

PIT NOTES:

PITS:

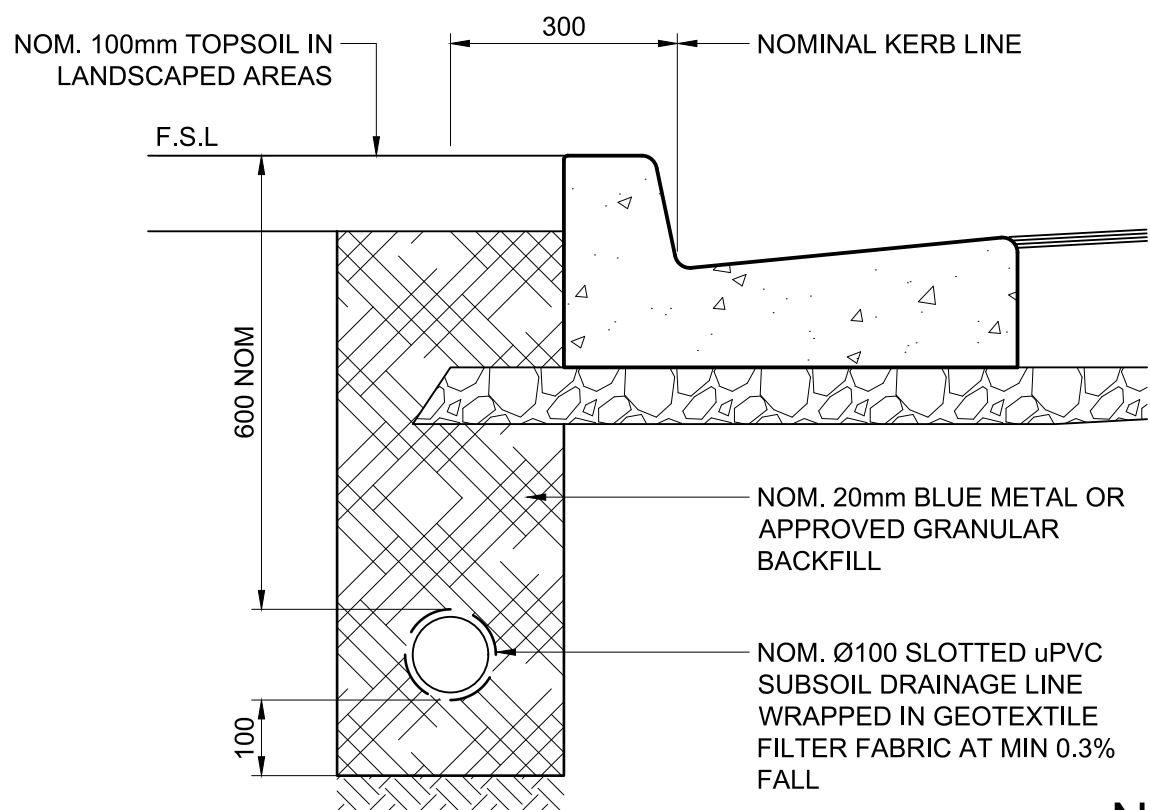
- HOLES BROKEN/FORMED IN PRE-CAST PITS FOR THE INSERTION OF PIPES SHALL BE MADE WATERTIGHT AND REINSTATED WITH A STIFF MORTAR (3 CEMENT:1 FINE AGGREGATE) OR EPOXY BASED SEALANT.
- IF PIT DEPTH IS GREATER THAN 1500mm BUT LESS THAN 3000mm, INSITU REINFORCEMENT IS N16-150 EW.
- WIDTH OF PIT WALL TO BE EXTENDED ACCORDINGLY TO ACCOMMODATE TWIN PIPES. INSITU REINFORCEMENT TO SUIT ACCORDINGLY.

BENCHING:

- MASS CONCRETE BENCHING WITHIN PITS MUST BE FORMED SO AS TO CONVEY WATER FROM INLET(S) TO OUTLET.
- BENCHING SHOULD BE ACHIEVE MINIMUM CROSS FALLS WITHIN PITS AS REQUIRED BY ENSTRUCT'S PIT DETAILS AND AUSTRALIAN STANDARDS.
- NO WATER STAND IN PITS WHEN BENCHING IS COMPLETE.

STEP IRONS:

- STEP IRONS TO AS1657 AND EN13101 ARRANGED IN A SINGLE WIDTH TREAD FORMATION (MIN LENGTH 350mm) OR A SINGLE COLUMN, DOUBLE WIDTH TREAD (MIN LENGTH 150mm) STAGGERED DOUBLE COLUMN.
- STEP IRONS TO BE INDUSTRIAL STEP, SURE-STEP OR SIMILAR APPROVED. MINIMUM THICKNESS OF TREAD 20mm WITH UPSTAND HEIGHT 20mm AT EACH END OF THE TREAD TO PREVENT LATERAL SLIP.
- STEPS TO BE CHEMICALLY/PHYSICALLY ANCHORED INTO THE PIT WALLS IN ACCORDANCE WITH THE STEP IRON MANUFACTURER'S DETAILS.
- STEP IRONS TO BE LOCATED SO AS TO BE READY ACCESSIBLE FROM THE COVER. WHERE INTERNAL PIT SIZE EXCEEDS 1200x1200 THE COVER SLAB, FRAME & COVER POSITION SHOULD BE LOCALLY DISPLACED TO SUIT ACCESS TO THE STEP IRONS. REFER TO ENGINEER FOR CLARIFICATION IF REQUIRED.



SUBSOIL BEHIND KERBS

SCALE 1:10

NOTE:

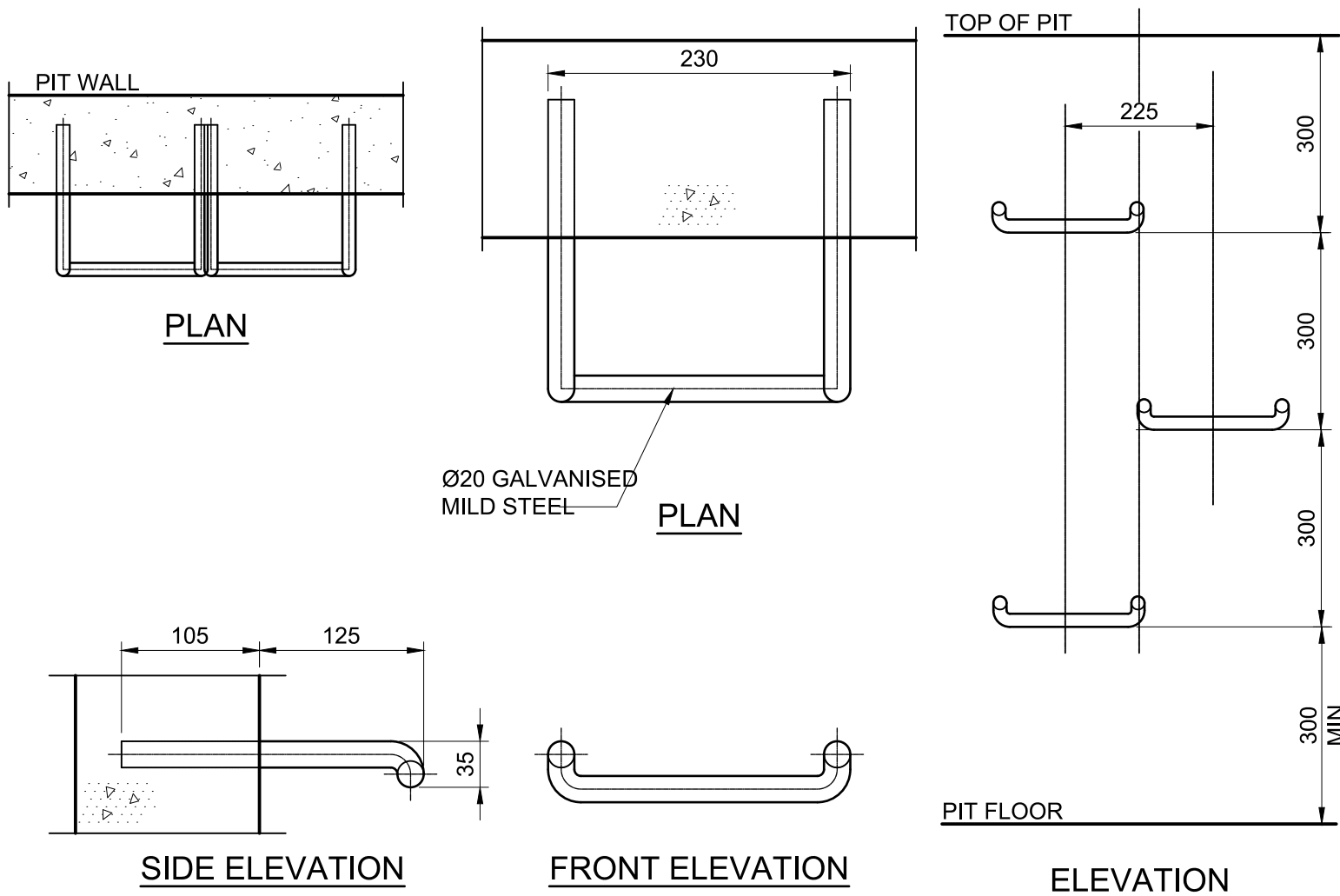
- SUBSOIL DRAINAGE LINE TO BE PROVIDED WHERE SHOWN ON PLAN.
- SUBSOIL FLUSHING POINTS TO BE PROVIDED AT 50m MAX INTERVALS ALONG SUBSOIL LINES AND PAVEMENT DRAINS, AT CHANGES IN DIRECTION OF SUBSOIL LINES, AND AT INTERSECTIONS OF SUBSOIL LINES.

INTERMEDIATE RISER - IO

SCALE 1:10

HIGH END RISER - HER

SCALE 1:10



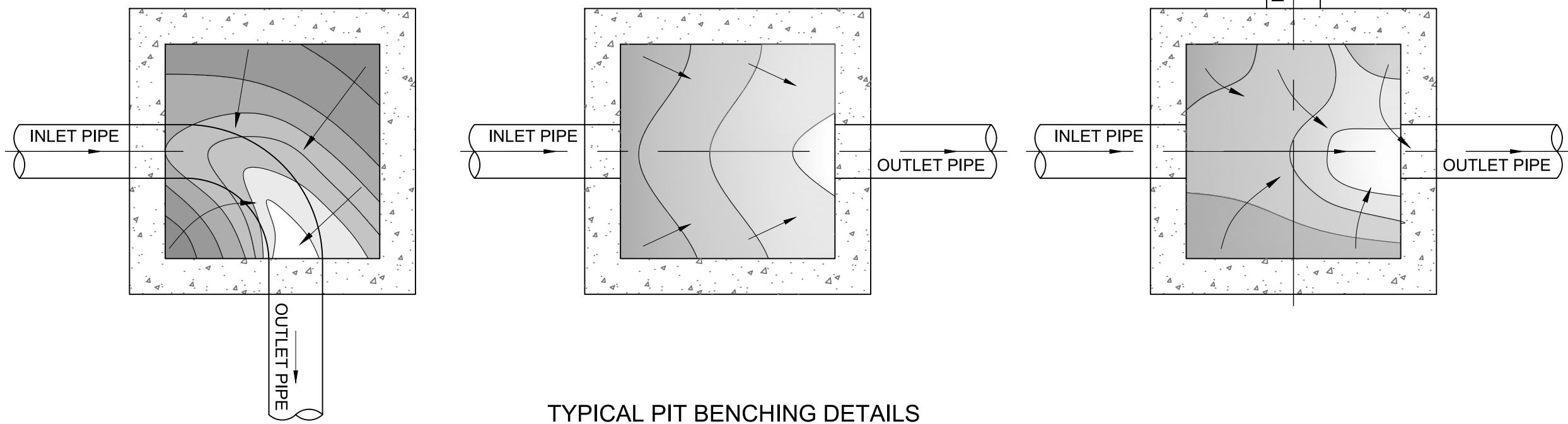
STEP IRON DETAIL

SCALE 1:5

ALL STEPS IRON TO BE PLASTIC COATED

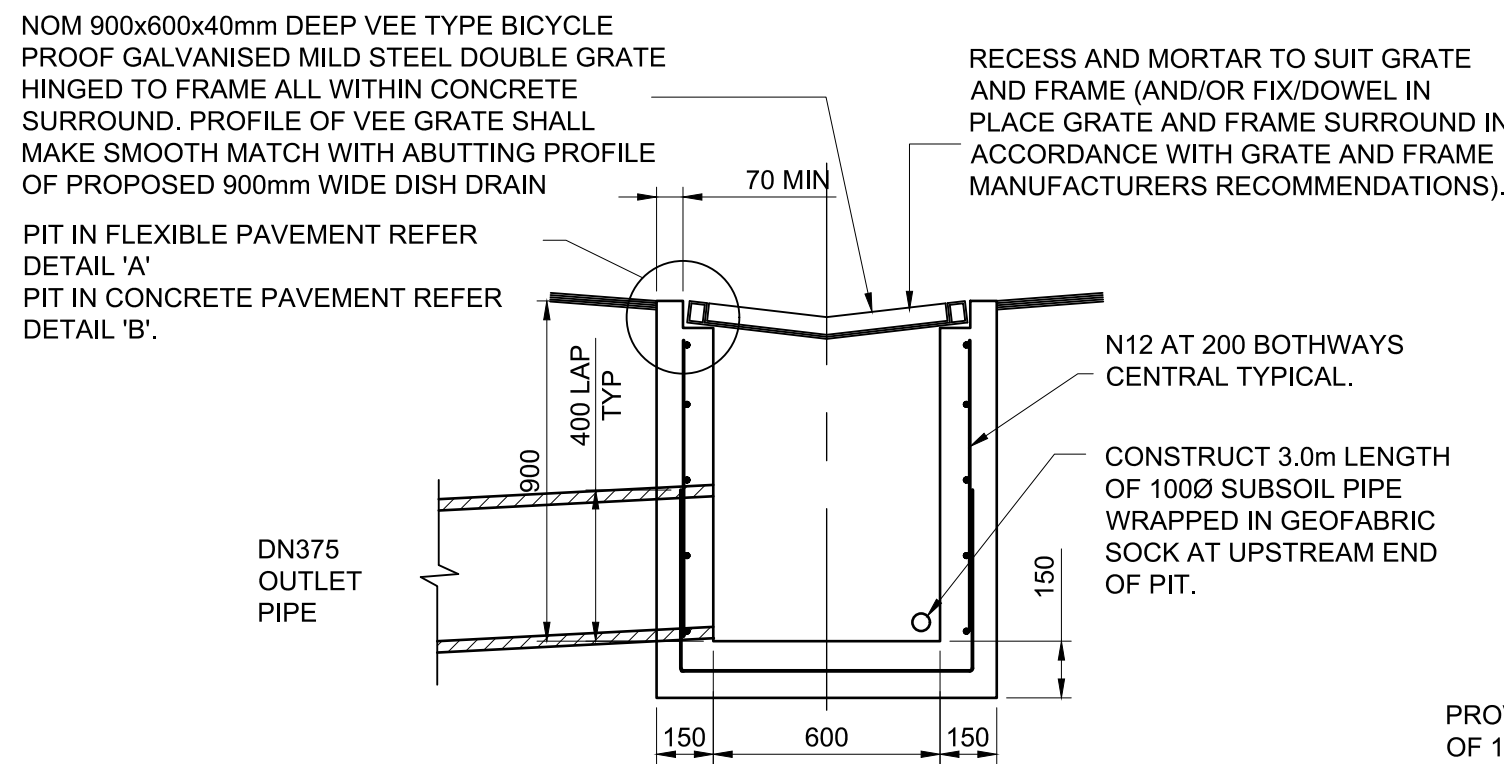
STEP IRON PLACEMENT TO PIT WALL

SCALE NTS



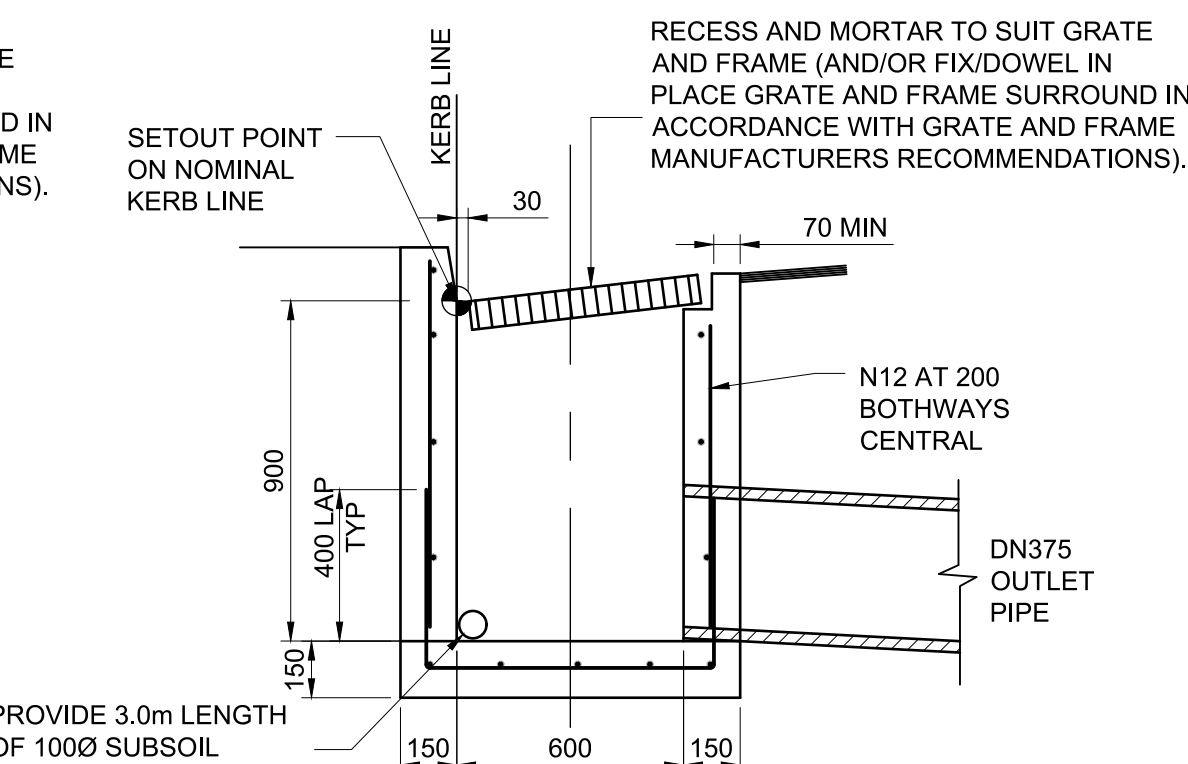
TYPICAL PIT BENCHING DETAILS

SCALE 1:20



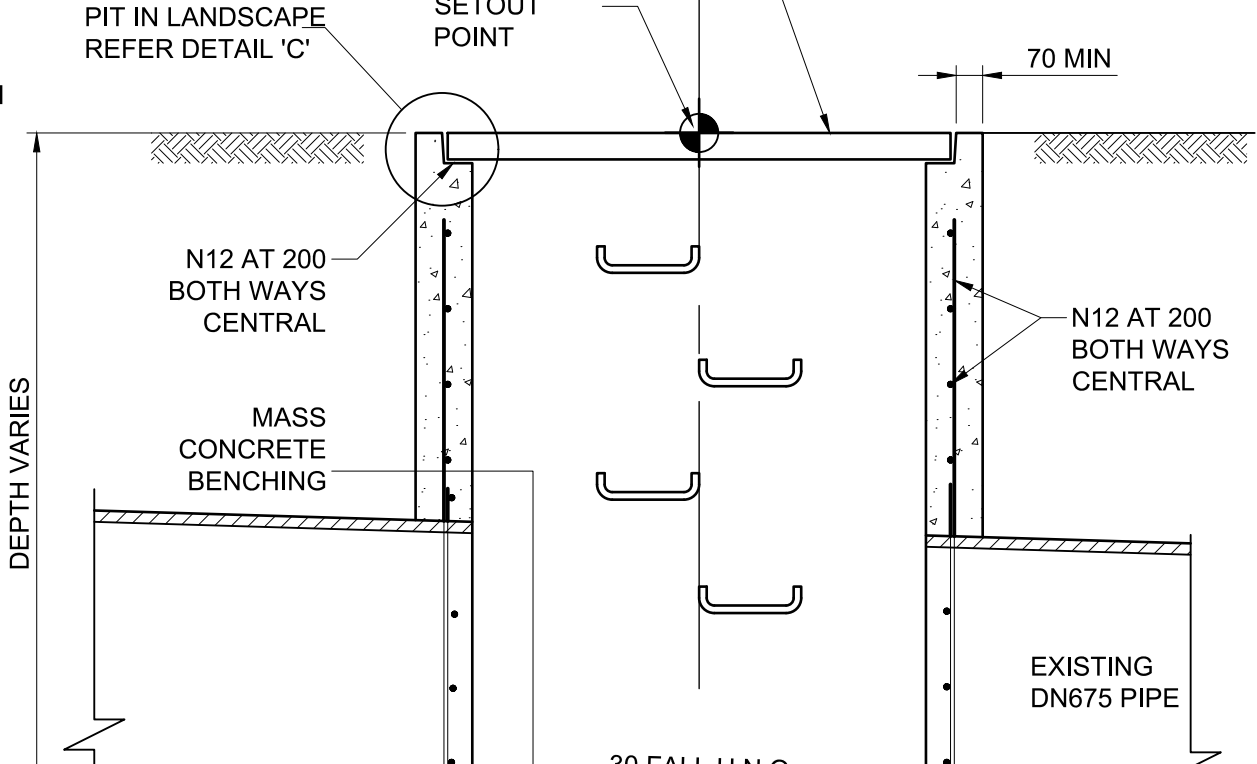
SECTION 1

SCALE 1:20



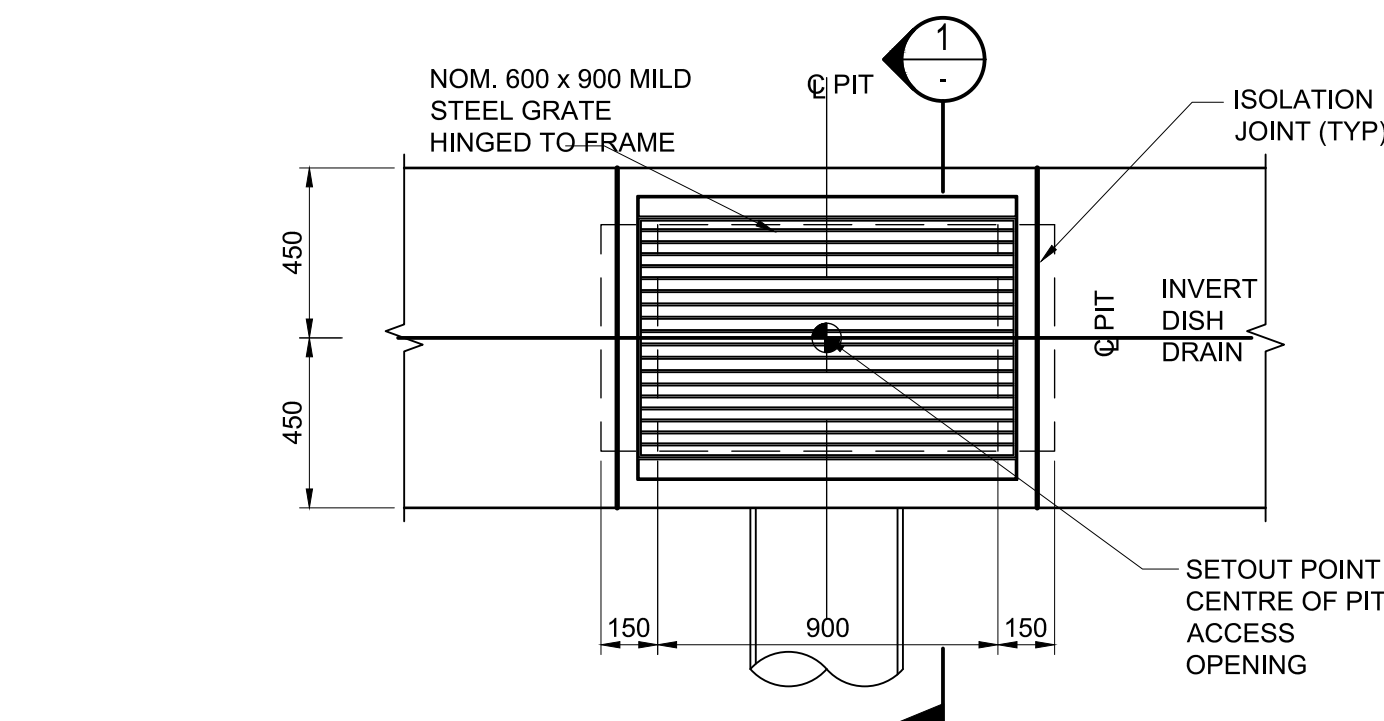
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SCALE 1:20



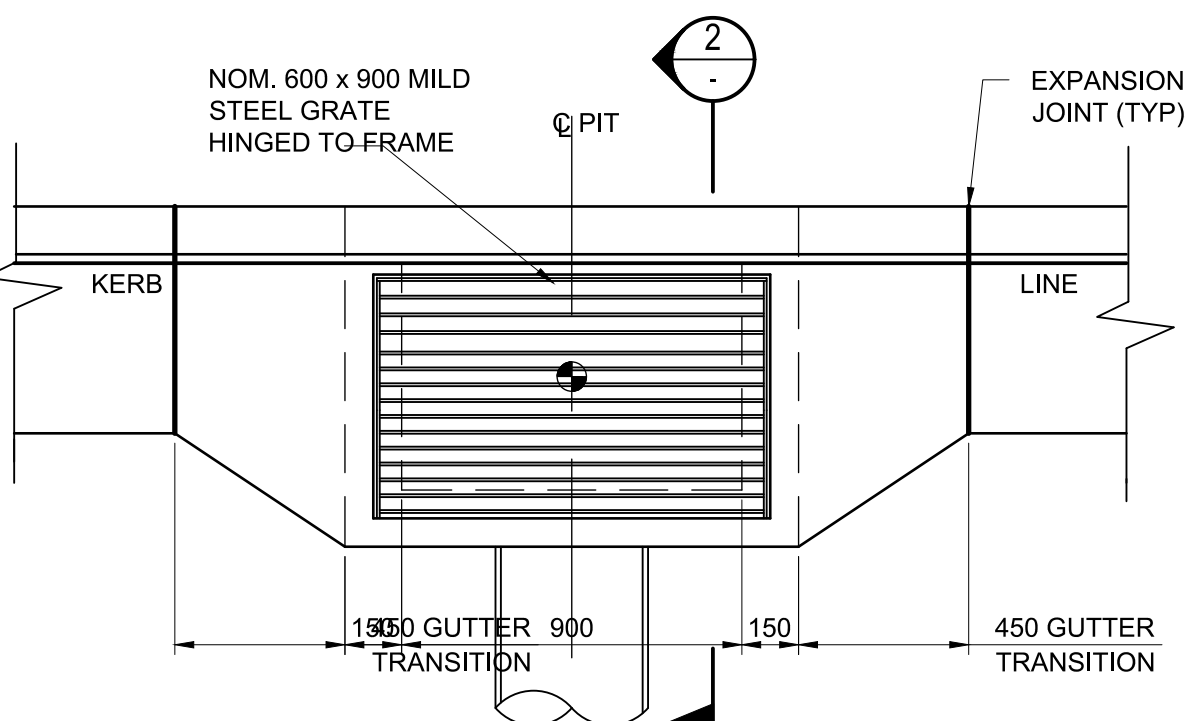
SECTION 3

SCALE 1:20



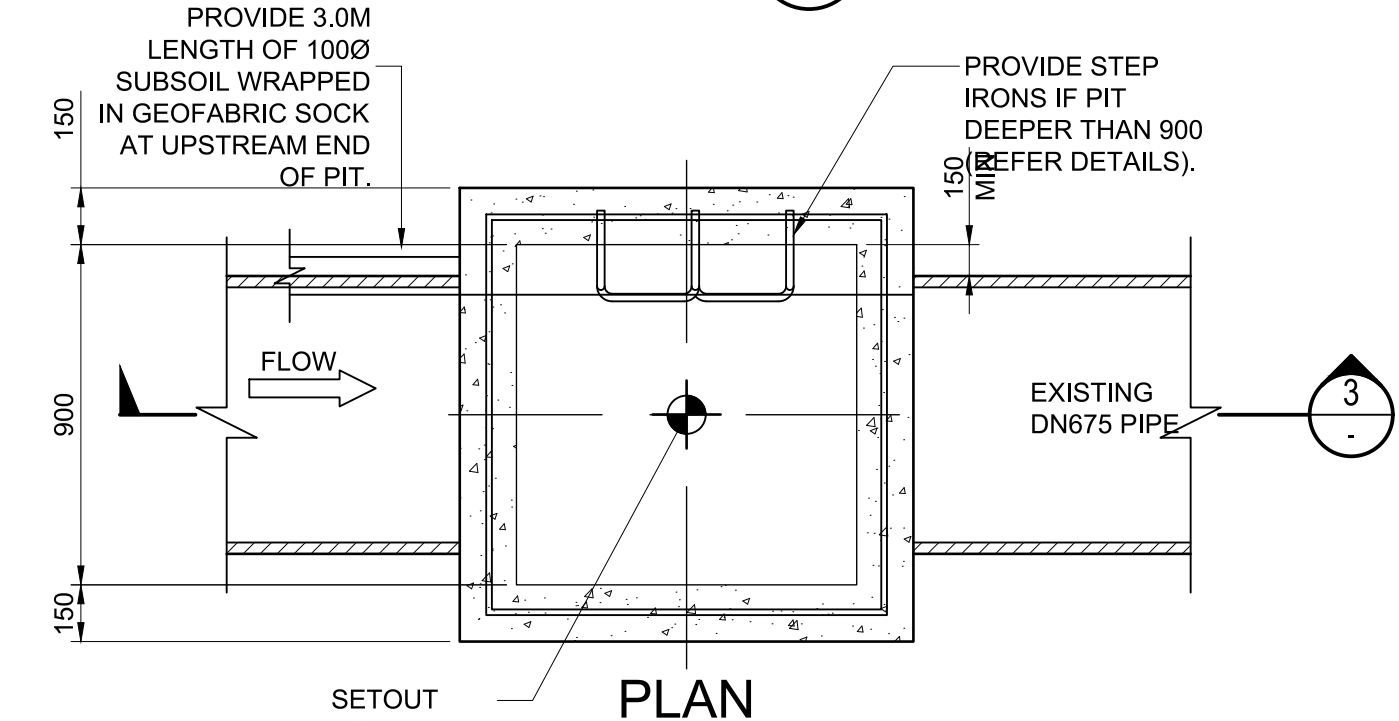
DISH DRAIN PIT - PIT TYPE 'A'

SCALE 1:20



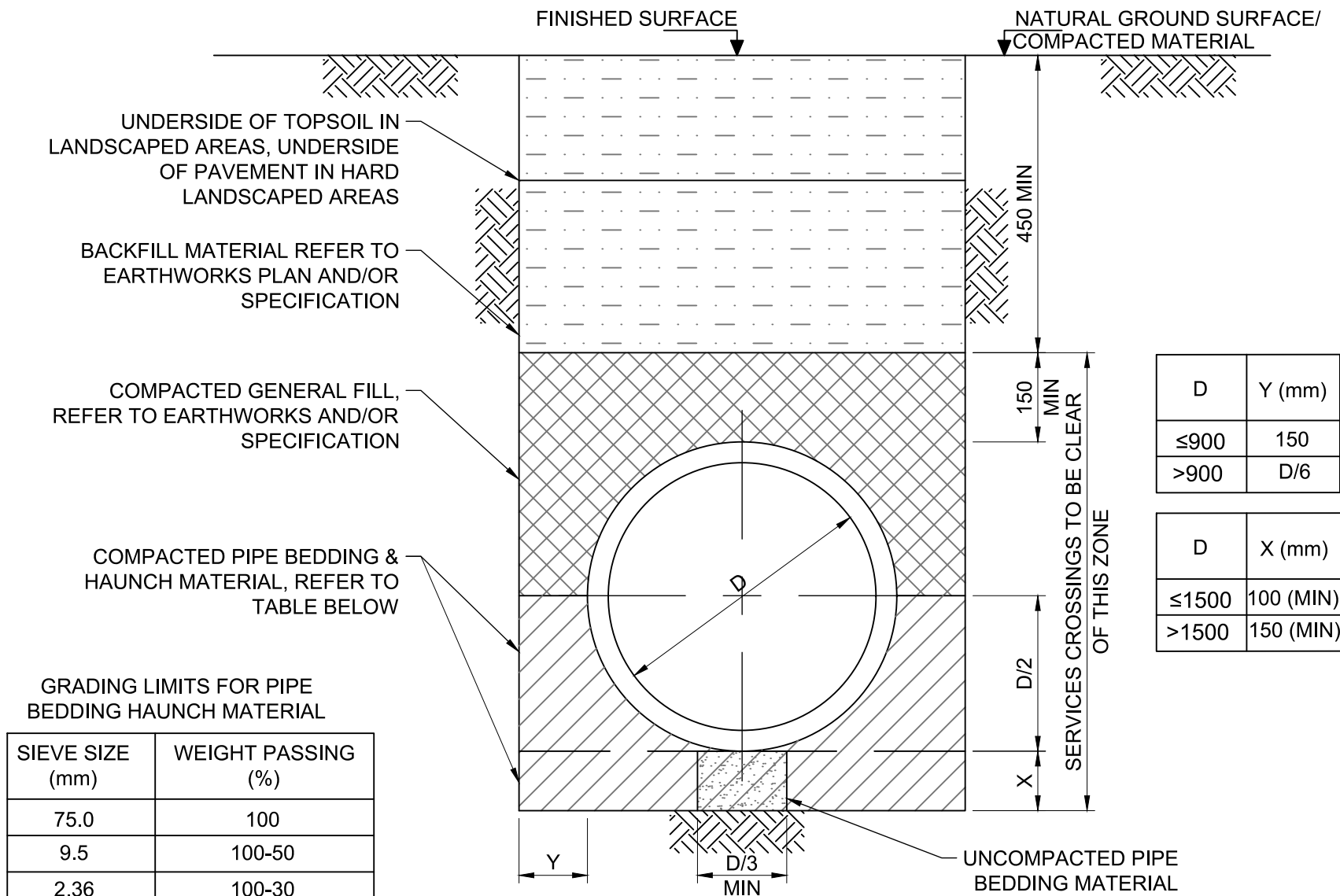
GRATED GULLY PIT PIT TYPE 'B'

SCALE 1:20



JUNCTION PIT - PIT TYPE 'C'

SCALE 1:20



TYPICAL SECTION

SCALE 1:10

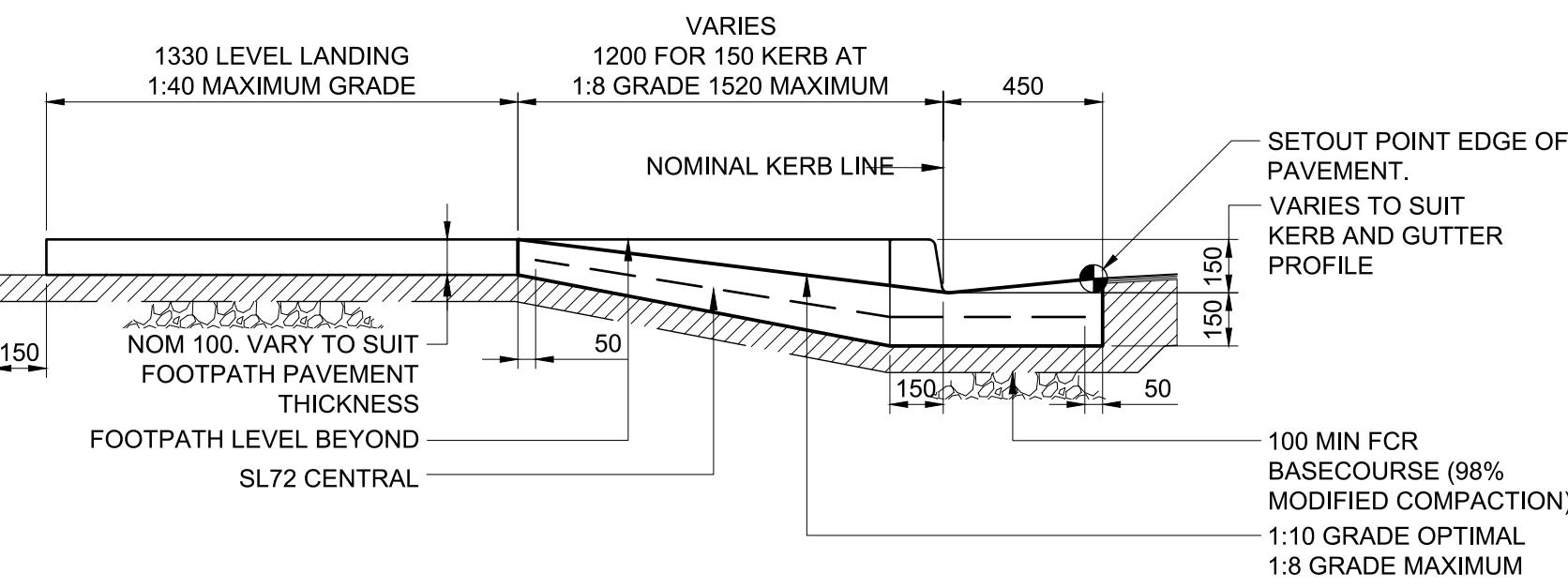
TYPE HS1 PIPE BACKFILL DETAIL

GRADING LIMITS FOR PIPE BEDDING HAUNCH MATERIAL	
SIEVE SIZE (mm)	WEIGHT PASSING (%)
75.0	100
9.5	100-50
2.36	100-30
0.60	50-15
0.075	25-0

PIPE BEDDING & HAUNCH MATERIAL COMPACTION REQUIREMENTS

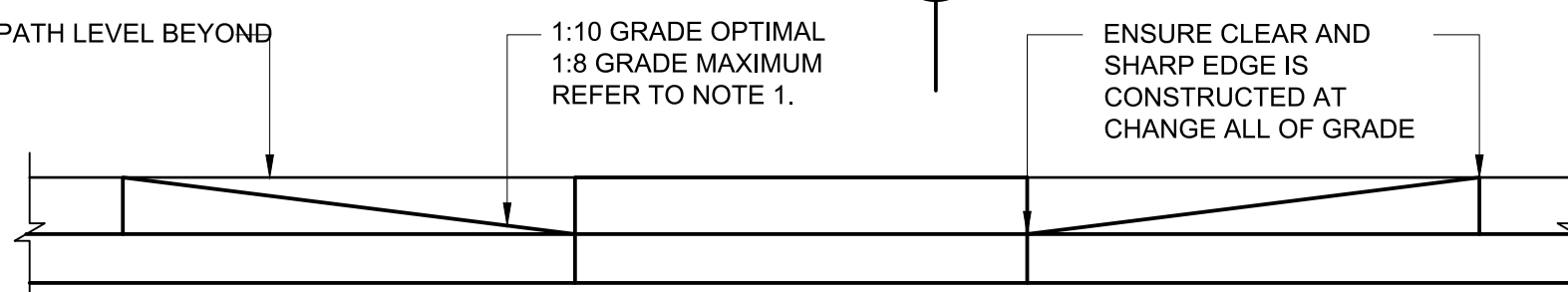
TYPE	MIN STD COMPACTION
COHESIVE	50%*1
COHESIONLESS	85%*2

*1 IN ACCORDANCE WITH AS3725-2007

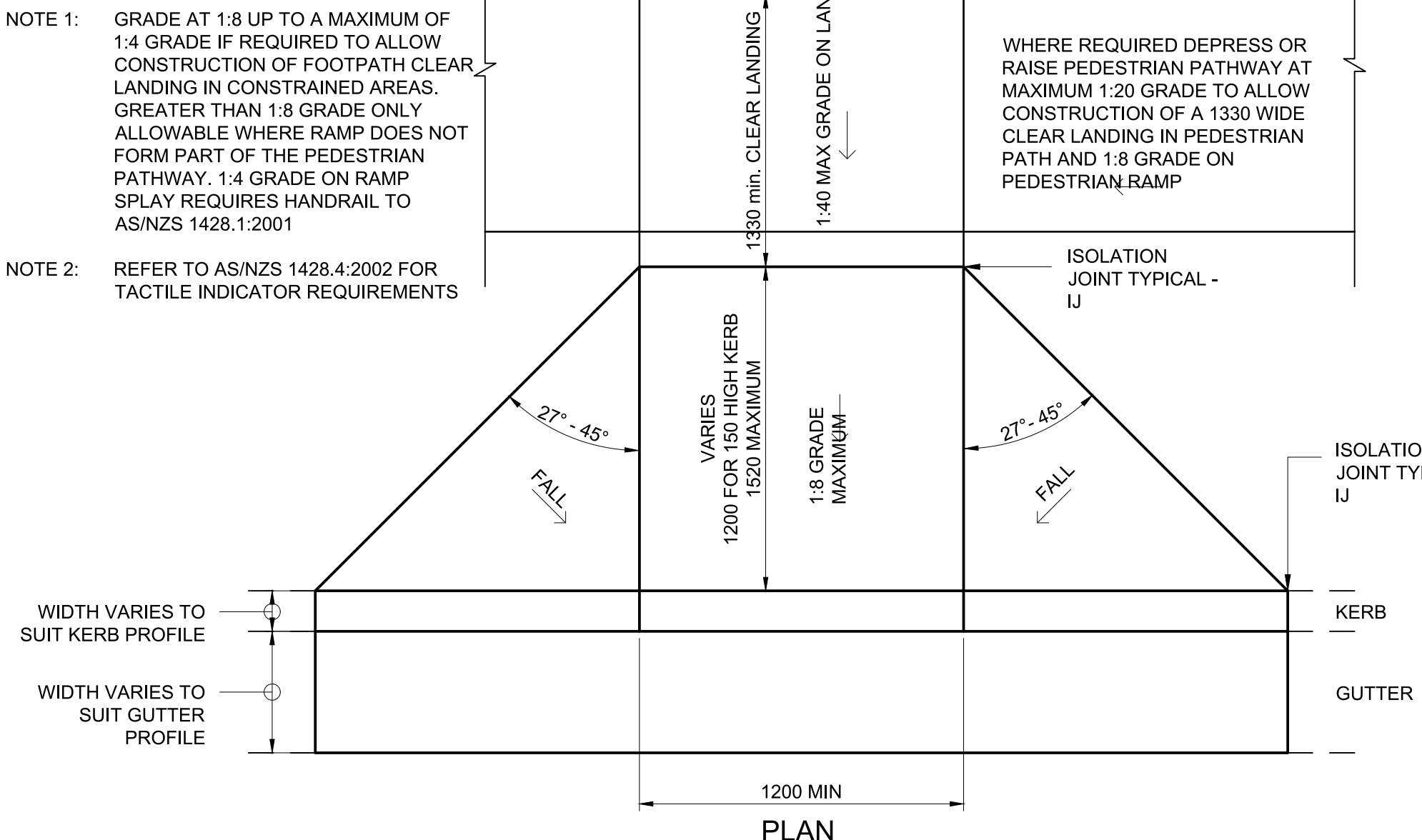


SECTION 1

SCALE 1:20



ELEVATION



PRAM RAMP DETAIL

enstruct

enstruct group pty ltd

Level 4, 2 Glen Street
Milsoms Point NSW 2061
Australia

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

NOTE

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF WORK OR INFORMATION OF SHOP DRAWINGS. DO NOT SCALE THIS DRAWING.

ISSUE	DATE	FOR
B	17.09.29	VM ISSUE FOR 70%
C	17.10.11	70% ISSUE
D	17.11.13	95% ISSUE
E	17.11.30	95% ISSUE
F	06.02.18	100% SD ISSUE

CONSTRUCTION WORKS

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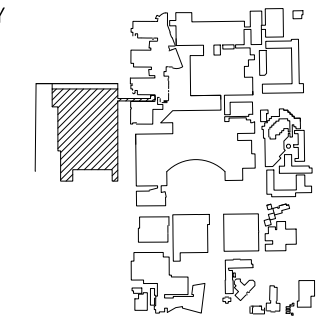
CLIENT NUMBER

PROJECT

POW - REDEVELOPMENT ACUTE SERVICES BUILDING
RANDWICK NSW AUSTRALIA
ENSTRUCT PROJECT NUMBER

5385

DRAWING KEY



TRUE NORTH

PROJECT NORTH

GRAPHIC SCALE

SCALE

0 10 25

1:500@B1

STATUS

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FOR INFORMATION

DRAWING
BUILDING 50
CIVIL DETAILS - SHEET 2

DRAWING NUMBER

RCR-ENS-CV-50-DWG-800-02

ISSUE

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B	17.09.29	VM ISSUE FOR 70%
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D	17.11.13	96% ISSUE
E	17.11.30	96% ISSUE
F	18.01.31	INFORMATION
G	06.02.18	100% SD ISSUE
H	26.02.18	100% SD ISSUE

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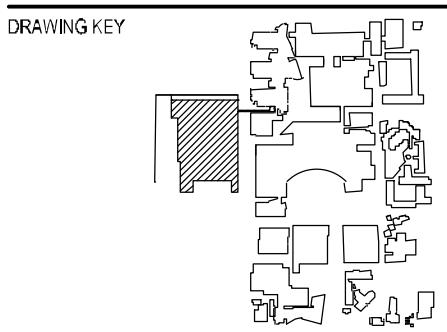
CLIENT NUMBER

PROJECT

POW - REDEVELOPMENT ACUTE
SERVICES BUILDING
RANDWICK NSW AUSTRALIA

5385

DRAWING KEY



TRUE NORTH PROJECT NORTH



GRAPHIC SCALE

0 4 10

SCALE

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STATUS	

FOR INFORMATION

DRAWING
STORMWATER DRAINAGE
LONGSECTIONS - SHEET 1

DRAWING NUMBER	ISSUE
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CR-ENS-CV-50-DWG-900-01	H
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B	17.09.29	VM ISSUE FOR 70%
C	17.10.11	70% ISSUE
D	17.11.13	85% ISSUE
E	17.11.30	95% ISSUE
F	18.01.31	INFORMATION
G	09.02.18	100% SD ISSUE
H	28.02.19	100% SD ISSUE

PIT SCHEDULE FOR: B2 SWD Pavement									
PIT NAME	PIT TYPE	EASTING (m)	NORTHING (m)	INTERNAL PIT SIZE [mm]	COVER LEVEL (mAHD)	PIT DEPTH [m]	INVERT (mAHD)	LID CLASS	LID TYPE
CS-1	SURFACE INLET PIT	337019.355	6245435.193	600 x 900 Rect Structure	46.500	1.900	44.600	D	V GRATE
CS-2	JUNCTION PIT	336994.152	6245439.184	600 x 900 Rect Structure	46.500	2.051	44.449	C	GRATE
CS-3	SURFACE INLET PIT	336979.069	6245441.573	600 x 900 Rect Structure	46.500	1.900	44.600	D	V GRATE
CS-4	SURFACE INLET PIT	336969.108	6245446.681	600 x 900 Rect Structure	46.540	1.378	45.162	D	V GRATE
CS-5	SURFACE INLET PIT	336967.562	6245454.976	600 x 900 Rect Structure	46.570	1.280	45.290	D	V GRATE
CS-6	SURFACE INLET PIT	336970.885	6245475.957	600 x 900 Rect Structure	46.628	1.212	45.416	D	GRATE
CS-7	SURFACE INLET PIT	336973.564	6245492.871	600 x 900 Rect Structure	46.675	1.163	45.512	D	V GRATE
CS-8	SURFACE INLET PIT	336976.193	6245509.471	600 x 900 Rect Structure	46.721	1.105	45.616	D	GRATE
CS-9	SURFACE INLET PIT	336978.821	6245526.060	600 x 900 Rect Structure	46.768	1.048	45.720	D	GRATE
CS-10	JUNCTION PIT	336980.672	6245537.749	600 x 900 Rect Structure	46.800	1.000	45.800	D	SOLID
CS-11	SURFACE INLET PIT	336975.649	6245543.113	450 x 600 Rect Structure	46.949	0.984	45.964	B	GRATE
CS-GPT	GPT	337019.520	6245433.311	1,500 dia ANZ Concrete Manhole	46.546	3.128	43.418	D	SOLID

PIT SCHEDULE FOR: B2 SWD Loading Dock									
PIT NAME	PIT TYPE	EASTING (m)	NORTHING (m)	INTERNAL PIT SIZE [mm]	COVER LEVEL (mAHD)	PIT DEPTH [m]	INVERT (mAHD)	LID CLASS	LID TYPE
B-GPT	GPT	337051.749	6245415.414	1,800 dia ANZ Concrete Manhole	46.752	2.712	44.040	C	SOLID
BS-1	SURFACE INLET PIT	337052.136	6245417.856	900 x 600 Rect Structure	46.584	0.920	45.665	D	GRATE
BS-2	SURFACE INLET PIT	337031.364	6245421.213	900 x 600 Rect Structure	46.793	0.941	45.851	D	GRATE
BS-3	SURFACE INLET PIT	337033.179	6245432.449	900 x 600 Rect Structure	46.580	0.566	46.014	D	GRATE

CONSTRUCTION WORKS

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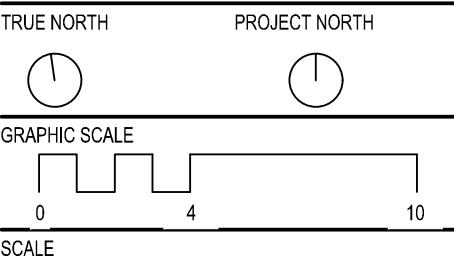
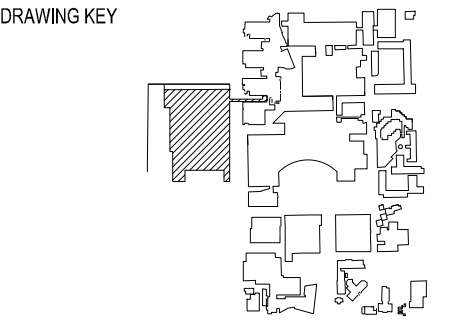
PROJECT

POW - REDEVELOPMENT ACUTE SERVICES BUILDING
RANDWICK NSW AUSTRALIA

ENSTRUCT PROJECT NUMBER

5385

DRAWING KEY



1:500@B1 DO NOT SCALE
STATUS

FOR INFORMATION

DRAWING
STORMWATER DRAINAGE
PIT SCHEDULE - SHEET 1

DRAWING NUMBER	ISSUE
RCR-ENS-CV-50-DWG-900-10	H

NOTE
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ISSUE	DATE	FOR
B	17.03.29	VM ISSUE FOR 70%
C	17.10.11	70% ISSUE
D	17.11.13	85% ISSUE
E	17.11.30	85% ISSUE
F	18.01.31	INFORMATION
G	06.02.18	100% 60 ISSUE
H	28.02.18	100% 50 ISSUE
I	18.04.18	100% 50 ISSUE

VERT EXAG 1:1
Datum 35.000

EXISTING LEVELS	50.735	51.021	51.418	51.769	52.164	52.537	52.881	52.555	52.503
DEPTH	0.212	0.219	-0.072	0.178	0.105	0.204	0.230	-0.381	-5.703
CHAINAGE	130.000	140.000	150.000	160.000	170.000	180.000	184.640	190.000	192.178

TRUNK DRAIN LONG SECTION 1050Ø

DESIGN LEVELS	50.847	51.240	51.346	51.947	52.689	52.741	52.911	52.174	48.890
INVERT LEVEL							48.625		

COVER							4.831		
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GRADE % -1.08%

FLOOD
DETENTION TANK

VERT EXAG 1:1
Datum 30.000

EXISTING LEVELS	51.873	51.591	51.343	51.445	51.611
DEPTH	-5.073	0.009	0.257	0.155	-0.011
CHAINAGE	0.000	10.000	18.849	20.000	23.017

SITE DRAIN LONG SECTION 1350Ø

DESIGN LEVELS	48.890	51.690	51.690	51.690	51.690
INVERT LEVEL	48.728		48.000	49.050	49.092

COVER	1.714		0.911	1.117	1.343
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GRADE % 1.45% 1.00%

VERT EXAG 1:1
Datum 35.000

EXISTING LEVELS	46.844	46.876	47.036	47.228	47.506	47.543	47.872	48.292	48.609	48.712	49.014	49.303	49.674	50.038	50.373	50.735
DEPTH	0.223	0.181	0.093	-0.026	-0.061	-0.052	0.001	-0.156	0.425	0.417	0.312	0.304	0.238	0.252	0.265	0.212
CHAINAGE	0.000	10.000	20.000	30.000	40.000	40.887	50.000	60.000	70.000	72.844	80.000	90.000	100.000	110.000	120.000	130.000

TRUNK DRAIN LONG SECTION 1050Ø

DESIGN LEVELS	46.887	47.057	47.129	47.202	47.445	47.451	47.872	48.136	49.034	49.129	49.326	49.607	49.912	50.280	50.638	50.947
INVERT LEVEL	44.630				45.010	45.060				45.380	45.420					

COVER	0.819				1.208	1.258				2.107	2.067					
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GRADE % -1.00% -1.01% -1.08%

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CONSTRUCTION WORKS

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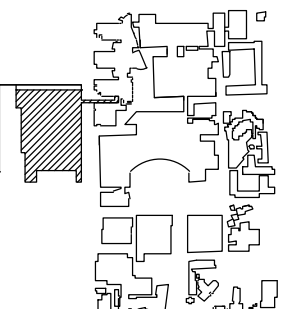
PROJECT

POW - REDEVELOPMENT ACUTE
SERVICES BUILDING
RANDWICK NSW AUSTRALIA

ENSTRUCT PROJECT NUMBER

5385

DRAWING KEY



TRUE NORTH

PROJECT NORTH

GRAPHIC SCALE

SCALE

1:200(BB1)

STATUS

FOR INFORMATION

DRAWING
STORMWATER DRAINAGE
LONGSECTIONS - SHEET 1

DRAWING NUMBER

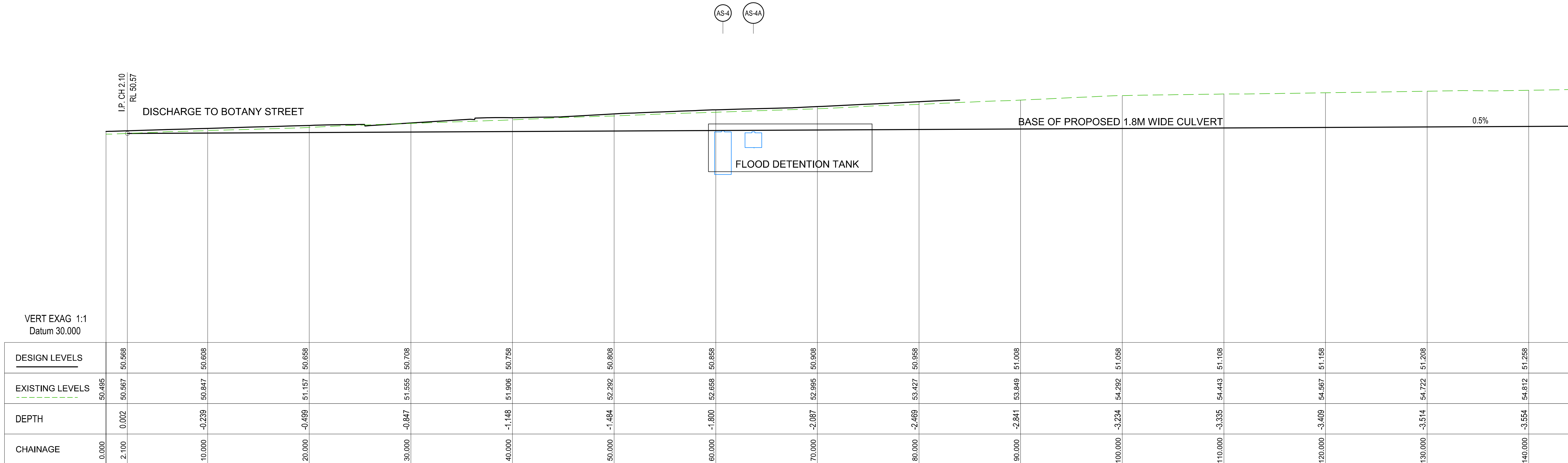
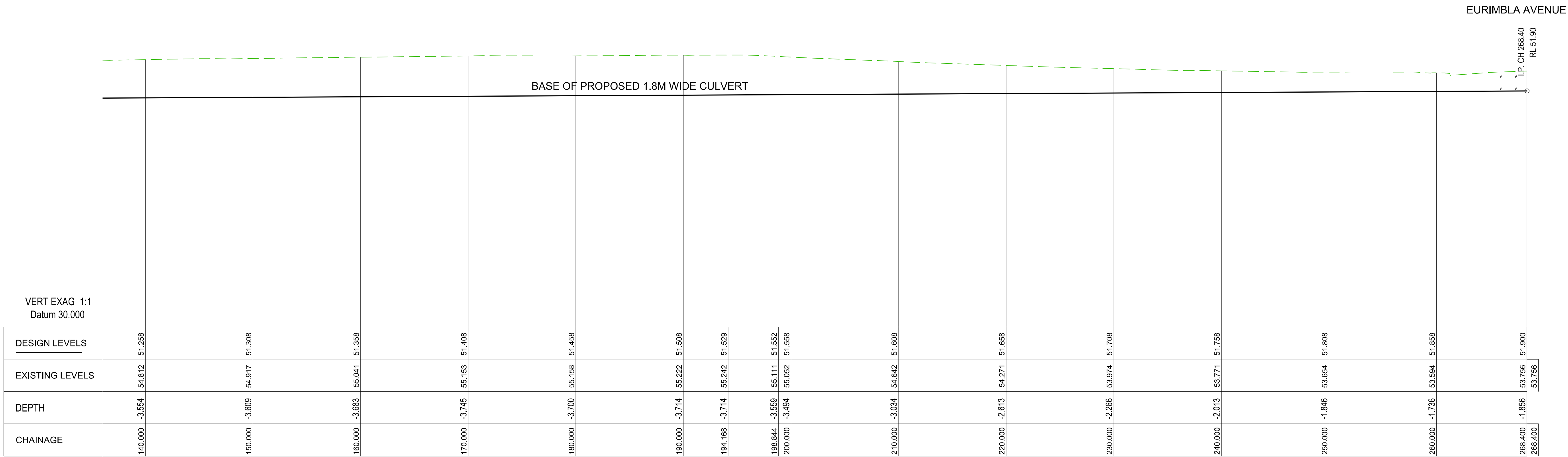
RCR-ENS-CV-50-DWG-901-01

ISSUE

1

NOTE
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ISSUE	DATE	FOR
B	17.09.29	VM ISSUE FOR 70%
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E	17.11.30	90% ISSUE
F	18.01.31	INFORMATION
G	06.02.18	100% SD ISSUE
H	28.02.18	100% SD ISSUE
I	18.04.18	100% SD ISSUE



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CONSTRUCTION WORKS

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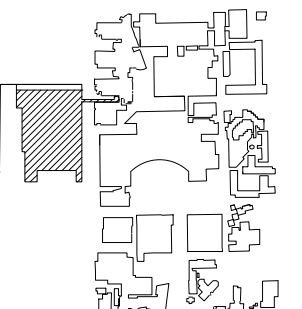
PROJECT

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SERVICES BUILDING
RANDWICK NSW AUSTRALIA

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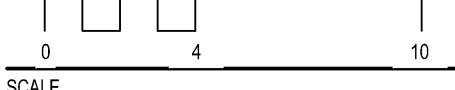
DRAWING KEY



TRUE NORTH



GRAPHIC SCALE



1:200@B1

STATUS

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FOR INFORMATION

DRAWING
STORMWATER DRAINAGE
LONGSECTIONS - SHEET 2

DRAWING NUMBER

RCR-ENS-CV-50-DWG-901-02

ISSUE

1

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H	28.02.18	100% SD ISSUE
I	18.04.18	100% SD ISSUE

PIT SCHEDULE FOR: Eurimbla 600									
PIT NAME	PIT TYPE	EASTING (m)	NORTHING (m)	INTERNAL PIT SIZE [mm]	COVER LEVEL (mAHD)	PIT DEPTH [m]	INVERT (mAHD)	LID CLASS	LID TYPE
ES-1A	SURFACE INLET PIT	337044.782	6245592.709	1,200 x 1,200 mm Rectangular Structure	52.059	2.216	49.843	D	GRATE

PIT SCHEDULE FOR: Eurimbla 1100									
PIT NAME	PIT TYPE	EASTING (m)	NORTHING (m)	INTERNAL PIT SIZE [mm]	COVER LEVEL (mAHD)	PIT DEPTH [m]	INVERT (mAHD)	LID CLASS	LID TYPE
ES-1	SURFACE INLET PIT	337048.868	6245592.062	1,800 x 1,800 mm Rectangular Structure	52.314	1.964	50.350	D	GRATE
ES-2	SURFACE INLET PIT	337061.592	6245670.132	3,000 x 3,000 mm Rectangular Structure	53.693	2.221	51.472	D	GRATE

PIT SCHEDULE FOR: Site Drain									
PIT NAME	PIT TYPE	EASTING (m)	NORTHING (m)	INTERNAL PIT SIZE [mm]	COVER LEVEL (mAHD)	PIT DEPTH [m]	INVERT (mAHD)	LID CLASS	LID TYPE
DS-1	CIRCULAR MANHOLE	337018.723	6245550.137	1,200 x 1,500 mm Rectangular Structure	51.873	4.973	46.900	D	SOLID
DS-2	SURFACE INLET PIT	337037.340	6245547.188	1,800 x 1,500 mm Rectangular Structure	51.600	2.700	48.900	D	GRATE
DS-3	SURFACE INLET PIT	337041.457	6245546.536	1,800 x 1,800 mm Rectangular Structure	51.600	2.584	49.016	D	GRATE

PIT SCHEDULE FOR: Trunk Drain									
PIT NAME	PIT TYPE	EASTING (m)	NORTHING (m)	INTERNAL PIT SIZE [mm]	COVER LEVEL (mAHD)	PIT DEPTH [m]	INVERT (mAHD)	LID CLASS	LID TYPE
AS-1	JUNCTION PIT	337020.594	6245418.332	1,500 x 1,500 Rect Structure	46.867	2.948	43.919	D	GRATE
AS-2	JUNCTION PIT	336980.373	6245425.681	1,500 x 1,200 Rect Structure	47.491	2.581	44.910	D	SOLID
AS-3	JUNCTION PIT	336950.378	6245436.109	1,500 x 1,500 Rect Structure	48.712	3.432	45.280	D	SOLID
AS-4	SURFACE INLET PIT	336969.016	6245546.543	1,500 x 1,500 Rect Structure	50.809	4.184	46.625	C	GRATE
AS-4A	SURFACE INLET PIT	336969.486	6245549.506	1,500 x 1,500 Rect Structure	50.727	1.451	49.275	C	GRATE
AS-5	SURFACE INLET PIT	336976.461	6245545.364	1,500 x 1,200 Rect Structure	52.500	5.700	46.800	C	GRATE
AS-5A	SURFACE INLET PIT	336976.931	6245548.327	1,500 x 1,200 Rect Structure	52.500	3.300	49.200	C	GRATE

CONSTRUCTION WORKS

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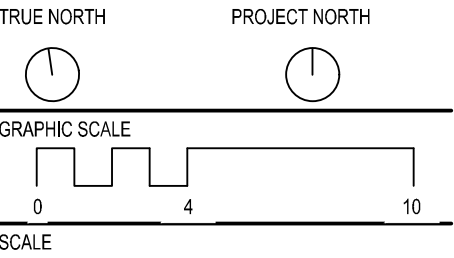
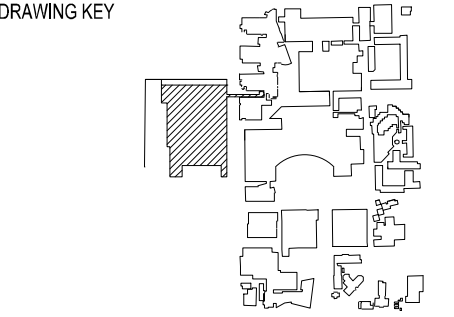


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RANDWICK NSW AUSTRALIA
ENSTRUCT PROJECT NUMBER

5385



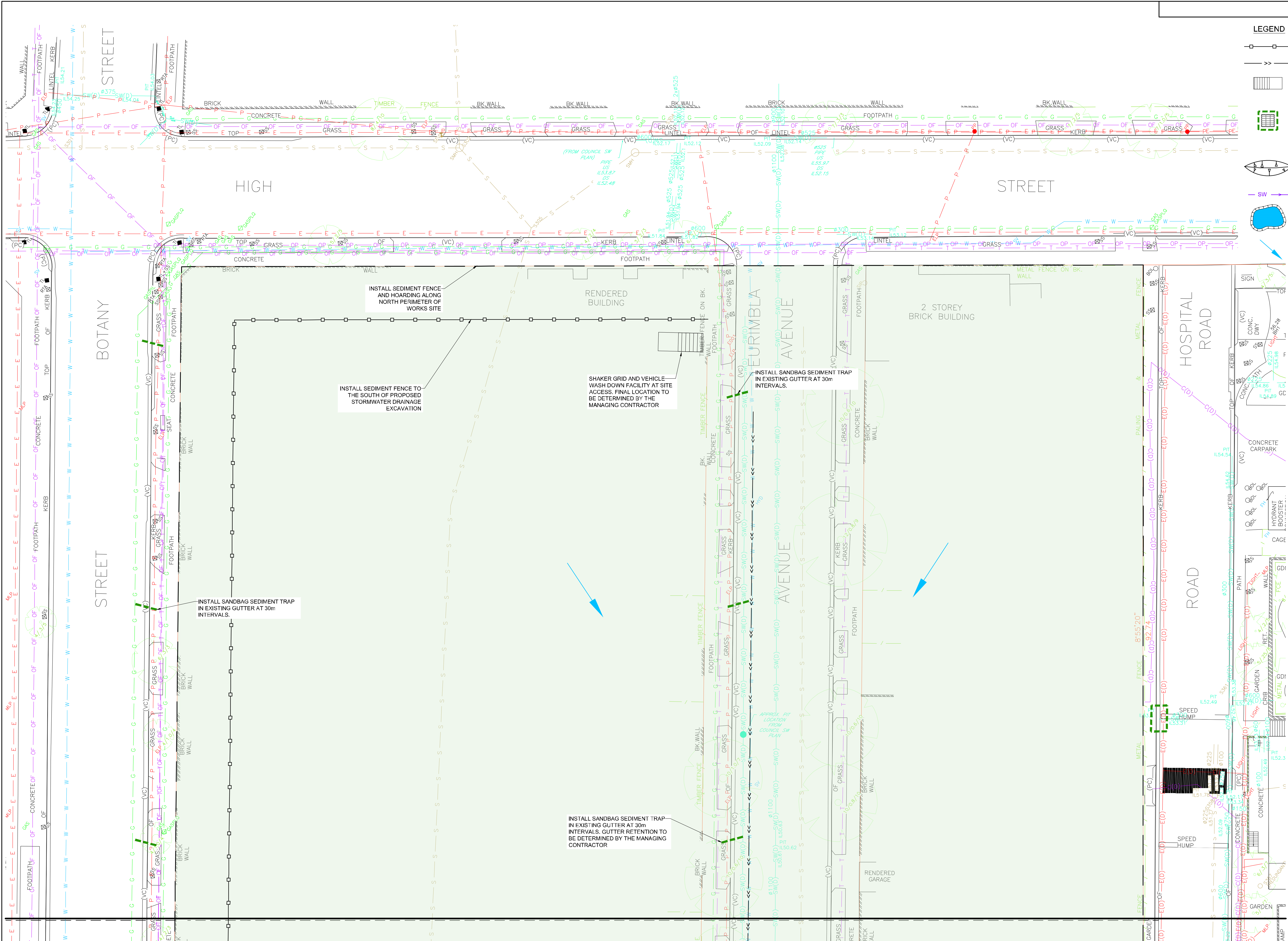
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STATUS

FOR INFORMATION
DRAWING
STORMWATER DRAINAGE
PIT SCHEDULE

DRAWING NUMBER	ISSUE
RCR-ENS-CV-50-DWG-901-10	I

APPENDIX B

EROSION AND SEDIMENT CONTROL PLAN



LEGEND

- PROPOSED TEMPORARY SEDIMENT FENCE
- PROPOSED TEMPORARY CATCH DRAIN
- PROPOSED TEMPORARY SHAKER GRID AND WASH DOWN FACILITY
- PROVIDE TEMPORARY SANDBAGS AROUND PITS:
1. AFTER PAVEMENT WORKS ARE COMPLETE IF WORKS ARE ONGOING UPSTREAM TO EXISTING GRATED PITS DOWNSTREAM OF CONSTRUCTION WORKS
2. AFTER PAVEMENT WORKS ARE COMPLETE IF WORKS ARE ONGOING UPSTREAM TO EXISTING GRATED PITS DOWNSTREAM OF CONSTRUCTION WORKS
- PROPOSED STOCKPILE LOCATION REFER CV-DWG-402 FOR INDICATIVE LOCATIONS
- TEMPORARY PIPE
- PROPOSED TEMPORARY SEDIMENT BASIN
- FLOW DIRECTION

NOTE
CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF WORK OR PRIOR TO START OF ANY WORKS. DO NOT SCALE THIS DRAWING.

ISSUE	DATE	FOR
B	17.08.20	1st ISSUE FOR 70%
C	17.10.11	70% ISSUE
D	17.11.13	95% ISSUE
E	17.11.30	95% ISSUE
F	06.02.18	100% SD ISSUE
G	28.02.18	100% SD ISSUE
H	19.03.18	100% SD ISSUE UPDATE

PROPOSED SITE AREA
INCLUDES STRIP TOPSOIL AND DEMOLISH WITHIN EXISTING SITE TO 1M BELOW EXISTING SITE LEVELS

EARLY AND ENABLING WORKS

CONSULTANT
CONSULTANT
CONSULTANT
CONSULTANT
PROJECT MANAGER
CLIENT



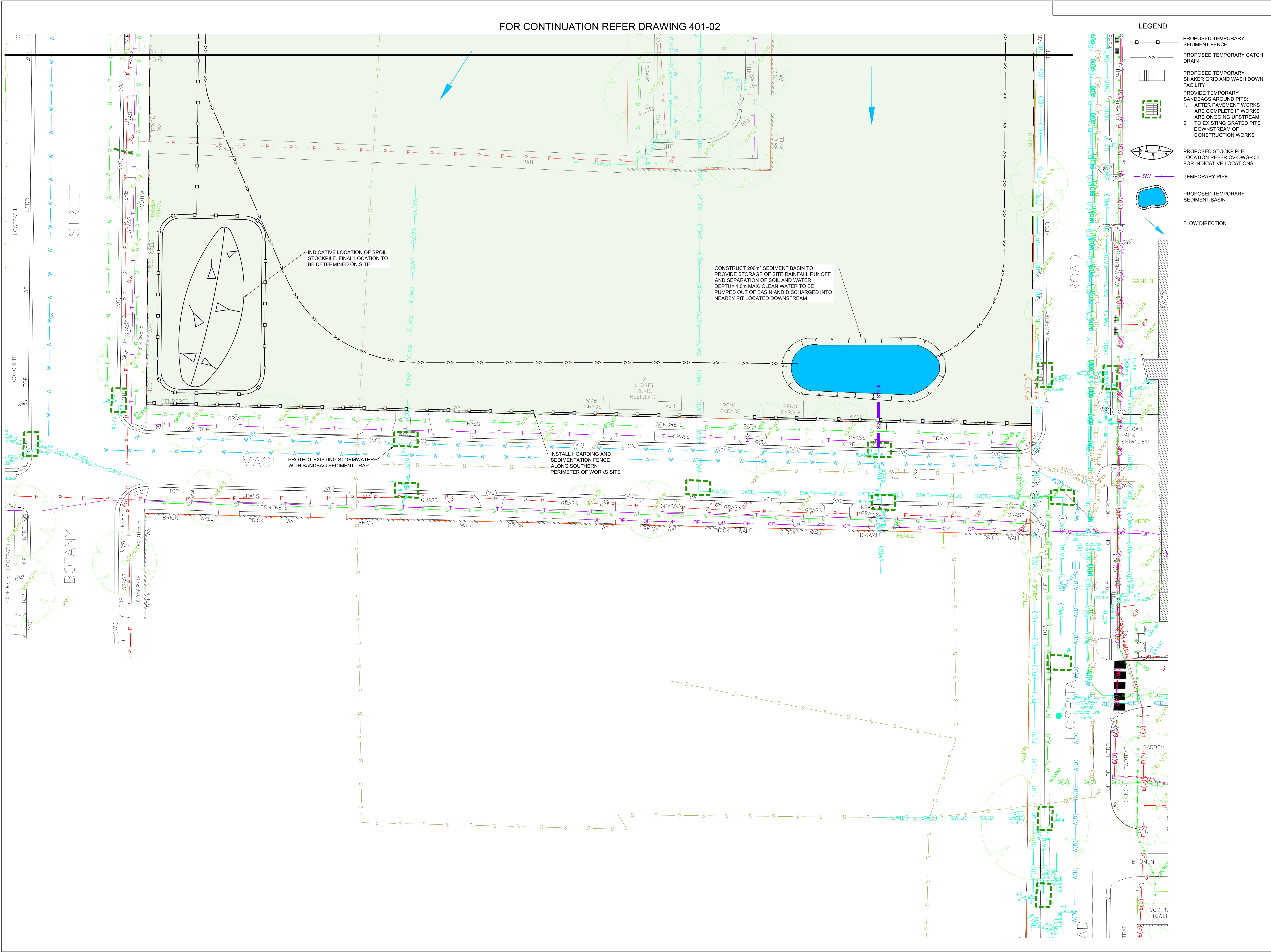
CLIENT NUMBER
PROJECT

POW - REDEVELOPMENT ACUTE SERVICES BUILDING
RANDWICK NSW AUSTRALIA
ENSTRUCT PROJECT NUMBER

5385
DRAWING KEY
TRUE NORTH
PROJECT NORTH
GRAPHIC SCALE
SCALE
1200B01
STATUS
DO NOT SCALE

FOR INFORMATION
DRAWING
EROSION AND SEDIMENTATION CONTROL PLAN - SHEET 1

FOR CONTINUATION REFER DRAWING CV-401-02



ISSUE	DATE	FOR
B	17.09.29	VM ISSUE FOR 70%
C	17.10.11	70% ISSUE
D	17.11.13	95% ISSUE
E	17.11.30	95% ISSUE
F	06.02.18	100% SD ISSUE
G	28.02.18	100% SD ISSUE
H	19.03.18	100% SD ISSUE UPDATE

EARLY AND ENABLING
WORKS

CONSULTANT

CONSULTANT

CONSULTANT

CONSULTANT

CONSULTANT

PROJECT MANAGER

CLIENT



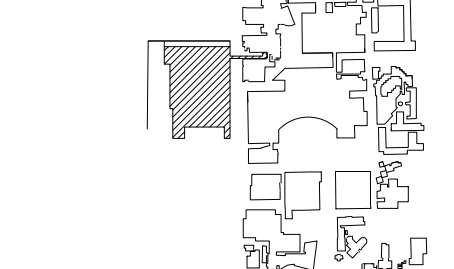
CLIENT NUMBER

PROJECT

POW - REDEVELOPMENT ACUTE
SERVICES BUILDING
RANDWICK NSW AUSTRALIA
ENSTRUCT PROJECT NUMBER

5385

DRAWING KEY



TRUE NORTH PROJECT NORTH

GRAPHIC SCALE

SCALE 0 4 10

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FOR INFORMATION

DRAWING EROSION AND
SEDIMENTATION CONTROL
PLAN - SHEET 3

DRAWING NUMBER

ISSUE

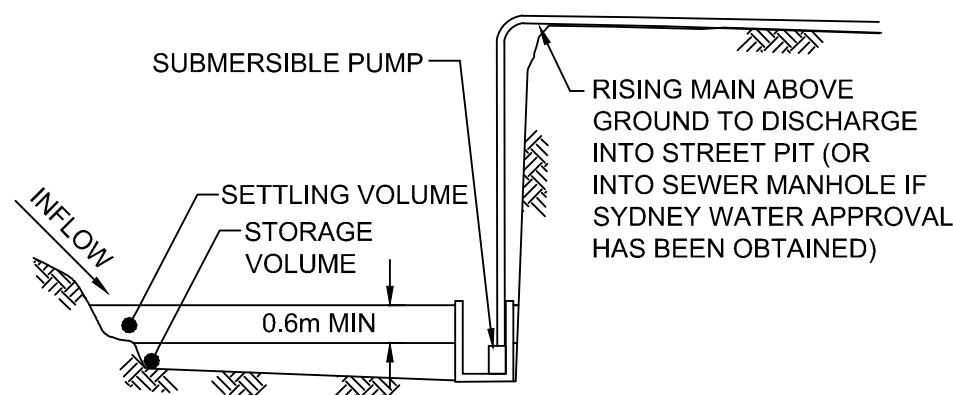
RCR-ENS-CV-50-DWG-401-03 H

EROSION AND SEDIMENT CONTROL:

1. THE CONTRACTOR SHALL PROVIDE ADEQUATE TRUCK WASH FACILITIES AT THE SITE EXIT AND SHALL CLEAN ALL VEHICLES EXITING THE SITE TO ENSURE MATERIALS AND MUD IS NOT TRANSPORTED AND DEPOSITED OFF SITE. WATER FROM ANY WASHBAY IS TO BE DIVERTED TO THE SEDIMENT FENCE OR TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.
2. NOTWITHSTANDING THE EROSION AND SEDIMENT CONTROL NOTES THE CONTRACTOR SHALL NOTE THEIR OVERARCHING OBLIGATION WITH THE CITY OF RYDE COUNCIL IN RESPECT OF ENVIRONMENTAL CONTROLS. PARTICULARLY ONGOING TESTING OF DISCHARGE, MAINTENANCE, DREDGING OF SEDIMENTATION PONDS AND FINAL FILTRATION AT OUTLETS.
3. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO PROTECT THE ENVIRONMENT AND IN PARTICULAR SHALL CONTROL EROSION, SEDIMENTATION AND POLLUTION DURING CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE EPA, DEC, COUNCIL, AND THE EROSION AND SEDIMENT CONTROL PLAN.
4. EROSION AND SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION" (2004 - BLUE BOOK), AND RANDWICK CITY COUNCIL DCP.
5. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONFIRMED IN THE QUALITY PLAN PRODUCED BY THE CONTRACTOR AND SHALL BE IMPLEMENTED AND ADJUSTED TO SUIT CONSTRUCTION ACCESS AND STAGING.
6. FOLLOWING EVERY RAINFALL EVENT EXCEEDING 10mm OR WHEN BASINS ARE GREATER THAN 50% FULL, WATER SHALL BE TESTED FOR COMPLIANCE WITH EPA'S STANDARDS AND, IF FOUND NOT TO COMPLY, WATER SHALL BE TREATED BY APPROPRIATE FLOCCULATION, FILTRATION OR OTHER APPROVED METHODS.
7. WATER SHALL NOT BE REMOVED FROM SEDIMENT BASIN UNTIL TESTED WATER MEETS EPA WATER QUALITY REQUIREMENTS e.g <50 MG/L SUSPENDED SOLIDS.
8. CONTRACTOR TO PROVIDE ALL PERIMETER SITE FENCING FOR SECURITY & SAFETY PURPOSES AS REQUIRED.
9. PUMP TO SYDNEY WATER SEWER ONLY WHEN WATER QUALITY MEETS EPA GUIDELINES (E.G. TSS < 50mg/L)
10. OBTAIN APPROVALS FROM SYDNEY WATER OR COUNCIL TO PUMP TO RECEIVING PIT.
11. EMPTY SEDIMENT BASIN WITHIN 72 HOURS OF RAINFALL. TREAT WATER AS NECESSARY TO ACHIEVE REQUIRED WATER QUALITY STANDARDS.
12. THE EARLY WORKS ARE OUTSIDE THE 100 YEAR ARI FLOOD EXTENTS OF UNIVERSITY CREEK; HENCE WILL NOT IMPACT THE FLOODING REGIME OF THE CREEK.

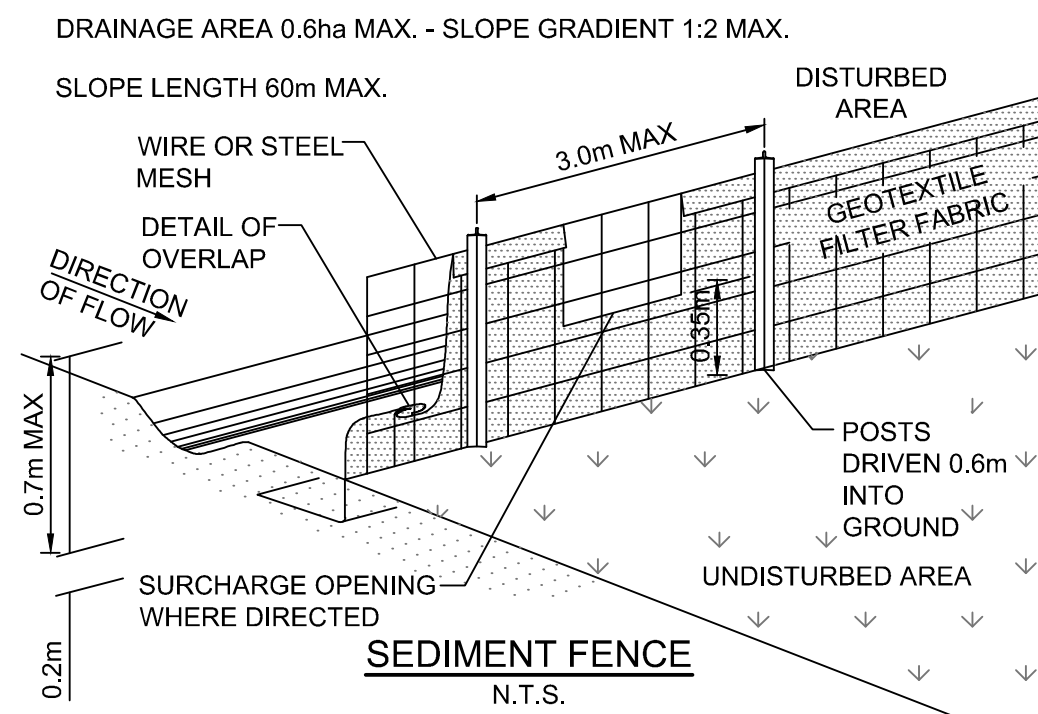
STOCKPILE NOTES:

1. PROTECT ALL STOCKPILES FROM SCOUR AND EROSION. DO NOT STOCKPILE LOOSE MATERIAL IN ROADWAYS, NEAR DRAINAGE PITS OR IN WATERCOURSES.
2. SPOIL & TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREAS WHERE WATER MAY CONCENTRATE. STOCKPILES ARE TO BE SURROUNDED BY SEDIMENT FENCE.
3. IF STOCKPILES ARE TO BE IN PLACE FOR LONGER THAN 30 DAYS THEN THEY SHALL BE STABILIZED BY COVERING WITH MULCH OR WITH TEMPORARY VEGETATION.
4. FOLLOWING CONSTRUCTION, TOPSOIL SHALL BE RESPREAD TO A MINIMUM DEPTH OF 100mm ON BARE SOIL SURFACES AND REVEGETATED.



TYPICAL SECTION THROUGH SEDIMENT BASIN
N.T.S.

NOTE:
BASIN SIZE AND DEPTH TO SUIT
EXCAVATION CONSTRAINTS

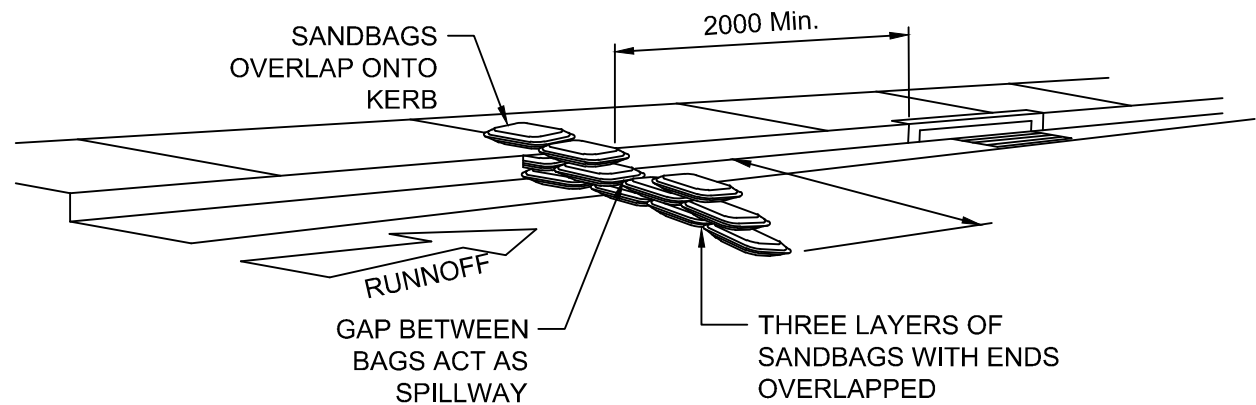


INSTALLATION

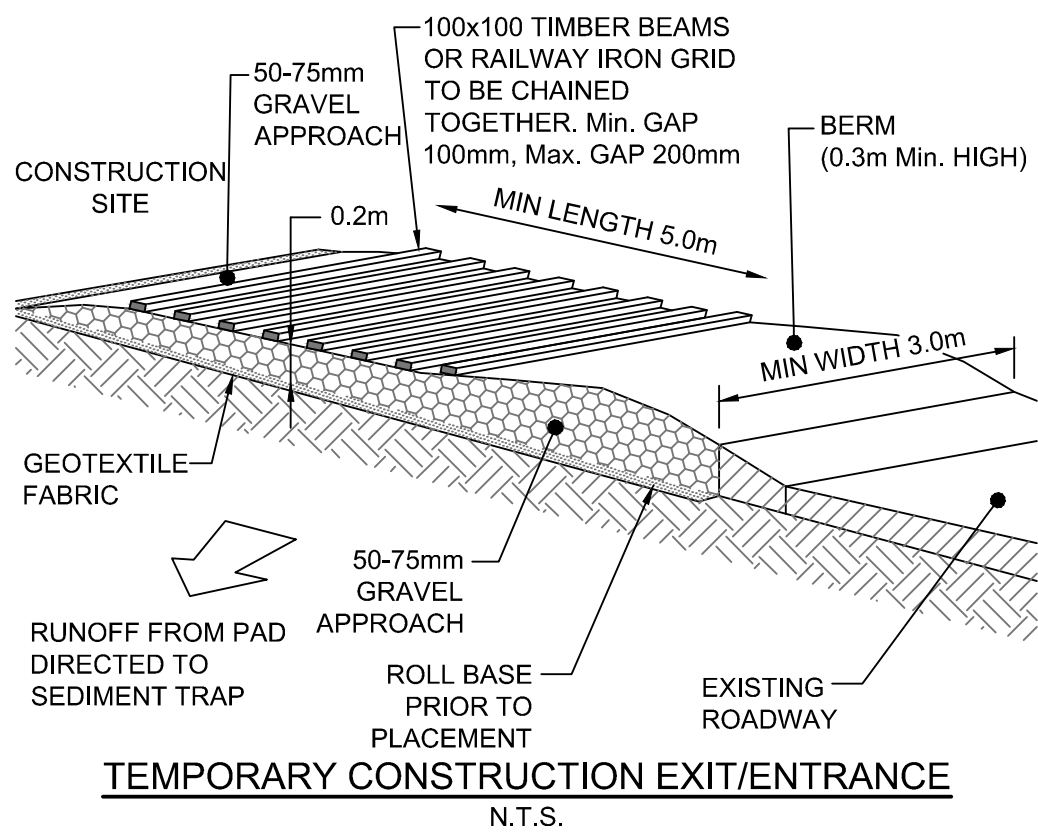
1. EXCAVATE A TRENCH 200mm DEEP.
2. DRIVE POSTS 600-700mm INTO GROUND AT A MAXIMUM SPACING OF 3.0m CENTRES.
3. PLACE AND FIX SUPPORT MESH (F52) TO POST.
4. LAY BIDIM GEOFABRIC (SF 2000) AGAINST THE SUPPORT MESH AND FIX BY TIE WIRE, STAPLES OR HOG RINGS.
5. PLACE BIDIM IN TRENCH AND BACKFILL WITH SOIL.

NOTE:

POSITION OF SEDIMENT FENCE AS DIRECTED BY SUPERINTENDENT. FENCE TO REMAIN IN PLACE UNTIL EXCAVATION IS BELOW FOOTPATH LEVEL.



SANDBAG SEDIMENT TRAP
N.T.S.



TEMPORARY CONSTRUCTION EXIT/ENTRANCE
N.T.S.

NOTE

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CONSTRUCTION WORKS

CONSULTANT

CONSULTANT

CONSULTANT

CONSULTANT

CONSULTANT

PROJECT MANAGER

CLIENT



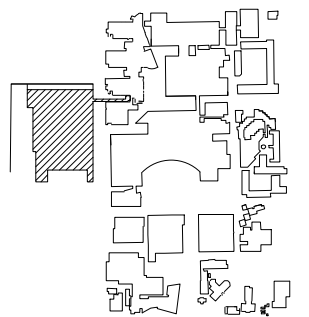
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ENSTRUCT PROJECT NUMBER

5385

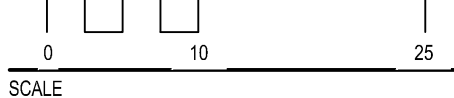
DRAWING KEY



TRUE NORTH

PROJECT NORTH

GRAPHIC SCALE



SCALE

1:500@B1

STATUS

FOR INFORMATION

DRAWING
BUILDING 50
EROSION AND SEDIMENT
CONTROL DETAILS

DRAWING NUMBER

RCR-ENS-CV-50-DWG-400-10

ISSUE

F