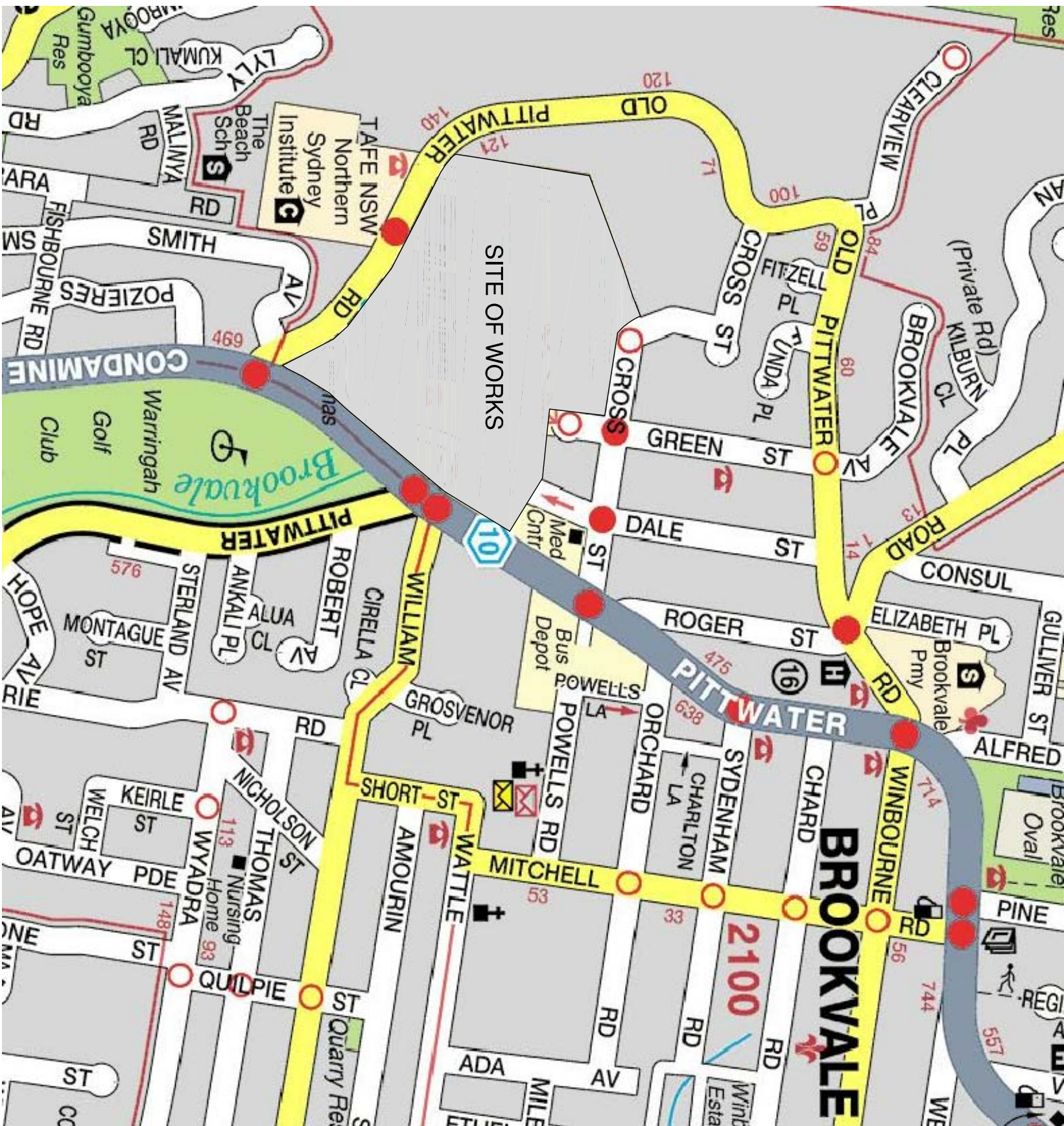
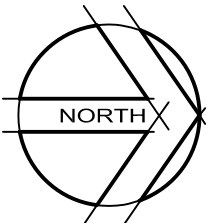


CONCEPT DRAINAGE AUGMENTATION WORKS

WARRINGAH MALL, BROOKVALE SECTION 96 APPLICATION



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LOCALITY PLAN
NOT TO SCALE

DRAWING SCHEDULE

- W4548-400 COVER SHEET, GENERAL NOTES AND DRAWING SCHEDULE
- W4548-401 GENERAL ARRANGEMENT PLAN MASTERPLAN
- W4548-402 GENERAL ARRANGEMENT PLAN MASTERPLAN WITH AERIAL OVERLAY
- W4548-411 DETAIL ARRANGEMENT PLAN CROSS STREET & BROOKVALE CREEK DETAILS
- W4548-412 DETAIL ARRANGEMENT PLAN DALE STREET ROUNDABOUT
- W4548-413 DETAIL ARRANGEMENT PLAN PITTWATER ROAD
- W4548-414 DETAIL ARRANGEMENT PLAN CONDOMINE STREET GPT
- W4548-420 DETAIL ARRANGEMENT PLAN GENERAL ARRANGEMENT PLAN
- W4548-421 DETAIL ARRANGEMENT PLAN CROSS STREET & BROOKVALE CREEK
- W4548-422 DETAIL ARRANGEMENT PLAN WOOLWORTHS LOADING DOCKS WORKS
- W4548-423 DETAIL ARRANGEMENT PLAN STARFISH CARPARK
- W4548-424 DETAIL ARRANGEMENT PLAN CROSS AND GREEN STREETS
- W4548-425 DETAIL ARRANGEMENT PLAN CROSS AND GREEN STREETS SECTIONS
- W4548-426 DETAIL ARRANGEMENT PLAN CROSS STREET ROUNDABOUT PLAN
- W4548-427 DETAIL ARRANGEMENT PLAN CROSS STREET ROUNDABOUT DETAILS
- W4548-428 DETAIL ARRANGEMENT PLAN TARGET ENTRY - CONCRETE PLANTER BOX
- W4548-429 DETAIL ARRANGEMENT PLAN DAVID JONES LOADING DOCK WORKS
- W4548-430 STORMWATER LONGSECTIONS - SHEET 1 of 2
- W4548-431 STORMWATER LONGSECTIONS - SHEET 2 of 2
- W4548-435 BUILDING DEMOLITION PLAN
- W4548-440 EROSION & SEDIMENT CONTROL PLAN SHEET 1 OF 6
- W4548-441 EROSION & SEDIMENT CONTROL PLAN SHEET 2 OF 6
- W4548-442 EROSION & SEDIMENT CONTROL PLAN SHEET 3 OF 6
- W4548-443 EROSION & SEDIMENT CONTROL PLAN SHEET 4 OF 6
- W4548-444 EROSION & SEDIMENT CONTROL PLAN SHEET 5 OF 6
- W4548-445 EROSION & SEDIMENT CONTROL PLAN SHEET 6 OF 6
- W4548-446 EROSION & SEDIMENT CONTROL DETAILS

Rev	Date	Description	Drawn	Appr.
1	2011/2013	PRELIMINARY	DH	DNA
2	30/07/2014	CULVERT AMENED THOUGH BRING LEE	DH	DNA
3	5/11/2014	FLOOD BARRIERS UPDATED	LJC	DNA



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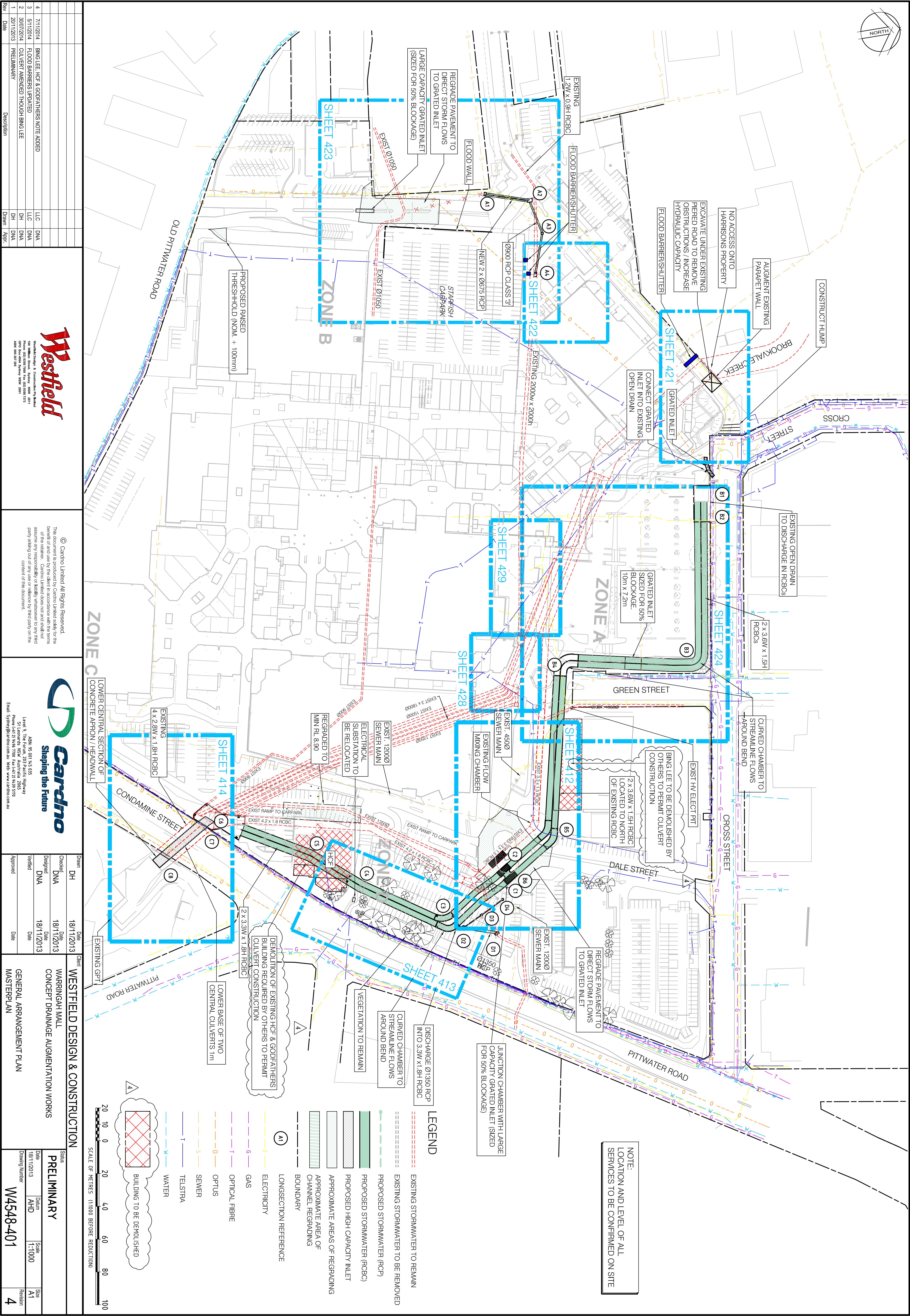
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Drawn	Date
DH	18/11/2013
Checked	Date
DNA	18/11/2013
Designed	Date
DNA	18/11/2013
Verified	Date
Approved	Date

Client	Status
WESTFIELD DESIGN & CONSTRUCTION	PRELIMINARY
WARRINGAH MALL	18/11/2013
CONCEPT DRAINAGE AUGMENTATION WORKS	18/11/2013
COVER SHEET, GENERAL NOTES	18/11/2013
AND DRAWING SCHEDULE	18/11/2013

Date	Drawn	Scale	Size
18/11/2013	AHD	NTS	A1
Revision	Number	By	Date
3	W4548-400		

- CG1. THE INFORMATION CONTAINED ON THESE DRAWINGS IS FOR CIVIL ENGINEERING PURPOSES ONLY. ALL DISCREPANCIES WITH OTHER CONSULTANT'S DOCUMENTATION THAT COULD RESULT IN CHANGES TO THE CIVIL ENGINEERING DETAILS SHALL BE REFERRED TO THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- CG2. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATIONS FOR THESE WORKS AND/OR AS DIRECTED BY THE SUPERINTENDENT.
- CG3. THE CONTRACTOR SHALL LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCING CONSTRUCTION AND PROTECT AND MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE AND/OR ADJUST IF NECESSARY. INFORMATION GIVEN ON THE DRAWINGS IN RESPECT TO SERVICES IS FOR GUIDANCE ONLY IS NOT GUARANTEED COMPLETE NOR CORRECT.
- CG4. CONTRACTOR IS NOT TO ENTER UPON NOR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT THE PERMISSION OF THE OWNER AND SUPERINTENDENT.
- CG5. CONTRACTOR SHALL CLEAR THE SITE BY REMOVING ALL RUBBISH, FENCES AND DEBRIS, ETC. TO THE EXTENT SPECIFIED.
- CG6. ALL SITE REGRADING AREAS SHALL BE FINALLY GRADED TO THE SATISFACTION OF THE SUPERINTENDENT.
- CG7. SURPLUS EXCAVATED MATERIAL SHALL BE PLACED WHERE DIRECTED OR REMOVED FROM SITE.
- CG8. ALL NEW WORKS SHALL MAKE A SMOOTH JUNCTION WITH EXISTING.
- CG9. ANY QUANTITIES GIVEN ARE FOR GUIDANCE ONLY.
- CG10. PLANS ARE TO BE READ IN CONJUNCTION WITH ARCHITECTURAL PLANS BY WESTFIELD AND LANDSCAPING PLANS BY DEM



Rev	Date	Description	Drawn	Appr
1	2011/2013	PRELIMINARY	DH	DNA
2	30/07/2014	CULVERT AMENED THOUGH BING LEE	DH	DNA
3	5/11/2014	FLOOD BARRIERS UPDATED	LC	DNA
4	7/11/2014	BING LEE, HCF & GODFATHERS NOTE ADDED	LC	DNA

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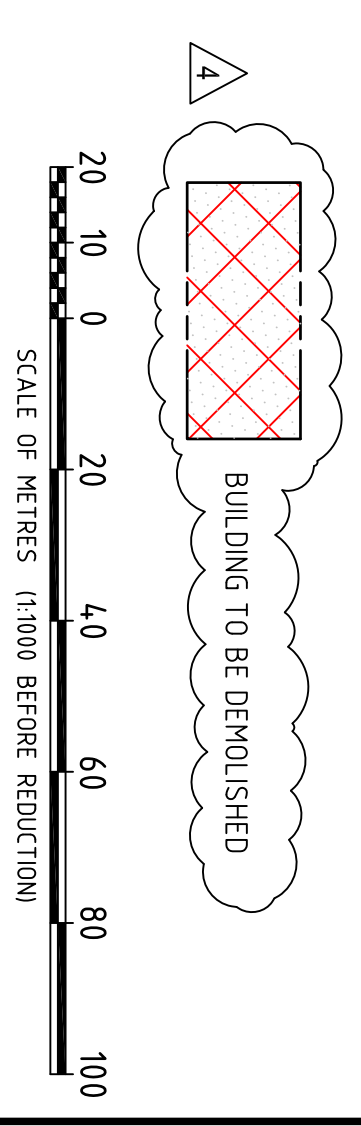
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Drawn	Date	Client
DH	18/11/2013	WESTFIELD DESIGN & CONSTRUCTION
Checked	Date	
DNA	18/11/2013	WARRINGAH MALL
Designed	Date	CONCEPT DRAINAGE AUGMENTATION WORKS
DNA	18/11/2013	
Verified	Date	
Approved	Date	GENERAL ARRANGEMENT PLAN
		MASTERPLAN

Status	Drawing Number	Revision
PRELIMINARY	W4548-401	4
Date	Drawn	Scale
18/11/2013	AHD	1:1000
		Size
		A1
		Revision
		4



- LEGEND**
- EXISTING STORMWATER TO REMAIN
 - EXISTING STORMWATER TO BE REMOVED
 - PROPOSED STORMWATER (RCP)
 - PROPOSED STORMWATER (RCBC)
 - PROPOSED HIGH CAPACITY INLET
 - APPROXIMATE AREAS OF REGRADING
 - APPROXIMATE AREA OF CHANNEL REGRADING
 - BOUNDARY
 - LONGSECTION REFERENCE
 - ELECTRICITY
 - GAS
 - OPTICAL FIBRE
 - OPTUS
 - SEWER
 - TELSTRA
 - WATER
 - BUILDING TO BE DEMOLISHED

NOTE:
LOCATION AND LEVEL OF ALL SERVICES TO BE CONFIRMED ON SITE

LEGEND

- EXISTING STORMWATER TO REMAIN
- EXISTING STORMWATER TO BE REMOVED
- PROPOSED STORMWATER (RCP)
- PROPOSED STORMWATER (RCBC)
- PROPOSED HIGH CAPACITY INLET
- APPROXIMATE AREAS OF REGRADING
- APPROXIMATE AREA OF CHANNEL REGRADING
- BOUNDARY
- LONGSECTION REFERENCE
- ELECTRICITY
- GAS
- OPTICAL FIBRE
- OPTUS
- SEWER
- TELSTRA
- WATER
- BUILDING TO BE DEMOLISHED

LEGEND

- EXISTING STORMWATER TO REMAIN
- EXISTING STORMWATER TO BE REMOVED
- PROPOSED STORMWATER (RCP)
- PROPOSED STORMWATER (RCBC)
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- APPROXIMATE AREAS OF REGRADING
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- LONGSECTION REFERENCE
- ELECTRICITY
- GAS
- OPTICAL FIBRE
- OPTUS
- SEWER
- TELSTRA
- WATER
- BUILDING TO BE DEMOLISHED

LEGEND

- EXISTING STORMWATER TO REMAIN
- EXISTING STORMWATER TO BE REMOVED
- PROPOSED STORMWATER (RCP)
- PROPOSED STORMWATER (RCBC)
- PROPOSED HIGH CAPACITY INLET
- APPROXIMATE AREAS OF REGRADING
- APPROXIMATE AREA OF CHANNEL REGRADING
- BOUNDARY
- LONGSECTION REFERENCE
- ELECTRICITY
- GAS
- OPTICAL FIBRE
- OPTUS
- SEWER
- TELSTRA
- WATER
- BUILDING TO BE DEMOLISHED

Rev	Date	Description	Drawn	Appr
3	5/11/2014	FLOOD BARRIERS UPDATED	LJC	DNA
2	30/07/2014	CULVERT AMENED THOUGH BING LEE	DH	DNA
1	20/11/2013	PRELIMINARY	DH	DNA

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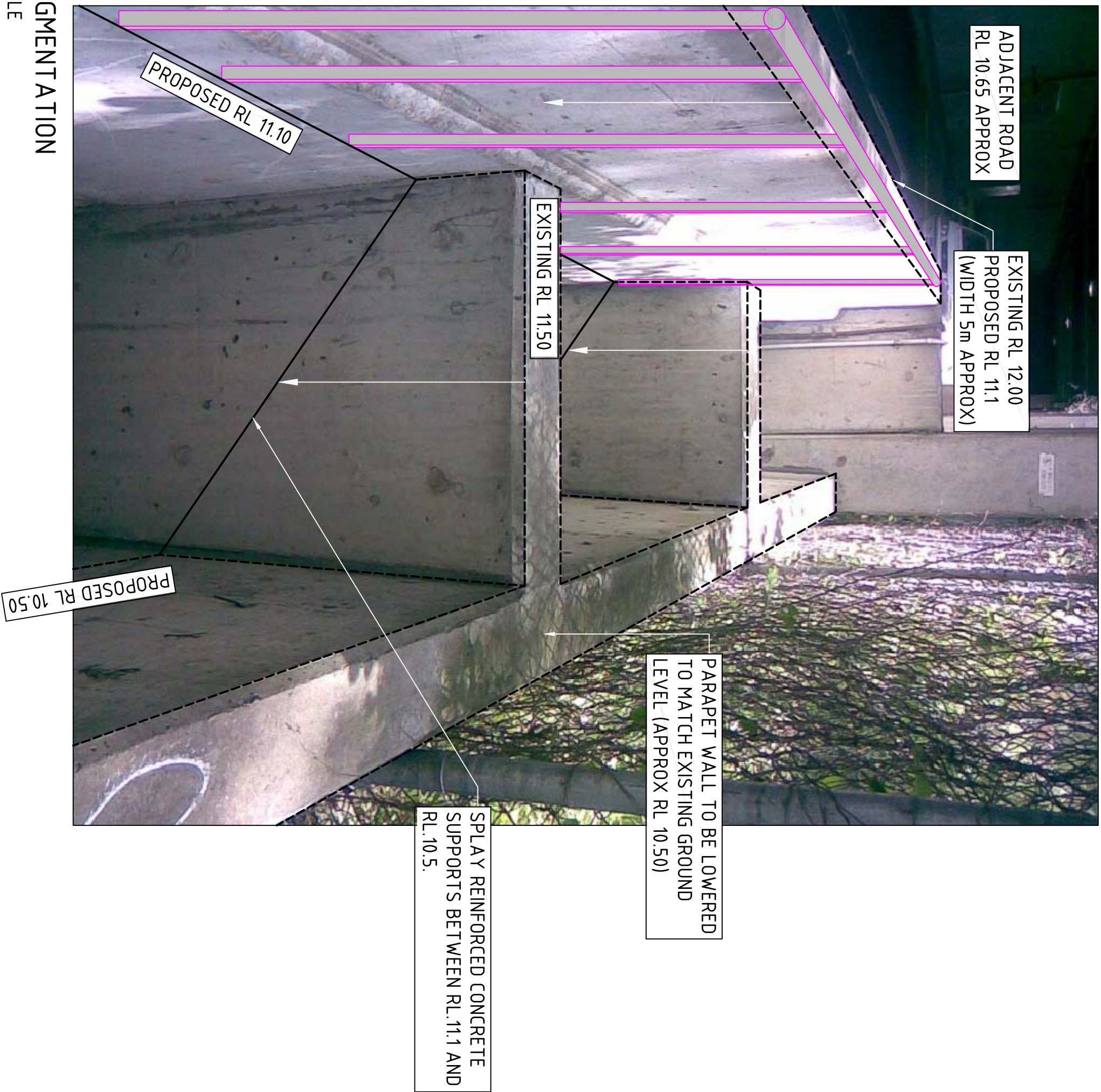
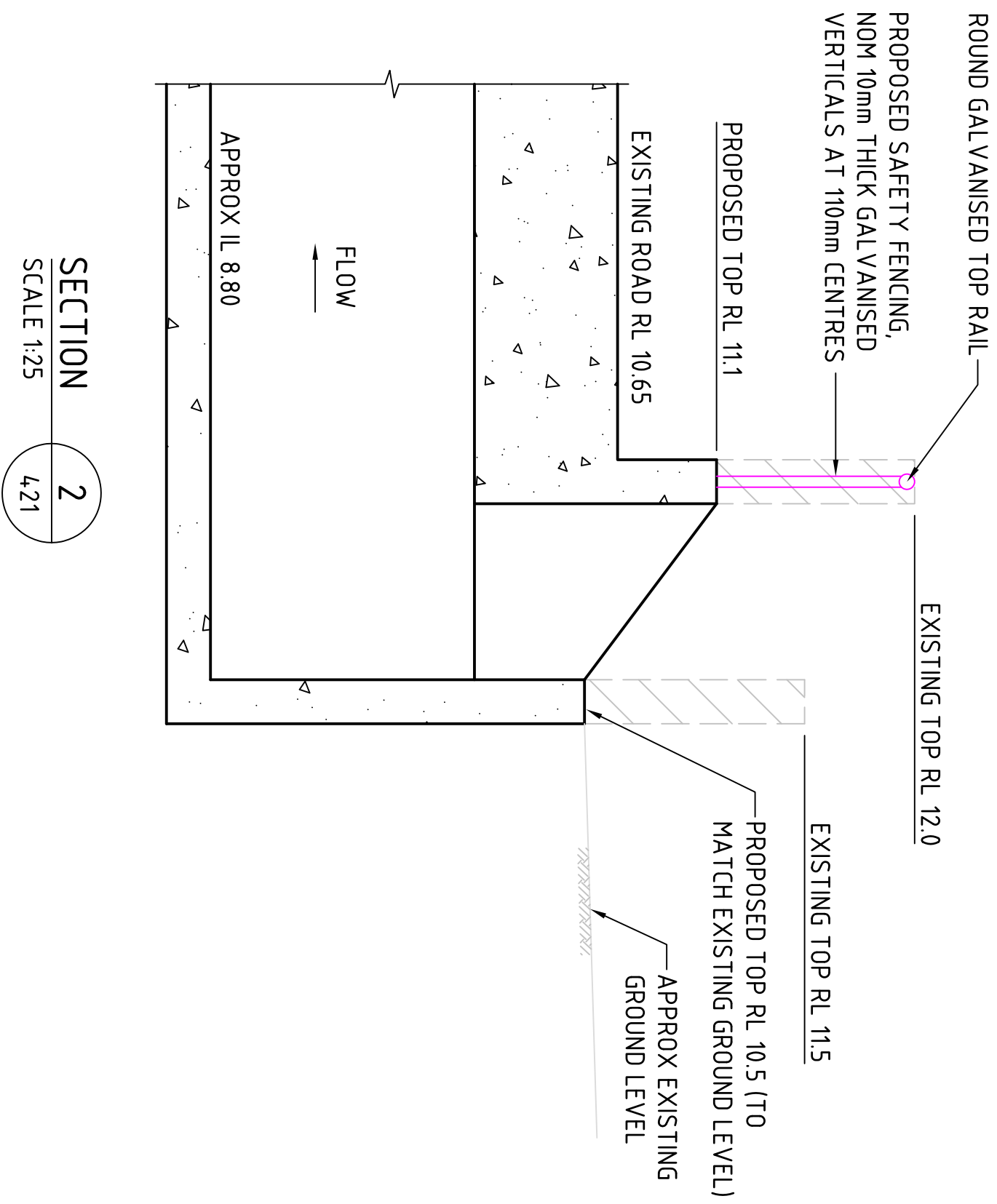
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18/11/2013	18/11/2013	18/11/2013	18/11/2013	18/11/2013

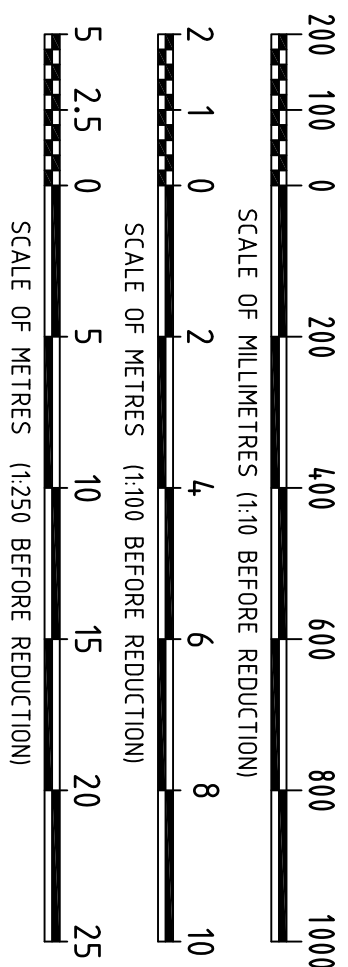
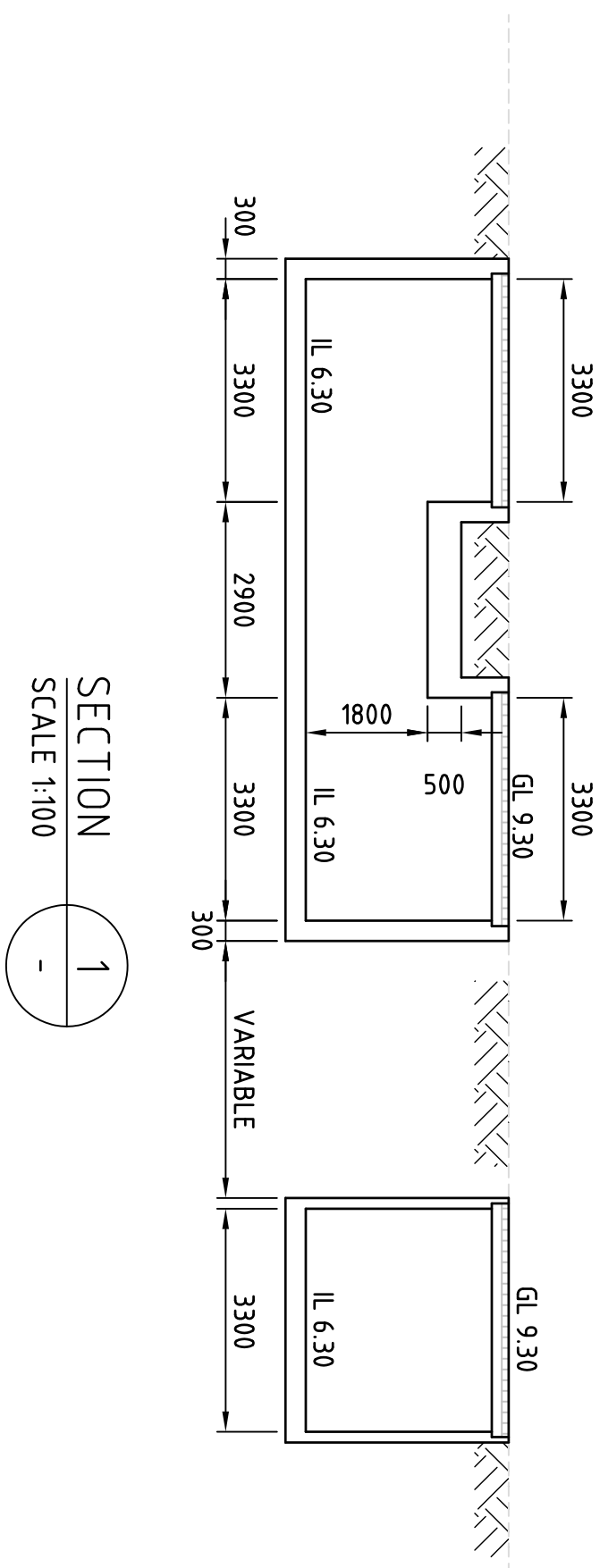
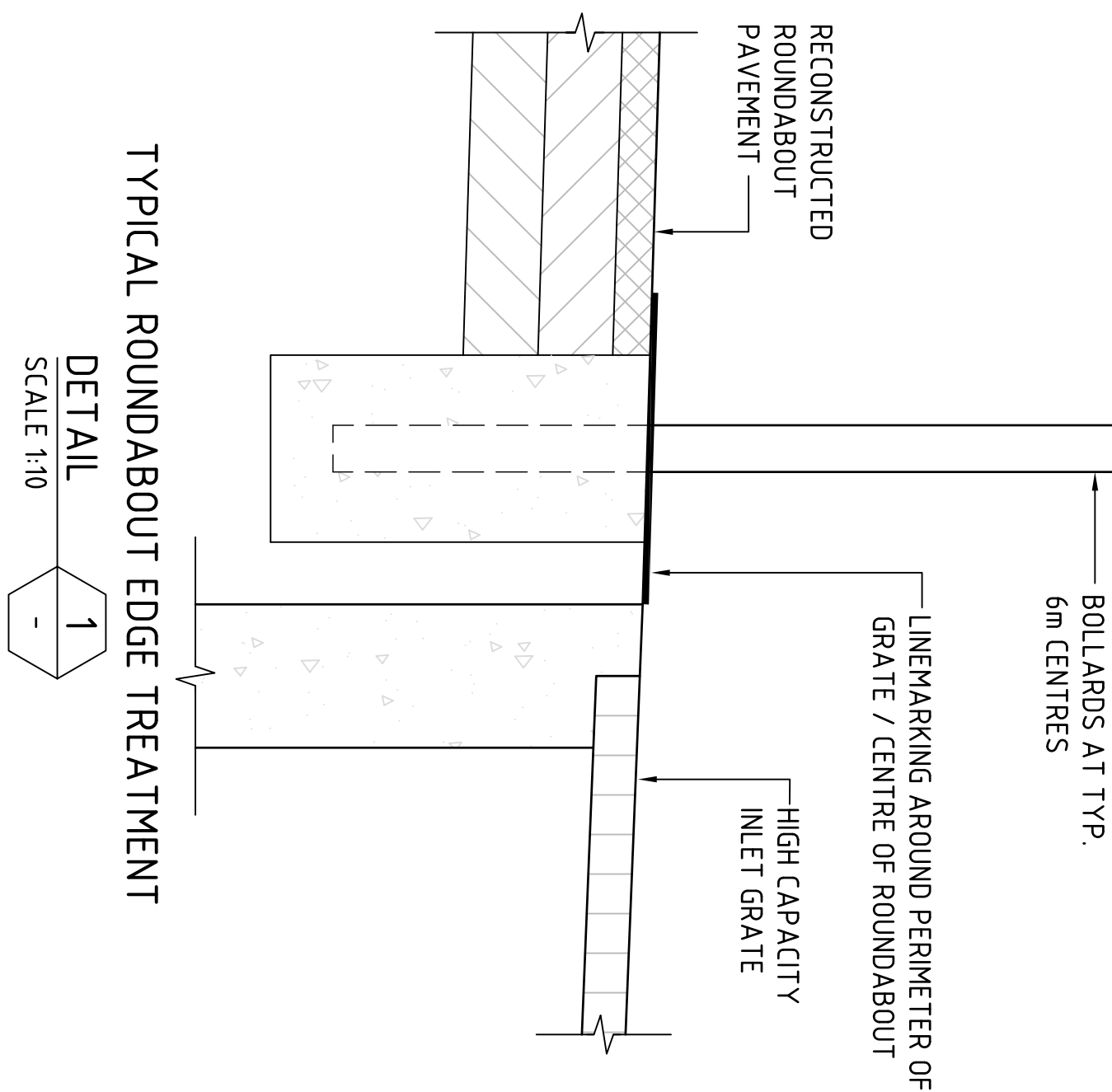
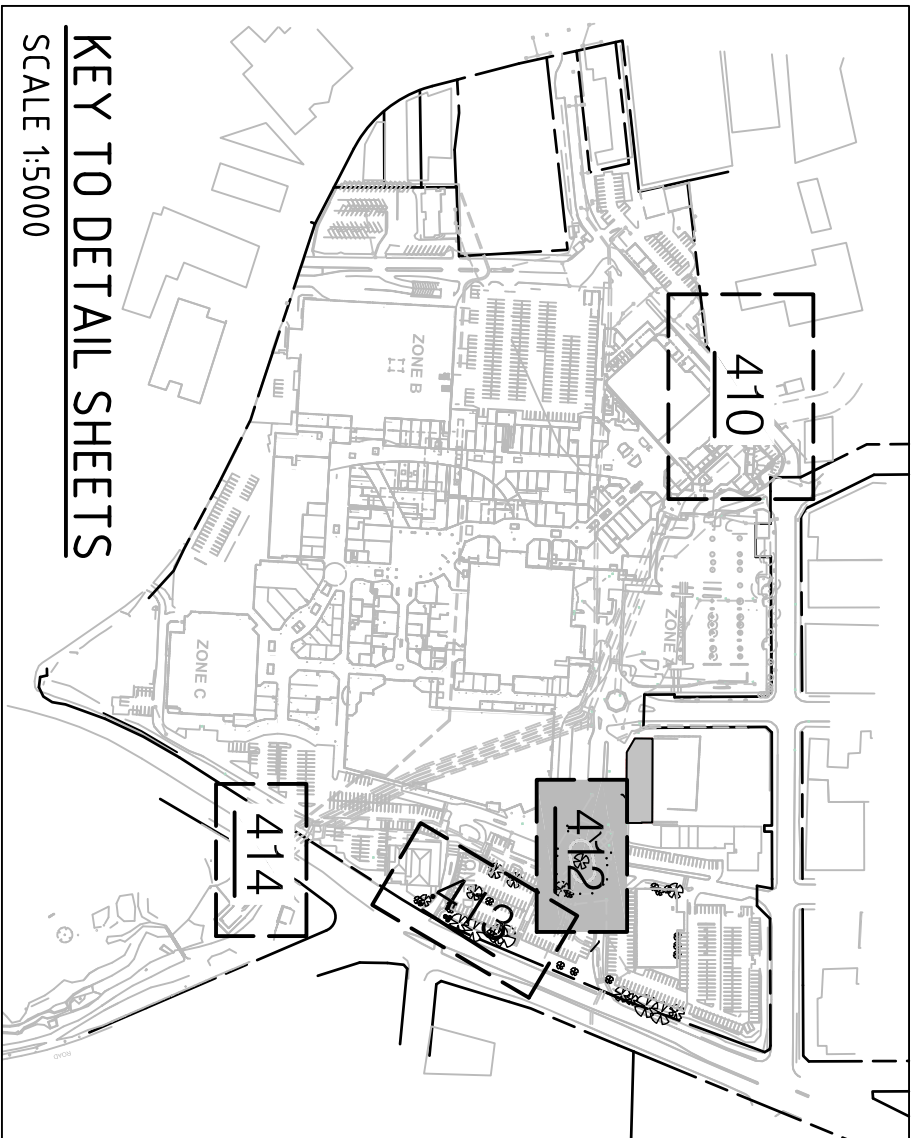
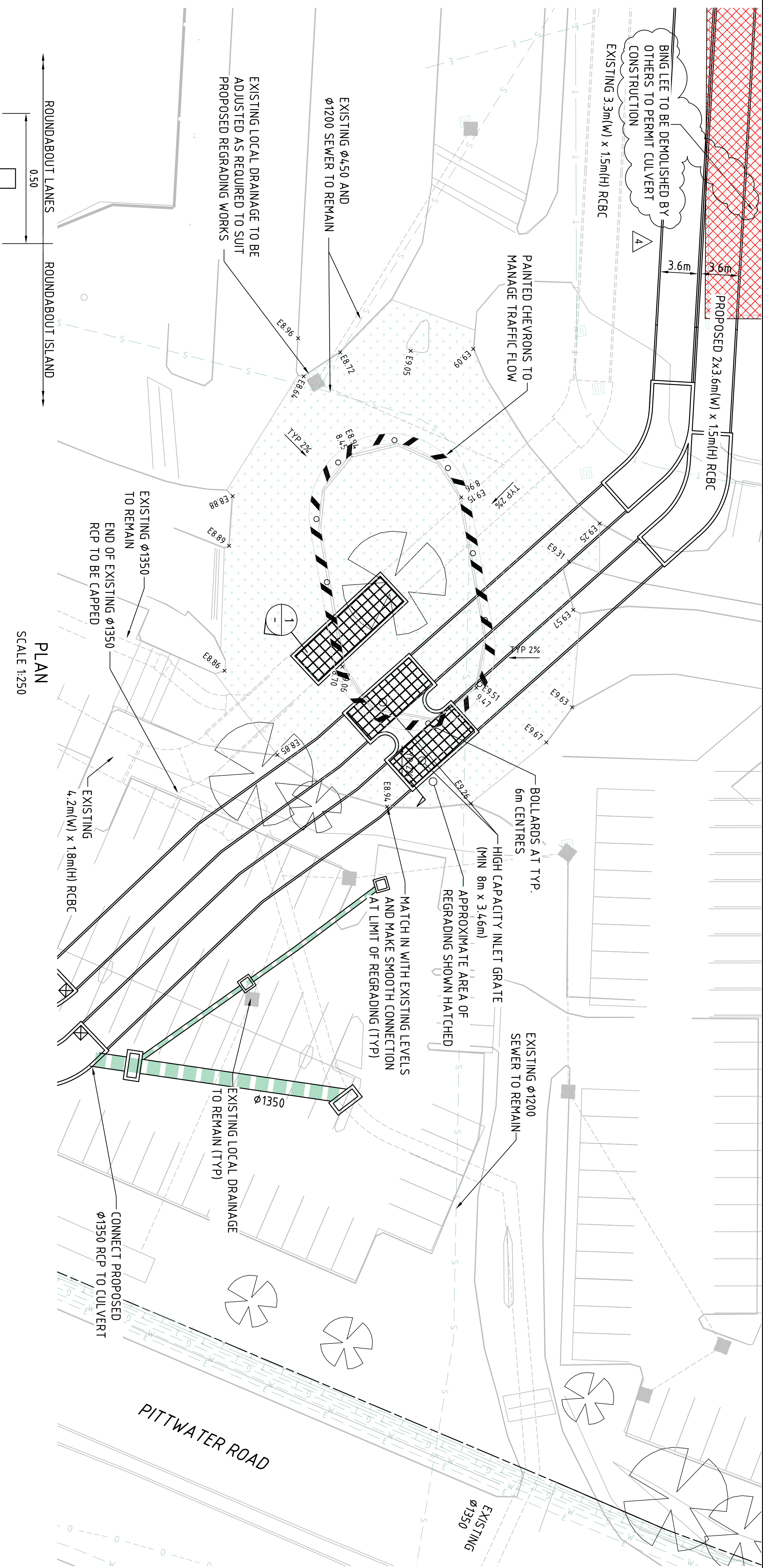
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Project	Drawing Number
WARRINGAH MALL CONCEPT DRAINAGE AUGMENTATION WORKS	W4548-402

Scale	Revision
1:1000	A1
3	3



Status				
PRELIMINARY				
Date	Date	Scale	Size	
18/11/2013	AHD	1:25	A1	
Drawing Number	Revision			
W4548-411	3			



4	7/11/2014	BING LEE, HCF & GODFATHERS NOTE ADDED	LLC	DNA
3	5/11/2014	FLOOD BARRIERS UPDATED	LLC	DNA
2	30/07/2014	CULVERT AMENDED THOUGH BING LEE	DH	DNA
1	20/11/2013	PRELIMINARY	DH	DNA
Rev	Date	Description	Drawn	Appr.

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Drawn	DH	Date	18/11/2013
Checked	DNA	Date	18/11/2013
Designed	DNA	Date	18/11/2013
Verified		Date	
Approved		Date	

WESTFIELD DESIGN & CONSTRU
WARRINGAH MALL
CONCEPT DRAINAGE AUGMENTATION WORKS

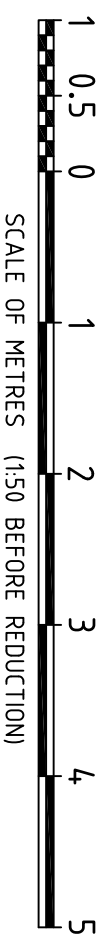
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ON A1 ORIGINAL

Status			
PRELIMINARY			
Date	Drawn	Scale	Size
18/1/2013	AHD	AS SHOWN	A1
Drawing Number		Revision	
W4548-412		4	

W4548-412

Revision 4



- BOUNDARY
- PROPOSED CULVERTS

APPROXIMATE AREA OF RECONSTRUCTION

EXISTING BUS STOP A
COVERED WALKWAY

BUILDING TO BE DEMOLISHED

SERVICES

- | | |
|----------------|--------------------------|
| _____ E _____ | ELECTRICITY |
| _____ HV _____ | HIGH VOLTAGE ELECTRICITY |
| _____ G _____ | GAS |
| _____ T _____ | OPTICAL FIBRE |
| _____ O _____ | OPTUS |
| _____ S _____ | SEWER |
| _____ T _____ | TELSTRA |
| _____ W _____ | WATER |

NOTE: ALL SERVICE LOCATIONS ARE INDICATIVE ONLY

4	7/11/2014	BING LEE, HOF & GODFATHERS NOTE ADDED	LLC	DNA	
3	5/11/2014	FLOOD BARRIERS UPDATED	LLC	DNA	
2	3/07/2014	CULVERT AMENDED THOUGH BING LEE	DH	DH	
1	20/11/2013	PRELIMINARY	DH	DNA	
Row	Date	Description	Drawn	Appr.	

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Drawn	Date
DH	18/11/2013
Checked	Date
DNA	18/11/2013
Designed	Date
DNA	18/11/2013
Verified	Date
Approved	Date

WESTFIELD DESIGN & CONSTRU
WARRINGAH MALL
CONCEPT DRAINAGE AUGMENTATION WORKS

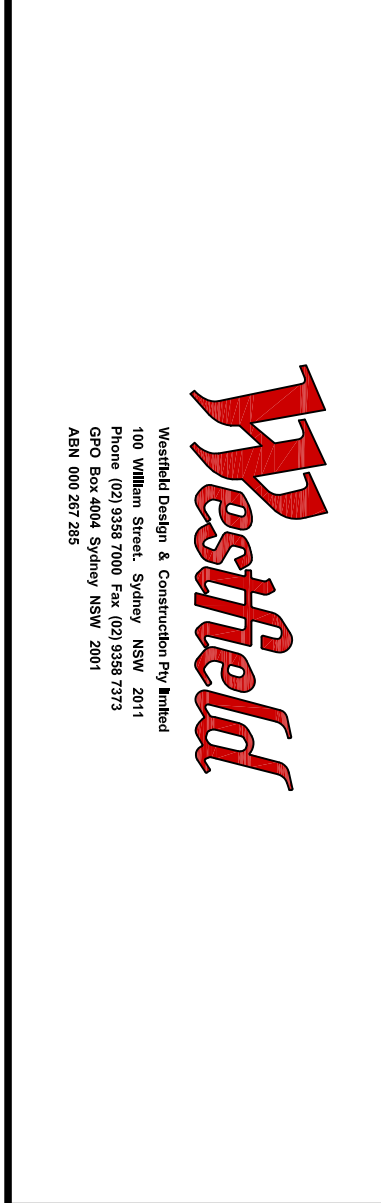
PRESENTATION WORKS

PRELIMINARY

Drawing Number
W4548-413

Revision
4

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3	5/11/2014	FLOOD BARRIERS UPDATED	DH	DNA
2	3/07/2014	CULVERT AMENDED THOUGH BINQ LEE	DH	DNA
1	20/11/2013	PRELIMINARY	DH	DNA



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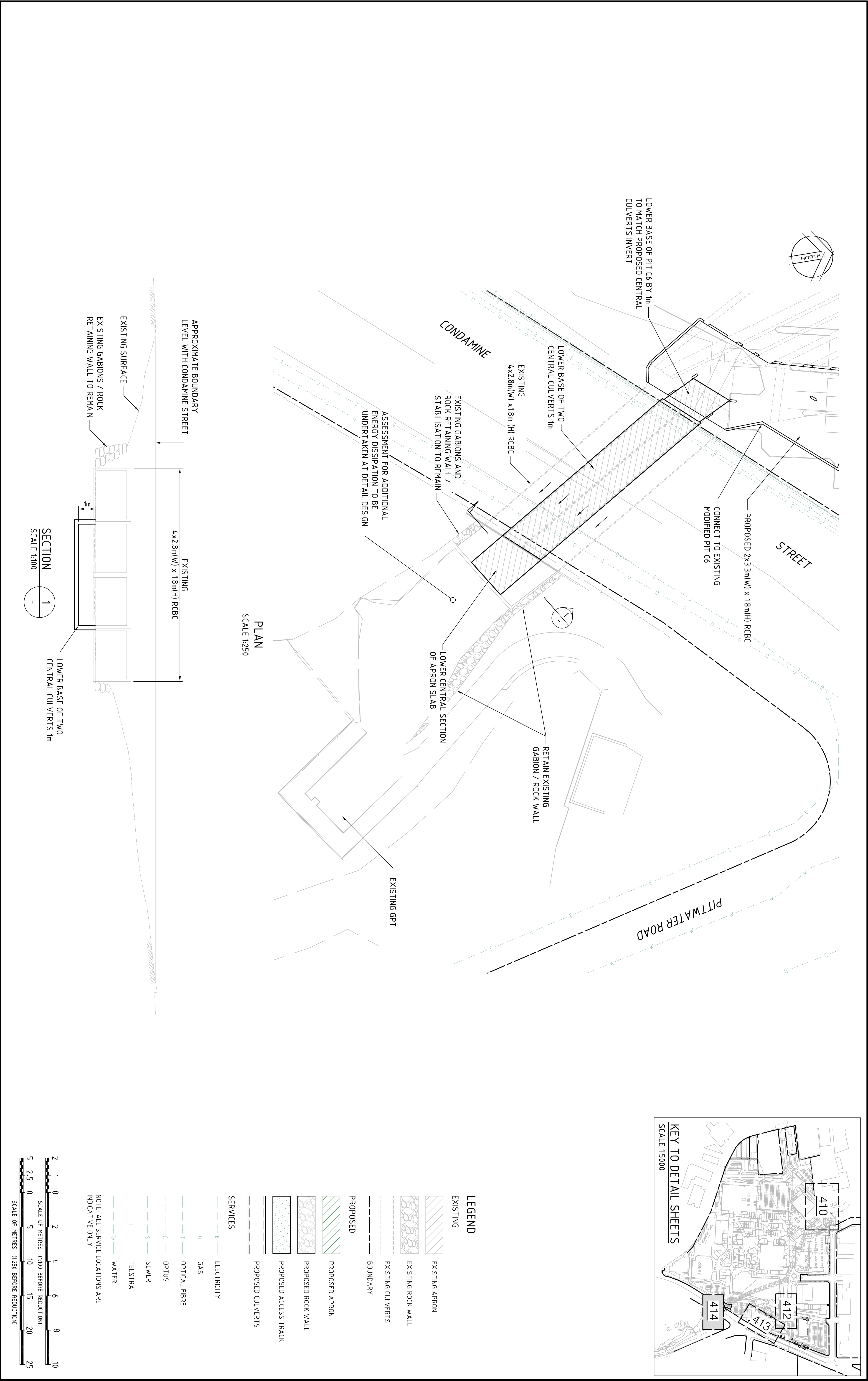
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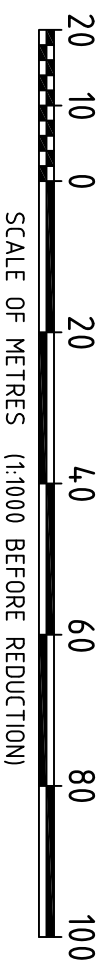


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DH	18/11/2013
Checked	Date
DNA	18/11/2013
Designed	Date
DNA	18/11/2013
Verified	Date
Approved	Date

Client	WESTFIELD DESIGN & CONSTRUCTION
	WARRINGAH MALL
	CONCEPT DRAINAGE AUGMENTATION WORKS
	DETAIL ARRANGEMENT PLAN
	CONDAMINE STREET GPT

Status	
PRELIMINARY	
Date 18/11/2013	Date AHD
Scale AS SHOWN	Size A1
Drawing Number W4548-414	
Revision 3	





EXISTING STORMWATER TO REMAIN

EXISTING STORMWATER TO BE REMOVED

PROPOSED STORMWATER (ROB)

PROPOSED STORMWATER (ROB)

PROPOSED HIGH CAPACITY INLET

APPROXIMATE AREAS OF REGGRADING

APPROXIMATE AREA OF CHANNEL REGGRADING

PROPOSED STAGE 1 BUILDING WORKS

NOTE:
LOCATION AND LEVEL OF ALL
SERVICES TO BE CONFIRMED ON SITE

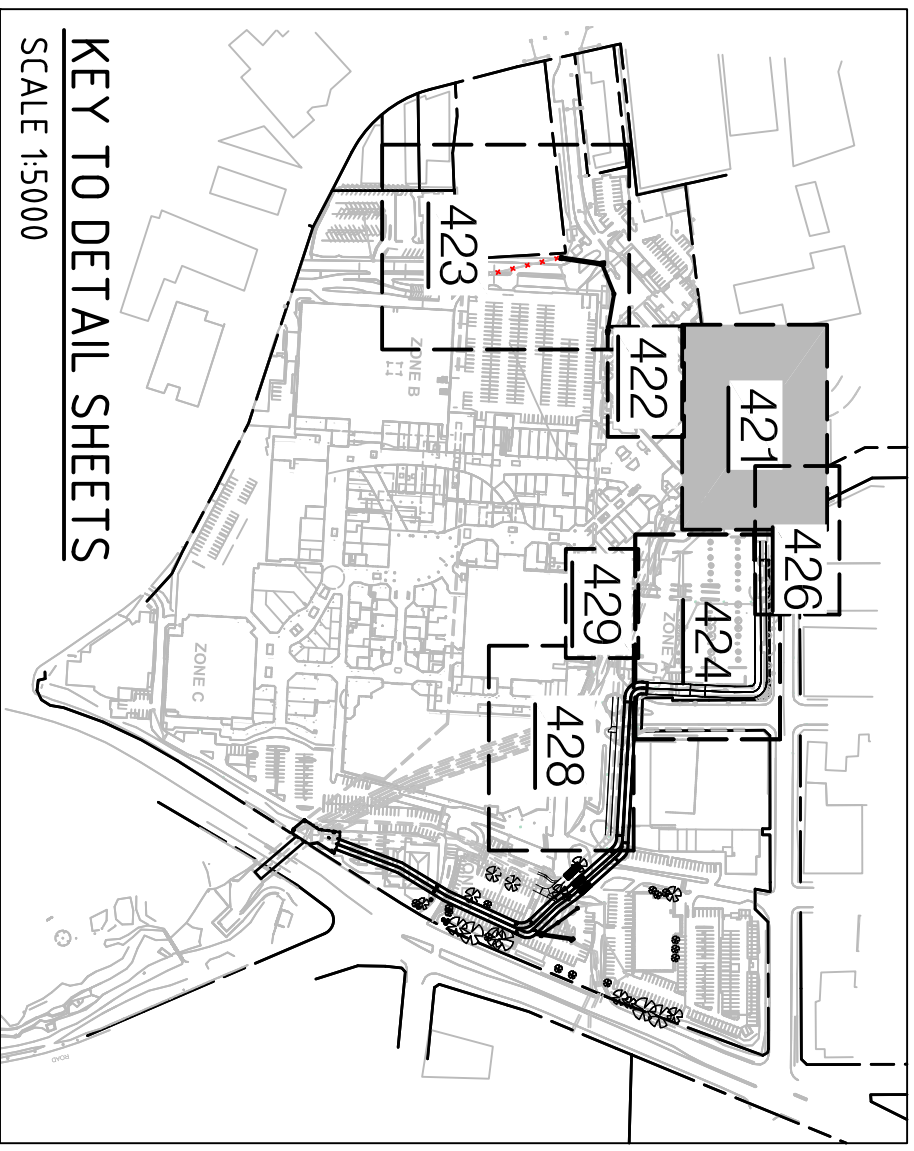
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Revision	5

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100 William Street, Sydney NSW 2011
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ABN 000 267 285

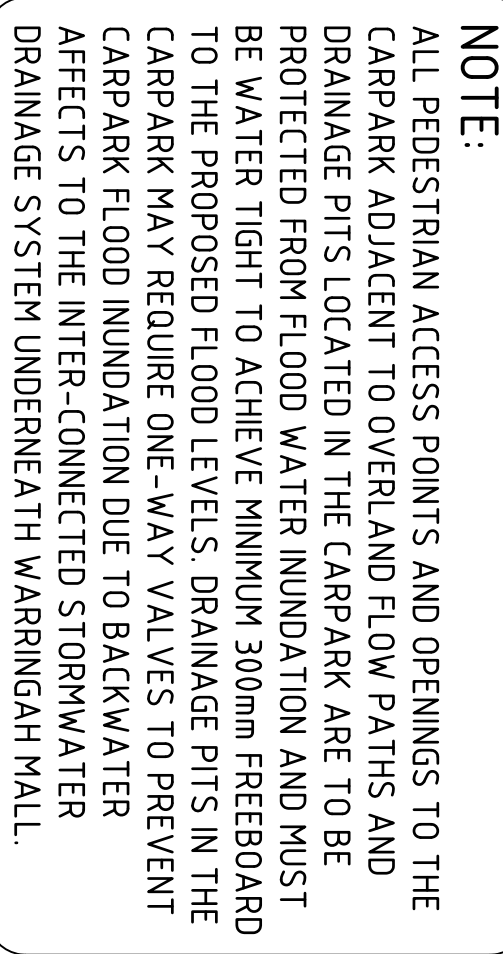
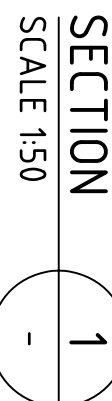
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Status	
PRELIMINARY	
Date 18/11/2013	Gain
	AHD
	Scale AS SHOWN
	Size A1
Drawing Number	Revision
W4548-421	3



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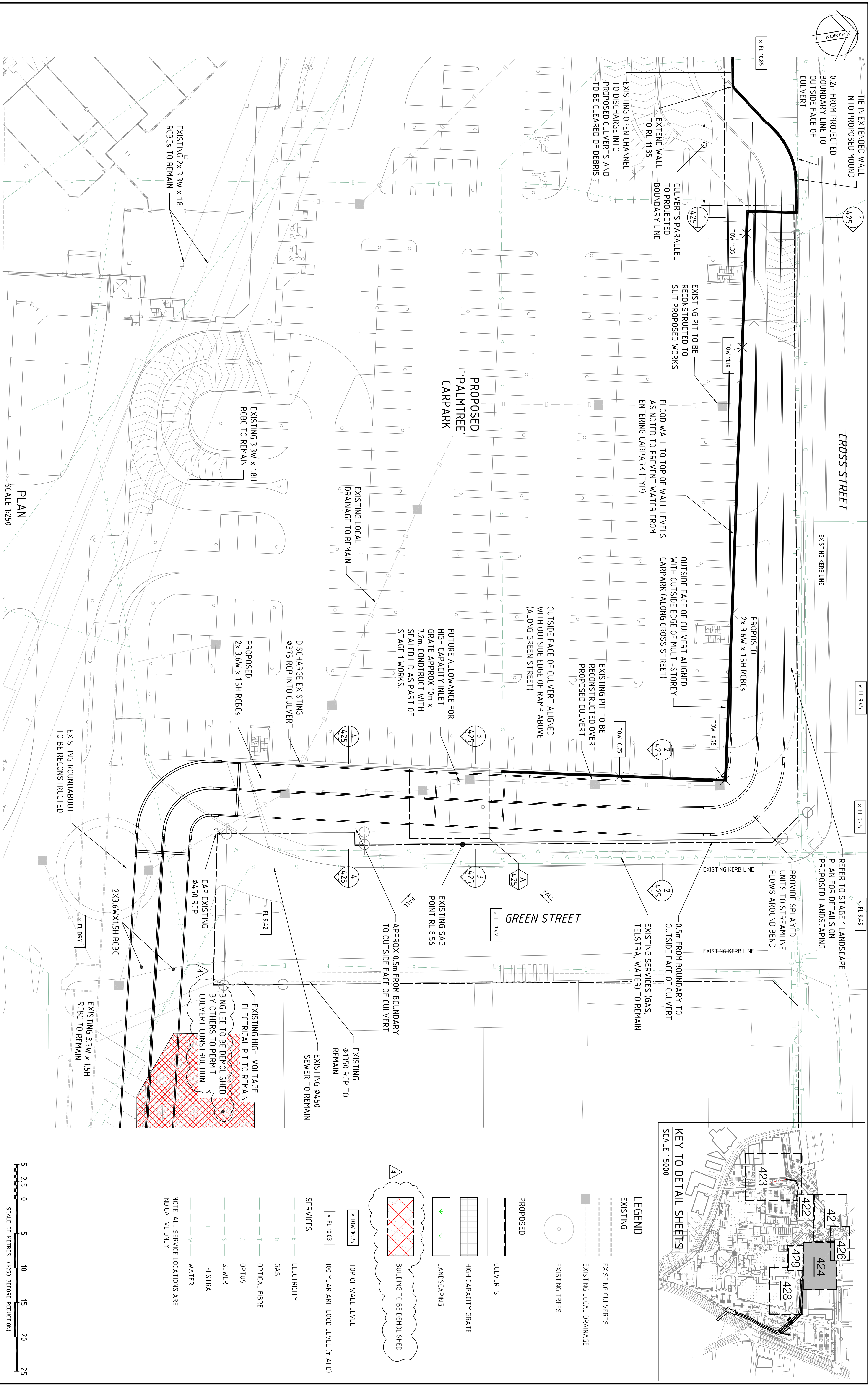
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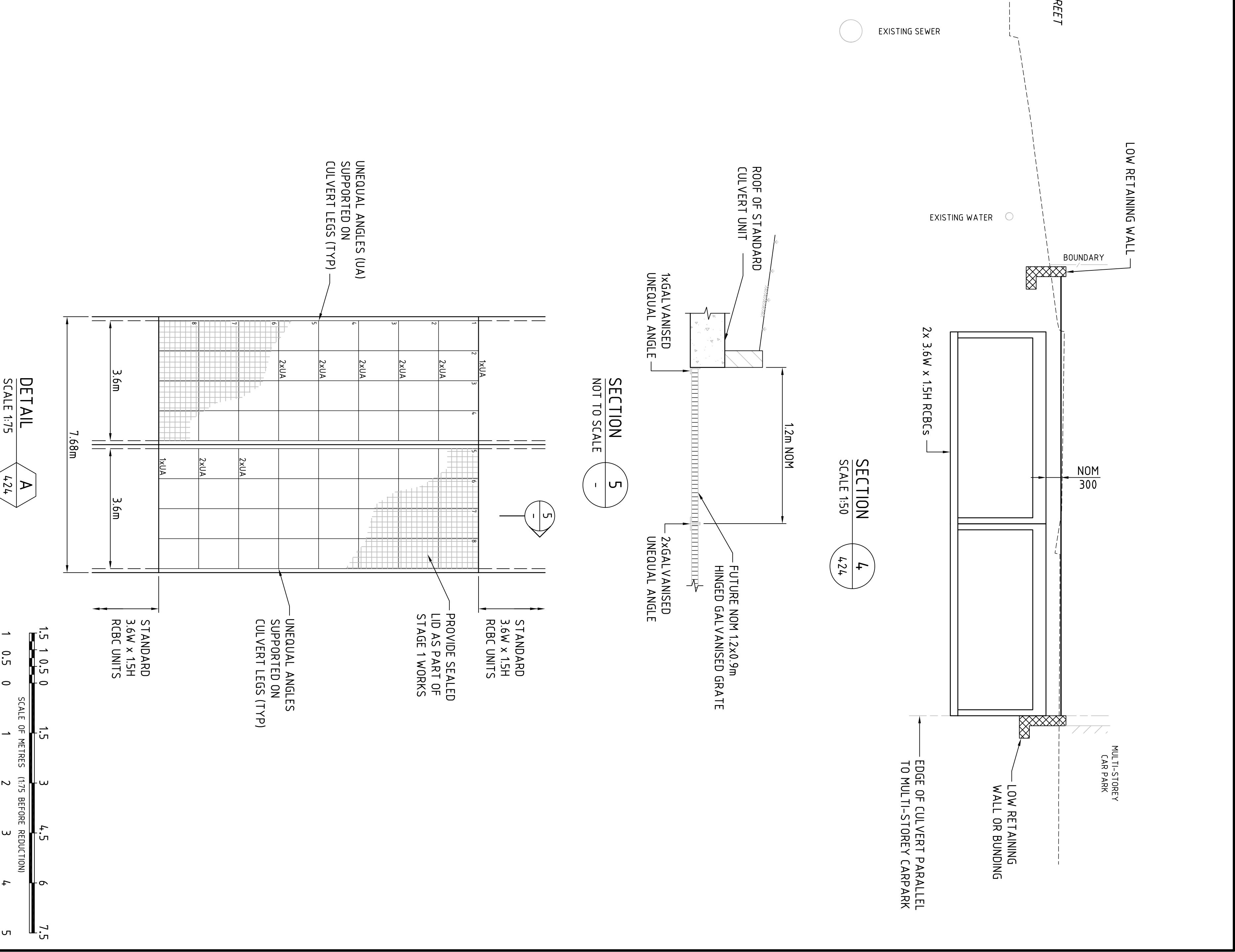
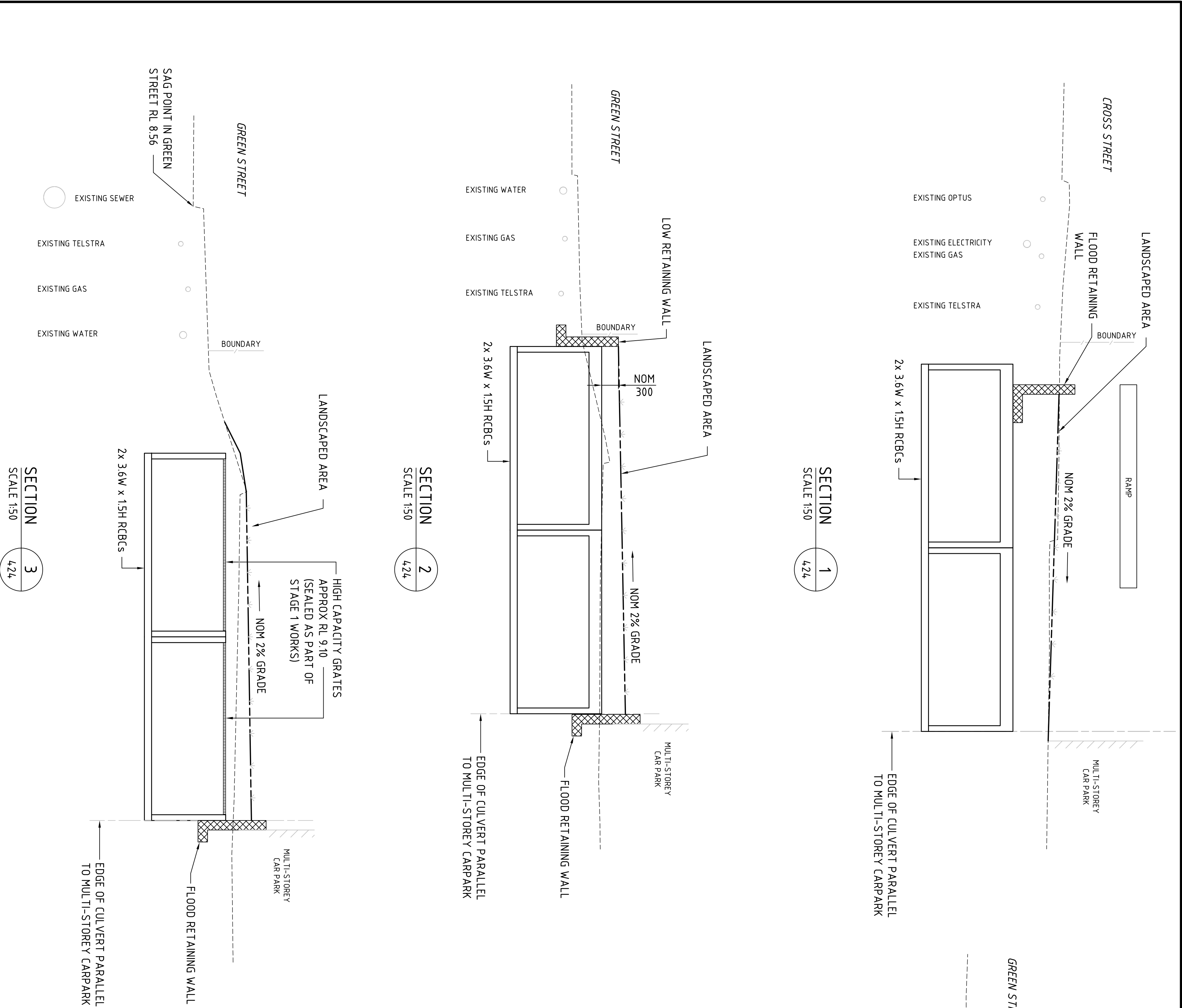
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Client	WESTFIELD DESIGN & CONSTRUCTION
	WARRINGAH MALL
	CONCEPT DRAINAGE AUGMENTATION WORKS
	DETAIL ARRANGEMENT PLAN
	STARFISH CARPARK

Status			
PRELIMINARY			
Date	Datein	Scale	Size
18/11/2013	AHD	AS SHOWN	A1
Drawing Number		Revision	
W4548-423		3	

[illegible]

Rev	Date	Description	Drawn	Appr
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2	30/07/2014	CULVERT AMENED THOUGH BING LEE	DH	DNA
3	5/11/2014	FLOOD BARRIERS UPDATED	LJC	DNA



Rev	Date	Description	Drawn	Appr
1	2011/2013	PRELIMINARY	DH	DNA
2	30/07/2014	CULVERT AMENED THOUGH BING LEE	DH	DNA
3	5/11/2014	FLOOD BARRIERS UPDATED	LJC	DNA

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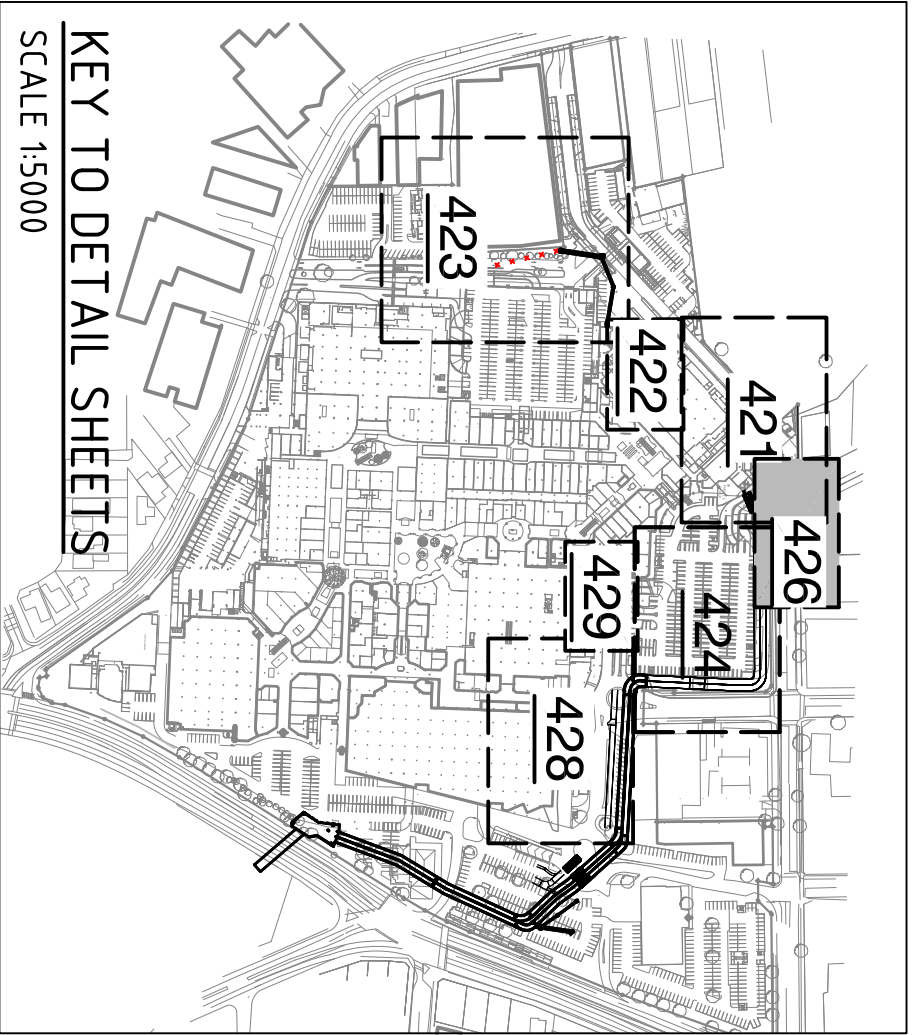
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18/11/2013	18/11/2013	18/11/2013		

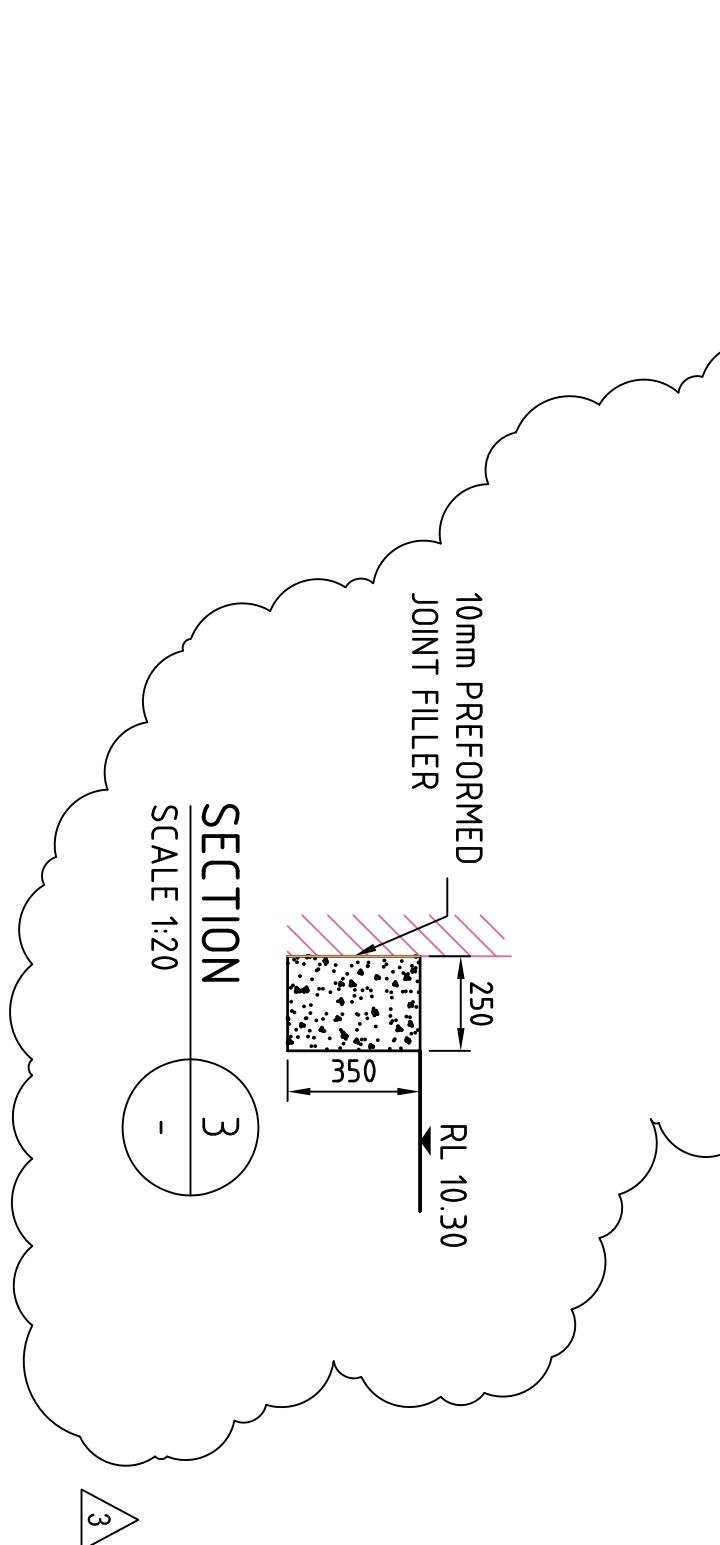
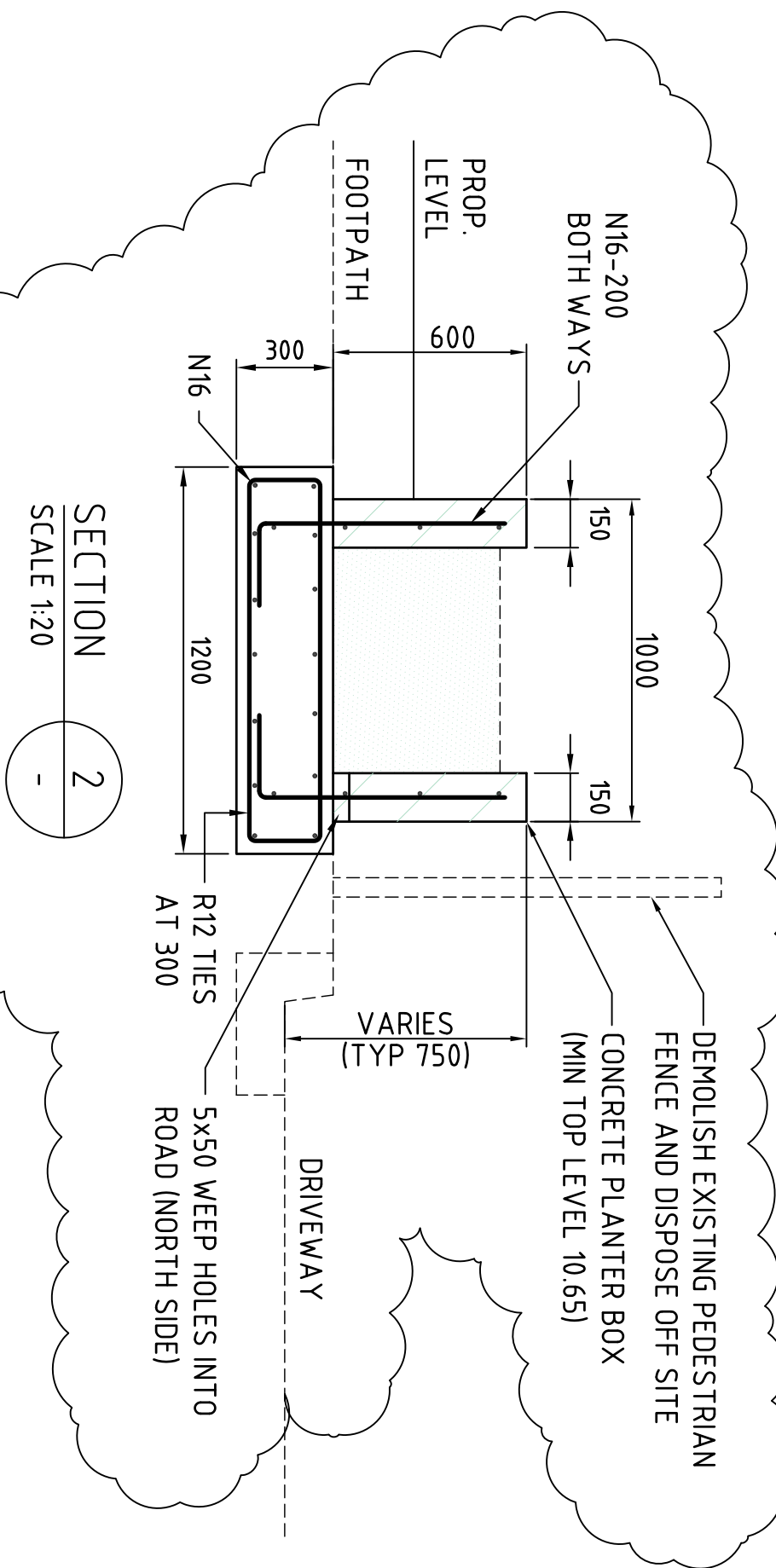
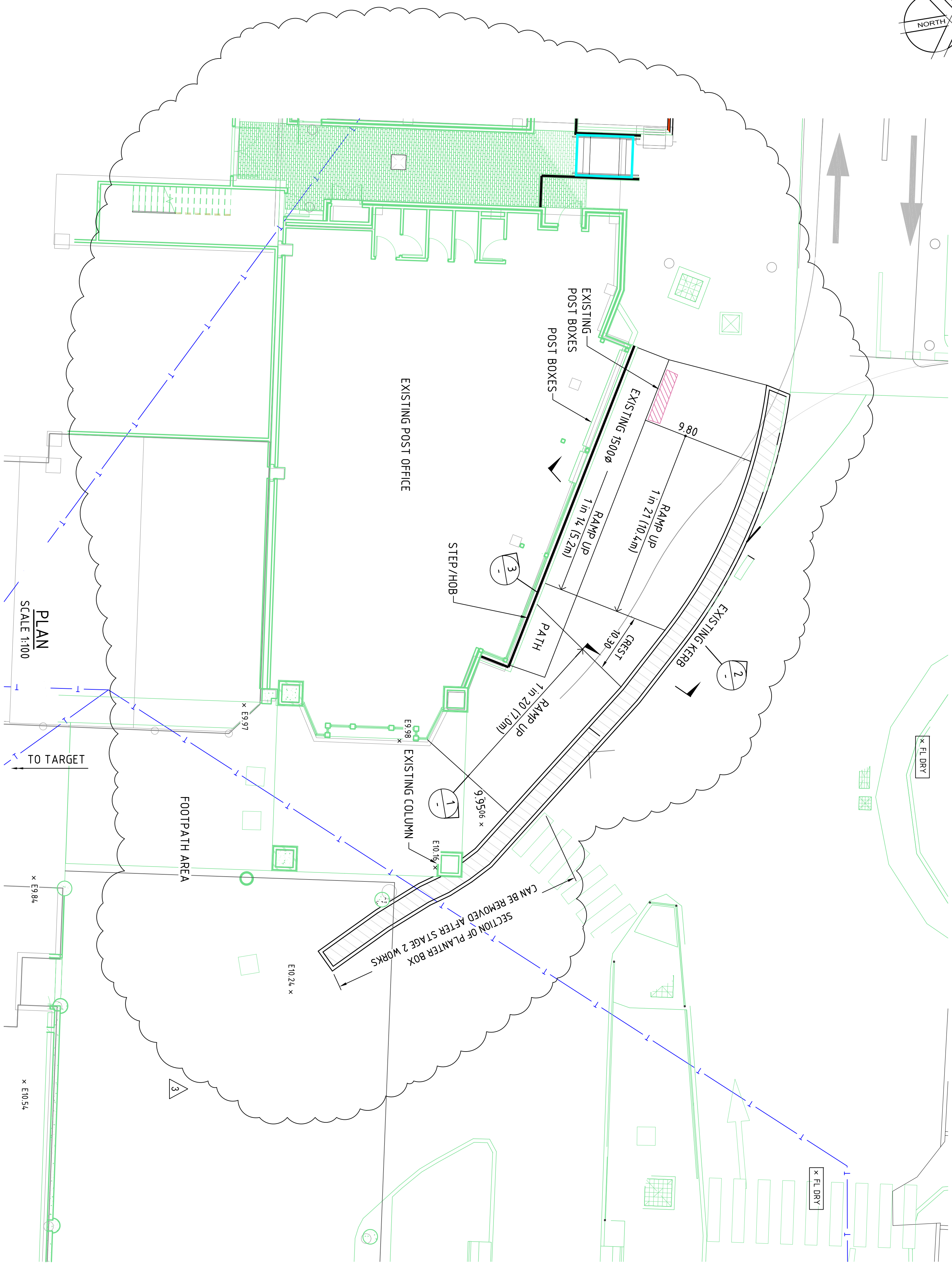
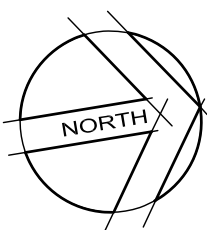
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WESTFIELD DESIGN & CONSTRUCTION	WARRINGAH MALL	DH	DNA	DNA		
	CONCEPT DRAINAGE AUGMENTATION WORKS	18/11/2013	18/11/2013	18/11/2013		

Detail	Scale	Drawn	Checkd	Designed	Verified	Approved
DETAIL ARRANGEMENT PLAN	1:75	DH	DNA	DNA		
		18/11/2013	18/11/2013	18/11/2013		

Revision	Scale	Drawn	Checkd	Designed	Verified	Approved
3	AS SHOWN	DH	DNA	DNA		
		18/11/2013	18/11/2013	18/11/2013		

W4548-425

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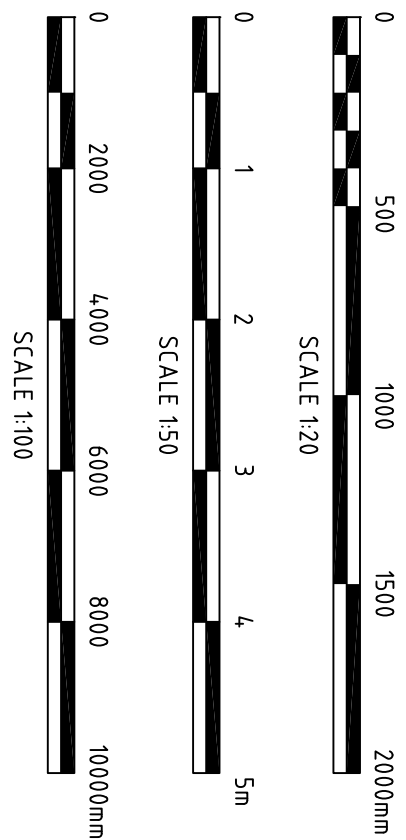
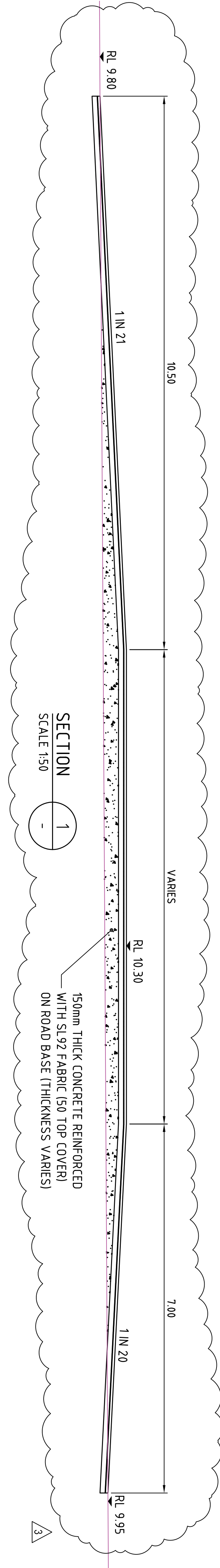


LEGEND

EXISTING

EXISTING LEVEL

100 YEAR ARI FLOOD LEVEL (m AHD)

[illegible]

Westhicks Design & Construction Pty Ltd
100 William Street, Sydney NSW 2001
Phone (02) 9358 7000 Fax (02) 9358 7377
GPO Box 4004 Sydney NSW 2001
ABN 000 267 285

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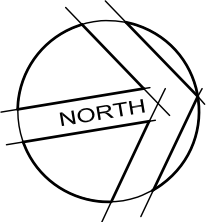
Drawn	Date
DH	18/11/2013
Checked	Date
DNA	18/11/2013
Designed	Date
DNA	18/11/2013
Verified	Date
Approved	Date

Client
WESTFIELD DESIGN & CONSTRUCTION

WARRINGAH MALL
CONCEPT DRAINAGE AUGMENTATION WORKS

DETAIL ARRANGEMENT PLAN
TARGET ENTRY - CONCRETE PLANTER BOX

Series				
PRELIMINARY				
Date	Daum	Scale	Size	
1/8/12013	AHD	AS SHOWN	A1	
Drawing Number	W4548-428			Revision
				3



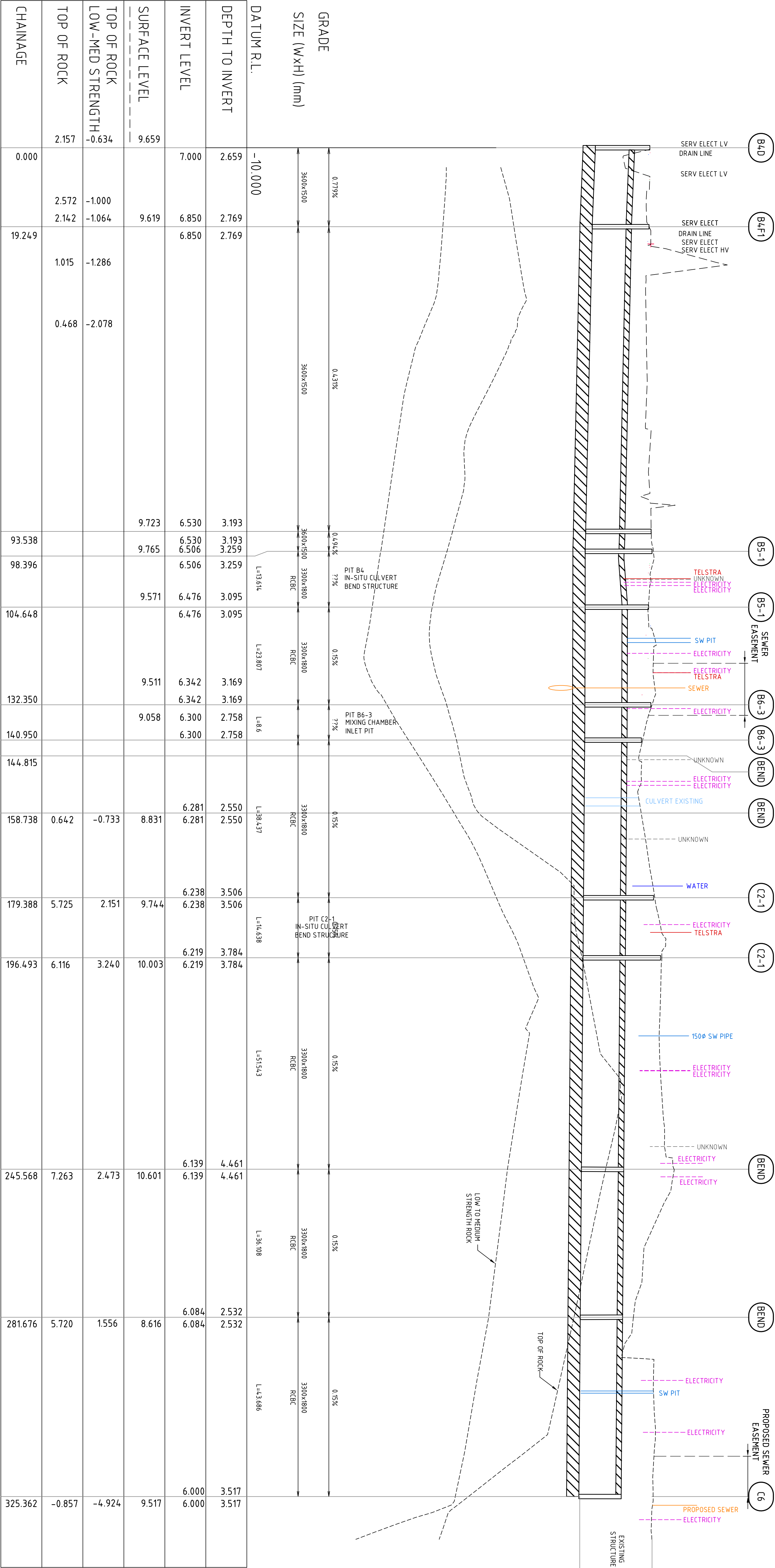
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PRELIMINARY			
Date 18/11/2013	Daam AHD	Scale 1:100	Size A1
Drawing Number W4548-429			Revision 3

Status			
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Drawing Number W4548-430			Revision 3

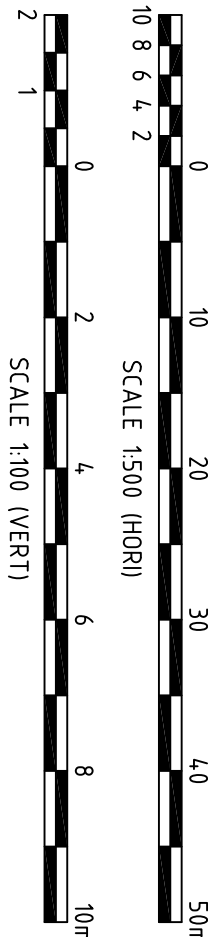


NOTE:
LOCATION AND LEVELS OF ALL SERVICES IS
INDICATIVE ONLY. SERVICES TO BE LOCATED AND
POTHOLED PRIOR TO CONSTRUCTION





LONGITUDINAL SECTION PIT B4-C6
CULVERT 1
SCALE 1:500(H: 1:100(V))



NOTE:
LOCATION AND LEVELS OF ALL SERVICES IS
INDICATIVE ONLY. SERVICES TO BE LOCATED AND
POTHOLED PRIOR TO CONSTRUCTION

Rev	Date	Description	Drawn	Appr
1	2011/2013	PRELIMINARY	DH	DNA
2	30/07/2014	CULVERT AMENED THOUGH BING LEE	DH	DNA
3	5/11/2014	FLOOD BARRIERS UPDATED	LJC	DNA



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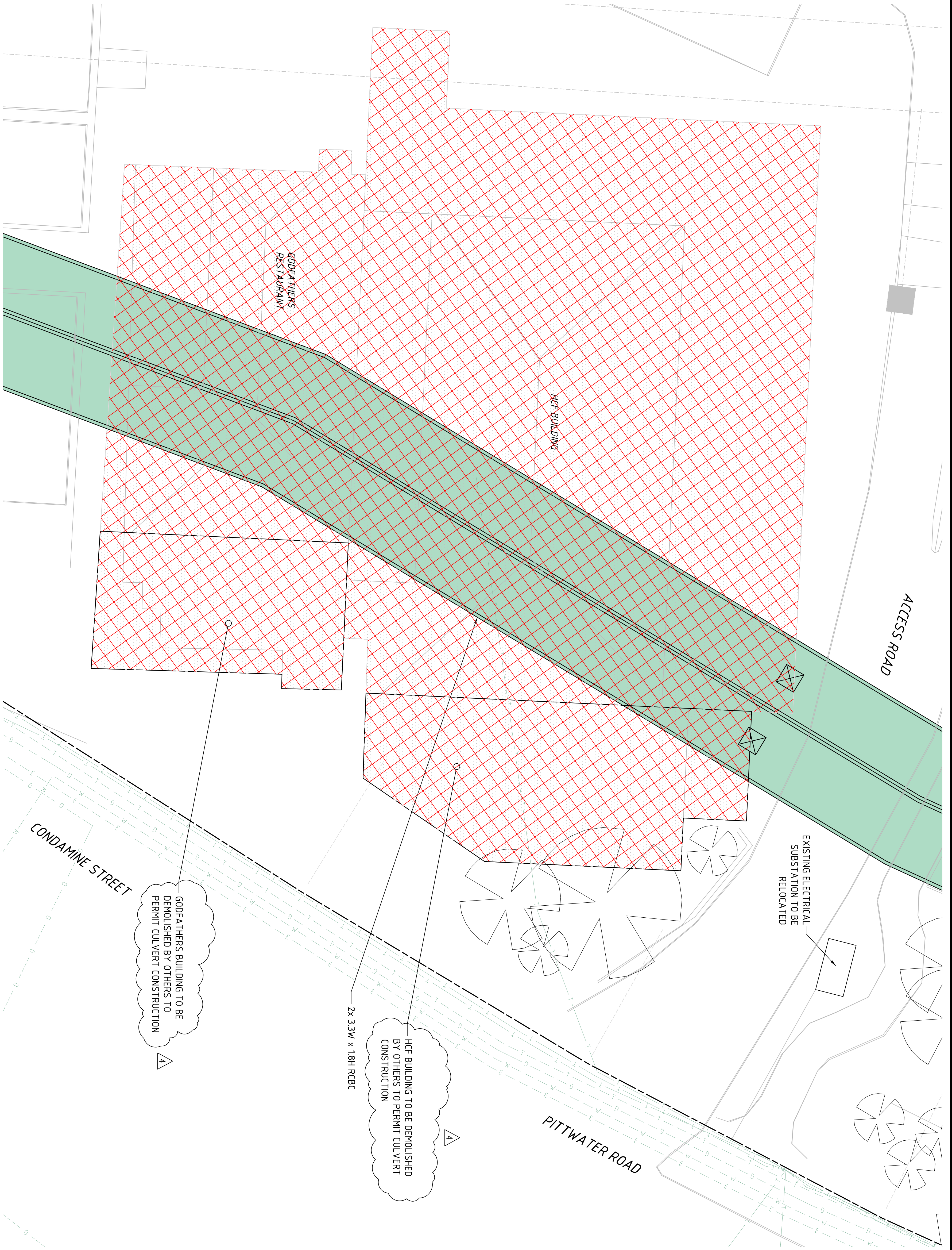


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Drawn	Date	Client	Status
DH	18/11/2013	WESTFIELD DESIGN & CONSTRUCTION	PRELIMINARY
Checked	Date	WARRINGAH MALL	Date
DNA	18/11/2013	CONCEPT DRAINAGE AUGMENTATION WORKS	18/11/2013
Designed	Date		Date
DNA	18/11/2013		
Verified	Date		
Approved	Date	STORMWATER LONGSECTIONS - SHEET 2 of 2	

W4548-431

3



Rev	Date	Description	Drawn	Appr.
4	7/11/2014	BING LEE, HCF & GODPATHERS NOTE ADDED	DLIC	DNA
3	5/11/2014	FLOOD BARRIERS UPDATED	DLIC	DNA
2	3/07/2014	CULVERT AMENDED THOUGH BING LEE	DH	DNA
1	20/11/2013	PRELIMINARY	DH	DNA



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Drawn	Date	18/11/2013	Client	WESTFIELD DESIGN & CONSTRUCTION			Status	PRELIMINARY		
DH				WARINGAH MALL						
Checked	Date	18/11/2013		CONCEPT DRAINAGE AUGMENTATION WORKS						
Designed	Date	18/11/2013								
DNA	Verified	Date								
Approved	Date		BUILDING DEMOITION PLAN				W4548-435			4

				
SCALE OF METRES (1:50 BEFORE REDUCTION)				
REDUCTION				
State _____				
PRELIMINARY				
Date	Drawn	Scale		Size
18/11/2013	AHD	1:50		A1
Drawing Number				Revision
M4548-435				4

Rev	Date	Description	Drawn	Appr
3	5/11/2014	FLOOD BARRIERS UPDATED	LJC	DNA
2	30/07/2014	CULVERT AMENED THOUGH BING LEE	DH	DNA
1	20/11/2013	PRELIMINARY	DH	DNA



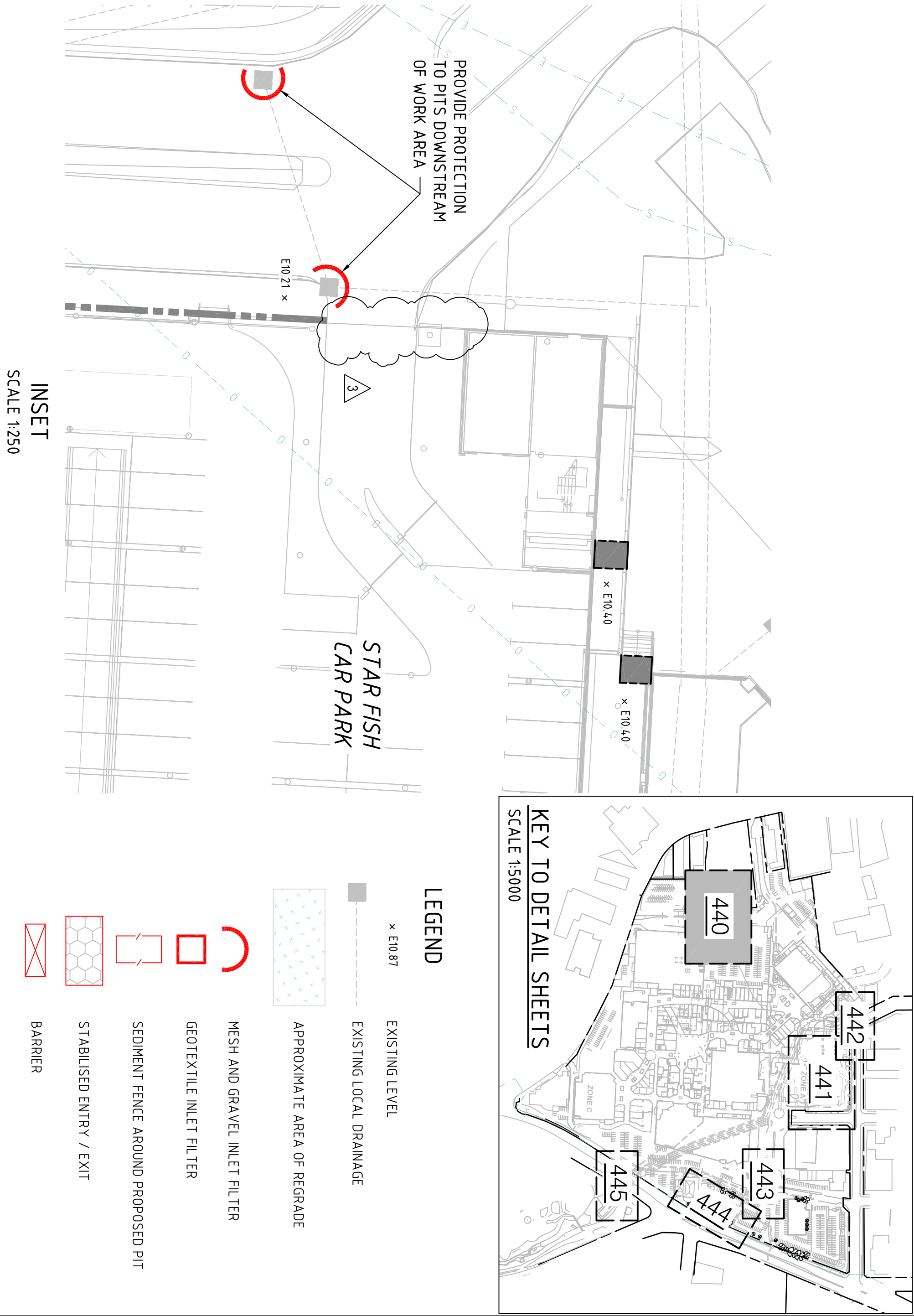
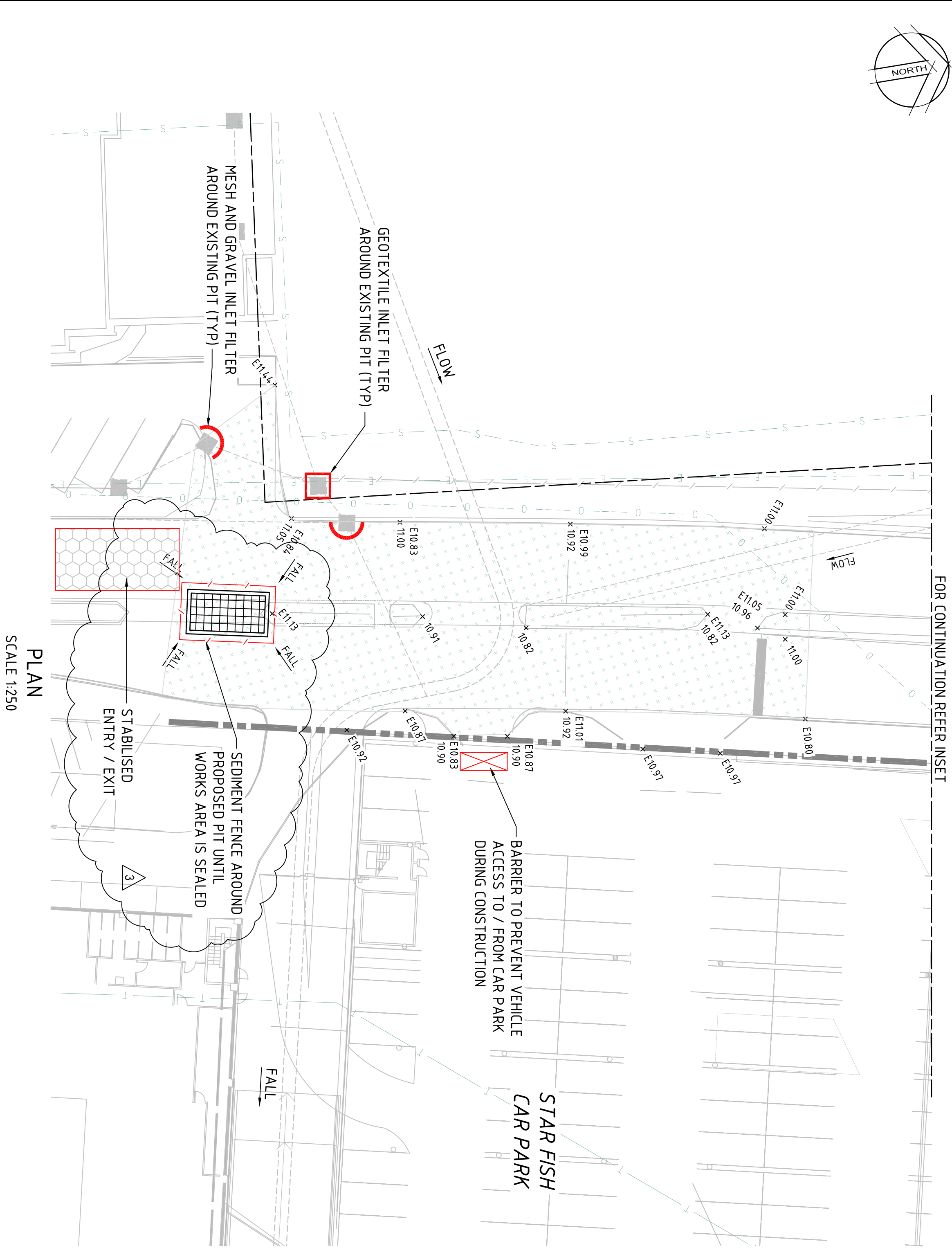
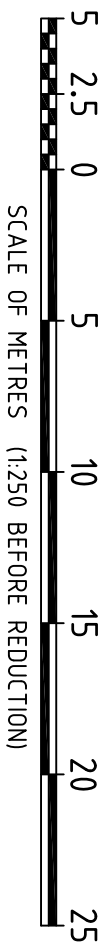
Westfield
100 WIMBORNE STREET, SYDNEY NSW 2001
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A&H: 000 207 235

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Drawn	Date	Client	Status
DH	18/11/2013	WESTFIELD DESIGN & CONSTRUCTION	PRELIMINARY
Checked	Date	WARRINGAH MALL	Date
DNA	18/11/2013	CONCEPT DRAINAGE AUGMENTATION WORKS	18/11/2013
Designed	Date		
DNA	18/11/2013		
Verified	Date		
Approved	Date	EROSION & SEDIMENT CONTROL PLAN SHEET 1 OF 6	



Rev	Date	Description	Drawn	Appr
1	2011/2013	PRELIMINARY	DH	DNA
2	30/07/2014	CULVERT AMENDED THOUGH BING LEE	DH	DNA
3	5/11/2014	FLOOD BARRIERS UPDATED	LIC	DNA
4	7/11/2014	BING LEE, HCF & GODFATHERS NOTE ADDED	LIC	DNA



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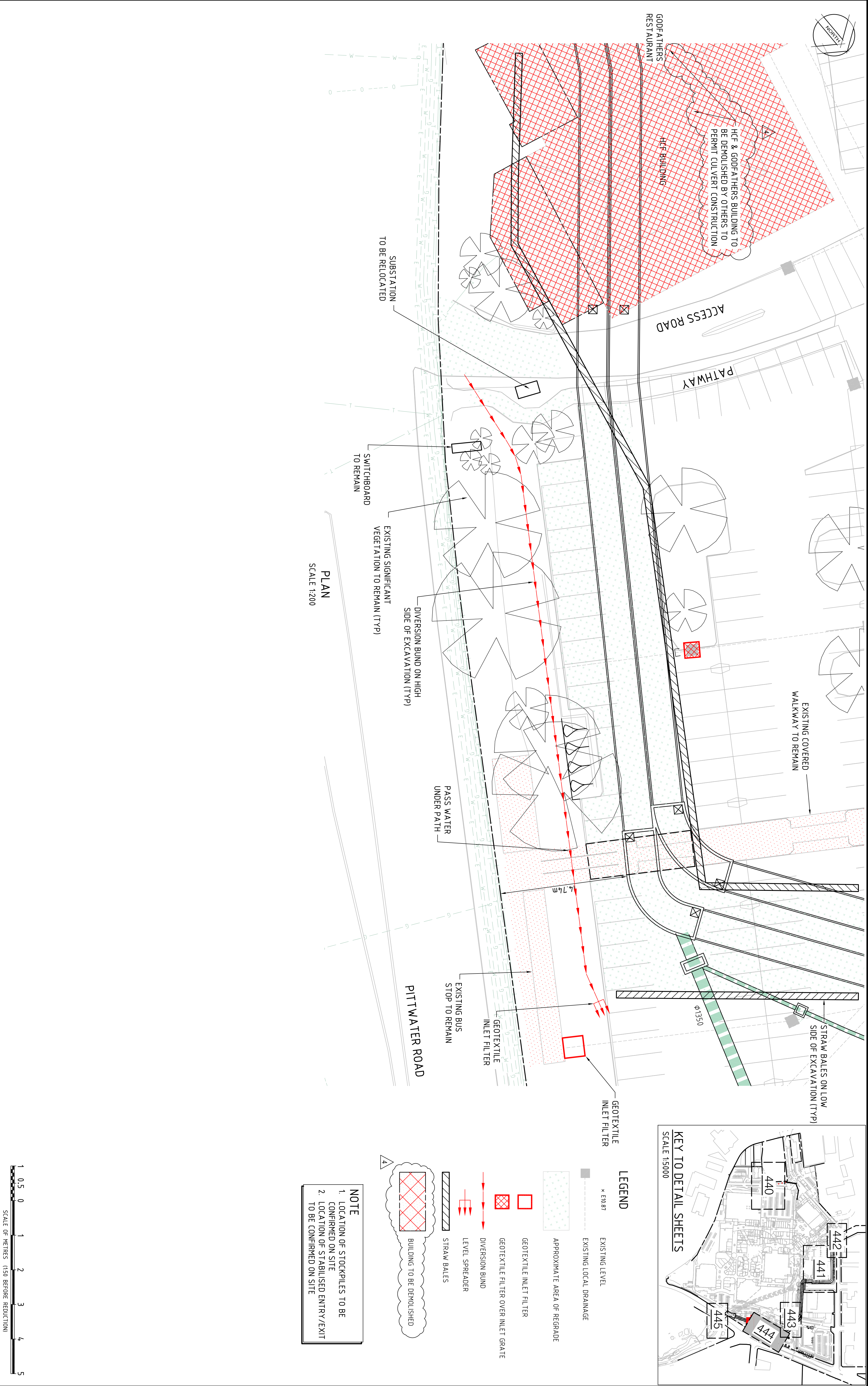
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Drawn	Check	Date	Client
DH	DNA	18/11/2013	WESTFIELD DESIGN & CONSTRUCTION
Designed	DNA	18/11/2013	WARRINGAH MALL CONCEPT DRAINAGE AUGMENTATION WORKS
Verified	DNA	Date	
Approved	Date	Date	

EROSION & SEDIMENT CONTROL PLAN SHEET 5 OF 6

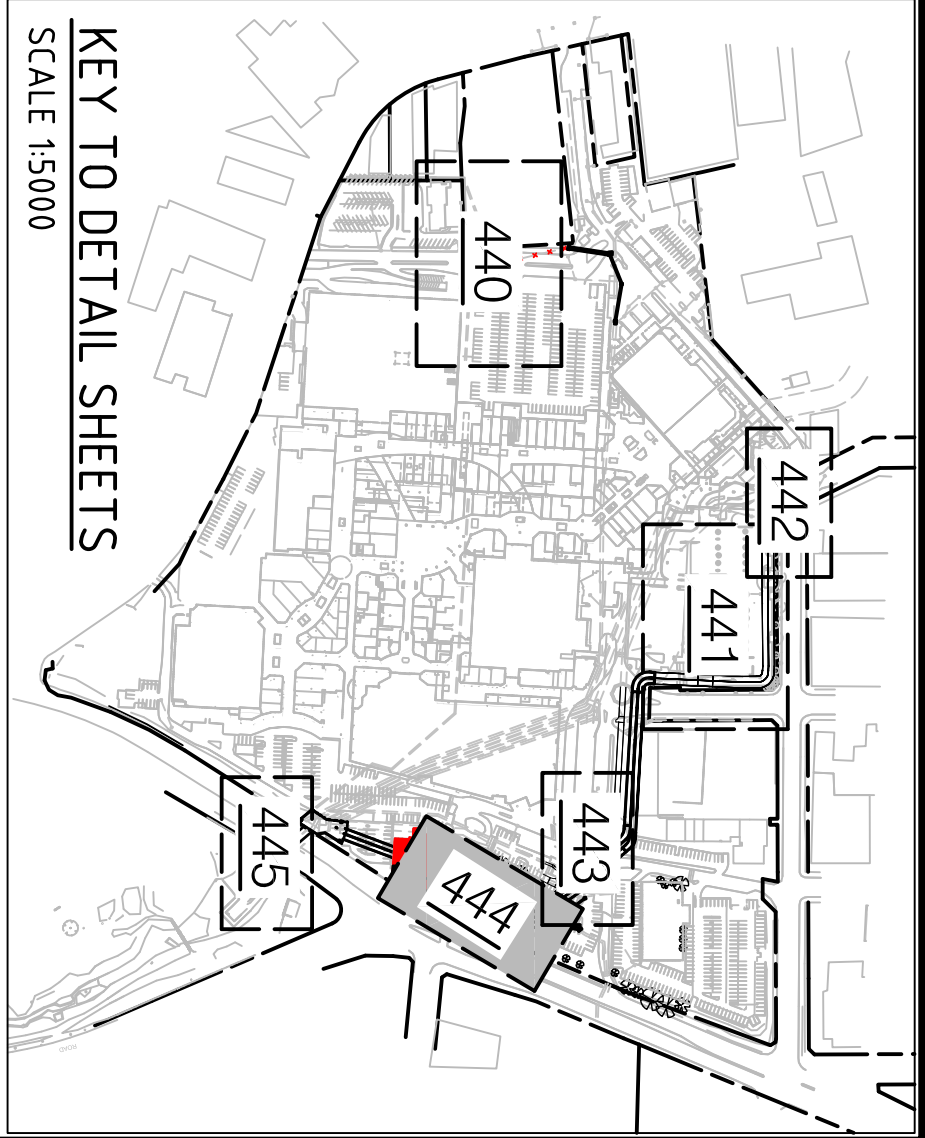
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Drawing Number	W4548-444				
Revision	4				

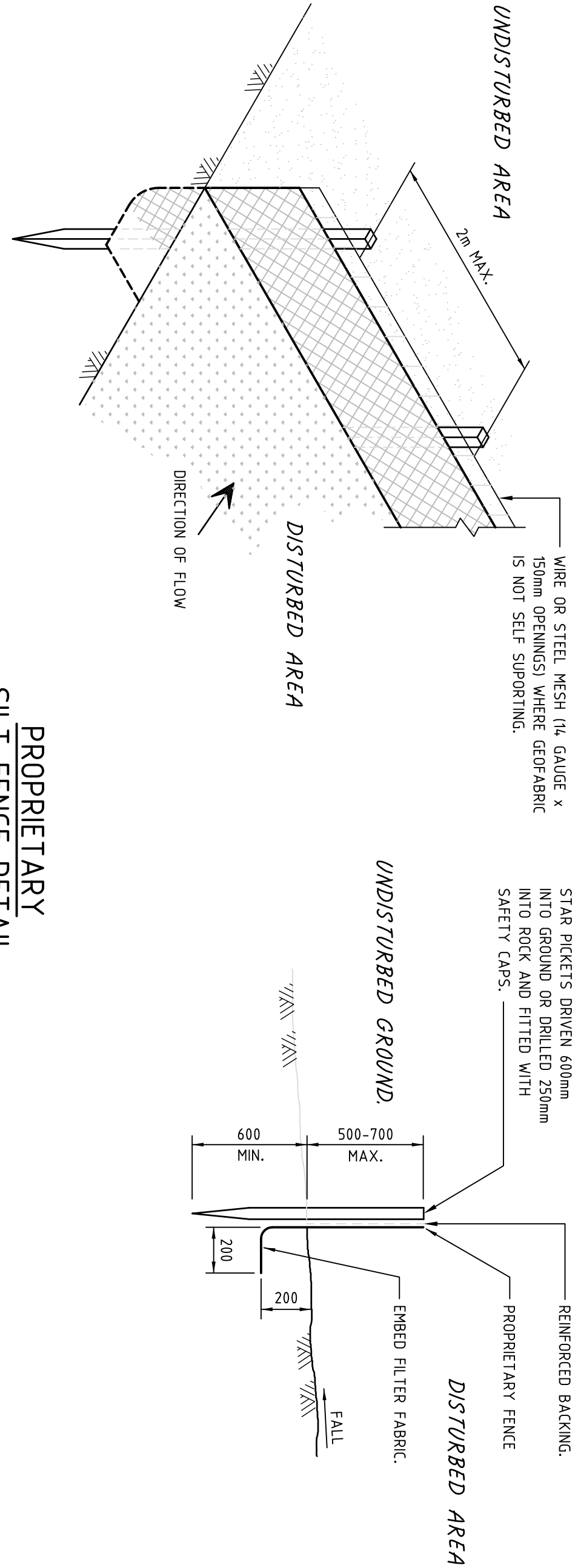


NOTE
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2. LOCATION OF STABILISED ENTRY/EXIT TO BE CONFIRMED ON SITE

LEGEND

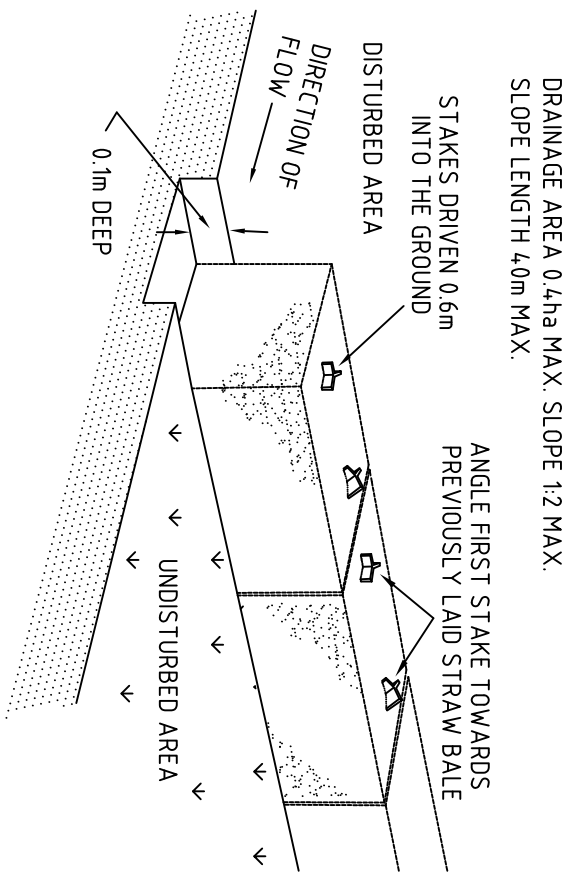
- EXISTING LEVEL
- EXISTING LOCAL DRAINAGE
- APPROXIMATE AREA OF REGRADE
- GEOTEXTILE INLET FILTER
- GEOTEXTILE FILTER OVER INLET GRATE
- DIVERSION BUND
- LEVEL SPREADER
- STRAW BALES
- BUILDING TO BE DEMOLISHED





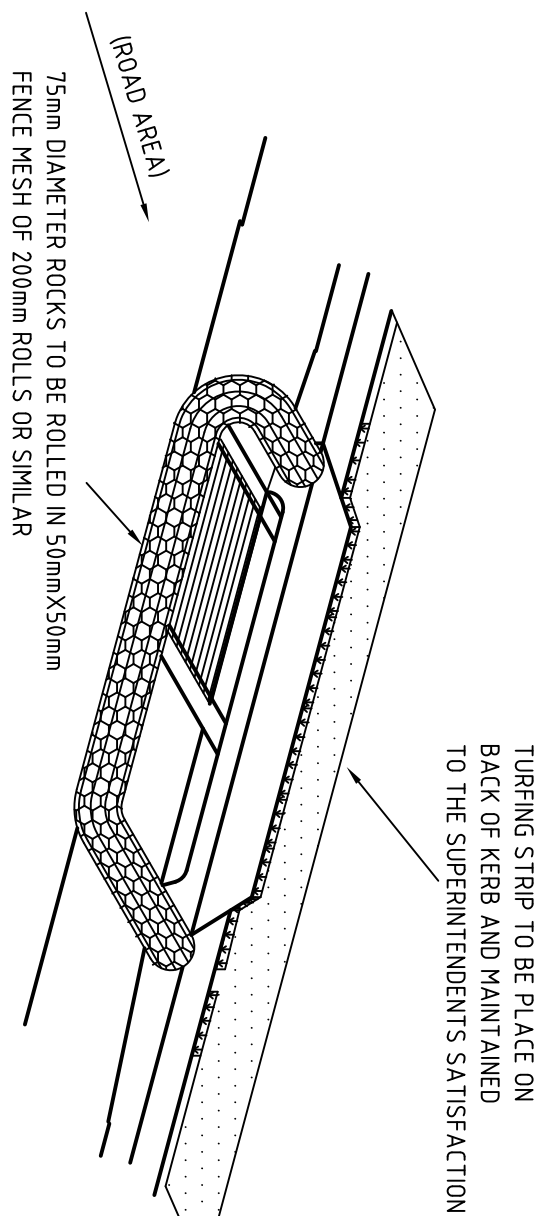
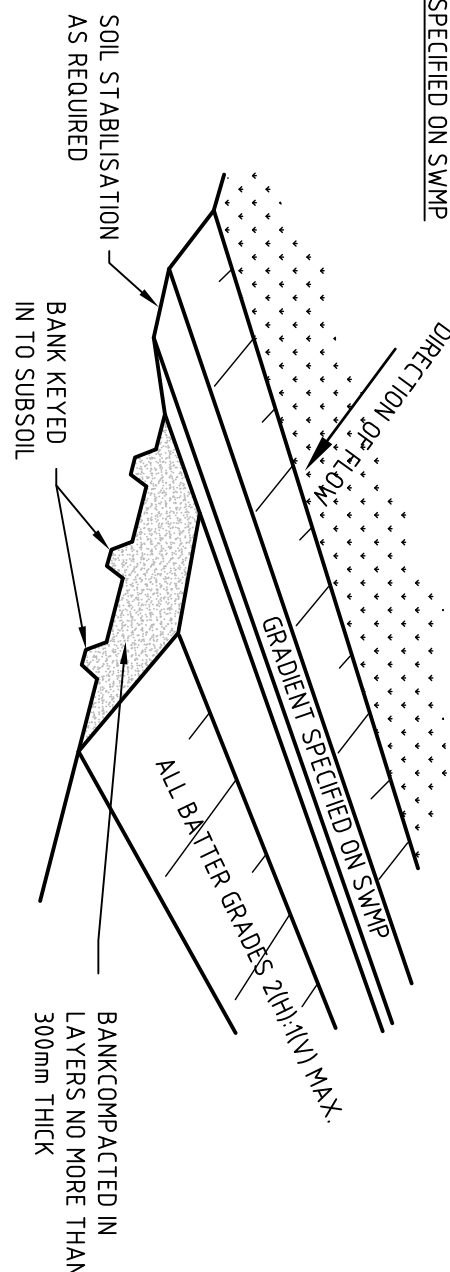
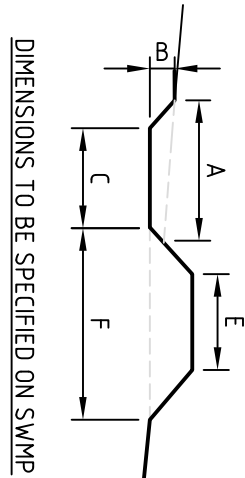
PROPRIETARY SILT FENCE DETAIL

NOT TO SCALE



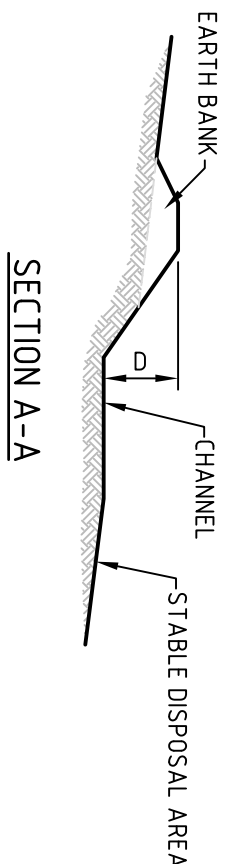
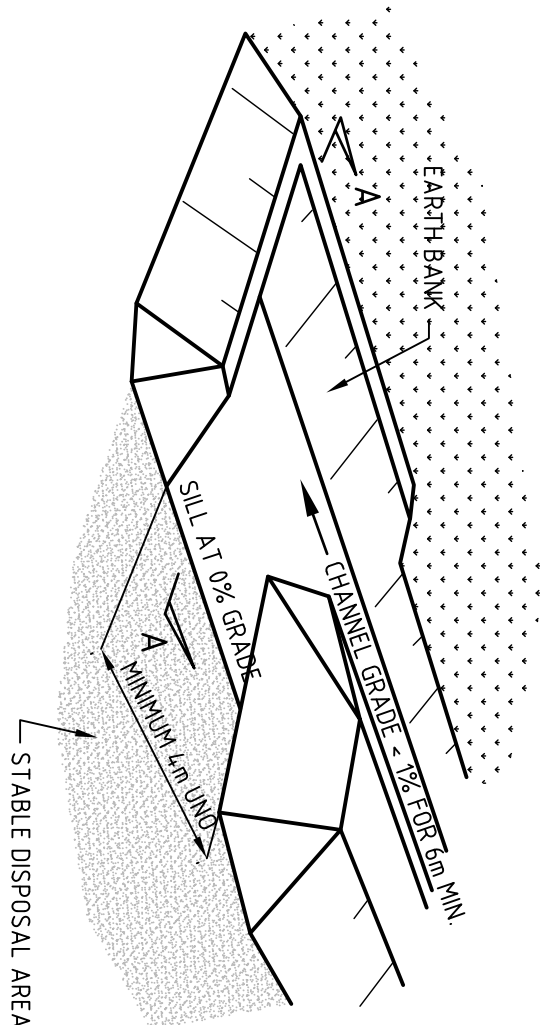
STRAW BALE SEDIMENT FILTER

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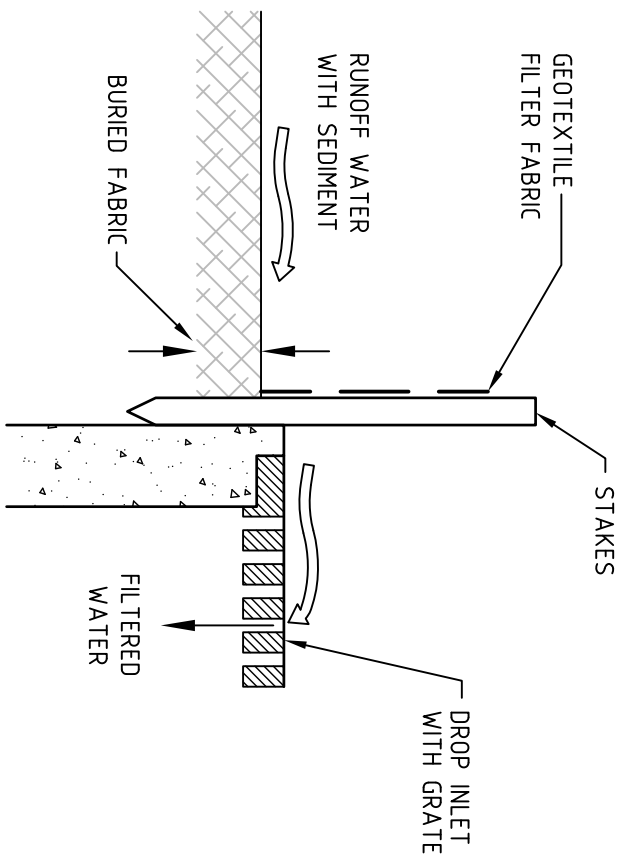
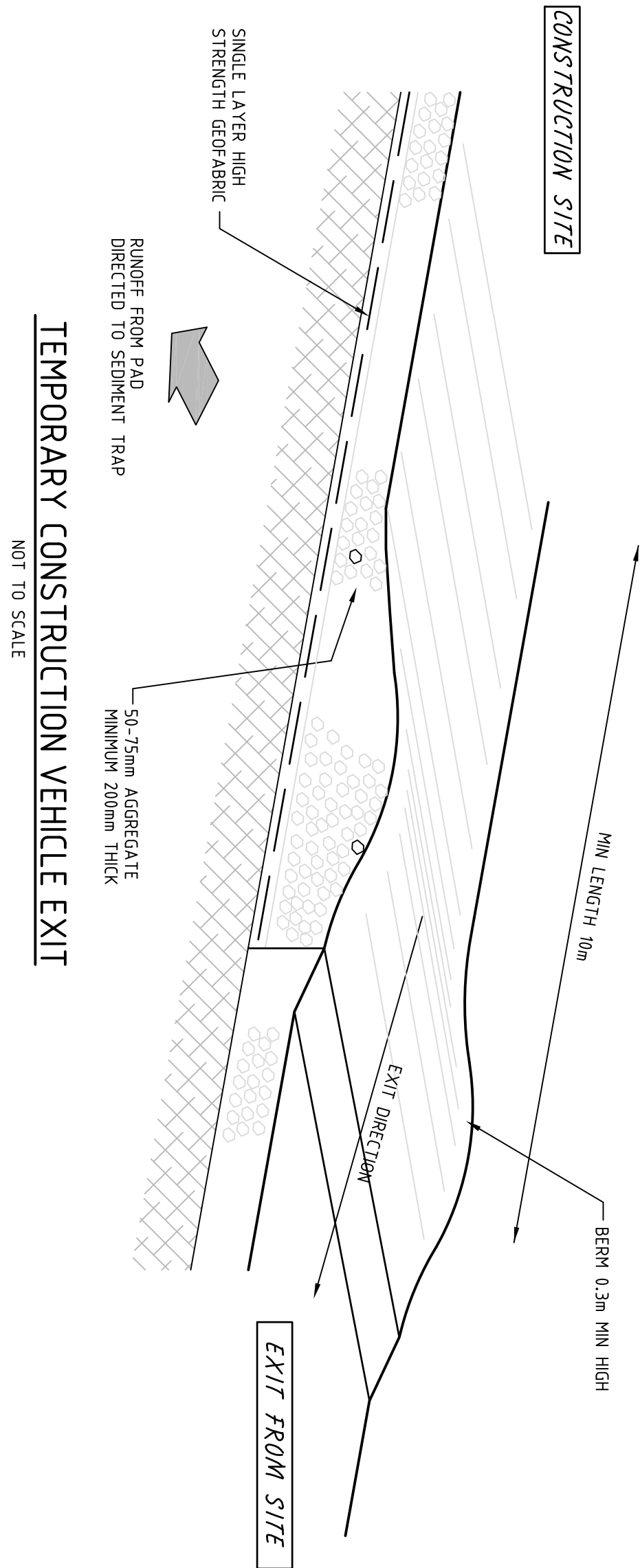
DETAIL OF MESH AND GRAVEL INLET

NOT TO SCALE



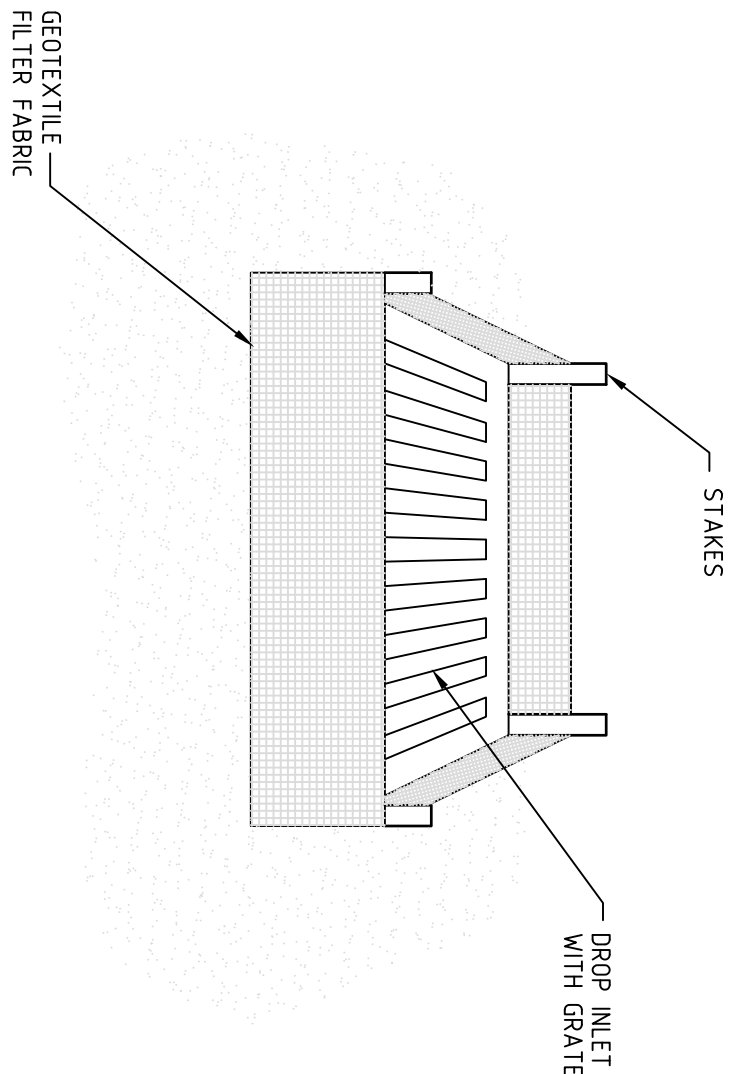
DIVERSION BUND & LEVEL SPREADER

NOT TO SCALE



GEOTEXTILE FILTER SEDIMENT TRAP

NOT TO SCALE



Rev	Date	Description	Drawn	Appr
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Checked	Date
DNA	18/11/2013
Designed	Date
DNA	18/11/2013
Verified	Date
Approved	Date

Client	Westfield Design & Construction
WARRINGAH MALL	
CONCEPT DRAINAGE AUGMENTATION WORKS	

Status	Preliminary
Date	18/11/2013
Drawn	AHD
Scale	AS SHOWN
Size	A1
Revision	3