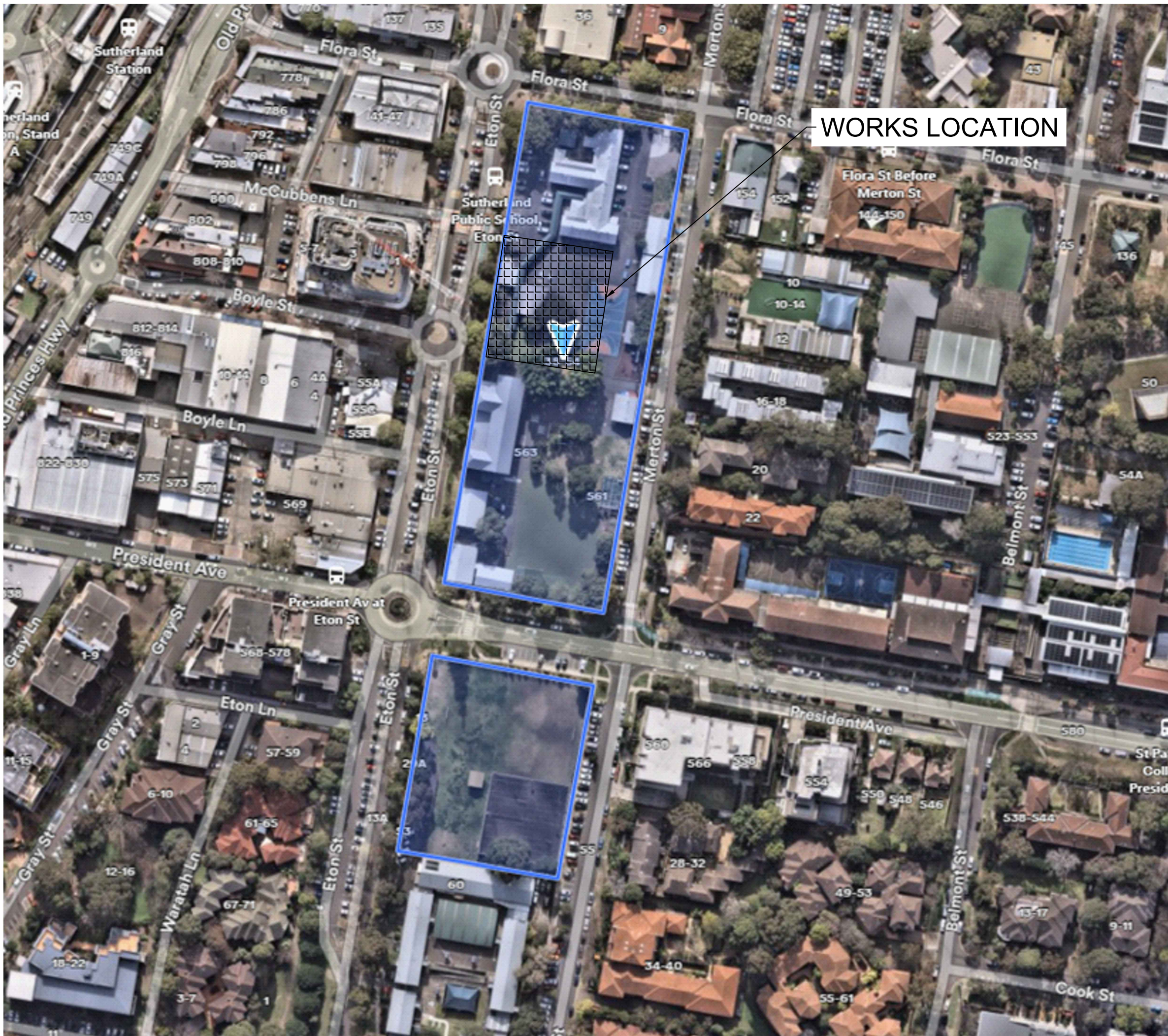


enstruct

CIVIL ENGINEERING WORKS

SUTHERLAND PUBLIC SCHOOL - NEW HALL

SCHEMATIC DESIGN DRAWINGS



LOCALITY PLAN
N.T.S.

CIVIL ENGINEERING WORKS DRAWING LIST:

- CV-0000COVER SHEET AND LOCALITY PLAN
- CV-0001NOTES SHEET
- CV-1001SEDIMENT AND EROSION PLAN
- CV-1051SEDIMENT AND EROSION DETAILS
- CV-2001BULK EARTHWORKS PLAN
- CV-3001SITEWORKS PLAN
- CV-4001STORMWATER PLAN
- CV-4050STORMWATER DETAILS

Date generated 13/12/2024 2:33:04 PM I:\PROJECTS\SAU214113\SPS\SPS214113-SPS-CV-0001

TO BE PRINTED IN FULL COLOUR

NOT FOR CONSTRUCTION

01	13/12/24	ISSUED FOR SCHEMATIC DESIGN	JP	PL	
rev	date	description	dm	ch/k	

rev	date	description	dm	ch/k	

PROPOSER



enstruct group pty ltd

Level 4, 2 Glen Street
Mills Point NSW 2061
Australia

Telephone (02) 8904 1444
Facsimile (02) 8904 1555
www.enstruct.com.au

enstruct

project

SUTHERLAND PUBLIC
SCHOOL HALL UPGRADE

drawing title

COVER SHEET AND
LOCALITY PLAN

status

SCHEMATIC DESIGN

scale at A1
N.T.S.

drawn
ALA

checked
TAH

approved
Dec-24

project no.
PS214113

sheet
PS214113-SPS-CV-0000

rev.
01

GENERAL NOTES

- Contractor must verify all dimensions and existing levels on site prior to commencement of works. Any discrepancies to be reported to the Engineer.
- Strip all topsoil from the construction area. All stripped topsoil shall be disposed of off-site unless directed otherwise.
- Make smooth connection with all existing works.
- Compact subgrade under buildings and pavements to minimum 98% standard maximum dry density in accordance with AS 1289 5.1.1. Compaction under buildings to extend 2m minimum beyond building footprint.
- All work on public property, property which is to become public property, or any work which is to come under the control of the Statutory Authority; the Contractor is to ensure that the drawings used for construction have been approved by all relevant authorities prior to commencement site.
- All work on public property, property which is to become public property, or any work which is to come under the control of the Statutory Authority is to be carried out in accordance with the requirements of the relevant Authority. The Contractor shall obtain these requirements from the Authority. Where the requirements of the Authority are different to the drawings and specifications, the requirements of the Authority shall be applicable.
- For all temporary batters refer to geotechnical recommendations.
- The approval of a substation shall be sought from the superintendent but is not an authorisation of a cost variation. The superintendent must approve any cost variation before any work starts.

REFERENCE DRAWINGS

- These drawings have been based from, and to be read in conjunction with the following Consultants drawings. Any conflict to the drawings must be notified immediately to the Engineer.

Consultant	Dwg Title	Dwg No	Rev	Date
BKA Architecture	Ground Floor lan	A-110 Modification	xx	xxx

KERBING NOTES

Includes all kerbs, gutters, dish drains, crossings and edges.

- All kerbs, gutters, dish drains and crossings to be constructed on minimum 75mm granular basecourse compacted to minimum 98% modified maximum dry density in accordance with AS 1289 5.2.1.
- Expansion joints (EJ) to be formed from 10mm compressible cork filler board for the full depth of the section and cut to profile. Expansion joints to be located at drainage pits, on tangent points of curves and elsewhere at 12m centres except for integral kerbs where the expansion joints are to match the joint locations in slabs.
- Weakened plane joints to be min 3mm wide and located at 3m centres except for integral kerbs where weakened plane joints are to match the joint locations in slabs.
- Broomed finished to all ramped and vehicular crossings, all other kerbing or dish drains to be steel float finished.
- In the replacement of kerbs - Existing road pavement is to be sawcut 900mm from: Lip of gutter, invert of kerb, or edge of dish drain. Upon completion of new kerbs, new basecourse and surface is to be laid 900mm wide to match existing materials and thicknesses.
- Existing allotment drainage pipes are to be built into the new kerb with a 100mm dia hole.
- Existing kerbs are to be completely removed where new kerbs are shown.

DBYD SERVICES NOTE

"Public Service Utility information shown on plan has been compiled from information received from Dial Before You Dig inquiry, reference Number 36856679, which was obtained on 05/02/2024. Unless specifically shown otherwise, this location and depth of services shown on this plan have not been verified.

The location of services shown on this drawing have been plotted as accurately as possible from diagrams provided by service authorities and should be confirmed by site inspection."

BOUNDARY AND EASEMENTS NOTE

The property boundary and easements locations shown on enstruct drawing's have been based from information received from site survey.
Enstruct makes no guarantees that the boundary or easement information shown is correct. enstruct will accept no liabilities for boundary inaccuracies. The contractor/builder is advised to check/confirm all boundaries in relation to all proposed work prior to the commencement of construction. Boundary inaccuracies found are to be reported to the superintendent prior to construction starting.

CONCRETE FINISHING NOTES

- All exposed concrete pavements are to be broomed finished.
- All edges of the concrete pavement including keyed and dowelled joints are to be finished with an edging tool.
- Concrete pavements with grades greater than 10 % shall be heavily broomed finished.
- Carborundum to be added to all stair treads and ramped crossings U.N.O.

REINFORCEMENT NOTES

- Fix reinforcement as shown on drawings. The type and grade is indicated by a symbol as shown below. On the drawings this is followed by a numeral which indicates the size in millimetres of the reinforcement.
N. Hot rolled ribbed bar grade D500N
R. Plain round bar grade R250N
SL. Square mesh grade 500L
RL. Rectangular mesh grade 500L
- Provide bar supports or spacers to give the following concrete cover to all reinforcement unless otherwise noted on drawings.

Footings - 50 top, 50 bottom, 50 sides.

- Walls
- 40 generally.
 - 40 when cast in forms but later exposed to weather or ground.
 - 50 when cast directly in contact with ground.

- Cover to reinforcement ends to be 50 mm u.n.o.
- Provide N12-450 support bars to top reinforcement as required, Lap 500 U.N.O.
- Maintain cover to all pipes, conduits, reglets, drip grooves etc
- All cogs to be standard cogs unless noted otherwise.
- Fabric end and side laps are to be placed strictly in accordance with the manufacturers requirements to achieve a full tensile lap. Fabric shall be laid so that there is a maximum of 3 layers at any location.

FABRIC LAPS

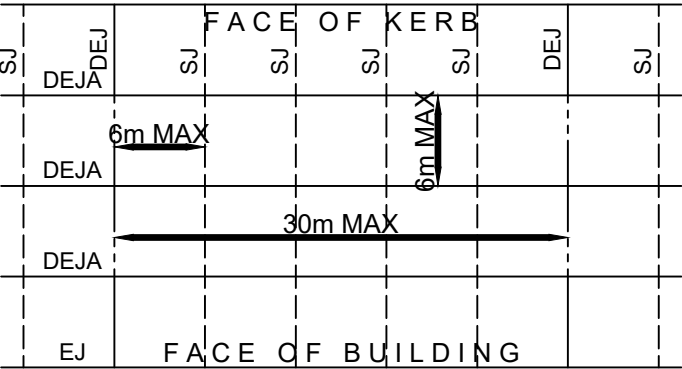
25

- Laps in reinforcement shall be made only where shown on the drawings unless otherwise approved. Lap lengths as per table below.

JOINTING NOTES

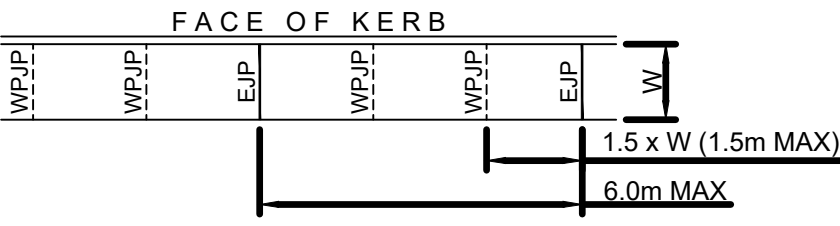
Vehicular Pavement Jointing

- All vehicular pavements to be jointed as shown on drawings.
- Keyed construction joints should generally be located at a maximum of 6m centres.
- Sawn joints should generally be located at a maximum of 6m centres or 1.5 x the spacing of keyed joints, where key joint spacing is less than 4m, with dowelled expansion joints at maximum of 30m centres.
- Provide 10mm wide full depth expansion joints between buildings and all concrete or unit pavers.
- The timing of the saw cut is to be confirmed by the contractor on site. Site conditions will determine how many hours after the concrete pour before the saw cuts are commenced.
- Vehicular pavement jointing as follows.



Pedestrian Footpath Jointing

- Expansion joints are to be located where possible at tangent points of curves and elsewhere at max 6.0m centres.
- Weakened plane joints are to be located at a max 1.5 x width of the pavement.
- Where possible joints should be located to match kerbing and / or adjacent pavement joints.
- All pedestrian footpath jointings as follows (uno).



PUBLIC DOMAIN NOTE

These plans are awaiting final approval from the authority regarding these public works. Public domain works are not to commence until these drawings are stamped as approved.

RETAINING WALLS

- Drainage shall be provided as shown on the drainage drawings.
- Backfilling shall be carried out after grout or concrete has reached a minimum strength of 0.85 f_c. Backfilling shall be approved granular material compacted in layers not exceeding 200mm to 95% Standard compaction unless noted otherwise.
- Provide waterproofing to back of walls as specified or noted.
- Where retaining walls rely on connecting structural elements for stability, do not backfill against the wall unless it is adequately propped or the elements have been constructed and have sufficient strength to withstand the loads.
- For all temporary batters obtain geotechnical engineers recommendations.

SURVEY AND SERVICES INFORMATION

SURVEY

Origin of levels : CONTACT THE SURVEYOR
Datum of levels : AHD
Coordinate system : MGA2020
Survey prepared by : Astrea
Setout Points : CONTACT THE SURVEYOR
Lot and DP : 1-10, DP6600; 5-9 Section 45 DP802

enstruct does not guarantee that the survey information shown on these drawings is accurate and will accept no liability for any inaccuracies in the survey information provided to us from any cause whatsoever.

UNDERGROUND SERVICES - WARNING

The locations of underground services shown on enstruct drawings have been plotted from diagrams provided by service authorities. This information has been prepared solely for the authorities own use and may not necessarily be updated or accurate.

The position of services as recorded by the authority at the time of installation may not reflect changes in the physical environment subsequent to installation.

enstruct does not guarantee that the services information shown on these drawings shows more than the presence or absence of services, and will accept no liability for inaccuracies in the services information shown from any cause whatsoever.

The Contractor must confirm the exact location and extent of services prior to construction and notify any conflict with the drawings immediately to the Engineer/Superintendent.

The contractor is to get approval from the relevant state survey department, to remove/adjust any survey mark. This includes but is not limited to; State Survey Marks (SSM), Permanent Marks (PM), cadastral reference marks or any other survey mark which is to be removed or adjusted in any way.

enstruct plans do not indicate the presence of any survey mark. The contractor is to undertake their own search.

STORMWATER DRAINAGE NOTES

- Stormwater Design Criteria :
(A) Average recurrence interval -
1% AEP for roof drainage to first external pit
5% AEP years for paved and landscaped areas
(B) Rainfall intensities -
Time of concentration: 5 minutes
1% AEP = 228 mm/hr
5% AEP = 178.8 mm/hr
(C) Rainfall losses -
Impervious areas:
Pervious areas: IL = 1.0 mm , CL = 0 mm/hr
Landscaped areas: IL= 32.0 mm , CL = 0.84 mm/hr
- Pipes 300 dia and larger to be reinforced concrete Class "2" approved spigot and socket with rubber ring joints U.N.O. Pipes in public roadways (including public domain) to be class 4 reinforced concrete.
- Pipes up to 300 dia may be sewer grade uPVC with solvent welded joints, subject to approval by the engineer.
- Equivalent strength FRP pipes may be used subject to approval.
- Pits in roadways (including public domain) are to be insitu to council details.
- Enlargers, connections and junctions to be Manufactured fittings where pipes are less than 300 dia.
- Where subsoil drains pass under floor slabs and vehicular pavements, unslotted uPVC sewer grade pipe is to be used.
- Grates and covers shall conform with AS 3996-2006, and AS 1428.1 for access requirements.
- Pipes are to be installed in accordance with AS 3725. All bedding to be type H2 U.N.O.
- Care is to be taken with invert levels of stormwater lines. Grades shown are not to be reduced without approval.
- All downpipe connections area to be 150mm DIA or the same size as the downpipe (whichever is larger) laid at 1% minimum fall connection to the nearest pit. Minimum cover 450mm in landscaped areas.
- Subsoil drains to be slotted flexible uPVC U.N.O.
- Adopt invert levels for pipe installation (grades shown are only nominal).

STORMWATER PIT SCHEDULE

Note: Grate size does not necessarily reflect pit size, refer pit type details, shovly on detail sheets - CV-4050
Final internal pit dimensions are to comply with AS3500

Type	Description	Size	Class	Water Quality	Material	Number
A	Proposed Surface inlet pit	900x900	B	-	Heelsafe galvanised mild steel grate hinged to frame	1, 13
B	Proposed Surface inlet pit	900x900	B	-	Sealed infill galvanised mild still cover and frame	12
C	Proposed Surface inlet pit	900x900	D	-	Heelsafe galvanised mild steel grate hinged to frame	17
D	Access to OSD tank	900x900	B	-	Heelsafe galvanised mild steel grate hinged to frame	14,15
E	Proposed Surface inlet pit	900x600	B	Litter basket	Heelsafe galvanised mild steel grate hinged to frame	2, 3, 4, 5, 6, 9
F	Proposed Surface inlet pit	900x600	B	-	Heelsafe galvanised mild steel grate hinged to frame	11
G	Proposed Surface inlet pit	600x600	B	Litter basket	Heelsafe galvanised mild steel grate hinged to frame	16
H	Proposed Surface inlet pit	600x600	B	-	Heelsafe galvanised mild steel grate hinged to frame	8,10
J	Existing pit to remain					7

TO BE PRINTED IN FULL COLOUR

NOT FOR CONSTRUCTION

01	13/12/24	FOR SCHEMATIC DESIGN	PL	PL	
rev	date	description	dm	ch/k	

rev	date	description	dm	ch/k	

PROPOSER



enstruct group pty ltd

Level 4, 2 Glen Street
Milsons Point NSW 2061
Australia

Telephone (02) 8904 1444
Facsimile (02) 8904 1555
www.enstruct.com.au



project

SUTHERLAND PUBLIC SCHOOL HALL UPGRADE

drawing title

GENERAL NOTES

status

SCHEMATIC DESIGN

scale at A1
N.T.S

drawn
ALA

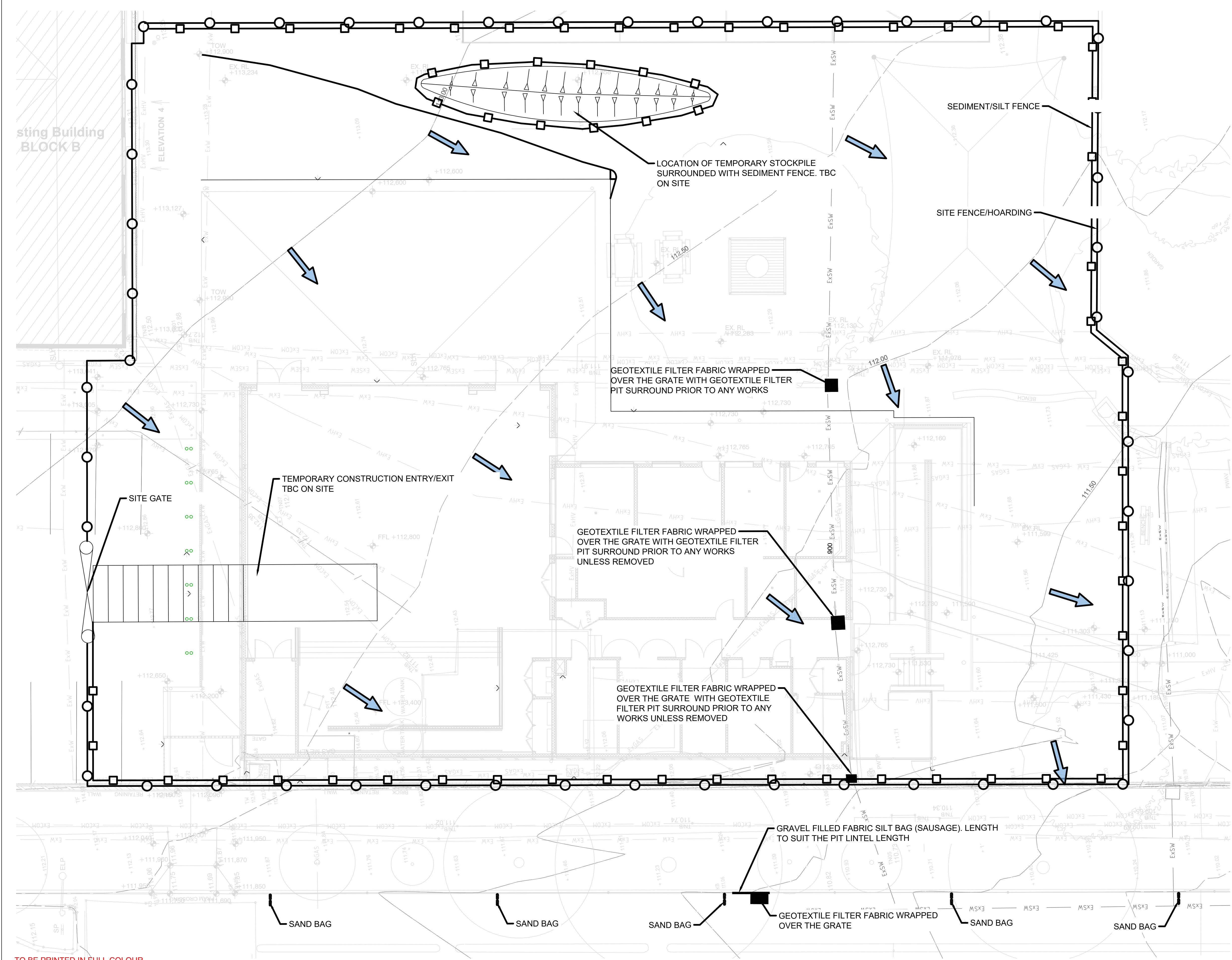
checked
TAH

approved
Oct-24

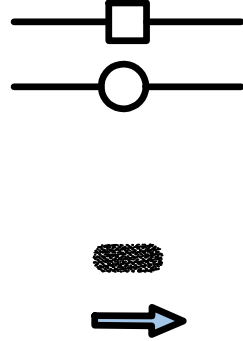
project no.
PS214113

sheet
PS214113-SPS-CV-0001

rev.
01



EROSION AND SEDIMENT CONTROL LEGEND



EROSION AND SEDIMENT CONTROL NOTES

- All work shall be generally carried out in accordance with
(A) Local authority requirements,
(B) EPA - Pollution control manual for urban stormwater,
(C) LANDCOM NSW - Managing Urban Stormwater: Soils and Construction ("Blue Book").
- Erosion and sediment control drawings and notes are provided for the whole of the works. Should the Contractor stage these works then the design may be required to be modified.
The erosion and sediment control plan shall be implemented and adapted to meet the varying situations as work on site progresses.
- Maintain all erosion and sediment control devices to the satisfaction of the superintendent and the local authority.
- When stormwater pits are constructed prevent site runoff entering the pits unless silt fences are erected around pits.
- Minimise the area of site being disturbed at any one time.
- Protect all stockpiles of materials from scour and erosion. Do not stockpile loose material in roadways, near drainage pits or in watercourses.
- All soil and water control measures are to be put back in place at the end of each working day, and modified to best suit site conditions.
- Control water from upstream of the site such that it does not enter the disturbed site.
- All construction vehicles shall enter and exit the site via the temporary construction entry/exit.
- All vehicles leaving the site shall be cleaned and inspected before leaving.
- Maintain all stormwater pipes and pits clear of debris and sediment. Inspect stormwater system and clean out after each storm event.
- Clean out all erosion and sediment control devices after each storm event.

Sequence Of Works

- Prior to commencement of excavation the following soil management devices must be installed:
 - Construct silt fences below the site and across all potential runoff sites.
 - Construct temporary construction entry/exit and divert runoff to suitable control systems.
 - Construct measures to divert upstream clean flows into existing stormwater system.
 - Construct sedimentation traps/basin (if any) including outlet control and overflow; otherwise allocate a place for the runoff and temporary sediment storage.
 - Construct turf lined swales.
 - Provide sandbag sediment traps upstream of existing pits.
- Construct geotextile filter pit surround around all existing pits and proposed pits as they are constructed.
- On completion of pavement provide sand bag kerb inlet sediment traps around pits.
- Provide and maintain a strip of turf on both sides of all roads after the construction of kerbs.

WATER QUALITY TESTING REQUIREMENTS

Prior to discharge of site stormwater, groundwater and seepage water into council's stormwater system, contractors must undertake water quality tests in conjunction with a suitably qualified environment consultant outlining the following:

- Compliance with the criteria of the Australian and New Zealand Guidelines for Fresh and Marine Water Quality (2000)
- If required subject to the environmental consultants advice, provide remedial measures to improve the quality of water that is to be discharged into Councils storm water drainage system. This should include comments from a suitably qualified environmental consultant confirming the suitability of these remedial measures to manage the water discharged from the site into Councils storm water drainage system. Outlining the proposed, ongoing monitoring, contingency plans and validation program that will be in place to continually monitor the quality of water discharged from this site. This should outline the frequency of water quality testing that will be undertaken by a suitably qualified environmental consultant.



SERVICE CLASHES
CONTRACTOR TO REFER TO SERVICES DOCUMENTATION AND LIAISE WITH THE RELEVANT AUTHORITY TO MITIGATE ANY SERVICE CLASHES WITH THE PROPOSED WORKS.

WARNING
BEWARE OF UNDERGROUND SERVICES.
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE BY CIVIL CONTRACTOR PRIOR TO CONSTRUCTION OF ANY CIVIL WORKS. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

NOT FOR CONSTRUCTION

rev	date	description	dm	ch/k
01	13/12/24	FOR SCHEMATIC DESIGN	PL	PL

rev	date	description	dm	ch/k

PROPOSITOR

enstruct group pty ltd

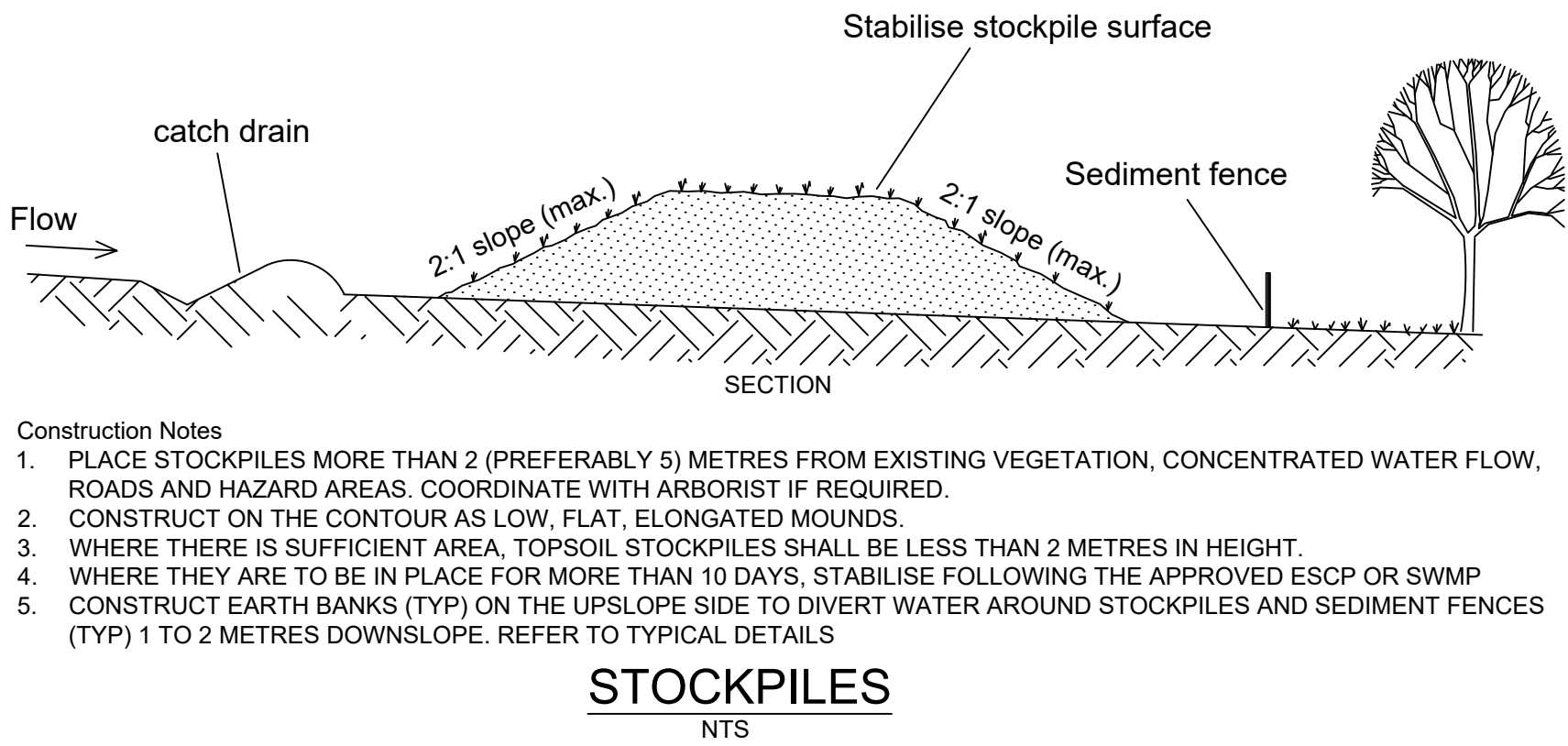
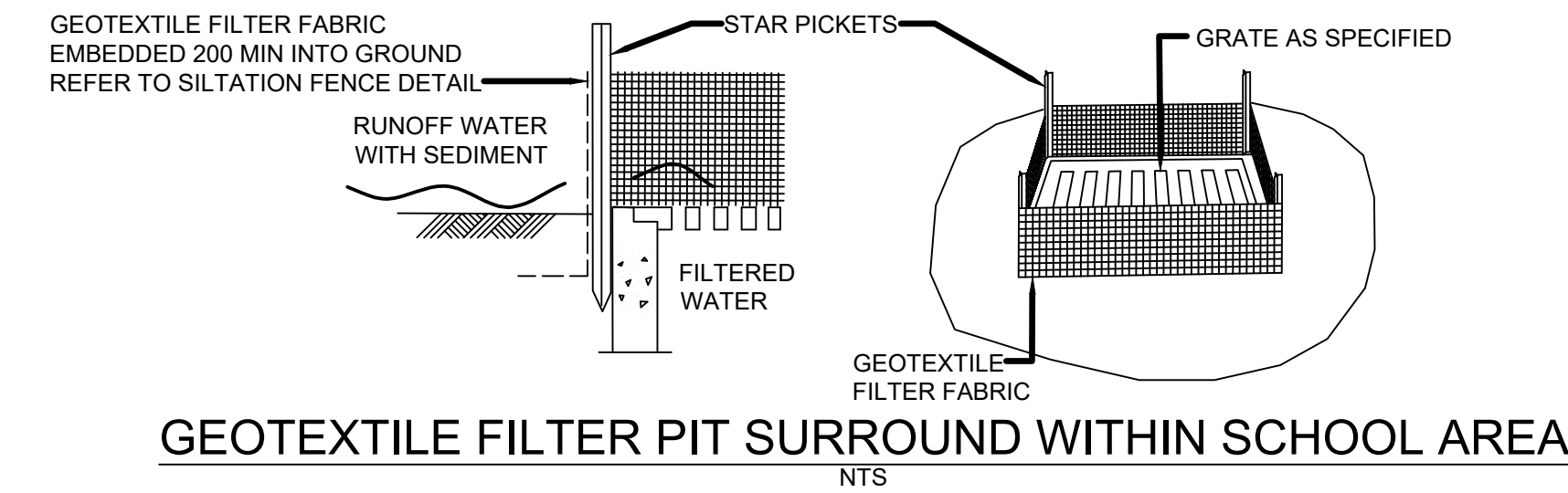
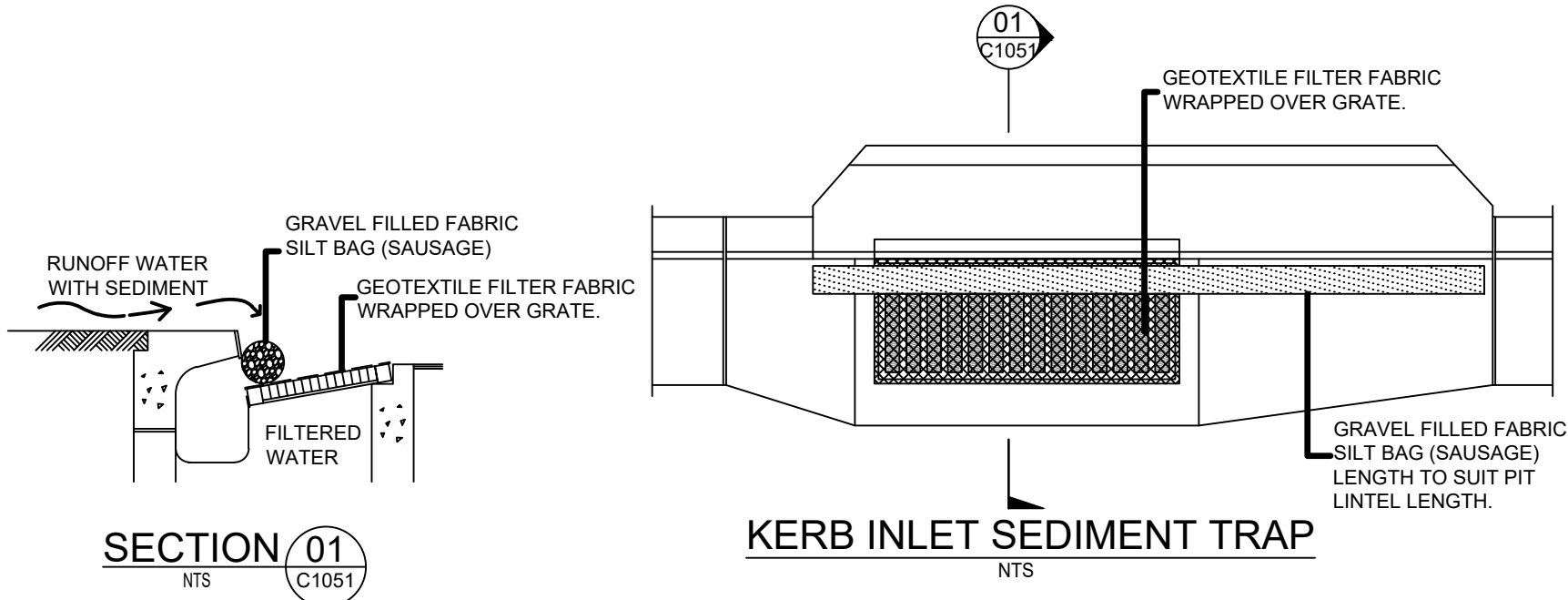
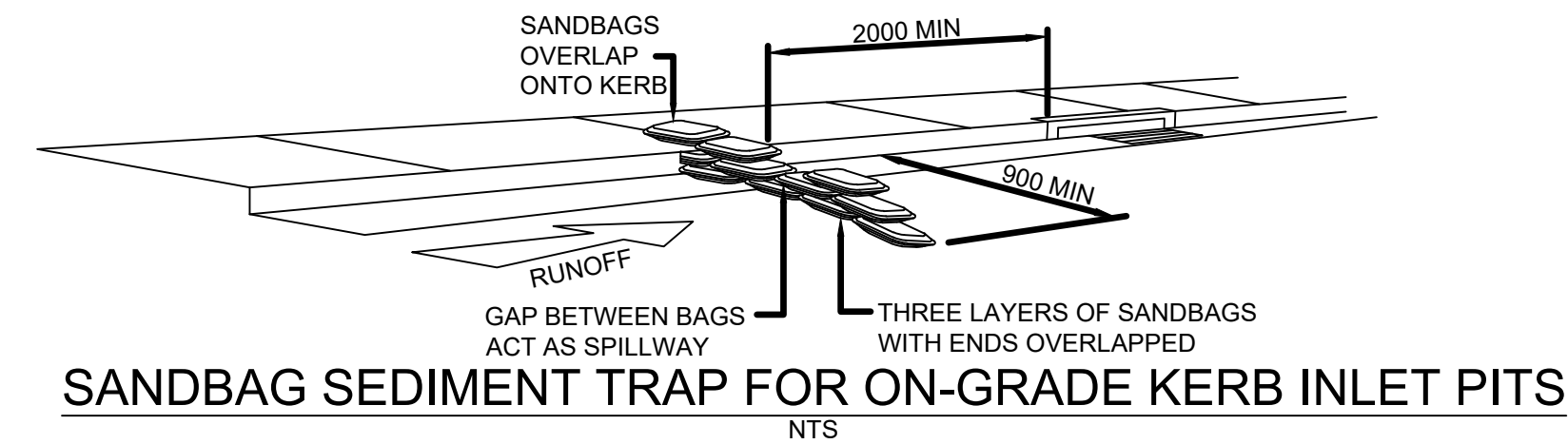
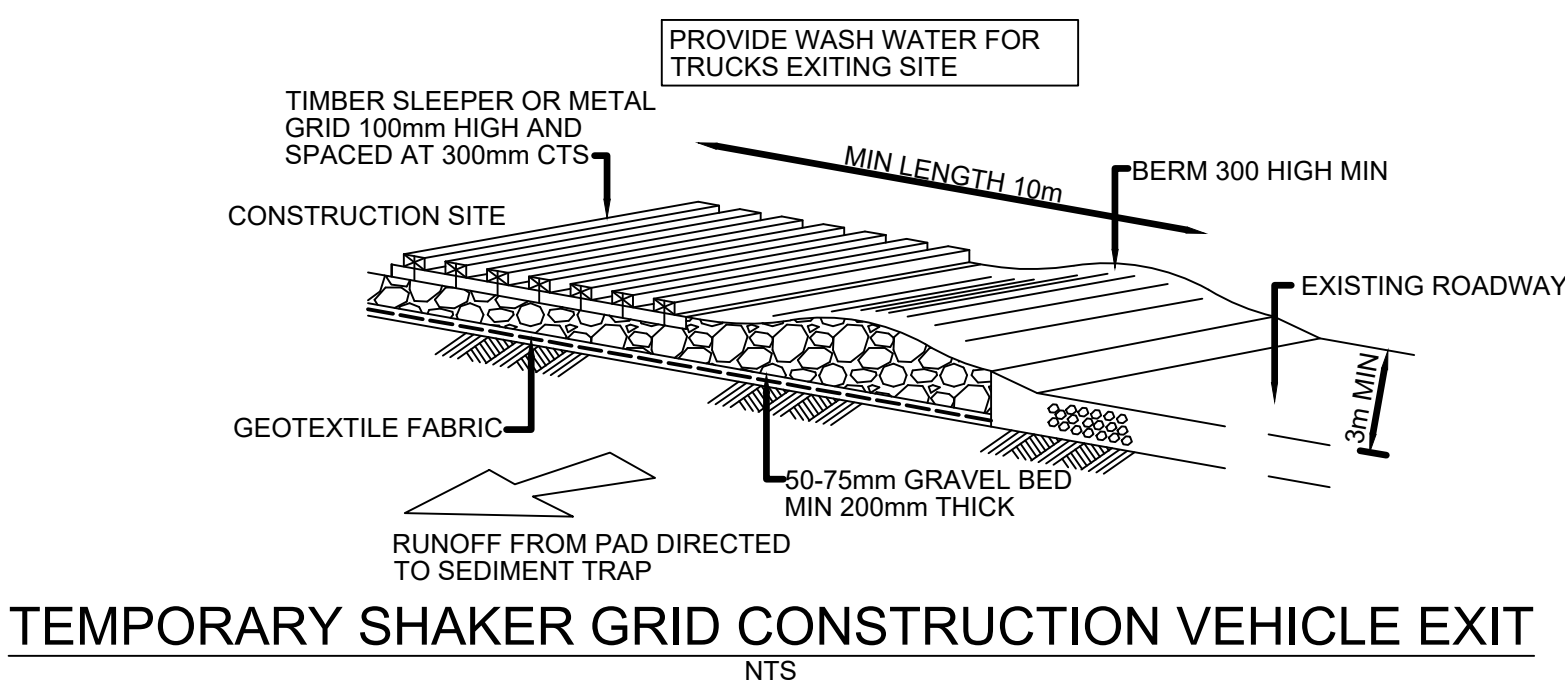
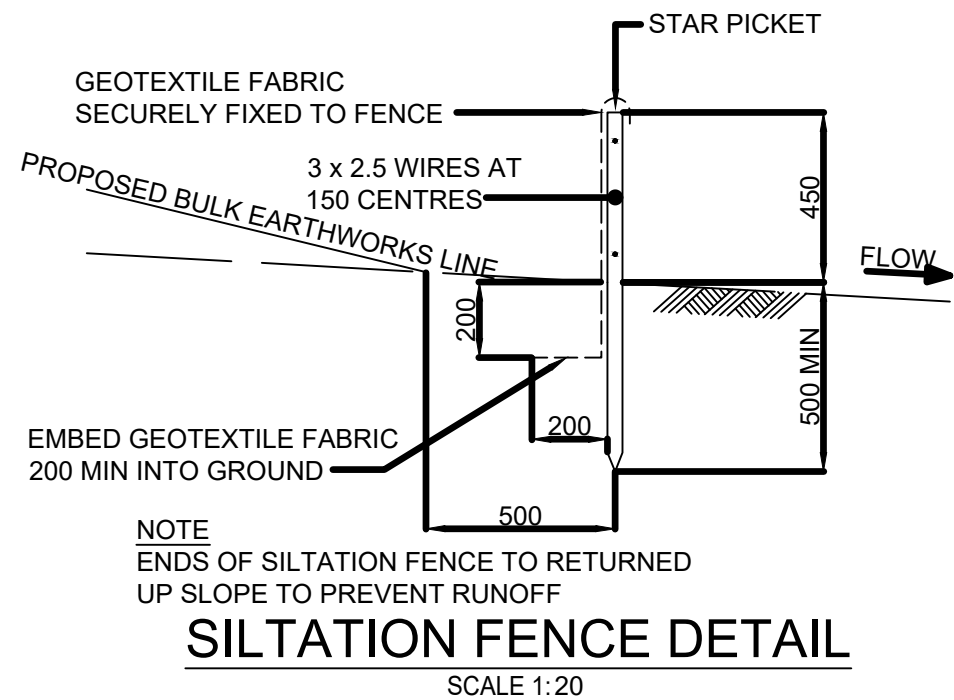
Level 4, 2 Glen Street
Milsoms Point NSW 2061
Australia

Telephone (02) 8904 1444
Facsimile (02) 8904 1555
www.enstruct.com.au

project
SUTHERLAND PUBLIC SCHOOL HALL UPGRADE

drawing title
EROSION AND SEDIMENT CONTROL PLAN

status			
SCHEMATIC DESIGN			
scale at A1 1:100	drawn ALA	checked TAH	approved Oct-24
project no. PS214113	sheet PS214113-SPS-CV-1001	rev. 01	



Date generated 13/12/2024 2:53:28 PM I:\PROJECTS\SAU2\1000214113_SNSW\6064024_SUTHERLAND\MP\BMP\PROPERTY\CV_CIVIL\DWG\PS214113-SPS-CV-1051

TO BE PRINTED IN FULL COLOUR

NOT FOR CONSTRUCTION

01	13/12/24	FOR SCHEMATIC DESIGN	PL	PL	
rev	date	description	dm	ch/k	

rev	date	description	dm	ch/k	

PROPOSITOR



enstruct group pty ltd

Level 4, 2 Glen Street
Milsons Point NSW 2061
Australia

Telephone (02) 8904 1444
Facsimile (02) 8904 1555
www.enstruct.com.au



project

SUTHERLAND PUBLIC
SCHOOL HALL UPGRADE

drawing title

EROSION AND SEDIMENT
CONTROL DETAILS

status

SCHEMATIC DESIGN

scale at A1
AS SHOWN

drawn
ALA

checked
TAH

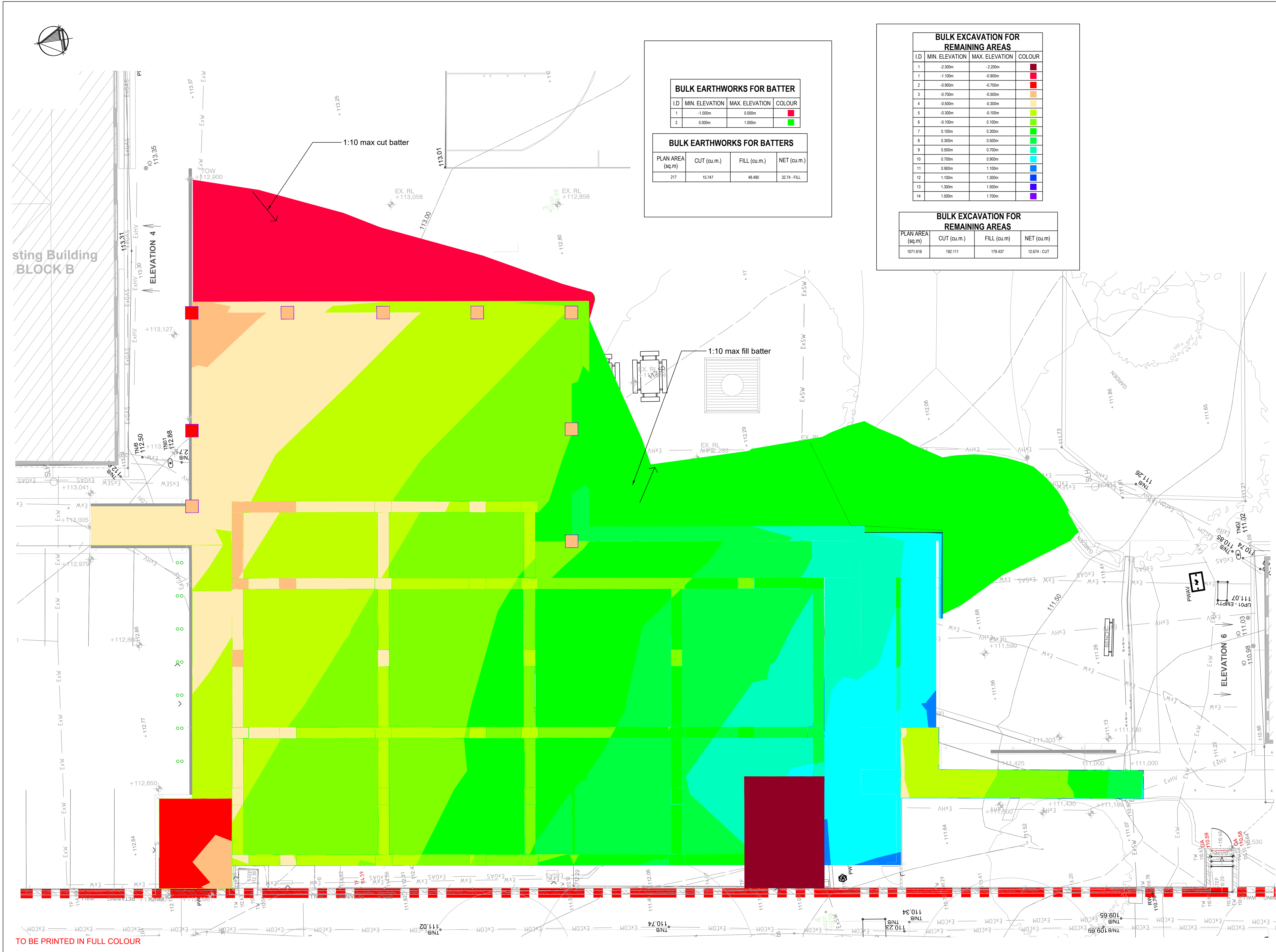
approved
Oct-24

project no.
PS214113

sheet
PS214113-SPS-CV-1051

rev.
01

Date generated: 13/02/2025 2:05:51 PM U:\PROJECTS\SAU214X002\1413_SNSW\64604_SUTHERLAND_MP\BMP\PROPERTY\CV_01\UDPS21413-SPS-CV-2001_R3



03	17/12/24	ISSUED FOR SCHEMATIC DESIGN	PL	MD	
02	13/12/24	ISSUED FOR SCHEMATIC DESIGN	PL	MD	
01	12/12/24	FOR SCHEMATIC DESIGN	PL	TAH	
rev	date	description	drm	ch/k	

rev	date	description	drm	ch/k	

PROPOSITOR

enstruct group pty ltd

Level 4, 2 Glen Street
Milsoms Point NSW 2061
Australia

Telephone (02) 8904 1444
Facsimile (02) 8904 1555
www.enstruct.com.au

PROJECT

SUTHERLAND PUBLIC
SCHOOL HALL UPGRADE

DRAWING TITLE

BULK EARTHWORKS PLAN

STATUS

SCHEMATIC DESIGN

scale at A1
1:100

drawn
JP

checked
PL

approved
DEC-24

project no.
PS214113

sheet
PS214113-SPS-CV-2001_r3

rev.
03

BULK EARTHWORKS GENERAL NOTES

- All bulk earthworks setout from grid lines U.N.O.
- (i) All permanent batter max slope of 10(H):1(V) U.N.O.
(ii) All temporary batter max slope of 4(H):1(V) U.N.O.
Batters are not to exceed Geotechnical engineer specifications.
- Excavated material may be used as structural fill provided,
(i) it complies with the specification requirements for fill material,
(ii) the placement moisture content complies with the Geotechnical Consultants requirements, and allows filling to be placed and proofrolled in accordance with the specification. Where necessary the Contractor must moisture condition the excavated material to meet these requirements.
- Compact fill areas and subgrade to not less than:

Location	Standard dry density (AS 1289 5.1.1.)	Moisture (OMC)
Under building slabs on ground:	98%	±2%
Under roads and carparks:	98%	±2%
Landscaped areas:	95%	±2%

- Before placing fill, proof roll exposed subgrade with a 10 tonne minimum roller to test subgrade and then remove soft spots (areas with more than 3mm movement under roller).
Soft spots to be replaced with GRANULAR fill U.N.O.
- Contractor to provide proof roll compaction evidence for signoff.
- Contractor shall place safety barriers around excavations in accordance with relevant safety regulations.
- For interpretation of bulk earthworks foot print line shown on the bulk earthworks drawings refer to the bulk earthworks construction legend.
- Bulk earthwork drawings are not to be used for detailed excavation.
- Refer to Geotechnical Report prepared by - Douglas Partners X

BULK EARTHWORKS MODEL NOTES

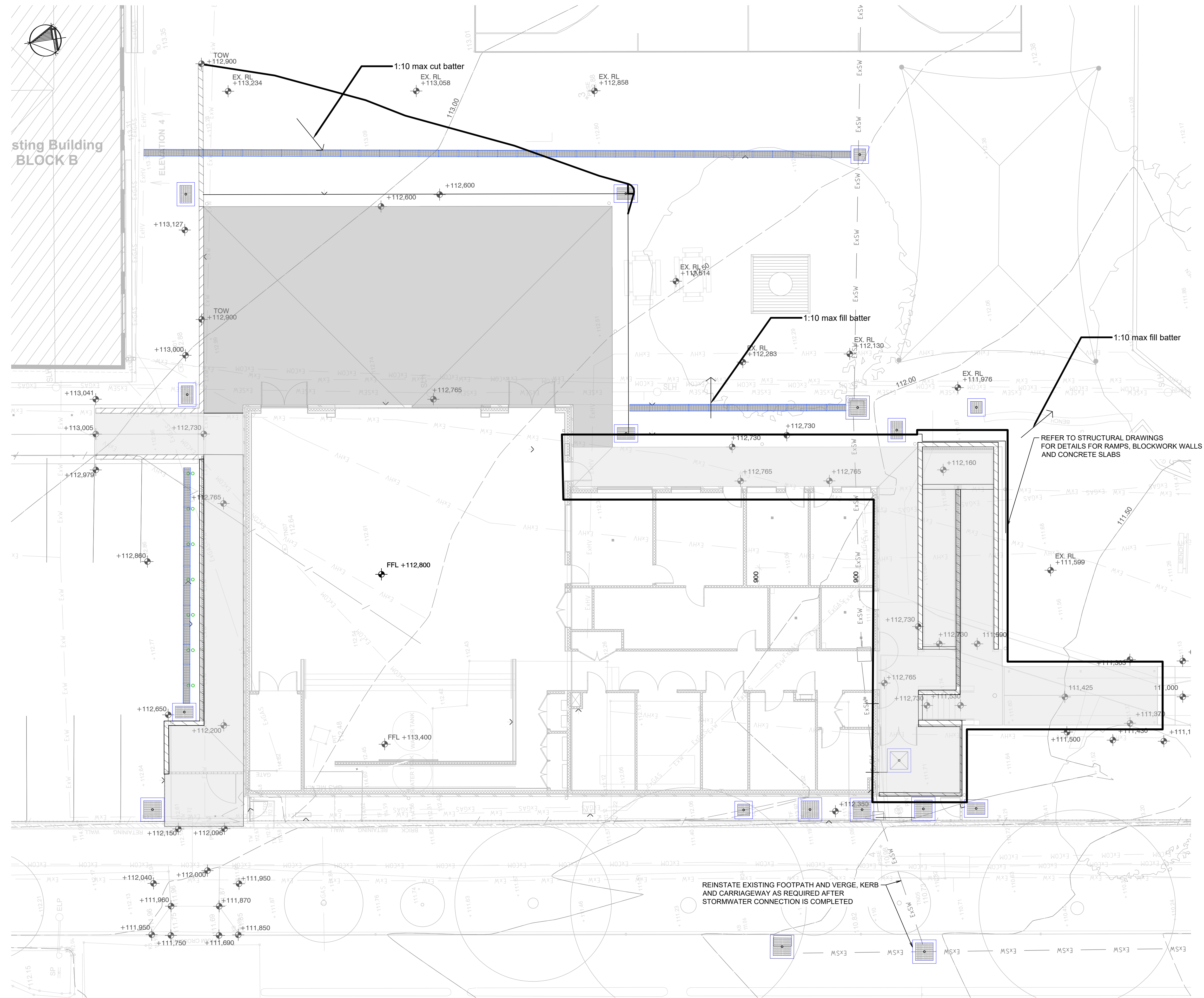
- THIS DRAWING IS AN ESTIMATE FOR INFORMATION ONLY WHICH SHOULD NOT BE TAKEN AS AN ACCURATE MEASUREMENT AND SHOULD NOT BE USED FOR CONSTRUCTION.
- THIS MODEL REPRESENTS A LEVEL COMPARISON BETWEEN:
A) THE EXISTING SURFACE LEVELS, AND
B) THE FORMATION LEVELS OF THE PROPOSED DEVELOPMENT.
- THE FORMATION LEVELS ARE BASED ON PAVEMENT THICKNESSES AS SHOWN IN THE DRAWING
- THE EXISTING SURFACE LEVELS ARE BASED ON THE TIN MODEL FROM THE SURVEY FILE. REFER TO SURVEY NOTES.
- THIS ESTIMATE DOES NOT INCLUDE EXCAVATION FOR ANY BELOW GROUND SERVICES INCLUDING STORMWATER INFRASTRUCTURE.
- NO ALLOWANCE HAS BEEN CONSIDERED FOR SERVICE TRENCHES, IN GROUND TANKS, STRUCTURAL FOOTINGS, PILING, FLOOR SLABS OR LIFT PITS.
- NO BULKING FACTOR HAVE BEEN APPLIED TO THE BULK EXCAVATION VOLUMES.
- IT HAS BEEN ASSUMED THAT ALL EXCAVATED MATERIAL IS NOT CONTAMINATED AND CAN BE USED AS FILL MATERIAL ON SITE (NOT INCLUDING TOPSOIL). IF CONTAMINATION IS PRESENT, A SEPARATE ASSESSMENT SHOULD TAKE PLACE.
- ANY DAMAGE TO EXISTING ROADS OR EXISTING BUILDINGS WILL BE RECTIFIED BY THE CONTRACTOR AT HIS EXPENSE.
- ALL ENVIRONMENTAL MEASURES INCLUDING VEGETATION PROTECTION AND EROSION AND SEDIMENT CONTROLS SHALL BE PLACE PRIOR TO THE COMMENCEMENT OF ANY WORK.
- EROSION PLANS AND BUILDING REPRESENTATIVE FAMILIAR WITH THE PLAN MUST BE ON SITE AT ALL TIMES DURING CONSTRUCTION.
- ALL ARCHITECTURAL FINISHED SURFACE LEVELS SUPERSEDE THOSE INDICATED ON THE BULK EARTHWORKS PLAN. THE CONTRACTOR SHALL CONFIRM THE FINAL BUILDING PAD LEVEL REQUIRED TO SUIT THE STRUCTURAL DESIGN WITH THE STRUCTURAL DRAWINGS PRIOR TO COMMENCEMENT OF WORK.
- REFER GEOTECHNICAL REPORT / ENGINEER FOR SUITABILITY OF MATERIAL WON FROM EXCAVATION BACKFILL.
- NOT TO BE USED FOR DETAILED EXCAVATION, WHICH INCLUDES: LIFT PITS, TRENCHING, FOOTINGS AND OTHER EXCAVATION OF SIMILAR NATURE



SERVICE CLASHES
CONTRACTOR TO REFER TO SERVICES DOCUMENTATION AND LIAISE WITH THE RELEVANT AUTHORITY TO MITIGATE ANY SERVICE CLASHES WITH THE PROPOSED WORKS.

WARNING
BEWARE OF UNDERGROUND SERVICES.
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE BY CIVIL CONTRACTOR PRIOR TO CONSTRUCTION OF ANY CIVIL WORKS. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

NOT FOR CONSTRUCTION

sting Building
BLOCK B

SERVICES LEGEND

POW(OH)	Existing electrical (over head)
ExHV	Existing electrical High Voltage
ExGAS	Existing gas
ExSEW	Existing sewer
ExSW	Existing stormwater
ExCOM	Existing telecommunications
ExW	Existing water

LEGEND

	Proposed surface level
	Existing surface spot level
	Existing Contour
	Proposed stormwater pit. Refer to Sheet no. PS214113-SPS-CV-4001 and CV-4050 for further information.
	Grated Drain. Refer to Sheet no. PS214113-SPS-CV-4001 and CV-4050 for further information.
	Concrete slab. Refer to structural drawings
	Asphalt pavement Type 1
	Retaining structure refer to structural drawings

ASPHALT
PAVEMENT
TYPE 1

40m Thickness asphaltic concrete (AC10).
Color to Architectural Specification.
100mm Compacted thickness fine
crushed rock (DGB20) compacted to
98% standard MDD
Compacted subgrade to CBR4 min.



SERVICE CLASHES

CONTRACTOR TO REFER TO SERVICES DOCUMENTATION
AND LIAISE WITH THE RELEVANT AUTHORITY TO MITIGATE
ANY SERVICE CLASHES WITH THE PROPOSED WORKS.

WARNING

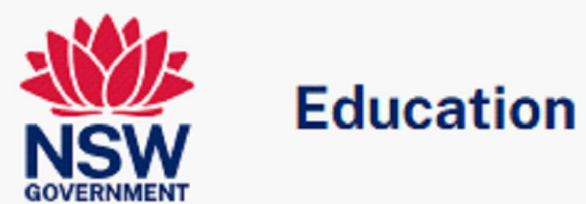
BEWARE OF UNDERGROUND SERVICES.
THE LOCATION OF UNDERGROUND SERVICES ARE
APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD
BE PROVEN ON SITE BY CIVIL CONTRACTOR PRIOR TO
CONSTRUCTION OF ANY CIVIL WORKS. NO GUARANTEE IS
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

NOT FOR CONSTRUCTION

rev	date	description	dm	ch/k
01	13/12/24	FOR SCHEMATIC DESIGN	PL	PL

rev	date	description	dm	ch/k

PROPONENT



enstruct group pty ltd

Level 4, 2 Glen Street
Milsons Point NSW 2061
Australia

Telephone (02) 8904 1444
Facsimile (02) 8904 1555
www.enstruct.com.au

enstruct

project

SUTHERLAND PUBLIC
SCHOOL HALL UPGRADE

drawing title

SITE WORKS PLAN

status

SCHEMATIC DESIGN

scale at A1

1:100

drawn

ALA

checked

TAH

approved

Oct-24

project no.

PS214113

sheet

PS214113-SPS-CV-3001

rev.

01



- | | |
|---------|--|
| POW(OH) | Existing electrical (over head) |
| ExHV | Existing electrical High Voltage |
| ExGAS | Existing gas |
| ExSEW | Existing sewer |
| ExSW | Existing stormwater |
| ExCOM | Existing telecommunications |
| ExW | Existing water |
| SW | Proposed stormwater pipe |
| ExSW | Existing stormwater pipe |
| | Grated drain (heel safe) |
| | Proposed sealed pit |
| EXT | Proposed heel safe grated pit |
| | Existing stormwater pit |
| SS | subsoil drainage line (100 dia) with Inspection opening/flushing point |
| | Downpipe with Roof Water line |

LEGEND

-     Property boundary
 FFL +112.800
 Finished surface level
 +18.48 Existing surface spot level
 19.00 Existing contour

Date generated 19/12/2024 1:31:39 PM U:\PROJECTSAU\214XXX\214113 SINSW\0604924 SUTHER4 WIP\BIM\PROPERTY\CV CIVIL\2DIPS\214113-SPS-CV-4001



SERVICE CLASHES

CONTRACTOR TO REFER TO SERVICES DOCUMENTATION AND LIAISE WITH THE RELEVANT AUTHORITY TO MITIGATE ANY SERVICE CLASHES WITH THE PROPOSED WORKS.

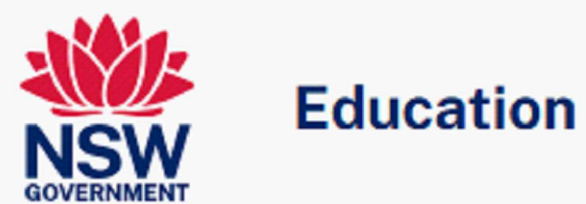
WARNING

BEWARE OF UNDERGROUND SERVICES.
THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE BY CIVIL CONTRACTOR PRIOR TO CONSTRUCTION OF ANY CIVIL WORKS. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

NOT FOR CONSTRUCTION

[illegible]

PROPONENT



enstruct group pty ltd

Level 4, 2 Glen Street
Milsons Point NSW 2061
Australia

Telephone (02) 8904 1444
Facsimile (02) 8904 1555
www.enstruct.com.au

enstruct

project

SUTHERLAND PUBLIC
SCHOOL HALL UPGRADE

drawing title

STORMWATER PLAN

status

SCHEMATIC DESIGN

scale at A

1:100

drawn

ALA

proved

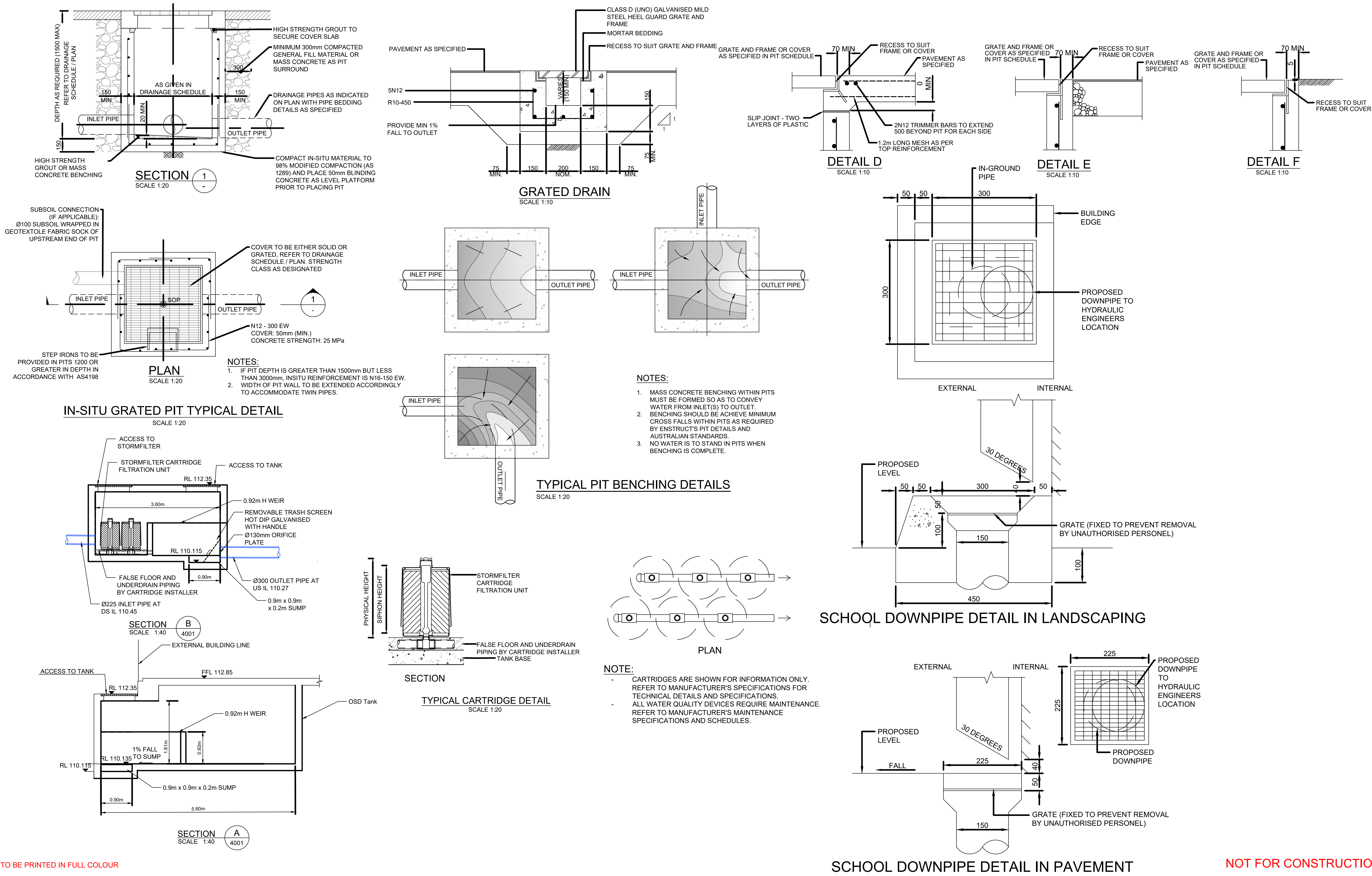
Oct-24

project no.

PS214113

sheet

PS214113-SPS-CV-4001	(
----------------------	---



TO BE PRINTED IN FULL COLOUR

NOT FOR CONSTRUCTION

01	13/12/24	ISSUED FOR SCHEMATIC DESIGN			JP PL
rev	date	description			dwn ch/k

PROPOSER

enstruct group pty ltd

Level 4, 2 Glen Street
Milsom Point NSW 2061
Australia

Telephone (02) 8904 1444
Facsimile (02) 8904 1555
www.enstruct.com.au

project

SUTHERLAND PUBLIC
SCHOOL HALL UPGRADE

drawing title

STOWMWATER DETAILS

status

SCHEMATIC DESIGN

scale at A1 AS SHOWN	drawn PL	checked MD	approved Dec-24
project no. PS214113	sheet PS214113-SPS-CV-4050	rev. 01	