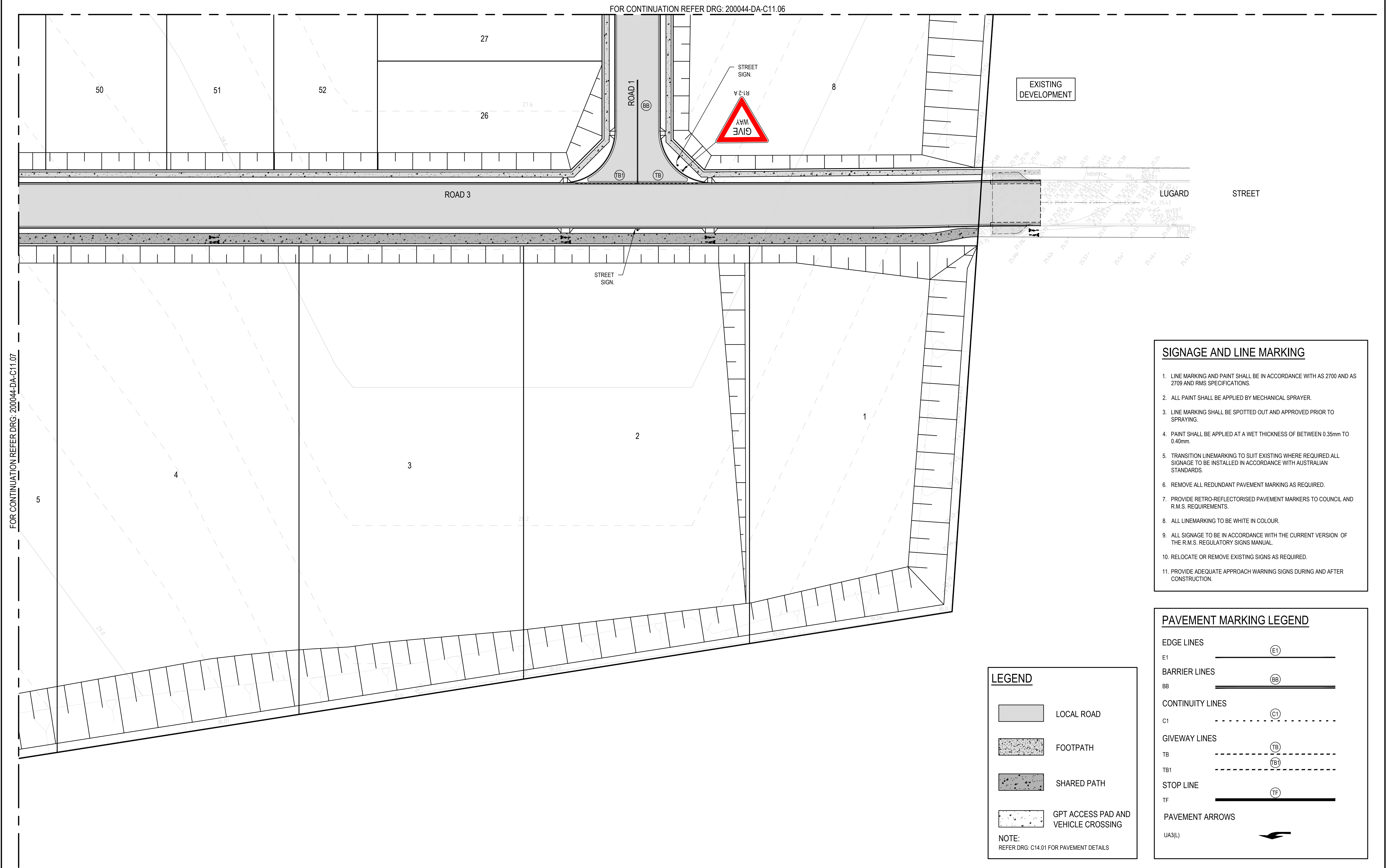




- ### SIGNAGE AND LINE MARKING
1. LINE MARKING AND PAINT SHALL BE IN ACCORDANCE WITH AS 2700 AND AS 2709 AND RMS SPECIFICATIONS.
 2. ALL PAINT SHALL BE APPLIED BY MECHANICAL SPRAYER.
 3. LINE MARKING SHALL BE SPOTTED OUT AND APPROVED PRIOR TO SPRAYING.
 4. PAINT SHALL BE APPLIED AT A WET THICKNESS OF BETWEEN 0.35mm TO 0.40mm.
 5. TRANSITION LINEMARKING TO SUIT EXISTING WHERE REQUIRED. ALL SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARDS.
 6. REMOVE ALL REDUNDANT PAVEMENT MARKING AS REQUIRED.
 7. PROVIDE RETRO-REFLECTORISED PAVEMENT MARKERS TO COUNCIL AND R.M.S. REQUIREMENTS.
 8. ALL LINEMARKING TO BE WHITE IN COLOUR.
 9. ALL SIGNAGE TO BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE R.M.S. REGULATORY SIGNS MANUAL.
 10. RELOCATE OR REMOVE EXISTING SIGNS AS REQUIRED.
 11. PROVIDE ADEQUATE APPROACH WARNING SIGNS DURING AND AFTER CONSTRUCTION.

PAVEMENT MARKING LEGEND

EDGE LINES	E1
BARRIER LINES	BB
CONTINUITY LINES	C1
GIVEWAY LINES	TB
STOP LINE	TF
PAVEMENT ARROWS	UA3(L)

LEGEND

LOCAL ROAD	
FOOTPATH	
SHARED PATH	
GPT ACCESS PAD AND VEHICLE CROSSING	

NOTE:
REFER DRG: C14.01 FOR PAVEMENT DETAILS

2	17/12/2020	ISSUED FOR DEVELOPMENT APPLICATION	MDH	ML	MKH	MKH
1	11/12/2020	ISSUED FOR CLIENT REVIEW	MDH	ML	MKH	MKH
REV.	DATE	DESCRIPTION	DRN	DES.	VERIF.	APPD.

Client

NEPEAN BUSINESS PARK

Scale

0 10 20 30 40 50m

SCALE 1:500 @A1

North

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Project
NEPEAN BUSINESS PARK
PENRITH

Title
PAVEMENT, SIGNAGE AND LINEMARKING PLAN
SHEET 08

Scale
1:500

Date
11/12/2020

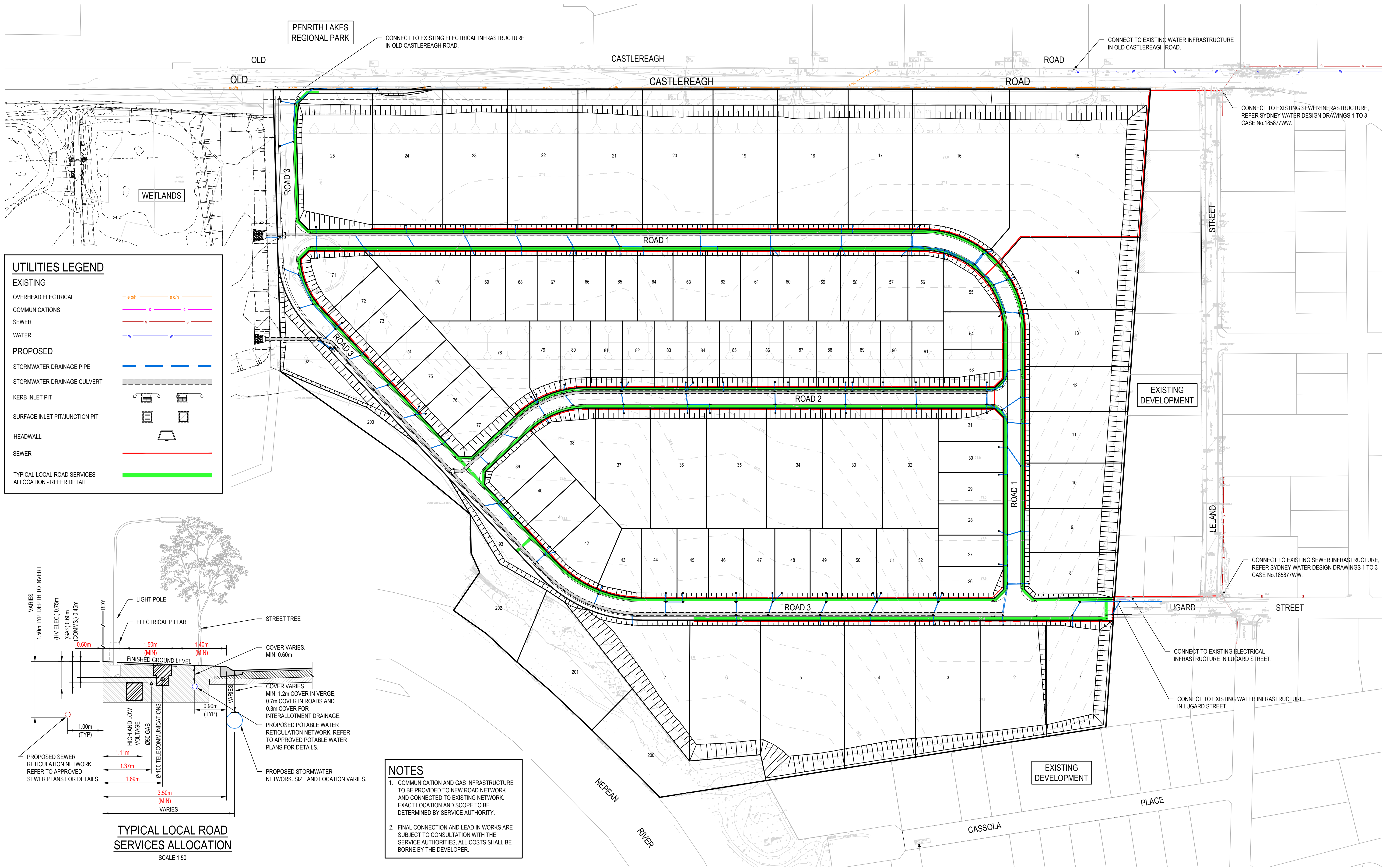
Size
A1

Datum
AHD

Status
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NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
200044-DA-C11.08

Revision
2



UTILITIES LEGEND

EXISTING

OVERHEAD ELECTRICAL — e o/h — e o/h

COMMUNICATIONS — c — c

SEWER — s — s

WATER — w — w

PROPOSED

STORMWATER DRAINAGE PIPE — —

STORMWATER DRAINAGE CULVERT — —

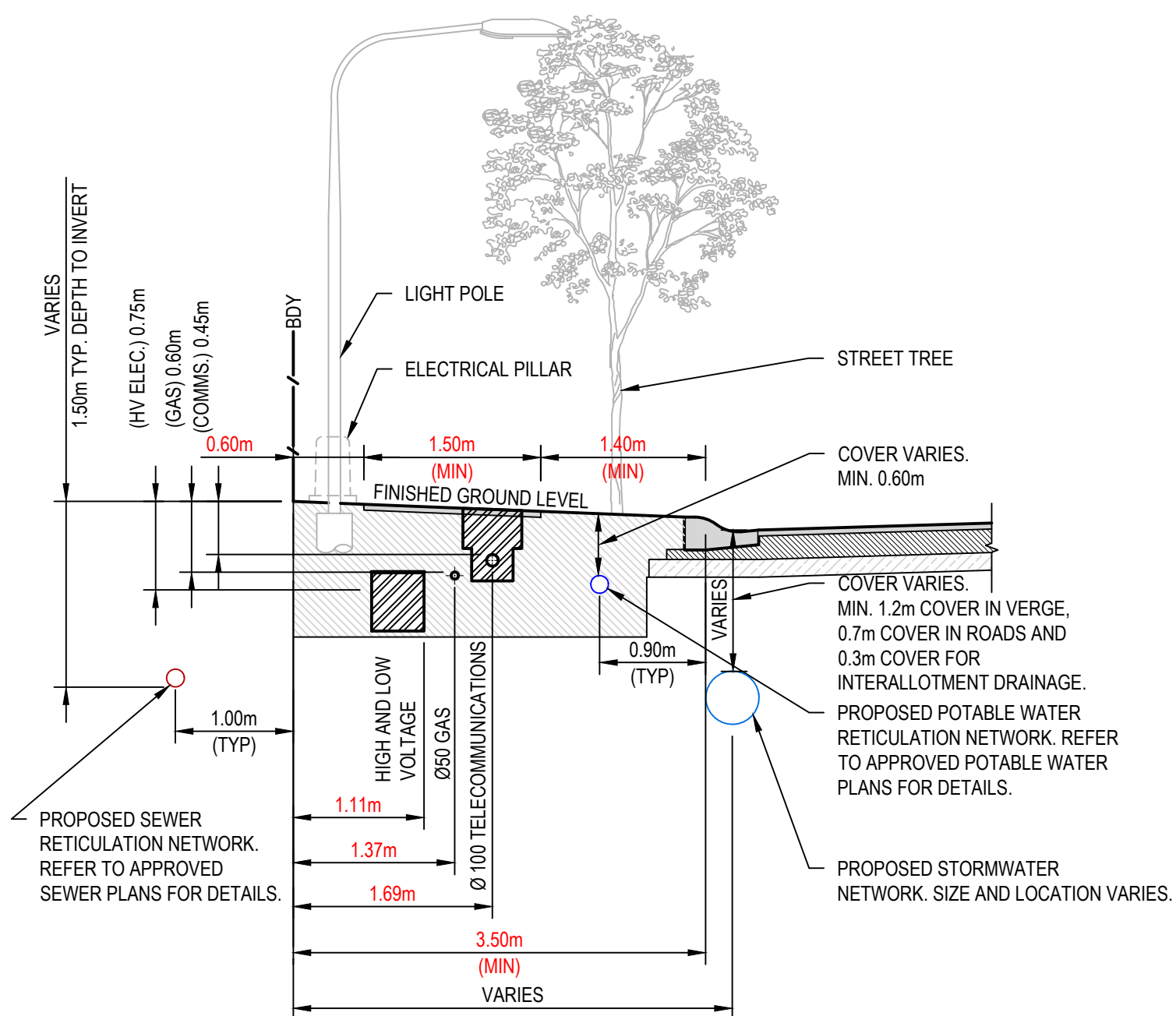
KERB INLET PIT

SURFACE INLET PIT/JUNCTION PIT

HEADWALL

SEWER

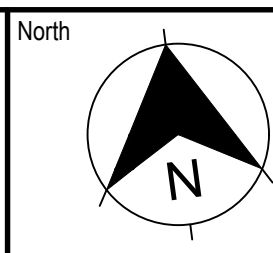
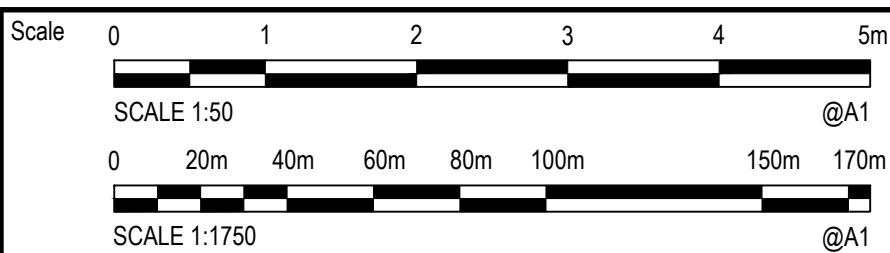
TYPICAL LOCAL ROAD SERVICES ALLOCATION - REFER DETAIL



TYPICAL LOCAL ROAD SERVICES ALLOCATION
SCALE 1:50

- NOTES**
1. COMMUNICATION AND GAS INFRASTRUCTURE TO BE PROVIDED TO NEW ROAD NETWORK AND CONNECTED TO EXISTING NETWORK. EXACT LOCATION AND SCOPE TO BE DETERMINED BY SERVICE AUTHORITY.
 2. FINAL CONNECTION AND LEAD IN WORKS ARE SUBJECT TO CONSULTATION WITH THE SERVICE AUTHORITIES. ALL COSTS SHALL BE BORNE BY THE DEVELOPER.

REV.	DATE	DESCRIPTION	MDH	ML	MKH	MKH
1	4/11/2021	ISSUED FOR INFORMATION				

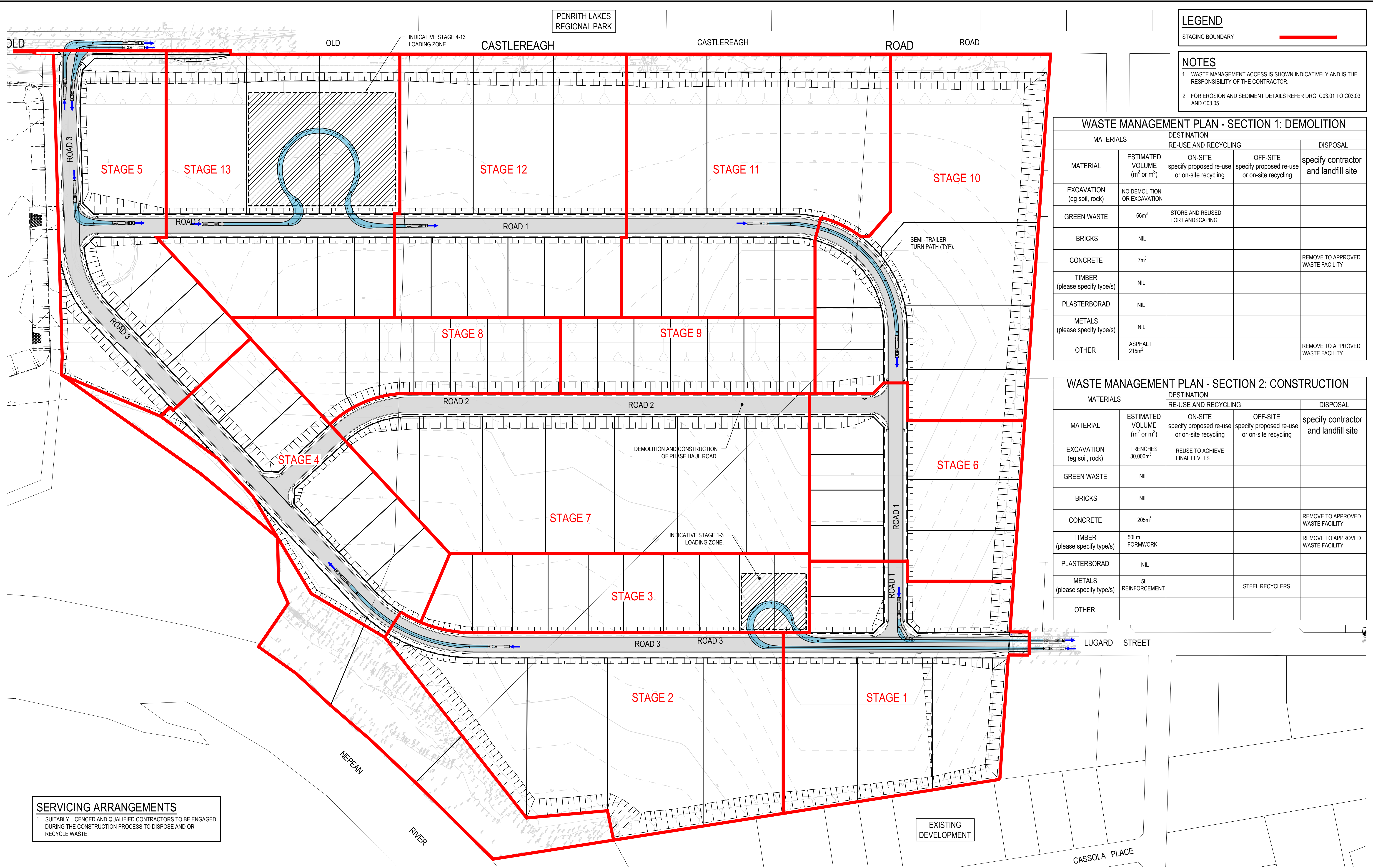


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Project
NEPEAN BUSINESS PARK
PENRITH
Title
CONCEPT SERVICES INFRASTRUCTURE
COORDINATION PLAN

Scale
1:1750
Date
04/11/2021
Size
A1
Datum
AHD

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION
Project Number/Drawing Number
200044-DA-C12.01
Revision
1



LEGEND

STAGING BOUNDARY

NOTES

- 1. WASTE MANAGEMENT ACCESS IS SHOWN INDICATIVELY AND IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 2. FOR EROSION AND SEDIMENT DETAILS REFER DRG: C03.01 TO C03.03 AND C03.05

WASTE MANAGEMENT PLAN - SECTION 1: DEMOLITION

MATERIALS		DESTINATION		DISPOSAL
		RE-USE AND RECYCLING		
MATERIAL	ESTIMATED VOLUME (m ² or m ³)	ON-SITE specify proposed re-use or on-site recycling	OFF-SITE specify proposed re-use or on-site recycling	specify contractor and landfill site
EXCAVATION (eg soil, rock)	NO DEMOLITION OR EXCAVATION			
GREEN WASTE	66m ³	STORE AND REUSED FOR LANDSCAPING		
BRICKS	NIL			
CONCRETE	7m ³			REMOVE TO APPROVED WASTE FACILITY
TIMBER (please specify type/s)	NIL			
PLASTERBORAD	NIL			
METALS (please specify type/s)	NIL			
OTHER	ASPHALT 215m ²			REMOVE TO APPROVED WASTE FACILITY

WASTE MANAGEMENT PLAN - SECTION 2: CONSTRUCTION

MATERIALS		DESTINATION		
		RE-USE AND RECYCLING		DISPOSAL
MATERIAL	ESTIMATED VOLUME (m ² or m ³)	ON-SITE specify proposed re-use or on-site recycling	OFF-SITE specify proposed re-use or on-site recycling	specify contractor and landfill site
EXCAVATION (eg soil, rock)	TRENCHES 30,000m ²	REUSE TO ACHIEVE FINAL LEVELS		
GREEN WASTE	NIL			
BRICKS	NIL			
CONCRETE	205m ³			REMOVE TO APPROVED WASTE FACILITY
TIMBER (please specify type/s)	50Lm FORMWORK			REMOVE TO APPROVED WASTE FACILITY
PLASTERBORAD	NIL			
METALS (please specify type/s)	5t REINFORCEMENT		STEEL RECYCLERS	
OTHER				

SERVICING ARRANGEMENTS

- 1. SUITABLY LICENCED AND QUALIFIED CONTRACTORS TO BE ENGAGED DURING THE CONSTRUCTION PROCESS TO DISPOSE AND OR RECYCLE WASTE.

REV.	DATE	DESCRIPTION	MDH	AD	AD	AD
1	4/11/2021	ISSUED FOR INFORMATION				

Client

NEPEAN BUSINESS PARK

Scale

SCALE 1:1500 @A1

North

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Project
NEPEAN BUSINESS PARK
PENRITH

Title
SERVICING ARRANGEMENTS, WASTE MANAGEMENT
AND LOADING ZONES PLAN

Scale
1:1500

Date
04/11/2021

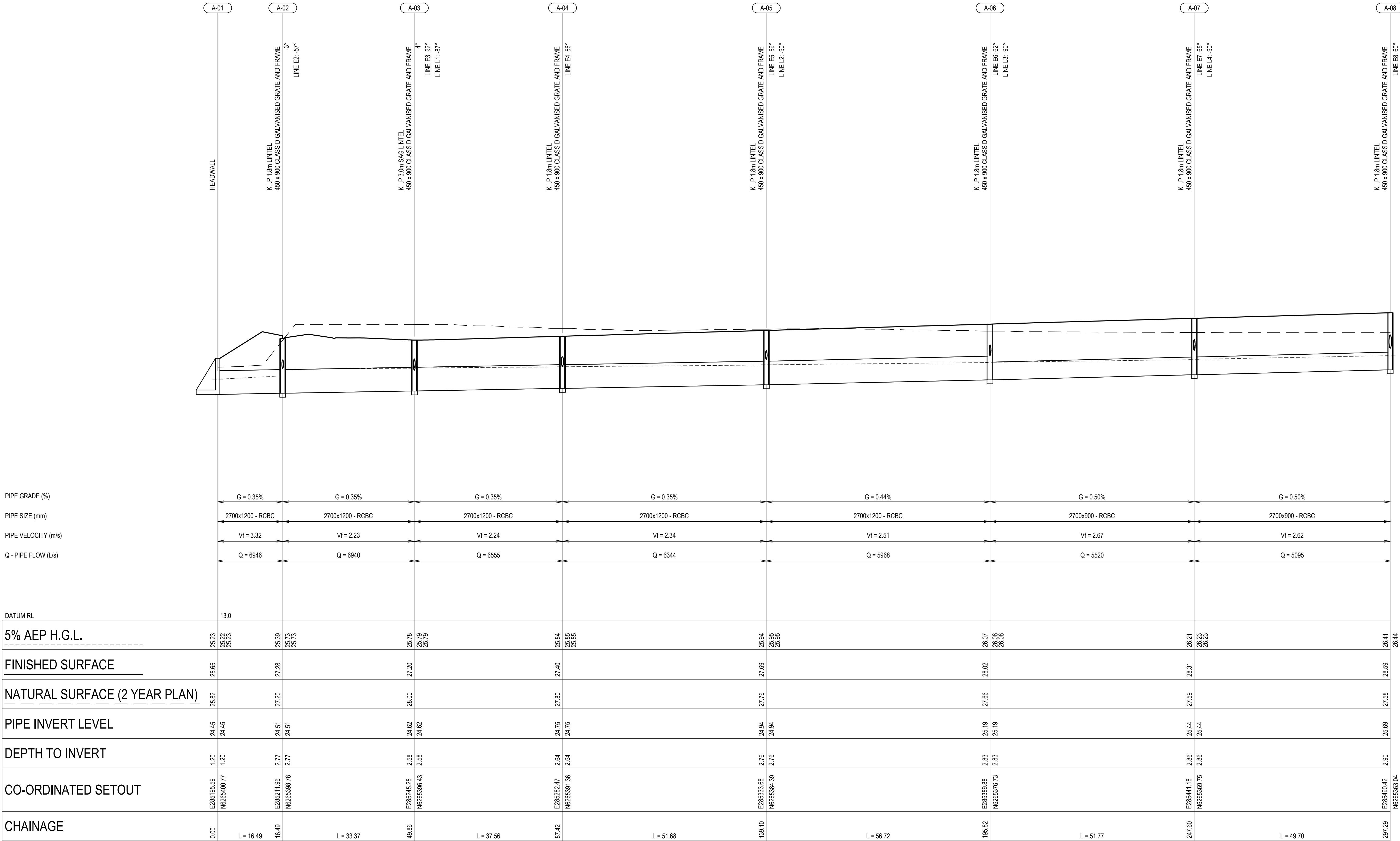
Size
A1

Datum
AHD

Status
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Project Number/Drawing Number
200044-DA-C12.50

Revision
1



LINE A

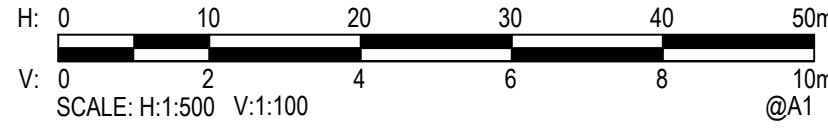
REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
4	17/12/2020	ISSUED FOR DEVELOPMENT APPLICATION	MDH	ML	MKH	MKH
3	11/12/2020	ISSUED FOR CLIENT REVIEW	MDH	ML	MKH	MKH
2	2/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	MKH
1	28/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	MKH

Client



NEPEAN
BUSINESS
PARK

Scale



H: 0 10 20 30 40 50m
V: 0 2 4 6 8 10m
SCALE: H:1:500 V:1:100
@A1

North

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Project
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PENRITH

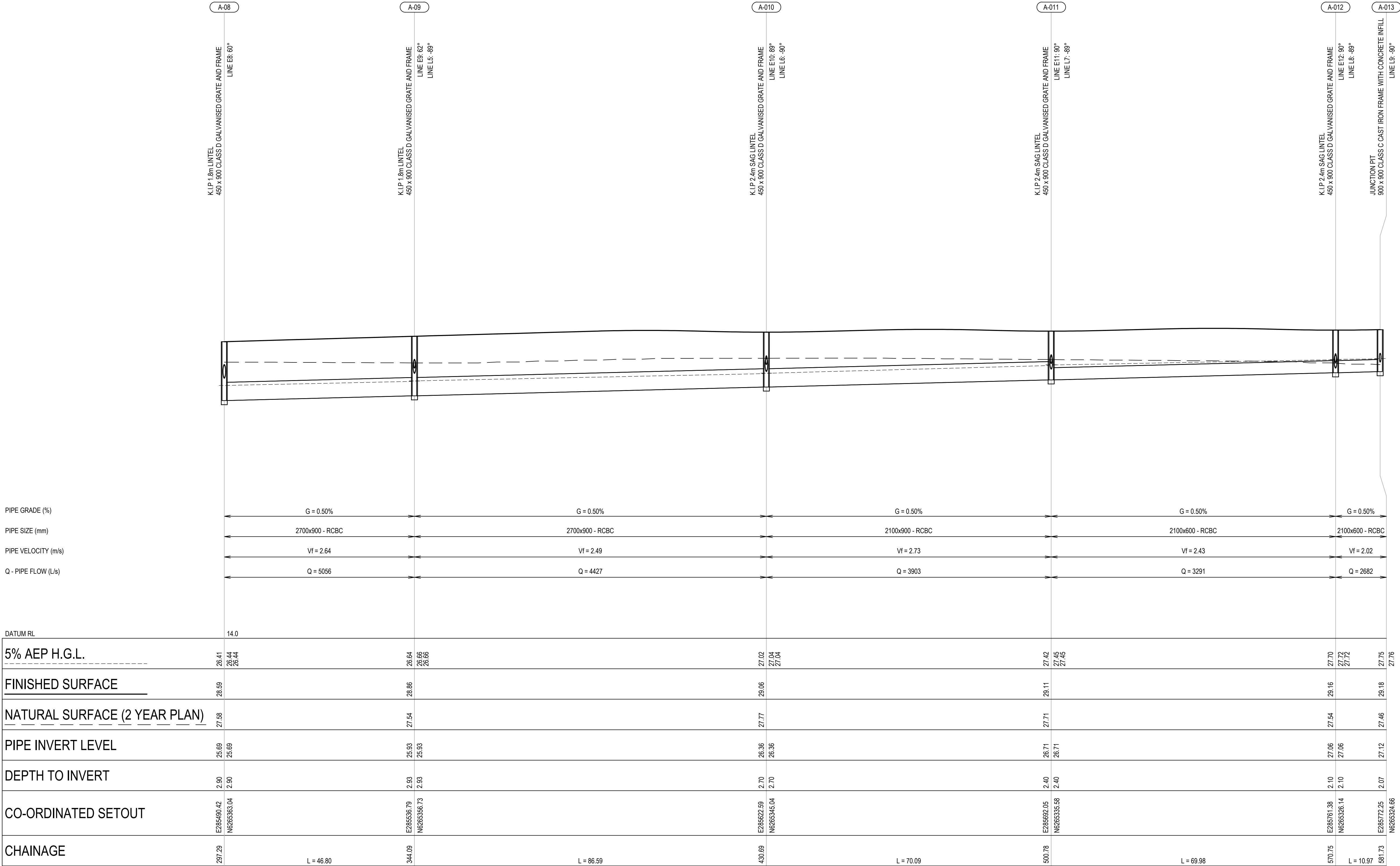
Title
STORMWATER LONGITUDINAL SECTIONS
SHEET 01

Scale
AS SHOWN
Date
28/10/2020
Size
A1
Datum
AHD

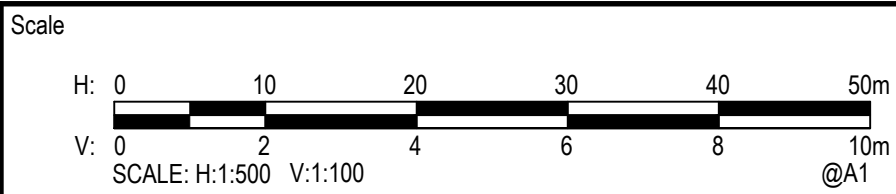
Status
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Project Number/Drawing Number
200044-DA-C13.01

Revision
4



REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
4	17/12/2020	ISSUED FOR DEVELOPMENT APPLICATION	MDH	ML	MKH	MKH
3	11/12/2020	ISSUED FOR CLIENT REVIEW	MDH	ML	MKH	MKH
2	2/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	MKH
1	28/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	



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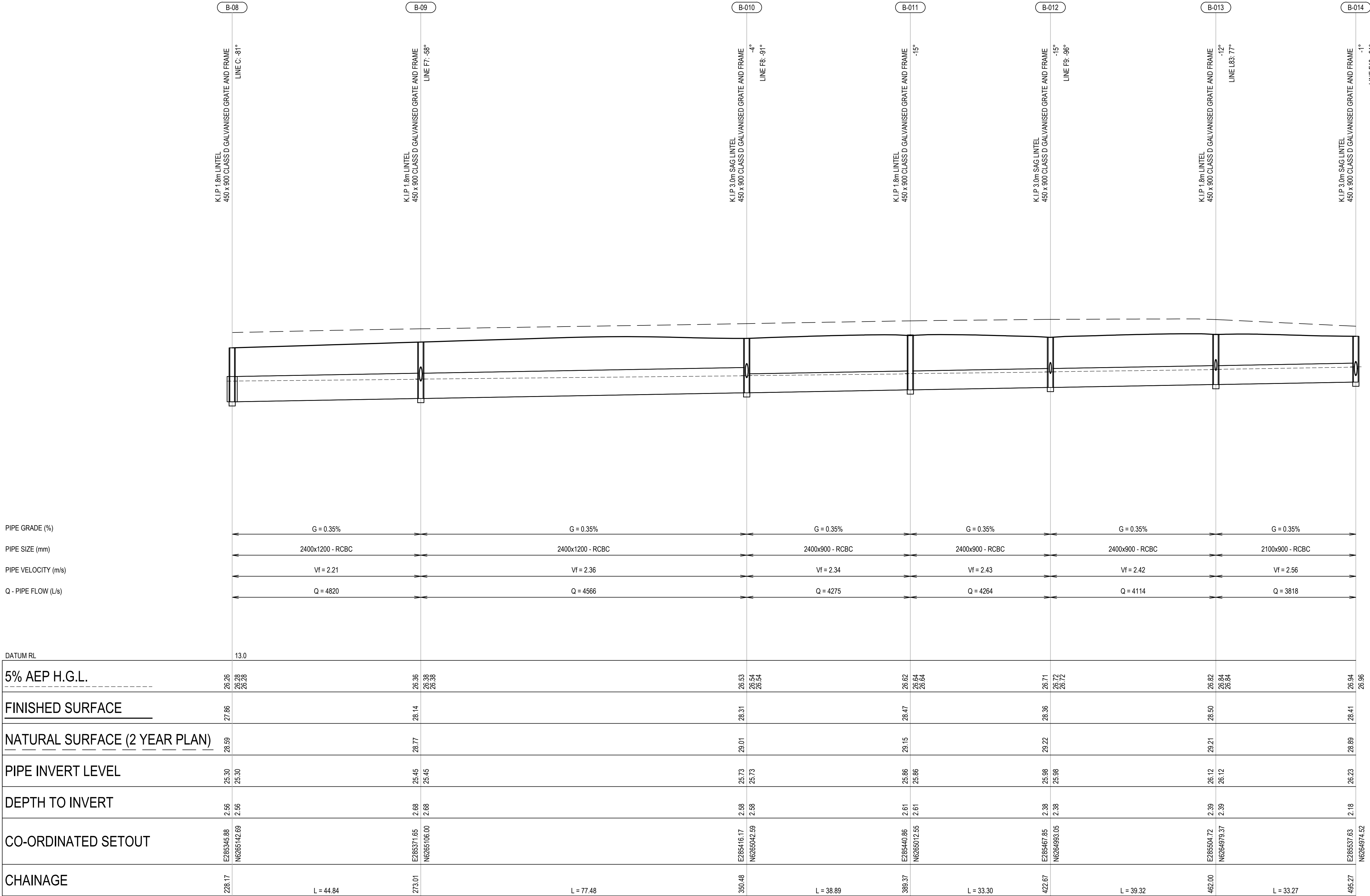


Project NEPEAN BUSINESS PARK PENRITH	Scale AS SHOWN Date 28/10/2020	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Title STORMWATER LONGITUDINAL SECTIONS SHEET 02	Size A1 Datum AHD	Project Number/Drawing Number 200044-DA-C13.02

Revision 4



CAD File: P:\200044 NepeanBusinessPark\1D-Civil\01-Subdivision\Drawings\6-DACC\3-DA COURT DRAWINGS\200044-DA-C13.01-C13.08 STORMWATER LONGITUDINAL SECTIONS.dwg



LINE B

REV	DATE	DESCRIPTION	DRN	DES	VERIF	APPD
4	17/12/2020	ISSUED FOR DEVELOPMENT APPLICATION	MDH	ML	MKH	MKH
3	11/12/2020	ISSUED FOR CLIENT REVIEW	MDH	ML	MKH	MKH
2	2/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	MKH
1	28/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	

Client



NEPEAN
BUSINESS
PARK

Scale

H: 0 10 20 30 40 50m

V: 0 2 4 6 8 10m

SCALE: H:1:500 V:1:100

@A1

North

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Project
NEPEAN BUSINESS PARK
PENRITH

Title
STORMWATER LONGITUDINAL SECTIONS
SHEET 04

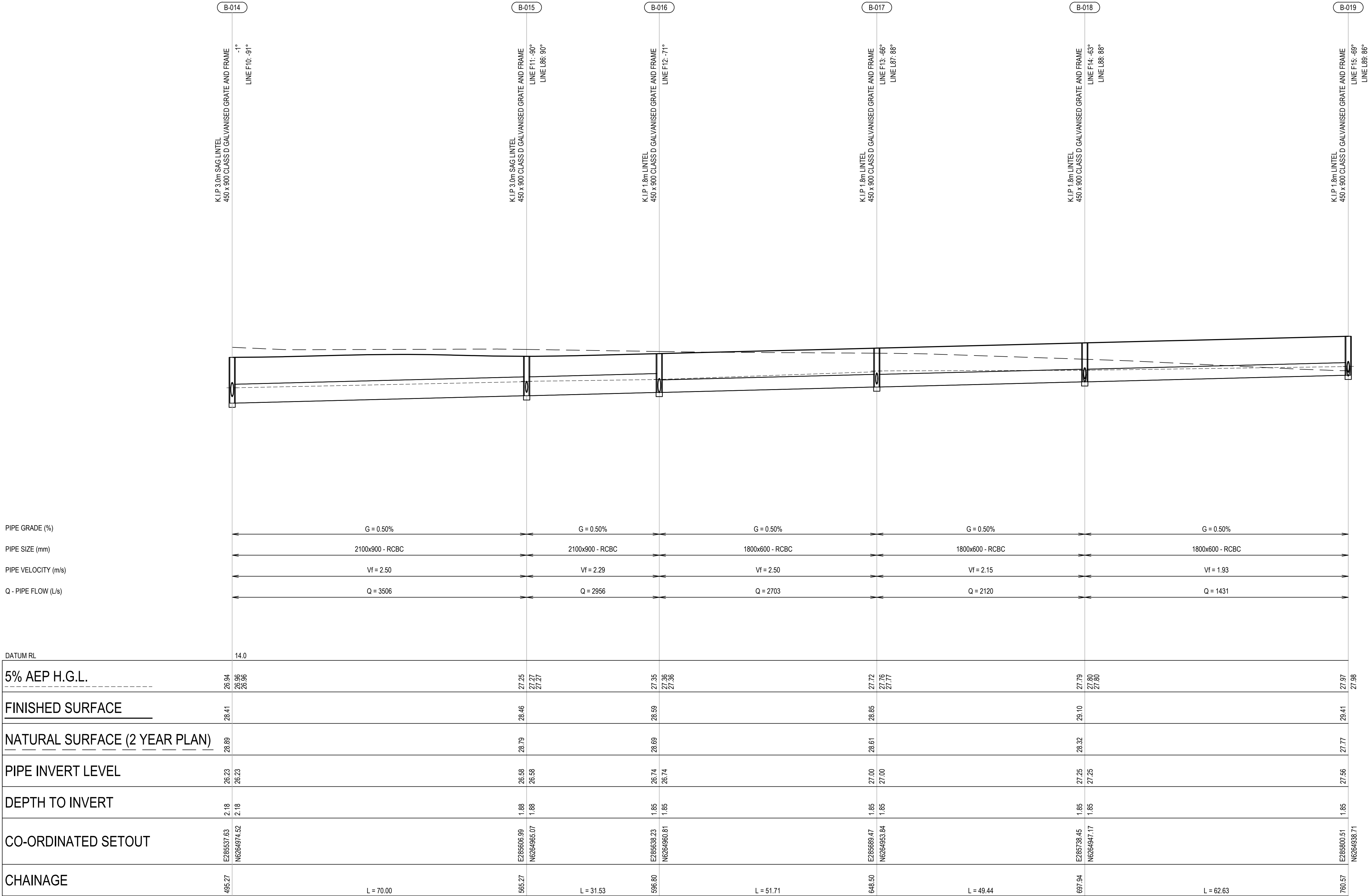
Scale
AS SHOWN
Date
28/10/2020

Size
A1
Datum
AHD

Status
FOR INFORMATION ONLY
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Project Number/Drawing Number
200044-DA-C13.04

Revision
4



LINE B

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
4	17/12/2020	ISSUED FOR DEVELOPMENT APPLICATION	MDH	ML	MKH	MKH
3	11/12/2020	ISSUED FOR CLIENT REVIEW	MDH	ML	MKH	MKH
2	2/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	MKH
1	28/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	MKH

Client



NEPEAN
BUSINESS
PARK

Scale

H: 0 10 20 30 40 50m

V: 0 2 4 6 8 10m

SCALE: H:1:500 V:1:100

@A1

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Project
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PENRITH

Title
STORMWATER LONGITUDINAL SECTIONS
SHEET 05

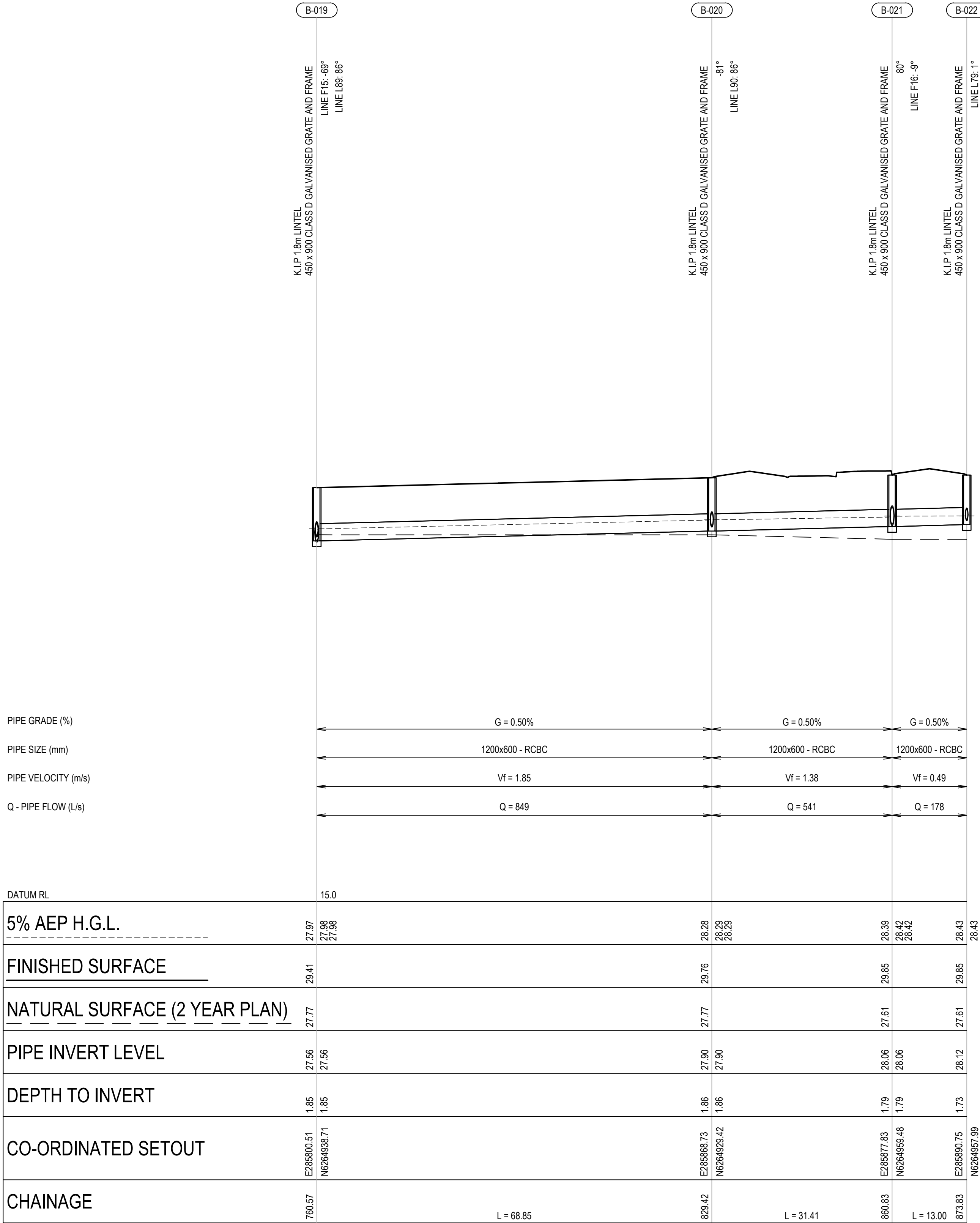
Scale
AS SHOWN
Date
28/10/2020

Size
A1
Datum
AHD

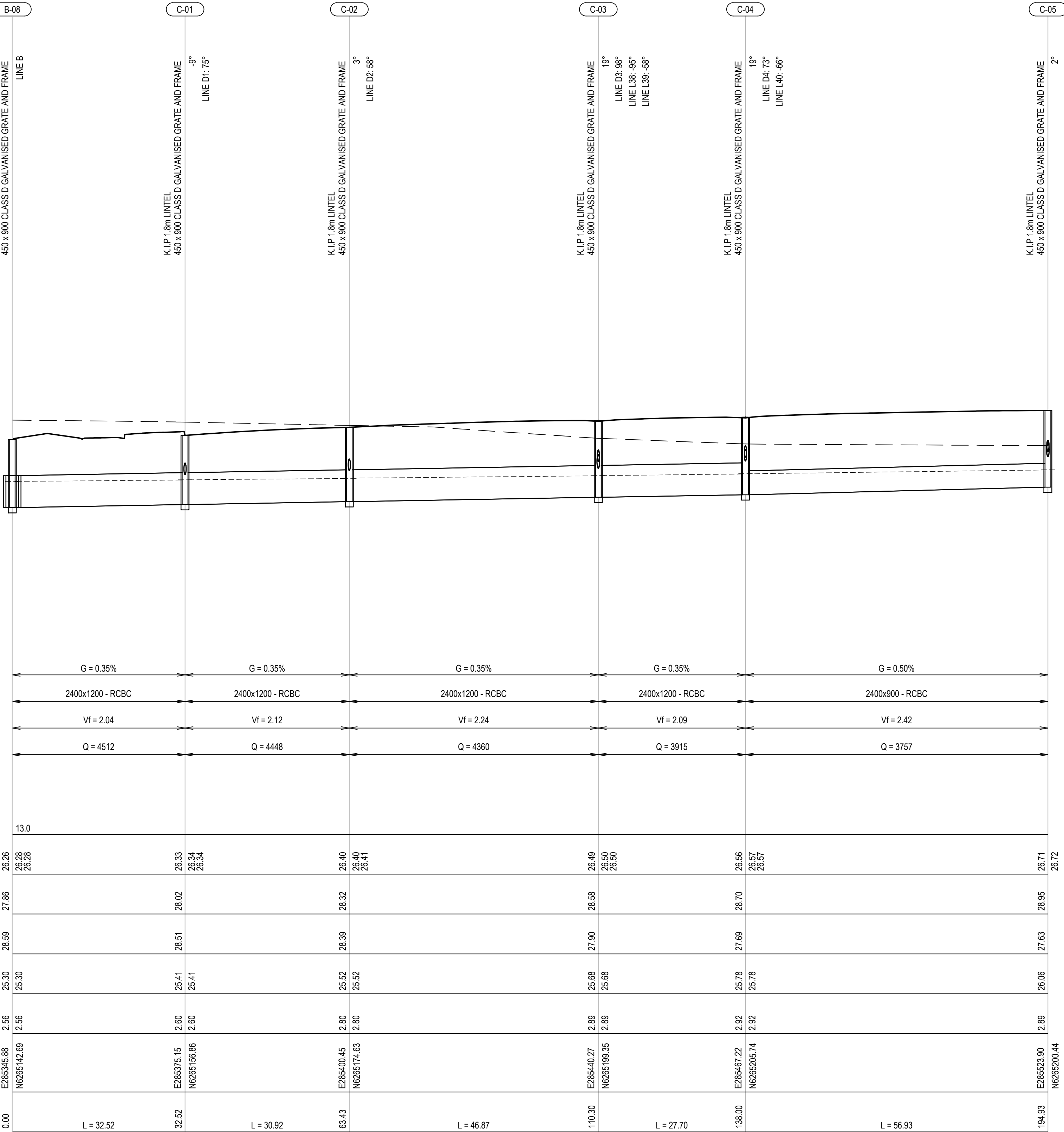
Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
200044-DA-C13.05

Revision
4



LINE B



LINE C

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
4	17/12/2020	ISSUED FOR DEVELOPMENT APPLICATION	MDH	ML	MKH	MKH
3	11/12/2020	ISSUED FOR CLIENT REVIEW	MDH	ML	MKH	MKH
2	2/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	MKH
1	28/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	MKH

Client



NEPEAN
BUSINESS
PARK

Scale

H: 0 10 20 30 40 50m

V: 0 2 4 6 8 10m

SCALE: H:1:500 V:1:100

@A1

North

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Project
NEPEAN BUSINESS PARK
PENRITH

Title
STORMWATER LONGITUDINAL SECTIONS
SHEET 06

Scale
AS SHOWN
Date
28/10/2020
Size
A1
Datum
AHD

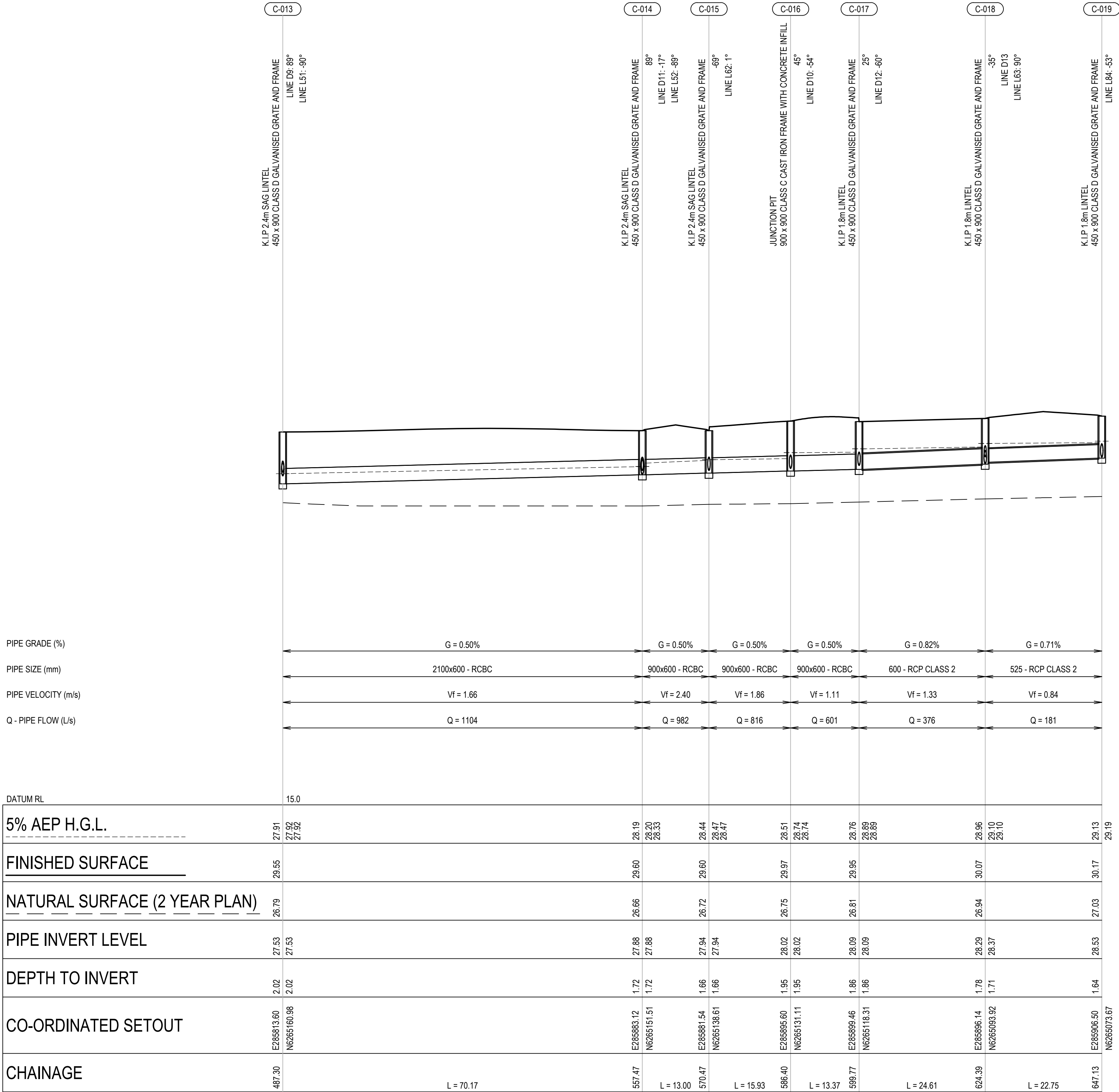
Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
200044-DA-C13.06

Revision
4



CAD File: P:\200044 NepeanBusinessPark\D-Civil\01-Subdivision\Drawings\6-DACC\3-DA COURT DRAWINGS\200044-DA-C13.01-C13.08 STORMWATER LONGITUDINAL SECTIONS.dwg



LINE C

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
4	17/12/2020	ISSUED FOR DEVELOPMENT APPLICATION	MDH	ML	MKH	MKH
3	11/12/2020	ISSUED FOR CLIENT REVIEW	MDH	ML	MKH	MKH
2	2/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	MKH
1	28/10/2020	ISSUED FOR INFORMATION	MDH	ML	MKH	MKH

Client



NEPEAN
BUSINESS
PARK

Scale

H: 01020304050m

V: 0246810m

SCALE: H:1:500 V:1:100

@A1

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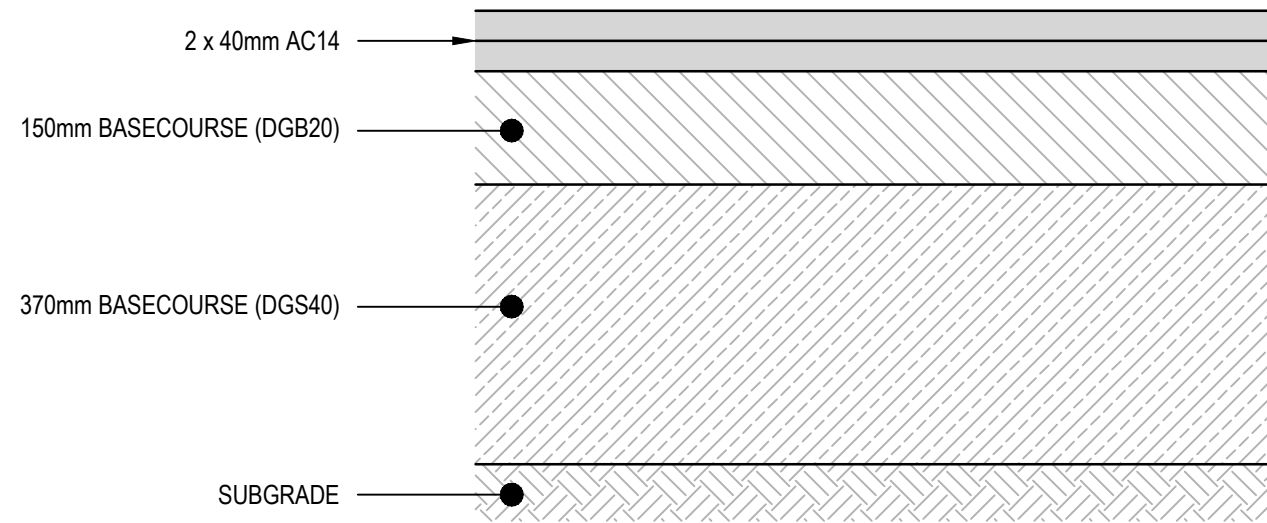
North



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Project NEPEAN BUSINESS PARK PENRITH	Scale AS SHOWN Date 28/10/2020	Status FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Title STORMWATER LONGITUDINAL SECTIONS SHEET 08	Size A1 Datum AHD	Project Number/Drawing Number 200044-DA-C13.08 Revision 4

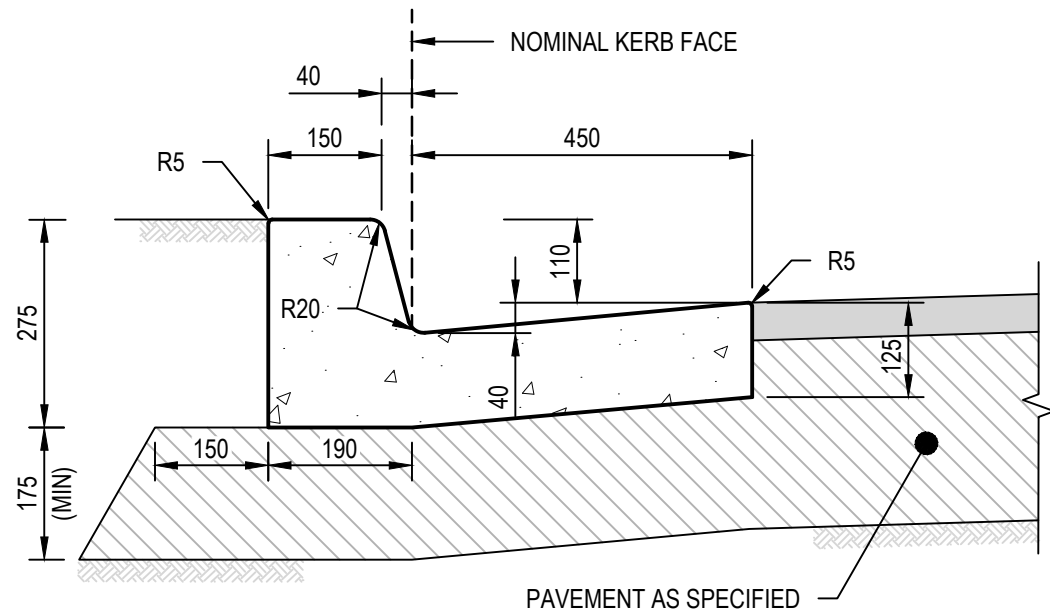


LOCAL ROAD

SCALE 1:10

NOTES:

1. MIN CBR 4.0% (CONTRACTOR TO CONFIRM ONSITE).
2. DESIGN LOADING = 5x10⁶ ESAs
3. PRIME AND TACK COAT BASECOURSE SURFACE PRIOR TO PLACEMENT OF AC WEARING COURSE.

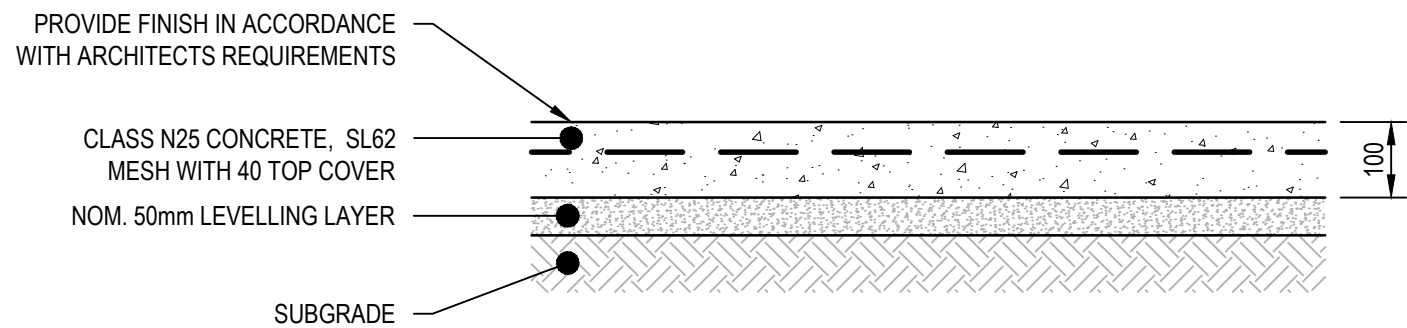


KERB AND GUTTER (K&G)

SCALE 1:10

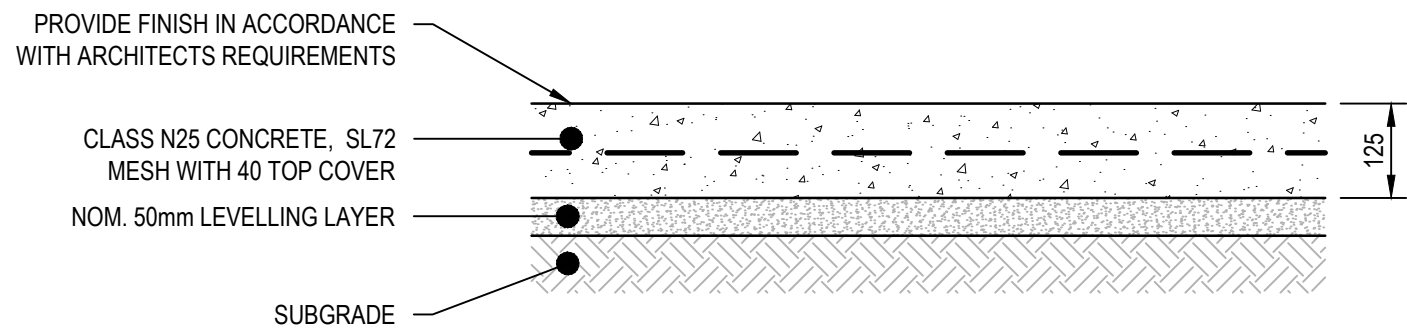
NOTE:

1. PROVIDE TOOL JOINTS AT MAX. 3.0m CTRS.



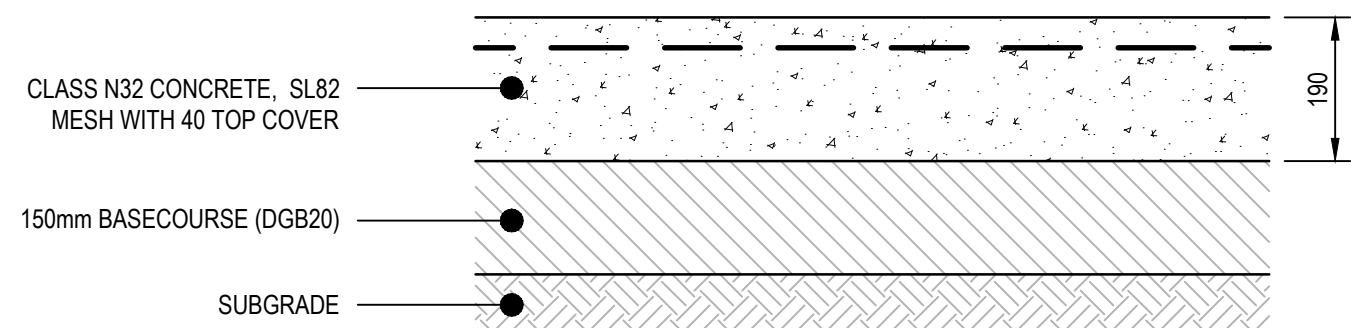
FOOTPATH

SCALE 1:10



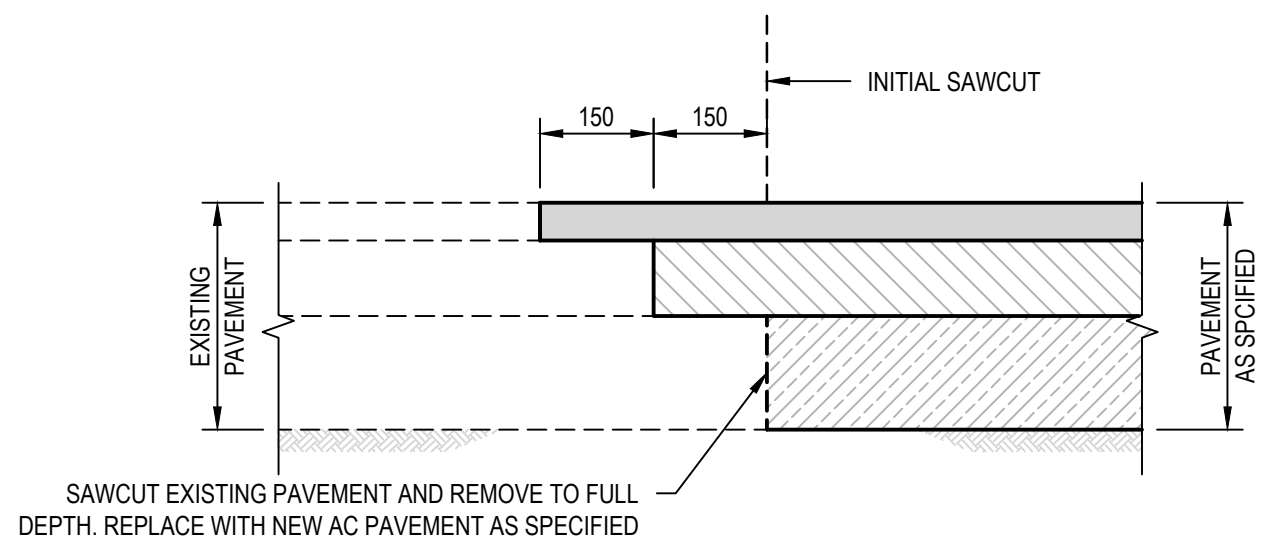
SHARED PATH

SCALE 1:10



GPT ACCESS PAD

SCALE 1:10



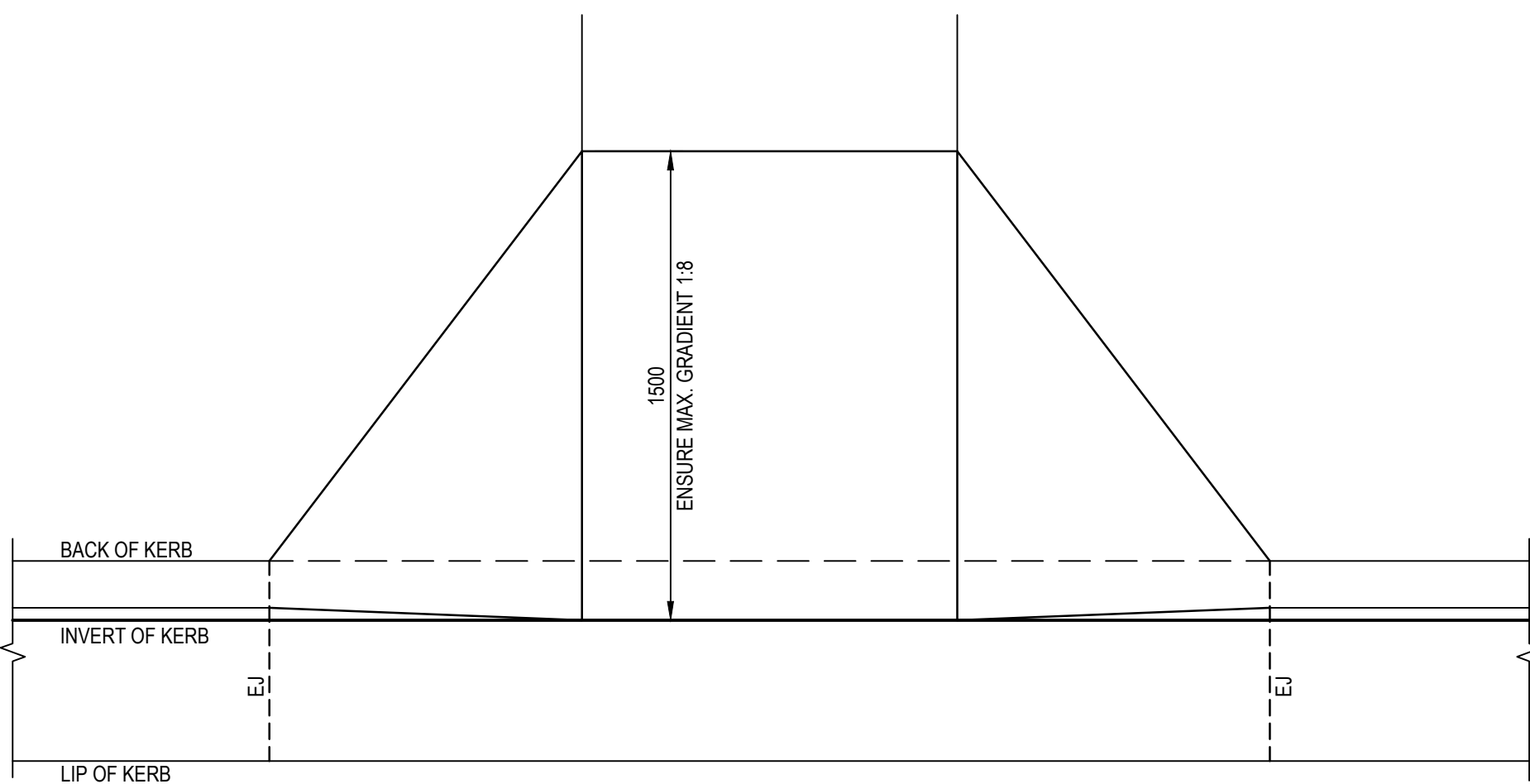
FLEXIBLE PAVEMENT INTERFACE DETAIL

NEW TO EXISTING

SCALE 1:10

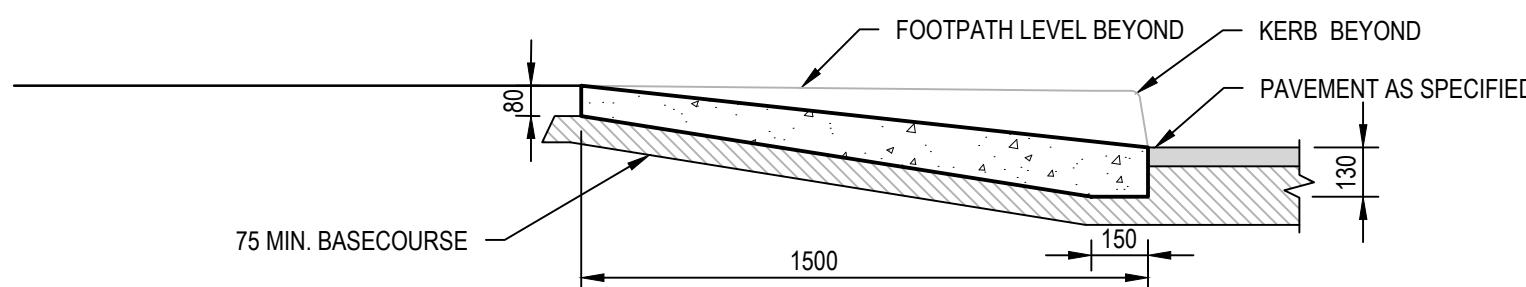
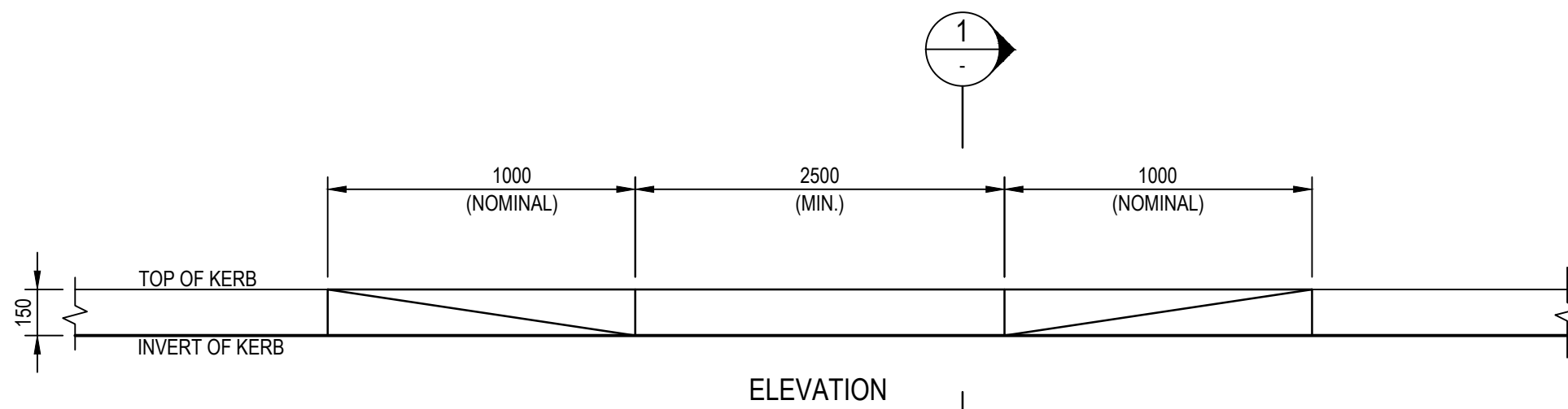
NOTE:

1. TACK COAT EXISTING PAVEMENT BASE AND AC INTERFACE PRIOR TO PLACEMENT OF NEW AC WEARING COURSE.



SHARED PATH RAMPED CROSSING

SCALE 1:20



SECTION

SCALE 1:20

NOTE:

1. REFER COUNCIL SPECIFICATIONS.

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
3	21/12/2020	ISSUED FOR DEVELOPMENT APPLICATION	MDH	ML	MKH	MKH
2	17/12/2020	ISSUED FOR DEVELOPMENT APPLICATION	MDH	ML	MKH	MKH
1	11/12/2020	ISSUED FOR CLIENT REVIEW	MDH	ML	MKH	MKH

Client	
NEPEAN BUSINESS PARK	

Scale	0 200 400 600 800 1000mm	North
SCALE 1:10	@A1	
0 500 1000 1500 2000mm	@A1	
SCALE 1:20		
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Project	NEPEAN BUSINESS PARK PENRITH
Scale	AS SHOWN
Date	11/12/2020
Size	A1
Datum	AHD

Status	FOR INFORMATION ONLY NOT TO BE USED FOR CONSTRUCTION
Project Number/Drawing Number	200044-DA-C14.01
Revision	3

BRICKWORK AND BLOCKWORK

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3700.
2. STRENGTHS OF MASONRY UNITS AND TYPE OF MORTAR SHALL BE AS FOLLOWS:

ELEMENT	MATERIAL	CHARACTERISTIC UNCONFINED COMPRESSIVE STRENGTH (F _c)	MORTAR (CEMENT: LIME SAND) (F _c)
BRICKS	CLAY	20 MPa	1:1:6
BLOCKS	CONC	15 MPa	1:0.25:3
CORE FILLED BLOCKS	CONC	12 MPa	1:0.25:3
SOLID	CONC	12 MPa	1:0.25:3

MORTAR ADMIXTURES SHALL NOT BE USED WITHOUT THE WRITTEN APPROVAL OF THE SUPERINTENDENT.

3. ONLY LOAD BEARING MASONRY WALLS ARE SHOWN UNDER CONCRETE SLABS.

4. OTHER THAN REINFORCED CONCRETE BLOCKWORK, MASONRY SUPPORTING SLABS AND BEAMS SHALL BE TROWELLED SMOOTH WITH MORTAR FILLING ALL VOIDS. TWO LAYERS OF MALTHOID SHALL BE PLACED FULL WIDTH ACROSS SUCH LOAD BEARING SURFACES EXCEPT WHERE PROPRIETARY BEARING STRIP IS NOTED OR ALTERNATIVE DETAIL IS DOCUMENTED. THE HEADS OF LOAD BEARING WALLS SHALL NOT EXTEND ABOVE THE SOFFIT OF THE CONCRETE SLAB ABOVE.

5. ALL DOUBLE SKIN SOLID WALLS SUCH AS 230mm THICK BRICKWORK SHALL BE BONDED BY A HEADER COURSE EVERY 4th COURSE.

6. ALL MASONRY SUPPORTING OR SUPPORTED BY CONCRETE FLOORS SHALL BE PROVIDED WITH VERTICAL JOINTS TO MATCH ANY CONTROL JOINTS IN THE CONCRETE.

7. NON LOAD BEARING WALLS BUILT PRIOR TO POURING CONCRETE SHALL BE SEPARATED FROM CONCRETE ABOVE BY 16 mm THICK CLOSED CELL POLYSTYRENE STRIP. WHERE BUILT AFTER CONCRETE IS POURED LEAVE 12 mm CLEAR OF CONCRETE SOFFIT.

8. NO CHASES OR RECESSES ARE PERMITTED IN LOAD BEARING MASONRY WITHOUT THE APPROVAL OF THE ENGINEER.

9. PROVIDE VERTICAL CONTROL JOINTS AT 10 m MAX. CENTRES GENERALLY, AND 5 m MAX. FROM CORNERS FOR BRICKWORK AND UNREINFORCED BLOCKWORK.

10. REFER TO CONCRETE NOTES FOR DE-PROPPING PRIOR TO CONSTRUCTION OF MASONRY WALLS ON SUSPENDED SLABS.

11. ALL CAVITY CONSTRUCTION SHALL INCLUDE STAINLESS STEEL TIES INSTALLED IN ACCORDANCE WITH CLAUSE 3.8 AS 3700.

12. REINFORCED CONCRETE BLOCKWORK SHALL COMPLY WITH THE FOLLOWING, UNLESS NOTED

* BLOCKS SHALL BE STRENGTH GRADE 15 CONFORMING TO AS 2733.

* MORTAR SHALL COMPRISE 1 CEMENT:0.25 LIME:3 SAND.

* PROVIDE CLEANOUT HOLES 100 mm SQUARE MINIMUM AT BASE OF ALL WALLS AND ROD CORE HOLES TO REMOVE PROTRUDING MORTAR. FINISH PRIOR TO GROUTING.

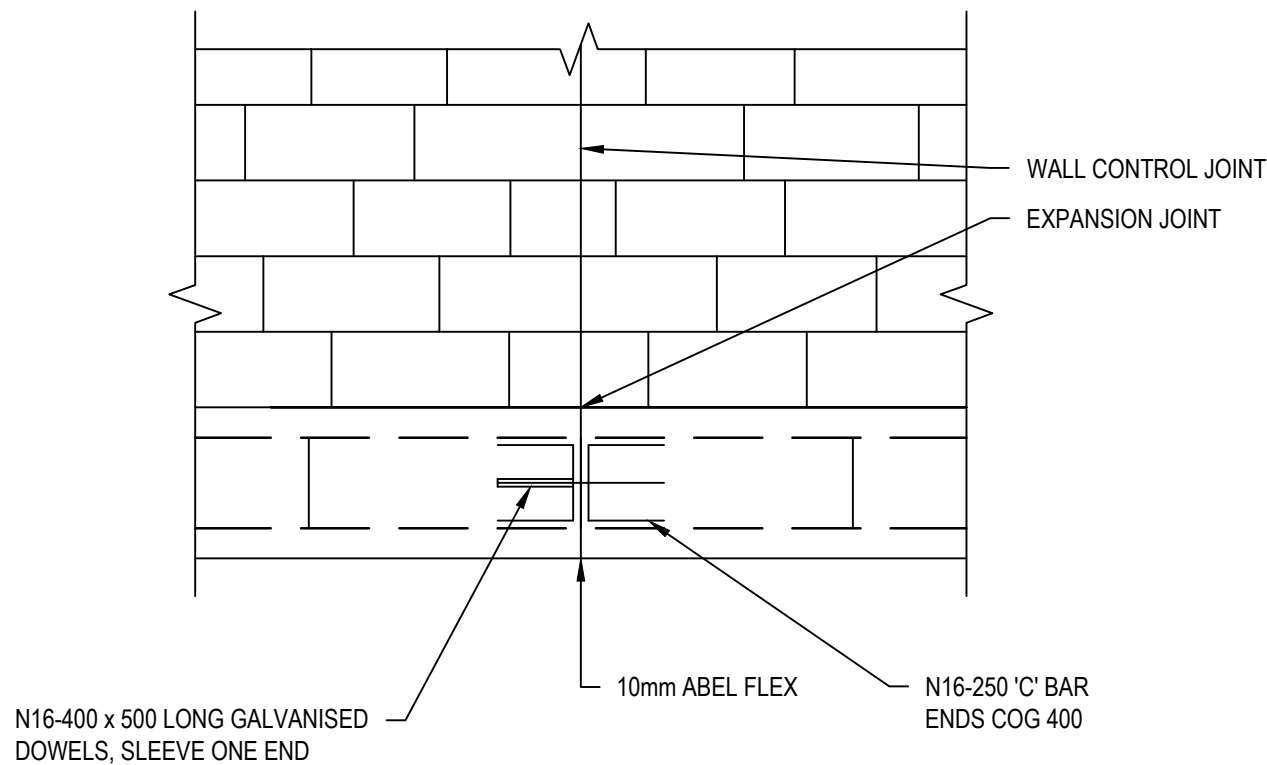
* CORE FILLING GROUT SHALL BE :F_c = 20 MPa MINIMUM CEMENT CONTENT = 300 kg/m, SLUMP = 230 ± 30 mm.

* REINFORCEMENT PROJECTING FROM FOUNDATION OR SLABS INTO CORES, SHALL BE SET ACCURATELY IN PLACE USING TEMPLATES TO ALIGN WITH THE CENTRE OF THE LENGTH OF CORES AND WITH COVER AS NOTED. WHERE HORIZONTAL BARS ARE INDICATED, THE WEBS OF THE BLOCKS BELOW THE BARS SHALL BE CUT DOWN TO ACCOMMODATE THE BARS.

* GROUT ALL CORES IN REINFORCED BLOCKWORK UNLESS OTHERWISE NOTED. HEIGHT OF BLOCKWORK TO BE GROUTED ON ONE DAY SHALL BE 2400mm. GROUT SHALL BE PLACED IN LIFTS OF 1200mm MAXIMUM AND COMPACTED BY POKER VIBRATOR. A SHORT TIME SHOULD ELAPSE BETWEEN SUCCESSIVE LIFTS TO ALLOW PLASTIC SETTLEMENT TO OCCUR.

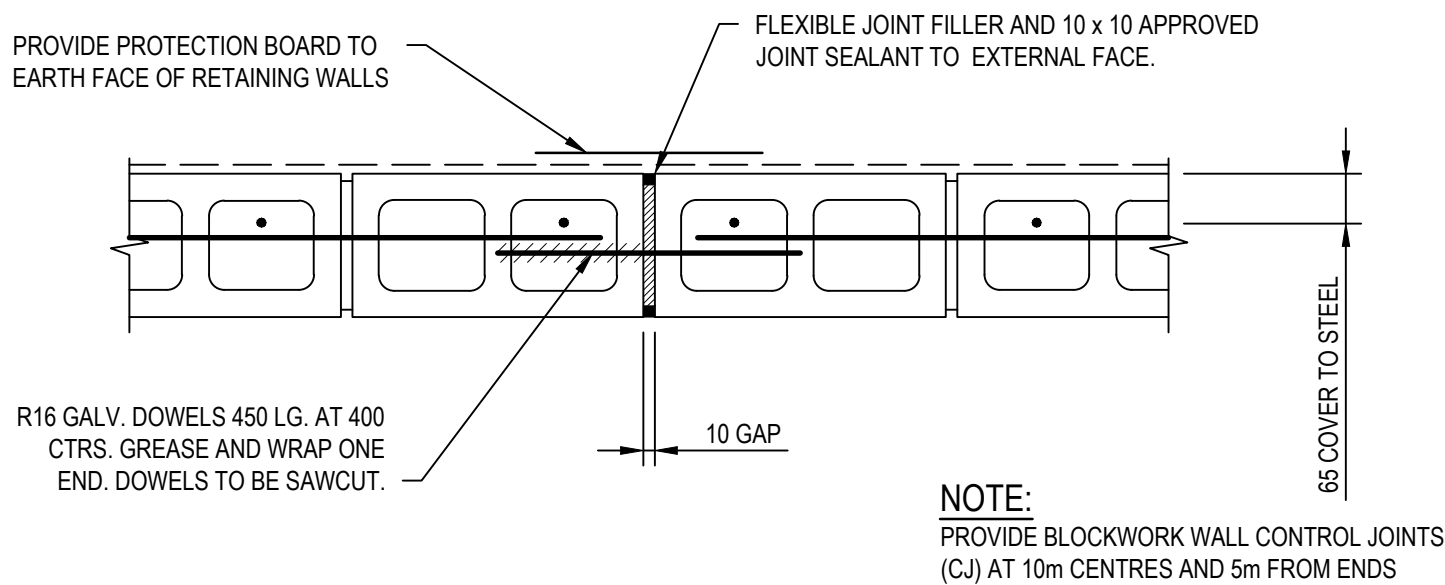
* PROVIDE 50 mm COVER FROM THE OUTSIDE OF THE BLOCKWORK UNLESS NOTED.

13. BACKFILL TO RETAINING WALLS SHALL BE FREE DRAINING GRANULAR MATERIAL. PROVIDE SUBSOIL DRAIN AT BASE OF WALL. DO NOT BACKFILL UNTIL 14 DAYS AFTER GROUTING, OR IF APPLICABLE, AFTER RESTRAINING SLAB OVER HAS BEEN POURED AND CURED FOR 7 DAYS. BACKFILL SHALL BE COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT ± 2 %.



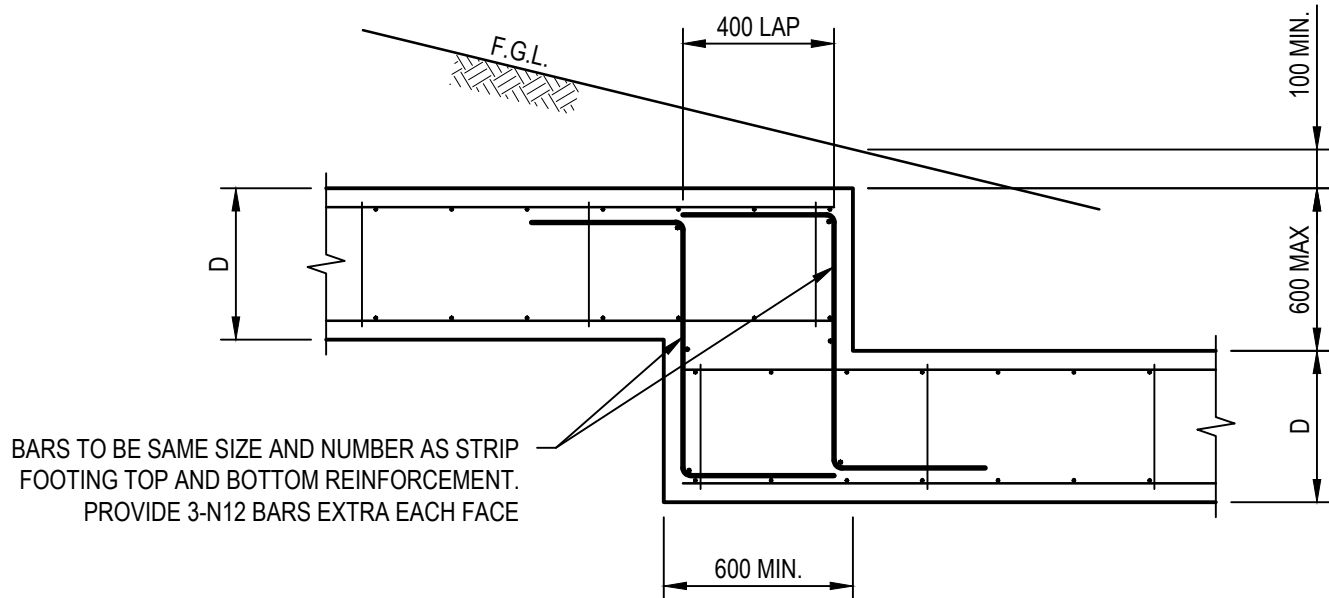
TYPICAL JOINT FOR FOOTING
ELEVATION ON BLOCK WALL

SCALE 1:10



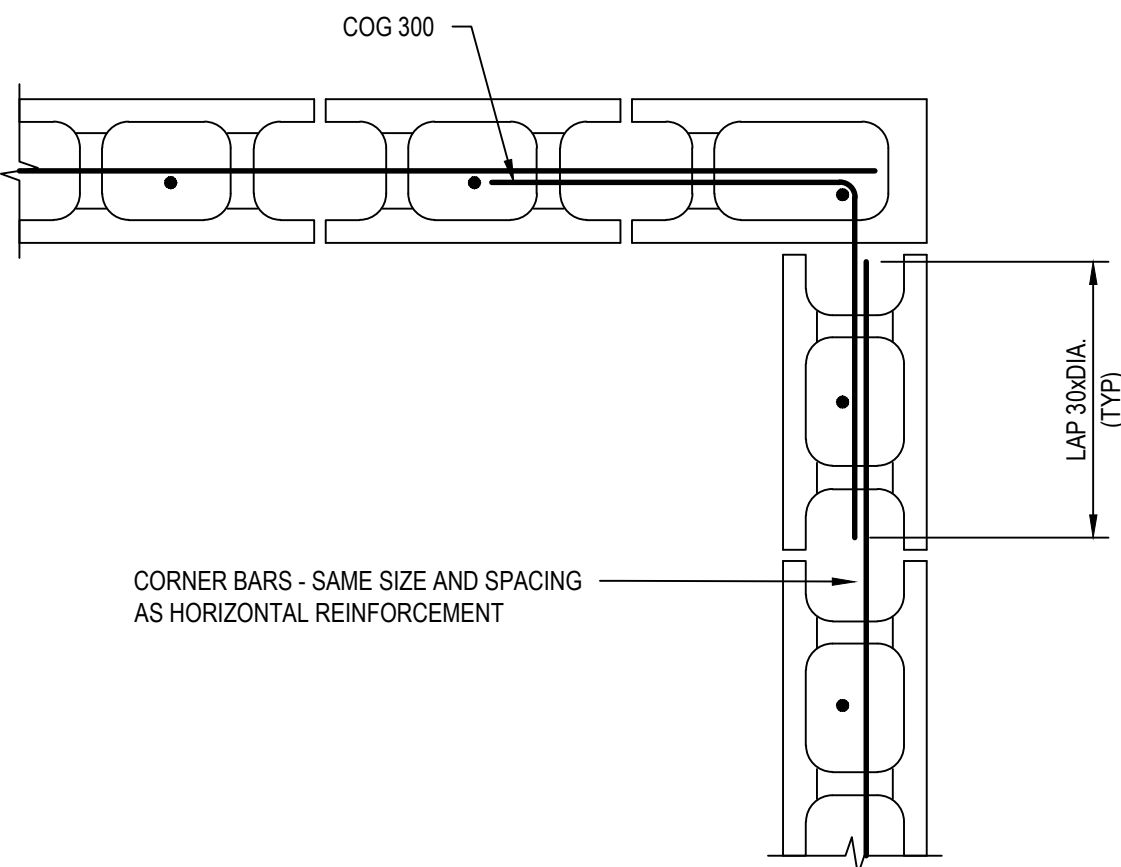
BLOCKWORK WALL CONTROL JOINT (C.J.)

SCALE 1:10



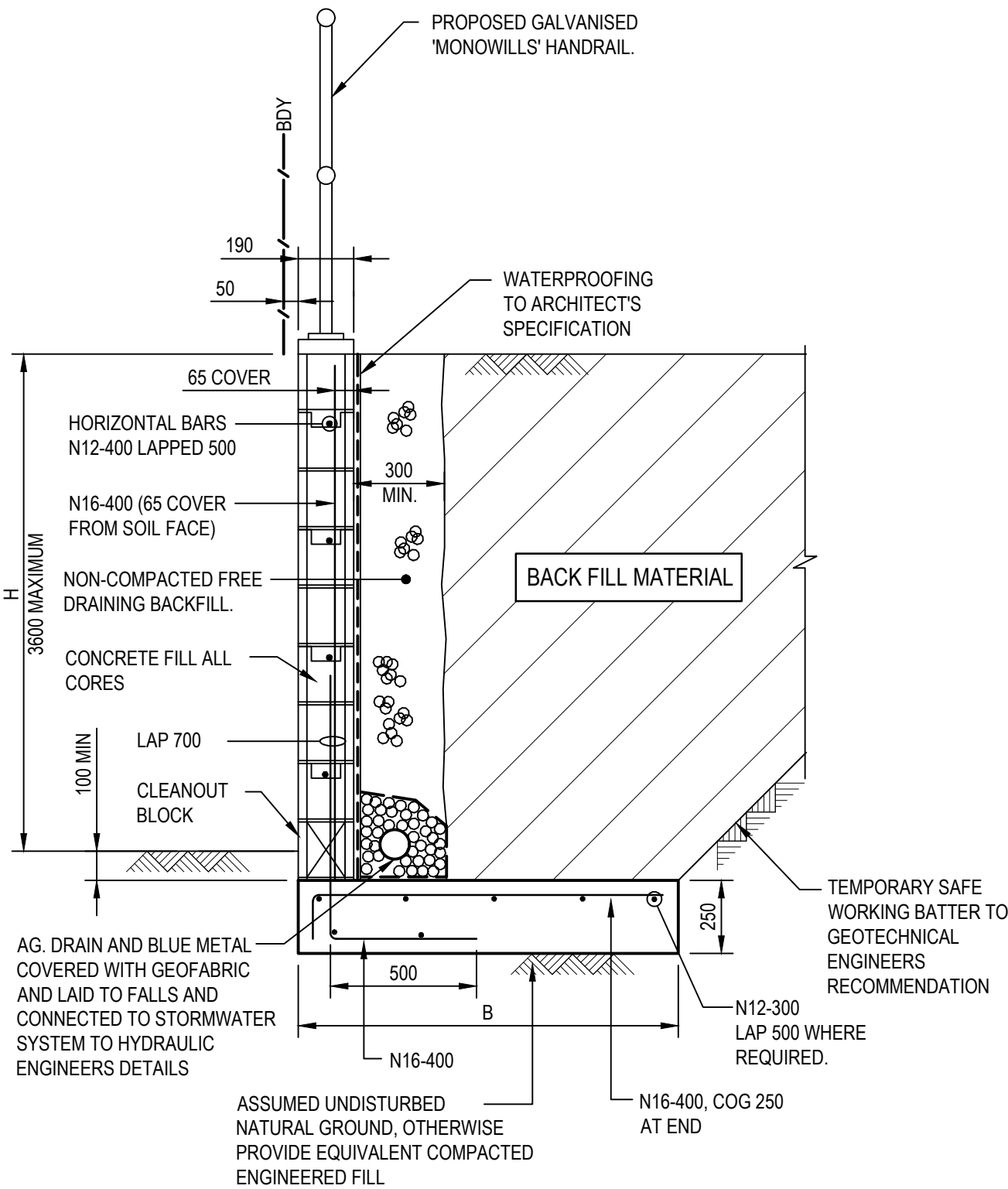
TYPICAL STRIP FOOTING STEP DETAIL

SCALE 1:20



BLOCKWORK WALL CORNER DETAIL

SCALE 1:10



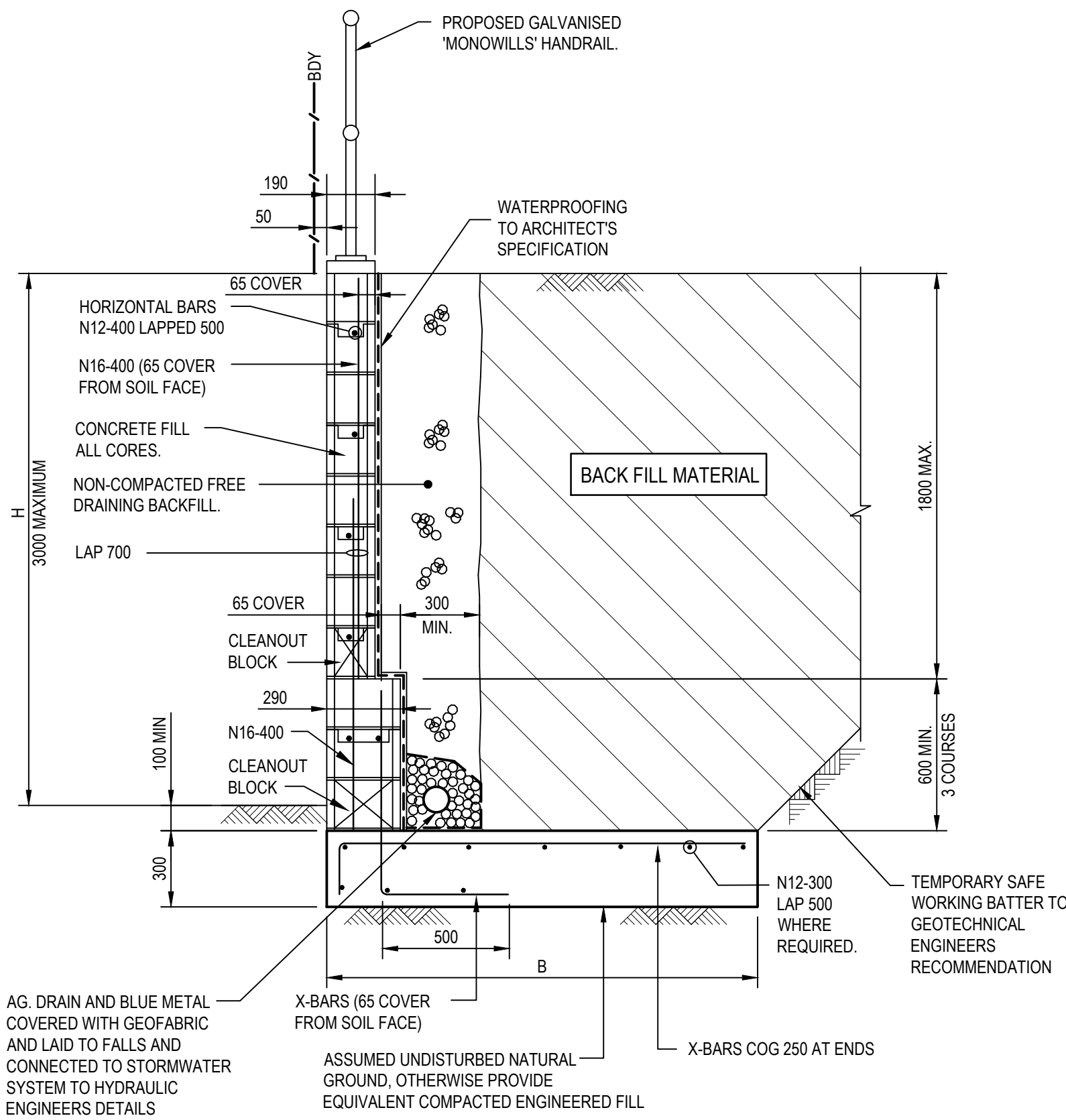
RETAINING WALL SCHEDULE		
STRUCTURE CLASSIFICATION B		
ASSUMED BACKFILL MATERIAL Ø=25° SOFT & FIRM CLAY OF MEDIUM TO HIGH PLASTICITY, SILTY CLAYS, LOOSE VARIABLE CLAY FILL, LOOSE SANDY SILTS		
H	B	
800	1200	
1000	1400	
1200	1600	
1400	1800	
1600	1900	
1800	2100	

NOTE:

- THIS WALL HAS BEEN DESIGNED FOR A LIVE LOAD SURFACE SURCHARGE OF 5kPa (STRUCTURE CLASSIFICATION B)
- POSITION WALL STARTER BARS ACCURATELY BY TEMPLATES OR SIMILAR MEANS.
- FOUNDATION. MIN. ALLOWABLE BEARING PRESSURE OF 100 kPa
- PLACE NO BACKFILL AGAINST REINFORCED CONCRETE BLOCK RETAINING WALLS UNTIL 14 DAYS AFTER FILLING ALL CORES WITH CONCRETE BLOCK MIX
- CONCRETE CORE FILL TO BE POURED AND PLACED WITH A PENCIL VIBRATOR TO ENSURE FULL AND DENSE FILLING OF ALL CORES.
- CONSTRUCT RETAINING WALLS USING "DOUBLE U-BLOCKS"
- IN EARTHQUAKE PRONE AREAS (eg. ADELAIDE, GEELONG, GOULBURN, LATROBE, NEWCASTLE) AND/OR SITES WITH A SOIL PROFILE CONSISTING OF >6m OF SOFT CLAYS, LOOSE SANDS, SILTS OR UNCONTROLLED FILLS, THE ABOVE TABLES DO NOT APPLY, CONSULT STRUCTURAL ENGINEER FOR RETAINING WALL DETAIL.

RETAINING WALL - TYPE 1

SCALE 1:20



RETAINING WALL SCHEDULE		
STRUCTURE CLASSIFICATION B		
ASSUMED BACKFILL MATERIAL Ø=25° SOFT & FIRM CLAY OF MEDIUM TO HIGH PLASTICITY, SILTY CLAYS, LOOSE VARIABLE CLAY FILL, LOOSE SANDY SILTS		
H	B	X-BARS
2000	2200	N16-400
2200	2400	N16-400
2400	2500	N20-400
2600	2700	N20-400
2800	2900	N16-200
3000	3000	N16-200
3600	3600	N16-200

NOTE:

- THIS WALL HAS BEEN DESIGNED FOR A LIVE LOAD SURFACE SURCHARGE OF 5kPa (STRUCTURE CLASSIFICATION B)
- POSITION WALL STARTER BARS ACCURATELY BY TEMPLATES OR SIMILAR MEANS.
- FOUNDATION. MIN. ALLOWABLE BEARING PRESSURE OF 100 kPa
- PLACE NO BACKFILL AGAINST REINFORCED CONCRETE BLOCK RETAINING WALLS UNTIL 14 DAYS AFTER FILLING ALL CORES WITH CONCRETE BLOCK MIX
- CONCRETE CORE FILL TO BE POURED AND PLACED WITH A PENCIL VIBRATOR TO ENSURE FULL AND DENSE FILLING OF ALL CORES.
- WHERE HEIGHT OF WALL EXCEEDS 2.4m, COREFILL WALL IN TWO STAGES, WITH FIRST LIFT TO 1.8m, THEN WAIT MIN. 3 HOURS BEFORE COREFILLING FROM 1.8m TO 3.0m MAX
- CONSTRUCT RETAINING WALLS USING "DOUBLE U-BLOCKS"
- IN EARTHQUAKE PRONE AREAS (eg. ADELAIDE, GEELONG, GOULBURN, LATROBE, NEWCASTLE) AND/OR SITES WITH A SOIL PROFILE CONSISTING OF >6m OF SOFT CLAYS, LOOSE SANDS, SILTS OR UNCONTROLLED FILLS, THE ABOVE TABLES DO NOT APPLY, CONSULT STRUCTURAL ENGINEER FOR RETAINING WALL DETAIL.

RETAINING WALL - TYPE 2

SCALE 1:20

REV.	DATE	DESCRIPTION	DRN.	DES.	VERIF.	APPD.
2	17/12/2020	ISSUED FOR DEVELOPMENT APPLICATION	MDH	ML	MKH	MKH
1	11/12/2020	ISSUED FOR CLIENT REVIEW	MDH	ML	MKH	MKH

Client

NEPEAN BUSINESS PARK

Scale 0 200 400 600 800 1000mm

SCALE 1:10 @A1

0 500 1000 1500 2000mm

SCALE 1:20 @A1

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Ensfire Solutions Pty Ltd
205/275 Alfred Street N, North Sydney NSW 2060
ABN: 71 624 801 690
Phone: 02 9922 6135

Project
NEPEAN BUSINESS PARK
PENRITH

Title
SITEWORKS DETAILS
SHEET 02

Scale
AS SHOWN
Date
11/12/2020

Status
FOR INFORMATION ONLY
NOT TO BE USED FOR CONSTRUCTION

Project Number/Drawing Number
200044-DA-C14.02

Revision
2