

MODEINA STAGE 12c

CITY OF MELTON



DENNIS, PRICE & MILLER PTY. LTD.

A.C.N. 006 550 803

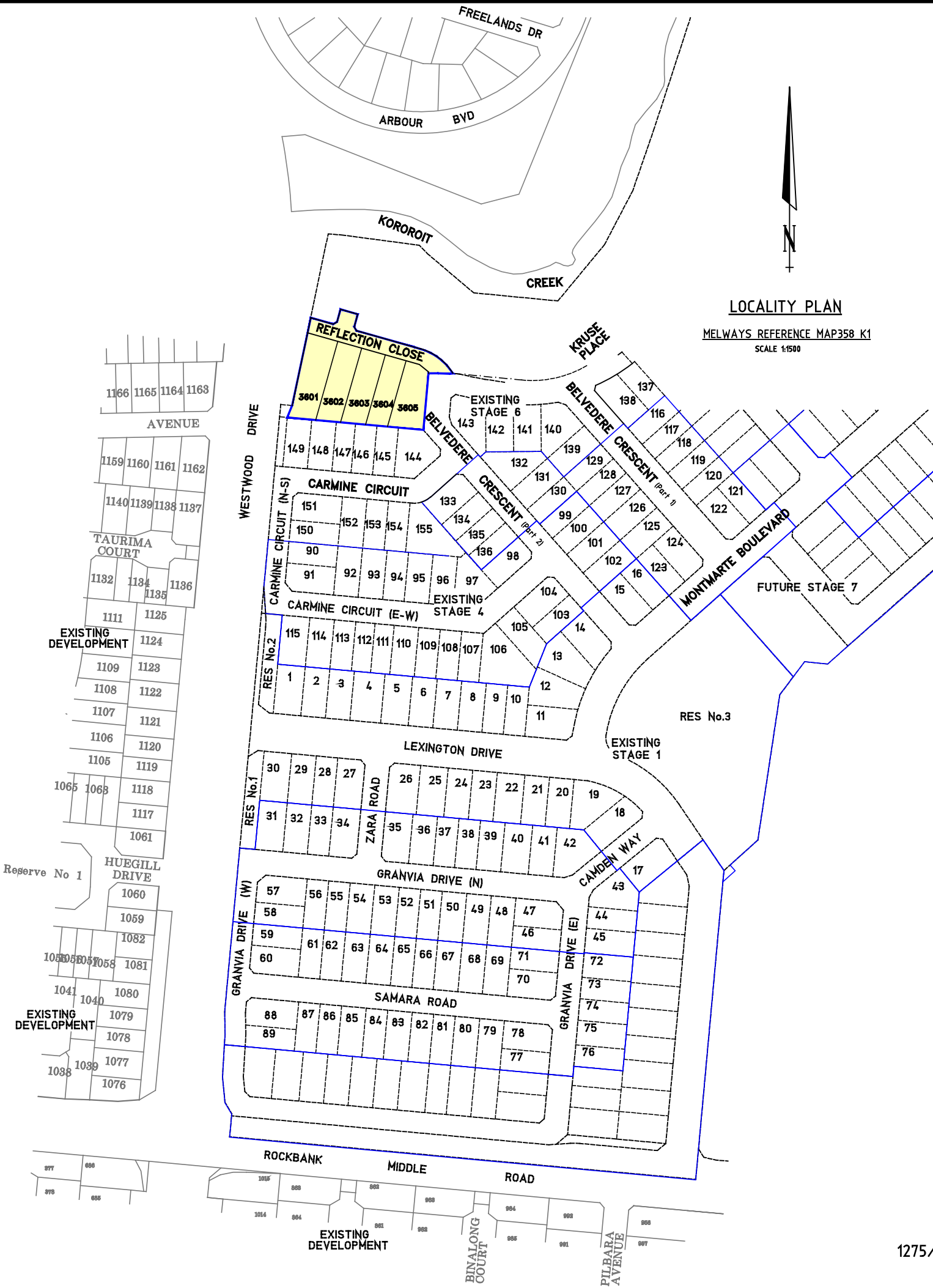
CONSULTING CIVIL ENGINEERS & PROJECT MANAGERS

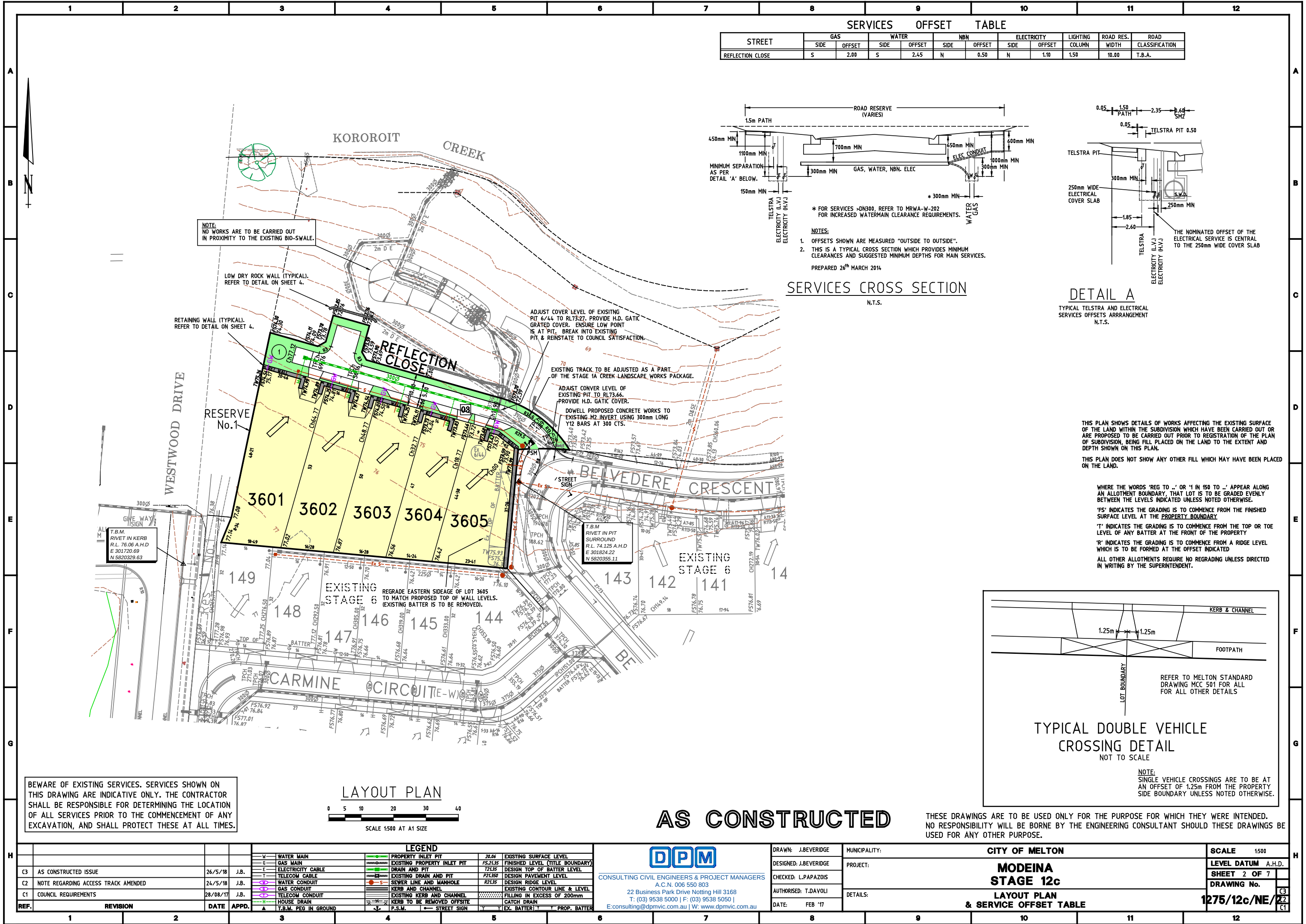
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DRAWING INDEX

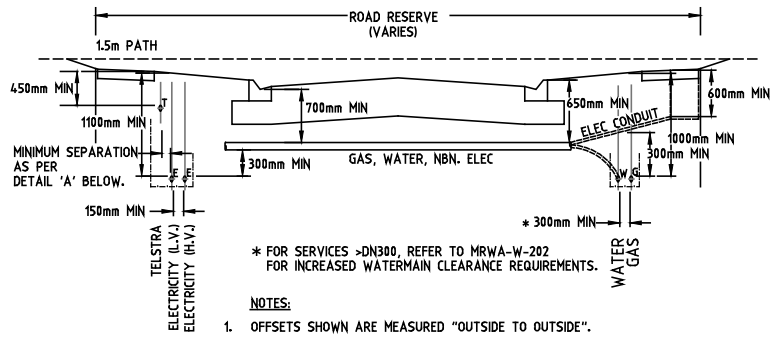
1275/12c/NE/1	COVER SHEET AND LOCALITY PLAN
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AS CONSTRUCTED



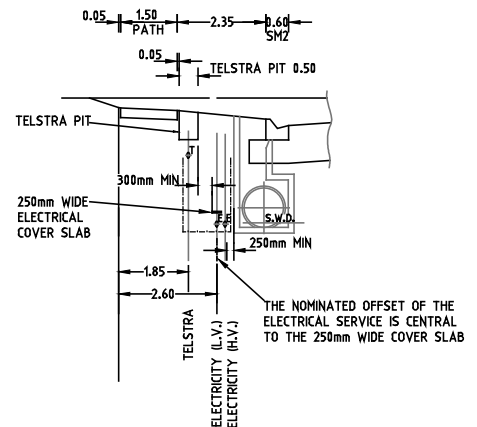


STREET	SERVICES OFFSET TABLE										
	GAS		WATER		NBN		ELECTRICITY		LIGHTING	ROAD RES.	ROAD
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	COLUMN	WIDTH	CLASSIFICATION
REFLECTION CLOSE	S	2.00	S	2.45	N	0.50	N	1.10	1.50	10.00	T.B.A.



- NOTES:
1. OFFSETS SHOWN ARE MEASURED "OUTSIDE TO OUTSIDE".
 2. 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.

THIS PLAN SHOWS DETAILS OF WORKS AFFECTING THE EXISTING SURFACE OF THE LAND WITHIN THE SUBDIVISION WHICH HAVE BEEN CARRIED OUT OR ARE PROPOSED TO BE CARRIED OUT PRIOR TO REGISTRATION OF THE PLAN OF SUBDIVISION, BEING FILL PLACED ON THE LAND TO THE EXTENT AND DEPTH SHOWN ON THIS PLAN.

THIS PLAN DOES NOT SHOW ANY OTHER FILL WHICH MAY HAVE BEEN PLACED ON THE LAND.

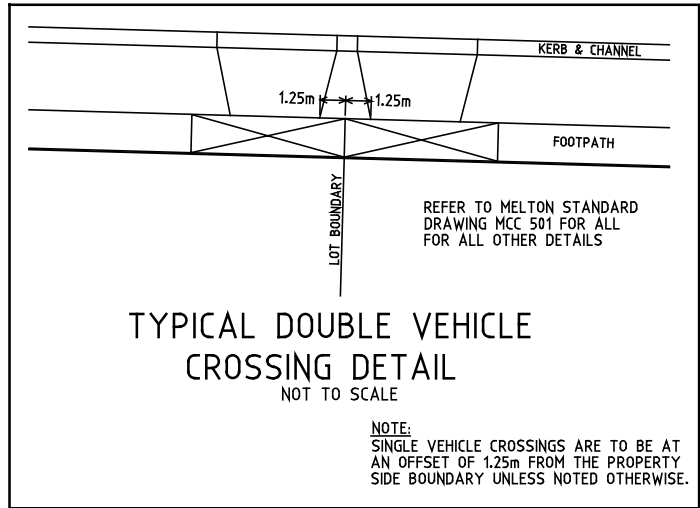
WHERE THE WORDS 'REG TO ..' OR 'I IN 150 TO ..' APPEAR ALONG AN ALLOTMENT BOUNDARY, THAT LOT IS TO BE GRADED EVENLY BETWEEN THE LEVELS INDICATED UNLESS NOTED OTHERWISE.

'FS' INDICATES THE GRADING IS TO COMMENCE FROM THE FINISHED SURFACE LEVEL AT THE PROPERTY BOUNDARY.

'T' INDICATES THE GRADING IS TO COMMENCE FROM THE TOP OR TOE LEVEL OF ANY BATTER AT THE FRONT OF THE PROPERTY.

'R' INDICATES THE GRADING IS TO COMMENCE FROM A RIDGE LEVEL WHICH IS TO BE FORMED AT THE OFFSET INDICATED.

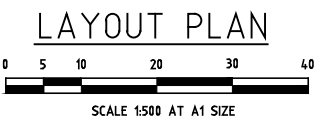
ALL OTHER ALLOTMENTS REQUIRE NO REGRADING UNLESS DIRECTED IN WRITING BY THE SUPERINTENDENT.



TYPICAL DOUBLE VEHICLE CROSSING DETAIL
NOT TO SCALE

NOTE:
SINGLE VEHICLE CROSSINGS ARE TO BE AT AN OFFSET OF 1.25m FROM THE PROPERTY SIDE BOUNDARY UNLESS NOTED OTHERWISE.

BEWARE OF EXISTING SERVICES. SERVICES SHOWN ON THIS DRAWING ARE INDICATIVE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL SERVICES PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION, AND SHALL PROTECT THESE AT ALL TIMES.



AS CONSTRUCTED

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.

REVISION				LEGEND			
REF.	REVISION	DATE	APPD.	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
C3	AS CONSTRUCTED ISSUE	26/5/18	J.B.	W	WATER MAIN	28.06	EXISTING SURFACE LEVEL
C2	NOTE REGARDING ACCESS TRACK AMENDED	24/5/18	J.B.	G	GAS MAIN	FS 21.35	FINISHED LEVEL (TITLE BOUNDARY)
C1	COUNCIL REQUIREMENTS	28/08/17	J.B.	E	ELECTRICITY CABLE	721.35	DESIGN TOP OF BATTER LEVEL
				T	TELECOM CABLE	P21.350	DESIGN PAVEMENT LEVEL
				W	WATER CONDUIT	R21.35	DESIGN RIDGE LEVEL
				G	GAS CONDUIT		EXISTING CONTOUR LINE & LEVEL
				E	TELECOM CONDUIT		FILLING IN EXCESS OF 200mm
				H	HOUSE DRAIN		CATCH DRAIN
				P	T.B.M. PEG IN GROUND		EX. BATTER
							PROP. BATTER

DPM
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DESIGNED: J.BEVERIDGE	PROJECT: MODEINA STAGE 12c	LEVEL DATUM: A.H.D.
CHECKED: L.PAPAZOIS	DETAILS: LAYOUT PLAN & SERVICE OFFSET TABLE	SHEET 2 OF 7
AUTHORISED: T.DAVOLI		DRAWING No. 1275/12c/NE/22
DATE: FEB '17		

WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE GROWTH AREAS AUTHORITY (G.A.A.) ENGINEERING DESIGN AND CONSTRUCTION MANUAL FOR SUBSIDITION IN GROWTH AREAS (APRIL 2010) AND TO THE SATISFACTION OF THE CITY OF MELTON'S CHIEF EXECUTIVE OFFICE OR HIS/HER NOMINATED REPRESENTATIVE. SUBSIDION'S SENIOR SUBDIVISION APPROVALS ENGINEER IS TO BE NOTIFIED IN WRITING, SEVEN (7) DAYS PRIOR TO THE COMMENCEMENT OF WORKS.

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. CHAINAGES REFER TO CENTRELINE OF ROAD RESERVE UNLESS INDICATED OTHERWISE.

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.

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.

ALL EASEMENT DRAINS ARE TO BE OFFSET 1.00m FROM PROPERTY BOUNDARY UNLESS OTHERWISE SHOWN.

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. 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.

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.

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.

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. 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.

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.

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 SIDE WATER BE CONNECTED TO UNDERGROUND DRAINS IN ROAD RESERVES WHERE POSSIBLE TO A MINIMUM OF 600mm ABOVE 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.

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 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.

BEFORE COMMENCING WORK ON DRAINS IN EXCESS OF 15 METRES DEEP A NOTICE OF SUCH A PROPOSAL IS TO BE SENT TO THE OCCUPATION HEALTH & 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.

BOTH KERBS ARE TO BE MARKED WITH THE LETTERS G, W, T, E AND H ABOVE THE SERVICE LOCATIONS AS SPECIFIED.

CUT BATTERS ARE NOT TO EXCEED 1 IN 6 AND FILLED 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 1:10.

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.

STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH AS 1742.5 & THE CURRENT CITY OF MELTON REQUIREMENTS INCLUDING THE PROVISION OF LOGOS.

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.

OPTUS AND TELSTRA SERVICE CONDUITS ARE TO BE EXTENDED TO 1000mm INSIDE THE PROPERTY BOUNDARY. OPTUS AND TELSTRA CABLES 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

ALL LINEMARKING TO BE WITH REFLECTORIZED GLASS BEAD POINT 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.

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.

THE CONTRACTOR IS TO INSTALL BLUE RAISED REFLECTIVE PAVEMENT MARKERS ON THE ROAD CENTRELINE AND MARKER POSTS TO INDICATE THE LOCATION OF THE FIREPLUGS.

ANY FOOTPATHS OR KERB AND CHANNEL DAMAGED DURING CONSTRUCTION AND MAINTENANCE PERIODS TO BE REINSTATED TO THE SATISFACTION OF THE CITY OF MELTON.

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.

EARTHWORKS ARE TO BE PERFORMED IN ACCORDANCE WITH AS3798-2007. ON COMPLETION THE CONTRACTOR SHALL PRESENT A "LEVEL 1" TYPE REPORT NOMINATING THE EXTENT OF FILL PLACED, ITS CONFORMANCE WITH THE SPECIFICATION AND ITS CLASSIFICATION AS CONTROLLED FILL. FILL 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.

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.

ALL CONCRETE FOR KERB AND CHANNEL, FOOTPATH AND DRIVE CROSSINGS TO BE 25MPa UNLESS NOTED OTHERWISE

THE CONTRACTOR CANNOT CONSTRUCT ANY ELECTRICAL WORKS WITHOUT THE PRIOR CONSENT OF THE RELEVANT ELECTRICITY AUTHORITY

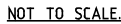
PRIOR TO COMMENCEMENT OF WORKS, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION--

- SOURCE OF QUARRY MATERIAL
- OPTIMUM MOISTURE CONTENT AND MAXIMUM DRY DENSITY OF THE F.C.R. TO BE USED (FROM N.A.T.A. APPROVED LABORATORY)
- IF THE SOURCE OF THE QUARRY MATERIAL IS CHANGED DURING THE COURSE OF THE WORKS, NEW TEST RESULTS SHALL BE PROVIDED.

THE DISPOSAL SITE FOR SPOIL FROM SITE & THE TRUCK ROUTE IS TO BE SUBMITTED TO & APPROVED BY THE 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.

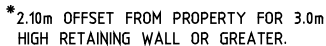
COMPACTION RESULTS FOR SEWER MAINS CROSSING ROAD RESERVES ARE TO BE SUBMITTED TO THE SUPERINTENDENT

- 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.



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

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



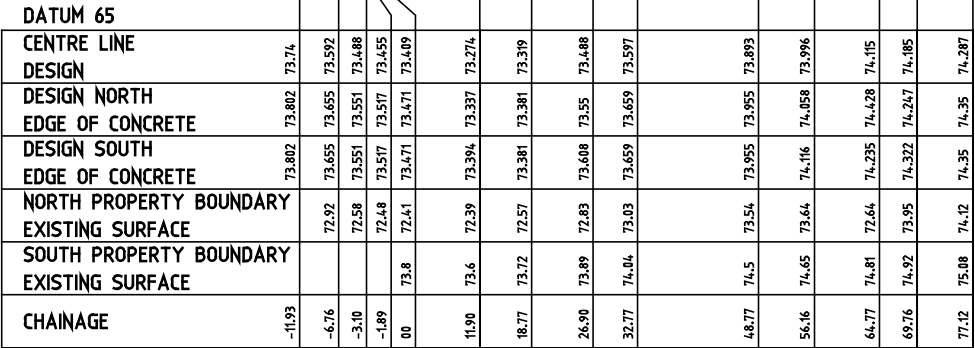
NOT TO SCALE.

AS CONSTRUCTED

DRAWN: J. BEVERIDGE
DESIGNED: J. BEVERIDGE
CHECKED: L. PAPAZOIS
AUTHORISED: T. DAVOLI
DATE: FEB '17

MUNICIPALITY:	CITY OF MELTON
PROJECT:	MODEINA STAGE 12c
DETAILS:	GENERAL NOTES, PAVEMENT COMPOSITION, TYPICAL SECTION, RETAINING WALL DETAILS & LOW DRY ROCK WALL DETAILS

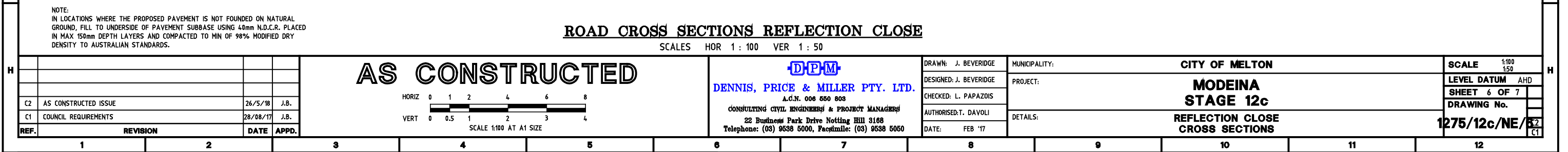
SCALE AS SHOWN
LEVEL DATUM
SHEET 4 OF 7
DRAWING No.
1275/12c/NE/

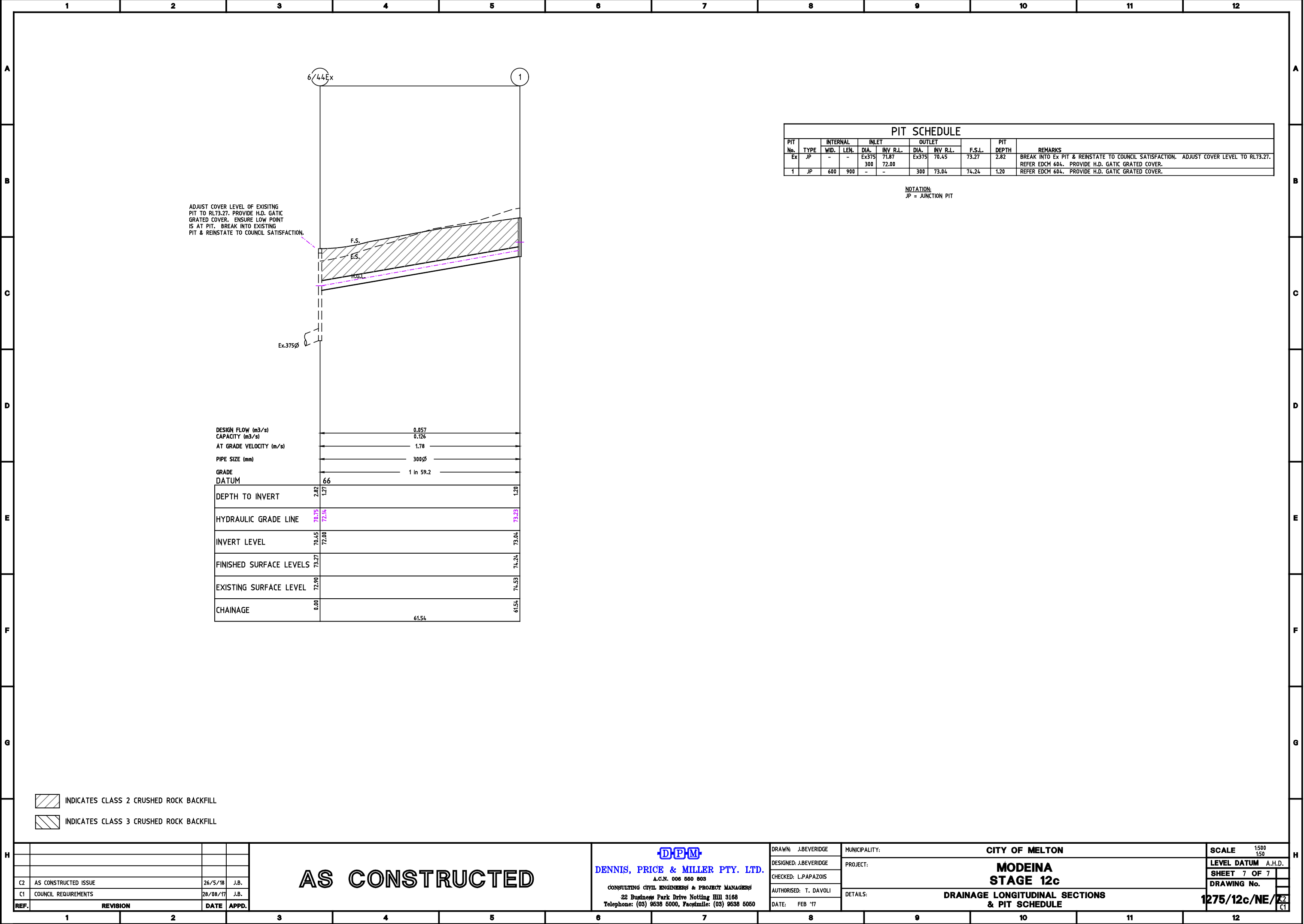


SCALES HOR 1 : 500 VER 1 : 500

2/5/12C/NE

Figure 1 shows a scale bar for horizontal and vertical dimensions. The horizontal scale (HORIZ) ranges from 0 to 40 units, with major markings at 0, 5, 10, 20, 30, and 40. The vertical scale (VERT) ranges from 0 to 4 units, with major markings at 0, 0.5, 1, 2, 3, and 4. The scale is 1:500 at A1 size.





PIT SCHEDULE										
PIT No.	TYPE	INTERNAL		INLET		OUTLET		F.S.L.	PIT DEPTH	REMARKS
		WID.	LEN.	DIA.	INV R.L.	DIA.	INV R.L.			
Ex	JP	-	-	Ex375	71.87	Ex375	70.45	73.27	2.82	BREAK INTO Ex PIT & REINSTATE TO COUNCIL SATISFACTION. ADJUST COVER LEVEL TO RL73.27. REFER EDCM 604. PROVIDE H.D. GATIC GRATED COVER.
1	JP	600	900	-	-	300	73.04	74.24	1.20	REFER EDCM 604. PROVIDE H.D. GATIC GRATED COVER.

NOTATION:
JP = JUNCTION PIT

REF.	REVISION	DATE	APPD.
C2	AS CONSTRUCTED ISSUE	26/5/18	J.B.
C1	COUNCIL REQUIREMENTS	28/08/17	J.B.

AS CONSTRUCTED


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MUNICIPALITY: CITY OF MELTON
PROJECT: MODEINA STAGE 12c
DETAILS: DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULE

SCALE 1:500
1:50
LEVEL DATUM A.H.D.
SHEET 7 OF 7
DRAWING No. 1275/12c/NE/12
C1