN	9.587
CHD	13.568
ARC	15.067
M1	2.807
M2	0.730

WEST LIP OF KERB SET OUT DETAILS	
RAD.	9.600
INT	89°55'32"
TAN	9.588
CHD	13.568
ARC	15.067
M1	2.807
M2	0.730

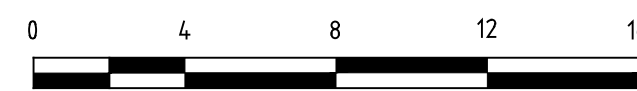
WEST LIP OF KERB SET OUT DETAILS	
RAD.	9.600
INT	89°55'30"
TAN	9.587
CHD	13.568
ARC	15.067
M1	2.807
M2	0.730

FUTURA STREET		MONTMARTE BOULEVARD		FUTURA STREET	
		IP. 75.696			
		7.54m			
		V.C.			
LIP OF KERB GRADING		-0.564%	-0.564%	LIP OF KERB GRADING	
DATUM 73				DATUM 73	
LIP OF KERB DESIGN		75.673	75.673	LIP OF KERB DESIGN	
EXISTING SURFACE LEVEL		75.67	75.67	EXISTING SURFACE LEVEL	
CHAINAGE		0.00	15.08	CHAINAGE	
	TPC02.05		TPC0572.78		TPC02.05

WEST LIP OF KERB
LONGITUDINAL SECTION

EAST LIP OF KERB
LONGITUDINAL SECTION

INTERSECTION DETAILS

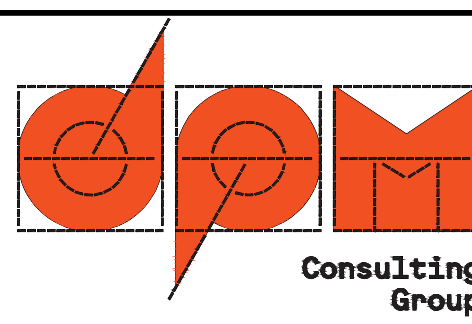


SCALE 1:200 AT A1 SIZE

PRELIMINARY

REV.	REVISION	DATE	APPD.	LEGEND
P2	COUNCIL REQUIREMENTS	31.3.21	J.B.	GAS MAIN
P1	PRELIMINARY ISSUE	9/12/20	J.B.	WATER MAIN
				RECYCLED WATER MAIN
				ELECTRICITY CABLE
				TELECOMMUNICATIONS CABLE
				WATER CONDUIT
				GAS CONDUIT
				RECYCLED WATER CONDUIT
				COMBINED SERVICES CONDUIT
				T.B.W.
				P.S.M.
				HOUSE DRAIN PROPOSED/EX.
				PROPERTY INLET, DRAINAGE PITS
				EX./FUT. INLET, DRAINAGE PITS
				DRAINAGE PIT STAGE/NUMBER
				SEWER LINE AND STRUCTURES
				EX./FUT. SEWER LINE AND STRUCTURES
				KERB AND CHANNEL
				EX./FUT. KERB AND CHANNEL
				KERB TO BE REMOVED OFFSITE
				STREET SIGN

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W: www.dpmvic.com.au
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DRAWN:	J.BEVERIDGE
DESIGNED:	J.BEVERIDGE
CHECKED:	----
AUTHORISED:	----
DATE:	----

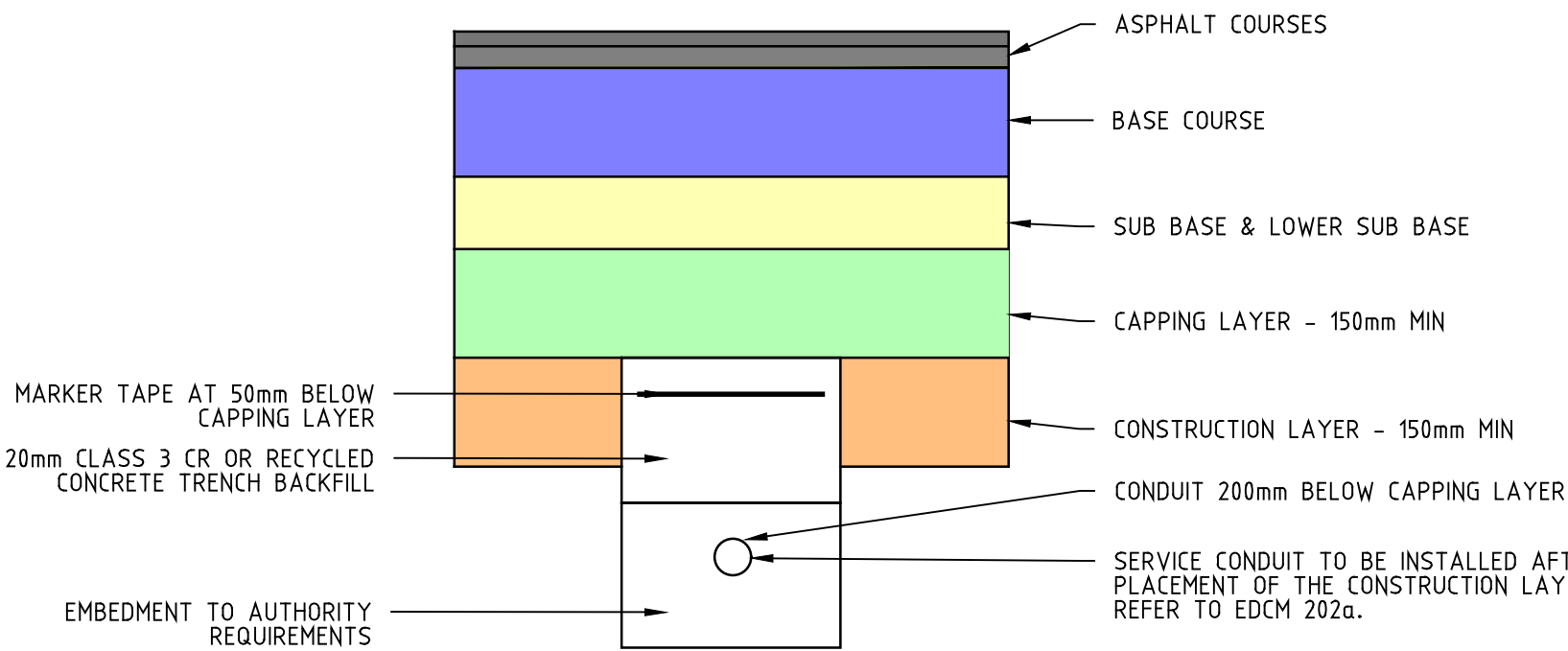
AUTHORITY:	CITY OF MELTON
PROJECT:	MODEINA STAGE 21
DETAILS:	INTERSECTION DETAILS - SHEET 2 OF 2

SCALE	1:200
LEVEL DATUM	AHD
SHEET	4 OF 19
DRAWING No.	1275/21/NE/4
REV.	P2

GENERAL NOTES

1. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE GROWTH AREAS AUTHORITY (G.A.A.) ENGINEERING DESIGN AND CONSTRUCTION MANUAL FOR SUBDIVISION IN GROWTH AREAS (APRIL 2011) AND TO THE SATISFACTION OF THE CITY OF MELTON'S CHIEF EXECUTIVE OFFICE OR HIS/HER NOMINATED REPRESENTATIVE. COUNCIL'S SENIOR SUBDIVISION APPROVALS ENGINEER IS TO BE NOTIFIED IN WRITING, SEVEN (7) DAYS PRIOR TO THE COMMENCEMENT OF WORKS.
2. THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR SEVEN DAYS PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
3. CHAINAGES REFER TO CENTRELINE OF ROAD RESERVE UNLESS INDICATED OTHERWISE.
4. THE NATURE STRIPS AND CUT OR FILLED AREAS ON ALLOTMENTS ARE TO BE TOPSOILED WITH 100mm OF APPROVED MATERIAL. IF THE STRIPPED MATERIAL ON SITE IS NOT SUITABLE, THE TOPSOIL SHALL BE IMPORTED AT THE CONTRACTOR'S EXPENSE.
5. ALL ALLOTMENTS SHALL BE SMOOTHED, GRADED AND SHAPED TO AN EVEN SURFACE WITH A MINIMUM FALL OF 1 in 150 TO THE DRAINAGE OUTLET SHOWN.
6. ALL EASEMENT DRAINS ARE TO BE OFFSET 1.00m FROM PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN.
7. ALL DRAINAGE PIPES UNDER ROAD PAVEMENTS, FOOTPATHS OR DRIVEWAYS, ETC. SHALL BE BACKFILLED WITH FINE CRUSHED ROCK IN ACCORDANCE WITH THE CITY OF MELTON ROAD & DRAINAGE SPECIFICATION.
8. UPON COMPLETION OF CONSTRUCTION THE WHOLE SITE SHALL BE CLEANED UP, GRADED AND ALL RUBBISH REMOVED AND LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT.
9. TELECOMMUNICATIONS CONDUITS WILL BE SUPPLIED AND LAID BY OTHERS AND THE TRENCHES EXCAVATED AND BACKFILLED BY THE CONTRACTOR. THE CONTRACTOR SHALL GIVE THE TELECOMMUNICATIONS AREA ENGINEER 7 DAYS NOTICE PRIOR TO COMMENCING TRENCHING WORK.
10. TRENCHING FOR UNDERGROUND ELECTRICAL CABLES, SUPPLY AND INSTALLATION OF CONDUITS, AND SUPPLY AND PLACEMENT OF BACKFILL IS TO BE UNDERTAKEN BY THE CONTRACTOR UNDER THE SUPERVISION OF THE RELEVANT ELECTRICAL AUTHORITY.
11. THE CONTRACTOR SHALL CO-OPERATE WITH OTHER CONTRACTORS AND/OR AUTHORITIES AND SHALL ENSURE THAT ALL SERVICES ARE TO BE INSTALLED PRIOR TO THE FINAL PAVEMENT COURSE.
12. WHEN ROADWAYS ARE TRUNCATED AGAINST RISING LANDS PENDING DEVELOPMENT OF FUTURE STAGES, TEMPORARY A.G. DRAINS SHALL BE INSTALLED ACROSS THE END OF ROAD TO PREVENT SEEPAGE INTO THE PAVEMENT.
13. THE CONTRACTOR WHEN ENGAGED IN BLASTING OPERATION, SHALL NOT BLAST WITHIN 4.5m OF AN EXISTING LINE OF WATER, GAS OR SEWER PIPES OR WITHIN 15m OF ANY COMPLETED PART OF THE WORKS WITHOUT THE CONSENT OF THE SUPERINTENDENT.
14. PROPERTY INLETS AND HOUSE DRAINS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH E.D.C.M. STANDARD DRAWINGS 701, 702, 703 & 704. HOUSE DRAINS FOR ALLOTMENTS SHALL BE AT A SUFFICIENT DEPTH TO CONTROL DISCHARGE AT A MINIMUM OF 1 IN 100 FALL FROM ALL POINTS WITHIN THE PROPERTY AREA, AND SHALL BE CONNECTED TO UNDERGROUND DRAINS IN ROAD RESERVES WHERE POSSIBLE WITH 600mm MINIMUM COVER AT THE PROPERTY LINE. PROPERTY INLETS ARE TO BE A MINIMUM DEPTH OF 500mm BELOW FINISHED SURFACE LEVEL. HOUSE DRAINS ARE TO BE LOCATED 5.50m FROM THE LOW SIDE PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN.
15. ALL STORMWATER DRAINS SHALL BE R.C.P. CLASS 2 UNLESS OTHERWISE STATED. ALL PIPES LESS THAN OR EQUAL TO 925mm DIA ARE TO BE RUBBER RING JOINTED. ALL DRAINS BEHIND KERB & CHANNEL SHALL BE BACKFILLED WITH CLASS 3 C.R. (20mm NOM. SIZE). ALL DRAINS AND SEWERS BENEATH THE ROAD PAVEMENT AND CONCRETE FOOTPATHS, DRIVEWAYS OR ANY SEALED SURFACE AND KERB & CHANNEL SHALL BE BACKFILLED WITH 20mm NOM. SIZE CLASS 2 C.R. ALL BACKFILLING TO BE COMPACTED TO 95% MINIMUM DRY DENSITY.
16. BEFORE COMMENCING WORK ON DRAINS IN EXCESS OF 1.5 METRES DEEP A NOTICE OF SUCH A PROPOSAL IS TO BE SENT TO THE OCCUPATION HEALTH AND SAFETY AUTHORITY IN ACCORDANCE WITH CLAUSE 5.1.27 OF THE OCCUPATIONAL HEALTH & SAFETY REGULATIONS ACT 2007. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL SHORING, PLANKING AND STRUTTING, DEWATERING DEVICES, BARRICADES, SIGNS, LIGHTS, ETC. NECESSARY TO KEEP WORKS IN A SAFE STABLE CONDITION AND TO PROTECT THE PUBLIC FROM HAZARDS ASSOCIATED WITH THE WORKS. A FOREMAN QUALIFIED AS AN EVACUATION SUPERVISOR, MUST BE IN ATTENDANCE AT ALL TIMES DURING SUCH EXCAVATIONS.
17. BOTH KERBS ARE TO BE MARKED WITH THE LETTERS G, W, T, E AND H ABOVE THE SERVICE LOCATIONS AS SPECIFIED.
18. CUT BATTERS ARE NOT TO EXCEED 1 IN 6 AND FILL BATTERS ARE NOT TO EXCEED 1 IN 6 UNLESS INDICATED OTHERWISE. CUT BATTERS TO BE GRASSED, MULCHED WITH A MIXTURE OF CHOPPED GRASS, HAY, STRAW AND BITUMINOUS EMULSION TO THE SATISFACTION OF THE CITY OF MELTON SUPERVISING ENGINEER. CUT BATTERS WITHIN PROPERTIES ADJACENT TO VEHICLE CROSSINGS ARE NOT TO EXCEED 1in6.
19. DRIVEWAY & PRAM CROSSINGS SHOWN ON THESE PLANS ARE DIAGRAMMATIC ONLY. FOR PRAM CROSSING DETAILS REFER TO STD DRG EDM 403. FOR VEHICLE CROSSING DETAILS REFER TO CITY OF MELTON STD DRG MCC 501.
20. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.5 & THE CURRENT CITY OF MELTON REQUIREMENTS INCLUDING THE PROVISION OF LOGOS.
21. THE CONTRACTOR IS TO ENSURE THAT HIS CONSTRUCTION PROCEDURES AND STANDARDS CONTROL THE VOLUME AND LOCATION FOR COLLECTION OF SEDIMENT DISCHARGE ACCORDING TO CURRENT BEST PRACTICES.
22. OPTUS AND TELSTRA SERVICE CONDUITS ARE TO BE EXTENDED TO 1000mm INSIDE THE PROPERTY BOUNDARY, AND GAS AND WATER CONDUITS SHALL EXTEND 300mm PAST THE PROPERTY BOUNDARY WHERE FOOTPATHS ARE TO BE CONSTRUCTED. LOCATION OF CONDUITS IS TO BE MARKED ON FOOTPATHS. CONDUITS ARE TO BE 50mm HD PVC LAID AT A MIN. DEPTH OF 200mm BELOW PAVEMENT SUBGRADE.
23. ALL LINEMARKING TO BE WITH REFLECTORISED GLASS BEAD PAINT OF LONG LIFE TYPE. FOR LINE PATTERNS AND DIMENSIONS OF LONGITUDINAL AND TRAVERSE LINES REFER TO THE VIC ROADS TRAFFIC ENGINEERING MANUAL VOL. 2 (JULY 1986) TABLE 18-3.
24. THE CONTRACTOR IS TO BE RESPONSIBLE FOR ENSURING THAT SUFFICIENT WARNING SIGNS, LIGHTS AND BARRIERS ARE ERECTED AND MAINTAINED DURING THE PROGRESS OF WORK. SIGNS, MARKINGS AND DELINEATORS SHOULD BE ERECTED IN ACCORDANCE WITH AS1742-1,2,3 1986, WHICH COMPLIES WITH THE VIC ROADS ROADWORKS SIGNAGE CODE OF PRACTICE.
25. THE CONTRACTOR IS TO INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKERS ON THE ROAD CENTRELINE AND MARKER POSTS TO INDICATE THE LOCATION OF THE FIREPLUGS.
26. ANY FOOTPATHS OR KERB AND CHANNEL DAMAGED DURING CONSTRUCTION AND MAINTENANCE PERIODS TO BE REINSTATED TO THE SATISFACTION OF THE CITY OF MELTON.
27. REMOVAL OR RETENTION OF EXISTING TREES OR VEGETATION MUST BE IN ACCORDANCE WITH THE APPROVED TREE RETENTION PLAN. NO MATERIAL IS TO BE BURNT ON SITE UNLESS AUTHORISED BY THE SUPERINTENDENT.
28. EARTHWORKS ARE TO BE PERFORMED IN ACCORDANCE WITH AS3798-2007. ON COMPLETION THE CONTRACTOR SHALL PRESENT A "LEVEL 1" TYPED REPORT NOMINATING THE EXTENT OF FILL PLACED, ITS CONFORMANCE WITH THE SPECIFICATION AND ITS CLASSIFICATION AS CONTROLLED FILL. FILLING IN PROPERTIES IS TO BE CARRIED OUT USING APPROVED CLAY FILL. TOPSOIL AND ALL VEGETABLE MATTER IS TO BE STRIPPED FROM SITE PRIOR TO FILLING. ALL FILLING TO BE CARRIED OUT IN 150mm LAYERS AND COMPACTED TO MINIMUM DRY DENSITY RATIO OF 95% STANDARD IN ACCORDANCE WITH A.S. 3978. COMPACTION RESULTS ARE TO BE PROVIDED TO THE SUPERINTENDENT FOR ALLOTMENTS WITH EXCESS OF 300mm OF FILL.
29. A.G. DRAINS (100mm) ARE TO BE INSTALLED BEHIND ALL KERB & CHANNEL AND CONCRETE INVERTS IN ACCORDANCE WITH STANDARD DRAWINGS EDM 202. AG'S BEHIND CONCRETE INVERTS SHALL BE BACKFILLED WITH CLASS 3 BASALTIC SCREENINGS OR NO FINES CONCRETE BLOCKS COVERED WITH GEOTEXTILE FABRIC EXTENDING 225mm EITHER SIDE OF THE AG TRENCH.
30. ALL CONCRETE FOR KERB AND CHANNEL, FOOTPATH AND DRIVE CROSSINGS TO BE 25MPa UNLESS NOTED OTHERWISE
31. THE CONTRACTOR CANNOT CONSTRUCT ANY ELECTRICAL WORKS WITHOUT THE PRIOR CONSENT OF THE RELEVANT ELECTRICITY AUTHORITY
32. PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION:-
i) SOURCE OF QUARRY MATERIAL
ii) OPTIMUM MOISTURE CONTENT AND MAXIMUM DRY DENSITY OF THE F.C.R. TO BE USED (FROM N.A.T.A. APPROVED LABORATORY)
iii) IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF THE WORKS, NEW TEST RESULTS SHALL BE PROVIDED.
33. THE DISPOSAL SITE FOR SPOIL FROM SITE & THE TRUCK ROUTE IS TO BE SUBMITTED TO & APPROVED BY CITY OF MELTON IN WRITING PRIOR TO COMMENCEMENT OF ANY WORK. ALL EXCAVATED CLEAN MATERIAL IS TO BE STOCKPILED ON SITE AS DIRECTED BY THE SUPERINTENDENT.
34. COMPACTION RESULTS FOR SEWER MAINS CROSSING ROAD RESERVES ARE TO BE SUBMITTED TO THE SUPERINTENDENT.

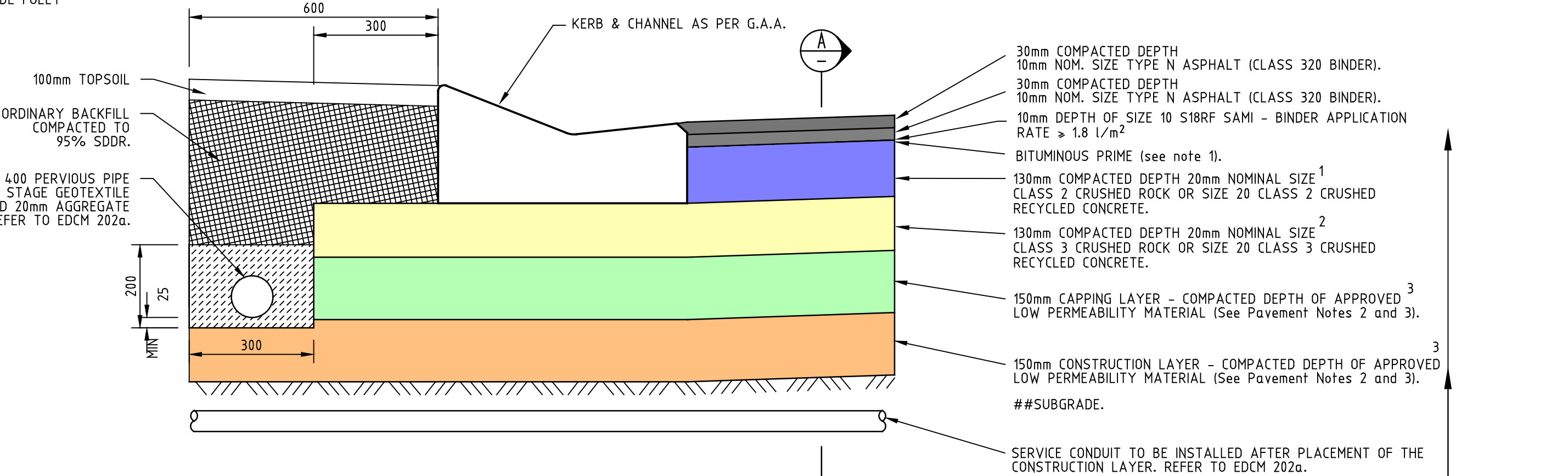
35. BACKFILL OF ALL SERVICE TRENCHES & CONDUITS UNDER PARKING BAYS, DRIVEWAYS AND FOOTPATHS, ARE TO BE FULLY COMPACTED WITH LOW PERMEABILITY CLASS 4 CRUSHED ROCK BACKFILL.
36. WHERE A NEW ROAD MEETS AN UNDEVELOPED STAGE, EARTHWORKS TO TOP OF FOOTPATH LEVEL ARE TO BE EXTENDED FOR A DISTANCE OF 8m TO FINAL LEVELS.
37. PSMs ARE TO BE HIGH STABILITY TYPE INSTALLED TO THE SATISFACTION OF MELTON CITY COUNCIL.
38. PRIOR TO START OF ANY WORK, A PRE-COMMENCEMENT MEETING MUST BE HELD ON SITE BETWEEN COUNCIL REPRESENTATIVE, SUPERINTENDENT AND THE CONTRACTOR.
39. MAP GRID OF AUSTRALIA (MGA) SHALL BE USED AS THE CO-ORDINATE SYSTEM AND AUSTRALIAN HEIGHT DATUM (AHD) SHALL BE USED AS THE REFERENCE SYSTEM FOR ALL LEVELS.



SECTION A
SCALE: NTS

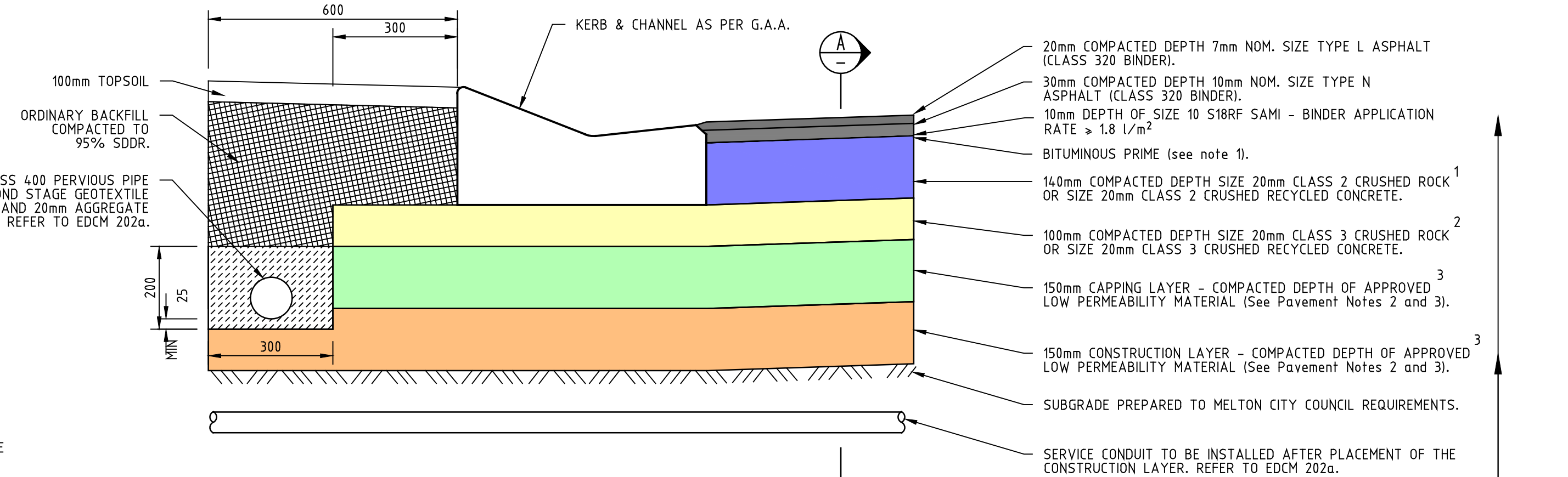
PAVEMENT NOTES:

- Note 1.** SELECTION DEPENDENT ON WEATHER CONDITIONS AND NEED OR OTHERWISE TO TRAFFIC PRIOR TO ASPHALT PLACEMENT. CONTRACTOR SHOULD NOMINATE AND SEEK APPROVAL OF TYPE, APPLICATION RATE AND CURING REQUIREMENTS PRIOR TO APPLICATION.
- Note 2.** MAXIMUM PERMEABILITY $5 \times 10^{-9} \text{ m/s}$, MINIMUM SOAKED CBR 8%, MAX CBR S.WELL 15%. LAYER THICKNESS SHOULD BE RAISED WHERE ROCK ENCOUNTERED ABOVE UNDERSIDE OF LAYER.
- Note 3.** THIS LAYER CAN BE THICKENED IF LOCALISED SUBGRADE IMPROVEMENT IS REQUIRED, I.E. VIA REMOVAL AND REPLACEMENT; AND
- Note 4.** SUB BASE CAN BE USED AS A LEVELLING LAYER OVER BASALT ONLY SUBGRADES IF REQUIRED.



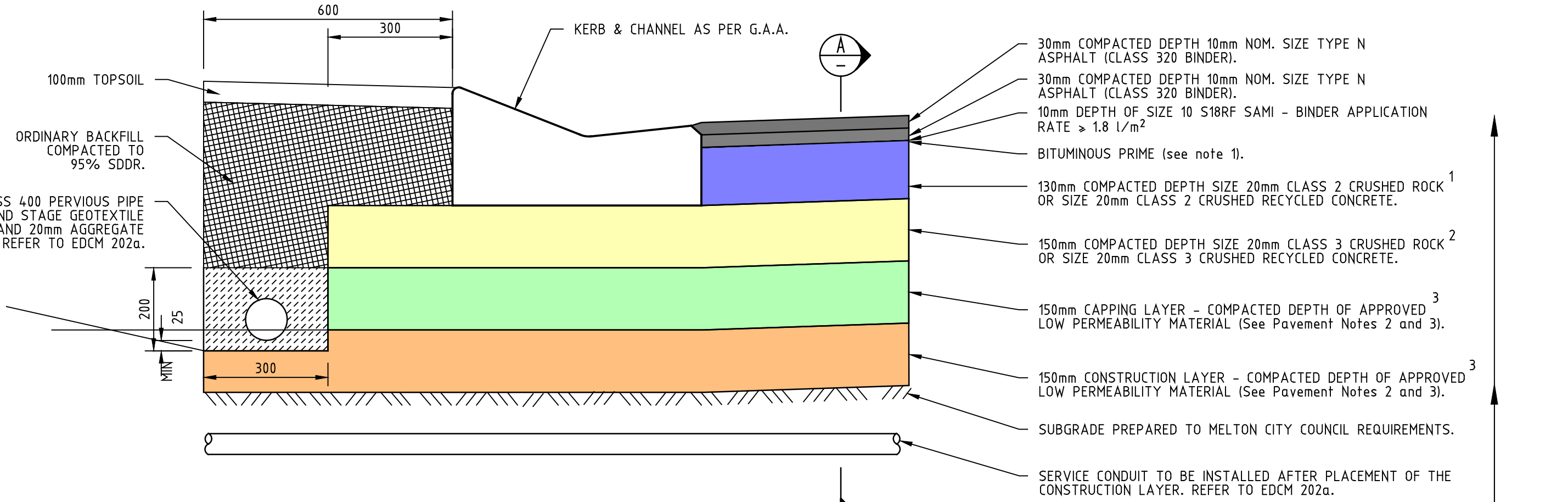
TOTAL MIN. COMPACTED DEPTH 630mm
ALMENDRA AVENUE

1. BASE LAYER (100% CHARACTERISTIC MODIFIED COMPACTION)
2. SUB-BASE LAYERS (98% CHARACTERISTIC MODIFIED COMPACTION)
3. CAPPING/CONSTRUCTION/SUBGRADE LAYER (100% STANDARD COMPACTION)



TOTAL MIN. COMPACTED DEPTH 600mm
ABARTH GROVE, FUTURA STREET & TULLA CIRCUIT

1. BASE LAYER (100% CHARACTERISTIC MODIFIED COMPACTION)
2. SUB-BASE LAYERS (98% CHARACTERISTIC MODIFIED COMPACTION)
3. CAPPING/CONSTRUCTION/SUBGRADE LAYER (100% STANDARD COMPACTION)



TOTAL MIN. COMPACTED DEPTH 650mm
DOMINION DRIVE

1. BASE LAYER (100% CHARACTERISTIC MODIFIED COMPACTION)
2. SUB-BASE LAYERS (98% CHARACTERISTIC MODIFIED COMPACTION)
3. CAPPING/CONSTRUCTION/SUBGRADE LAYER (100% STANDARD COMPACTION)

PAVEMENT COMPOSITIONS

NOT TO SCALE

PRELIMINARY

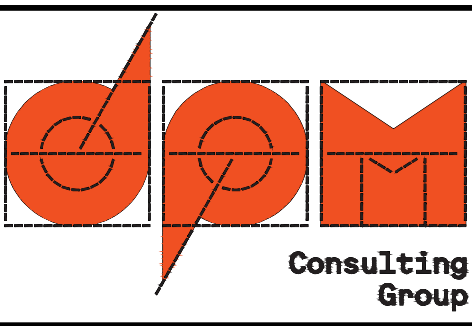
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-	-	-	-	GAS MAIN
-	-	-	-	WATER MAIN
-	-	-	-	RECYCLED WATER MAIN
-	-	-	-	ELECTRICITY CABLE
P2	COUNCIL REQUIREMENTS	31.3.21	J.B.	TELECOMMUNICATIONS CABLE
P1	PRELIMINARY ISSUE	9/12/20	J.B.	WATER CONDUIT
				GAS CONDUIT
				RECYCLED WATER CONDUIT
				COMBINED SERVICES CONDUIT
				T.B.M.
				P.S.M.
				STREET SIGN

LEGEND	CHAINAGES AND TANGENT POINTS
HOUSE DRAIN PROPOSED/EX.	EXISTING SURFACE LEVEL
PROPERTY INLET, DRAINAGE PITS	FINISHED LEVEL (TITLE BOUNDARY)
EX./FUT. INLET, DRAINAGE PITS	DESIGN TOP/TOE OF BATTER LEVEL
DRAINAGE PIT STAGE/NUMBER	DESIGN PAVEMENT LEVEL
EX./SEWER LINE AND STRUCTURES	PROPOSED CONTOUR LINE & LEVEL
KERB AND CHANNEL	EXISTING CONTOUR LINE & LEVEL
EX./FUT. KERB AND CHANNEL	FILLING IN EXCESS OF 200mm
KERB TO BE REMOVED OFFSITE	CATCH DRAIN AND INVERT LEVEL
STREET SIGN	EX. BATTER 1
	PROP. BATTER

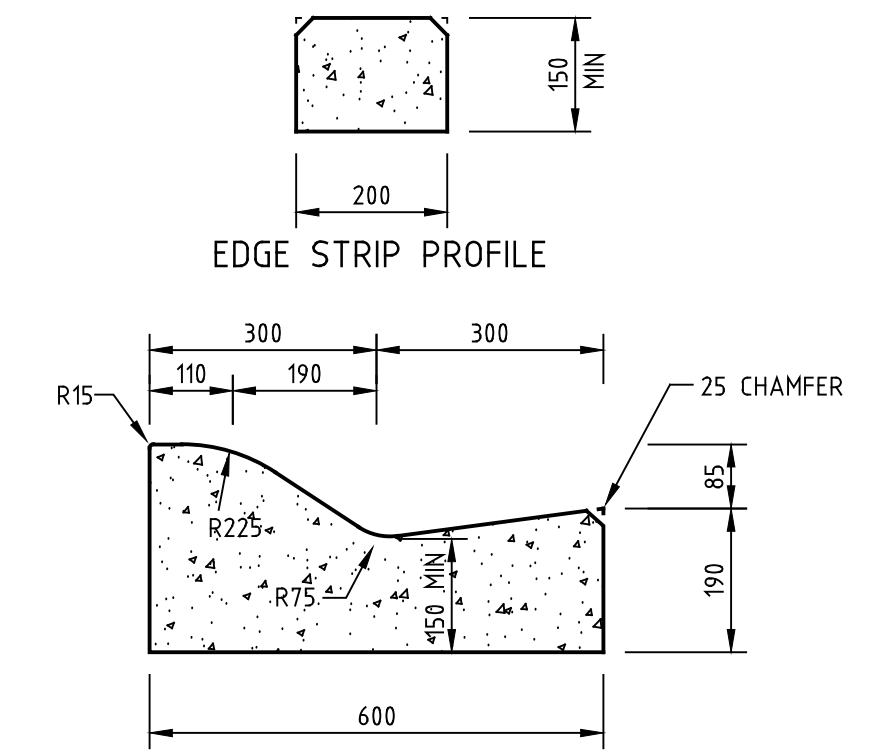
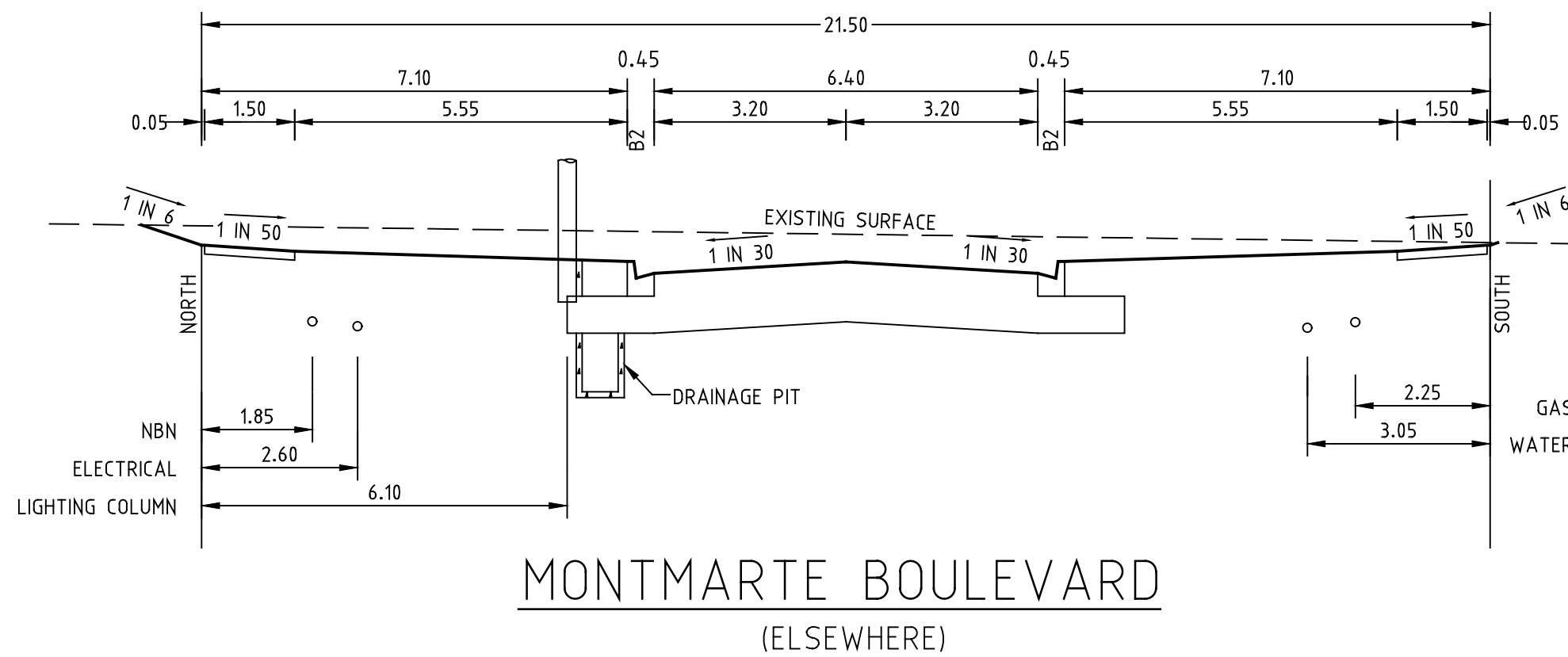
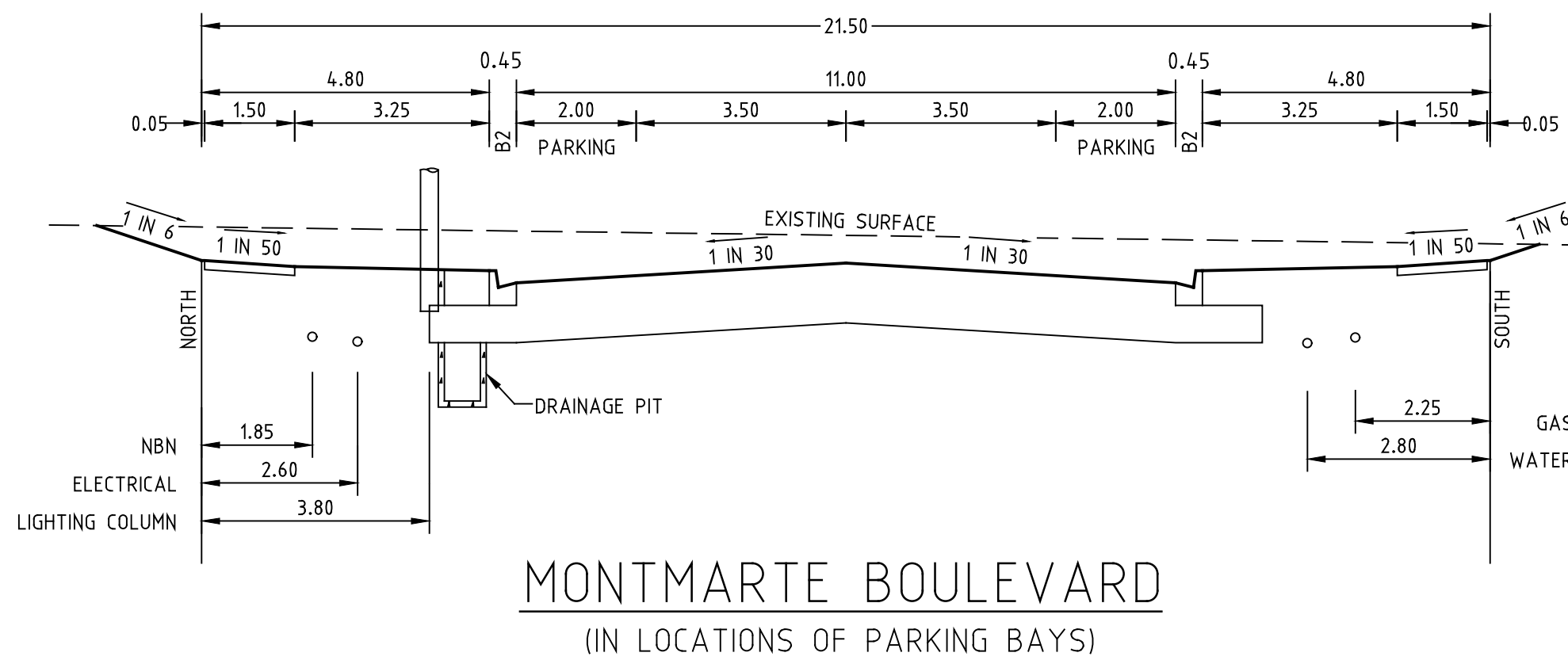
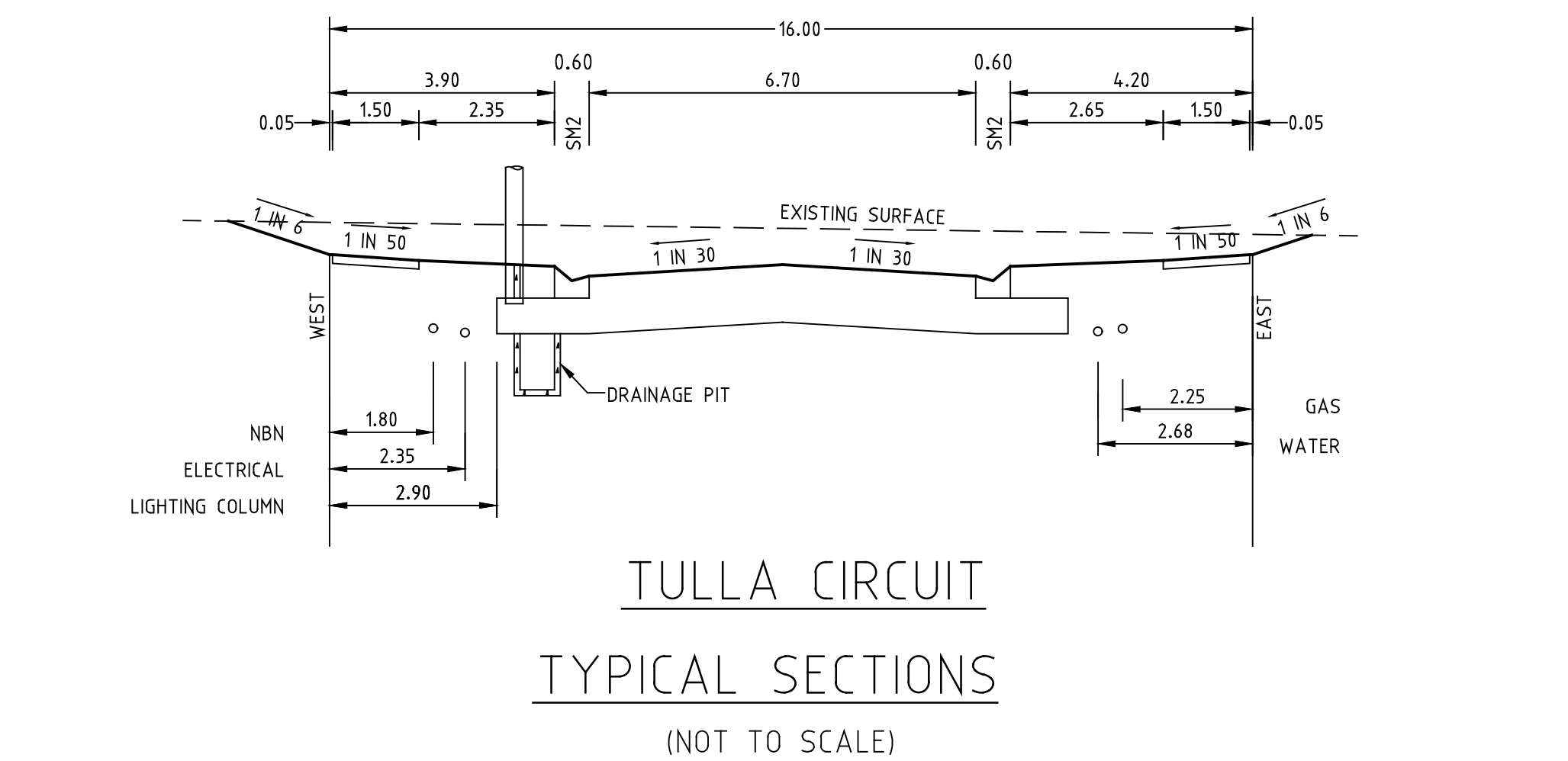
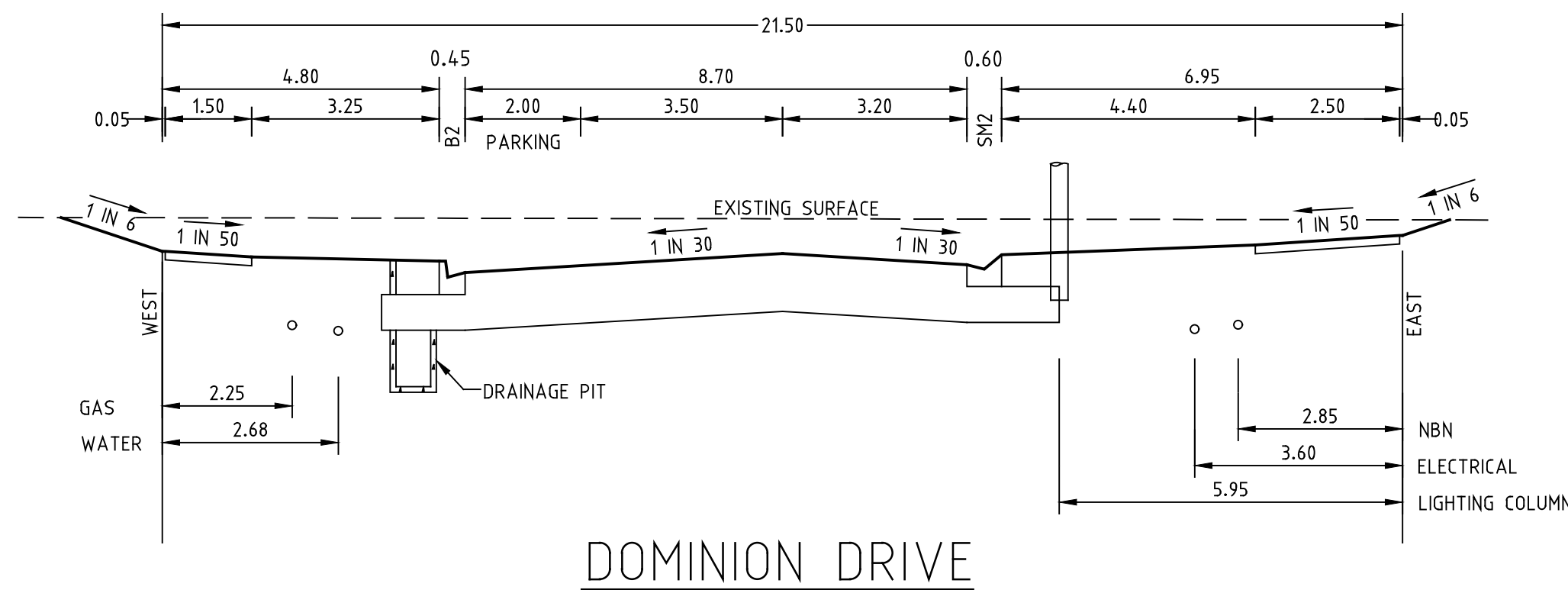
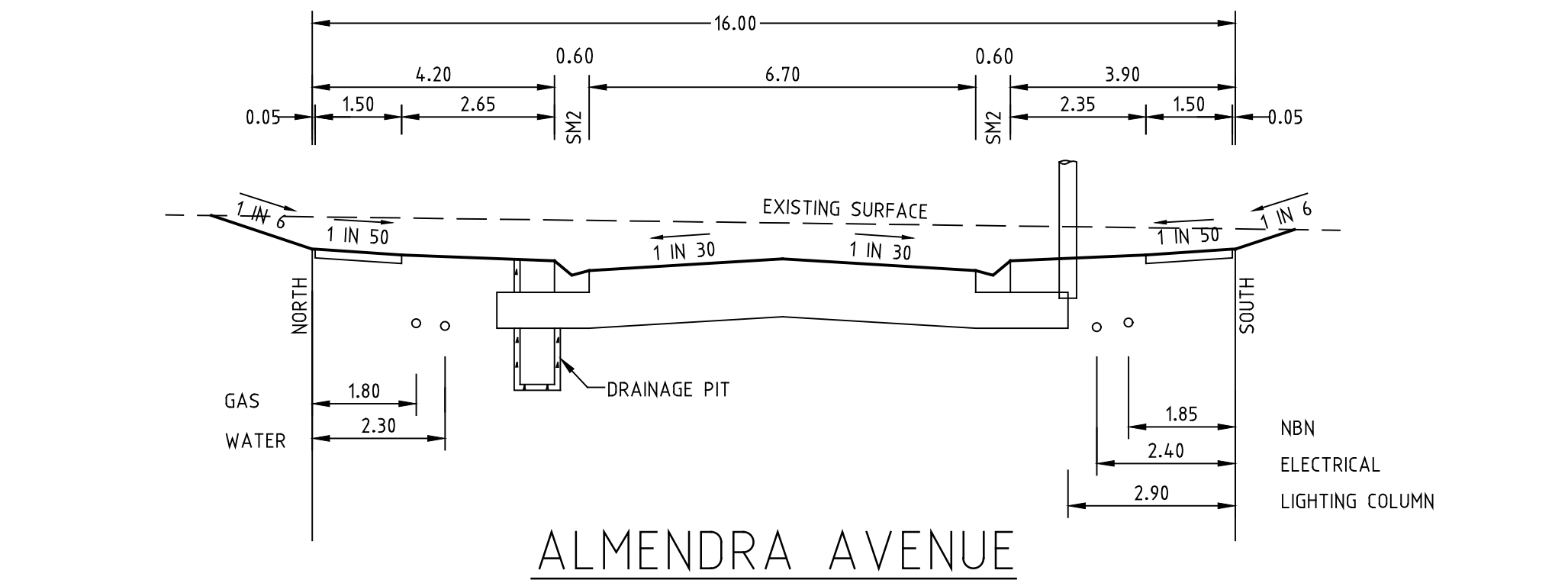
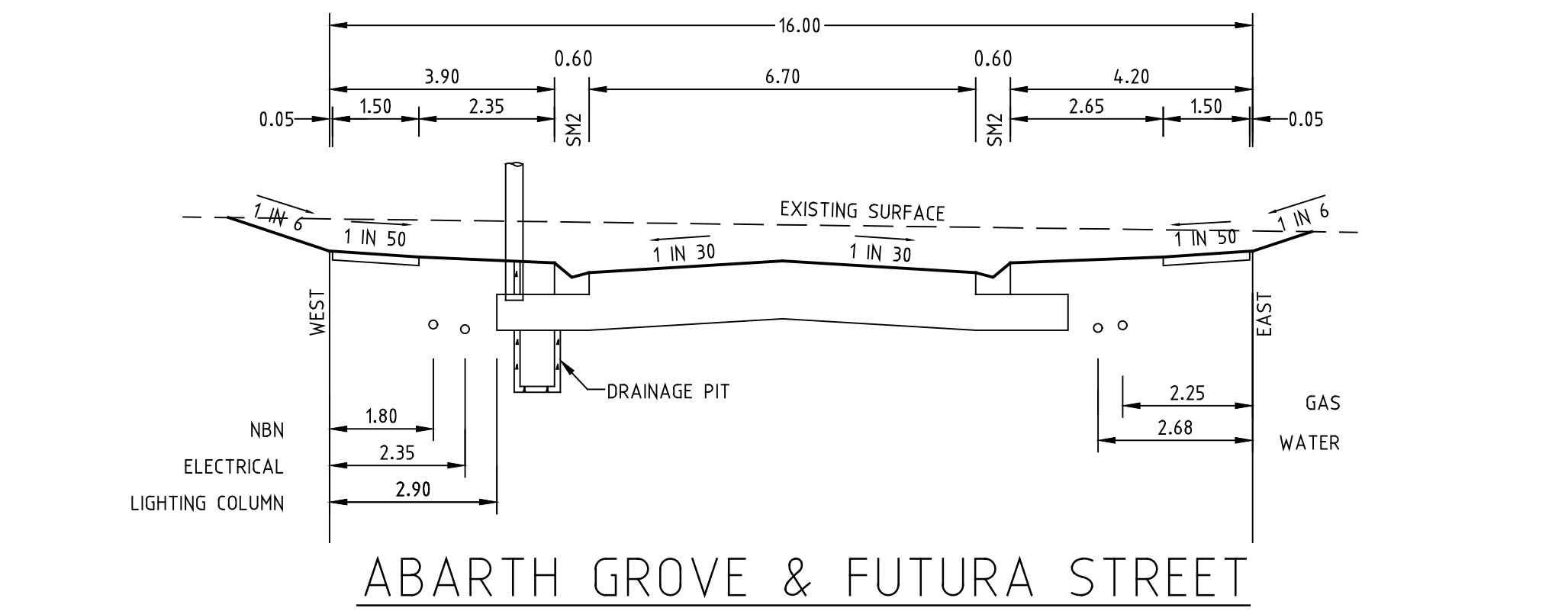
DRAWN: J.BEVERIDGE
DESIGNED: J.BEVERIDGE
CHECKED: ----
AUTHORISED: ----
DATE: ----

AUTHORITY: CITY OF MELTON
PROJECT: MODEINA STAGE 21
DETAILS: GENERAL NOTES & PAVMENT COMPOSITIONS

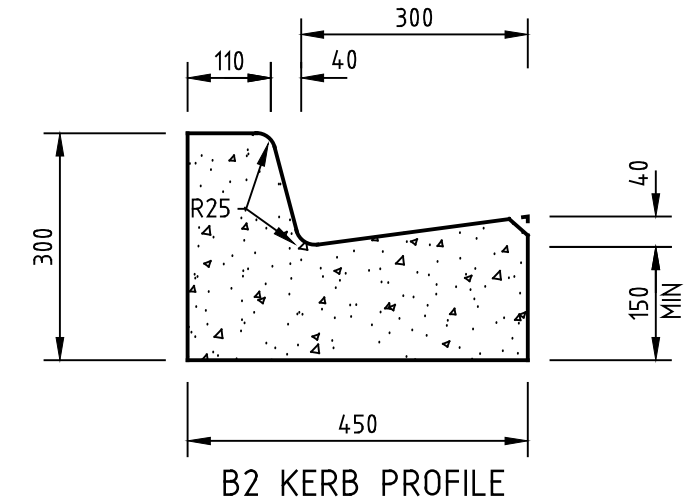
SCALE N.T.S.	REV.
LEVEL DATUM AHD	P2
SHEET 5 OF 19	
DRAWING No. 1275/21/NE/5	



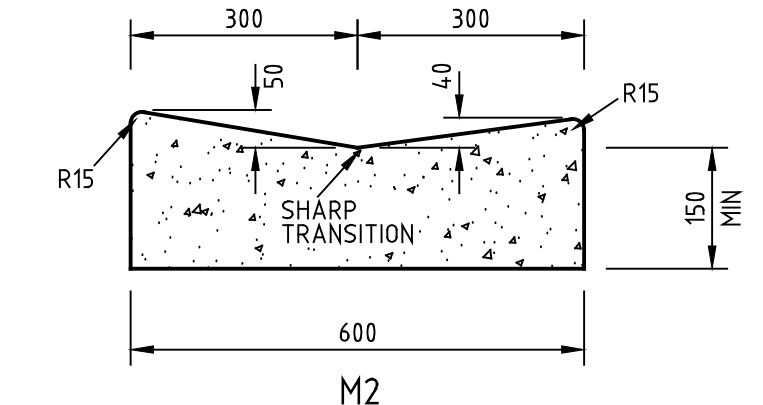
22 Business Park Drive Notting Hill 3168
A.C.N. 006 550 803
E: consulting@dpvic.com.au
W: www.dpmvic.com.au
T: (03) 9538 5000



SM2 K&Ch PROFILE



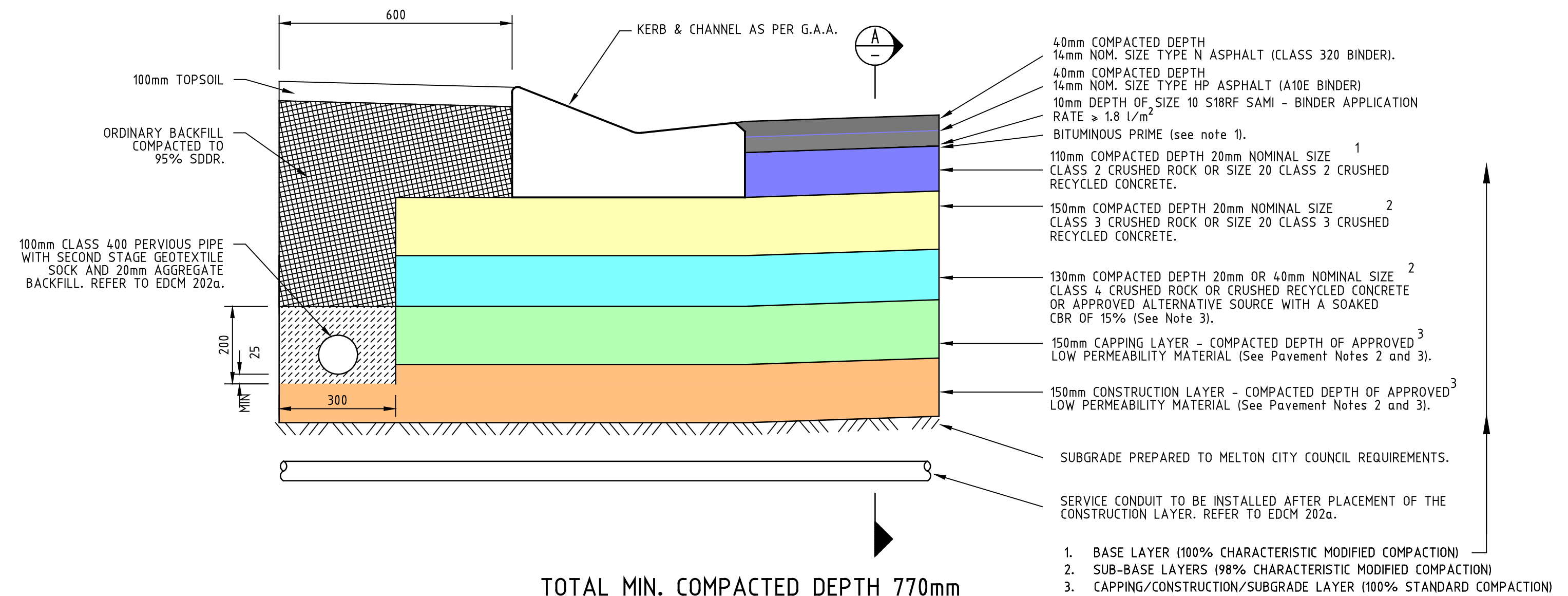
B2 KERB PROFILE



M2

KERB DETAILS

N.T.S.



TOTAL MIN. COMPACTED DEPTH 770mm

MONTMARTE BOULEVARD

PAVEMENT COMPOSITIONS

NOT TO SCALE

PRELIMINARY

-	-	-	-		GAS MAIN		HOUSE DRAIN PROPOSED/EX.		CHAINAGES AND TANGENT POINTS
-	-	-	-		WATER MAIN		PROPERTY INLET, DRAINAGE PITS		EXISTING SURFACE LEVEL
-	-	-	-		RECYCLED WATER MAIN		EX./FUT. INLET, DRAINAGE PITS		FINISHED LEVEL (TITLE BOUNDARY)
-	-	-	-		ELECTRICITY CABLE		DRAINAGE PIT STAGE/NUMBER		DESIGN TOP/TOP OF BATTER LEVEL
-	-	-	-		TELECOMMUNICATIONS CABLE		SEWER LINE AND STRUCTURES		DESIGN PAVEMENT LEVEL
P2	COUNCIL REQUIREMENTS	31.3.21	J.B.		WATER CONDUIT		EX-SEWER LINE AND STRUCTURES		PROPOSED CONTOUR LINE & LEVEL
P1	PRELIMINARY ISSUE	9/12/20	J.B.		GAS CONDUIT		KERB AND CHANNEL		EXISTING CONTOUR LINE & LEVEL
REV.	REVISION	DATE	APPD.		RECYCLED WATER CONDUIT		EX./FUT. KERB AND CHANNEL		FILLING IN EXCESS OF 200mm
					COMBINED SERVICES CONDUIT		KERB TO BE REMOVED OFFSITE		CATCH DRAIN AND INVERT LEVEL
					T.B.M.		STREET SIGN		EX. BATTER
					P.S.M.				PROP. BATTER

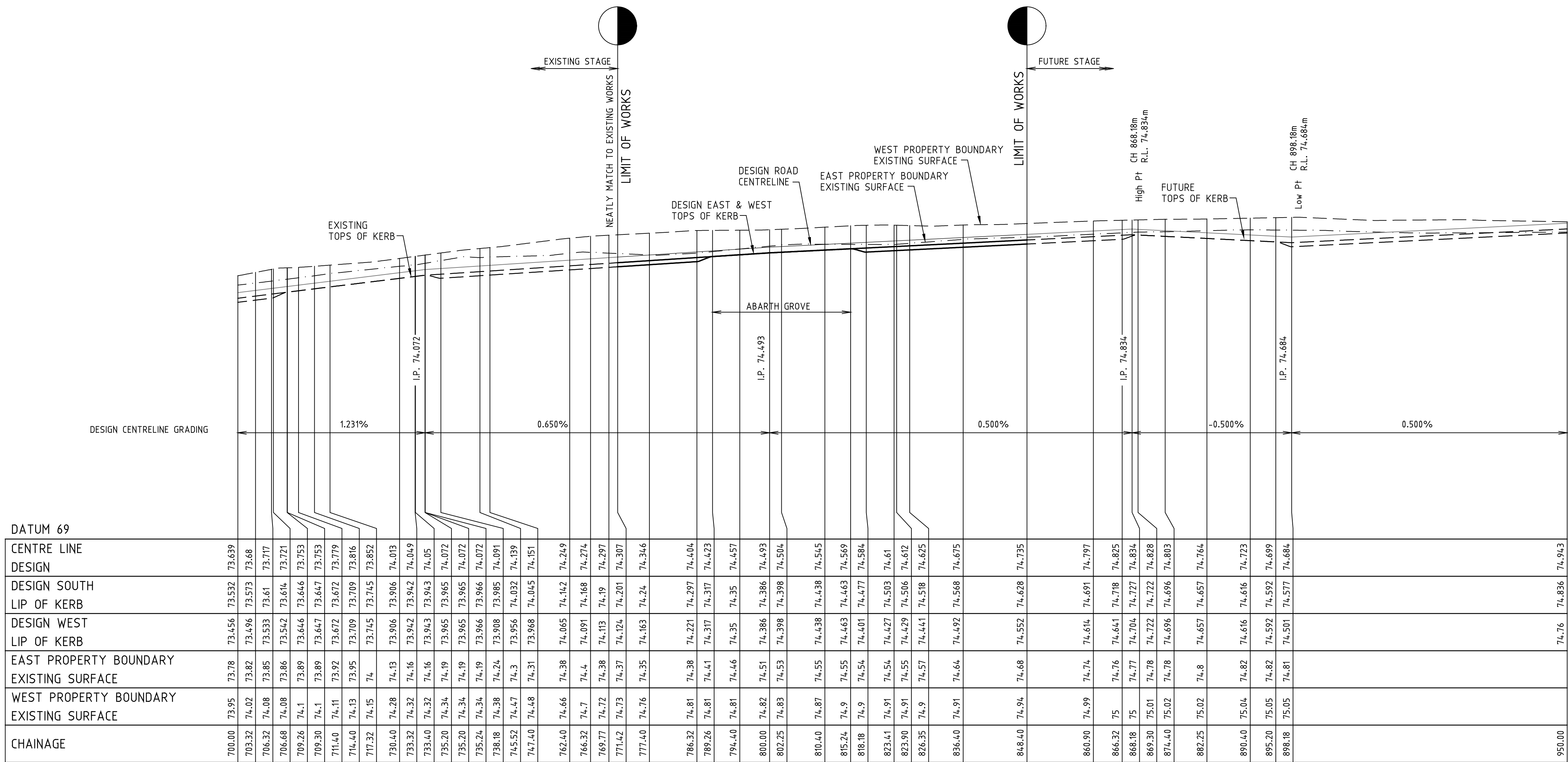
22 Business Park Drive Notting Hill 3168
A.C.N. 006 550 803
E: consulting@dpmvc.com.au
W: www.dpmvc.com.au
T: (03) 9538 5000



DRAWN: J.BEVERIDGE
DESIGNED: J.BEVERIDGE
CHECKED: ----
AUTHORISED: ----
DATE: ----

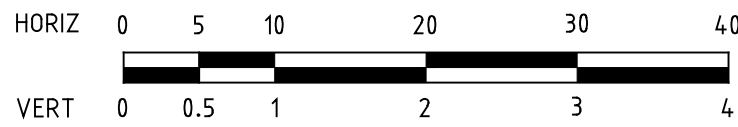
AUTHORITY: **CITY OF MELTON**
PROJECT: **MODEINA STAGE 21**
DETAILS: **PAVEMENT COMPOSITIONS, TYPICAL SECTIONS & MISCELLANEOUS DETAILS**

SCALE N.T.S.
LEVEL DATUM AHD
SHEET 6 OF 19
DRAWING No. 1275/21/NE/6
REV. P2



ROAD LONGITUDINAL SECTION DOMINION DRIVE

SCALES HOR 1 : 500 VER 1 : 50

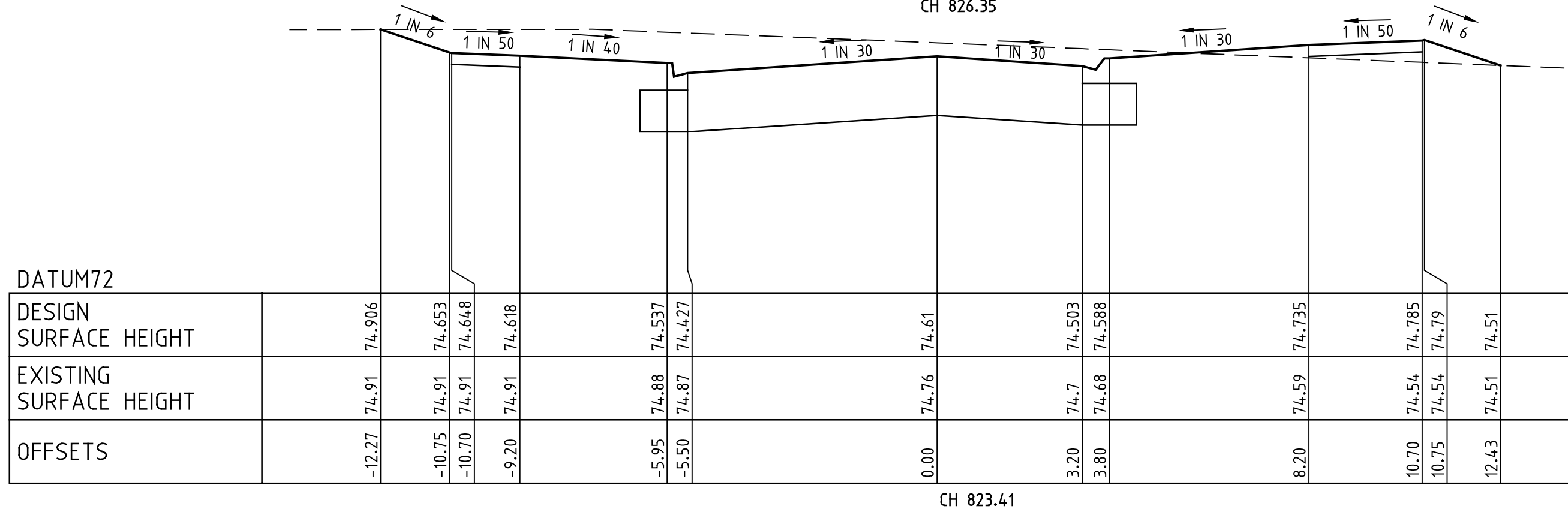
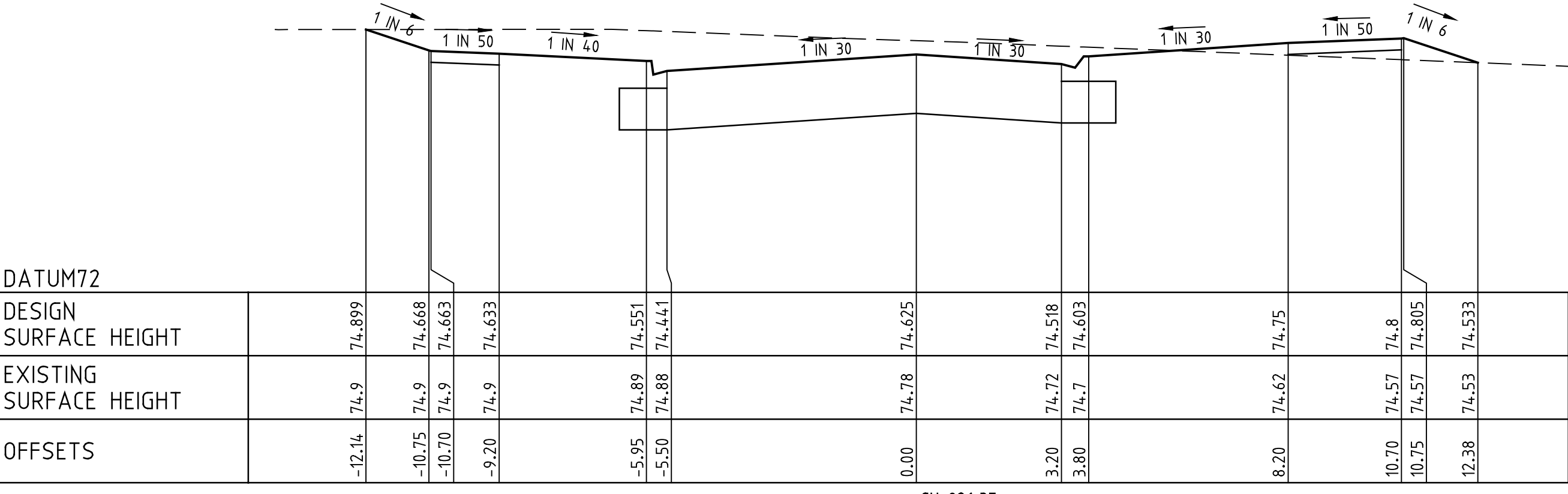
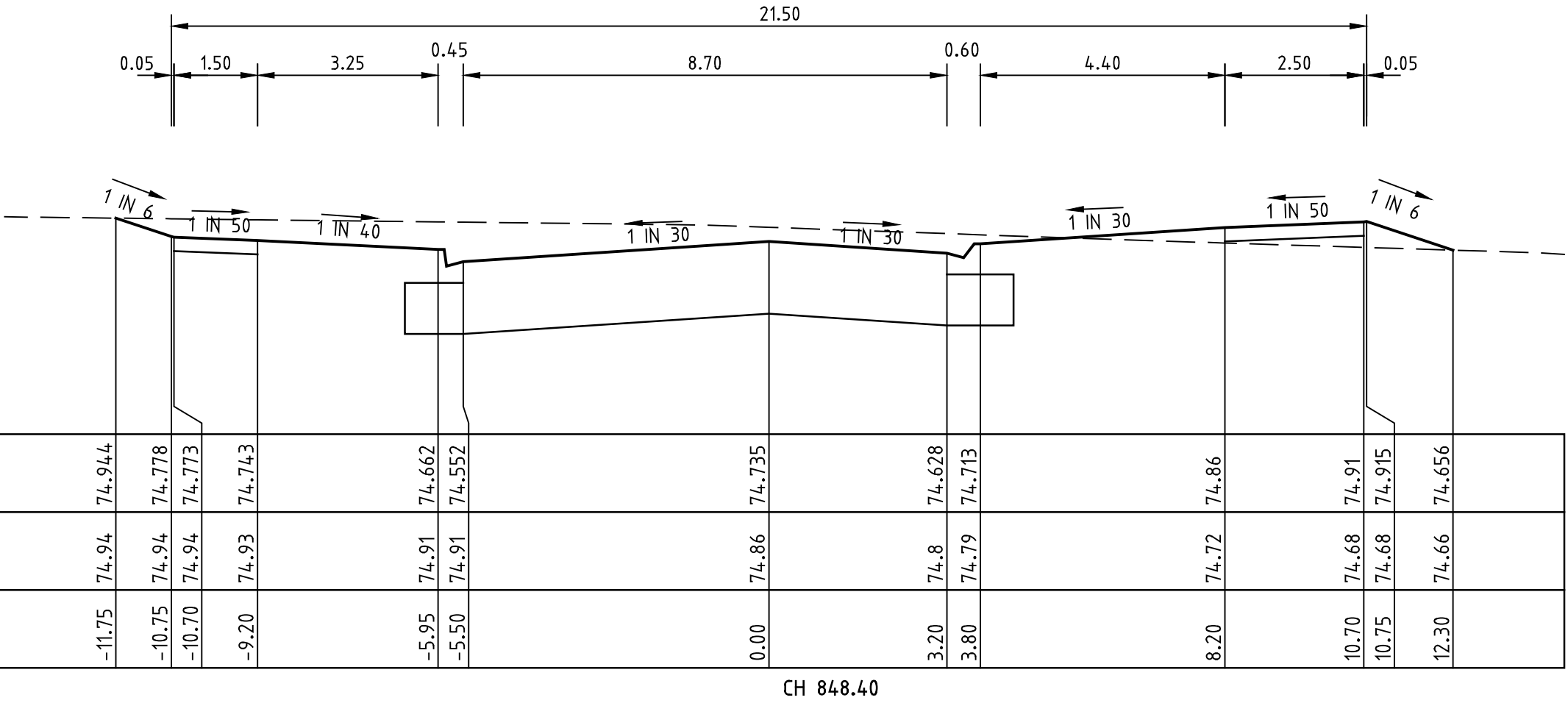
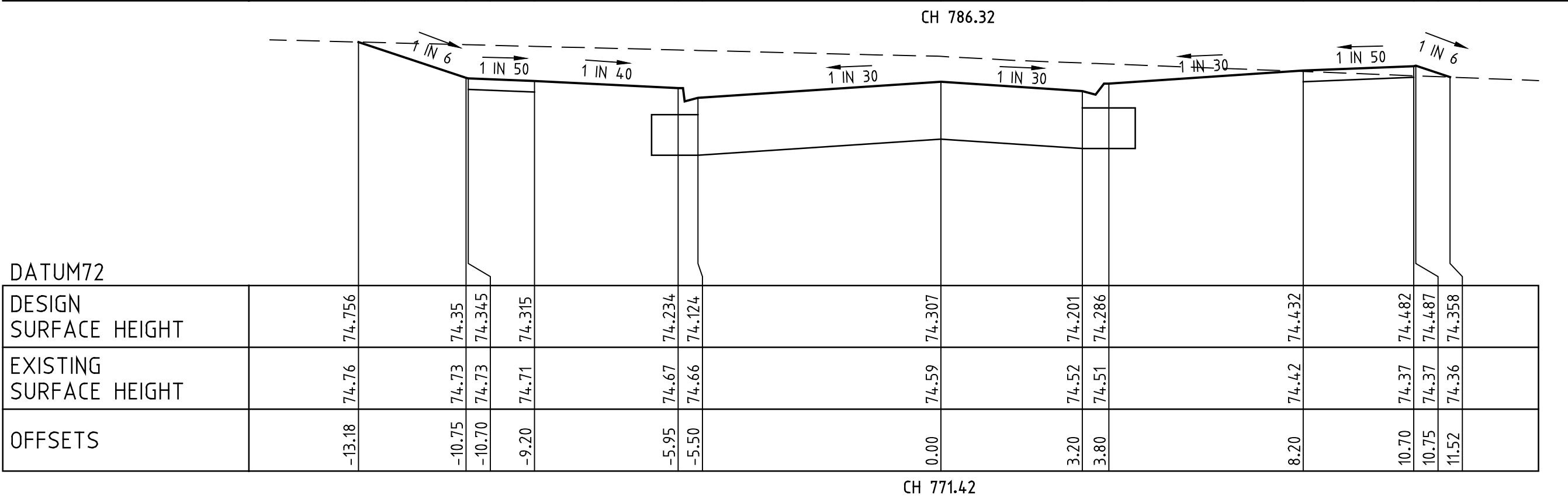
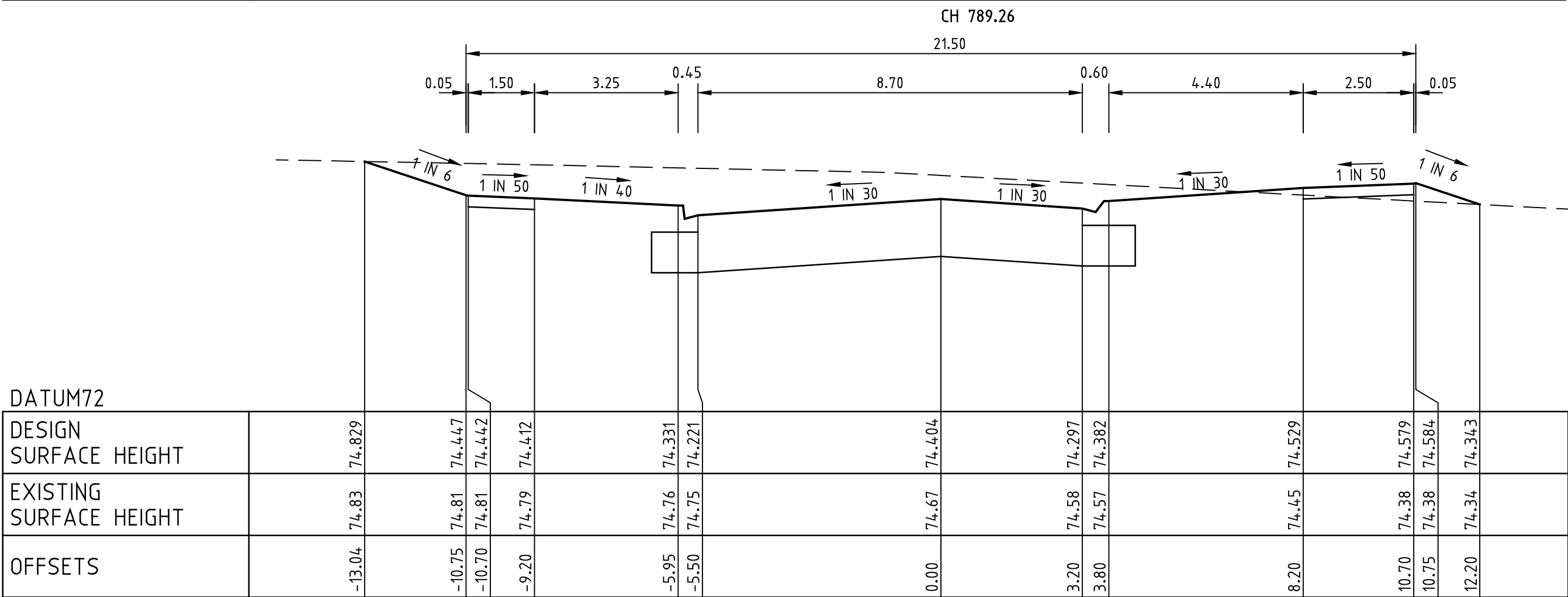
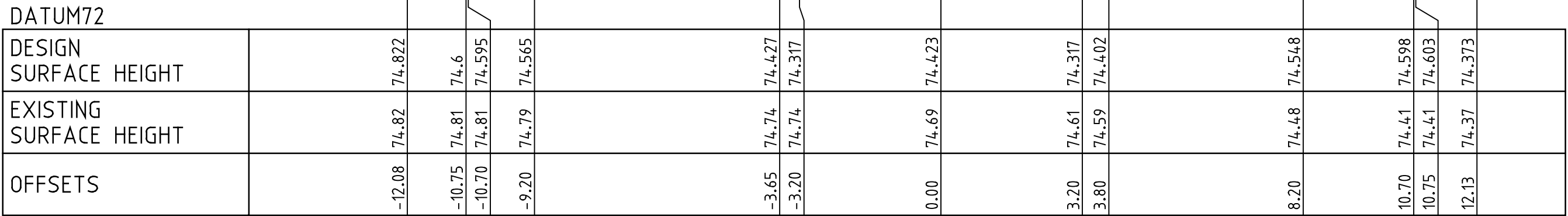
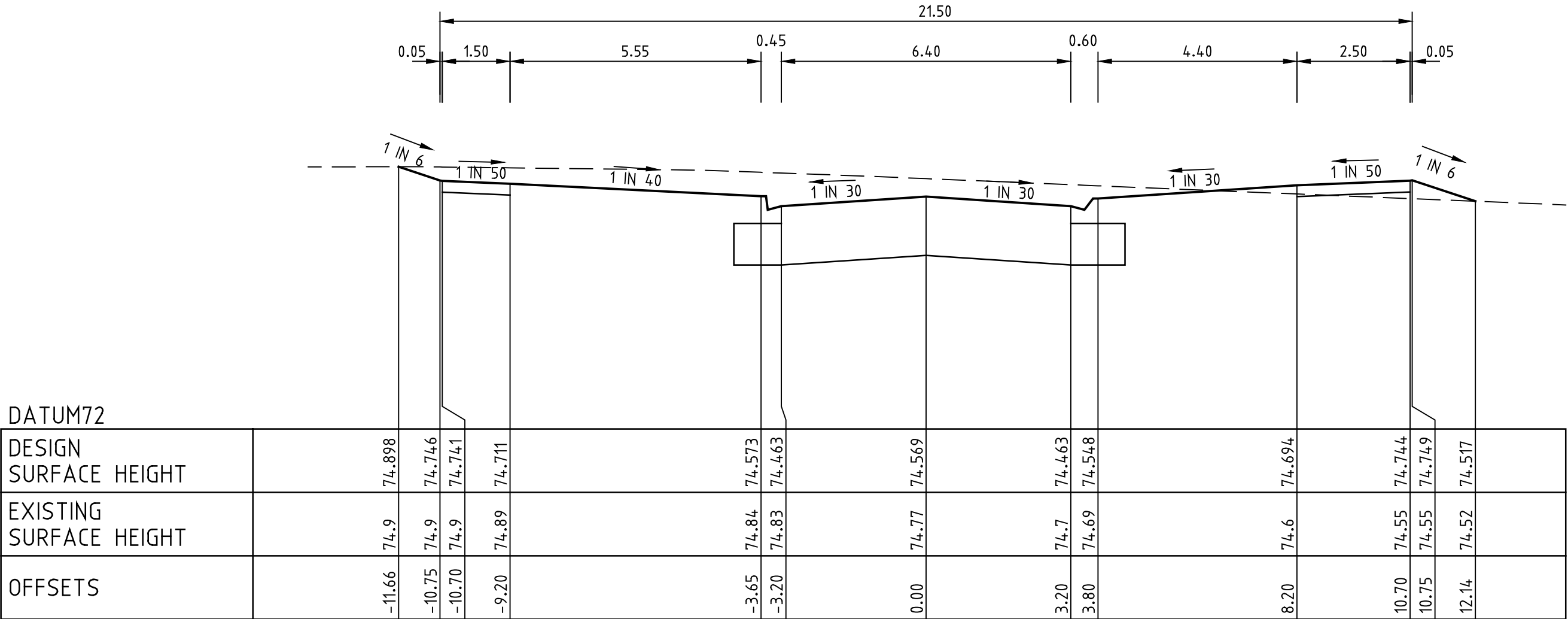


REV.	REVISION	DATE	APPD.	LEGEND
-	-	-	-	GAS MAIN
-	-	-	-	WATER MAIN
-	-	-	-	RECYCLED WATER MAIN
-	-	-	-	ELECTRICITY CABLE
-	-	-	-	TELECOMMUNICATIONS CABLE
P2	COUNCIL REQUIREMENTS	31.3.21	J.B.	WATER CONDUIT
P1	PRELIMINARY ISSUE	9/12/20	J.B.	GAS CONDUIT
				RECYCLED WATER CONDUIT
				COMBINED SERVICES CONDUIT
				T.B.M.
				P.S.M.
				HOUSE DRAIN PROPOSED/EX.
				PROPERTY INLET, DRAINAGE PITS
				EX./FUT. INLET, DRAINAGE PITS
				DRAINAGE PIT STAGE/NUMBER
				EX-SEWER LINE AND STRUCTURES
				KERB AND CHANNEL
				EX./FUT. KERB AND CHANNEL
				KERB TO BE REMOVED OFFSITE
				STREET SIGN
				CHAINAGES AND TANGENT POINTS
				EXISTING SURFACE LEVEL
				FINISHED LEVEL (TITLE BOUNDARY)
				DESIGN TOP/TOP OF BATTER LEVEL
				DESIGN PAVEMENT LEVEL
				PROPOSED CONTOUR LINE & LEVEL
				EXISTING CONTOUR LINE & LEVEL
				FILLING IN EXCESS OF 200mm
				CATCH DRAIN AND INVERT LEVEL
				EX. BATTER
				PROP. BATTER

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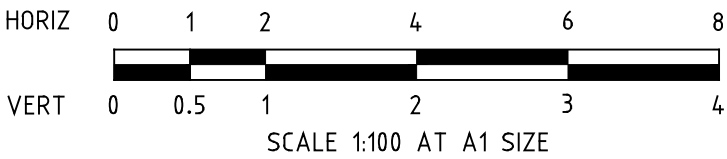


DRAWN: J.BEVERIDGE	AUTHORITY: CITY OF MELTON	SCALE 1:500H, 1:50V
DESIGNED: J.BEVERIDGE	PROJECT: MODEINA	LEVEL DATUM AHD
CHECKED: ----	STAGE 21	SHEET 7 OF 19
AUTHORISED: ----	DETAILS: DOMINION DRIVE - LONGITUDINAL SECTION	DRAWING No. 1275/21/NE/7
DATE: ----	----	REV. P2



ROAD CROSS SECTIONS DOMINION DRIVE

SCALES HOR 1 : 100 VER 1 : 50



PRELIMINARY

REV.	REVISION	DATE	APPD.	LEGEND
-	-	-	-	
P2	COUNCIL REQUIREMENTS	31.3.21	J.B.	
P1	PRELIMINARY ISSUE	9/12/20	J.B.	

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DRAWN: J.BEVERIDGE
DESIGNED: J.BEVERIDGE
CHECKED: ----
AUTHORISED: ----
DATE: ----

AUTHORITY: CITY OF MELTON
PROJECT: MODEINA
STAGE 21
DETAILS: DOMINION DRIVE - CROSS SECTIONS

SCALE 1:100H, 1:50V
LEVEL DATUM AHD
SHEET 8 OF 19
DRAWING No. 1275/21/NE/8
REV. P2



SCALES HOR 1 : 500 VER 1 : 50



LEGEND

	CHAINAGES AND TANGENT POINTS EXISTING SURFACE LEVEL FINISHED LEVEL (TITLE BOUNDARY) DESIGN TOP/TOE OF BATTER LEVEL DESIGN PAVEMENT LEVEL PROPOSED CONTOUR LINE & LEVEL EXISTING CONTOUR LINE & LEVEL FILLING IN EXCESS OF 200mm CATCH DRAIN AND INVERT LEVEL EX. BATTER PROP. BATTER
--	--

DRAWN: J.BEVERIDGEDESIGNED: J.BEVERIDGE

CHECKED: _____

AUTHORIZED

AUTHORITY: **CITY OF MELTON**

PROJECT: **MODEINA**
STAGE 2

DETAILS: **ABARTH GROVE - LONGITUDINAL SECTION**

SCALE 1:500H, 1:50V

LEVEL DATUM	AHD
-------------	-----

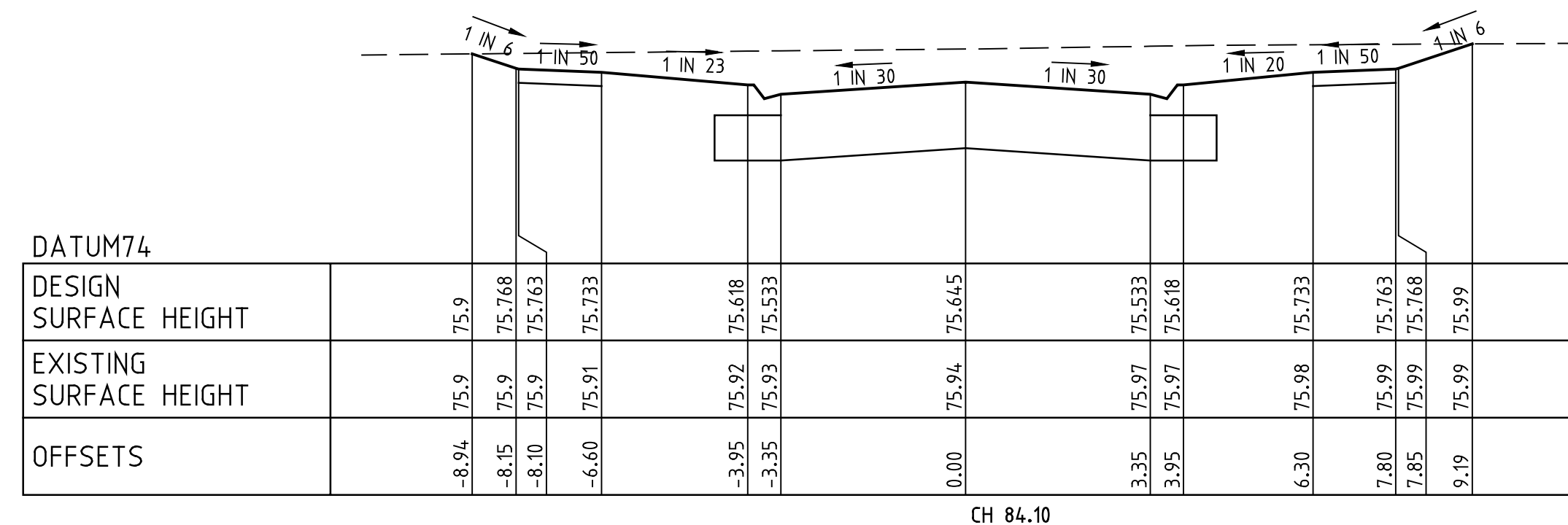
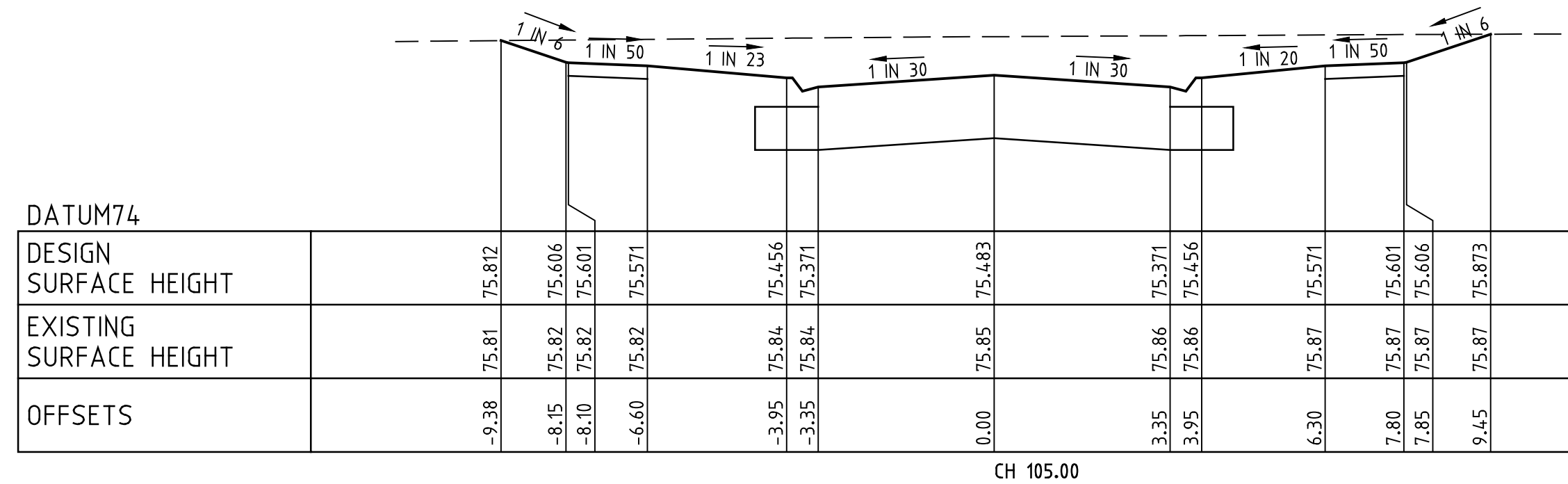
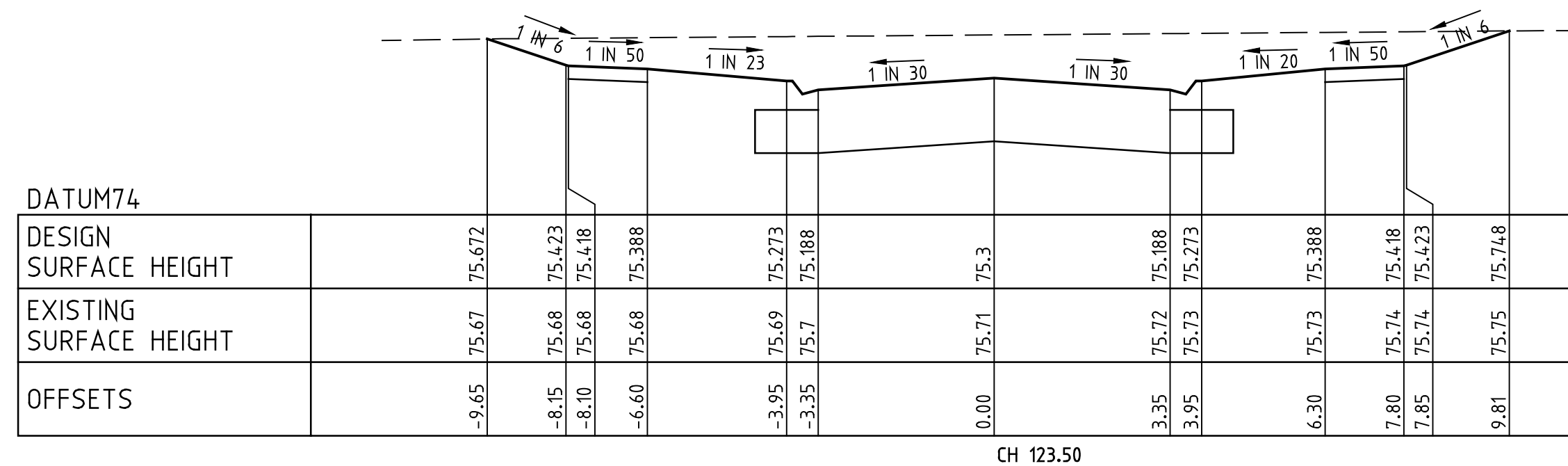
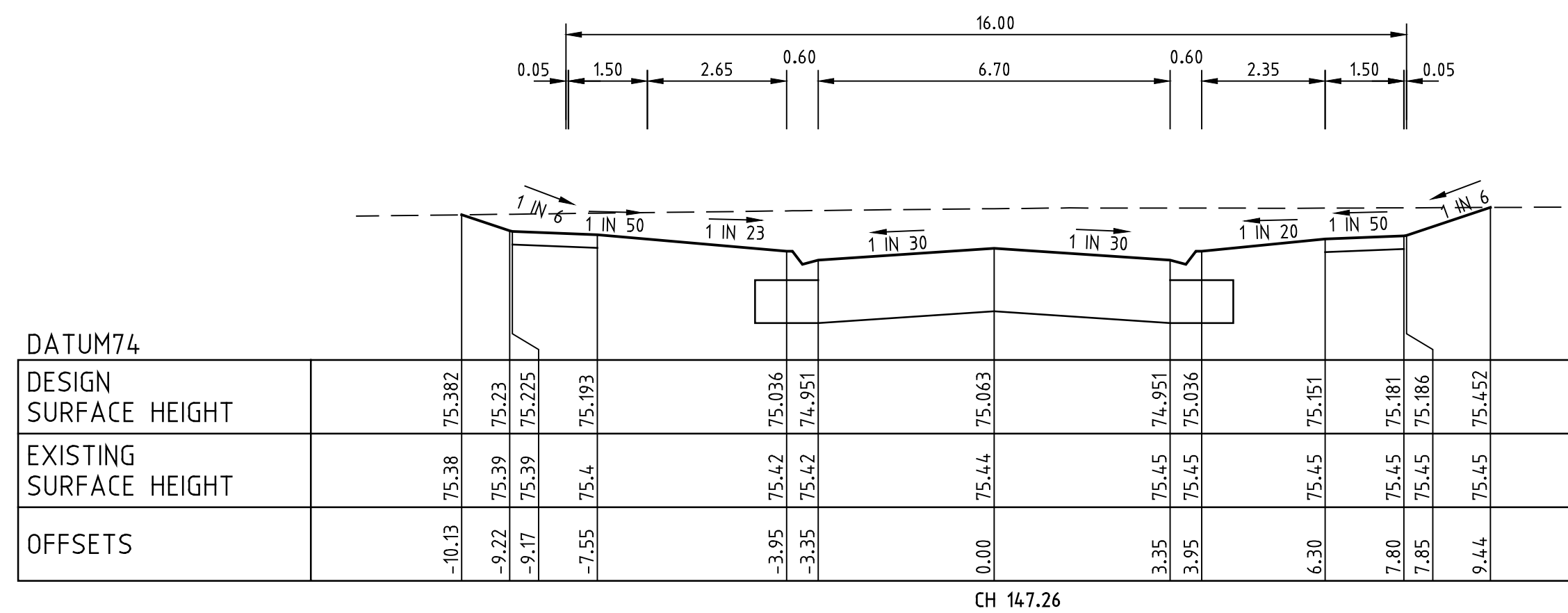
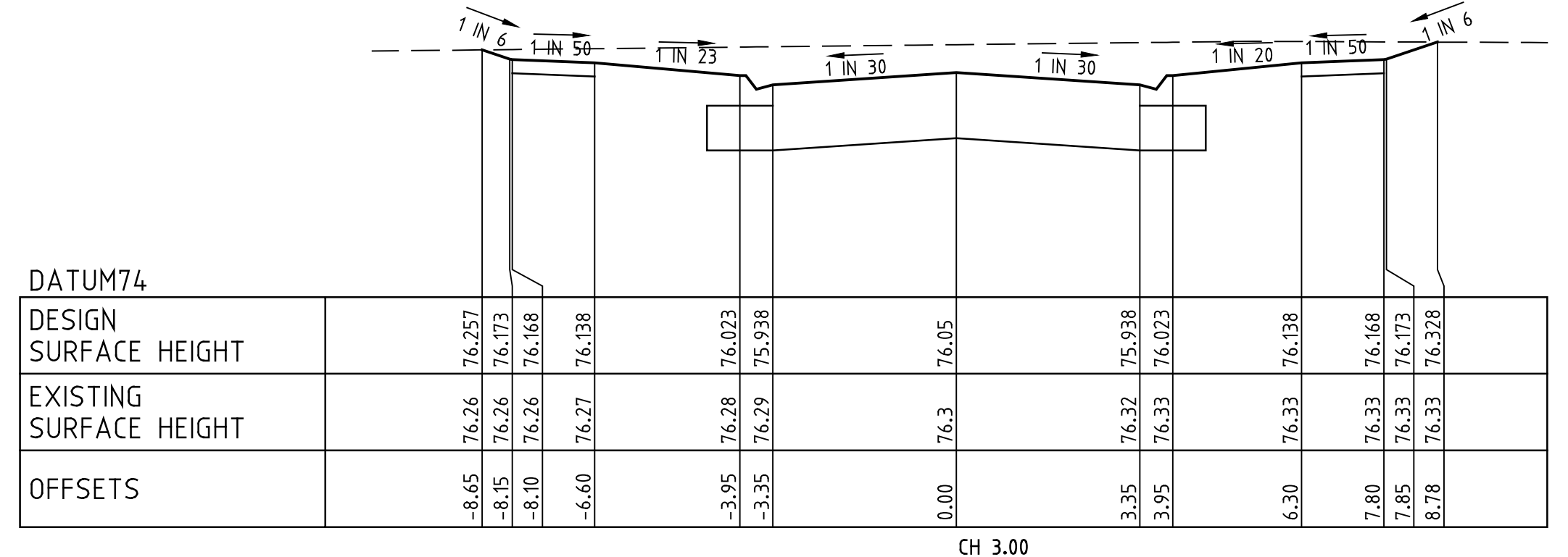
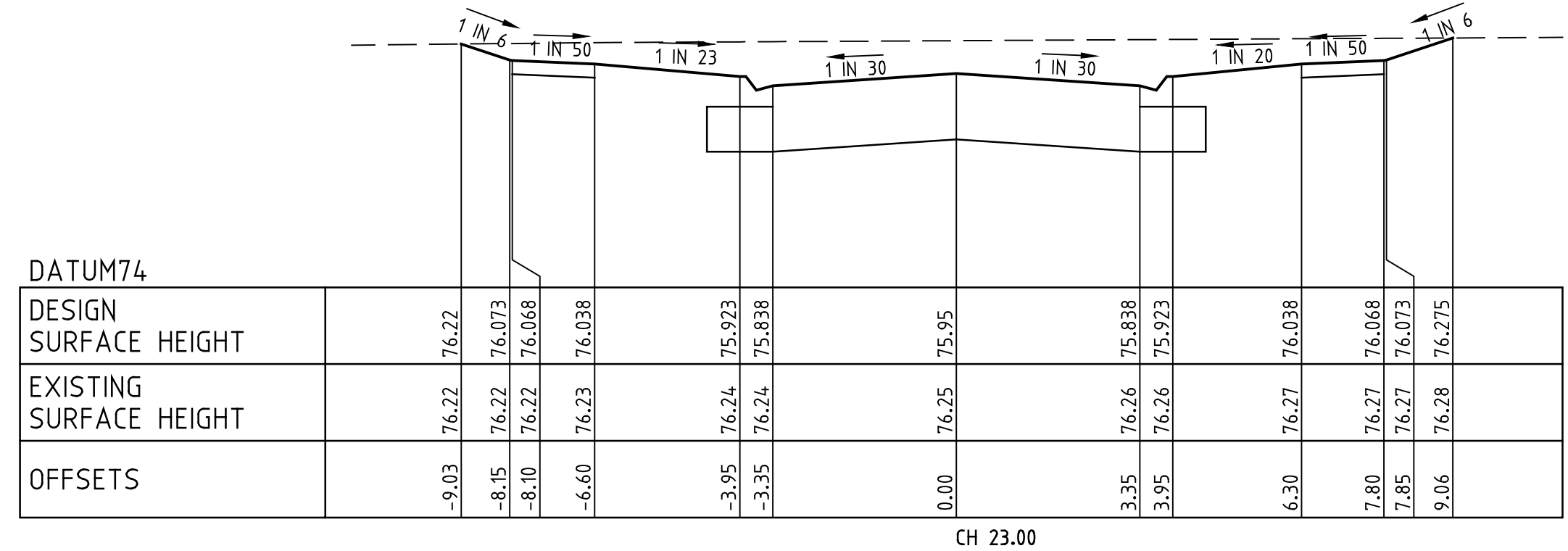
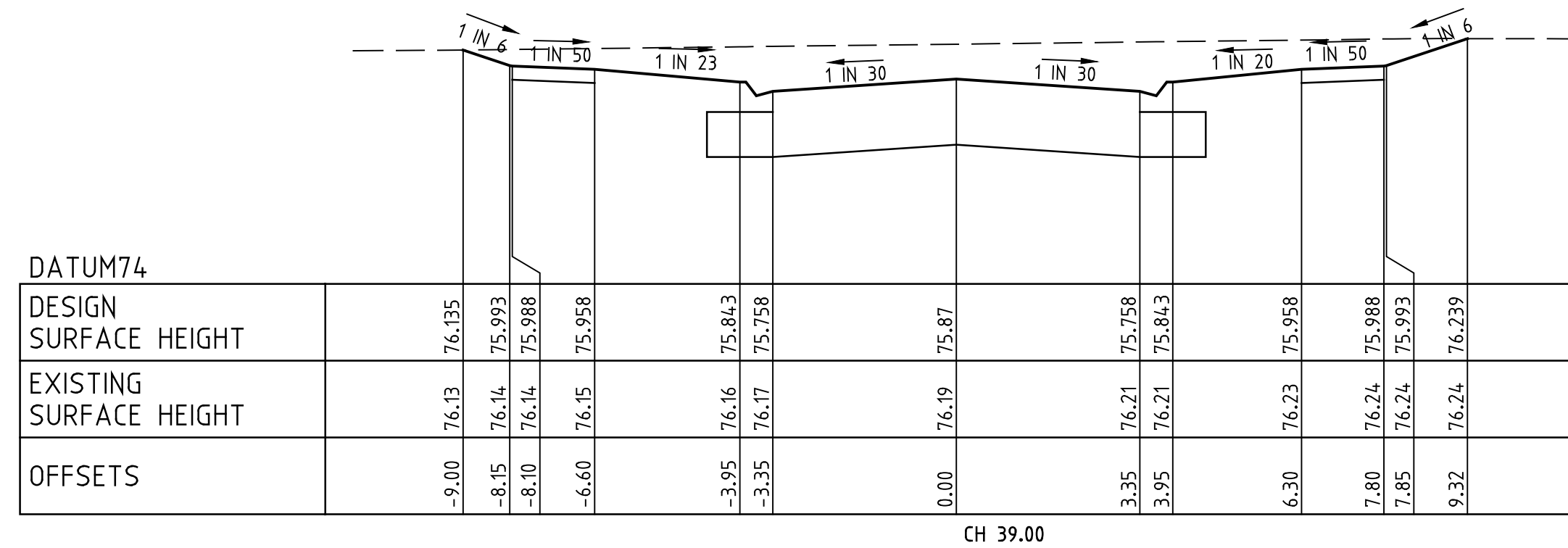
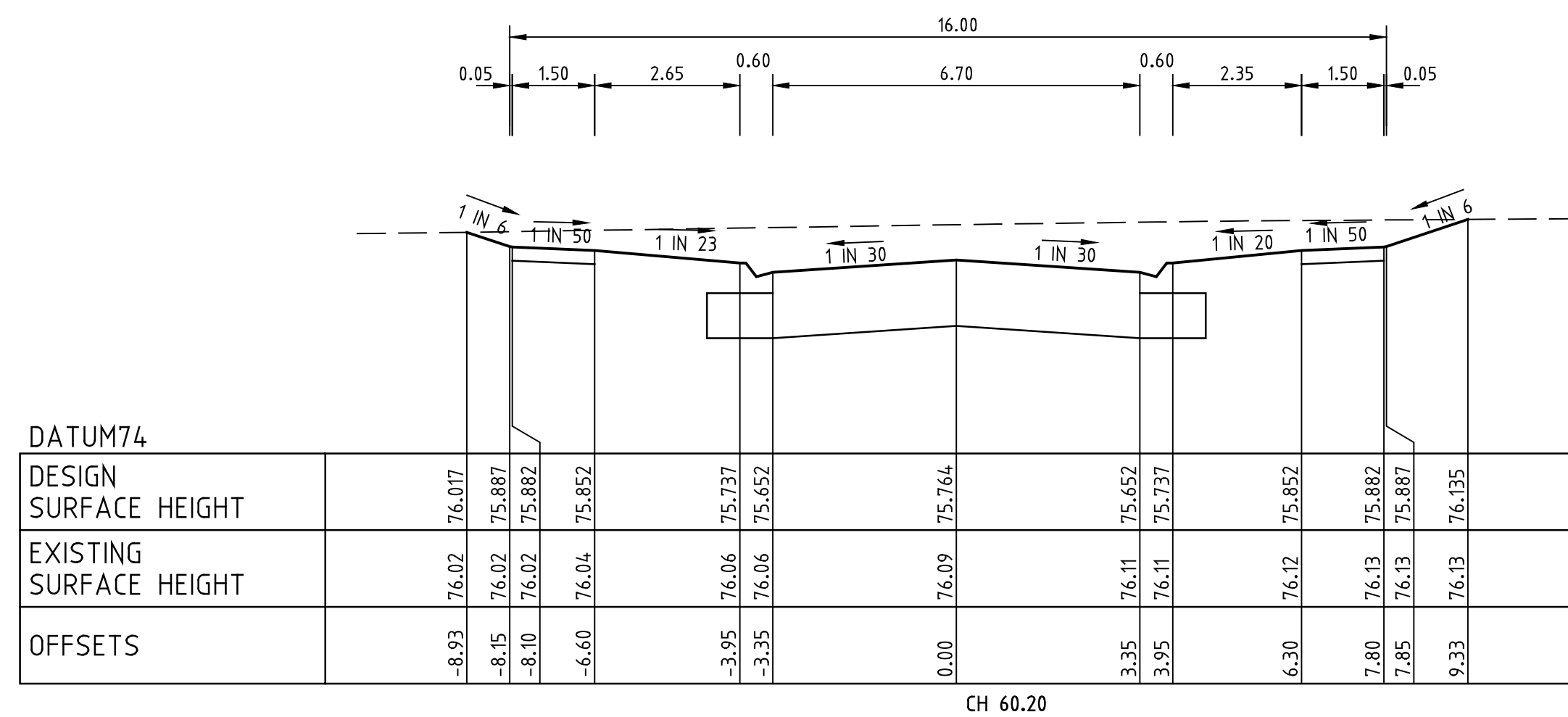
SHEET 9 OF 19

DRAWING No.
1275/21/NE/9

REV.

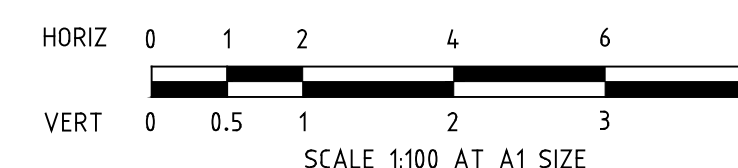
P2

PRELIMINARY



ROAD CROSS SECTIONS ABARTH GROVE - SHEET 1 of 2

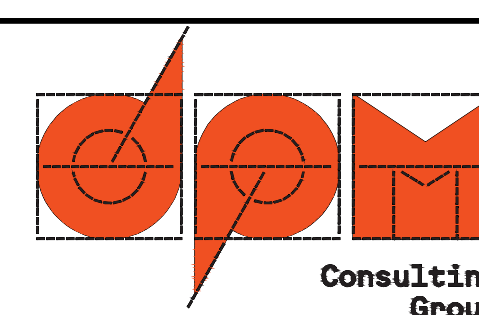
SCALES HOR 1 : 100 VER 1 : 50



PRELIMINARY

					LEGEND					
-	-	-	-	-		GAS MAIN		HOUSE DRAIN PROPOSED/EX.		CHAINAGES AND TANGENT POINTS
-	-	-	-	-		WATER MAIN		PROPERTY INLET, DRAINAGE PITS		EXISTING SURFACE LEVEL
-	-	-	-	-		RECYCLED WATER MAIN		EX./FUT. INLET, DRAINAGE PITS		FINISHED LEVEL (TITLE BOUNDARY)
-	-	-	-	-		ELECTRICITY CABLE		DRAINAGE PIT STAGE/NUMBER		DESIGN TOP/TOE OF BATTER LEVEL
-	-	-	-	-		TELECOMMUNICATIONS CABLE		SEWER LINE AND STRUCTURES		DESIGN PAVEMENT LEVEL
P2	COUNCIL REQUIREMENTS	31.3.21	J.B.			WATER CONDUIT		EX. SEWER LINE AND STRUCTURES		PROPOSED CONTOUR LINE & LEVEL
P1	PRELIMINARY ISSUE	9/12/20	J.B.			GAS CONDUIT		KERB AND CHANNEL		EXISTING CONTOUR LINE & LEVEL
						RECYCLED WATER CONDUIT		EX./FUT. KERB AND CHANNEL		FILLING IN EXCESS OF 200mm
						COMBINED SERVICES CONDUIT		KERB TO BE REMOVED OFFSITE		BATCH DRAIN AND INLET LEVEL
REV.	REVISION	DATE	APPD.			SEWER MAIN		STREET SIGN		EX. BATTER, EX. INLET, EX. BPROP. BATTER

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T: (03) 9538 5000



DRAWN:	J.BEVERIDGE
DESIGNED:	J.BEVERIDGE
CHECKED:	---
AUTHORISED:	---
DATE:	---

AUTHORITY:	CITY OF MELTON
PROJECT:	MODEINA STAGE 21
DETAILS:	ABARTH GROVE - CROSS SECTIONS - SHEET 1 OF 2

SCALE	1:100H, 1:50V
LEVEL DATUM	AHD
SHEET	10 OF 19
DRAWING No.	1275/21/NE/10
	REV
	P2

[illegible]

DATUM74														
DESIGN SURFACE	HEIGHT	75.065	74.87	74.865	74.835	74.72	74.635	74.747	74.635	74.72	74.835	74.865	74.87	74.991
EXISTING SURFACE	HEIGHT	75.07	75.06	75.06	75.05	75.04	75.04	75.03	75.02	75.02	75.01	75	75	74.99
OFFSETS		-9.32	-8.15	-8.10	-6.60	-3.95	-3.35	0.00	-3.35	-3.95	-6.30	-7.80	-2.85	-8.58

DATUM74					
DESIGN SURFACE HEIGHT					
EXISTING SURFACE HEIGHT					
OFFSETS					
	-9.53	75.24	75.239		
	-8.15	75.23	75.009		
	-8.10	75.23	75.004		
	-6.60	75.22	74.974		
	-3.95	75.21	74.859		
	-3.35	75.2	74.774		
	0.00	75.18	74.886		
	3.35	75.16	74.774		
	3.95	75.16	74.859		
	6.30	75.14	74.974		
	7.80	75.13	75.004		
	7.85	75.13	75.009		
	8.55	75.13	75.126		

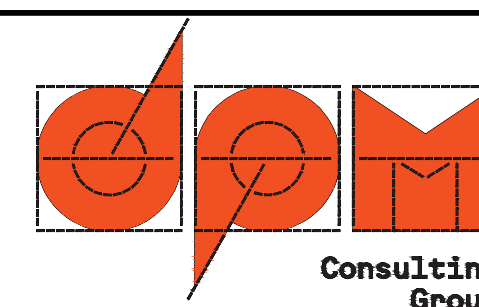
DATUM74	
DESIGN SURFACE HEIGHT	75.343 75.126 75.121 75.088 74.932 74.847 74.959 74.847 74.932 75.047 75.077 75.082 75.215
EXISTING SURFACE HEIGHT	75.34 75.34 75.34 75.33 75.31 75.3 75.28 75.26 75.26 75.24 75.22 75.22 75.22
OFFSETS	-10.52 -9.22 -9.17 -7.55 -3.95 -3.35 0.00 0.35 0.35 0.63 0.80 0.85 0.65

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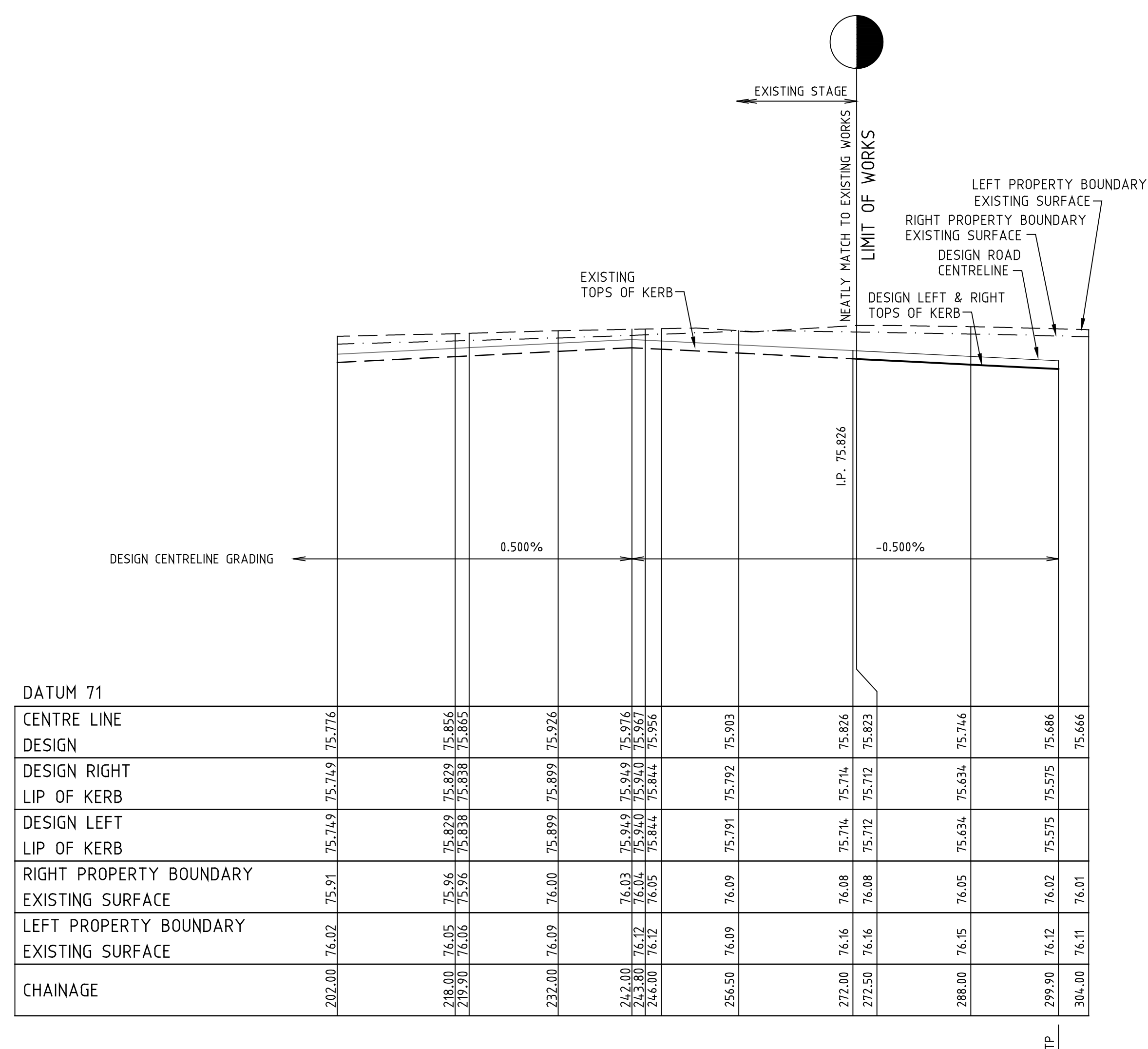
HORIZ 0 1 2 4 6
VERT 0 0.5 1 2 3
SCALE 1:100 AT A1 SIZE

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-	-	-	-	-		GAS MAIN		HOUSE DRAIN PROPOSED/EX.		CHAINAGES AND TANGENT POINTS
-	-	-	-	-		WATER MAIN		PROPERTY INLET, DRAINAGE PITS		EXISTING SURFACE LEVEL
-	-	-	-	-		RECYCLED WATER MAIN		EX./FUT. INLET, DRAINAGE PITS		FINISHED LEVEL (TITLE BOUNDARY)
-	-	-	-	-		ELECTRICITY CABLE		DRAINAGE PIT STAGE/NUMBER		DESIGN TOP/TOE OF BATTER LEVEL
-	-	-	-	-		TELECOMMUNICATIONS CABLE		SEWER LINE AND STRUCTURES		DESIGN PAVEMENT LEVEL
P2	COUNCIL REQUIREMENTS	31.3.21	J.B.			WATER CONDUIT		EX. SEWER LINE AND STRUCTURES		PROPOSED CONTOUR LINE & LEVEL
P1	PRELIMINARY ISSUE	9/12/20	J.B.			GAS CONDUIT		KERB AND CHANNEL		EXISTING CONTOUR LINE & LEVEL
						RECYCLED WATER CONDUIT		EX./FUT. KERB AND CHANNEL		FILLING IN EXCESS OF 200mm
						COMBINED SERVICES CONDUIT		KERB TO BE REMOVED OFFSITE		BATCH DRAIN AND INLET LEVEL
REV.		REVISION	DATE	APPD.		SEWER MAIN		STREET SIGN		EX. BATTER, EX. INLET, EX. BPROP. BATTER

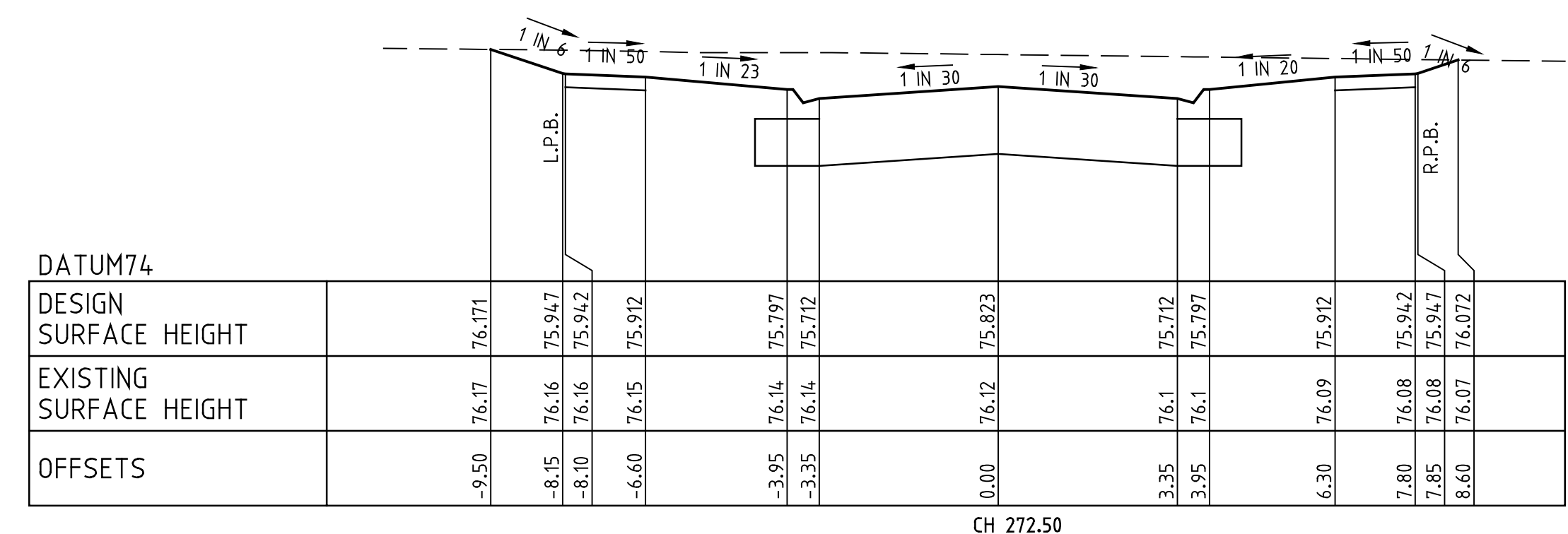
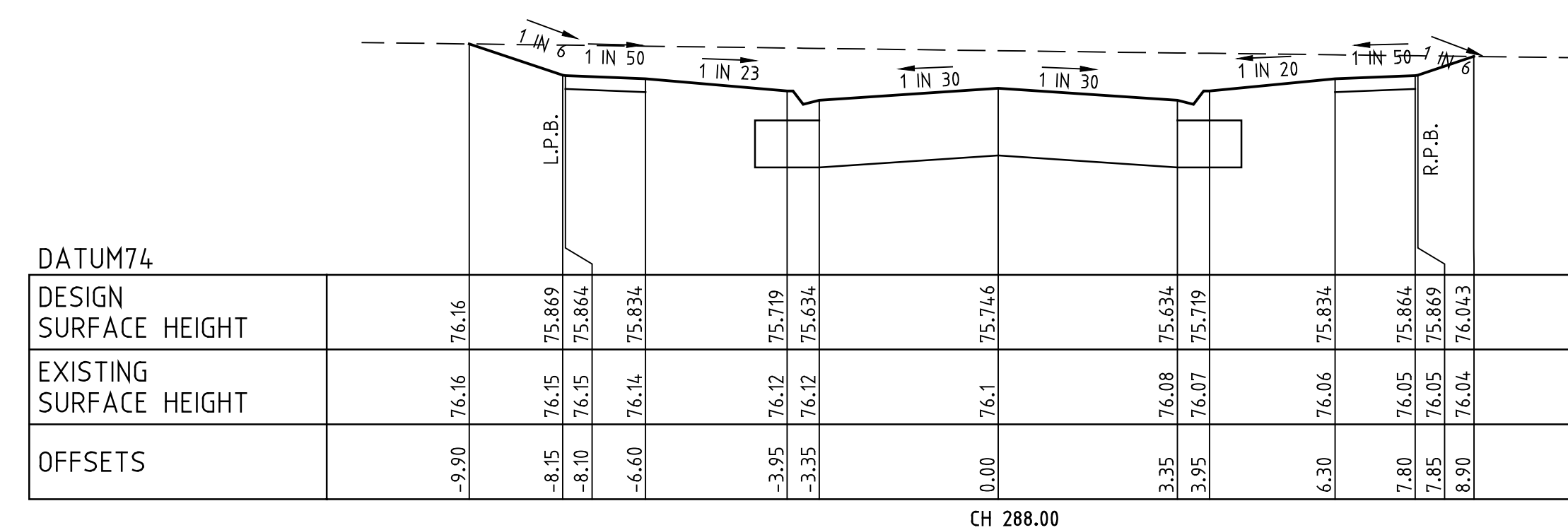
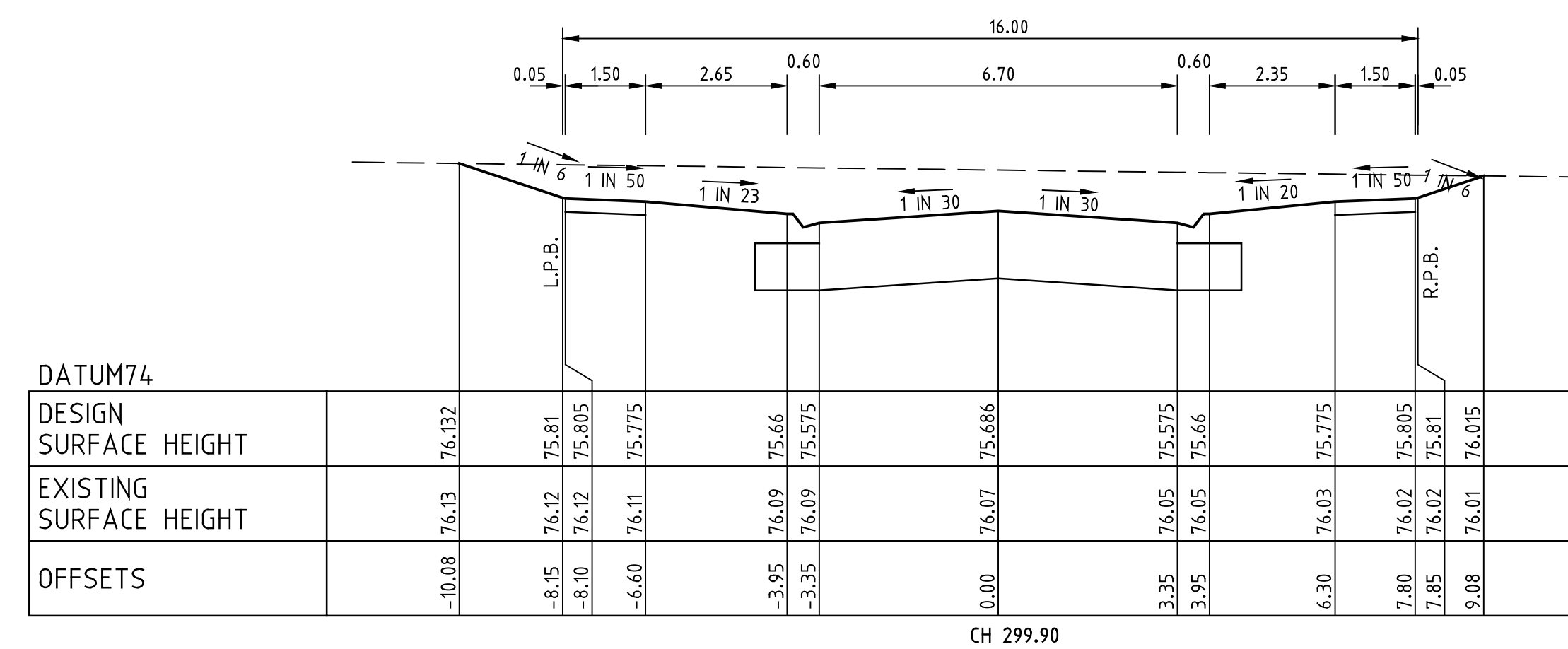
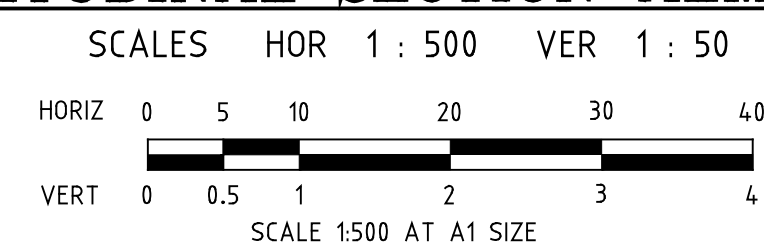
22 Business Park Drive Notting Hill 3168
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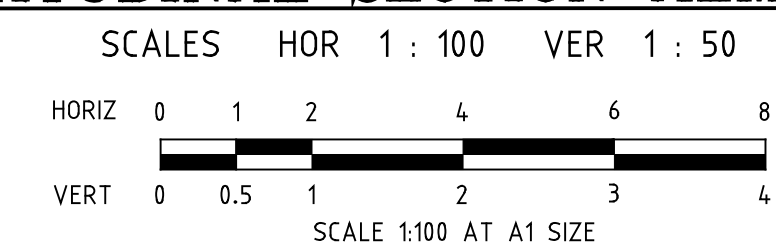
DRAWN: J.BEVERIDGE	AUTHORITY: CITY OF MELTON	SCALE 1:100H, 1:50V
DESIGNED: J.BEVERIDGE	PROJECT: MODEINA	LEVEL DATUM AHD
CHECKED: ----	STAGE 21	SHEET 11 OF 19
AUTHORISED: ----	DETAILS: ABARTH GROVE - CROSS SECTIONS	DRAWING No.
DATE: ----	- SHEET 2 OF 2	1275/21/NE/11
		REV. P2



ROAD LONGITUDINAL SECTION ALMENDRA AVENUE

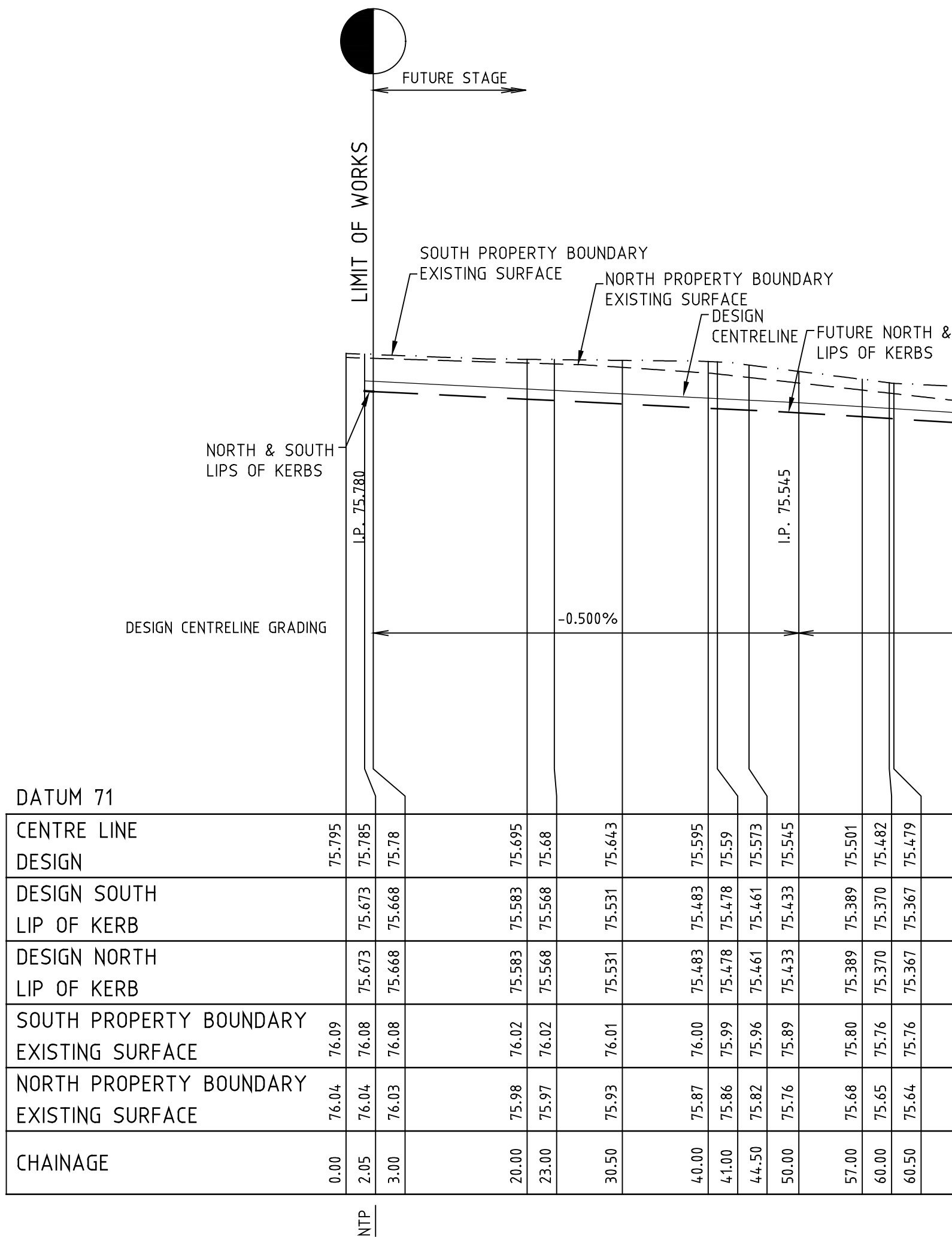


ROAD LONGITUDINAL SECTION ALMENDRA AVENUE



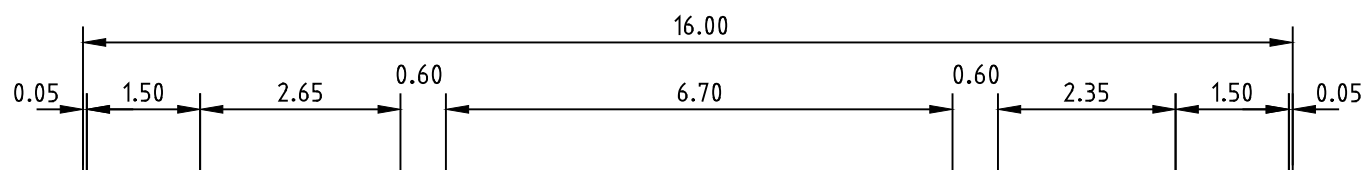
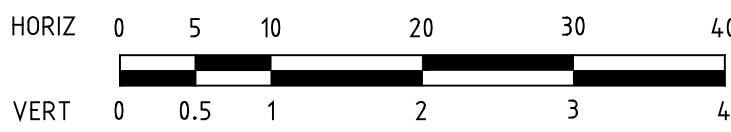
PRELIMINARY

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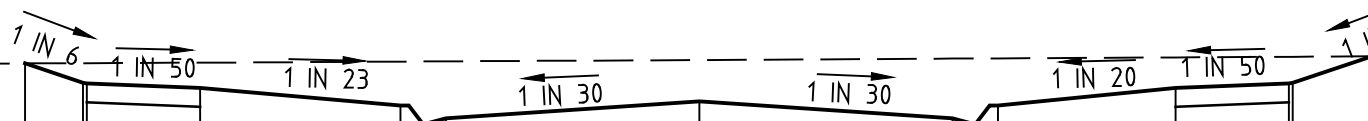


ROAD LONGITUDINAL SECTION FUTURA STREET

SCALES HOR 1 : 500 VER 1 : 50

[illegible]

CH 3.00

[illegible]

CH 2.05

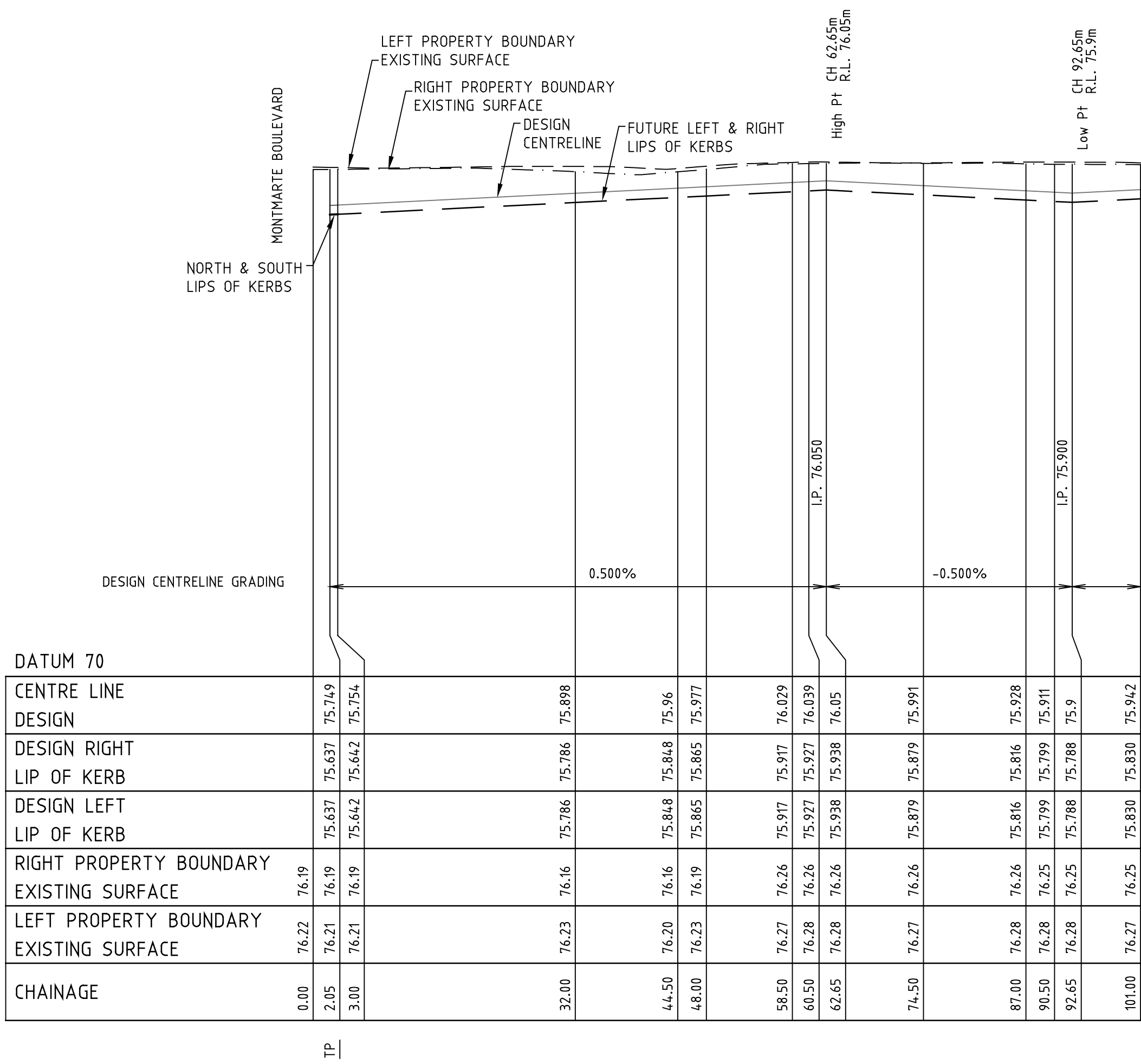
ROAD LONGITUDINAL SECTION FUTURA STREET

SCALES HOR 1 : 100 VER 1 : 50



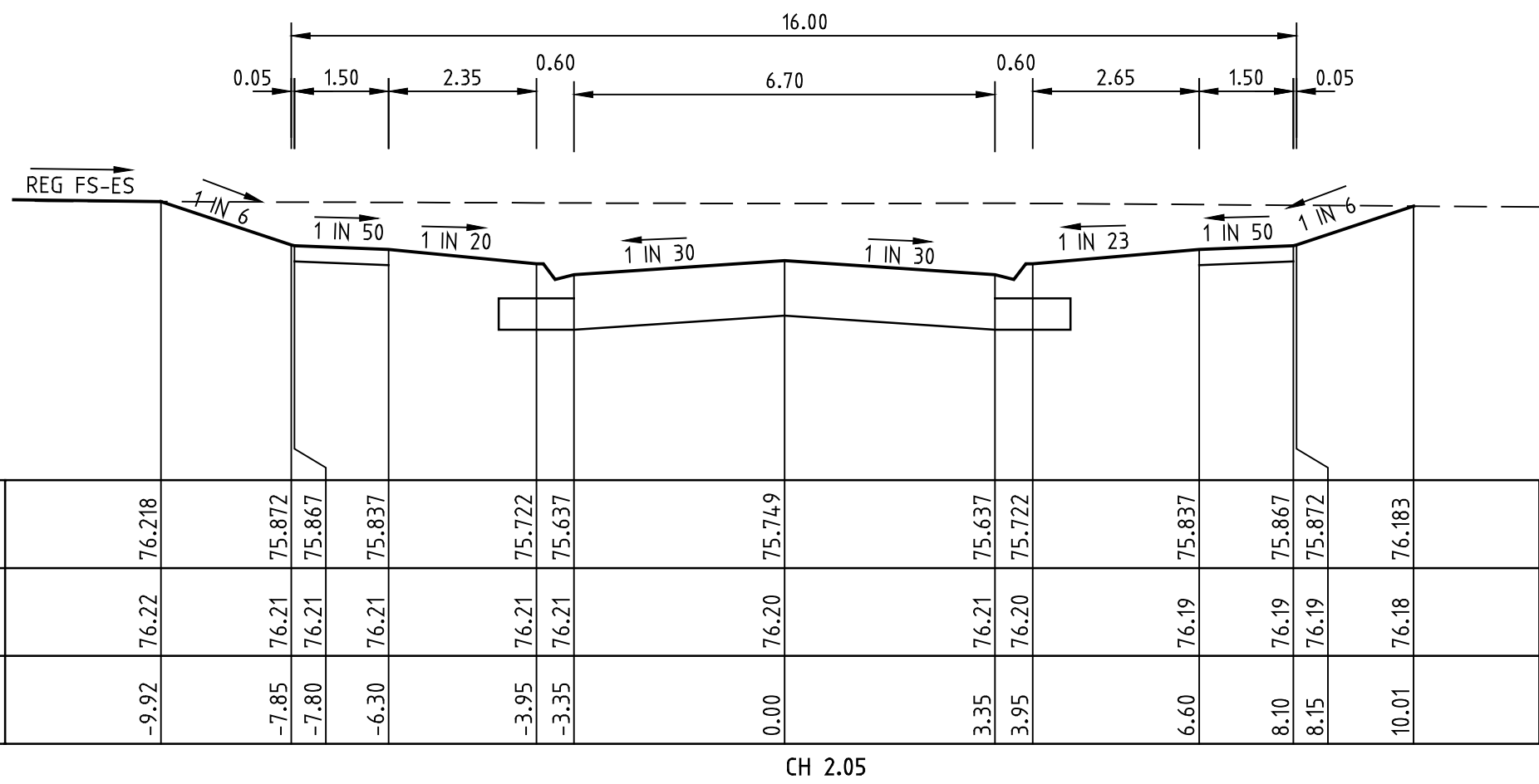
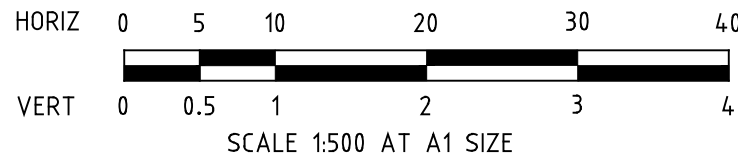
PRELIMINARY

				LEGEND <table><tr><td></td><td>GAS MAIN</td><td></td><td>HOUSE DRAIN PROPOSED/EX.</td><td></td><td>CHAINAGES AND TANGENT POINTS</td></tr><tr><td></td><td>WATER MAIN</td><td></td><td>PROPERTY INLET, DRAINAGE PITS</td><td></td><td>EXISTING SURFACE LEVEL</td></tr><tr><td></td><td>RECYCLED WATER MAIN</td><td></td><td>EX-/FUT. INLET, DRAINAGE PITS</td><td></td><td>FINISHED LEVEL (O/E BOUNDARY)</td></tr><tr><td></td><td>ELECTRICITY CABLE</td><td></td><td>DRAINAGE PIT STAGE/NUMBER</td><td></td><td>DESIGN TOP/TOE OF BATTER LEVEL</td></tr><tr><td></td><td>TELECOMMUNICATIONS CABLE</td><td></td><td>SEWER LINE AND STRUCTURES</td><td></td><td>DESIGN PAVEMENT LEVEL</td></tr><tr><td></td><td>WATER CONDUIT</td><td></td><td>EX-SEWER LINE AND STRUCTURES</td><td></td><td>PROPOSED CONTOUR LINE & LEVEL</td></tr><tr><td></td><td>GAS CONDUIT</td><td></td><td>KERB AND CHANNEL</td><td></td><td>EXISTING CONTOUR LINE & LEVEL</td></tr><tr><td></td><td>RECYCLED WATER CONDUIT</td><td></td><td>EX-/FUT. KERB AND CHANNEL</td><td></td><td>FILLING IN EXCESS OF 200mm</td></tr><tr><td></td><td>COMBINED SERVICES CONDUIT</td><td></td><td>KERB TO BE REMOVED OFFSITE</td><td></td><td>CATCH DRAIN AND INVERT LEVEL</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>											GAS MAIN		HOUSE DRAIN PROPOSED/EX.		CHAINAGES AND TANGENT POINTS		WATER MAIN		PROPERTY INLET, DRAINAGE PITS		EXISTING SURFACE LEVEL		RECYCLED WATER MAIN		EX-/FUT. INLET, DRAINAGE PITS		FINISHED LEVEL (O/E BOUNDARY)		ELECTRICITY CABLE		DRAINAGE PIT STAGE/NUMBER		DESIGN TOP/TOE OF BATTER LEVEL		TELECOMMUNICATIONS CABLE		SEWER LINE AND STRUCTURES		DESIGN PAVEMENT LEVEL		WATER CONDUIT		EX-SEWER LINE AND STRUCTURES		PROPOSED CONTOUR LINE & LEVEL		GAS CONDUIT		KERB AND CHANNEL		EXISTING CONTOUR LINE & LEVEL		RECYCLED WATER CONDUIT		EX-/FUT. KERB AND CHANNEL		FILLING IN EXCESS OF 200mm		COMBINED SERVICES CONDUIT		KERB TO BE REMOVED OFFSITE		CATCH DRAIN AND INVERT LEVEL							22 Business Park Drive Notting Hill 3168 A.C.N. 006 550 803 E: consulting@dpmvmc.com.au W: www.dpmvmc.com.au T: (03) 9538 5000 Consulting Group				DRAWN: J.BEVERIDGE		AUTHORITY: CITY OF MELTON		SCALE AS SHOWN	
	GAS MAIN		HOUSE DRAIN PROPOSED/EX.		CHAINAGES AND TANGENT POINTS																																																																														
	WATER MAIN		PROPERTY INLET, DRAINAGE PITS		EXISTING SURFACE LEVEL																																																																														
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	ELECTRICITY CABLE		DRAINAGE PIT STAGE/NUMBER		DESIGN TOP/TOE OF BATTER LEVEL																																																																														
	TELECOMMUNICATIONS CABLE		SEWER LINE AND STRUCTURES		DESIGN PAVEMENT LEVEL																																																																														
	WATER CONDUIT		EX-SEWER LINE AND STRUCTURES		PROPOSED CONTOUR LINE & LEVEL																																																																														
	GAS CONDUIT		KERB AND CHANNEL		EXISTING CONTOUR LINE & LEVEL																																																																														
	RECYCLED WATER CONDUIT		EX-/FUT. KERB AND CHANNEL		FILLING IN EXCESS OF 200mm																																																																														
	COMBINED SERVICES CONDUIT		KERB TO BE REMOVED OFFSITE		CATCH DRAIN AND INVERT LEVEL																																																																														
				DESIGNED: J.BEVERIDGE		PROJECT: MODEINA		LEVEL DATUM AHD																																																																											
P2 COUNCIL REQUIREMENTS		31.3.21		J.B.		CHECKED: ----		STAGE 21		SHEET 13 OF 19																																																																									
P1 PRELIMINARY ISSUE		9/12/20		J.B.		AUTHORISED: ----		FUTURA STREET - LONGITUDINAL & CROSS SECTIONS		DRAWING No.																																																																									
REV.		REVISION		DATE		APPD.		DETAILS: ----		REV. P2																																																																									
								1275/21/NE/13																																																																											



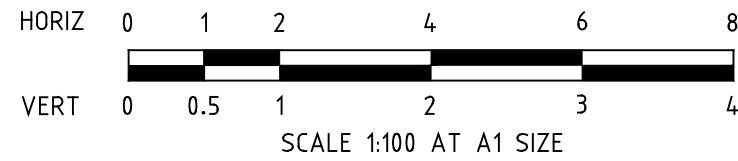
ROAD LONGITUDINAL SECTION TULLA CIRCUIT

SCALES HOR 1 : 500 VER 1 : 50



ROAD LONGITUDINAL SECTION TULLA CIRCUIT

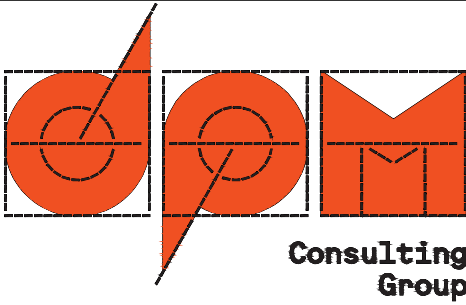
SCALES HOR 1 : 100 VER 1 : 50



PRELIMINARY

-	-	-	-		GAS MAIN		HOUSE DRAIN PROPOSED/EX.		CHAINAGES AND TANGENT POINTS
-	-	-	-		WATER MAIN		PROPERTY INLET, DRAINAGE PITS		EXISTING SURFACE LEVEL
-	-	-	-		RECYCLED WATER MAIN		EX./FUT. INLET, DRAINAGE PITS		FINISHED LEVEL (TITLE BOUNDARY)
-	-	-	-		ELECTRICITY CABLE		DRAINAGE PIT STAGE/NUMBER		DESIGN TOP/TOP OF BATTER LEVEL
P2	COUNCIL REQUIREMENTS	31.3.21	J.B.		TELECOMMUNICATIONS CABLE		SEWER LINE AND STRUCTURES		DESIGN PAVEMENT LEVEL
P1	PRELIMINARY ISSUE	9/12/20	J.B.		WATER CONDUIT		EX. SEWER LINE AND STRUCTURES		PROPOSED CONTOUR LINE & LEVEL
REV.	REVISION	DATE	APPD.		GAS CONDUIT		KERB AND CHANNEL		EXISTING CONTOUR LINE & LEVEL
					RECYCLED WATER CONDUIT		EX./FUT. KERB AND CHANNEL		FILLING IN EXCESS OF 200mm
					COMBINED SERVICES CONDUIT		KERB TO BE REMOVED OFFSITE		CATCH DRAIN AND INVERT LEVEL
					T.B.M.		P.S.M.		EX. BATTER
					STREET SIGN		PROP. BATTER		

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DRAWN: J.BEVERIDGE
DESIGNED: J.BEVERIDGE
CHECKED: ----
AUTHORISED: ----
DATE: ----

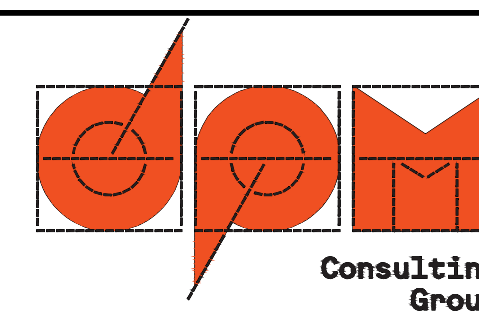
AUTHORITY: CITY OF MELTON
PROJECT: MODEINA STAGE 21
DETAILS: LAYOUT 1
TULLA CIRCUIT - LONGITUDINAL & CROSS SECTIONS

SCALE AS SHOWN
LEVEL DATUM AHD
SHEET 14 OF 19
DRAWING No. 1275/21/NE/14
REV. P2



HORIZ 0 5 10 20 30 40
VERT 0 0.5 1 2 3 4
SCALE 1:500 AT A1 SIZE

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AUTHORITY:	CITY OF MELTON
PROJECT:	MODEINA STAGE 21
DETAILS:	MONTMARE BOUL ----

PRELIMINARY

SHEET 15 OF 19	
DRAWING No.	REV.
1275/21/NE/15	P2

APPROVED
DETAILED ENGINEERING PLANS
Peng Hua
ENGINEERING SERVICES
Date: 23/04/2021

[illegible]

CH 527.71

[illegible]

CH 524.52

[illegible]

CH 519.88

[illegible]

CH 598.68

[illegible]

CH 568.71

[illegible]

CH 536.43

ROAD CROSS SECTIONS MONTMARTE BOULEVARD

SCALES HOR 1 : 100 VER 1 : 50

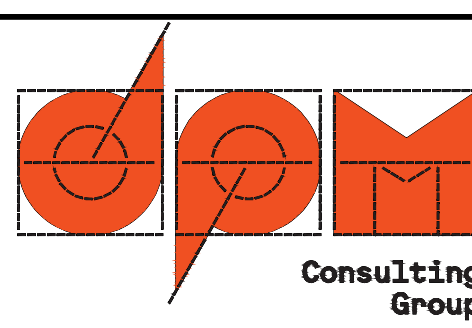


SCALE 1:100 AT A1 SIZE

LEGEND

REV.	REVISION	DATE	APPD.	DESCRIPTION	LEGEND	CHANGES AND TANGENT POINTS
P1	COUNCIL REQUIREMENTS	31.3.21	J.B.	6 GAS MAIN 7 WATER MAIN 8 RECYCLED WATER MAIN 9 ELECTRICITY CABLE 10 TELECOMMUNICATIONS CABLE 11 WATER CONDUIT 12 GAS CONDUIT 13 RECYCLED WATER CONDUIT 14 COMBINED SERVICES CONDUIT	- HOUSE DRAIN PROPOSED/EX. - PROPERTY INLET, DRAINAGE PITS - EX./FUT. INLET, DRAINAGE PITS - DRAINAGE PIT STAGE/NUMBER - SEWER LINE AND STRUCTURES - EX SEWER LINE AND STRUCTURES - PROPOSED KERB AND CHANNEL - EX./FUT. KERB AND CHANNEL - KERB TO BE REMOVED OFFSITE - STREET SIGN	- EXISTING SURFACE LEVEL - FINISHED LEVEL (TITLE BOUNDARY) - DESIGN TOP/OTE OF BATTER LEVEL - DESIGN PAVEMENT LEVEL - PROPOSED FINISH TOUR LINE & LEVEL - EXISTING CONTOUR LINE & LEVEL - FILLING IN EXCESS OF 200mm - CATCH DRAIN AND INVERT LEVEL - EX. BATTER / TYP. BATTER

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DESIGNED: J.BEVERIDGE

CHECKED: ----

AUTHORISED: ---

DATE: ---

AUTHORITY: **CITY OF MELTON**

PROJECT:

1

DETAIL S.

1

AUTHORITY: **CITY OF MELTON**

PROJECT: **MODEINA**
STAGE 21

DETAILS: **MONTMARTE BOULEVARD - CROSS SECTIONS**

SCALE 1:100H, 1:50V

LEVEL	DATUM	AHD
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SHEET 16 OF 19

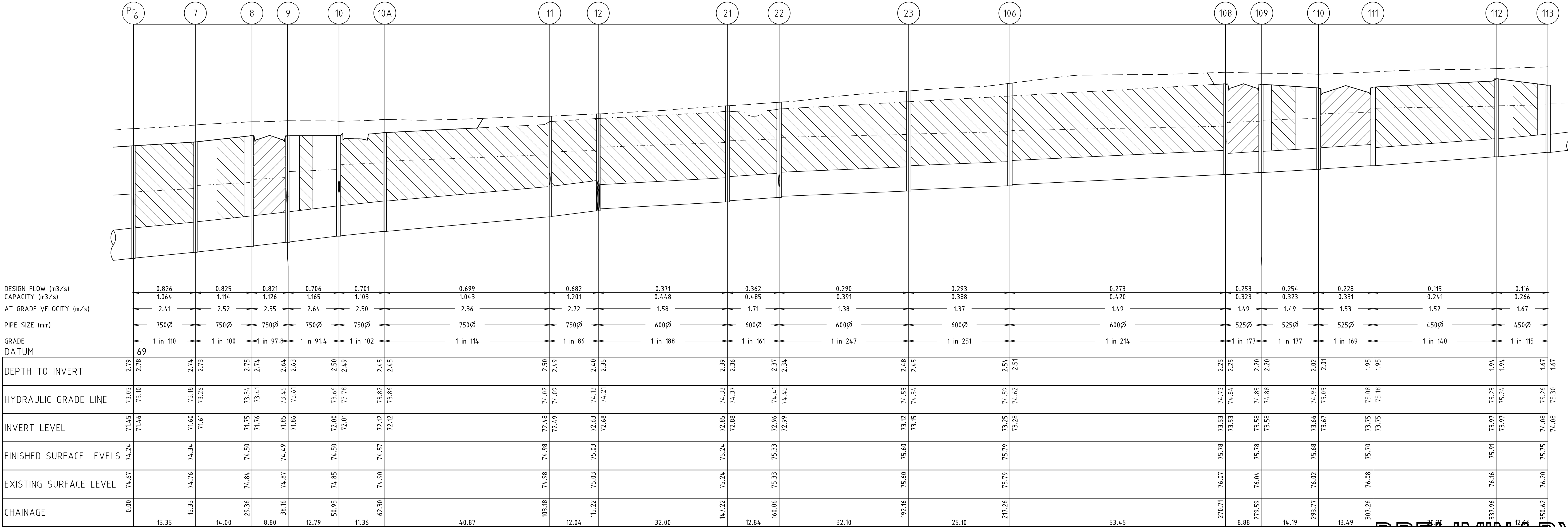
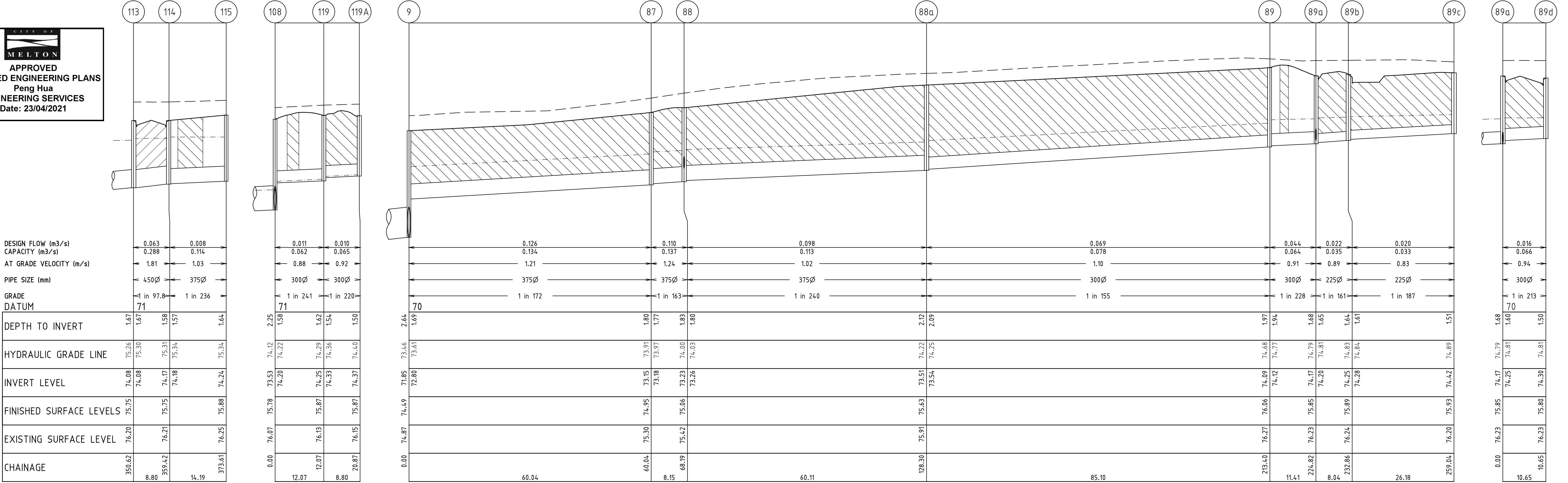
DRAWING No.
1275/21/NE/16

REV.

33

MELTON

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DETAILED ENGINEERING PLANS
Peng Hua
ENGINEERING SERVICES
Date: 23/04/2021



REV.

REVISION

DATE

APPD.

P2

COUNCIL REQUIREMENTS

31.3.21

J.B.

P1

PRELIMINARY ISSUE

9/12/20

J.B.

LEGEND

GAS MAIN

WATER MAIN

RECYCLED WATER MAIN

ELECTRICITY CABLE

TELECOMMUNICATIONS CABLE

WATER CONDUIT

GAS CONDUIT

RECYCLED WATER CONDUIT

COMBINED SERVICES CONDUIT

T.B.M.

P.S.M.

HOUSE DRAIN PROPOSED/EX.

PROPERTY INLET, DRAINAGE PITS

EX./FUT. INLET, DRAINAGE PITS

DRAINAGE PIT STAGE/NUMBER

SEWER LINE AND STRUCTURES

EX-SEWER LINE AND STRUCTURES

KERB AND CHANNEL

EX./FUT. KERB AND CHANNEL

KERB TO BE REMOVED OFFSITE

STREET SIGN

CHAINS AND TANGENT POINTS

EXISTING SURFACE LEVEL

FINISHED LEVEL (TITLE BOUNDARY)

DESIGN TOP/TOP OF BATTER LEVEL

DESIGN PAVEMENT LEVEL

PROPOSED CONTOUR LINE & LEVEL

EXISTING CONTOUR LINE & LEVEL

FILLING IN EXCESS OF 200mm

CATCH DRAIN AND INVERT LEVEL

EX. BATTER

PROP. BATTER

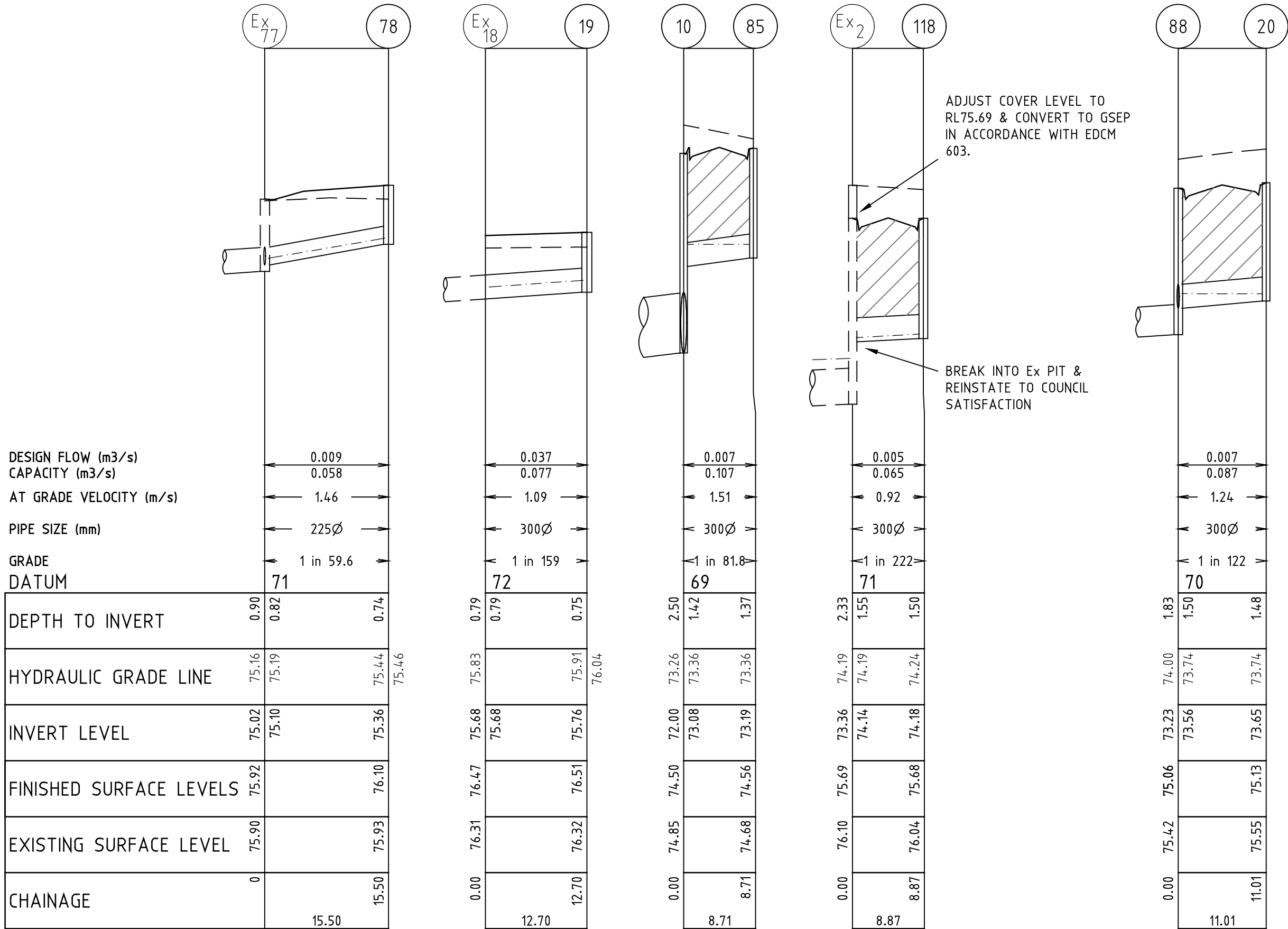
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Consulting Group

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DESIGNED: J.BEVERIDGE
CHECKED: ----
AUTHORISED: ----
DATE: ----

AUTHORITY: CITY OF MELTON
PROJECT: MODEINA
STAGE 21
DETAILS: DRAINAGE LONGITUDINAL SECTIONS - SHEET 1 OF 2

SCALE 1:500H, 1:50V
LEVEL DATUM AHD
SHEET 17 OF 19
DRAWING No.
1275/21/NE/17
REV. P2



INDICATES CLASS 2 CRUSHED ROCK BACKFILL

INDICATES CLASS 3 CRUSHED ROCK BACKFILL

PIT SCHEDULE										
PIT No.		INTERNAL		INLET		OUTLET		F.S.L.	PIT DEPTH	REMARKS
		WID.	LEN.	DIA.	INV R.L.	DIA.	INV R.L.			
Pr 6	Pr JP	1050	900	750	71.46	Pr 750	71.45	74.24	2.79	CONNECT TO STUB IN PROPOSED PIT
7	JP	1050	900	750	71.61	750	71.60	74.34	2.74	REFER EDCM 607, SHAFT TO BE 600x900mm
8	GSEP	1050	600	750	71.76	750	71.75	74.50	2.75	REFER EDCM 603 & 607, SHAFT TO BE 600x900mm
9	GSEP	1050	600	750	71.86	750	71.85	74.49	2.64	REFER EDCM 603 & 607, SHAFT TO BE 600x900mm
10	GSEP	1050	900	750	72.01	750	72.00	74.50	2.50	REFER EDCM 601 & 607, SHAFT TO BE 600x900mm
10a	GSEP	1050	900	750	72.12	750	72.12	74.57	2.45	REFER EDCM 601 & 607, SHAFT TO BE 600x900mm
11	JP	1050	900	750	72.49	750	72.48	74.98	2.50	REFER EDCM 607, SHAFT TO BE 600x900mm
12	JP	750	1050	600	72.68	750	72.63	75.03	2.40	REFER VICROADS SD1022 & SD1023, SHAFT TO BE 600x900mm
21	JP	750	900	600	72.88	600	72.85	75.24	2.39	REFER EDCM 607, SHAFT TO BE 600x900mm
22	JP	750	900	600	72.99	600	72.96	75.33	2.37	REFER EDCM 607, SHAFT TO BE 600x900mm
23	JP	750	900	600	73.15	600	73.12	75.60	2.48	REFER EDCM 607, SHAFT TO BE 600x900mm
106	JP	750	900	600	73.28	600	73.25	75.79	2.54	REFER EDCM 607, SHAFT TO BE 600x900mm
108	GSEP	750	900	525	73.53	600	73.53	75.78	2.25	REFER EDCM 603
109	GSEP	900	600	525	73.58	525	73.58	75.78	2.20	REFER EDCM 603
110	JP	750	900	525	73.67	525	73.66	75.68	2.02	REFER EDCM 607, SHAFT TO BE 600x900mm
111	GSEP	900	600	450	73.75	525	73.75	75.70	1.95	REFER EDCM 603
112	GSEP	600	900	450	73.97	450	73.97	75.91	1.94	REFER EDCM 603
113	GSEP	900	600	450	74.08	450	74.08	75.75	1.67	REFER EDCM 603
114	GSEP	900	600	375	74.18	450	74.17	75.75	1.58	REFER EDCM 603
115	GSEP	600	900	300	74.27	375	74.24	75.88	1.64	REFER EDCM 603
119	JP	900	600	300	74.33	300	74.25	75.87	1.62	REFER EDCM 605
119a	GSEP	600	900	300	74.37	300	74.37	75.87	1.50	REFER EDCM 603
87	JP	600	900	375	73.18	375	73.15	74.95	1.80	REFER EDCM 605
88	GSEP	600	900	375	73.26	375	73.23	75.06	1.83	REFER EDCM 603
88a	GSEP	600	900	300	73.54	375	73.51	75.63	2.12	REFER EDCM 603
89	JP	600	900	300	74.12	300	74.09	76.06	1.97	REFER EDCM 605
89a	GSEP	600	900	225	74.20	300	74.17	75.85	1.68	REFER EDCM 603
89b	GSEP	600	900	225	74.28	225	74.25	75.89	1.64	REFER EDCM 603
89c	JP	600	900	-	-	225	74.42	75.93	1.51	REFER EDCM 605
89d	GSEP	600	900	-	-	300	74.30	75.80	1.50	REFER EDCM 603
19	JP	600	900	-	-	300	75.76	76.51	0.75	REFER EDCM 605
Pr 77a	Pr JP	900	600	Pr 225	75.10	Pr 300	75.02	75.92	0.90	CONNECT TO STUB IN PROPOSED PIT
78	JP	600	900	-	-	225	75.36	76.10	0.74	REFER EDCM 605
85	GSEP	900	600	-	-	300	73.19	74.56	1.37	REFER EDCM 603
20	GSEP	900	600	-	-	300	73.65	75.13	1.48	REFER EDCM 603
Ex 2	Ex JP	900	750	Ex 450	73.46	Ex 450	73.36	75.69	2.33	BREAK INTO EXISTING PIT & REINSTATE. ADJUST COVER LEVEL TO RL75.69 & CONVERT TO GSEP AS PER EDCM 603
118	GSEP	900	600	-	-	300	74.18	75.68	1.50	REFER EDCM 603
Ex 3	Ex JP	900	750	Ex 450	73.54	Ex 450	73.49	75.75	2.26	BREAK INTO EXISTING PIT & REINSTATE. ADJUST COVER LEVEL TO RL75.75 & CONVERT TO GSEP AS PER EDCM 603

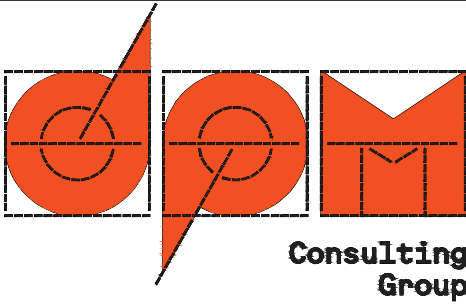
NOTATION:
JP = JUNCTION PIT
SEP = SIDE ENTRY PIT
DSEP = DOUBLE SIDE ENTRY PIT
EP = END OF PIPE
× = DOUBLE HAUNCHED PIT
WIDTH OF PIT IS MEASURED AT THE OUTLET

CITY OF MELTON

APPROVED
DETAILED ENGINEERING PLANS
Peng Hua
ENGINEERING SERVICES
Date: 23/04/2021

REV.	REVISION	DATE	APPD.	LEGEND
-	-	-	-	GAS MAIN
-	-	-	-	WATER MAIN
-	-	-	-	RECYCLED WATER MAIN
-	-	-	-	ELECTRICITY CABLE
-	-	-	-	TELECOMMUNICATIONS CABLE
P2	COUNCIL REQUIREMENTS	31.3.21	J.B.	WATER CONDUIT
P1	PRELIMINARY ISSUE	9/12/20	J.B.	GAS CONDUIT
				RECYCLED WATER CONDUIT
				COMBINED SERVICES CONDUIT
				T.B.M.
				P.S.M.
				HOUSE DRAIN PROPOSED/EX.
				PROPERTY INLET, DRAINAGE PITS
				EX./FUT. INLET, DRAINAGE PITS
				DRAINAGE PIT STAGE/NUMBER
				SEWER LINE AND STRUCTURES
				EX. SEWER LINE AND STRUCTURES
				KERB AND CHANNEL
				EX./FUT. KERB AND CHANNEL
				KERB TO BE REMOVED OFFSITE
				STREET SIGN
				CHAINAGES AND TANGENT POINTS
				EXISTING SURFACE LEVEL
				FINISHED LEVEL (TITLE BOUNDARY)
				DESIGN TOP/TOE OF BATTER LEVEL
				DESIGN PAVEMENT LEVEL
				PROPOSED CONTOUR LINE & LEVEL
				EXISTING CONTOUR LINE & LEVEL
				FILLING IN EXCESS OF 200mm
				CATCH DRAIN AND INVERT LEVEL
				EX. BATTER
				PROP. BATTER

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DESIGNED: J.BEVERIDGE
CHECKED: ----
AUTHORISED: ----
DATE: ----

AUTHORITY: CITY OF MELTON

PROJECT: MODEINA
STAGE 21

DETAILS: DRAINAGE LONGITUDINAL SECTIONS
SHEET 1 OF 2 & PIT SCHEDULE

SCALE 1:500H, 1:50V

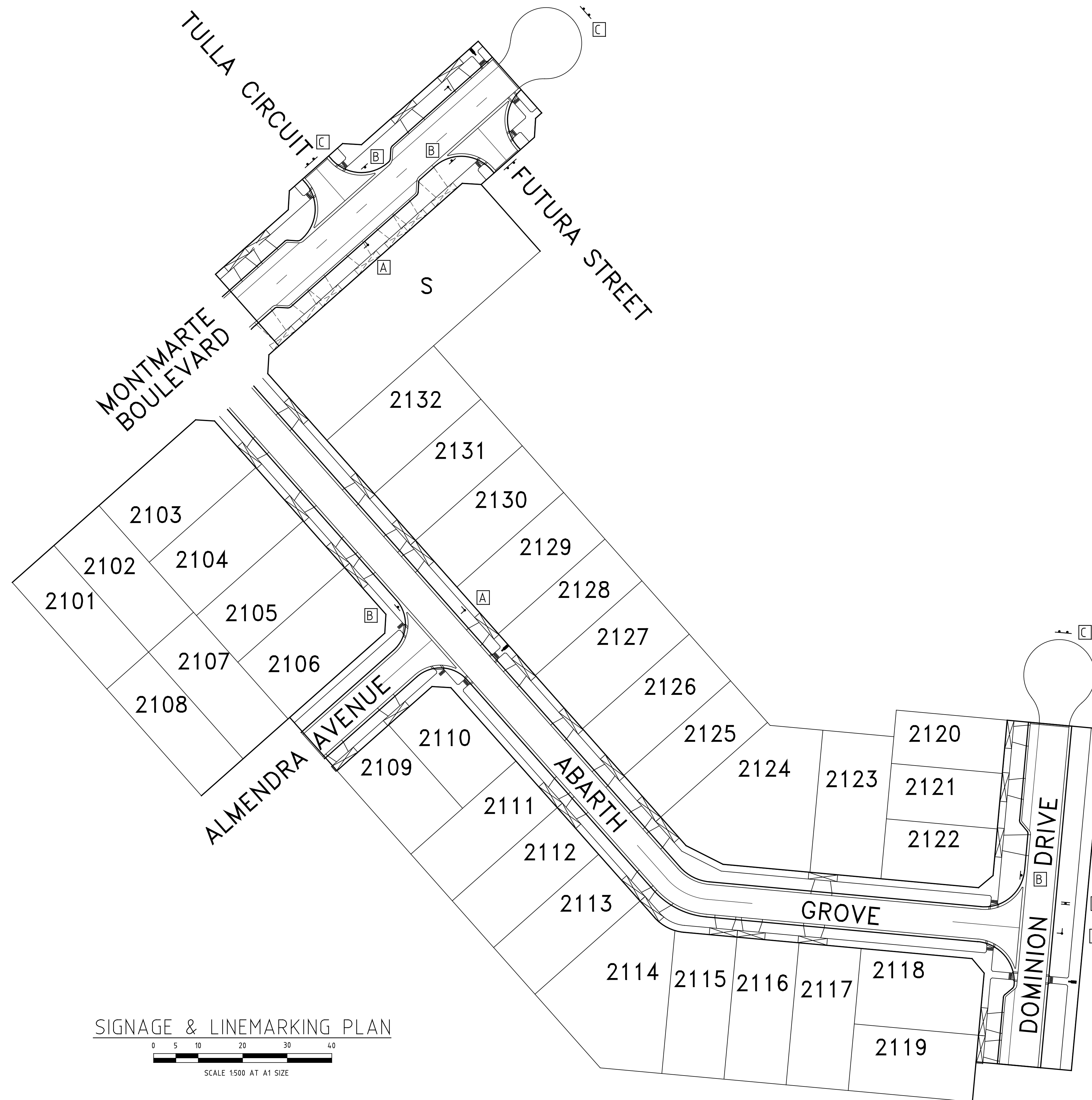
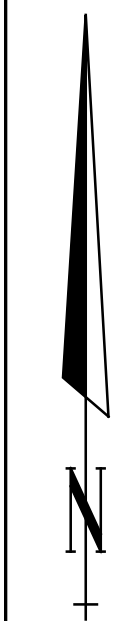
LEVEL DATUM AHD

SHEET 18 OF 19

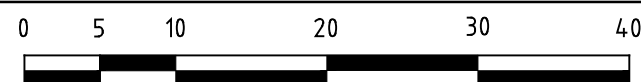
DRAWING No.
1275/21/NE/18

REV.
P2

PRELIMINARY



SIGNAGE & LINEMARKING PLAN



SCALE 1:500 AT A1 SIZE

NOTE:
THE LOCATIONS OF TGSIs SHOWN ON THESE PLANS ARE INDICATIVE ONLY. TGSIs ARE TO BE INSTALLED IN ACCORDANCE WITH CITY OF MELTON STANDARD DRAWING MCC 403 AND AS 1428.4. REFER TO VICROADS TRAFFIC ENGINEERING MANUAL VOLUME 2, TABLE 18.3 FOR LINEMARKING DETAILS.

SIGNAGE LEGEND	
A	STREET SIGN - DOUBLE BLADE
B	GIVE WAY SIGN (R1-2A) - CLASS 1.
C	NO ROAD AND OBSTRUCTION MARKER SIGN (D4-5).
D	SHARED PATH R8-2, DUAL MOUNTED (FACING NORTH & SOUTH) ON ONE POLE.
	TGSI - to be located and installed in accordance with AS1428.4.



APPROVED
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Peng Hua
ENGINEERING SERVICES
Date: 23/04/2021

THESE DRAWINGS ARE TO BE USED ONLY FOR THE PURPOSE FOR WHICH THEY WERE INTENDED. NO RESPONSIBILITY WILL BE BORNE BY THE ENGINEERING CONSULTANT SHOULD THESE DRAWINGS BE USED FOR ANY OTHER PURPOSE.

PRELIMINARY

-	-	-	-		GAS MAIN		HOUSE DRAIN PROPOSED/EX.		CHAINAGES AND TANGENT POINTS	22 Business Park Drive Notting Hill 3168 A.C.N. 006 550 803 E: consulting@dpmvic.com.au W: www.dpmvic.com.au T: (03) 9538 5000  Consulting Group	DRAWN: J.BEVERIDGE	AUTHORITY: CITY OF MELTON	SCALE 1:500
-	-	-	-		WATER MAIN		PROPERTY INLET, DRAINAGE PITS		EXISTING SURFACE LEVEL		DESIGNED: J.BEVERIDGE	PROJECT: MODEINA	LEVEL DATUM AHD
-	-	-	-		RECYCLED WATER MAIN		EX./FUT. INLET, DRAINAGE PITS		FINISHED LEVEL (TITLE BOUNDARY)		CHECKED: ----	STAGE 21	SHEET 19 OF 19
-	-	-	-		ELECTRICITY CABLE		DRAINAGE PIT STAGE/NUMBER		DESIGN TOP/TOE OF BATTER LEVEL		AUTHORISED: ----	SIGNAGE & LINEMARKING PLAN	DRAWING No.
-	-	-	-		TELECOMMUNICATIONS CABLE		SEWER LINE AND STRUCTURES		DESIGN PAVEMENT LEVEL		DATE: ----	-----	1275/21/NE/19
P2	COUNCIL REQUIREMENTS	31.3.21	J.B.		EX-SEWER LINE AND STRUCTURES		PROPOSED CONTOUR LINE & LEVEL		EXISTING CONTOUR LINE & LEVEL				REV.
P1	PRELIMINARY ISSUE	9/12/20	J.B.		GAS CONDUIT		KERB AND CHANNEL		FILLING IN EXCESS OF 200mm				P2
					RECYCLED WATER CONDUIT		EX./FUT. KERB AND CHANNEL		CATCH DRAIN AND INVERT LEVEL				
					COMBINED SERVICES CONDUIT		KERB TO BE REMOVED OFFSITE		STREET SIGN				
					T.B.M.		P.S.M.						