

Regulated Design Record				
Project Address: WALTER STREET, WILLOUGHBY NSW 2067				
Project Title: WALTER ST DEVELOPMENT WILLOUGHBY				
Consent No: .		Body Corporate Reg No:		
Drawing Title: .		Drawing No: .		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
-	-	-	-	-

# WALTER ST DEVELOPMENT, WILLOUGHBY - ROADWORKS

## DEVELOPMENT APPLICATION



DRAWING LIST	
NO.	DRAWING TITLE
R-0-00	COVER SHEET
R-0-01	SITE PLAN
R-0-02	GENERAL NOTES AND LEGEND
R-1-10	EROSION AND SEDIMENT CONTROL PLAN
R-1-15	EROSION AND SEDIMENT CONTROL PLAN NOTES & DETAILS
R-2-00	GENERAL ARRAGEMENT PLAN
R-3-00	PAVEMENT TYPES AND JOINTING PLAN
R-3-10	ROAD & FOOTPATH TYPICAL SECTIONS
R-3-20	ROAD & FOOTPATH LONG SECTIONS
R-3-80	CIVIL WORKS DETAILS SHEET 1 OF 2
R-3-81	CIVIL WORKS DETAILS SHEET 2 OF 2
R-4-00	STORMWATER LONGITUDINAL SECTIONS
R-4-20	STORMWATER DRAINAGE DETAILS
R-4-60	STORMWATER DRAINAGE CATCHMENT PLAN

LOCALITY PLAN  
N.T.S.

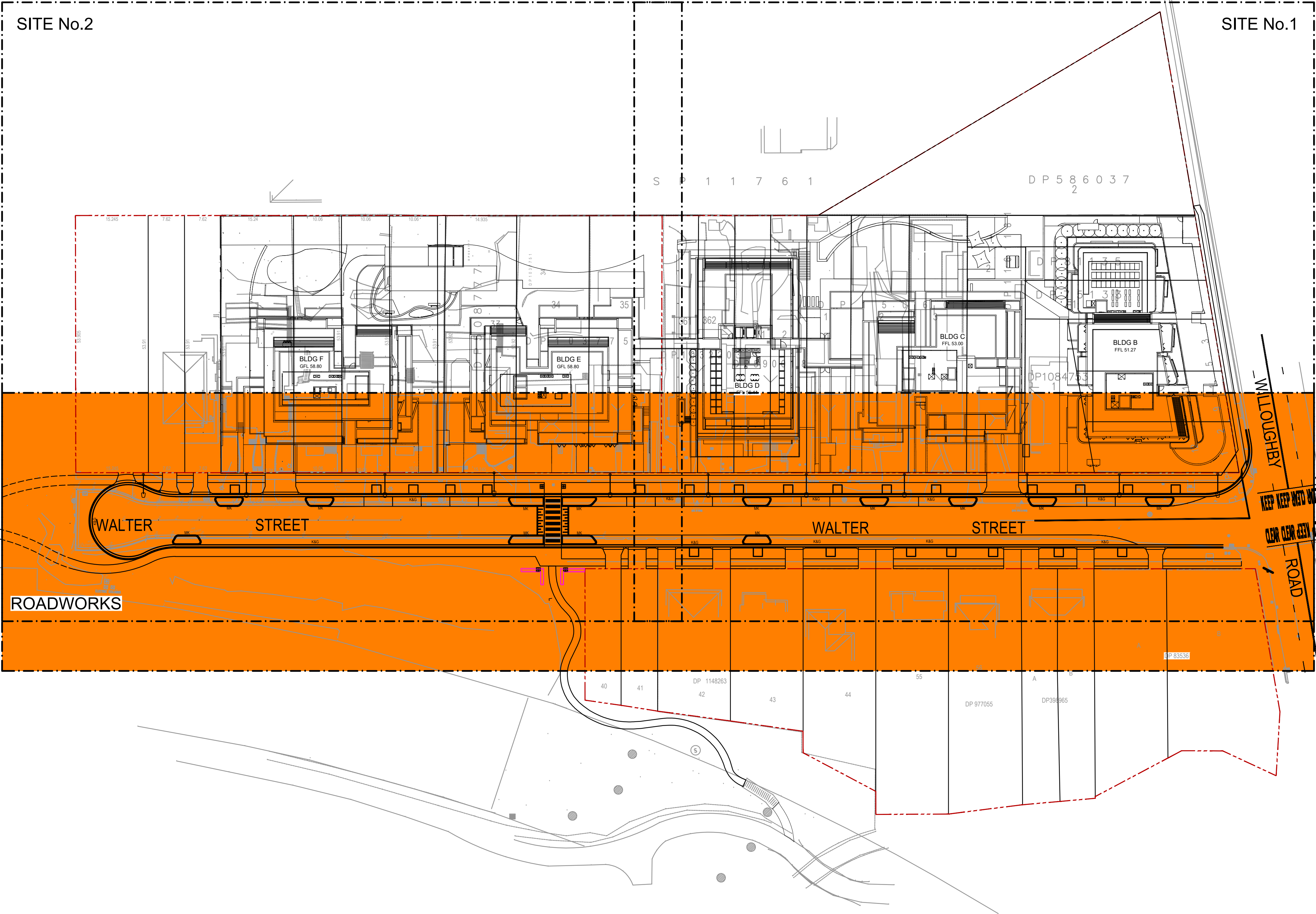
WILLOUGHBY COUNCIL

CLIENT:  
WALTER PROJECT PTY LTD

WALTER ST DEVELOPMENT,  
WILLOUGHBY - ROADWORKS



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FIRST ISSUE	DESIGN	DRAWN	CHECK	APPD.	DATE	AMENDMENT DETAILS
A		AM	CB	CB	26/09/21	ISSUED FOR DEVELOPMENT APPLICATION

STATUS	FOR DEVELOPMENT APPLICATION

SCALE AS SHOWN
0 5 10 15 20 25 30 35 40 SCALE 1:500 (A1) SCALE 1:1000 (A3)

CLIENT	WALTER PROJECT PTY LTD



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PROJECT	WALTER ST DEVELOPMENT, WILLOUGHBY ROAD WORKS

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DRAWING TITLE	SITE PLAN

PROJECT No.	DRAWING No.	MILESTONE	REVISION
21-000272	R-0-01		A

FILE: I:\STANDARD\PROJECTS\21\21000272 - WALTER ST AND WILLOUGHBY RD - WILLOUGHBY\08 - MODEL\AUTO\DOWN\LR-0-01.DWG LAST SAVED BY CARLO BARTOLOME PLOTTED: 26-Sep-21



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## GENERAL NOTES

- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND WORK SPECIFICATIONS.
- ALL WORK WITHIN WALTER STREET SHALL BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S STANDARDS AND SPECIFICATIONS, DETAILS SHOWN ON THE CONSTRUCTION DRAWINGS, AND TO THE REQUIREMENTS OF COUNCIL'S ENGINEER.
- ALL WORK WITHIN WILLOUGHBY ROAD SHALL BE CARRIED OUT IN ACCORDANCE WITH TRANSPORT FOR NSW'S (TNSW) STANDARDS AND SPECIFICATIONS, DETAILS SHOWN ON THE CONSTRUCTION DRAWINGS, AND TO THE REQUIREMENTS OF TNSW'S ENGINEER.
- ALL LEVELS SHALL BE TAKEN FROM ESTABLISHED BENCH MARKS.
- DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE CONSTRUCTION DRAWINGS.
- ANY DISCREPANCIES OR OMISSIONS WITH OTHER CONSULTANTS' DRAWINGS SHALL BE REFERRED TO THE SUPERINTENDENT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
- VEHICULAR ACCESS AND SERVICES TO ADJOINING PROPERTIES TO BE MAINTAINED AT ALL TIMES.
- WRITTEN PERMISSION SHALL BE OBTAINED FROM ADJOINING OWNERS PRIOR TO COMMENCEMENT OF ANY RELEVANT CONSTRUCTION AFFECTING ADJOINING LANDS.
- THE CONTRACTOR SHALL TAKE ALL DUE CARE THAT ONLY THE ABSOLUTE MINIMUM OF AREA FOR CONSTRUCTION IS USED AND THAT NO UNDUE DAMAGE IS DONE TO THE EXISTING VEGETATION.
- NO WORK TO BE CARRIED OUT IN SUNDAYS.
- ALL RUBBISH, TEMPORARY OFFICES, SHEDS AND FENCES TO BE REMOVED AT THE COMPLETION OF ALL CONSTRUCTION ACTIVITY AND PRIOR TO SITE HANDOVER.

## EXISTING SERVICES NOTES

- CALIBRE DOES NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THIS DRAWING SHOWS MORE THAN THE PRESENCE OR ABSENCE OF SERVICES, AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION FROM ANY CAUSE WHATSOEVER.
- THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM INFORMATION PROVIDED BY SERVICE AUTHORITIES AND THE SURVEYOR. THIS INFORMATION HAS BEEN PREPARED SOLELY FOR THE AUTHORITIES OWN USE AND MAY NOT NECESSARILY BE UPDATED OR ACCURATE.
- THE POSITION OF SERVICES AS RECORDED BY THE AUTHORITY AT THE TIME OF INSTALLATION MAY NOT REFLECT CHANGES IN THE PHYSICAL ENVIRONMENT SUBSEQUENT TO INSTALLATION.
- THE CONTRACTOR MUST CONFIRM THE EXACT LOCATION AND EXTENT OF SERVICES PRIOR TO CONSTRUCTION AND NOTIFY ANY CONFLICT WITH THE DRAWINGS IMMEDIATELY TO THE ENGINEER/SUPERINTENDENT.
- ALL EXISTING SERVICES PITS, ENCLOSURES AND CONDUITS SHALL BE RELOCATED AND/OR ADJUSTED AS NECESSARY TO THE REQUIREMENTS OF THE RELEVANT AUTHORITY.
- THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY THE WORKS WITHIN THE CONTRACT AREA, AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT. ALL TO REGULATORY AUTHORITY STANDARDS AND APPROVAL.
- CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.
- INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE. CONTRACTOR TO GAIN APPROVAL OF THE SUPERINTENDENT FOR TIME OF INTERRUPTION.
- THE CONTRACTOR SHALL TAKE ALL REASONABLE CARE TO PROTECT EXISTING SERVICES. DAMAGED SERVICES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

## EARTHWORKS NOTES

- REFER TO THE GEOTECHNICAL ENGINEERING REPORT \_\_\_\_\_ PREPARED BY \_\_\_\_\_.
- STRIP SITE OF ALL TOPSOIL, VEGETATION AND DELETERIOUS MATTER TO A MINIMUM DEPTH OF 100-150mm (U.N.O.).
- PROOF ROLL SUBGRADE TO REVEAL SOFT SPOTS. SOFT SPOTS TO BE REMOVED AND BACKFILLED.
- MATERIAL WON FROM THE SITE TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER FOR APPROVAL PRIOR TO USE AS FILL. ANY IMPORTED FILL TO HAVE A MINIMUM CBR VALUE OF 15%. SELECTED EARTH FILL SHALL BE APPROVED EXCAVATED SITE MATERIAL HAVING A MAXIMUM PARTICLE SIZE OF 75mm AND PLACED IN 200mm THICK LAYERS (LOOSE) AND COMPACTED TO ACHIEVE A MINIMUM OF 98% STANDARD MAXIMUM DRY DENSITY AT AN OPTIMUM MOISTURE CONTENT OF +2% IN ACCORDANCE WITH AS.1289.5.1.1. EXCEPT FOR THE UPPER 500mm WITH SHOULD BE COMPACTED TO A MINIMUM 100% STANDARD MAXIMUM DRY DENSITY.
- TEST CERTIFICATES ON THE FILL MATERIAL SHALL BE SUPPLIED TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO THE USE OF THE FILL MATERIAL.
- POSSIBLE CONTAMINATION OF THIS SITE HAS NOT BEEN INVESTIGATED. SUSPECT SOILS EXPOSED DURING EXCAVATION AND GROUND WORKS SHALL BE REPORTED TO THE SUPERINTENDENT.
- GENERALLY ALL EARTHWORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE GUIDELINES FOR EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS AS SET OUT IN AS3798(2007).
- SITE PREPARATION WORKS AND ALL FILLING WORKS IS TO BE UNDER LEVEL 1 CONDITIONS IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S REPORTS AND AS3798(2007).
- THE CONTRACTOR SHALL PROGRAMME 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.
- EARTHWORKS SHALL INCLUDE THE EXCAVATION, PLACING AND COMPACTION OF CUT MATERIALS TO THE LEVELS AND PROFILES AS DETAILED ON THE BULK EARTHWORKS PLAN. EXCESS SPOIL IS TO BE MANAGED AS DIRECTED BY THE SUPERINTENDENT. BATTERS SHALL CONTINUE IN REGULAR LINES AROUND CURVES.
- WHERE BATTERS ARE NOT DETAILED ON PLANS AND SECTION, AN EVEN GRADE BETWEEN NOMINATED LEVELS WILL APPLY. THE MAXIMUM UNSUPPORTED BATTER SHALL BE 1V:3H UNLESS NOTED OTHERWISE.
- BATTERS SHALL BE FREE OF LOOSE MATERIAL AND SHALL BE NEATLY TRIMMED AND ROLLED TO SEAL THE SURFACE (PRIOR TO REVEGETATION AS REQUIRED IN ACCORDANCE WITH SITE VMP).
- FILL BATTERS TO BE CONSTRUCTED BY OVER PLACEMENT OF ENGINEERED FILL AND TRIMMING BACK TO THE FINAL PROFILE.
- EXCAVATED MATERIAL NOT MEETING THE SPECIFICATION FOR FILL MATERIAL AND CLASSIFIED AS UNSUITABLE SHALL BE DISPOSED OF IN AN APPROPRIATE MANNER AND AS DIRECTED BY THE SUPERINTENDENT.
- ALL EXCAVATED MATERIAL REMOVED FORM THE SITE MUST BE CLASSIFIED IN ACCORDANCE WITH NSW DECC (2008) ENVIRONMENTAL GUIDELINES: ASSESSMENT, CLASSIFICATION AND MANAGEMENT OF LIQUID AND NON-LIQUID WASTES PRIOR TO DISPOSAL. ALL EXCAVATED MATERIAL MUST BE DISPOSED OF TO AN APPROVED WASTE MANAGEMENT FACILITY.
- STRIPPED PAVEMENT SUB-GRADES MUST BE PROOF ROLLED (PRIOR TO ADDITION OF SUITABLE FILL) BY A MINIMUM 12 TONNE MASS SMOOTH DRUM ROLLER WITHOUT VIBRATION UNDER THE SUPERVISION OF THE GEOTECHNICAL TESTING AUTHORITY (GTA) AND/OR SITE ENGINEER.
- TOPSOIL WHERE PLACED OR REQUIRED IS TO HAVE A MAXIMUM THICKNESS OF 300mm AND SHALL BE LIGHTLY ROLLED TO ACHIEVE A NATURAL IN-SITU COMPACTION TO PREVENT EROSION BUT TO ACHIEVE THE REQUIRED GRADES AS SPECIFIED ON THE DESIGN DRAWINGS.
- SURFACE RUNOFF AND SCOUR MUST BE CONTROLLED AND THE SURFACE BETWEEN LAYERS GRADED WITH A 1% MINIMUM FREE DRAINING SLOPE.
- DURING CLEARING AND EXCAVATION FOR SLABS AND FOOTINGS CUT OUT SOFT SPOTS AND FILL AS ABOVE AND AS DIRECTED BY THE GTA.

## SURVEY INFORMATION

ORIGIN OF LEVELS: PM 22119, RL49.961  
DATUM OF LEVELS: AHD  
SURVEY PREPARED BY: PEAK SURVEYING

- CALIBRE DOES NOT GUARANTEE THE SURVEY INFORMATION SHOWN ON THIS DRAWING AND WILL ACCEPT NO LIABILITY FOR ANY INACCURACIES IN THE SURVEY INFORMATION PROVIDED TO US FROM ANY CAUSE WHATSOEVER.
- SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT CALIBRE CONSULTING. THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.

## CONCRETE NOTES

### GENERAL

- CONCRETE WORK SHALL BE IN ACCORDANCE WITH AS3600 AND WITH THE PROJECT SPECIFICATIONS.
- CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND USED ONLY WHERE SHOWN ON DRAWINGS OR SPECIFICALLY APPROVED BY THE ENGINEER.
- ALL THICKNESSES SHOWN ARE MINIMUM STRUCTURAL REQUIREMENTS, NO REDUCTION IN THICKNESS DUE TO FALLS OR TOPPING IS PERMITTED. REFER CIVIL DRAWINGS FOR ALL SLAB FALLS AND CONFIRMATION OF SLAB STEPS.
- THE FACE OF ALL CONCRETE AGAINST WHICH NEW CONCRETE IS TO BE CAST IS TO BE MATCHING EXISTING SURFACE.
- CONDUITS GREATER THAN 25mm DIAMETER CAST INTO CONCRETE MEMBERS SHALL BE SPACED AT A MAXIMUM DISTANCE POSSIBLE AND UNDER NO CIRCUMSTANCES CLOSER THAN A CLEAR SPACING OF TWICE THE LARGER CONDUIT DIAMETER FROM PARALLEL REINFORCEMENT OR ANY OTHER CONDUIT.

### CONCRETE

- THE CHARACTERISTIC COMPRESSIVE STRENGTH (f<sub>ck</sub>) AT 28 DAYS OF IN PLACE CONCRETE SHALL BE AS NOTED ON THE DRAWINGS.
- ALL UNFORMED SURFACES SHALL HAVE A STEEL TROWEL FINISH
- MAXIMUM AGGREGATE SIZE .....20mm
- CONCRETE SLUMP SHALL BE:  
(\*) 80mm plus/minus 15mm FOR ALL CONCRETE EXCEPT WHERE OTHERWISE NOTED.  
(\*) AS ADVISED BY STRUCTURAL ENGINEER
- ALL CONCRETE SHALL BE VIBRATED.
- ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH THE SPECIFICATION.
- ALL CONCRETE SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH AS1012 AND THE PROJECT SPECIFICATION.
- ALL FORM WORK SHALL COMPLY WITH AS3610

### REINFORCEMENT

- REINFORCEMENT IS TO BE MANUFACTURED IN ACCORDANCE WITH AS4671 AND SHALL BE FIXED AS SHOWN ON DRAWINGS.
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS.3600 AND OTHER RELEVANT CODES.
- THE BAR SIZE IS INDICATED BY A NUMBER AFTER THE SYMBOL, WHICH INDICATES THE BAR DIAMETER IN MILLIMETRES.
- REINFORCEMENT SPACING NOMINATED ON DRAWINGS IS TO ASSIST SCHEDULER AND STEEL FIXER TO ASSESS TOTAL NUMBER OF BARS REQUIRED. WHERE BARS PLACED IN ACCORDANCE WITH SPACING NOMINATED FOUL WITH OTHER STRUCTURAL REQUIREMENTS. PREFERENCE IS TO BE GIVEN TO RELOCATING BARS BY LOCALLY ADJUSTING SPACING TO ENABLE ASSEMBLY OF REINFORCEMENT TO BE COMPLETED. ENGINEER IS TO BE CONTACTED IN THE EVENT THAT REINFORCEMENT IS NEEDED TO BE CUT ON SITE PRIOR TO CONTINUING.
- LAP LENGTHS TO REINFORCEMENT BARS TO BE AS NOTED ON THE RELEVANT DRAWINGS.
- WELDING OF REINFORCEMENT BARS IS NOT PERMITTED UNLESS APPROVED BY DESIGN ENGINEER.
- COVER SHALL BE AS NOTED ON THE RELEVANT DRAWINGS.
- LAPPED SPLICE FOR FABRIC SHALL BE MADE SO THAT THE TWO OUTER MOST TRANSVERSE WIRES OF ONE SHEET OF FABRIC OVERLAP THE TWO OUTER MOST TRANSVERSE WIRES OF THE SHEET BEING LAPPED.
- CONCRETE COVERS NOTED ARE MEASURED FROM THE FORM WORK OR GROUND FACE TO THE OUTERMOST REINFORCEMENT COMPONENT.
- COVER TO BE MAINTAINED DURING POURING BY THE USE OF PLASTIC CHAIRS OR PLASTIC TIPPED METAL CHAIRS.
- WHERE NO REINFORCEMENT IS SHOWN ON THE DRAWING AT RIGHT ANGLES TO THE MAIN REINFORCEMENT DISTRIBUTION REINFORCEMENT IS TO BE PROVIDED.

## STORMWATER NOTES

- ALL EXPOSED SURFACES TO BE GRADED TOWARDS DRAINAGE INLETS AT MIN. 1.0% FALL (U.N.O.).
- ALL DRAINAGE PIPES UP TO AND INCLUDING 250 DIA. SHALL BE SEWER GRADE uPVC WITH RUBBER RING JOINTS LAID AT MINIMUM 1.0% GRADE (U.N.O.).
- ALL STORMWATER DRAINAGE PIPES 300 DIA. AND LARGER SHALL BE CLASS "4" APPROVED SPIGOT AND SOCKET RCP PIPES WITH RUBBER RING JOINTS (U.N.O.).
- SUBSOIL DRAINS TO BE SLOTTED FLEXIBLE uPVC WITH GEOTEXTILE FILTER FABRIC SOCK (U.N.O.), WHERE SUBSOIL DRAINAGE LINES PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS UNSLOTTED UPVC SEWER GRADE PIPES SHALL BE USED.
- ALL COVER TO STORMWATER PIPES TO BE MIN. 300mm UNDER NON-TRAFFICABLE AREAS AND 600mm UNDER AREAS SUBJECT TO VEHICULAR LOADING (U.N.O.).
- EQUIVALENT STRENGTH FRC PIPES MAY BE USED FOR PIPES UP TO 450 DIA SUBJECT TO COUNCIL ENGINEER'S APPROVAL.
- ALL PIPE ENLARGERS, CONNECTIONS, JUNCTIONS AND ADAPTORS ARE TO BE MANUFACTURED FITTINGS. IN-SITU FITTINGS AND ADAPTORS ARE NOT ACCEPTABLE WITHOUT CIVIL ENGINEER'S APPROVAL.
- PROVIDE 3.0m LENGTH OF 100 DIA. SUBSOIL DRAINAGE PIPE WRAPPED IN FABRIC SOCK, AT UPSTREAM END OF EACH PIT (U.N.O.).
- ALL DOWN PIPE CONNECTIONS TO BE MINIMUM 1500.
- CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL. (GRADES SHOWN ARE ONLY NOMINAL).
- ALL LONGITUDINAL PIPELINES IN ROADS MUST BE LOCATED UNDER KERB AND GUTTER AND BE BACKFILLED AS INDICATED ON PLANS.
- ALL GULLY PITS TO BE IN ACCORDANCE WITH STANDARD DETAILS AND LINTELS CENTRALLY PLACED AT SAG PITS. LENGTH OF LINTEL SHOWN INDICATES LENGTH OF CLEAR OPENING.
- ALL PITS MUST BE BENCHED AND STREAMLINED. PROVIDE STEP IRONS TO ALL PITS OVER 0.9m DEEP.
- ADEQUATE PROVISIONS TO BE MADE TO PREVENT SCOURING AND SEDIMENTATION TO SOFT-LINED STORMWATER DRAINAGE ELEMENTS AND AT DRAINAGE OUTLETS.

## CONSTRUCTION NOTES

- THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE SUPERINTENDENT
- ALL WORKS SHALL HAVE SMOOTH JUNCTIONS WITH EXISTING.
- PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS, AND AFTER THE ROAD CENTRELINES HAVE BEEN PEGGED AND/OR PERMANENTLY MARKED, THE SITE MUST BE INSPECTED BY COUNCIL'S REPRESENTATIVE AND THE APPLICANT'S REPRESENTATIVE TO IDENTIFY AND APPROPRIATELY MARK:-  
(i) THE TREES TO BE RETAINED  
(ii) ALL AREAS TO BE LEFT UNDISTURBED AND CORDONED OFF.
- THE CONTRACTOR SHALL BE DEEMED TO HAVE INVESTIGATED THE SITE AND BE SATISFIED AS TO THE QUANTITY AND TYPE OF MATERIAL TO BE EXCAVATED AND THE SUB-SURFACE CONDITIONS LIKELY TO BE ENCOUNTERED DURING BULK EARTHWORKS.
- ALL GENERATED WASTE AND SPOIL TO BE MANAGED IN ACCORDANCE WITH THE APPROVED SITE WASTE MANAGEMENT PLAN AND/OR RELEVANT NSW DECC GUIDELINES. ANY SPOIL OR OTHER MATERIAL SUSPECTED OF BEING CONTAMINATED IS TO BE REFERRED TO THE SUPERINTENDENT.

## CONSTRUCTION MATERIALS

- MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS. WITH THE BY-LAWS AND ORDINANCE REQUIREMENTS OF THE RELEVANT BUILDING AUTHORITY AND INDUSTRY BEST PRACTICE EXCEPT WERE VARIED BY THE PROJECT SPECIFICATIONS.
- SUFFICIENT NOTICE SHALL BE GIVEN BY THE CONTRACTOR TO THE SUPERINTENDENT TO ENABLE MATERIALS THAT ARE TO BE BROUGHT ON SITE TO BE EXAMINED. ALL MATERIALS ARE TO BE STACKED IN A SUITABLE MANNER TO FACILITATE EXAMINATION.
- MATERIALS SUCH AS FILL/ TOPSOIL/ SAND SHALL HAVE A VALIDATION CERTIFICATE FROM AN APPROVED TESTING LABORATORY/ ENVIRONMENTAL CONSULTANT IF SUCH MATERIAL IS NOT PROCURED FROM THE SITE OR SUPPLIED OR ARRANGED BY THE SUPERINTENDENT.
- WHERE THE CONTRACTOR SUPPLIED MATERIALS OF A MIXED OR POOR QUALITY, THE SUPERINTENDENT SHALL HAVE THE AUTHORITY TO REQUIRE THE CONTRACTOR TO PICK OUT AND STACK THOSE MATERIALS WHICH IN HIS OPINION ARE SUITABLE FOR THE WORKS AND TO HAVE THOSE WHICH ARE UNSUITABLE REMOVED FROM THE WORKS SITE AT THE CONTRACTOR'S COST.
- ANY MATERIAL WHICH IS BROUGHT ONTO THE SITE AND PLACED IN SITU PRIOR TO ANY APPROVAL BY THE SUPERINTENDENT/ ENGINEER OR THEIR AGENTS SHALL BE REMOVED AND THE WORKS REMEDIATED TO THEIR PRIOR CONDITION BY THE CONTRACTOR AT HIS COST.

## LEGEND

DESCRIPTION	PROPOSED	EXISTING	FUTURE
STORMWATER PIPELINE			
STORMWATER DRAINAGE PITS			
DRAINAGE LINE No. 3 DRAINAGE PIT No. 10			
CONCRETE HEADWALL			
SUBSOIL DRAIN			
150mm KERB AND GUTTER			
ROLL KERB AND GUTTER			
KERB ONLY			
EDGE STRIP			
MOUNTABLE KERB			
DISH CROSSING			
VEHICULAR CROSSING			
PEDESTRIAN RAMP			
EDGE OF BITUMEN			
ROAD PAVEMENT			
BENCHMARK			
BATTERS			
CONCRETE PATHWAY			
CONTOURS			
SITE REGRADING AREA			
EXISTING WATER			
EXISTING NBN			
EXISTING STORMWATER			
EXISTING SEWER			
EXISTING GAS			
EXISTING ELECTRICAL			
SERVICE PITS TELECOM PIT, ACCESS CHAMBER, HYDRANT, STOP VALVE, AIR VALVE			
LIMIT OF ROAD CONSTRUCTION			
STAGE BOUNDARY			
FENCE POST AND RAIL FENCE SECURITY FENCE			
LOT NUMBERS			
TREES TO RETAIN WITHIN SITE TREES TO REMOVED WITHIN SITE			
RETAINING WALL			
ROCK WALL			
ROOF WATER OUTLET TO KERB			
ROOF WATER OUTLET TO BACK OF PIT			

FILE: I:\STANDARD\PROJECTS\21-000272 - WALTER ST AND WILLOUGHBY RD - WILLOUGHBY\08 - MODEL\AUTO\DOWN\LR-4-02.DWG LAST SAVED BY CARLO BARTOLOME PLOTTED: 26-Sep-21

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SCALE	AS SHOWN

CLIENT	WALTER PROJECT PTY LTD
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PROJECT	WALTER ST DEVELOPMENT, WILLOUGHBY ROAD WORKS
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PROJECT No.	21-000272
DRAWING No.	R-0-02
MILESTONE	
REVISION	B



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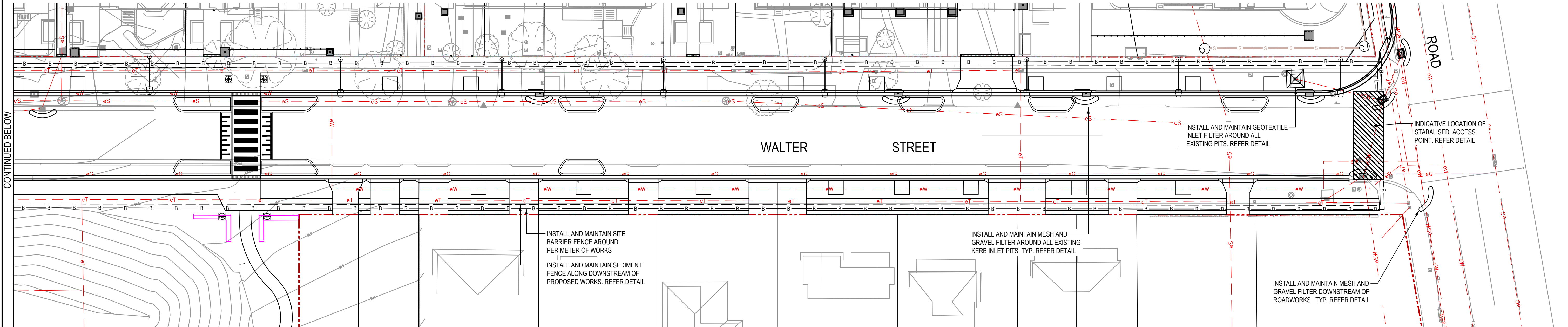
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Body Corporate Reg No: .

Drawing Title: .

Drawing No: .

Rev	Date dd.mm.yy	Description	DP Full Name	Reg No



LEGEND

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SEDIMENT FENCE (SD 6-8)

—B—B—

BARRIER FENCE

→

CATCH DRAIN/ DIVERSION BANK (SD 5-5)

STABILISED ACCESS POINT

GEOTEXTILE INLET FILTER (SD 6-12)  
DURING CONSTRUCTION OF THE ROAD.  
MESH & GRAVEL INLET FILTER (SD 6-11)  
AFTER CONSTRUCTION OF LINTEL.  
FILTER TO BE REMOVED AFTER  
COMPLETION OF ALL WORKS AND  
PRIOR TO SUBDIVISION CERTIFICATE

STRAW BALE FILTER (SD 6-7)

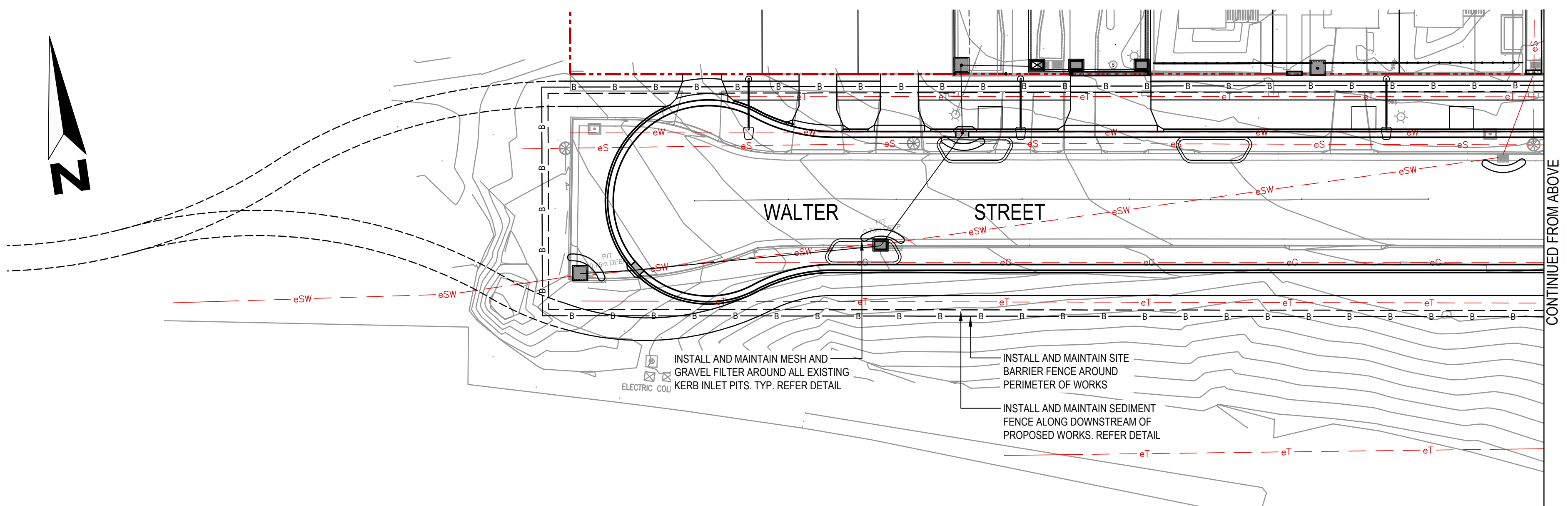
LEVEL SPREADER (SD 5-6)

EXISTING CONTOUR (ORIGINAL  
NATURAL SURFACE)

PROPOSED CONTOUR

CUT AREA

FILL AREA



FIRST ISSUE	DESIGN	DRAWN	CHECK	APPD.	DATE	AMENDMENT DETAILS
A		AM	CB	CB	26/09/21	ISSUED FOR DEVELOPMENT APPLICATION

FOR  
DEVELOPMENT APPLICATION

SCALE AS SHOWN

0 2.5 5 7.5 10 12.5 15 17.5 20

SCALE 1:250 (A1) SCALE 1:500 (A3)

CLIENT

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PROJECT

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DRAWING TITLE

EROSION AND SEDIMENT CONTROL PLAN

PROJECT No.

DRAWING No.

MILESTONE

REVISION

21-000272

R-1-10

A



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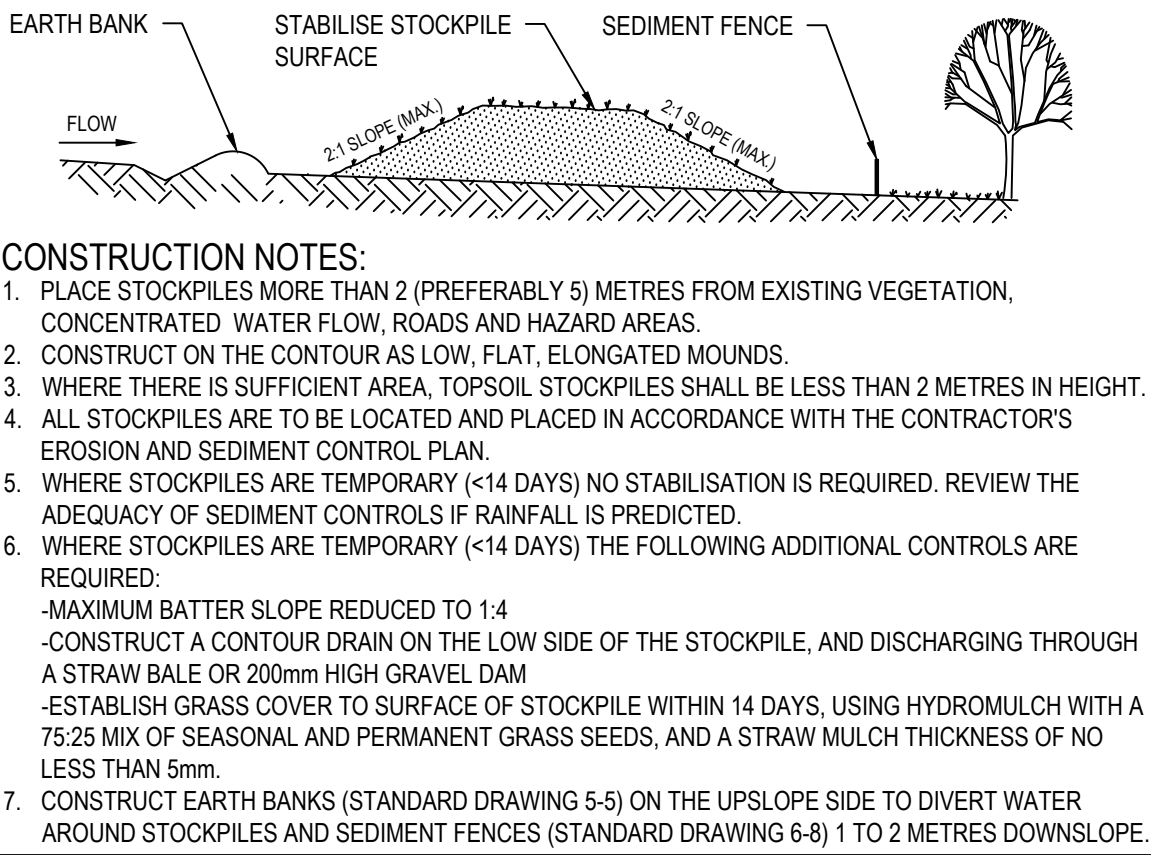
# EROSION AND SEDIMENT CONTROL

## NOTES

1. ALL WORK SHALL BE GENERALLY CARRIED OUT IN ACCORDANCE WITH:
  - (a) LOCAL AUTHORITY REQUIREMENTS,
  - (b) EPA - POLLUTION CONTROL MANUAL FOR URBAN STORMWATER
  - (c) LANDCOM'S SOIL AND CONSTRUCTION - MANAGING URBAN STORMWATER MANUAL
2. EROSION AND SEDIMENT CONTROL DRAWINGS AND NOTES ARE PROVIDED AS 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.
3. MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE LOCAL AUTHORITY.
4. WHEN STORMWATER PITS ARE CONSTRUCTED PREVENT SITE RUNOFF ENTERING THE PITS UNLESS SEDIMENT TRAPS ARE ERECTED AROUND PITS.
5. MINIMIZE THE AREA OF SITE BEING DISTURBED AT ANY ONE TIME.
6. PROTECT ALL STOCKPILES OF MATERIALS FROM SCOUR AND EROSION. DO NOT STOCKPILE LOOSE MATERIAL IN ROADWAYS, NEAR DRAINAGE PITS OR IN WATERCOURSES.
7. 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.
8. CONTROL WATER FROM UPSTREAM OF THE SITE SUCH THAT IT DOES NOT ENTER THE DISTURBED SITE.
9. ALL CONSTRUCTION VEHICLES SHALL ENTER AND EXIT THE SITE VIA THE APPROVED CONSTRUCTION ENTRY/EXIT ROUTE.
10. ALL VEHICLES LEAVING THE SITE SHALL BE CLEANED AND INSPECTED BEFORE LEAVING.
11. MAINTAIN ALL STORMWATER PIPES AND PITS CLEAR OF DEBRIS AND SEDIMENT. INSPECT STORMWATER SYSTEM AND CLEAN OUT AFTER EACH STORM EVENT.
12. CLEAN OUT ALL EROSION AND SEDIMENT CONTROL DEVICES AFTER EACH STORM EVENT.

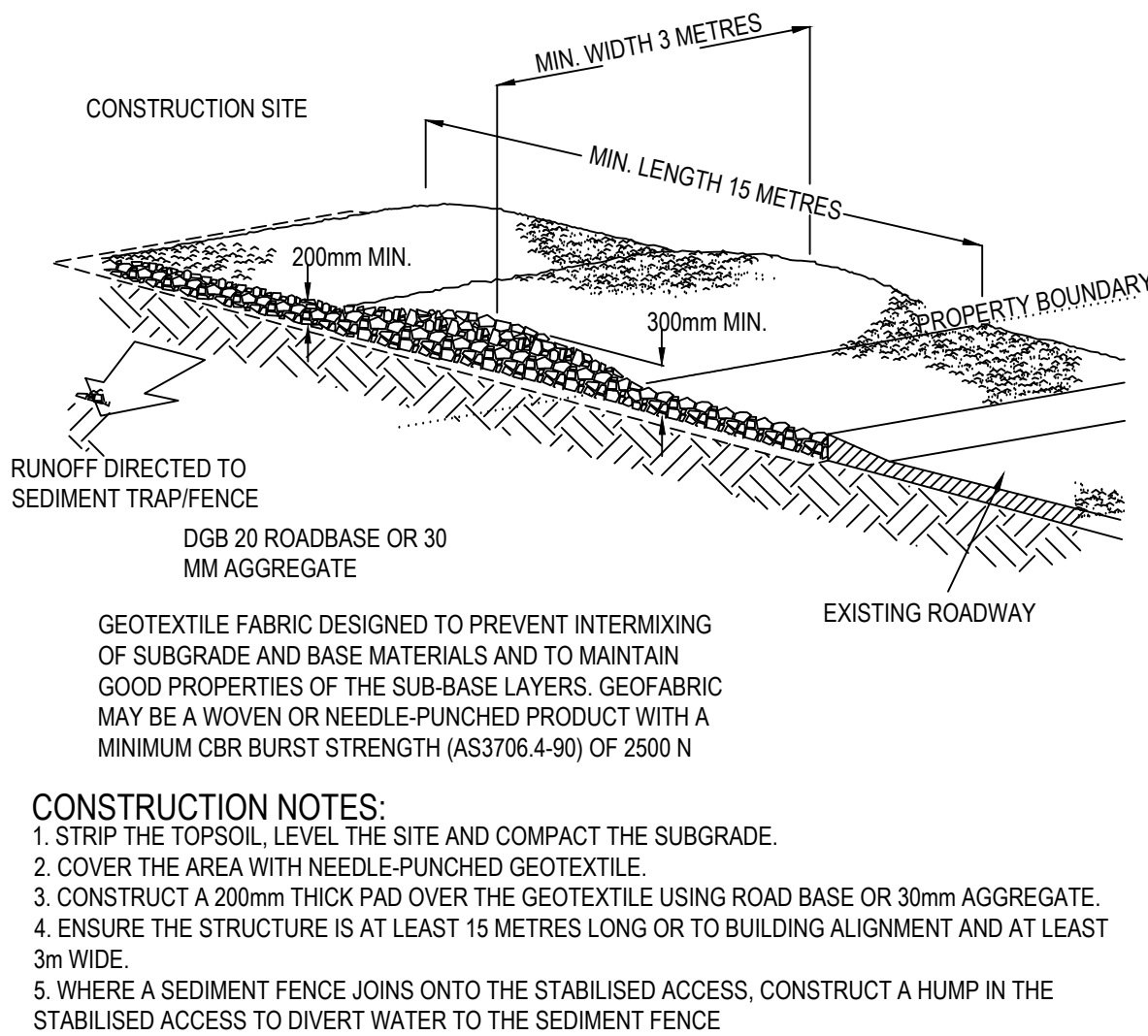
## SEQUENCE OF WORKS

1. PRIOR TO COMMENCEMENT OF EXCAVATION THE FOLLOWING SOIL MANAGEMENT DEVICES MUST BE INSTALLED.
  - (i) CONSTRUCT SILT CONTROL DEVICES BELOW THE SITE AND ACROSS ALL POTENTIAL RUNOFF SITES.
  - (ii) 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.
  - (iii) CONSTRUCT MEASURES TO DIVERT UPSTREAM FLOWS INTO EXISTING STORMWATER SYSTEM.
  - (iv) PROVIDE SANDBAG SEDIMENT TRAPS UPSTREAM OF EXISTING PITS.
2. DISTURBED AREAS ARE REGULARLY WATERED TO REDUCE DUST POLLUTION.
3. CONSTRUCT GEOTEXTILE FILTER PIT SURROUND (SEDIMENT TRAP) AROUND ALL PROPOSED PITS AS THEY ARE CONSTRUCTED.
4. ON COMPLETION OF PAVEMENT PROVIDE SAND BAG SEDIMENT TRAPS AROUND PITS.
5. PROVIDE AND MAINTAIN A STRIP OF TURF ON BOTH SIDES OF ALL ROADS AFTER THE CONSTRUCTION OF KERBS.
6. REMOVE ALL TEMPORARY SOIL MANAGEMENT DEVICES AT THE COMPLETION OF ALL CONSTRUCTION ACTIVITY AND PRIOR TO SITE HANDOVER.



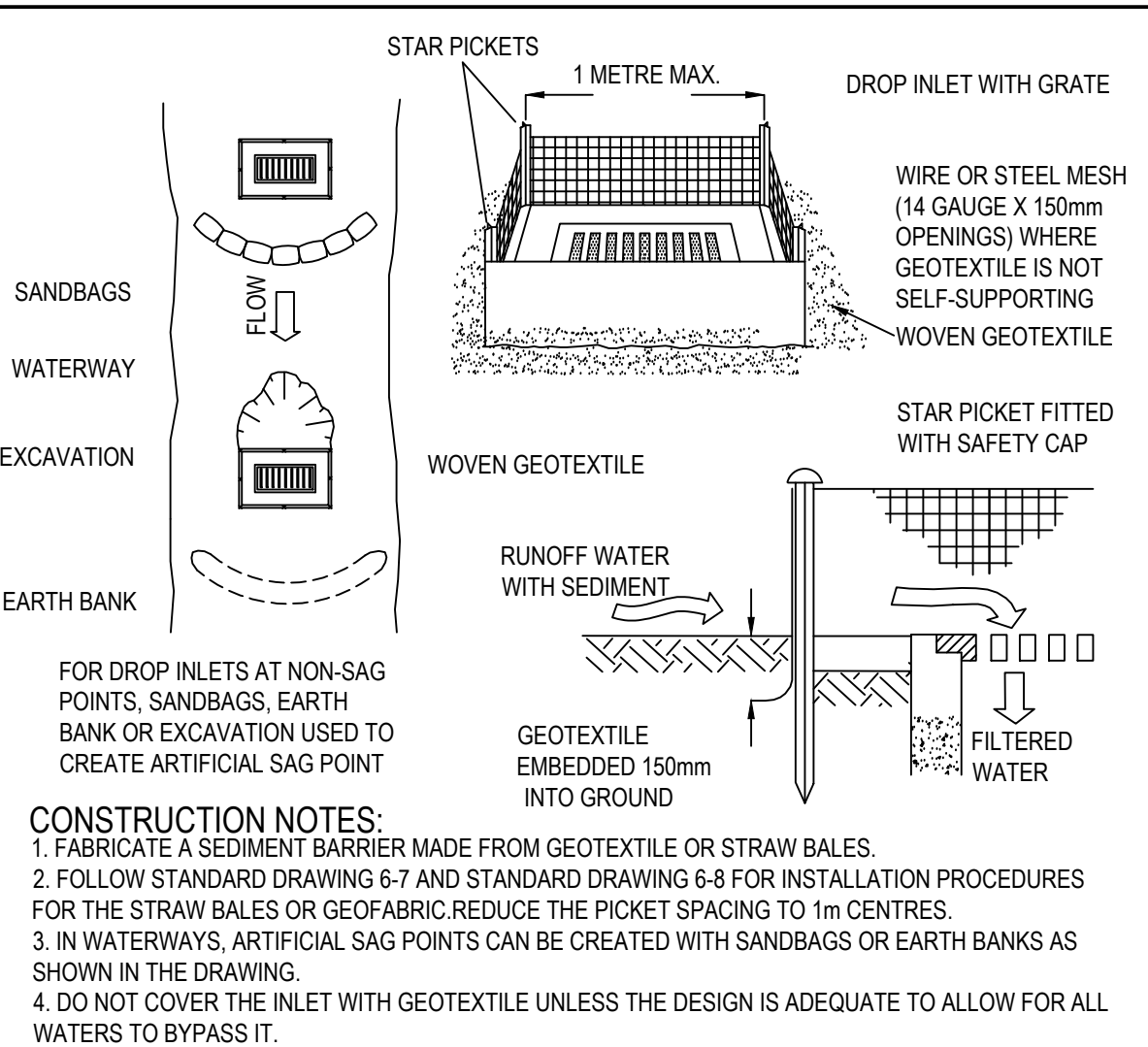
## STOCKPILES

SD 4-1



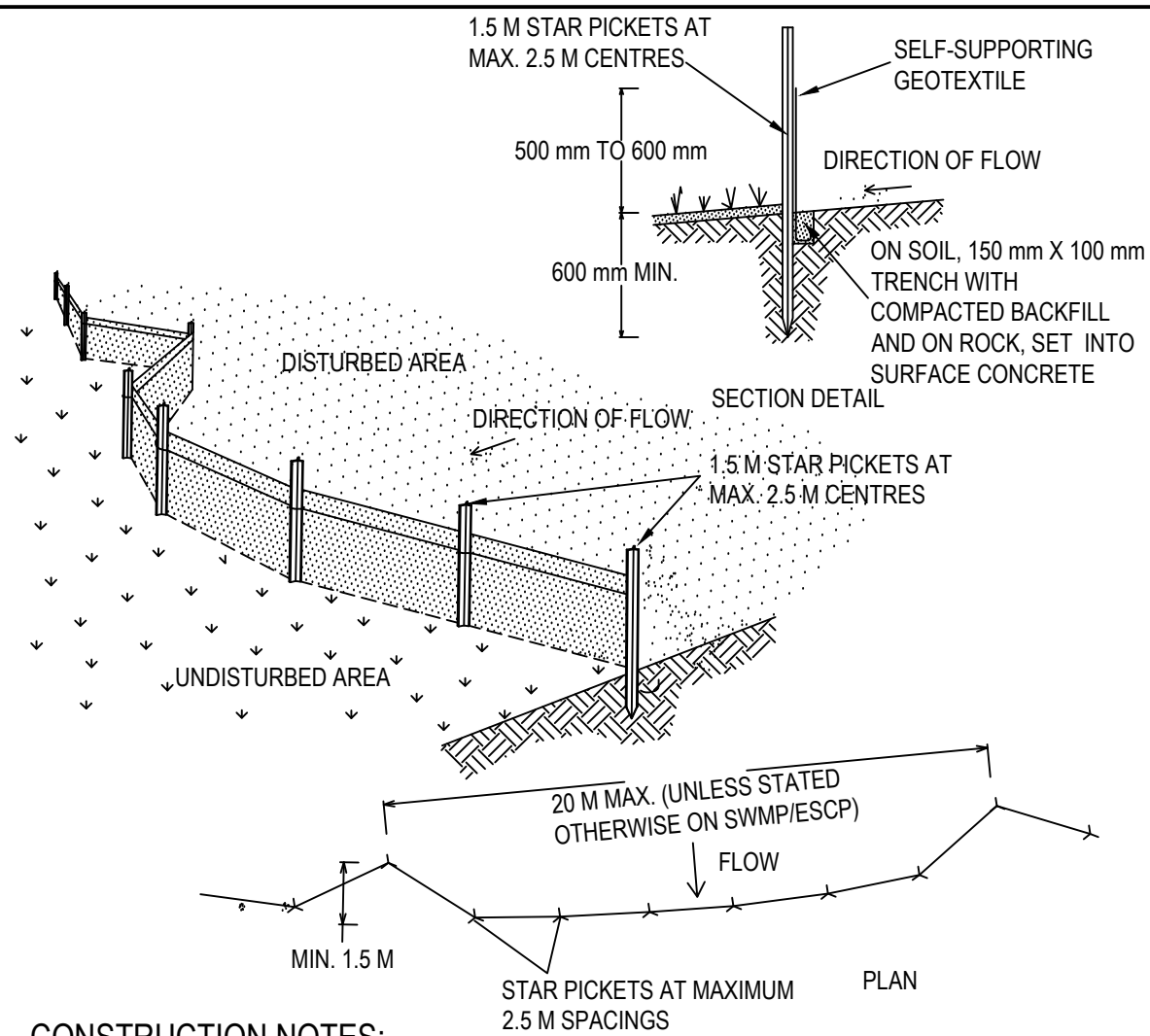
## STABILISED SITE ACCESS

SD 6-14



## GEOTEXTILE INLET FILTER

SD 6-12

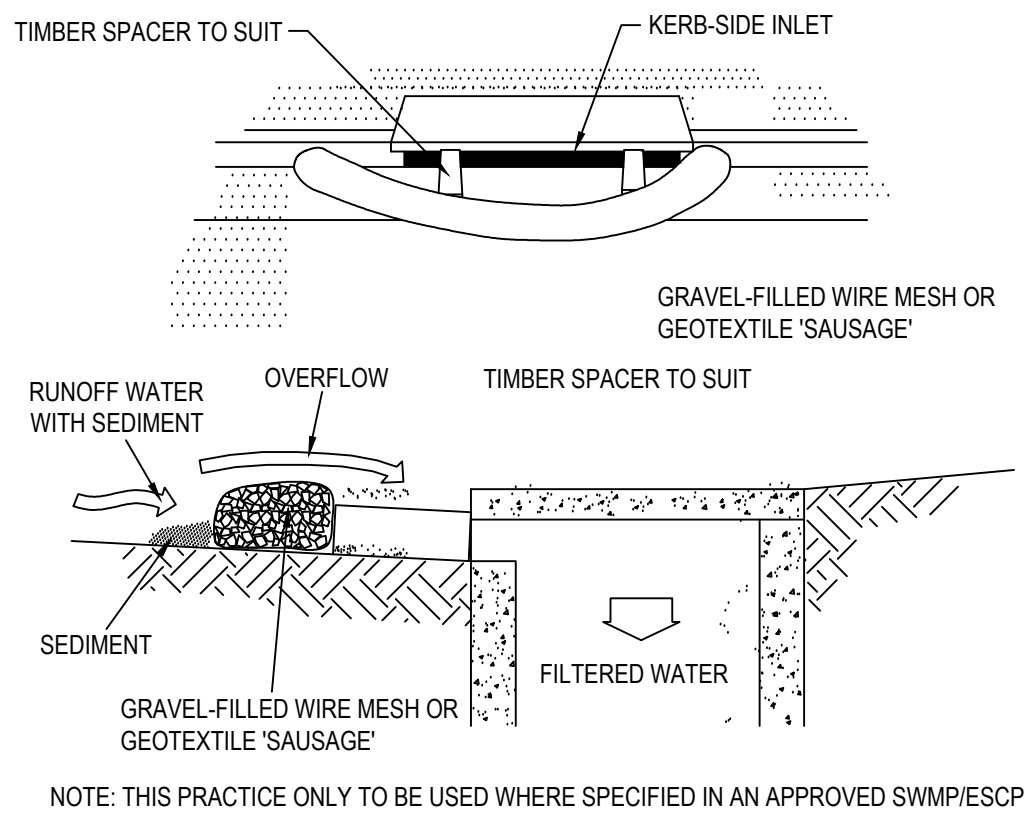


CONSTRUCTION NOTES:

2. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
3. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
4. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5m INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
5. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
6. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
7. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

## SEDIMENT FENCE

SD 6-8



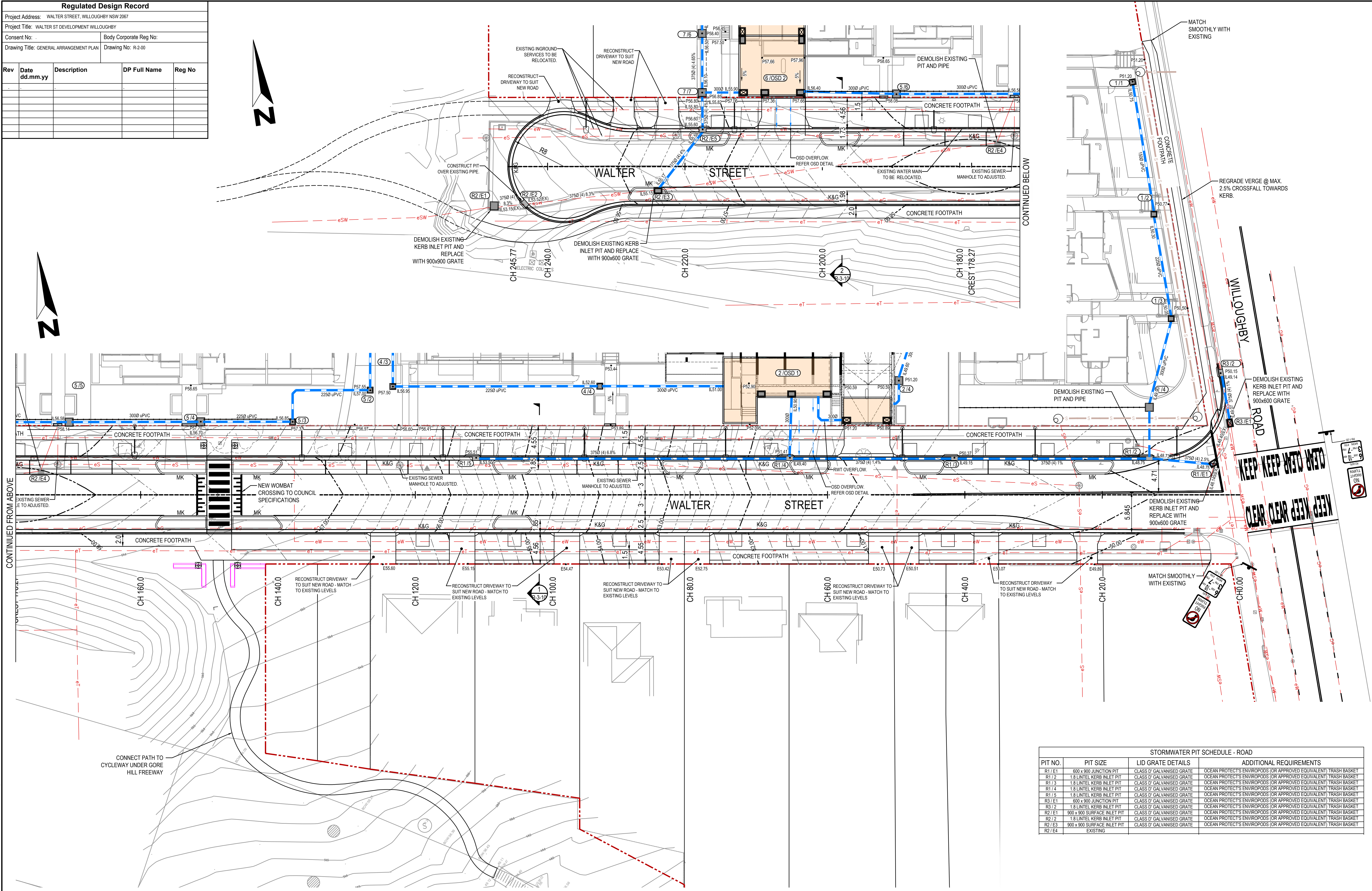
## MESH AND GRAVEL INLET FILTER

SD 6-11

[illegible]



Regulated Design Record				
Project Address: WALTER STREET, WILLOUGHBY NSW 2067				
Project Title: WALTER ST DEVELOPMENT WILLOUGHBY				
Consent No: .		Body Corporate Reg No:		
Drawing Title: GENERAL ARRANGEMENT PLAN		Drawing No: R-2-00		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No

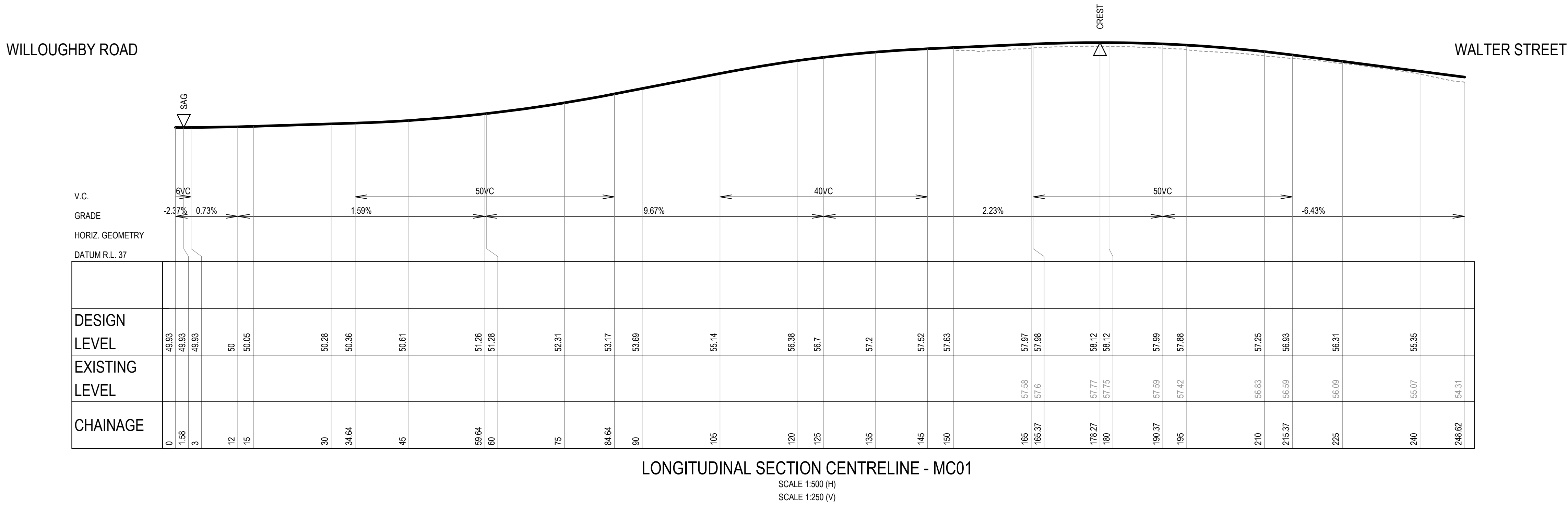


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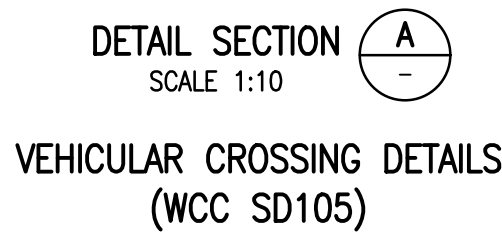
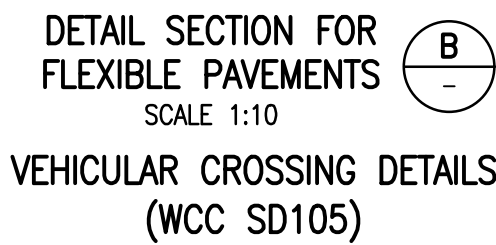
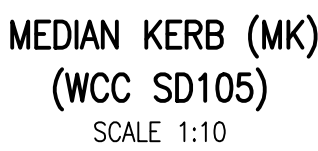
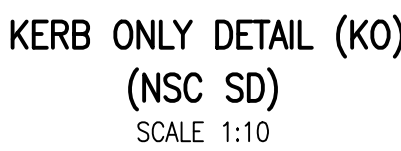
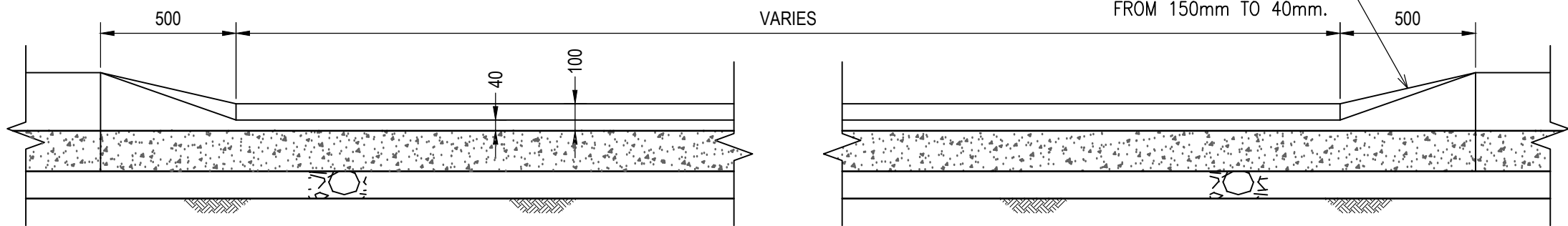






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Regulated Design Record

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Project Title: WALTERS STREET WILLOUGHBY

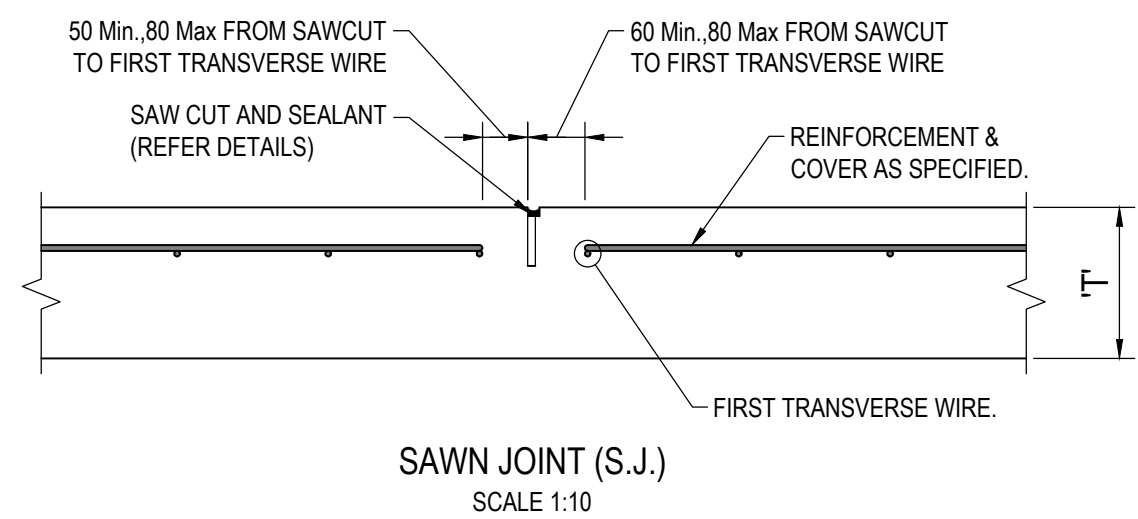
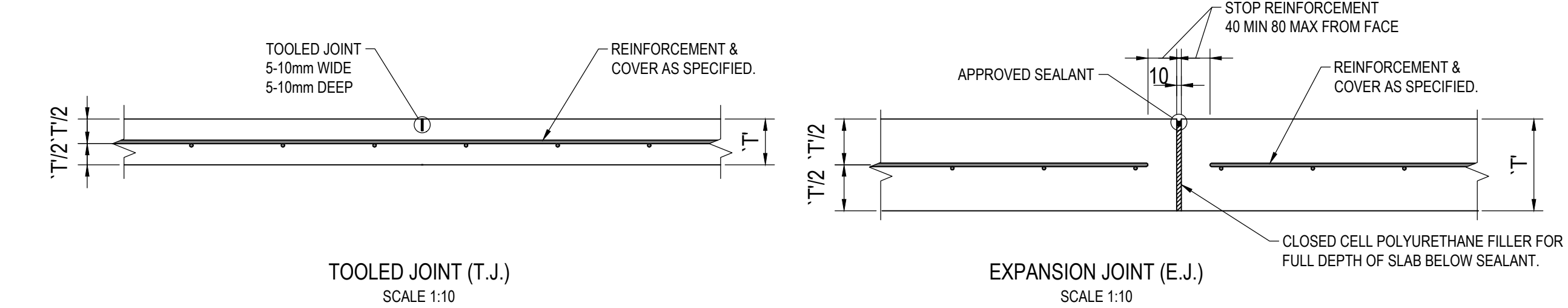
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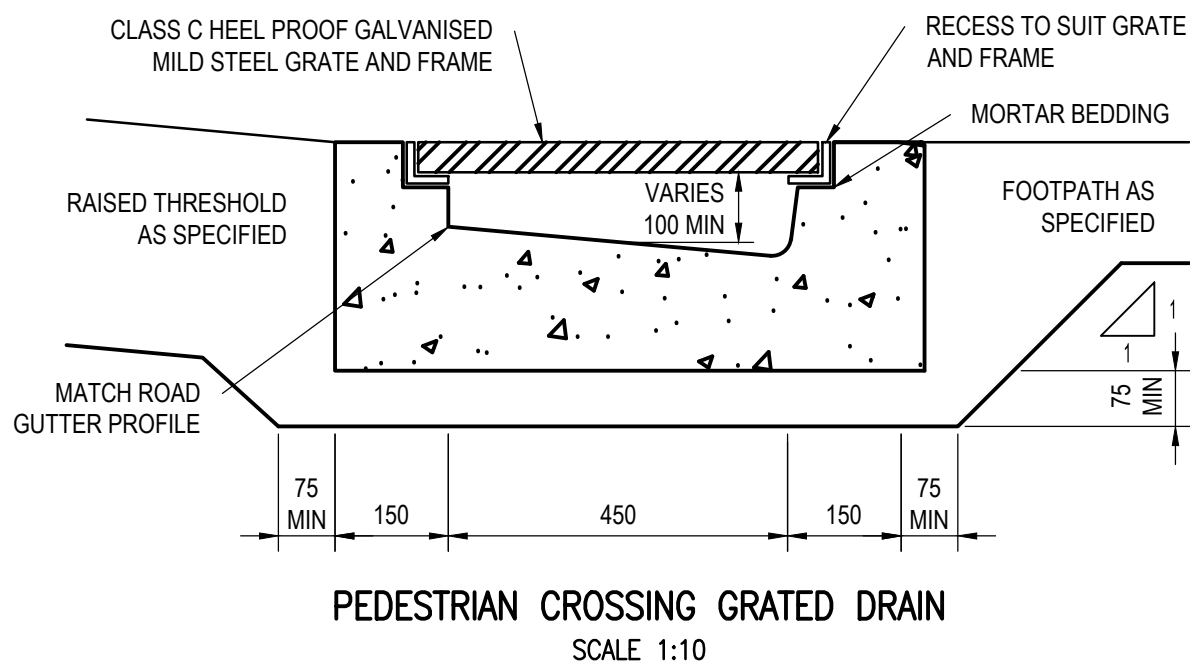
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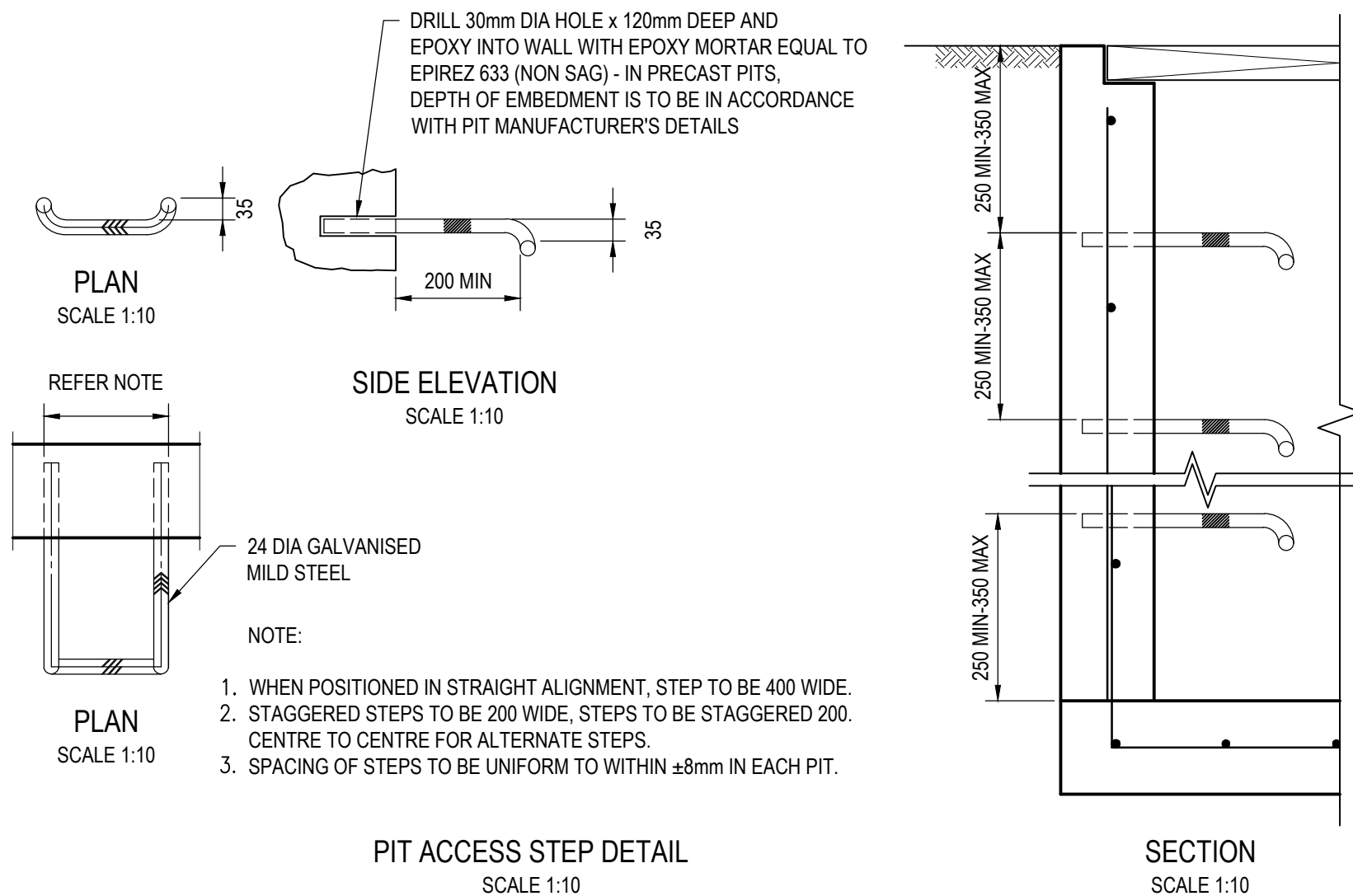
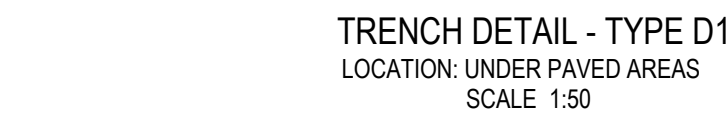
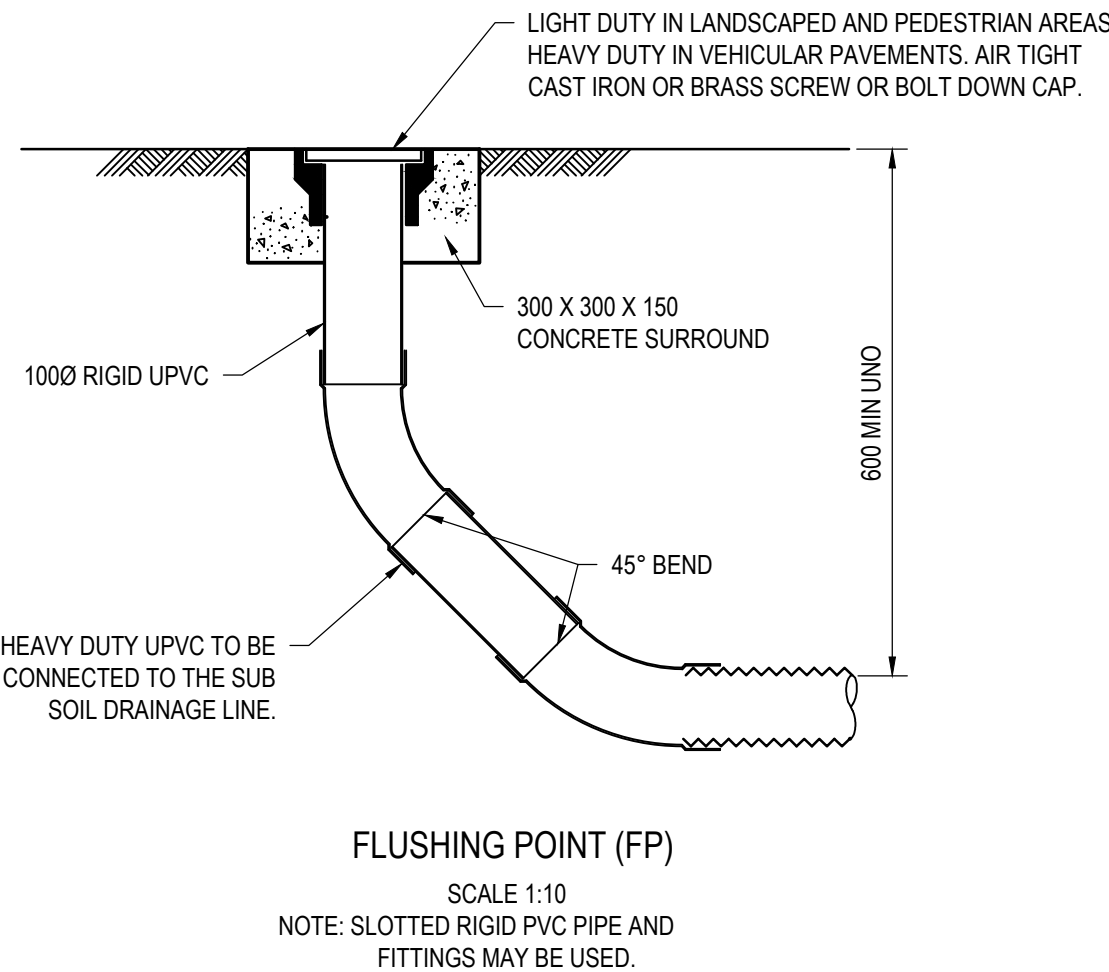


NOTES:  
1. CRACK INDUCERS ARE NOT TO BE USED.  
2. MARK POSITION OF SAW CUT ON FORMWORK. DO NOT POUR UNTIL POSITION OF MARK HAS BEEN VERIFIED FOR Q.A.



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FIRST ISSUE	DESIGN	DRAWN	CHECK	APPD.	DATE	AMENDMENT DETAILS	STATUS	SCALE AS SHOWN	CLIENT	DRAWING TITLE	PROJECT	DRAWING No.	MILESTONE	REVISION
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Regulated Design Record

Project Address:WALTER STREET, WILLOUGHBY NSW 2067

Project Title:WALTER ST DEVELOPMENT WILLOUGHBY

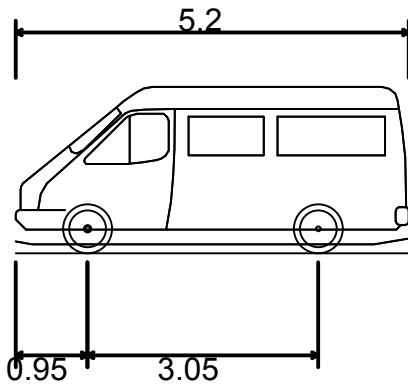
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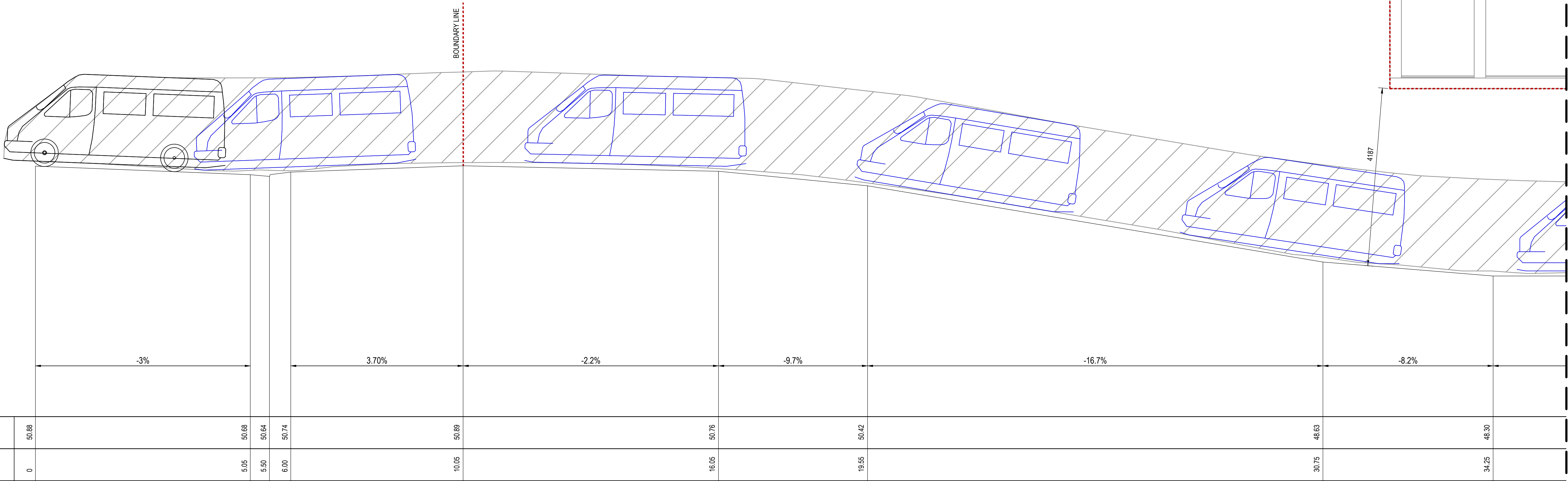
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Drawing No: C1-2-10

Rev	Date dd.mm.yy	Description	DP Full Name	Reg No



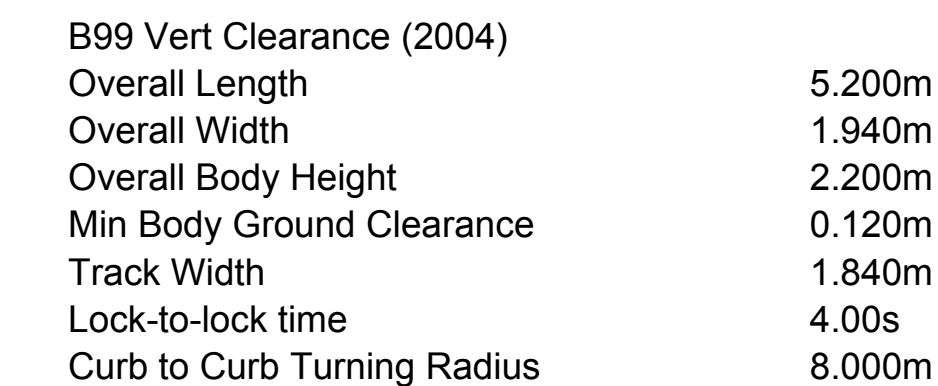
B99 Vert Clearance (2004)	
Overall Length	5.200m
Overall Width	1.940m
Overall Body Height	2.200m
Min Body Ground Clearance	0.120m
Track Width	1.840m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m





BUILDING C BASEMENT RAMP SECTION  
SCALE 1:20

<table><thead><tr><th>FIRST ISSUE</th><th>DESIGN</th><th>DRAWN</th><th>CHECK</th><th>APPD.</th><th>DATE</th></tr></thead><tbody><tr><td>A</td><td>AM</td><td>AM</td><td>CB</td><td>CB</td><td>01/12/21</td></tr><tr><td>B</td><td>AM</td><td>AM</td><td>CB</td><td>CB</td><td>07/12/21</td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>	FIRST ISSUE	DESIGN	DRAWN	CHECK	APPD.	DATE	A	AM	AM	CB	CB	01/12/21	B	AM	AM	CB	CB	07/12/21																																					<table><thead><tr><th>STATUS</th></tr></thead><tbody><tr><td>FOR DEVELOPMENT APPLICATION</td></tr></tbody></table>	STATUS	FOR DEVELOPMENT APPLICATION	<table><thead><tr><th>SCALE</th></tr></thead><tbody><tr><td>AS SHOWN</td></tr></tbody></table> <div><div>00.20.40.60.81.01.21.41.6</div><div>SCALE 1:20 (A1)</div><div>SCALE 1:40 (A3)</div></div>	SCALE	AS SHOWN	<table><thead><tr><th>CLIENT</th></tr></thead><tbody><tr><td>WALTER PROJECT PTY LTD</td></tr></tbody></table>	CLIENT	WALTER PROJECT PTY LTD	<div><div></div><div>© 2021calibregroup.com</div></div>	<table><thead><tr><th>PROJECT</th></tr></thead><tbody><tr><td>WALTER ST DEVELOPMENT, WILLOUGHBY SITE 1</td></tr></tbody></table> <div><div>DISCLAIMER</div><div>ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. NOT FOR CONSTRUCTION UNLESS STAMPED BY CERTIFYING AUTHORITY</div></div>	PROJECT	WALTER ST DEVELOPMENT, WILLOUGHBY SITE 1	<table><thead><tr><th>DRAWING TITLE</th></tr></thead><tbody><tr><td>DRIVEWAY LONGITUDINAL SECTION</td></tr></tbody></table> <table><thead><tr><th>PROJECT No.</th><th>DRAWING No.</th><th>MILESTONE</th><th>REVISION</th></tr></thead><tbody><tr><td>21-000272</td><td>C1-2-10</td><td></td><td>B</td></tr></tbody></table>	DRAWING TITLE	DRIVEWAY LONGITUDINAL SECTION	PROJECT No.	DRAWING No.	MILESTONE	REVISION	21-000272	C1-2-10		B
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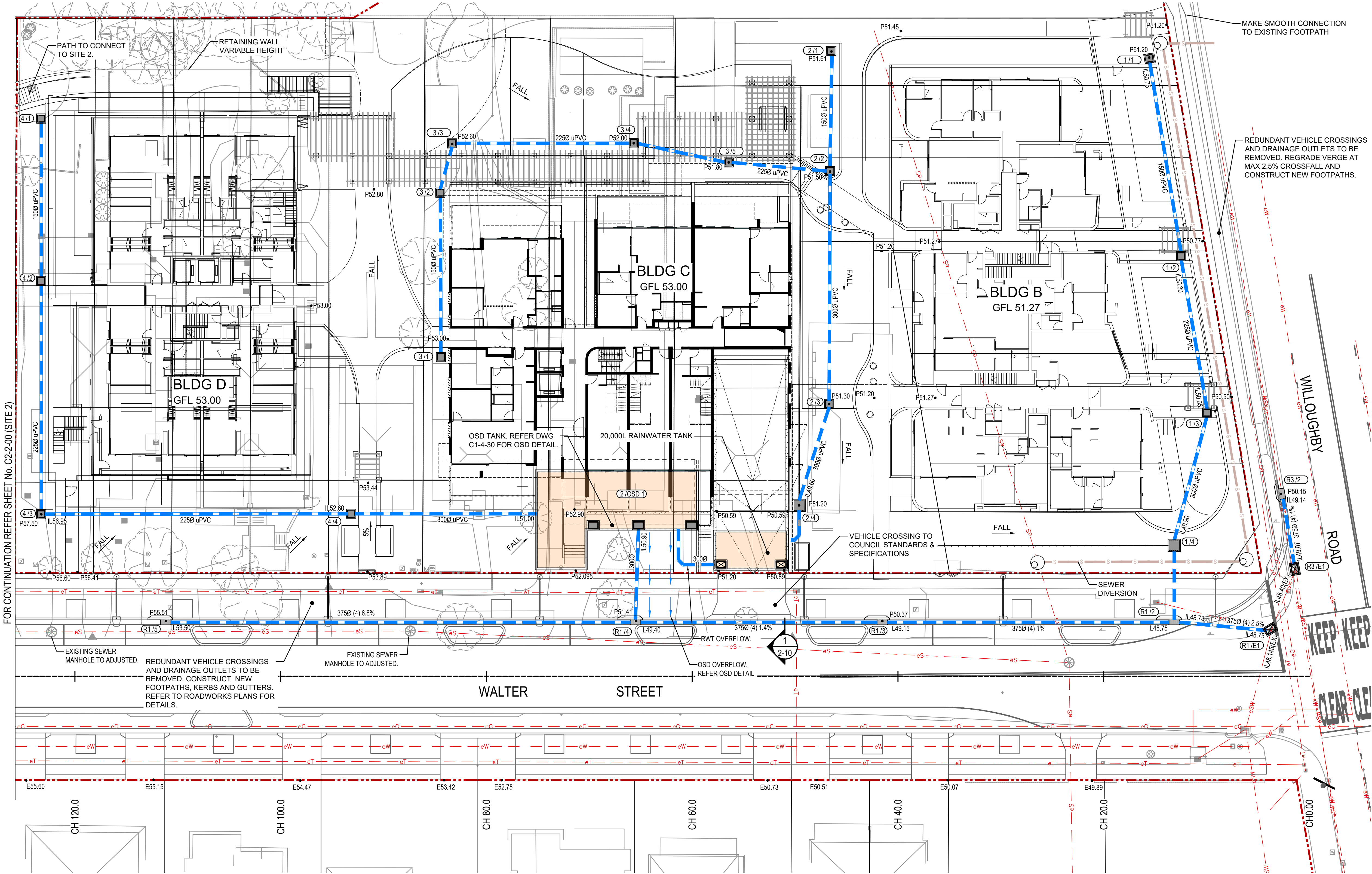
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	B	AM	CB	CB	01/12/21	ISSUED FOR DEVELOPMENT APPLICATION										
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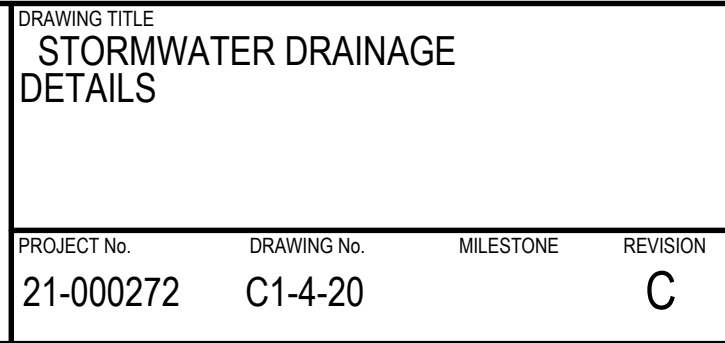
Regulated Design Record				
Project Address: WALTER STREET, WILLOUGHBY NSW 2067				
Project Title: WALTER ST DEVELOPMENT WILLOUGHBY				
Consent No: .		Body Corporate Reg No:		
Drawing Title: GENERAL ARRANGEMENT PLAN		Drawing No: C1-2-00		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No

STORMWATER PIT SCHEDULE - SITE 1			
PIT NO.	PIT SIZE	LID GRATE DETAILS	ADDITIONAL REQUIREMENTS
1/1	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
1/2	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
1/3	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
1/4	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
2/1	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
2/2	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
2/3	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
2/4	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
3/1	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
3/2	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
3/3	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
3/4	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
3/5	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
4/1	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
4/2	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
4/3	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET
4/4	600 x 600 SURFACE INLET PIT	CLASS 'B' GALVANISED HEEL PROOF GRATE	OCEAN PROTECT'S ENVIROPODS (OR APPROVED EQUIVALENT) TRASH BASKET

- NOTES:**
1. REMOVE REDUNDANT VEHICLE CROSSINGS AND DRAINAGE GUTTER OUTLETS. REINSTATE VERGES, FOOTPATHS, KERBS AND GUTTERS TO COUNCIL STANDARDS AND SPECIFICATIONS.
  2. ALL SURFACE INLET PITS TO BE FITTED WITH OCEANPROTECT ENVIROPOD (OR APPROVED EQUIVALENT) LITTER BASKET.
  3. REGRADE FOOTPATHS AT MAX. 2.5% BETWEEN THE BACK OF KERB AND BOUNDARY.
  4. REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR COURTYARD DESIGN AND LANDSCAPE FEATURES.
  5. REFER TO ROADWORKS AND PUBLIC DOMAIN PLANS FOR WORKS WITHIN THE ROAD RESERVE.
  6. INSTALL OIL AND SILT ARRESTOR UPSTREAM OF BASEMENT PUMP TANK.





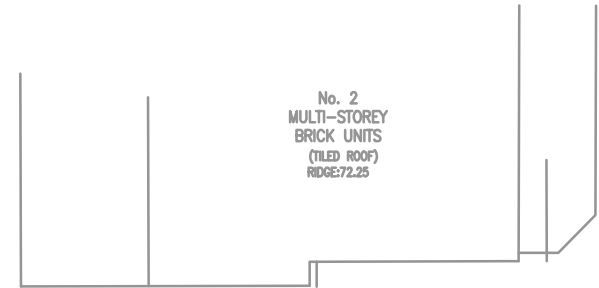
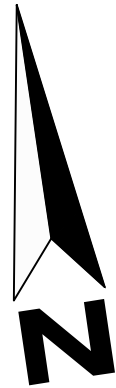








Regulated Design Record				
Project Address: WALTER STREET, WILLOUGHBY NSW 2067				
Project Title: WALTER ST DEVELOPMENT WILLOUGHBY				
Consent No: .		Body Corporate Reg No:		
Drawing Title: STORMWATER DRAINAGE OSD CATCHMENT PLAN		Drawing No: C1-4-60		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No



SITE 1 CATCHMENT  
ROOF = 2071.4m<sup>2</sup>  
IMPERVIOUS = 4095.9m<sup>2</sup> (DRAINING INTO OSD)  
PERVIOUS = 2190.1m<sup>2</sup>  
TOTAL = 6286.1m<sup>2</sup>

BYPASS CATCHMENT  
PERVIOUS - 642 m<sup>2</sup>  
IMPERVIOUS - 101 m<sup>2</sup> (BYPASSING OSD)  
TOTAL - 743 m<sup>2</sup>  
% TOTAL SITE AREA = 10.7%

LEGEND

TOTAL CATCHMENT

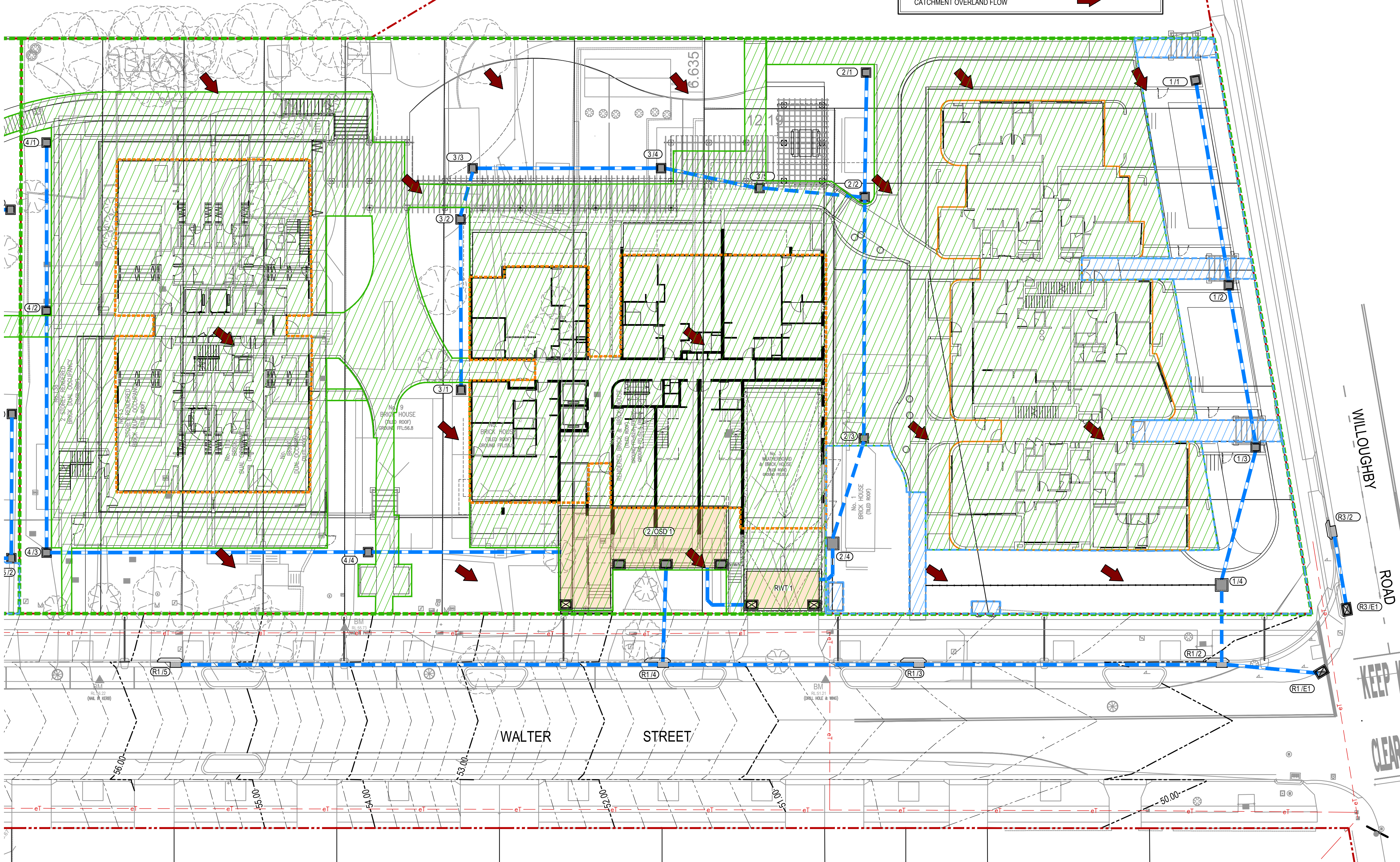
BYPASS CATCHMENT

IMPERVIOUS DRAINING INTO OSD

IMPERVIOUS BYPASSING OSD

ROOF

PRE-DEVELOPMENT CATCHMENT OVERLAND FLOW



KEEP CLEAR  
KEEP CLEAR

FIRST ISSUE	DESIGN	DRAWN	CHECK	APPD.	DATE	AMENDMENT DETAILS
A	AM	AM	CB	CB	26/09/21	ISSUED FOR DEVELOPMENT APPLICATION
B	AM	AM	CB	CB	13/12/21	ISSUED FOR DEVELOPMENT APPLICATION
C	AM	AM	CB	CB	15/12/21	ISSUED FOR DEVELOPMENT APPLICATION

STATUS

FOR DEVELOPMENT APPLICATION

SCALE AS SHOWN

0 2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0

SCALE 1:200 (A1)

SCALE 1:400 (A3)

CLIENT

WALTER PROJECT PTY LTD

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PROJECT

WALTER ST DEVELOPMENT, WILLOUGHBY SITE 1

DISCLAIMER  
ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. NOT FOR CONSTRUCTION UNLESS STAMPED BY CERTIFYING AUTHORITY

DRAWING TITLE

STORMWATER DRAINAGE OSD CATCHMENT PLAN

PROJECT No: 21-000272

DRAWING No: C1-4-60

MILESTONE

REVISION

C



## NOTES:

1. REMOVE REDUNDANT VEHICLE CROSSINGS AND DRAINAGE GUTTER OUTLETS. REINSTATE VERGES, FOOTPATHS, KERBS AND GUTTERS TO COUNCIL STANDARDS AND SPECIFICATIONS.
2. ALL SURFACE INLET PITS TO BE FITTED WITH OCEANPROTECT ENVIROPOD (OR APPROVED EQUIVALENT) LITTER BASKET.
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5. REFER TO ROADWORKS AND PUBLIC DOMAIN PLANS FOR WORKS WITHIN THE ROAD RESERVE.
6. INSTALL OIL AND SILT ARRESTOR UPSTREAM OF BASEMENT PUMP TANK.



FILE: \\SYDNAS01\PROJECTS\2121-1000272 - WALTER ST AND WILLOUGHBY RD, WILLOUGHBY\06\_MODEL\AUTOCAD\CIVIL\2-2-00.DWG LAST SAVED BY: ALEXANDER.MARGARIS PLOTTED: 13-DEC-21



DRAWING TITLE			
STORMWATER DRAINAGE DETAILS			
PROJECT No.	DRAWING No.	MILESTONE	REVISION
21-000272	C2-4-20		B







Regulated Design Record				
Project Address: WALTER STREET, WILLOUGHBY NSW 2067				
Project Title: WALTER ST DEVELOPMENT WILLOUGHBY				
Consent No: .		Body Corporate Reg No:		
Drawing Title: STORMWATER DRAINAGE OSD CATCHMENT PLAN		Drawing No: C2-4-60		
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No



SITE 2 CATCHMENT  
ROOF = 1427m<sup>2</sup>  
IMPERVIOUS = 2997.2m<sup>2</sup> (DRAINING INTO OSD)  
PERVIOUS = 1984.4m<sup>2</sup>  
TOTAL CATCHMENT = 4981.6m<sup>2</sup>

BYPASS CATCHMENT  
PERVIOUS - 115 m<sup>2</sup>  
IMPERVIOUS - 15 m<sup>2</sup> (BYPASSING OSD)  
TOTAL - 130 m<sup>2</sup>  
% TOTAL SITE AREA = 2.6%

LEGEND

TOTAL CATCHMENT

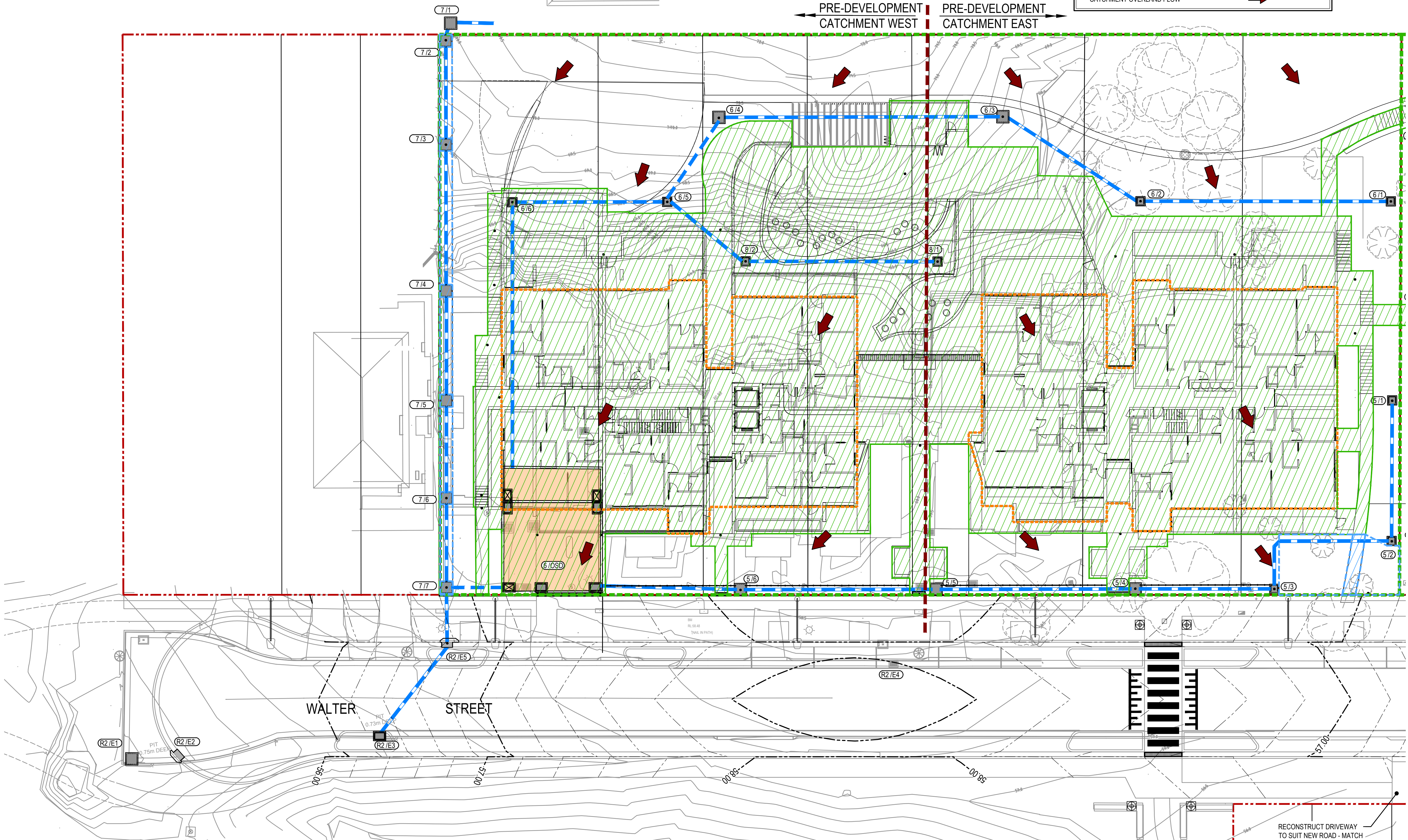
BYPASS CATCHMENT

IMPERVIOUS DRAINING INTO OSD

IMPERVIOUS BYPASSING OSD

ROOF

PRE-DEVELOPMENT CATCHMENT OVERLAND FLOW



FIRST ISSUE	DESIGN	DRAWN	CHECK	APPD.	DATE	AMENDMENT DETAILS
A	AM	AM	CB	CB	26/09/21	ISSUED FOR DEVELOPMENT APPLICATION
B	AM	AM	CB	CB	13/12/21	ISSUED FOR DEVELOPMENT APPLICATION

STATUS

FOR DEVELOPMENT APPLICATION

SCALE AS SHOWN

0 2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0

SCALE 1:200 (A1)

SCALE 1:400 (A3)

CLIENT

WALTER PROJECT PTY LTD

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PROJECT

WALTER ST DEVELOPMENT, WILLOUGHBY SITE 2

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DRAWING TITLE

STORMWATER DRAINAGE OSD CATCHMENT PLAN

PROJECT No.

21-000272

DRAWING No.

C2-4-60

MILESTONE

REVISION

B