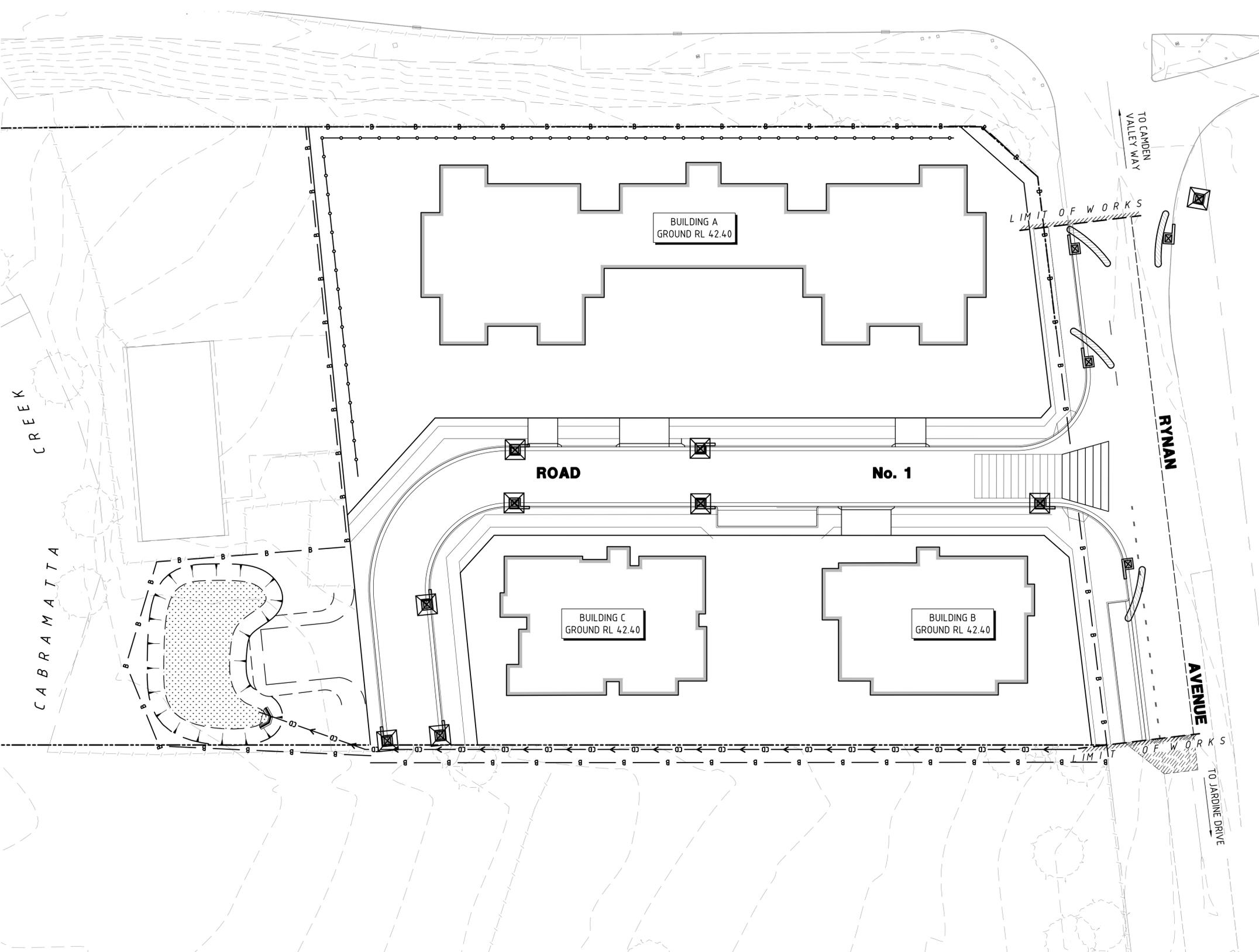


Tuesday, 6 May 2014 11:28:32 AM
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EROSION AND SEDIMENT CONTROLS

1. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH THESE DOCUMENTS AND
 - A LOCAL AUTHORITY REQUIREMENTS
 - B EPA REQUIREMENTS
 - C NSW DEPARTMENT OF HOUSING MANUAL 'MANAGING URBAN STORM WATER, SOILS AND CONSTRUCTION', 4TH EDITION, MARCH 2004.
2. MAINTAIN THE EROSION CONTROL DEVICES INDICATED TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
3. WHEN STORM WATER PITS ARE CONSTRUCTED, PREVENT SITE RUNOFF ENTERING UNLESS SILT FENCES ARE ERECTED AROUND THE PITS.
4. CONTRACTOR IS TO ENSURE ALL EROSION AND SEDIMENTATION CONTROL DEVICES ARE MAINTAINED IN GOOD WORKING ORDER AND OPERATE EFFICIENTLY. REPAIRS AND/OR MAINTENANCE SHALL BE UNDERTAKEN AS REQUIRED, PARTICULARLY FOLLOWING STORM EVENTS.
5. CONTRACTOR TO PROVIDE 300mm WIDE TURF STRIPED BEHIND ALL KERBS
6. GRAVEL SAUSAGES TO BE PROVIDED AT 5m CENTRES.

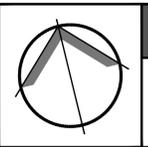
LEGEND:

- SILT FENCE
- BARRIER FENCING
- CATCH DRAIN
- TRAFFIC ROUTE
- STABILISED SITE ACCESS
- ROCK PROTECTION
- INLET SEDIMENT BARRIER (ISB)
- GRAVEL SAUSAGE (GS)

0 10 20 30 40 50 60 70 80 90 100

REV	DATE	AMENDMENT / DESCRIPTION	BY	APPD	REV	DATE	AMENDMENT / DESCRIPTION	BY	APPD
F	15/07/2015	REVISED FOR DA APPROVAL	AJB	DLG					
E	10/07/2015	REVISED FOR DA APPROVAL	AJB	DLG					
D	6/05/2015	ISSUED FOR DA APPROVAL	RLP	DLG					
C	7/04/2015	ISSUED FOR DA APPROVAL	RLP	DLG					
B	2/04/2015	ISSUED FOR INFORMATION	RLP	DLG					
A	25/09/2014	ISSUED FOR DA APPROVAL	RLP	DLG					

DESIGNED	CHECKED	APPROVED	DATE
RLP	DLG	PGD	17/07/2014
			18/07/2014
			18/07/2014



NOT FOR CONSTRUCTION

Scale: 1:250

0 2.5 5 10 15m

DRAWING DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE

DESIGNED	DATE
RLP	17/07/2014
CHECKED	DATE
DLG	18/07/2014
APPROVED	DATE
PGD	18/07/2014
SCALE	1:250 (A1)

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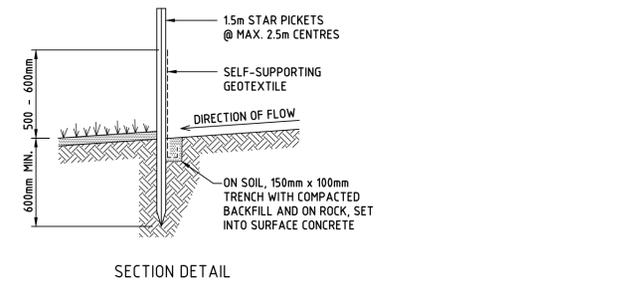
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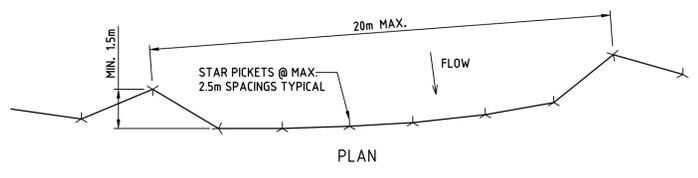
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PROJECT:	5-7 RYNAN AVENUE, EDMONSON PARK PROPOSED RESIDENTIAL SUBDIVISION
TITLE:	EROSION AND SEDIMENT CONTROL PLAN
PROJ No:	14075
DRG No:	DA02
Rev:	F

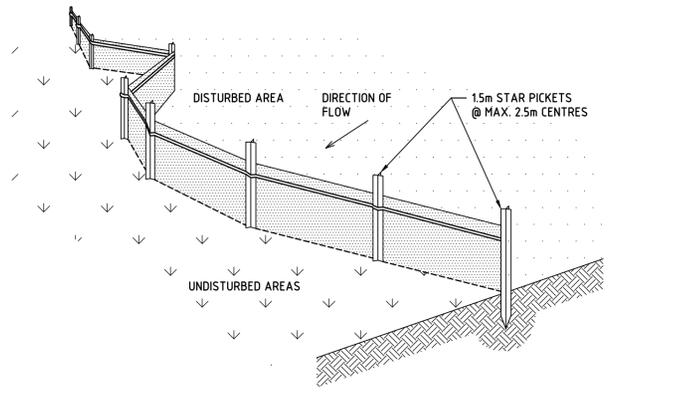
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SECTION DETAIL

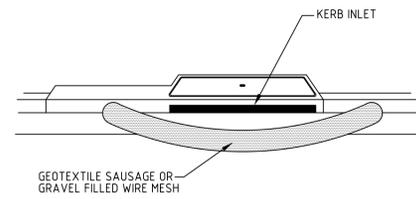


PLAN

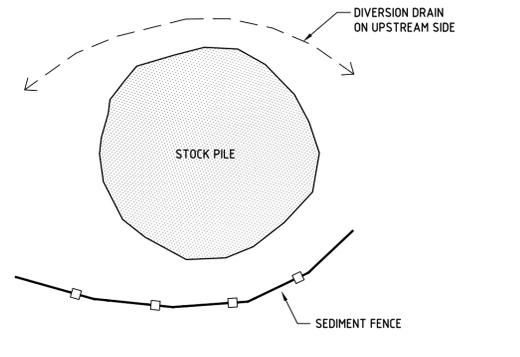


SEDIMENT FENCE (SF)
SCALE N.T.S.

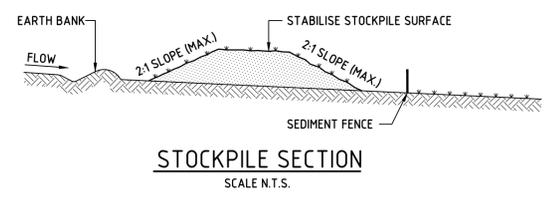
- SEDIMENT FENCE CONSTRUCTION NOTES:**
- CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
 - CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
 - DRIVE 1.5m LONG STAR PICKETS INTO GROUND @ 2.5m INTERVALS (MAX.) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
 - FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
 - JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
 - BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.



GRAVEL SAUSAGE (GS)
SCALE N.T.S.

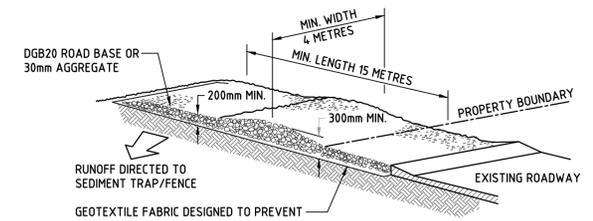


STOCKPILE PLAN
SCALE N.T.S.



STOCKPILE SECTION
SCALE N.T.S.

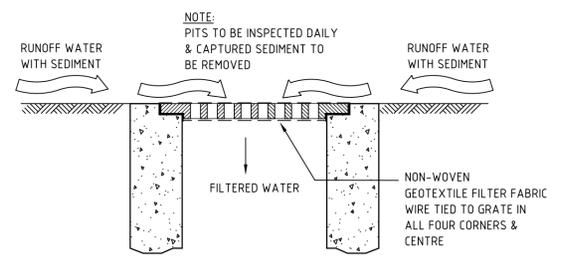
- STOCKPILE CONSTRUCTION NOTES:**
- PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
 - CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
 - WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
 - WHERE THEY ARE TO BE PLACED FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED E.S.C.P. OR S.W.M.P. TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
 - CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.



INLET SEDIMENT BARRIER (ISB)
SCALE N.T.S.

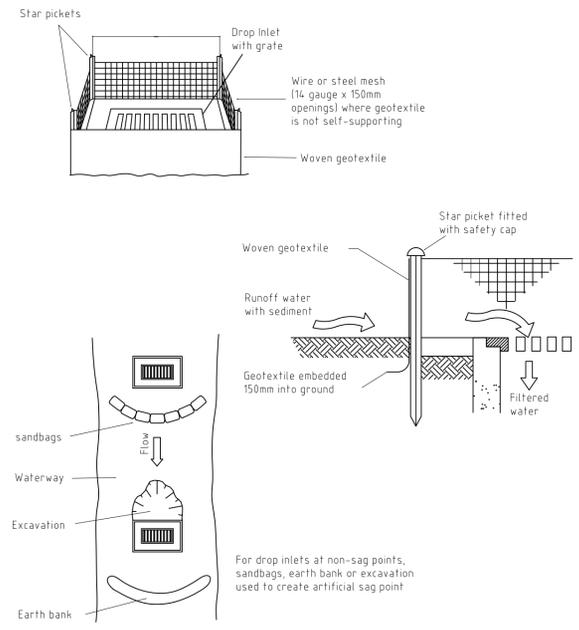
- STABILISED SITE ACCESS CONSTRUCTION NOTES:**
- STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
 - COVER THE AREA WITH NEEDLE - PUNCHED GEOTEXTILE.
 - CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
 - ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
 - WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO SEDIMENT FENCE.

STABILISED SITE ACCESS (SSA)
SCALE N.T.S.



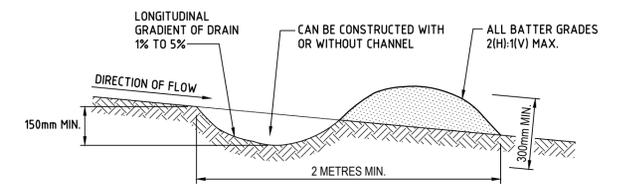
INLET TRAP
SCALE N.T.S.

NOTE: TO BE USED IN PAVED AREAS WHERE TRAFFIC ACCESS IS REQUIRED



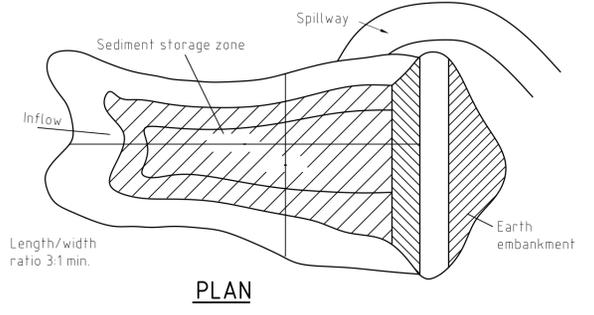
Construction Notes

- Fabricate a sediment barrier made from geotextile or straw bales.
- Support geotextile with mesh tied to posts spaced at 1 metre centres.
- Do not cover inlet with geotextile.
- Construction details are similar to Standard Drawing 6-6 and 6-7.

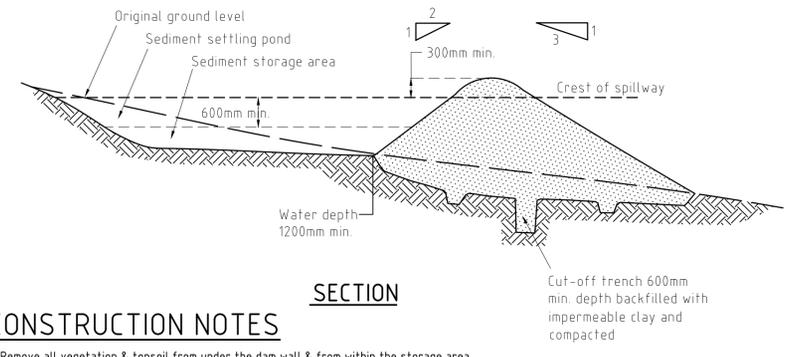


CATCH DRAIN (CD)
SCALE N.T.S.

- EARTH BANK CONSTRUCTION NOTES:**
- BUILD WITH GRADIENTS BETWEEN 1% AND 5%.
 - AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM.
 - ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
 - BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS-SECTIONS, NOT "V" SHAPED.
 - ENSURE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
 - COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.



PLAN



SECTION

CONSTRUCTION NOTES

- Remove all vegetation & topsoil from under the dam wall & from within the storage area
- Construct a cut-off trench 500mm deep & 1200mm wide along the centreline of the embankment extending to a point on the gully wall level with the riser crest.
- Maintain the trench free of water & recompact the material with equipment as in the SWMP to 95% Standard Proctor density.
- Select fill according to the directions of the SWMP that is free from roots, wood rock, large stones or foreign materials.
- Prepare the site under the embankment by ripping at least 100mm deep to help bond compacted fill to existing substrate.
- Spread fill in 100mm to 150mm layers & compact at optimum moisture content in accordance with the SWMP.
- Construct emergency spillway.
- Rehabilitate the structure in accordance with the SWMP.
- Place a "Full of Sediment" marker to show when less than design capacity occurs & sediment removal is required.

TEMPORARY SEDIMENTATION BASIN
SCALE N.T.S.

REV	DATE	AMENDMENT / DESCRIPTION	BY	APPD	REV	DATE	AMENDMENT / DESCRIPTION	BY	APPD
E	10/07/2015	REVISED FOR DA APPROVAL	AJB	DLG					
D	6/05/2015	ISSUED FOR DA APPROVAL	RLP	DLG					
C	7/04/2015	ISSUED FOR DA APPROVAL	RLP	DLG					
B	2/04/2015	ISSUED FOR INFORMATION	RLP	DLG					
A	25/09/2014	ISSUED FOR DA APPROVAL	RLP	DLG					

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DRAWING DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE

DESIGNED	RLP	DATE	17/07/2014
CHECKED	DLG	DATE	18/07/2014
APPROVED	PGD	DATE	18/07/2014
SCALE	NOT TO SCALE		

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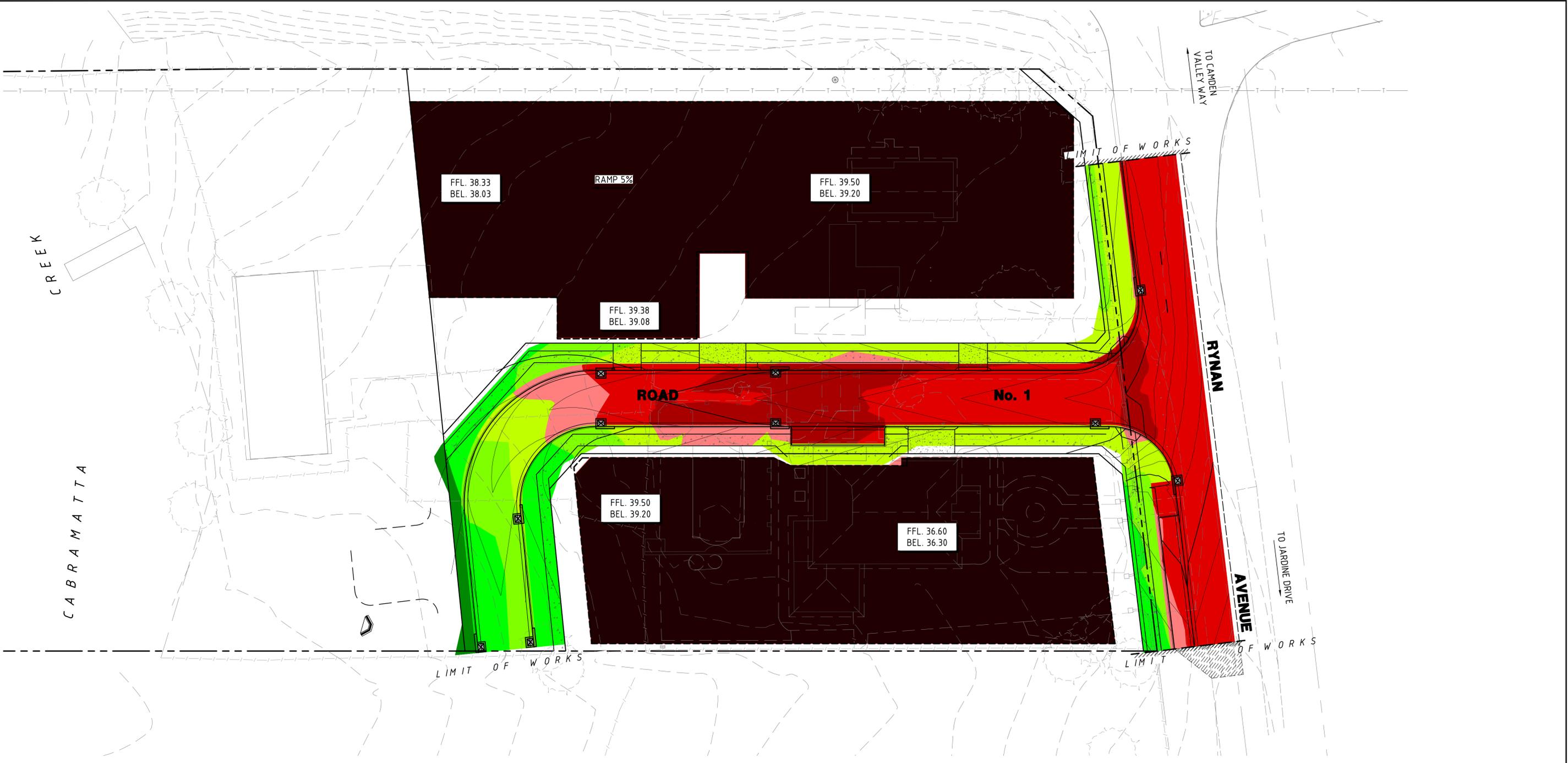
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PROJECT:	5-7 RYNAN AVENUE, EDMONSON PARK PROPOSED RESIDENTIAL SUBDIVISION		
TITLE:	EROSION AND SEDIMENT CONTROL DETAILS		
PROJ No:	14075	DRG No:	DA03
Rev:	E		

Tuesday, 6 May 2014 11:28:32 AM C:\3 PROJECTS\2014\14075-RYNAN AVE EDMONSON PARK DRAFTING\14075-DA04



LEGEND:

DEPTH RANGE

-9999 TO -1	CUT	
-1.00 TO -0.75		
-0.75 TO -0.50		
-0.50 TO -0.25		
-0.25 TO 0.00		
0.00 TO 0.25	FILL	
0.25 TO 0.50		
0.50 TO 0.75		
0.75 TO 1.00		
1.00 TO 9999		

QUANTITIES:

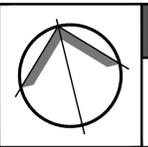
TOTAL CUT	-15100m ³
TOTAL FILL	430m ³
TOTAL BALANCE	-14760m ³
IE EXCESS OF CUT OVER FILL	14760m ³

- NOTE:**
- ALLOWANCE MADE FOR DESIGN PAVEMENT DEPTH OF 400mm (TBC AT DETAIL DESIGN)
 - ALLOWANCE OF MADE FOR BUILDING SLAB, BASECOURSE AND BLINDING OF 300mm (TBC AT DETAIL DESIGN)
 - NO ALLOWANCE MADE FOR ADDITIONAL EXCAVATION AND LEVELLING FOR BUILDING FOUNDATIONS AND RETAINING WALLS ETC.

0 10 20 30 40 50 60 70 80 90 100

REV	DATE	AMENDMENT / DESCRIPTION	BY	APPD	REV	DATE	AMENDMENT / DESCRIPTION	BY	APPD
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C	7/04/2015	ISSUED FOR DA APPROVAL	RLP	DLG					
B	2/04/2015	ISSUED FOR INFORMATION	RLP	DLG					
A	25/09/2014	ISSUED FOR DA APPROVAL	RLP	DLG					

BY	APPD	REV	DATE	AMENDMENT / DESCRIPTION	BY	APPD



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1:250

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DESIGNED	RLP	DATE	17/07/2014
CHECKED	DLG	DATE	18/07/2014
APPROVED	PGD	DATE	18/07/2014
SCALE	1:250 (A1)		

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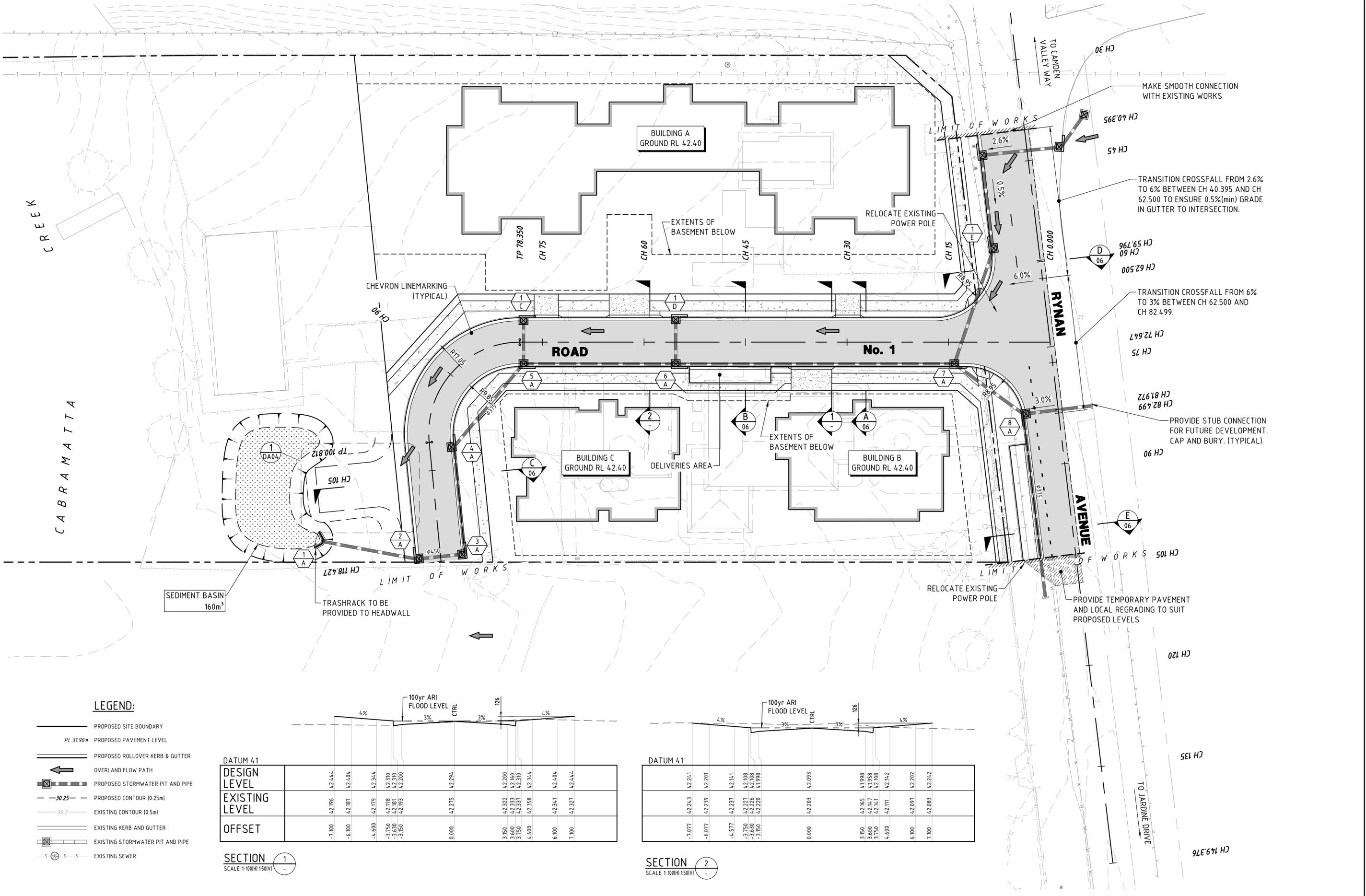
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PROJECT:	5-7 RYNAN AVENUE, EDMONSON PARK PROPOSED RESIDENTIAL SUBDIVISION		
TITLE:	BULK EARTHWORKS PLAN		
PROJ No:	14075	DRG No:	DA04
Rev:	E		

Tuesday, 6 May 2014 11:28:52 AM C:\PROJECTS\2014\14075-DA05-EDMONSON PARK DRAFTING\14075-DA05



LEGEND:

- PROPOSED SITE BOUNDARY
- PL 31.90x PROPOSED PAVEMENT LEVEL
- PROPOSED ROLLOVER KERB & GUTTER
- OVERLAND FLOW PATH
- PROPOSED STORMWATER PIT AND PIPE
- 30.25- PROPOSED CONTOUR (0.25m)
- 30.2- EXISTING CONTOUR (0.5m)
- EXISTING KERB AND GUTTER
- EXISTING STORMWATER PIT AND PIPE
- EXISTING SEWER

DATUM 41

DESIGN LEVEL	EXISTING LEVEL	OFFSET
42.444	42.196	-7.100
42.404	42.187	-6.100
42.344	42.179	-4.600
42.310	42.178	-3.750
42.310	42.181	-3.630
42.200	42.193	-3.150
42.294	42.275	0.000
42.200	42.322	3.150
42.160	42.333	3.600
42.310	42.337	3.750
42.344	42.358	4.600
42.404	42.341	6.100
42.444	42.327	7.100

SECTION 1
SCALE 1:100(H) 150(V)

DATUM 41

DESIGN LEVEL	EXISTING LEVEL	OFFSET
42.241	42.243	-7.077
42.201	42.239	-6.077
42.141	42.237	-4.577
42.108	42.227	-3.750
42.108	42.226	-3.630
41.998	42.220	-3.150
42.093	42.203	0.000
41.998	42.165	3.150
42.108	42.147	3.600
42.108	42.161	3.750
42.142	42.111	4.600
42.202	42.097	6.100
42.242	42.083	7.100

SECTION 2
SCALE 1:100(H) 150(V)

REV	DATE	AMENDMENT / DESCRIPTION	BY	APPD	REV	DATE	AMENDMENT / DESCRIPTION	BY	APPD
E	15/07/2015	REVISED FOR DA APPROVAL	AJB	DLG					
D	10/07/2015	REVISED FOR DA APPROVAL	AJB	DLG					
C	6/05/2015	ISSUED FOR DA APPROVAL	RLP	DLG					
B	7/04/2015	ISSUED FOR DA APPROVAL	RLP	DLG					
A	2/04/2015	ISSUED FOR INFORMATION	RLP	DLG					

DESIGNED	CHECKED	APPROVED	SCALE
RLP	DLG	PGD	1:250 (A1)

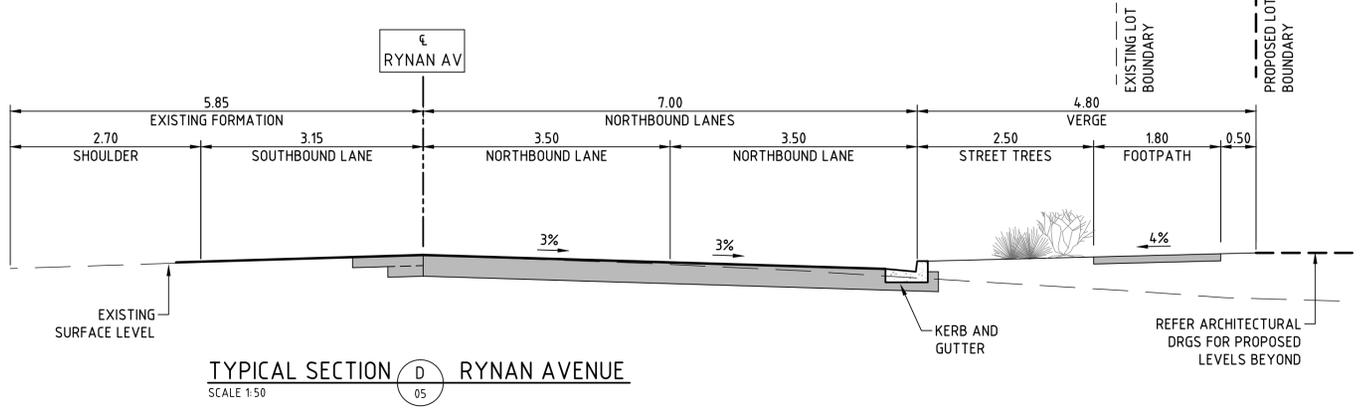
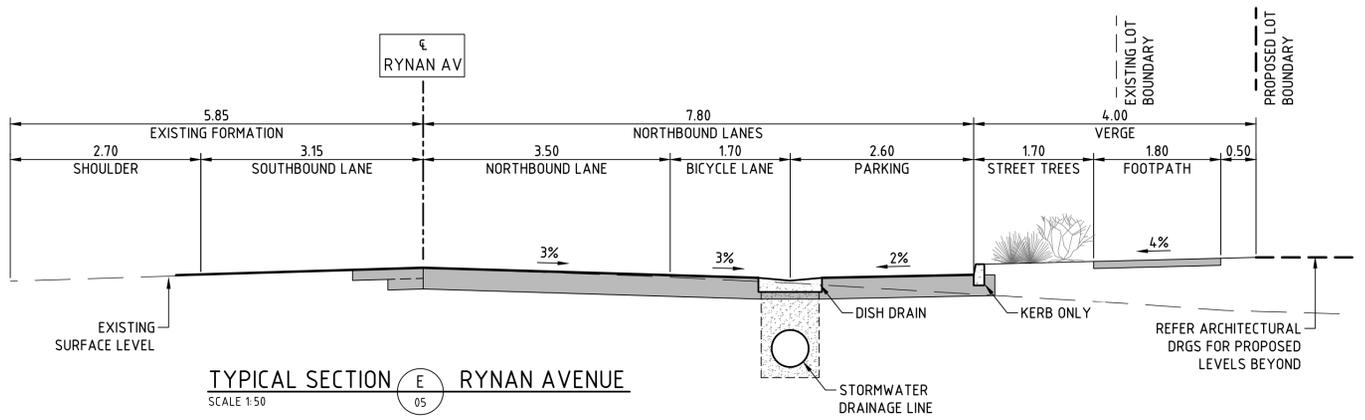
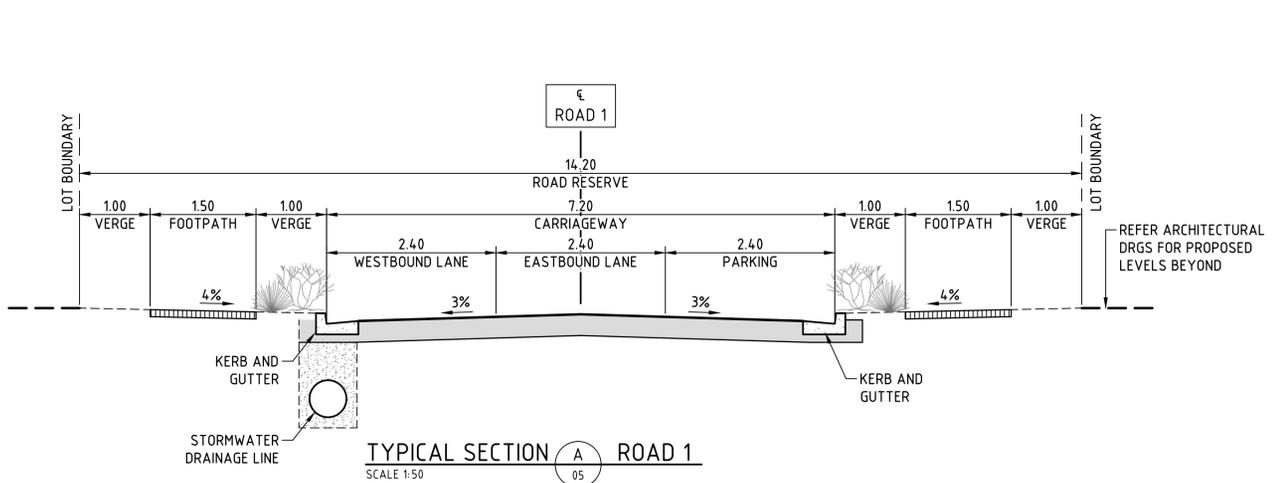
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PROJECT:	5-7 RYAN AVENUE, EDMONSON PARK PROPOSED RESIDENTIAL SUBDIVISION
TITLE:	ROADWORKS AND DRAINAGE PLAN
PROJ No:	14075
DRG No:	DA05
Rev:	E

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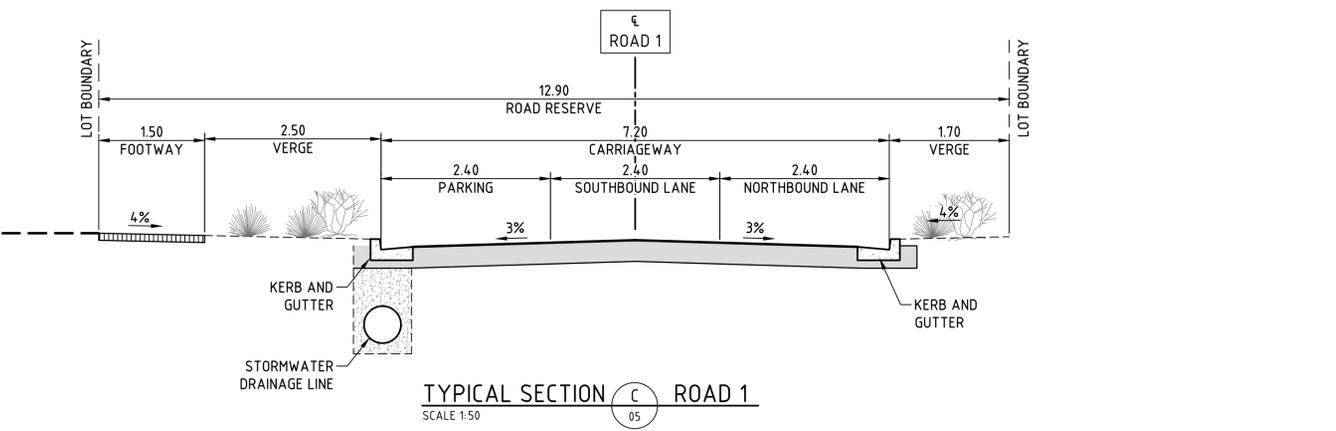


ROAD 1 LONGITUDINAL SECTION
SCALE 1:500 HORI. SCALE 1:100 VERT.

Datum RL36

HORIZONTAL VC LENGTH GRADE: 6m VC, R=13.45m, -4.86%, -0.75%

CHAINAGE	PROPOSED LEVEL	EXISTING LEVEL
0.000	42.928	42.923
6.550	42.794	42.794
9.550	42.757	42.495
10.000	42.755	42.483
12.550	42.428	42.442
20.000	42.381	42.386
30.000	42.284	42.311
40.000	42.216	42.236
50.000	42.311	42.161
60.000	42.203	42.086
70.000	42.141	42.011
78.350	41.778	41.948
80.000	41.708	41.936
90.000	41.296	41.861
100.000	40.969	41.786
100.812	40.952	41.78
110.000	40.797	41.711
118.427	40.757	41.648

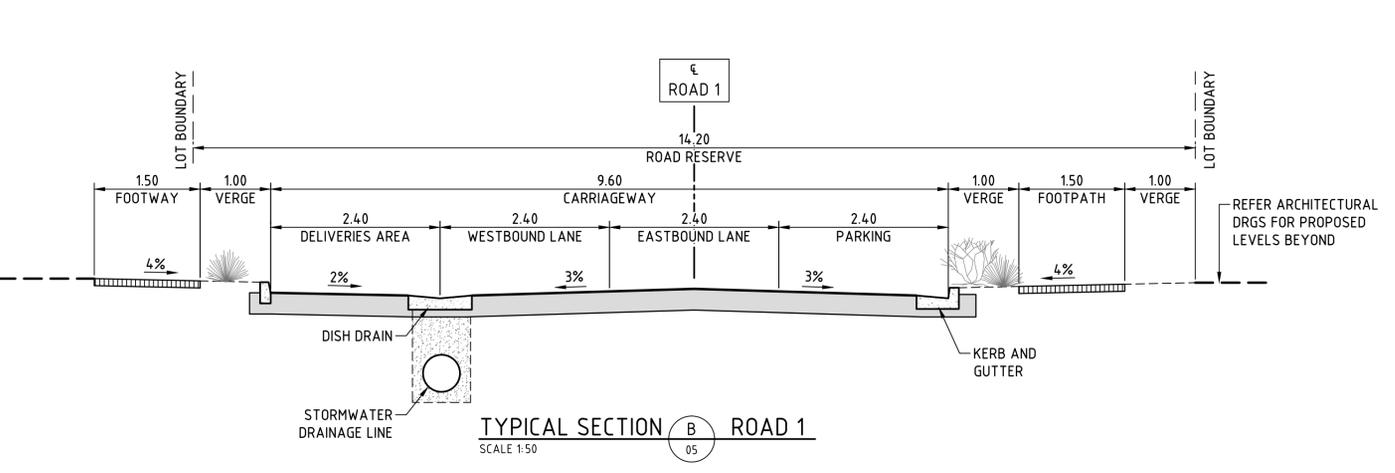


RYNAN AVENUE LONGITUDINAL SECTION
SCALE 1:500 HORI. SCALE 1:100 VERT.

Datum RL38

HORIZONTAL VC LENGTH GRADE: 20m VC, 30m VC, 30m VC, -1%, 0.49%, 1.28%, 0.9%

CHAINAGE	PROPOSED LEVEL	EXISTING LEVEL
23.689	42.826	42.825
30.000	42.778	42.765
33.689	42.739	42.764
37.05	42.755	42.759
40.000	42.768	42.762
43.689	42.779	42.775
50.000	42.809	42.806
60.000	42.83	42.856
61.717	42.832	42.864
70.000	42.907	42.914
76.717	42.963	42.957
80.000	42.993	42.998
90.000	43.097	43.08
91.117	43.116	43.13
100.000	43.215	43.236
108.033	43.328	43.338
110.000	43.36	43.363
120.000	43.5	43.482
123.033	43.506	43.516
130.000	43.589	43.589
138.033	43.669	43.666
140.000	43.684	43.684
149.376	43.768	43.768



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B	7/04/2015	ISSUED FOR DA APPROVAL	RLP	DLG					
A	2/04/2015	ISSUED FOR INFORMATION	RLP	DLG					

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DESIGNED: RLP DATE: 30/03/2015
 CHECKED: DLG DATE: 2/04/2015
 APPROVED: PGD DATE: 2/04/2015

SCALE: AS SHOWN

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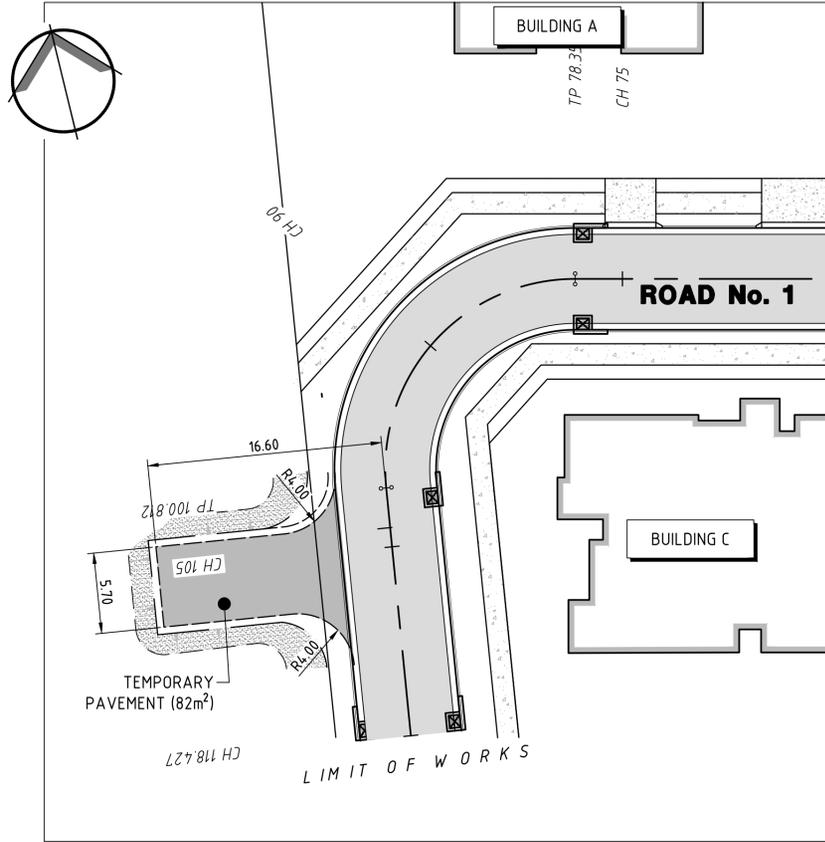
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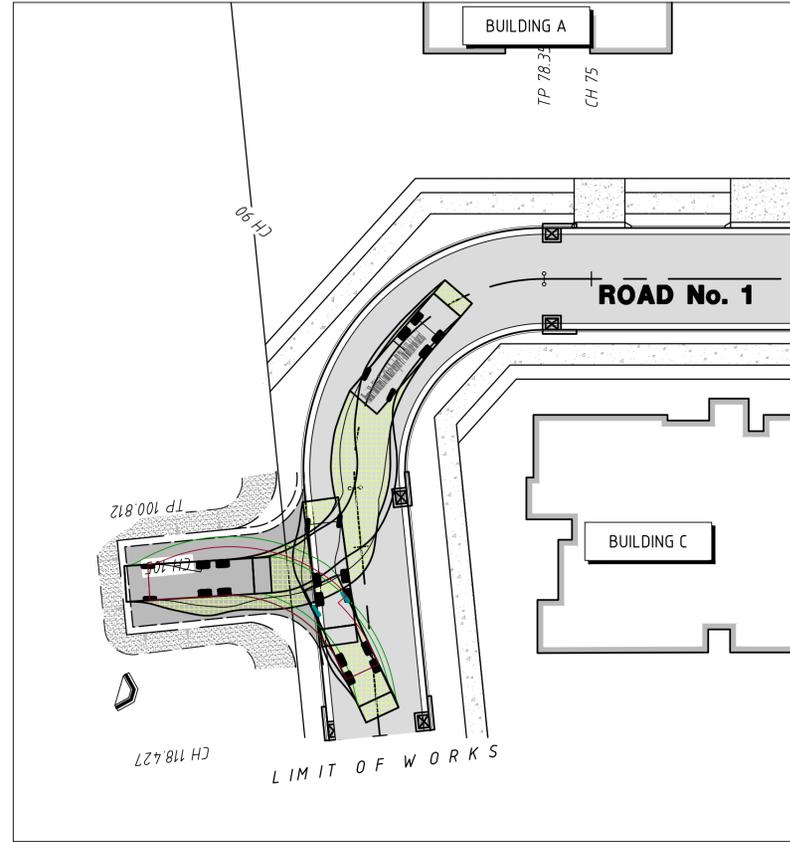
TITLE: ROAD LONGITUDINAL SECTIONS AND TYPICAL SECTIONS

PROJ No: 14075 DRG No: DA06 Rev: D



TEMPORARY TURNING HEAD ARRANGEMENT

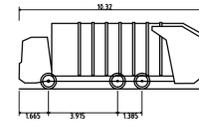
DETAIL 1
SCALE 1:250



SWEPT PATH DIAGRAM

DETAIL 1
SCALE 1:250

DESIGN VEHICLE DIMENSIONS

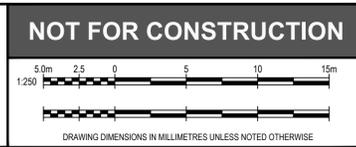


Typical Council Garbage Truck	10.320m
Overall Length	2.530m
Overall Width	3.756m
Overall Body Height	0.309m
Min Body Ground Clearance	2.530m
Track Width	4.00s
Lock to Lock Time	9.450m
Kerb to Kerb Turning Radius	

0 10 20 30 40 50 60 70 80 90 100

REV	DATE	AMENDMENT / DESCRIPTION	BY	APPD	REV	DATE	AMENDMENT / DESCRIPTION	BY	APPD
E	15/07/2015	REVISED FOR DA APPROVAL	AJB	DLG					
D	10/07/2015	REVISED FOR DA APPROVAL	AJB	DLG					
C	6/05/2015	ISSUED FOR DA APPROVAL	RLP	DLG					
B	7/04/2015	ISSUED FOR DA APPROVAL	RLP	DLG					
A	2/04/2015	ISSUED FOR INFORMATION	RLP	DLG					

NOT FOR CONSTRUCTION	
DESIGNED RLP	DATE 30/03/2015
CHECKED DLG	DATE 2/04/2015
APPROVED PGD	DATE 2/04/2015
SCALE AS SHOWN	CLIENT KMT Pty Ltd



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PROJECT: 5-7 RYNAN AVENUE, EDMONSON PARK PROPOSED RESIDENTIAL SUBDIVISION	TITLE: MISCELLANEOUS DETAILS
PROJ No: 14075	DRG No: DA07
Rev: E	