

GREGORY HILLS TOWN CENTRE STAGE 2 DEVELOPMENT APPLICATION



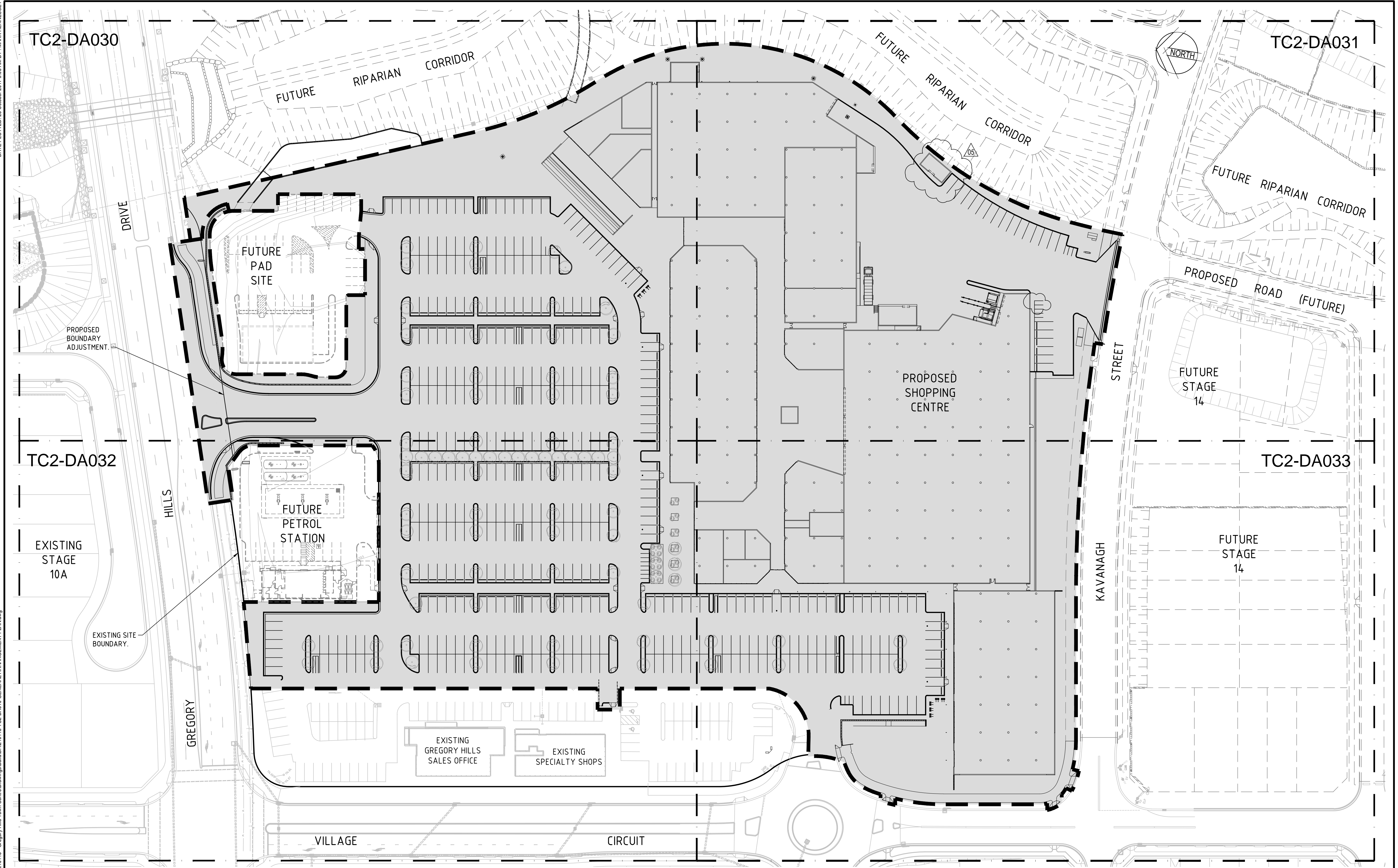
LOCALITY PLAN
NTS

SCHEDULE OF DRAWINGS

DRAWING No.	DESCRIPTION
210113-TC2-DA-000	TITLE SHEET, DRAWING LIST & LOCALITY PLAN
210113-TC2-DA-001	NOTES AND LEGEND SHEET
210113-TC2-DA-010	GENERAL ARRANGEMENT PLAN
210113-TC2-DA-020	EROSION & SEDIMENT CONTROL AND DEMOLITION PLAN
210113-TC2-DA-021	SEDIMENT AND EROSION CONTROL DETAILS
210113-TC2-DA-030	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 1
210113-TC2-DA-031	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 2
210113-TC2-DA-032	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3
210113-TC2-DA-033	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4
210113-TC2-DA-050	PAVEMENT PLAN
210113-TC2-DA-060	SIGNAGE AND LINEMARKING PLAN
210113-TC2-DA-080	TURNING PATH PLAN SHEET 1
210113-TC2-DA-081	TURNING PATH PLAN SHEET 2
210113-TC2-DA-082	TURNING PATH PLAN SHEET 3
210113-TC2-DA-090	CATCHMENT PLAN

DATE PLOTTED: 23 October 2017 9:03 AM BY: MARK HENNESSEY

CAD File: N:\Paramat\Projects\Norwest\210113 - Gregory Hills Town Centre\Drawings\Build\DA\210113-TC2-DA010-GENERAL ARRANGEMENT PLAN.dwg



05	23.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
04	16.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
03	10.05.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
02	17.02.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
01	30.01.17	ISSUED FOR CLIENT REVIEW	MDH	MKH	
Rev.	Date	Description	Des.	Verif.	Appd.



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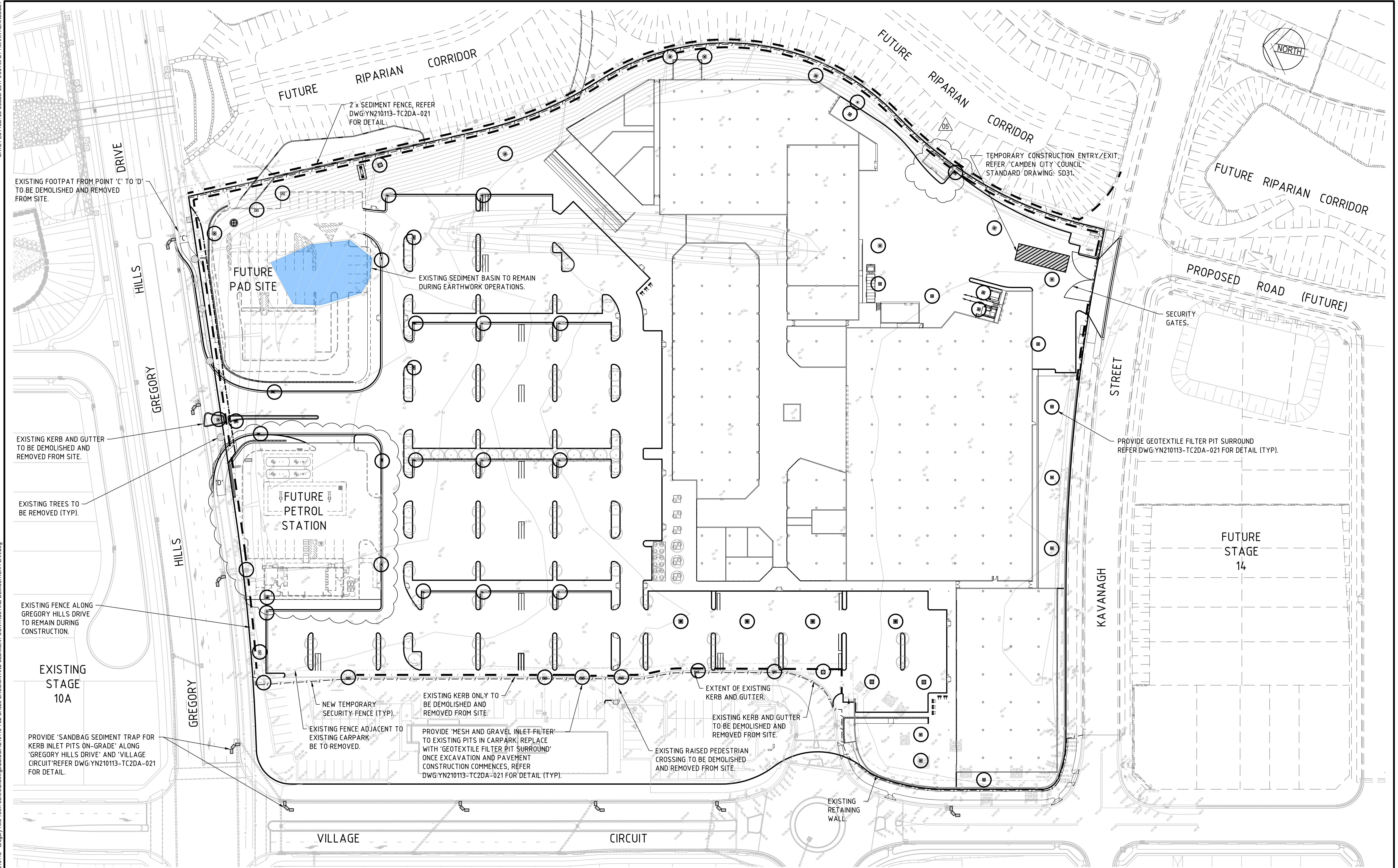
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Drawn	MDH	Date	JAN'17
Checked	MKH	Date	MDH
Designed	AP	Date	JAN'17
Verified	MKH	Date	JAN'17
Approved			
	MKH		FEB'17

Client **DART WEST DEVELOPMENTS**
Project **GREGORY HILLS TOWN CENTRE STAGE 2 DEVELOPMENT APPLICATION**
Title **GENERAL ARRANGEMENT PLAN**

Status PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES			
PRELIMINARY DATUM	A.H.D.	Scale 1:500	Size A1
Drawing Number 210113-TC2-DA-010			Revision 05



Rev.	Date	Description	Des.	Verif.	Appd.
05	23.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
04	16.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
03	10.05.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
02	17.02.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
01	30.01.17	ISSUED FOR CLIENT REVIEW	MDH	MKH	

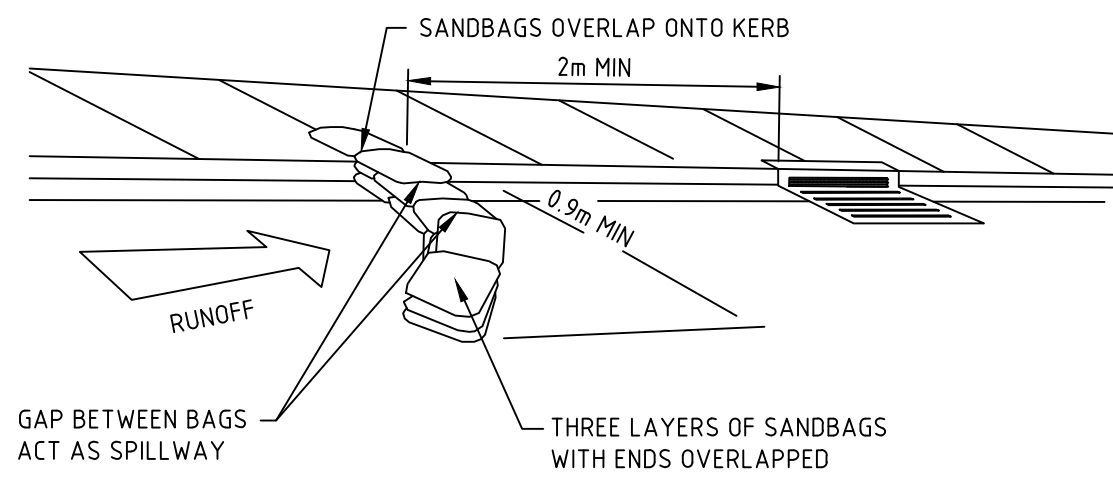


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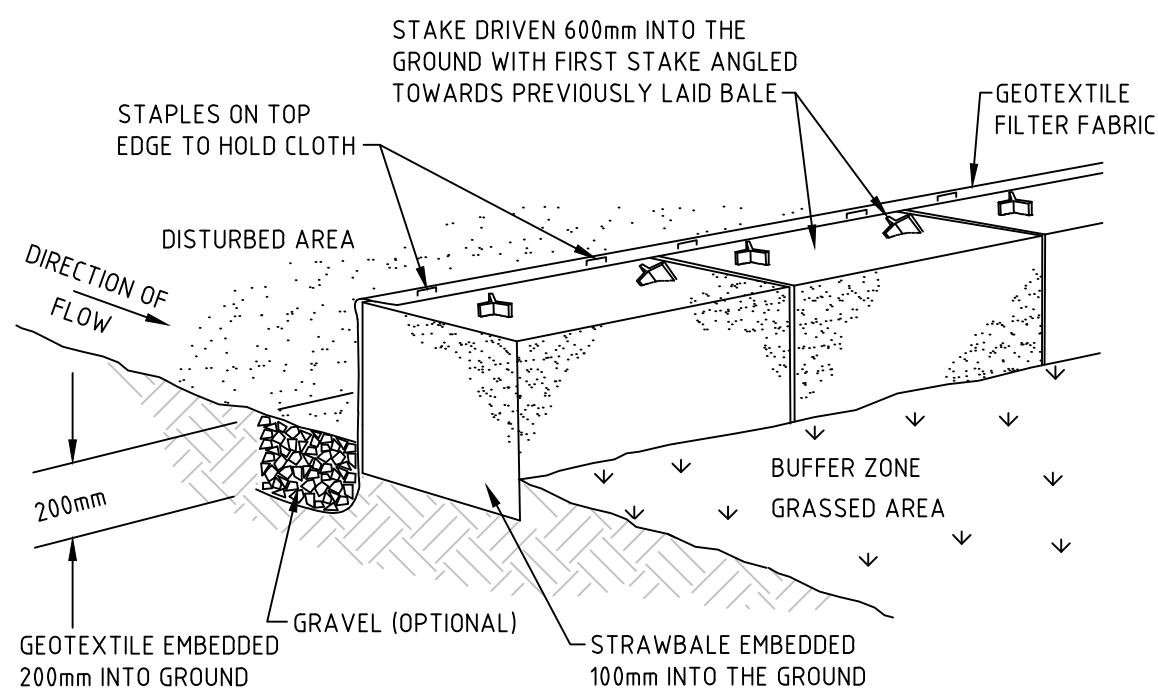


Drawn MDH	Date JAN'17	Client DART WEST DEVELOPMENTS
Checked MKH	Date MDH	Project GREGORY HILLS
Designed AP	Date JAN'17	TOWN CENTRE STAGE 2
Verified MKH	Date JAN'17	DEVELOPMENT APPLICATION
Approved MKH	Date FEB'17	EROSION & SEDIMENT CONTROL AND DEMOLITION PLAN
Status PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Preliminary Datum		Scale 1:500
Drawing Number 210113-TC2-DA-020		Size A1
		Revision 05

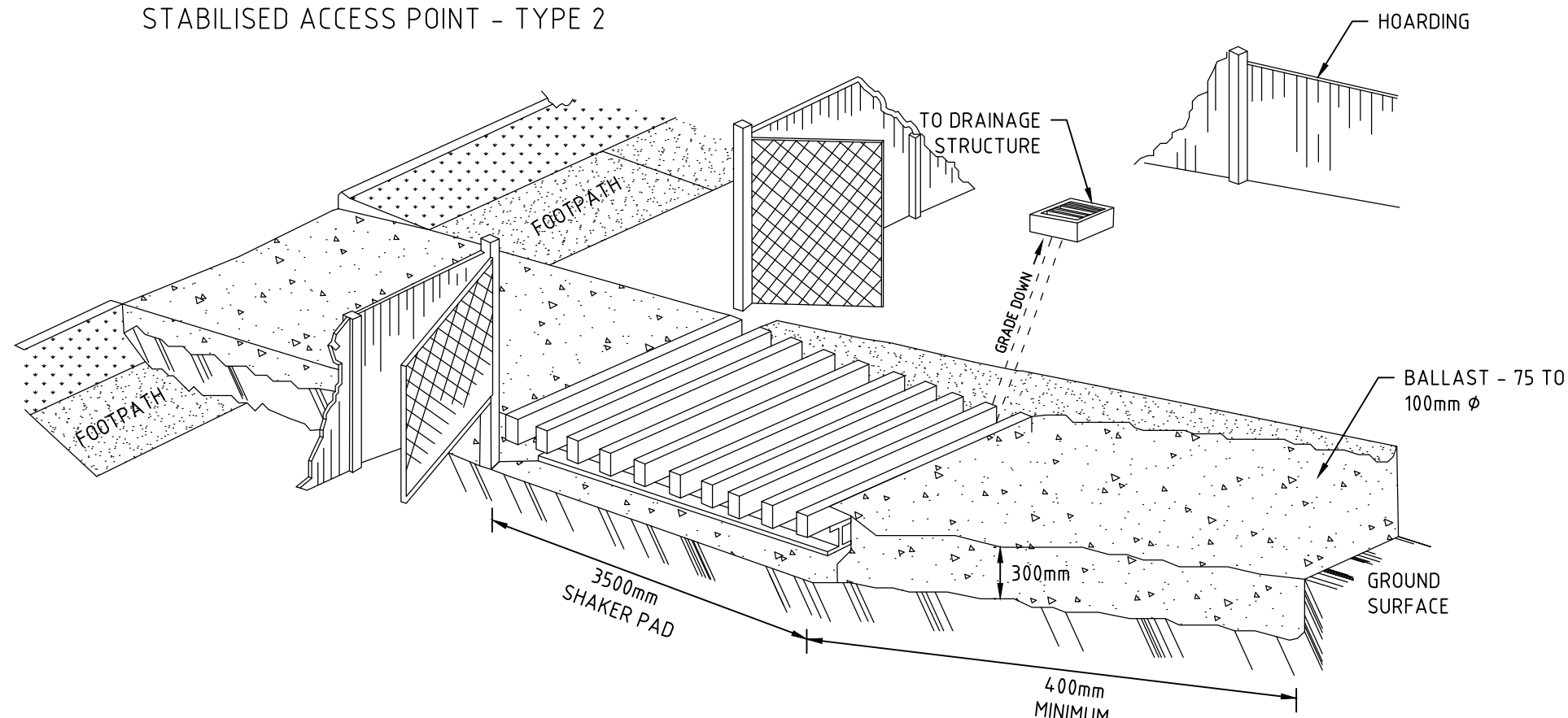
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**SANDBAG SEDIMENT TRAP
FOR KERB INLET ON GRADE**
NTS



STRAWBALE AND GEOTEXTILE SEDIMENT FILTER
NTS

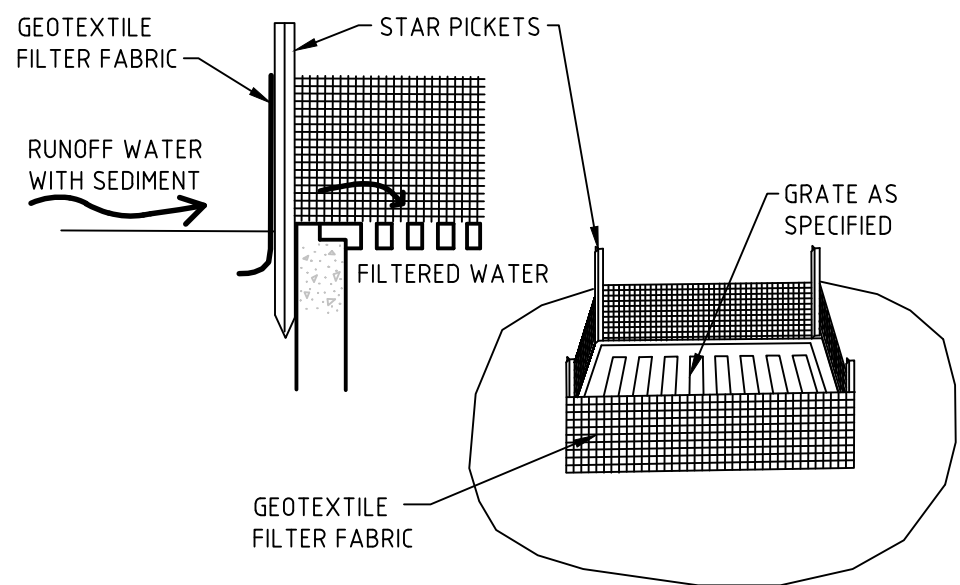


- IN BOTH TYPE I AND TYPE II SAP'S, THE TEMPORARY VEHICULAR CROSSING MUST:
- CONNECT TO AN EXISTING GUTTER LAYBACK (WHERE THE KERB AND GUTTER EXIST). IF A GUTTER LAYBACK DOES NOT EXIST THEN THE CONNECTION MUST BE MADE TO THE GUTTER BY REMOVING THE ADJCENT KERB SECTION ONLY.
 - CONNECT TO A DISH CROSSING (WHERE KERB AND GUTTER DOES NOT EXIST). IF A DISH CROSSING DOES NOT EXIST, THEN IT MUST BE CONSTRUCTED IN ACCORDANCE WITH DETAILS CONTAINED IN COUNCIL'S ISSUED FOOTPATH CROSSING LEVELS.

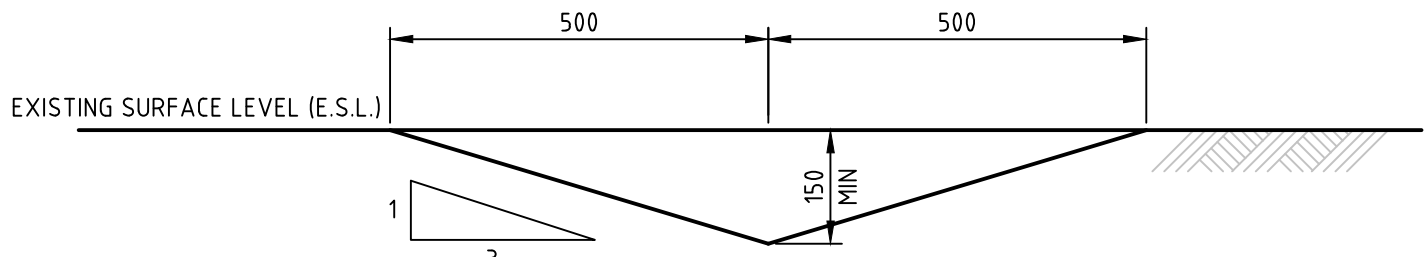
SHAKER PAD (CATTLE GRID)

A CORRECTLY DESIGNED AND INSTALLED SHAKER PAD WILL ASSIST IN PREVENTING SEDIMENT TRANSFERE FROM A SITE. ANY STABILISED ACCESS POINT (SAP) CAN BE DESIGNED WITH A SHAKER PAD (COMPULSOPRY IN TYPE II SAP'S). SHAKER PADS CAN BE DESIGNED AND CONSTRUCTED TO ENABLE RE-USE ON FUTURE PROJECTS.

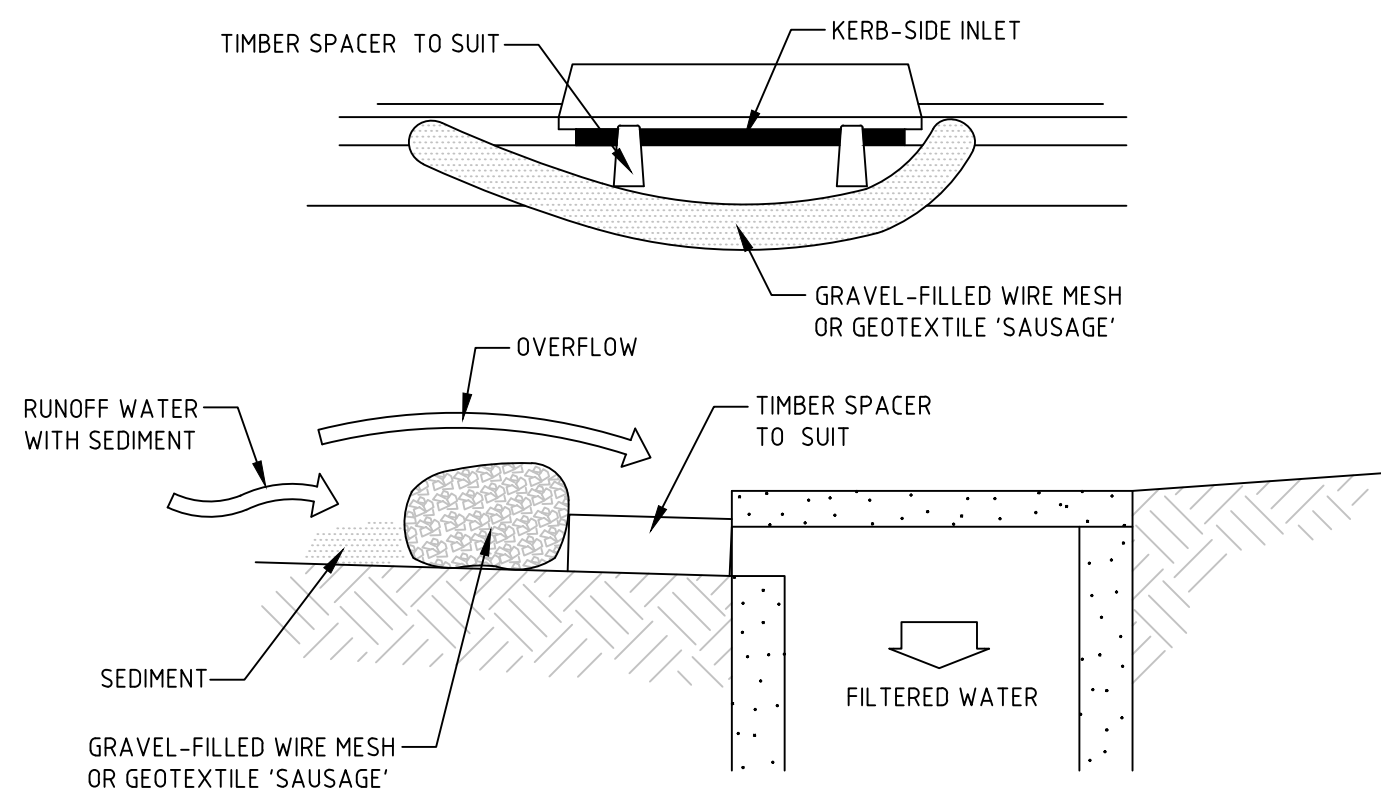
- THE SHAKER PAD:
- MUST BE DESIGNED AND CERTIFIED BY A PRACTICING STRUCTURAL ENGINEER. THE CERTIFIED DESIGN SHOULD BE SUBMITTED WITH THE RELEVANT APPLICATION.
 - CAN BE CONSTRUCTED FROM ANY SUITABLE MATERIAL.
 - MUST BE LOCATED ON A SUITABLY PREPARED AND COMPACTED SUB-GRADE/BASE MATERIAL.
 - MUST BE SITUATED SUCH THAT THE RUNGS OF THE SHAKER PAD ARE LEVEL WITH THE ADJOINING NATURAL SURFACE.
 - MUST BE A MINIMUM OF 3.5m IN LENGTH.
 - MUST BE A MINIMUM OF 3.5m IN WIDTH.
 - MUST HAVE CLEAR SPACING BETWEEN RUNGS OF 200 - 250mm.
 - RUNGS MUST HAVE A MAXIMUM WIDTH (BEARING AREA) OF 75mm.
 - MUST HAVE A MINIMUM CLEAR DEPTH OF 300mm IE FORM THE ROP OF THE RUNG TO THE FINISHED SUB-GRADE/BASE LEVEL.



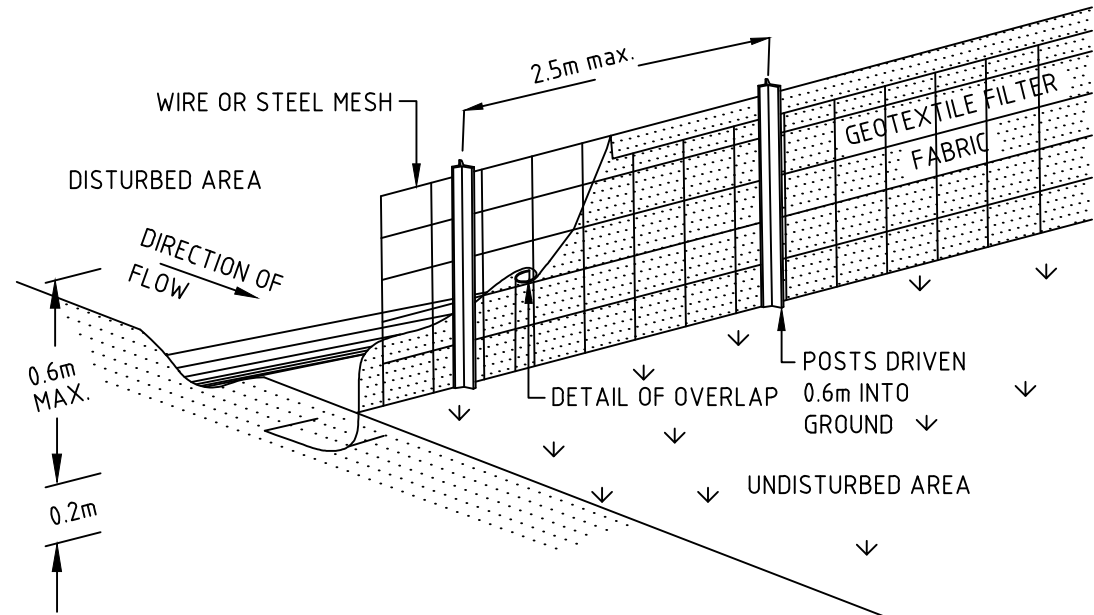
GEOTEXTILE FILTER PIT SURROUND
NTS



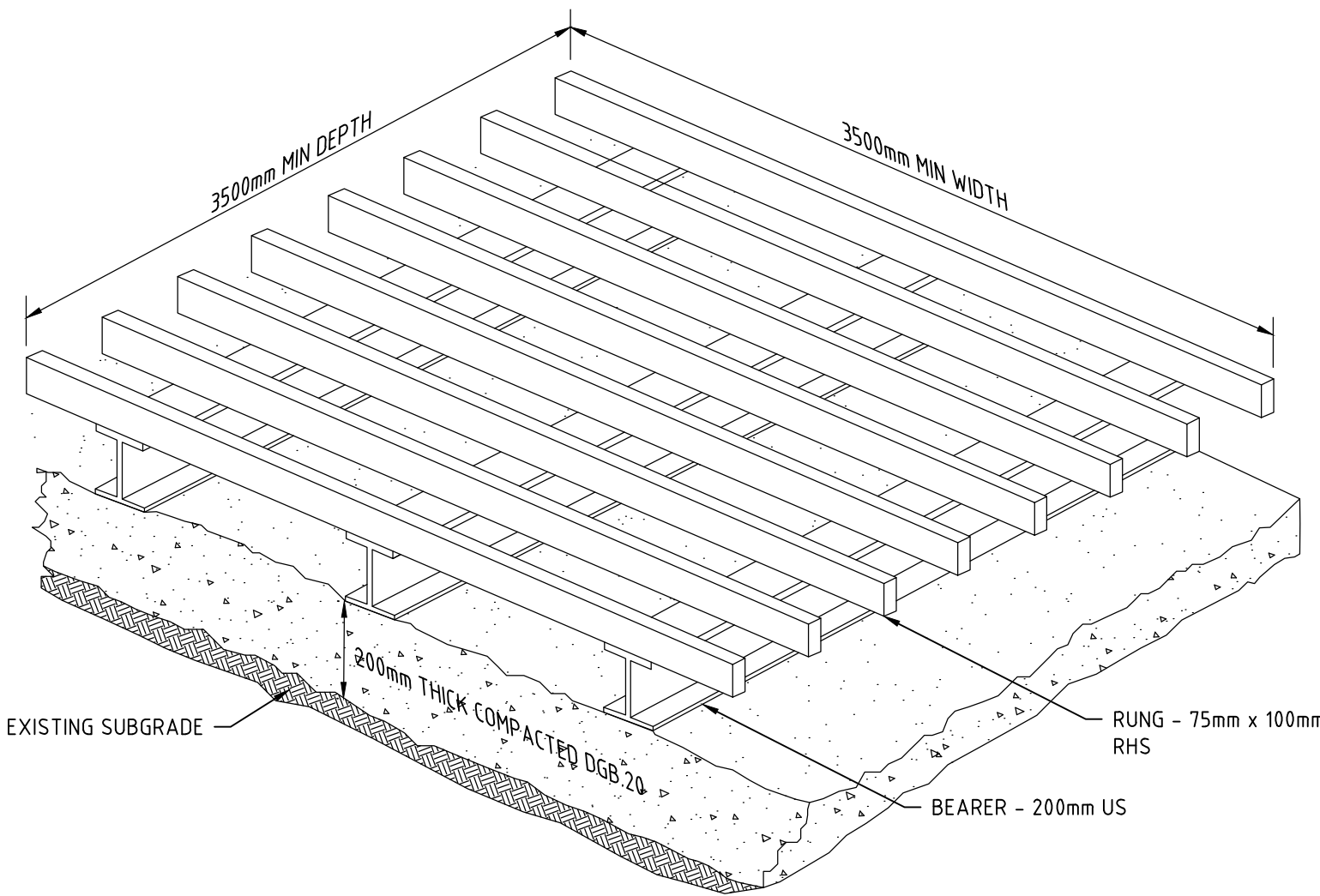
**TEMPORARY CATCH DRAIN
(MIN. FALL 1%)**
NTS



MESH AND GRAVEL INLET FILTER
NTS



SEDIMENT FENCE
NTS



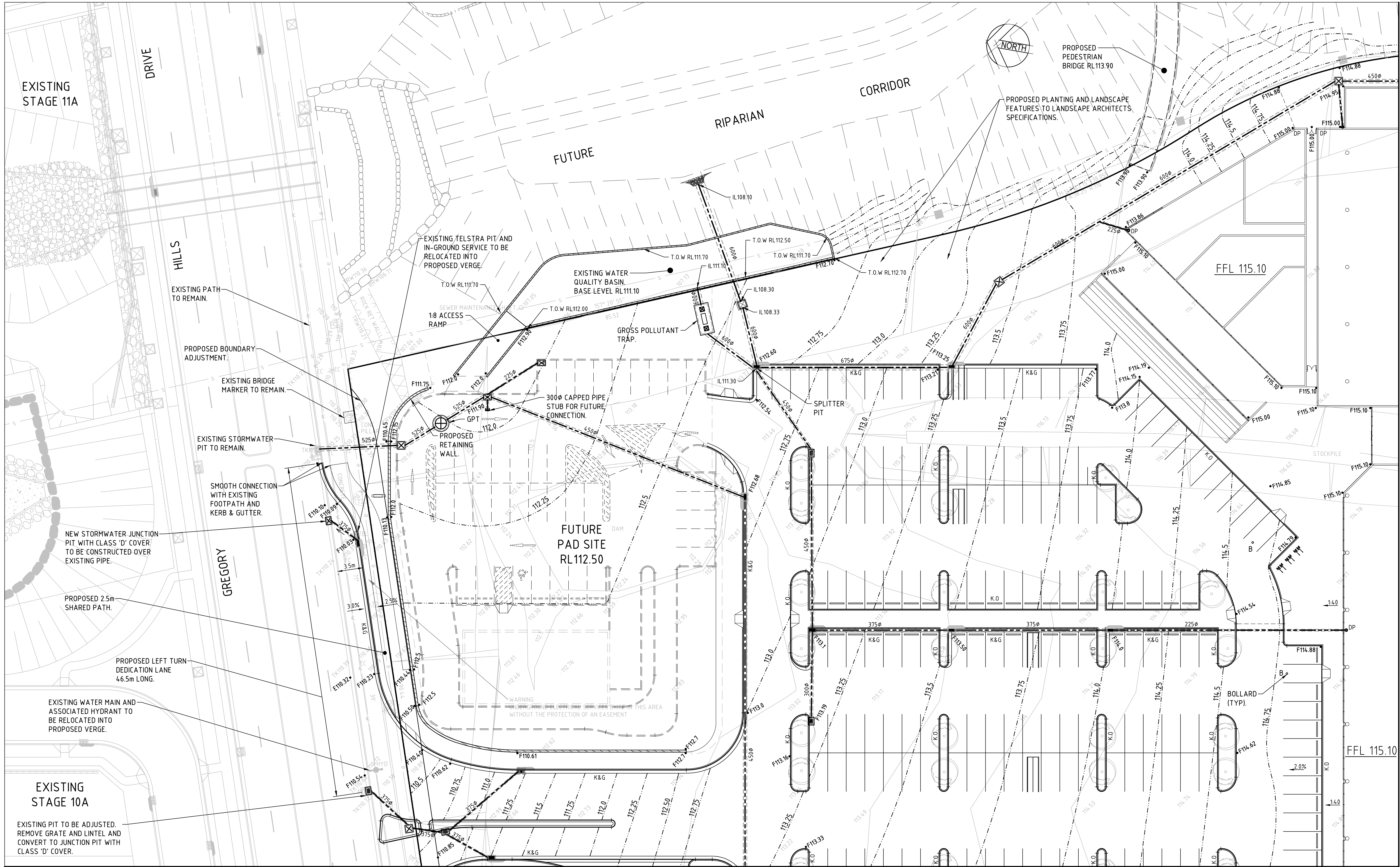
STABILISED SITE ACCESS AND TRUCK WASH DOWN AREA
NTS

Rev.	Date	Description	Des.	Verif.	Appd.
03	16.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
02	17.02.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
01	30.01.17	ISSUED FOR CLIENT REVIEW	MDH	MKH	

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Checked MKH	Date MDH	Project GREGORY HILLS	NOT TO BE USED FOR CONSTRUCTION PURPOSES
Designed AP	Date JAN'17	TOWN CENTRE STAGE 2	PRELIMINARY
Verified MKH	Date JAN'17	DEVELOPMENT APPLICATION	DATUM
Approved		SEDIMENT AND EROSION CONTROL DETAILS	A.H.D.
			Scale AS SHOWN
			Size A1
			Drawing Number 210113-TC2-DA-021
			Revision 03



FOR CONTINUATION REFER DRAWING 210113-TC2-DA032

Rev.	Date	Description	Des.	Verif.	Appd.
03	16.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
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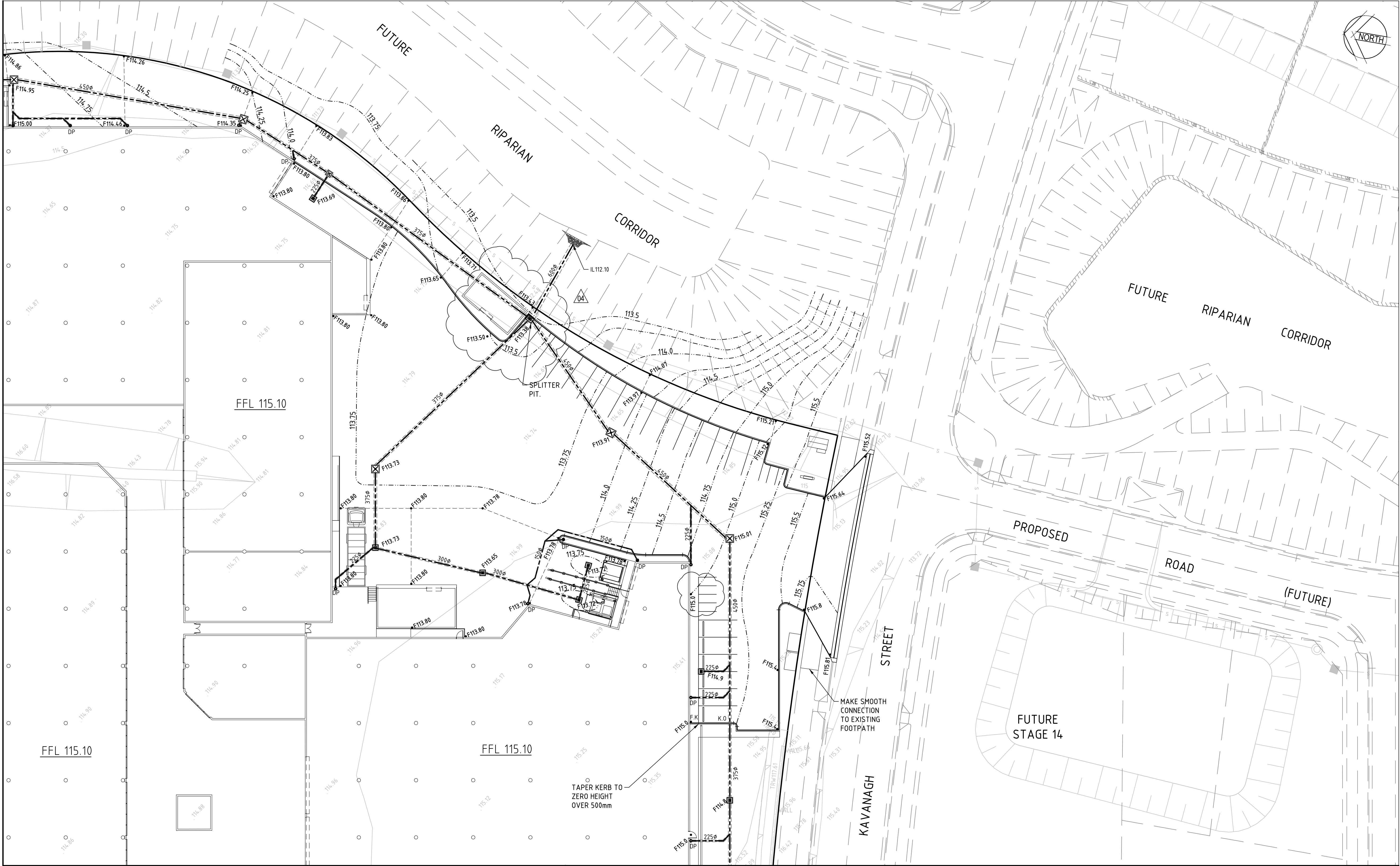
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Checked	MKH
Designed	AP
Verified	MKH
Approved	MKH

Date	JAN'17
Client	DART WEST DEVELOPMENTS
Date	MDH
Project	GREGORY HILLS
Date	JAN'17
Development Application	TOWN CENTRE STAGE 2
Date	JAN'17
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 1

Status	PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION PURPOSES	
PRELIMINARY DATUM	A.H.D.
Scale	1:250
Size	A1
Drawing Number	210113-TC2-DA-030
Revision	03

DATE PLOTTED: 23 October 2017 9:04 AM BY: MARK HENNESSEY

FOR CONTINUATION REFER DRAWING 210113-TC2-DA030



FOR CONTINUATION REFER DRAWING 210113-TC2-DA033

Rev.	Date	Description	Des.	Verif.	Appd.
04	23.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
03	16.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
02	17.02.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
01	30.01.17	ISSUED FOR CLIENT REVIEW	MDH	MKH	



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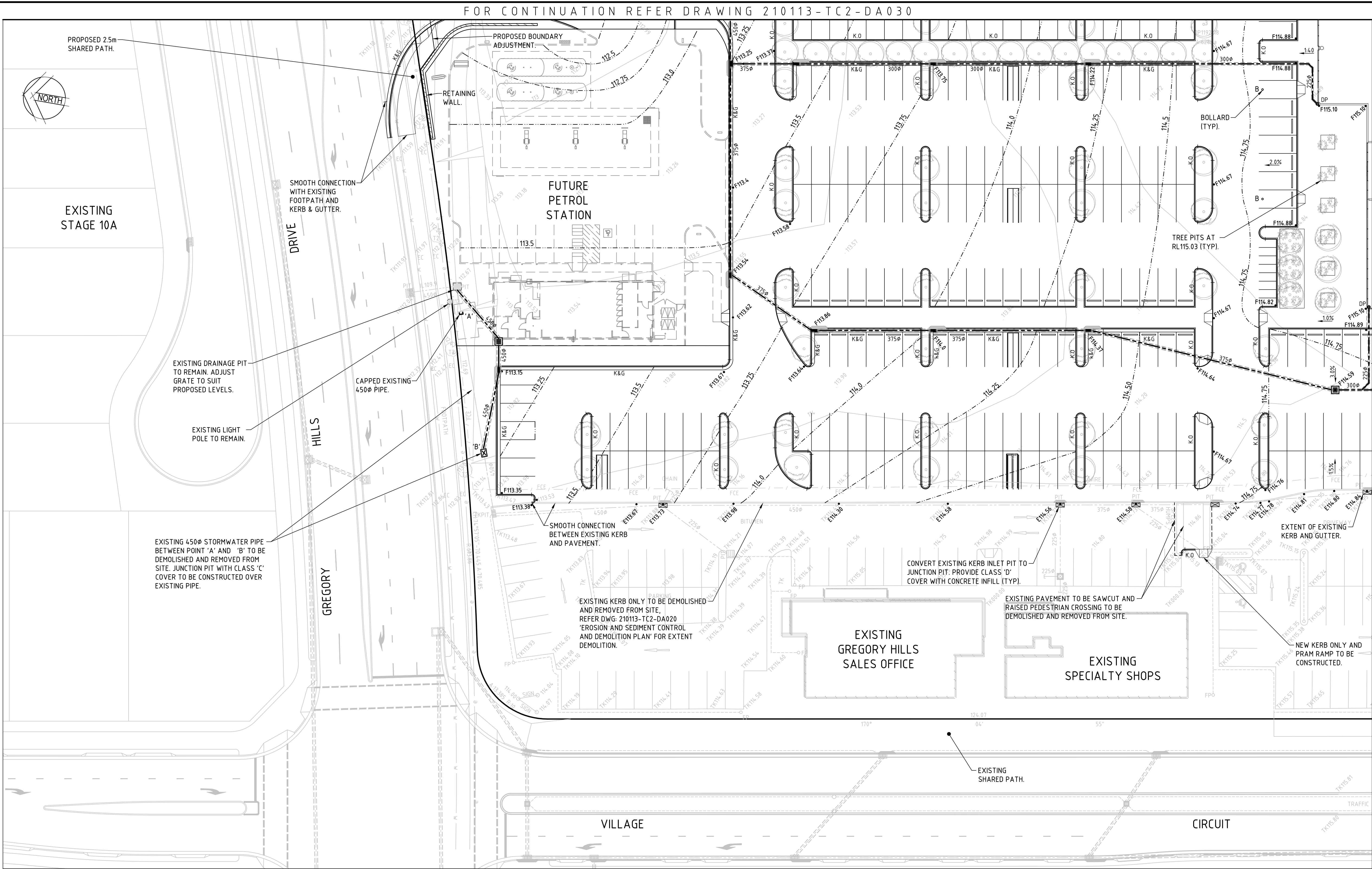
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Checked	MKH	Date	MDH
Designed	AP	Date	JAN'17
Verified	MKH	Date	JAN'17
Approved	MKH	Date	FEB'17

Client	DART WEST DEVELOPMENTS
Project	GREGORY HILLS TOWN CENTRE STAGE 2 DEVELOPMENT APPLICATION
Title	SITWORKS AND STORMWATER DRAINAGE PLAN SHEET 2

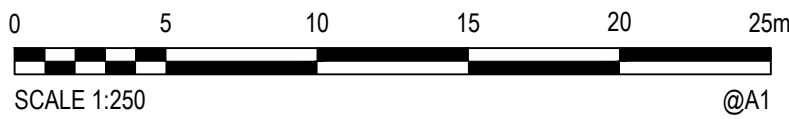
Status	PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES		
PRELIMINARY DATUM	A.H.D.	Scale 1:250	Size A1
Drawing Number	210113-TC2-DA-031		Revision 04

DATE PLOTTED: 23 October 2017 9:09 AM BY: MARK HENNESSEY

XREF's: 59620 LD_A.m.x - 210113 - Future TCP - Base Plan, X - 210113 - TC2DA - Siteworks, X-210113-711-DA-Existing Works, X-210113 - TC2DA - Proposed 7-11, A06-01-DWG (DA-03).m
CAD File: N:\Paramatna\Projects\Norwest\210113 - Gregory Hills Town Centre\Drawings\Build\210113-TC2-DA032-SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3.dwg



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04	16.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
03	10.05.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
02	17.02.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
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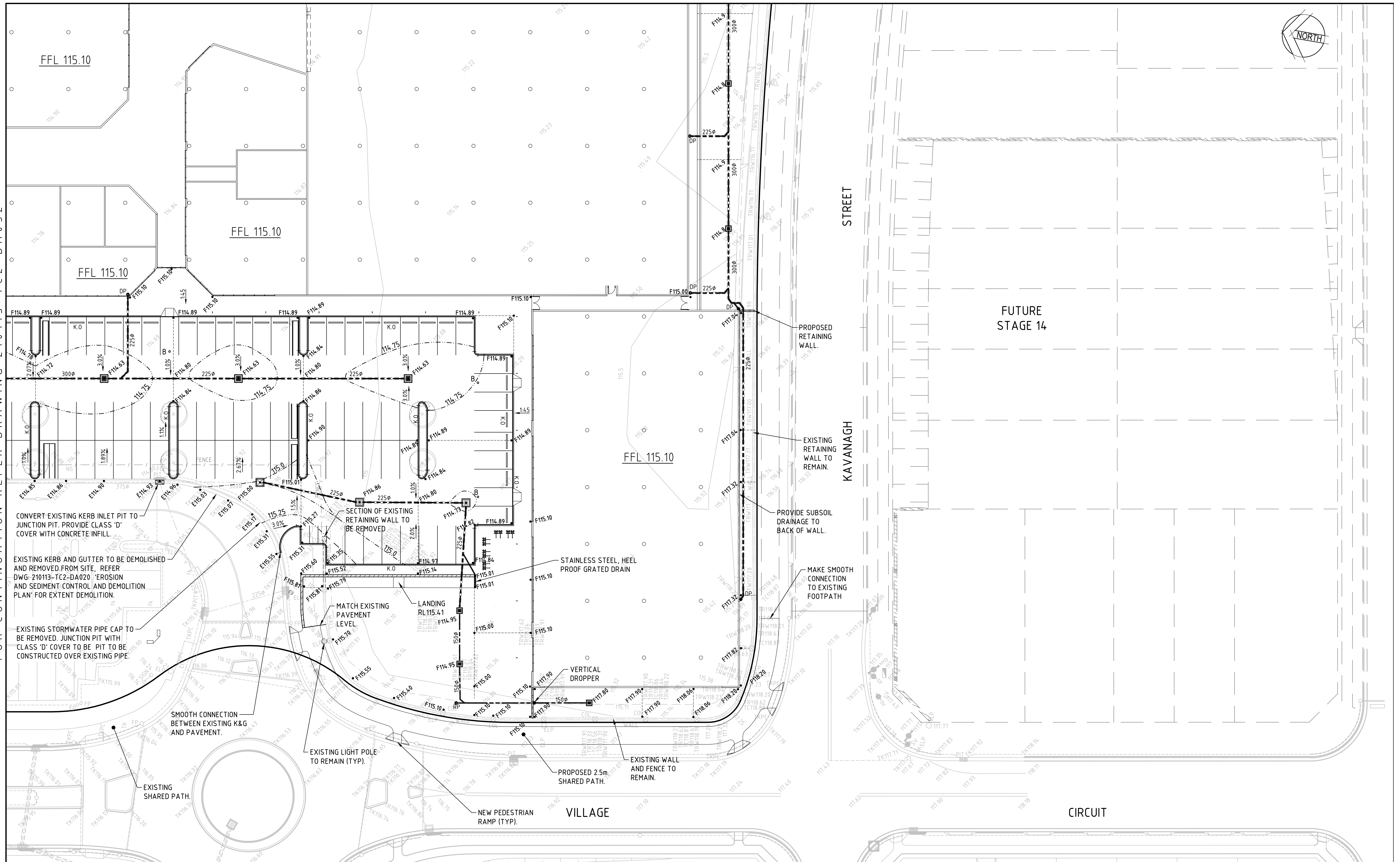
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Designed	AP	Date	JAN'17
Verified	MDH	Date	JAN'17
Approved	MDH	Date	FEB'17

Client	DART WEST DEVELOPMENTS
Project	GREGORY HILLS TOWN CENTRE STAGE 2 DEVELOPMENT APPLICATION
Title	SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 3

Status	PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION PURPOSES	
PRELIMINARY DATUM	A.H.D.
Scale	1:250
Size	A1
Drawing Number	210113-TC2-DA-032
Revision	04

FOR CONTINUATION REFER DRAWING 210113-TC2-DA0322

CAD File: N:\Paramatta\Projects\Norwest\210113 - Gregory Hills Town Centre\Drawings\Build\DA\210113-TC2-DA033-SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4.dwg



03	16.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
02	17.02.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
01	30.01.17	ISSUED FOR CLIENT REVIEW	MDH	MKH	
Rev.	Date	Description	Des.	Verif.	Appd.

0 5 10 15 20 25m

SCALE 1:250 @A1

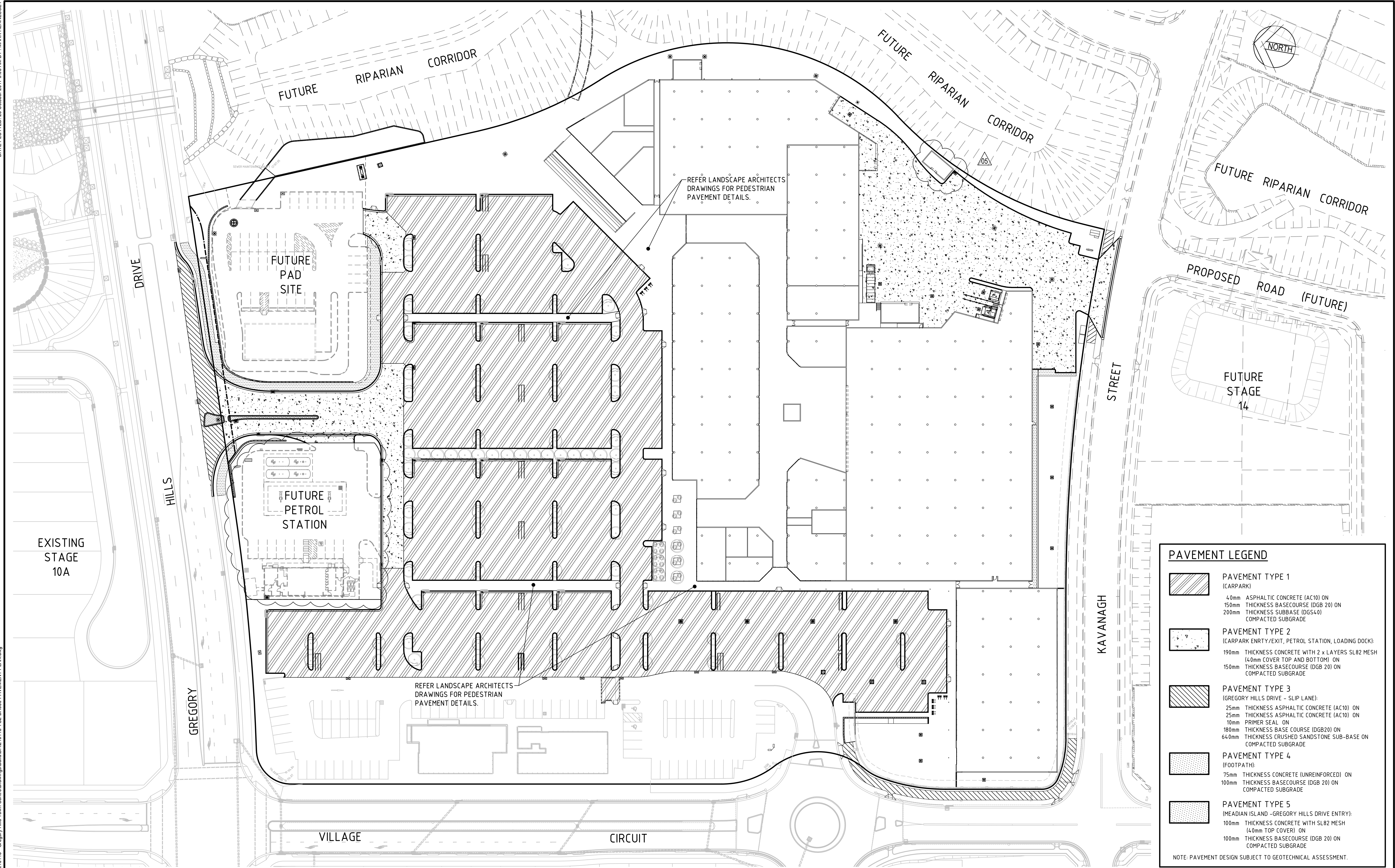
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Checked MKH	Date MDH	Project GREGORY HILLS TOWN CENTRE STAGE 2 DEVELOPMENT APPLICATION	Status PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES			
Designed AP	Date JAN'17		PRELIMINARY DATUM	A.H.D.	Scale 1:250	Size A1
Verified MKH	Date JAN'17	Title SITEWORKS AND STORMWATER DRAINAGE PLAN SHEET 4	Drawing Number 210113-TC2-DA-033			Revision 03
Approved						
MKH	FEB'17					

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CAD File: N:\Paramatta\Projects\Norwest\210113 - Gregory Hills Town Centre\Drawings\Build\DA\210113-TC2-DA050-PAVEMENT PLAN.dwg



PAVEMENT LEGEND			
	PAVEMENT TYPE 1 (CARPARK)	40mm ASPHALTIC CONCRETE (AC10) ON 150mm THICKNESS BASECOURSE (DGB 20) ON 200mm THICKNESS SUBBASE (DGB 40) ON COMPACTED SUBGRADE	
	PAVEMENT TYPE 2 (CARPARK ENTRY/EXIT, PETROL STATION, LOADING DOCK)	190mm THICKNESS CONCRETE WITH 2 x LAYERS SL82 MESH (40mm COVER TOP AND BOTTOM) ON 150mm THICKNESS BASECOURSE (DGB 20) ON COMPACTED SUBGRADE	
	PAVEMENT TYPE 3 (GREGORY HILLS DRIVE - SLIP LANE)	25mm THICKNESS ASPHALTIC CONCRETE (AC10) ON 25mm THICKNESS ASPHALTIC CONCRETE (AC10) ON 10mm PRIMER SEAL ON 180mm THICKNESS BASE COURSE WITH SL82 MESH 640mm THICKNESS CRUSHED SANDSTONE SUB-BASE ON COMPACTED SUBGRADE	
	PAVEMENT TYPE 4 (FOOTPATH)	75mm THICKNESS CONCRETE (UNREINFORCED) ON 100mm THICKNESS BASECOURSE (DGB 20) ON COMPACTED SUBGRADE	
	PAVEMENT TYPE 5 (MEADIAN ISLAND - GREGORY HILLS DRIVE ENTRY)	100mm THICKNESS CONCRETE WITH SL82 MESH (40mm TOP COVER) ON 100mm THICKNESS BASECOURSE (DGB 20) ON COMPACTED SUBGRADE	
NOTE: PAVEMENT DESIGN SUBJECT TO GEOTECHNICAL ASSESSMENT.			

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03	10.05.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
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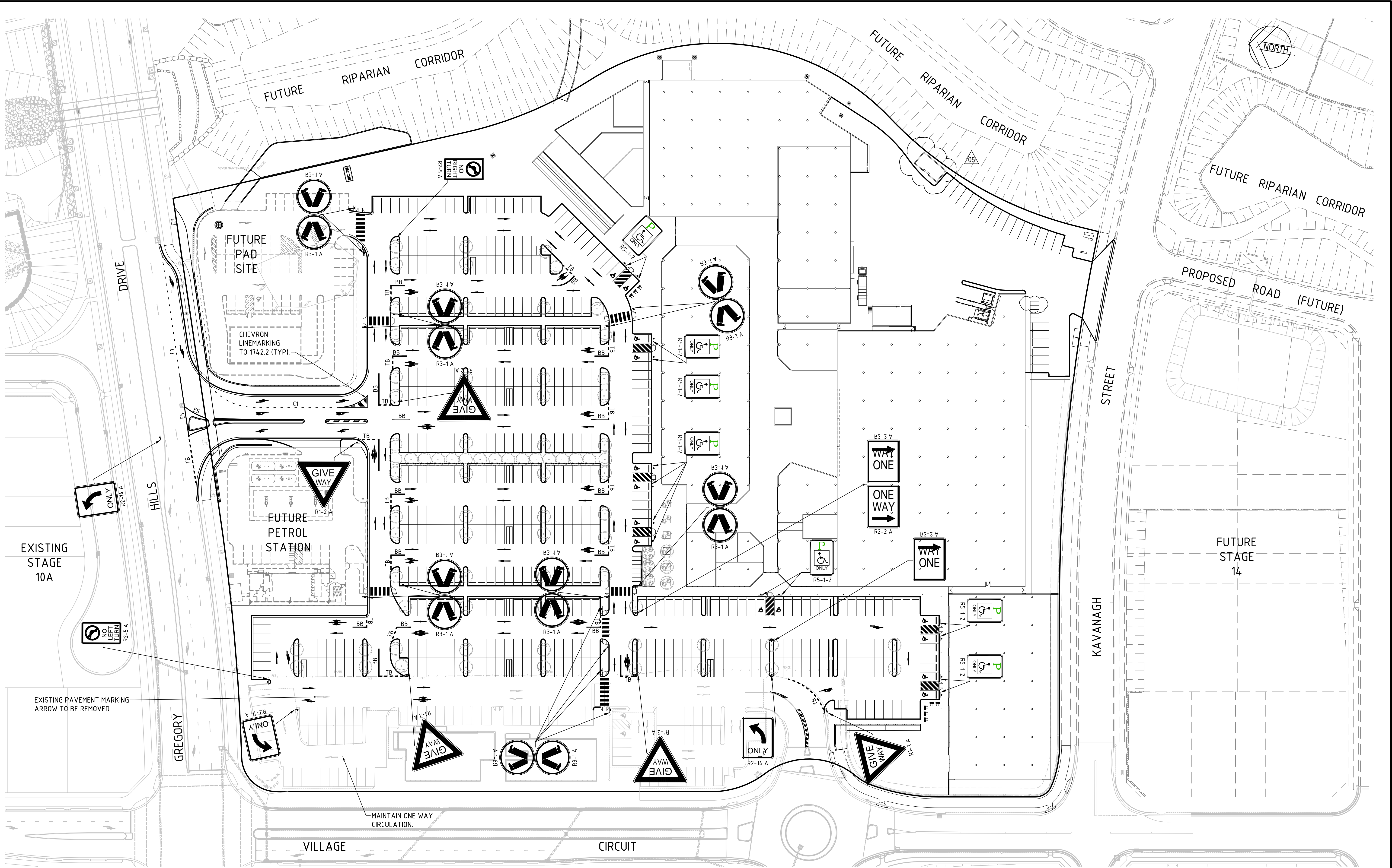
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Checked	MKH	Date	MDH
Designed	AP	Date	JAN'17
Verified	MKH	Date	JAN'17
Approved			
	MKH		FEB'17

Client	DART WEST DEVELOPMENTS
Project	GREGORY HILLS TOWN CENTRE STAGE 2 DEVELOPMENT APPLICATION
Title	PAVEMENT PLAN

Status				<div>PRELIMINARY</div> <div>NOT TO BE USED FOR CONSTRUCTION PURPOSES</div>	
PRELIMINARY					
DATUM		A.H.D.	Scale	Size	
			1:500	A1	
Drawing Number					Revision
210113-TC2-DA-050					05



Rev.	Date	Description	Des.	Verif.	Appd.
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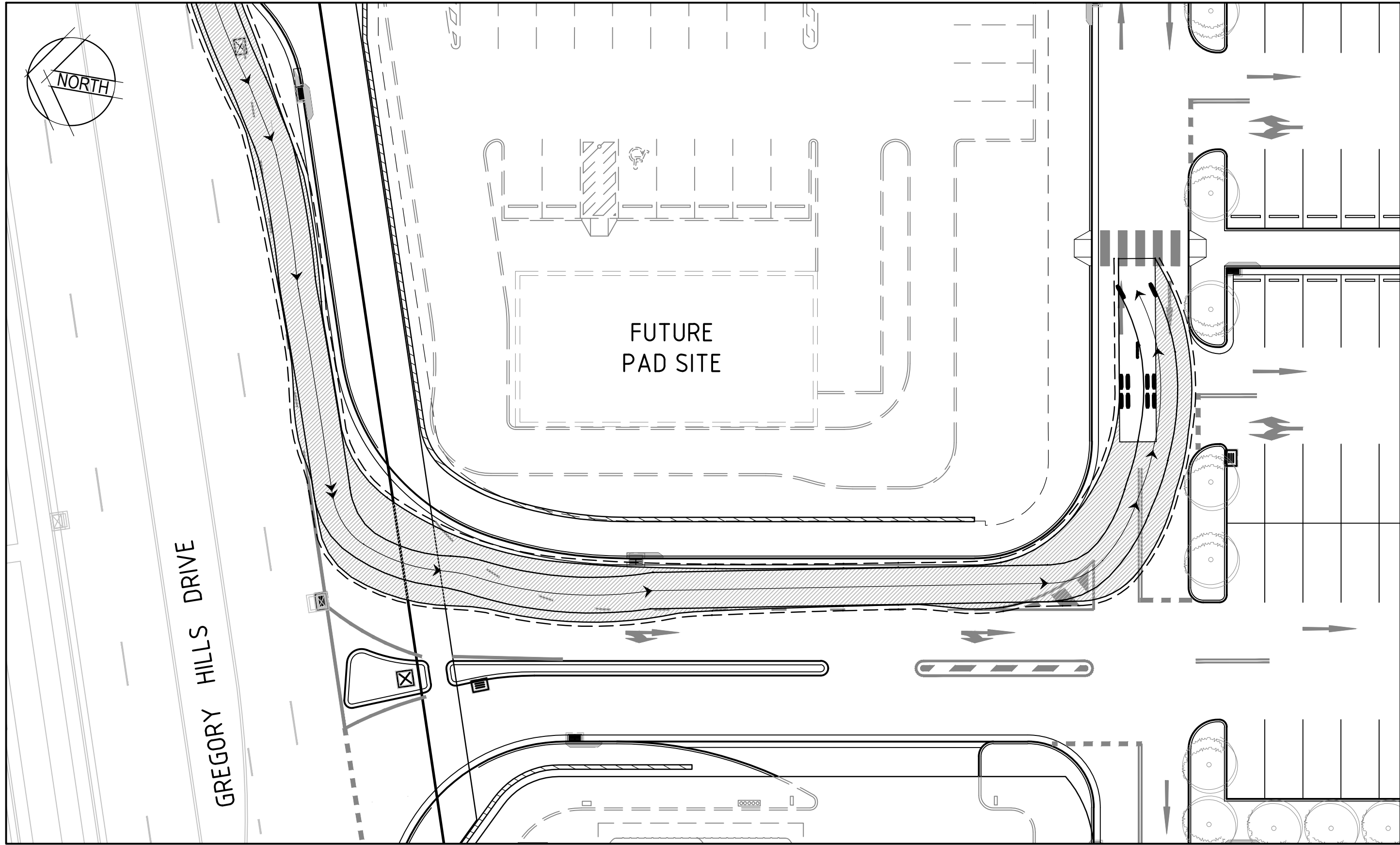
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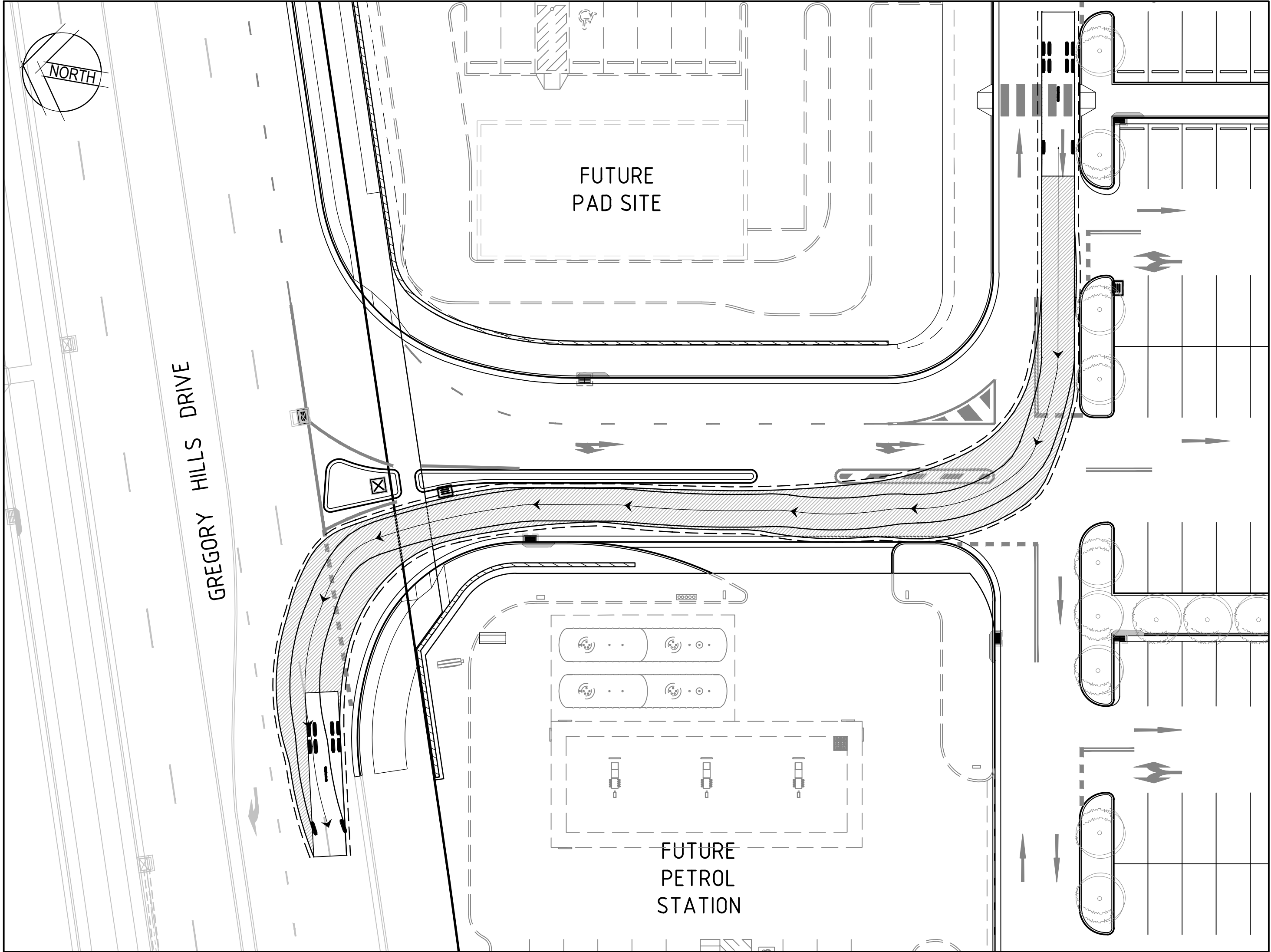
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Designed	AP	Date	JAN'17
Verified	MKH	Date	JAN'17
Approved		Date	

Client	DART WEST DEVELOPMENTS
Project	GREGORY HILLS TOWN CENTRE STAGE 2 DEVELOPMENT APPLICATION
Title	SIGNAGE AND LINEMARKING PLAN

Status	PRELIMINARY		
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
PRELIMINARY DATUM	A.H.D.	Scale 1:500	Size A1
Drawing Number 210113-TC2-DA-060			Revision 05



12.5m HEAVY RIGID - ENTRY FROM GREGORY HILLS DRIVE
SCALE 1:250



12.5m HEAVY RIGID - EXIT TO GREGORY HILLS DRIVE
SCALE 1:250

NOTE:
TURNING PATH DESIGN -
AUSTRROADS 2013 VEHICLE
TEMPLATES USED.

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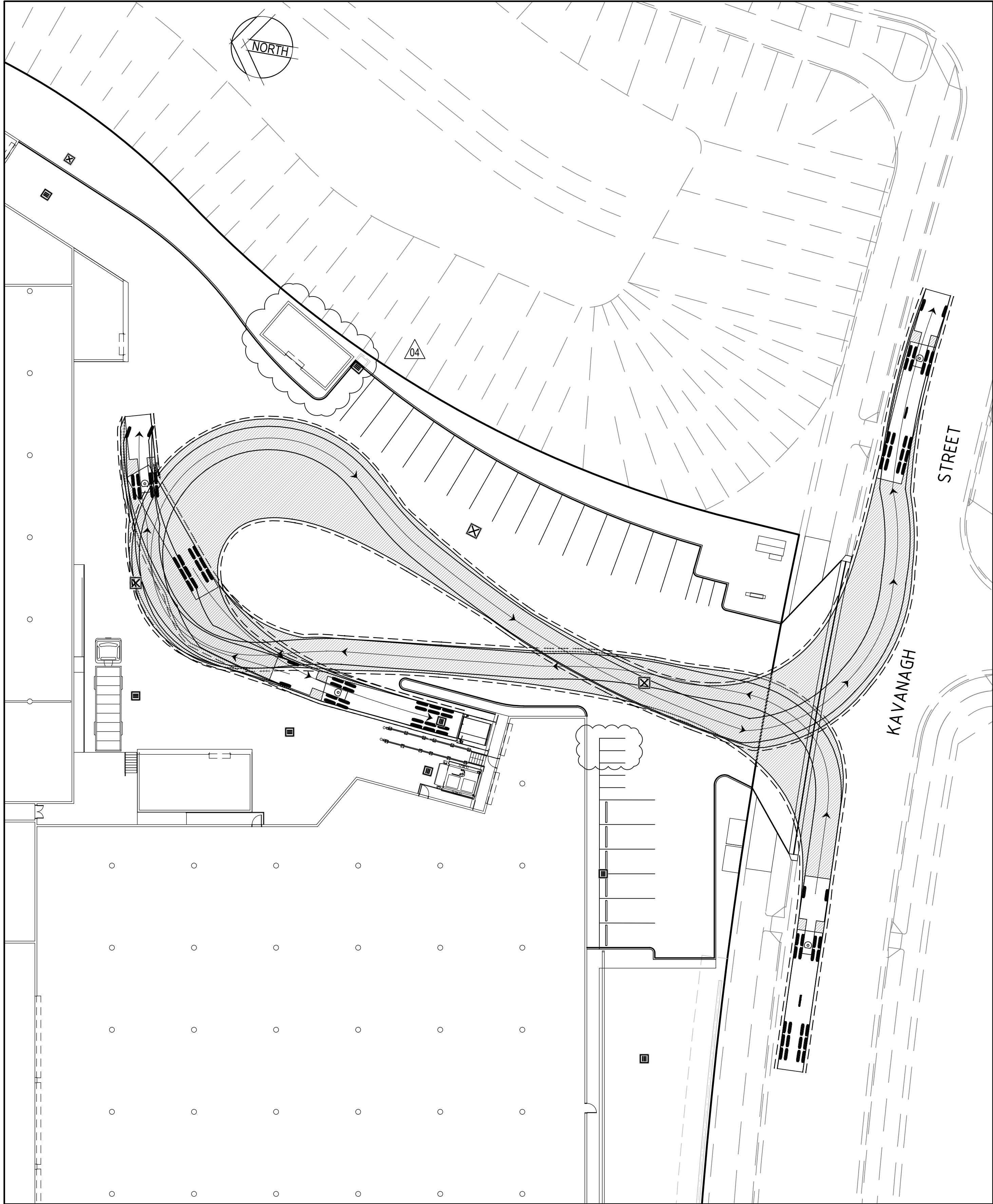
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Designed	AP	Date	JAN'17
Verified	MKH	Date	JAN'17
Approved	MKH	Date	FEB'17

Client DART WEST DEVELOPMENTS
Project GREGORY HILLS
TOWN CENTRE STAGE 2
DEVELOPMENT APPLICATION
Title TURNING PATH PLAN
SHEET 1

Status			
PRELIMINARY			
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
PRELIMINARY		Scale	Size
DATUM	A.H.D.	1:250	A1
Drawing Number			Revision
210113-TC2-DA-080			04

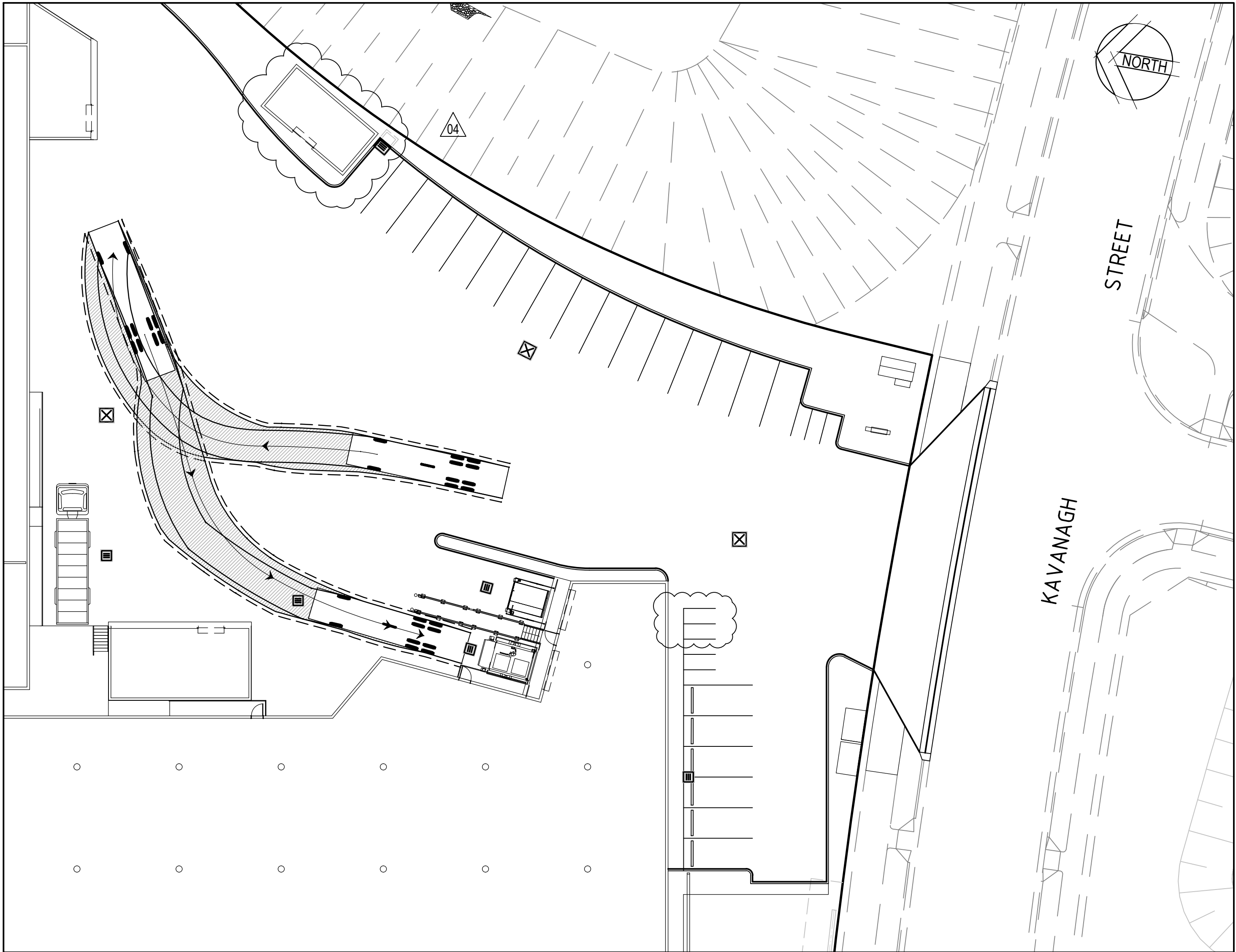
DATE PLOTTED: 23 October 2017 9:06 AM BY: MARK HENNESSEY

CAD File: N:\Paramatta\Projects\Norwest\210113 - Gregory Hills Town Centre\Drawings\Build\DA\210113-TC2-DA081-TURNING PATH PLAN SHEET 2.dwg



19m SEMI-TRAILER - ENTRY INTO LOADING DOCK 1 AND EXIT TO KAVANAGH STREET

SCALE 1:250



12.5m HEAVY RIGID TRUCK - ENTRY INTO LOADING DOCK 2

SCALE 1:250

NOTE:
TURNING PATH DESIGN -
AUSTRROADS 2013 VEHICLE
TEMPLATES USED.

Rev.	Date	Description	Des.	Verif.	Appd.
04	23.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
03	16.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
02	17.02.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
01	30.01.17	ISSUED FOR CLIENT REVIEW	MDH	MKH	



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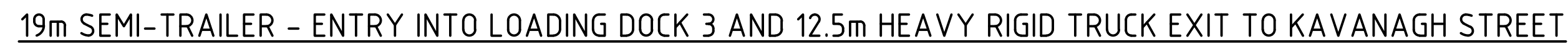
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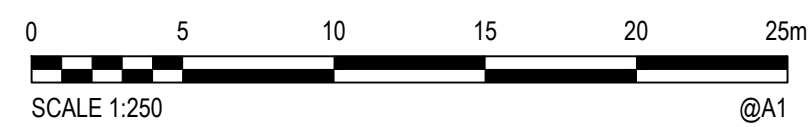
Drawn	MDH	Date	JAN'17
Checked	MKH	Date	MDH
Designed	AP	Date	JAN'17
Verified	MKH	Date	JAN'17
Approved		Date	
	MKH	Date	FEB'17

Client	DART WEST DEVELOPMENTS
Project	GREGORY HILLS TOWN CENTRE STAGE 2 DEVELOPMENT APPLICATION
Title	TURNING PATH PLAN SHEET 2

Status			
PRELIMINARY			
NOT TO BE USED FOR CONSTRUCTION PURPOSES			
PRELIMINARY DATUM	A.H.D.	Scale 1:250	Size A1
Drawing Number 210113-TC2-DA-081			Revision 04



SCALE 1:250

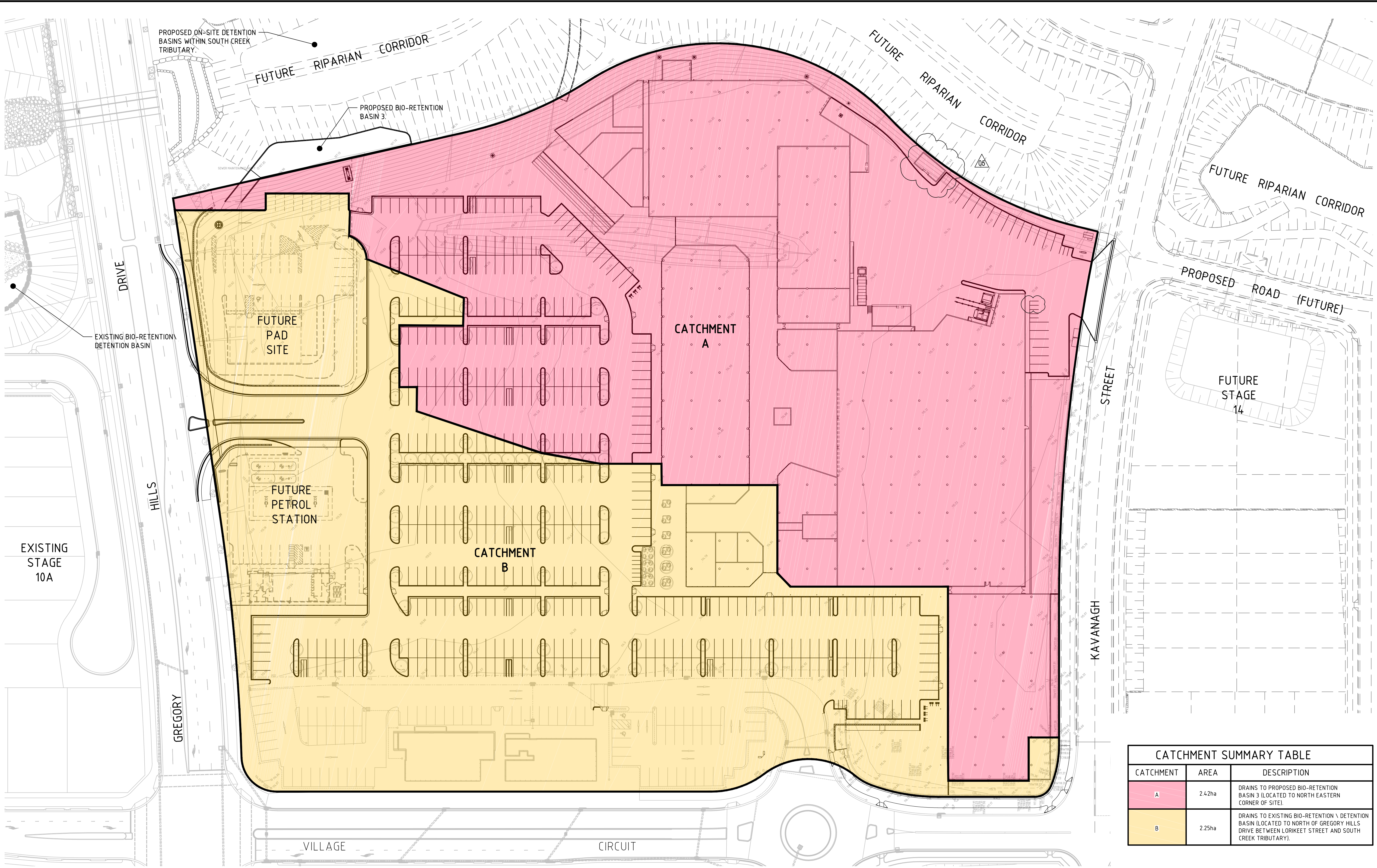
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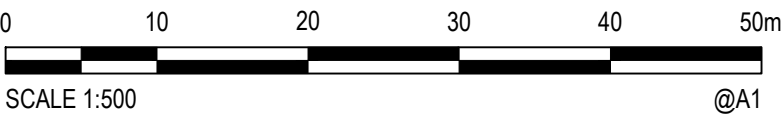
Drawn MDH	Date JAN'17	Client DART WEST DEVELOPMENTS			
Checked MDH	Date MKH	Project GREGORY HILLS TOWN CENTRE STAGE 2 DEVELOPMENT APPLICATION	Status PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES		
Designed AP	Date JAN'17	Title TURNING PATH PLAN SHEET 3	PRELIMINARY DATUM	Scale A.H.D. 1:250	Size A1
Verified MKH	Date JAN'17		Drawing Number 210113-TC2-DA-082		Revision 04
Approved					
MKH	FEB'17				

NOTE:
TURNING PATH DESIGN -
AUSTRROADS 2013 VEHICLE
TEMPLATES USED.



CATCHMENT SUMMARY TABLE		
CATCHMENT	AREA	DESCRIPTION
A	2.42ha	DRAINS TO PROPOSED BIO-RETENTION BASIN 3 (LOCATED TO NORTH EASTERN CORNER OF SITE).
B	2.25ha	DRAINS TO EXISTING BIO-RETENTION DETENTION BASIN (LOCATED TO NORTH OF GREGORY HILLS DRIVE BETWEEN LORIKEET STREET AND SOUTH CREEK TRIBUTARY).

Rev.	Date	Description	Des.	Verif.	Appd.
05	23.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
04	16.10.17	RE-ISSUED FOR DEVELOPMENT APPLICATION	MDH	MKH	
03	10.05.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
02	17.02.17	ISSUED FOR DEVELOPMENT APPLICATION	GC	MKH	
01	30.01.17	ISSUED FOR CLIENT REVIEW	MDH	MKH	



Drawn MDH	Date JAN'17	Client DART WEST DEVELOPMENTS
Checked MKH	Date MDH	Project GREGORY HILLS
Designed AP	Date JAN'17	TOWN CENTRE STAGE 2
Verified MKH	Date JAN'17	DEVELOPMENT APPLICATION
Approved		Title CATCHMENT PLAN
MKH	FEB'17	

Status PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES			
PRELIMINARY DATUM	A.H.D.	Scale 1:500	Size A1
Drawing Number 210113-TC2-DA-090			Revision 05