

DCI SYD02

CIVIL SERVICES - SSDA MODIFICATION 2 ISSUE



CIVIL DRAWING LIST

DRAWING NUMBER	DRAWING TITLE
S02-CI-05-DRG-ACR-0001	COVER SHEET AND DRAWINGS INDEX
S02-CI-05-DRG-ACR-0011	LEGENDS SHEET
S02-CI-05-DRG-ACR-0021	GENERAL NOTES
S02-CI-05-DRG-ACR-0101	KEY PLAN
S02-CI-05-DRG-ACR-0301	SOIL EROSION AND SEDIMENT CONTROL PLAN
S02-CI-05-DRG-ACR-0351	SOIL EROSION AND SEDIMENT CONTROL - NOTES AND DETAILS
S02-CI-05-DRG-ACR-0401	BULK EARTHWORKS PLAN
S02-CI-05-DRG-ACR-0501	SITEWORKS AND STORMWATER PLAN - SHEET 1
S02-CI-05-DRG-ACR-0502	SITEWORKS AND STORMWATER PLAN - SHEET 2
S02-CI-05-DRG-ACR-0503	SITEWORKS AND STORMWATER PLAN - SHEET 3
S02-CI-05-DRG-ACR-0651	SITEWORKS TYPICAL DETAILS
S02-CI-05-DRG-ACR-0801	STORMWATER DRAINAGE - LONGSECTIONS - SHEET 1
S02-CI-05-DRG-ACR-0802	STORMWATER DRAINAGE - LONGSECTIONS - SHEET 2
S02-CI-05-DRG-ACR-0811	STORMWATER DRAINAGE - PIT SCHEDULE
S02-CI-05-DRG-ACR-0841	STORMWATER DRAINAGE - QUALITY CATCHMENT PLAN
S02-CI-05-DRG-ACR-0842	STORMWATER DRAINAGE - DRAINS CATCHMENT PLAN
S02-CI-05-DRG-ACR-0851	STORMWATER DRAINAGE DETAILS - SHEET 1
S02-CI-05-DRG-ACR-0852	STORMWATER DRAINAGE DETAILS - SHEET 2
S02-CI-05-DRG-ACR-0900	PAVEMENT PLAN

[illegible]

GENERAL NOTES

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND STRUCTURAL CONSULTANTS DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED.
2. ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE CONTRACTOR BEFORE CONSTRUCTION
3. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE DRAWINGS.
4. ALL DIMENSIONS ON DETAILS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. ALL PLANS AND LEVELS ARE EXPRESSED IN METRES.
5. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURAL STABILITY OF THE WORKS AND ENSURE NO PARTS BE OVER STRESSED UNDER CONSTRUCTION ACTIVITIES.
6. WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT CURRENT S.A.A. CODES INCLUDING ALL AMENDMENTS, AND THE LOCAL STATUTORY AUTHORITIES, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
7. THE APPROVAL OF A SUBSTITUTION SHALL BE SOUGHT FROM ACOR CONSULTANTS / PRINCIPAL'S REPRESENTATIVE BUT IS NOT AN AUTHORISATION FOR A VARIATION. ANY VARIATIONS INVOLVED MUST BE TAKEN UP WITH ACOR CONSULTANTS / PRINCIPAL'S REPRESENTATIVE BEFORE THE WORK COMMENCES.
8. ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE ENGINEER FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
9. THE CONTRACTOR SHALL GIVE 48 HOURS NOTICE FOR ALL ENGINEERING INSPECTIONS. ALL INSPECTIONS AND CERTIFICATIONS TO BE INCLUDED IN CONTRACTORS COST.
10. BUILDING FROM THESE DRAWINGS IS NOT TO COMMENCE UNTIL APPROVED BY THE PRINCIPAL CERTIFYING AUTHORITY.
11. THE WORD 'ENGINEER' USED IN THESE NOTES REFER TO AN EMPLOYEE OR NOMINATED REPRESENTATIVE OF **ACOR CONSULTANTS PTY LTD.**

EXISTING SERVICES AND FEATURES

1. THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION, REMOVAL AND DISPOSAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY WORKS WITHIN THE CONTRACT AREA, AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE PRINCIPAL'S REPRESENTATIVE.
2. THE CONTRACTOR SHALL ENSURE THAT AT ALL TIMES SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED.
3. PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL GAIN WRITTEN APPROVAL OF THEIR PROGRAMME FOR THE RELOCATION/CONSTRUCTION OF TEMPORARY SERVICES.
4. EXISTING BUILDINGS, EXTERNAL STRUCTURES, AND TREES SHOWN ON THESE DRAWINGS ARE FEATURES EXISTING PRIOR TO ANY DEMOLITION WORKS.
5. CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE PRINCIPAL'S REPRESENTATIVE. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE PRINCIPAL'S REPRESENTATIVE.
6. INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE TO THE PRINCIPAL. CONTRACTOR TO GAIN APPROVAL OF PRINCIPAL'S REPRESENTATIVE FOR TIME OF INTERRUPTION.

COMPACTION NOTES

1. STRIP TOPSOIL TO EXPOSE NATURALLY OCCURRING MATERIAL AND STOCKPILE ON SITE FOR SELECTIVE RE-USE OR DISPOSE OFF-SITE AS DIRECTED BY THE SUPERINTENDENT.
 2. UNCONTROLLED FILLING IS TO BE REMOVED FROM THE FOOTPRINT OF THE BUILDING AND PAVEMENT AREAS. THE STRIPPED SURFACE SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER.
 3. PROOF ROLL EXPOSED NATURAL SURFACE WITH A MINIMUM OF EIGHT PASSES OF A SMOOTH DRUM ROLLER (MINIMUM STATIC WEIGHT OF 10 TONNES) THE FINAL PASS SHALL BE IN THE PRESENCE OF A GEOTECHNICAL ENGINEER.
 4. ALL SOFT, WET OR UNSUITABLE MATERIAL TO BE REMOVED AS DIRECTED BY THE GEOTECHNICAL ENGINEER AND REPLACED WITH APPROVED MATERIAL SATISFYING THE REQUIREMENTS LISTED BELOW.
 5. WASTE CLASSIFICATION OF SPOIL MATERIAL, INCLUDING PROVISION OF APPROPRIATE HAZARDOUS MATERIALS HANDLING (AS REQUIRED) IS THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO UNDERTAKING THE EXCAVATION WORKS.
 6. ALL FILL MATERIAL SHALL BE FROM A SOURCE APPROVED BY THE GEOTECHNICAL ENGINEER AND SHALL COMPLY WITH THE FOLLOWING :
 - a. FREE FROM ORGANIC, PERISHABLE AND CONTAMINATED MATTER
 - b. MAXIMUM PARTICLE SIZE 75MM
 - c. PLASTICITY INDEX BETWEEN 2% AND 15%
 7. ALL FILL MATERIAL SHALL BE PLACED IN MAXIMUM 200MM THICK LAYERS AND COMPACTED AT OPTIMUM MOISTURE CONTENT (+ or - 2%) TO ACHIEVE A DRY DENSITY DETERMINED IN ACCORDANCE WITH AS 1289 5.3.1 OF NOT LESS THAN THE FOLLOWING STANDARD MINIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289 5.1.1.
- | <u>LOCATION</u> | <u>STANDARD DRY DENSITY</u> |
|--|-----------------------------|
| UNDER BUILDING SLABS | 98% |
| AREAS OF SERVICE TRENCHES | 98% |
| EXTERNAL PAVED AREAS, ROADS AND CARPARKS | 98% |
| LANDSCAPED AREAS | 90% |

THE UPPER 0.5m THICKNESS FOR THE FOLLOWING AREAS MUST BE COMPACTED AT OPTIMUM MOISTURE CONTENT (+ OR -2%) AS FOLLOWS

<u>LOCATION</u>	<u>STANDARD DRY DENSITY</u>
UNDER BUILDING SLABS	100%
PAVEMENTS AND CARPARKS	100%

8. THE CONTRACTOR SHALL PROGRAM THE EARTHWORKS OPERATION SO THAT THE WORKING AREAS ARE ADEQUATELY DRAINED DURING THE PERIOD OF CONSTRUCTION. THE SURFACE SHALL BE GRADED AND SEALED OFF TO REMOVE DEPRESSIONS, ROLLER MARKS AND SIMILAR WHICH WOULD ALLOW WATER TO POND AND PENETRATE THE UNDERLYING MATERIAL. ANY DAMAGE RESULTING FROM THE CONTRACTOR NOT OBSERVING THESE REQUIREMENTS SHALL BE RECTIFIED BY THE CONTRACTOR AT THEIR COST.
9. TESTING OF THE SUBGRADE SHALL BE CARRIED OUT BY AN APPROVED NATA REGISTERED LABORATORY AT THE CONTRACTORS EXPENSE. TESTING FREQUENCY SHALL BE IN ACCORDANCE WITH THE FREQUENCY SPECIFIED IN THE GEOTECHNICAL REPORT - FOR EARTHWORKS 1 TEST / 1000m² / LAYER OR THREE TESTS PER VISIT, WHICHEVER IS THE GREATER

LINEMARKING NOTES

1. THE WORK SHALL INCLUDE ALL LINE MARKING TO ROADS, HARDESTANDS, PATHS, CARPARKS AND THE TRAFFICABLE AREAS.
2. THE PAVEMENT MARKING AND PAINT SHALL BE IN ACCORDANCE WITH S1742.2 AND THE RELEVANT LOCAL AND STATE AUTHORITY GUIDELINES.
3. PAINT SHALL BE TYPE 3, CLASS A AND THE COLOUR SHALL BE WHITE AND NOT SUBJECT TO DISCOLOURATION BY BITUMEN FROM THE ROAD SURFACE. EACH LINE SHALL BE 80mm WIDE, UNO IN LEGEND. ALL PAINT SHALL BE APPLIED BY MECHANICAL SPRAYER.
4. LINE MARKING SHALL BE SPOTTED OUT AND APPROVED PRIOR TO SPRAYING.
5. PAINT SHALL BE APPLIED AT A WET THICKNESS OF BETWEEN 0.35mm TO 0.40mm.
6. ALL EXISTING PAVEMENT MARKING WHICH IS LOCATED ON EXISTING PAVEMENT TO BE RETAINED SHALL BE REMOVED BY GRINDING WHERE THE EXISTING MARKINGS ARE MADE REDUNDANT BY THE PROPOSED WORKS.

STORMWATER NOTES

1. ALL 375 DIA. DRAINAGE PIPES AND LARGER SHALL BE CLASS "2" APPROVED SPIGOT AND SOCKET FRC OR RCP PIPES WITH RUBBER RING JOINTS. (U.N.O.) ALL DOWNPIPE DRAINAGE LINES SHALL BE SEWER GRADE uPVC WITH SOLVENT WELD JOINTS. (U.N.O.)
2. EQUIVALENT STRENGTH REINFORCED CONCRETE PIPES MAY BE USED.
3. ALL PIPE JUNCTIONS UP TO AND INCLUDING 450 DIA. AND TAPERS SHALL BE VIA PURPOSE MADE FITTINGS.
4. MINIMUM GRADE TO STORMWATER LINES TO BE 1%. (U.N.O.)
5. CONTRACTOR TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK.
6. ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH.
7. PRECAST PITS SHALL NOT BE USED UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE ENGINEER.
8. WHERE TRENCHES ARE IN ROCK, THE PIPE SHALL BE BEDDED ON A MIN. 50MM CONCRETE BED (OR 75MM THICK BED OF 12MM BLUE METAL) UNDER THE BARREL OF THE PIPE. THE PIPE COLLAR AT NO POINT SHALL BEAR ON THE ROCK. IN OTHER THAN ROCK, PIPES SHALL BE LAID ON A 75MM THICK SAND BED. IN ALL CASES BACKFILL THE TRENCH WITH SAND TO 200MM ABOVE THE PIPE. WHERE THE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH WITH SAND OR APPROVED GRANULAR BACKFILL COMPACTED IN 150MM LAYERS TO 98% STANDARD MAX. DRY DENSITY.
9. BEDDING SHALL BE (U.N.O.) TYPE HS2, IN ACCORDANCE WITH CURRENT RELEVANT AUSTRALIAN STANDARDS.
10. WHERE STORMWATER LINES PASS UNDER FLOOR SLABS SEWER GRADE RUBBER RING JOINTS ARE TO BE USED.
11. WHERE SUBSOIL DRAINAGE LINES PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS UNSLOTTED UPVC SEWER GRADE PIPE SHALL BE USED.
12. PROVIDE 3.0M LENGTH OF 100 DIA. SUBSOIL DRAINAGE PIPE WRAPPED IN FABRIC SOCK, AT UPSTREAM END OF EACH PIT.

SITWORKS NOTES

1. ORIGIN OF LEVELS - AUSTRALIAN HEIGHT DATUM (A.H.D.)
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK.
3. ALL WORK IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS, THE SPECIFICATIONS AND THE DIRECTIONS OF THE PRINCIPAL'S REPRESENTATIVE.
4. EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA AND AS SUCH THEIR ACCURACY CANNOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE PRINCIPAL'S REPRESENTATIVE. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
5. WHERE NEW WORKS ABOUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
6. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A REGISTERED SURVEYOR.
7. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER COMMUNICATIONS OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.

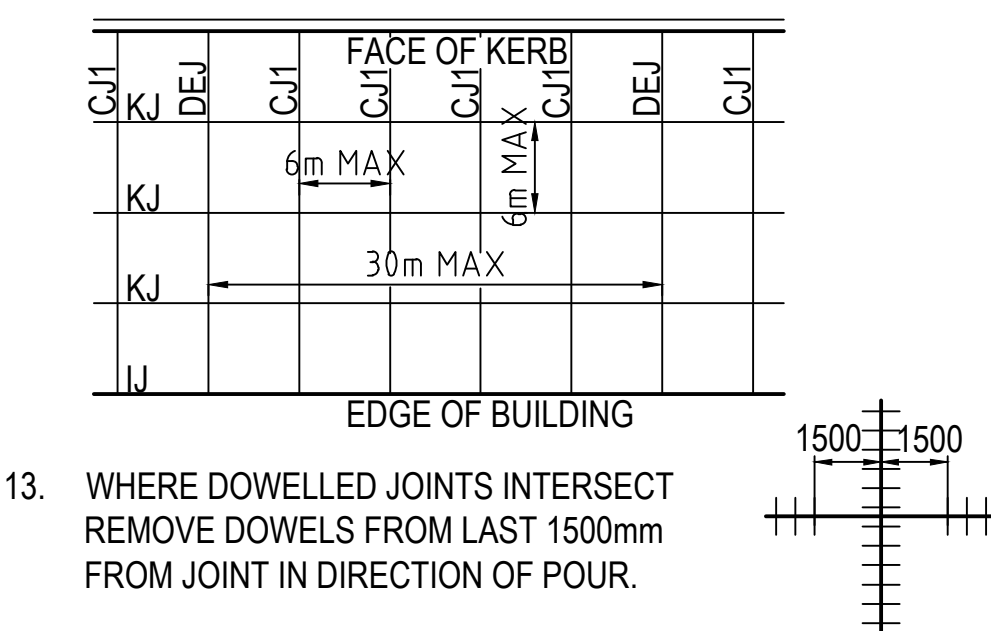
- ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACKFILLED WITH AN APPROVED NON-NATURAL GRANULAR MATERIAL AND COMPACTED TO 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS 1289.5.1.1.
9. ALL TRENCH BACKFILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.
10. ON COMPLETION OF PIPE INSTALLATION ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS.
11. PROVIDE 10mm wide EXPANDING COR JOINTS BETWEEN CONCRETE PAVEMENTS AND ALL BUILDINGS, WALLS, FOOTINGS, COLUMNS, KERBS, DISH DRAINS, GRATED DRAINS, BOLLARD FOOTINGS ETC
12. CONTRACTOR TO OBTAIN ALL AUTHORITY APPROVALS.
13. ALL BATTERS TO BE GRASSED LINED WITH MINIMUM 100 TOPSOIL AND APPROVED COUGH LAID AS TURF.
14. MAKE SMOOTH TRANSITION TO EXISTING SERVICES AND MAKE GOOD.
15. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY DIVERSION DRAINS AND MOUNDS TO ENSURE THAT AT ALL TIMES EXPOSED SURFACES ARE FREE DRAINING AND WHERE NECESSARY EXCAVATE SUMPS AND PROVIDE PUMPING EQUIPMENT TO DRAIN EXPOSED AREAS.
16. THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
17. TRENCHES THROUGH EXISTING ROAD AND CONCRETE PAVEMENTS SHALL BE SAWCUT TO FULL DEPTH OF CONCRETE AND A MIN 50mm IN BITUMINOUS PAVING.
18. ALL BRANCH GAS AND WATER SERVICES UNDER DRIVEWAYS AND BRICK PAVING SHALL BE LOCATED IN 600 uPVC SEWER GRADE CONDUITS EXTENDING A MIN OF 500mm PAST PAVING.
19. ON COMPLETION OF WORKS ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL INCLUDING, BUT NOT LIMITED TO, KERBS, FOOTPATHS, CONCRETE AREAS, GRASS AND LANDSCAPED AREAS.

CONCRETE PAVEMENT JOINT NOTES

- CONCRETE MIX PARAMETERS ;
 - MAXIMUM AGGREGATE SIZE 20mm
 - FLEXURAL STRENGTH AT 28 DAYS = 3.5MPa
 - FLEXURAL STRENGTH AT 90 DAYS = 3.85 MPa
 - MAXIMUM WATER / CEMENT RATIO = 0.55
 - MAXIMUM SHRINKAGE LIMIT = 650 MICRON STRAINS (AS 1012 Pt 13)
 - MINIMUM CEMENT CONTENT = 300kg/m³
 - CEMENT TO BE TYPE "A" (NORMAL CEMENT) TO AS.1315
 - SLUMP = 50mm
2. JOINT TO BE SAWN AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY THAT IT WILL NOT BE DAMAGED BY SAWING. IF AN UNPLANNED CRACK OCCURS THE CONTRACTOR SHALL REPLACE WHOLE SLABS EITHER SIDE OF THE UNPLANNED CRACK, UNLESS DIRECTED OTHERWISE.
3.
 - a. CONSTRUCT JOINTS AS DETAILED
 - b. CONSTRUCTION JOINTS WHERE REQUIRED BUT NOT SHOWN, SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER AND CONSTRUCTED AT THE CONTRACTORS EXPENSE.
 - c. ALL LONGITUDINAL CONSTRUCTION JOINTS SHALL BE FORMED AND INCLUDE DOWEL BARS AS SPECIFIED. ALL TRANSVERSE CONSTRUCTION JOINTS SHALL BE FORMED AND INCLUDE DOWEL BARS AS SPECIFIED.
 - d. BOND BREAKER TO BE TWO (2) UNIFORM COATS OF BITUMEN EMULSION ALL OVER THE EXPOSED SURFACE AND ON END.
3. DOWELS AND TIE BARS TO MEET STRENGTH REQUIREMENTS OF STRUCTURAL GRADE STEEL IN ACCORDANCE AS. 1302. DOWELS AND TIE BARS SHALL BE :-
 - STRAIGHT
 - TO LENGTH SPECIFIED
 - CLEAN AND FREE FROM MILL SCALE, RUST AND OIL.
 - SAWN TO LENGTH NOT CROPPED.
4. DIMENSIONS OF SEALANT RESERVOIR DEPENDANT ON THE SEALANT TYPE ADOPTED. ENGINEERS APPROVAL TO BE OBTAINED FOR SEALANT AND RESERVOIR DIMENSIONS AND DETAIL PROPOSED BY THE CONTRACTOR. REFER DETAIL "B" FOR TYPICAL ARRANGEMENT AND SEALANT.
5. PRIOR TO THE PLACEMENT OF CONCRETE IN THE ADJACENT SLAB SELF EXPANDING CORK FILLER SHALL BE ADHERED TO THE ALREADY CAST AND CLEANED CONCRETE FACE USING AN APPROVED WATERPROOF ADHESIVE. ADHESIVE SHALL BE LIBERALLY APPLIED TO THE FULL FACE OF THE CONCRETE SLAB TO BE COVERED BY THE FILLER, AND ON THE FULL FACE OF THE FILLER TO BE ADHERED.

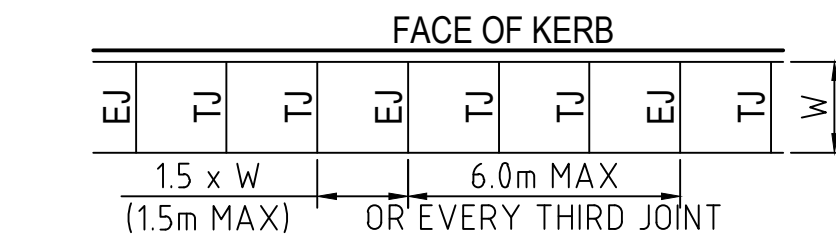
VEHICULAR PAVEMENT JOINTING

8. ALL VEHICULAR PAVEMENT TO BE JOINED AS SHOWN ON DRAWINGS.
9. KEYED CONSTRUCTION JOINTS SHOULD GENERALLY BE LOCATED AT A MAXIMUM OF 6m CENTRES.
10. 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 DOWELED EXPANSION JOINTS AT MAXIMUM OF 30m CENTRES.
11. PROVIDE 10mm WIDE FULL DEPTH ISOLATION JOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVERS.
12. VEHICULAR PAVEMENT JOINTING AS FOLLOWS.



PEDESTRIAN FOOTPATH JOINTING

14. FOOTPATH EXPANSION JOINTS ARE TO BE LOCATED WHERE POSSIBLE AT TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 6.0m CENTRES.
15. TOOLED JOINTS ARE TO BE LOCATED AT A MAX 1.5 x WIDTH OF THE PAVEMENT.
16. WHERE POSSIBLE JOINTS SHOULD BE LOCATED TO MATCH KERBING AND/OR ADJACENT PAVEMENT JOINTS.



17. ALL PEDESTRIAN FOOTPATH JOINTING LAYOUTS AS FOLLOWS (UNO).
18. ALL RAMPED CROSSINGS SHALL BE DOWELED INTO ADJOINING PATH PAVEMENT.

ASPHALTIC CONCRETE NOTES

GENERAL

1. MINERAL AGGREGATES TO COMPLY WITH AUSTRALIAN STANDARDS
 2. MINERAL FILLER TO COMPLY WITH AS 2357 MINERAL FILLERS OR ASPHALT.
 3. BITUMEN BINDER SHALL COMPLY WITH AS 2008
- MIX PROPORTIONS**
1. JOB MIX - 10mm NOMINAL SIZE AGGREGATE. MINIMUM BITUMEN CONTENT BY MASS OF TOTAL MASS - 5.1%
 2. MIX STABILITY - BETWEEN 16KN AND 36KN AS DETERMINED BY AS 2891
 3. AIR VOIDS IN COMPACTED MIX - BETWEEN 4% AND 7% OF THE VOLUME OF THE MIX.
 4. VOIDS FILLED IN BINDER - 65-80% OF AIR VOIDS IN THE TOTAL MINERAL AGGREGATE FILLED BY BINDER IN ACCORDANCE WITH AUSTRALIAN STANDARDS.

PAVEMENT PREPARATION

1. THE EXISTING SURFACE TO BE SEALED SHALL BE DRY AND BROOMED BEFORE COMMENCEMENT OF WORK TO ENSURE COMPLETE REMOVAL OF ALL SUPERFICIAL FOREIGN MATTER.
2. ALL DEPRESSIONS OR UNEVEN AREAS ARE TO BE TACK-COATED AND BROUGHT UP TO GENERAL LEVEL OF PAVEMENT WITH ASPHALTIC CONCRETE BEFORE LAYING OF MAIN COURSE.

TACK COAT

1. THE WHOLE OF THE AREA TO BE SHEETED WITH ASPHALTIC CONCRETE SHALL BE LIGHTLY AND EVENLY COATED WITH RAPID SETTING BITUMEN COMPLYING WITH AUSTRALIAN STANDARDS. APPLICATION RATE FOR RESIDUAL BITUMEN SHALL BE 0.15 TO 0.30 LITRES/SQUARE METRE. APPLICATION SHALL BE BY MEANS OF A MECHANICAL SPRAYER WITH SPRAY BAR.

SPREADING

1. ALL ASPHALTIC CONCRETE SHALL BE SPREAD WITH A SELF PROPELLED PAVING MACHINE.
2. THE ASPHALTIC CONCRETE SHALL BE LAID AT A MIX TEMPERATURE AS SHOWN BELOW;

ROAD SURFACE TEMPERATURE IN SHADE (°C)	MIX TEMPERATURES (°C)
5 - 10	NOT PERMITTED
10 - 15	150
15 - 25	145
OVER 25	140

3. ASPHALTIC CONCRETE SHALL NOT BE LAID WHEN THE ROAD SURFACE IS WET OR WHEN COLD WINDS CHILL THE MIX ADVERSELY AFFECT SPREADING AND COMPACTION.
4. THE MINIMUM COMPACTED THICKNESS IS 30mm OVER EXISTING SEALED PAVEMENTS AND 50mm OVER NEW PAVEMENTS.

JOINTS

1. THE NUMBER OF JOINTS BOTH LONGITUDINAL AND TRANSVERSE SHALL BE KEPT TO A MINIMUM.
2. THE DENSITY AND SURFACE FINISH AT JOINTS SHALL BE SIMILAR TO THOSE OF THE REMAINDER OF THE LAYER.

COMPACTION

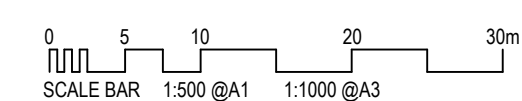
1. ALL COMPACTION SHALL BE UNDERTAKEN USING SELF PROPELLED ROLLERS.
2. INITIAL ROLLING SHALL BE COMPLETE BEFORE THE MIX TEMPERATURE FALLS BELOW 105°C
3. SECONDARY ROLLING SHALL BE COMPLETED BEFORE THE MIX TEMPERATURE FALLS BELOW 60°C
4. MINIMUM CHARACTERISTICS VALUE OF RELATIVE COMPACTION OF A LOT WHEN TESTED IN ACCORDANCE WITH AS2150.

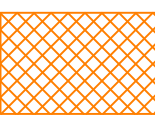
FINISHED PAVEMENT PROPERTIES

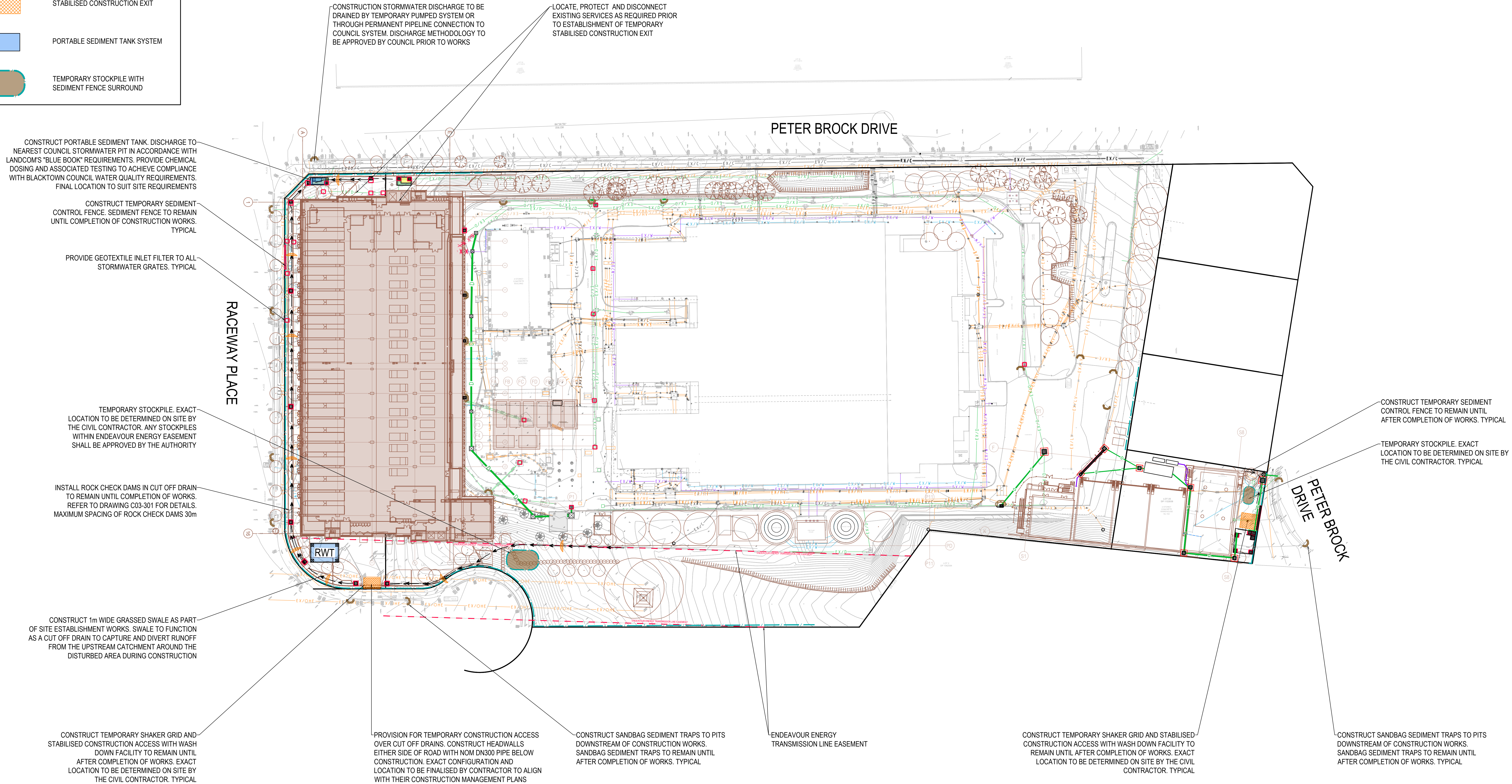
1. FINISHED SURFACES SHALL BE SMOOTH, DENSE AND TRUE TO SHAPE AND SHALL NOT VARY MORE THAN 10mm FROM THE SPECIFIED PLAN LEVEL AT ANY POINT AND SHALL NOT DEVIATE FROM THE BOTTOM OF A 3m STRAIGHT EDGE LAID IN ANY DIRECTION BY MORE THAN 5mm.

NOTES:

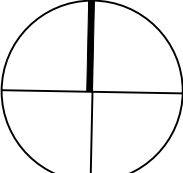
1. UNDERGROUND SERVICES INCLUDING HIGH VOLTAGE ELECTRICAL PITS AND CABLES HAVE BEEN SHOWN BASED ON SUBSURFACE UTILITY INVESTIGATION & DETAIL SURVEY PREPARED BY: GEOSURV (REF: ASP250449-SUIJ05-02|A, MG949), DATED: 14.08.25. THE ACCURACY OF THESE DRAWINGS HAS NOT BEEN VERIFIED BY ACOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ACCURATELY LOCATE AND VERIFY THE HIGH VOLTAGE INFRASTRUCTURE AND OTHER SERVICES WITHIN THE VICINITY OF THE PROPOSED EXTENT OF WORKS..
2. THE CONTRACTOR SHALL RESTORE ALL PAVEMENTS, KERBS, FURNITURE, LANDSCAPING AND EXISTING SERVICES TO BE RETAINED OR REINSTATED POST EXCAVATION THAT WILL REQUIRE REMOVAL TO FACILITATE THE CIVIL WORKS SHOWN.
3. INVERT LEVELS OF THE EXISTING STORMWATER SYSTEM HAVE BEEN BASED ON THE SITE SURVEY PREPARED BY TOTAL SURVEYING SOLUTIONS (REF: 19999_F) OR AVAILABLE DESIGN DRAWINGS OF THE EXISTING DATA CENTRE WHERE THE SURVEY IS MISSING INFORMATION. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL EXISTING STORMWATER PIT AND PIPE LEVELS WHERE NEW WORKS INTERCEPT EXISTING PRIOR TO ANY CONSTRUCTION WORKS BEING UNDERTAKEN.
4. APPROVAL FROM ENDEAVOUR ENERGY MUST BE OBTAINED BEFORE CONSTRUCTING ANY PROPOSED WORKS WITHIN THE TRANSMISSION LINE EASEMENT, INCLUDING BUT NOT LIMITED TO RETAINING WALLS, EARTHWORKS, RAINWATER TANKS, FENCING, PAVEMENTS, ROAD FURNITURE AND THE LINE.
5. REFER TO ARBORIST DOCUMENTATION FOR EXISTING TREES TO BE RETAINED AND REMOVED.

[illegible]

SOIL EROSION AND SEDIMENT CONTROL LEGEND	
	SEDIMENT FENCE
	WRAP INLET GRATE IN FILTER FABRIC. PROVIDE AT ALL STORMWATER PITS, RAINWATER OUTLETS AND TRENCH DRAINS.
	SAND BAG SEDIMENT TRAP
	CUT OFF DRAIN
	ROCK CHECK DAM
	STABILISED CONSTRUCTION EXIT
	PORTABLE SEDIMENT TANK SYSTEM
	TEMPORARY STOCKPILE WITH SEDIMENT FENCE SURROUND



amendments		by	verified
01	SSCA MODIFICATION 2 ISSUE	RG	MG



client



AcOR Consultants Pty Ltd
www.acor.com.au



structural



TTW
www.thewagreen.com

architect



planning, urban design, architecture,
landscape architecture, interior design

p: po box 55036 west chadswood nsw 1515
t: (02) 8966 6000
w: www.dem.com.au

services



LCI

LCI CONSULTANTS (AUSTRALIA) PTY LTD
LEVEL 5, 73 MILLER STREET, NORTH SYDNEY, NSW, 2060
ABN: 92 124 107 973

client



DCI Data Centers

project

DCI SYD02
90 Peter Brock Drive, Eastern Creek, NSW

drawing title

CIVIL SERVICES
SOIL EROSION AND SEDIMENT CONTROL PLAN

original	scale	drawn	project no.
a0	1:500	RP	NA241460
drawing no.		rev no.	
S02-CI-05-DRG-ACR-0301			01

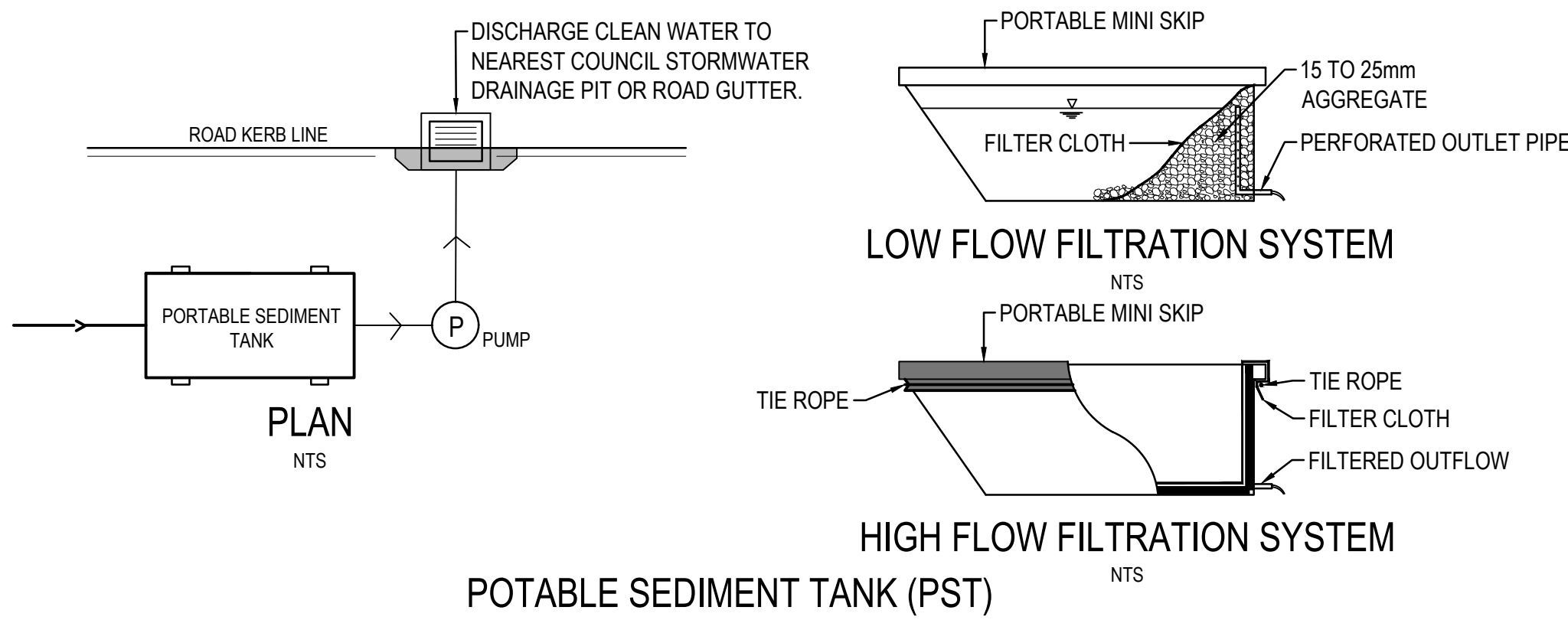
SCALE BAR 1:500 @A1 1:1000 @A3

EROSION AND SEDIMENT CONTROL
NOTES

- ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH:
 - LOCAL AUTHORITY REQUIREMENTS,
 - EPA - POLLUTION CONTROL MANUAL FOR URBAN STORMWATER
 - LANDCOMS SOIL AND CONSTRUCTION - MANAGING URBAN STORMWATER MANUAL
- 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 REQUIRE TO BE MODIFIED. VARIATION TO THESE DETAILS MAY REQUIRE TO BE APPROVED BY THE RELEVANT AUTHORITIES. THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE IMPLEMENTED AND ADOPTED 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 SEDIMENT TRAPS ARE ERECTED AROUND PITS.
- MINIMIZE 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 APPROVED CONSTRUCTION ENTRY/EXIT ROUTE.
- 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 CONTROL DEVICES BELOW THE SITE AND ACROSS ALL POTENTIAL RUNOFF SITES.
 - CO-ORDINATE CONSTRUCTION ENTRY/EXIT ROUTES WITH SITE SUPERINTENDENT. ARRANGE SUITABLE LOCATION FOR THE INSPECTION OF TRUCKS PRIOR TO LEAVING SITE AND DIVERT RUNOFF TO SUITABLE CONTROL SYSTEM.
 - CONSTRUCT MEASURES TO DIVERT UPSTREAM FLOWS INTO EXISTING STORMWATER SYSTEM.
 - PROVIDE SANDBAG SEDIMENT TRAPS UPSTREAM OF EXISTING PITS.
 - LOCATE A 1.8 METRE CHAIN WIRE FENCE AROUND THE BOUNDARIES AND ATTACH HESSIAN CLOTH TO IT ON THE WINDOWARD SIDE (TIES AT THE TOP CENTER AND BOTTOM AND AT 1 METRE INTERVALS.
- DISTURBED AREAS ARE REGULARLY WATERED TO REDUCE DUST POLLUTION.
- CONSTRUCT GEOTEXTILE FILTER PIT SURROUND (SEDIMENT TRAP) AROUND ALL PROPOSED PITS AS THEY ARE CONSTRUCTED.
- ON COMPLETION OF PAVEMENT PROVIDE SAND BAG SEDIMENT TRAPS AROUND PITS.
- PROVIDE AND MAINTAIN A STRIP OF TURF ON BOTH SIDES OF ALL ROADS AFTER THE CONSTRUCTION OF KERBS.
- REMOVE ALL TEMPORARY SOIL MANAGEMENT DEVICES AT THE COMPLETION OF ALL CONSTRUCTION ACTIVITY AND PRIOR TO SITE HANDOVER.



GENERAL OPERATION:

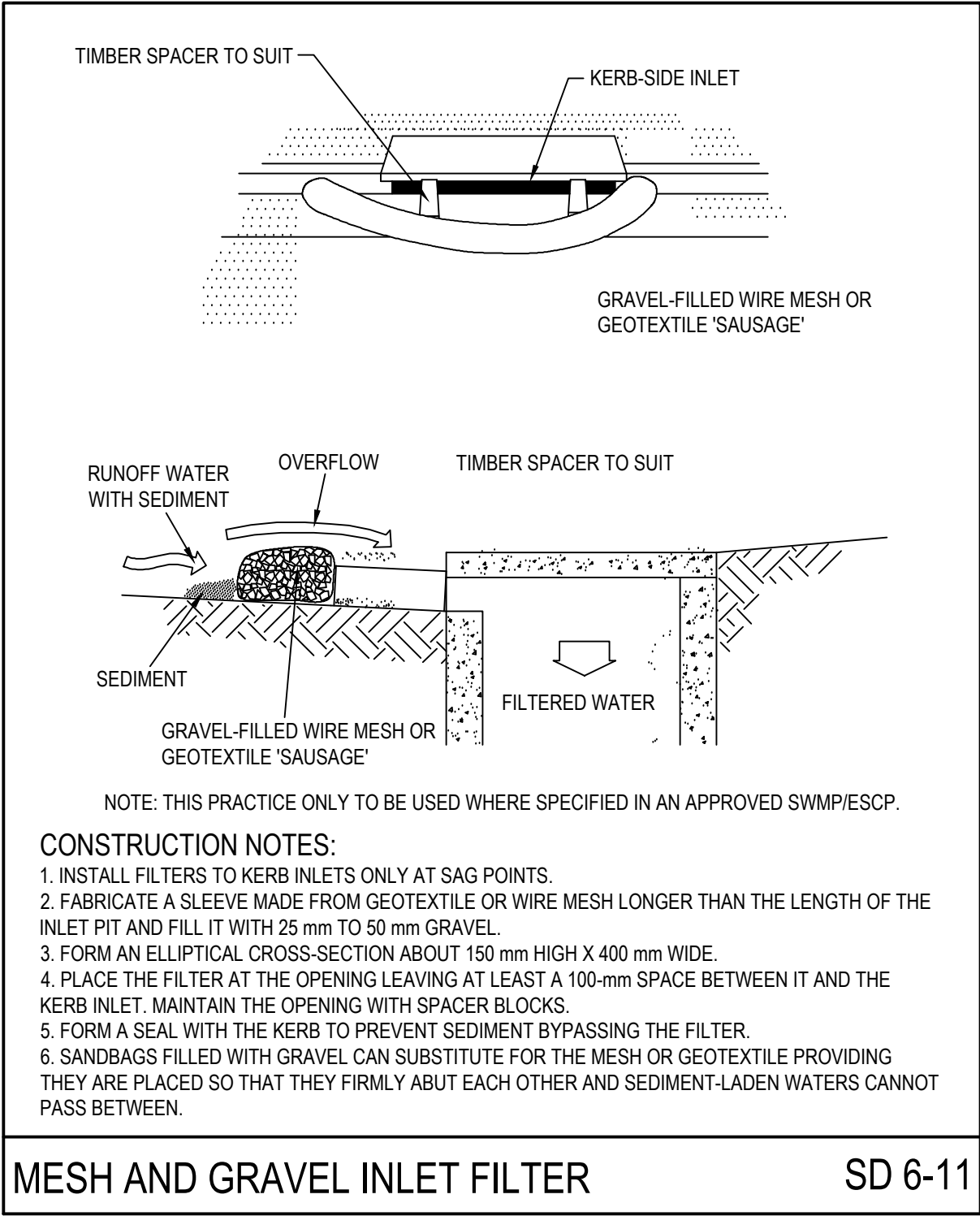
- REFER TO APPROVED PLANS AND ASSOCIATED ENVIRONMENTAL MANAGEMENT PLANS FOR OPERATIONAL DETAILS. IF THERE ARE QUESTIONS OR PROBLEMS WITH THE METHOD OF INSTALLATION OR OPERATION, CONTACT THE PRODUCT SUPPLIER AND/OR RESPONSIBLE ON-SITE OFFICERS FOR ASSISTANCE.
- PRIOR TO USE, CONDUCT FLOCCULATION TESTS TO DEMONSTRATE SUITABILITY OF TREATMENT ADDITIVE AND APPROXIMATE DOSAGE RATE.
- USE OF CHEMICAL ADDITIVES MUST BE WITHIN LIMITS SPECIFIED BY RELEVANT AUTHORITIES, INCLUDING STATE AGENCIES.
- CHEMICAL FLOCCULENT/COAGULANTS MUST BE ALLOWED TO MIX RAPIDLY WITH THE WATERS TO INSURE PROPER DISPERSION.
- ENSURE THE TANK OPERATES IN A MANNER THAT PREVENTS THE RE-SUSPENSION AND DISCHARGE OF THE SETTLED SEDIMENT.
- MAINTAIN A DAILY LOG OF BATCH RATES (VOLUME AND TIME), TYPE AND AMOUNT OF CHEMICAL USAGE (INCLUDING PH ADJUSTMENTS IF ANY), AND WATER QUALITY MONITORING.

MAINTENANCE:

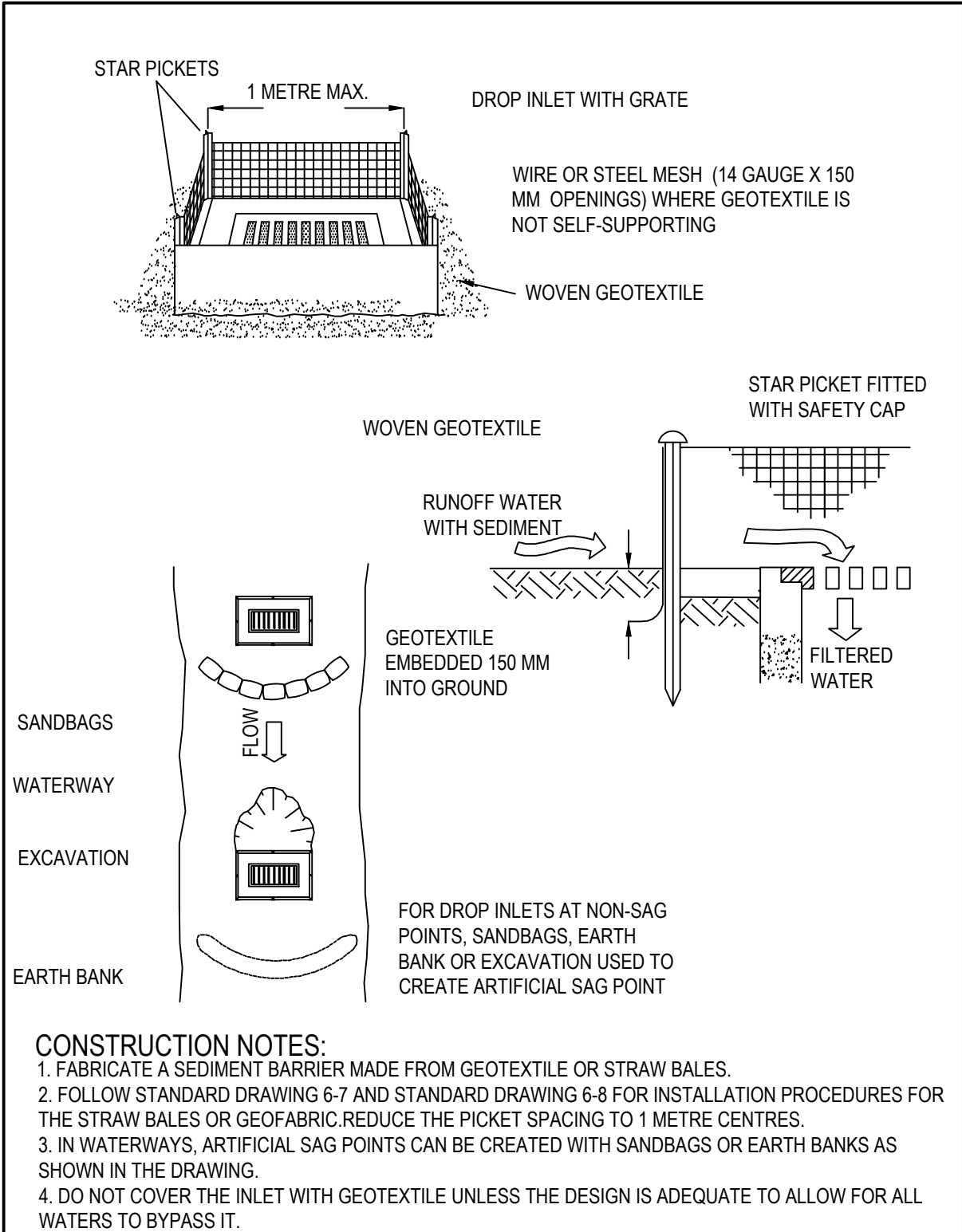
- INSPECT THE SEDIMENT TANK REGULARLY AND AT LEAST DAILY DURING DE-WATERING OPERATIONS.
- MAKE REPAIRS/ADJUSTMENTS AS NEEDED TO MAINTAIN THE REQUIRED TREATMENT STANDARD.
- DE-SILT THE TANK AND MAINTAIN ALL REPLACEABLE COMPONENTS (SUCH AS FILTERS) IN ACCORDANCE WITH SUPPLIED OPERATIONAL INSTRUCTIONS. UNIQUE SITE-MODIFIED UNITS SHOULD BE DE-SILTED ONCE SETTLED SEDIMENT EXCEEDS ONE THIRD OF STORAGE VOLUME.
- DISPOSE OF ALL SEDIMENT IN A MANNER THAT WILL NOT CREATE EROSION OR POLLUTION HAZARDS.

REMOVAL:

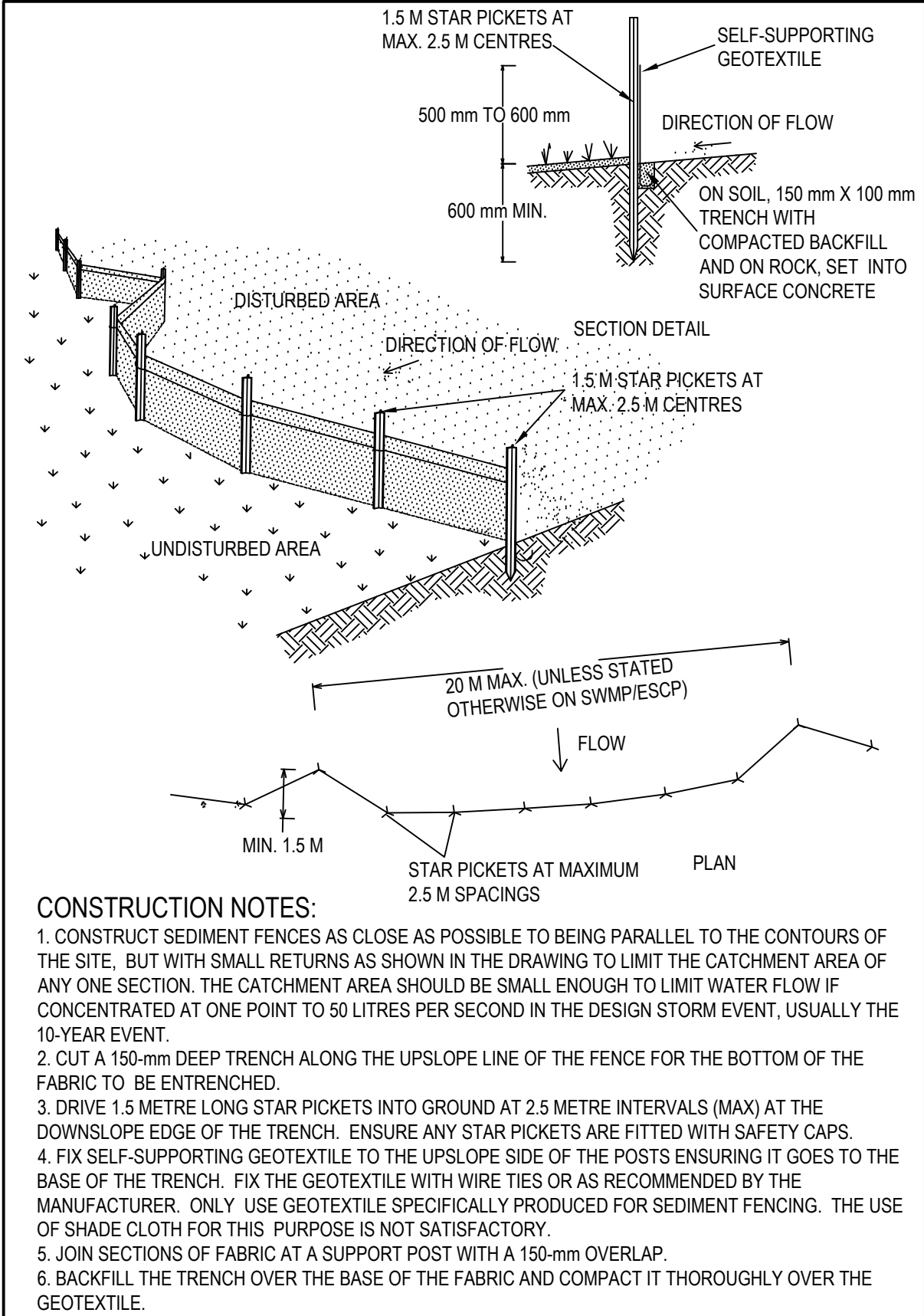
- DISASSEMBLE AND REMOVE ALL COMPONENTS OF THE SEDIMENT TANK AND REMOVE FROM SITE.
- DISPOSE OF THE CONSUMABLES AND SEDIMENT IN A MANNER THAT WILL NOT CREATE FURTHER EROSION, SEDIMENTATION OR ENVIRONMENTAL PROBLEMS.
- REHABILITATE ALL DISTURBED GROUND AS NECESSARY TO MINIMISE THE EROSION HAZARD.



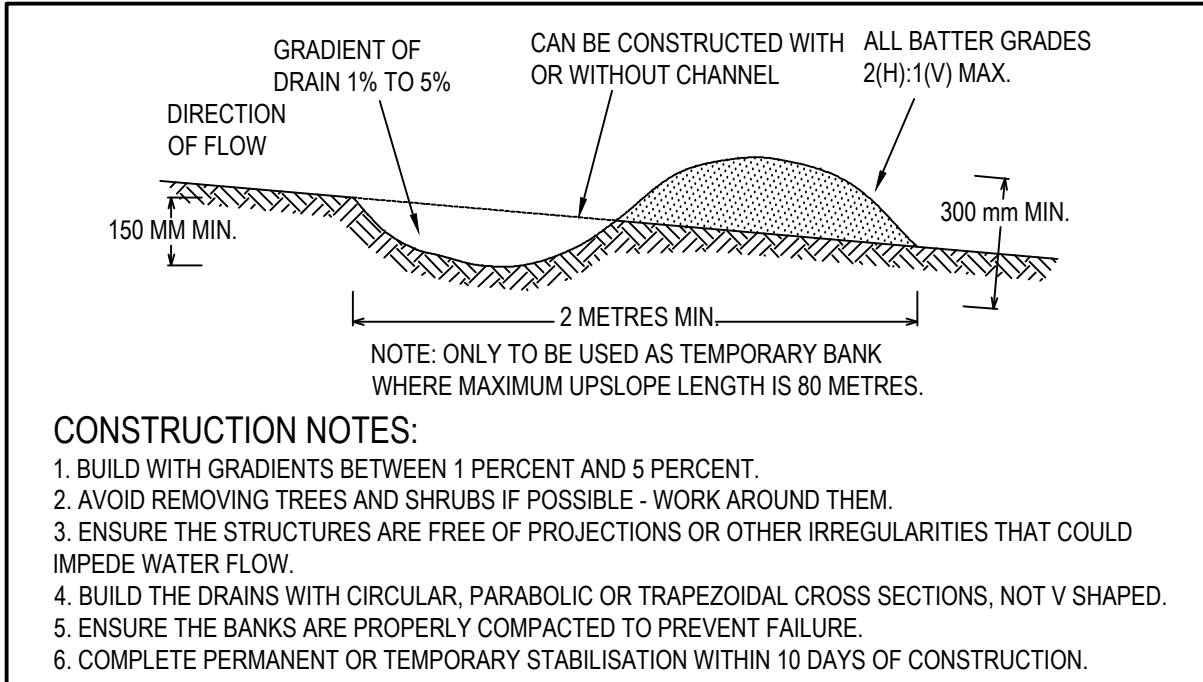
MESH AND GRAVEL INLET FILTER SD 6-11



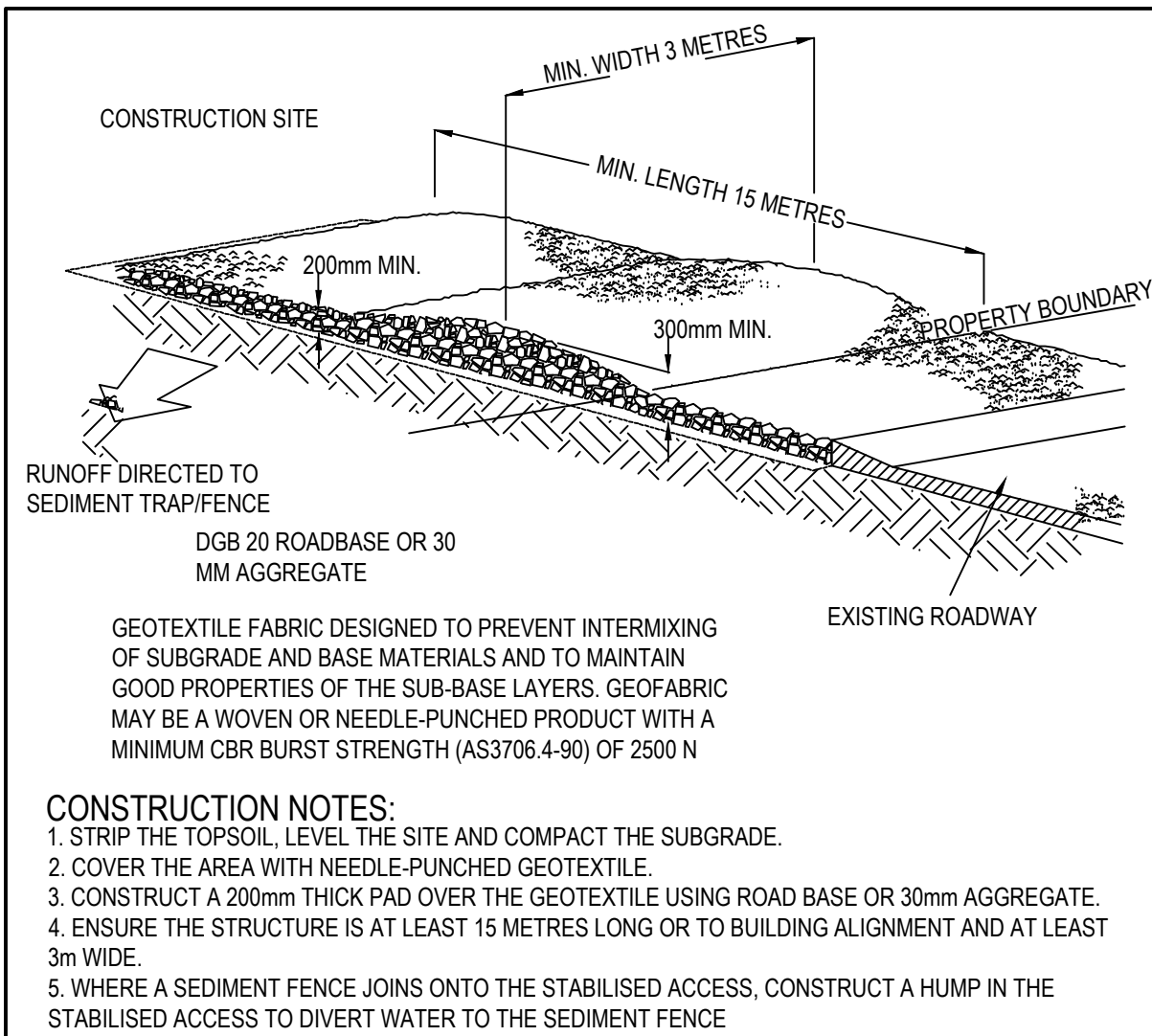
GEOTEXTILE INLET FILTER SD 6-12



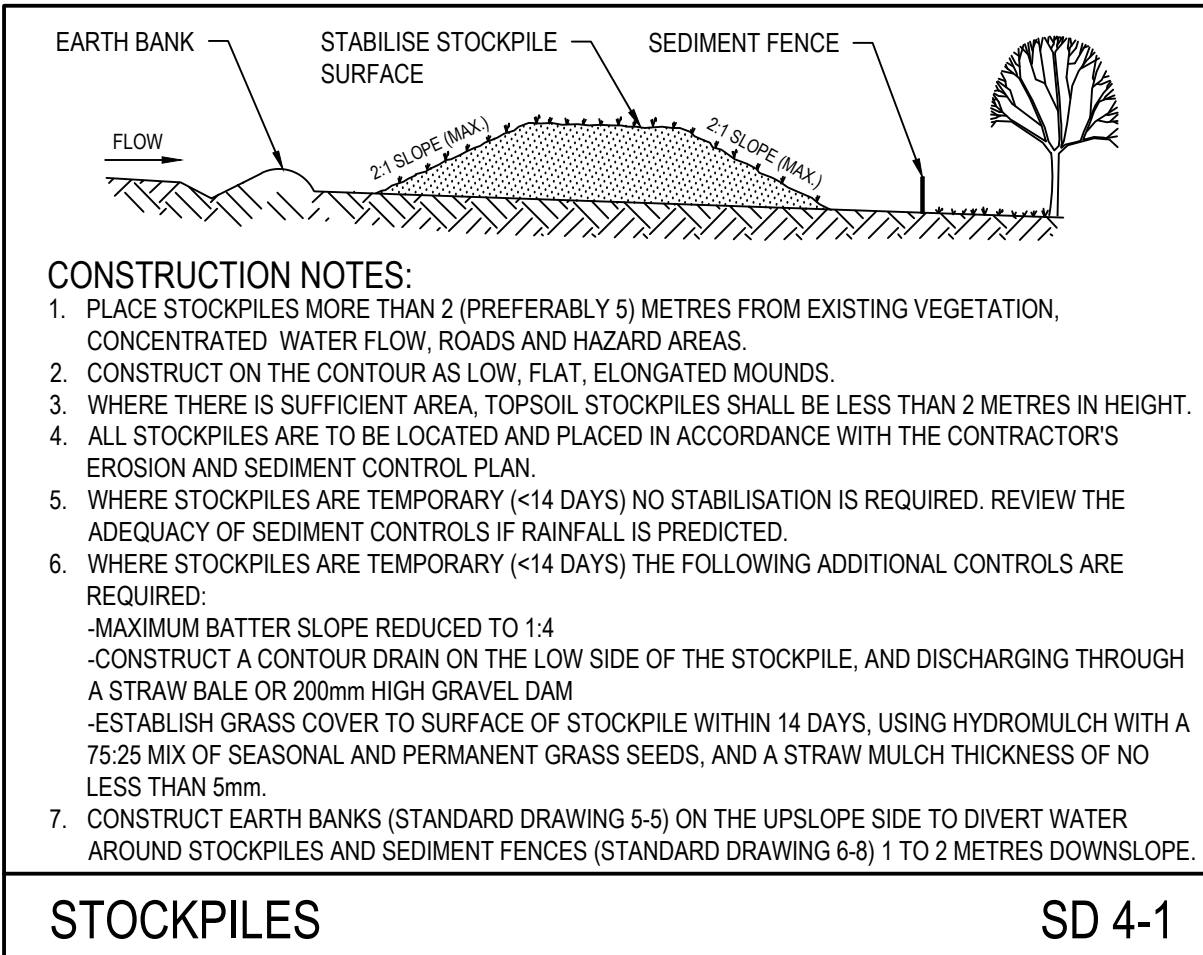
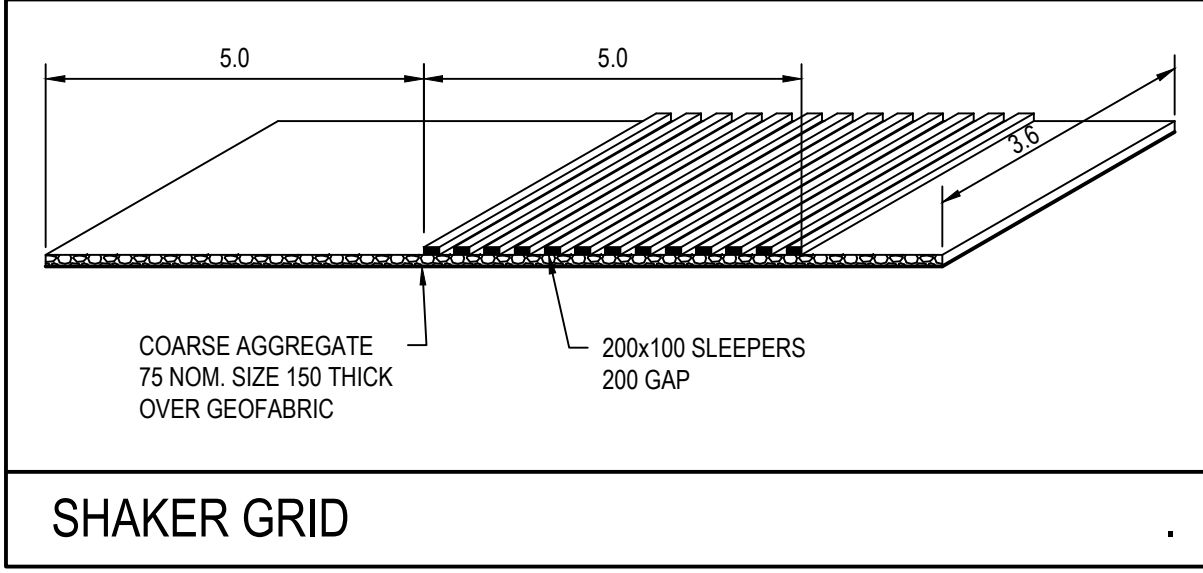
SEDIMENT FENCE SD 6-8



EARTH BANK (LOW FLOW) SD 5-5



STABILISED SITE ACCESS SD 6-14



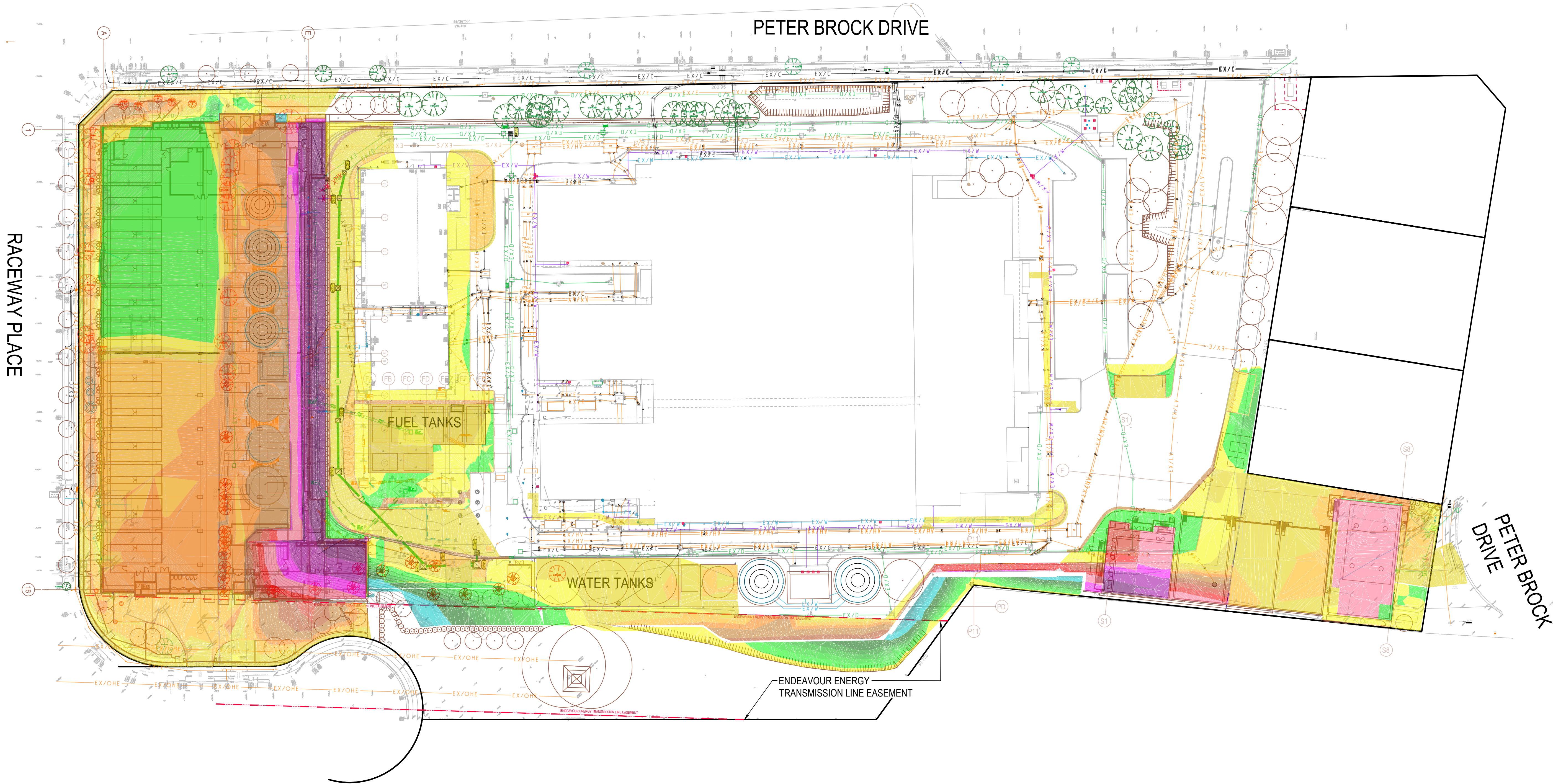
STOCKPILES SD 4-1

amendments		by	verified
01	20.04.26	SSCA MODIFICATION 2 ISSUE	RG MG
client		ACOR Consultants Pty Ltd www.acor.com.au	
structural		TTW www.thaingreens.com	
architect		dem	
planning, urban design, architecture, landscape architecture, interior design		dem	
services		LCI LCI CONSULTANTS (AUSTRALIA) PTY LTD LEVEL 5, 73 MILLER STREET, NORTH SYDNEY, NSW, 2060 ABN: 92 124 107 973	
client		DCI Data Centers	
project		DCI SYD02 90 Peter Brock Drive, Eastern Creek, NSW	
drawing title		CIVIL SERVICES SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	
original		scale	drawn
a0		AS SHOWN	RP
drawing no.		project no.	rev no.
S02-CI-05-DRG-ACR-0351		NA241440	01

NOTE: ALL EARTHWORKS QUANTITIES ARE THEORETICAL AND INDICATIVE ONLY, BASED UPON ESTIMATED VOLUMES WITH NO ALLOWANCE FOR BULKING FACTORS. THE CONTRACTOR IS RESPONSIBLE FOR FINALISING EARTHWORKS CUT AND FILL QUANTITIES BASED ON SITE CONDITIONS ENCOUNTERED DURING EARTHWORKS OPERATIONS

CUT / FILL QUANTITIES	
TOTAL CUT	- 16,450m³
TOTAL FILL	950 m³
TOTAL BALANCE	-15,500 m³ (CUT)

LEGEND	
CUT	FILL
-8.00 to -6.50 m	0.00 to 0.25 m
-6.50 to -5.00 m	0.25 to 0.50 m
-5.00 to -4.00 m	0.50 to 0.75 m
-4.00 to -3.00 m	0.75 to 1.00 m
-3.00 to -2.50 m	1.00 to 1.50 m
-2.50 to -2.00 m	1.50 to 2.00 m
-2.00 to -1.50 m	2.00 to 2.50 m
-1.50 to -1.00 m	2.50 to 3.00 m
-1.00 to -0.75 m	3.00 to 4.00 m
-0.75 to -0.50 m	4.00 to 5.00 m
-0.50 to -0.25 m	5.00 to 6.50 m
-0.25 to 0.00 m	6.50 to 8.00 m



ASSUMPTIONS

- A NOMINAL BOXING OUT OF 675MM TO THE DATA CENTRE FLOOR SLAB HAS BEEN ALLOWED FOR IN THE CUT AND FILL CALCULATIONS. THIS IS COMPRISED OF 275MM SLAB, 100MM VOID FORMER AND 300MM WORKING PLATFORM
- A NOMINAL BOXING OUT OF 550MM TO THE FUEL TANK SLAB HAS BEEN ALLOWED FOR IN THE CUT AND FILL CALCULATIONS. THIS IS COMPRISED OF 450MM SLAB AND 100MM VOID FORMER.
- A NOMINAL BOXING OUT OF 600MM TO THE MECHANICAL COOLING WATER TANK SLAB AND 500MM TO THE FIRE WATER TANK SLAB HAS BEEN ALLOWED.
- AN ASSUMED BOXING OUT OF 3200MM TO THE INGROUND RAINWATER TANK HAS BEEN ALLOWED FOR IN THE CUT AND FILL CALCULATIONS
- A NOMINAL BOXING OUT ALLOWANCE FOR THE FOLLOWING PAVEMENTS HAVE BEEN ALLOWED FOR IN THE CUT AND FILL CALCULATIONS:
- RIGID PAVEMENTS - TYPE 1 = 325MM
- ASPHALT PAVEMENT- TYPE 2 = 450MM
- CONCRETE FOOTPATH - TYPE 3 = 175MM
- THE VOLUME OF THE 300MM WORKING PLATFORM FOR THE BUILDING SLAB HAS NOT BEEN INCLUDED IN THE CALCULATED FILL QUANTITY AS THIS IS ASSUMED TO BE IMPORTED MATERIAL RATHER THAN CUT TO FILL.
- A NOMINAL BOXING OUT OF 300MM TO ALL LANDSCAPED AREAS HAS BEEN ALLOWED FOR IN THE CUT AND FILL CALCULATIONS
- DETAILED BULKING AND CUT / FILL QUANTITIES FOR FOOTINGS, TRENCHING AND THE LIKE HAS NOT BEEN INCLUDED IN THE CUT AND FILL ASSESSMENT.
- ALL TOPSOIL SHALL BE RETAINED ON THE DEVELOPMENT SITE AND UTILISED EFFECTIVELY TO ENCOURAGE APPROPRIATE REVEGETATION.
- SWALES HAVE NOT BEEN INCLUDED AS PART OF THE CUT/FILL ASSESSMENT.
- BULKING AND COMPACTION FACTORS HAVE NOT BEEN INCLUDED IN THE CUT AND FILL ASSESSMENT.
- CUT AND FILL CALCULATIONS FOR THE SUBSTATION HAS NOT BEEN UNDERTAKEN.



amendments		by	verified
Rev	Issue	amendment	
01	20.04.26	SSCA MODIFICATION 2 ISSUE	RG MG

client

DCI SYD02
90 Peter Brock Drive, Eastern Creek, NSW

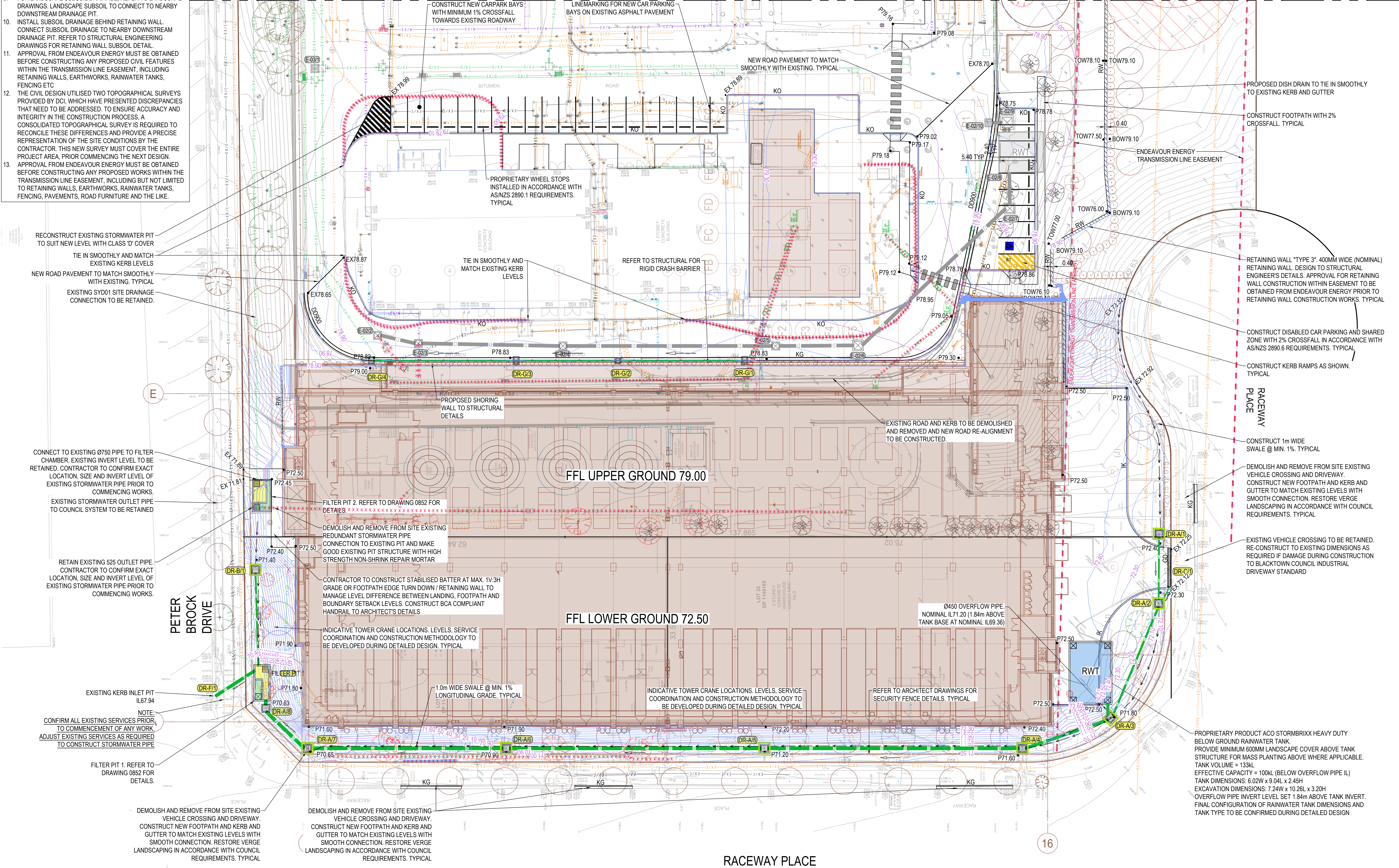
drawing title

CIVIL SERVICES
BULK EARTHWORKS PLAN

original	scale	drawn	project no.
a0	1:500	RP	NA241460
drawing no.			rev no.
S02-CI-05-DRG-ACR-0401			01

- NOTES
1. FOR LEGENDS AND GENERAL NOTES, REFER TO DRAWING SERIES CI-0000.
 2. EXISTING TREE TO BE RETAINED AND REMOVED TO BE CONFIRMED BY ARBORIST.
 3. FOR SITE FENCING & GATE DETAILS, REFER TO ARCHITECTURAL DRAWINGS.
 4. FOR SITEWORKS AND STORMWATER PLANS, REFER TO DRAWING SERIES CI-0500.
 5. FOR RETAINING WALL DETAILS, REFER TO STRUCTURAL DRAWINGS.
 6. ALL EXISTING DRAINAGE PITS AND PIPES WITHIN SITE TO BE RETAINED UNLESS NOTED OTHERWISE.
 7. SITEWORKS AND STORMWATER PLAN TO BE READ IN CONJUNCTION WITH HYDRAULIC ENGINEERING DRAWINGS.
 8. FOR ROOF DRAINAGE DETAILS, REFER TO HYDRAULIC ENGINEERING DRAWINGS.
 9. FOR LANDSCAPE SUBSOIL DRAINAGE, REFER TO LANDSCAPE DRAWINGS. LANDSCAPE SUBSOIL TO CONNECT TO NEARBY DOWNSTREAM DRAINAGE PIT.
 10. INSTALL SUBSOIL DRAINAGE BEHIND RETAINING WALL. CONNECT SUBSOIL DRAINAGE TO NEARBY DOWNSTREAM DRAINAGE PIT. REFER TO STRUCTURAL ENGINEERING DRAWINGS FOR RETAINING WALL SUBSOIL DETAIL.
 11. APPROVAL FROM ENDEAVOUR ENERGY MUST BE OBTAINED BEFORE CONSTRUCTING ANY PROPOSED CIVIL FEATURES WITHIN THE TRANSMISSION LINE EASEMENT, INCLUDING RETAINING WALLS, EARTHWORKS, RAINWATER TANKS, FENCING ETC.
 12. THE CIVIL DESIGN UTILISED TWO TOPOGRAPHICAL SURVEYS PROVIDED BY DCI, WHICH HAVE PRESENTED DISCREPANCIES THAT NEED TO BE ADDRESSED. TO ENSURE ACCURACY AND INTEGRITY IN THE CONSTRUCTION PROCESS, A CONSOLIDATED TOPOGRAPHICAL SURVEY IS REQUIRED TO RECONCILE THESE DIFFERENCES AND PROVIDE A PRECISE REPRESENTATION OF THE SITE CONDITIONS BY THE CONTRACTOR. THIS NEW SURVEY MUST COVER THE ENTIRE PROJECT AREA, PRIOR COMMENCING THE NEXT DESIGN.
 13. APPROVAL FROM ENDEAVOUR ENERGY MUST BE OBTAINED BEFORE CONSTRUCTING ANY PROPOSED WORKS WITHIN THE TRANSMISSION LINE EASEMENT, INCLUDING BUT NOT LIMITED TO RETAINING WALLS, EARTHWORKS, RAINWATER TANKS, FENCING, PAVEMENTS, ROAD FURNITURE AND THE LIKE.

ADJOINS SHT-S02-CI-05-DRG-ACR-0502



amendments		by	verified
no.	date		
01	20.04.26	SSCA MODIFICATION 2 ISSUE	RG MG

AcOR CONSULTANTS

TTW

dem

LCI

LCI CONSULTANTS (AUSTRALIA) PTY LTD

LEVEL 5, 73 MILLER STREET, NORTH SYDNEY, NSW, 2060

ABN: 92 124 107 973

DCI Data Centers

project

DCI SYD02

90 Peter Brock Drive, Eastern Creek, NSW

drawing title

CIVIL SERVICES

SITEWORKS AND STORMWATER PLAN

SHEET 1

original

a0

scale

1:200

drawn

RP

project no.

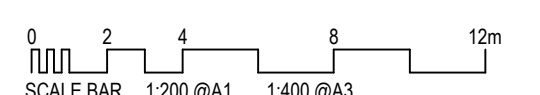
NA241460

drawing no.

S02-CI-05-DRG-ACR-0501

rev no.

01

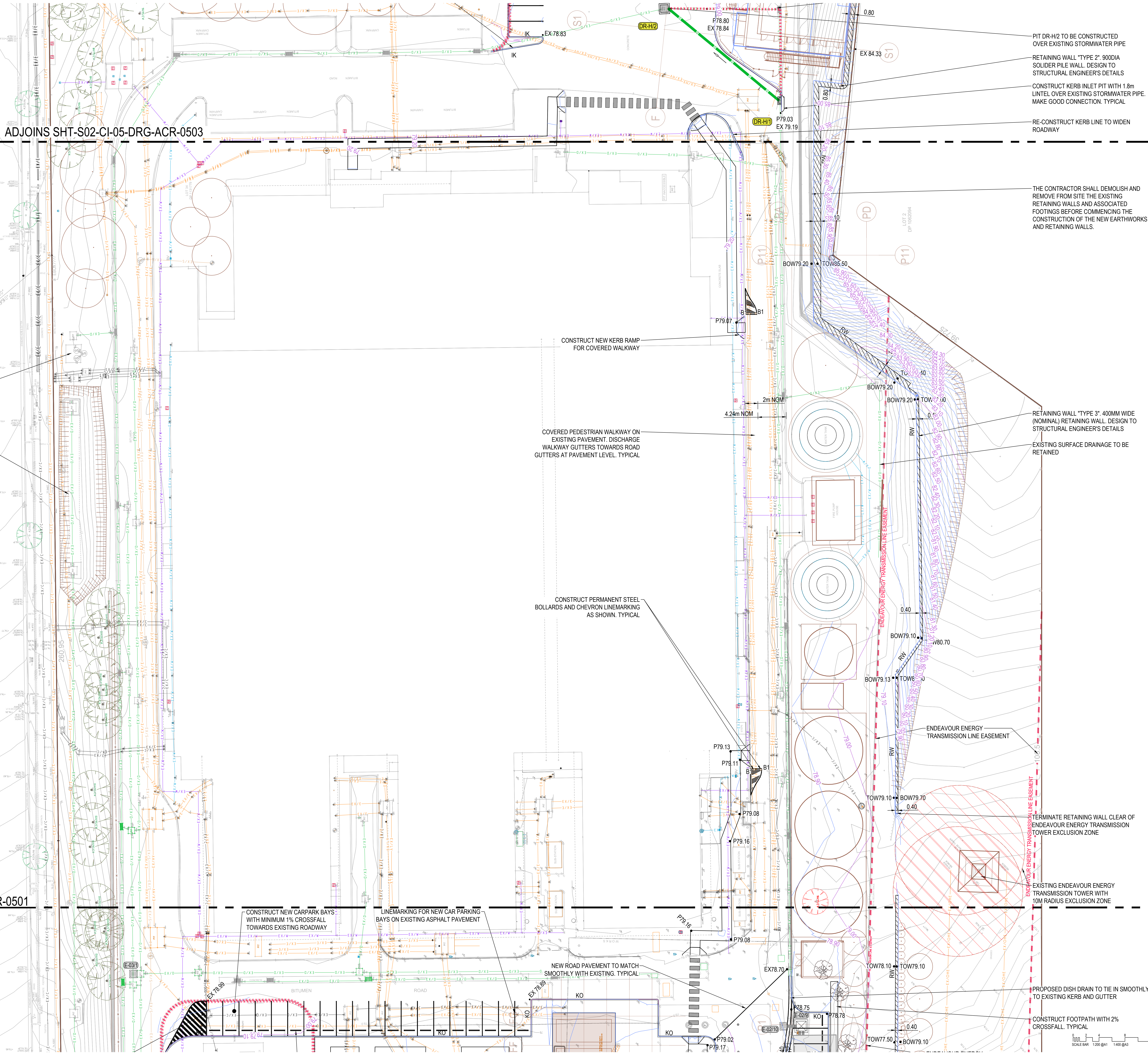


- NOTES
1. FOR LEGENDS AND GENERAL NOTES, REFER TO DRAWING SERIES CI-0000.
 2. EXISTING TREE TO BE RETAINED AND REMOVED TO BE CONFIRMED BY ARBORIST.
 3. FOR SITE FENCING & GATE DETAILS, REFER TO ARCHITECTURAL DRAWINGS.
 4. FOR SITEWORKS AND STORMWATER PLANS, REFER TO DRAWING SERIES CI-0500.
 5. FOR RETAINING WALL DETAILS, REFER TO STRUCTURAL DRAWINGS.
 6. ALL EXISTING DRAINAGE PITS AND PIPES WITHIN SITE TO BE RETAINED UNLESS NOTED OTHERWISE.
 7. SITEWORKS AND STORMWATER PLAN TO BE READ IN CONJUNCTION WITH HYDRAULIC ENGINEERING DRAWINGS.
 8. FOR ROOF DRAINAGE DETAILS, REFER TO HYDRAULIC ENGINEERING DRAWINGS.
 9. FOR LANDSCAPE SUBSOIL DRAINAGE, REFER TO LANDSCAPE DRAWINGS. LANDSCAPE SUBSOIL TO CONNECT TO NEARBY DOWNSTREAM DRAINAGE PIT.
 10. INSTALL SUBSOIL DRAINAGE BEHIND RETAINING WALL. CONNECT SUBSOIL DRAINAGE TO NEARBY DOWNSTREAM DRAINAGE PIT. REFER TO STRUCTURAL ENGINEERING DRAWINGS FOR RETAINING WALL SUBSOIL DETAIL.
 11. APPROVAL FROM ENDEAVOUR ENERGY MUST BE OBTAINED BEFORE CONSTRUCTING ANY PROPOSED CIVIL FEATURES WITHIN THE TRANSMISSION LINE EASEMENT, INCLUDING RETAINING WALLS, EARTHWORKS, RAINWATER TANKS, FENCING ETC.
 12. THE CIVIL DESIGN UTILISED TWO TOPOGRAPHICAL SURVEYS PROVIDED BY DCI, WHICH HAVE PRESENTED DISCREPANCIES THAT NEED TO BE ADDRESSED. TO ENSURE ACCURACY AND INTEGRITY IN THE CONSTRUCTION PROCESS, A CONSOLIDATED TOPOGRAPHICAL SURVEY IS REQUIRED TO RECONCILE THESE DIFFERENCES AND PROVIDE A PRECISE REPRESENTATION OF THE SITE CONDITIONS BY THE CONTRACTOR. THIS NEW SURVEY MUST COVER THE ENTIRE PROJECT AREA, PRIOR COMMENCING THE NEXT DESIGN.
 13. APPROVAL FROM ENDEAVOUR ENERGY MUST BE OBTAINED BEFORE CONSTRUCTING ANY PROPOSED WORKS WITHIN THE TRANSMISSION LINE EASEMENT, INCLUDING BUT NOT LIMITED TO RETAINING WALLS, EARTHWORKS, RAINWATER TANKS, FENCING, PAVEMENTS, ROAD FURNITURE AND THE LIKE.

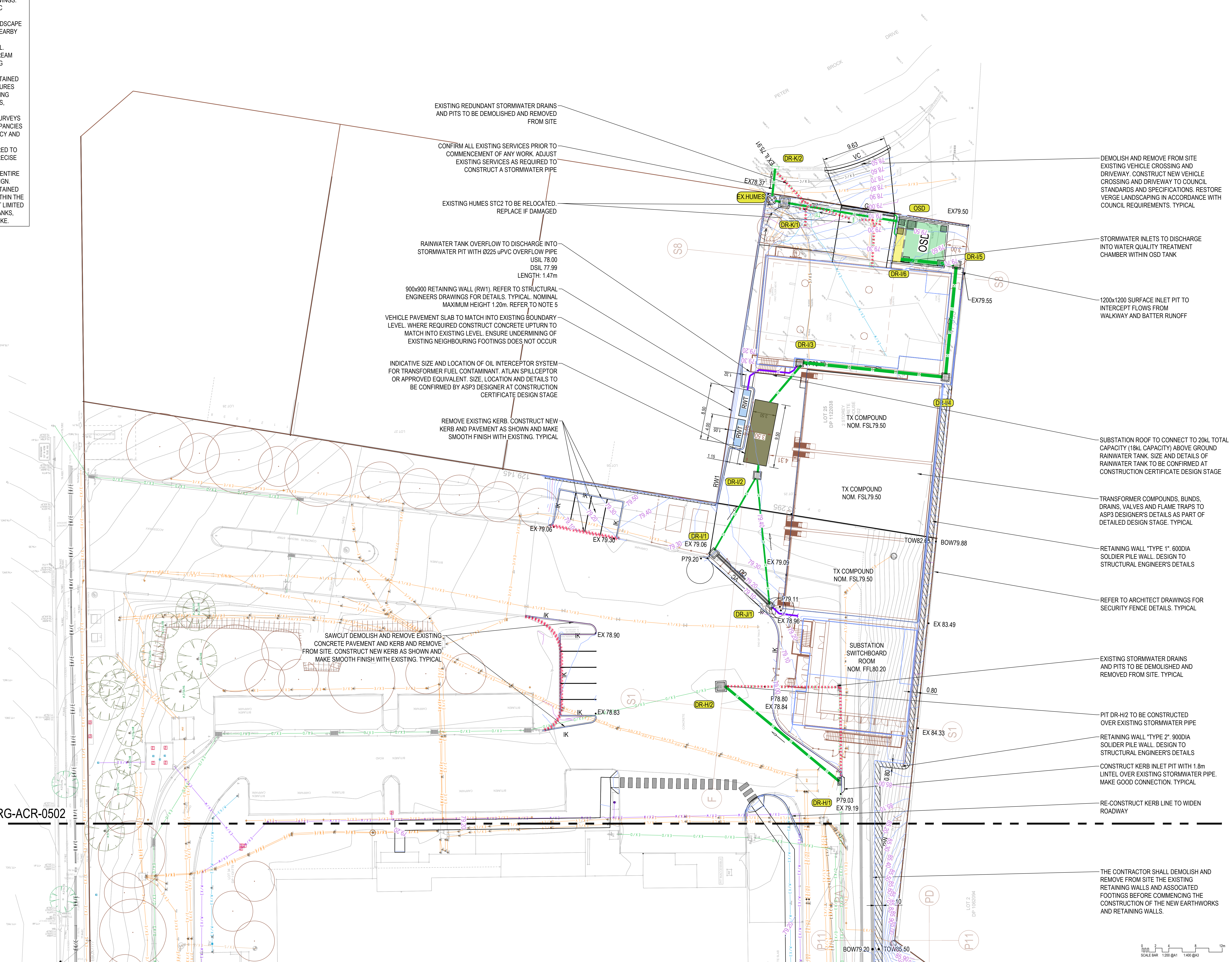
ADJOINS SHT-S02-CI-05-DRG-ACR-0503

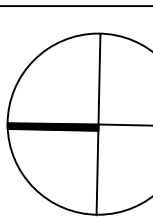
PETER BROCK DRIVE

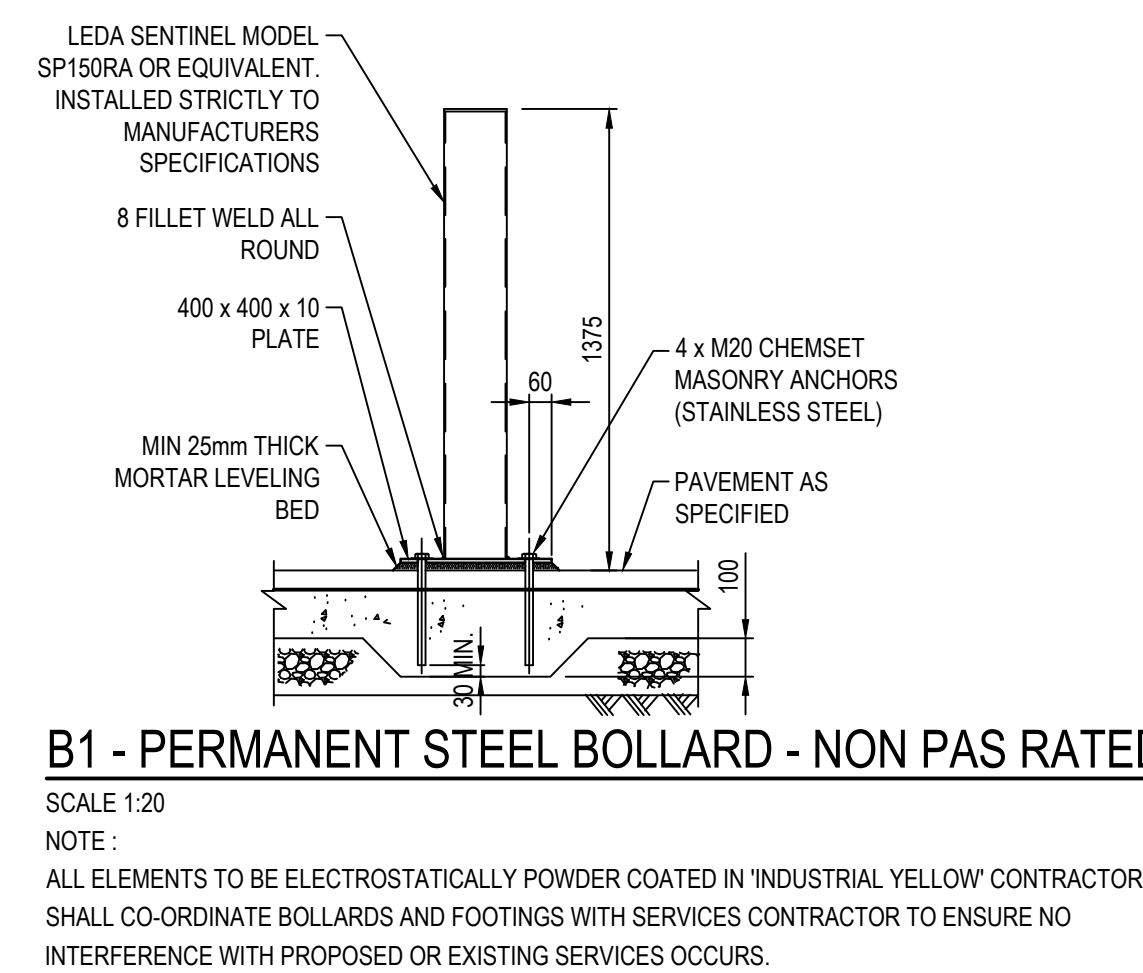
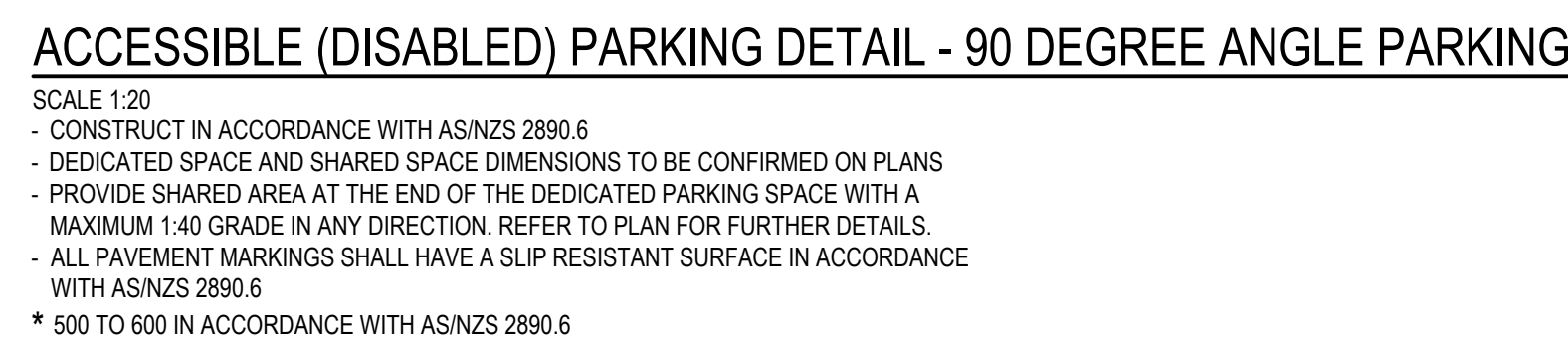
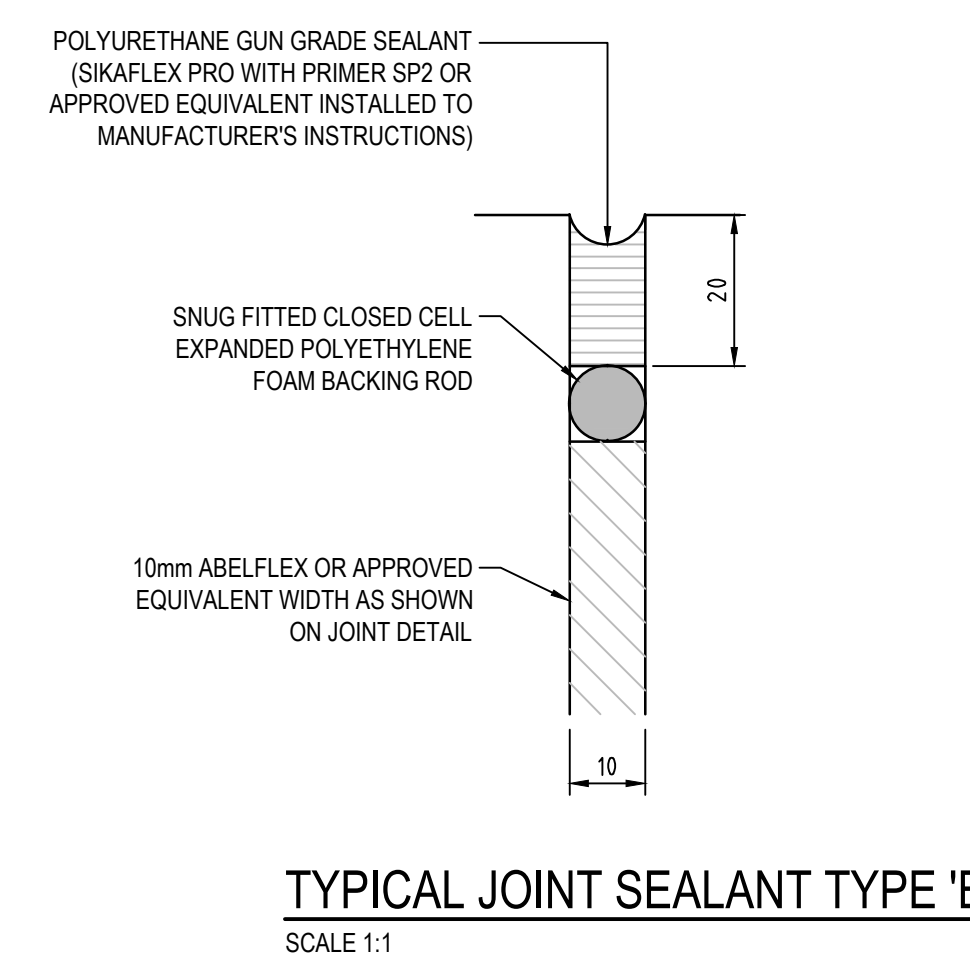
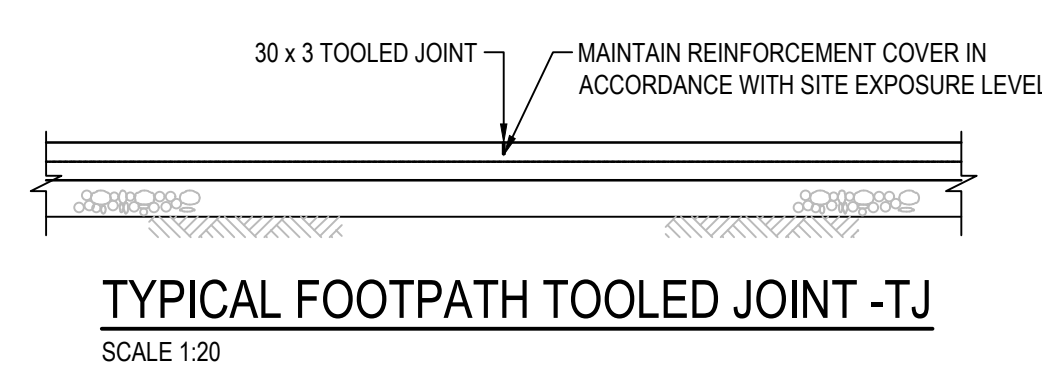
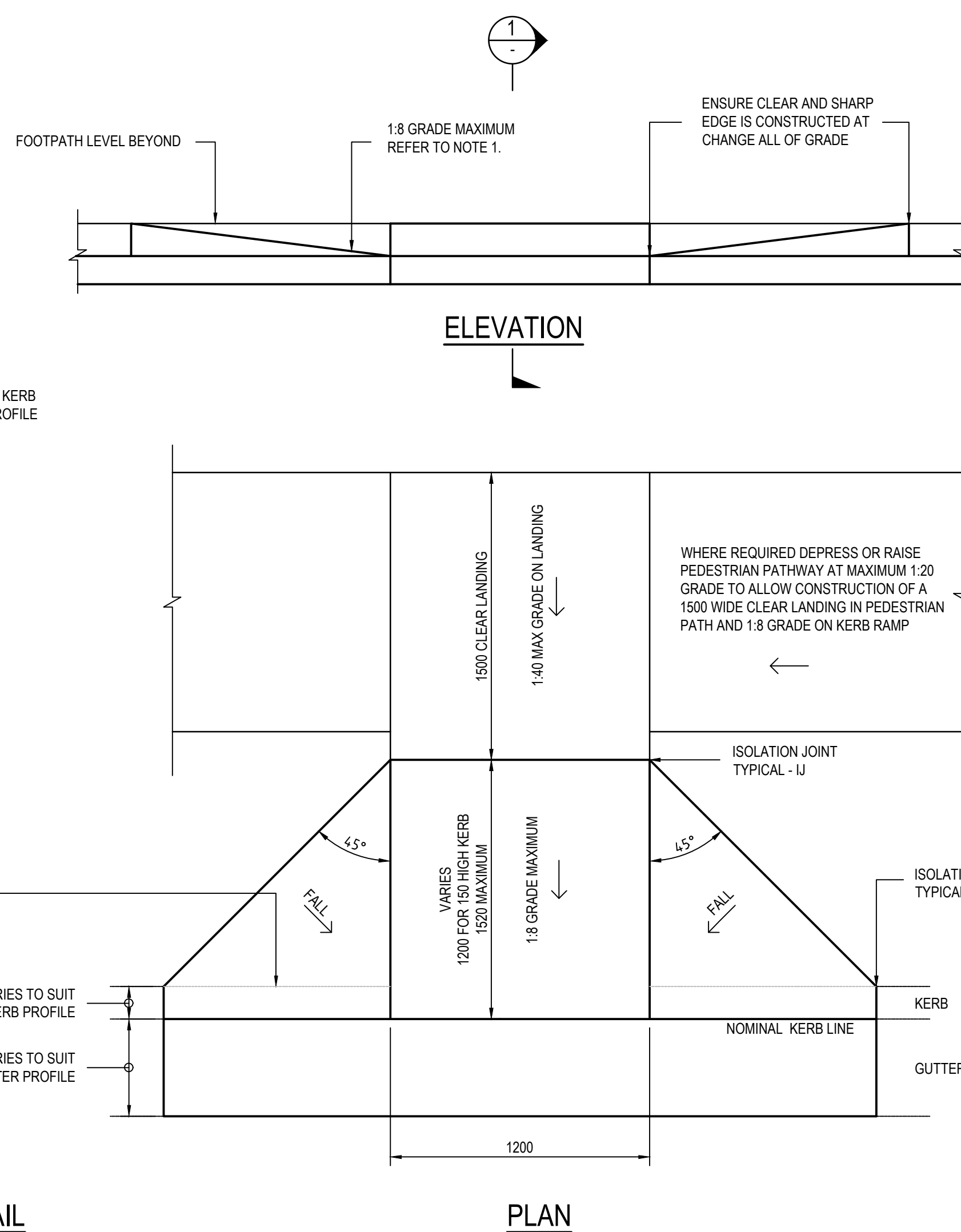
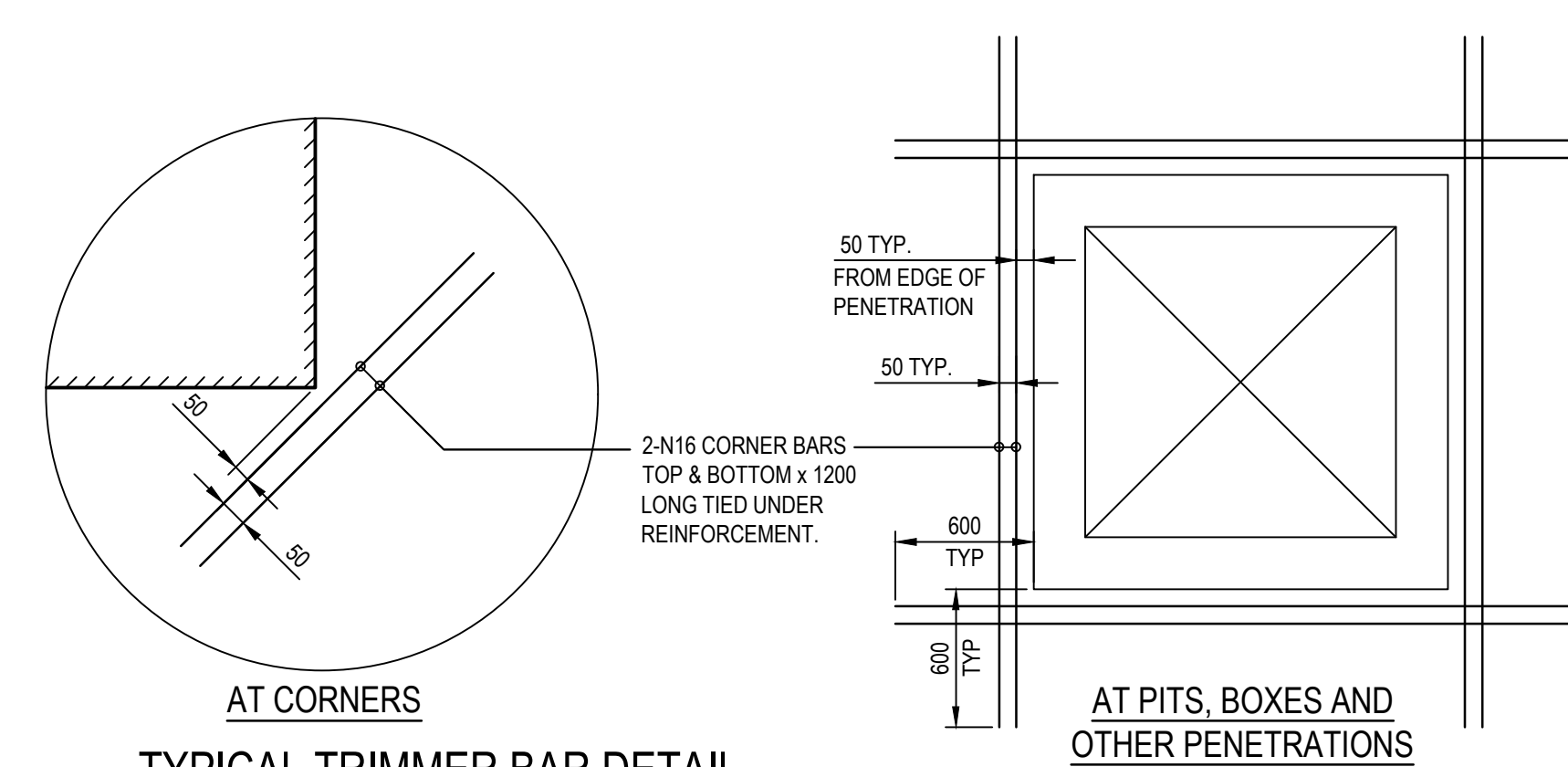
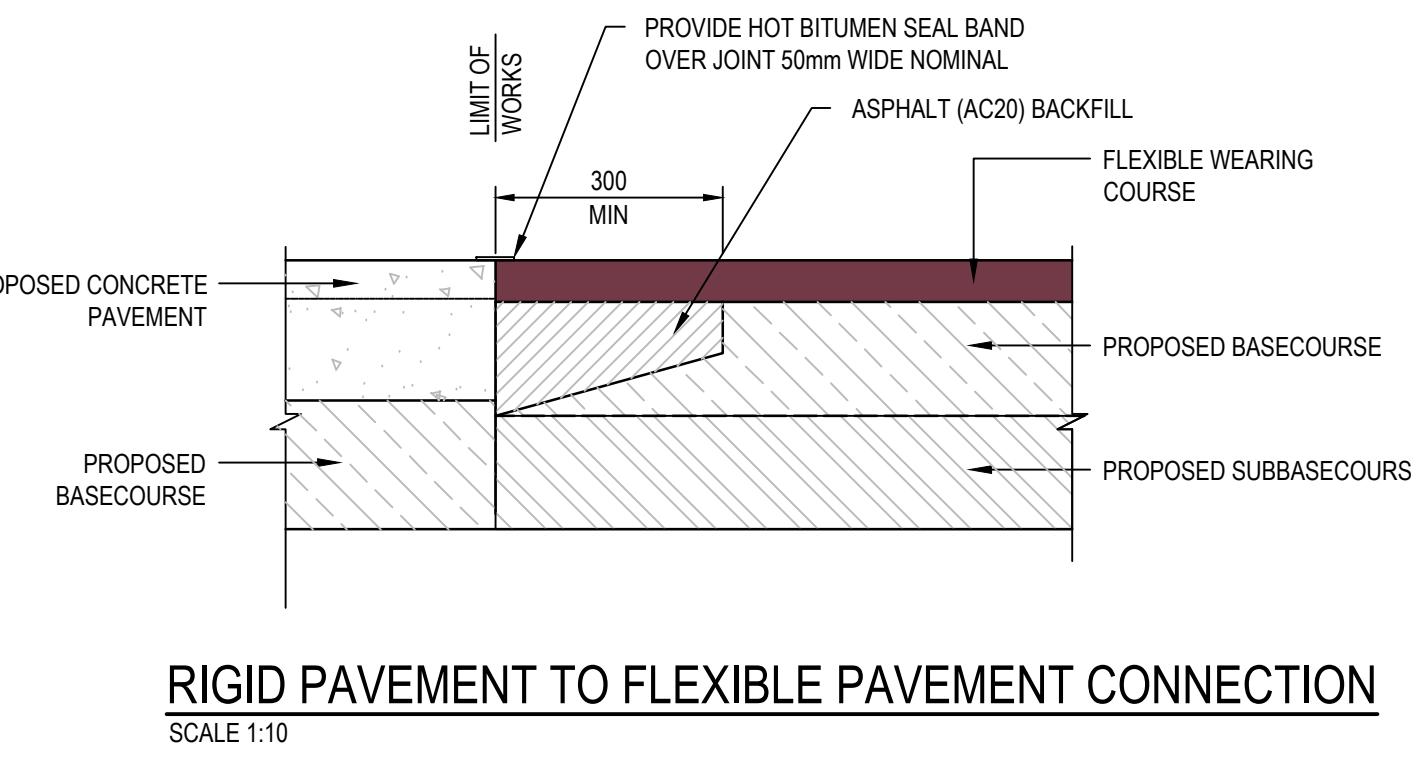
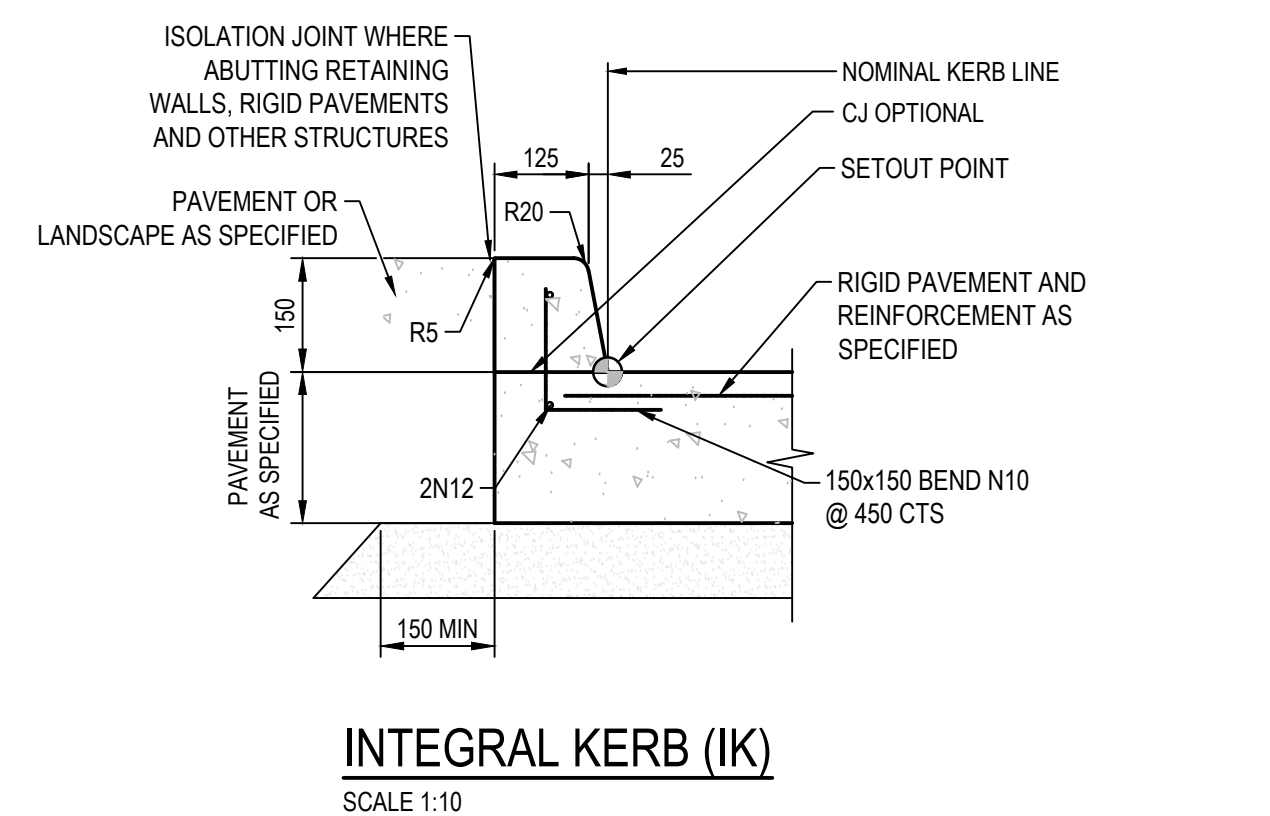
ADJOINS SHT-S02-CI-05-DRG-ACR-0501



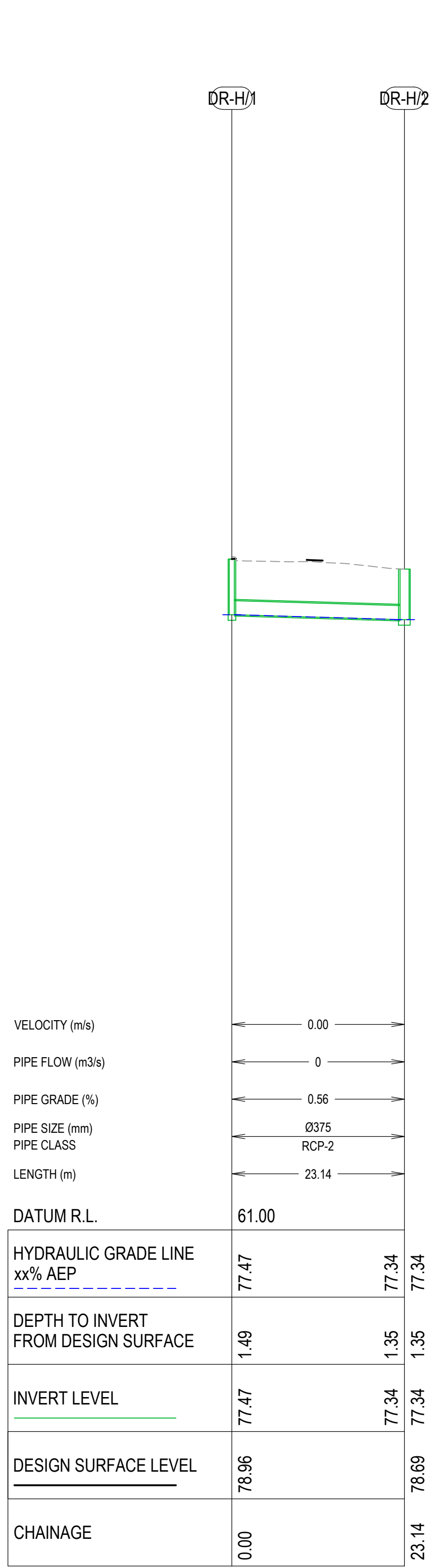
1. FOR LEGENDS AND GENERAL NOTES, REFER TO DRAWING SERIES CI-0000.
2. EXISTING TREE TO BE RETAINED AND REMOVED TO BE CONFIRMED BY ARBORIST.
3. FOR SITE FENCING & GATE DETAILS, REFER TO ARCHITECTURAL DRAWINGS
4. FOR SITEWORKS AND STORMWATER PLANS, REFER TO DRAWING SERIES CI-0500.
5. FOR RETAINING WALL DETAILS, REFER TO STRUCTURAL DRAWINGS.
6. ALL EXISTING DRAINAGE PITS AND PIPES WITHIN SITE TO BE RETAINED UNLESS NOTED OTHERWISE.
7. SITEWORKS AND STORMWATER PLAN TO BE READ IN CONJUNCTION WITH HYDRAULIC ENGINEERING DRAWINGS.
8. FOR ROOF DRAINAGE DETAILS, REFER TO HYDRAULIC ENGINEERING DRAWINGS.
9. FOR GABION SUBSOIL DRAINAGE, REFER TO LANDSCAPE DRAWINGS. LANDSCAPE SUBSOIL TO CONNECT TO NEARBY DOWNSTREAM DRAINAGE PIT.
10. INSTALL SUBSOIL DRAINAGE BEHIND RETAINING WALL. CONNECT SUBSOIL DRAINAGE TO NEARBY DOWNSTREAM DRAINAGE PIT. REFER TO STRUCTURAL ENGINEERING DRAWINGS FOR RETAINING WALL SUBSOIL DETAIL.
11. APPROVAL FROM ENDEAVOUR ENERGY MUST BE OBTAINED BEFORE CONSTRUCTING ANY PROPOSED CIVIL FEATURES WITHIN THE TRANSMISSION LINE EASEMENT, INCLUDING RETAINING WALLS, EARTHWORKS, RAINWATER TANKS, FENCING ETC.
12. THE CIVIL DESIGN UTILISES TWO TOPOGRAPHICAL SURVEYS PROVIDED BY DCI. WHICH HAVE PRESENTED DISCREPANCIES THAT NEED TO BE ADDRESSED. TO ENSURE ACCURACY AND INTEGRITY IN THE CONSTRUCTION PROCESS. A CONSOLIDATED TOPOGRAPHICAL SURVEY IS REQUIRED TO RECONCILE THESE DIFFERENCES AND PROVIDE A PRECISE REPRESENTATION OF THE SITE CONDITIONS BY THE CONTRACTOR. THIS NEW SURVEY MUST COVER THE ENTIRE PROJECT AREA, PRIOR COMMENCING THE NEXT DESIGN.
13. APPROVAL FROM ENDEAVOUR ENERGY MUST BE OBTAINED BEFORE CONSTRUCTING ANY PROPOSED WORKS WITHIN THE TRANSMISSION LINE EASEMENT, INCLUDING BUT NOT LIMITED TO RETAINING WALLS, EARTHWORKS, RAINWATER TANKS, FENCING, PAVEMENTS, ROAD FURNITURE AND THE LIKE.



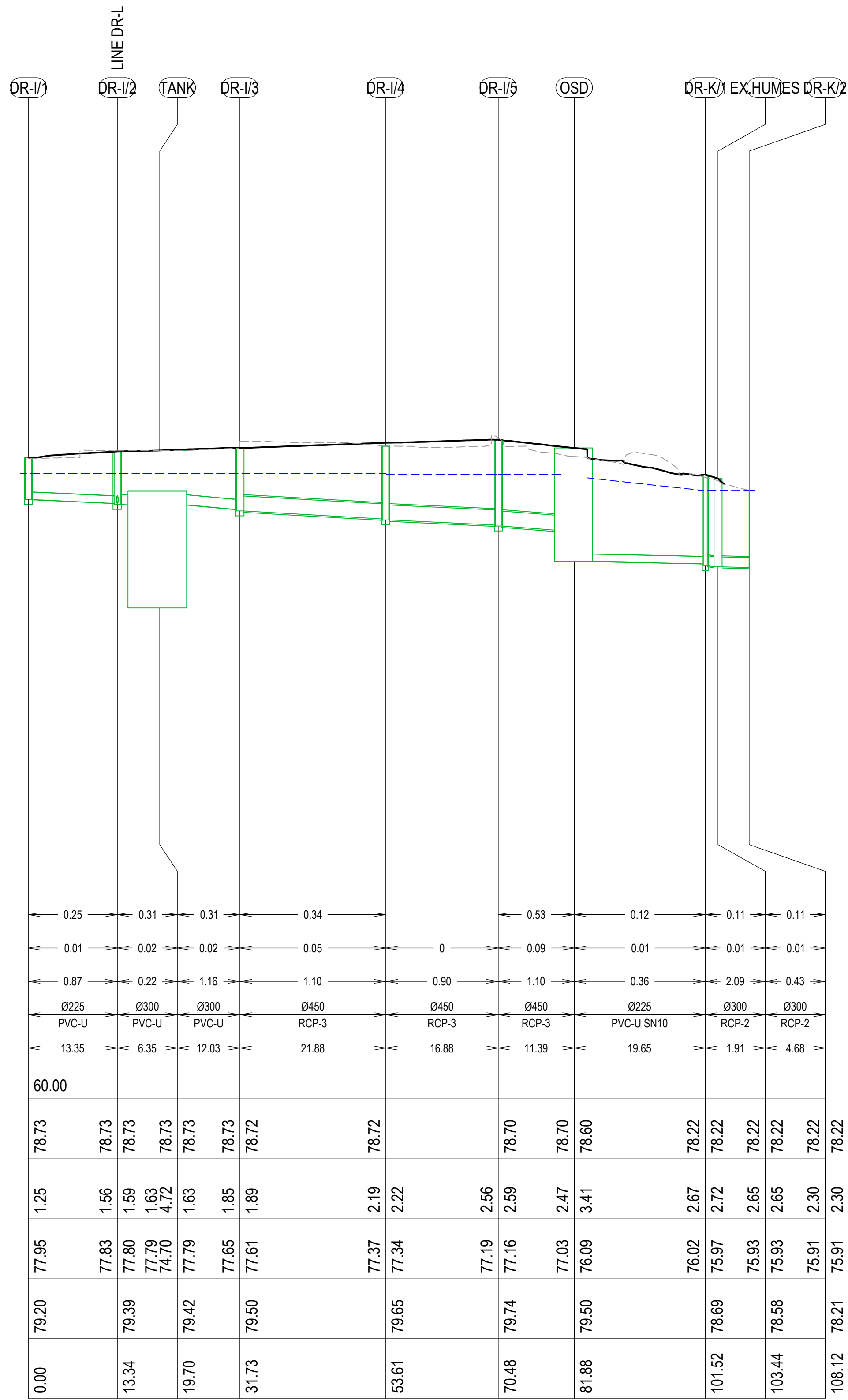
amendments					
no.	date	amendment	by	verified	
01	20/04/26	SSDA MODIFICATION 2 ISSUE	RG	MG	
					
048  ACOR Consultants Pty Ltd www.acor.com.au   					
structural  www.ttwengineers.com					
architect  planning, urban design, architecture, landscape architecture, interior design p: po box 5036 west chatswood nsw 1515 t: (02) 9966 6000 w: www.dem.com.au					
services  LCI CONSULTANTS (AUSTRALIA) PTY LTD LEVEL 5, 73 MILLER STREET, NORTH SYDNEY, NSW, 2060 ABN: 92 124 107 973					
client 					
project DCI SYD02 90 Peter Brock Drive, Eastern Creek, NSW					
drawing title CIVIL SERVICES SITeworks AND STORMWATER PLAN SHEET 3					
original scale drawn project no. a0 1:200 RP NA241460					
drawing no. rev no. S02-CI-05-DRG-ACR-0503 01					



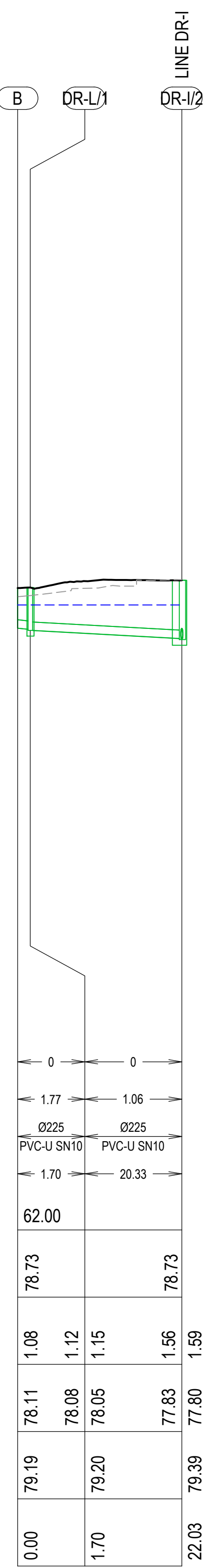
amendments					
no.	date	amendment	by	verified	
01	20.04.28	SSDA MODIFICATION 2 ISSUE	RG	MG	
046  ACOR Consultants Pty Ltd www.acor.com.au  structural  www.ttwengineers.com architect  planning, urban design, architecture, landscape architecture, interior design p o po box 5036 west chatswood nsw 1515 t: (02) 8966 6000 w www.dem.com.au dem services  LEVEL 5, 73 MILLER STREET, NORTH SYDNEY, NSW, 2060 ABN: 92 124 107 973 client  project DCI SYD02 Peter Brock Drive, Eastern Creek, NSW drawing title CIVIL SERVICES SITEWORKS TYPICAL DETAILS original scale drawn project no. a0 NTS RP NA241460 drawing no. rev no. S02-CI-05-DRG-ACR-065101					



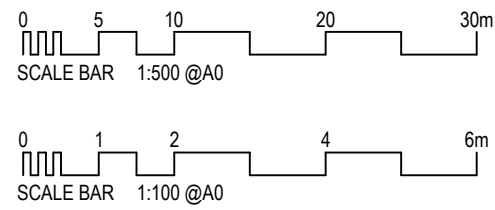
LINE DR-H



LINE DR-I



LINE DR-L



amendments		by	verified
no	date	amendment	
01	20.04.26	SSDA MODIFICATION 2 ISSUE	RG MG

ACOR CONSULTANTS
www.acor.com.au

TTW
www.ttwengineers.com

dem

LCI CONSULTANTS
(AUSTRALIA) PTY LTD
LEVEL 5, 73 MILLER STREET,
NORTH SYDNEY, NSW, 2060
ABN: 92 124 107 973

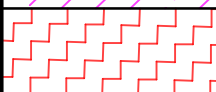
project:
DCI SYD02
90 Peter Brock Drive, Eastern Creek, NSW

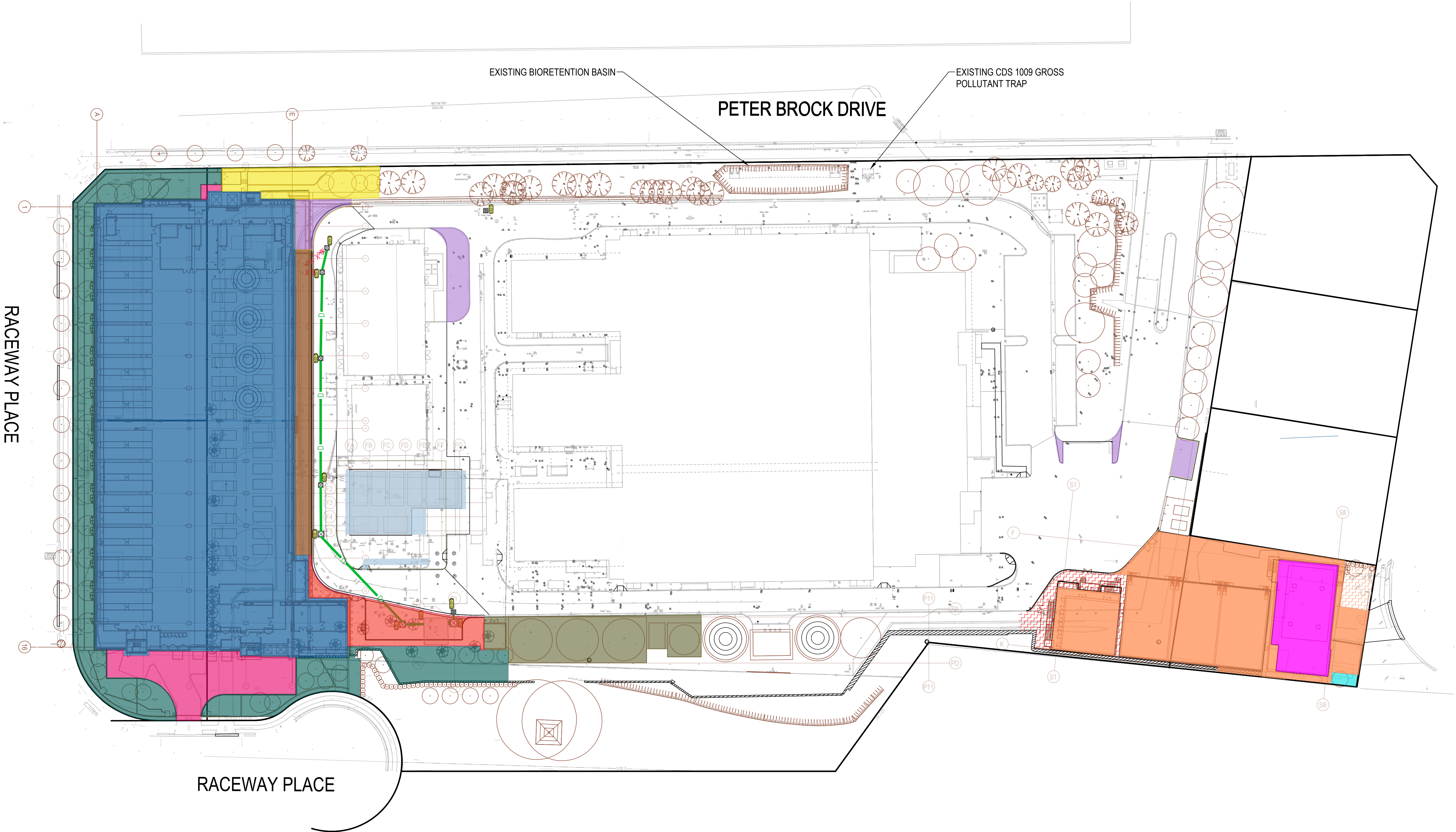
drawing title:
CIVIL SERVICES
STORMWATER DRAINAGE
LONGSECTIONS - SHEET 2

original	scale	drawn	project no.
a0	AS SHOWN	RP	NA241460
drawing no.			rev no.
S02-CI-05-DRG-ACR-0802			01

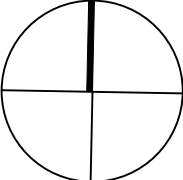
PIT SCHEDULE													
Pit Name	TYPE	EASTING	NORTHING	INTERNAL WIDTH	INTERNAL LENGTH	INLET DIA	INV LEV	OUTLET DIA	INV LEV	PIT SETOUT RL	DEPTH	REMARKS	
DR-A/1	Surface Inlet Pit 900 x 900	304229.167	6257379.654	0.9	0.9			225	71.15	72.301	1.151		
DR-A/2	Surface Inlet Pit 900 x 900	304218.84	6257379.518	0.9	0.9	225	71.03	300	71	72.16	1.16		
DR-A/3	Surface Inlet Pit 900 x 900	304201.686	6257386.341	0.9	0.9	300	70.8	450	70.5	71.753	1.253		
DR-A/4	Surface Inlet Pit 900 x 900	304196.91	6257399.372	0.9	0.9	450	70.13	525	70.1	71.5	1.4		
DR-A/5	Surface Inlet Pit 900 x 900	304196.17	6257437.72	0.9	0.9	525	69.58	525	69.55	71.167	1.617		
DR-A/6	Surface Inlet Pit 900 x 900	304195.429	6257476.116	0.9	0.9	525	69.13	525	69.1	70.843	1.743		
DR-A/7	Surface Inlet Pit 900 x 900	304194.866	6257505.286	0.9	0.9	525	68.765	525	68.735	70.605	1.87		
DR-A/8	Surface Inlet Pit 900 x 900	304200.405	6257511.962	0.9	0.9	525	68.645	525	68.615	70.175	1.56		
FILTER PIT 1	DETENTION TANK	304204.445	6257512.63	2	5	525	68.52			70.181	1.961		
DR-B/1	Surface Inlet Pit 900 x 900	304221.261	6257513.285	0.9	0.9			225	69.75	70.983	1.233		
FILTER PIT 2	DETENTION TANK	304204.445	6257512.63	2	5	225	69.35			70.181	1.961		
DR-C/1	PIPE CONNECTION - NO STRUCTURE	304221.317	6257377.979	0	0			150	71.03	72.166	1.137		
RWT	DETENTION TANK	304208.318	6257389.459	6	9			450	70.809	72.449	1.641		
FILTER PIT 1	DETENTION TANK	304204.445	6257512.63	2	5			450	68.22	70.181	1.961		
DR-F/1	PIPE CONNECTION - NO STRUCTURE	304202.356	6257519.496	0	0	450	67.99			69.91	1.92		
DR-G/1	Surface Inlet Pit 600 x 900	304253.731	6257441.761	0.9	0.6			225	77.9	78.79	0.89		
DR-G/2	Surface Inlet Pit 600 x 600	304253.367	6257460.608	0.6	0.6	225	77.78	225	77.75	78.79	1.04		
DR-G/3	Surface Inlet Pit 600 x 900	304253.075	6257475.755	0.9	0.6	225	77.65	225	77.62	78.79	1.17		
DR-G/4	Surface Inlet Pit 600 x 900	304252.66	6257497.255	0.9	0.6	225	77.5			78.78	1.28		
DR-H/1	KIP - 1.8m	304432.345	6257409.291	0.68	0.9			375	77.47	78.961	1.491		
DR-H/2	Surface Inlet Pit 1200 x 1200	304446.165	6257427.564	1.2	1.2	375	77.34			78.695	1.355		
DR-I/1	Surface Inlet Pit 900 x 900	304466.073	6257429.007	0.9	0.9			225	77.95	79.2	1.25		
DR-I/2	Surface Inlet Pit 900 x 900	304477.815	6257422.727	0.9	0.9	225	77.834	300	77.804	79.394	1.59		
DR-I/3	Surface Inlet Pit 900 x 900	304494.845	6257416.694	0.9	0.9	450	77.65	450	77.609	79.497	1.888		
DR-I/4	Surface Inlet Pit 900 x 900	304493.05	6257394.89	0.9	0.9	450	77.368	450	77.338	79.553	2.215		
DR-I/5	Surface Inlet Pit 900 x 900	304509.869	6257393.504	0.9	0.9	450	77.186	450	77.156	79.743	2.587		
DR-K/1	Surface Inlet Pit 1200 x 1200	304518.688	6257419.477	1.2	1.2	300	76.021	300	75.97	78.616	2.646		
DR - J-1	Surface Inlet Pit 600 x 600	304458.376	6257420.321	0.6	0.6	225	78.08	225	78.05	79.2	1.15		
EX HUMES	HumeGard STC2	304519.054	6257421.355	0	0	300	75.929	300	75.929	78.519	2.59		
DR-K/2	HumeGard STC2	304519.054	6257421.355	0	0	300	75.929	300	75.929	78.519	2.59		
NOTE:													
1. xy setout to pit centre													
2. setout level to pit cover level													

[illegible]

	CATCHMENT	AREA (m ²)	IMPERVIOUS %
	SYD02 ROOF	5910	100%
	TRAFFICABLE MESH OVER VOID	308	100%
	LANDSCAPING - SYD02 WEST	1687	0%
	SOUTHERN DRIVEWAY & FOOTPATH	488	100%
	LANDSCAPING & FOOTPATH	283	5%
	NORTHERN HARDSTAND AND CARPARK SPACES	306	92%
	SOUTHERN CARPARK	360	100%
	FUEL TANKS HARDSTAND	441	100%
	COOLING WATER TANKS HARDSTANDS	585	100%
	SUBSTATION ROOF 1 (TO RAINWATER TANK)	401	100%
	SUBSTATION ROOF 2	263	100%
	SUBSTATION HARDSTAND 01	192	100%
	SUBSTATION HARDSTAND 02	1580	100%
	SUBSTATION LANDSCAPING	20	0%
	SUBSTATION BYPASS	86	10%



amendments		by	verified
no.	issue	amendment	
01	20.04.26	SSDA MODIFICATION 2 ISSUE	RG MG



ACOR Consultants Pty Ltd
www.acor.com.au



www.thewgreens.com



planning, urban design, architecture,
landscape architecture, interior design

po box 5036 west chatswood nsw 1515
t: (02) 8966 6000
w: www.dem.com.au



LCI CONSULTANTS
(AUSTRALIA) PTY LTD

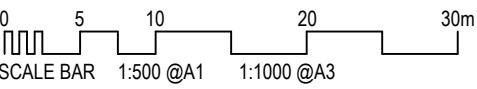
LEVEL 5, 73 MILLER STREET,
NORTH SYDNEY, NSW, 2060
ABN: 92 124 107 973



project:
DCI SYD02
90 Peter Brock Drive, Eastern Creek, NSW

drawing title:
CIVIL SERVICES
STORMWATER DRAINAGE
QUALITY CATCHMENT PLAN

original	scale	drawn	project no.
a0	1:500	RP	NA241460
drawing no.			rev no.
S02-CI-05-DRG-ACR-0841			01



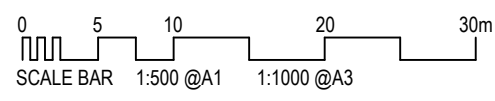
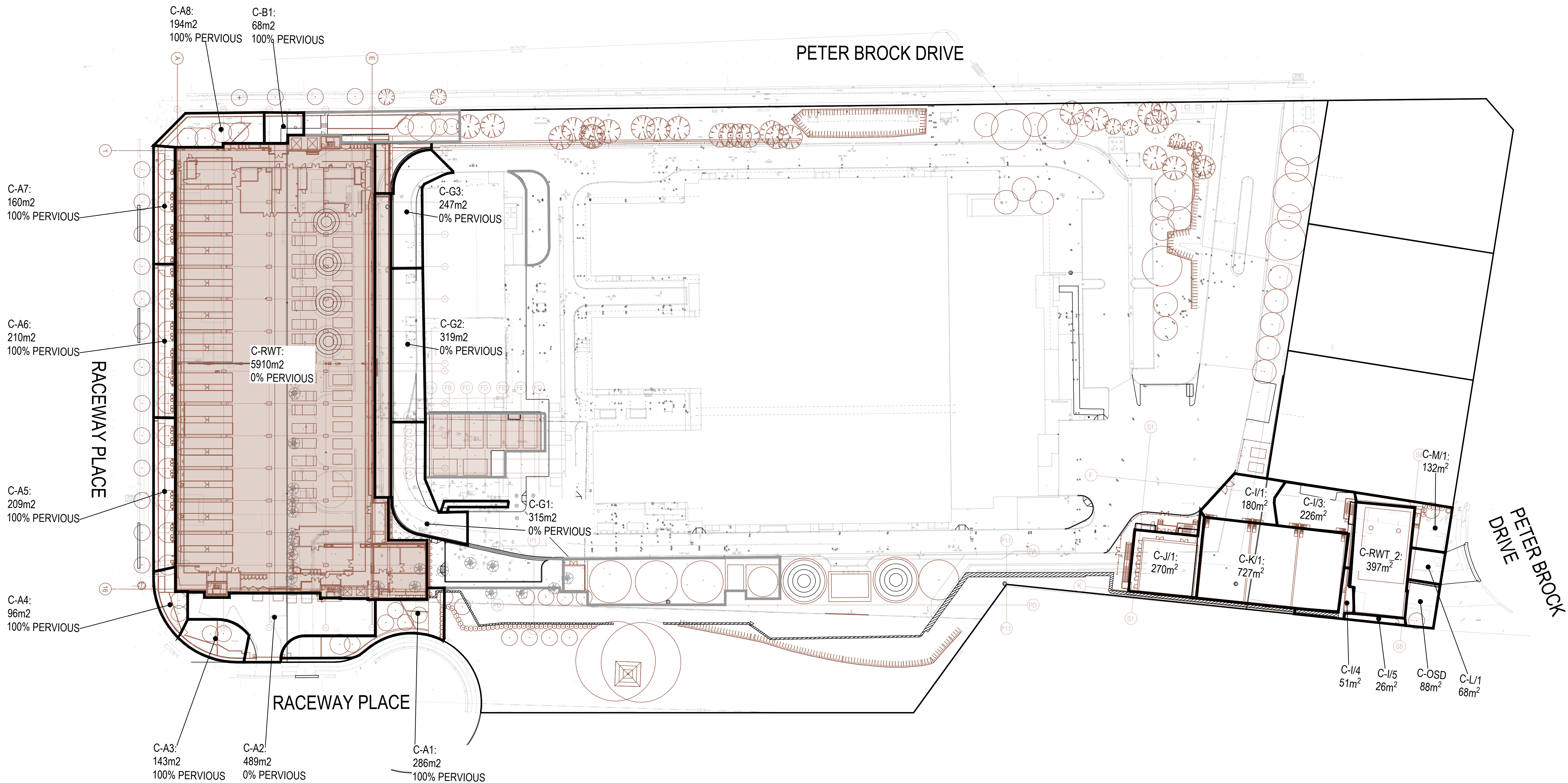
0 5 10 20 30m
SCALE BAR 1:500 @A1 1:1000 @A3

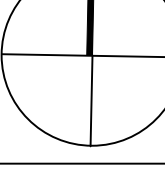
NOTES:

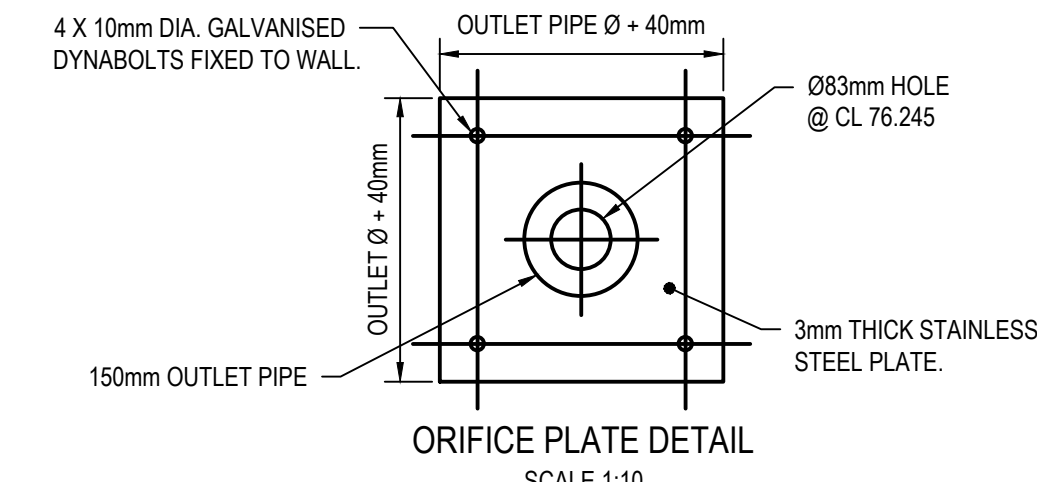
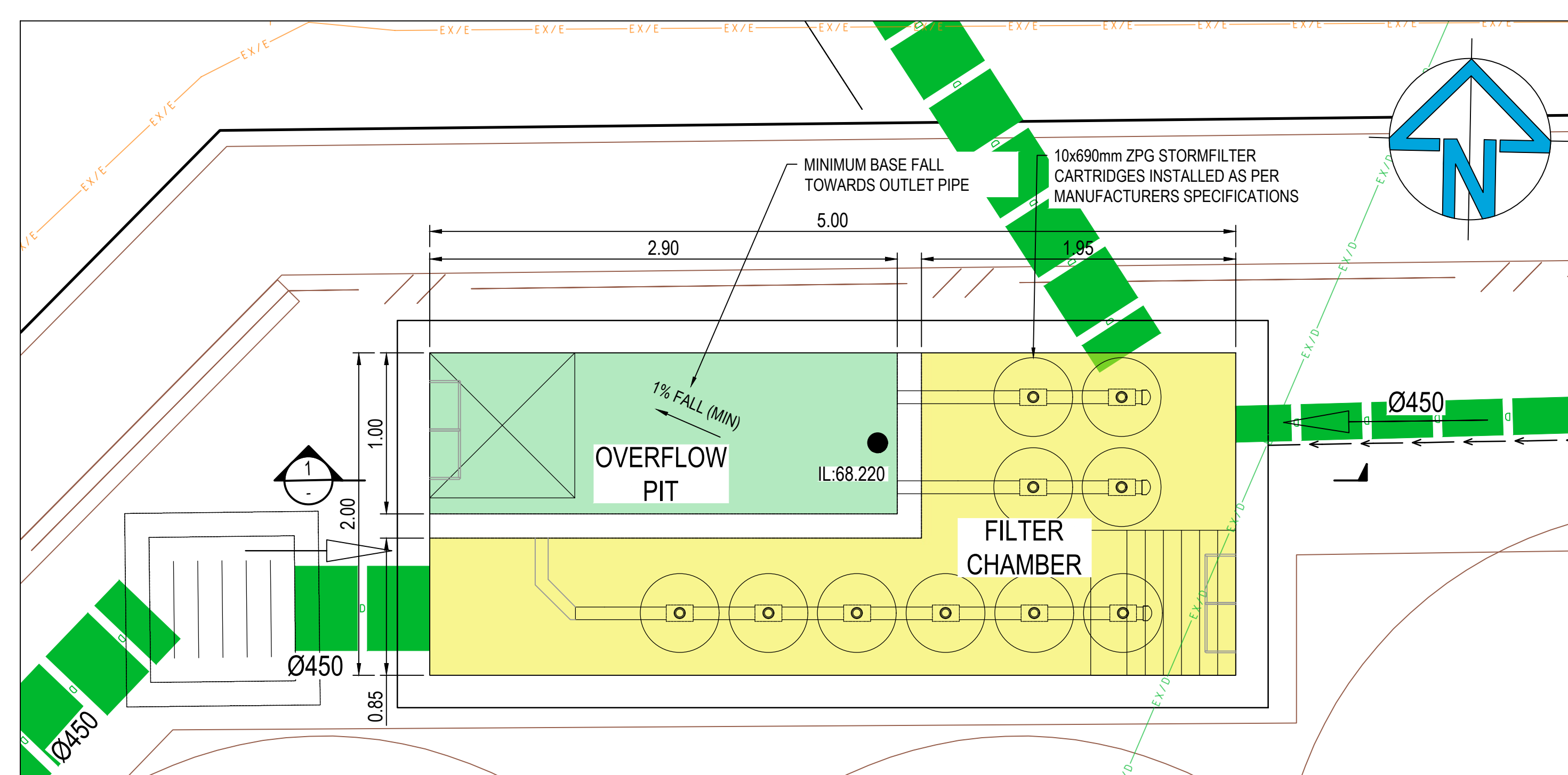
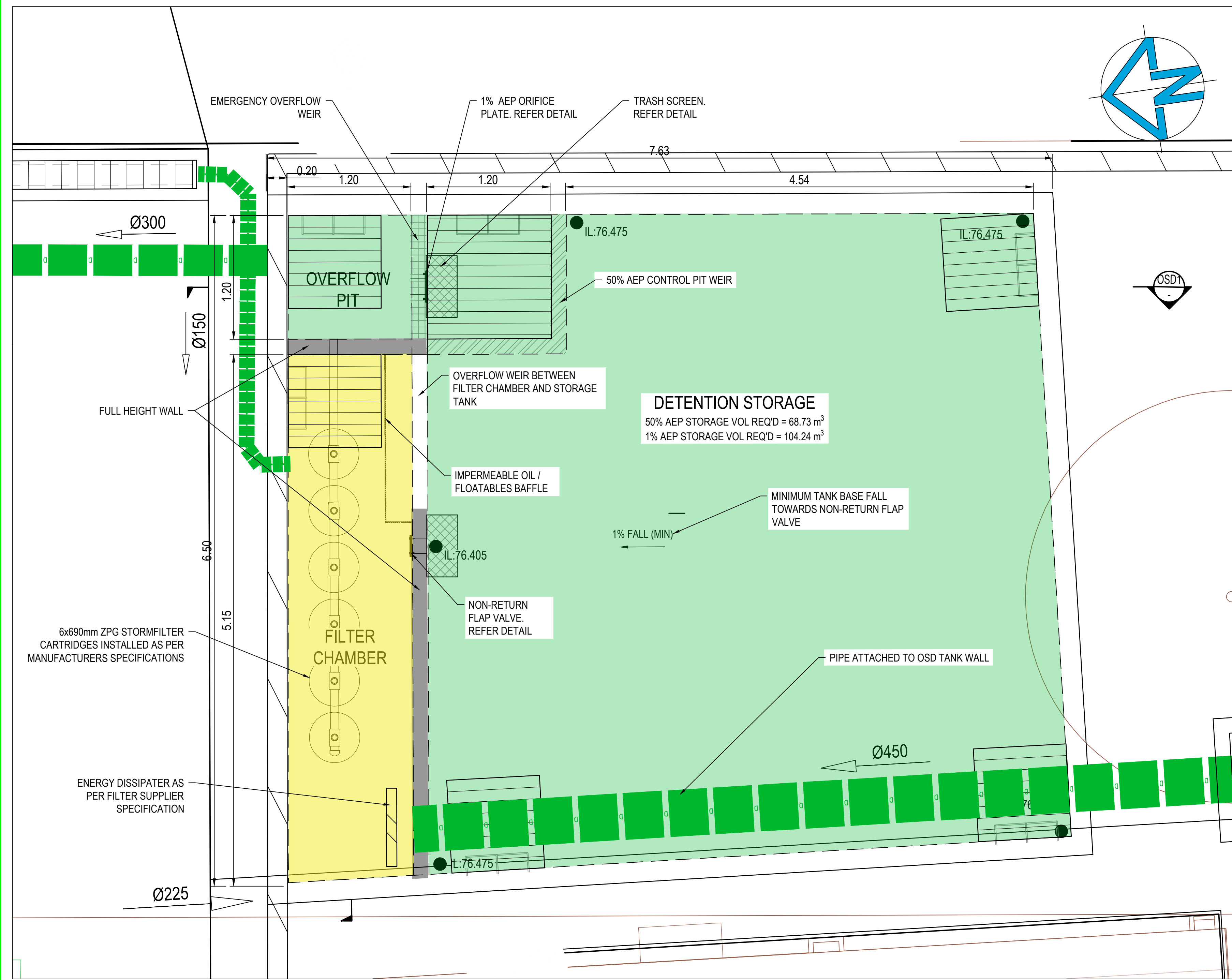
1. CATCHMENT AREAS HAVE ONLY BEEN CALCULATED FOR HYDRAULIC ASSESSMENT OF THE PROPOSED STORMWATER SYSTEM. EXISTING CATCHMENTS SHOWN HAVE NOT BEEN LABELLED AND MODELLED AS THEY DRAIN TO THE EXISTING SITE STORMWATER NETWORK. CHANGES TO EXISTING CATCHMENT IMPERVIOUS PERCENTAGES IS NEGLIGIBLE AND HAS NO EFFECT ON THE SIZING AND OPERATION OF THE EXISTING STORMWATER SYSTEM.
2. SYD02 CONSULT TO DRAIN TO RAINWATER TANK. ROOF DRAINAGE AND DOWNPIPE CONFIGURATION BY HYDRAULIC CONSULTANT AS PART OF DETAILED DESIGN.

LEGEND

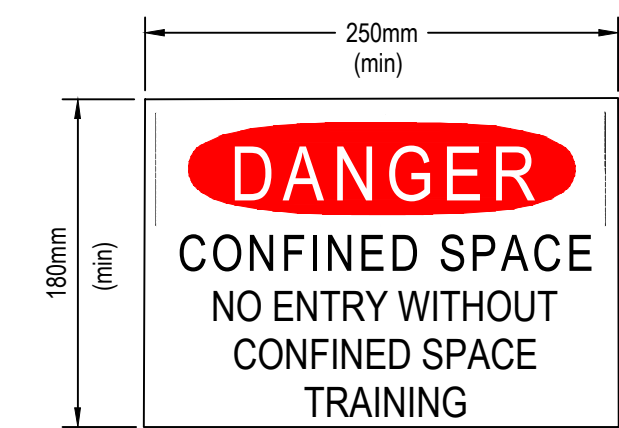
C-A1	CATCHMENT DRAINING TO PROPOSED NEW STORMWATER SYSTEM
	CATCHMENT EXTENT OF RE-DEVELOPMENT WORKS DRAINING TO EXISTING STORMWATER SYSTEM



revisions					
no.	issue	amendment	by	verified	
01	20.04.26	SSDA MODIFICATION 2 ISSUE	RG	NG	
					
civil					
		ACOR Consultants Pty Ltd www.acor.com.au			
					
structural					
					
architect					
					
planning, urban design, architecture, landscape architecture, interior design					
p: po box 5036 west chatswood nsw 1515 t: (02) 8966 6000 www.dem.com.au					
services					
					
LCI CONSULTANTS (AUSTRALIA) PTY LTD		LEVEL 5, 73 MILLER STREET, NORTH SYDNEY NSW, 2060 ABN: 92 124 107 973			
client					
					
project					
DCI SYD02 90 Peter Brock Drive, Eastern Creek, NSW					
drawing title					
CIVIL SERVICES STORMWATER DRAINAGE DRAINS CATCHMENT PLAN					
original	scale	drawing	project no.		
a0	1:500	RP	NA241460		
drawing no.					rev no.
S02-CI-05-DRG-ACR-0842					01



- NOTES**
1. PLATE SIZE TO BE GREATER OF 300 x 300mm OR 3 x ORIFICE DIAMETER.
 2. PLATE THICKNESS TO BE MINIMUM 3mm, STAINLESS STEEL, GALV. OR ZINC COATED STEEL.
 3. PLATE FIXING BY CONSTRUCTION ADHESIVE TO PIT WALL IN ADDITIONAL TO 4 x Ø10mm STAINLESS STEEL OF EITHER VANDAL PROOF SHEAR-HEAD TYPE MASONRY ANCHORS OR ALTERNATIVELY CUP-HEAD BOLTS PERMANENTLY FIXED WITH THE USE OF 'CHEMSET' (OR EQUIV.) BONDING AGENT. HEXAGONAL-HEAD NUT/BOLT HARDWARE NOT ACCEPTED.



CONFINED SPACE DANGER SIGN

A CONFINED SPACE DANGER SIGN SHALL BE POSITIONED IN A LOCATION AT ALL ACCESS POINTS, SUCH THAT IT IS CLEARLY VISIBLE TO PERSONS PROPOSING TO ENTER THE BELOW GROUND TANK/S CONFINED SPACE.

COLOURS:

- DANGER AND BACKGROUND - WHITE
- ELLIPTICAL AREA - RED
- RECTANGLE CONTAINING ELLIPSE - BLACK
- OTHER LETTERING AND BORDER - BLACK

MINIMUM DIMENSIONS:

- 300mm x 450mm (LARGE ENTRIES, SUCH AS DOORS)
- 250mm x 180mm (SMALL ENTRIES SUCH AS GRATES & MANHOLES)

MATERIAL: COLOUR BONDED ALUMINIUM OR POLYPROPYLENE.
FIXING: USE SCREWS AT EACH CORNER AND/OR SUITABLE EPOXY GLUE/CEMENT.

- OSD NOTES:**
- A) APPLY TWO COATS WATER SEALANT TO FLOOR AND ALL WALLS.
 - B) ENSURE WATER TIGHT SEAL ALONG EDGES OF FLOOR, CEILING AND AROUND MOVEMENT JOINTS.
 - C) CONCRETE STRENGTH: 32MPa
 - D) MINIMUM COVER TO ALL REINFORCEMENT: 50mm
 - E) ALL REINFORCEMENT & STRUCTURAL DETAILING TO STRUCTURAL ENGINEER'S REQUIREMENTS.

THIS IS AN ON-SITE STORMWATER DETENTION SYSTEM

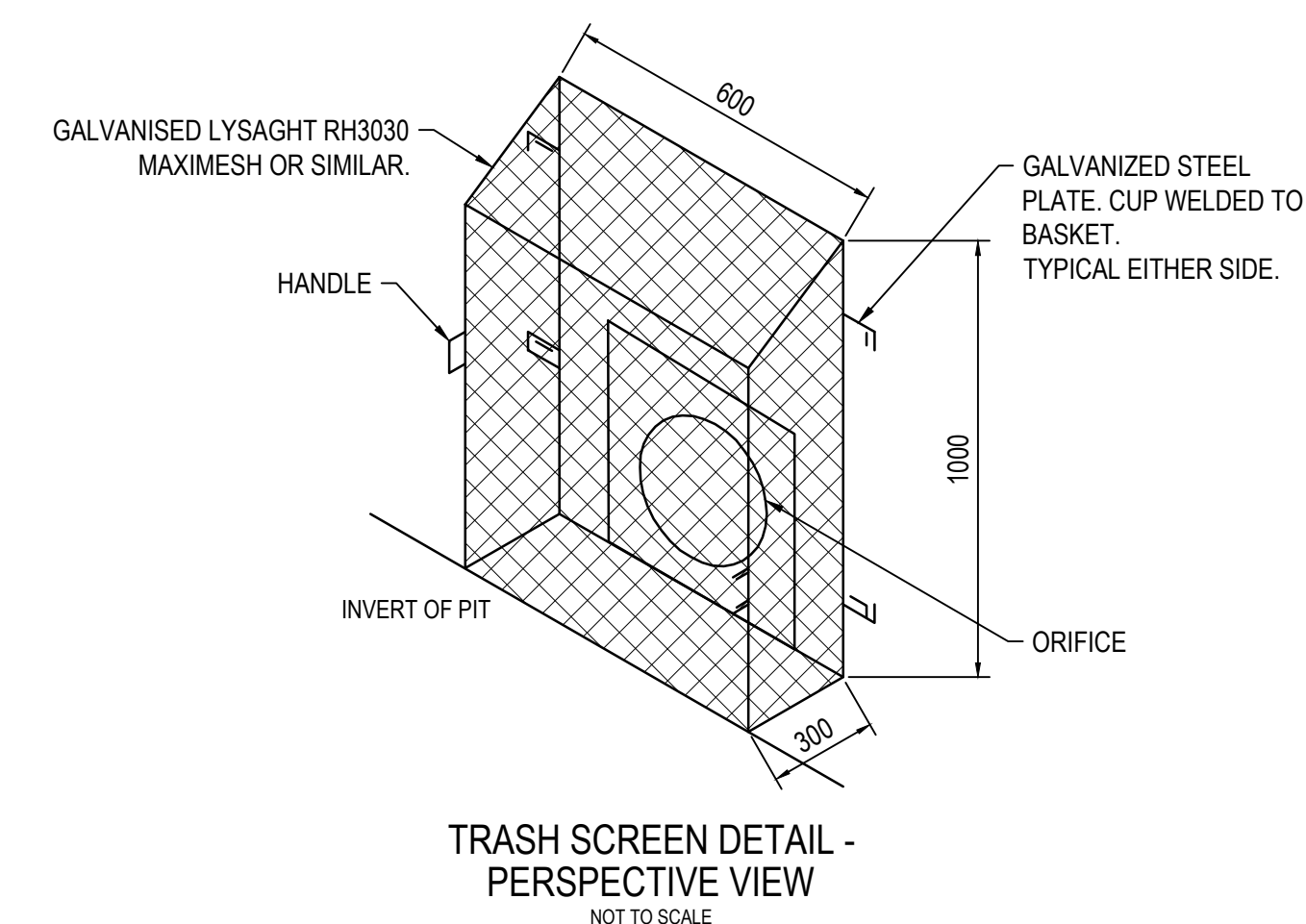
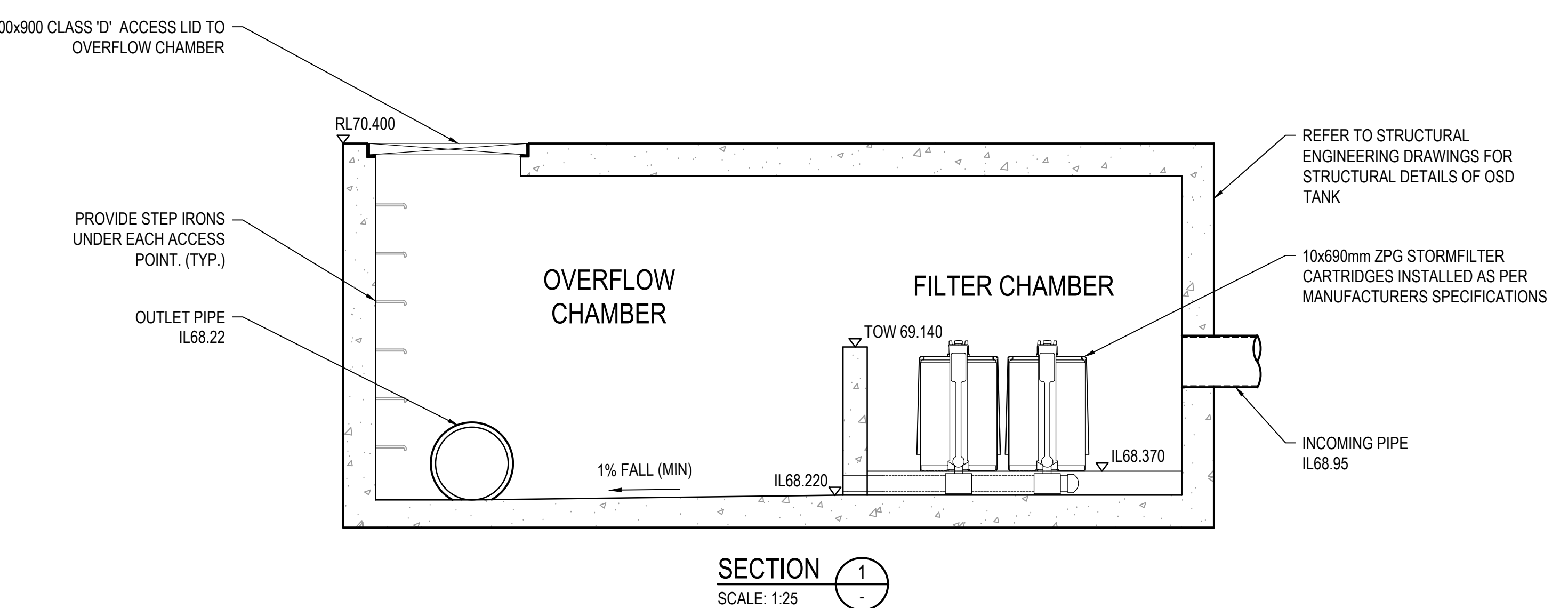
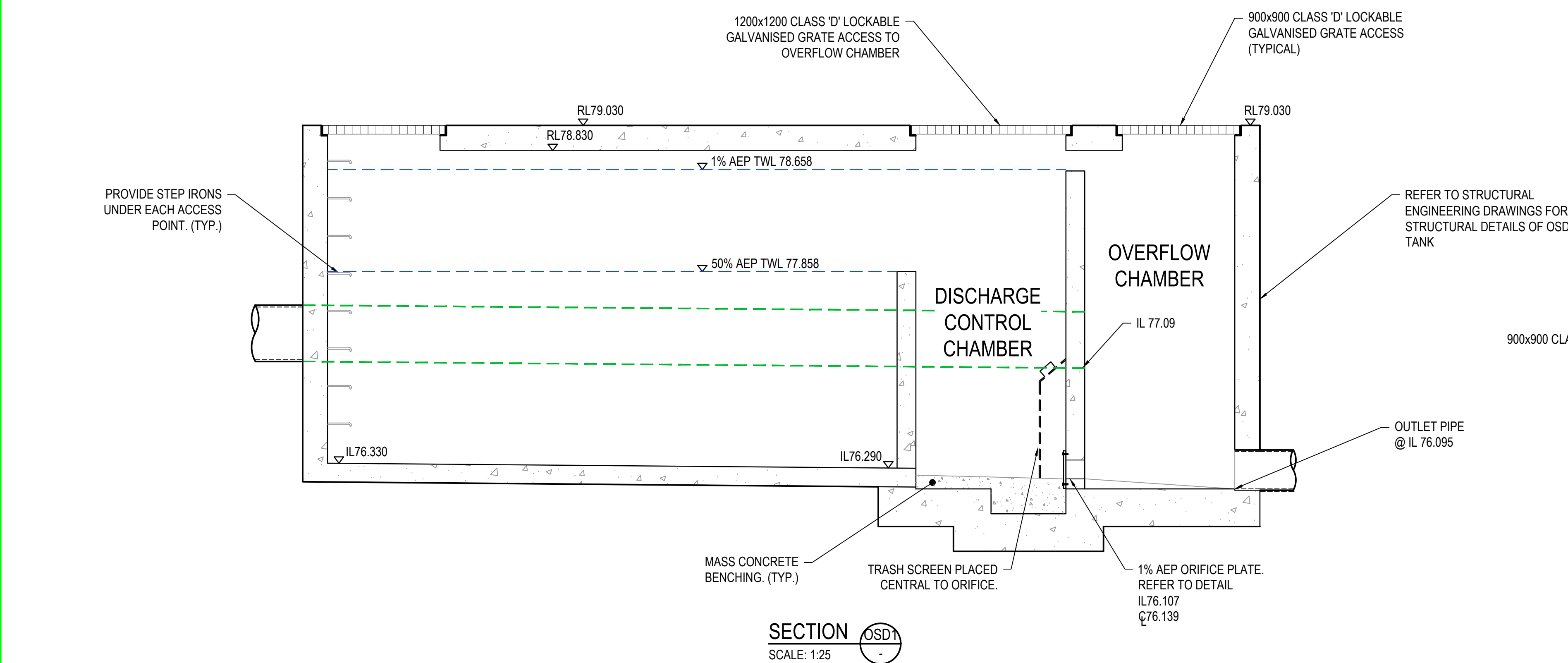
REQUIRED BY BLACKTOWN CITY COUNCIL

IT IS AN OFFENCE TO REDUCE THE VOLUME OF THE TANK OR BASIN OR TO INTERFERE WITH THE ORIFICE PLATE THAT CONTROLS THE OUTFLOW

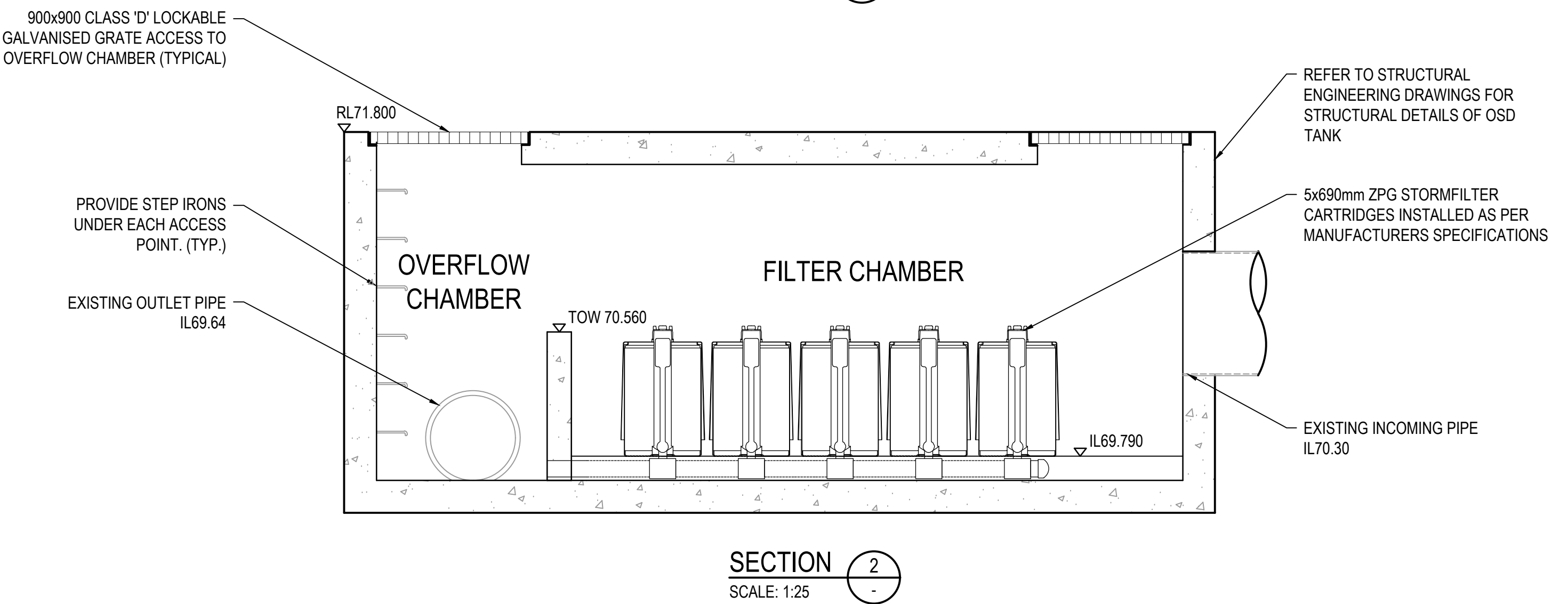
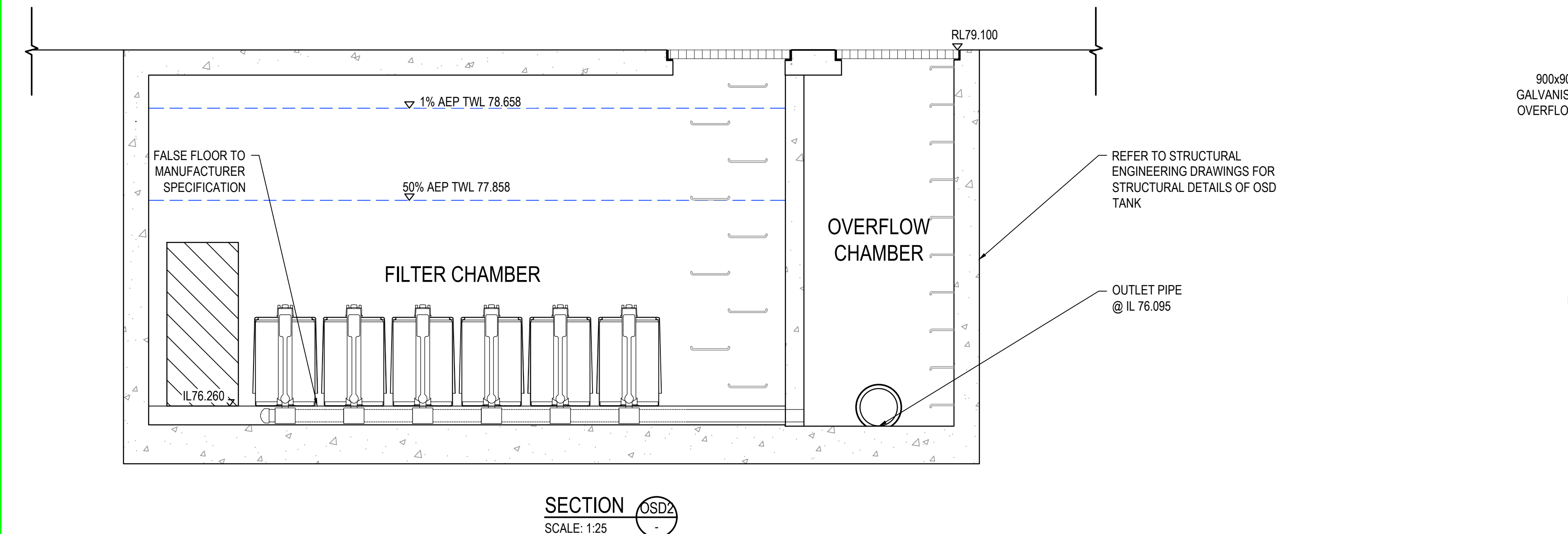
THE BASE OF THE OUTLET CONTROL PIT AND THE DEBRIS SCREEN MUST BE CLEANED OF DEBRIS AND SEDIMENT ON A REGULAR BASIS BY THE OWNER

THIS PLATE MUST NOT BE REMOVED

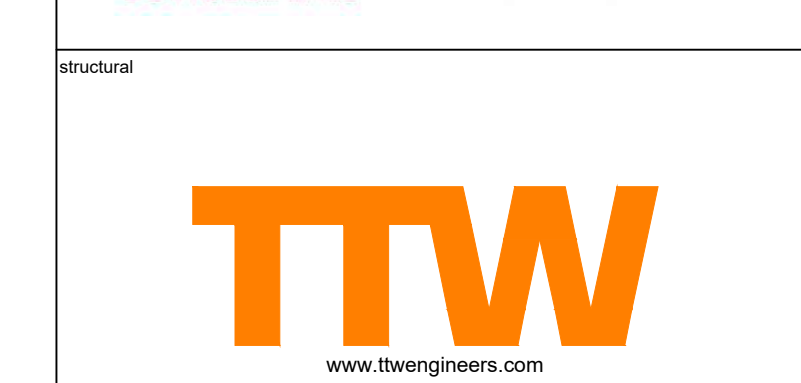
- OSD SIGN**
- SIGN** : 110mm x 80mm
CORNERS : SQUARE
COLOUR : ETCHED AND FILLED BLACK LEGEND ON NATURAL SILVER BACKGROUND
MATERIAL : ALUMINIUM 0.9mm MILL
LOCATION : FIXED TO THE TOP OF THE OUTLET CONTROL PIT



- NOTES**
1. MESH TO BE MAXIMESH RH3030 (OR EQUIV.) EXPANDED STEEL MESH GALV./ZINC COATED.
 2. MESH TO BE AFFIXED TO 40 x 40 x 5mm EQUAL ANGLE SECTION BY MIN. 2 x 10mm GALV./ZINC'S S NUT & BOLT. BOLT TO BE WELDED IN PLACE SO AS TO BE TRAINED ON ANGLE SECTION.
 3. EQUAL ANGLE SECTIONS TO BE MIN. LENGTH 300mm, FIXED TO PIT WALLS.
 4. MESH LENGTH (FOR ORIFICE SIZE EXCEEDING 105mm) DERIVED FROM MINIMUM 50 x ORIFICE AREA CALCULATION.
 5. PIT COVER TO BE HEAVY DUTY GRATED TYPE IF IN COMMON OR TRAFFICABLE AREA.
 6. PIT WALL AND BASE TO BE MIN. 125mm THICK F-28MPa CONCRETE.
 7. WHERE PIT IS WIDER THAN 600mm 40 x 40 x 5 EQUAL ANGLE TO BE WELDED ACROSS FULL WIDTH OF MESH.
 8. MESH PERFORATIONS TO BE ORIENTED WITH LONG DIMENSIONS TO THE HORIZONTAL AND IN DIRECTION OF STORMWATER FLOW.



amendments	amendment	by	checked
01	20.04.26	SSDA MODIFICATION 2 ISSUE	RG MG



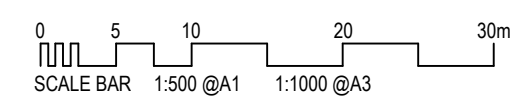
DCI SYD02
90 Peter Brock Drive, Eastern Creek, NSW

CIVIL SERVICES
STORMWATER DRAINAGE DETAILS
SHEET 2

original	scale	drawn	project no.
a0	AS SHOWN	RP	NA241460
drawing no.	rev no.	rev no.	rev no.
S02-CI-05-DRG-ACR-0852			01

1. APPROVAL FROM ENDEAVOUR ENERGY MUST BE OBTAINED BEFORE CONSTRUCTING ANY PROPOSED WORKS WITHIN THE TRANSMISSION LINE EASEMENT, INCLUDING BUT NOT LIMITED TO RETAINING WALLS, EARTHWORKS, RAINWATER TANKS, FENCING, PAVEMENTS, ROAD FURNITURE AND THE LIKE.
2. THE CURRENT PAVEMENT DESIGN OF THE PROJECT IS BASED ON PRELIMINARY ASSUMPTIONS REGARDING SUBSOIL CONDITIONS. GEOTECHNICAL PARAMETERS TO BE FINALISED DURING DETAILED DESIGN STAGE.

	<u>PAVEMENT TYPE P1</u> ASPHALT CIRCULATION ROAD/CARPARK PAVEMENT
	<u>PAVEMENT TYPE P2</u> CONCRETE VEHICULAR CROSSING PAVEMENT (REFER TO BLACKTOWN CITY COUNCIL STANDARD DRAWING 1003)
	<u>PAVEMENT TYPE P3</u> CONCRETE FOOTPATH PAVEMENT
	<u>PAVEMENT TYPE P4</u> CONCRETE CIRCULATION ROAD/CARPARK PAVEMENT
	<u>STRUCTURAL SLAB</u> BUILDINGS (DESIGNED BY STRUCTURAL ENGINEER)



original	scale	drawn	project no.
a0	1:500	RP	NA241460
drawing no.			rev. no.
S02-CI-05-DRG-ACR-0900			01