



GYMPIE REGIONAL COUNCIL STANDARD DRAWINGS INDEX (APRIL 2017)

ROADS

DRAWING NUMBER

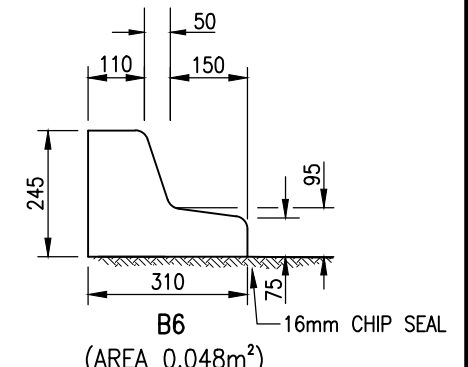
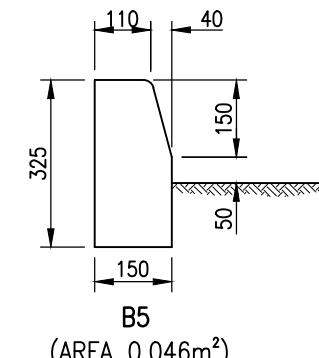
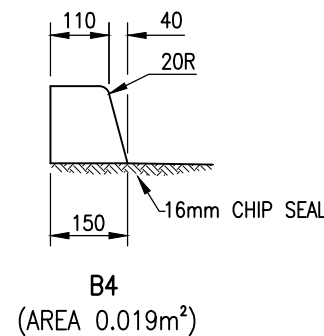
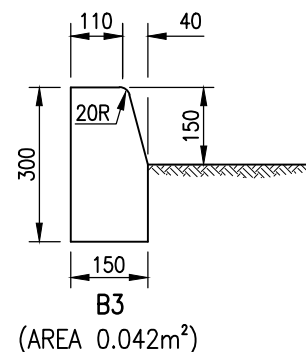
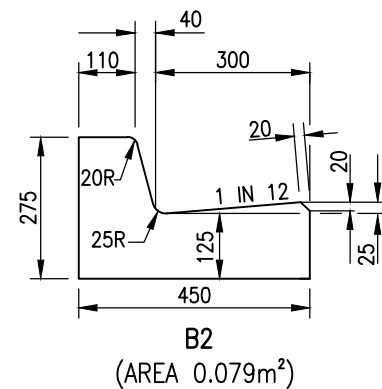
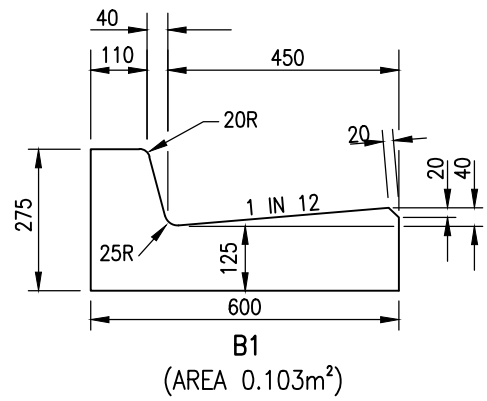
TITLE

R-01	KERB AND CHANNEL, PROFILES AND DIMENSIONS, INCLUDING EDGE RESTRAINTS, MEDIAN AND INVERT.
R-02	DRIVEWAYS, RESIDENTIAL DRIVEWAYS.
R-03	INVERT CROSS OVER, DRIVEWAY SLAB, DWELLING HOUSE TYPE.
R-04	INVERT CROSS OVER, DRIVEWAY TRACKS, PAVERS OR BRIDGE, DWELLING HOUSE TYPE.
R-05	INVERT CROSS OVER, CONCRETE DRIVEWAY, COMMERCIAL TYPE.
R-06	DRAINAGE PITS, KERB INLET – LIP IN LINE, INSTALLATION DETAILS.
R-07	RURAL ROAD, TYPE CROSS SECTION.
R-08	FOOTPATH ALLOCATION, TYPICAL SERVICE CORRIDORS AND ALIGNMENTS.
R-09 – SHEET 1	URBAN STREET, TYPE CROSS SECTION, ROADWAY SECTION AND CONCRETE FOOTPATH DETAILS.
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R-15	TABLE DRAIN CROSSING, WITH VEHICULAR ACCESS.
R-16	TABLE DRAIN CROSSING, WITH VEHICULAR ACCESS, SIGHT DISTANCE REQUIREMENTS.
R-17	CONCRETE FLOODWAY, DETAILS AND DIMENSIONS, TYPICAL SECTION.

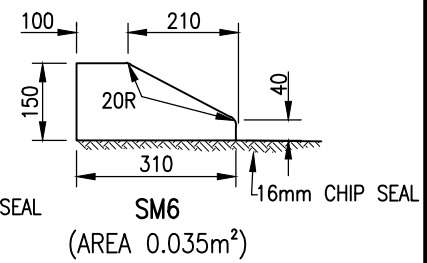
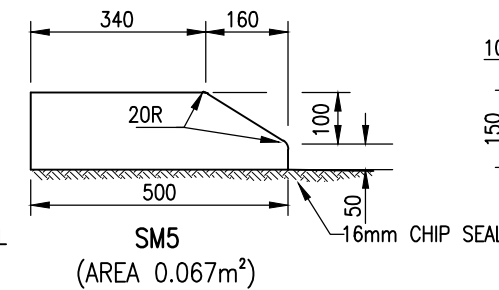
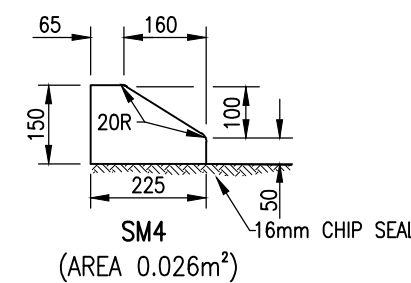
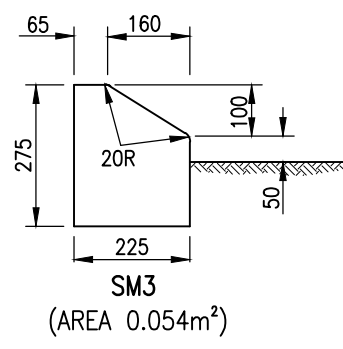
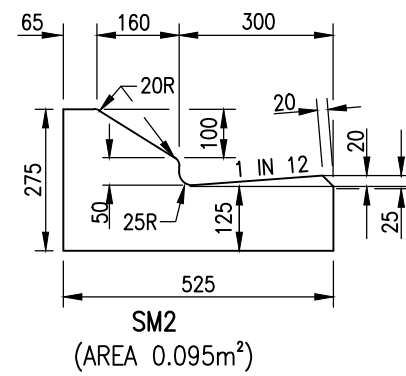
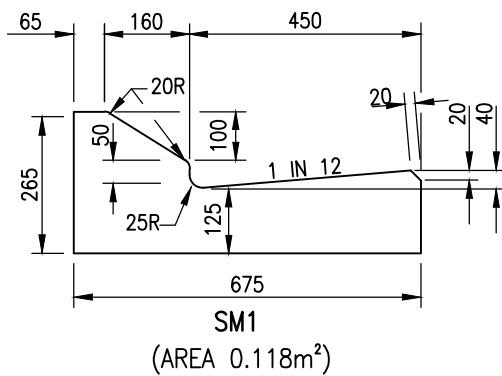
Approved For Release
General Manager Design or Delegate

Signed L'O'BRIEN

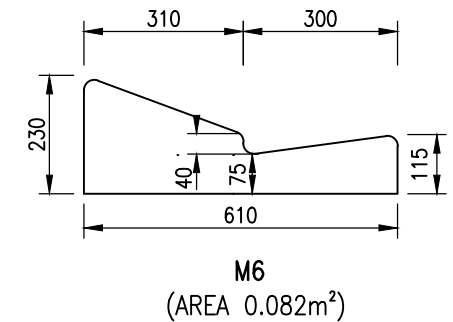
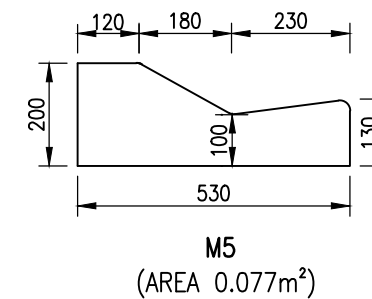
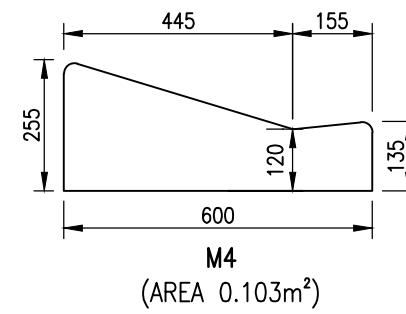
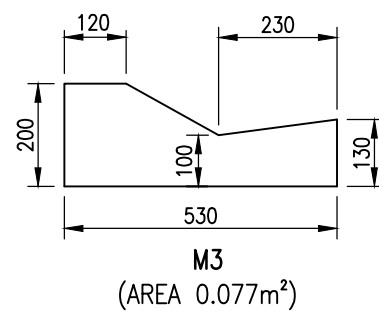
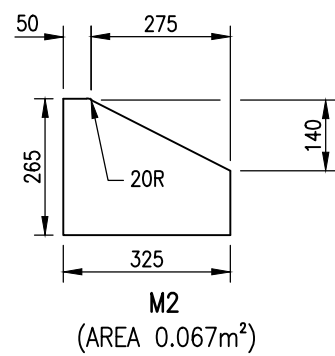
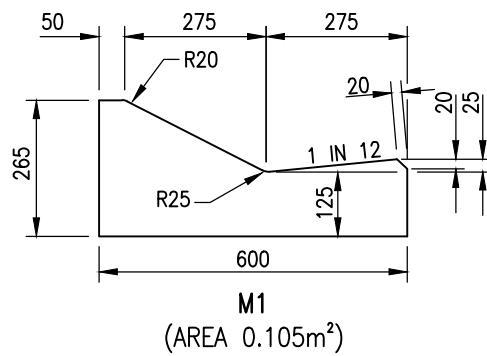
Date 20/04/17



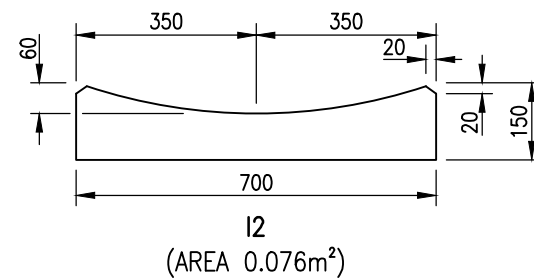
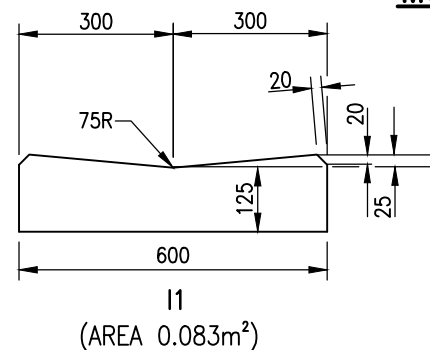
BARRIER TYPES



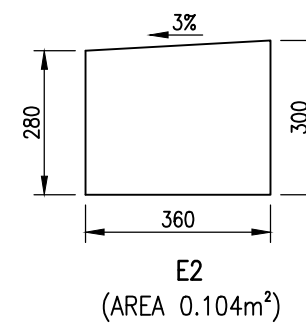
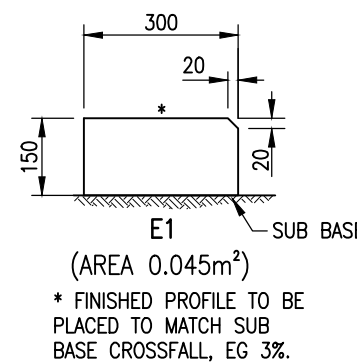
SEMI-MOUNTABLE TYPES



MOUNTABLE TYPES



INVERT TYPES



EDGE RESTRAINT TYPES (FLUSH KERB)

NOTES:

1. KERB TYPE M1 OR B1 TO BE USED FOR COUNCIL WORKS UNLESS NOTED OTHERWISE.
2. TYPE M5 MAY BE USED IN TRAFFIC CALMED STREETS WITH SPEED ENVIRONMENT LESS THAN 40KM/H
3. SET OUT POINT IS TO BE INVERT OF CHANNEL (FACE OF KERB) UNLESS NOTED OTHERWISE.
4. ROAD WIDTHS ARE TO INVERT OF CHANNEL OR FRONT FACE OF E1, E2.
5. CONSTRUCTION MATERIALS SHALL COMPLY WITH AS 2876 EXCEPT FOR DIMENSIONS ON THIS DRAWING.
6. ALL CONCRETE N32 MINIMUM IN ACCORDANCE WITH AS 1379 AND AS 3600.
7. CONTROL JOINTS SHALL BE AT 3m CENTRES.

AMENDMENTS	DESCRIPTION	APPROVED	DATE
D	REVIEW	GLENN ALEXANDER	04/17
C	REVIEW	LAWRY O'BRIEN	03/12
B	REVIEW		
A	Original Issue		

NOT TO SCALE

SCALES m. FULL SIZE A3



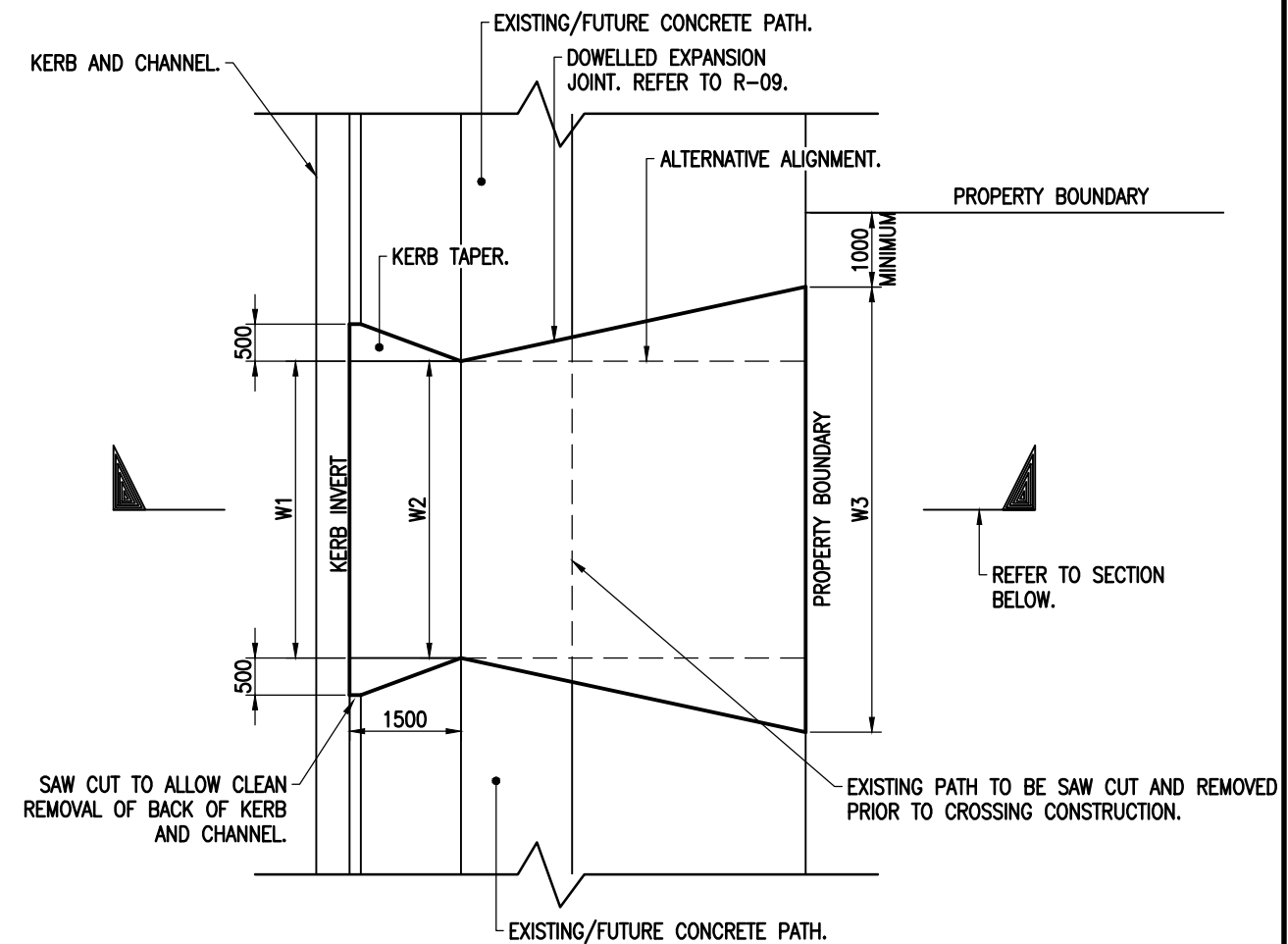
GYMPIE REGIONAL COUNCIL
242 Mary Street
GYMPIE Qld 4570
E-mail : council@gympie.qld.gov.au
Phone 1300 307 800
Fax (07) 54810 801

Datum	Drawn	J.G.	04/17	Plan Description
Surv No.	Designed	-	-	
Date	Checked	G.A.	04/17	
Tech File	Approved	GALEXANDER	19/04/17	
		R.P.E.Q. 14933		

GYMPIE REGIONAL COUNCIL STANDARD DRAWING
KERB AND CHANNEL
PROFILES AND DIMENSIONS
INCLUDING EDGE RESTRAINTS, MEDIAN AND INVERT

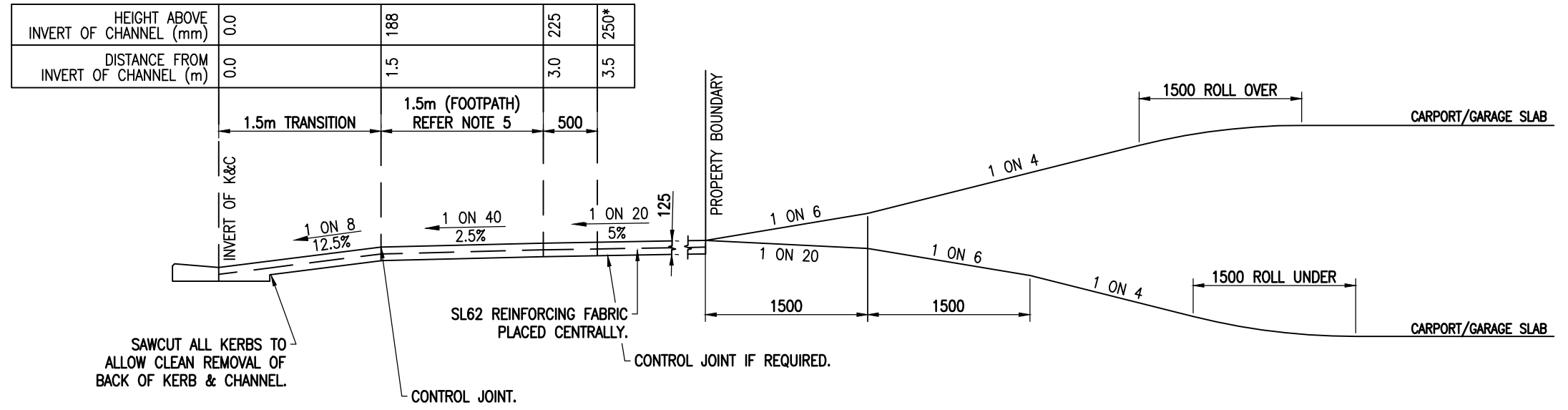
Auxiliary Plans	DRAWING NO
-	R-01
Job Number	SHEET OF
-	1 1
Construction Date	
-	

WIDTH OF DRIVEWAYS						
	TYPE	DESCRIPTION	MAXIMUM WIDTH (W1)	MINIMUM WIDTH (W1)	MINIMUM WIDTH (W2)	MAXIMUM WIDTH AT PROPERTY BOUNDARY (W3)
DWELLING HOUSE	1	SINGLE GARAGE ACCESS	6.0m	3.0m	3.0m	3.0m
	2	DOUBLE GARAGE ACCESS	6.0m	3.0m	3.0m	6.0m
	3	3 OR MORE ACCESS UNITS	6.0m	3.0m	5.0m	6.0m



PLAN - DRIVEWAY SLAB

SETOUT REQUIREMENTS



TYPICAL PROFILE DRIVEWAY ACCESS

NOTES:

- SERVICES & ROAD FURNITURE WILL NOT BE MOVED FOR DRIVEWAYS.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH R-02
 - DRIVEWAYS AND CROSSOVERS IN URBAN AREAS HAVING A FRONTAGE OF:
 - LESS THAN 40m - ONE CROSSOVER IS PROVIDED #
 - MORE THAN 40m- NO MORE THAN TWO CROSSOVERS ARE PROVIDED AND THE CROSSOVERS ARE SEPARATED BY 12m (MIN) #
 - FOR THE PURPOSE OF THE DRAWING ONLY A "DWELLING HOUSE" INCLUDES A DUPLEX UNIT AND A PROPERTY COMPRISING THREE OR LESS DOMESTIC UNITS.
 - FOOTPATH ZONE WIDTH MAY VARY TO MATCH EXISTING CONCRETE PATHWAYS AND VERGE PROFILES. PATH EARTHWORKS ADJOINING CONCRETE MUST BE WELL COMPACTED.
- # RESTRICTIONS MAY BE REMOVED/REDUCED DUE TO EXISTING SITE CONDITIONS/CONSTRAINTS AND MUST BE APPROVED BY COUNCIL ENGINEER.
- * DRIVEWAYS MUST ACHIEVE A HIGH POINT OF 250mm ABOVE INVERT OF KERB TO ENSURE STORMWATER IS CONTAINED WITHIN ROAD RESERVE AS PER REQUIREMENT OF QUDM (QUEENSLAND URBAN DRAINAGE MANUAL). THIS CONSTRAINT MAY BE VARIED UPON APPROVAL FROM COUNCIL ENGINEER.

AMENDMENTS	DESCRIPTION	APPROVED	DATE
D	REVIEW	GLENN ALEXANDER	04/17
C	REVIEW	LAWRY O'BRIEN	03/12
B	REVIEW		
A	Original Issue		

NOT TO SCALE
 FULL SIZE A3
 SCALES m.

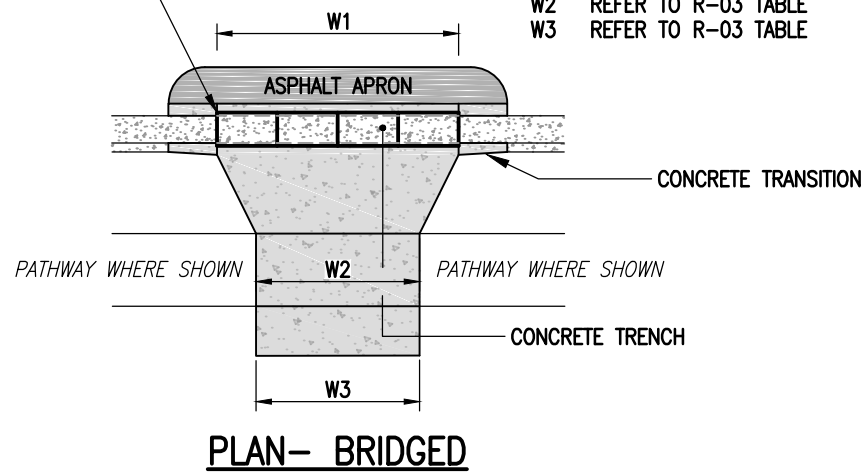
GYMPIE REGIONAL COUNCIL
 242 Mary Street
 GYMPIE Qld 4570
 E-mail : council@gympie.qld.gov.au
 Phone 1300 307 800
 Fax (07) 54810 801

Datum	-	Drawn	J.G.	04/17
Surv No.	-	Designed	-	-
Date	04/17	Checked	G.A.	04/17
Tech File	-	Approved	G.ALEXANDER	19/04/17
			R.P.E.Q. 14933	

Plan Description
GYMPIE REGIONAL COUNCIL STANDARD DRAWING
INVERT CROSS OVER
 DRIVEWAY SLAB
 DWELLING HOUSE TYPE

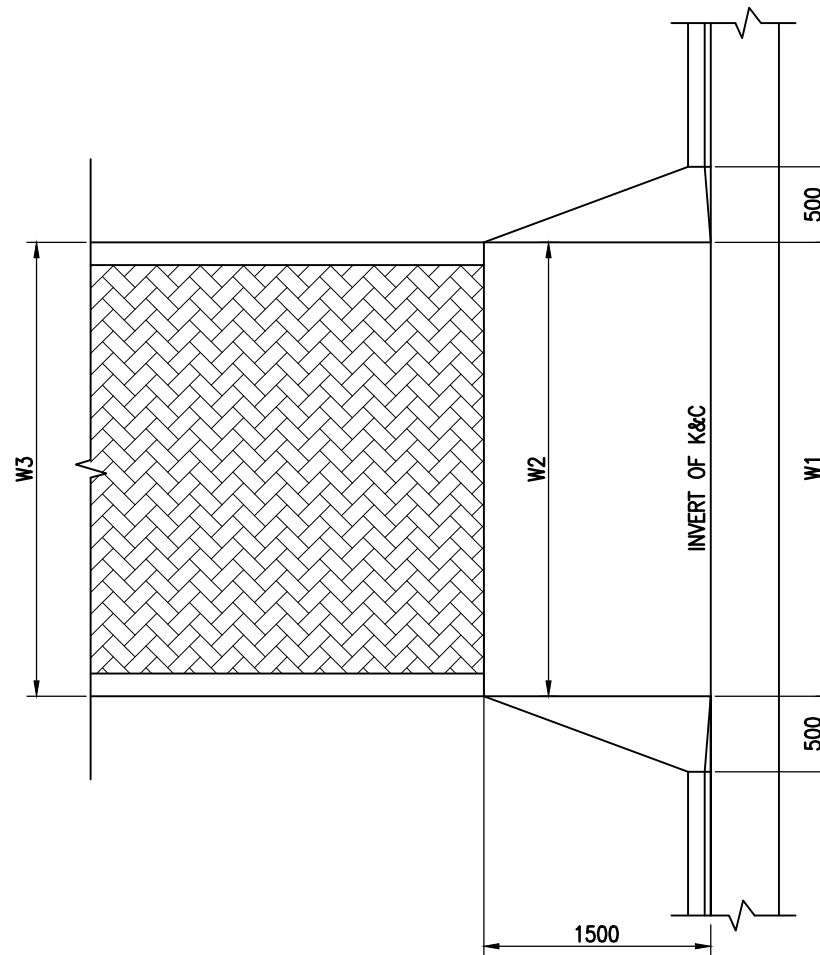
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-	R-03	
Job Number	SHEET	OF
-	1	1
Construction Date	18/04/17	
-	REV 07/12	

NOMINAL 450mm WIDE CLASS C TRENCH GRATE.

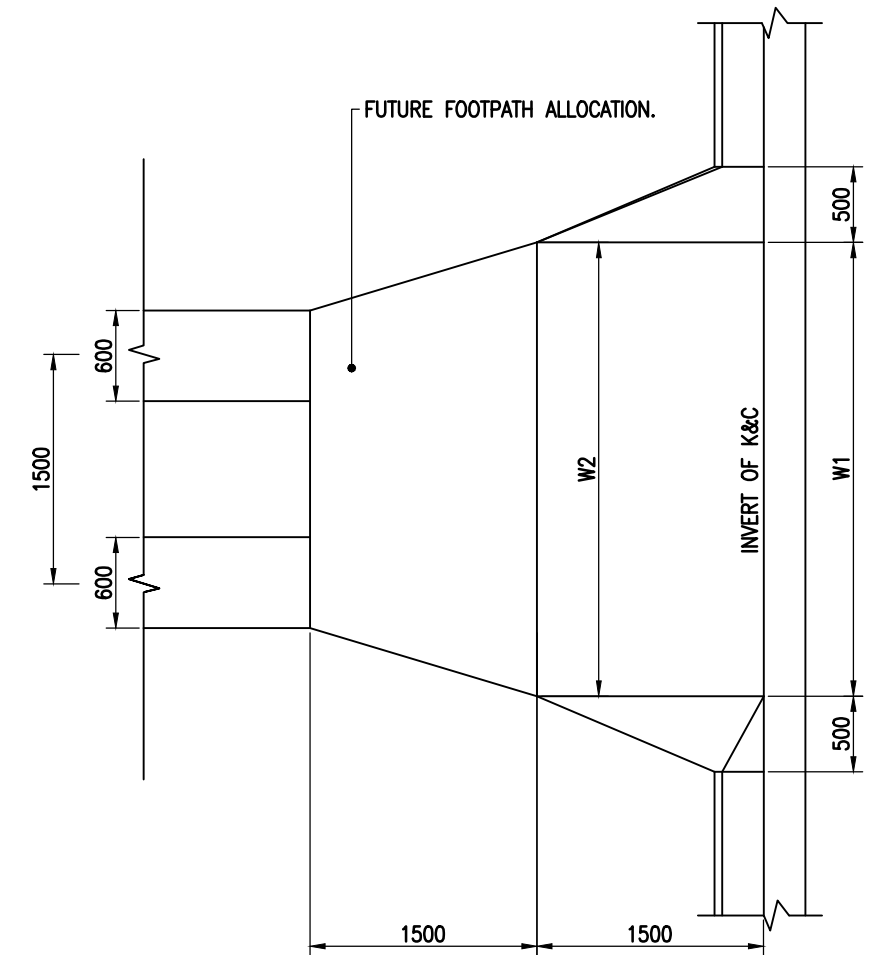


PLAN - BRIDGED

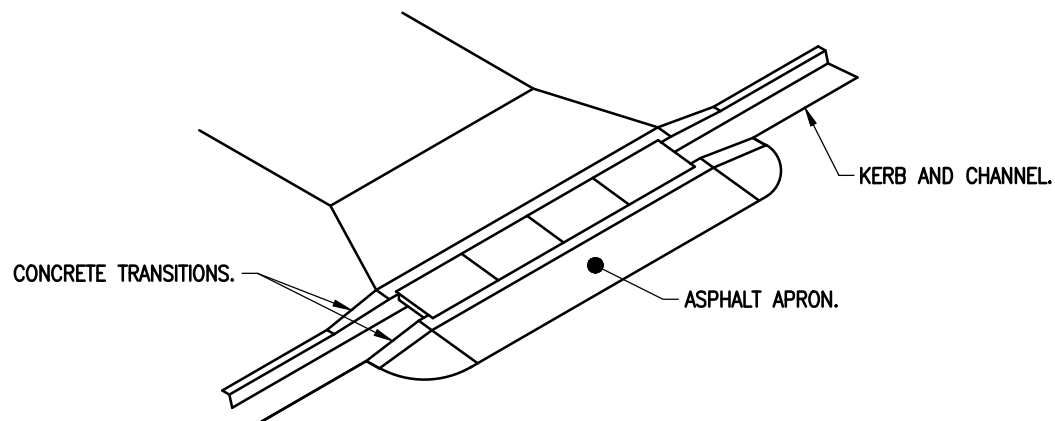
W1 REFER TO R-03 TABLE
W2 REFER TO R-03 TABLE
W3 REFER TO R-03 TABLE



PLAN - DRIVEWAY SLAB (PAVED)

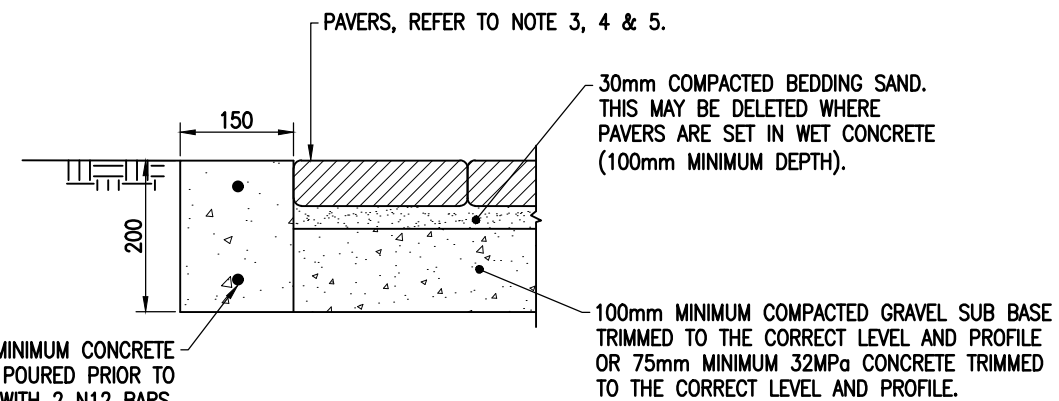


PLAN - DRIVEWAY TRACKS

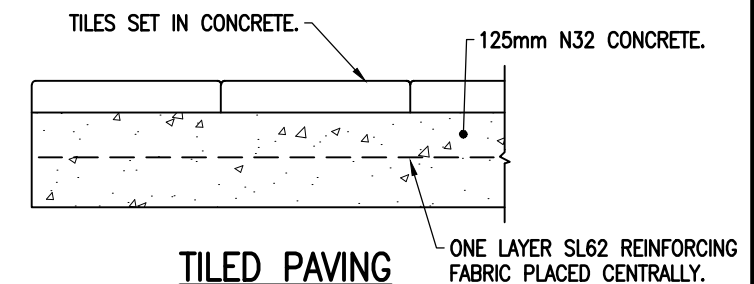


BRIDGED PROPERTY ACCESS PICTORIAL VIEW

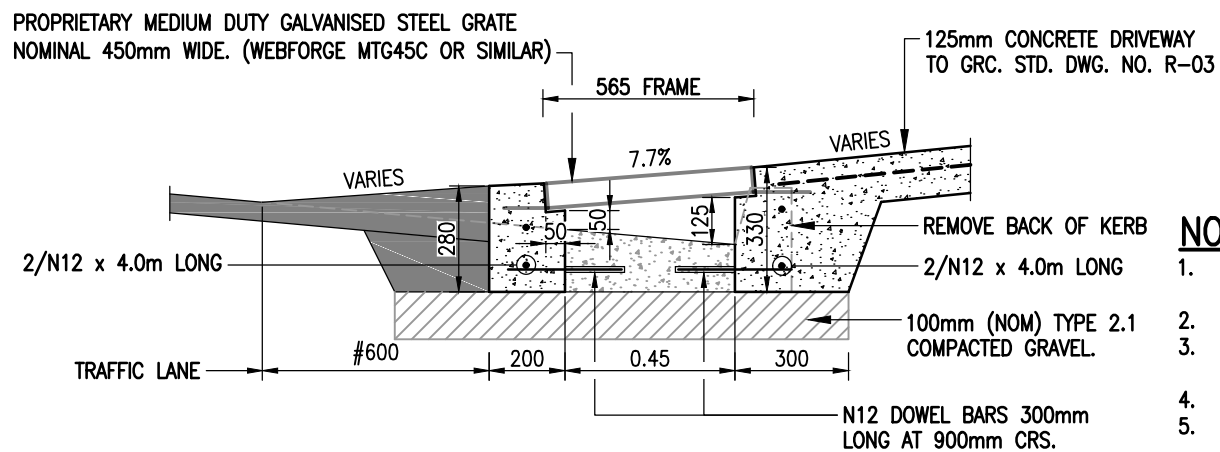
DWELLING HOUSE TYPE ALTERNATIVES



SEGMENTAL PAVING



TILED PAVING



SECTION - BRIDGED

NOTES:

- BRIDGED PROPERTY ACCESS MAY BE USED WHERE A STANDARD INVERT CROSS OVER IS NOT ACHIEVABLE AND MUST BE APPROVED BY COUNCIL ENGINEER.
- SCRIBE SHRINKAGE JOINTS AT MINIMUM 1.5m SPACING IN CONCRETE TRACKS.
- PAVER MAY BE 60mm MINIMUM DENTATED INTERLOCKING CONCRETE PAVERS, 75mm MINIMUM RECTANGULAR CONCRETE PAVERS OR 75mm MINIMUM CLAY BRICK PAVERS.
- PAVING SHALL BE TO A SMOOTH PROFILE WITH EDGES MATCHING ADJACENT SURFACES.
- PAVERS SHALL COMPLY WITH RELEVANT AUSTRALIAN STANDARDS AND SHALL BE CONSTRUCTED TO ACHIEVE MAXIMUM INTERLOCK.
- ALL DIMENSIONS IN MILLIMETRES UNLESS SHOWN OTHERWISE.
- WHEN DESIGNING BRIDGED DRIVEWAY CONSIDER EFFECTIVE OPENING FOR CHILD SAFETY (QUDM 7.4.2(a) & 7.5.3 (f)). ITS ASSUMED THIS WOULD BE VERY LOW RISK & NOT APPLICABLE.
- TO BE READ IN CONJUNCTION WITH STD DRAWING NO. R-02 & R-03
- # NOT TO EXTEND BEYOND MINIMUM 3.0m TRAFFIC LANE.

AMENDMENTS	DESCRIPTION	APPROVED	DATE
D	REVIEW	GLENN ALEXANDER	04/17
C	REVIEW	LAWRY O'BRIEN	03/12
B	REVIEW		
A	Original Issue		

NOT TO SCALE

SCALES m. FULL SIZE A3



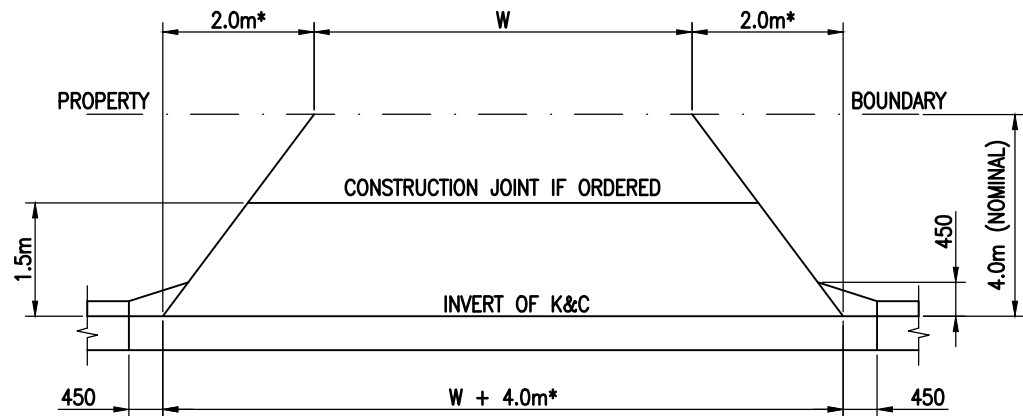
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Phone 1300 307 800
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Tech File	Approved	G.ALEXANDER	19/04/17
		R.P.E.Q. 14933	

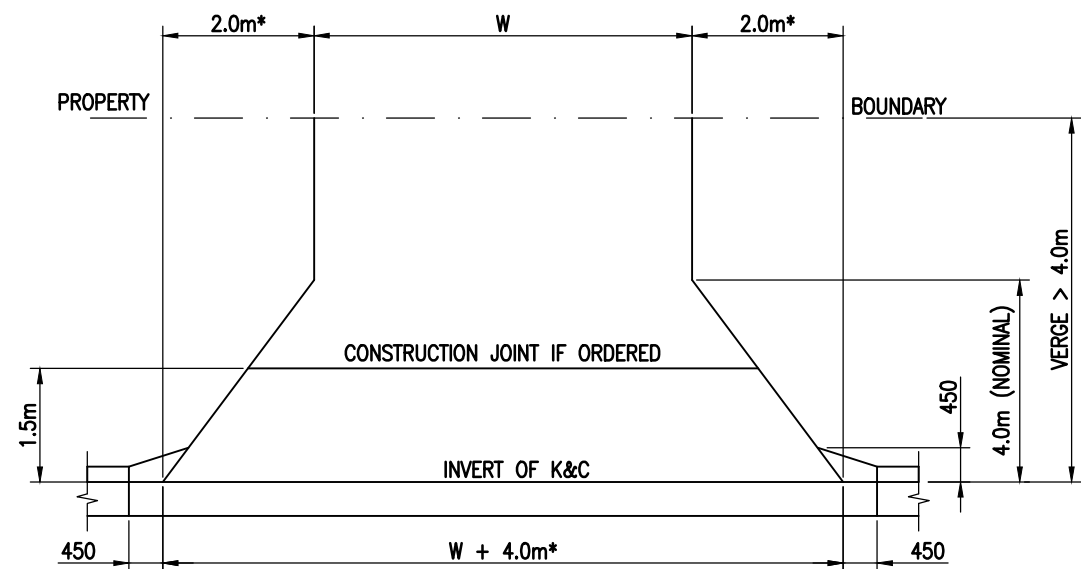
Plan Description

GYMPIE REGIONAL COUNCIL STANDARD DRAWING
INVERT CROSS OVER
DRIVEWAY TRACKS, PAVERS OR BRIDGE
DWELLING HOUSE TYPE

Auxiliary Plans	DRAWING NO	
-	R-04	
Job Number	SHEET	OF
-	1	1
Construction Date	18/04/17	

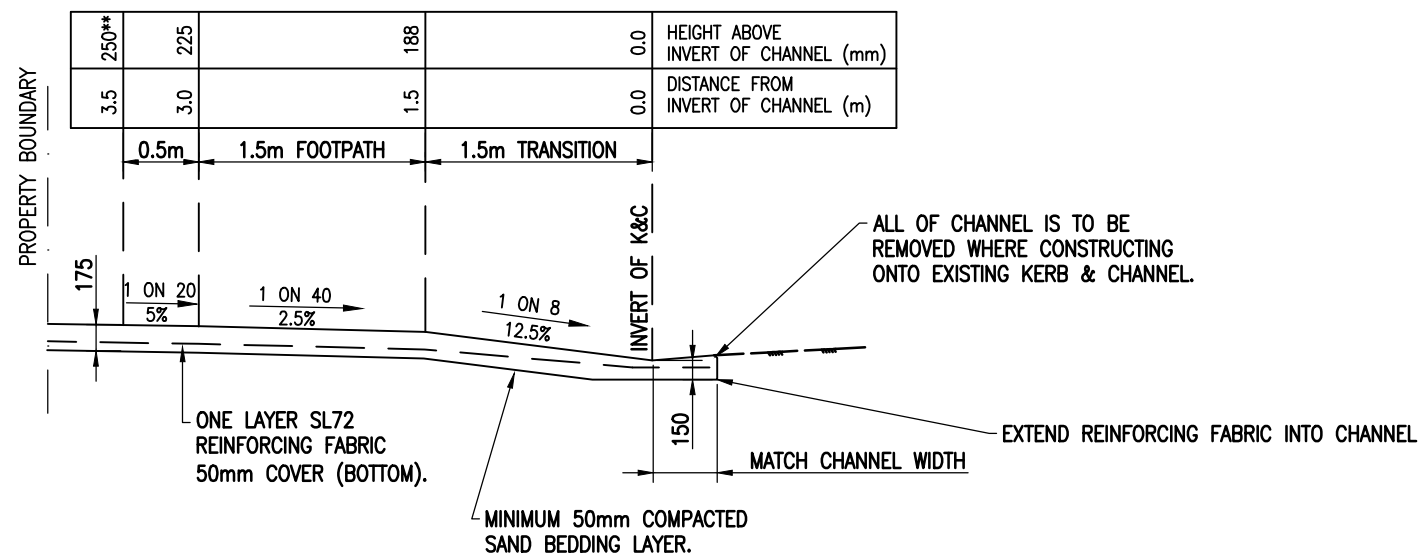


PLAN - NOMINAL 4.0m VERGE



PLAN - > 4.0m VERGE

- * FOR COMMERCIAL USE WITH CAR TRAFFIC SOLELY, DIMENSION CAN BE REDUCED TO 1.0m (W + 2.0m ALONG CHANNEL). REFER TO NOTE NO. 4.
- ** DRIVEWAYS MUST ACHIEVE A HIGH POINT OF 250mm ABOVE INVERT OF KERB TO ENSURE STORMWATER IS CONTAINED WITHIN ROAD RESERVE AS PER REQUIREMENT OF QUDM (QUEENSLAND URBAN DRAINAGE MANUAL). THIS CONSTRAINT MAY BE VARIED UPON APPROVAL FROM COUNCIL ENGINEER.

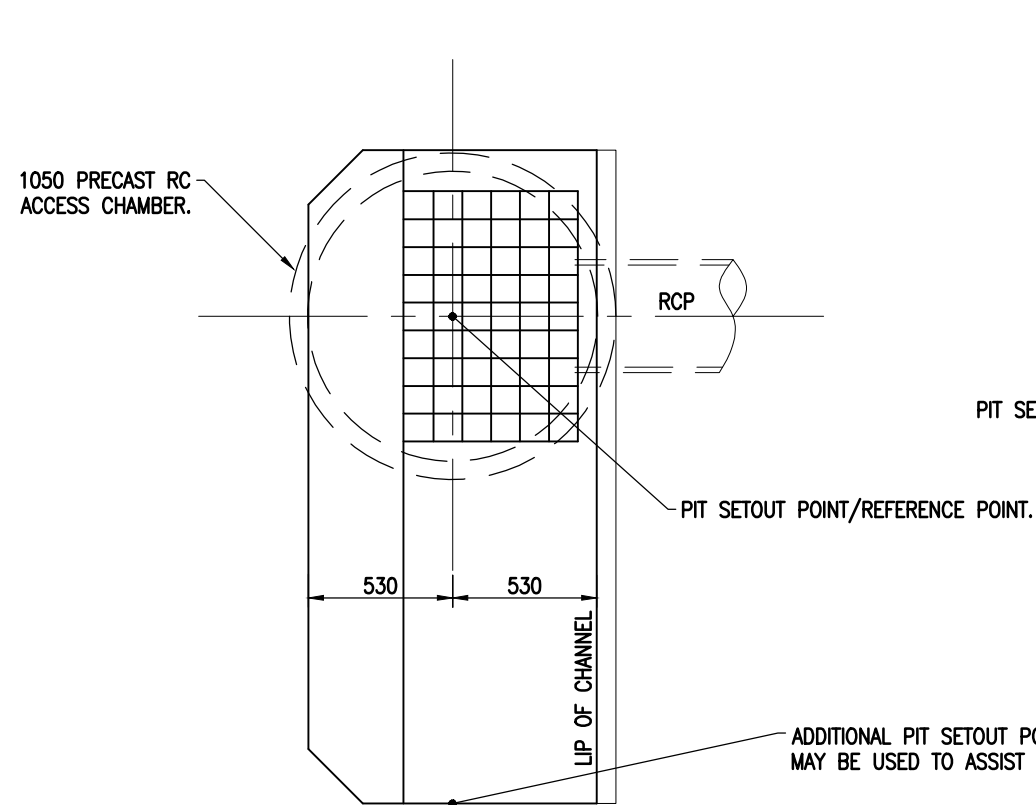


DRIVEWAY PROFILE

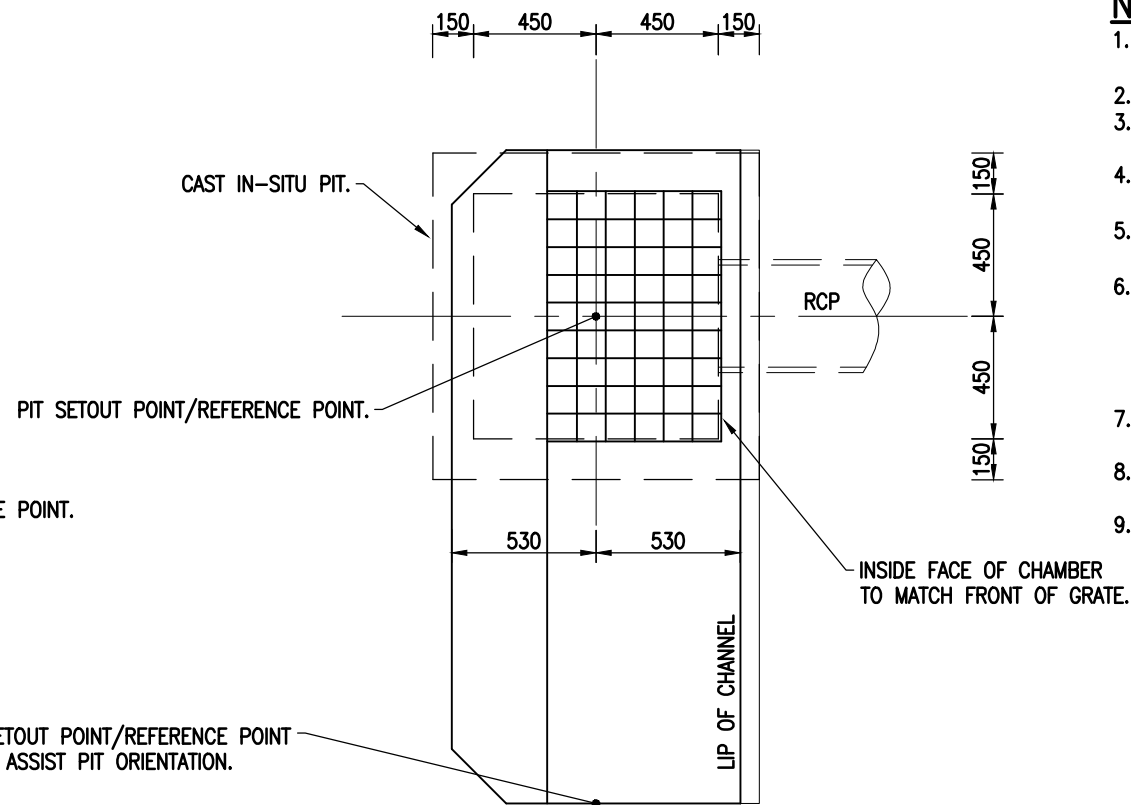
NOTES:

1. ALL CONCRETE TO BE GRADE N32 IN ACCORDANCE WITH AS 1379.
2. REINFORCING FABRIC SHALL BE FULLY LAP JOINTED.
3. DEPTHS OF CONCRETE AND REINFORCING STEEL SHOWN ARE THE MINIMUM REQUIREMENTS FOR GOOD FOUNDATION CONDITIONS AND AVERAGE TRAFFIC LOADING. WHERE THIS DOES NOT APPLY DEPTHS OF CONCRETE AND REINFORCING SHALL BE INCREASED ACCORDINGLY.
4. DIMENSION 'W' SHALL BE TO COUNCIL APPROVAL. REFER TO AS 2890.2.
5. WHERE DEVELOPMENT APPROVAL DOES NOT REQUIRE ACCESS ONTO PROPERTY BY GARBAGE TRUCK OR SIMILAR HEAVY VEHICLE, SLAB THICKNESS MAY BE REDUCED TO 150mm. FOR SOLELY CAR USE, SLAB THICKNESS MAY BE REDUCED TO 125mm.
6. ALL ADJACENT ASPHALT OR CONCRETE SURFACES & PAVEMENTS TO BE SAW CUT.
7. REFER TO GRC STD DWG NO. R-02 FOR PROHIBITED LOCATIONS OF DRIVEWAYS.
8. ALL APPROPRIATE PERMITS/APPROVALS MUST BE OBTAINED FROM COUNCIL, INCLUDING APPROVAL OF LOCATION AND LEVELS PRIOR TO EXCAVATION.
9. VALVES AND HYDRANTS LOCATED WITHIN DRIVEWAYS SHALL HAVE HDPE SURROUND OR EQUIVALENT PLACED BETWEEN THE SERVICE BOX AND THE CONCRETE.
10. FOR GRADES ON DRIVEWAYS THAT GO ACROSS VERGE INTO PROPERTY REFER TO AS2890.1 SECTION 3.3.
11. MAINTENANCE OF THE CROSSINGS ARE THE RESPONSIBILITY OF THE PROPERTY OWNER.

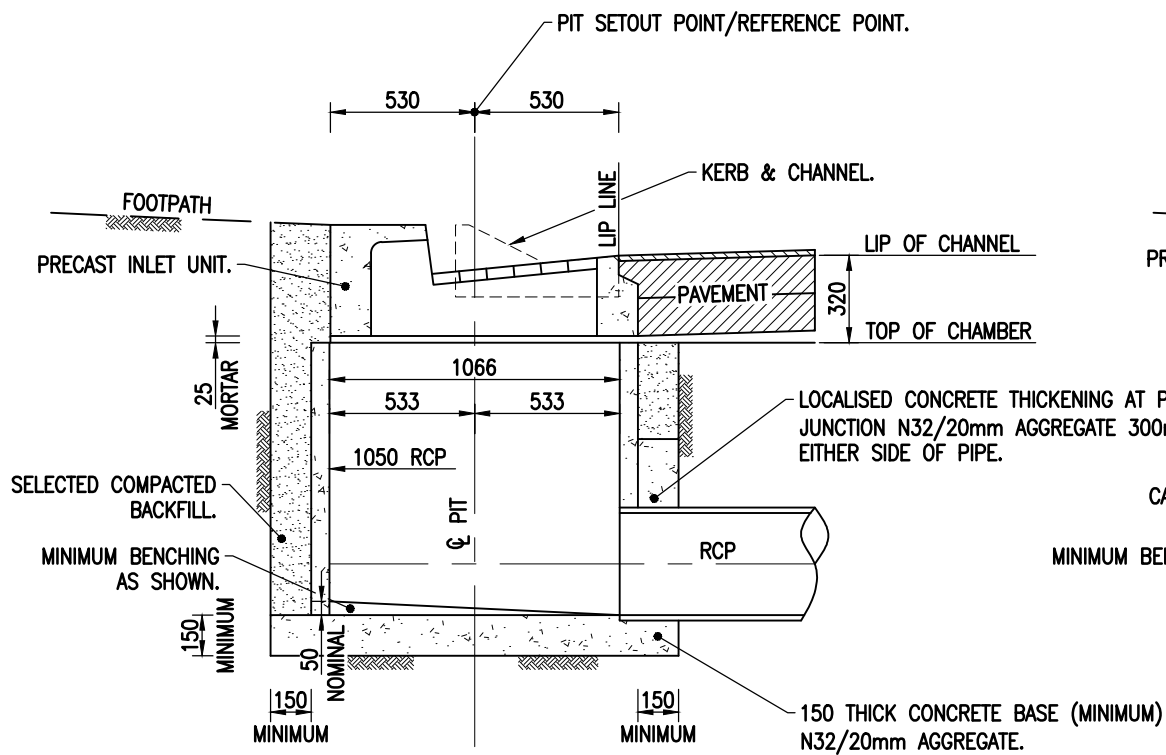
AMENDMENTS DESCRIPTION	APPROVED	DATE	NOT TO SCALE		GYMPIE REGIONAL COUNCIL		Datum	-	Drawn	J.G.	04/17	Plan Description	Auxiliary Plans	DRAWING NO	
D REVIEW	GLENN ALEXANDER	04/17	FULL SIZE A3		GYMPIE REGIONAL COUNCIL 242 Mary Street GYMPIE Qld 4570 E-mail : council@gympie.qld.gov.au Phone 1300 307 800 Fax (07) 54810 801	Surf No.	-	Designed	-	-	-	GYMPIE REGIONAL COUNCIL STANDARD DRAWING INVERT CROSS OVER CONCRETE DRIVEWAY COMMERCIAL TYPE	-	SHEET	OF
C REVIEW	LAWRY O'BRIEN	03/12				Date	04/17	Checked	G.A.	04/17	1		1		
B REVIEW						Tech File	-	Approved	G.ALEXANDER	19/04/17	1		1		
A Original Issue			SCALES m.					R.P.E.Q. 14933							



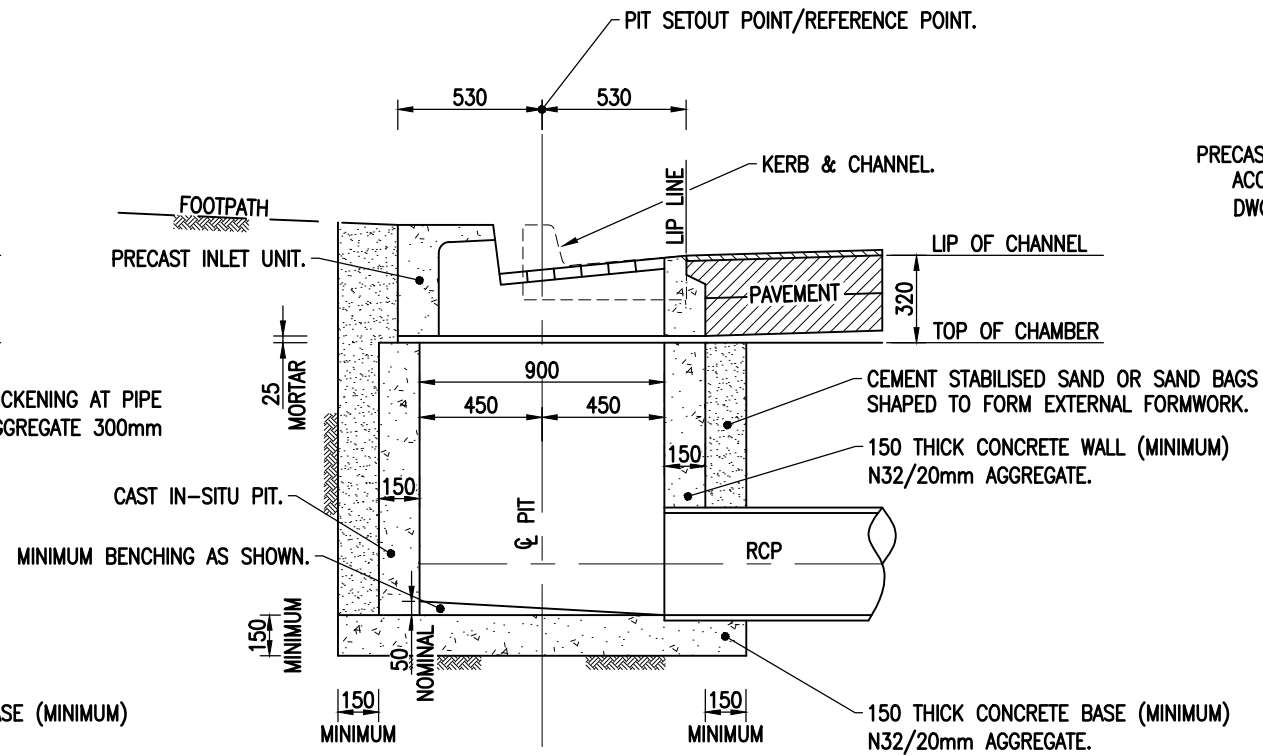
PLAN - PRECAST INLET UNIT
(WITH 1050 RCP SHAFT)



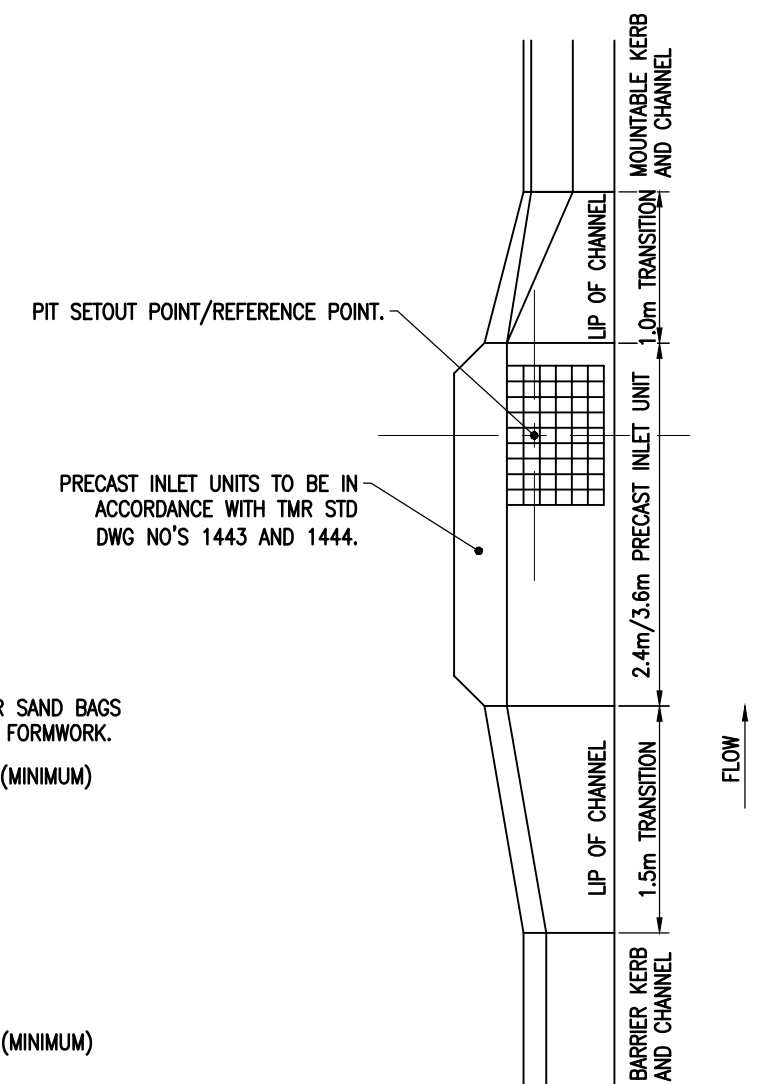
PLAN - PRECAST INLET UNIT
(WITH 900x900 IN-SITU PIT)



SECTIONAL ELEVATION
(WITH 1050 RCP SHAFT)



SECTIONAL ELEVATION
(WITH 900x900 IN-SITU PIT)



PRECAST INLET UNIT CONFIGURATION

NOTES:

1. PRECAST INLET UNITS TO BE 2.4m OR 3.6m CHANNEL LIP IN LINE PROFILE, IN ACCORDANCE WITH TMR STD DWG NO. 1443 & 1444.
2. PIT REFERENCE POINT/SETOUT POINT IS GEOMETRIC CENTRE OF CHAMBER.
3. PIPE ENDS TO BE TRIMMED FLUSH WITH INTERNAL WALL AND REPAIRED SO AS TO PROVIDE REQUIRED CONCRETE COVER TO PIPE REINFORCING.
4. CUT SURFACES OF CONCRETE DRAINAGE COMPONENTS SHALL BE GIVEN TWO COATS OF A TAR EPOXY PAINT.
5. PRECAST RC SHAFTS TO BE USED FOR DEPTHS (LIP OF CHANNEL TO INVERT OF PIT) GREATER THAN 0.9m.
6. THE PLAN OF THE TOP OF PIT IS TO BE CONSTRUCTED AS FOLLOWS:
 - A. LEVEL WHEN MEASURED AT RIGHT ANGLES TO THE LINE OF THE LIP OF CHANNEL.
 - B. TO THE SAME GRADE AS THE LIP OF CHANNEL WHEN MEASURED PARALLEL TO THE LINE OF THE LIP OF CHANNEL.
7. ROUND ENTRANCE TO OUTLET PIPE AT A RADIUS OF ONE-TWELFTH OF THE OUTLET DIAMETER PIPE.
8. WHERE PRACTICAL, DIRECT INLET PIPES TOWARDS THE BARREL OF THE OUTLET PIPE.
9. MINIMUM ACCEPTABLE PIT BENCHING SHOWN. WHERE PRACTICAL, APPLY FULL PIT BENCHING IN ACCORDANCE WITH QUDM.

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D	REVIEW	GLENN ALEXANDER	04/17
C	REVIEW	LAWRY O'BRIEN	03/12
B	REVIEW		
A	Original Issue		

NOT TO SCALE

SCALES m. FULL SIZE A3



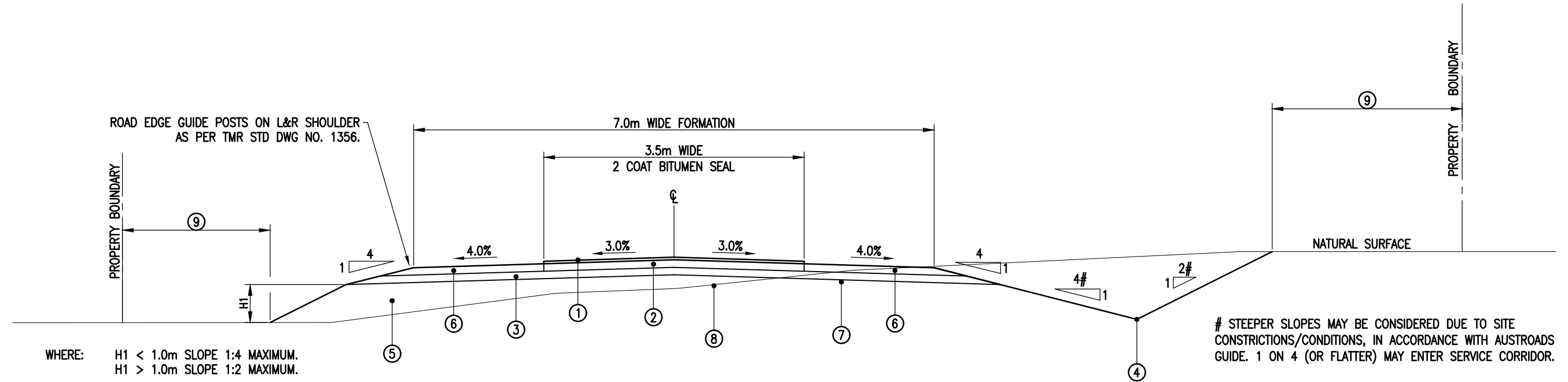
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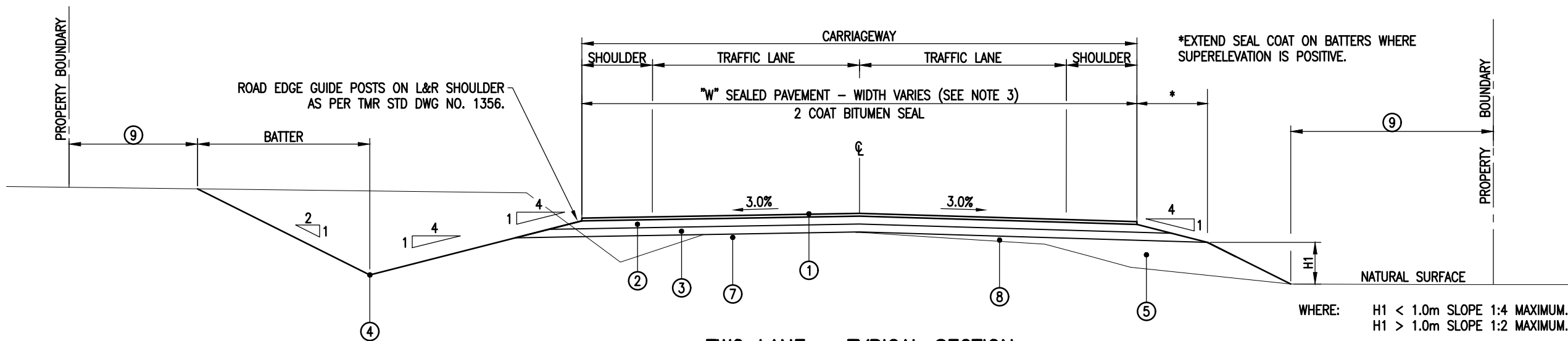
Plan Description

GYMPIE REGIONAL COUNCIL STANDARD DRAWING
DRAINAGE PITS
KERB INLET - LIP IN LINE
INSTALLATION DETAILS

Auxiliary Plans	DRAWING NO	
-	R-06	
Job Number	SHEET	OF
-	1	1
Construction Date		
-	A B C D	



SINGLE LANE – TYPICAL SECTION



TWO LANE – TYPICAL SECTION

LEGEND

- ① 2 COAT BITUMEN SEAL (SINGLE COAT IF APPROVED BY THE DIRECTOR OF INFRASTRUCTURE SERVICES).
- ② 100mm DEPTH BASE COURSE (MINIMUM) AS SPECIFIED.
- ③ 100mm DEPTH SUBBASE (MINIMUM) AS SPECIFIED.
- ④ MINIMUM TABLE-DRAIN DEPTH 200mm BELOW SUBGRADE.
- ⑤ FILL MATERIAL WON FROM SITE.
- ⑥ SELECTED SHOULDER MATERIAL AS SPECIFIED.
- ⑦ WHERE SUBGRADE COINCIDES WITH FINISHED STRIPPED SURFACE, IT IS TO BE TYNED AND RECOMPACTED TO ACHIEVE THE SPECIFIED SUBGRADE COMPACTION REQUIREMENT.
- ⑧ 100mm MINIMUM DEPTH OF TOPSOIL TO BE STRIPPED AS SPECIFIED IN C213.07.
- ⑨ 4.0m NOMINAL (3.0m MIN) VERGE WIDTH. 3.0m AT CUL-DE-SAC HEAD. SERVICE CORRIDOR AND ALIGNMENTS AS PER GRC STD DWG NO. R-08. .

NOTES:

- 1. PAVEMENT DEPTH TO BE DETERMINED FOLLOWING IN-SITU SUBGRADE TESTING.
- 2. FOR CURVE WIDENING AND SUPERELEVATION, REFER TO AUSTRROADS.
- 3. CARRIAGEWAY WIDTH IS DETERMINED ON THE ANNUAL AVERAGE DAILY TRAFFIC (ESTIMATED), (NOT APPLICABLE TO DEVELOPMENT WORKS, REFER TO GRC PLANNING SCHEME TABLE SC6.2):

FOR AADT < 400	W = 7.00m
FOR 400 < AADT < 2000	W = 8.00m
FOR AADT > 2000	W = 9.00m
FOR AADT < 50	USE SINGLE LANE
- 4. SINGLE LANE CROSS SECTION NOT APPLICABLE IN DEVELOPMENTS.

AMENDMENTS	DESCRIPTION	APPROVED	DATE
D	REVIEW	GLENN ALEXANDER	04/17
C	REVIEW	LAWRY O'BRIEN	03/12
B	REVIEW		
A	Original Issue		

NOT TO SCALE

SCALES m. FULL SIZE A3



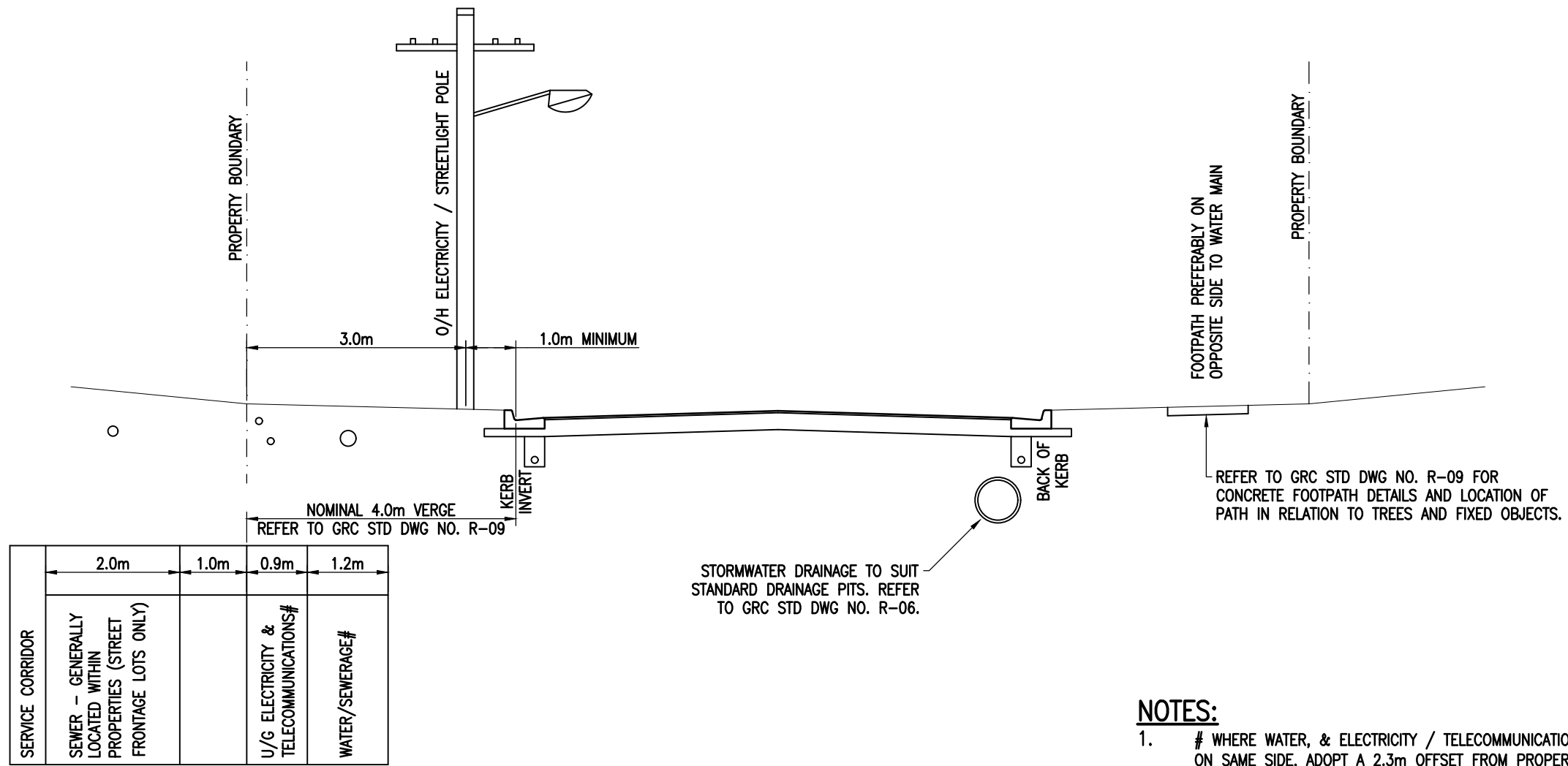
GYMPIE REGIONAL COUNCIL
242 Mary Street
GYMPIE Qld 4570
E-mail : council@gympie.qld.gov.au
Phone 1300 307 800
Fax (07) 54810 801

Datum	-	Drawn	J.G.	04/17
Surv No.	-	Designed	-	-
Date	04/17	Checked	G.A.	04/17
Tech File	-	Approved	GALEXANDER	19/04/17
			R.P.E.Q. 14933	

Plan Description

GYMPIE REGIONAL COUNCIL STANDARD DRAWING
RURAL ROAD
TYPE CROSS SECTION

Auxiliary Plans	-	DRAWING NO	R-07
Job Number	-	SHEET	1
Construction Date	-	OF	1
			1/1



TYPICAL SECTION

AMENDMENTS	DESCRIPTION	APPROVED	DATE
D	REVIEW	GLENN ALEXANDER	04/17
C	REVIEW	LAWRY O'BRIEN	03/12
B	REVIEW		
A	Original Issue		

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SCALES m. FULL SIZE A3



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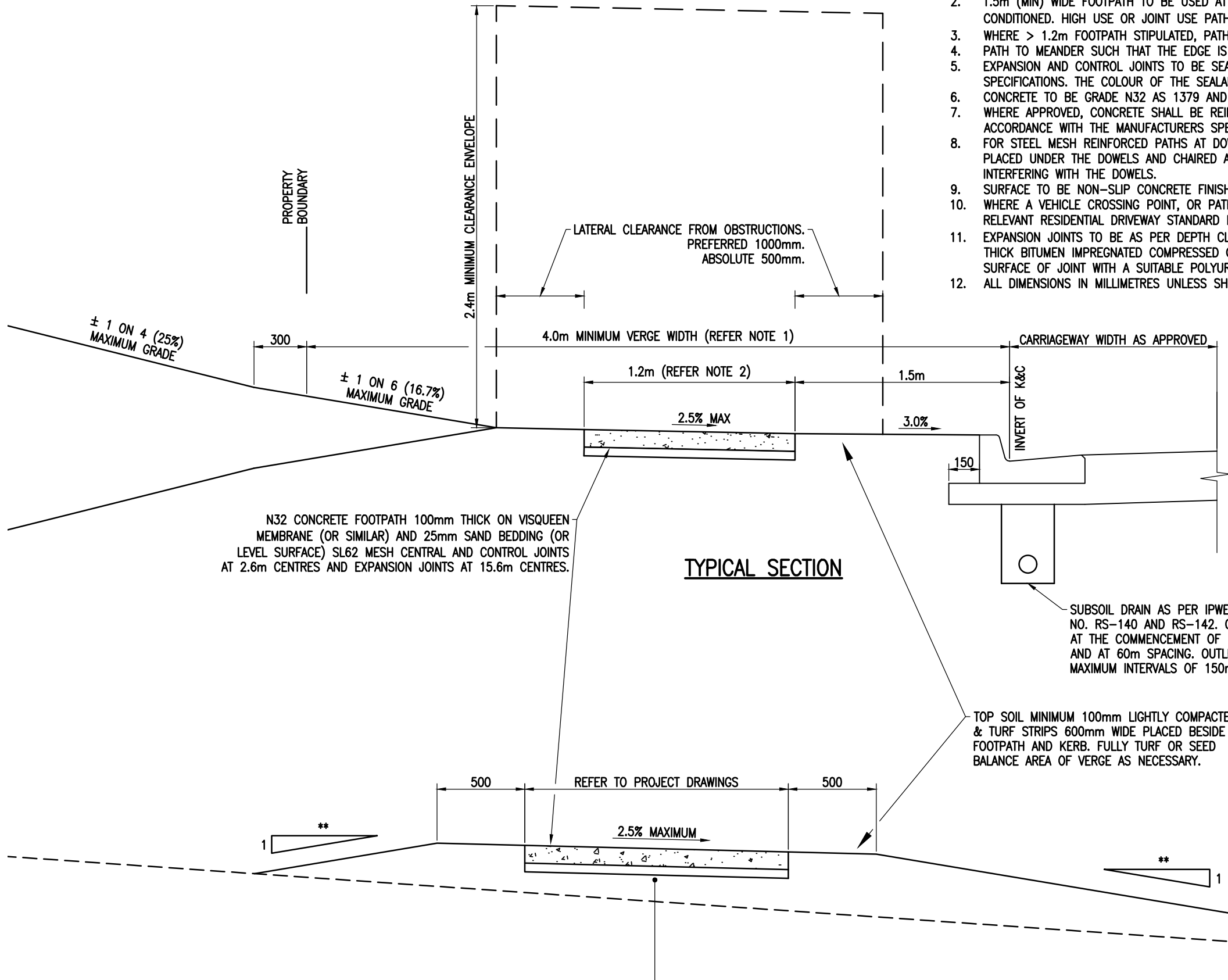
Datum	-	Drawn	J.G.	04/17
Surv No.	-	Designed	-	-
Date	04/17	Checked	G.A.	04/17
Tech File	-	Approved	G.ALEXANDER	19/04/17
			R.P.E.Q. 14933	

Plan Description
GYMPIE REGIONAL COUNCIL STANDARD DRAWING
FOOTPATH ALLOCATION
 TYPICAL SERVICE CORRIDORS AND ALIGNMENTS

Auxiliary Plans	DRAWING NO	
-	R-08	
Job Number	SHEET	OF
-	1	1
Construction Date	Rev Date 07/12	
-	K B D	

NOTES:

- 3.0m ABSOLUTE MINIMUM WIDTH MAY BE APPROVED WHERE CIRCUMSTANCES DICTATE, E.G. HEAD OF CUL-DE-SAC, CBD AREAS ETC. POWER POLE ALIGNMENT TO BE NEGOTIATED BY PROPONENT IN SUCH CIRCUMSTANCES.
- 1.5m (MIN) WIDE FOOTPATH TO BE USED AT TIN CAN BAY, RAINBOW BEACH AND COOLOOLA COVE AND WHEREVER CONDITIONED. HIGH USE OR JOINT USE PATHWAYS TO BE 2.5 (MIN).
- WHERE > 1.2m FOOTPATH STIPULATED, PATHWAY TO MEANDER AROUND POWER POLE/STREETLIGHT POST AT 10.0m RADIUS.
- PATH TO MEANDER SUCH THAT THE EDGE IS MINIMUM 1.0m CLEAR OF CENTRE OF TREES.
- EXPANSION AND CONTROL JOINTS TO BE SEALED WITH A LOW MODULUS SELF PRIMING SEALANT TO THE MANUFACTURERS SPECIFICATIONS. THE COLOUR OF THE SEALANT IS TO MATCH THE ADJOINING SURFACE FINISH.
- CONCRETE TO BE GRADE N32 AS 1379 AND AS 3600.
- WHERE APPROVED, CONCRETE SHALL BE REINFORCED WITH CLASS 2 MACRO STRUCTURAL SYNTHETIC POLYMER FIBRES IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION FOR THE SPECIFIED DESIGN LOAD.
- FOR STEEL MESH REINFORCED PATHS AT DOWELLED EXPANSION JOINTS: MESH IS TO BE STOPPED 75mm FROM THE JOINT, BE PLACED UNDER THE DOWELS AND CHAIRED AT MINIMUM 50mm COVER FROM BOTTOM TO DETER THE MESH DEFLECTION INTERFERING WITH THE DOWELS.
- SURFACE TO BE NON-SLIP CONCRETE FINISH TO AS 1428.1.
- WHERE A VEHICLE CROSSING POINT, OR PATH IS SUBJECT TO LONGITUDINAL TRAFFIC THE PATHWAY DETAILS SHALL BE PER RELEVANT RESIDENTIAL DRIVEWAY STANDARD DETAILS.
- EXPANSION JOINTS TO BE AS PER DEPTH CLOSED CELL CROSS LINKED POLYETHYLENE FOAM (85 - 150 kg/m), OR 8.5mm THICK BITUMEN IMPREGNATED COMPRESSED GRANULATED CORKBOARD, INSTALLATION TO MANUFACTURERS SPECIFICATIONS. SEAL SURFACE OF JOINT WITH A SUITABLE POLYURETHANE SEALANT.
- ALL DIMENSIONS IN MILLIMETRES UNLESS SHOWN OTHERWISE.



AMENDMENTS	DESCRIPTION	APPROVED	DATE
D	REVIEW	GLENN ALEXANDER	04/17
C	REVIEW	LAWRY O'BRIEN	03/12
B	REVIEW		
A	Original Issue		

NOT TO SCALE

SCALES m. FULL SIZE A3

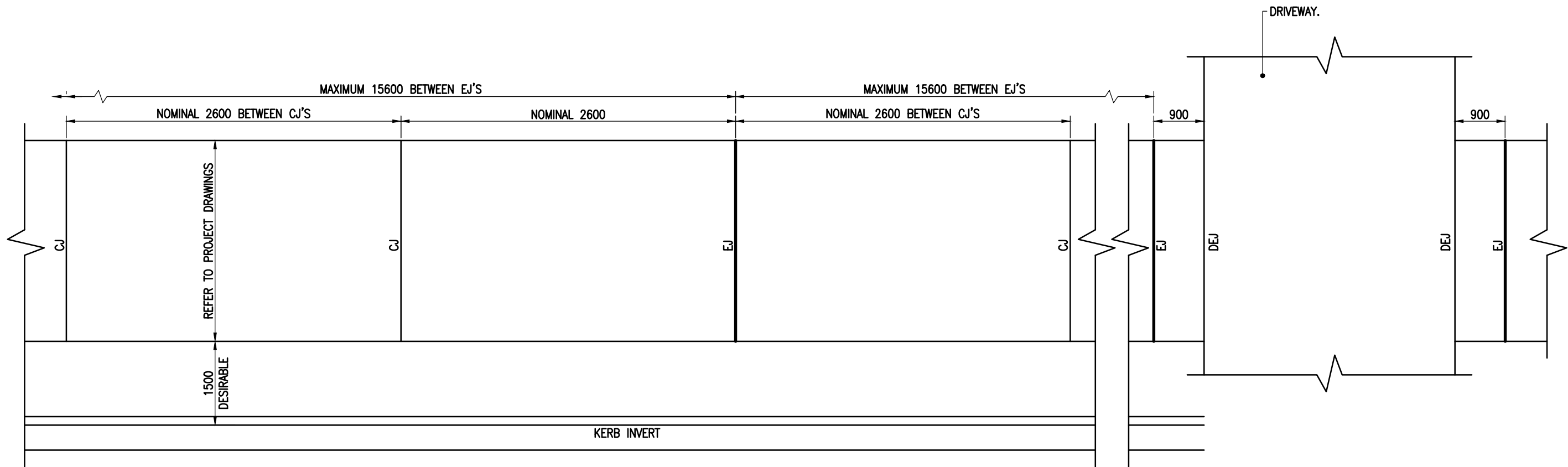
GYMPIE REGIONAL COUNCIL
242 Mary Street
GYMPIE Qld 4570
E-mail : council@gympie.qld.gov.au
Phone 1300 307 800
Fax (07) 54810 801

Datum	-	Drawn	J.G.	04/17
Surv No.	-	Designed	-	-
Date	04/17	Checked	G.A.	04/17
Tech File	-	Approved	G.ALEXANDER	19/04/17
			R.P.E.Q. 14933	

Plan Description

GYMPIE REGIONAL COUNCIL STANDARD DRAWINGS
URBAN STREET
TYPE CROSS SECTION
ROADWAY SECTION AND CONCRETE FOOTPATH DETAILS

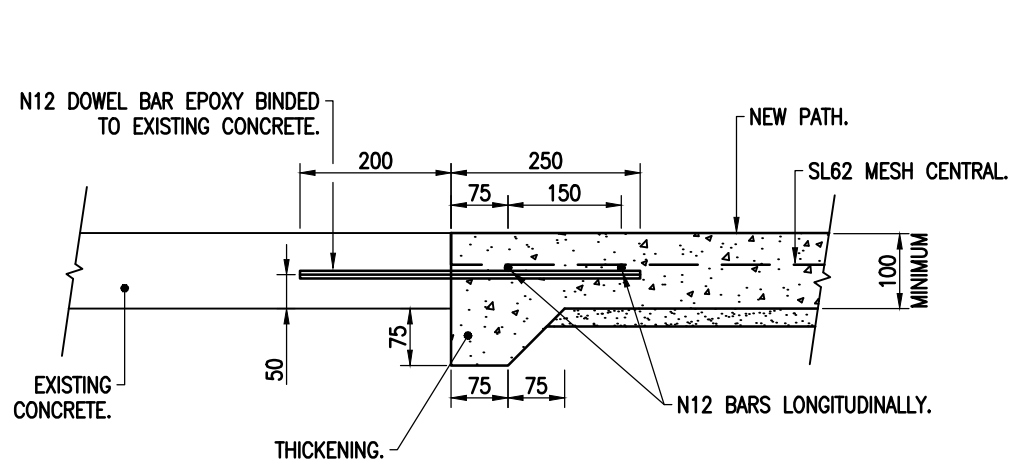
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-	R-09	
Job Number	SHEET	OF
-	1	2
Construction Date		
-	A/B/D	



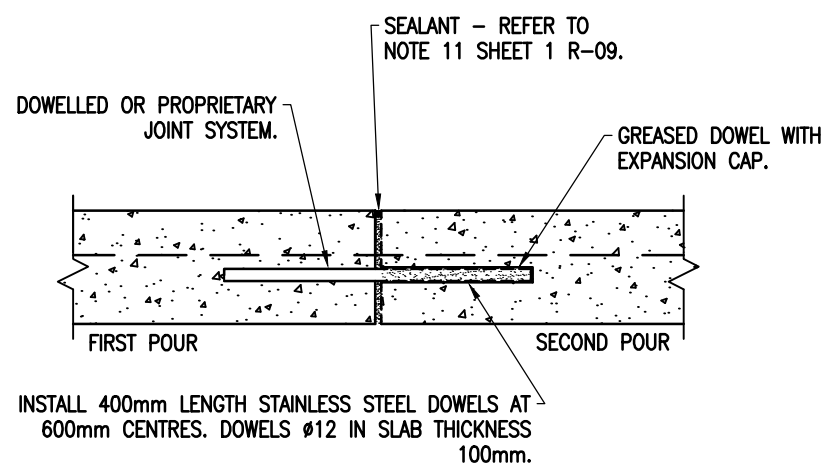
CONCRETE PATHWAYS – PART PLAN

NOTES:

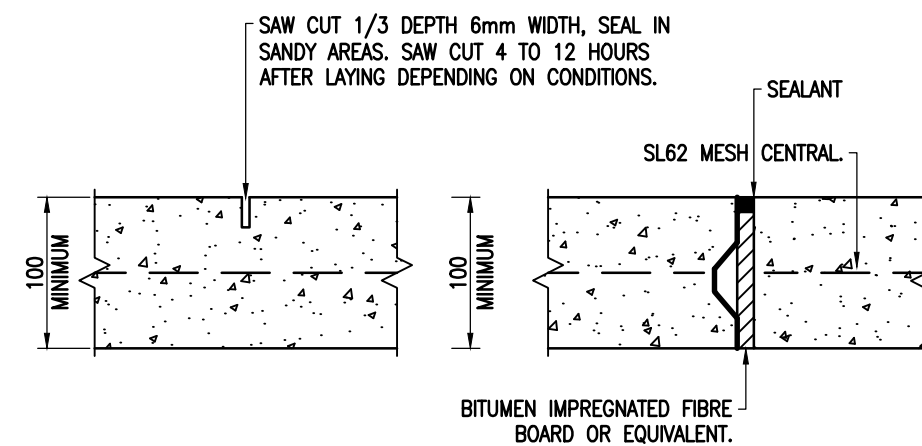
ALL DIMENSIONS IN MILLIMETRES UNLESS SHOWN OTHERWISE.



PATHWAY WIDENING/JOINING
(MINIMUM WIDENING 800mm)



DOWELLED EXPANSION JOINT DETAIL (DEJ)
SHOWN AS DEJ ON PLANS



CONTROL JOINT (CJ)
SHOWN AS C.J. ON PLANS

EXPANSION JOINT (EJ)
SHOWN AS E.J. ON PLANS

AMENDMENTS DESCRIPTION	APPROVED	DATE

NOT TO SCALE

SCALES m. FULL SIZE A3



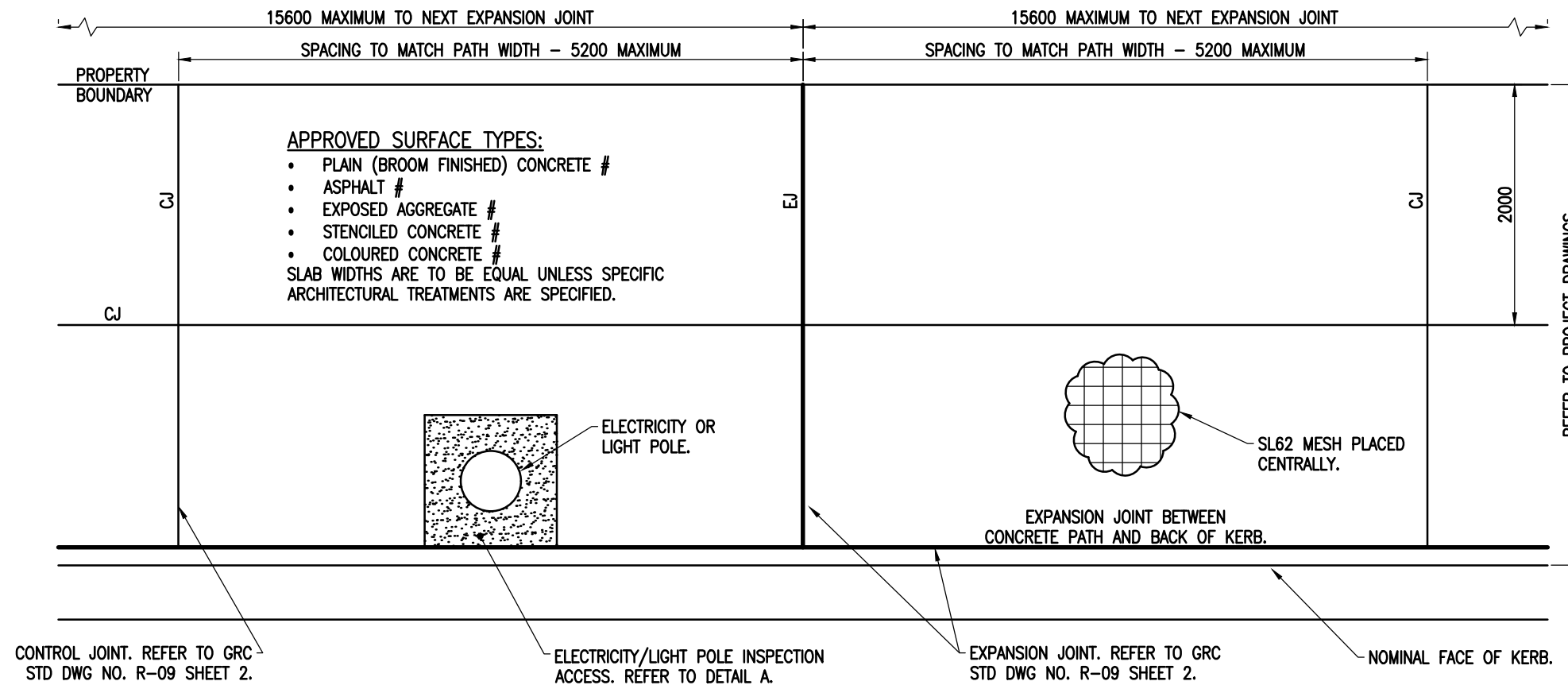
GYMPIE REGIONAL COUNCIL
242 Mary Street
GYMPIE Qld 4570
E-mail : council@gympie.qld.gov.au
Phone 1300 307 800
Fax (07) 54810 801

Datum	-	Drawn	J.G.	04/17
Surv No.	-	Designed	-	-
Date	04/17	Checked	G.A.	04/17
Tech File	-	Approved	G.ALEXANDER	19/04/17
			R.P.E.Q. 14933	

Plan Description

GYMPIE REGIONAL COUNCIL STANDARD DRAWINGS
URBAN STREET
CONCRETE PATHWAY
CONSTRUCTION DETAILS

Auxiliary Plans	DRAWING NO	
-	R-09	
Job Number	SHEET	OF
-	2	2
Construction Date	A	
-		



PLAN

NOTES:

1. ALL WORKMANSHIP AND MATERIALS TO COMPLY WITH AS 3600.
2. PATHS TO COMPLY WITH AUSTRALIAN STANDARDS AND COUNCIL REQUIREMENTS FOR ACCESS AND MOBILITY, PARTICULARLY AS 1428.
3. ALL CONCRETE TO BE MINIMUM GRADE N32.
4. MESH TO BE SUPPORTED ON 60mm BAR CHAIRS. MESH TO OVERLAP MINIMUM 350mm.
5. PATH TO HAVE EVEN CROSSFALL OF 1:40 (2.5%) DOWN TOWARDS KERB (NOMINAL).
6. CONCRETE SHALL BE PLACED IN ALTERNATE PANELS.
7. CONTROL JOINTS PROVIDED IN KERB AND CHANNEL TO ALIGN WITH ALL JOINTING IN FULL WIDTH SLAB.
8. ENSURE STREETScape ELEMENTS ARE CLEANED OF CONCRETE SLURRY OR SPRAY WHEN INSTALLED TO PREVENT STAINING OR DAMAGE TO APPLIED SURFACE.
9. ALL DIMENSION IN MILLIMETRES UNLESS SHOWN OTHERWISE.
10. REFER TO GRC STD DWG NO. R-09 (SHEET 1 AND 2) FOR SLAB THICKNESS, BEDDING, JOINING AND JOINTS.

FINISHES:

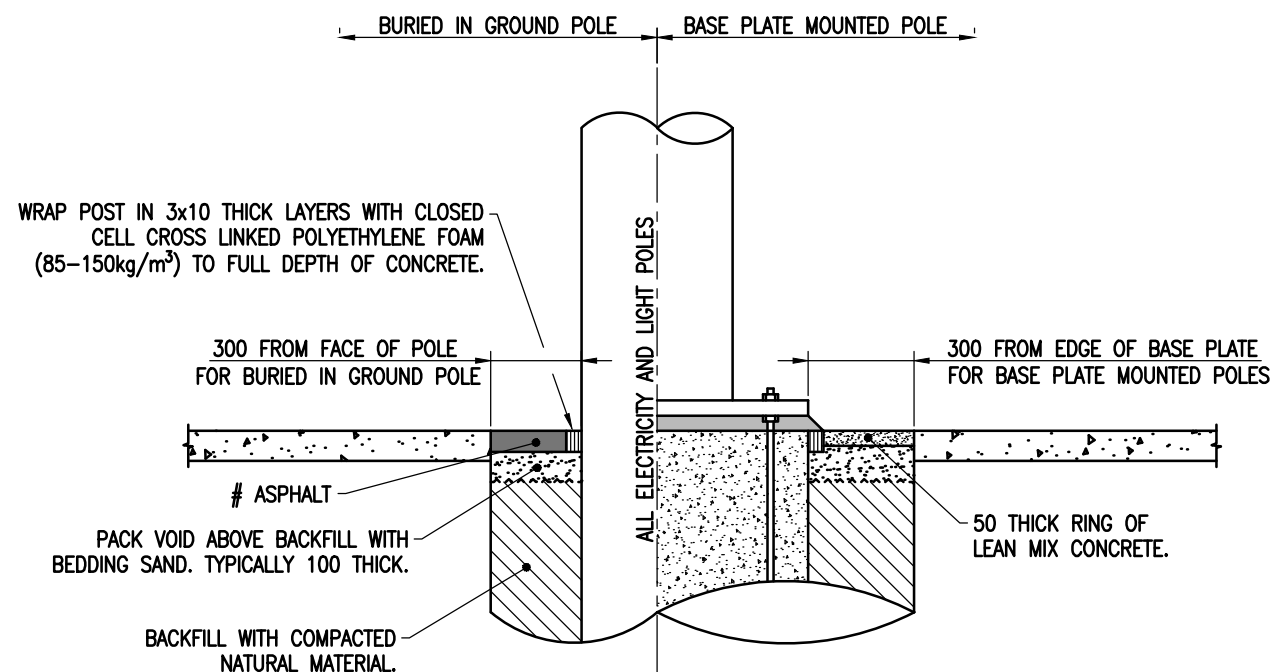
SUBJECT TO COUNCIL APPROVAL IN REFERENCE TO SPECIFIC APPROVED URBAN PALETTE

BROOM FINISH

ENSURE SURFACE HAS A MEDIUM BROOM FINISH PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL TO COMPLY WITH SLIP RESISTANCE REQUIREMENTS.

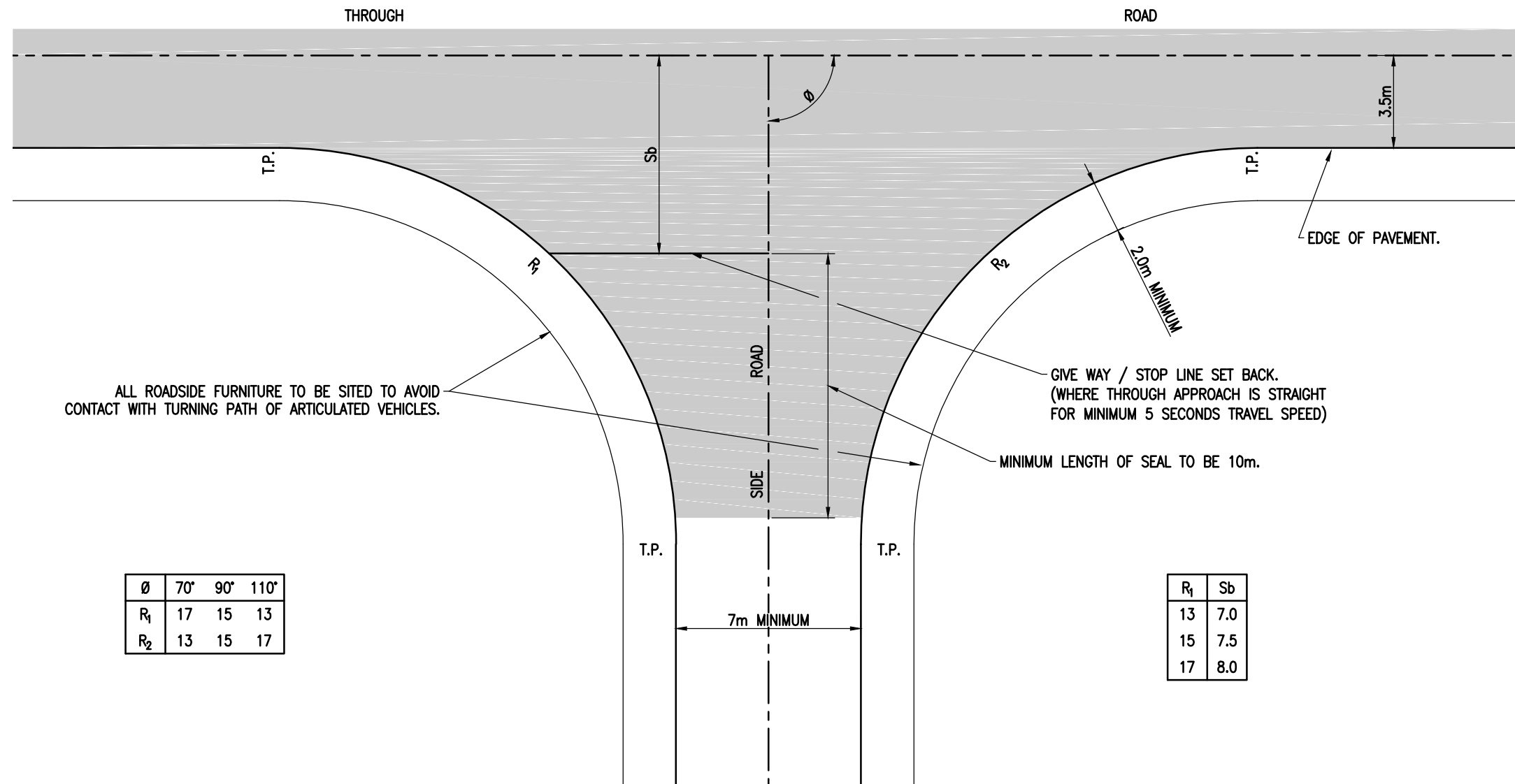
EXPOSED AGGREGATE FINISH

FOR EXPOSED AGGREGATE FINISH, ACID ETCH IN ACCORDANCE WITH CURRENT CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA - INFORMATION SHEET QD-9 'CLEANING OF EXPOSED AGGREGATE SURFACES.' SHOW AT LEAST 80% CLEAN, EVENLY DISTRIBUTED AGGREGATE. ALL AGGREGATE SHALL BE WELL BONDED TO THE CEMENT MATRIX. USE A WEAK MIX OF 10% COMMERCIAL HYDROCHLORIC ACID TO REMOVE CEMENT SLURRY. DO NOT ALLOW ACID TO ENTER GARDEN BEDS OR STORMWATER SYSTEM.



DETAIL A
INSPECTION ACCESS FOR
ELECTRICITY AND LIGHT POLES

AMENDMENTS DESCRIPTION	APPROVED	DATE	GYMPIE REGIONAL COUNCIL			Datum			Plan Description			Auxiliary Plans		DRAWING NO		
			GYMPIE REGIONAL COUNCIL 242 Mary Street GYMPIE Qld 4570 E-mail : council@gympie.qld.gov.au Phone 1300 307 800 Fax (07) 54810 801			-			GYMPIE REGIONAL COUNCIL STANDARD DRAWING			-		R-10		
						Surv No.			-			URBAN STREET			SHEET OF	
						Date			04/17			CONCRETE PATHWAY			1 1	
						Tech File			-			FULL WIDTH			A	
A Original Issue			SCALES AS SHOWN			FULL SIZE A3			SCALES m.			Rev Date 07/12				



θ	70°	90°	110°
R ₁	17	15	13
R ₂	13	15	17

R ₁	S _b
13	7.0
15	7.5
17	8.0

AMENDMENTS DESCRIPTION	APPROVED	DATE

NOT TO SCALE

SCALES m. FULL SIZE A3

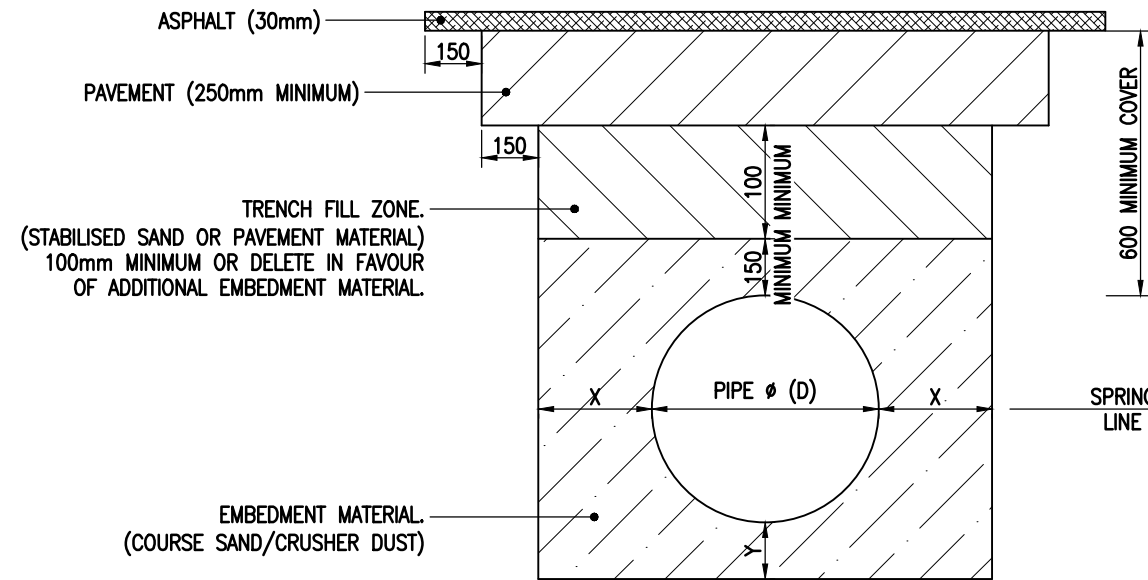
GYMPIE REGIONAL COUNCIL
 242 Mary Street
 GYMPIE Qld 4570
 E-mail : council@gympie.qld.gov.au
 Phone 1300 307 800
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Surv No.	-	Designed	-	-
Date	04/17	Checked	G.A.	04/17
Tech File	-	Approved	G.ALEXANDER	19/04/17
			R.P.E.Q. 14933	

Plan Description

GYMPIE REGIONAL COUNCIL STANDARD DRAWING
TYPE BAL LAYOUT
 RURAL SITE
 SIDE ROAD AADT < 100

Auxiliary Plans	DRAWING NO	
-	R-11	
Job Number	SHEET	OF
-	1	1
Construction Date	A	
-		



TYPICAL SECTION

PIPE Ø (D)	X	Y
150-300	300	100
375-450	300	150
525-900	300	150

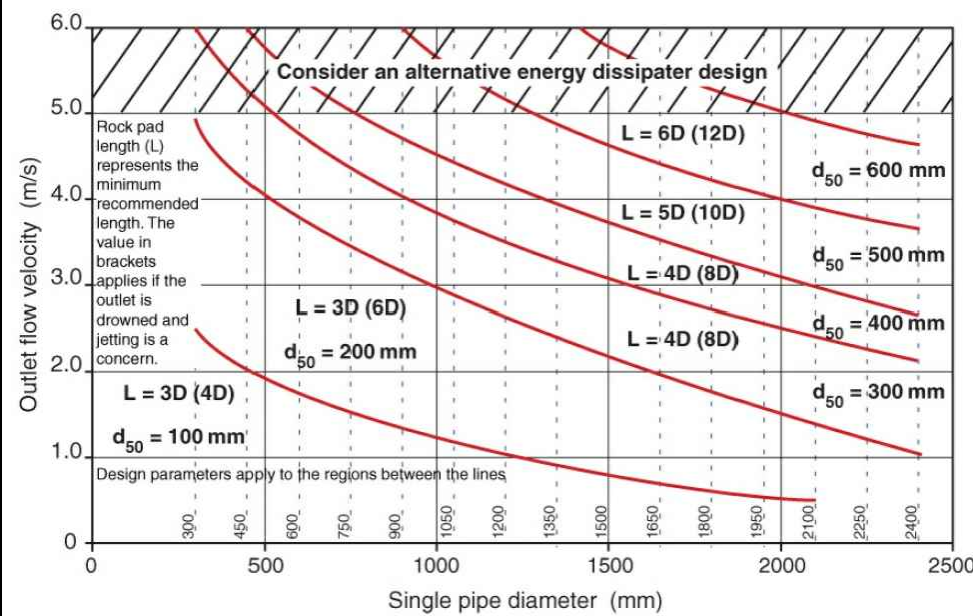
NOTES:

SAND		CRUSHER DUST	
SIEVE SIZE (mm)	% PASSING	SIEVE SIZE (mm)	% PASSING
4.75	100	9.5	100
2.36	100-90	6.7	85-100
1.18	85-100	2.36	0-20
0.60	70-100	0.075	0-2
0.30	50-100		
0.15	0-40		
0.075	0-5		

TO AS 2758.1

- TO BE INSTALLED IN ACCORDANCE WITH AS 2566.1.
- BACKFILLING UNDER ROADS
 - ALL UNBOUND GRAVEL & SELECT FILL TO BE COMPACTED TO 100% STANDARD COMPACTION TO AS 1289.5.2.1.
 - ALL CEMENT TREATED MATERIAL IS TO BE COMPACTED TO 100% STANDARD COMPACTION TO AS 1289.5.2.1.
 - ALL MATERIAL TO BE COMPACTED IN 100mm LAYERS.
 - ALL CEMENT STABILISED MATERIAL TO HAVE A 4% MINIMUM CEMENT BY DRY WEIGHT.
- FOR USE IN COASTAL AREAS ONLY, SUBJECT TO APPROVAL FROM COUNCIL ENGINEER.

AMENDMENTS DESCRIPTION	APPROVED	DATE	NOT TO SCALE				GYMPIE REGIONAL COUNCIL				GYMPIE REGIONAL COUNCIL STANDARD DRAWING BURIED FLEXIBLE PIPELINES UNDER ROADS				Auxiliary Plans	DRAWING NO			
D REVIEW	GLENN ALEXANDER	04/17	SCALES m. FULL SIZE A3 GYMPIE REGIONAL COUNCIL 242 Mary Street GYMPIE Qld 4570 E-mail : council@gympie.qld.gov.au Phone 1300 307 800 Fax (07) 54810 801				Datum	-	Drawn	J.G.	04/17	Plan Description GYMPIE REGIONAL COUNCIL STANDARD DRAWING BURIED FLEXIBLE PIPELINES UNDER ROADS				-	R-14		
C REVIEW	LAWRY O'BRIEN	03/12					Surv No.	-	Designed	-	-					-			
B REVIEW							Date	04/17	Checked	GA	04/17					Job Number	1	OF	1
A Original Issue							Tech File	-	Approved	G.ALEXANDER	19/04/17					Construction Date	-	1/1	



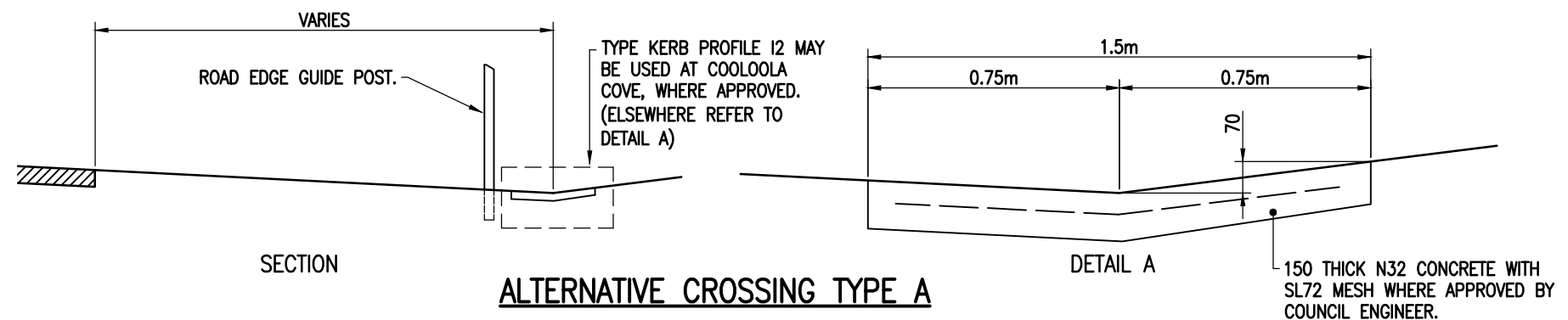
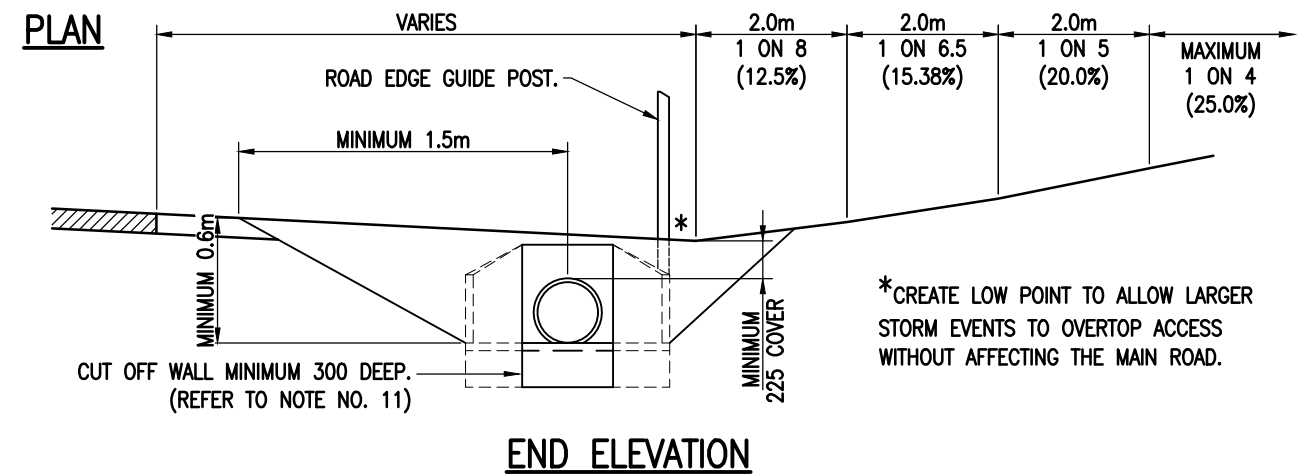
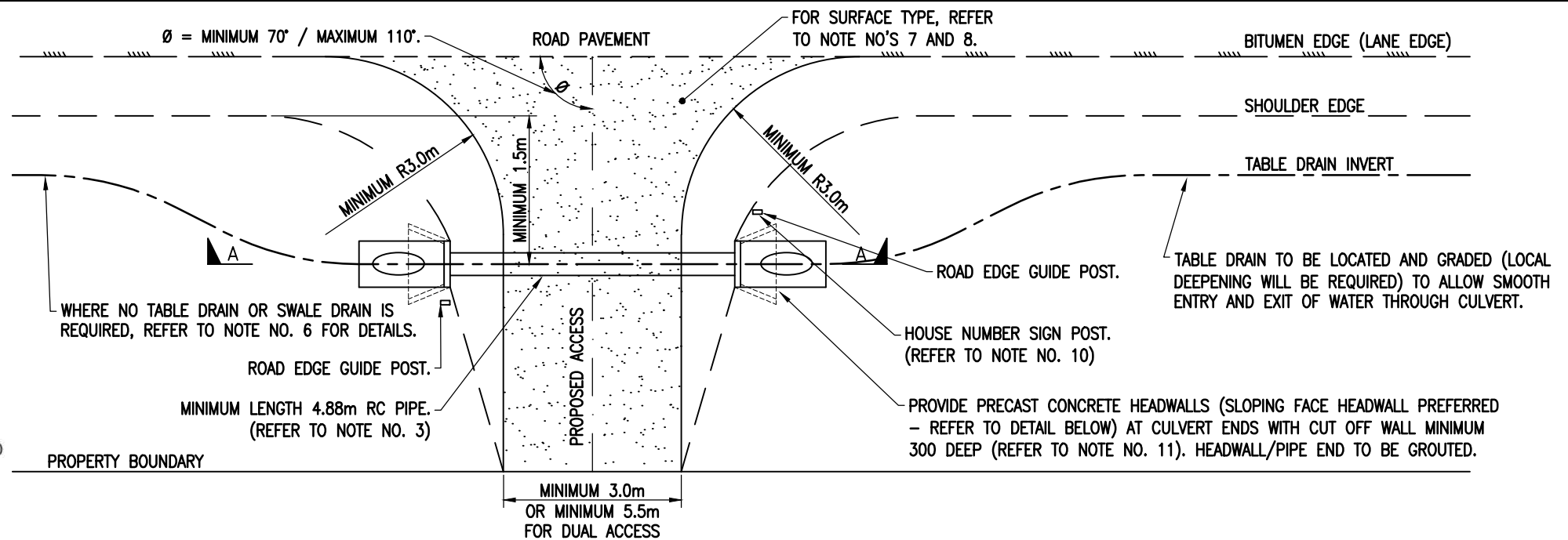
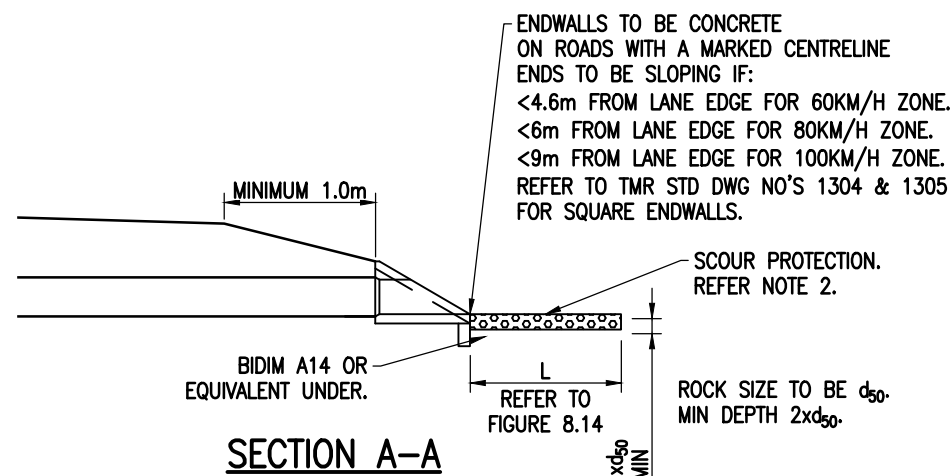
(QUEENSLAND URBAN DRAINAGE MANUAL - FIGURE 8.14)

PIPE SIZE		
CATCHMENT AREA	ARI 2	ARI 10
<0.1 Ha	375	375
<0.5 Ha	375	450
<1.0 Ha	450	525
<1.5 Ha	525	600
<2.5 Ha	600	2/450
<3.0 Ha	2/450	2/525
<3.5 Ha	2/525	2/600
<4.0 Ha	2/600	NOTE (2)

ADJOINING ROAD AADT \leq 2000, ARI 2
ADJOINING ROAD AADT $>$ 2000, ARI 10

(1) ALTERNATIVES MAY BE APPROVED IF SUPPORTED WITH CALCULATIONS IN ACCORDANCE WITH THE PROVISIONS OF THE QUEENSLAND URBAN DRAINAGE MANUAL OR UNDER THE PROVISIONS OF COUNCIL'S PLANNING SCHEME.

(2) SEEK CONSULTING ENGINEER ADVICE.



NOTES:

- ACCESS PIPE CROSSINGS TO BE PROVIDED AT LOCATIONS APPROVED BY COUNCIL.
- PROVIDE PROTECTION TO TABLE DRAINS & OUTLETS AS PER FIGURE 8.14. RENO MATTRESS (OR EQUIVALENT) ACCEPTED.
- MINIMUM GRADE THROUGH PIPE/CULVERT TO BE 1.0%.
- ROAD EDGE GUIDE POSTS TO BE LOCATED AT PIPE ENDS.
- RC OR FRC PIPE CLASS 2 TO BE IN ACCORDANCE WITH THE CURRENT AUSTRALIAN STANDARDS, MINIMUM SIZE OF ϕ 375mm. FLEXIBLE (PLASTIC) PIPES ARE NOT ACCEPTED.
- NO PIPE CULVERT IS REQUIRED WHERE PROPERTY IS LOWER THAN THE ROAD (IE: EMBANKMENT OR FILL BATTER), AT OR ADJACENT TO ROAD CRESTS. CONCRETE INVERT CROSSINGS MAYBE USED IN LIEU OF PIPED CROSSOVER SUBJECT TO THE APPROVAL BY COUNCIL ENGINEER.
- ACCESS GRADES $>$ 12.5% SHALL BE SEALED OR REINFORCED CONCRETE.
- IF ACCESS IS TO BE:
SEALED - 2 COAT SPRAY SEAL OR 30mm ASPHALT (10mm MIX) TO PROPERTY BOUNDARY, GRAVEL THICKNESS FOR ACCESS 150mm MINIMUM (COMPACTED), TYPE 2.4 (IF ORDERED BY COUNCIL ENGINEER).
GRAVEL - GRAVEL THICKNESS FOR ACCESS 150mm MINIMUM (COMPACTED), TYPE 2.4, TO THE PROPERTY BOUNDARY.
- ALTERNATIVELY, CULVERT MAY BE POSITIONED AS CROSS ROAD, IF REQUIRED BY COUNCIL ENGINEER, IN WHICH CASE COUNCIL MAY CONTRIBUTE TOWARDS ANY ADDITIONAL COSTS.
- HOUSE NUMBER SIGNS TO BE PLACED ON ROAD EDGE GUIDE POSTS ADJACENT TO HEADWALL (IF PROVIDED) OR MINIMUM 1.5m FROM SHOULDER EDGE.
- CUT-OFF WALL MAY BE DELETED IF GROUND CONDITIONS ARE NON-EROSIVE.
- MAINTENANCE OF THE CROSSINGS ARE THE RESPONSIBILITY OF THE PROPERTY OWNER.

AMENDMENTS DESCRIPTION	APPROVED	DATE
D REVIEW	GLENN ALEXANDER	04/17
C REVIEW	LAWRY O'BRIEN	03/12
B REVIEW	ROSS CHAPMAN	01/11
A Original Issue		

NOT TO SCALE

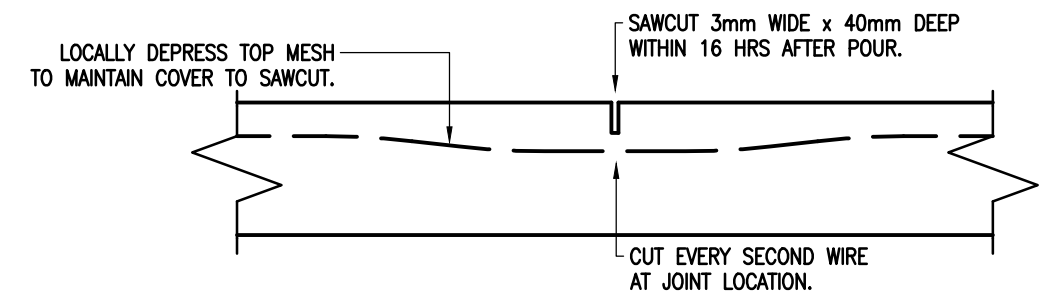
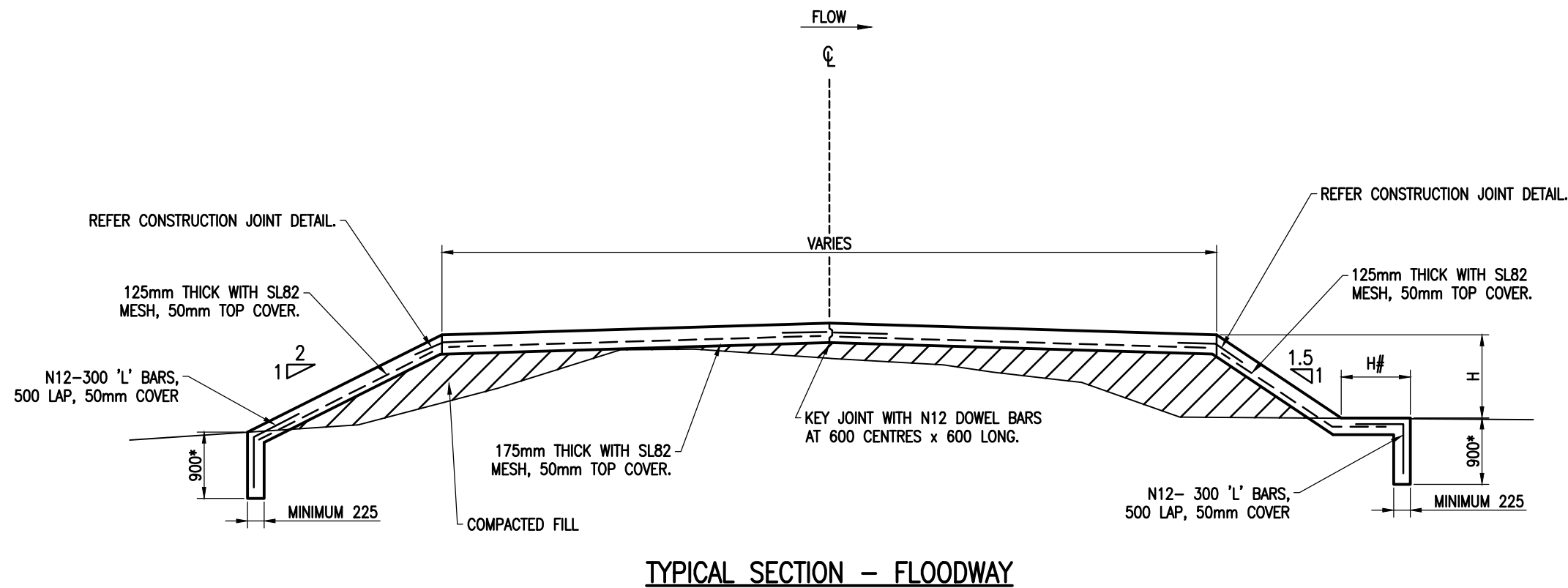
SCALES m. FULL SIZE A3

GYMPIE REGIONAL COUNCIL
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Phone 1300 307 800
Fax (07) 54810 801

Datum	Drawn	J.G.	04/17
Surv No.	Designed	-	-
Date	Checked	GA	04/17
Tech File	Approved	G.ALEXANDER	19/04/17
		R.P.E.Q. 14933	

GYMPIE REGIONAL COUNCIL STANDARD DRAWING
TABLE DRAIN CROSSING
WITH VEHICULAR ACCESS

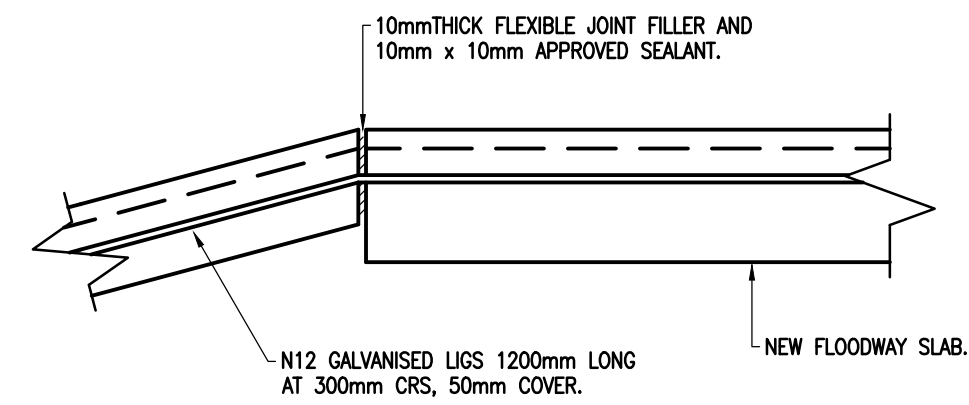
Auxiliary Plans	DRAWING NO	
-	R-15	
Job Number	SHEET	OF
-	1	1
Construction Date	-	



SAWCUT JOINT DETAILS

NOTES

1. * INCREASE DEPTH IN SANDY/GRAVELLY SOILS AND DECREASE DEPTH IF SOLID BEDROCK ENCOUNTERED.
2. #WHERE H IS EQUAL OR MORE THAN 2.0m, THE DOWNSTREAM APRON SHOULD EXTEND AT LEAST 1.5H METRES AWAY FROM TOE OF EMBANKMENT.
3. WEEPHOLES TO BE PLACED IN DOWNSTREAM SIDE, #90mm AT 1.8m (MAXIMUM) CENTRES WITH 300x300x150 NO-FINES CONCRETE BLOCKS BEHIND THE WEEPHOLES. WEEPHOLES TO BE PLACED 300mm ABOVE APRON LEVEL.
4. COMPACTED FILL UNDER FLOODWAY SHALL BE AT LEAST OF CBR 15.
5. WATERPROOF BARRIER (VISQUEEN OR SIMILAR) SHOULD BE PLACED UNDER ALL CONCRETE SLABS ON 50mm BEDDING SAND (TYPICAL).
6. LENGTH OF FLOODWAY SHOULD AT LEAST BE EQUAL TO WATERWAY (BANK FULL) AREA, ELSE AS DETERMINED.
7. CONTROL JOINTS ARE TO BE SAW CUT AT 6.0m CENTRES.
8. ALL CONCRETE TO BE GRADE N32 IN ACCORDANCE WITH AS1379



CONSTRUCTION JOINT DETAIL

AMENDMENTS DESCRIPTION	APPROVED	DATE	GYMPIE REGIONAL COUNCIL			Datum	Drawn	J.G.	04/17	Plan Description	Auxiliary Plans	DRAWING NO		
			GYMPIE REGIONAL COUNCIL 242 Mary Street GYMPIE Qld 4570 E-mail : council@gympie.qld.gov.au Phone 1300 307 800 Fax (07) 54810 801			-	Designed	-	-	GYMPIE REGIONAL COUNCIL STANDARD DRAWING CONCRETE FLOODWAY DETAILS AND DIMENSIONS TYPICAL SECTION	-	R-17		
						Surv No.	Checked	G.A.	04/17			Job Number	SHEET	OF
						Date	Approved	G.ALEXANDER	19/04/17			Construction Date	1	1
						Tech File		R.P.E.Q. 14933					A	
A Original Issue			NOT TO SCALE FULL SIZE A3 SCALES m.											