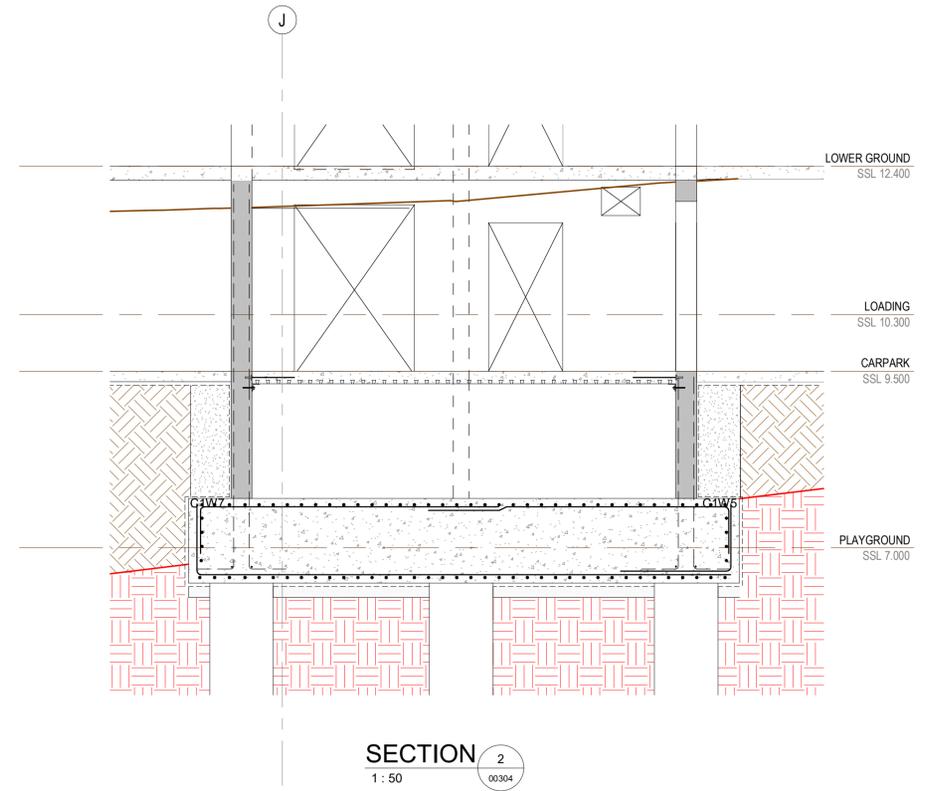
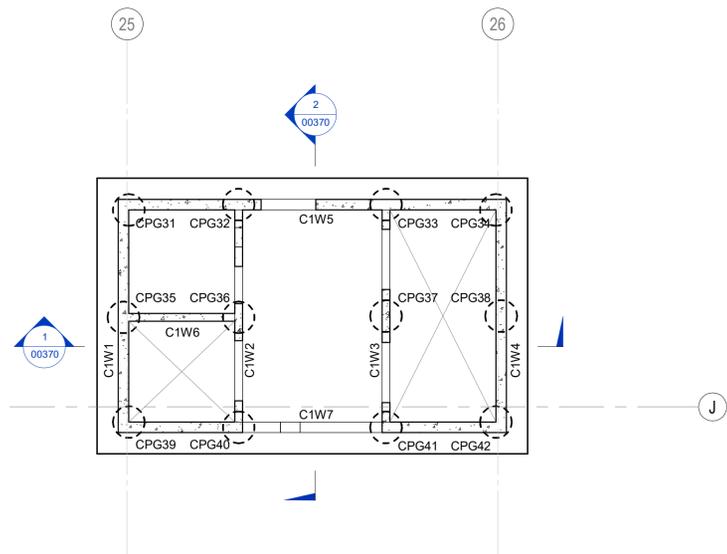


SECTION 1
1 : 50



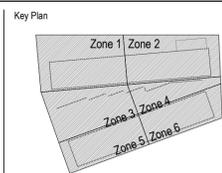
SECTION 2
1 : 50



CORE 1 BASE PLAN
SCALE: 1 : 100

REFER TO DRAWINGS ST-00101 & ST-00102 FOR GENERAL NOTES

Recent revision history	Description	Date	Notes
1	Issued For Information	22.05.20	
2	Issued For Information	23.05.20	
3	Issued For Information 50% Design Development	05.06.20	
4	50% DD Updates	19.06.20	
5	75% Documentation Issue For Crown Certificate	08.07.20	
6		23.07.20	



Contractor



Project
MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT

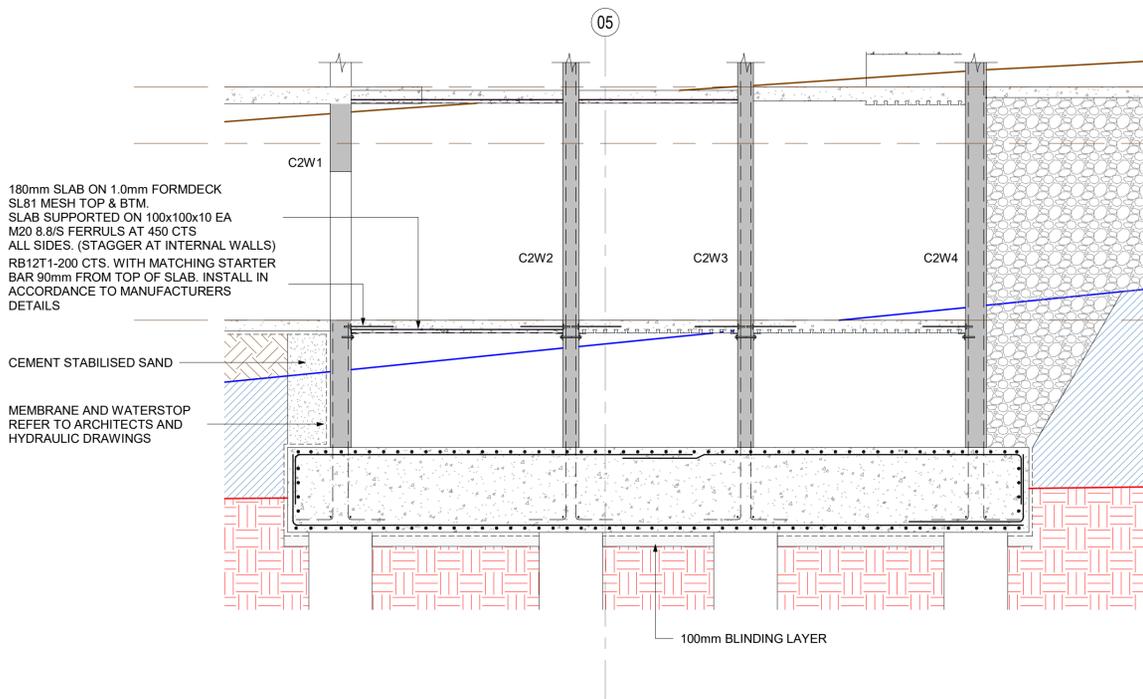


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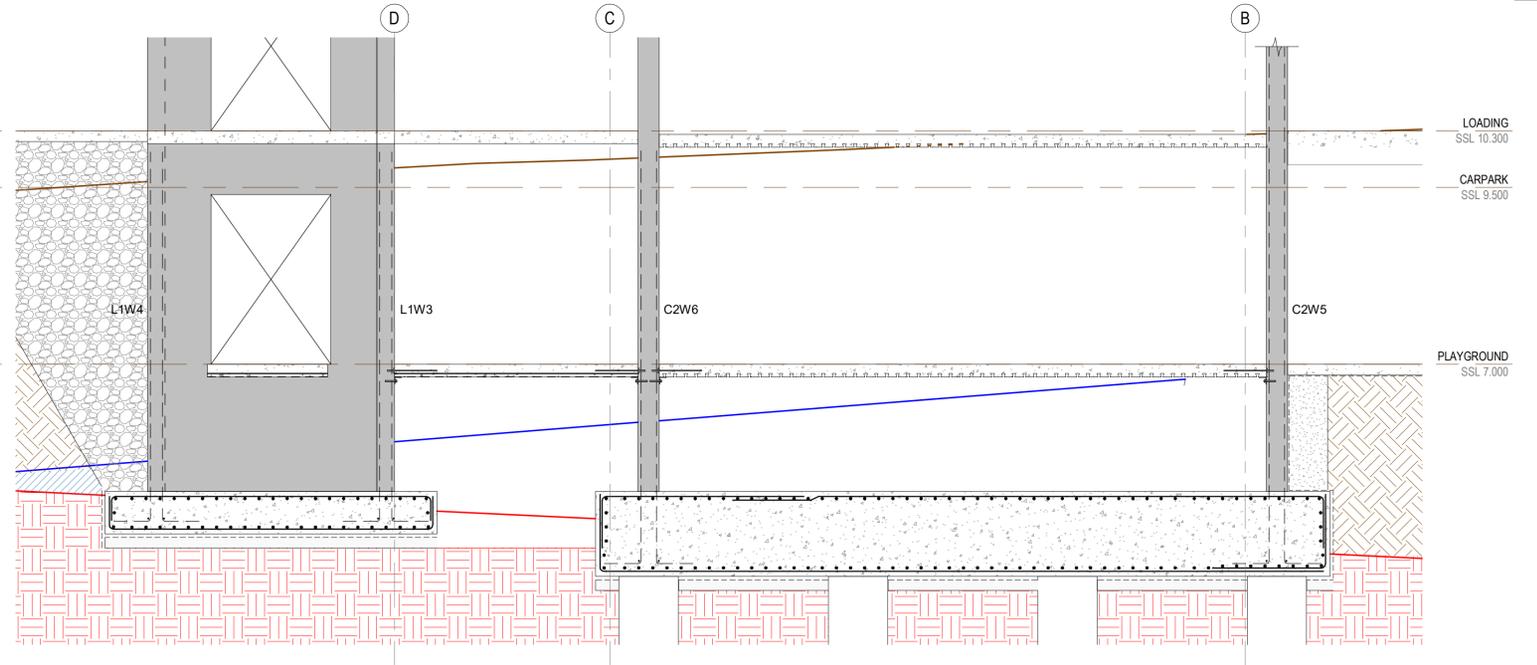
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Checked NLK	Approved MOS	Sheet size A1
		Scale As indicated

Sheet title
CORE 1 FOUNDATION REINFORCEMENT SECTIONS

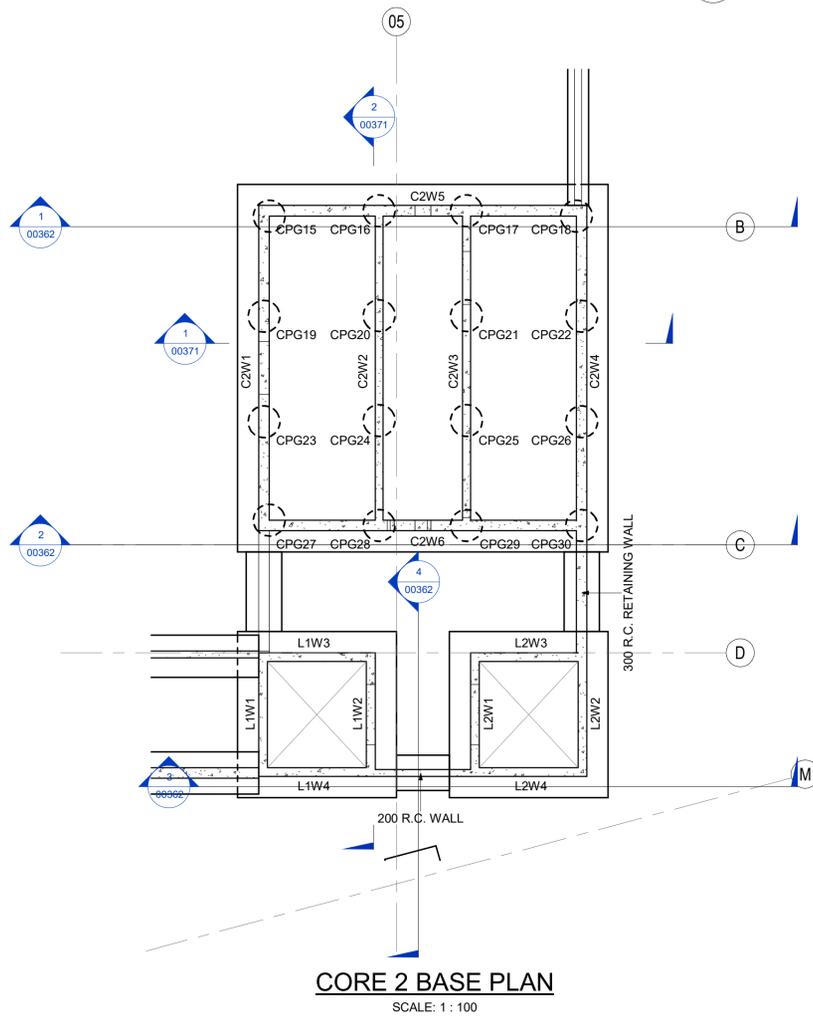
Sheet number	Revision
MSP-EN-ST-00370	6
Status	FOR CROWN CERTIFICATE



SECTION 1
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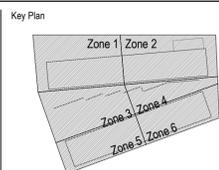
SECTION 2
1 : 50



CORE 2 BASE PLAN
SCALE: 1 : 100

REFER TO DRAWINGS ST-00101 & ST-00102 FOR GENERAL NOTES

Recent revision history	Description	Date	Notes
1	Issued for Information	22.05.20	
2	Issued for Information	23.05.20	
3	Issued For Information 50% Design Development	05.06.20	
4	50% DD Updates	19.06.20	
5	75% Documentation Issue	08.07.20	
6	For Crown Certificate	23.07.20	



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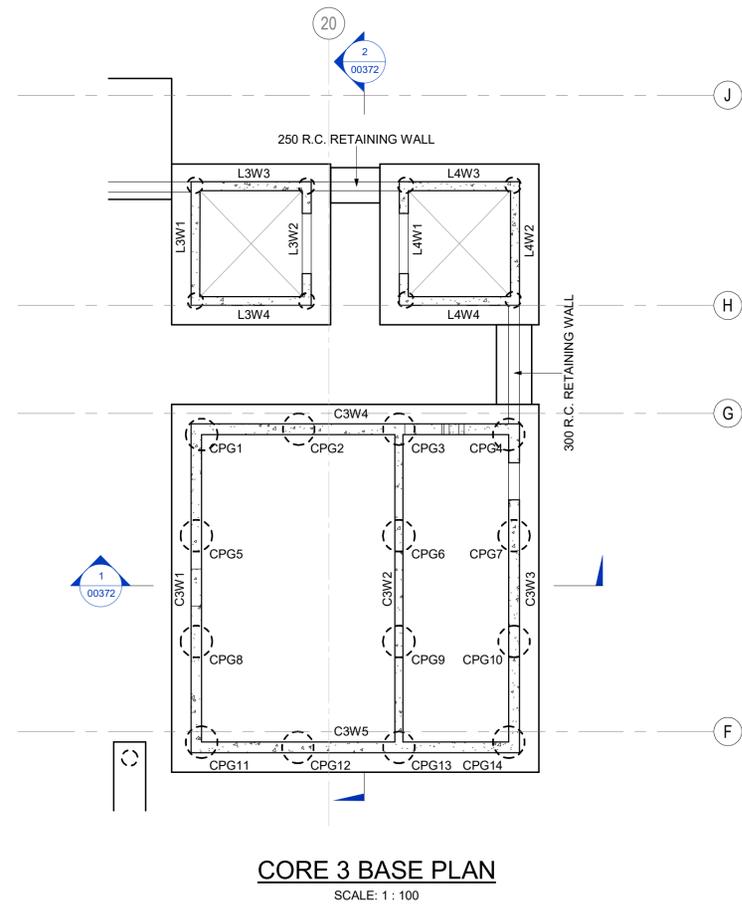
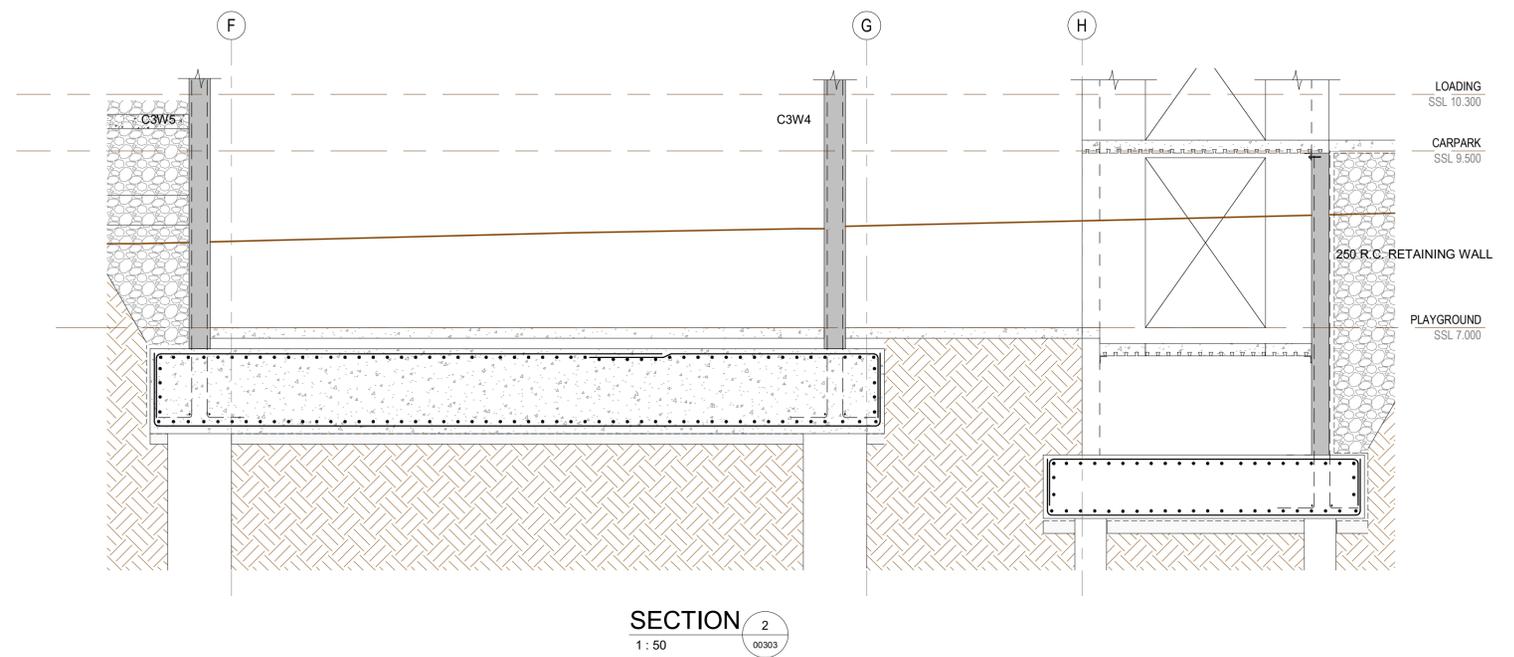
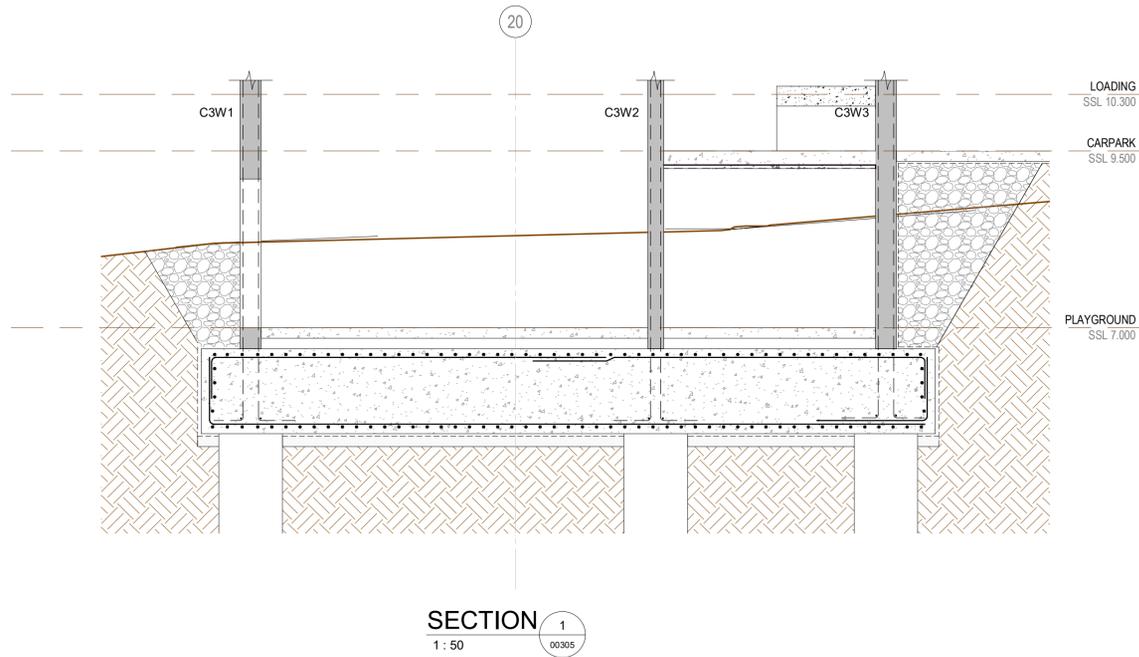
Project
MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT



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Checked NLK
Approved MOS
Sheet size A1
Scale As indicated

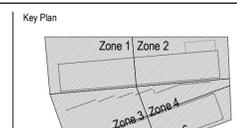
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CORE 2 FOUNDATION REINFORCEMENT SECTIONS
Sheet number
MSP-EN-ST-00371
Revision
6
Status
FOR CROWN CERTIFICATE



REFER TO DRAWINGS ST-00101 & ST-00102 FOR GENERAL NOTES

#	Description	Date
1	Issued for Information	22.05.20
2	Issued for Information	29.05.20
3	Issued For Information 50% Design Development	05.06.20
4	50% DD Updates	19.06.20
5	75% Documentation Issue	08.07.20
6	For Crown Certificate	23.07.20

Notes



Contractor



Project
MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT



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Project number
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Size check
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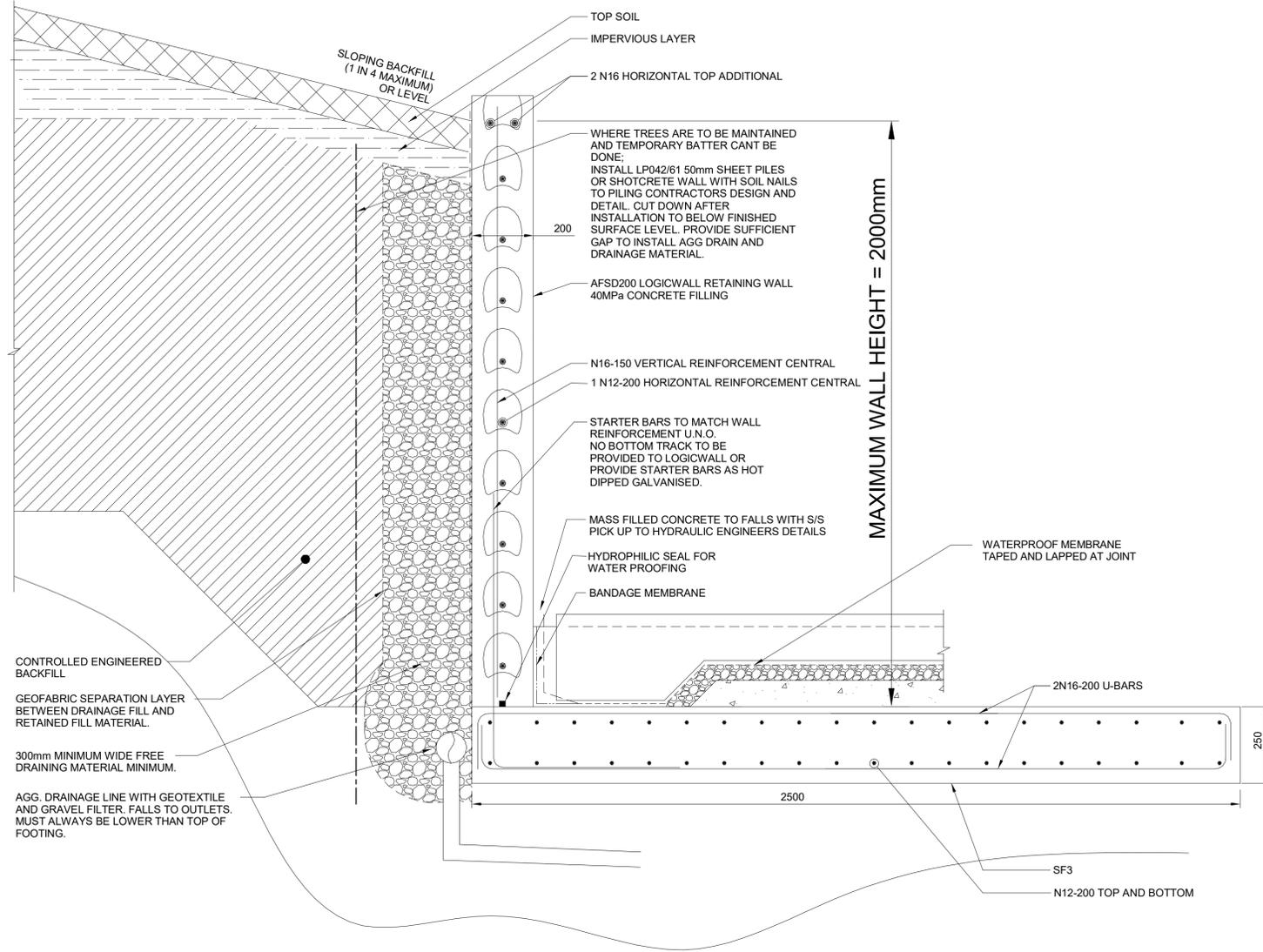
Checked NLK
Approved MOS
Sheet size A1
Scale As indicated

Sheet title
CORE 3 FOUNDATION REINFORCEMENT SECTIONS

Sheet number
MSP-EN-ST-00372

Revision
6

Status
FOR CROWN CERTIFICATE



ARW1
AFS200 LOGIC WALL RETAINING WALL DETAIL
 SCALE 1:10

- NOTE:**
- BUILDER TO MAINTAIN STABILITY OF WALL DURING BACK FILLING.
 - STRIP FOOTING TO BE FOUNDED ON ROCK WITH A BEARING CAPACITY OF 2000kPa TO BE CONFIRMED ON SITE BY A GEOTECHNICAL ENGINEER.
 - CONCRETE $f_c = 40$ MPa
 - COVER TO BOTTOM AND SIDES = 50mm

GENERAL NOTES :

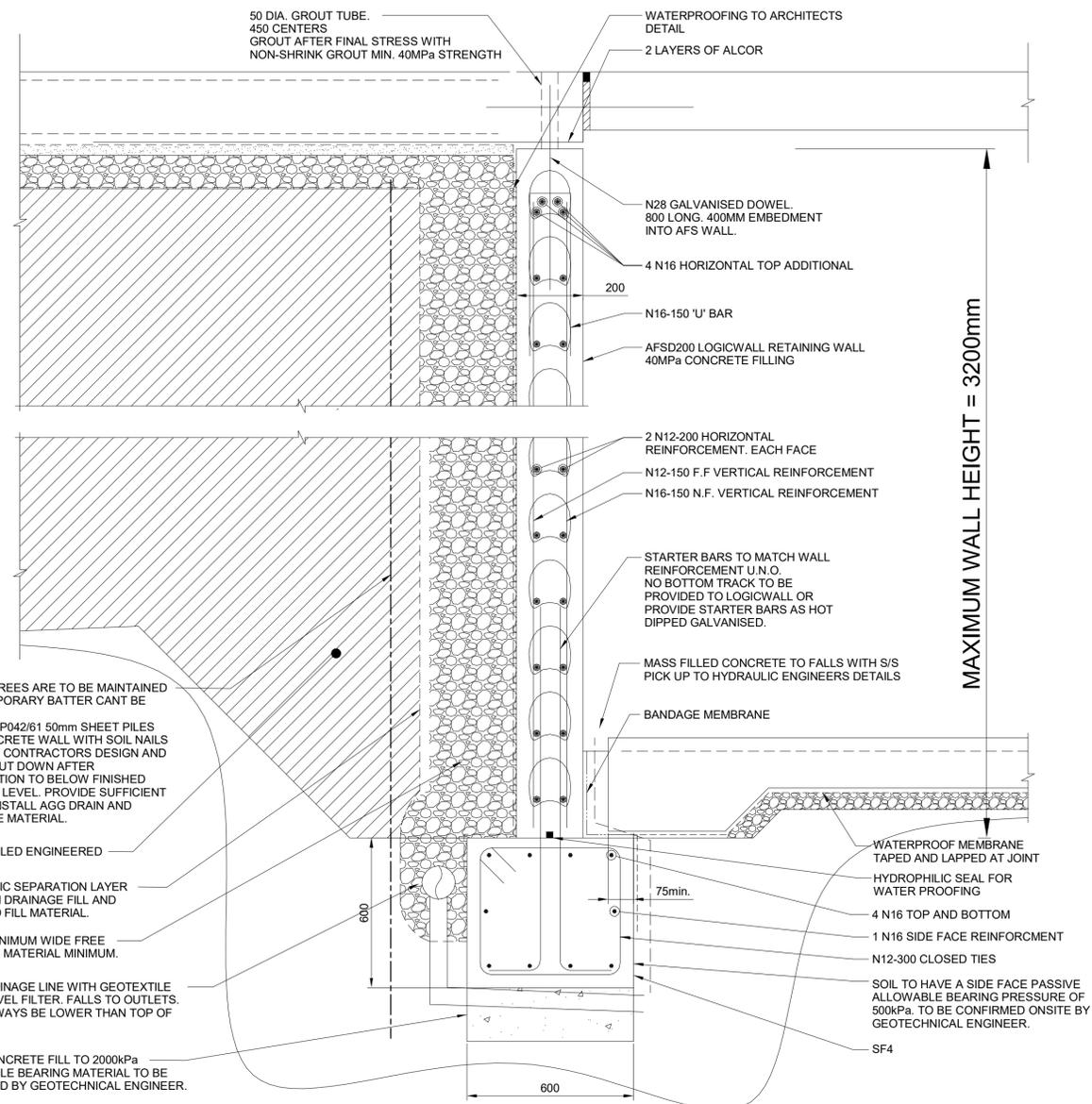
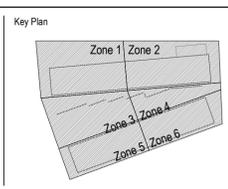
- RETAINED HEIGHTS TO BE CONFIRMED BY LANDSCAPE / CIVIL CONSULTANT
- BUILDER TO ADVISE IF RETAINED HEIGHTS ARE LARGER THAN DOCUMENTED
- WALLS ARE NOT DESIGNED TO WITHSTAND HYDROSTATIC PRESSURE
- ALL CONCRETE TO BE $f_c=40$ MPa U.N.O.
- TESTING OF BACKFILL AS FOLLOWS: ONE FIELD TEST PER 400 SQ/M (OR PART THEREOF) EVERY FOURTH LAYER TO AS1289, TEST E2.1 BY A NATA REGISTERED LABORATORY
- RETAINING WALLS NOT BE BACKFILLED UNTIL A MINIMUM OF 14 DAYS AFTER POURING CONCRETE FOR WALLS AND SLABS PROVIDING LATERAL SUPPORT.
- ALL CONTROLLED BACKFILL BEHIND RETAINING WALLS TO BE COMPACTED USING METHODS THAT DO NOT PLACE EXCESSIVE LOADS ON RETAINING WALLS. THE CONTRACTOR SHALL USE LIGHT COMPACTION EQUIPMENT, WHACKER PACKERS OR EQUIVALENT.
- PROVIDE 100mm DIA AGRICULTURAL DRAINS BEHIND ALL RETAINING WALLS AND AS INDICATED ON DETAILS WITH ADEQUATE FALL TO OUTLET. DRAINS SHALL BE BEDDED ON 20mm GRAVEL, MINIMUM 150mm COVER.
- CONTRACTOR TO PROVIDE TEMPORARY PROPPING PROPOSAL TO ENGINEER PRIOR TO COMMENCEMENT OF WORKS

FOOTINGS

- FOOTING STEPS TO SUIT AFS LOGICWALL WEB OPENING SPACINGS e.g. 150mm, 300mm etc.
- THE FOUNDATION MATERIAL SHALL BE INSPECTED BY GEOTECHNICAL ENGINEER AND APPROVED PRIOR TO PLACEMENT OF REINFORCEMENT.
- FOOTING REINFORCEMENT STARTER BARS TO MATCH AFS LOGIC WALL REINFORCEMENT SPACING AND AFS LOGICWALL GUIDELINES

REFER TO DRAWINGS ST-00101 & ST-00102 FOR GENERAL NOTES

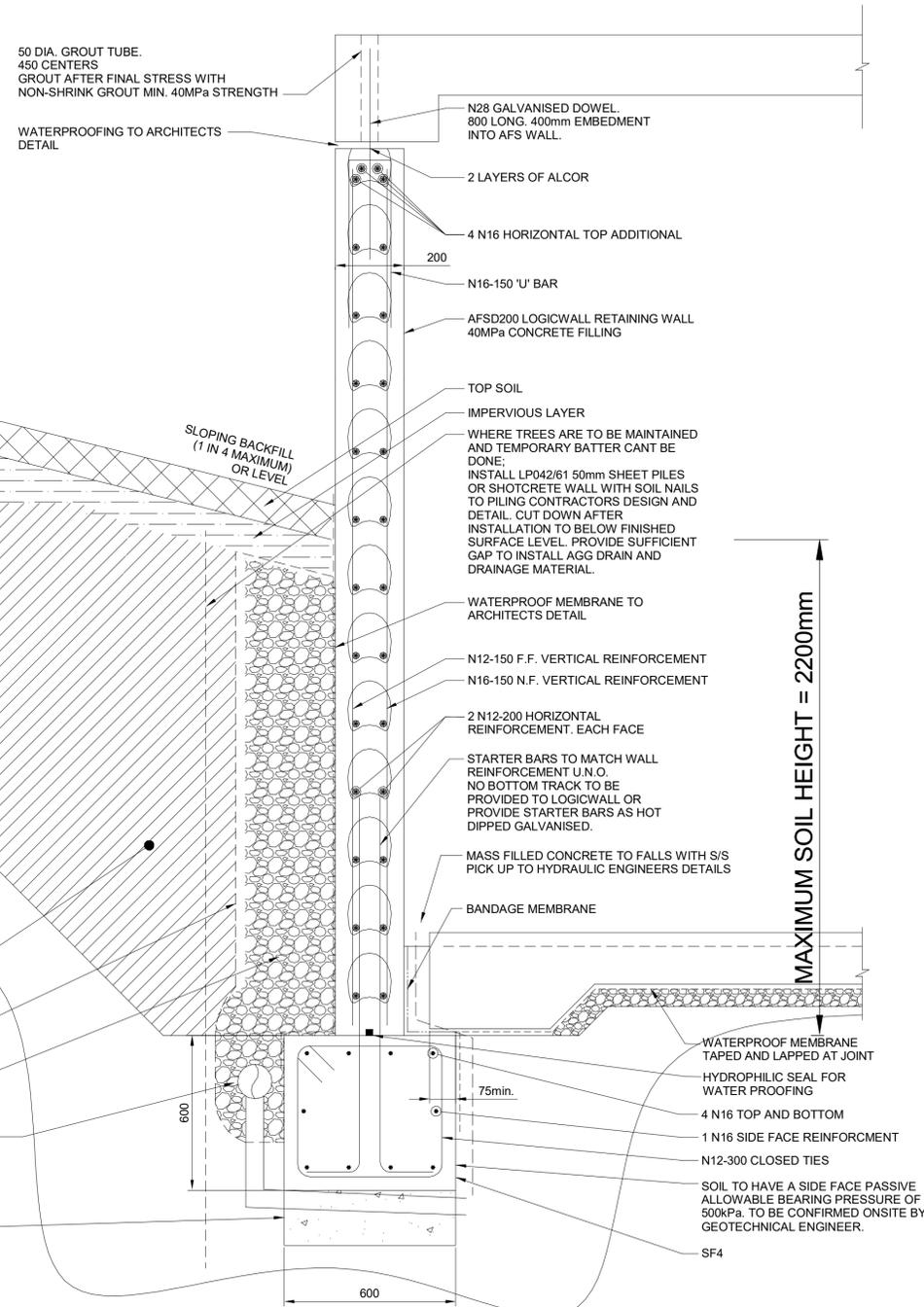
Recent revision history	Description	Date	Notes
1	50% DO Updates	26.06.20	
2	75% Documentation Issue	08.07.20	
3	For Crown Certificate	23.07.20	



ARW2
AFSD200 LOGIC WALL RETAINING WALL DETAIL
 SCALE 1:10

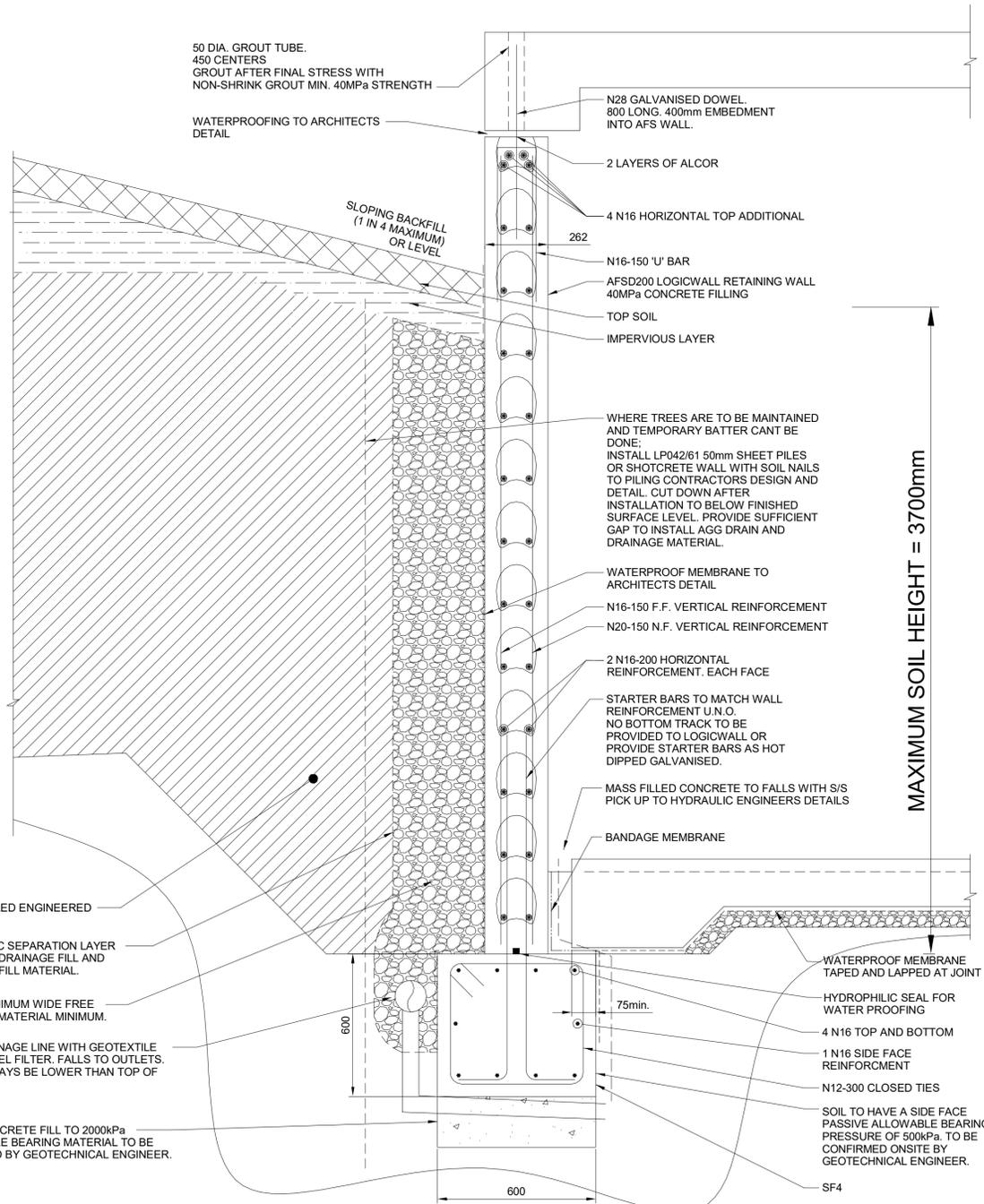
- NOTE:**
- BUILDER TO MAINTAIN STABILITY OF WALL DURING BACK FILLING.
 - STRIP FOOTING TO BE FOUNDED ON ROCK WITH A BEARING CAPACITY OF 2000kPa TO BE CONFIRMED ON SITE BY A GEOTECHNICAL ENGINEER.
 - CONCRETE $f_c = 40$ MPa
 - COVER TO BOTTOM AND SIDES = 50mm

<p>Contractor</p>	<p>Project</p> <p>MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT</p> <p>Client</p> <p>Education School Infrastructure</p>	<p>Issuer</p> <p>enstruct enstruct group pty ltd Level 4, 2 Glen Street, Milsom Point NSW 2061 Telephone (02) 8904 1444 http://www.enstruct.com.au</p> <p>Project number</p> <p>5645</p> <p>Checked</p> <p>NLK</p> <p>Size check</p> <p>25mm</p> <p>Approved</p> <p>MOS</p> <p>Sheet size</p> <p>A1</p> <p>Scale</p> <p>1:10</p>	<p>Sheet title</p> <p>AFS RETAINING WALL DETAILS - SHEET 1</p> <p>Sheet number</p> <p>MSP-EN-ST-00450</p> <p>Status</p> <p>FOR CROWN CERTIFICATE</p> <p>Revision</p> <p>3</p>
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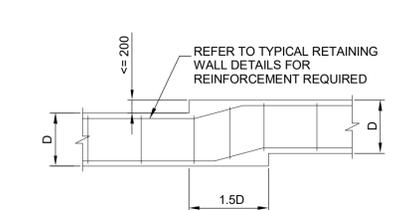
ARW3
AFSD200 LOGIC WALL RETAINING WALL DETAIL
SCALE 1:10

- NOTE:**
- BUILDER TO MAINTAIN STABILITY OF WALL DURING BACK FILLING.
 - STRIP FOOTING TO BE FOUNDED ON ROCK WITH A BEARING CAPACITY OF 2000kPa TO BE CONFIRMED ON SITE BY A GEOTECHNICAL ENGINEER.
 - CONCRETE $f_c = 40 \text{ MPa}$
 - COVER TO BOTTOM AND SIDES = 50mm

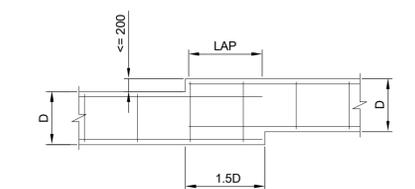


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AFSD262 LOGIC WALL RETAINING WALL DETAIL
SCALE 1:10

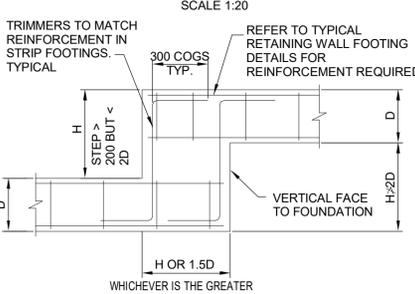
- NOTE:**
- BUILDER TO MAINTAIN STABILITY OF WALL DURING BACK FILLING.
 - STRIP FOOTING TO BE FOUNDED ON ROCK WITH A BEARING CAPACITY OF 2000kPa TO BE CONFIRMED ON SITE BY A GEOTECHNICAL ENGINEER.
 - CONCRETE $f_c = 40 \text{ MPa}$
 - COVER TO BOTTOM AND SIDES = 50mm



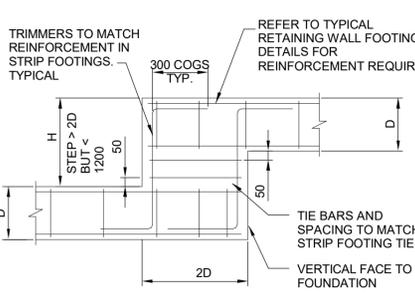
RETAINING WALL FOOTING
STEP LESS THAN 200mm
SCALE 1:20



RETAINING WALL FOOTING
STEP LESS THAN 200mm
(ALTERNATE)
SCALE 1:20



RETAINING WALL FOOTING STEP
GREATER THAN 200mm BUT
LESS THAN 2D
SCALE 1:20



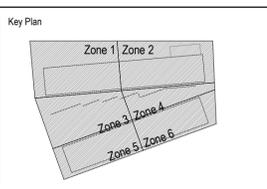
RETAINING WALL FOOTING
STEP GREATER THAN 2D BUT
LESS THAN 1200mm
SCALE 1:20

- GENERAL NOTES:**
- RETAINED HEIGHTS TO BE CONFIRMED BY LANDSCAPE / CIVIL CONSULTANT
 - BUILDER TO ADVISE IF RETAINED HEIGHTS ARE LARGER THAN DOCUMENTED
 - WALLS ARE NOT DESIGNED TO WITHSTAND HYDROSTATIC PRESSURE
 - ALL CONCRETE TO BE $f_c=40\text{MPa}$ U.N.O.
 - TESTING OF BACKFILL AS FOLLOWS: ONE FIELD TEST PER 400 SQ/M (OR PART THEREOF) EVERY FOURTH LAYER TO AS1289, TEST E2.1 BY A NATA REGISTERED LABORATORY
 - RETAINING WALLS NOT BE BACKFILLED UNTIL A MINIMUM OF 14 DAYS AFTER POURING CONCRETE FOR WALLS AND SLABS PROVIDING LATERAL SUPPORT.
 - ALL CONTROLLED BACKFILL BEHIND RETAINING WALLS TO BE COMPACTED USING METHODS THAT DO NOT PLACE EXCESSIVE LOADS ON RETAINING WALLS. THE CONTRACTOR SHALL USE LIGHT COMPACTION EQUIPMENT, WHACKER PACKERS OR EQUIVALENT.

- GENERAL NOTES CONTINUED:**
- PROVIDE 100mm DIA AGRICULTURAL DRAINS BEHIND ALL RETAINING WALLS AND AS INDICATED ON DETAILS WITH ADEQUATE FALL TO OUTLET. DRAINS SHALL BE BEDDED ON 20mm GRAVEL, MINIMUM 150mm COVER.
 - CONTRACTOR TO PROVIDE TEMPORARY PROPPING PROPOSAL TO ENGINEER PRIOR TO COMMENCEMENT OF WORKS
- FOOTINGS**
- FOOTING STEPS TO SUIT AFS LOGICWALL WEB OPENING SPACINGS e.g. 150mm, 300mm etc.
 - THE FOUNDATION MATERIAL SHALL BE INSPECTED BY GEOTECHNICAL ENGINEER AND APPROVED PRIOR TO PLACEMENT OF REINFORCEMENT.
 - FOOTING REINFORCEMENT STARTER BARS TO MATCH AFS LOGIC WALL REINFORCEMENT SPACING AND AFS LOGICWALL GUIDELINES

REFER TO DRAWINGS ST-00101 & ST-00102 FOR GENERAL NOTES

Recent revision history	Description	Date	Notes
1	Draft 50% Schematic Design	24.05.19	
2	Schematic Design	14.06.19	
3	Issued for Information	29.05.20	
4	Issued For Information 50% Design Development	05.06.20	
5	50% DD Updates	19.06.20	
6	50% DD Updates	26.06.20	
7	75% Documentation Issue	08.07.20	
8	For Crown Certificate	23.07.20	



Contractor: **roberts pizzarotti**

Project: **MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT**

Client: **NSW Education School Infrastructure**

Project number: **5645**

Size check: **25mm**

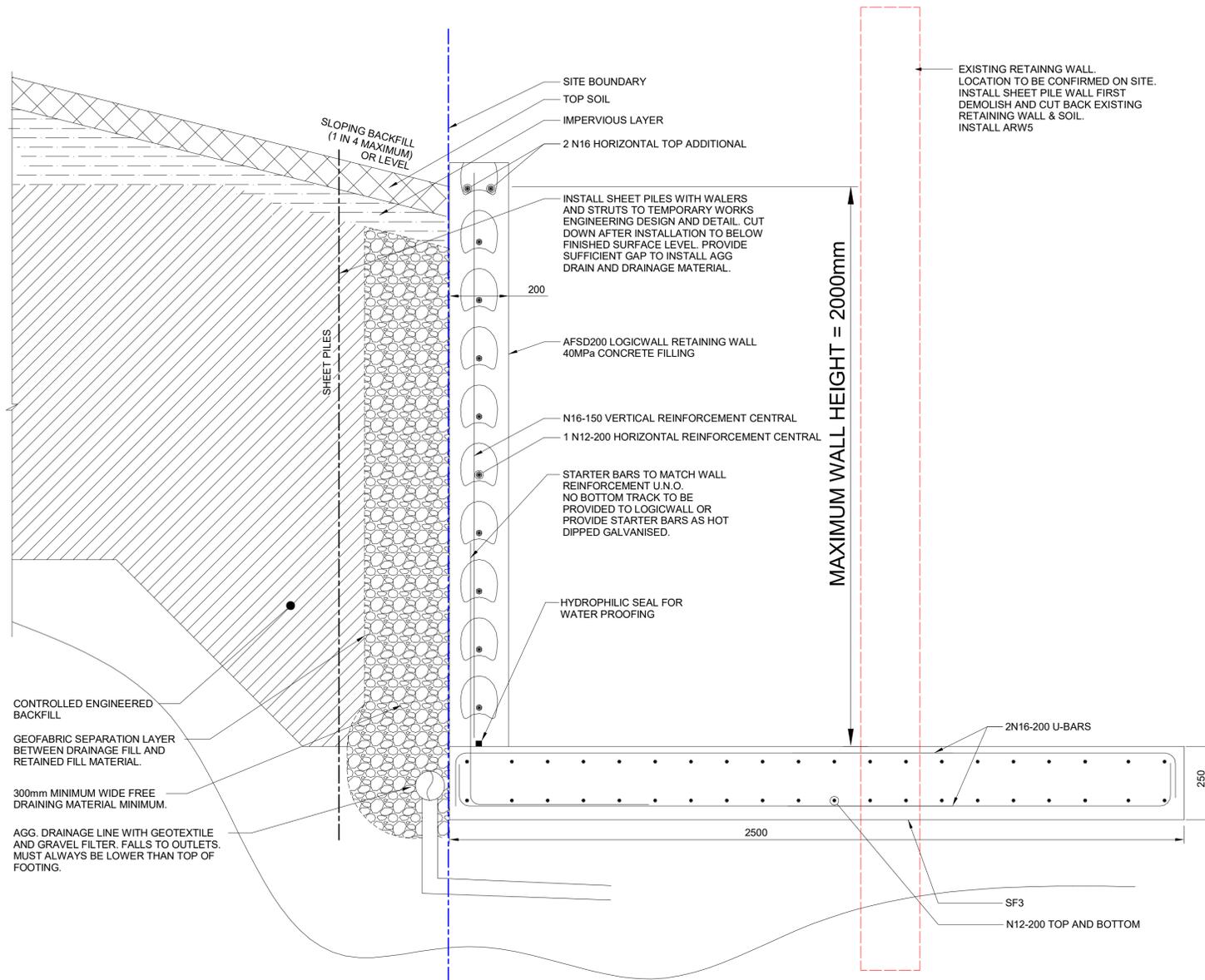
Checked: **NLK** Approved: **MOS** Sheet size: **A1** Scale: **As indicated**

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Sheet title: **AFS RETAINING WALL DETAILS - SHEET 2**

Sheet number: **MSP-EN-ST-00451** Revision: **8**

Status: **FOR CROWN CERTIFICATE**



ARW5
AFS200 LOGIC WALL RETAINING WALL DETAIL
 SCALE 1:10

- NOTE:**
- BUILDER TO MAINTAIN STABILITY OF WALL DURING BACK FILLING.
 - STRIP FOOTING TO BE FOUNDED ON ROCK WITH A BEARING CAPACITY OF 2000kPa TO BE CONFIRMED ON SITE BY A GEOTECHNICAL ENGINEER.
 - CONCRETE $f_c = 40 \text{ MPa}$
 - COVER TO BOTTOM AND SIDES = 50mm

GENERAL NOTES :

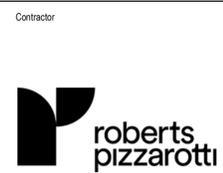
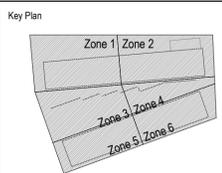
- RETAINED HEIGHTS TO BE CONFIRMED BY LANDSCAPE / CIVIL CONSULTANT
- BUILDER TO ADVISE IF RETAINED HEIGHTS ARE LARGER THAN DOCUMENTED
- WALLS ARE NOT DESIGNED TO WITHSTAND HYDROSTATIC PRESSURE
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- TESTING OF BACKFILL AS FOLLOWS: ONE FIELD TEST PER 400 SQ/M (OR PART THEREOF) EVERY FOURTH LAYER TO AS1289, TEST E2.1 BY A NATA REGISTERED LABORATORY
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- PROVIDE 100mm DIA AGRICULTURAL DRAINS BEHIND ALL RETAINING WALLS AND AS INDICATED ON DETAILS WITH ADEQUATE FALL TO OUTLET. DRAINS SHALL BE BEDDED ON 20mm GRAVEL, MINIMUM 150mm COVER.
- CONTRACTOR TO PROVIDE TEMPORARY PROPPING PROPOSAL TO ENGINEER PRIOR TO COMMENCEMENT OF WORKS

FOOTINGS

- FOOTING STEPS TO SUIT AFS LOGICWALL WEB OPENING SPACINGS e.g. 150mm, 300mm etc.
- THE FOUNDATION MATERIAL SHALL BE INSPECTED BY GEOTECHNICAL ENGINEER AND APPROVED PRIOR TO PLACEMENT OF REINFORCEMENT.
- FOOTING REINFORCEMENT STARTER BARS TO MATCH AFS LOGIC WALL REINFORCEMENT SPACING AND AFS LOGICWALL GUIDELINES

REFER TO DRAWINGS ST-00101 & ST-00102 FOR GENERAL NOTES

Recent revision history	Description	Date	Notes
1	Issued For Information 50% Design Development	05.06.20	
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3	50% DD Updates	26.06.20	
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5	For Crown Certificate	23.07.20	



Project
 MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT

Client
 Education School Infrastructure

Issuer
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 Telephone (02) 8904 1444
 http://www.enstruct.com.au

Project number
 5645

Size check
 25mm

Checked
 NLK

Approved
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Sheet size
 A1

Scale
 1:10

Sheet title
 AFS RETAINING WALL DETAILS - SHEET 3

Sheet number
 MSP-EN-ST-00452

Revision
 5

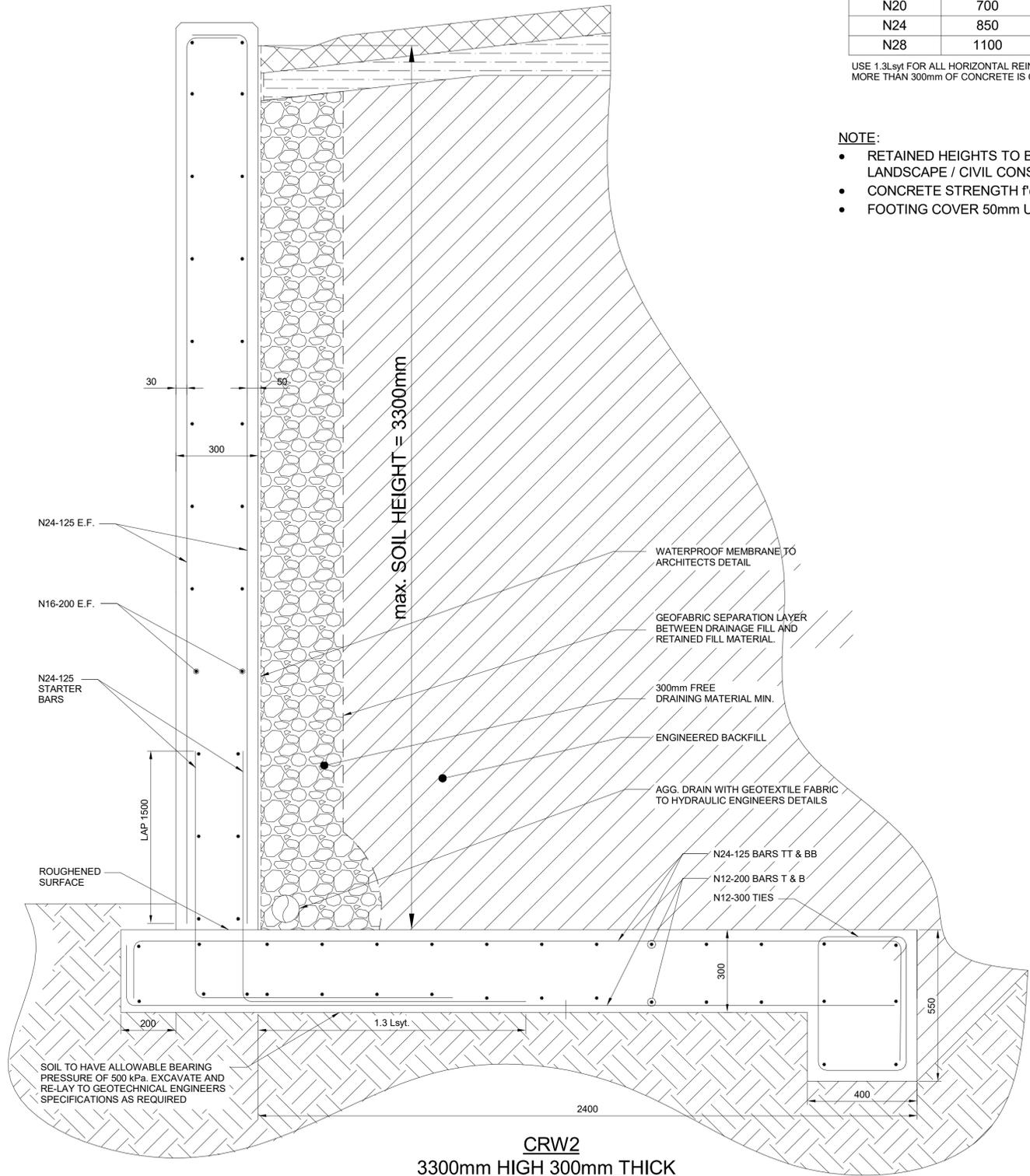
Status
 FOR CROWN CERTIFICATE

REINFORCEMENT LAP SCHEDULE		
SIZE	Lsyt	1.3Lsyt
N12	350	500
N16	500	650
N20	700	950
N24	850	1150
N28	1100	1450

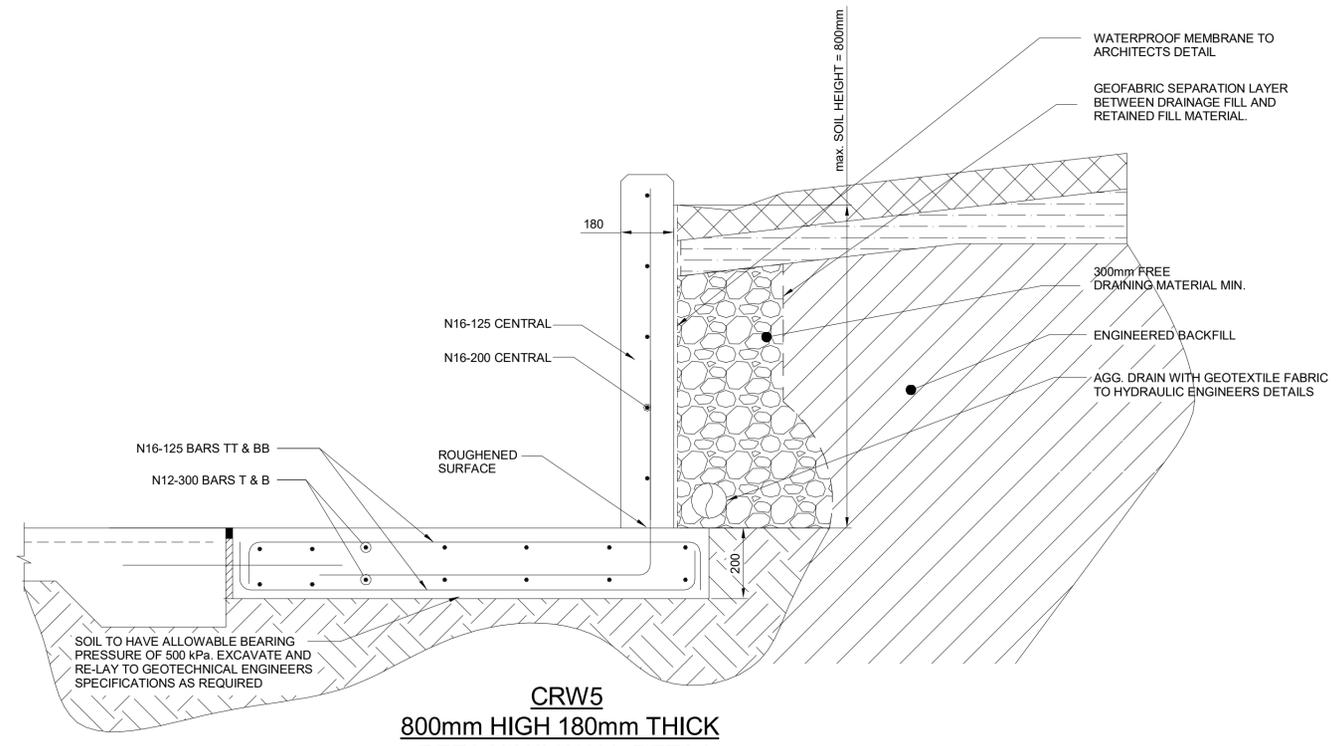
USE 1.3Lsyt FOR ALL HORIZONTAL REINFORCEMENT AND WHEN MORE THAN 300mm OF CONCRETE IS CAST BELOW THE BAR

NOTE:

- RETAINED HEIGHTS TO BE CONFIRMED BY LANDSCAPE / CIVIL CONSULTANT
- CONCRETE STRENGTH $f_c = 40\text{MPa}$
- FOOTING COVER 50mm U.N.O.



CRW2
3300mm HIGH 300mm THICK
RETAINING WALL DETAIL
SCALE = 1:20



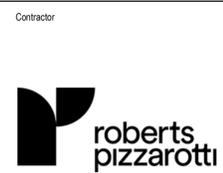
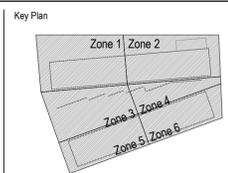
CRW5
800mm HIGH 180mm THICK
RETAINING WALL DETAIL
SCALE = 1:20

REFER TO DRAWINGS ST-00101 & ST-00102 FOR GENERAL NOTES

NOTE: BUILDER TO MAINTAIN STABILITY OF WALL DURING BACK FILLING.

NOTE: BUILDER TO MAINTAIN STABILITY OF WALL DURING BACK FILLING.

#	Description	Date	Notes
1	Schematic Design	14.06.19	
2	Issued for Information	29.05.20	
3	Issued For Information 50% Design Development	05.06.20	
4	75% Documentation Issue For Crown Certificate	08.07.20	
5		23.07.20	



Contractor
roberts pizzarotti

Project
MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT

Client
NSW GOVERNMENT Education School Infrastructure

Issuer
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enstruct group pty ltd
Level 4, 2 Glen Street, Milsions Point NSW 2061
Telephone (02) 8904 1444
http://www.enstruct.com.au

Project number
5645

Size check
25mm

Checked
NLK

Approved
MOS

Sheet size
A1

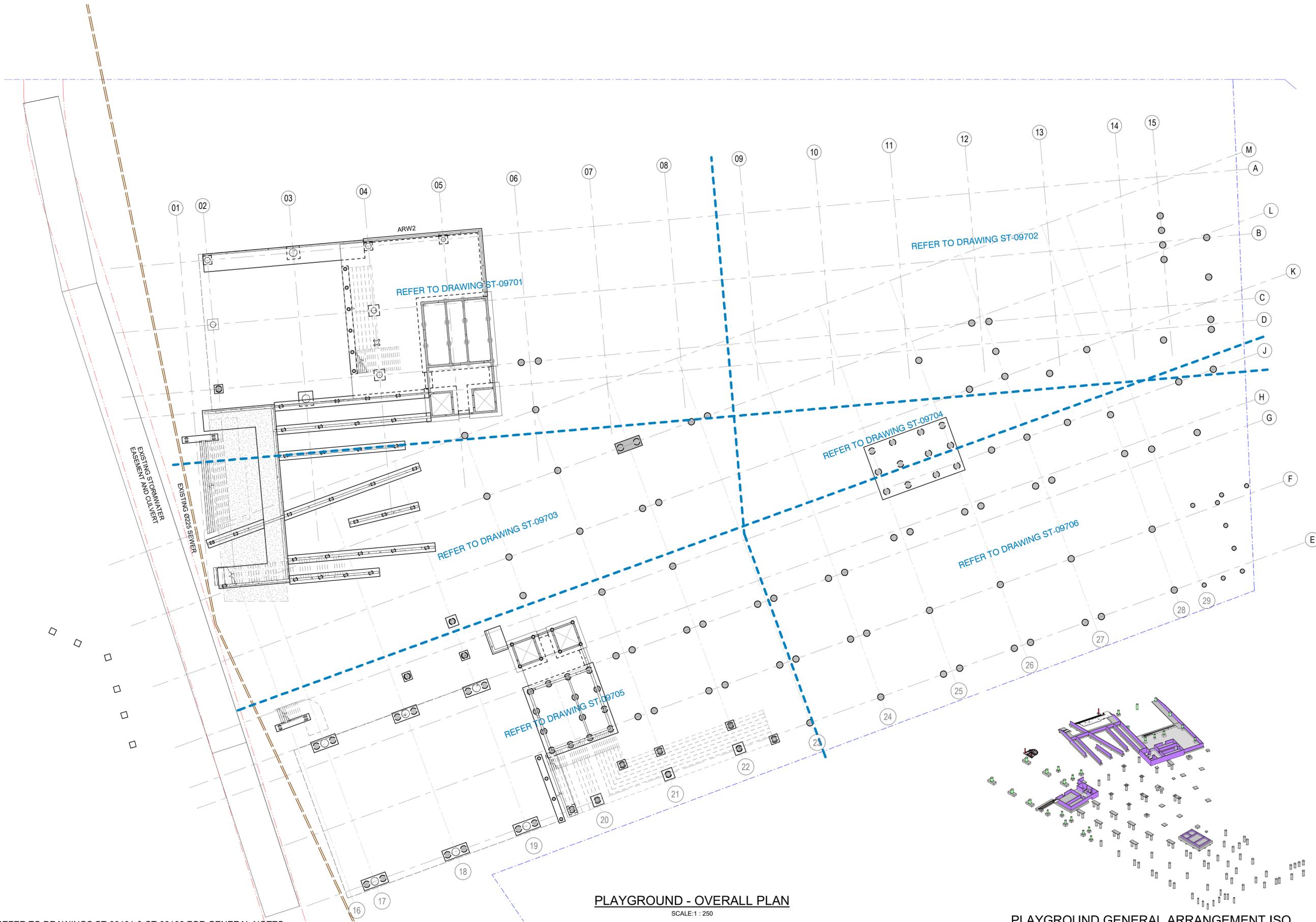
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Sheet title
CONCRETE RETAINING WALL DETAILS SHEET 2

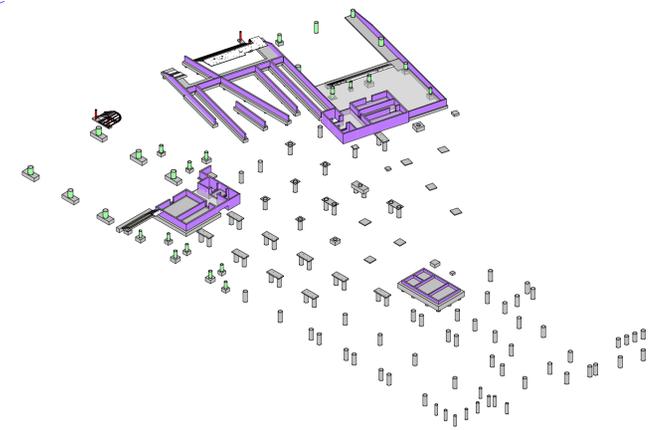
Sheet number
MSP-EN-ST-00456

Revision
5

Status
FOR CROWN CERTIFICATE



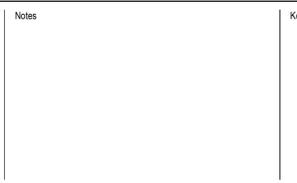
PLAYGROUND - OVERALL PLAN
SCALE: 1 : 250



PLAYGROUND GENERAL ARRANGEMENT ISO
SCALE:

REFER TO DRAWINGS ST-00101 & ST-00102 FOR GENERAL NOTES

Recent revision history	Description	Date	Notes
1	Schematic Design	14.06.19	
2	Issued for Information	22.05.20	
3	Issued for Information	29.05.20	
4	Issued for Information 50% Design Development	05.06.20	
5	50% DD Updates	19.06.20	
6	75% Documentation Issue	08.07.20	
7	For Crown Certificate	23.07.20	



- NOTES:**
- POST TENSIONED CONCRETE WORKS TO SPECIALIST P/T CONTRACTORS DETAIL
 - REFER TO PT CONCRETE SPECIFICATION
 - SLABS TO BE 180 THICK PT MINIMUM TYPICAL U.N.O.
 - ALL BEAMS TO BE P/T U.N.O.
 - ALL SLAB FOLDS TO BE 900mm WIDE U.N.O.
 - ALL FACADE FIXINGS TO BE COORDINATED WITH P/T AND REINFORCEMENT
 - REFER TO DRAWING ST-01231 & ST-01232 FOR TYPICAL SUSPENDED SLAB DETAILS
 - REFER TO DRAWING ST-00550 FOR CORE WALL SIZES TYPICALLY U.N.O.
 - REFER TO DRAWING ST-00511 FOR COLUMN SIZES TYPICALLY U.N.O.
 - KF40 REFERS TO FIELDS KF40 0.75 BMT

Contractor

Project
MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT

Client
NSW GOVERNMENT Education School Infrastructure

Issuer
enstruct
enstruct group pty ltd
Level 4, 2 Glen Street, Milsons Point NSW 2061
Telephone (02) 8904 1444
http://www.enstruct.com.au

Project number
5645

Size check
25mm

Checked
NLK

Approved
MOS

Sheet size
A1

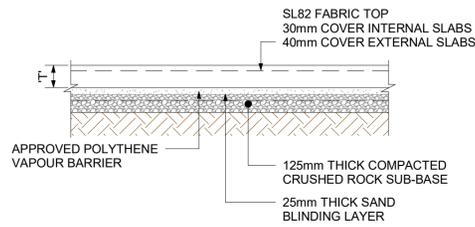
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Sheet title
PLAYGROUND - OVERALL PLAN

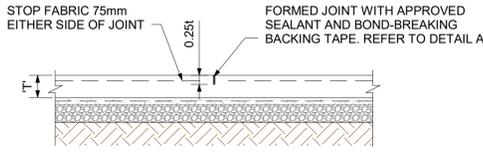
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Revision
7

Status
FOR CROWN CERTIFICATE



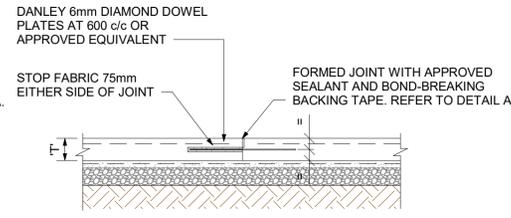
TYPICAL 150mm SLAB ON GRADE SECTION
SCALE 1:20



NOTE: SAW CUT TO BE WITHIN THE FOLLOWING TIME LIMITS.

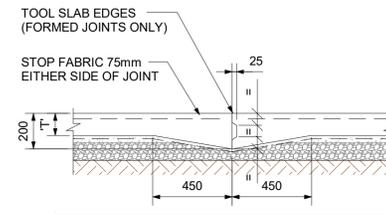
DAILY MAXIMUM TEMPERATURE (°C)	MAXIMUM TIME AFTER CONCRETE PLACEMENT FOR SAWING TO OCCUR (HOURS)
<10	48
10-20	36
20-30	24
>30	12

TYPICAL SAWN CONTRACTION JOINT (S.C.J)
SCALE 1:20



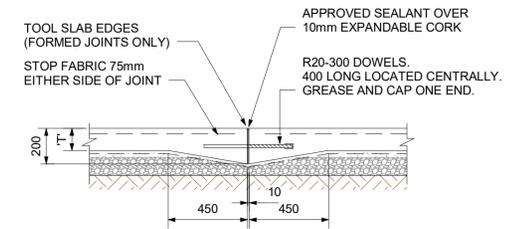
NOTE: NOT SHOWN ON PLAN - TO BE USED AT SLAB POUR BREAKS (LOCATIONS DETERMINED BY CONTRACTOR)

FORMED CONSTRUCTION JOINT (F.C.J)
SCALE 1:20

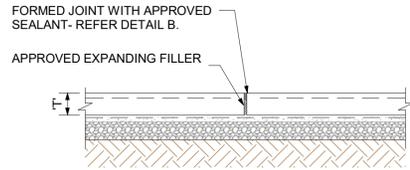


NOTE: WHERE JOINTS ARE FORMED APPLY APPROVED BONDBREAKER TO THE FIRST FACE POURED

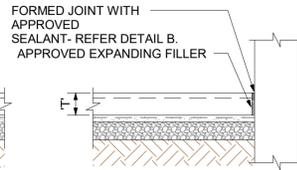
KEYED JOINT (K.J.)
SCALE 1:20



EXPANSION JOINT (E.J.)
SCALE 1:20

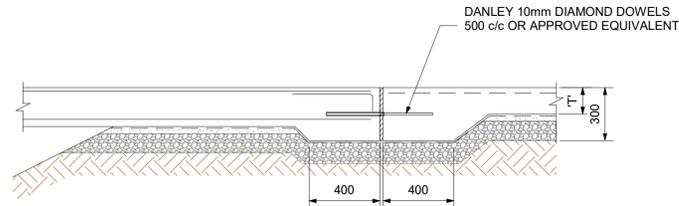


ADJOINING SLAB

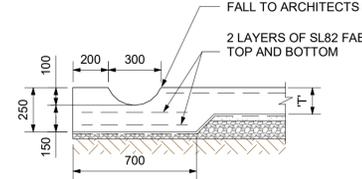


ABUTTING STRUCTURE

TYPICAL ISOLATION JOINT (I.J)
SCALE 1:20

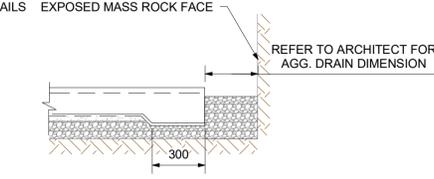


MOVEMENT JOINT (M.J.) CONNECTION TO SUSPENDED SLAB
SCALE 1:20

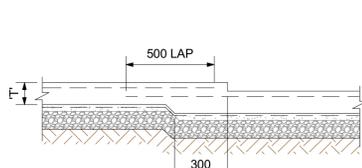


NOTE: PROVIDE VERTICAL JOINTS IN SPOON DRAIN TO COINCIDE WITH SLAB JOINTS.

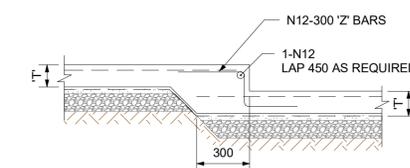
SPOON DRAIN DETAIL
SCALE 1:20



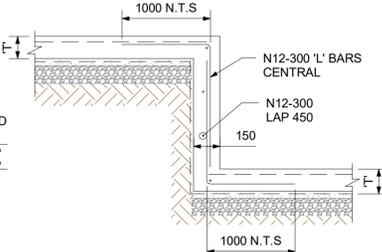
TYPICAL SLAB EDGE THICKENING (ET1)
SCALE 1:10



STEP <50mm

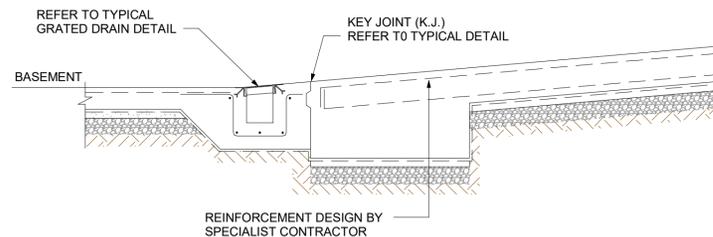


STEP ≥ 50mm AND < 450mm

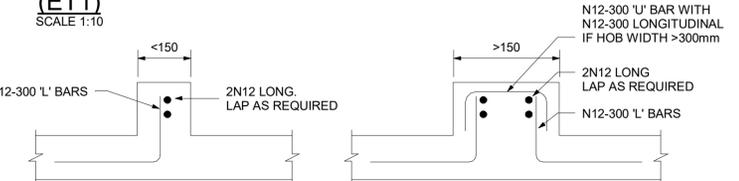


STEP ≥450mm

TYPICAL SLAB ON GRADE STEP DETAIL
SCALE 1:20

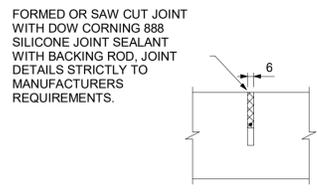


RAMP KEY JOINT ON GRADE GRATED DRAIN DETAIL

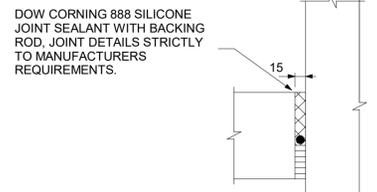


NOTE:
• REFER ARCHITECTS DRAWINGS FOR HOB LOCATIONS.
• JOINTS IN HOB TO CORRESPOND WITH SLAB JOINT LOCATIONS.
• ALL HOB TO BE POURED INTEGRAL WITH PRIMARY STRUCTURAL SLAB.

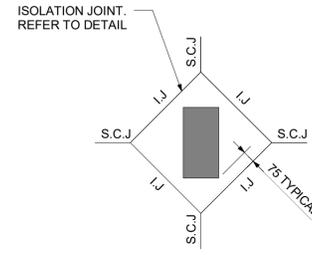
TYPICAL HOB DETAILS
SCALE 1:20



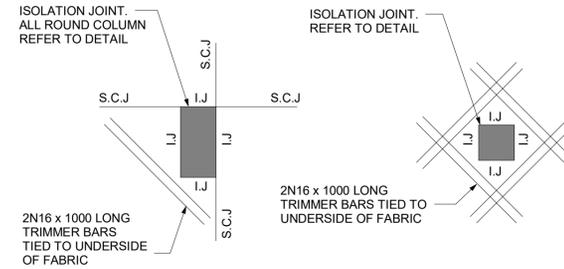
DETAIL A
SCALE = 1:20



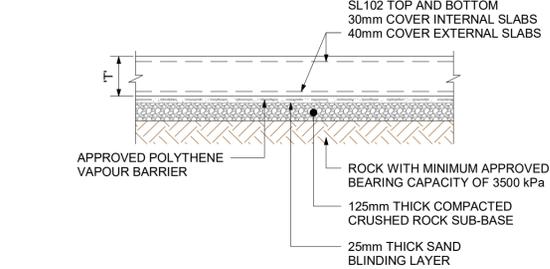
DETAIL B
SCALE = 1:20



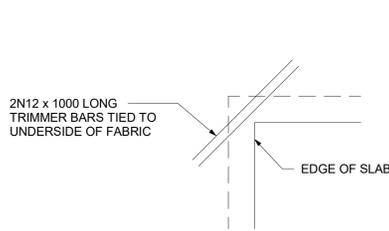
TYPICAL PLAN AT JOINT JUNCTION
SCALE 1:20



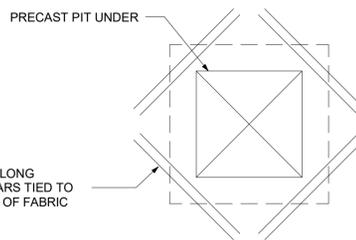
MESH REINFORCEMENT LAP DETAILS
SCALE 1:20



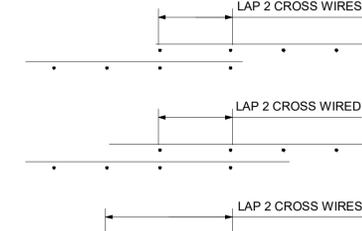
TYPICAL 250mm SLAB ON GRADE SECTION
SCALE 1:20



TYPICAL RE-ENTRANT CORNER DETAIL
SCALE 1:20



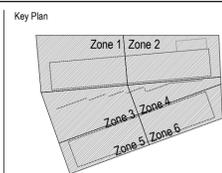
TYPICAL PRECAST PIT PLAN DETAIL
SCALE 1:20



MESH REINFORCEMENT LAP DETAILS
SCALE 1:20

Recent revision history

#	Description	Date	Notes
1	Draft 50% Schematic Design	24.05.19	
2	Schematic Design	14.06.19	
3	Issued For Information 50% Design Development	05.06.20	
4	Issued For Design Development Updates	12.06.20	
5	50% DD Updates	19.06.20	
6	75% Documentation Issue	08.07.20	
7	For Crown Certificate	23.07.20	



Key Plan

Contractor



Project
MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT



Issuer
enstruct
enstruct group pty ltd
Level 4, 2 Glen Street, Milsons Point NSW 2061
Telephone (02) 8904 1444
http://www.enstruct.com.au

Project number
5645

Size check
25mm

Checked
NLK

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MOS

Sheet size
A1

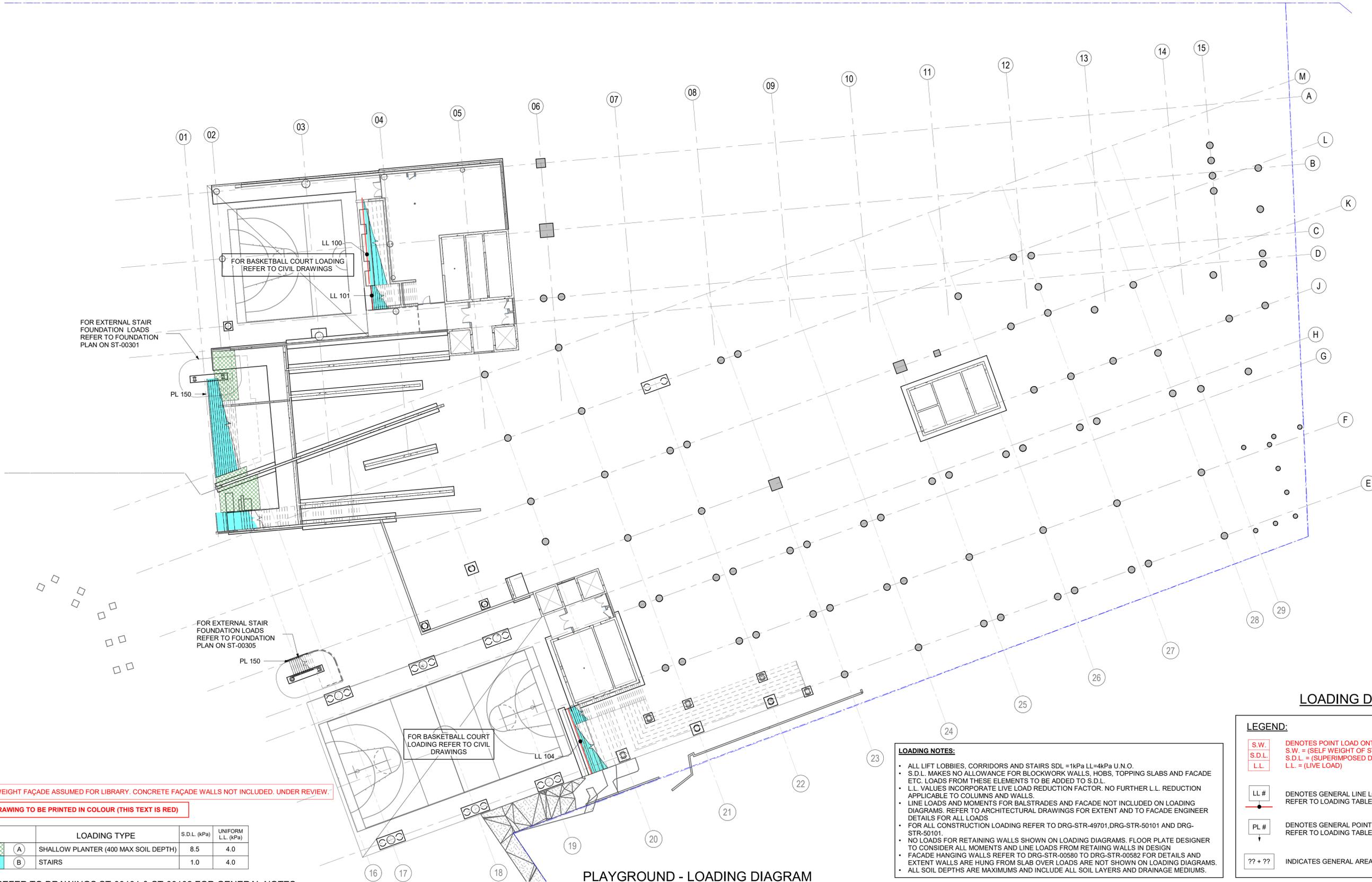
Scale
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Sheet title
TYPICAL SLAB ON GRADE DETAILS

Sheet number
MSP-EN-ST-09931

Revision
7

Status
FOR CROWN CERTIFICATE

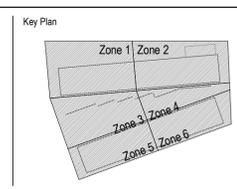


LIGHTWEIGHT FAÇADE ASSUMED FOR LIBRARY. CONCRETE FAÇADE WALLS NOT INCLUDED. UNDER REVIEW.
 THIS DRAWING TO BE PRINTED IN COLOUR (THIS TEXT IS RED)

	LOADING TYPE	S.D.L. (kPa)	UNIFORM L.L. (kPa)
	(A) SHALLOW PLANTER (400 MAX SOIL DEPTH)	8.5	4.0
	(B) STAIRS	1.0	4.0

REFER TO DRAWINGS ST-00101 & ST-00102 FOR GENERAL NOTES

Recent revision history	Description	Date	Notes
1	Issued For Information 50% Design Development	05.06.20	
2	50% DD Updates	19.06.20	
3	75% Documentation Issue	08.07.20	
4	For Crown Certificate	23.07.20	



PLAYGROUND - LOADING DIAGRAM
SCALE: 1 : 250

LOADING NOTES:

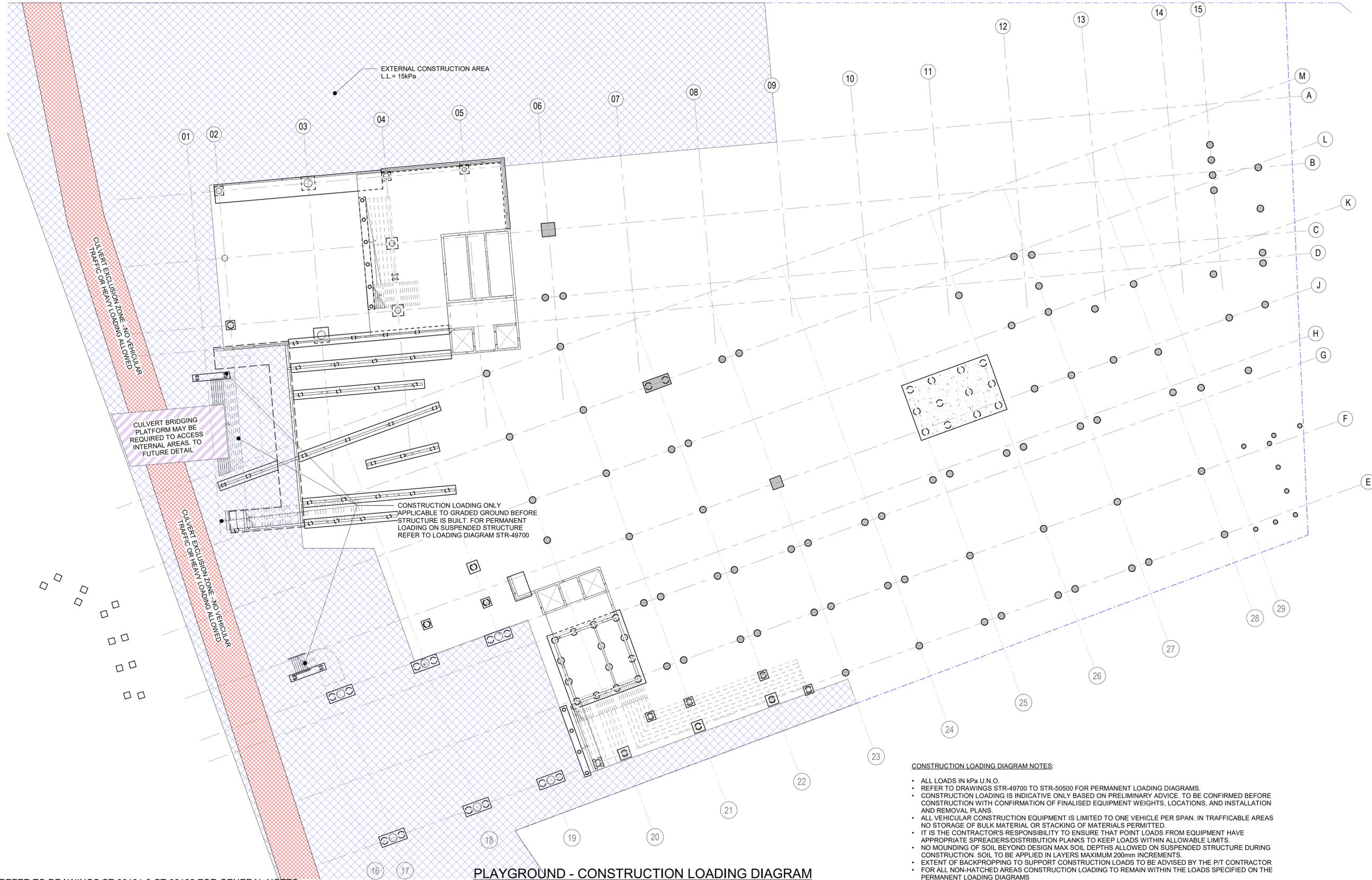
- ALL LIFT LOBBIES, CORRIDORS AND STAIRS SDL = 1kPa LL = 4kPa U.N.O.
- S.D.L. MAKES NO ALLOWANCE FOR BLOCKWORK WALLS, HOBS, TOPPING SLABS AND FAÇADE ETC. LOADS FROM THESE ELEMENTS TO BE ADDED TO S.D.L.
- L.L. VALUES INCORPORATE LIVE LOAD REDUCTION FACTOR. NO FURTHER L.L. REDUCTION APPLICABLE TO COLUMNS AND WALLS.
- LINE LOADS AND MOMENTS FOR BALSTRADES AND FAÇADE NOT INCLUDED ON LOADING DIAGRAMS. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND TO FAÇADE ENGINEER DETAILS FOR ALL LOADS
- FOR ALL CONSTRUCTION LOADING REFER TO DRG-STR-49701, DRG-STR-50101 AND DRG-STR-50101.
- NO LOADS FOR RETAINING WALLS SHOWN ON LOADING DIAGRAMS. FLOOR PLATE DESIGNER TO CONSIDER ALL MOMENTS AND LINE LOADS FROM RETAINING WALLS IN DESIGN
- FAÇADE HANGING WALLS REFER TO DRG-STR-00580 TO DRG-STR-00582 FOR DETAILS AND EXTENT WALLS ARE HUNG FROM SLAB OVER LOADS ARE NOT SHOWN ON LOADING DIAGRAMS.
- ALL SOIL DEPTHS ARE MAXIMUMS AND INCLUDE ALL SOIL LAYERS AND DRAINAGE MEDIUMS.

LOADING DIAGRAM KEY

LEGEND:

- S.W. DENOTES POINT LOAD ONTO TRANSFER STRUCTURE IN kN U.N.O.
- S.D.L. S.W. = (SELF WEIGHT OF STRUCTURE)
- L.L. S.D.L. = (SUPERIMPOSED DEAD LOAD)
- L.L. = (LIVE LOAD)
- LL # DENOTES GENERAL LINE LOAD. REFER TO LOADING TABLE ON STR-49500 FOR LOADING SCHEDULE
- PL # DENOTES GENERAL POINT LOAD. REFER TO LOADING TABLE ON STR-49500 FOR LOADING SCHEDULE
- ?? + ?? INDICATES GENERAL AREA LOADS S.D.L. + L.L. (IN kPa)

<p>Contractor</p>	<p>Project</p> <p>MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT</p> <p>Client</p> <p>Education School Infrastructure</p>	<p>Issuer</p> <p>enstruct enstruct group Pty Ltd Level 4, 2 Glen Street, Milsom Point NSW 2061 Telephone (02) 8904 1444 http://www.enstruct.com.au</p> <p>Project number</p> <p>5645</p> <p>Checked NLK</p> <p>Approved MOS</p> <p>Size check 25mm</p> <p>Sheet size A1</p> <p>Scale As indicated</p>	<p>Sheet title</p> <p>PLAYGROUND - LOADING DIAGRAM</p> <p>Sheet number</p> <p>MSP-EN-ST-49700</p> <p>Status</p> <p>FOR CROWN CERTIFICATE</p> <p>Revision</p> <p>4</p>
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PLAYGROUND - CONSTRUCTION LOADING DIAGRAM

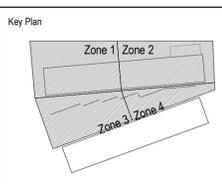
SCALE: 1 : 250

CONSTRUCTION LOADING DIAGRAM NOTES:

- ALL LOADS IN kPa U.N.O.
- REFER TO DRAWINGS STR-49700 TO STR-50500 FOR PERMANENT LOADING DIAGRAMS.
- CONSTRUCTION LOADING IS INDICATIVE ONLY BASED ON PRELIMINARY ADVICE. TO BE CONFIRMED BEFORE CONSTRUCTION WITH CONFIRMATION OF FINALISED EQUIPMENT WEIGHTS, LOCATIONS, AND INSTALLATION AND REMOVAL PLANS.
- ALL VEHICULAR CONSTRUCTION EQUIPMENT IS LIMITED TO ONE VEHICLE PER SPAN. IN TRAFFICABLE AREAS NO STORAGE OF BULK MATERIAL OR STACKING OF MATERIALS PERMITTED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT POINT LOADS FROM EQUIPMENT HAVE APPROPRIATE SPREADERS/DISTRIBUTION PLANKS TO KEEP LOADS WITHIN ALLOWABLE LIMITS.
- NO MOUNDING OF SOIL BEYOND DESIGN MAX SOIL DEPTHS ALLOWED ON SUSPENDED STRUCTURE DURING CONSTRUCTION. SOIL TO BE APPLIED IN LAYERS MAXIMUM 200mm INCREMENTS.
- EXTENT OF BACKPROPPING TO SUPPORT CONSTRUCTION LOADS TO BE ADVISED BY THE P/T CONTRACTOR FOR ALL NON-HATCHED AREAS CONSTRUCTION LOADING TO REMAIN WITHIN THE LOADS SPECIFIED ON THE PERMANENT LOADING DIAGRAMS

REFER TO DRAWINGS ST-00101 & ST-00102 FOR GENERAL NOTES

Recent revision history	Description	Date	Notes
# 1	75% Documentation Issue	08.07.20	
2	For Crown Certificate	23.07.20	



<p>Contractor</p>	<p>Project</p> <p>MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT</p> <p>Client</p> <p>Education School Infrastructure</p>	<p>Issuer</p> <p>enstruct enstruct group pty ltd Level 4, 2 Glen Street, Milsom Point NSW 2061 Telephone (02) 8904 1444 http://www.enstruct.com.au</p> <p>Project number</p> <p>5645</p> <p>Checked NLK</p> <p>Approved MOS</p> <p>Size check</p> <p>25mm</p> <p>Sheet size A1</p> <p>Scale 1 : 250</p>	<p>Sheet title</p> <p>PLAYGROUND - CONSTRUCTION LOADING DIAGRAM</p> <p>Sheet number</p> <p>MSP-EN-ST-49701</p> <p>Status</p> <p>FOR CROWN CERTIFICATE</p> <p>Revision</p> <p>2</p>
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FOR BACKFILLED LANDSCAPED AREAS ON GRADE REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR DEPTHS

LIGHTWEIGHT FAÇADE ASSUMED FOR LIBRARY. CONCRETE FAÇADE WALLS NOT INCLUDED. UNDER REVIEW.

THIS DRAWING TO BE PRINTED IN COLOUR (THIS TEXT IS RED)

	LOADING TYPE	S.D.L. (kPa)	UNIFORM L.L. (kPa)
(A)	PLANT	1.5	7.5
(B)	TOILETS	3.0	2.0
(C)	GROUND TERRACE	3.0	5.0
(D)	SHALLOW PLANTER (400 MAX SOIL DEPTH)	8.5	4.0
(E)	DEEP PLANTER (600 MAX SOIL DEPTH)	15.0	4.0
(F)	STAIRS	1.0	4.0
(G)	FIRE STAIRS	0.0	4.0
(H)	SWITCHBACK STAIRS	0.5	4.0
(I)	CANTEEN	1.0	5.0

LOADING DIAGRAM KEY

LEGEND:

- S.W.** DENOTES POINT LOAD ONTO TRANSFER STRUCTURE IN KN U.N.O.
- S.D.L.** S.W. = (SELF WEIGHT OF STRUCTURE)
- S.D.L.** S.D.L. = (SUPERIMPOSED DEAD LOAD)
- L.L.** L.L. = (LIVE LOAD)

LL # DENOTES GENERAL LINE LOAD. REFER TO LOADING TABLE ON STR-49500 FOR LOADING SCHEDULE

PL # DENOTES GENERAL POINT LOAD. REFER TO LOADING TABLE ON STR-49500 FOR LOADING SCHEDULE

?? + ?? INDICATES GENERAL AREA LOADS S.D.L. + L.L. (IN kPa)

LOADING NOTES:

- ALL LIFT LOBBIES, CORRIDORS AND STAIRS S.D.L. = 1kPa LL = 4kPa U.N.O.
- S.D.L. MAKES NO ALLOWANCE FOR BLOCKWORK WALLS, HOBS, TOPPING SLABS AND FAÇADE ETC. LOADS FROM THESE ELEMENTS TO BE ADDED TO S.D.L.
- L.L. VALUES INCORPORATE LIVE LOAD REDUCTION FACTOR. NO FURTHER L.L. REDUCTION APPLICABLE TO COLUMNS AND WALLS.
- LINE LOADS AND MOMENTS FOR BALSTRADES AND FAÇADE NOT INCLUDED ON LOADING DIAGRAMS. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT AND TO FAÇADE ENGINEER DETAILS FOR ALL LOADS
- FOR ALL CONSTRUCTION LOADING REFER TO DRG-STR-49701, DRG-STR-50101 AND DRG-STR-50101
- NO LOADS FOR RETAINING WALLS SHOWN ON LOADING DIAGRAMS. FLOOR PLATE DESIGNER TO CONSIDER ALL MOMENTS AND LINE LOADS FROM RETAINING WALLS IN DESIGN
- FAÇADE HANGING WALLS REFER TO DRG-STR-00580 TO DRG-STR-00582 FOR DETAILS AND EXTENT WALLS ARE HUNG FROM SLAB OVER LOADS ARE NOT SHOWN ON LOADING DIAGRAMS.
- ALL SOIL DEPTHS ARE MAXIMUMS AND INCLUDE ALL SOIL LAYERS AND DRAINAGE MEDIUMS.

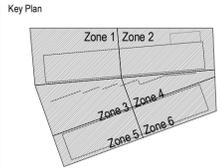
CARPARK - LOADING DIAGRAM

SCALE: 1 : 250

REFER TO DRAWINGS ST-00101 & ST-00102 FOR GENERAL NOTES

Recent revision history

#	Description	Date	Notes
1	Issued For Information	29.05.20	
2	Issued For Information 50% Design Development	05.06.20	
3	50% DD Updates	19.06.20	
4	75% Documentation Issue	08.07.20	
5	For Crown Certificate	23.07.20	



Contractor

Project
MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT

Client
NSW GOVERNMENT Education School Infrastructure

Issuer
enstruct
enstruct group pty ltd
Level 4, 2 Glen Street, Milsons Point NSW 2061
Telephone (02) 8904 1444
http://www.enstruct.com.au

Project number
5645

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Sheet size
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Scale
As indicated

Sheet title
CARPARK - LOADING DIAGRAM

Sheet number
MSP-EN-ST-49800

Revision
5

Status
FOR CROWN CERTIFICATE



- LEGEND**
- SITE BOUNDARY
 - PRECINCT BOUNDARY
 - - - EASEMENT

- LEGEND**
- AWC ACCESSIBLE TOILET
 - FWC FEMALE TOILET
 - MWC MALE TOILET
 - CAR ADV CAREER ADVISOR
 - CIRC CIRCULATION
 - CLN CLEANERS STORE
 - COLA COVERED OUTDOOR LEARNING AREA
 - DP DEPUTY PRINCIPAL
 - EOT END OF TRIP
 - GLS GENERAL LEARNING SPACE
 - HS HIGH SCHOOL
 - IE INTENSIVE ENGLISH
 - M MATERIAL TECHNOLOGIES
 - PS PRIMARY SCHOOL
 - SCI SCIENCE
 - SLS SHARED LEARNING SPACE
 - SMNR SEMINAR
 - SNR SENIOR LEARNING UNIT
 - SP SPECIAL PROGRAM
 - STR STORE
 - VA VISUAL ARTS
 - WD WITHDRAWAL ROOM

Recent revision history

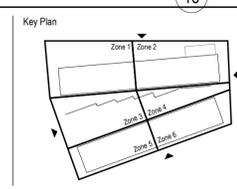
#	Status	Description	Date
5	Preliminary	Preliminary Issue	22/05/20
6	Preliminary	Preliminary Issue	23/05/20
7	Preliminary	Issued for 50% DD	05/06/20
8	Preliminary	Issued Weekly Progress	19/06/20
9	Preliminary	Progress Issue	26/06/20
10	For Information	DD Progress Issue	03/07/20
11	Preliminary	DD Progress Issue	10/07/20
12	For Information	75% DD Issue	14/07/20
13	For Information	For Construction Certificate	23/07/20
14	For Information	For Crown Certificate	23/07/20

Notes

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Contractor must verify all dimensions on site before commencing work or preparing shop drawings.

Do not scale drawings.



Project
MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT

Client
SCHOOL INFRASTRUCTURE NSW

Issuer
WOODS BAGOT

Project number
121394

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CS

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GS

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25mm

Sheet size
A1

Scale
As indicated

Sheet title
CAR PARK LEVEL FLOOR PLAN

Sheet number
MSP-WB-AR-12020

Revision
14

Status
FOR CROWN CERTIFICATE

CONCRETE SETOUT LEGEND

- CE-01 CONCRETE SLAB ON GROUND
- CE-02 CONCRETE SUSPENDED SLAB
- CE-05 CONCRETE COLUMN
- CE-06 CONCRETE WALL
- CE-10 CONCRETE RETAINING WALL
- CE-11 AFS CONCRETE WALL
- CE-12 CONCRETE VEHICULAR RAMP
- CE-13 CONCRETE STAIR
- CE-14 STAIRMASTER CONCRETE STAIR
- CE-15 CONCRETE LANDSCAPE SEATING

- CONCRETE SET DOWN 50mm
- CONCRETE SET DOWN 100mm
- CONCRETE SET DOWN FOR MODWOOD (82mm)
- WATERPROOFING STRATEGY UNDER REVIEW
- HYDRAULIC RISER
- PENETRATION

- TOH TOP OF HOB
- TOW TOP OF WALL

- PERMANENT MOVEMENT JOINT
- CONCRETE HIGH POINT
- STRIP DRAIN LOCATIONS
- CONCRETE WALL OVER
- SEWER LINE
- BOUNDARY

- FALL DIRECTION OF FALL
- STEP IN SLAB
- 500 X 500 X 500 SLAB THICKENING

- NOTES:**
- ALL EXPOSED CONCRETE TO BE CLASS 2 FINISH
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 - REFER TO HYDRAULIC DRAWINGS FOR OUTLETS
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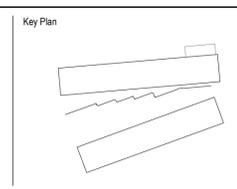
#	Status	Description	Date
1	Preliminary	Preliminary Issue	09/05/20
2	Preliminary	Preliminary Issue	15/05/20
3	Preliminary	Preliminary Issue	29/05/20
4	Preliminary	Issued for 50% DD	05/06/20
5	For Information	DD Progress Issue	03/07/20
6	For Information	75% DD Issue	14/07/20
7	For Information	For Construction Certificate	20/07/20
8	For Information	For Crown Certificate	23/07/20

Notes

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Project
MEADOWBANK EDUCATION AND EMPLOYMENT PRECINCT SCHOOLS PROJECT

Client
SCHOOL INFRASTRUCTURE NSW

Issuer
WOODS BAGOT

Project number
121394

Checked
Checker

Approved
Approver

Size check
25mm

Sheet size
A1

Scale
1:250

Sheet title
STRUCTURAL SETOUT - CAR PARK LEVEL - OVERALL

Sheet number
MSP-WB-AR-21020

Revision
8

Status
FOR CROWN CERTIFICATE

CONCRETE SETOUT LEGEND

- CE-01 CONCRETE SLAB ON GROUND
- CE-02 CONCRETE SUSPENDED SLAB
- CE-05 CONCRETE COLUMN
- CE-06 CONCRETE WALL
- CE-10 CONCRETE RETAINING WALL
- CE-11 AFS CONCRETE WALL
- CE-12 CONCRETE VEHICULAR RAMP
- CE-13 CONCRETE STAIR
- CE-14 STAIRMASTER CONCRETE STAIR
- CE-15 CONCRETE LANDSCAPE SEATING

- CONCRETE SET DOWN 50mm
- CONCRETE SET DOWN 100mm
- CONCRETE SET DOWN FOR MODWOOD (82mm)
- WATERPROOFING STRATEGY UNDER REVIEW
- HYDRAULIC RISER
- PENETRATION
- TOH TOP OF HOB
- TOW TOP OF WALL
- PERMANENT MOVEMENT JOINT
- CONCRETE HIGH POINT
- STRIP DRAIN LOCATIONS
- CONCRETE WALL OVER
- SEWER LINE
- BOUNDARY
- FALL DIRECTION OF FALL
- STEP IN SLAB
- 500 X 500 X 500 SLAB THICKENING

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EXTENT OF SLAB ON GROUND FOR CC1

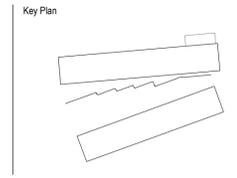
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25mm

Sheet size
A1

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1:250

Sheet title
STRUCTURAL SETOUT - PLAYGROUND - OVERALL

Sheet number
MSP-WB-AR-21010

Revision
8

Status
FOR CROWN CERTIFICATE

CONCRETE SETOUT LEGEND

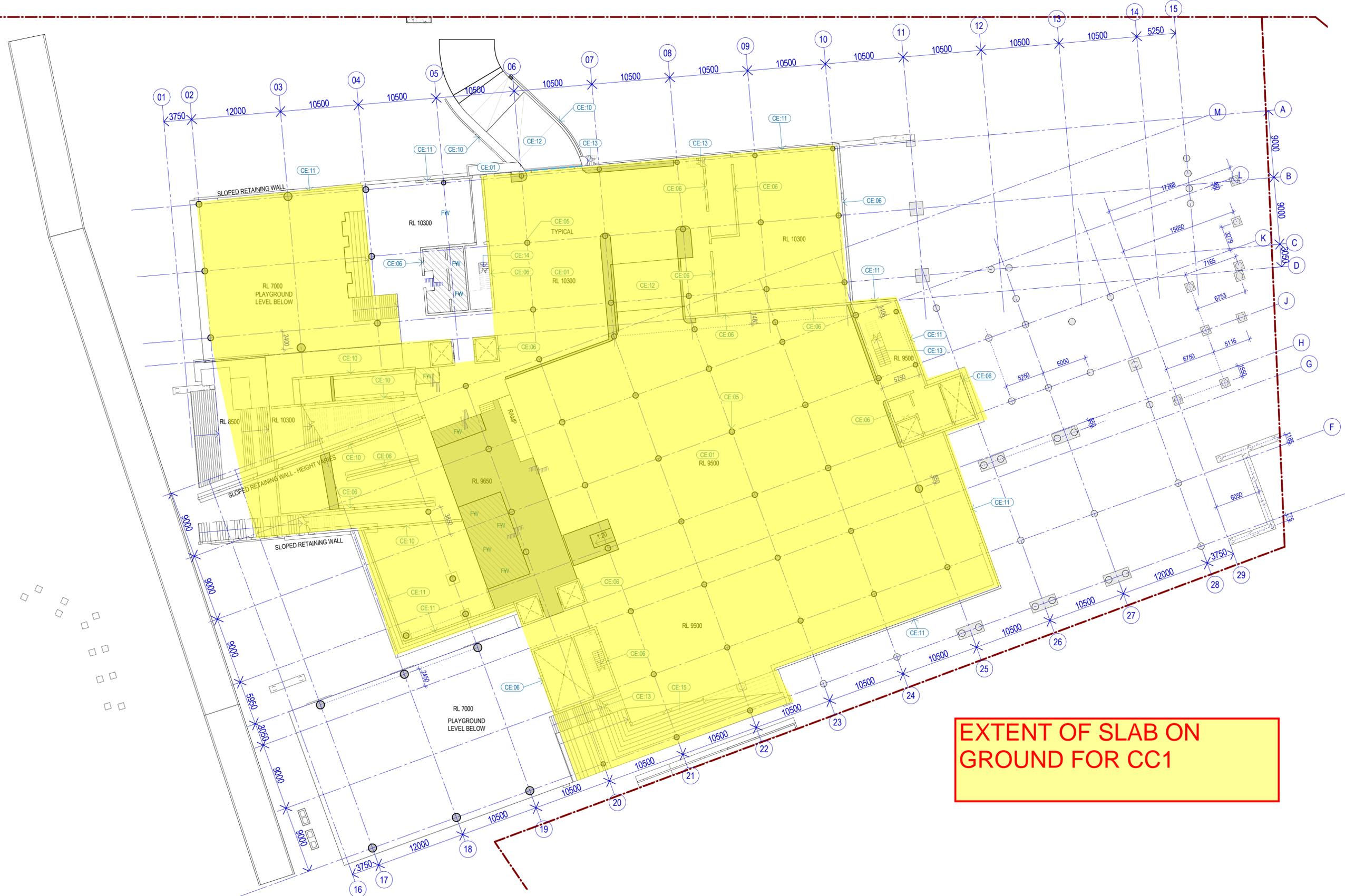
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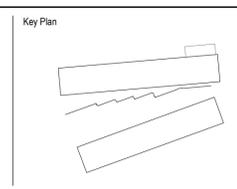
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Revision
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Status
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