MODEINA STAGE 18

CITY OF MELTON

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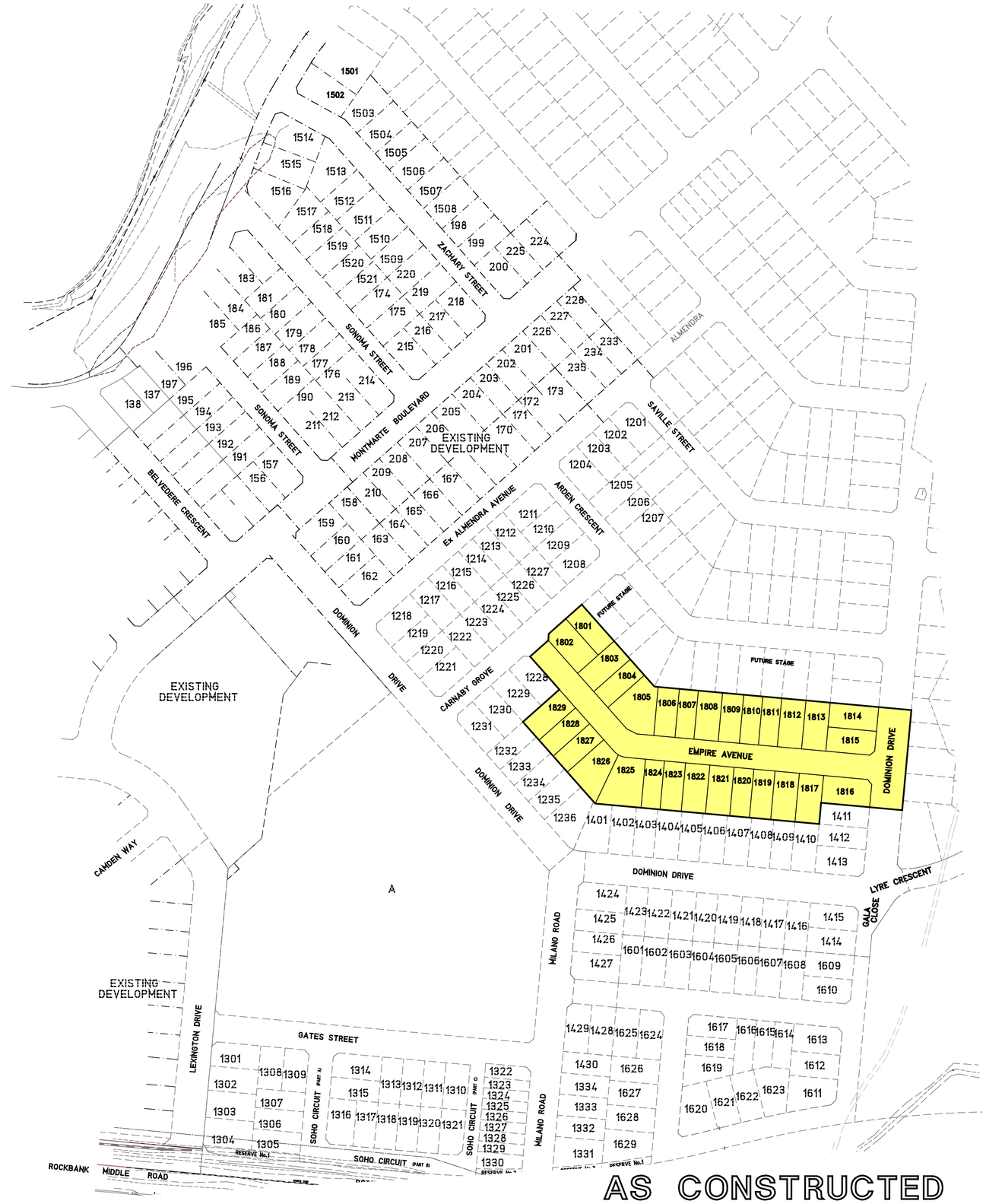
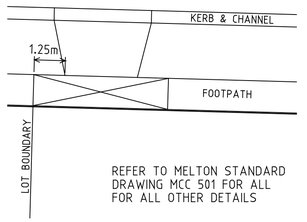


AS CONSTRUCTED

DRAWING No. 1275/18/NE/1

MELWAYS REF. 25 A1



REFER TO MELTON STANDARD DRAWING MCC 501 FOR ALL FOR ALL OTHER DETAILS

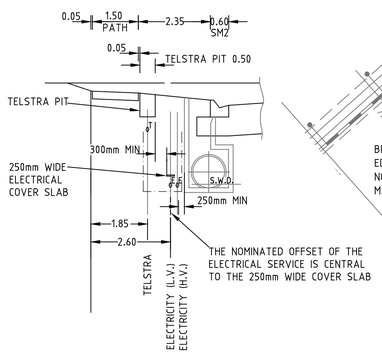
TYPICAL VEHICLE CROSSING DETAIL

NOT TO SCALE

SERVICES OFFSET TABLE

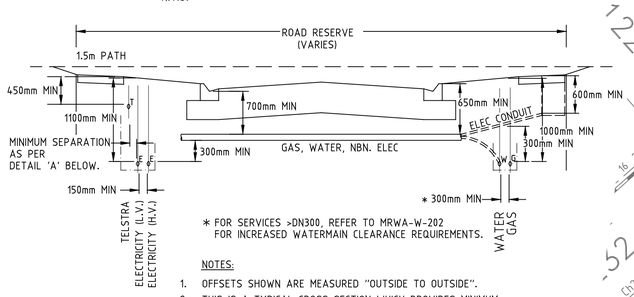
STREET	GAS		WATER		TELECOMMUNICATIONS		ELECTRICITY		LIGHTING	ROAD RES.
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	COLUMN	WIDTH
EMPIRE AVENUE	S	2.25	S	2.68	N	1.80	N	2.35	1.00 BOK	16.00
DOMINION DRIVE	W	2.25	W	2.68	E	2.85	E	3.60	1.00 BOK	21.50m

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.



DETAIL A

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



* FOR SERVICES >DN300, REFER TO MRWA-W-202 FOR INCREASED WATERMAIN CLEARANCE REQUIREMENTS.

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.

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.

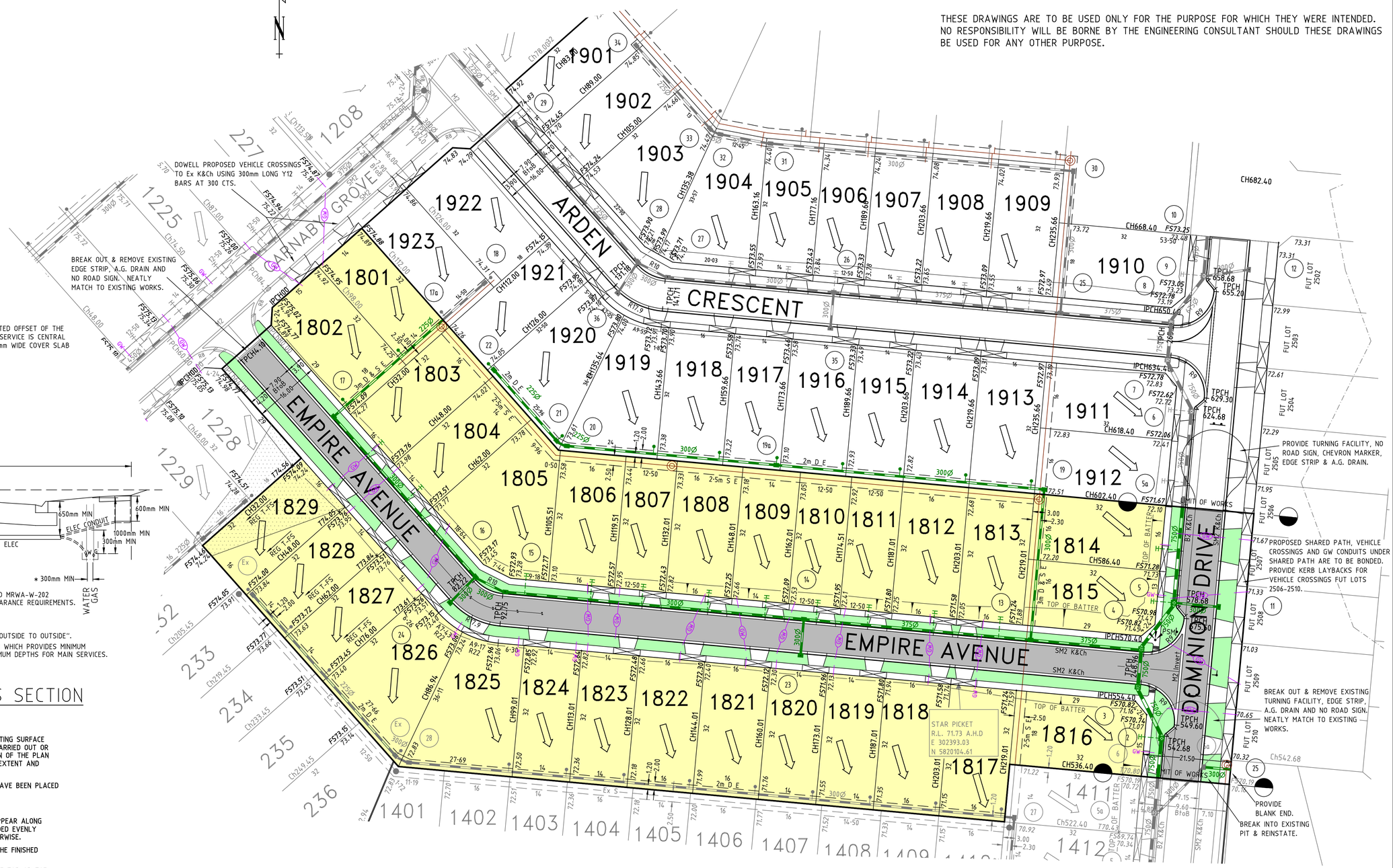
WHERE THE WORDS 'REG TO ..' OR '1 IN 150 TO ..' APPEAR ALONG AN ALLOTMENT BOUNDARY, THAT LOT IS TO BE GRADED EVENLY BETWEEN THE LEVELS INDICATED UNLESS NOTED OTHERWISE.

'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.



LAYOUT PLAN

0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE

AS CONSTRUCTED

REV.	REVISION	DATE	APPD.
C7	AS CONSTRUCTED ISSUE	10-4-19	J.B.
C6	MINOR AMENDMENTS, XING LOT 1825 RELOCATED	2-7-18	J.B.
C5	LOT 1824 VEHICLE CROSSING RELOCATED	16-5-18	J.B.
C4	MINOR AMENDMENTS	8-2-18	J.B.
C3	COUNCIL REQUIREMENTS	5-2-18	J.B.
C1	COUNCIL REQUIREMENTS	15-1-18	J.B.
P1	PRELIMINIARY ISSUE	20-10-17	L.P.

LEGEND

GAS MAIN	HOUSE DRAIN PROPOSED/EX.	CH89.27 FS74.50	CHAINAGES AND TANGENT POINTS
WATER MAIN	PROPERTY INLET, DRAINAGE PITS	20.06	EXISTING SURFACE LEVEL
RECYCLED WATER MAIN	EX./FUT. INLET, DRAINAGE PITS	FS21.35	FINISHED LEVEL (TITLE BOUNDARY)
ELECTRICITY CABLE	DRAINAGE PIT STAGE/NUMBER	T21.35	DESIGN TOP/TOE OF BATTER LEVEL
TELECOMMUNICATIONS CABLE	SEWER LINE AND STRUCTURES	P21.350	DESIGN PAVEMENT LEVEL
WATER CONDUIT	EX.SEWER LINE AND STRUCTURES	19.20	PROPOSED CONTOUR LINE & LEVEL
GAS CONDUIT	KERB AND CHANNEL	19.20	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	FS21.35	CATCH DRAIN AND INVERT LEVEL
T.B.M. / P.S.M.	STREET SIGN		EX. BATTER / PROP. BATTER

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DESIGNED:	J.BEVERIDGE
CHECKED:	L.PAPAZOIS
AUTHORISED:	T.DAVOLI
DATE:	20-10-2017

AUTHORITY: CITY OF MELTON

PROJECT: MODEINA STAGE 18

DETAILS: LAYOUT PLAN & SERVICES OFFSET TABLE

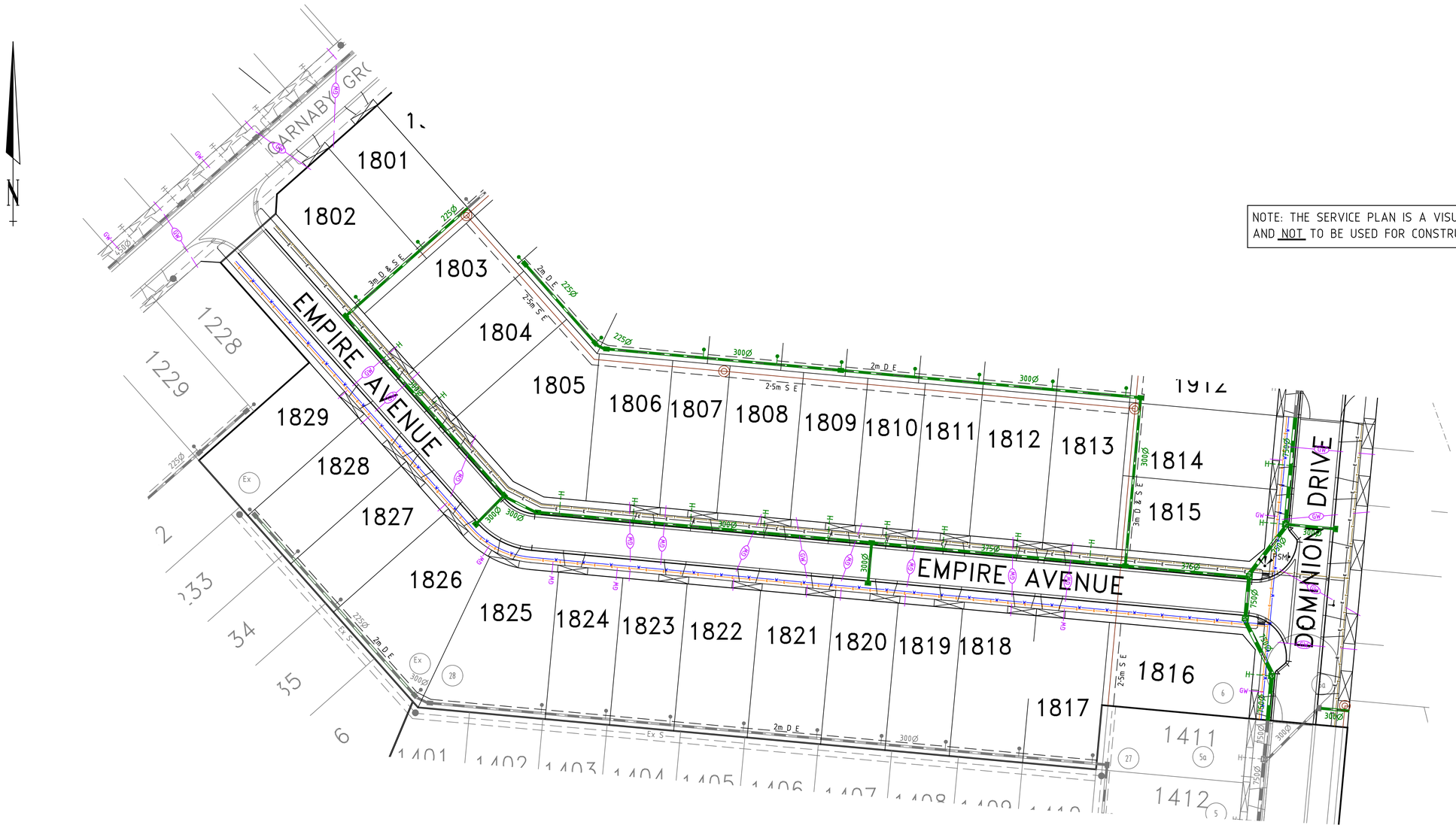
SCALE 1:500

LEVEL DATUM AHD

SHEET 2 OF 13

DRAWING No. 1275/NE/18/2

REV. C7



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

AS CONSTRUCTED

REV.	REVISION	DATE	APPD.
C4	AS CONSTRUCTED ISSUE	10-4-19	J.B.
C3	1825 CROSSING AND FUT LOT LAYOUT CHANGES	13-7-18	J.B.
C2	VEHICLE CROSSING LOT 1824 RELOCATED	16-5-18	J.B.
C1	COUNCIL REQUIREMENTS	15-01-18	J.B.
P1	PRELIMINARY ISSUE	20-10-17	L.P.

LEGEND

GAS MAIN	HOUSE DRAIN PROPOSED/EX.	GHD8.37 17/5/16	CHAINAGES AND TANGENT PTS
WATER MAIN	PROPERTY INLET, DRAINAGE PITS	20.06	EXISTING SURFACE LEVEL
RECYCLED WATER MAIN	EX./FUT. INLET, DRAINAGE PITS	F521.35	FINISHED LEVEL (TITLE BOUNDARY)
ELECTRICITY CABLE	DRAINAGE PIT STAGE/NUMBER	T21.35	DESIGN TOP/TOE OF BATTER LEVEL
TELECOMMUNICATIONS CABLE	SEWER LINE AND STRUCTURES	F21.350	DESIGN PAVEMENT LEVEL
WATER CONDUIT	EX.SEWER LINE AND STRUCTURES	19.20	PROPOSED CONTOUR LINE & LEVEL
GAS CONDUIT	KERB AND CHANNEL	19.20	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	CD2.36	CATCH DRAIN AND INVERT LEVEL
T.B.M. ▲ P.S.M.	STREET SIGN		EX. BATTER / PROP. BATTER

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AUTHORITY: **CITY OF MELTON**

PROJECT: **MODEINA STAGE 18**

DETAILS: **SERVICES PLAN**

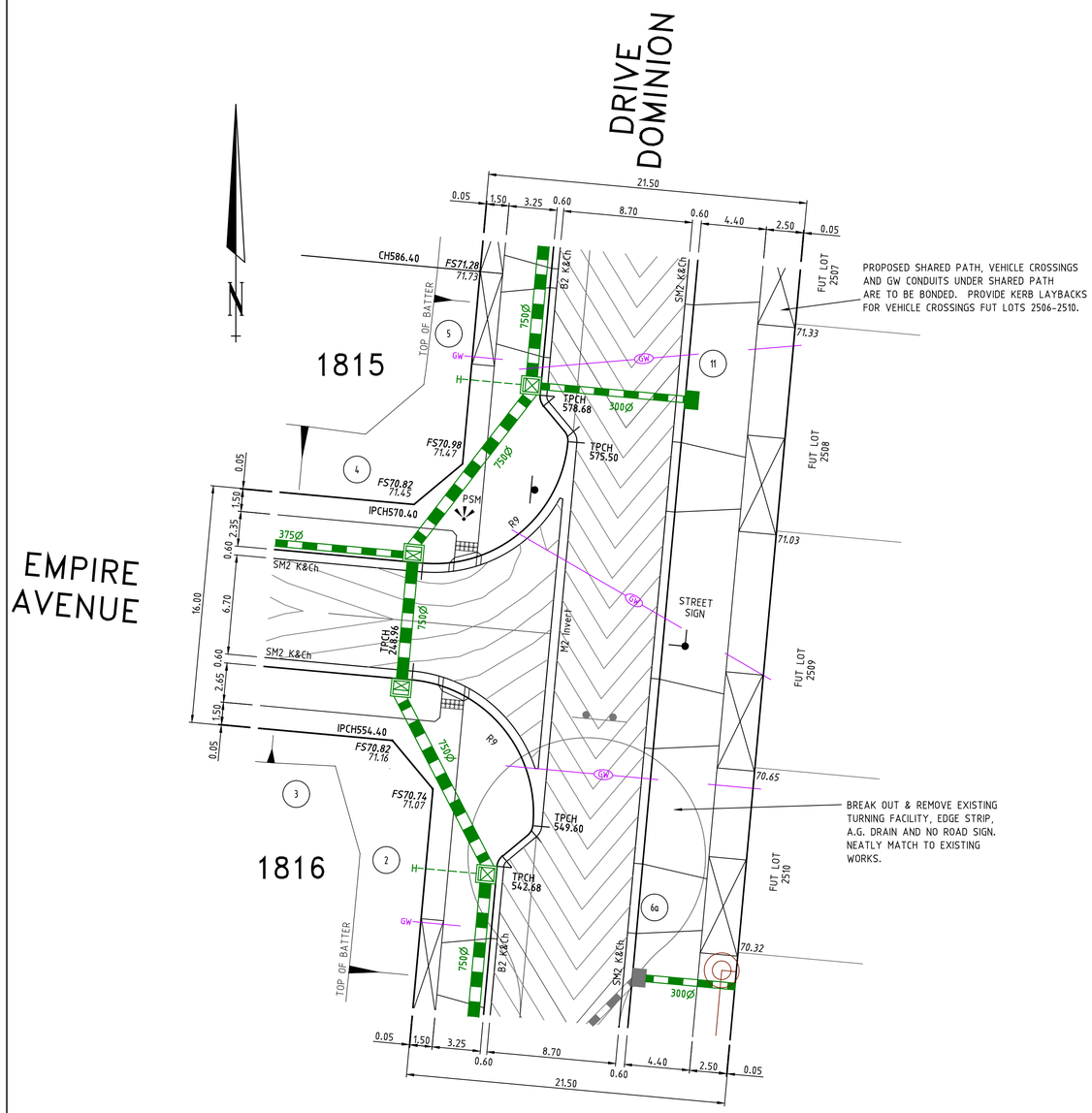
SCALE 1:500

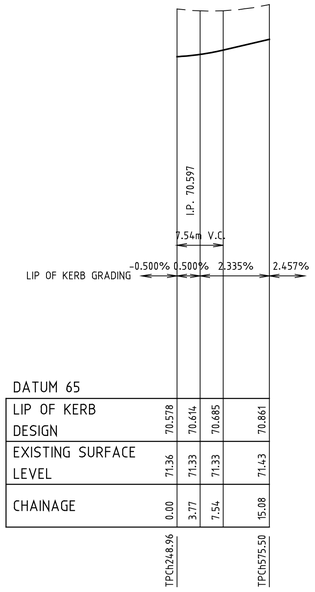
LEVEL DATUM AHD

SHEET 3 **OF** 13

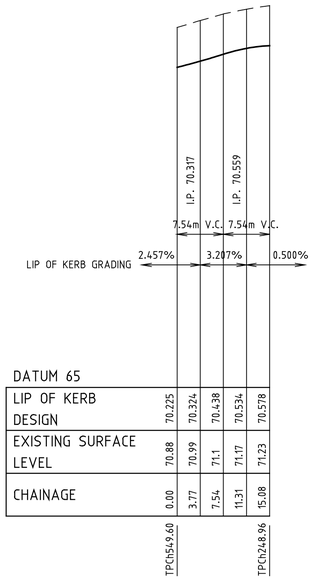
DRAWING No. **1275/NE/18/03**

REV. C4

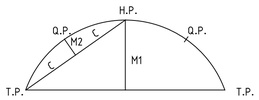




NORTH LIP OF KERB LONGITUDINAL SECTION



SOUTH LIP OF KERB LONGITUDINAL SECTION



SET OUT DETAIL

N.T.S.

INTERSECTION DETAIL

0 4 8 12 16

SCALE 1:200 AT A1 SIZE

AS CONSTRUCTED

REV.	REVISION	DATE	APPD.
-	-	-	-
C3	AS CONSTRUCTED ISSUE	10-4-19	J.B.
C2	FUTURE LAYOUT CHANGES	13-7-18	J.B.
C1	COUNCIL REQUIREMENTS	15-01-18	J.B.
P1	PRELIMINARY ISSUE	20-10-17	L.P.

LEGEND

GAS MAIN	HOUSE DRAIN PROPOSED/EX.	CHAINAGE 27 TPCh 248.96	CHAINAGES AND TANGENT POINTS
WATER MAIN	PROPERTY INLET, DRAINAGE PITS	20.06	EXISTING SURFACE LEVEL
RECYCLED WATER MAIN	EX./FUT. INLET, DRAINAGE PITS	F521.35	FINISHED LEVEL (TITLE BOUNDARY)
ELECTRICITY CABLE	DRAINAGE PIT STAGE/NUMBER	T21.35	DESIGN TOP/TOE OF BATTER LEVEL
TELECOMMUNICATIONS CABLE	SEWER LINE AND STRUCTURES	P21.350	DESIGN PAVEMENT LEVEL
WATER CONDUIT	EX.SEWER LINE AND STRUCTURES	19.28	PROPOSED CONTOUR LINE & LEVEL
GAS CONDUIT	KERB AND CHANNEL	19.20	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.	STREET SIGN		EX. BATTER / PROP. BATTER

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PROJECT: **MODEINA STAGE 18**

DETAILS: **INTERSECTION DETAILS**

SCALE 1:200

LEVEL DATUM AHD

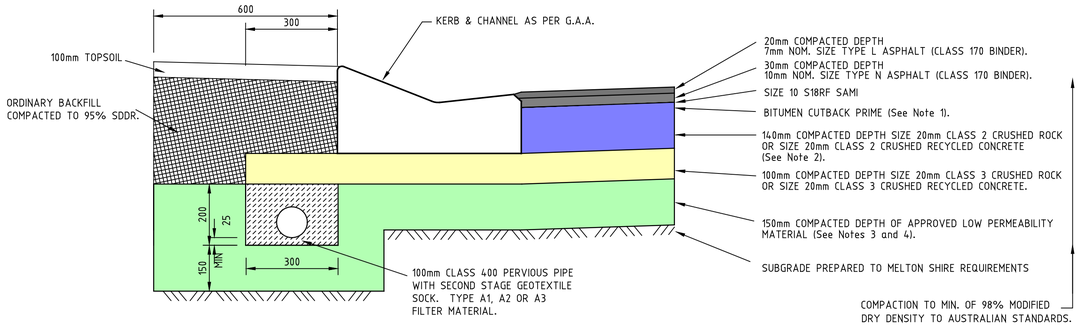
SHEET 4 **OF** 13

DRAWING No. **1275/NE/18/4**

REV. C3

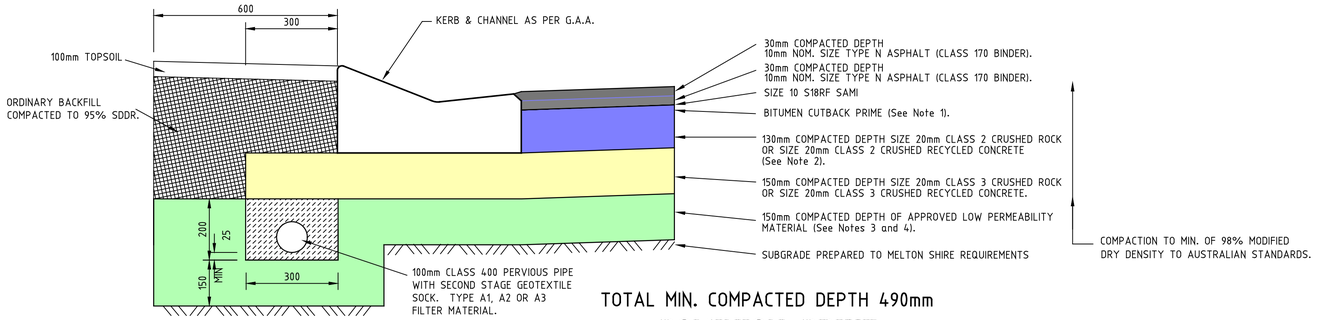
GENERAL NOTES

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 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 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 CIT Y 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 EDCM 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 EDCM 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.



TOTAL MIN. COMPACTED DEPTH 440mm

EMPIRE AVENUE



TOTAL MIN. COMPACTED DEPTH 490mm

DOMINION DRIVE

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. BASE COURSE THICKNESS WILL HAVE TO BE ADJUSTED AS NECESSARY TO ACCOMMODATE SAMI THICKNESS.

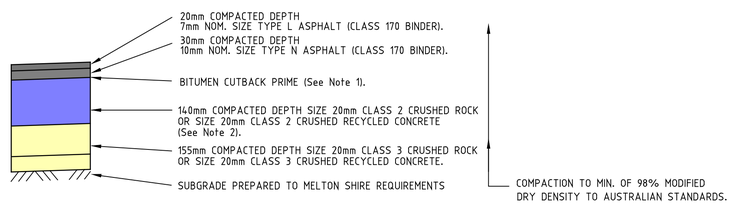
Note 3. MAXIMUM PERMEABILITY $5x10^{-9}$m/s, MINIMUM SOAKED CBR 8%, MAX CBR SWELL 1%. LAYER THICKNESS SHOULD BE RAISED WHERE ROCK ENCOUNTERED ABOVE UNDERSIDE OF LAYER.

Note 4. THIS LAYER CAN BE THICKENED IF LOCALISED SUBGRADE IMPROVEMENT IS REQUIRED, I.E. VIA REMOVAL AND REPLACEMENT; AND

Note 5. SUB BASE CAN BE USED AS A LEVELLING LAYER OVER BASALT ONLY SUBGRADES IF REQUIRED.

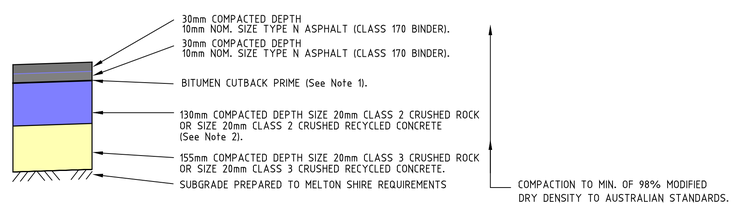
PAVEMENT COMPOSITIONS

NOT TO SCALE DESIGN CBR=3



EMPIRE AVENUE

TOTAL MIN. COMPACTED DEPTH 345mm



DOMINION DRIVE

TOTAL MIN. COMPACTED DEPTH 345mm

ALTERNATE PAVEMENT COMPOSITION

TO BE USED ONLY AT THE DIRECTION OF COUNCIL'S WORKS SUPERVISOR

DESIGN CBR=10

AS CONSTRUCTED

REV.	REVISION	DATE	APPD.
-	-	-	-
-	-	-	-
C3	AS CONSTRUCTED ISSUE	10-4-19	J.B.
C1	COUNCIL REQUIREMENTS	15-01-18	J.B.
P1	PRELIMINARY ISSUE	20-10-2017	L.P.

LEGEND

G GAS MAIN	H HOUSE DRAIN PROPOSED/EX.	206.00 / 17/11/16	CHAINAGES AND TANGENT POINTS
W WATER MAIN	PROPERTY INLET, DRAINAGE PITS	20.06	EXISTING SURFACE LEVEL
R RECYCLED WATER MAIN	EX./FUT. INLET, DRAINAGE PITS	F521.35	FINISHED LEVEL (TITLE BOUNDARY)
E ELECTRICITY CABLE	DRAINAGE PIT STAGE/NUMBER	T21.35	DESIGN TOP/TOE OF BATTER LEVEL
T TELECOMMUNICATIONS CABLE	S SEWER LINE AND STRUCTURES	P21.350	DESIGN PAVEMENT LEVEL
W WATER CONDUIT	EX.SEWER LINE AND STRUCTURES	19.20	PROPOSED CONTOUR LINE & LEVEL
G GAS CONDUIT	KERB AND CHANNEL	19.20	EXISTING CONTOUR LINE & LEVEL
R RECYCLED WATER CONDUIT	EX./FUT. KERB AND CHANNEL		FILLING IN EXCESS OF 200mm
CSD COMBINED SERVICES CONDUIT	KERB TO BE REMOVED OFFSITE	CD.01	CATCH DRAIN AND INVERT LEVEL
T.B.M. ▲ P.S.M.	STREET SIGN		EX. BATTER / PROP. BATTER

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DRAWN:	J.BEVERIDGE
DESIGNED:	J.BEVERIDGE
CHECKED:	L.PAPAZOIS
AUTHORISED:	T.DAVOLI
DATE:	20-10-2017

AUTHORITY: **CITY OF MELTON**

PROJECT: **MODEINA STAGE 18**

DETAILS: **GENERAL NOTES & PAVEMENT COMPOSITIONS**

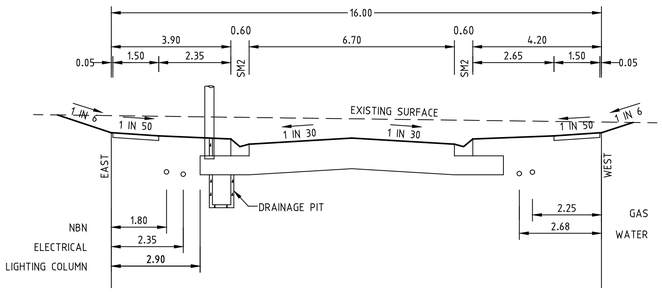
SCALE NOT TO SCALE

LEVEL DATUM AHD

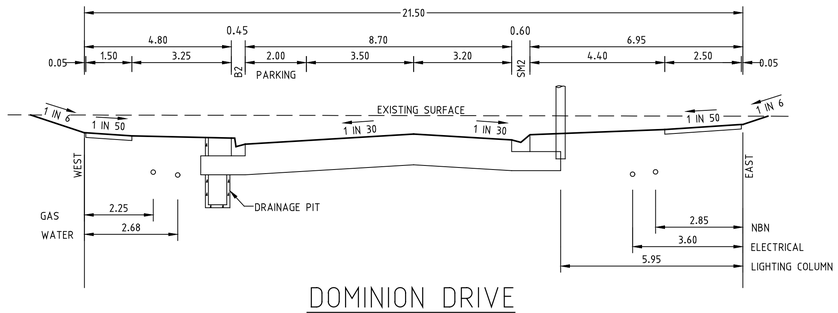
SHEET 5 **OF** 13

DRAWING No. 1275/NE/18/05

REV. C2



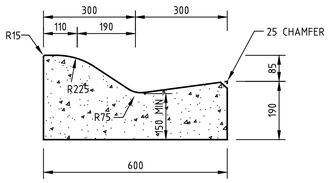
EMPIRE AVENUE



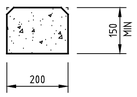
DOMINION DRIVE

TYPICAL SECTIONS

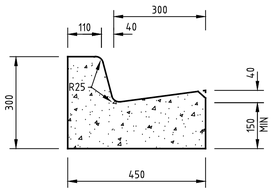
NOT TO SCALE



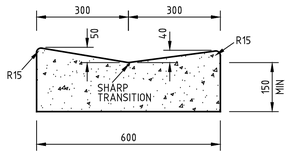
SM2 K&Ch PROFILE



EDGE STRIP PROFILE



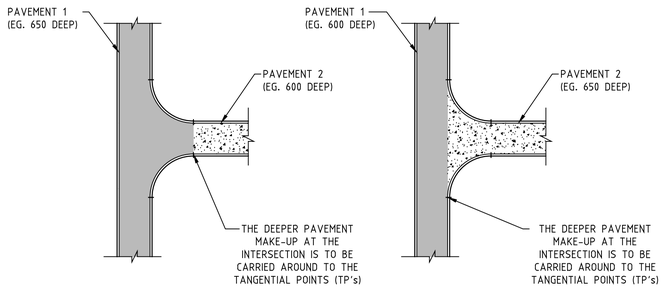
B2 KERB PROFILE



M2

KERB DETAILS

N.T.S.



TYPICAL PAVEMENT EXTENT ACROSS INTERSECTIONS

NOT TO SCALE

AS CONSTRUCTED

REV.	REVISION	DATE	APPD.
-	-	-	-
-	-	-	-
C2	AS CONSTRUCTED ISSUE	10-4-19	J.B.
C1	COUNCIL REQUIREMENTS	15-01-18	J.B.
P1	PRELIMINARY ISSUE	20-10-2017	L.P.

LEGEND

G	GAS MAIN	HOUSE DRAIN PROPOSED/EX.	CHAINAGES AND TANGENT POINTS
W	WATER MAIN	PROPERTY INLET, DRAINAGE PITS	EXISTING SURFACE LEVEL
R	RECYCLED WATER MAIN	EX./FUT. INLET, DRAINAGE PITS	FINISHED LEVEL (TITLE BOUNDARY)
E	ELECTRICITY CABLE	DRAINAGE PIT STAGE/NUMBER	DESIGN TOP/TOE OF BATTER LEVEL
T	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
	T.B.M. / P.S.M.	STREET SIGN	EX. BATTER / PROP. BATTER

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Consulting Group

DRAWN:	J.BEVERIDGE
DESIGNED:	J.BEVERIDGE
CHECKED:	L.PAPAZOIS
AUTHORISED:	T.DAVOLI
DATE:	20-10-2017

AUTHORITY: **CITY OF MELTON**

PROJECT: **MODEINA STAGE 18**

DETAILS: **TYPICAL SECTIONS & MISCELLANEOUS DETAILS**

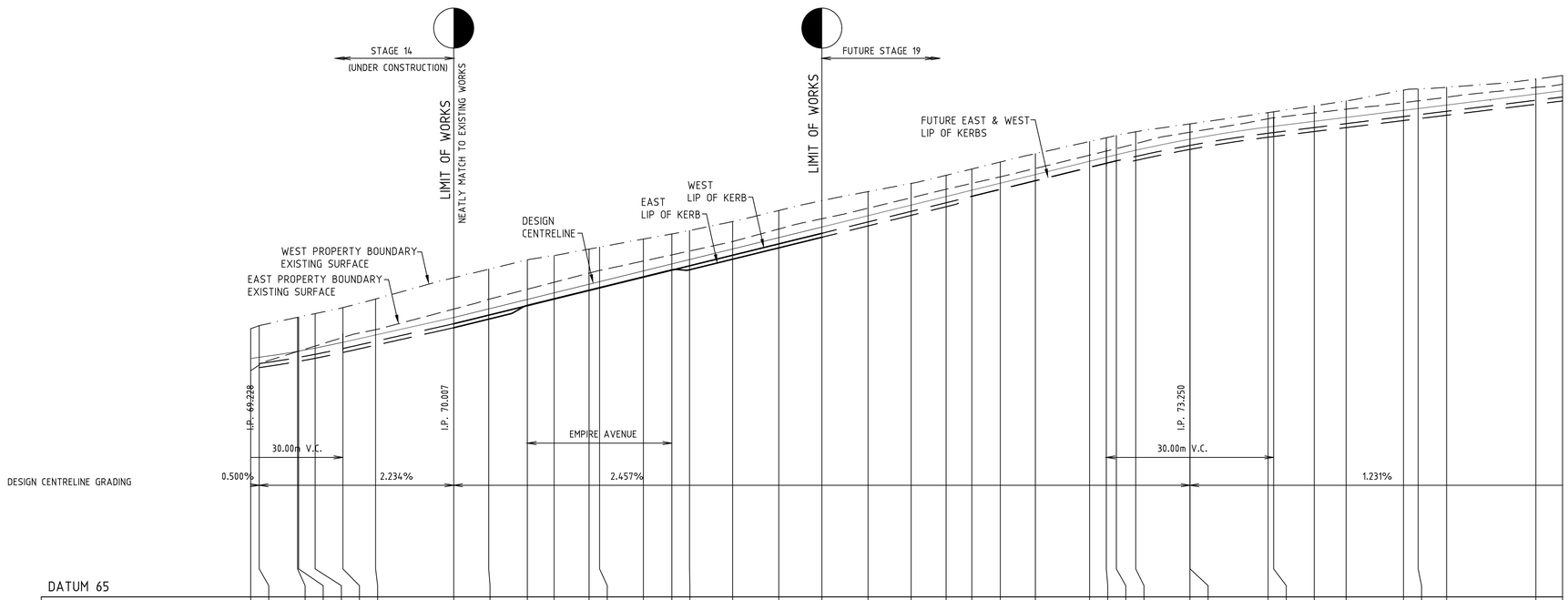
SCALE NOT TO SCALE

LEVEL DATUM AHD

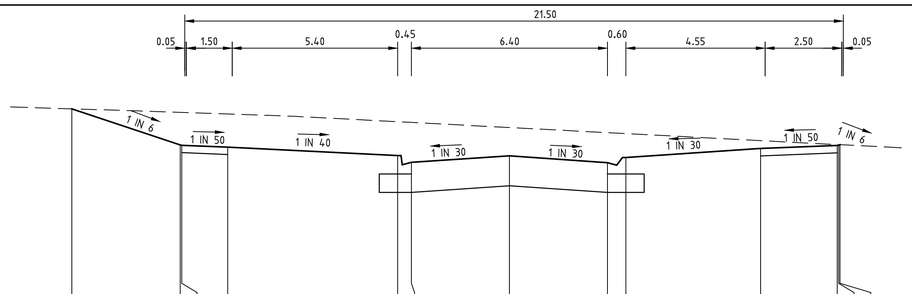
SHEET 6 **OF** 13

DRAWING No. **1275/NE/18/06**

REV. C2


STAGE 14
(UNDER CONSTRUCTION)
LIMIT OF WORKS
NEATLY MATCH TO EXISTING WORKS
FUTURE STAGE 19
LIMIT OF WORKS
FUTURE EAST & WEST LIP OF KERBS
WEST LIP OF KERB
EAST LIP OF KERB
DESIGN CENTRELINE
WEST PROPERTY BOUNDARY EXISTING SURFACE
EAST PROPERTY BOUNDARY EXISTING SURFACE
I.P. 69.228
I.P. 70.007
I.P. 73.250
EMPIRE AVENUE
30.00m V.C.
30.00m V.C.
DESIGN CENTRELINE GRADING
0.500%
2.234%
2.457%
1.231%

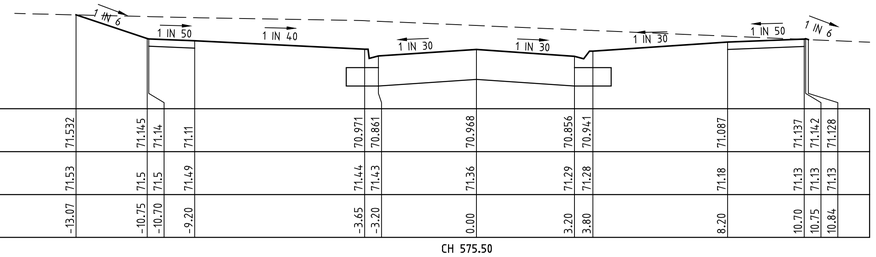
| DATUM 65 | | |



DATUM68

DESIGN SURFACE HEIGHT	71.098	70.508	70.503	70.473	70.335	70.225	70.331	70.219	70.304	70.451	70.501	70.506	70.513
EXISTING SURFACE HEIGHT	71.1	71.04	71.04	71.01	70.89	70.88	70.79	70.71	70.69	70.58	70.51	70.51	70.51
OFFSETS	-14.29	-10.75	-10.70	-9.20	-3.65	-3.20	0.00	3.20	3.80	8.20	10.70	10.75	10.79

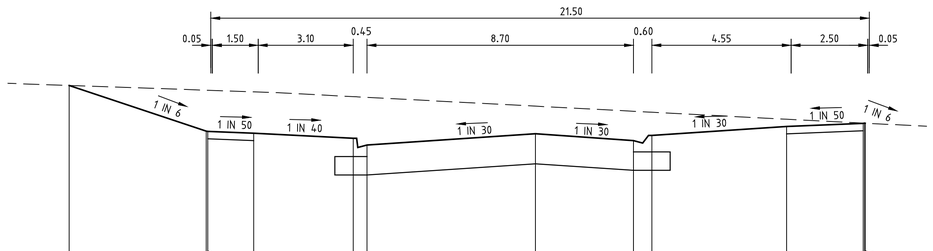
CH 549.60



DATUM70

DESIGN SURFACE HEIGHT	71.532	71.145	71.14	71.11	70.971	70.861	70.968	70.856	70.941	71.087	71.137	71.142	71.128
EXISTING SURFACE HEIGHT	71.53	71.5	71.5	71.49	71.44	71.43	71.36	71.29	71.28	71.18	71.13	71.13	71.13
OFFSETS	-13.07	-10.75	-10.70	-9.20	-3.65	-3.20	0.00	3.20	3.80	8.20	10.70	10.75	10.84

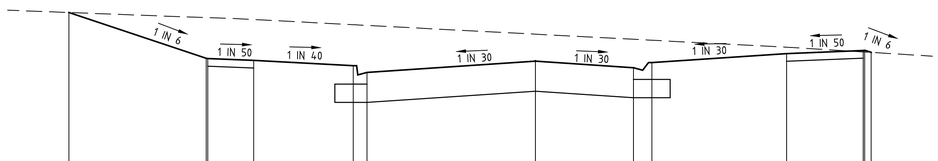
CH 575.50



DATUM68

DESIGN SURFACE HEIGHT	70.95	70.204	70.199	70.169	70.088	69.978	70.161	70.049	70.134	70.281	70.331	70.336	70.333
EXISTING SURFACE HEIGHT	70.95	70.87	70.87	70.85	70.77	70.76	70.61	70.53	70.51	70.4	70.33	70.33	70.33
OFFSETS	-15.22	-10.75	-10.70	-9.20	-5.95	-5.50	0.00	3.20	3.80	8.20	10.70	10.75	10.77

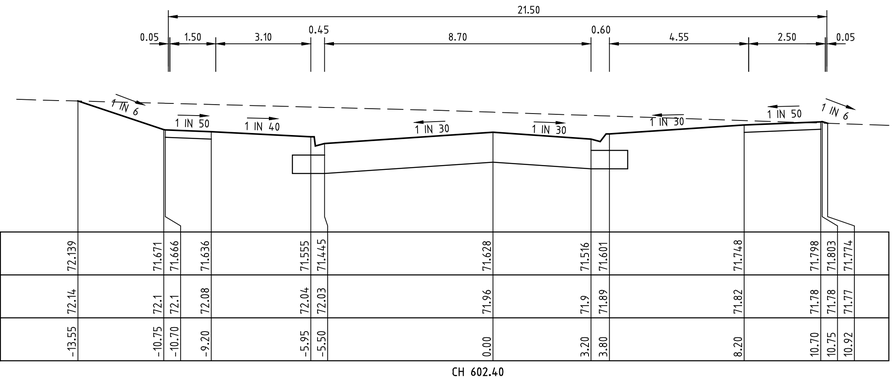
CH 542.68



DATUM 68

DESIGN SURFACE HEIGHT	70.802	70.055	70.05	70.02	69.934	69.824	70.008	69.901	69.986	70.131	70.181	70.186	70.152
EXISTING SURFACE HEIGHT	70.8	70.72	70.72	70.69	70.6	70.59	70.45	70.37	70.35	70.24	70.16	70.16	70.15
OFFSETS	-15.23	-10.75	-10.70	-9.20	-5.95	-5.50	0.00	3.20	3.80	8.20	10.70	10.75	10.96

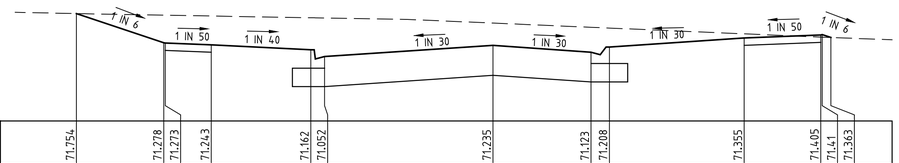
CH 536.40



DATUM70

DESIGN SURFACE HEIGHT	72.139	71.671	71.666	71.636	71.555	71.445	71.628	71.516	71.601	71.748	71.798	71.803	71.774
EXISTING SURFACE HEIGHT	72.14	72.1	72.1	72.08	72.04	72.03	71.96	71.9	71.89	71.82	71.78	71.78	71.77
OFFSETS	-13.55	-10.75	-10.70	-9.20	-5.95	-5.50	0.00	3.20	3.80	8.20	10.70	10.75	10.92

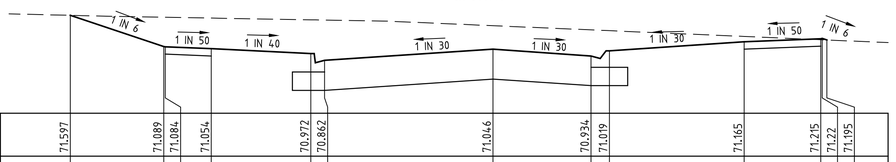
CH 602.40



DATUM70

DESIGN SURFACE HEIGHT	71.754	71.278	71.273	71.243	71.162	71.052	71.235	71.123	71.208	71.355	71.405	71.41	71.363
EXISTING SURFACE HEIGHT	71.75	71.73	71.73	71.71	71.69	71.68	71.6	71.53	71.52	71.42	71.37	71.37	71.36
OFFSETS	-13.60	-10.75	-10.70	-9.20	-5.95	-5.50	0.00	3.20	3.80	8.20	10.70	10.75	11.03

CH 586.40



DATUM70

DESIGN SURFACE HEIGHT	71.597	71.089	71.084	71.054	70.972	70.862	71.046	70.934	71.019	71.165	71.215	71.22	71.195
EXISTING SURFACE HEIGHT	71.6	71.57	71.57	71.55	71.52	71.52	71.43	71.36	71.35	71.25	71.2	71.2	71.2
OFFSETS	-13.80	-10.75	-10.70	-9.20	-5.95	-5.50	0.00	3.20	3.80	8.20	10.70	10.75	10.90

CH 578.68

ROAD CROSS SECTIONS DOMINION DRIVE

SCALES HOR 1 : 100 VER 1 : 50

HORIZ 0 1 2 4 6 8

VERT 0 0.5 1 2 3 4

SCALE 1:100 AT A1 SIZE

AS CONSTRUCTED

REV.	REVISION	DATE	APPD.
-	-	-	-
-	-	-	-
C2	AS CONSTRUCTED ISSUE	10-4-19	J.B.
C1	COUNCIL REQUIREMENTS	15-01-18	J.B.
P1	PRELIMINARY ISSUE	20-10-17	L.P.

LEGEND

G	GAS MAIN	H	HOUSE DRAIN PROPOSED/EX.
W	WATER MAIN		PROPERTY INLET, DRAINAGE PITS
R	RECYCLED WATER MAIN		EX./FUT. INLET, DRAINAGE PITS
E	ELECTRICITY CABLE		DRAINAGE PIT STAGE/NUMBER
T	TELECOMMUNICATIONS CABLE	S	SEWER LINE AND STRUCTURES
	WATER CONDUIT		EX.SEWER LINE AND STRUCTURES
	GAS CONDUIT		KERB AND CHANNEL
	RECYCLED WATER CONDUIT		EX./FUT. KERB AND CHANNEL
	COMBINED SERVICES CONDUIT		KERB TO BE REMOVED OFFSITE
	T.B.M. ▲ P.S.M.		STREET SIGN

CHAINAGE 37 RL 24.56	CHAINAGES AND TANGENT POINTS
20.06	EXISTING SURFACE LEVEL
F521.35	FINISHED LEVEL (TITLE BOUNDARY)
T21.35	DESIGN TOP/TOE OF BATTER LEVEL
F21.350	DESIGN PAVEMENT LEVEL
19.20	PROPOSED CONTOUR LINE & LEVEL
19.20	EXISTING CONTOUR LINE & LEVEL
	FILLING IN EXCESS OF 200mm
CATCH DRAIN INVERT LEVEL	CATCH DRAIN AND INVERT LEVEL
	EX. BATTER / PROP. BATTER

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Consulting Group

DRAWN:	J.BEVERIDGE
DESIGNED:	J.BEVERIDGE
CHECKED:	L.PAPAZOIS
AUTHORISED:	T.DAVOLI
DATE:	20-10-2017

AUTHORITY: CITY OF MELTON

PROJECT: MODEINA STAGE 18

DETAILS: DOMINION DRIVE - CROSS SECTIONS

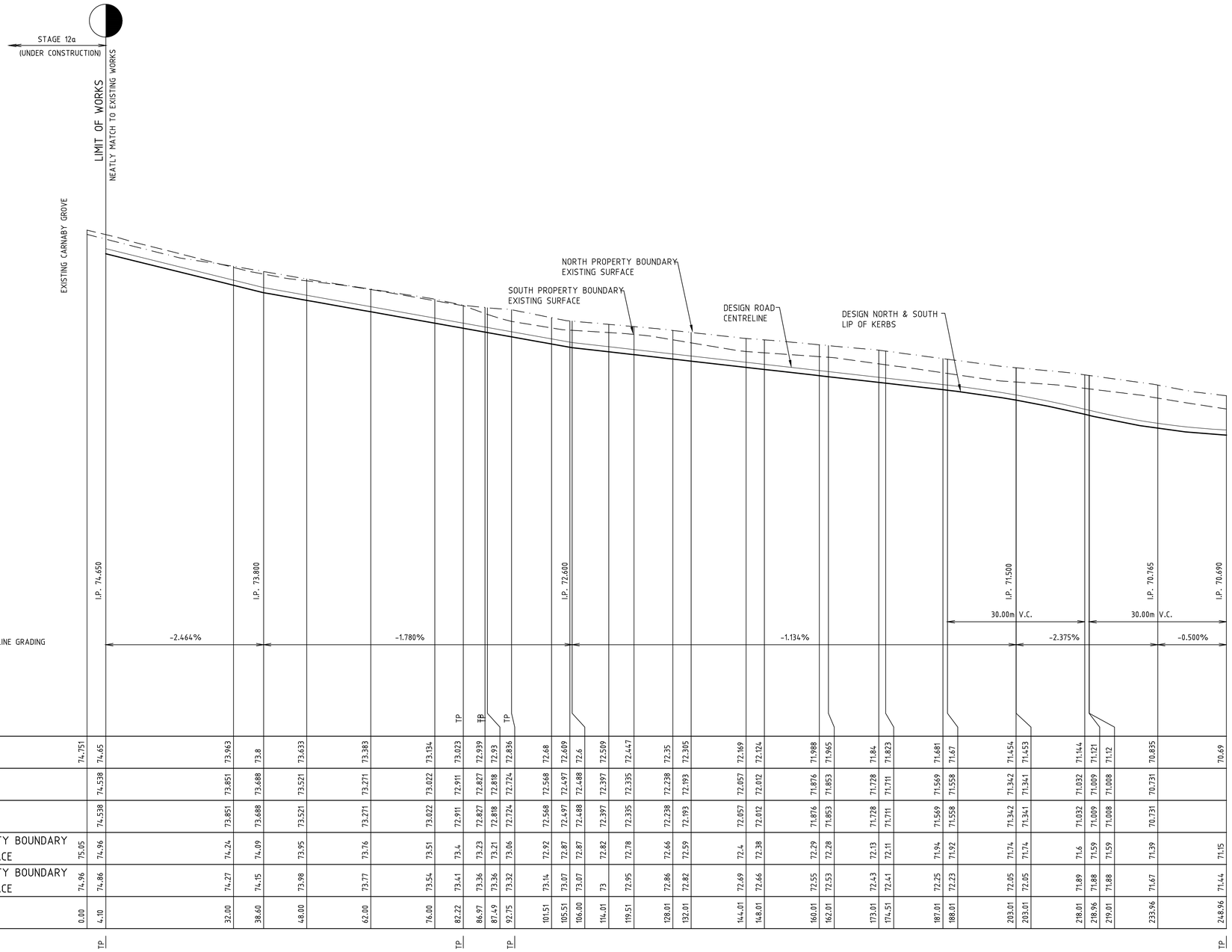
SCALE AS SHOWN

LEVEL DATUM AHD

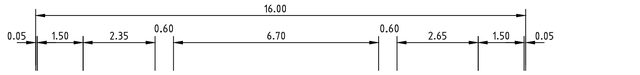
SHEET 8 OF 13

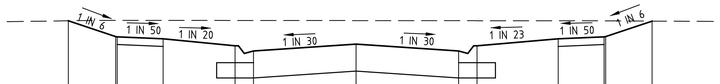
DRAWING No. 1275/NE/18/08

REV. C2


STAGE 12a
(UNDER CONSTRUCTION)
LIMIT OF WORKS
NEATLY MATCH TO EXISTING WORKS
EXISTING CARNABY GROVE
NORTH PROPERTY BOUNDARY EXISTING SURFACE
SOUTH PROPERTY BOUNDARY EXISTING SURFACE
DESIGN ROAD CENTRELINE
DESIGN NORTH & SOUTH LIP OF KERBS
I.P. 74.650
I.P. 73.800
I.P. 72.600
I.P. 71.500
I.P. 70.765
I.P. 70.690
30.00m V.C.
30.00m V.C.
DESIGN CENTRELINE GRADING
-2.464%
-1.780%
-1.134%
-2.375%
-0.500%
DATUM 64
TP
TP
TP
TP
TP

| | | |

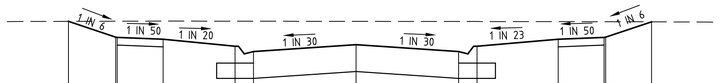




DATUM 72

DESIGN SURFACE HEIGHT	73.404	73.146	73.141	73.111	72.996	72.911	73.023	72.911	72.996	73.111	73.141	73.146	73.399	
EXISTING SURFACE HEIGHT	73.4	73.41	73.41	73.41	73.41	73.41	73.41	73.41	73.41	73.4	73.4	73.4	73.4	
OFFSETS	-9.39	-7.85	-7.80	-6.30	-3.95	-3.35	0.00	3.35	3.95	6.60	8.10	8.15	9.67	

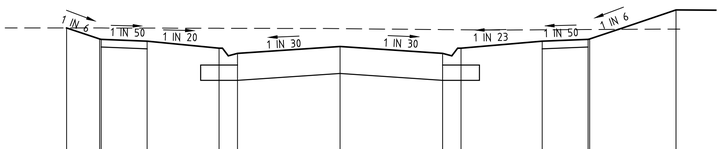
CH 82.22



DATUM 72

DESIGN SURFACE HEIGHT	73.763	73.506	73.501	73.471	73.356	73.271	73.383	73.271	73.356	73.471	73.501	73.506	73.756	
EXISTING SURFACE HEIGHT	73.76	73.77	73.77	73.77	73.77	73.77	73.76	73.76	73.76	73.76	73.76	73.76	73.76	
OFFSETS	-9.39	-7.85	-7.80	-6.30	-3.95	-3.35	0.00	3.35	3.95	6.60	8.10	8.15	9.65	

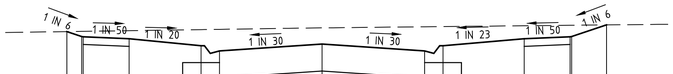
CH 62.00



DATUM 72

DESIGN SURFACE HEIGHT	74.266	74.086	74.081	74.051	73.936	73.851	73.963	73.851	73.936	74.051	74.081	74.086	74.56	
EXISTING SURFACE HEIGHT	74.27	74.27	74.27	74.26	74.26	74.26	74.25	74.24	74.24	74.24	74.24	74.24	74.24	
OFFSETS	-8.93	-7.85	-7.80	-6.30	-3.95	-3.35	0.00	3.35	3.95	6.60	8.10	8.15	10.97	

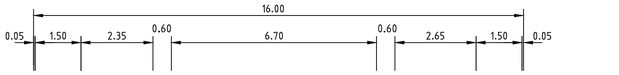
CH 32.00

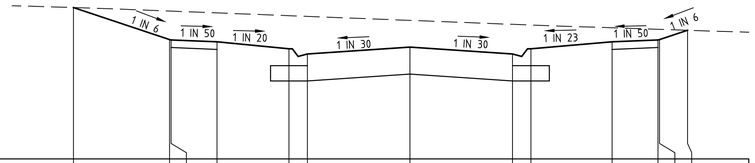


DATUM 72

DESIGN SURFACE HEIGHT	74.853	74.773	74.768	74.738	74.623	74.538	74.65	74.538	74.623	74.738	74.768	74.773	74.963	
EXISTING SURFACE HEIGHT	74.85	74.86	74.86	74.87	74.89	74.89	74.91	74.93	74.94	74.95	74.96	74.96	74.96	
OFFSETS	-8.33	-7.85	-7.80	-6.30	-3.95	-3.35	0.00	3.35	3.95	6.60	8.10	8.15	9.29	

CH 4.10

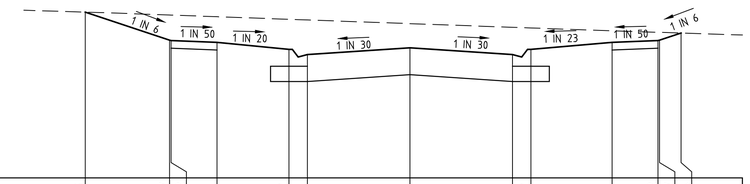




DATUM70

DESIGN SURFACE HEIGHT	72.469	71.946	71.941	71.911	71.796	71.711	71.823	71.711	71.796	71.911	71.941	71.946	72.098	
EXISTING SURFACE HEIGHT	72.47	72.41	72.41	72.38	72.34	72.33	72.26	72.2	72.18	72.14	72.11	72.11	72.1	
OFFSETS	-10.99	-7.85	-7.80	-6.30	-3.95	-3.35	0.00	3.35	3.95	6.60	8.10	8.15	9.06	

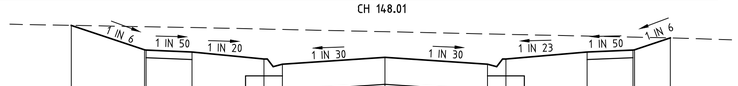
CH 174.51



DATUM70

DESIGN SURFACE HEIGHT	72.705	72.247	72.242	72.212	72.097	72.012	72.124	72.012	72.097	72.212	72.242	72.247	72.364	
EXISTING SURFACE HEIGHT	72.71	72.66	72.66	72.63	72.59	72.58	72.52	72.46	72.45	72.4	72.38	72.38	72.36	
OFFSETS	-10.60	-7.85	-7.80	-6.30	-3.95	-3.35	0.00	3.35	3.95	6.60	8.10	8.15	8.85	

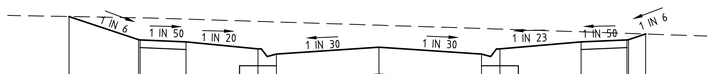
CH 148.01



DATUM70

DESIGN SURFACE HEIGHT	72.869	72.57	72.565	72.535	72.42	72.335	72.447	72.335	72.42	72.535	72.565	72.57	72.764	
EXISTING SURFACE HEIGHT	72.97	72.95	72.95	72.93	72.91	72.9	72.87	72.83	72.82	72.79	72.78	72.78	72.76	
OFFSETS	-10.24	-7.85	-7.80	-6.30	-3.95	-3.35	0.00	3.35	3.95	6.60	8.10	8.15	9.32	

CH 119.51



DATUM 72

DESIGN SURFACE HEIGHT	73.337	72.959	72.954	72.924	72.809	72.724	72.836	72.724	72.809	72.924	72.954	72.959	73.052	
EXISTING SURFACE HEIGHT	73.34	73.32	73.32	73.29	73.26	73.25	73.2	73.14	73.13	73.09	73.06	73.06	73.05	
OFFSETS	-10.12	-7.85	-7.80	-6.30	-3.95	-3.35	0.00	3.35	3.95	6.60	8.10	8.15	8.71	

CH 92.75

ROAD CROSS SECTIONS EMPIRE AVENUE - SHEET 1 of 2

SCALES HOR 1 : 100 VER 1 : 50

HORIZ 0 1 2 4 6 8
VERT 0 0.5 1 2 3 4
SCALE 1:100 AT A1 SIZE

AS CONSTRUCTED

REV.	REVISION	DATE	APPD.
-	-	-	-
-	-	-	-
C2	AS CONSTRUCTED ISSUE	10-4-19	J.B.
C1	COUNCIL REQUIREMENTS	15-01-18	J.B.
P1	PRELIMINARY ISSUE	20-10-17	L.P.

LEGEND

GAS MAIN	HOUSE DRAIN PROPOSED/EX.	CHAINAGE 27 TRUE 27	CHAINAGES AND TANGENT POINTS
WATER MAIN	PROPERTY INLET, DRAINAGE PITS	20.06	EXISTING SURFACE LEVEL
RECYCLED WATER MAIN	EX./FUT. INLET, DRAINAGE PITS	FS21.35	FINISHED LEVEL (TITLE BOUNDARY)
ELECTRICITY CABLE	DRAINAGE PIT STAGE/NUMBER	T21.35	DESIGN TOP/TOE OF BATTER LEVEL
TELECOMMUNICATIONS CABLE	SEWER LINE AND STRUCTURES	P21.350	DESIGN PAVEMENT LEVEL
WATER CONDUIT	EX.SEWER LINE AND STRUCTURES	19.20	PROPOSED CONTOUR LINE & LEVEL
GAS CONDUIT	KERB AND CHANNEL	19.20	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.	STREET SIGN	EX. BATTER / PROP. BATTER

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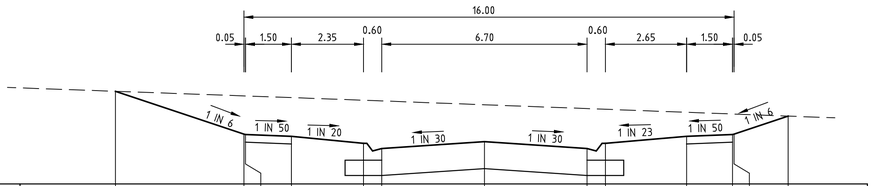
CHECKED:	L.PAPAZOIS
AUTHORISED:	T.DAVOLI
DATE:	20-10-2017

AUTHORITY: **CITY OF MELTON**

PROJECT: **MODEINA STAGE 18**

DETAILS: **EMPIRE AVENUE - CROSS SECTIONS - SHEET 1 OF 2**

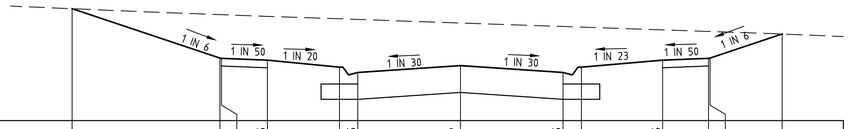
SCALE 1:500
LEVEL DATUM AHD
SHEET 10 **OF** 13
DRAWING No. **1275/18/NE/10**
REV. C2



DATUM70

DESIGN SURFACE HEIGHT	71.513	70.813	70.808	70.778	70.663	70.578	70.69	70.578	70.663	70.778	70.808	70.813	71.108
EXISTING SURFACE HEIGHT	71.513				71.37	71.36	71.29	71.23	71.22				71.108
OFFSETS	-12.05	-7.85	-7.80	-6.30	-3.95	-3.35	0.00	3.35	3.95	6.60	8.10	8.15	9.92

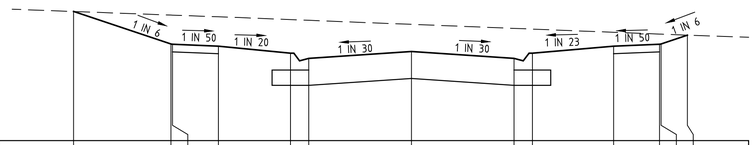
CH 248.96



DATUM70

DESIGN SURFACE HEIGHT	71.825	71.02	71.015	70.985	70.87	70.785	70.897	70.785	70.87	70.985	71.015	71.02	71.412
EXISTING SURFACE HEIGHT	71.83	71.73	71.73	71.7	71.66	71.65	71.59	71.54	71.52	71.48	71.45	71.45	71.41
OFFSETS	-12.68	-7.85	-7.80	-6.30	-3.95	-3.35	0.00	3.35	3.95	6.60	8.10	8.15	10.50

CH 230.00



DATUM70

DESIGN SURFACE HEIGHT	72.107	71.576	71.571	71.541	71.426	71.341	71.453	71.341	71.426	71.541	71.571	71.576	71.72
EXISTING SURFACE HEIGHT	72.11	72.05	72.05	72.02	71.97	71.96	71.9	71.83	71.82	71.77	71.74	71.74	71.72
OFFSETS	-11.03	-7.85	-7.80	-6.30	-3.95	-3.35	0.00	3.35	3.95	6.60	8.10	8.15	9.01

CH 203.01

ROAD CROSS SECTIONS EMPIRE AVENUE - SHEET 2 of 2

SCALES HOR 1 : 100 VER 1 : 50

HORIZ 0 1 2 4 6 8

VERT 0 0.5 1 2 3 4

SCALE 1:100 AT A1 SIZE

AS CONSTRUCTED

REV.	REVISION	DATE	APPD.
-	-	-	-
-	-	-	-
C2	AS CONSTRUCTED ISSUE	10-4-19	J.B.
C1	COUNCIL REQUIREMENTS	15-01-18	J.B.
P1	PRELIMINARY ISSUE	20-10-2017	L.P.

LEGEND

GAS MAIN	HOUSE DRAIN PROPOSED/EX.	100.00 17/11/16	CHAINAGES AND TANGENT POINTS
WATER MAIN	PROPERTY INLET, DRAINAGE PITS	20.06	EXISTING SURFACE LEVEL
RECYCLED WATER MAIN	EX./FUT. INLET, DRAINAGE PITS	FS21.35	FINISHED LEVEL (TITLE BOUNDARY)
ELECTRICITY CABLE	DRAINAGE PIT STAGE/NUMBER	T21.35	DESIGN TOP/TOE OF BATTER LEVEL
TELECOMMUNICATIONS CABLE	SEWER LINE AND STRUCTURES	P21.350	DESIGN PAVEMENT LEVEL
WATER CONDUIT	EX.SEWER LINE AND STRUCTURES	19.20	PROPOSED CONTOUR LINE & LEVEL
GAS CONDUIT	KERB AND CHANNEL	19.20	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	CD.DR	CATCH DRAIN AND INVERT LEVEL
T.B.M. ▲ P.S.M.	STREET SIGN		EX. BATTER PROP. BATTER

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CHECKED:	L.PAPAZOIS
AUTHORISED:	T.DAVOLI
DATE:	20-10-2017

AUTHORITY: **CITY OF MELTON**

PROJECT: **MODEINA STAGE 18**

DETAILS: **EMPIRE AVENUE - CROSS SECTIONS - SHEET 2 OF 2**

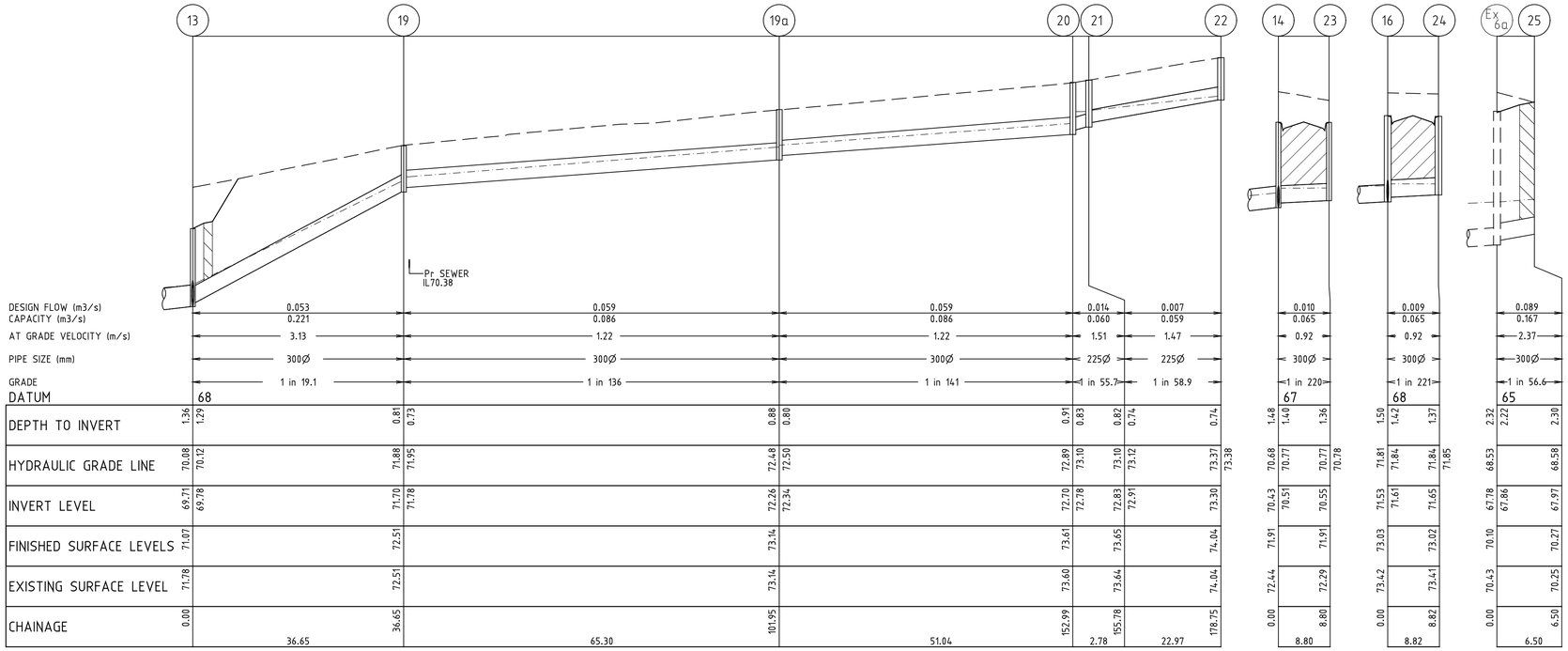
SCALE AS SHOWN

LEVEL DATUM AHD

SHEET 11 **OF** 13

DRAWING No. **1275/18/NE/11**

REV. C2



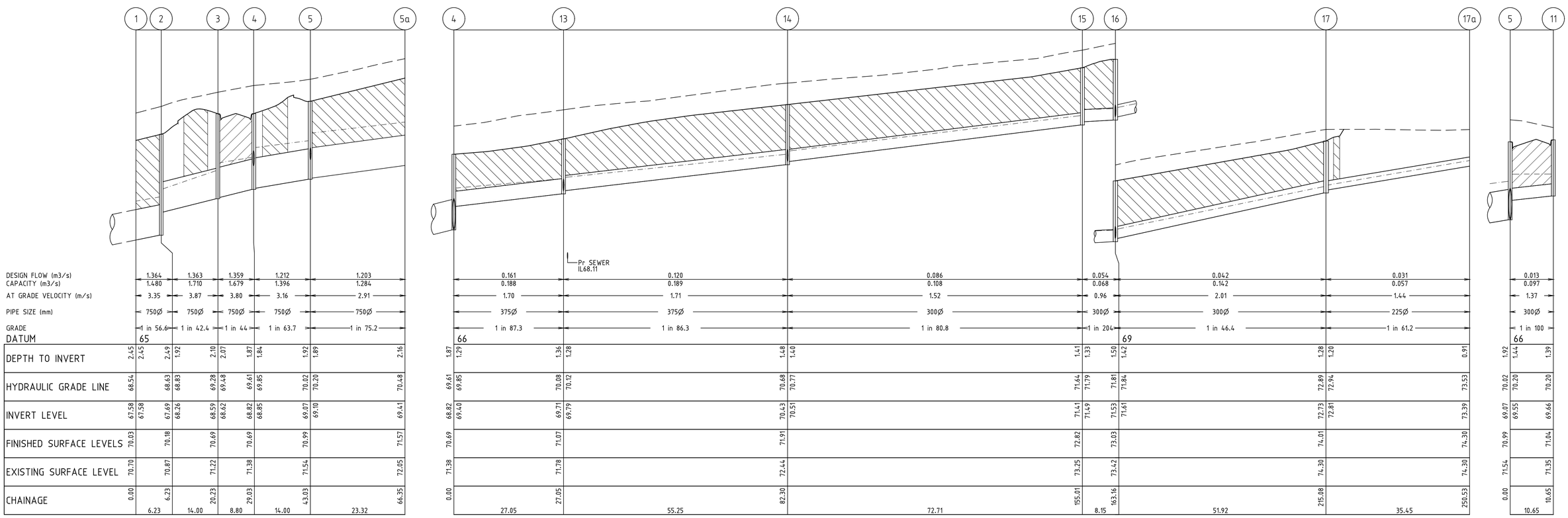
PIT SCHEDULE

PIT No.	TYPE	INTERNAL WID.	INTERNAL LEN.	INLET DIA.	INLET INV R.L.	OUTLET DIA.	OUTLET INV R.L.	F.S.L.	PIT DEPTH	REMARKS
1	ExEP	-	-	750	67.58	750	67.58	70.03	2.45	CONNECT TO EXISTING END OF PIPE
2	JP	1050	900	750	68.26	750	67.69	70.18	2.49	REFER EDCM 605 & 607. SHAFT TO BE 600mm X 900mm
3	SEP	1050	600	750	68.62	750	68.59	70.69	2.10	REFER EDCM 603 & 607. SHAFT TO BE 600mm X 900mm
4	SEP	1050	600	750 375	68.85 69.40	750	68.82	70.69	1.87	REFER EDCM 603 & 607. SHAFT TO BE 600mm X 900mm
5	SEP	1050	900	750 300	69.10 69.55	750	69.07	70.99	1.92	REFER EDCM 603 & 607. SHAFT TO BE 600mm X 900mm
5a	EP	-	-	-	-	750	69.41	71.57	2.16	PROVIDE BLANK END
11	JP	900	600	-	-	300	69.66	71.04	1.39	REFER EDCM 601.
13	JP	600	900	375 300	69.79 69.78	375	69.71	71.07	1.36	REFER EDCM 605.
14	SEP	600	900	300	70.51	375	70.43	71.91	1.48	REFER EDCM 603.
15	JP	600	900	300	71.49	300	71.41	72.82	1.41	REFER EDCM 605.
16	SEP	600	900	300 300	71.61 71.61	300	71.53	73.03	1.50	REFER EDCM 603.
17	JP	600	900	225	72.81	300	72.73	74.01	1.28	REFER EDCM 605.
17a	EP	-	-	-	-	225	73.93	74.30	0.91	PROVIDE BLANK END
19	JP	900	600	300	71.78	300	71.70	72.51	0.81	REFER EDCM 605.
19a	JP	900	600	300	72.34	300	72.26	73.14	0.88	REFER EDCM 605.
20	JP	600	900	225	72.78	300	72.70	73.61	0.91	REFER EDCM 605.
21	JP	600	900	225	72.91	225	72.83	73.65	0.82	REFER EDCM 605.
22	JP	600	900	-	-	225	73.30	74.04	0.74	REFER EDCM 605.
23	SEP	900	600	-	-	300	71.91	71.91	1.36	REFER EDCM 603.
24	SEP	900	600	-	-	300	71.65	73.02	1.37	REFER EDCM 603.
Ex6a	ExJP	600	900	300	67.86	Ex300	67.78	70.10	2.32	BREAK INTO EXISTING PIT & REINSTATE TO COUNCIL SATISFACTION.
25	EP	-	-	-	-	300	67.97	70.27	2.30	PROVIDE BLANK END

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



AS CONSTRUCTED

REV.	REVISION	DATE	APPD.
C5	AS CONSTRUCTED ISSUE	10-4-19	J.B.
C4	MINOR AMENDMENTS	25-6-18	J.B.
C3	MINOR AMENDMENTS	12-2-18	J.B.
C2	COUNCIL REQUIREMENTS	5-2-18	J.B.
C1	COUNCIL REQUIREMENTS	15-01-18	J.B.
P1	PRELIMINARY ISSUE	20-10-17	L.P.

LEGEND

GAS MAIN	HOUSE DRAIN PROPOSED/EX.	CH20.97 TC76.38	CHAINAGES AND TANGENT POINTS
WATER MAIN	PROPERTY INLET, DRAINAGE PITS	20.06	EXISTING SURFACE LEVEL
RECYCLED WATER MAIN	EX./FUT. INLET, DRAINAGE PITS	F521.35	FINISHED LEVEL (TITLE BOUNDARY)
ELECTRICITY CABLE	DRAINAGE PIT STAGE/NUMBER	T21.35	DESIGN TOP/TOE OF BATTER LEVEL
TELECOMMUNICATIONS CABLE	SEWER LINE AND STRUCTURES	F21.350	DESIGN PAVEMENT LEVEL
WATER CONDUIT	EX.SEWER LINE AND STRUCTURES	19.20	PROPOSED CONTOUR LINE & LEVEL
GAS CONDUIT	KERB AND CHANNEL	19.20	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.	STREET SIGN	EX. BATTER	PROP. BATTER

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CHECKED:	L.PAPAZOIS
AUTHORISED:	T.DAVOLI
DATE:	20-10-2017

AUTHORITY: **CITY OF MELTON**

PROJECT: **MODEINA STAGE 18**

DETAILS: **DRAINAGE LONGITUDINAL SECTIONS & PIT SCHEDULE**

SCALE 1:500 H, 1:50V

LEVEL DATUM AHD

SHEET 12 **OF** 13

DRAWING No. **1275/18/NE/12**

REV. C5

N

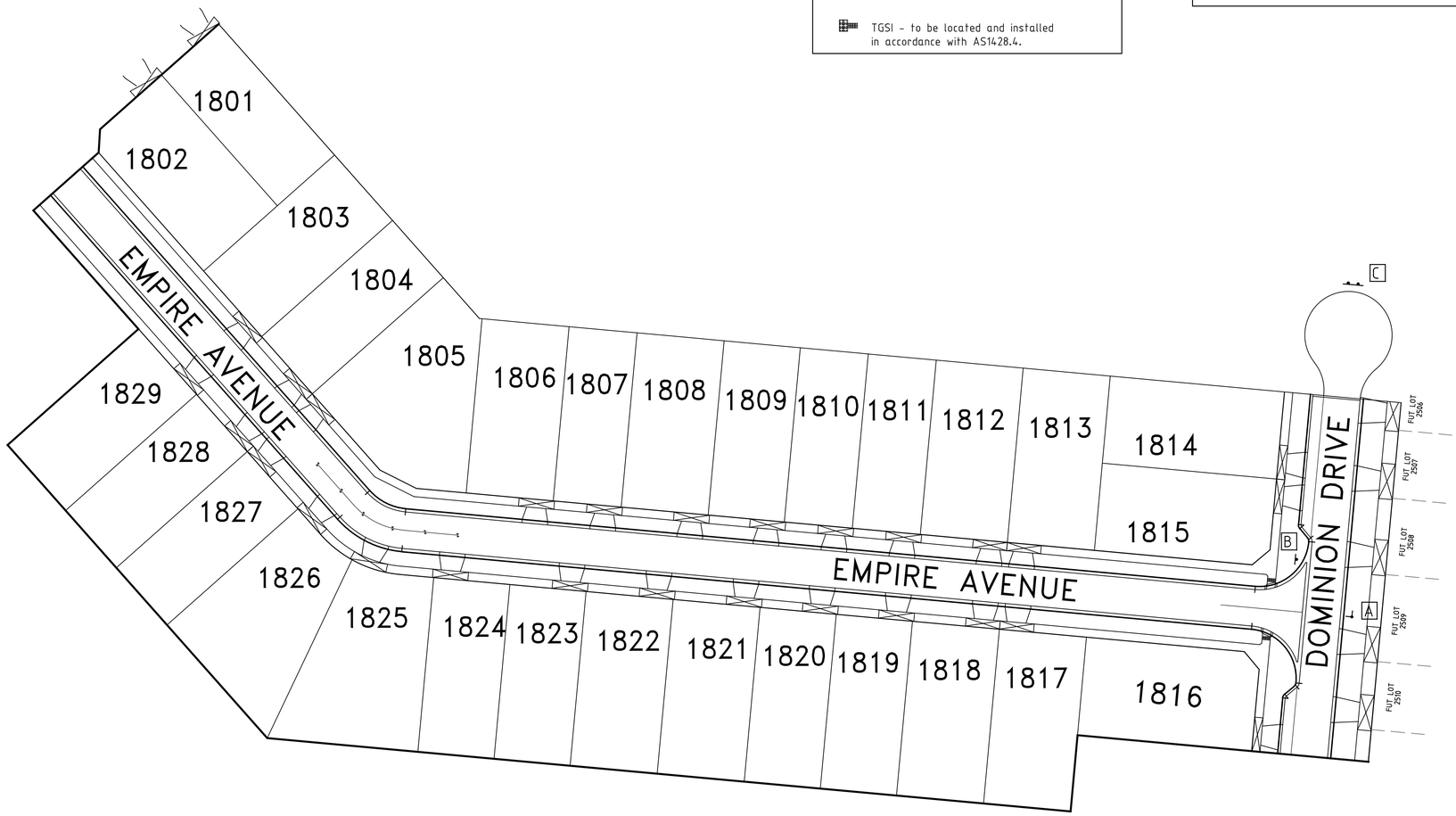
SIGNAGE LEGEND

- A — STREET SIGN - DOUBLE BLADE
- B — GIVE WAY SIGN (R1-2A) - CLASS 1.
- C — NO ROAD AND OBSTRUCTION MARKER SIGN (D4-5).

TGSI - to be located and installed in accordance with AS1428.4.

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 & LINEMARKING PLAN

0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE

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.

AS CONSTRUCTED

REV.	REVISION	DATE	APPD.
C4	AS CONSTRUCTED ISSUE	10-4-19	J.B.
C3	1825 CROSSING AND FUT LAYOUT CHANGES	13-7-18	J.B.
C2	LOT 1824 VEHICLE CROSSING RELOCATED	16-5-18	J.B.
C1	COUNCIL REQUIREMENTS	15-01-18	J.B.
P1	PRELIMINARY ISSUE	20-10-17	L.P.

LEGEND

GAS MAIN	HOUSE DRAIN PROPOSED/EX.	CHAINAGE AT TANGENT POINTS	CHAINAGES AND TANGENT POINTS
WATER MAIN	PROPERTY INLET, DRAINAGE PITS	20.06	EXISTING SURFACE LEVEL
RECYCLED WATER MAIN	EX./FUT. INLET, DRAINAGE PITS	F527.35	FINISHED LEVEL (TITLE BOUNDARY)
ELECTRICITY CABLE	DRAINAGE PIT STAGE/NUMBER	T21.35	DESIGN TOP/TOE OF BATTER LEVEL
TELECOMMUNICATIONS CABLE	SEWER LINE AND STRUCTURES	P21.350	DESIGN PAVEMENT LEVEL
WATER CONDUIT	EX.SEWER LINE AND STRUCTURES	19.20	PROPOSED CONTOUR LINE & LEVEL
GAS CONDUIT	KERB AND CHANNEL	19.20	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	22.24	CATCH DRAIN AND INVERT LEVEL
T.B.M. / P.S.M.	STREET SIGN		EX. BATTER / PROP. BATTER

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AUTHORISED:	T.DAVOLI
DATE:	20-10-2017

AUTHORITY: **CITY OF MELTON**

PROJECT: **MODEINA STAGE 18**

DETAILS: **SIGNAGE & LINEMARKING PLAN**

SCALE 1:500

LEVEL DATUM AHD

SHEET 13 **OF** 13

DRAWING No. **1275/18/NE/13**

REV. C4