

# STANDARD DRAWINGS

	ME ST/	LTON CIT	Y COUNCIL RAWING INDEX		
STANDARD DRAWING NUMBER	DESCRIPTION	REVISION	STANDARD DRAWING NUMBER	DESCRIPTION	REVISION
ROAD CONSTRUCTION				DRAINAGE PITS	
EDCM 201	ROAD PAVEMENT JOINT	0	EDCM 601	SIDE ENTRY PIT GRATED B2 KERB & CHANNEL	0
EDCM 202	SUB-SURFACE DRAIN BACK OF KERB	0	EDCM 602	DOUBLE ENTRY PIT GRATED B2 KERB & CHANNEL	0
MCC 203	ROUNDABOUT CENTRAL ISLAND	В	EDCM 603	SIDE ENTRY PIT GRATED SM2 KERB & CHANNEL	0
MCC 204	INDENTED PARKING BAY	В	EDCM 604	DOUBLE ENTRY PIT GRATED SM2 KERB & CHANNEL	0
MCC 205	SIGNAGE OFFSET AND INSTALLATION	В	EDCM 605	900 X 600 JUNCTION PIT UP TO 3600mm DEPTH	0
MCC 206	SERVICE UTILITIES DETAIL	С	EDCM 606	900 X 600 JUNCTION PIT 3601mm TO 10800mm DEPTH	0
			EDCM 607	HAUNCHED JUNCTION PIT UP TO 3600mm DEPTH	0
	KERB & CHANNELS		EDCM 608	HAUNCHED JUNCTION PITS 3601mm TO 10,800mm DEPTH	0
EDCM 301	BARRIER KERB, EDGE AND INVERT PROFILES	0	EDCM 609	STEP IRONS	0
EDCM 302	SEMI MOUNTABLE & MOUNTABLE KERB PROFILES	0	MCC 610	SIDE ENTRY PIT	С
EDCM 303	KERB MARKINGS	В	MCC 611	MODIFIED SIDE ENTRY PIT	В
MCC 304	MELTON COUNCIL SPECIFIC KERBS	E	MCC 612	MODIFIED SIDE ENTRY PITS WITH EXISTING CATCH PITS	В
MCC 305	SPLITTER ISLANDS	В	MCC 613	AUXILIARY CHANNEL PIT	с
MCC 306	SI1 TYPE SPLITTER ISLAND LAYOUT	В			
MCC 307 SI2 TYPE SPLITTER ISLAND LAYOUT		В		DRAINAGE INCIDENTALS	
MCC 308	SI3 SPLITTER ISLAND ON 90 DEGREES BENDS	В	EDCM 701	PROPERTY INLET - TYPE A	0
		D	EDCM 702	PROPERTY INLET - TYPE A	0
	PATHS		EDCM 703	PROPERTY INLET - TYPE A	0
EDCM 401	CONCRETE FOOTPATH CROSS SECTIONS AND JOINTS	A	MCC 704	PIPE BEDDING & RE-INSTATEMENTS	D
MCC 402	CONCRETE JOINT DETAILS	A			
MCC 403	PRAM CROSSING	В			
	VEHICLE CROSSINGS				
MCC 501	SINGLE RESIDENTIAL VEHICLE CROSSING	E			
MCC 502	EXTENSION OF CROSSOVER	D			
MCC 503	DOUBLE RESIDENTIAL VEHICLE CROSSING	В			
MCC 504	INDUSTRIAL VEHICLE CROSSING	D			
MCC 505	RURAL VEHICLE CROSSING FOR SHALLOW TABLE DRAINS	С			
MCC 506	RURAL PIPED CULVERT VEHICLE CROSSING	С			
E	GENERAL NOTES ATED 2015 STANDARD DRAWINDS INCLUDING EDCM. ATED 2011 STANDARD DRAWINDS INCLUDING GAA. ATED 2007 STANDARD DRAWINGS AMENDMENT		C I T Y O F M E L T O N ENGINEERING SERVICES DEF	T DESIGN L.SHE PROJECT DRAWIN L.SHE CHECKED M.HUTCHINSON DATE JUN 16 PROJECT STANDARD DRAWINGS - MCC 001 SHEET 1 oF DRAWING No. FILE NAME M.CC001 - INDEX.I	N.T.S.











		1. 2. 3.	      	NOTES CONDUITS FOR GAS, WATER, ELECTRICITY AN PAVEMENT AND THE SUBSURFACE DRAIN. REFER TO BACKFILL REQUIREMENTS PER MCC MINIMUM REQUIREMENTS FROM THE FINISH PA DRAIN HAVE TO BE MET, OTHERWISE SERVICE BEDDING OF SUBSURFACE DRAIN	UPPER SUB BASE UOWER SUBBASE / CAPPING LAVE SUB GRADE SERVICE CONDUIT	CLEAR OF SUBSURFACE M BELOW THE			PUSH ON CAP
E					GENERAL NOTES	CITY O <u>F</u>	DESIGN B.SELL	PROJECT STANDARD DRAWING - MCC 206	N.T.S.
D	MU	10	0/16				DRAWN B.SELL		SHEET PAPER
B	м.н	12	2/16	REVISED DRAWING NUMBER			CHECKED	DETAILS	1 OF 1 A4
A	V.C.D	00	J/09	REVIEWED AND UPDATED 2009 STANDARD DRAWINGS		MELTON	M.HUTCHINSON	SERVICES LITH ITIES DETAIL	B
ISSUE	APP'D	DA	ATE	AMENDMENT		ENGINEERING SERVICES DEPT	DATE JUN 11		FILE NAME MCC 206 - SERVICES UTILITIES DETAIL.DWG

17/1/2017 1:57:03 PM



Plot Date: 16 November 2015 - 2:48 PM Plotted by: Kerry Waltor Cad File No: Q:\Infrastructure Planning\MPA standard drawings\20150506 EDCM DRAWINGS (NEW)\28082015 Drawings\ECDM - 301.dwg







7777

300

M1

LINE/LIP OF KERB

15R

10R

300

M4

6





NOTES:

LIP OF KERB

- 1 CONCRETE SHALL BE NORMAL CLASS N25 STANDARD STRENGTH GRADE COMPLYING WITH THE REQUIREMENTS OF AS. 1379. REFER TO VICROADS STANDARD SPECIFICATION 703 FOR REQUIREMENTS OF CONCRETE TO BE USED IN EXTRUSION MACHINES.
- 2. REFER TO AUSTROADS GUIDE TO ROAD DESIGN PART 3: GEOMETRIC DESIGN FOR THE RECOMMENDED USE OF KERBS AND CHANNELS.
- CONTRACTION JOINTS TO BE PLACED AT 3000 CENTRES. 3.
- 4 CHAMFERS ARE 15mm X 15mm UNLESS OTHERWISE SHOWN.
- 5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.



STANDARD DRAWINGS FOR SUBDIVISIONS IN GROWTH AREAS **SEMI MOUNTABLE &** MOUNTABLE KERB PROFILES



Plotted by: Kerry Waltor

Cad File No: Q:Unfrastructure Planning/MPA standard drawings/20150506 EDCM DRAWINGS (NEW)/28082015 Drawings/ECDM - 302-2.dwg





Plot Date: 16 November 2015 - 2:54 PM Plotted by: Kerry Walton

Cad File No: Q:\Infrastructure Planning\MPA standard drawings\20150506 EDCM DRAWINGS (NEW)\28082015 Drawings\ECDM - 303.dwg



![](_page_12_Figure_0.jpeg)

![](_page_13_Figure_0.jpeg)

![](_page_14_Figure_0.jpeg)

![](_page_15_Figure_0.jpeg)

![](_page_16_Figure_0.jpeg)

TYPICAL FOOTPATH CROSS SECTION

![](_page_16_Figure_2.jpeg)

## CONCRETE JOINT DETAILS

### NOTES:

- 1. TIE BARS TO BE INSTALLED AT 400 MAXIMUM CENTRES COMMENCING 150 FROM EDGE.
- DOWEL BARS TO BE INSTALLED AT 400 CENTRES COMMENCING AT A MINIMUM OF 100 AND A MAXIMUM OF 200 FROM THE EDGE OF PATH. 16 DIAMETER PVC SLEEVE WITH END CAP OR CLOSED END TO BE FITTED TO ONE END OF THE BAR. DOWEL BARS TO BE SECURELY TIED TO LONGITUDINAL REINFORCING MESH.
- EXPANSION JOINTS (EJ) LOCATED BOTH SIDE OF VEHICLE CROSSING AND AT A MAXIMUM OF 12000 CENTRES.
- 4. WEAKENED PLANE JOINTS LOCATED AT SPACINGS EQUAL TO THE WIDTH OF THE PATH AND MADE WITH A 'T' IRON OR CONCRETE SAW CUT.
- 5. IN SHARED PATHS WEAKENED PLANE JOINTS MUST BE MADE BY CONCRETE SAW CUTTING.
- 6. CONCRETE TO BE LIGHT BROOM FINISH WITH EDGE AND JOINTS NEATLY TOOLED AFTER THE BROOM IS APPLIED.
- 7. ALL FINISHED SURFACES TO COMPLY WITH AS 4586 SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIAL.
- THE USE OF COLOURED CONCRETE MUST BE APPROVED BY COUNCIL. MINIMUM STRENGTH OF COLOURED CONCRETE TO BE 32 MPa.
- 9. FORMWORK TIMBER TO BE MIN. 125mm DEEP.
- 10. ALL DIMENSIONS IN MILLIMETRES.
- 11. SHARED PATHS TO BE 2.5m IN WIDTH MINIMUM. REFER TO APPROVED CONSTRUCTION PLANS FOR ACTUAL WIDTH.

![](_page_16_Picture_16.jpeg)

![](_page_17_Figure_0.jpeg)

![](_page_18_Figure_0.jpeg)

![](_page_19_Figure_0.jpeg)

![](_page_20_Figure_0.jpeg)

![](_page_21_Figure_0.jpeg)

![](_page_22_Figure_0.jpeg)

![](_page_23_Figure_0.jpeg)

TABLE 1: MINIMUM CLEARANCES							
BETWEEN CROSSOVERS	7 METRES AT ROAD						
DRAINAGE PITS	0.75METRES (WITHIN 0.75M—INSTALL HEAVY DUTY PIT LID) (PIT WITHIN CROSSING — MODIFY PIT & LID)						
TRAFFIC MANAGEMENT DEVICES	1 METRE						
UTILITY SERVICE ASSETS	1 METRE						
STREET LIGHT	2 METRES						
INTERSECTIONS	9 METRES FROM PROPERTY BOUNDARY LINE						
PRAM CROSSINGS	2 METRES						

## NOTES

- 1. THIS TYPE OF VEHICLE CROSSING WILL BE APPROVED ONLY WHEN TABLE DRAIN IS OF INSUFFIENT DEPTH TO INSTALL A PIPE CULVERT (REFER TO MCC 506).
- IF ACCESS ABUTS A DECLARED ARTERIAL ROAD. THEN TOWN PLANNING 2. PERMIT MUST BE OBTAINED.
- 3. PLEASE ENSURE APPROVAL IS OBTAINED FROM ANY RELEVANT SERVICE AUTHORITIES (EG TELSTRA, WATER AUTHORITY, SEWER AUTHORITY ETC).
- 4. REINFORCEMENT MESH TO BE CENTRALLY PLACED THROUGHOUT CROSSING. MINIMUM 50MM COVER AT ALL TIMES. APPROVED BAR CHAIRS MUST BE USED FOR PROPER PLACEMENT OF REINFORCEMENT, JOINTS TO OVERLAP ONE FULL PATTERN AS PER AS3600 & AS2870.1.
- 5. NATURE STRIP TO BE MADE FLUSH WITH NEW CONCRETE WORKS AND SHALL BE OF APPROVED TOP SOIL AND SEED.

			<u>Section A</u>	<u>A</u>					
E D				GENERAL NOTES	CITY OF	DESIGN L.SHE	PROJECT STANDARD DRAWING - MCC 505	N.T.S.	
7:15 F	M.H.	12/16	AMENDED LINE WEIGHTS, FONTS & REFERENCE DWGS			L.SHE		SHEET 1 OF 1	PAPER A4
₽ B	V.C.D.	03/09	ADDED TABLE 1 & MODIFIED NOTES		MELTON	CHECKED M.HUTCHINSON		DRAWING No.	REV
A 201	J.V.	06/07	REVIEWED AND UPDATED 2000 STANDARD DRAWINGS			DATE	TABLE DRAIN	FILE NAME	
ISSUE	APP'D	DATE	AMENDMENT		ENGINEERING SERVICES DEPT	APRIL 2016		MCC 505 - RURAL VEHICLE CROSSING FOR SHALLOW	V TABLE DRAINS, DWG

![](_page_24_Figure_0.jpeg)

![](_page_25_Figure_0.jpeg)

Plot Date: 16 November 2015 - 4:18 PM Plotted by: Kerry Walton

Cad File No: Q:\Infrastructure Planning\EDCM Standard Drawings\ECDM - 601.dwg

![](_page_26_Figure_0.jpeg)

0

Cad File No: Q:\Infrastructure Planning\MPA standard drawings\20150506 EDCM DRAWINGS (NEW)\28082015 Drawings\ECDM - 602.dwg

![](_page_27_Figure_0.jpeg)

8. NOT APPLICABLE TO MELBOURNE WATER CORPORATION DRAINAGE ASSETS. FOR MWC WORKS REFER TO MWC LAND DEVELOPMENT MANUAL

STANDARD DRAWINGS FOR<br/>SUBDIVISIONS IN GROWTH AREASRevision0SINGLE SIDE ENTRY PIT GRATED<br/>SM2 KERB & CHANNELDateDEC 2015EDCM 603

![](_page_27_Figure_3.jpeg)

![](_page_27_Figure_4.jpeg)

Plot Date: 16 November 2015 - 3:40 PM Plotted by: Kerry Walton

Cad File No: Q:\Infrastructure Planning\MPA standard drawings\20150506 EDCM DRAWINGS (NEW)\28082015 Drawings\ECDM - 603.dwg

![](_page_28_Figure_0.jpeg)

![](_page_28_Figure_1.jpeg)

- 225mm DIAMETER SEWER GRADE PVC PIPE WHEN GAP BETWEEN CATCH PIT AND JUNCTION PIT IS LESS THAN 300mm. 225mm DIAMETER REINFORCED CONCRETE PIPE WHEN GAP IS GREATER THAN 300mm.
- 6. SHAPE FLOOR OF PIT TO OUTLET & RENDER FLOOR AND WALLS TO CLASS 2 FINISH.
- 7. CONCRETE STRENGTH 32 MPa AT 28 DAYS.
- 8. NOT APPLICABLE TO MELBOURNE WATER CORPORATION DRAINAGE ASSETS. FOR MWC WORKS REFER TO MWC LAND DEVELOPMENT MANUAL

![](_page_28_Figure_6.jpeg)

![](_page_28_Figure_7.jpeg)

STANDARD DRAWINGS FOR SUBDIVISIONS IN GROWTH AREAS GRATED CHANNEL PIT SM2 KERB - DOUBLE

Revision 0 Date DEC 2015 EDCM 604

Plot Date: 16 November 2015 - 3:43 PM Plotted by: Kerry Walton

![](_page_29_Figure_0.jpeg)

WYNDHAM

CLASS B - CONCRETE

**CLASS B - CONCRETE** 

CLASS D - CAST IRON

Date DEC 2015

**EDCM 605** 

Revision 0

Cad File No: Q:\Infrastructure Planning\MPA standard drawings\20150506 EDCM DRAWINGS (NEW)\28082015 Drawings\ECDM - 605.dwg

![](_page_30_Figure_0.jpeg)

Plot Date: 16 November 2015 - 3:46 PM Plotted by: Kerry Waltor Cad File No: Q:\Infrastructure Planning\MPA standard drawings\20150506 EDCM DRAWINGS (NEW)\28082015 Drawings\ECDM - 606.dwg

![](_page_31_Figure_0.jpeg)

![](_page_31_Figure_1.jpeg)

## NOTES:

- 1. PIPE CENTRE LINE TO BE DIAMETER OF PIPE / 2 + 200mm BEHIND BACK OF KERB.
- 2. PIT TO BE HAUNCHED WHERE THE PIPE DIAMETER PLUS 75 IS GREATER THAN THE WIDTH OF THE PIT
- 3 INSTALL 100mm DIAMETER PENETRATION FOR SUBSURFACE DRAINAGE
- 4. FLOOR OF PIT TO BE SHAPED ON COMPLETION OF PIT WITH NO SLUMP CONCRETE.
- 5. SUBJECT TO COUNCIL APPROVAL PRECAST PITS COMPLYING WITH AS 5100 BRIDGE DESIGN AND VICROADS SPECIFICATION 705 DRAINAGE PITS MAY BE USED.
- 6. PITS TO BE FITTED WITH STEP IRONS.
- 7. PIT COVER LEVEL TO MATCH FINISHED SURFACE LEVEL
- 8. PIT COVERS TO BE IMPRINTED WITH THE CLASS OF THE COVER AND WEIGHT.
- 9. FIBRE GLASS PIT COVERS TO BE FITTED WITH AN APPROVED LOCKING DEVICE AND INSTALLED TO OPEN TO THE VERGE SIDE OF THE ROAD.
- 10. FIBRE GLASS PIT COVERS TO BE ATTACHED WITH 4 Nº 10mm DIA. 75mm LONG MASONRY ANCHORS OR AS PER MANUFACTURERS DETAILS.
- 11. FIBRE GLASS PIT COVERS TO HAVE A CLEAR OPENING OF 900mm X 600mm
- 12. PITS GREATER THAN 1200 DEPTH TO BE REINFORCED
- 13. CONCRETE PIT COVERS TO BE INSTALLED ON A 5mm BED OF MORTAR.
- 14. FABRIC IN SHAFT TO HAVE MAIN BARS HORIZONTAL
- 15. CLEAR COVER TO REINFORCEMENT NOT LESS THAN 50mm.
- 16. RETURN REINFORCEMENT BARS TO BE FABRIC OR EQUIVALENT BARS.
- 17. CONCRETE STRENGTH 32 MPa AT 28 DAYS.
- 18. NOT APPLICABLE TO MELBOURNE WATER CORPORATION DRAINAGE ASSETS. FOR MWC WORKS REFER TO MWC LAND DEVELOPMENT MANUAL.

MUNICIPALITIES	CARDINIA CASEY MELTON MITCHELL WHITTLESEA	HUME	WYNDHAM				
LOCATION OF PIT							
RESERVES	CLASS B - FIBRE GLASS	CLASS B - CONCRETE	CLASS B - CONCRETE				
EASEMENTS	CLASS B - FIBRE GLASS	CLASS B - CONCRETE OR FIBRE GLASS	CLASS B - CONCRETE				
NATURESTRIPS	CLASS B - FIBRE GLASS	CLASS B - CONCRETE OR FIBRE GLASS	CLASS B - CONCRETE				
WITHIN 0.75m OF A VEHICLE CROSSING	CLASS D - CAST IRON	CLASS D - CAST IRON	CLASS D - CAST IRON				
WITHIN A VEHICLE CROSSING	CLASS D - CAST IRON	CLASS D - CAST IRON	CLASS D - CAST IRON				
NATURESTRIPS	CLASS D - CAST IRON	CLASS D - CAST IRON	CLASS D - CAST IRON				

# PIT COVER SCHEDULE

STANDARD DRAWINGS FOR SUBDIVISIONS IN GROWTH AREAS HAUNCHED JUNCTION PIT UP TO 3600mm DEPTH

## Revision 0 Date DEC 2015 **EDCM 607**

No Revision Note: \* indicates signatures on original issue of drawing or last revision of drawing Plot Date: 16 November 2015 - 3:47 PM Plotted by: Kerry Walton

Drawn

Checked Approved Date

Cad File No: Q:\Infrastructure Planning\MPA standard drawings\20150506 EDCM DRAWINGS (NEW)\28082015 Drawings\ECDM - 607.dwg

![](_page_31_Figure_28.jpeg)

![](_page_32_Figure_0.jpeg)

# NOTES:

- 1. PIPE CENTRE LINE TO BE DIAMETER OF PIPE / 2 + 200mm BEHIND BACK OF KERB.
- 2. PIT TO BE HAUNCHED WHERE THE PIPE DIAMETER PLUS 75 IS GREATER THAN THE WIDTH OF THE PIT.
- 3. INSTALL 100mm DIAMETER PENETRATION FOR SUBSURFACE DRAINAGE.
- 4. FLOOR OF PIT TO BE SHAPED ON COMPLETION OF PIT WITH NO SLUMP CONCRETE.
- SUBJECT TO COUNCIL APPROVAL PRECAST PITS COMPLYING WITH AS 5100 BRIDGE DESIGN AND VICROADS SPECIFICATION 705 DRAINAGE PITS MAY BE USED.
- 6. PITS TO BE FITTED WITH STEP IRONS.
- 7. PIT COVER LEVEL TO MATCH FINISHED SURFACE LEVEL.
- 8. PIT COVERS TO BE IMPRINTED WITH THE CLASS OF THE COVER AND WEIGHT.
- 9. FIBRE GLASS PIT COVERS TO BE FITTED WITH AN APPROVED LOCKING DEVICE AND INSTALLED TO OPEN TO THE VERGE SIDE OF THE ROAD.
- 10. FIBRE GLASS PIT COVERS TO BE ATTACHED WITH 4 N° 10mm DIA. 75mm LONG MASONRY ANCHORS OR AS PER MANUFACTURERS DETAILS.
- 11. FIBRE GLASS PIT COVERS TO HAVE A CLEAR OPENING OF 900mm X 600mm.
- 12. PITS GREATER THAN 1200 DEPTH TO BE REINFORCED
- 13. CONCRETE PIT COVERS TO BE INSTALLED ON A 5mm BED OF MORTAR.
- 14. FABRIC IN SHAFT TO HAVE MAIN BARS HORIZONTAL.
- 15. CLEAR COVER TO REINFORCEMENT NOT LESS THAN 50mm.
- 16. RETURN REINFORCEMENT BARS TO BE FABRIC OR EQUIVALENT BARS.
- 17. CONCRETE STRENGTH 32 MPa AT 28 DAYS.
- 18. NOT APPLICABLE TO MELBOURNE WATER CORPORATION DRAINAGE ASSETS. FOR MWC WORKS REFER TO MWC LAND DEVELOPMENT MANUAL.

MUNICIPALITIES	CARDINIA CASEY MELTON MITCHELL WHITTLESEA	HUME	WYNDHAM
LOCATION OF PIT			
RESERVES	CLASS B - FIBRE GLASS	CLASS B - CONCRETE	CLASS B - CONCRETE
EASEMENTS	CLASS B - FIBRE GLASS	CLASS B - CONCRETE OR FIBRE GLASS	CLASS B - CONCRETE
NATURESTRIPS	CLASS B - FIBRE GLASS	CLASS B - CONCRETE OR FIBRE GLASS	CLASS B - CONCRETE
WITHIN 0.75m OF A VEHICLE CROSSING	CLASS D - CAST IRON	CLASS D - CAST IRON	CLASS D - CAST IRON
WITHIN A VEHICLE CROSSING	CLASS D - CAST IRON	CLASS D - CAST IRON	CLASS D - CAST IRON
ROAD PAVEMENT	CLASS D - CAST IRON	CLASS D - CAST IRON	CLASS D - CAST IRON

# PIT COVER SCHEDULE

![](_page_32_Picture_22.jpeg)

![](_page_32_Figure_25.jpeg)

Cad File No: Q:\Infrastructure Planning\MPA standard drawings\20150506 EDCM DRAWINGS (NEW)\28082015 Drawings\ECDM - 608.dwg

![](_page_33_Figure_0.jpeg)

![](_page_33_Figure_1.jpeg)

FACE OF WALL 24 DIA BAR 375

> STEP IRON DETAILS NOT TO SCALE

25 50 200 75

MIN

# NOTES:

- PITS DEEPER THAN 1000 TO BE FITTED WITH STEP IRONS. 1.
- 2. STEP IRONS SHALL BE LOCATED DIRECTLY BELOW THE OPENING IN THE COVER AND DESIRABLY ON A WALL WITHOUT PIPE OPENINGS.
- WHERE STEP IRON LADDER CHANGES FROM ONE WALL TO THE ADJACENT WALL, STEP IRON 3. LADDERS TO OVERLAP BY 1200mm MINIMUM.
- STEEL FOR STEP-IRONS SHALL BE STRUCTURAL GRADE 250 TO AS3679 PART 1. 4.
- STEP IRONS SHALL HAVE SHARP EDGES ROUNDED AND HOT DIP GALVANISED AFTER 5. FABRICATION TO AS/NZS 4680.
- 6. PROPRIETARY POLYPROPYLENE STEP IRONS (OR APPROVED ALTERNATIVE) MAY BE USED. THESE SHALL BE INSTALLED ACCORDING TO THE MANUFACTURERS INSTRUCTIONS.
- FOR PRECAST PITS, STEP IRONS SHALL BE LOAD TESTED TO AS4198/1994. 7.
- FOR REINFORCEMENT DETAILS REFER TO EDCM 605-608. 8.

![](_page_33_Figure_13.jpeg)

Cad File No: Q:\Infrastructure Planning\MPA standard drawings\20150506 EDCM DRAWINGS (NEW)\28082015 Drawings\ECDM - 609.dwg

75

0

![](_page_34_Figure_0.jpeg)

![](_page_35_Figure_0.jpeg)

![](_page_36_Figure_0.jpeg)

![](_page_37_Figure_0.jpeg)

![](_page_38_Figure_0.jpeg)

					STANDARD DRAWINGS FOR SUBDIVISIONS IN GROWTH AREAS	Revision 0 Date DEC 2015
O FINAL ISSUE     No Revision Note: * indicates signatures on original issue of drawing or last revision of drawing	DG Drawn	MM	d Approv	16.11.15 ed Date	TYPE A	EDCM 701

Plot Date: 16 November 2015 - 3:55 PM Plotted by: Kerry Walton

Cad File No: Q:\Infrastructure Planning\MPA standard drawings\20150506 EDCM DRAWINGS (NEW)\28082015 Drawings\ECDM - 701.dwg

![](_page_39_Figure_0.jpeg)

ELEVATION

![](_page_39_Figure_2.jpeg)

# NOTES:

- ALL PROPERTY CONNECTION PIPES AND FITTINGS TO BE OF 100mm PVC SEWER CLASS SN6, REFER AS 1260.
- 2. ALL PVC JOINTS TO BE SEALED WITH SOLVENT CEMENT OR RUBBER RING JOINTS.
- 3. DEPTH 'D' = 400mm MINIMUM UNLESS APPROVED BY COUNCIL.
- 4. BACKFILL AROUND RISER PIPE WITH CLASS 3 CRUSHED ROCK OR CLASS 3 CRUSHED CONCRETE.
- 5. BED PROPERTY CONNECTION PIPE ON 50mm COMPACTED 20mm CLASS 3 CRUSHED ROCK OR CLASS 3 CRUSHED CONCRETE.
- 6. ALL DIMENSIONS IN MILLIMETRES OR AS NOTED OTHERWISE.
- 7. NOT APPLICABLE TO MELBOURNE WATER CORPORATION DRAINAGE ASSETS. FOR MWC WORKS REFER TO MWC LAND DEVELOPMENT MANUAL.

![](_page_39_Picture_11.jpeg)

![](_page_40_Figure_0.jpeg)

NOT TO SCALE

![](_page_40_Figure_2.jpeg)

EASEMENT DRAINAGE ELEVATION

NOT TO SCALE

## NOTES:

- 1. ALL PIPES AND FITTINGS TO BE OF 100mm PVC CLASS SN6, REFER AS 1260.
- 2. ALL PVC JOINTS TO BE SEALED WITH SOLVENT CEMENT OR RUBBER RING JOINTS.
- 3. DEPTH 'D' = 400mm MINIMUM UNLESS APPROVED BY COUNCIL.
- 4. BED PROPERTY CONNECTION PIPE ON 50MM COMPACTED 20mm CLASS 3 CRUSHED ROCK OR CLASS 3 CRUSHED CONCRETE.
- BACKFILL TRENCH WITH CLASS 3 20mm CRUSHED ROCK OR CLASS 3 20mm CRUSHED CONCRETE TO 100mm ABOVE THE PROPERTY CONNECTION PIPE IN EASEMENTS AND UNPAVED AREAS AND TO SUBGRADE LEVEL UNDER FOOTPATHS AND PAVED AREAS.
- 6. TRENCH UNDER FOOTPATH TO BE BACKFILLED WITH COMPACTED 20MM CLASS 3 CRUSHED ROCK.
- 7. IF THE HOLE IN THE PIT WALL FOR THE PIPE IS NOT AVAILABLE, A HOLE IS TO BE CORE DRILLED.
- 8. ALL DIMENSIONS IN MILLIMETRES OR AS NOTED OTHERWISE.
- 9. REFER TO EDCM 605-609 FOR PIT DETAILS.

![](_page_40_Picture_15.jpeg)

![](_page_41_Figure_0.jpeg)