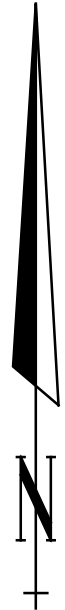


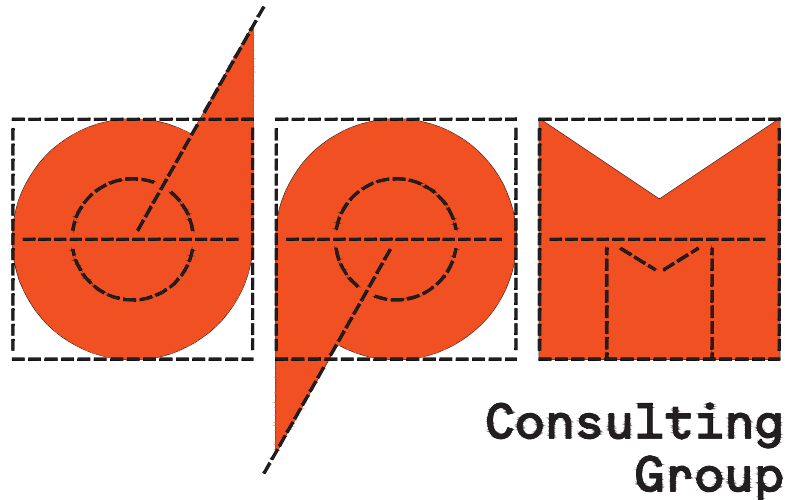
MODEINA STAGE 17

ROADS AND DRAINAGE

CITY OF MELTON

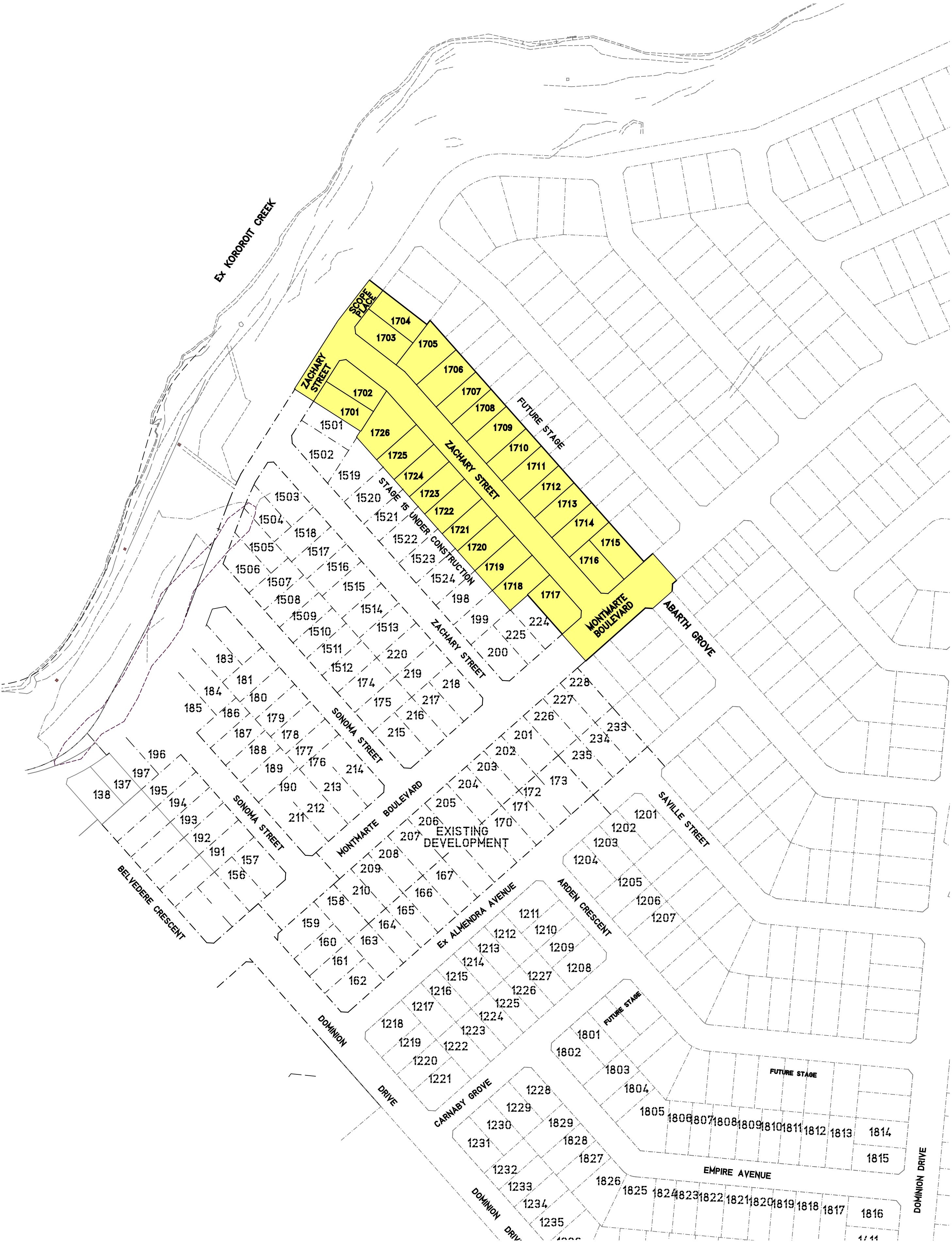


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DRAWING INDEX

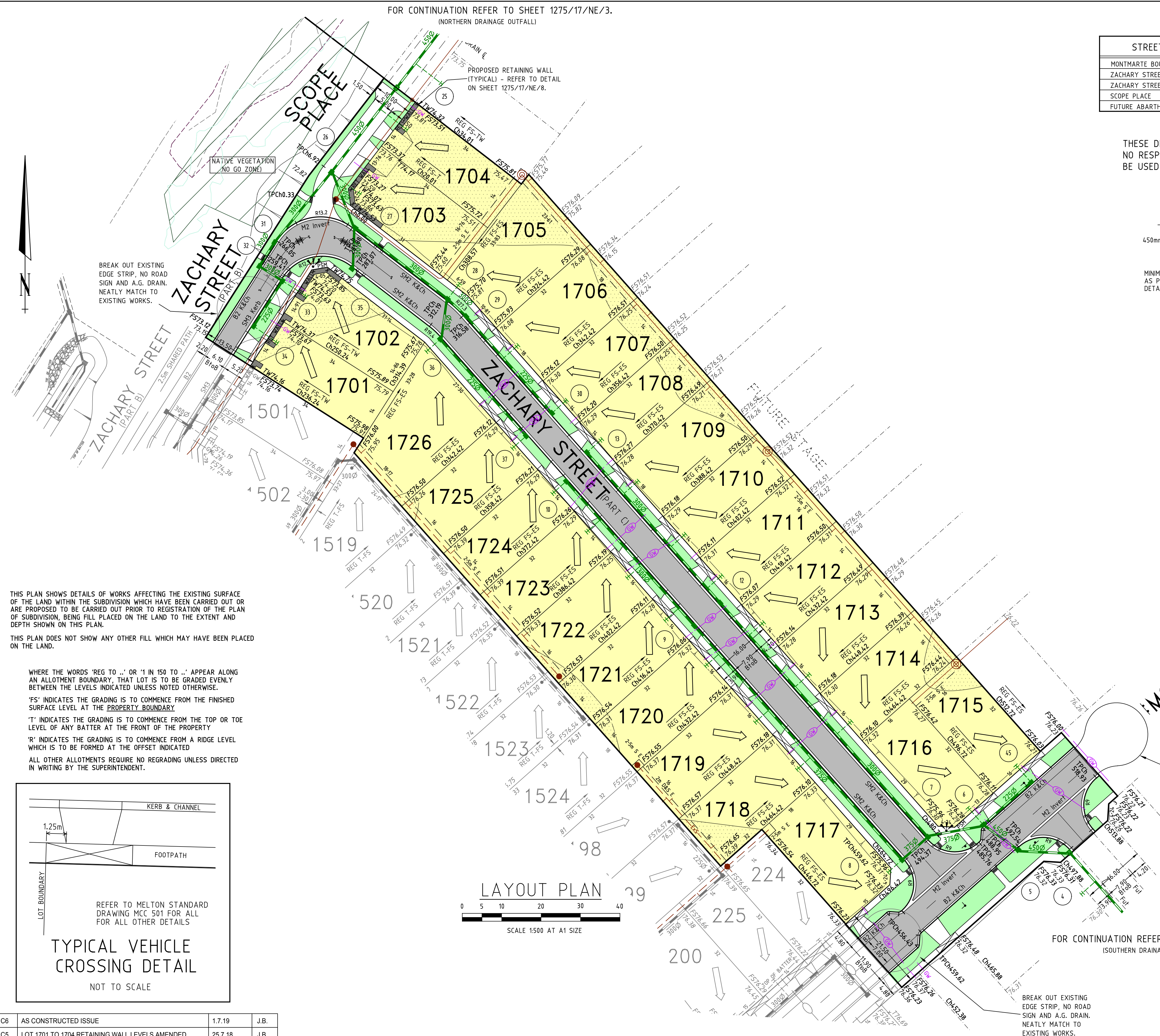
1275/17/NE/1	COVER SHEET AND LOCALITY PLAN
1275/17/NE/2	LAYOUT PLAN - SHEET 1 of 2 & SERVICES OFFSET TABLE
1275/17/NE/3	LAYOUT PLAN - SHEET 2 of 2
1275/17/NE/4	SERVICES PLAN
1275/17/NE/5	INTERSECTION DETAILS - SHEET 1 of 2
1275/17/NE/6	INTERSECTION DETAILS - SHEET 2 of 2 & SUBMERGED CRADLE TYPE ENDWALL DETAIL
1275/17/NE/7	GENERAL NOTES, PAVEMENT COMPOSITIONS & KERB DETAILS
1275/17/NE/8	TYPICAL SECTIONS & RETAINING WALL DETAILS
1275/17/NE/9	MONTMARTE BOULEVARD - LONGITUDINAL SECTION.
1275/17/NE/10	MONTMARTE BOULEVARD - CROSS SECTIONS
1275/17/NE/11	ZACHARY STREET - LONGITUDINAL SECTION
1275/17/NE/12	ZACHARY STREET - CROSS SECTIONS - SHEET 1 of 2
1275/17/NE/13	ZACHARY STREET - CROSS SECTIONS - SHEET 2 of 2
1275/17/NE/14	SCOPE PLACE- LONGITUDINAL & CROSS SECTIONS
1275/17/NE/15	ABARTH GROVE - LONGITUDINAL & CROSS SECTIONS
1275/17/NE/16	DRAINAGE LONGITUDINAL SECTIONS - SHEET 1 of 2
1275/17/NE/17	DRAINAGE LONGITUDINAL SECTIONS - SHEET 2 of 2 & PIT SCHEDULE
1275/17/NE/18	SIGNAGE & LINEMARKING PLAN



AS CONSTRUCTED

DRAWING No. 1275/17/NE/1

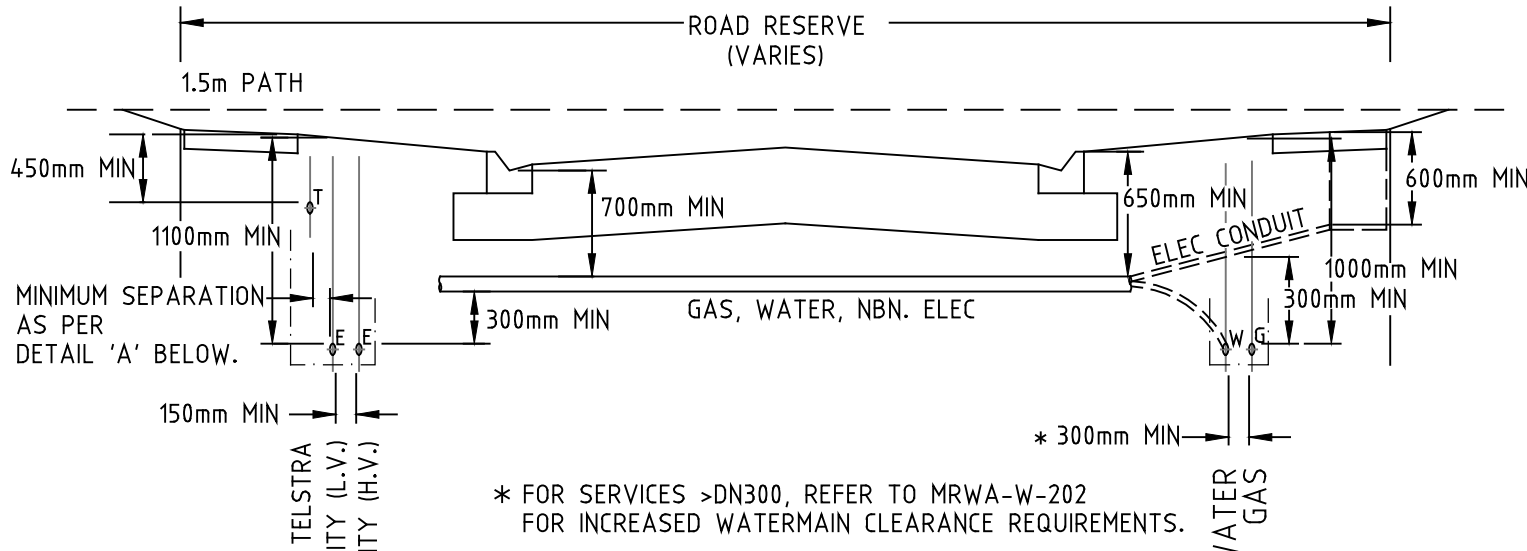
MELWAYS REF. 25 A1



STREET	GAS		WATER		TELECOMMUNICATIONS		ELECTRICITY		LIGHTING COLUMN
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	
MONTMARTE BOULEVARD	S	2.25	S	2.80	N	1.85	N	2.60	1.00 BOK
ZACHARY STREET (PART C)	E	2.25	E	2.68	W	1.80	W	2.35	1.00 BOK
ZACHARY STREET (PART B)	S	2.25	S	2.68	N	0.50	N	1.25	1.00 BOK
SCOPE PLACE	S	2.00	S	2.50	N	0.50	N	1.10	1.50 S #
FUTURE ABARTH GROVE	N	2.25	N	2.68	S	1.80	S	2.35	1.00 BOK

POLE TO BE LOCATED AT PAVEMENT INDENT / AT INTERSECTION

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.

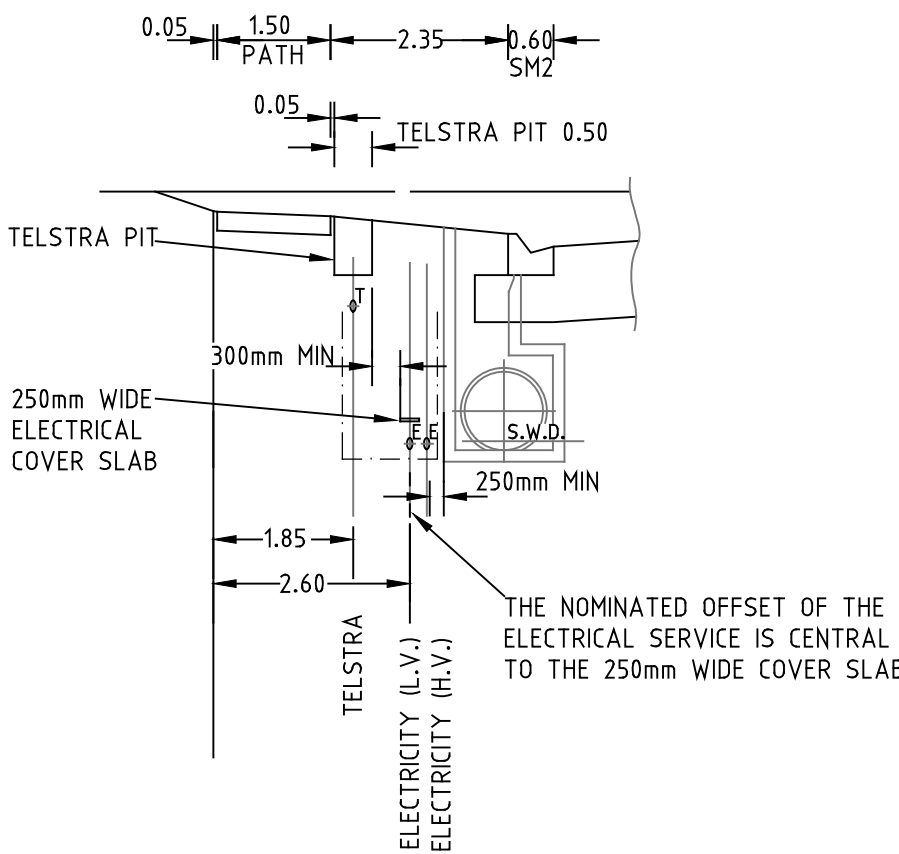


- NOTES:
- OFFSETS SHOWN ARE MEASURED "OUTSIDE TO OUTSIDE".
 - THIS IS A TYPICAL CROSS SECTION WHICH PROVIDES MINIMUM CLEARANCES AND SUGGESTED MINIMUM DEPTHS FOR MAIN SERVICES.

PREPARED 26th MARCH 2014

SERVICES CROSS SECTION

N.T.S.



DETAIL A

TYPICAL TELSTRA AND ELECTRICAL SERVICES OFFSETS ARRANGEMENT
N.T.S.

PROVIDE TURNING FACILITY, NO ROAD SIGN, CHEVRON MARKER, EDGE STRIP & A.G. DRAIN.

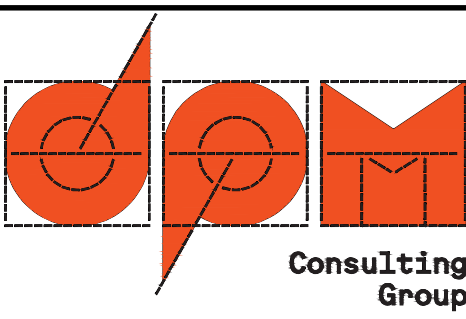
FOR CONTINUATION REFER TO SHEET 1275/17/NE/3.
(SOUTHERN DRAINAGE OUTFALL)

AS CONSTRUCTED

C6	AS CONSTRUCTED ISSUE	1.7.19	J.B.
C5	LOT 1701 TO 1704 RETAINING WALL LEVELS AMENDED	25.7.18	J.B.
C4	G & W OFFSETS AMENDED ZACHARY ST PART B	17/07/18	J.B.
C3	DRAINAGE LINE 14-17 AMENDED	7.6.18	J.B.
C2	COUNCIL REQUIREMENTS	17.5.18	J.B.
C1	COUNCIL REQUIREMENTS	16.4.2018	J.B.
P1	PRELIMINARY ISSUE	15-02-18	J.B.
REV.	REVISION	DATE	APPD.

LEGEND			
	GAS MAIN		HOUSE DRAIN PROPOSED/EX.
	WATER MAIN		PROPERTY INLET, DRAINAGE PITS
	RECYCLED WATER MAIN		EX./FUT. INLET, DRAINAGE PITS
	ELECTRICITY CABLE		DRAINAGE PIT STAGE/NUMBER
	TELECOMMUNICATIONS CABLE		DESIGN TOP/TOE OF BATTER LEVEL
	WATER CONDUIT		DESIGN PAVEMENT LEVEL
	GAS CONDUIT		PROPOSED CONTOUR LINE & LEVEL
	RECYCLED WATER CONDUIT		EXISTING CONTOUR LINE & LEVEL
	COMBINED SERVICES CONDUIT		FILLING IN EXCESS OF 200mm
	T.B.M.		CATCH DRAIN AND INVERT LEVEL
	P.S.M.		EX. BATTER
			PROP. BATTER
			STREET SIGN

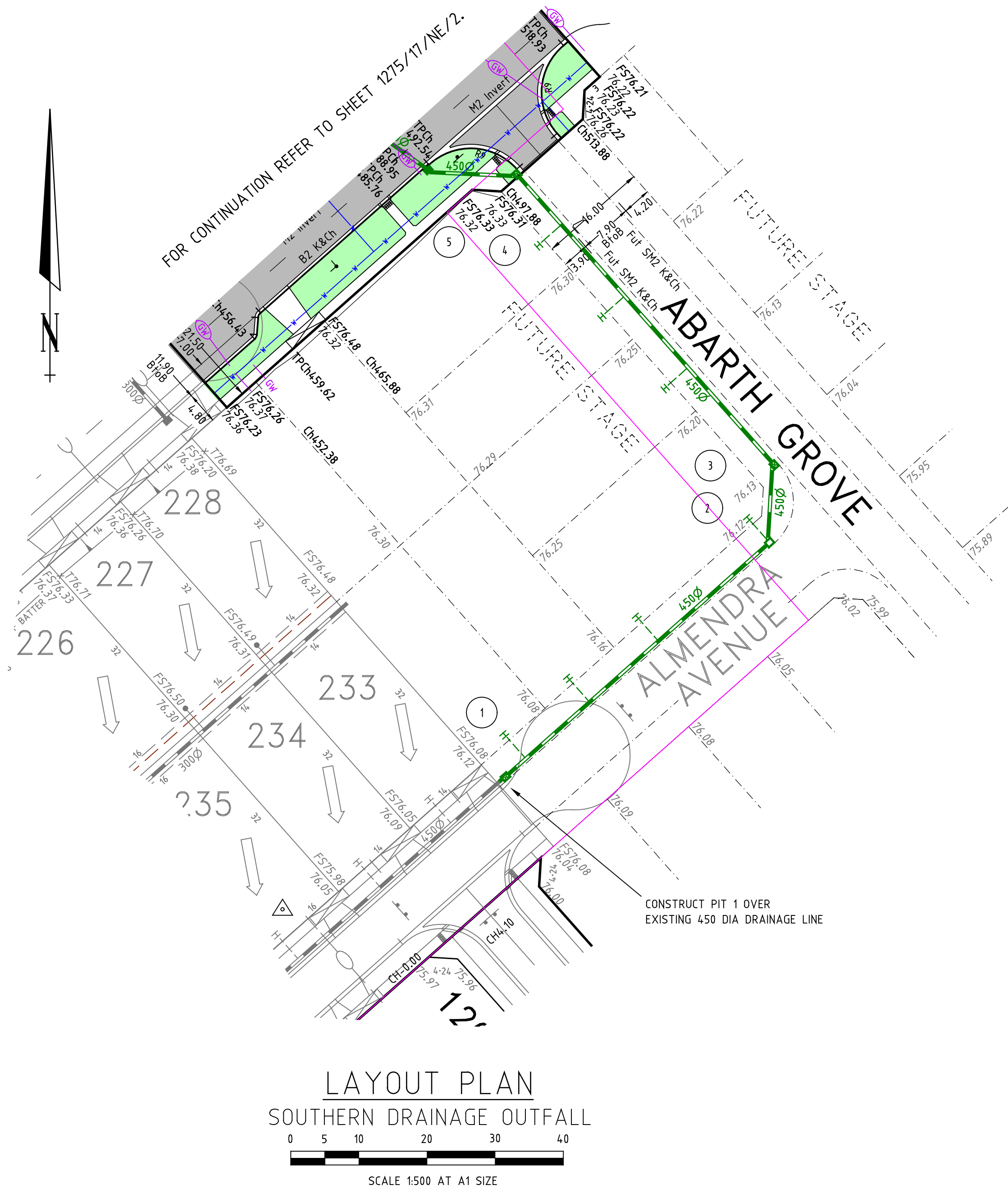
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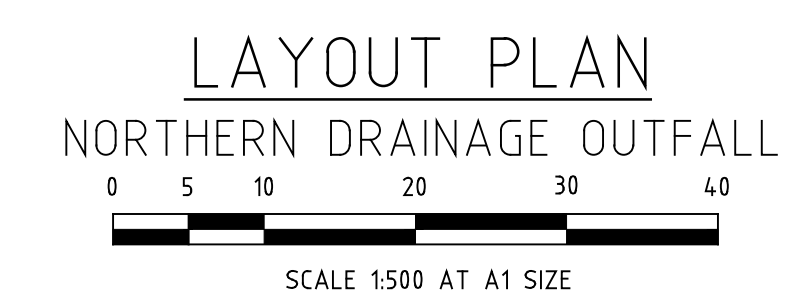
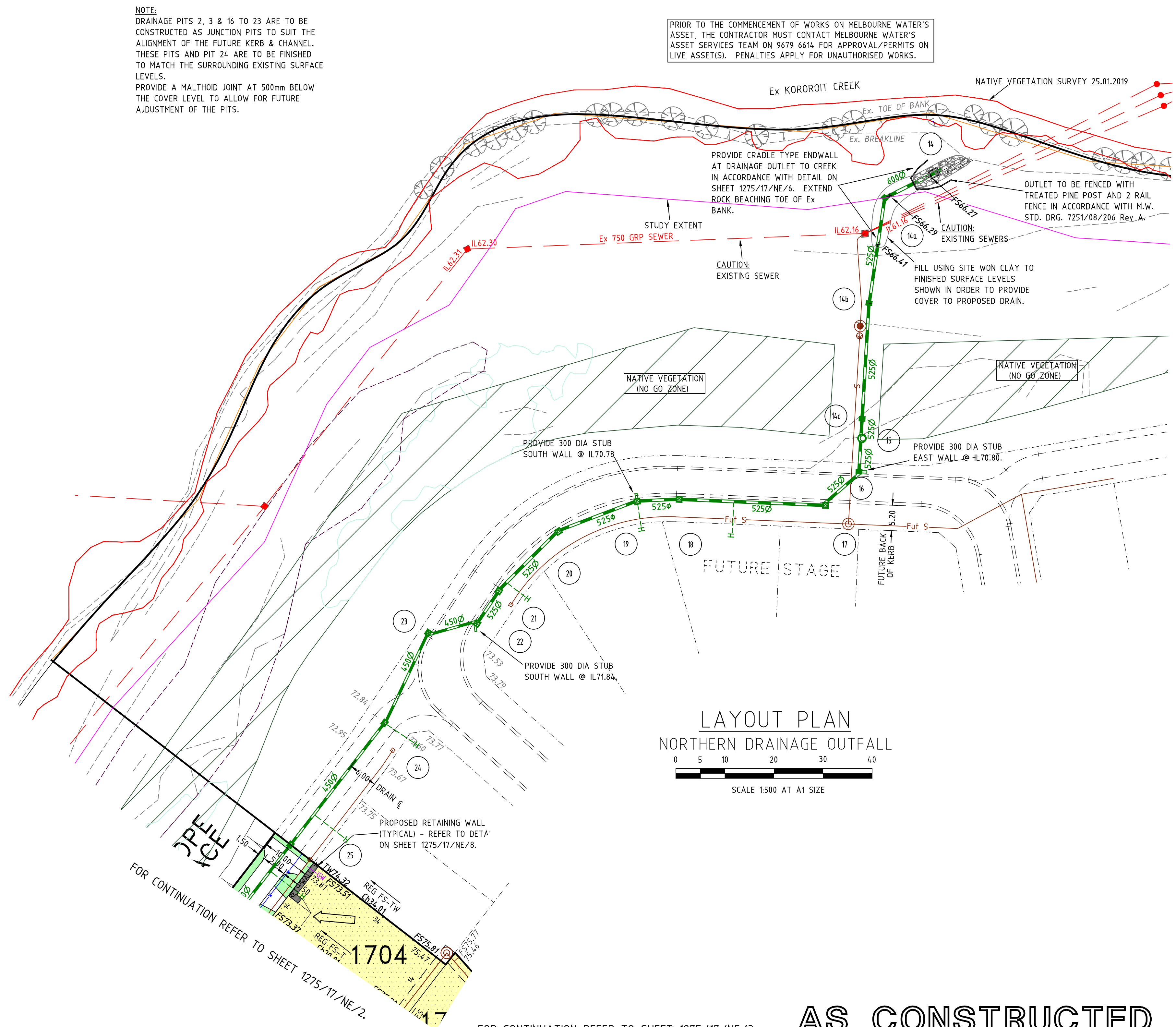
DRAWN:	J.BEVERIDGE
DESIGNED:	J.BEVERIDGE
CHECKED:	L.PAPAZOIS
AUTHORISED:	T.DAVOLI
DATE:	20-02-2018

AUTHORITY:	CITY OF MELTON
PROJECT:	MODEINA STAGE 17 ROADS AND DRAINAGE
DETAILS:	LAYOUT PLAN - SHEET 1 OF 2 & SERVICES OFFSET TABLE

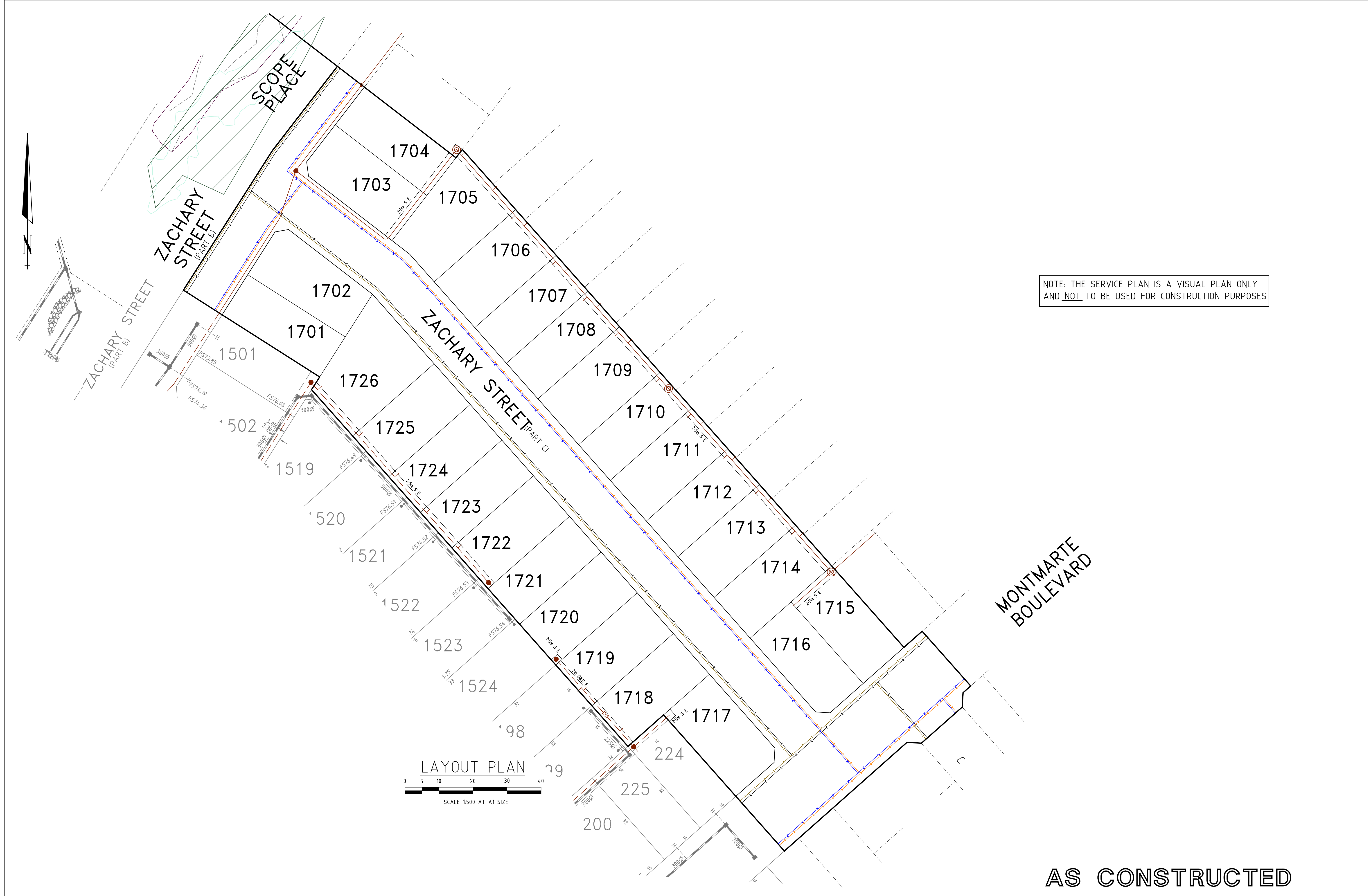
SCALE	1:500 AT A1
LEVEL DATUM	AHD
SHEET	2 OF 18
DRAWING No.	1275/17/NE/2
REV.	C6



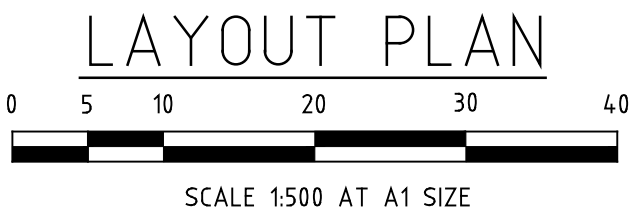
NOTE:
DRAINAGE PITS 2, 3 & 16 TO 23 ARE TO BE CONSTRUCTED AS JUNCTION PITS TO SUIT THE ALIGNMENT OF THE FUTURE KERB & CHANNEL. THESE PITS AND PIT 24 ARE TO BE FINISHED TO MATCH THE SURROUNDING EXISTING SURFACE LEVELS.
PROVIDE A MALTHOID JOINT AT 500mm BELOW THE COVER LEVEL TO ALLOW FOR FUTURE ADJUSTMENT OF THE PITS.



C6	AS CONSTRUCTED ISSUE	1.7.19	J.B.			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	AUTHORITY: CITY OF MELTON	SCALE 1:500	REV. C6
C5	ROCK BEACHING EXTENTS AT DRAINAGE OUTFALL AMENDED	19.2.19	J.B.				DESIGNED: J.BEVERIDGE	PROJECT: MODEINA STAGE 17	LEVEL DATUM AHD	
C4	DRAINAGE LINE 14-14A-14B AMENDED	29.1.19	J.B.				CHECKED: L.PAPAZOIS	ROADS AND DRAINAGE	SHEET 3 OF 18	
C3	DRAINAGE LINE 14-17 AMENDED	7.6.18	J.B.				AUTHORISED: T.DAVOLI		DRAWING No.	
C2	M.W. REQUIREMENTS	15.5.18	J.B.				DATE: 20-02-2018	DETAILS: LAYOUT PLAN - SHEET 2 OF 2	1275/17/NE/3	
C1	COUNCIL REQUIREMENTS	16.4.18	J.B.							
P1	PRELIMINARY ISSUE	15-02-18	J.B.							
REV.	REVISION	DATE	APPD.							



NOTE: THE SERVICE PLAN IS A VISUAL PLAN ONLY
AND NOT TO BE USED FOR CONSTRUCTION PURPOSES

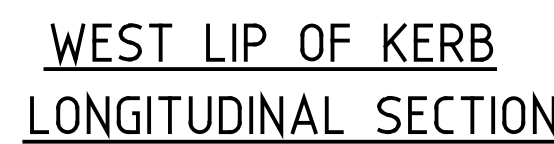
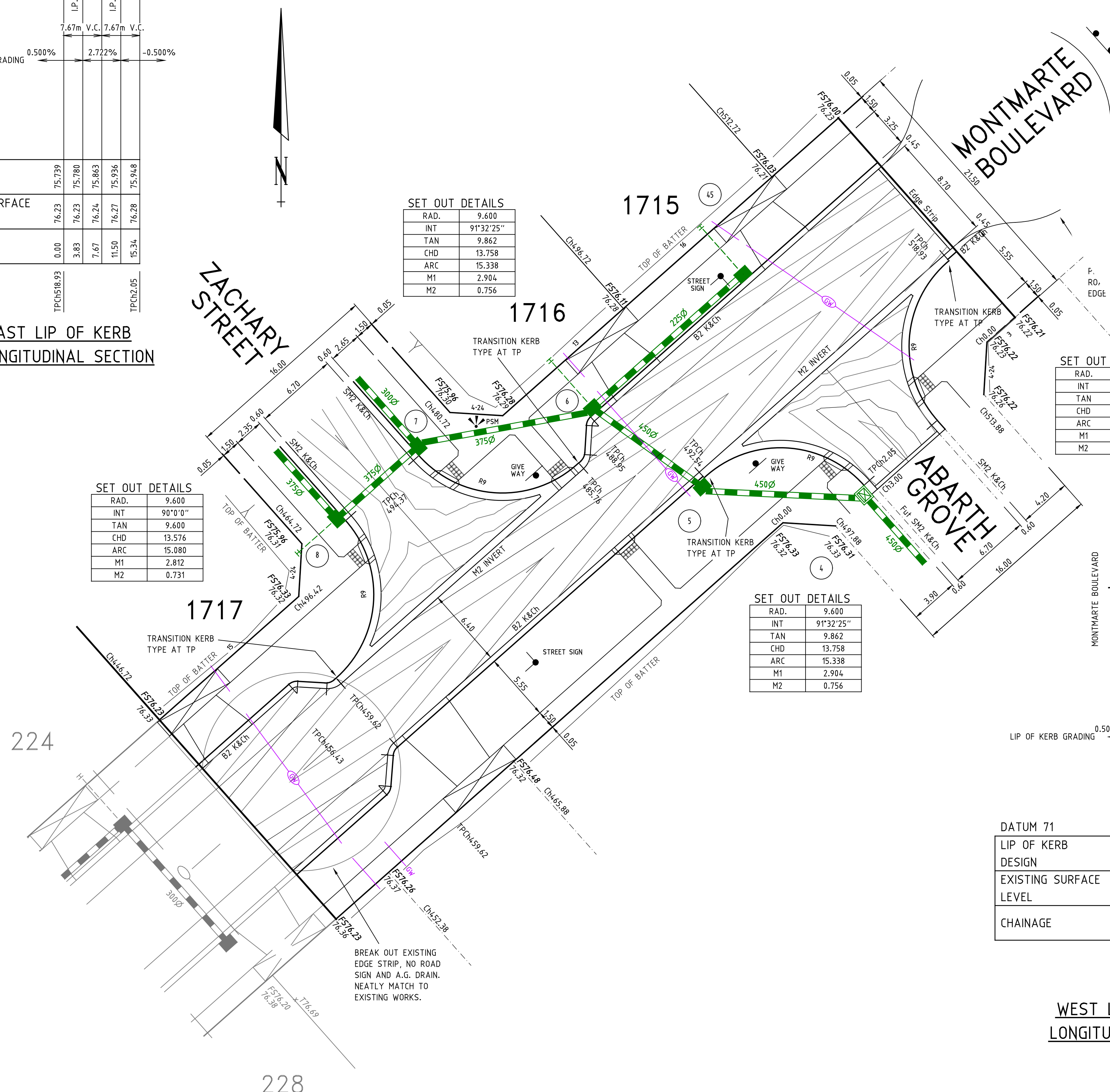
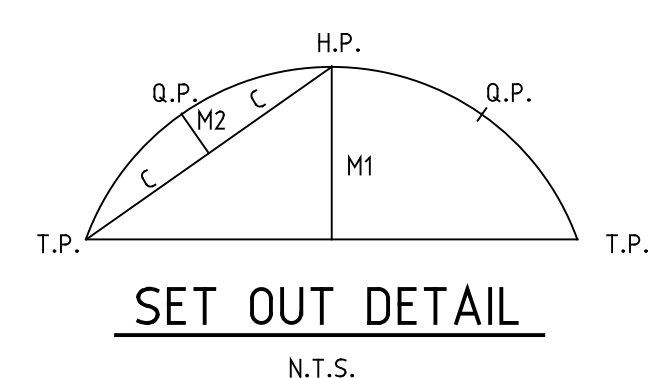
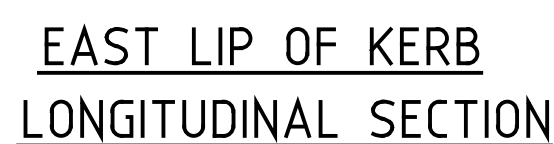
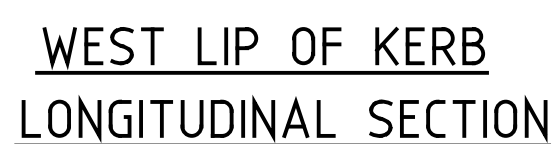


AS CONSTRUCTED

				LEGEND										 Consulting Group 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	AUTHORITY: CITY OF MELTON	SCALE 1:500 AT A1	
				 GAS MAIN	 HOUSE DRAIN PROPOSED/EX.	 PROPERTY INLET, DRAINAGE PITS	 CHAINAGES AND TANGENT POINTS	DESIGNED: J.BEVERIDGE	PROJECT: MODEINA STAGE 17	LEVEL DATUM AHD									
				 WATER MAIN	 EX./FUT. INLET, DRAINAGE PITS	 EXISTING SURFACE LEVEL	 FINISHED LEVEL (TITLE BOUNDARY)	CHECKED: L.PAPAZOIS	ROADS AND DRAINAGE	SHEET 4 OF 18									
C2	AS CONSTRUCTED ISSUE	1.7.19	J.B.	 RECYCLED WATER MAIN	 DRAINAGE PIT STAGE/NUMBER	 DESIGN TOP/T.O.E OF BATTER LEVEL	 DESIGN PAVEMENT LEVEL			DETAILS: SERVICES PLAN	1275/17/NE/4								
C1	COUNCIL REQUIREMENTS	16.4.18	J.B.	TELECOMMUNICATIONS CABLE	SEWER LINE AND STRUCTURES	PROPOSED CONTOUR LINE & LEVEL	EXISTING CONTOUR LINE & LEVEL												
P1	PRELIMINARY ISSUE	15-02-18	J.B.	WATER CONDUIT	KERB AND CHANNEL	FILLING IN EXCESS OF 200mm	CATCH DRAIN AND INVERT LEVEL												
				GAS CONDUIT	EX./FUT. KERB AND CHANNEL	EX. BATTER	PROP. BATTER												
				RECYCLED WATER CONDUIT	KERB TO BE REMOVED OFFSITE	STREET SIGN	T.B.M.	DATE: 20-02-2018	REV. C2										
REV.	REVISION	DATE	APPD.	COMBINED SERVICES CONDUIT	T.B.M.	P.S.M.	EX. BATTER												

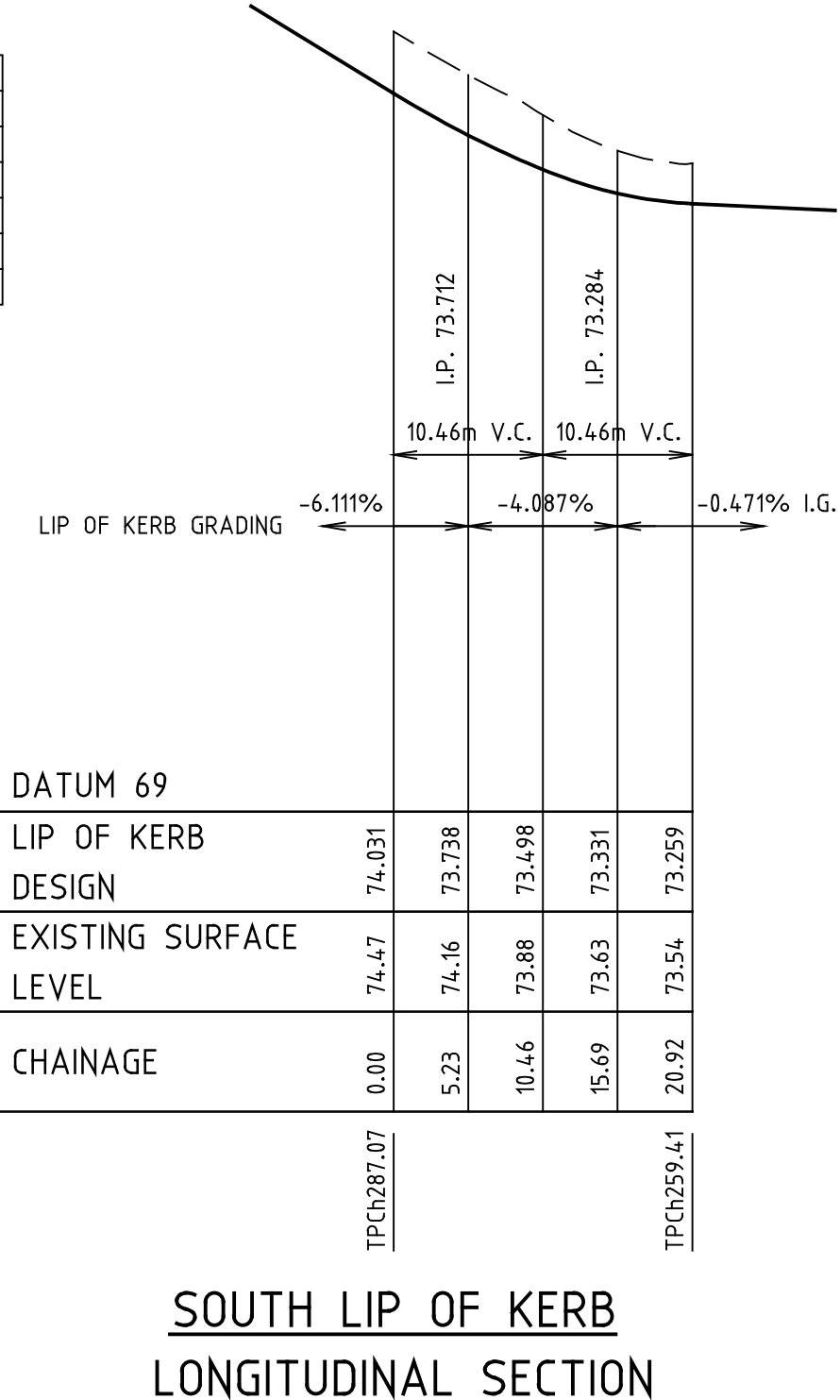
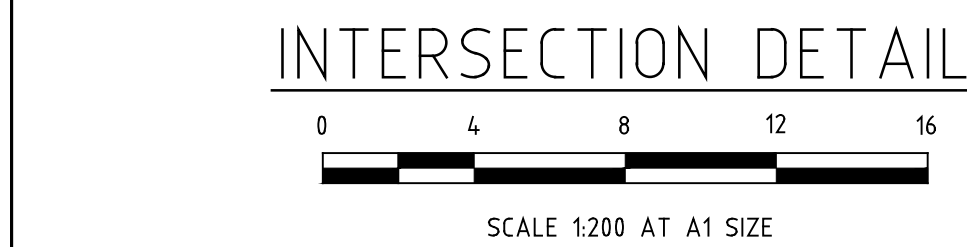
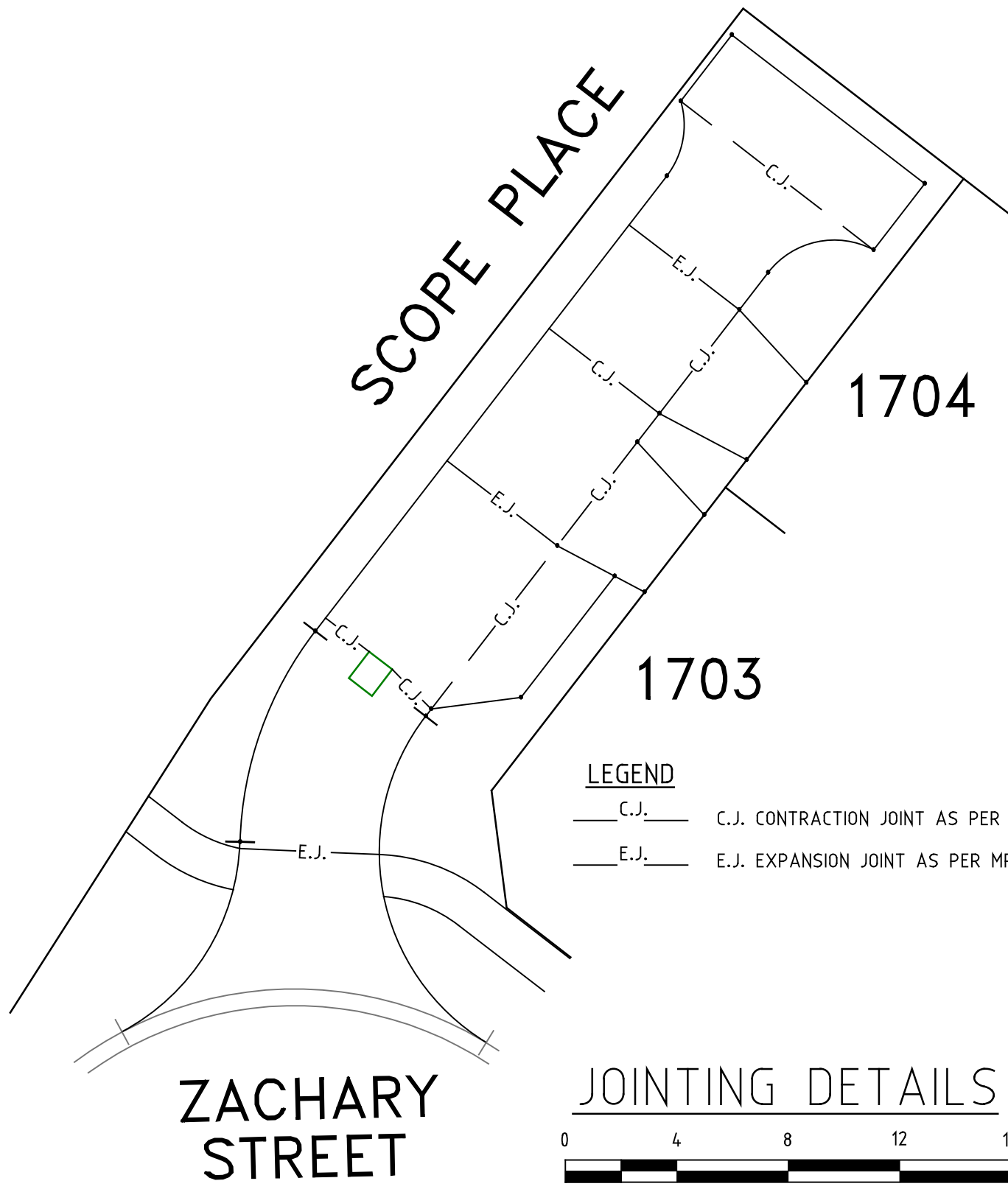
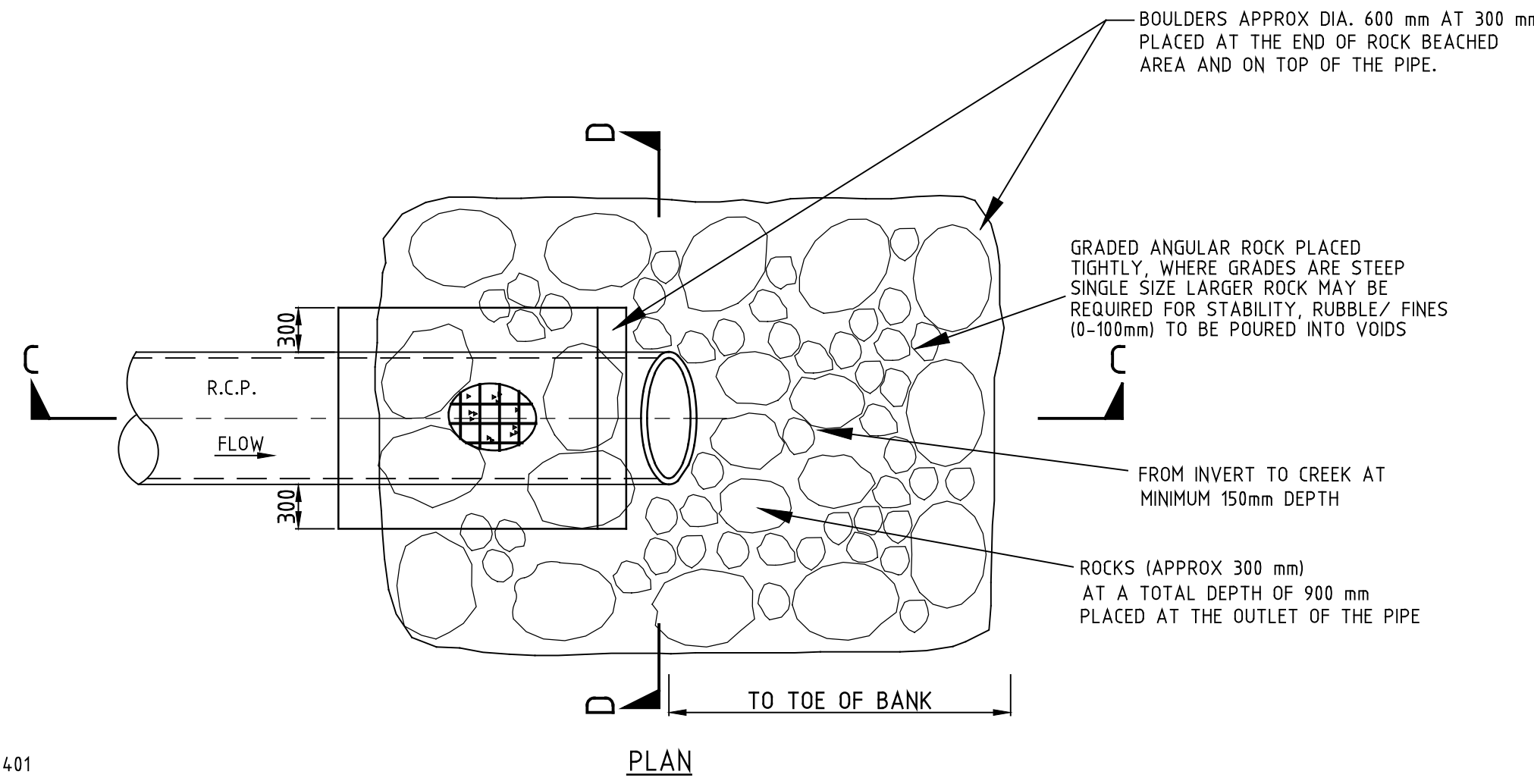
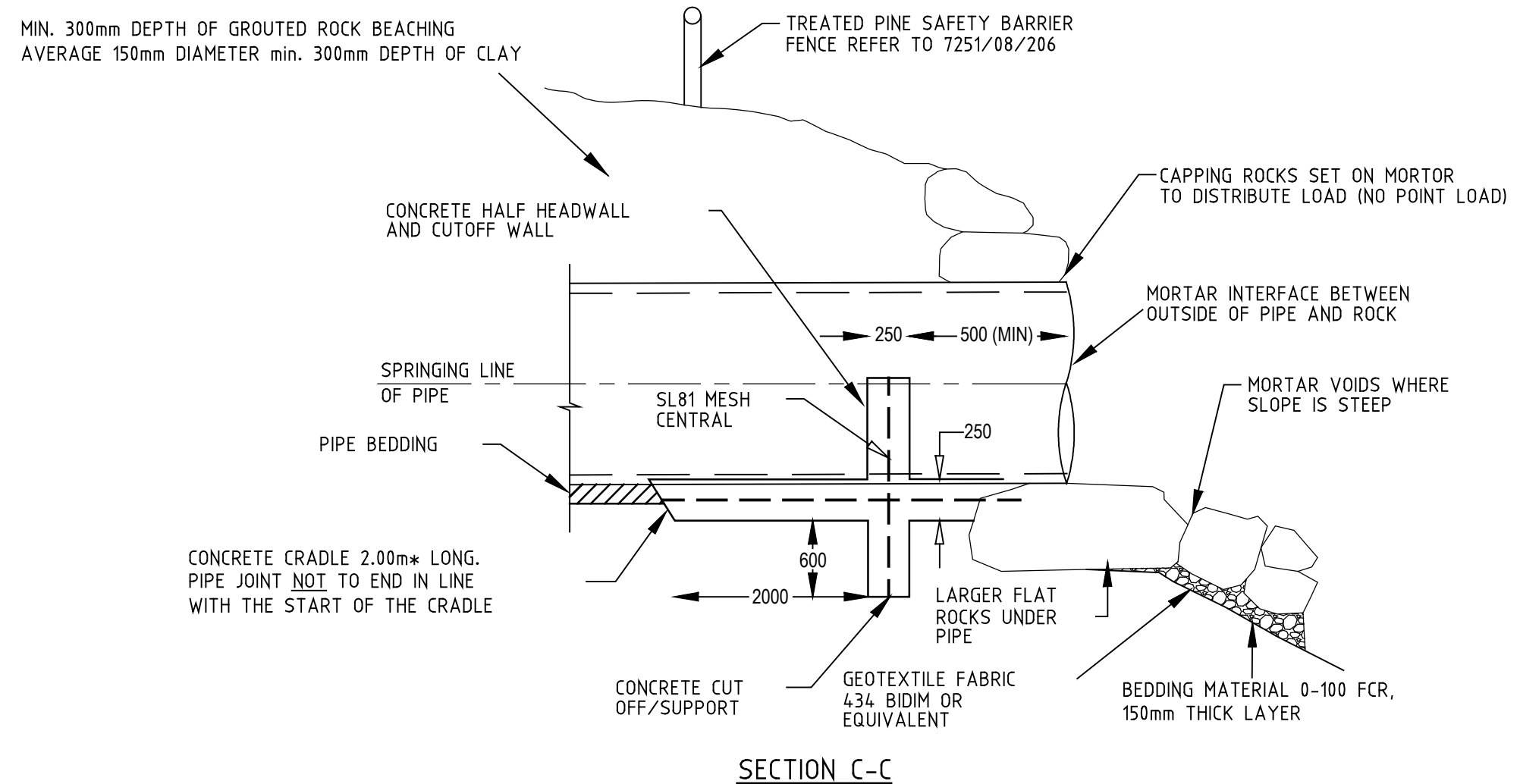
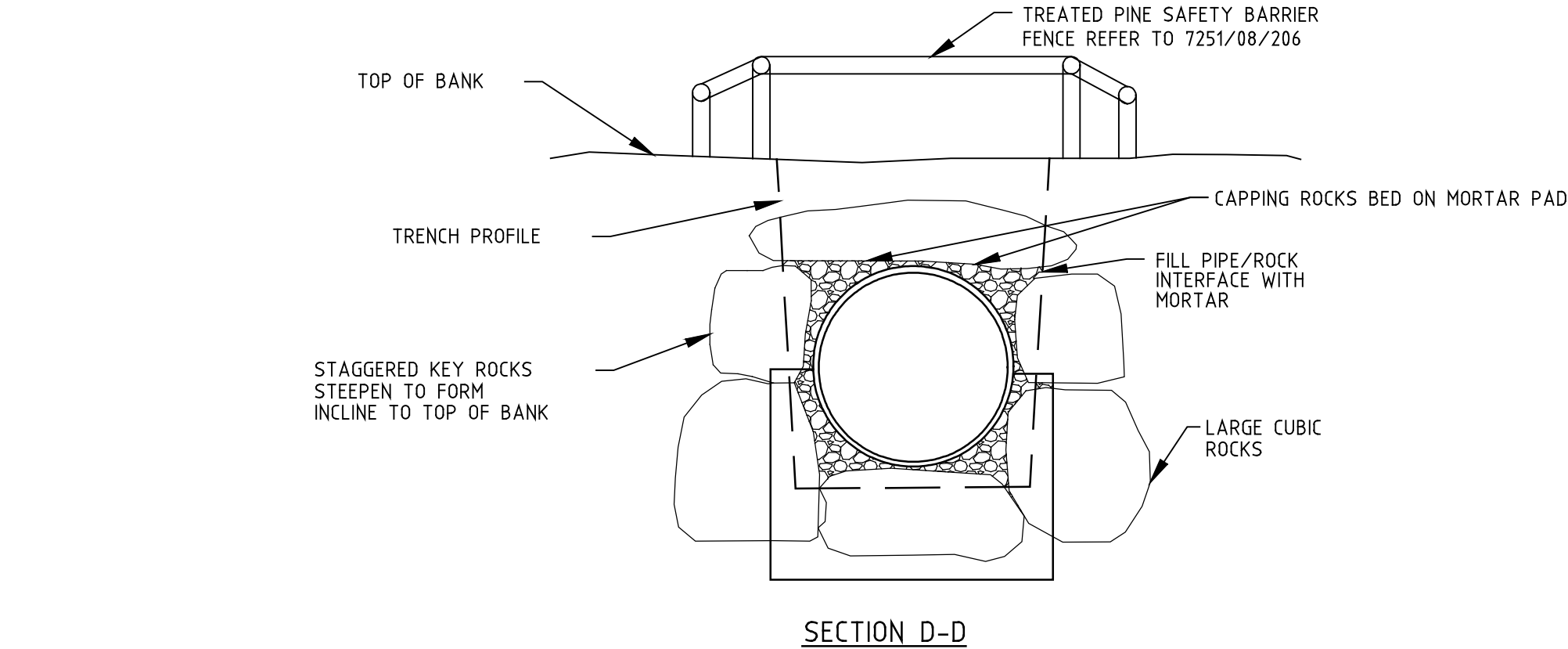
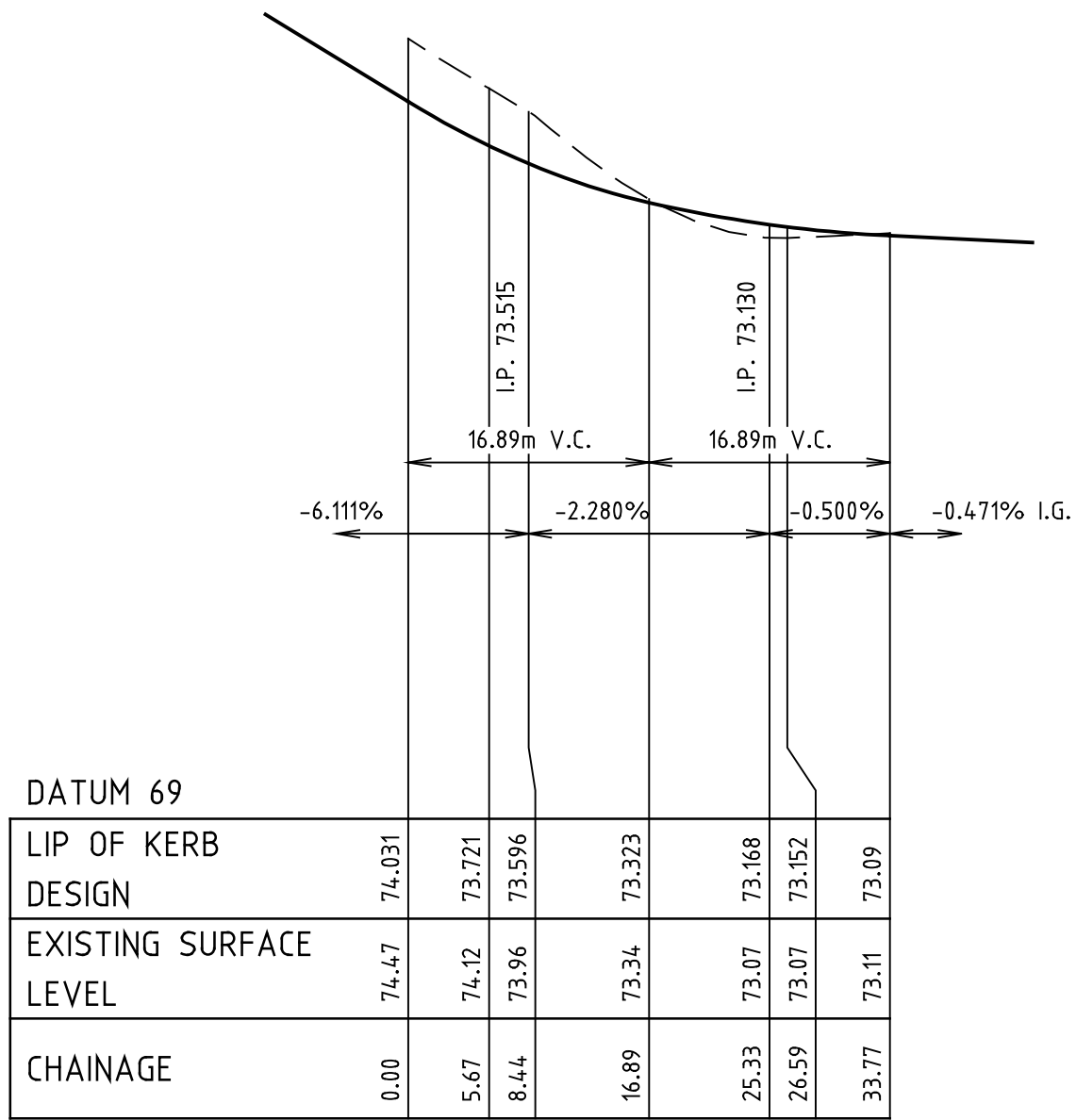
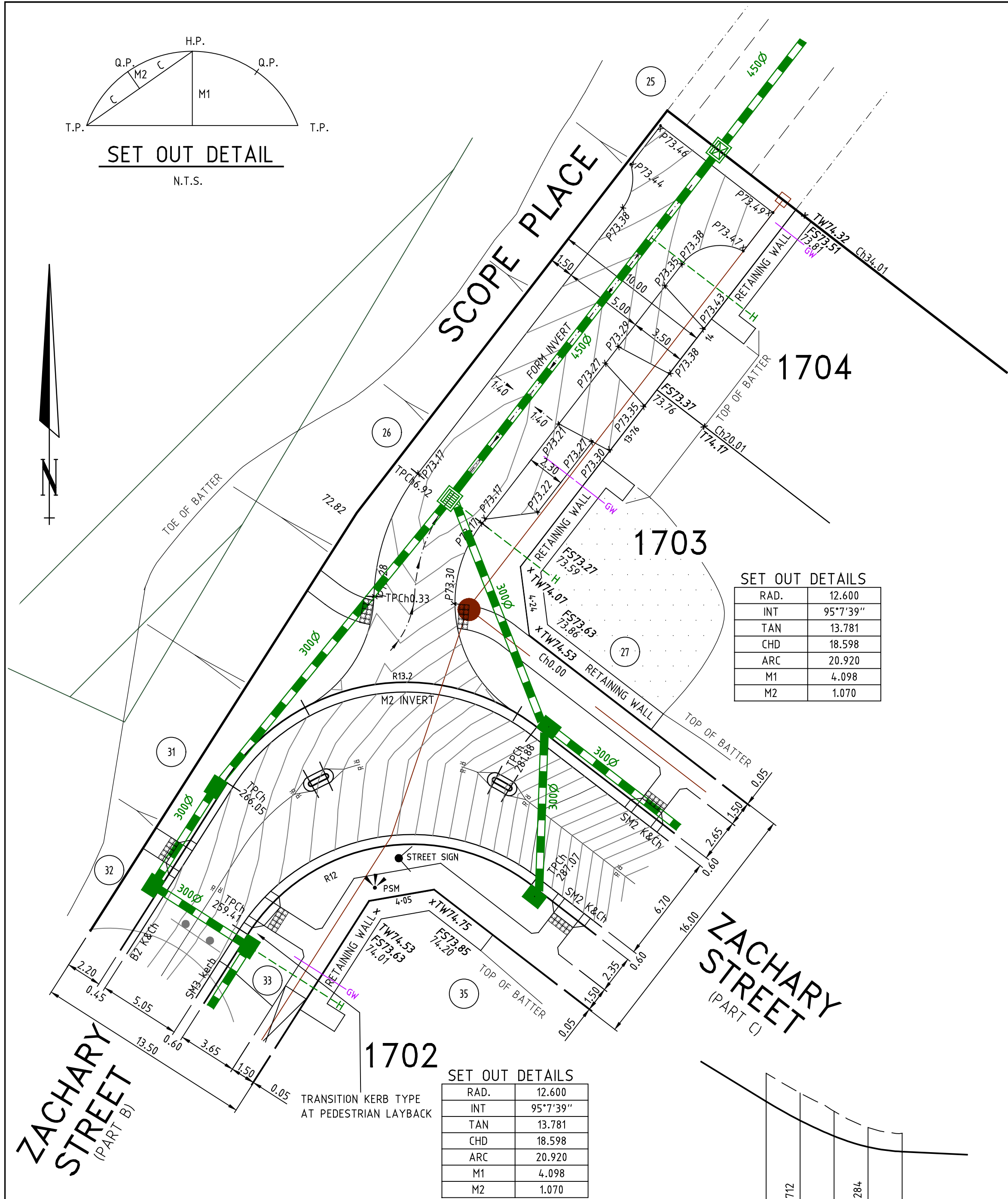
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AS CONSTRUCTED

[illegible]



C5	AS CONSTRUCTED ISSUE	1.7.19	J.B.
C4	LOT 1701 TO 1704 RETAINING WALL HEIGHTS AMENDED	25.7.18	J.B.
C3	COUNCIL REQUIREMENTS	17.5.18	J.B.
C2	M.W. REQUIREMENTS	15.5.18	J.B.
C1	COUNCIL REQUIREMENTS	16.4.18	J.B.
P1	PRELIMINARY ISSUE	15-02-18	J.B.
REV.	REVISION	DATE	APPD.

	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
	WATER CONDUIT		EX./FUT. KEBB AND STRUCTURES		PROPOSED CONTOUR LINE & LEVEL
	GAS CONDUIT		KERB AND CHANNEL		EXISTING CONTOUR LINE & LEVEL
	RECYCLED WATER CONDUIT		EX./FUT. KEBB 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

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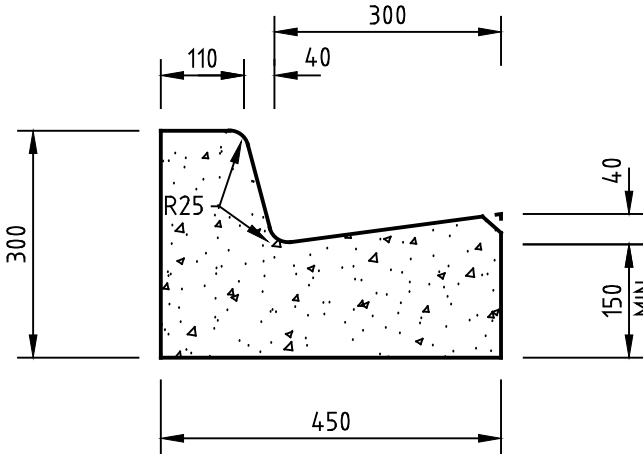
Consulting Group

DRAWN: J.BEVERIDGE	AUTHORITY: CITY OF MELTON	SCALE 1:200 AT A1
DESIGNED: J.BEVERIDGE	PROJECT: MODEINA STAGE 17 ROADS AND DRAINAGE	LEVEL DATUM AHD
CHECKED: L.PAPAZOIS	DETAILS: INTERSECTION DETAILS - SHEET 2 OF 2 & SUBMERGED CRADLE TYPE ENDWALL DETAIL	SHEET 6 OF 18
AUTHORISED: T.DAVOLI		DRAWING No. 1275/17/NE/6
DATE: 20-02-2018		REV. C5

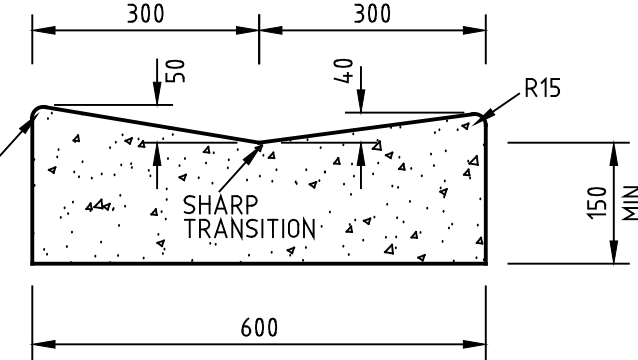
GENERAL NOTES

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 CONTACTOR'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 525mm 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 4 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 1 in 6.
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 10-3.
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 COMPLES 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.

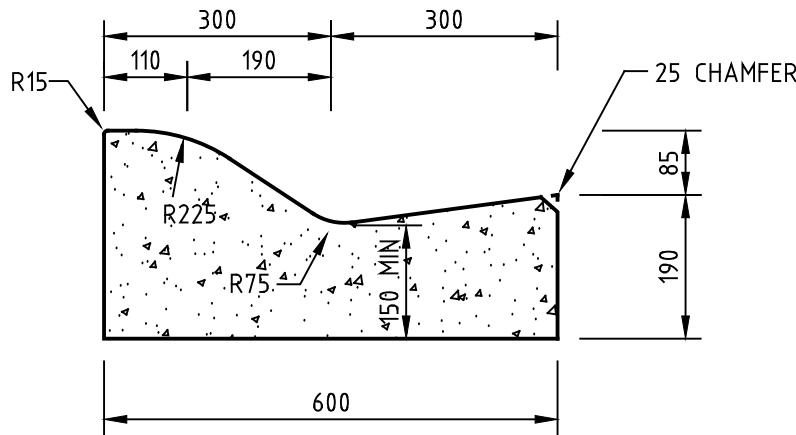
35. BACKFILL OF ALL SERVICE TRENCHES & CONDUITS UNDER PARKING BAYS, DRIVEWAYS AND FOOTPATHS, ARE TO BE FULLY COMPACTED WITH LOW PERMEABILITY CLASS 4 CRUSHED ROCK BACKFILL.
36. WHERE A NEW ROAD MEETS AN UNDEVELOPED STAGE, EARTHWORKS TO TOP OF FOOTPATH LEVEL ARE TO BE EXTENDED FOR A DISTANCE OF 8m TO FINAL 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.



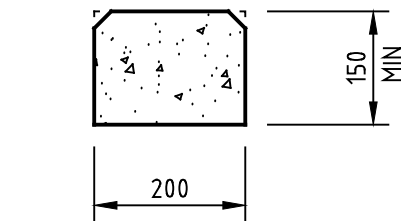
B2 KERB PROFILE



M2



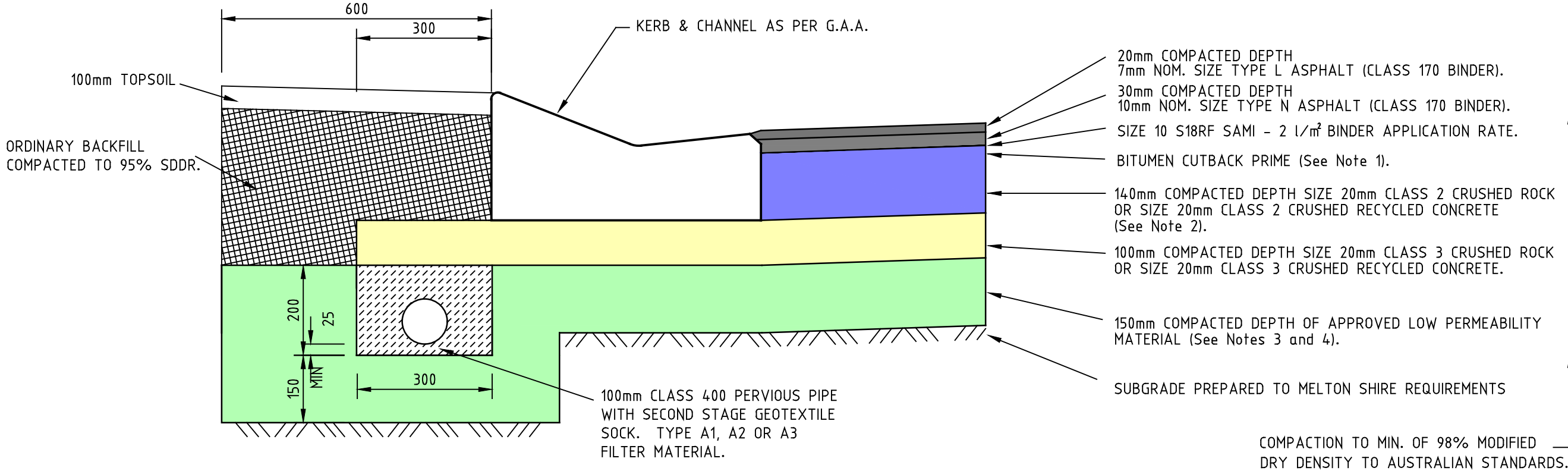
SM2 K&Ch PROFILE

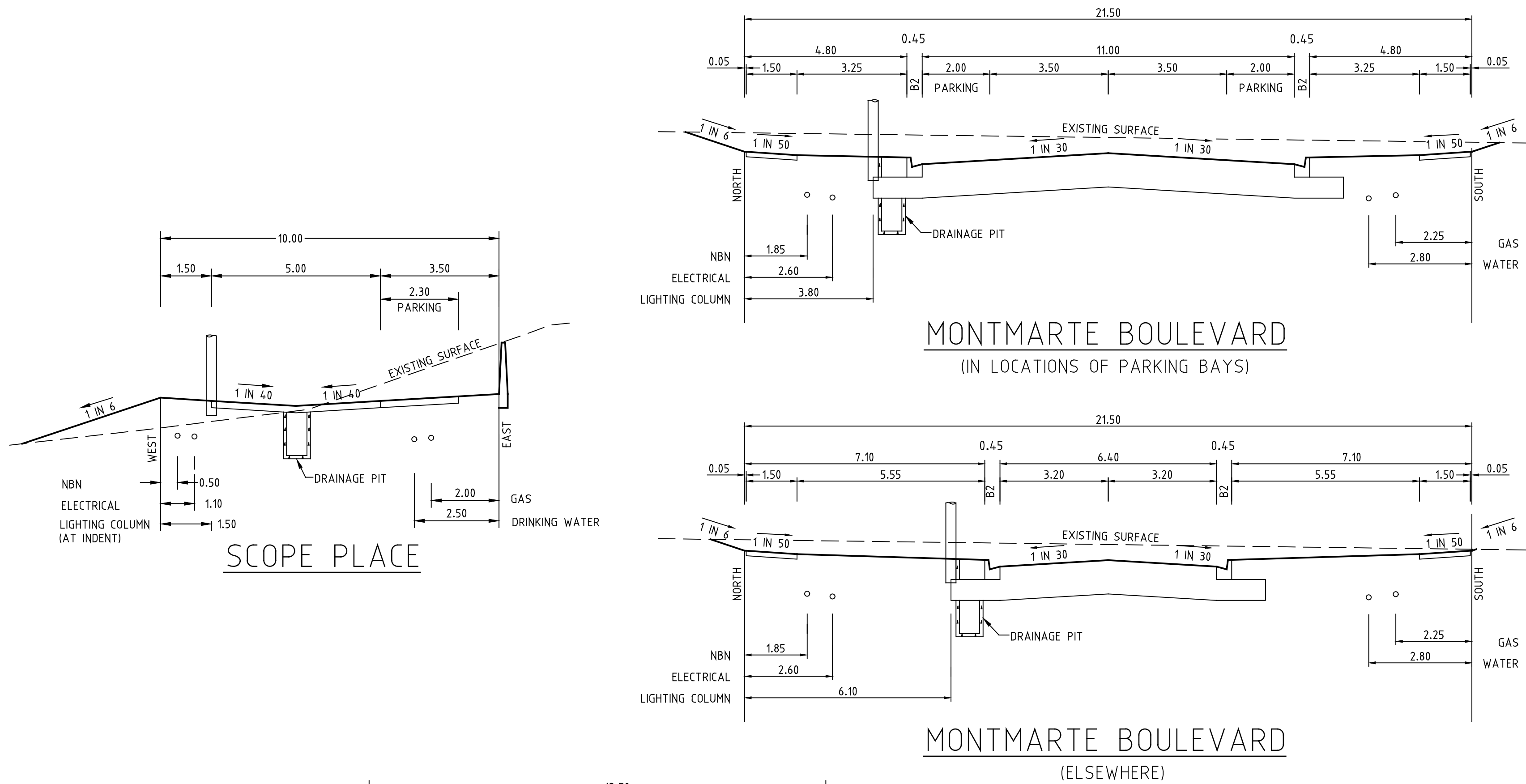


EDGE STRIP PROFILE

KERB DETAILS

N.T.S.

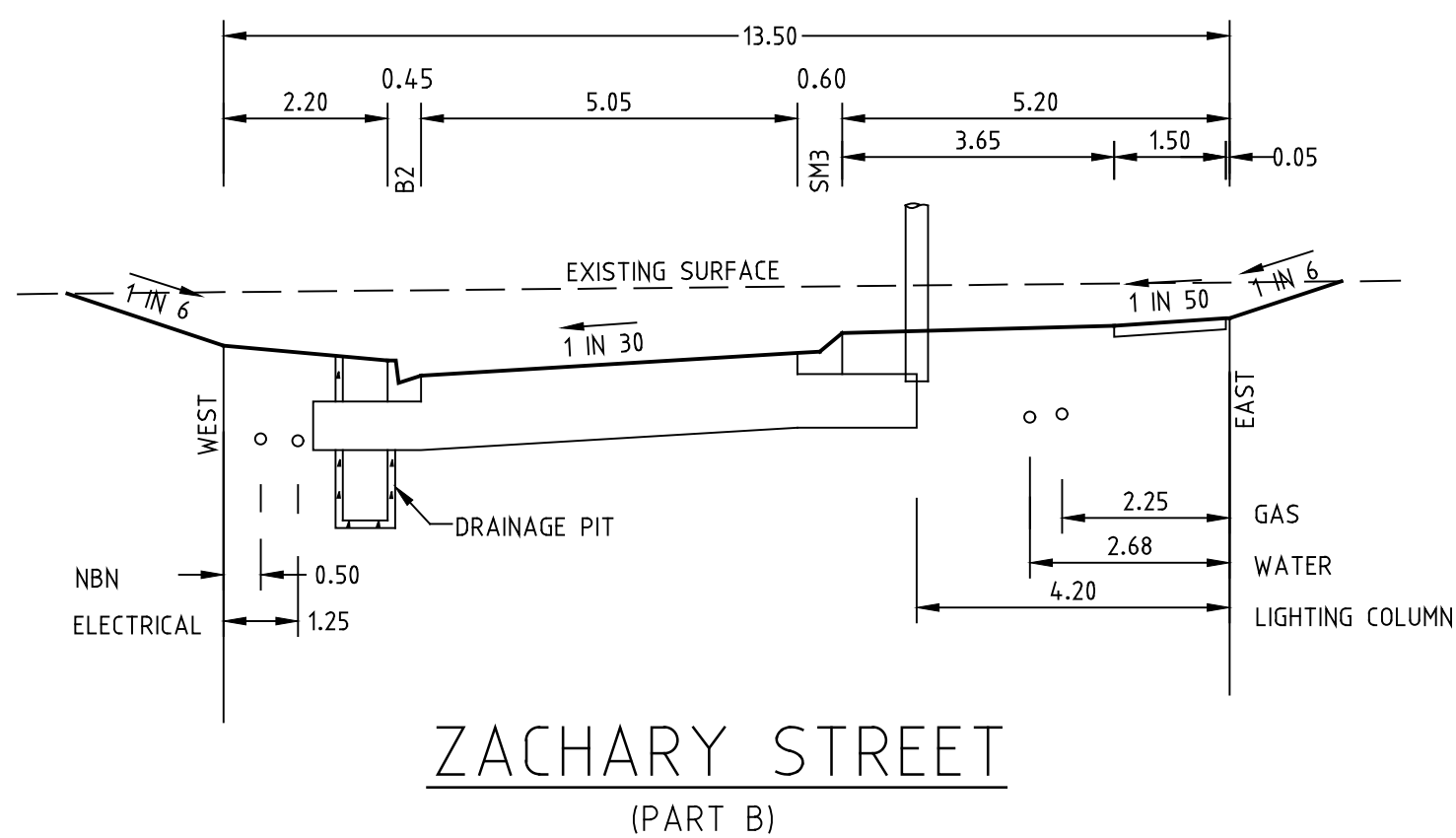




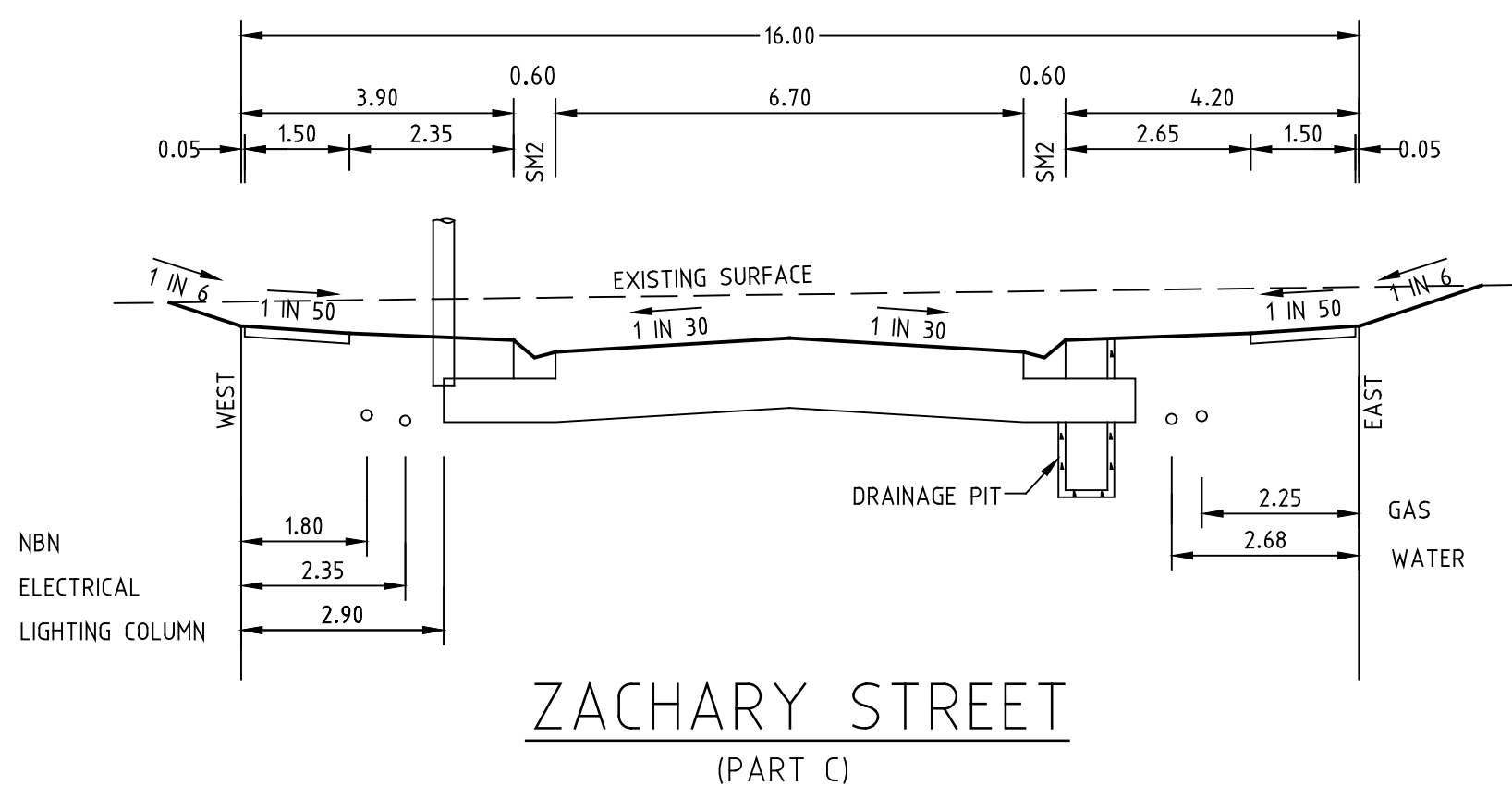
SCOPE PLACE

MONTMARTE BOULEVARD
(IN LOCATIONS OF PARKING BAYS)

MONTMARTE BOULEVARD
(ELSEWHERE)



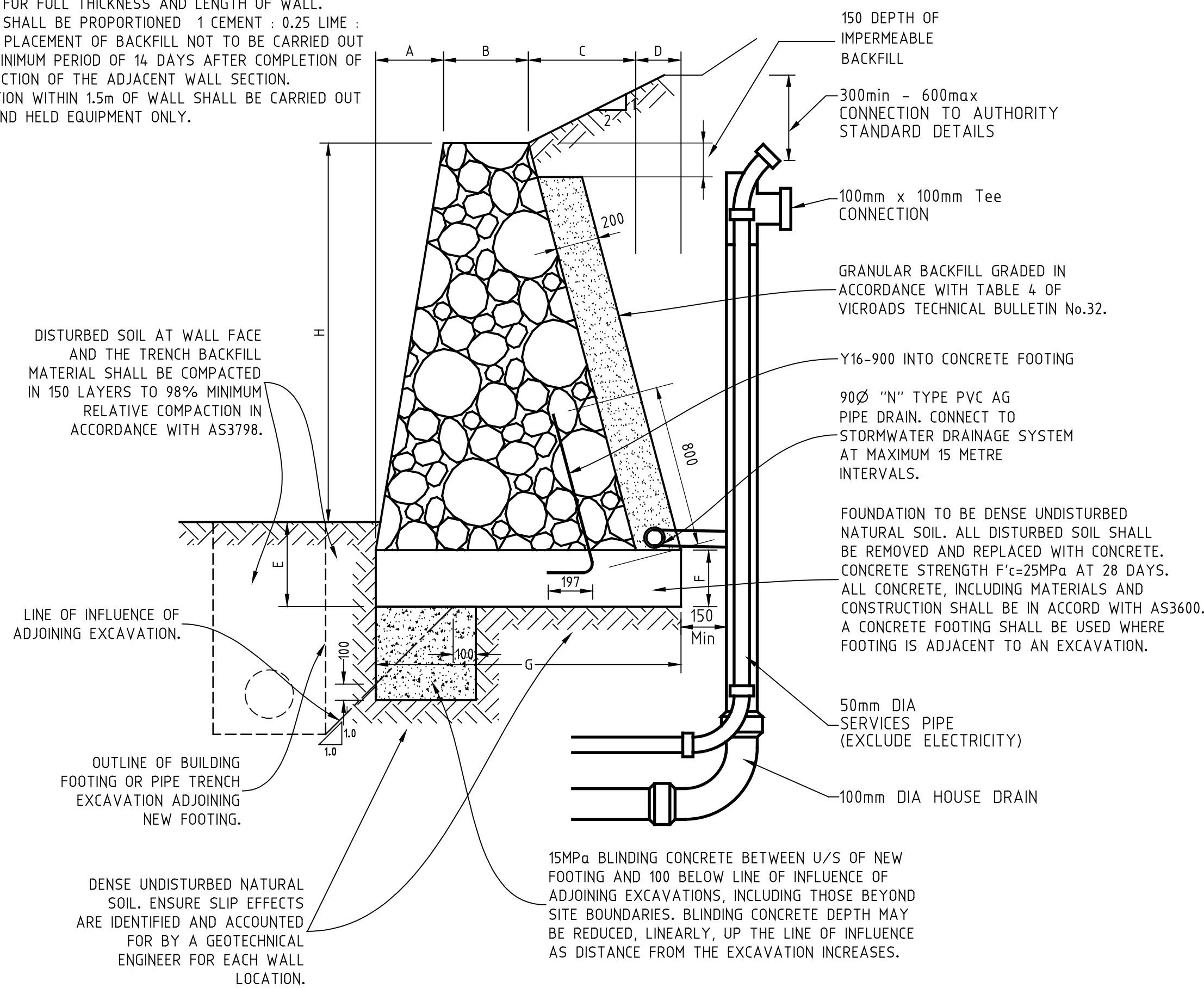
ZACHARY STREET
(PART B)



ZACHARY STREET
(PART C)

TYPICAL SECTIONS
NOT TO SCALE

ALL MASONRY UNITS SHALL BE CLEAN HARD STONE LAID IN BOND FOR FULL THICKNESS AND LENGTH OF WALL. MORTAR SHALL BE PROPORTIONED 1 CEMENT : 0.25 LIME : 3 SAND. PLACEMENT OF BACKFILL NOT TO BE CARRIED OUT FOR A MINIMUM PERIOD OF 14 DAYS AFTER COMPLETION OF CONSTRUCTION OF THE ADJACENT WALL SECTION. COMPACTION WITHIN 1.5m OF WALL SHALL BE CARRIED OUT WITH HAND HELD EQUIPMENT ONLY.



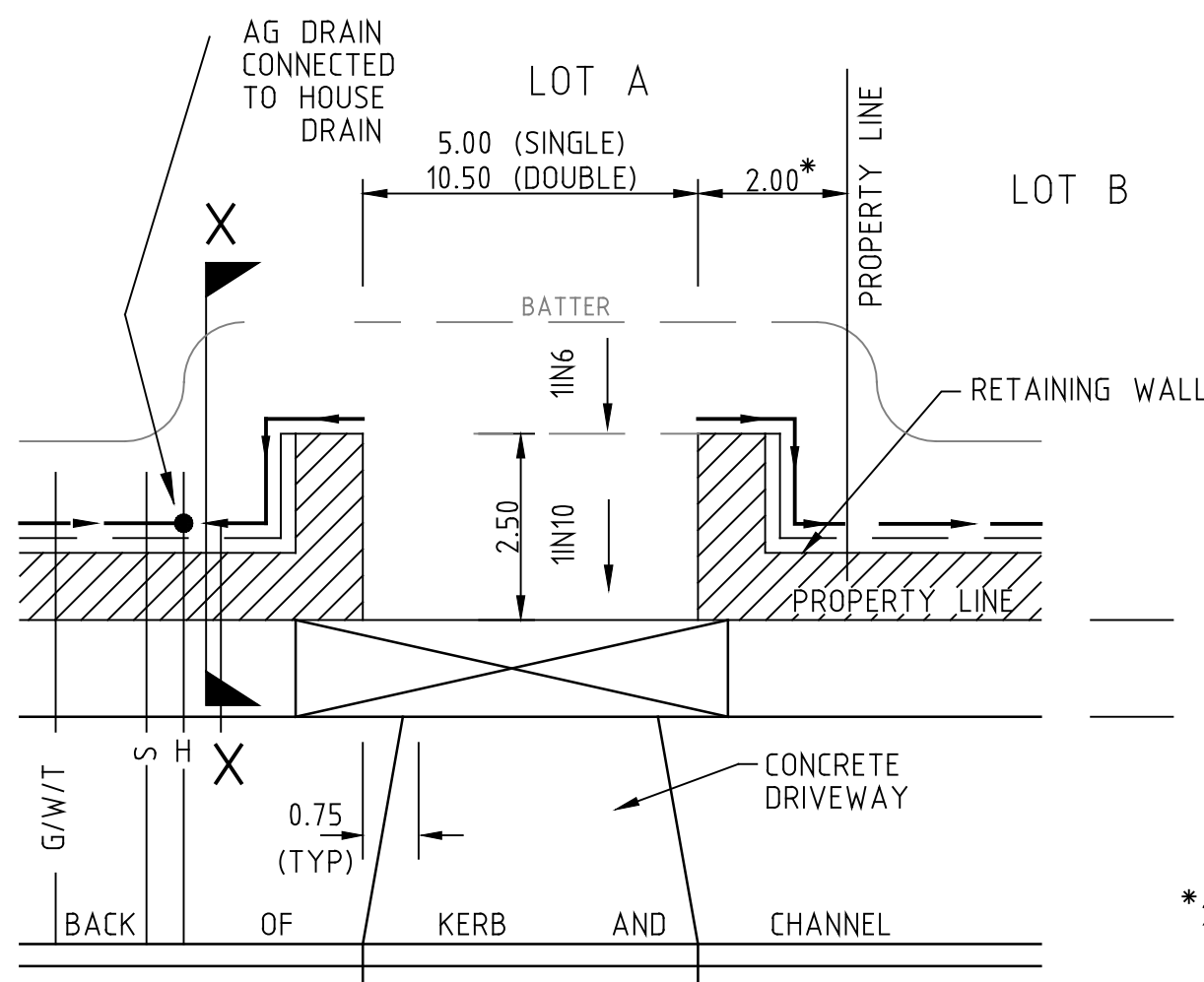
RETAINING WALL - SECTION X-X

NOT TO SCALE.

H	500	700	900	1100	1300	1500
A	100	125	150	200	225	250
B	175	200	225	275	300	325
C	175	200	250	300	350	400
D	200	200	200	200	200	200
E	225	250	275	300	325	350
F	100	125	150	175	200	225
G	600	725	825	950	1075	1175

RETAINING WALL DIMENSION TABLE

(ALL DIMENSIONS ARE IN MILLIMETRES) LINEAR INTERPOLATION OF WALL DIMENSION IS ACCEPTABLE.



RETAINING WALL & DRIVEWAY DETAIL

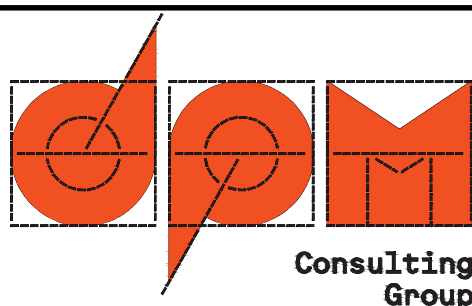
NOT TO SCALE.

*2.10m OFFSET FROM PROPERTY FOR 3.0m HIGH RETAINING WALL OR GREATER.

AS CONSTRUCTED

REV.	REVISION	DATE	APPD.	LEGEND
C3	AS CONSTRUCTED ISSUE	1.7.19	J.B.	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.
C2	MINOR AMENDMENT SCOPE PLACE SERVICE OFFSETS	17.7.18	J.B.	HOUSE DRAIN PROPOSED/EX. PROPERTY INLET, DRAINAGE PITS EX./FUT. INLET, DRAINAGE PITS DRAINAGE PIT STAGE/NUMBER EX./FUT. KERB AND CHANNEL EX./FUT. KERB AND CHANNEL KERB TO BE REMOVED OFFSITE STREET SIGN
C1	COUNCIL REQUIREMENTS	16.4.18	J.B.	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 1:1 PROP. BATTER
P1	PRELIMINARY ISSUE	15-02-18	J.B.	

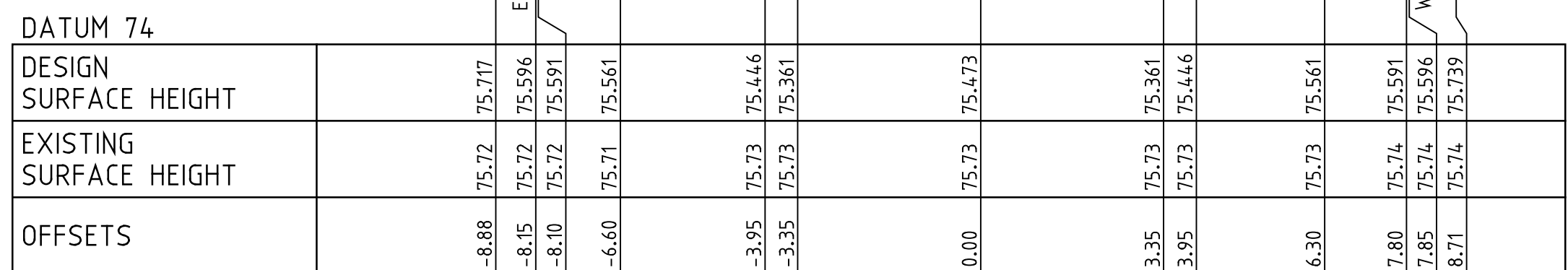
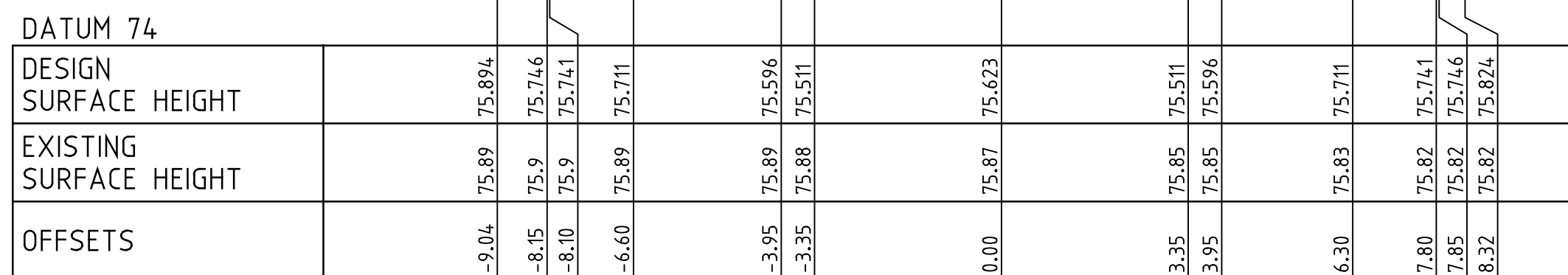
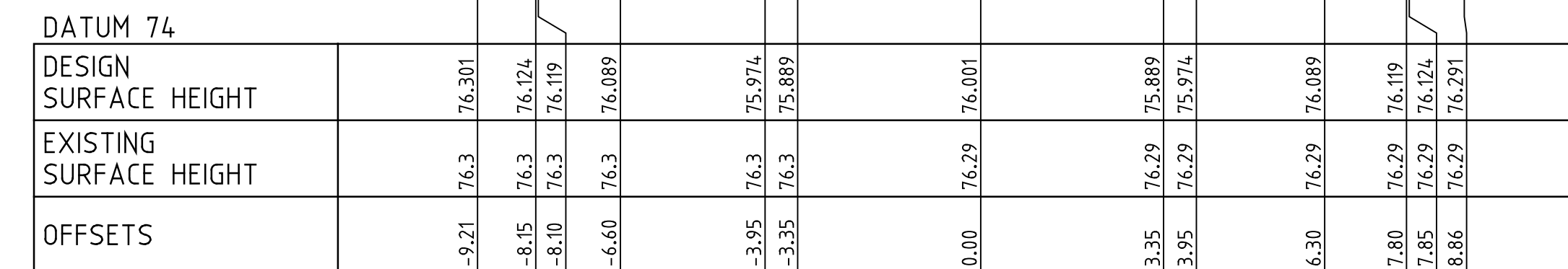
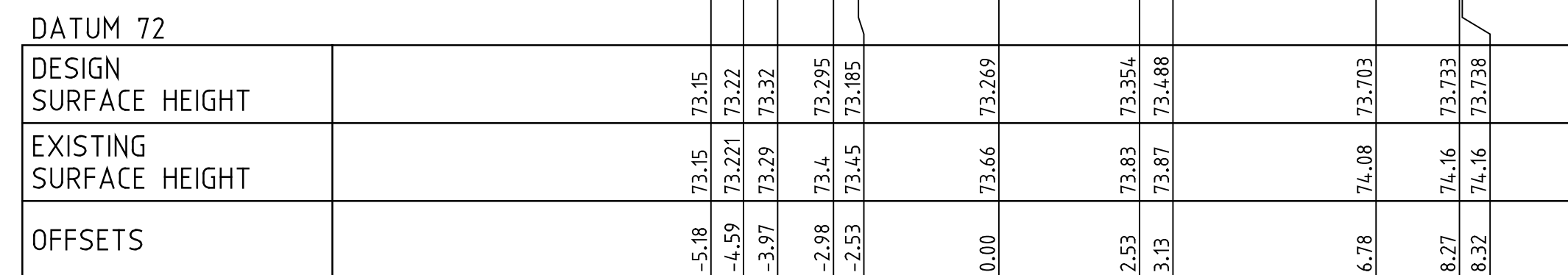
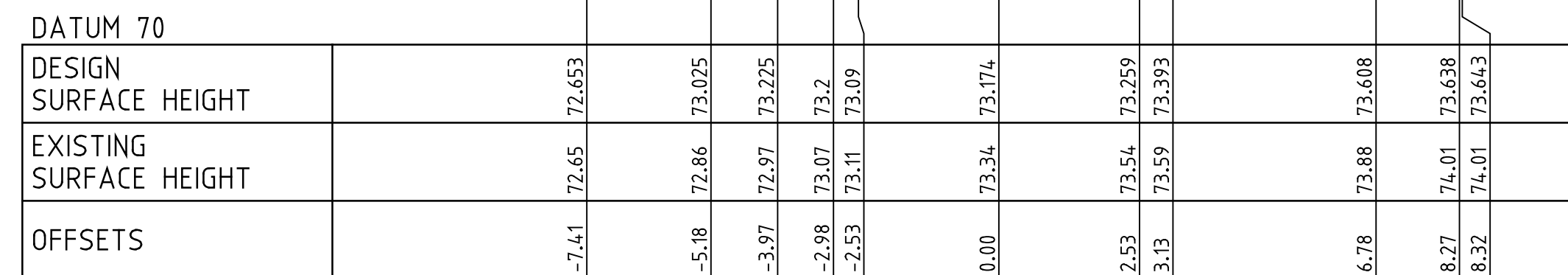
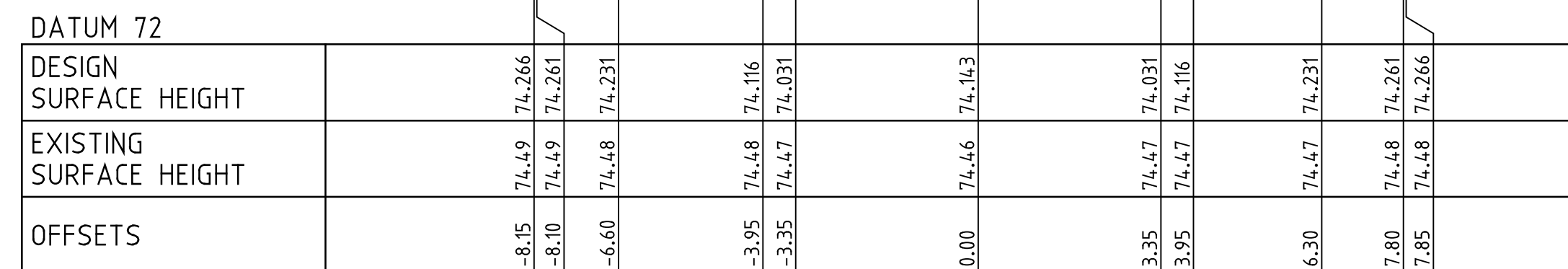
22 Business Park Drive Notting Hill 3168
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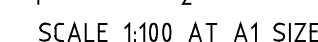
DRAWN:	J.BEVERIDGE
DESIGNED:	J.BEVERIDGE
CHECKED:	L.PAPAZOIS
AUTHORISED:	T.DAVOLI
DATE:	20-02-2018

AUTHORITY:	CITY OF MELTON
PROJECT:	MODEINA STAGE 17 ROADS AND DRAINAGE
DETAILS:	TYPICAL SECTIONS & RETAINING WALL DETAILS
DATE:	----

SCALE	NOT TO SCALE
LEVEL DATUM	AHD
SHEET	8 OF 18
DRAWING No.	1275/17/NE/8
REV.	C3

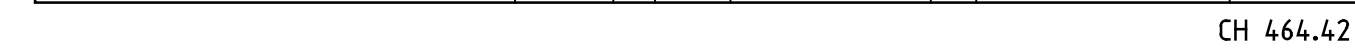
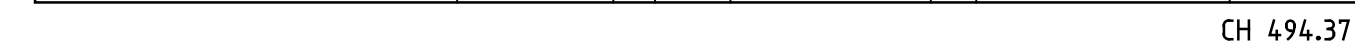
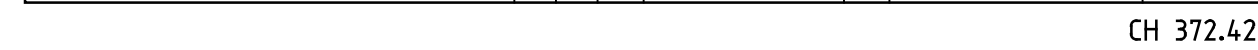
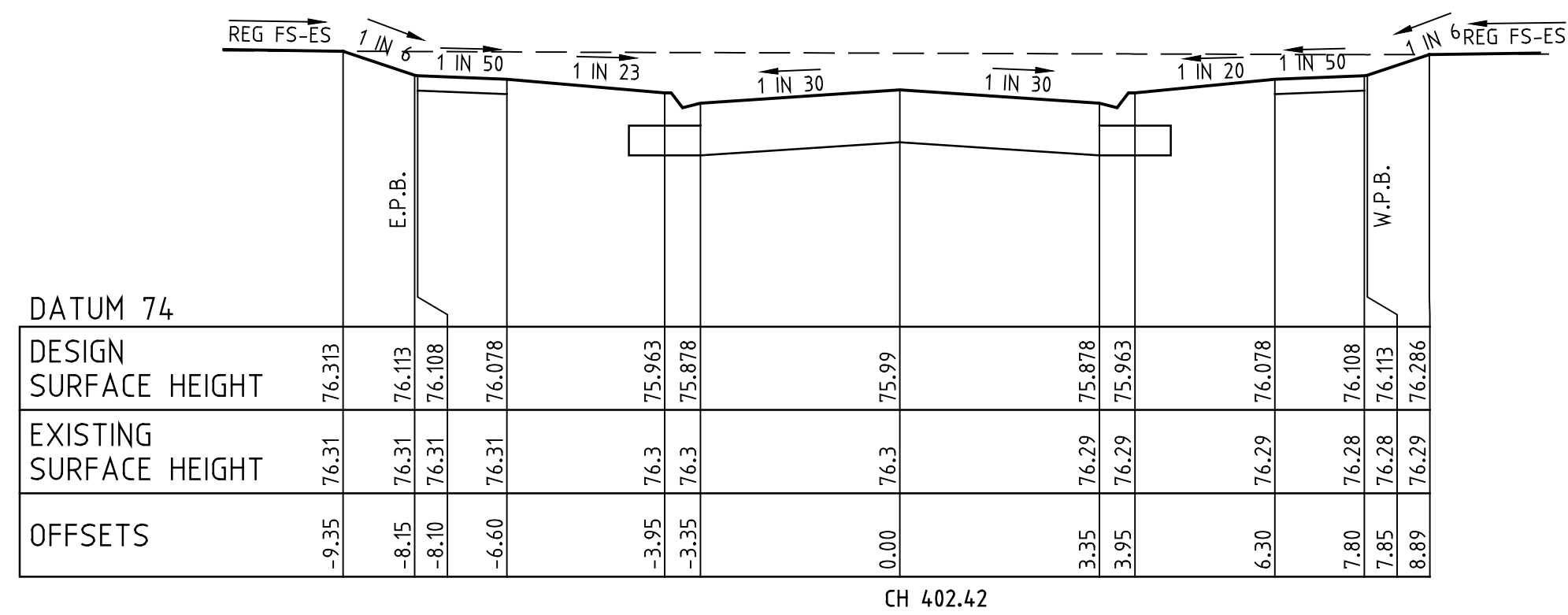


SCALES HOR 1 : 100 VER 1 : 50

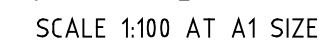


AS CONSTRUCTED

-	-	-	LEGEND										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 AS SHOWN
C3	AS CONSTRUCTED ISSUE	1.7.19	J.B.	 G	GAS MAIN	 H	HOUSE DRAIN PROPOSED/EX.	 P	PROPERTY INLET, DRAINAGE PITS	 20.06	EXISTING SURFACE LEVEL	DESIGNED: J.BEVERIDGE		PROJECT: MODEINA STAGE 17	LEVEL DATUM AHD	
C2	RETAINING WALL HEIGHTS AMENDED	25.7.18	J.B.	 W	WATER MAIN	 F	EX./FUT. INLET, DRAINAGE PITS	 FS21.35	FINISHED LEVEL (TITLE BOUNDARY)	 T21.35	DESIGN TOP/TOE OF BATTER LEVEL	CHECKED: L.PAPAZOIS		ROADS AND DRAINAGE	SHEET 12 OF 18	
C1	COUNCIL REQUIREMENTS	16.4.18	J.B.	 E	ELECTRICITY CABLE	 S	DRAINAGE PIT STAGE/NUMBER	 P21.350	DESIGN PAVEMENT LEVEL	 19.28	PROPOSED CONTOUR LINE & LEVEL	AUTHORISED: T.DAVOLI			DETAILS: ZACHARY STREET - CROSS SECTIONS	DRAWING No.
P1	PRELIMINARY ISSUE	15-02-18	J.B.	T	TELECOMMUNICATIONS CABLE	EX	EX. SEWER LINE AND STRUCTURES	1	CATCH DRAIN AND INVERT LEVEL	1	EX. BATTER LINE & INVERT LEVEL	DATE: 20-02-2018			- SHEET 1 OF 2	REV.
REV.	REVISION	DATE	APPD.	 R	RECYCLED WATER MAIN	 K	KERB AND CHANNEL	 EX/FUT. KERB AND CHANNEL	KERB TO BE REMOVED OFFSITE	 1	EX. BATTER LINE & INVERT LEVEL				C3	
				 CS	COMBINED SERVICES CONDUIT	 S	SIRET SIGN	 P.S.M	P.S.M	 1	EX. BATTER LINE & INVERT LEVEL					

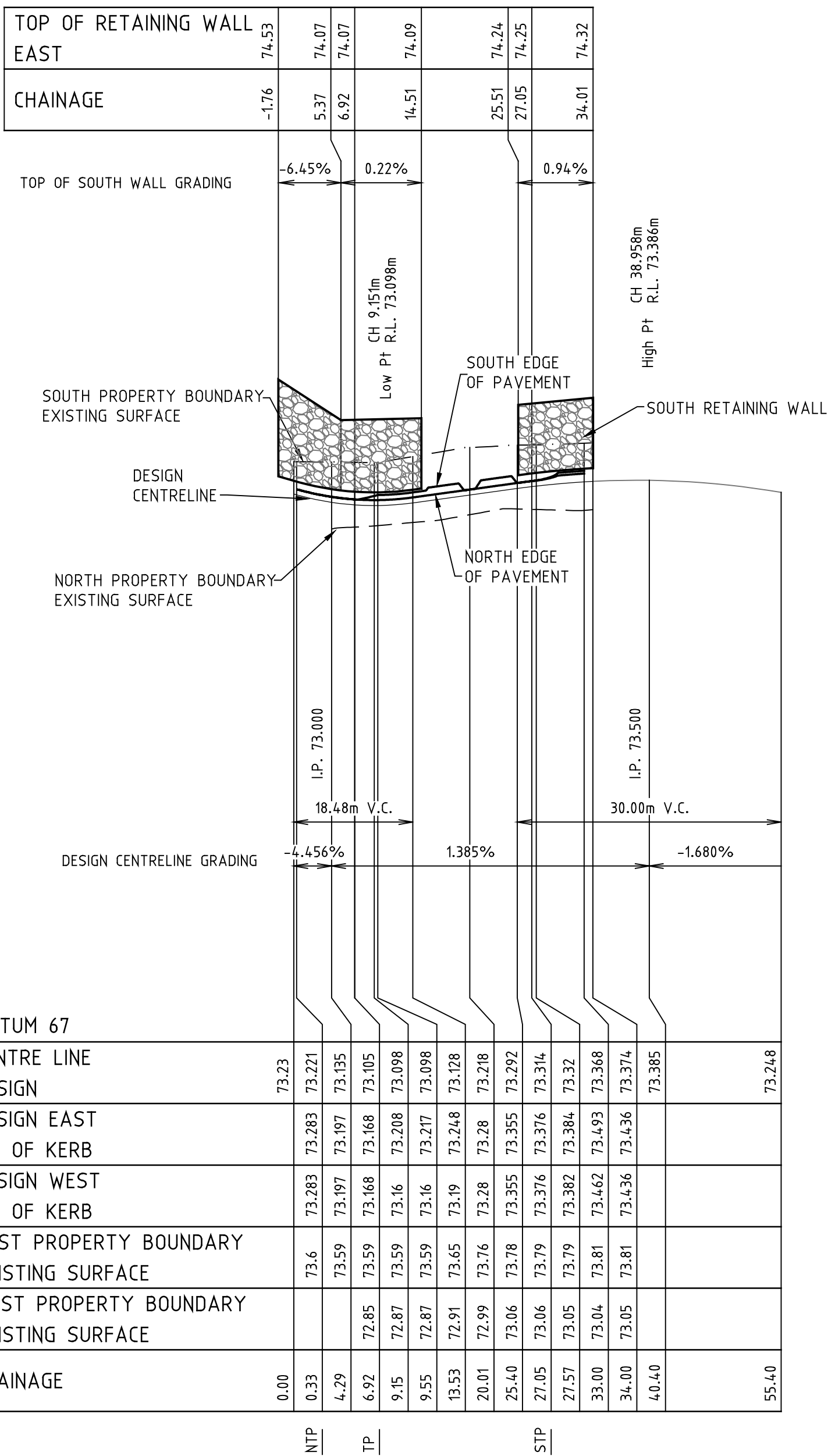


SCALES HOR 1 : 100 VER 1 : 50



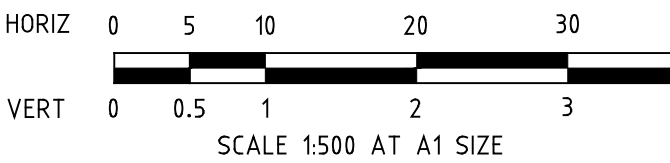
AS CONSTRUCTED

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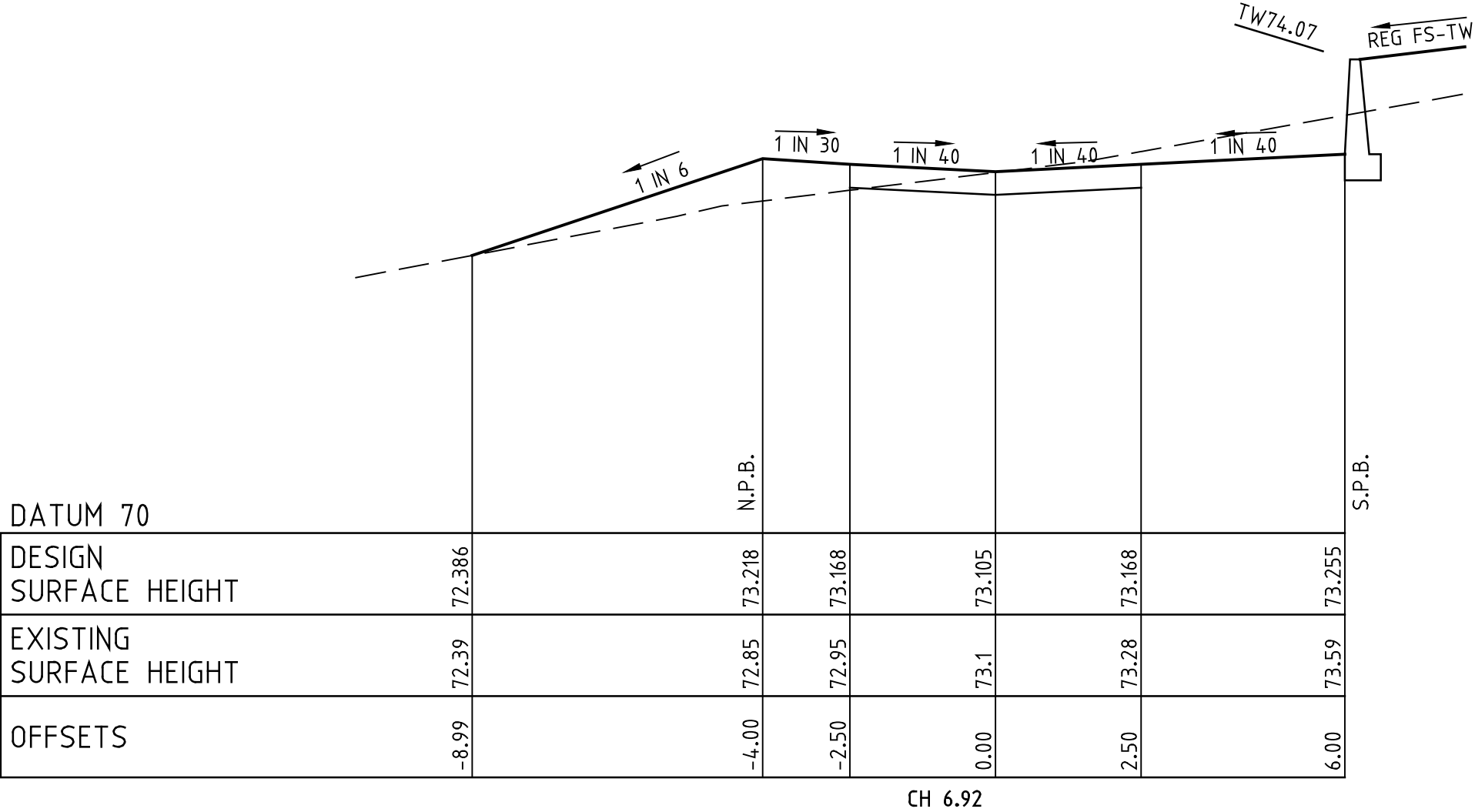
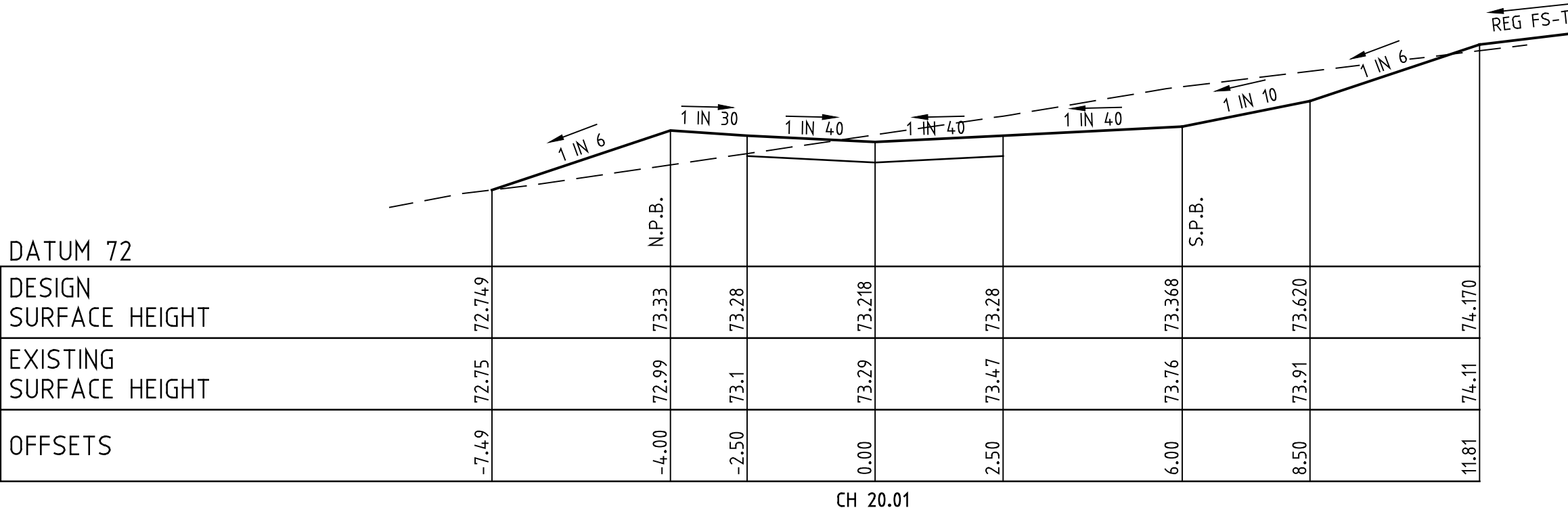
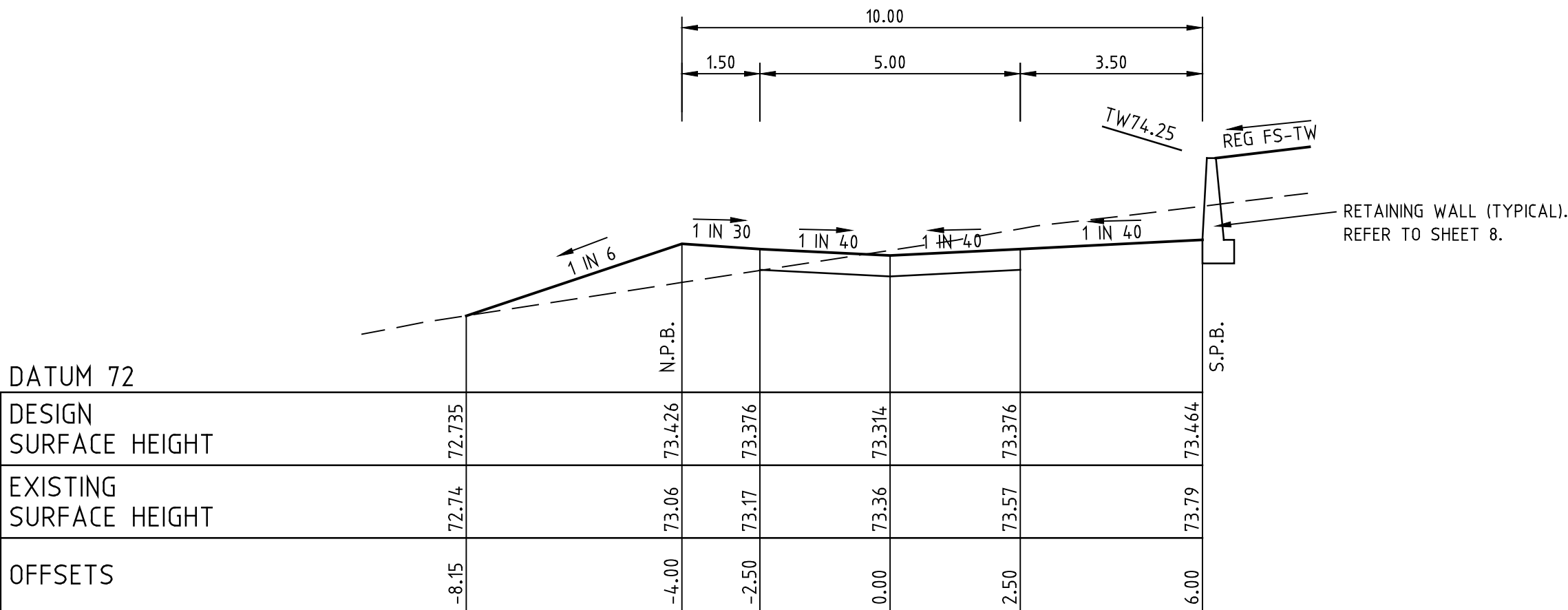
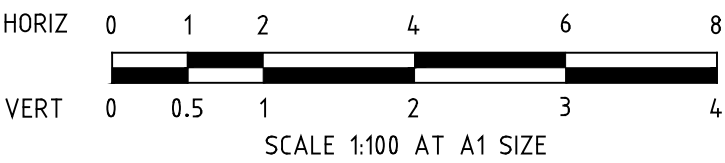
ROAD LONGITUDINAL SECTION SCOPE PLACE

SCALES HOR 1 : 500 VER 1 : 50



ROAD CROSS SECTIONS SCOPE PLACE

SCALES HOR 1 : 100 VER 1 : 50



LEGEND

-	-	-	-		GAS MAIN		HOUSE DRAIN PROPOSED/EX.		CHAINAGES AND TANGENT POINTS
C3	AS CONSTRUCTED ISSUE	1.7.19	J.B.		WATER MAIN		PROPERTY INLET, DRAINAGE PITS		EXISTING SURFACE LEVEL
C2	RETAINING WALL HEIGHTS AMENDED	25.7.18	J.B.		RECYCLED WATER MAIN		EX./FUT. INLET, DRAINAGE PITS		FINISHED LEVEL (TITLE BOUNDARY)
C1	COUNCIL REQUIREMENTS	16.4.18	J.B.		ELECTRICITY CABLE		DRAINAGE PIT STAGE/NUMBER		DESIGN TOP/TOP OF BATTER LEVEL
P1	PRELIMINARY ISSUE	15-02-18	J.B.		TELECOMMUNICATIONS CABLE		SEWER LINE AND STRUCTURES		DESIGN PAVEMENT LEVEL
REV.	REVISION	DATE	APPD.		WATER CONDUIT		EX./FUT. KERB AND CHANNEL		PROPOSED CONTOUR LINE & LEVEL
					GAS CONDUIT		KERB TO BE REMOVED OFFSITE		EXISTING CONTOUR LINE & LEVEL
					RECYCLED WATER CONDUIT		CATCH DRAIN AND INVERT LEVEL		FILLING IN EXCESS OF 200mm
					COMBINED SERVICES CONDUIT		STREET SIGN		EX. BATTER
					T.B.M.				PROP. BATTER
					P.S.M.				

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DRAWN: J.BEVERIDGE
DESIGNED: J.BEVERIDGE
CHECKED: L.PAPAZOIS
AUTHORISED: T.DAVOLI
DATE: 20-02-2018

AUTHORITY: CITY OF MELTON

PROJECT: MODEINA STAGE 17
ROADS AND DRAINAGE
DETAILS: SCOPE PLACE - LONGITUDINAL & CROSS SECTIONS

SCALE AS SHOWN

LEVEL DATUM AHD

SHEET 14 OF 18

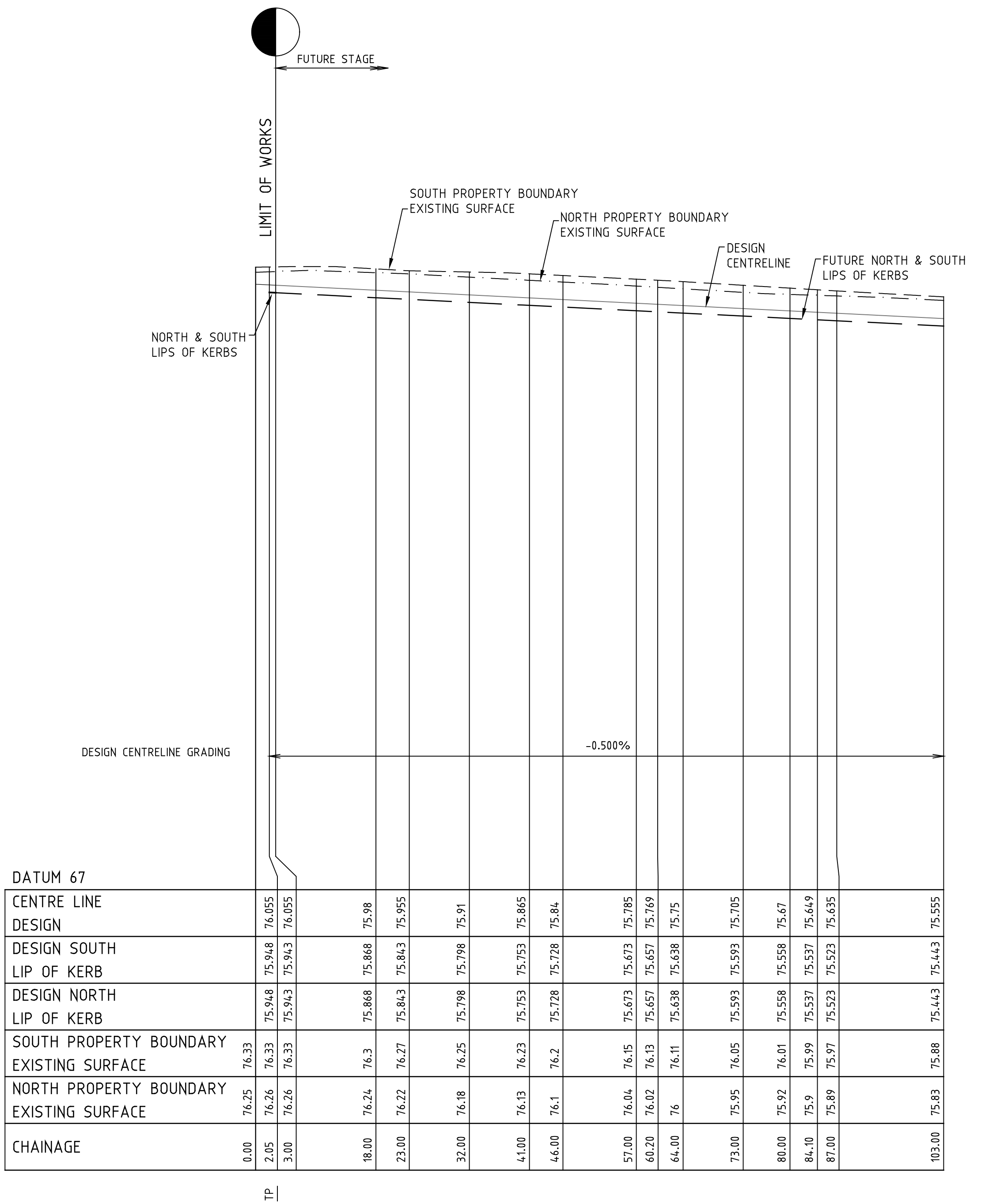
DRAWING No.

1275/17/NE/14

REV.

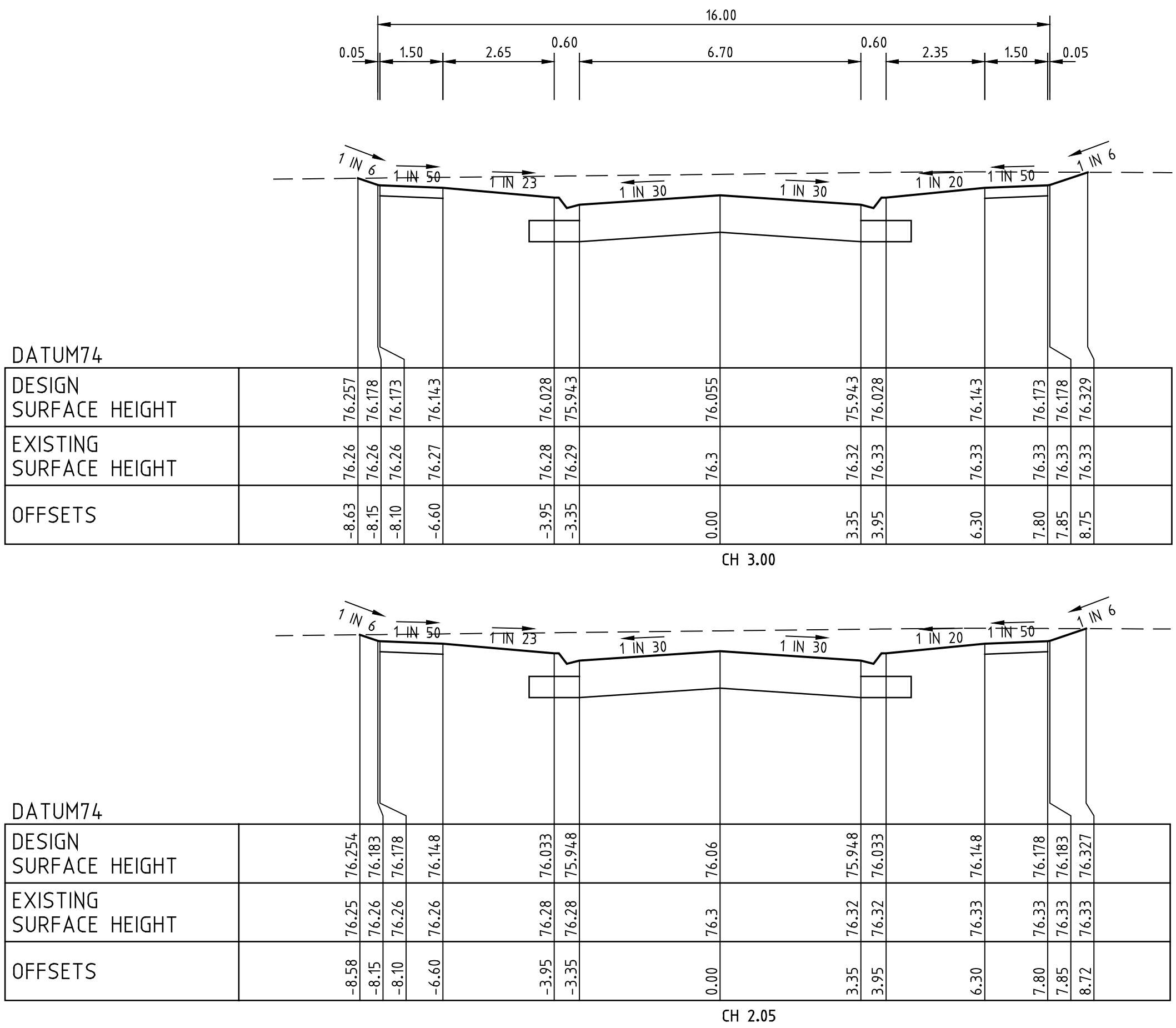
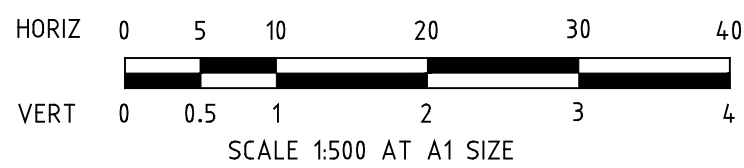
C3

AS CONSTRUCTED



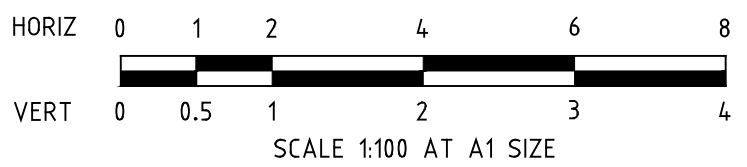
ROAD LONGITUDINAL SECTION ABARTH GROVE

SCALES HOR 1 : 500 VER 1 : 50



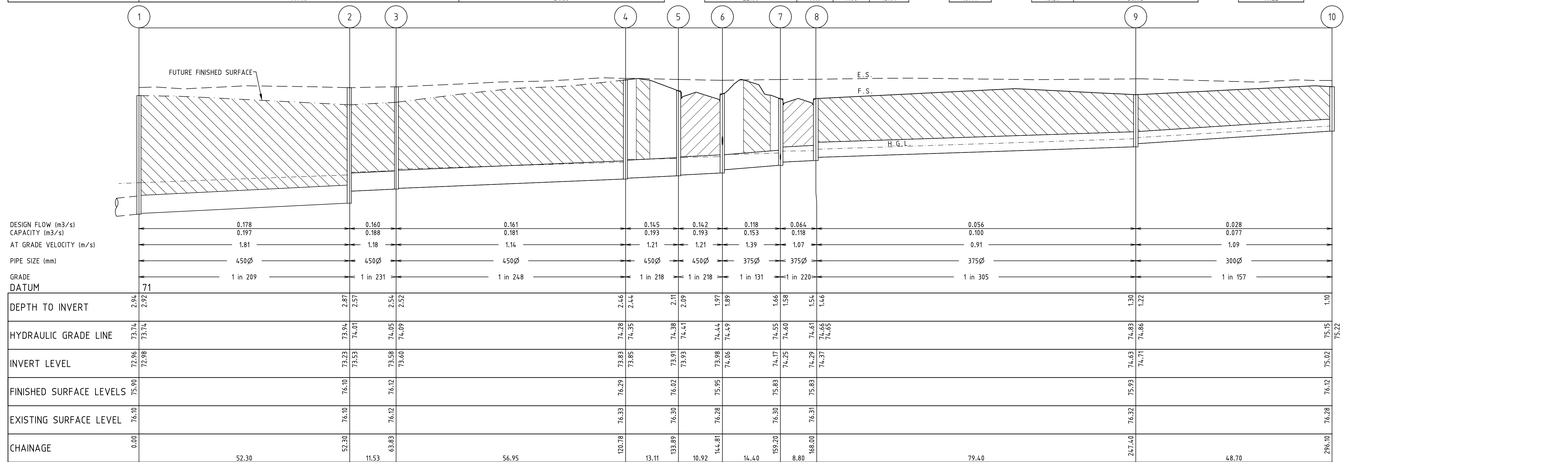
ROAD CROSS SECTIONS ABARTH GROVE

SCALES HOR 1 : 100 VER 1 : 50

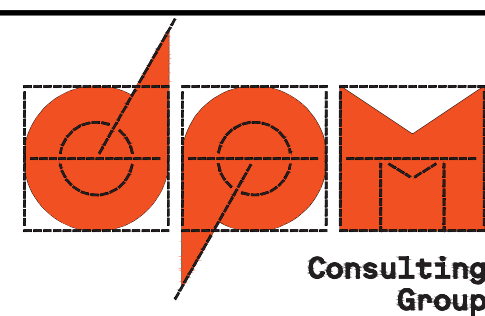


AS CONSTRUCTED

REV.	REVISION	DATE	APPD.	LEGEND	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: L.PAPAZOIS AUTHORISED: T.DAVOLI DATE: 20-02-2018	AUTHORITY: CITY OF MELTON PROJECT: MODEINA STAGE 17 ROADS AND DRAINAGE DETAILS: ABARTH GROVE - LONGITUDINAL & CROSS SECTIONS	SCALE 1:500 LEVEL DATUM AHD SHEET 15 OF 18 DRAWING No. 1275/NE/17/15 REV. C2
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SCALES HOR 1 : 500 VER 1 : 50



DRAWN: J.BEVERIDGE	AUTHORITY: CITY OF MELTON	SCALE AS SHOWN
DESIGNED: J.BEVERIDGE	PROJECT: MODEINA STAGE 17	LEVEL DATUM AHD
CHECKED: L.PAPAZOIS	ROADS AND DRAINAGE	SHEET 16 OF 18
AUTHORISED: T.DAVOLI	DETAILS: DRAINAGE LONGITUDINAL SECTIONS	DRAWING No. 1275/17/NE/16
DATE: 20-02-2018	- SHEET 1 OF 2	REV. C2

PIT SCHEDULE											
PIT No.	TYPE	INTERNAL WID.	INTERNAL LEN.	INLET DIA.	INV R.L.	OUTLET DIA.	INV R.L.	F.S.L.	PIT DEPTH	REMARKS	
1	JP	750	900	450	72.98	Ex450	72.96	75.90	2.94	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm	
*2	JP	750	900	450	73.53	450	73.23	76.10	2.87	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm	
*3	JP	900	750	450	73.60	450	73.58	76.12	2.54	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm	
4	JP	750	900	450	73.85	450	73.83	76.29	2.46	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm	
5	SEP	900	600	450	73.93	450	73.91	76.02	2.11	REFER EDCM 601.	
6	SEP	900	600	375	74.06	450	73.98	75.95	1.97	REFER EDCM 601.	
				225	74.67						
7	SEP	900	600	375	74.25	375	74.17	75.83	1.66	REFER EDCM 603.	
				300	74.25						
8	SEP	900	600	375	74.37	375	74.29	75.83	1.54	REFER EDCM 603.	
9	SEP	600	900	300	74.71	375	74.63	75.93	1.30	REFER EDCM 603.	
10	JP	600	900	-	-	300	75.02	76.12	1.10		
12	SEP	600	900	300	74.80	300	74.72	75.92	1.20	REFER EDCM 603.	
13	JP	600	900	-	-	300	75.01	76.11	1.10	REFER EDCM 605.	
14	EW	-	-	-	-	600	65.44	-	-	SUBMERGED CRADLE TYPE ENDWALL. REFER TO DETAIL ON SHEET 6.	
14a	JP	900	600	525	65.49	600	65.49	66.29	0.80	REFER EDCM 605.	
14b	JP	900	600	525	67.00	525	65.76	68.28	2.52	REFER EDCM 605.	
14c	JP	900	600	525	70.20	525	69.00	71.09	2.09	REFER EDCM 605.	
15	GPT	-	-	525	70.25	525	70.25	71.87	1.62	SPEL VORTICEPTOR SV1055 OR APPROVED EQUIVALENT	
*16	JP	1050	600	525	70.35	525	70.32	72.43	2.11	REFER EDCM 605. PROVIDE 300 DIA STUB EAST WALL @ IL70.80.	
*17	JP	1050	900	525	70.44	525	70.41	72.98	2.57	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm	
*18	JP	900	900	525	70.59	525	70.56	72.70	2.14	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm	
*19	JP	900	900	525	70.68	525	70.65	72.58	1.93	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm. PROVIDE 300 DIA STUB NORTH WALL @ IL 70.78	
*20	JP	900	900	525	70.80	525	70.77	72.66	1.89	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm	

PIT SCHEDULE											
PIT No.	TYPE	INTERNAL WID.	INTERNAL LEN.	INLET DIA.	INV R.L.	OUTLET DIA.	INV R.L.	F.S.L.	PIT DEPTH	REMARKS	
*21	JP	900	900	525	70.89	525	70.86	73.05	2.19	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm	
*22	JP	900	900	450	71.00	525	70.92	73.19	2.17	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm. PROVIDE 300 DIA STUB SOUTH WALL @ IL 71.84.	
*23	JP	900	750	450	71.07	450	71.04	73.84	1.80	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm	
24	JP	750	900	450	71.19	450	71.16	73.08	1.92	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm	
25	JP	750	900	450	71.35	450	71.32	73.36	2.04	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm	
26	JP	750	900	300	71.90	450	71.51	73.11	1.60	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm PROVIDE H.D. GATIC GRATED COVER	
				300	71.66					REFER EDCM 603.	
27	SEP	600	900	300	72.50	300	72.42	73.86	1.44		
				300	72.50						
28	JP	600	900	300	74.24	300	74.16	75.44	1.28	REFER EDCM 605.	
				300	74.24						
29	SEP	600	900	225	74.50	300	74.42	75.63	1.21	REFER EDCM 603.	
30	JP	600	900	-	-	225	74.89	76.02	1.13	REFER EDCM 605.	
31	JP	600	900	300	71.79	300	71.76	73.27	1.51	REFER EDCM 605.	
32	DSEP	600	2x900	300	71.85	300	71.82	73.21	1.39	REFER EDCM 602 & 603.	
33	JP	900	600	225	72.28	300	72.20	73.42	1.22	REFER EDCM 605.	
34	JP	600	900	-	-	225	72.34	73.47	1.13	REFER EDCM 605.	
35	SEP	900	600	-	-	300	72.81	74.17	1.36	REFER EDCM 603.	
36	SEP	900	600	225	74.50	300	74.42	75.64	1.22	REFER EDCM 603.	
37	JP	600	900	-	-	225	74.89	76.03	1.14	REFER EDCM 605.	
45	JP	600	900	-	-	225	74.74	75.87	1.13	REFER EDCM 605.	

× PROVIDE A MALTHOID JOINT AT 500mm BELOW THE COVER LEVEL TO ALLOW FOR FUTURE ADJUSTMENT OF THE PITS.

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

INDICATES CLASS 2 CRUSHED ROCK BACKFILL
INDICATES CLASS 3 CRUSHED ROCK BACKFILL

