



SINSW



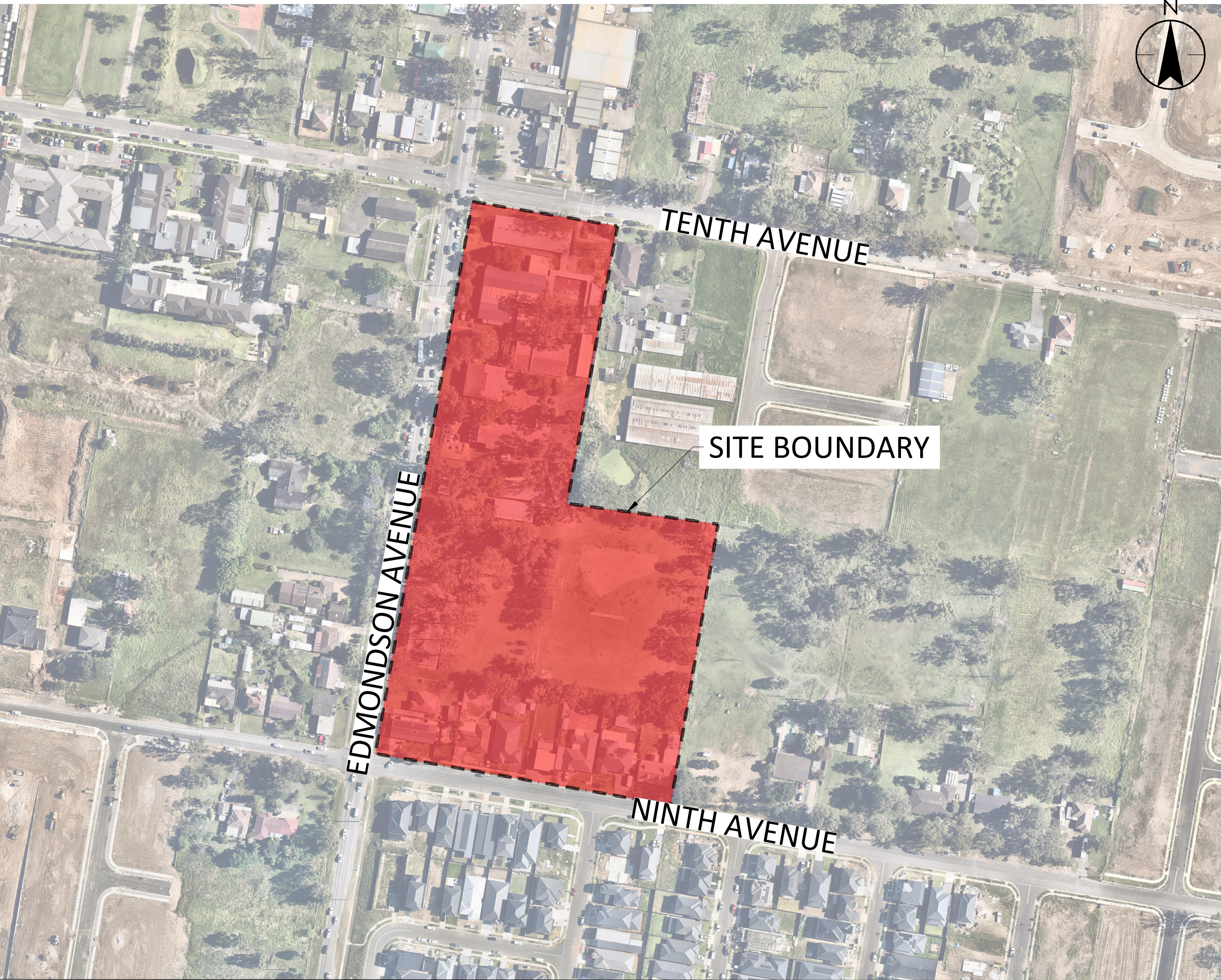
# AUSTRAL PUBLIC SCHOOL UPGRADE

EDMONDSON AVENUE, AUSTRAL,  
NSW 2179

ISSUED FOR REF  
2025.01.17

Stantec Project Number: 304000720

| DRAWING LIST |   |
|--------------|---|
| NO.          | DRAWING NAME                                    |
| CI-1-000-001 | COVER SHEET, DRAWING REGISTRY AND LOCALITY PLAN |
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| CI-1-526-005 | STORMWATER DRAINAGE DETAILS SHEET 5 OF 7        |
| CI-1-526-006 | STORMWATER DRAINAGE DETAILS SHEET 6 OF 7        |
| CI-1-526-007 | STORMWATER DRAINAGE DETAILS SHEET 7 OF 7        |
| CI-1-527-001 | STORMWATER PIT SCHEDULE                         |



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## RETAINING WALL NOTES

1. BASE MATERIAL SHALL BE COMPACTED TO MINIMUM 98% SMD WITHIN 2% OF STANDARD OPTIMUM MOISTURE CONTENT (SMC) DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH THE CURRENT AUSTRALIAN STANDARD AS 1289 5.1.1 MINIMUM ALLOWABLE BEARING PRESSURE OF 150kPa. GEOTECHNICAL ENGINEER EMPLOYED BY CONTRACTOR TO INSPECT AND CONFIRM.
2. DRAINAGE MATERIAL WITHIN AND IMMEDIATELY BEHIND THE WALL SHALL BE 12-20mm CLEAN AGGREGATE. DRAINAGE MATERIAL TO EXTEND A MINIMUM OF 300mm BEHIND THE RETAINING WALL. COMPACT THE DRAINAGE MATERIAL. ALTERNATIVELY, USE NO FINES CONCRETE AS FOLLOWS:-
  - 2.1. CONCRETE STRENGTH N16
  - 2.2. 210kg/m<sup>3</sup> PORTLAND CEMENT
  - 2.3. MAXIMUM AGGREGATE SIZE 20mm
  - 2.4. W/C RATIO 0.45 TO 0.55
  - 2.5. DENSITY 1600 TO 2000kg/m<sup>3</sup>
3. INFILL SOIL SHALL BE CLASS 1 CONTROLLED FILL TO AS 4678, OR AS SPECIFIED ON THE DRAWINGS. UNSUITABLE SOILS, SUCH AS HEAVY CLAYS OR ORGANIC SOILS WITH HIGH PLASTICITY, SHALL NOT BE USED IN THE REINFORCED FILL.
4. SPREAD BACKFILL IN UNIFORM LAYS OF 200mm UNCOMPACTED THICKNESS. COMPACT TO 95% SMD. COMPACTION WITHIN 1.0m BEHIND THE WALL SHALL BE ACCOMPLISHED USING A HAND-OPERATED PLATE COMPACTOR AND SHALL BEGIN BY RUNNING THE PLATE DIRECTLY ON THE BLOCK, THEN COMPACTING IN PARALLEL PATHS, PROGRESSIVELY AWAY FROM THE WALL FACE.
5. WHERE ROADWAYS OR BUILDING STRUCTURES ARE LOCATED ABOVE THE REINFORCED ZONE, COMPACT TO 98% SMD WITHIN 2% OF SMC DETERMINED BY THE STANDARD COMPACTION TEST IN ACCORDANCE WITH AS 1289 5.1.1. COMPACTION TESTING SHALL BE TAKEN 1.2m BEHIND THE WALL.

| DEPTH TO INVERT      | WIDTH | LENGTH |
|----------------------|-------|--------|
| LESS THAN 600mm      | 450mm | 450mm  |
| FROM 600mm TO 900mm  | 600mm | 600mm  |
| FROM 900mm TO 1200mm | 600mm | 900mm  |
| MORE THAN 1200mm     | 900mm | 900mm  |

CI-1-007-001



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PRINTED: 30/03/2025 10:05 PM BY: ALI, HANBRI

ORIGINAL SHEET - 50 A1 COORD - MGA/YY3zone DATUM - mAHd

C

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A

1:500 5 0 5 10 15 20 25 A1  
1:1000 A3

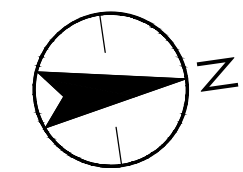
EDMONSON AVENUE

## LEGEND

- PROPOSED SITE BOUNDARY
- EXTENT OF WORKS
- EXISTING BUILDING
- EXISTING CONTOURS
- EXISTING ELECTRICAL
- EXISTING TELECOM
- EXISTING WATER
- EXISTING STORMWATER PIPE
- EXISTING STORMWATER PIT
- EXISTING KERB INLET PIT
- OVERLAND FLOW PATH
- EXISTING TREES TO BE DEMOLISHED

## NOTES

- EXISTING SERVICES SHOWN ON THE PLANS ARE LOCATED APPROXIMATELY BASED ON INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES, AND SURVEY RECEIVED ON 24/05/2024 PREPARED BY MONTEATH & POWYS PTY LTD, REFERENCE 220216C\_08, DATED 24/05/2024. STANTEC DOES NOT TAKE RESPONSIBILITY FOR THE SUITABILITY OR LOCATION/DEPTH OF THE EXISTING SERVICES.
- THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. STANTEC DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAWINGS.
- ALL AREAS WITHIN THE EXTENT OF WORKS TO BE SCANNED FOR EXISTING UTILITY SERVICES AND LOCATIONS PRIOR TO CONSTRUCTION.



Key Plan: (NTS)

|                 |                      |     |      |            |
|-----------------|----------------------|-----|------|------------|
| I               | ISSUED FOR REF       | HAL | AT   | 2025.01.17 |
| H               | ISSUED FOR DA        | LPT | VE   | 2024.06.06 |
| G               | ISSUED FOR DA        | LPT | VE   | 2024.05.21 |
| F               | ISSUED FOR DA        | LPT | JMB  | 2024.03.18 |
| E               | ISSUED FOR DA        | LPT | JMB  | 2024.03.08 |
| D               | ISSUED FOR DA        | LPT | JMB  | 2024.02.23 |
| C               | 95% SCHEMATIC DESIGN | LPT | JMB  | 2024.02.02 |
| B               | 50% SCHEMATIC DESIGN | LPT | MDR  | 2023.12.15 |
| A               | CONCEPT DESIGN       | LPT | MDR  | 2023.03.31 |
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Client/Project Logo



Client/Project  
SINSW

AUSTRAL PUBLIC SCHOOL UPGRADE

205 EDMONDSON AVENUE, AUSTRAL, NSW 2179

File Name: 304000720-CH-1-050-001.DWG  
Dwn. Dign. Chkd. 2023.03.31  
YYYY.MM.DD

Title

EXISTING CONDITIONS PLAN

Project No.  
304000720

Scale  
1:500

Revision  
1

Drawing No.

CI-1-050-001



1  
2  
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1:500 10 5 0 10 20 A1  
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Key Plan: (NTS)

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NSW Education School Infrastructure

Client/Project  
SINSW

AUSTRAL PUBLIC SCHOOL UPGRADE

205 EDMONDSON AVENUE, AUSTRAL, NSW 2179

File Name: 304000720-CH-1-060-001.DWG  
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YYYY.MM.DD

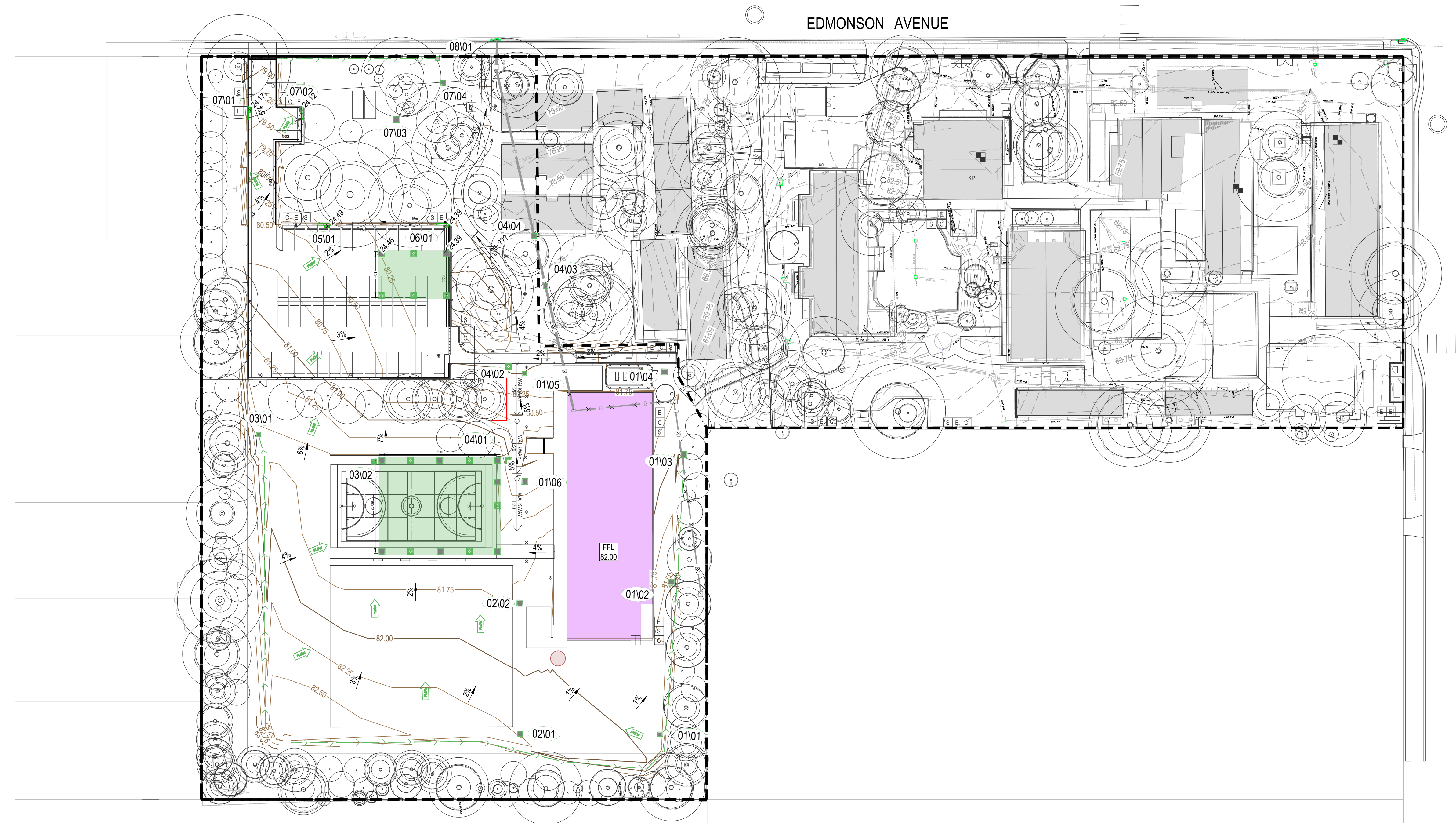
Title  
GENERAL ARRANGEMENT PLAN

Project No.  
304000720

Revision  
1

Scale  
1:500

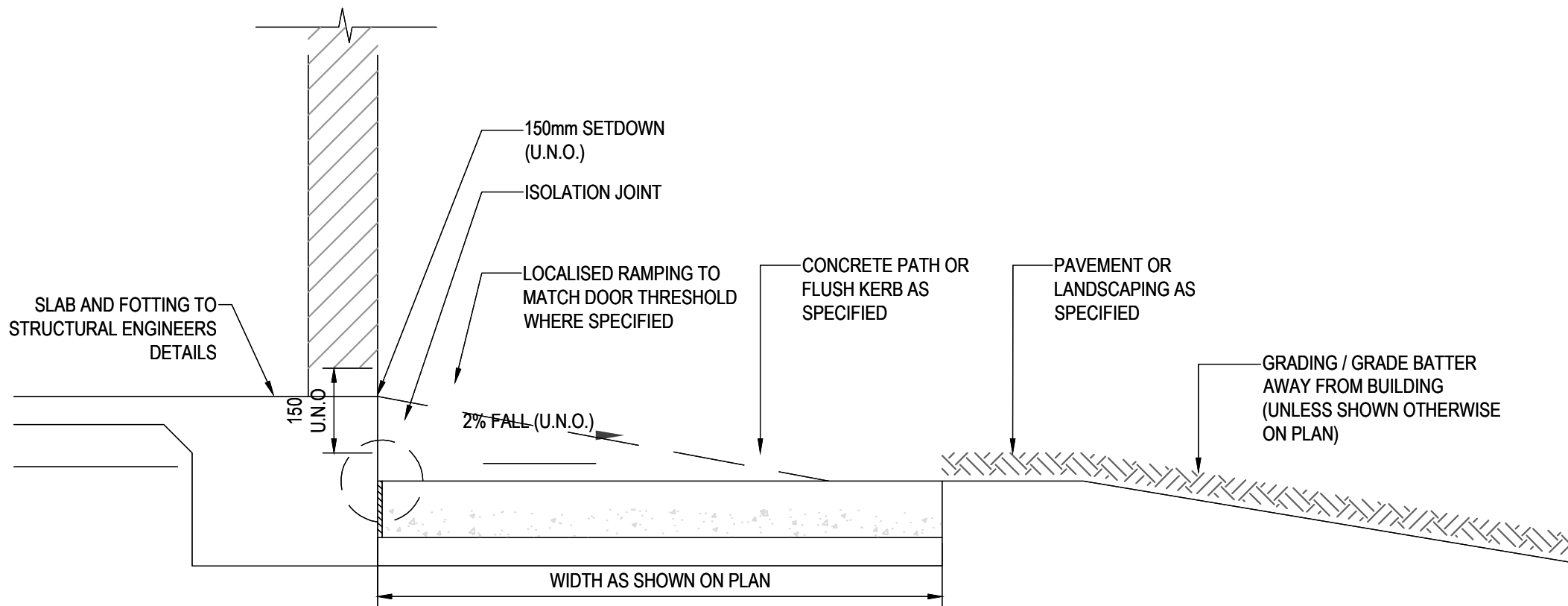
Drawing No.  
**CI-1-060-001**



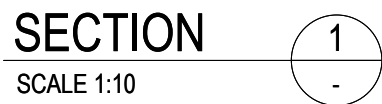
**LEGEND**

- SITE BOUNDARY
- EXTENT OF WORKS
- PROPOSED BUILDING
- EXISTING BUILDING
- PROPOSED CONTOURS
- EXISTING CONTOURS
- PROPOSED GRATED PIT
- PROPOSED JUNCTION PIT
- PIT TAG
- OVERLAND FLOW PATH
- EXISTING KERB INLET PIT
- EXISTING STORMWATER PIT
- DETENTION SYSTEM
- RAINWATER TANK
- K&G
- KO
- VC
- PROPOSED RETAINING WALL

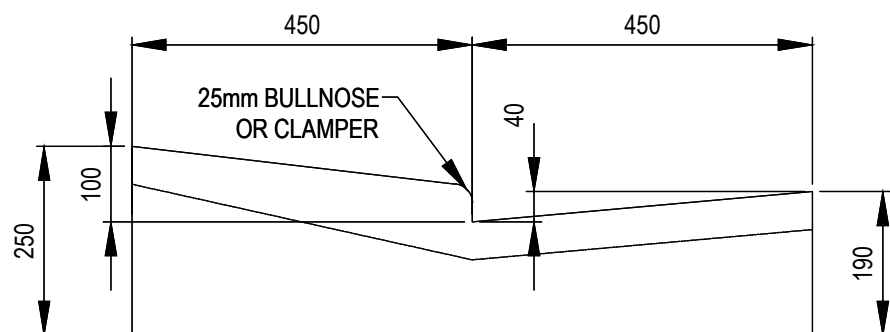




**TYPICAL BUILDING PERIMETER/ SET DOWN**

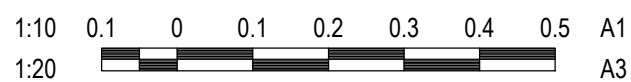


1. WHERE FOOTPATH MEETS THE DRIVEWAY, THE CROSS-FALL SHALL BE A MIN 0.5% AND MAX 2.5%, GRADED TOWARDS THE ROAD.
2. WHERE THE FOOTPATH MEETS THE DRIVEWAY, DUMMY JOINTS ARE TO BE PROVIDED. SAW CUT JOINTS WILL NOT BE ACCEPTABLE.
3. RESIDENTIAL DRIVEWAY - 110mm THICKNESS, 25MPa (MINIMUM) COMPRESSIVE STRENGTH AT 28 DAYS WITH SL82 MESH PLACED CENTRALLY AS PER SPECIFICATION.
4. INDUSTRIAL DRIVEWAY - 150mm THICKNESS, 35MPa (MINIMUM) COMPRESSIVE STRENGTH AT 28 DAYS WITH SL82 MESH PLACED CENTRALLY AS PER SPECIFICATION.
5. MATERIAL - DRIVEWAYS SHALL BE ALL CONSTRUCTED IN PLAIN CONCRETE. NO STENCILED, STAMPED, PATTERNED, COLOURED CONCRETE OR ANY OTHER TYPE OF COSMETIC FINISH IS PERMITTED.
6. EXISTING SUBBASE TO BE PROOF ROLLED WITH A SUITABLE ROLLER. AREAS WHICH SHOW VISIBLE HEAVE UNDER COMPACTION SHOULD BE OVER EXCAVATED FURTHER 300mm AND REPLACED WITH COMPACTED AND APPROVED FILL. BEDDING MATERIAL SHALL BE DGB20 (DENSELY GRADED BASE) 100mm LAYER COMPACTED TO 98%.
7. A MINIMUM 320mm WIDTH OF ASPHALT IN FRONT OF GUTTER IS TO BE REMOVED AND REPLACED WITH HOT MIX ASPHALT. CONTRACTOR CAN OBTAIN QUOTATION FROM COUNCIL.
8. ALL EXPOSED EDGES TO BE ROUNDED TO 10mm AND SURFACES BE BROOM FINISHED.
9. LAYBACK, GUTTER AND KERB SHALL BE STEEL TROWLED FINISHED.
10. IT IS THE RESPONSIBILITY OF THE OWNER TO ENGAGE THE SERVICES OF A QUALIFIED PROFESSIONAL TO DESIGN ALL DRIVEWAYS (INTERNAL AND EXTERNAL) IN ACCORDANCE WITH AS/NZS 2890.1 2004 OFF STREET CAR PARK STANDARDS.



## LAYBACK DETAIL

SCALE 1:10



|                 |                      |     |      |            |
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AUSTRAL PUBLIC SCHOOL UPGRADE

205 EDMONDSON AVENUE, AUSTRAL, NSW 2179

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## SITEWORKS DETAILS

Project No.  
304000720

Revision  
I

Scale  
AS SHOWN

Drawing No.

CI-1-066-001



TEMPORARY SEDIMENT BASIN LOCATION OVERLAND FLOW FROM ALL AREAS TO BE DIRECTED TO THE TEMPORARY SEDIMENT BASIN. SETTLEMENT AND TREATMENT PRIOR TO DISCHARGE FROM SITE TO BE UNDERTAKEN IN ACCORDANCE WITH:

- COUNCIL EROSION AND SEDIMENT CONTROL POLICY
- GEOTECHNICAL AND ENVIRONMENTAL ASSESSMENT

TEMPORARY SEDIMENT BASIN DETAILS:

- TOTAL VOLUME= 265 cu.m
- SETTLING ZONE VOLUME= 177 cu.m
- SEDIMENT STORAGE VOLUME= 88 cu.m

BASIN SIZING CAN BE REDUCED OR REMOVED FOLLOWING STABILISING DISTURBED SOILS WITH STRUCTURE AND INSTALLATION OF PROPOSED STORMWATER NETWORK. EMERGENCY PUMP TO NEARBY STORMWATER NETWORK

EDMONSON AVENUE

SITE GATE

SHAKER GRID DEVICE TO BE LOCATED AT SITE ENTRY

DEMOLISH PAVEMENT TO INSTALL STABILISED CONSTRUCTION ACCESS

PROVIDE SANDBAG PROTECTION AROUND ALL EXISTING/ PROPOSED STORMWATER INLET STRUCTURES FOR PROTECTION AGAINST SEDIMENT AND DEBRIS

SEDIMENT FENCE TO BE LOCATED AROUND SITE WHERE NECESSARY

TOPSOIL STOCKPILE WITH SEDIMENT FENCING TO BE CONFIRMED

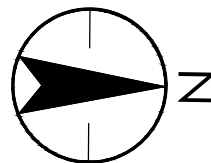
SITE FENCE TO BE LOCATED AROUND SITE WHERE NECESSARY

## LEGEND

- SITE BOUNDARY
- EXTENT OF WORKS
- VEHICLE SHAKEDOWN DEVICE
- PROPOSED SILT FENCE
- PROPOSED SITE FENCE
- SITE GATE
- SANDBAG PIT PROTECTION
- SEDIMENT TRAP FOR KERB INLET PITS
- PROPOSED GRATED DRAIN
- PROPOSED GRATED PIT
- PROPOSED JUNCTION PIT
- EXISTING STORMWATER PIT
- EXISTING KERB INLET PIT
- PROPOSED CATCH DRAIN
- PROPOSED SEDIMENT BASIN
- PROPOSED STOCKPILE

## NOTES

- MINIMISE THE AREA OF SITE BEING DISTURBED AT ANY ONE TIME.
- WORKS IN PROXIMITY OF EXISTING TREES TO BE CARRIED OUT IN ACCORDANCE WITH ARBORIST CONSULTANT ADVICE. PROVIDE TREE PROTECTION WHERE REQUIRED.
- SEDIMENT AND EROSION CONTROL PLAN IS INDICATIVE ONLY.



1:500 10 5 0 10 20 A1  
1:1000

Key Plan: (NTS)

|                 |                      |     |      |            |
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File Name: 304000720-CH-1-070-001.DWG  
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YYYY.MM.DD

Title

**EROSION AND SEDIMENT CONTROL PLAN**

Project No.  
304000720

Scale  
1:500

Revision  
1

Drawing No.

**CI-1-070-001**

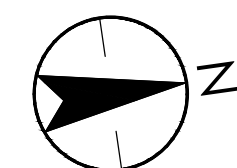
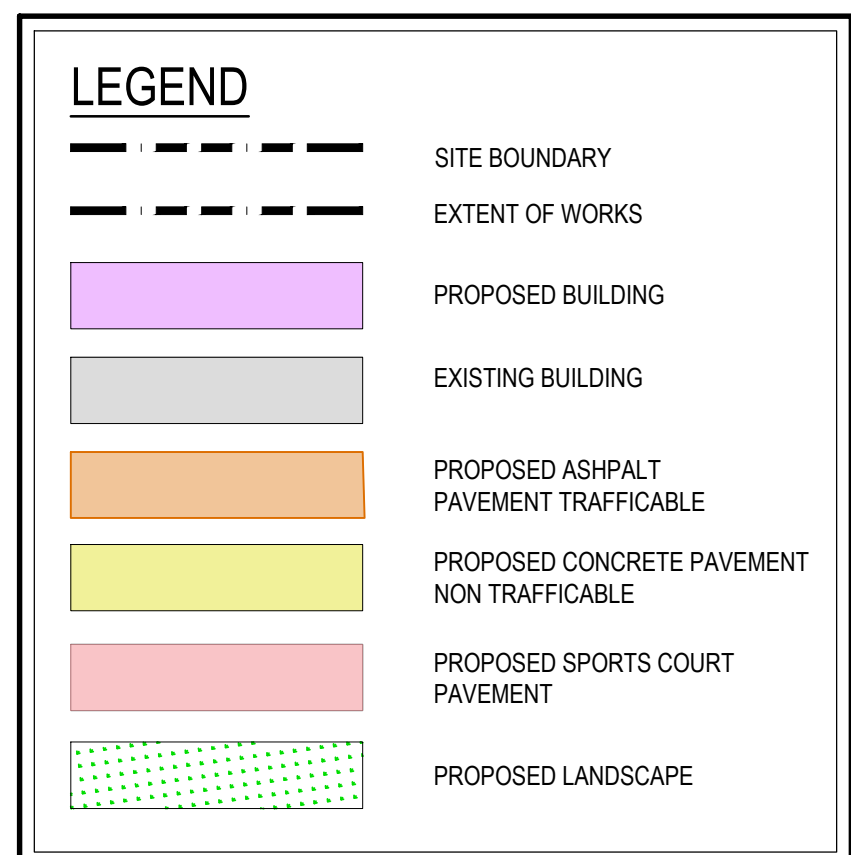
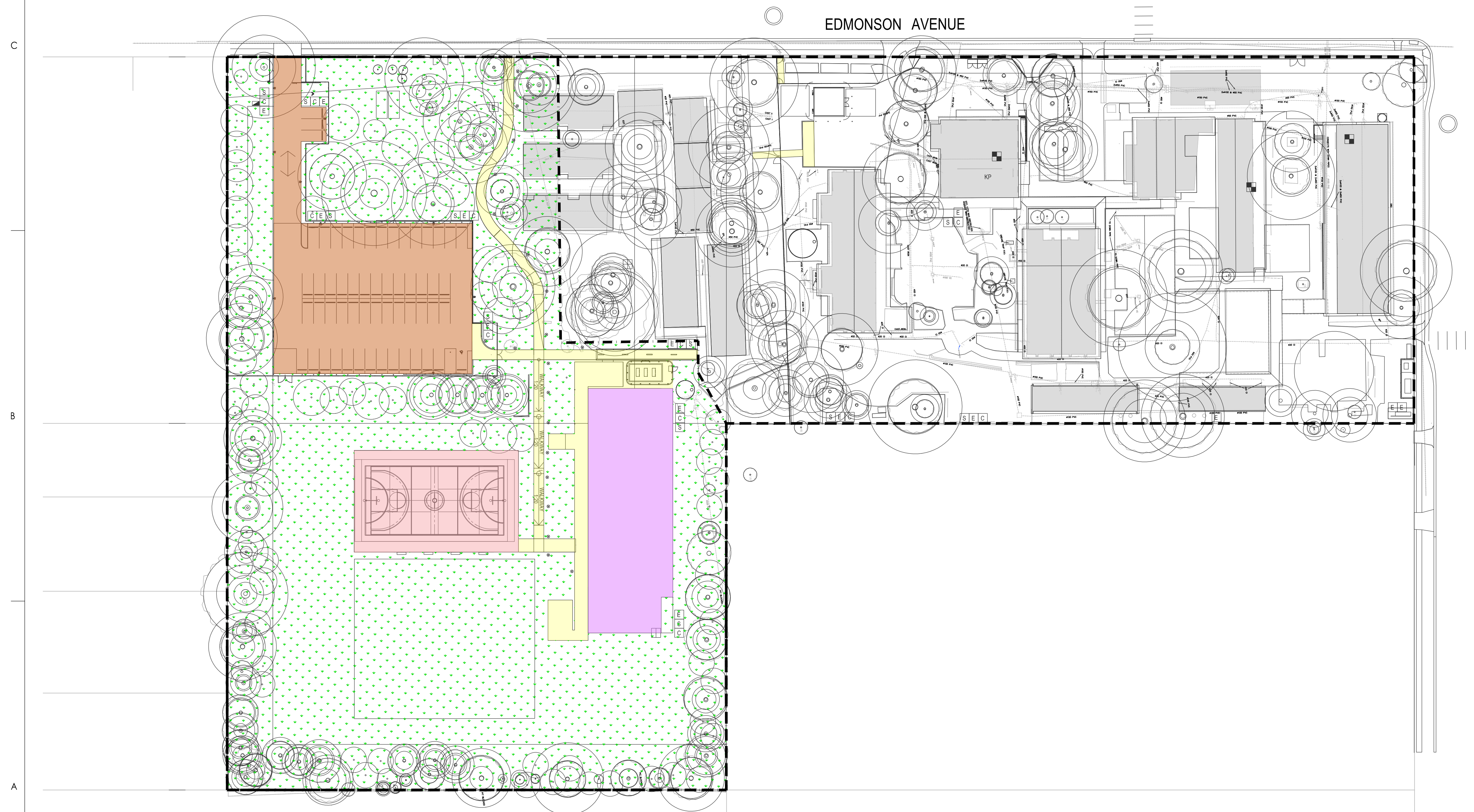












Key Plan: (NTS)

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AUSTRAL PUBLIC SCHOOL UPGRADE

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Title

PAVEMENT PLAN

Project No.  
304000720

Revision

Scale  
1:500

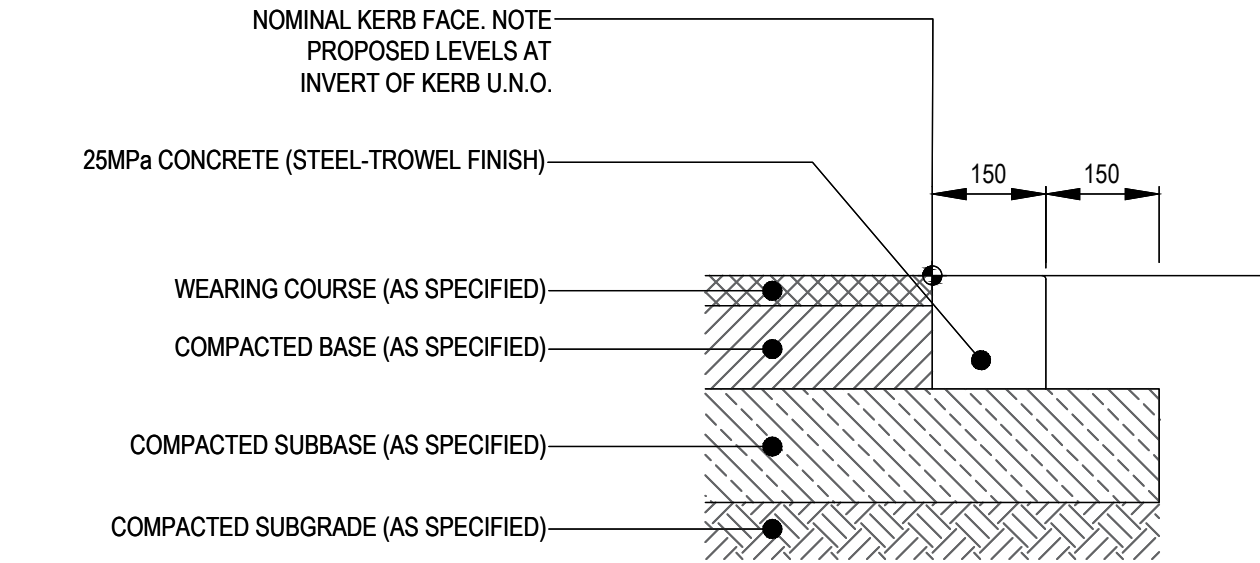
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CI-1-440-001


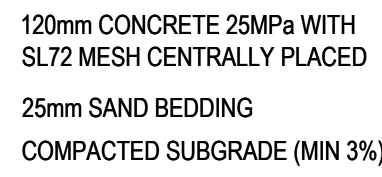

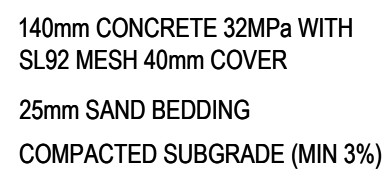

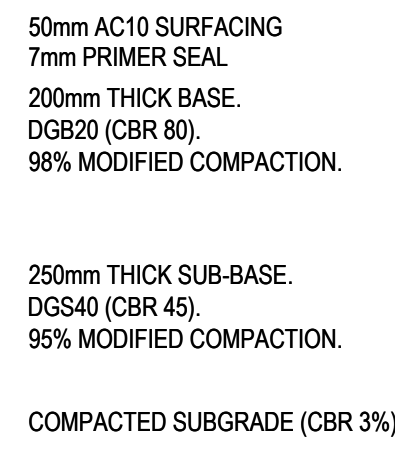




**KERB ONLY 'KO' DETAIL**  
(SCALE 1:10)



**FLUSH KERB DETAIL (FK)**  
(SCALE 1:10)



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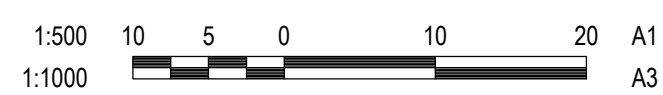
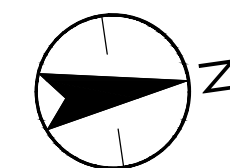
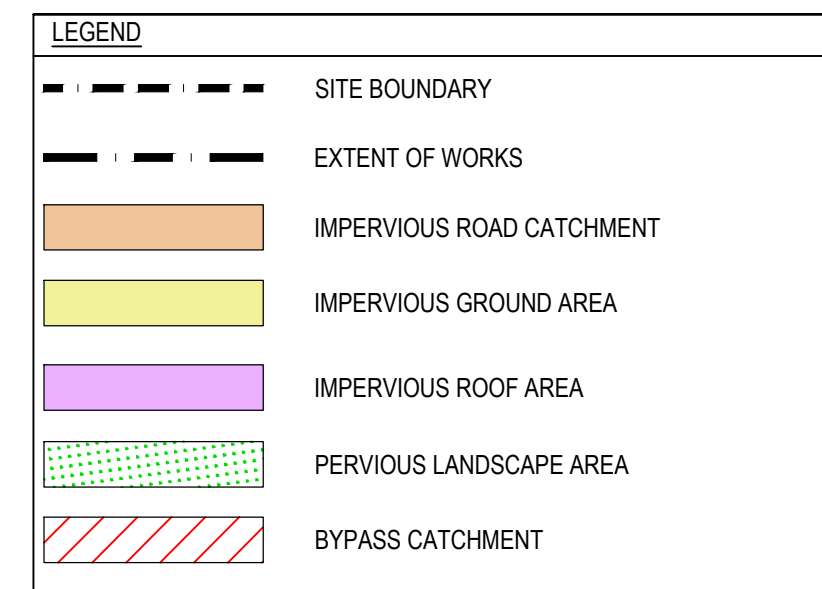
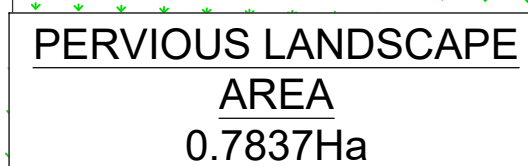
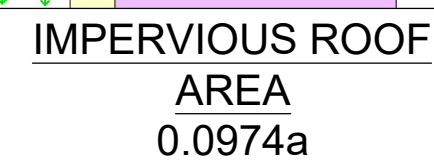
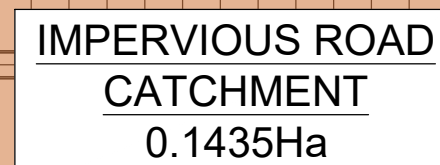
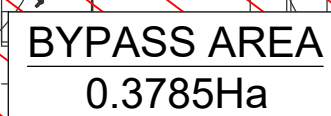
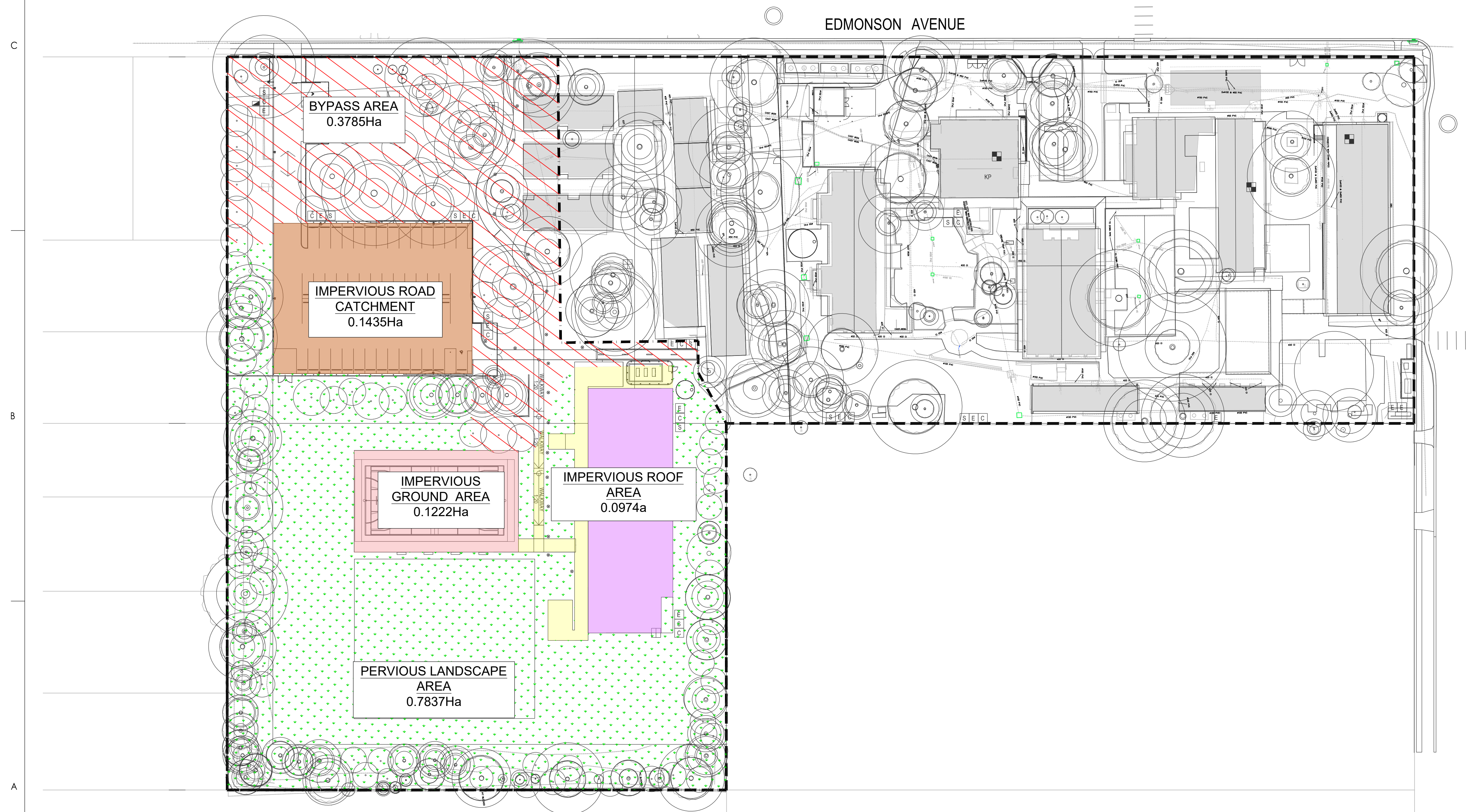
Project No.  
304000720

|          |             |
|----------|-------------|
| Revision | Drawing No. |
| H        |             |

Scale  
1:10

**CI-1-446-001**





Key Plan: (NTS)

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Title

MUSIC CATCHMENT PLAN

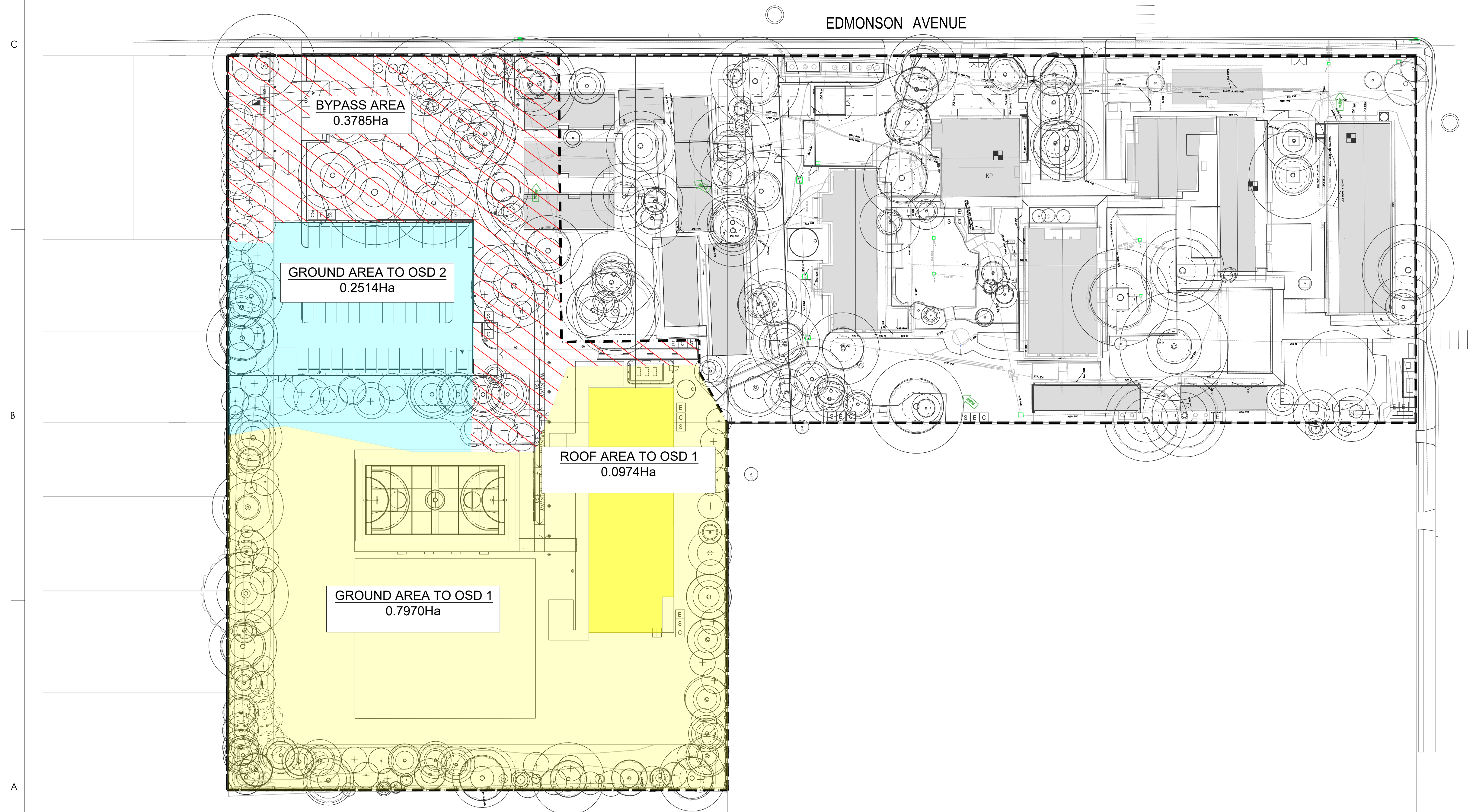
Project No.  
304000720

Scale  
1:500

|          |             |
|----------|-------------|
| Revision | Drawing No. |
| <b>H</b> |             |

**CI-1-500-001**



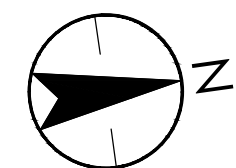
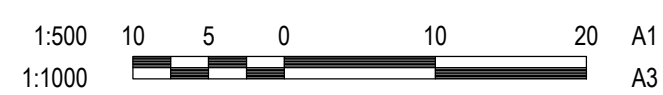
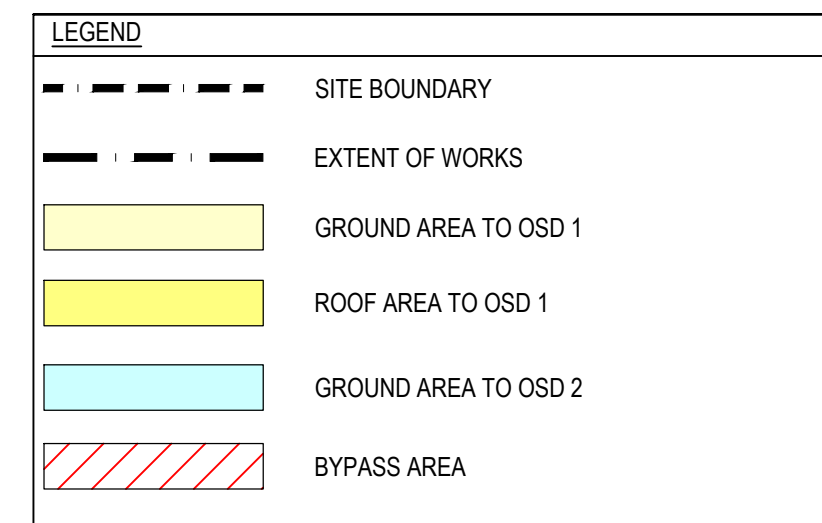


BYPASS AREA  
0.3785Ha

GROUND AREA TO OSD 2  
0.2514Ha

ROOF AREA TO OSD 1  
0.0974Ha

GROUND AREA TO OSD 1  
0.7970Ha



Key Plan: (NTS)

|                 |                      |     |      |            |
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Title

## DRAINS CATCHMENT PLAN

Project No.  
304000720

304000720

Revision  
HRevision  
H

Drawing No.

Scale  
1:500

1:500

CI-1-500-002



PROJECT: 304000720-CH-1-520-001-001.DWG  
DRAWING: 304000720-CH-1-520-001-001.DWG  
DATE: 2023.03.31  
BY: JAL, HAPB  
CHECKED: JAL, HAPB  
APPROVED: JAL, HAPB

1:500 10 5 0 10 20 A1  
1:1000 A3

Key Plan: (NTS)

|                 |                      |     |      |            |
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File Name: 304000720-CH-1-520-001.DWG  
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Title

STORMWATER DRAINAGE PLAN

Project No.  
304000720

Scale  
1:500

Revision  
1

Drawing No.

CI-1-520-001

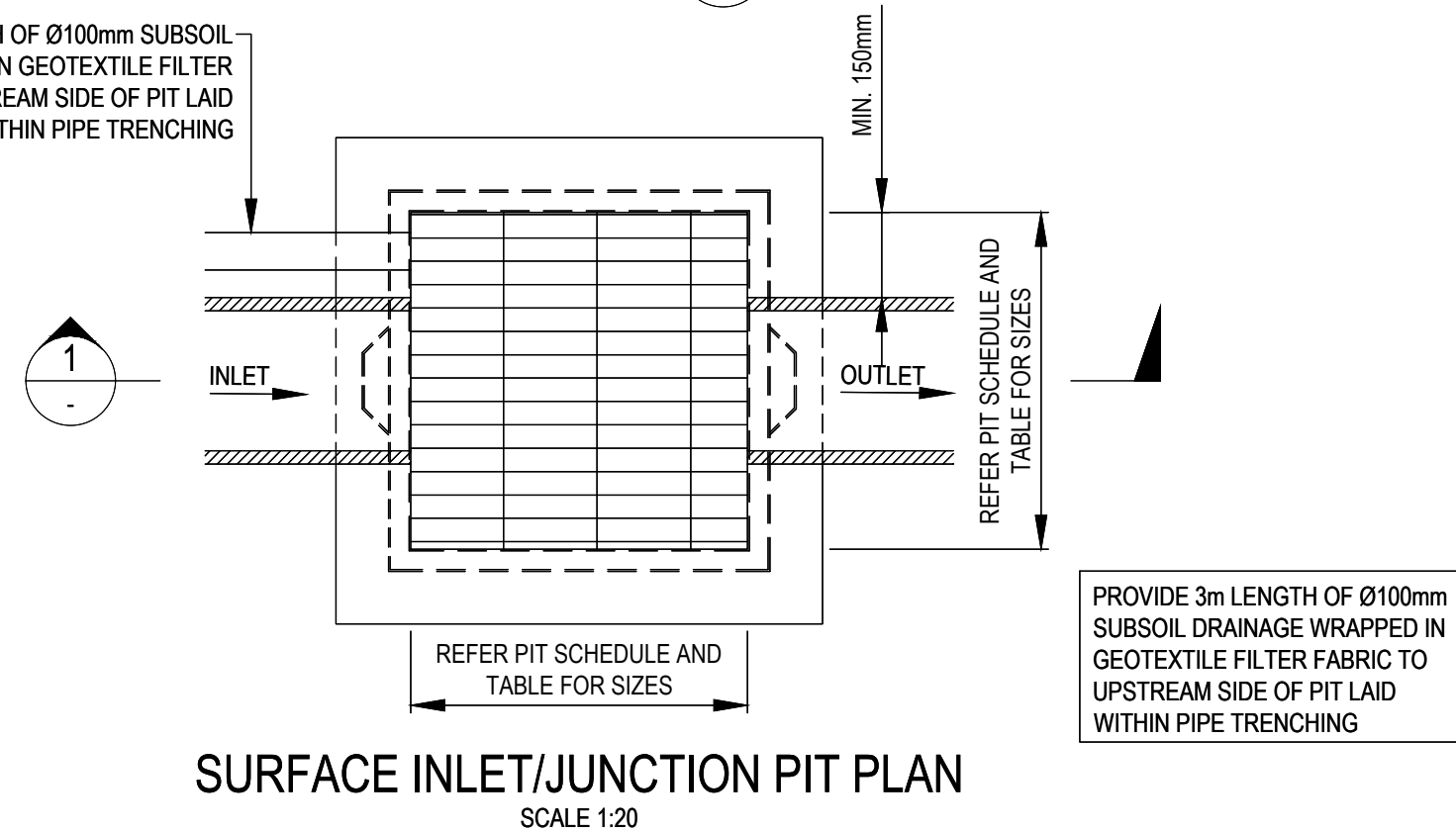
## LEGEND

|  |  |
|--|--|
|  | SITE BOUNDARY                                      |
|  | EXTENT OF WORKS                                    |
|  | PROPOSED BUILDING                                  |
|  | EXISTING BUILDING                                  |
|  | PROPOSED STORMWATER PIPE INCLUDING DIAMETER SIZE   |
|  | PROPOSED GRATED DRAIN PROVIDE CLASS D GALV GRATING |
|  | PROPOSED GRATED PIT                                |
|  | PROPOSED JUNCTION PIT                              |
|  | PIT TAG  |
|  | OVERLAND FLOW PATH                                 |
|  | EXISTING KERB INLET PIT                            |
|  | EXISTING STORMWATER PIT                            |
|  | ON-SITE DETENTION SYSTEM                           |
|  | RAINWATER TANK                                     |
|  | EXISTING STORMWATER PIPE                           |
|  | EXISTING SERVICE TO BE REMOVED                     |
|  | FLUSH POINT  |

## NOTES

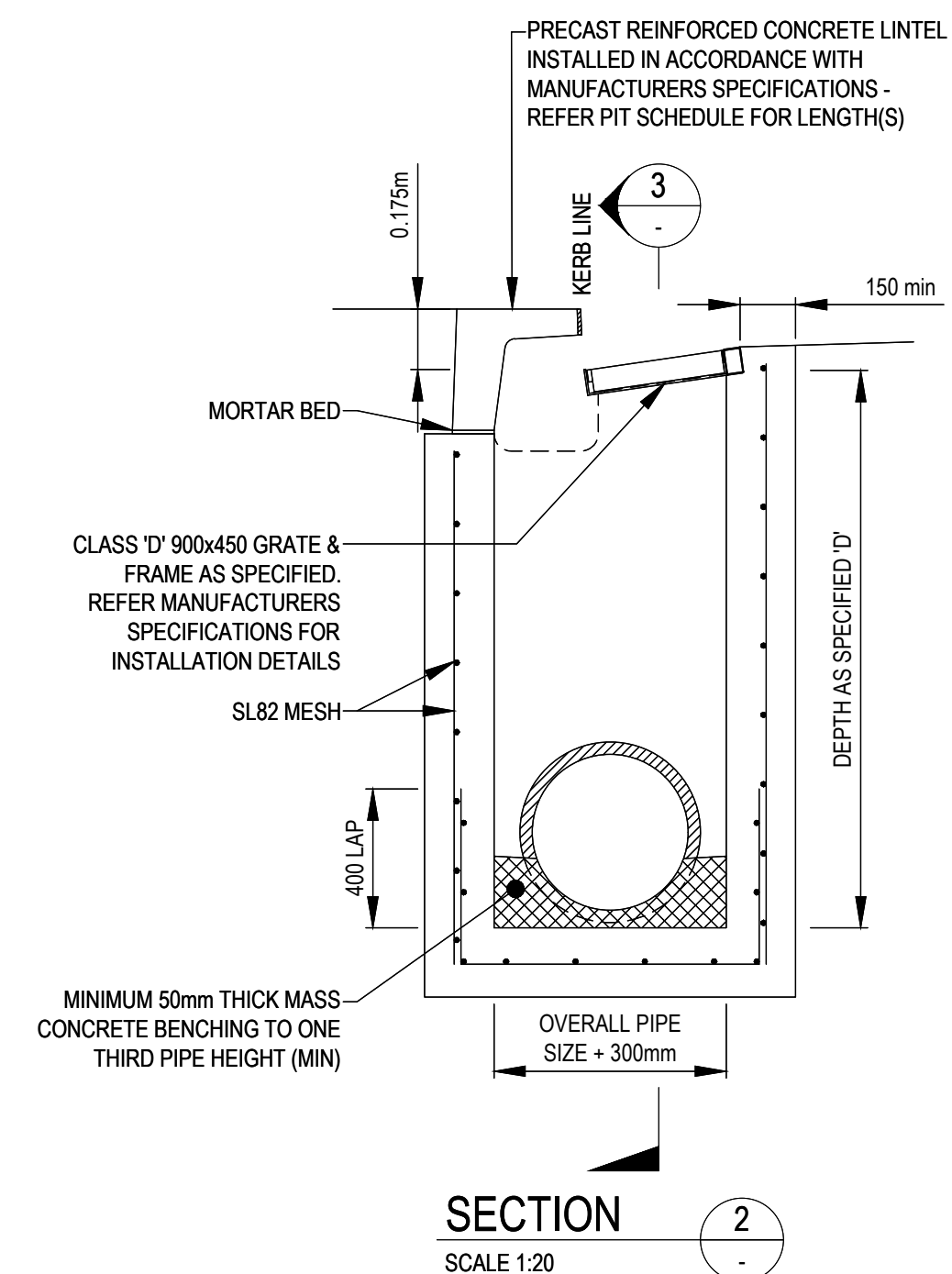
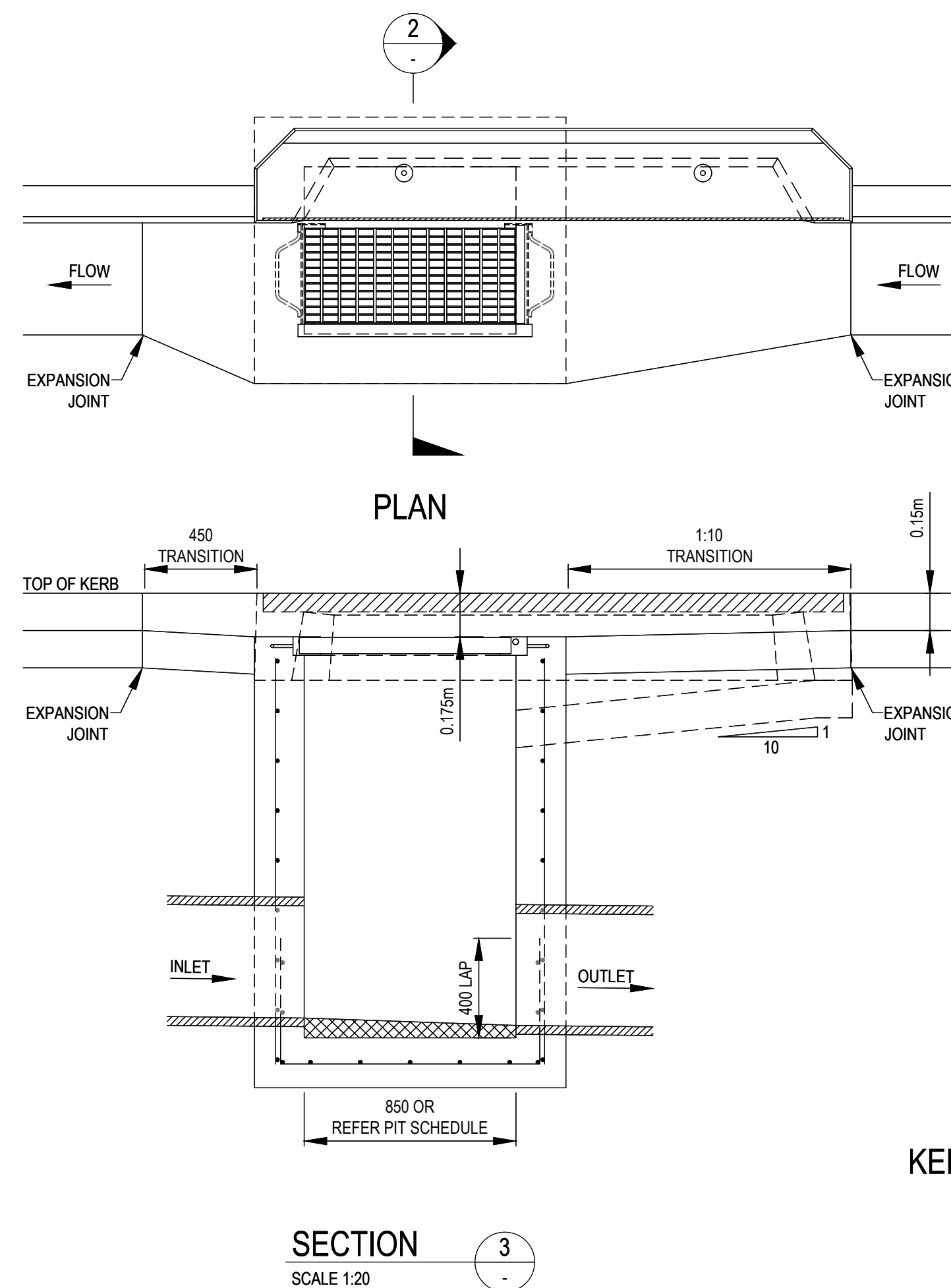
- ALL STORMWATER PIPES TO HAVE A MINIMUM OF 1% SLOPE IN DIRECTION SHOWN UNO.
- ALL IN-GROUND STORMWATER PIPES TO BE uPVC, UNLESS TRAFFICABLE.
- ALL IN-GROUND STORMWATER PIPES TO BE MINIMUM 450 BELOW LANDSCAPED SURFACES AND 600 BELOW SURFACES IN TRAFFICABLE AREA.
- GRATES, FRAMES AND COVERS IN ROADWAYS TO BE CLASS D.
- GRATES AND FRAMES NOT IN ROADWAYS TO BE CLASS B.
- STORMWATER PIPES ARE TO BE INSTALLED IN ACCORDANCE WITH AS 3725.
- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL STANDARDS AND CONSTRUCTION SPECIFICATIONS.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.
- EXISTING STORMWATER NETWORK NEED TO BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- CONTRACTOR TO LOCATE AND EXPOSE ALL EXISTING SERVICES BEFORE CONSTRUCTION STARTS. EXISTING SERVICES TO BE RELOCATED WHERE NEEDED TO AVOID CLASHING.
- ALL GRATED DRAINS WITHIN LANDSCAPE AREAS TO BE ACO DRAIN K200 AND WITHIN TRAFFICABLE AREAS TO BE ACO DRAIN K300 OR APPROVED EQUIVALENT.
- ALL GRATED DRAINS WITH PEDESTRIAN ACCESS TO HAVE HEELSAFE GRATE.
- FOR DOWNPIPES THAT WILL BE CONNECTED INTO THE RWT REFER TO THE HYDRAULIC CONSULTANT DOCUMENTATION. THOSE DPs THAT ARE BYPASSING THE RWT TO BE CONNECTED DIRECTLY INTO THE STORMWATER NETWORK.
- CONTRACTOR TO ENSURE THAT THE BASE OF THE INFILTRATION TRENCH IS TO BE AT LEAST 1.0m ABOVE THE UNDERLYING WATER TABLE OR ROCK STRATUM, IF PRESENT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORKS.
- IF DURING CONSTRUCTION OF THE STORMWATER SYSTEM, LAYERED SOILS SUCH AS CLAY LENSES OR INDURATED MATERIAL ARE IDENTIFIED, FURTHER GEOTECHNICAL ADVICE SHOULD BE SOUGHT.





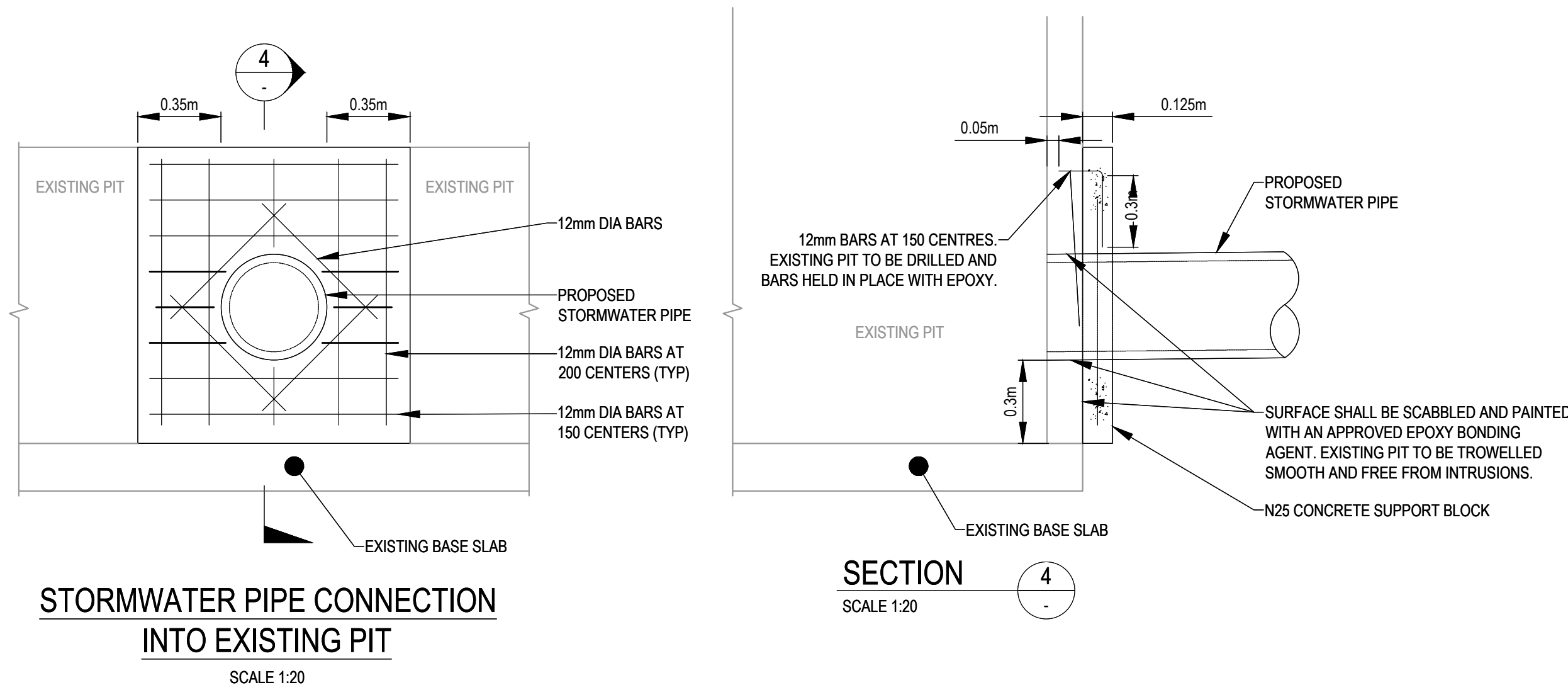
| INTERNAL PIT DIMENSIONS (MIN.) |     |      |
|--------------------------------|-----|------|
| 'D'                            | 'X' | 'Y'  |
| D < 600                        | 450 | 450* |
| 600 < D < 900                  | 600 | 600* |
| 900 < D < 1200                 | 600 | 900  |
| D > 1200                       | 900 | 900  |

NOTE: PITS DENOTED \*SHALL BE USED  
ONLY WHERE SPECIFIED  
IN DRAINAGE SCHEDULE OR ON PLAN

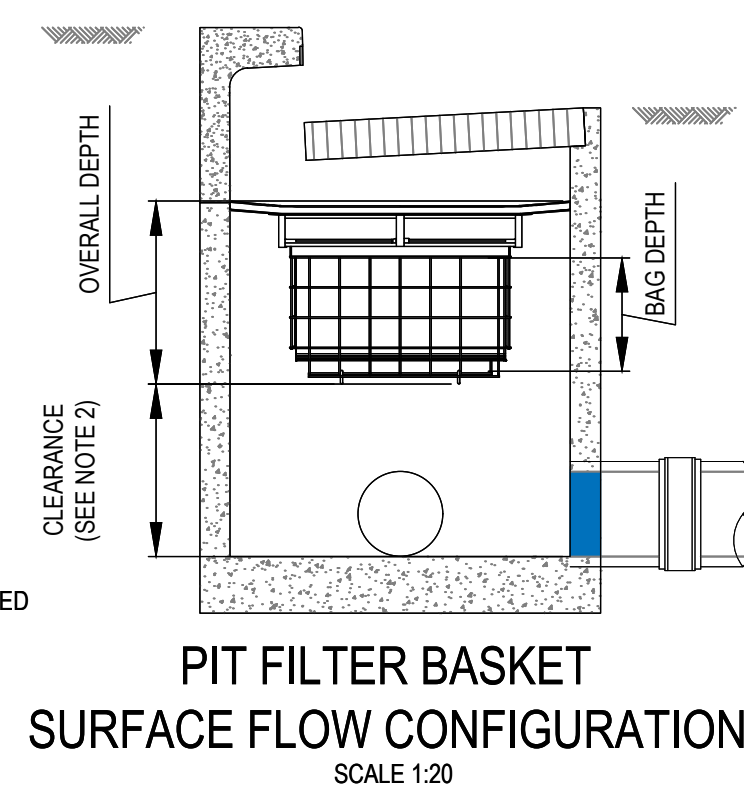


KERB INLET PIT  
SCALE 1:20

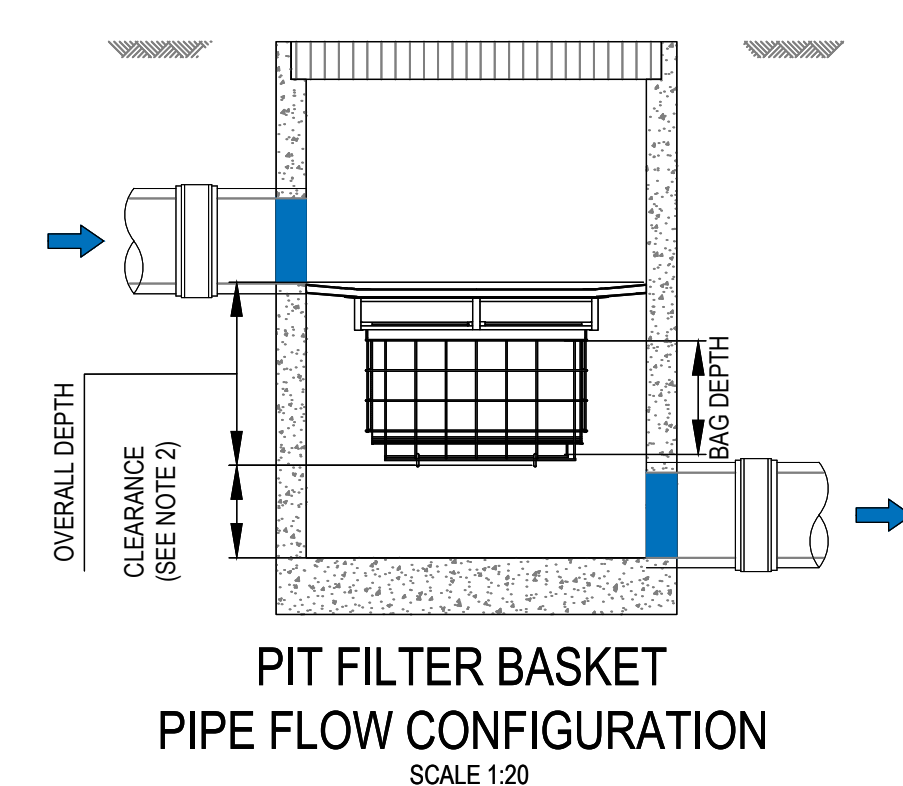
PROVIDE 3m LENGTH OF Ø100mm  
SUBSOIL DRAINAGE WRAPPED IN  
GEOTEXTILE FILTER FABRIC TO  
UPSTREAM SIDE OF PIT LAID  
WITHIN PIPE TRENCHING



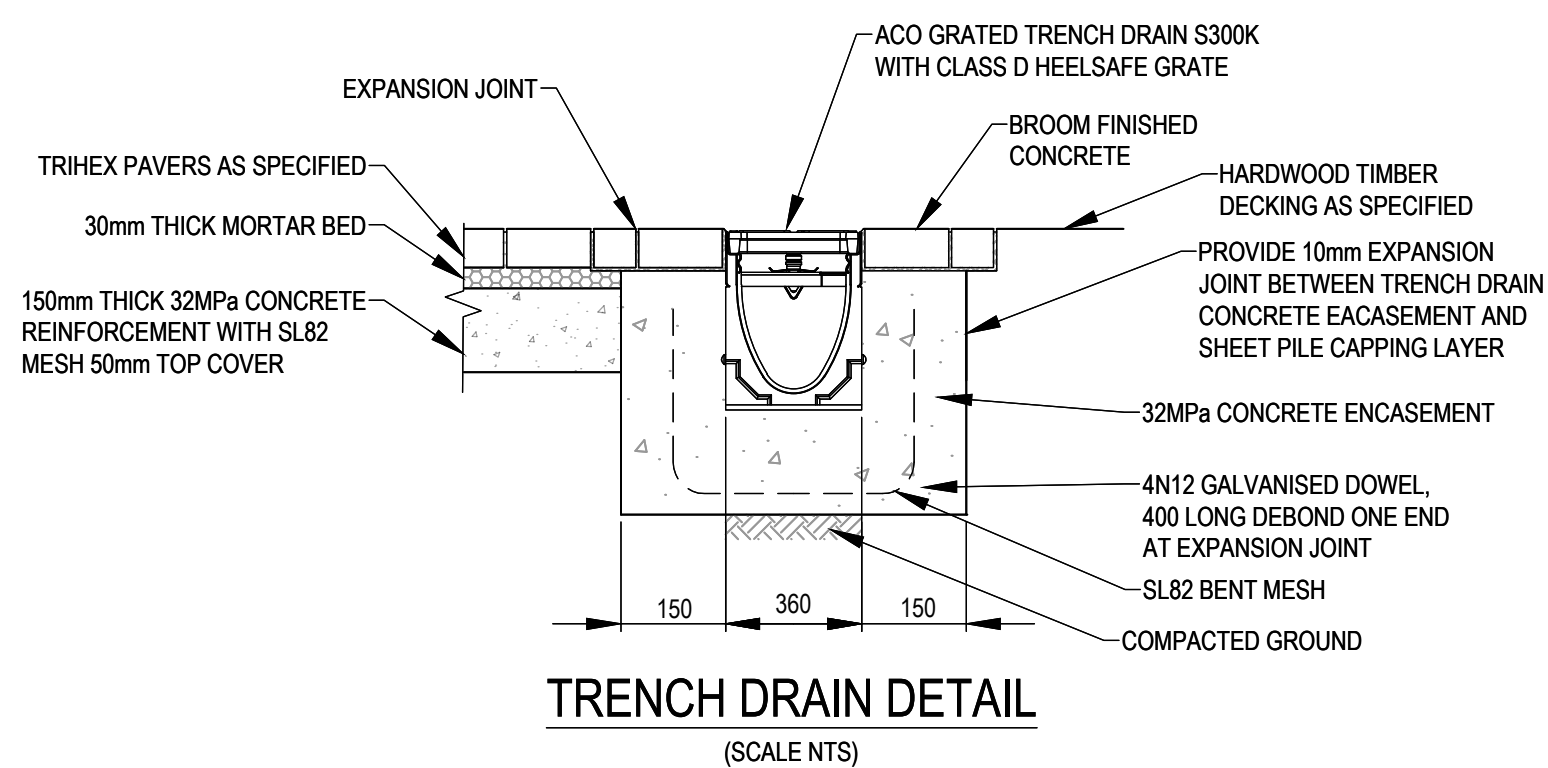
STORMWATER PIPE CONNECTION  
INTO EXISTING PIT  
SCALE 1:20



PIT FILTER BASKET  
SURFACE FLOW CONFIGURATION  
SCALE 1:20



PIT FILTER BASKET  
PIPE FLOW CONFIGURATION  
SCALE 1:20



### TRENCH DRAIN DETAIL

(SCALE NTS)



Key Plan: (NTS)

|                 |                      |     |      |            |
|-----------------|----------------------|-----|------|------------|
|                 |                      |     |      |            |
|                 |                      |     |      |            |
|                 |                      |     |      |            |
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Title

STORMWATER DRAINAGE DETAILS  
SHEET 1 OF 7

Project No.  
304000720

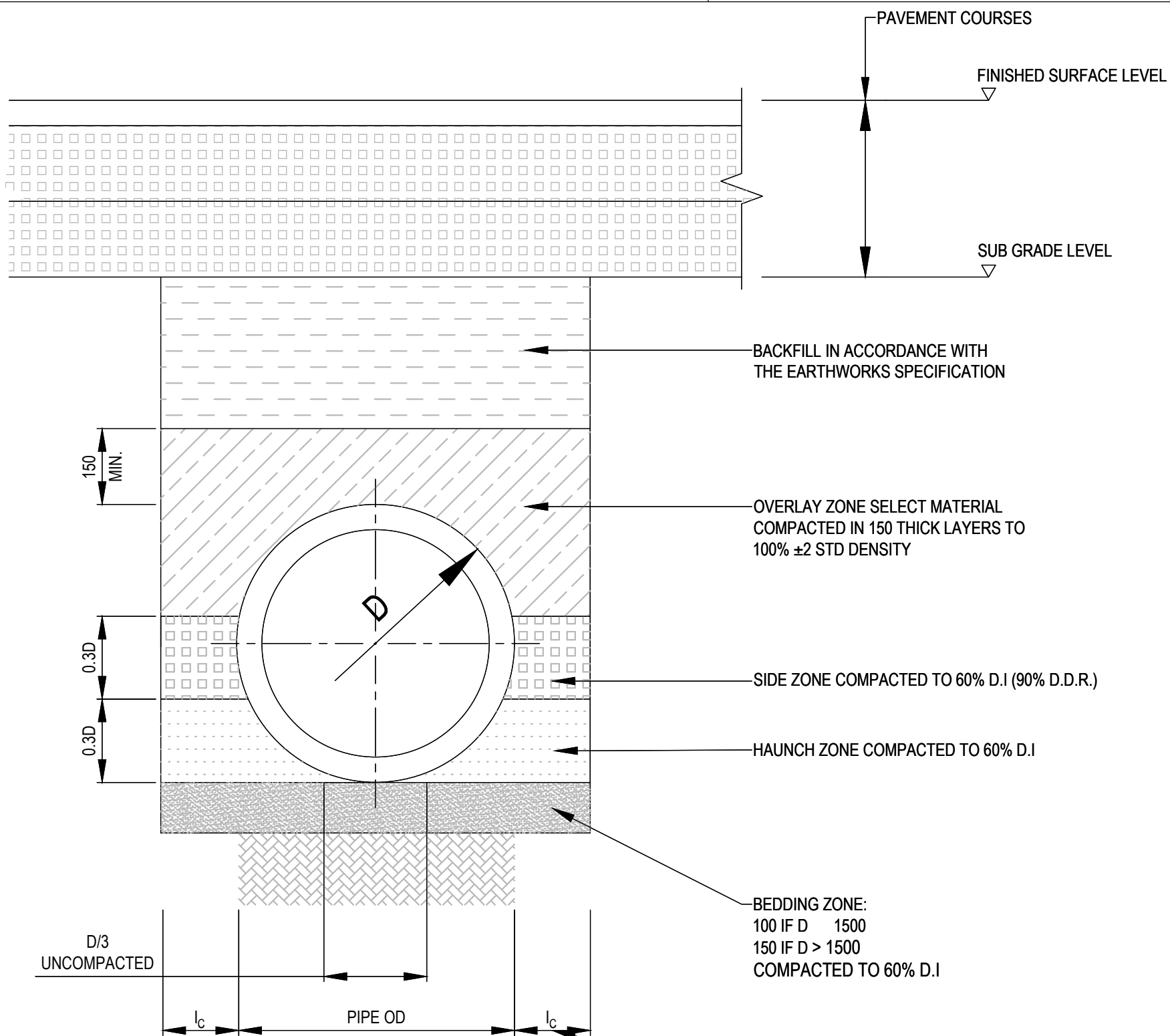
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| 1        |             |

Scale  
AS SHOWN

CI-1-526-001

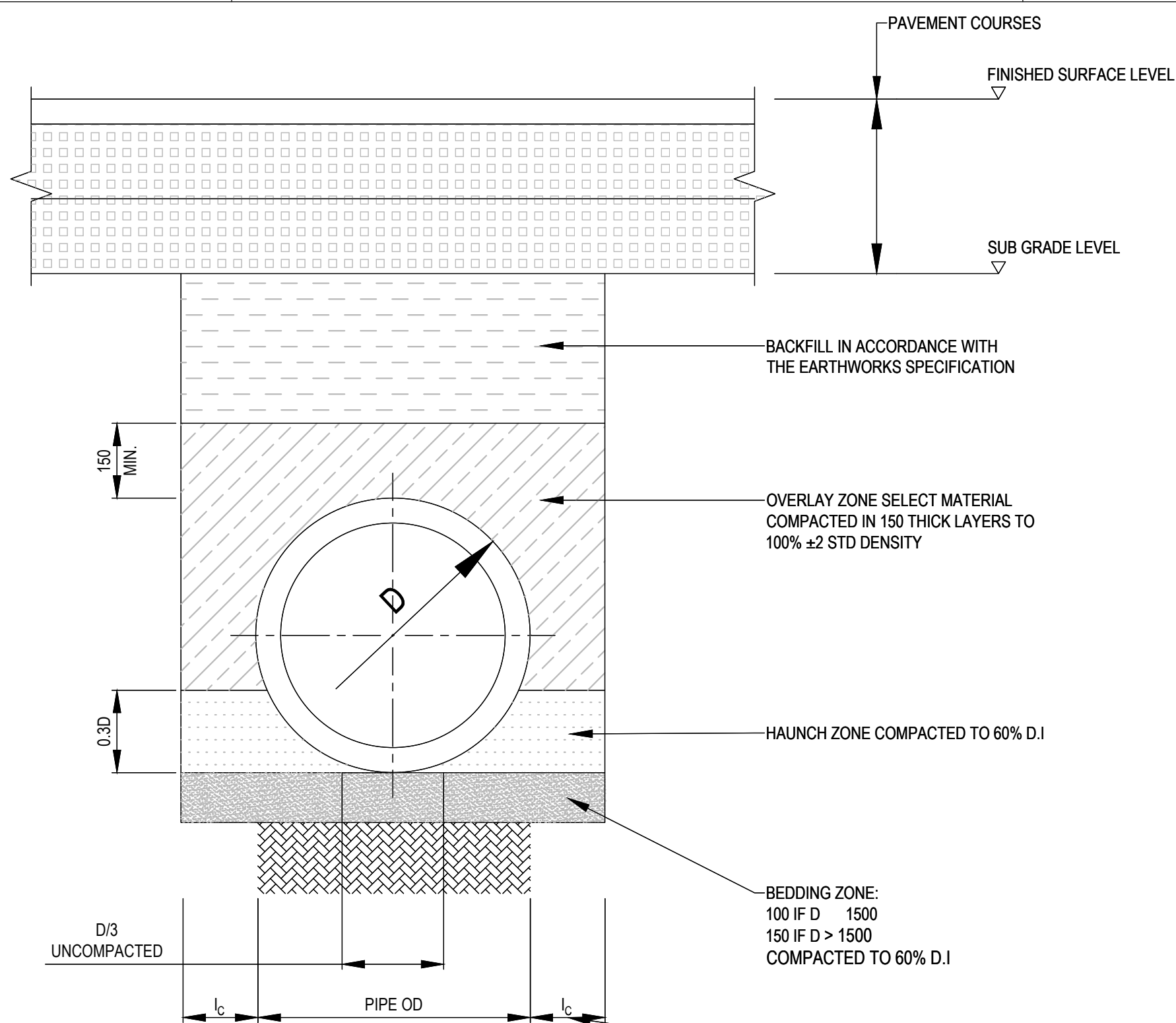


1  
2  
3  
4  
5  
C  
B  
A



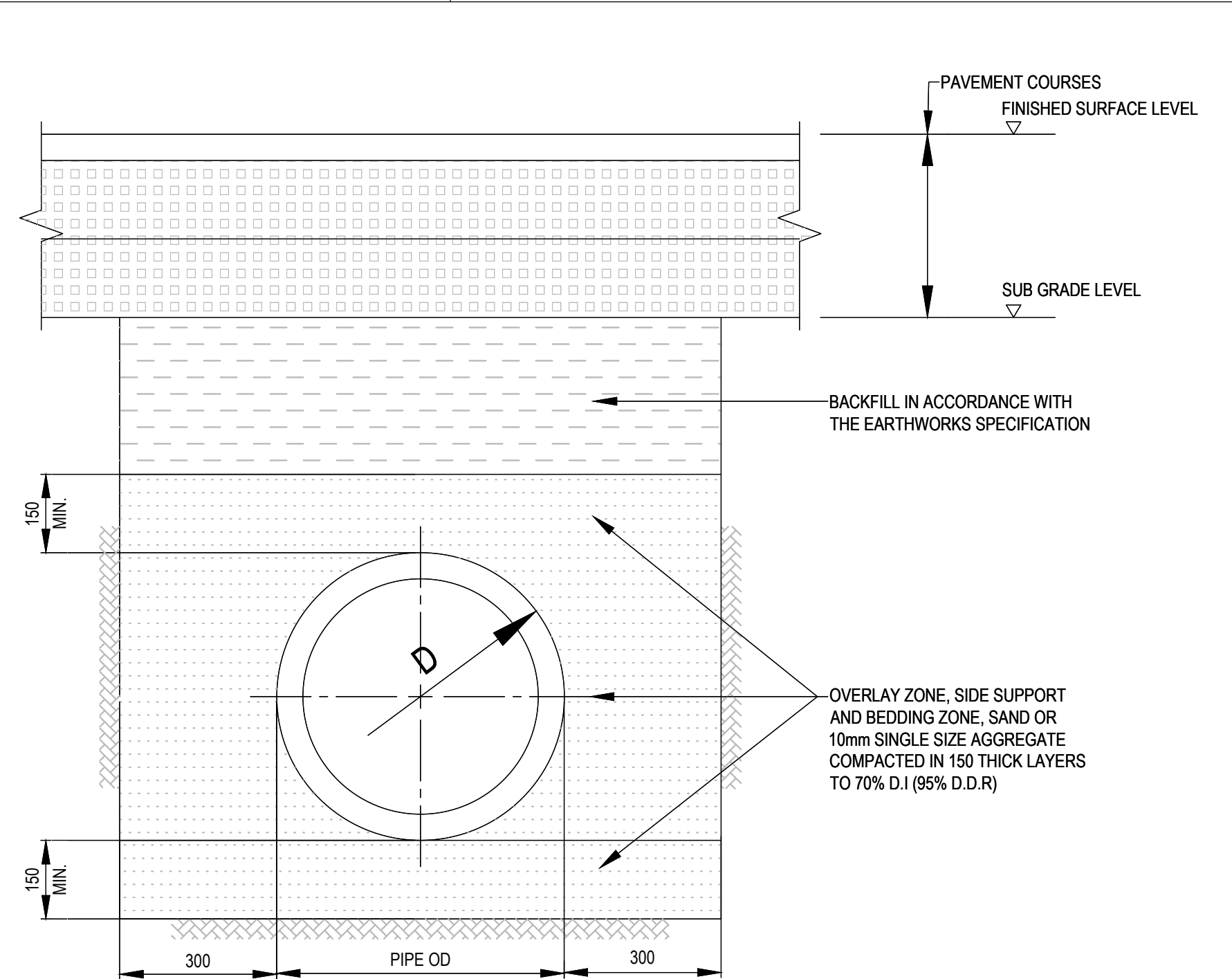
TYPE HS2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT (VEHICULAR)

SCALE 1:10



TYPE H2 SUPPORT TO CONCRETE PIPES UNDER PAVEMENT (NON-VEHICULAR)

SCALE 1:10



FLEXIBLE PIPES UNDER PAVEMENTS

SCALE 1:10

SAND GRADING (TABLE G3 AS 2566.2)

| SIEVE SIZE (mm) | WEIGHT PASSING (%) |
|-----------------|--------------------|
| 4.75            | 100 TO 90          |
| 2.36            | 90 TO 100          |
| 1.18            | 85 TO 100          |
| 0.60            | 70 TO 100          |
| 0.30            | 50 TO 100          |
| 0.15            | 0 TO 40            |
| 0.075           | 0 TO 5             |

10mm SINGLE-SIZE AGGREGATE GRADING (TABLE G2 AS 2566.2)

| SIEVE SIZE (mm) | WEIGHT PASSING (%) |
|-----------------|--------------------|
| 13.20           | 100                |
| 9.50            | 85 TO 100          |
| 4.75            | 0 TO 20            |
| 2.36            | 0 TO 5             |
| 0.075           | 0 TO 2             |

BEDDING & HAUNCH MATERIAL GRADING (TABLE 6 AS/NZS 3725)

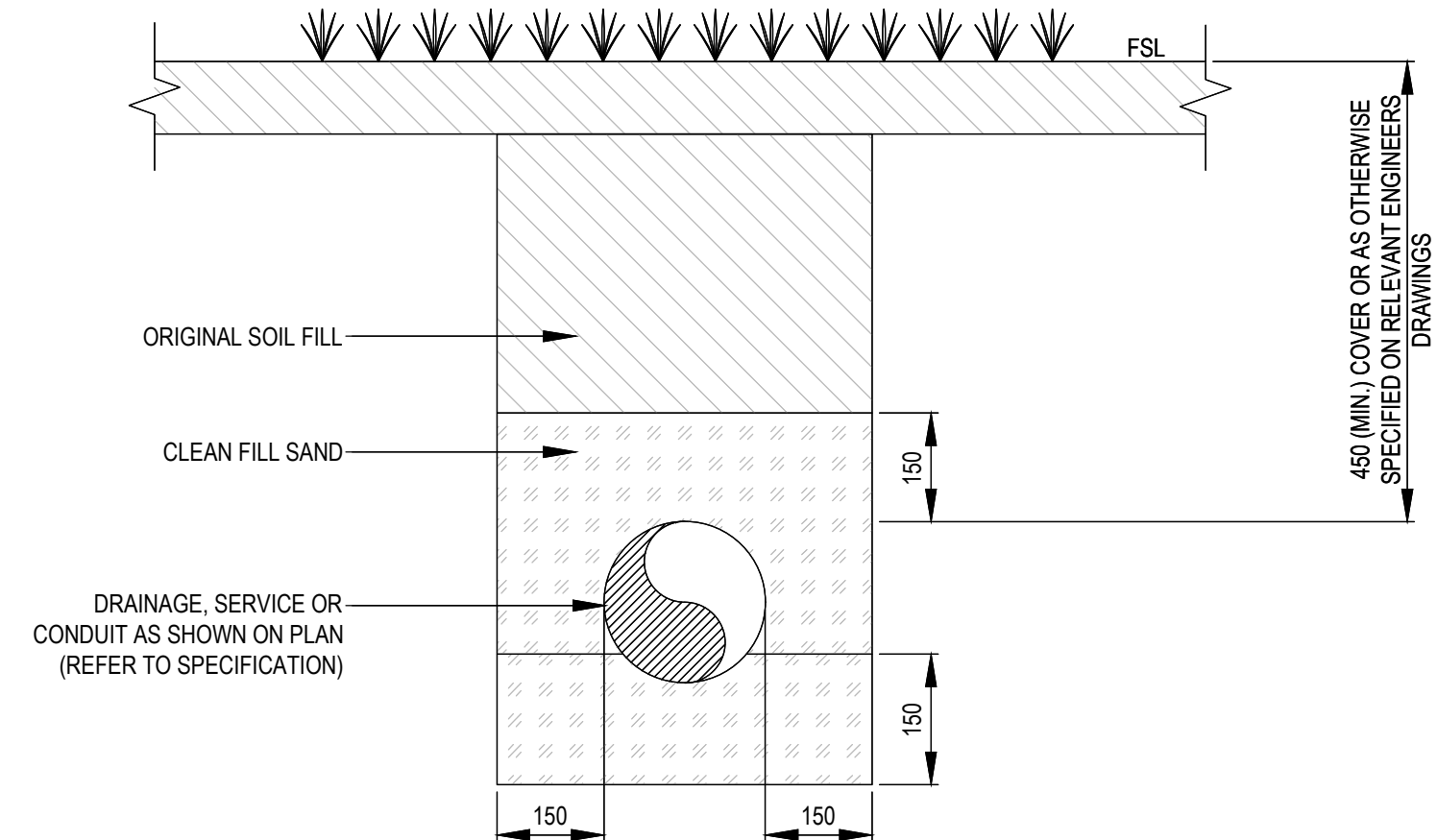
| SIEVE SIZE (mm) | WEIGHT PASSING (%) |
|-----------------|--------------------|
| 19.00           | 100                |
| 2.36            | 100 TO 50          |
| 0.60            | 90 TO 20           |
| 0.30            | 60 TO 10           |
| 0.15            | 25 TO 0            |
| 0.075           | 10 TO 0            |

SIDE ZONE WIDTH

| PIPE SIZE (mm) | l <sub>c</sub> (mm) |
|----------------|---------------------|
| ø900           | 150                 |
| ø1050          | 175                 |
| ø1200          | 200                 |
| ø1350          | 225                 |
| ø1500          | 250                 |
| ø1650          | 275                 |
| ø1800          | 300                 |

SIDE ZONE MATERIAL GRADING (TABLE 7 AS/NZS 3725)

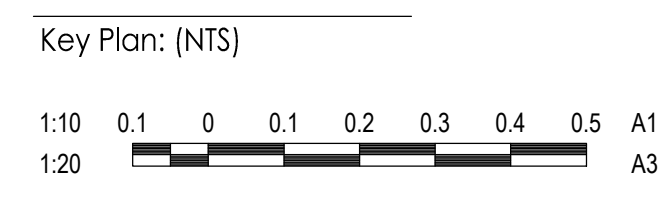
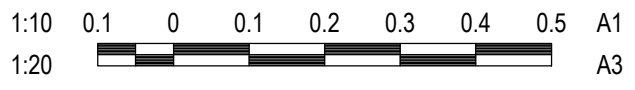
| SIEVE SIZE (mm) | WEIGHT PASSING (%) |
|-----------------|--------------------|
| 19.00           | 100                |
| 9.50            | 100 TO 50          |
| 2.60            | 100 TO 30          |
| 0.60            | 50 TO 15           |
| 0.075           | 25 TO 0            |



BACKFILL TO DRAINAGE, SERVICES AND CONDUITS IN LANDSCAPE AREAS (TYP.)

SCALE: NTS

- NOTES
1. TYPICAL DETAIL TO BE USED FOR ALL DRAINAGE SERVICES RUNNING UNDER LANDSCAPE
  2. DRAINAGE INCLUDES ALL GRAVITY SERVICES (INCLUDES CONCRETE AND PLASTIC PIPES)
  3. SERVICES INCLUDES ALL PRESSURE PIPES
  4. FOR NEW SERVICE PIPES OR CONDUITS, REFER TO PLANS FOR SIZES AND LOCATIONS



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Client/Project Logo

**NSW** Education  
School Infrastructure

Client/Project

SINSW

AUSTRAL PUBLIC SCHOOL UPGRADE

205 EDMONDSON AVENUE, AUSTRAL, NSW 2179

File Name: 304000720-CH-1-526-001.DWG

2023.03.31

Dwn. Dign. Chkd. YYYY.MM.DD

Title

STORMWATER DRAINAGE DETAILS  
SHEET 2 OF 7

Project No. 304000720

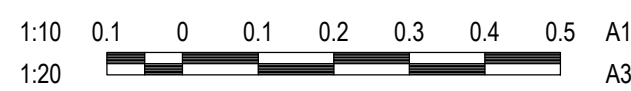
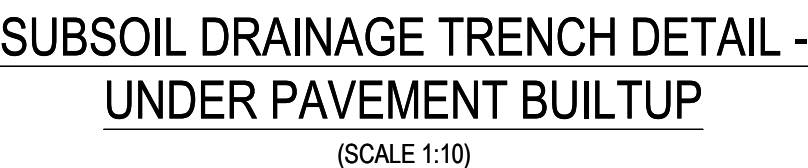
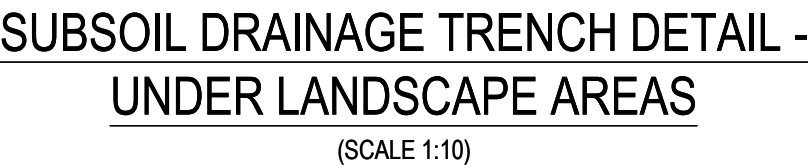
Scale 1:10

Revision I

Drawing No.

**CI-1-526-002**



Key Plan: (NTS)

|                 |                      |     |      |            |
|-----------------|----------------------|-----|------|------------|
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|                 |                      |     |      |            |
| I               | ISSUED FOR REF       | HAL | AT   | 2025.01.17 |
| H               | ISSUED FOR DA        | LPT | VE   | 2024.06.06 |
| G               | ISSUED FOR DA        | LPT | VE   | 2024.05.21 |
| F               | ISSUED FOR DA        | LPT | JMB  | 2024.03.18 |
| E               | ISSUED FOR DA        | LPT | JMB  | 2024.03.08 |
| D               | ISSUED FOR DA        | LPT | JMB  | 2024.02.23 |
| C               | 95% SCHEMATIC DESIGN | LPT | JMB  | 2023.02.02 |
| B               | 50% SCHEMATIC DESIGN | LPT | MDR  | 2023.12.15 |
| A               | CONCEPT DESIGN       | LPT | MDR  | 2023.03.31 |
| Issued/Revision |                      | By  | Appd | YYYY.MM.DD |

Issue Status

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**Notes**

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Client/Project Logo

 NSW GOVERNMENT Education School Infrastructure

Client/Project  
SINSW

# AUSTRAL PUBLIC SCHOOL UPGRADE

205 EDMONDSON AVENUE, AUSTRAL, NSW 2179

|                                       |      |       |       |            |
|---------------------------------------|------|-------|-------|------------|
| File Name: 304000720-CI-1-526-001.DWG | -    | -     | -     | 2023.03.31 |
|                                       | Dwn. | Dsgn. | Chkd. | YYYY.MM.DD |

Title  
STORMWATER DRAINAGE DETAILS  
SHEET 3 OF 7

Project No.  
304000720

Revis  
I

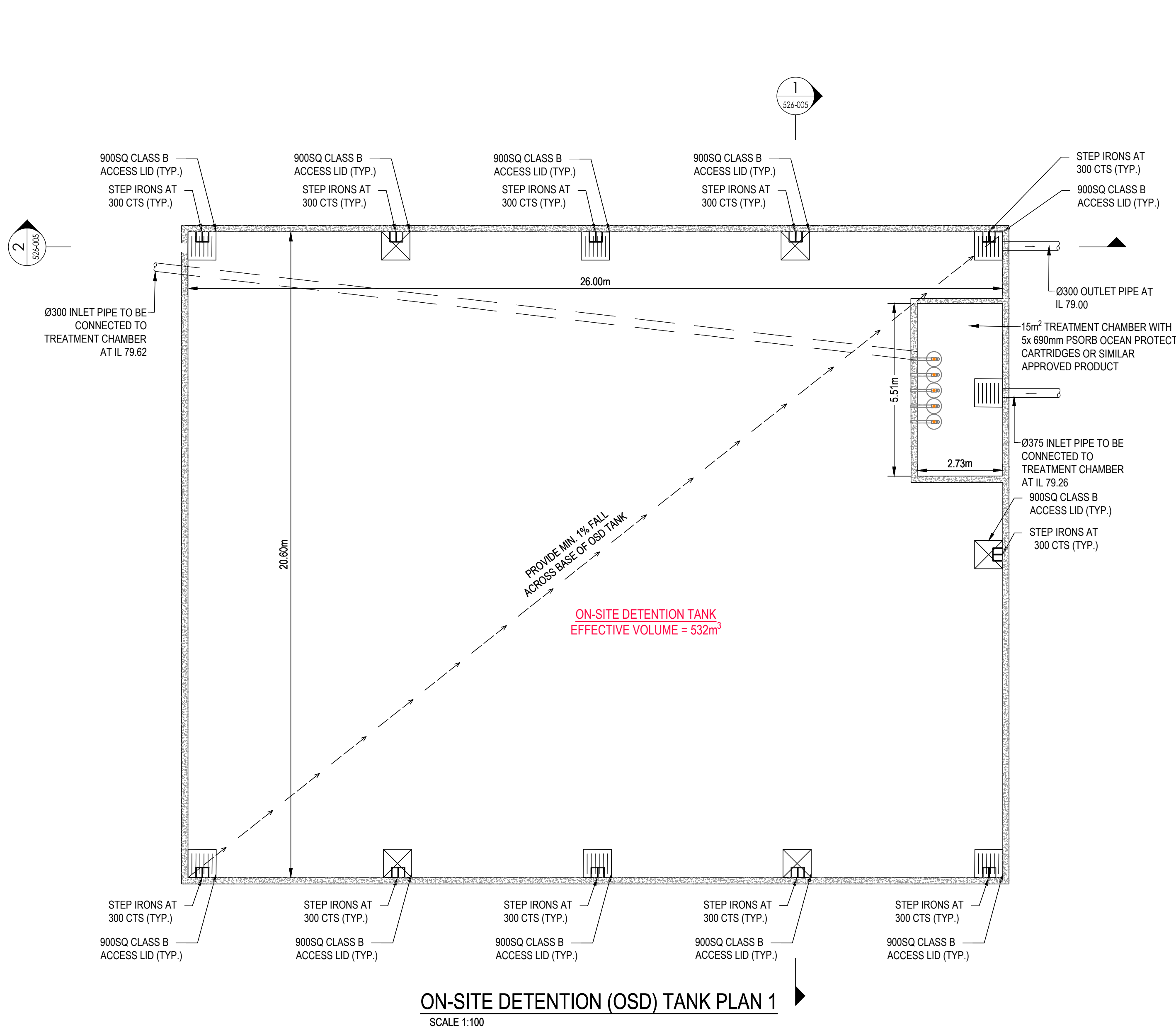
Drawing No.

Scale  
AS SPECIFIED

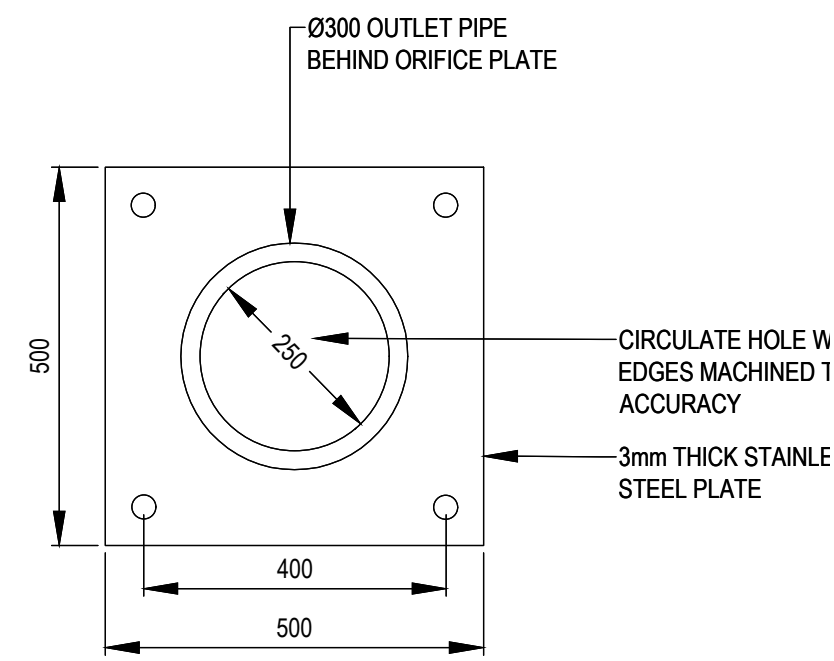
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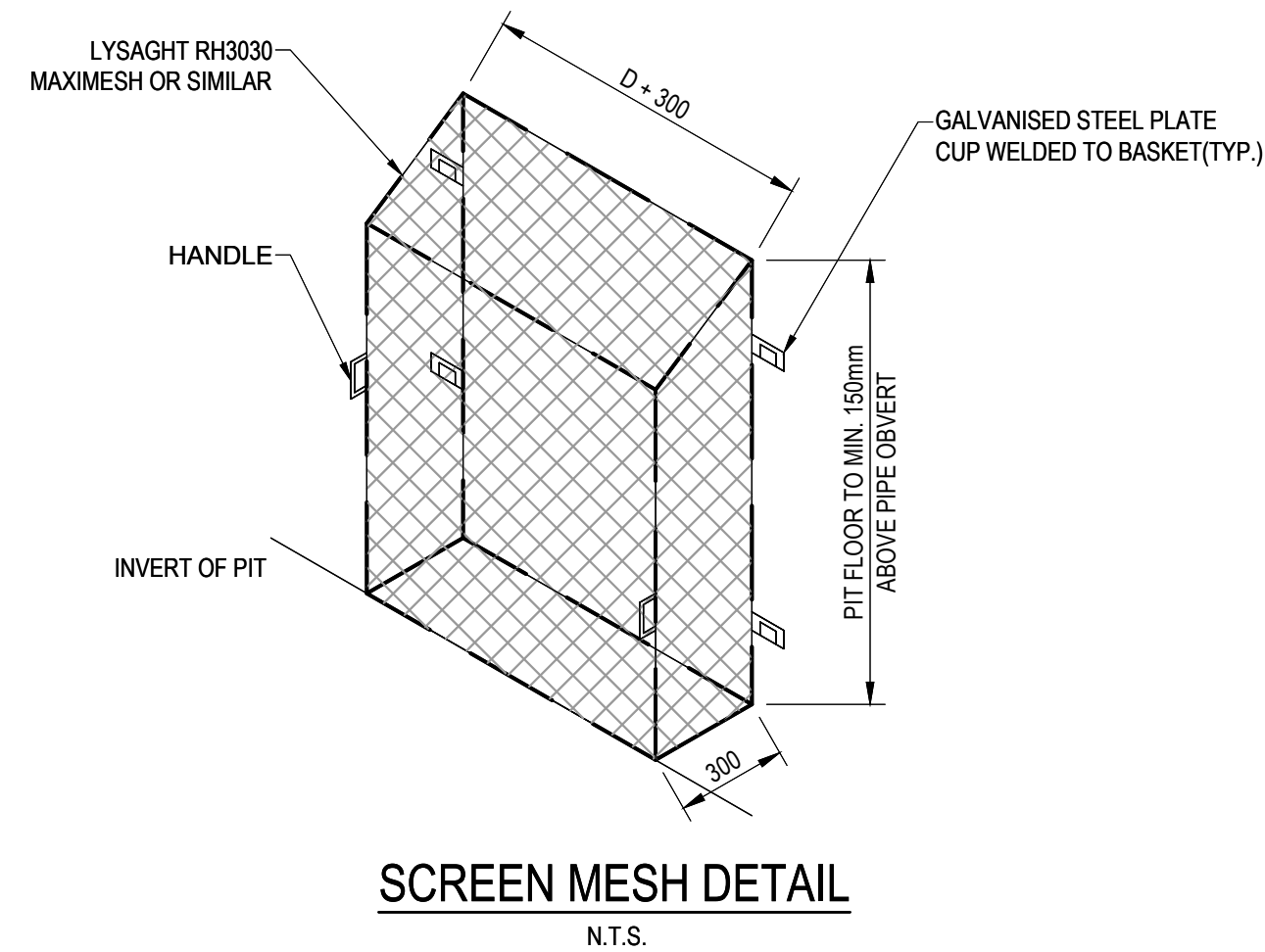
\\A0002\HARPLE\_C\PROJECTS\PROJECTS\2024\001\PROJECT DOCUMENTATION\CD\DRAWINGS & DESIGN SHEET SET\101



ON-SITE DETENTION (OSD) TANK PLAN 1  
SCALE 1:100



ORIFICE PLATE DETAIL  
OSD TANK 1  
SCALE 1:10



SCREEN MESH DETAIL  
N.T.S.

Key Plan: (NTS)

|                 |                      |     |      |            |
|-----------------|----------------------|-----|------|------------|
| I               | ISSUED FOR REF       | HAL | AT   | 2025.01.17 |
| H               | ISSUED FOR DA        | LPT | VE   | 2024.06.06 |
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| F               | ISSUED FOR DA        | LPT | JMB  | 2024.03.18 |
| E               | ISSUED FOR DA        | LPT | JMB  | 2024.03.08 |
| D               | ISSUED FOR DA        | LPT | JMB  | 2024.02.23 |
| C               | 95% SCHEMATIC DESIGN | LPT | JMB  | 2023.02.02 |
| B               | 50% SCHEMATIC DESIGN | LPT | MDR  | 2023.12.15 |
| A               | CONCEPT DESIGN       | LPT | MDR  | 2023.03.31 |
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Client/Project Logo



Client/Project  
SINSW

AUSTRAL PUBLIC SCHOOL UPGRADE

205 EDMONDSON AVENUE, AUSTRAL, NSW 2179

File Name: 304000720-CH-1-526-001.DWG  
Dwn. Dign. Chkd. 2023.03.31  
YYYY.MM.DD

Title

STORMWATER DRAINAGE DETAILS  
SHEET 4 OF 7

Project No.  
304000720

Scale  
1:100

Revision  
1

Drawing No.

CI-1-526-004



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Key Plan: (NTS)

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|-----------------|----------------------|-----|------|------------|
| I               | ISSUED FOR REF       | HAL | AT   | 2025.01.17 |
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| G               | ISSUED FOR DA        | LPT | VE   | 2024.05.21 |
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| E               | ISSUED FOR DA        | LPT | JMB  | 2024.03.08 |
| D               | ISSUED FOR DA        | LPT | JMB  | 2024.02.23 |
| C               | 95% SCHEMATIC DESIGN | LPT | JMB  | 2023.02.02 |
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YYYY.MM.DD

Title

**STORMWATER DRAINAGE DETAILS**  
**SHEET 5 OF 7**

Project No.  
304000720

Scale  
NTS

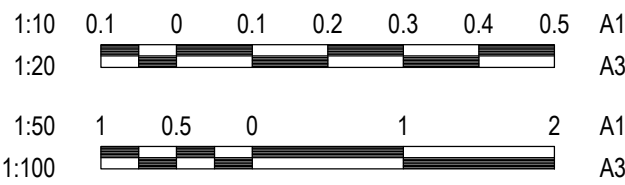
Revision  
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Drawing No.

**CI-1-526-005**



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Key Plan: (NTS)

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| E               | ISSUED FOR DA        | LPT | VE   | 2024.05.21 |
| D               | ISSUED FOR DA        | LPT | JMB  | 2024.03.18 |
| C               | ISSUED FOR DA        | LPT | JMB  | 2024.03.08 |
| B               | ISSUED FOR DA        | LPT | JMB  | 2024.02.23 |
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YYYY.MM.DD

Title

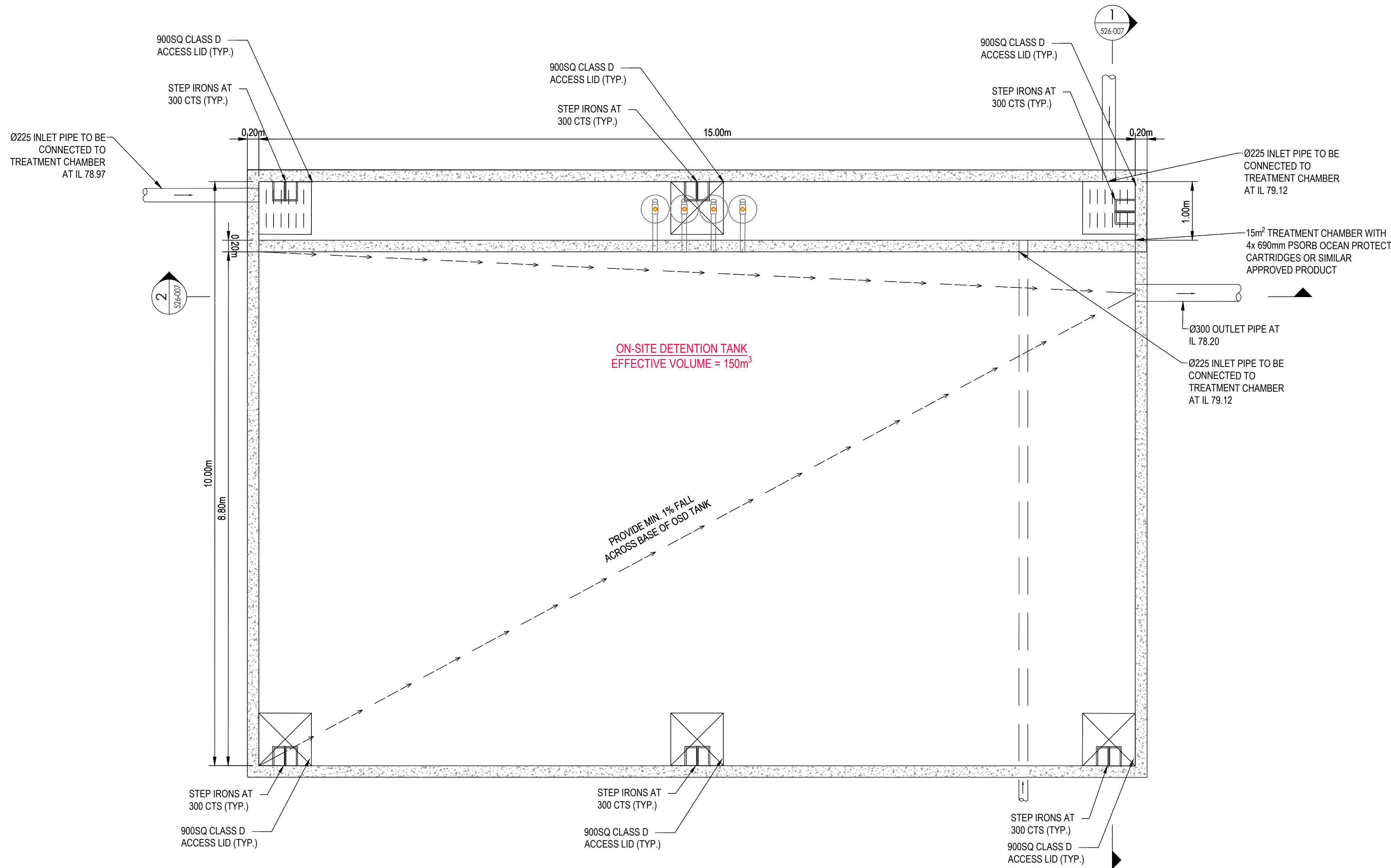
STORMWATER DRAINAGE DETAILS  
SHEET 6 OF 7

Project No.  
304000720

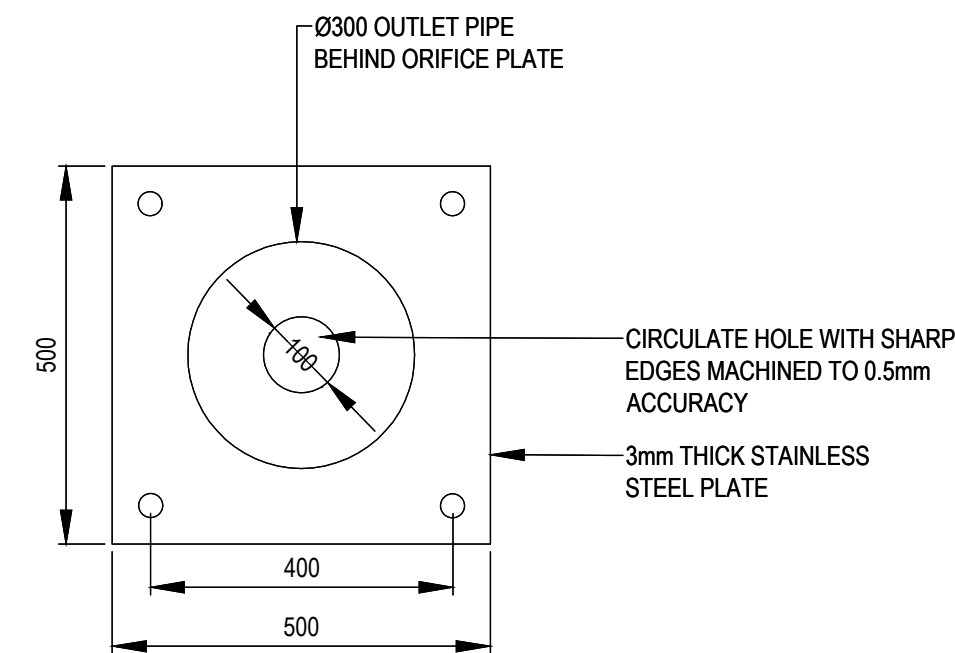
Scale  
1:100

Revision  
G Drawing No.

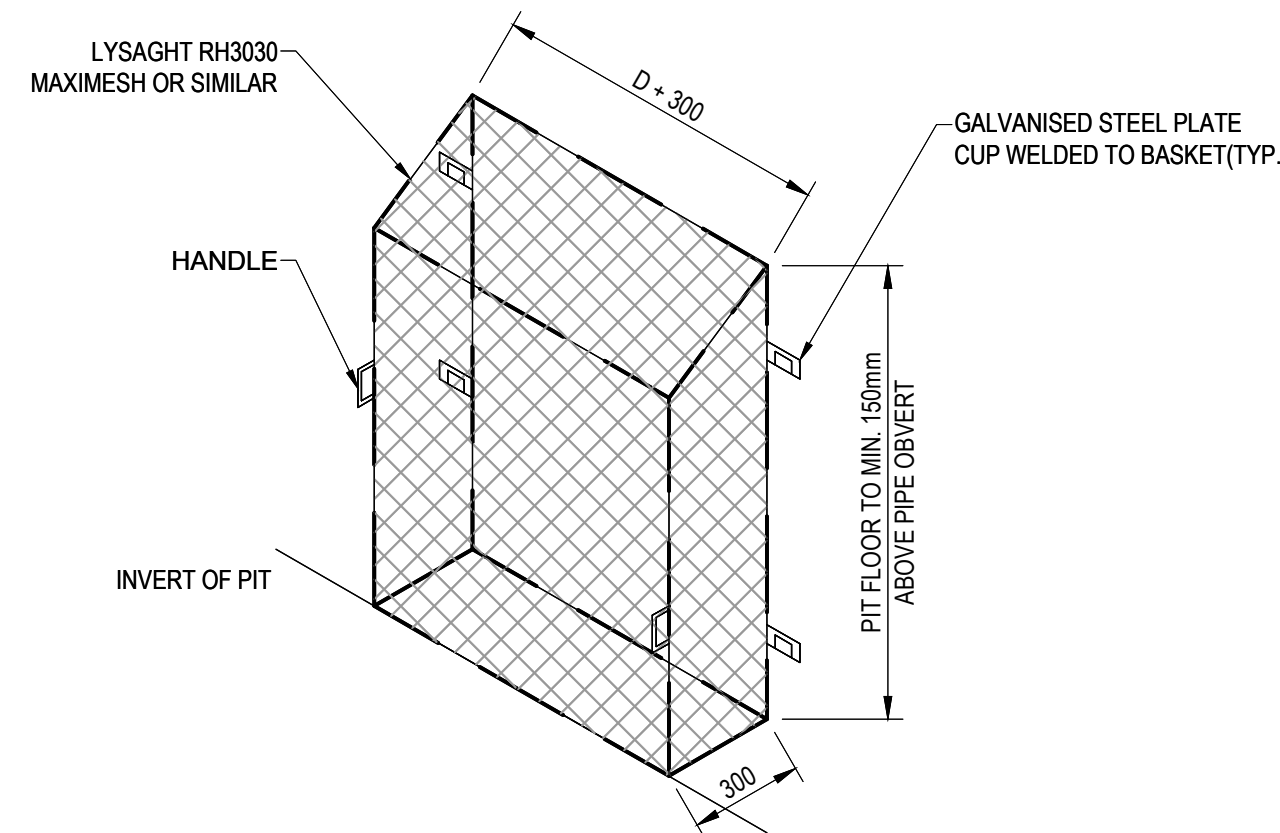
CI-1-526-006



**ON-SITE DETENTION (OSD) TANK PLAN 2**  
SCALE 1:50



**ORIFICE PLATE DETAIL**  
**OSD TANK 2**  
SCALE 1:10



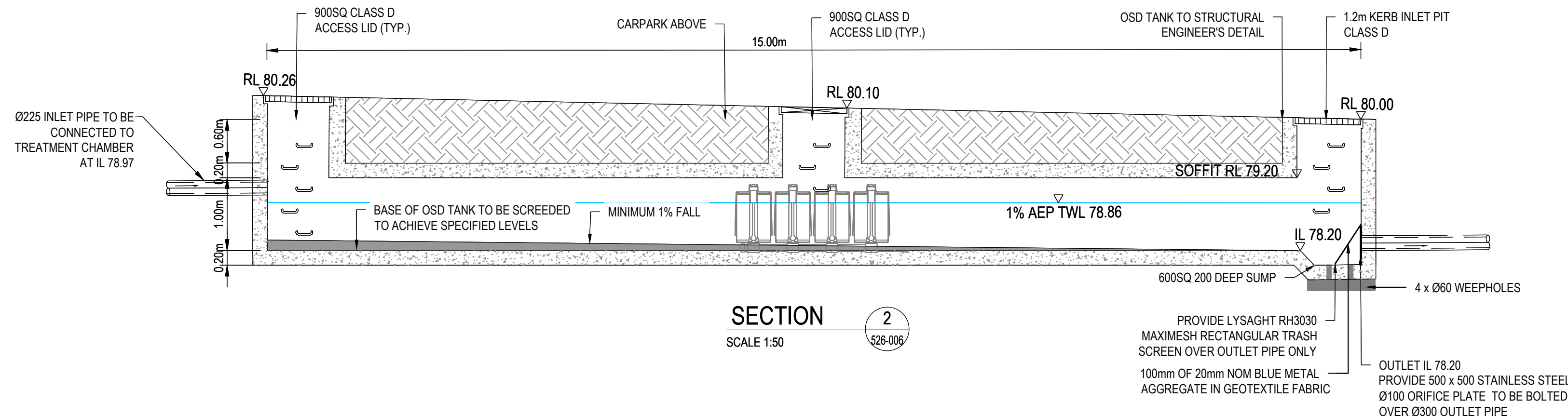
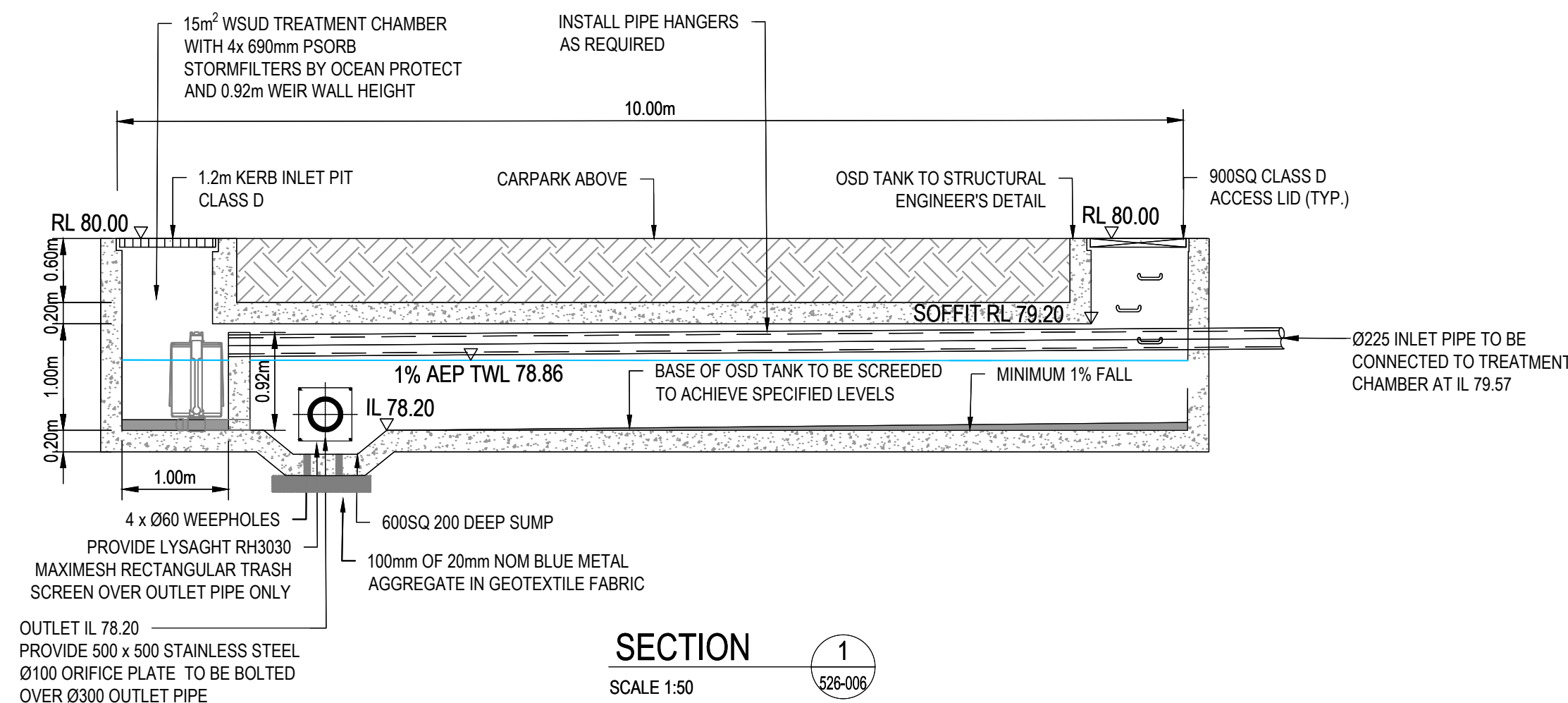
**SCREEN MESH DETAIL**  
N.T.S.



C

B

A



Key Plan: (NTS)

|                 |                      |     |      |            |
|-----------------|----------------------|-----|------|------------|
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| B               | ISSUED FOR DA        | LPT | JMB  | 2024.02.23 |
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Client/Project Logo



Client/Project  
SINSW

AUSTRAL PUBLIC SCHOOL UPGRADE

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| File Name: 304000720-CI-1-526-001.DWG | -    | -    | -     | 2024.02.02 |
|                                       | Dwn. | Dsn. | Chkd. | YYYY.MM.DD |

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Title

STORMWATER DRAINAGE DETAILS  
SHEET 7 OF 7

Project No.  
304000720

Scale  
1:500

|          |             |
|----------|-------------|
| Revision | Drawing No. |
| <b>G</b> |             |

CI-1-526-007



