

**LEGEND**

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- EXTENT OF HOTMIX PAVEMENT
- FOOTPATH REFER STD DETAIL SHEET, SD-205, & SD-210
- PRAM RAMP REFER STD DETAIL SD-125, SD-130, & SD-200
- EXTENT OF BLOCK FILLING AS PER SPECIFICATION
- MOUNTABLE KERB ONLY REFER STD DETAIL SHEET
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- DRIVWAY INVERT & CROSSOVER REFER STD DETAIL SHEET
- STAGE BOUNDARY
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- S EXISTING SEWER MAIN - GRAVITY
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- CONCRETE UPSTAND 150 WIDE x MAX. 300 HIGH OR CONCRETE KENSINGTON STYLE SLEEPER RETAINING WALL WITH INDICATIVE BENCH LEVEL DIFFERENCE NOMINATED. TOP OF WALL MUST BE 150mm ABOVE F.S.L & WHERE MARKED (A) 50mm ABOVE F.S.L. REFER SPECIFICATION FOR RETAINING WALL DETAIL.

**GENERAL NOTES :-**

1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ASSOCIATED DRAWINGS & CIVIL SPECIFICATION.
2. ANY DISCREPANCIES IN SETOUT OR LEVEL TO BE REPORTED TO THIS OFFICE PRIOR TO CONSTRUCTION.
3. CHAINAGES ARE ALONG NEW ROAD CENTRELINES.
4. RADII AND DIMENSIONS ARE TO FACE OF KERB.
5. ALL KERB RADII ARE AS SPECIFIED.
6. REFER TO STORMWATER PLANS FOR NETWORK DETAILS.
7. DESIGN LEVELS SHOWN THUS: WT 19.400 REFER TO WATERTABLE.
8. ROAD ALIGNMENT & DESIGN LEVELS ARE BASED ON THE SURVEY PERFORMED BY FYFE EARTH PARTNERS REF 18866T04-r2.
9. AN AUTOCAD 2D FORMAT DRAWING CAN BE SUPPLIED TO THE CIVIL CONTRACTOR UPON REQUEST FOR SET OUT OF WORKS. THE FILES WILL CONTAIN THE FOLLOWING:
  - a) EXISTING SURVEY & ASSOCIATED CONTROL. CIVIL CONTRACTOR TO LIAISE WITH ORIGINAL SURVEYOR FOR ANY QUERIES ON EXISTING SURVEY.
  - b) DESIGN LINENWORK & ASSOCIATED DESIGN SERVICES. SET OUT TO BE READ IN CONJUNCTION WITH HARDCOPY DESIGN PLANS & ALLOWANCE MUST BE MADE FOR FILE CONVERSION.
10. HOUSE KERB OUTLETS (KERB OUTLETS) ARE TO BE PROVIDED IN A KERB LOW SIDE OF EACH ALLOTMENT POSITIONED 0.5m FROM THE SIDE BOUNDARY.
11. STORMWATER PIPE DEFLECTIONS SHOWN ARE INDICATIVE ONLY. CONTRACTOR NOT TO EXCEED PIPE MANUFACTURERS SPECIFICATION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING DURING CONSTRUCTION:
  - a) PRESERVATION AND CARE OF EXISTING TREES/VEGETATION ALONG COUNCIL RESERVE AND WHERE INDICATED.
  - b) REINSTATEMENT OF EXISTING DRIVEWAYS, STORMWATER CROSSINGS, VERGE, ETC. TO COUNCIL AND SUPERINTENDENTS SATISFACTION.
  - c) ANY DAMAGE TO EXISTING UNDERGROUND INFRASTRUCTURE CAUSED DURING THE CONTRACT.
13. ALL INTERFACES WITH NEW WORKS ARE TO BE SAWCUT.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC MANAGEMENT FOR THE DURATION OF THE CONTRACT WORKS. MINIMUM DISRUPTION IS ESSENTIAL & A TRAFFIC PLAN MUST BE SUBMITTED TO COUNCIL FOR APPROVAL.
15. ALL SIGNAGE & LINEMARKING TO BE INSTALLED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE ROAD TRAFFIC ACT & THE REQUIREMENTS FOR TRAFFIC CONTROL DEVICES. REFER AS1742.2-CURRENT EDITION, TRAFFIC CONTROL DEVICES TO BE INSTALLED IN ACCORDANCE WITH AS 1742 - 'MANUAL OF UNIFORM TRAFFIC CONTROL SET' AS MODIFIED BY THE DPTI 'MANUAL OF LEGAL RESPONSIBILITIES AND TECHNICAL REQUIREMENTS FOR TRAFFIC CONTROL DEVICES' IN CONJUNCTION WITH THE DPTI 'PAVEMENT MARKING MANUAL'.
16. RETAINING WALLS - THE CONTRACTOR MUST ENSURE THE INTEGRITY & CARE OF RETAINING WALLS AT ALL TIMES DURING THE CONSTRUCTION PHASE. ALTERNATIVE COMPACTION METHODS MAY BE REQUIRED IN THE VICINITY OF WALLS IN PARTICULAR DURING THE CONSTRUCTION FOR REAR OF ALLOTMENT DRAINS. ANY DAMAGE OR BOWED SLEEPERS MUST BE REMOVED & REPLACED PRIOR TO PRACTICAL COMPLETION. RETAINING WALL CONTRACTOR TO VERIFY INDICATIVE HEIGHTS PRIOR TO CONSTRUCTION. CONTRACTOR TO MAKE ALLOWANCE FOR REMOVAL OF EXISTING FENCING & REINSTATEMENT OF NEW INCLUDING THE USE OF TEMPORARY FENCING AS REQUIRED. RETAINING WALLS ADJACENT EXISTING RESIDENTIAL, ROAD RESERVE, OR RESERVE TO BE FULLY CONTAINED WITHIN NEW RESIDENTIAL ALLOTMENT. THE CIVIL CONTRACTOR IS TO ENSURE ALL TOPSTONES & SERVICES ARE RAISED WHERE NECESSARY TO EARTHWORKS LEVELS INDICATED. ALL RETAINING WALLS SLEEPERS TO BE KENSINGTON STYLE.
17. CONTRACTOR TO MAKE ALLOWANCE FOR REMOVAL OF ALL EXISTING TREES, SHRUBS, FENCING, UNDERGROUND SERVICES & BUILDING MATERIALS OFFSITE TO PROVIDE A CLEAR & UNOBSTRUCTED ALLOTMENTS EXCEPT WHERE INDICATED. ANY BACKFILLING TO BE REMEDIATED AS PER BLOCK FILL SPECIFICATION. ALL NECESSARY APPROVALS TO BE GRANTED PRIOR TO DEMOLITION. REFER ARBORIST REPORT FOR ADDITIONAL INFORMATION ON SITE MANAGEMENT AND PROTECTION MEASURE OF SIGNIFICANT TREES INDICATED.
18. THE CIVIL CONTRACTOR MUST HYDRO SEED ALL ALLOTMENTS, VERGE & DISTURBED AREAS PRIOR TO PRACTICAL COMPLETION. CONFIRMATION OF EXTENTS TO BE ADVISED FROM SUPERINTENDENT & DEVELOPER PRIOR TO APPLICATION.
19. THE CIVIL CONTRACTOR MUST LIAISE WITH ADJACENT RESIDENTS PRIOR TO CONSTRUCTION.
20. PRIOR TO THE START OF CIVIL CONSTRUCTION WORKS. THE CIVIL CONTRACTOR IS TO PROVIDE A DILAPIDATION REPORT FOR ABUTTING DWELLINGS, AND COUNCIL ROAD RESERVES TO BE USED DURING THE CIVIL CONTRACT
21. ANY FENCING REQUIRED FOR REMOVAL DURING THE CONTRACT MUST HAVE TEMPORARY FENCING ERRECTED AND MAINTAINED UNTIL NEW FENCING IS ERRECTED BY THE CONTRACTOR OR CLIENT.
22. IT IS THE RESPONSIBILITY OF THE CIVIL CONTRACTOR TO PROVIDE THE APPROPRIATE SIGNAGE AND FENCING TO ENSURE A SAFE WORK ENVIRONMENT FOR CONTRACTORS AND THE GENERAL PUBLIC.
23. AT ALL PROPOSED SAPN SERVICE PILLAR LOCATIONS, WHERE THE FINISHED GROUND LEVEL WILL BE STEEPER THAN 1 IN 8 GRADIENT, THE CIVIL CONTRACTOR MUST PREPARE A MINIMUM 1m x 1m 'SAFE OPERATING WORKING ZONE' AT THE REAR & OPEN SIDE FROM THE SERVICE PILLAR EDGE, PRIOR TO BATTER OR RETAINING STRUCTURE. REFER TO TS-085 CLAUSE 7.6 & THE APPROVED ELECTRICAL DESIGN DOCUMENTS.
24. 50mm CONDUIT TO BE PLACED UNDER FOOTPATH FOR EACH ALLOTMENT GENERALLY CENTRAL. REFER DETAIL SHEET.

**SPECIFICATION FOR BLOCK FILLING**

STRIP VEGETATION/TREES FROM ENTIRE AREA TO BE FILLED & REMOVE OFFSITE. (EXCEPT TREES INDICATED)

ENSURE ALL TREE ROOTS ARE REMOVED TO A MIN. 600mm BELOW EXISTING SURFACE.

STRIP AND STOCKPILE TOPSOIL FOR FUTURE REUSE.

STRIP ANY EXISTING FILLING & STOCKPILE FOR RE-USE.

THE GITA & SUPERINTENDENT IS TO INSPECT THE EXPOSED NATURAL SURFACE AFTER STRIPPING AND INSPECT THE COMPACTED NATURAL SURFACE, PRIOR TO PLACEMENT OF REQUIRED FILLING. PROOF ROLLING WITH A FILLED WATER CART SHALL BE REQUIRED.

THE NATURAL GROUND SURFACE EXPOSED AFTER STRIPPING SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD DRY DENSITY TO AS1289.5.1.1 TO A DEPTH OF NOT LESS THAN 150 mm. THIS MAY REQUIRE ADDITIONAL WORK SUCH AS RIPPING AND WATERING, FOR EXAMPLE PRIOR TO ROLLING.

WHERE FILLING ABUTS SLOPING GROUND, BENCHES SHOULD BE CUT IN THE GROUND GREATER THAN 1 IN 8 SLOPE TO ASSIST PLACING THE FILL, AND TO KEY INTO THE NATURAL FOUNDATION. THE BENCHES SHOULD BE SHAPED TO PROVIDE FREE DRAINAGE. THE DEPTH OF BENCH SHOULD BE NOT LESS 300mm; HOWEVER, IT MAY VARY DEPENDING ON THE NATURAL SLOPE OF THE GROUND, THE NATURE, AND THE EQUIPMENT BEING USED. DIRECTION FROM THE GITA IS ESSENTIAL FOR CERTIFICATION.

THE CIVIL CONTRACTOR IS RESPONSIBLE FOR PROCESSING & SORTING ALL FILL MATERIALS TO ENSURE THEY ARE FREE FROM ALL RUBBISH. NO FILL WILL BE ACCEPTED AS 'CLEAN' FILL IF IT CONTAINS FOREIGN MATERIALS.

BUILD UP TO FINISHED SURFACE LEVELS AS SHOWN ON THIS SHEET IN 200mm LOOSE LAYER USING SELECTED SOIL FROM THE SITE & APPROVED MATERIAL, FREE FROM STONE OR LUMPS GREATER THAN 150mm AND PLACED AT O.M.C. ± 2%. NO HIGHLY REACTIVE CLAYS SHALL BE ACCEPTED BY THE SUPERINTENDENT. ANY PLACEMENT OF FILLING TO STOP WITHIN 100mm OF FINISHED LEVEL INDICATED, TO ALLOW FOR 100mm LAYER OF TOPSOIL. THE CONTRACTOR SHALL TAKE PARTICULAR CARE AND USE APPROPRIATE STATIC DRUM ROLLERS NEAR EXISTING FENCE LINES TO PROTECT ADJACENT RESIDENCES.

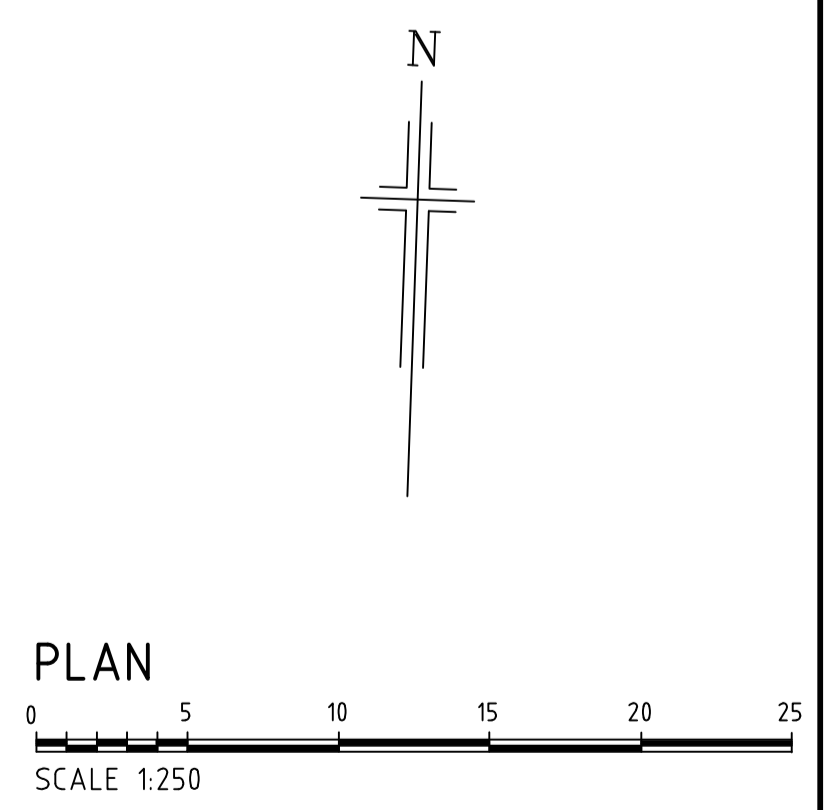
GENERALLY COMPACTION TESTING IS TO BE CARRIED OUT BY THE GITA. IN ACCORDANCE WITH LEVEL 1 OF SECTION 8 OF AS3798-2007 (CURRENT EDITION). THE LOCATION OF THE TEST IS TO BE AT THE DISCRETION OF THE GITA. BUT GENERALLY ONE TEST PER LAYER PER 1000m<sup>2</sup> WITH A MINIMUM OF THREE TESTS PER VISIT. COMPACTION IS TO ACHIEVE 95% STANDARD TO AS1289.5.1.1 ON A 'NOT ONE TO FAIL' BASIS. THE LOCATION, TEST NUMBER, AND RELATIVE LEVEL OF EACH TEST TO BE RECORDED, BY THE GITA, ON THIS PLAN SUPPLIED BY THE CONTRACTOR.

A COMPACTION TEST IS TO BE TAKEN ON ALL ALLOTMENTS AT FINISHED LEVEL, ADDITIONAL TO ANY TESTING PREVIOUSLY MENTIONED.

FILLING SURFACE IS TO BE FINISHED AT +/- 25mm FROM DESIGN LEVELS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE GITA. WHEN THE WORKS ARE READY FOR TESTING GIVING A MINIMUM OF 12 HOURS NOTICE. THE CONTRACTOR SHALL PAY FOR FAILED TESTS.

ALL FILL BATTERS NOT HATCHED SHALL BE CONTROLLED FILLED. GITA TO DOCUMENT EXTENT WITHIN CERTIFICATION DOCUMENTATION.



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 ALL TRENCHING TO BE REINSTATED TO THE SATISFACTION OF THE RELEVANT AUTHORITIES.

**Herriot consulting**  
 civil & structural engineers

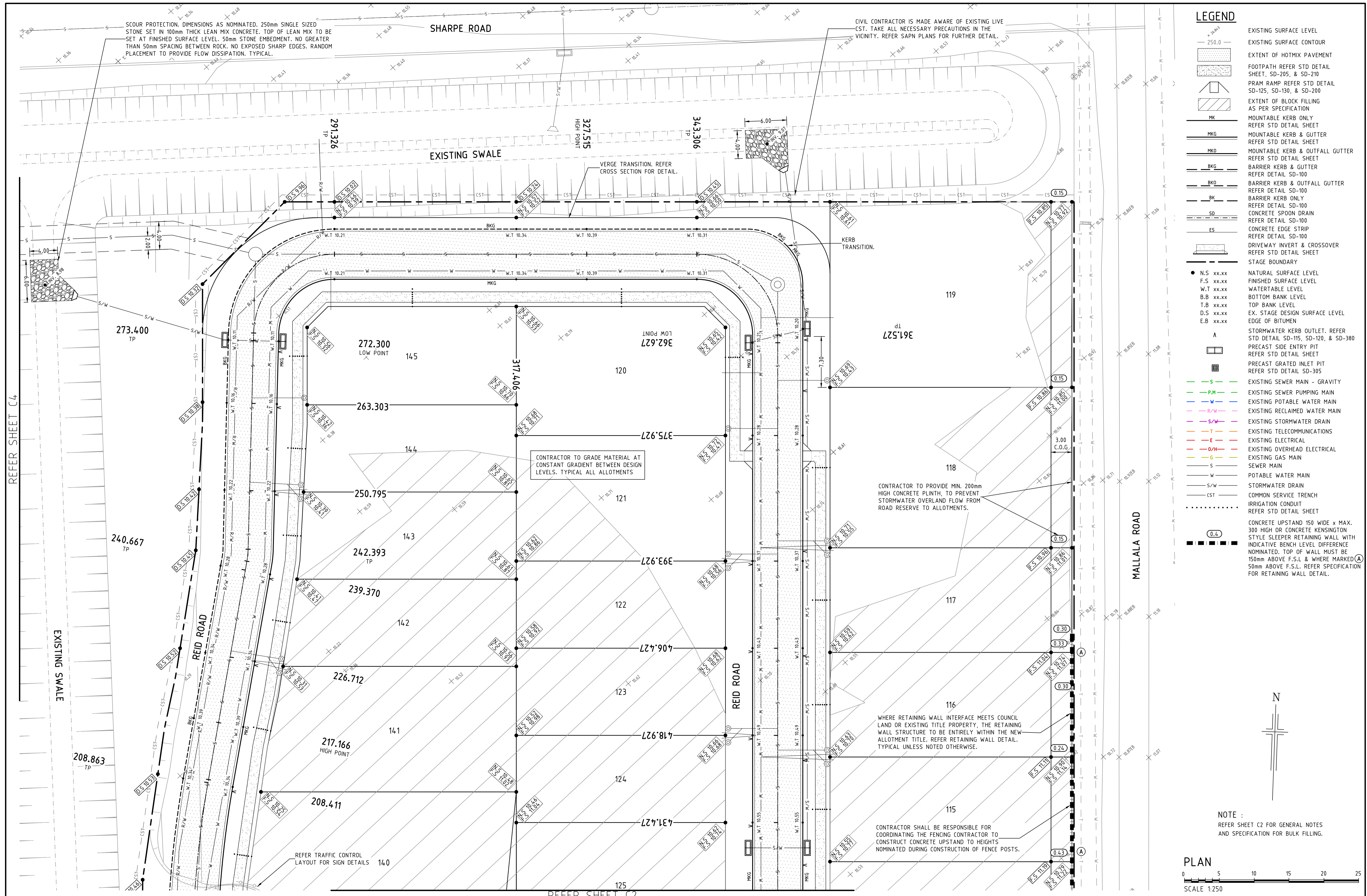
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NO.	REVISION	BY	DATE
C	COUNCIL AMENDMENT	JT	21/12/21
B	ISSUED FOR APPROVAL	JT	29/11/21
A	ISSUED FOR CLIENT REVIEW	BJB	03/09/21

DRAWN	BJB
DESIGNED	BJB
CHECKED	JT
SHEET SIZE	A1

SCALE	1:250
DATE	/ / 2021

PREPARED FOR	HICKINBOTHAM DEVELOPMENTS PTY LTD
	LIBERTY ESTATE STAGE 6, TWO WELLS
	D.N 312/D001/14
	GENERAL CONSTRUCTION PLAN
DATE OF ISSUE	SEPTEMBER 2021
FILE No.	2105-070
SHEET	C2
Rev.	C



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**NOTE :**  
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**PLAN**  
SCALE 1:250

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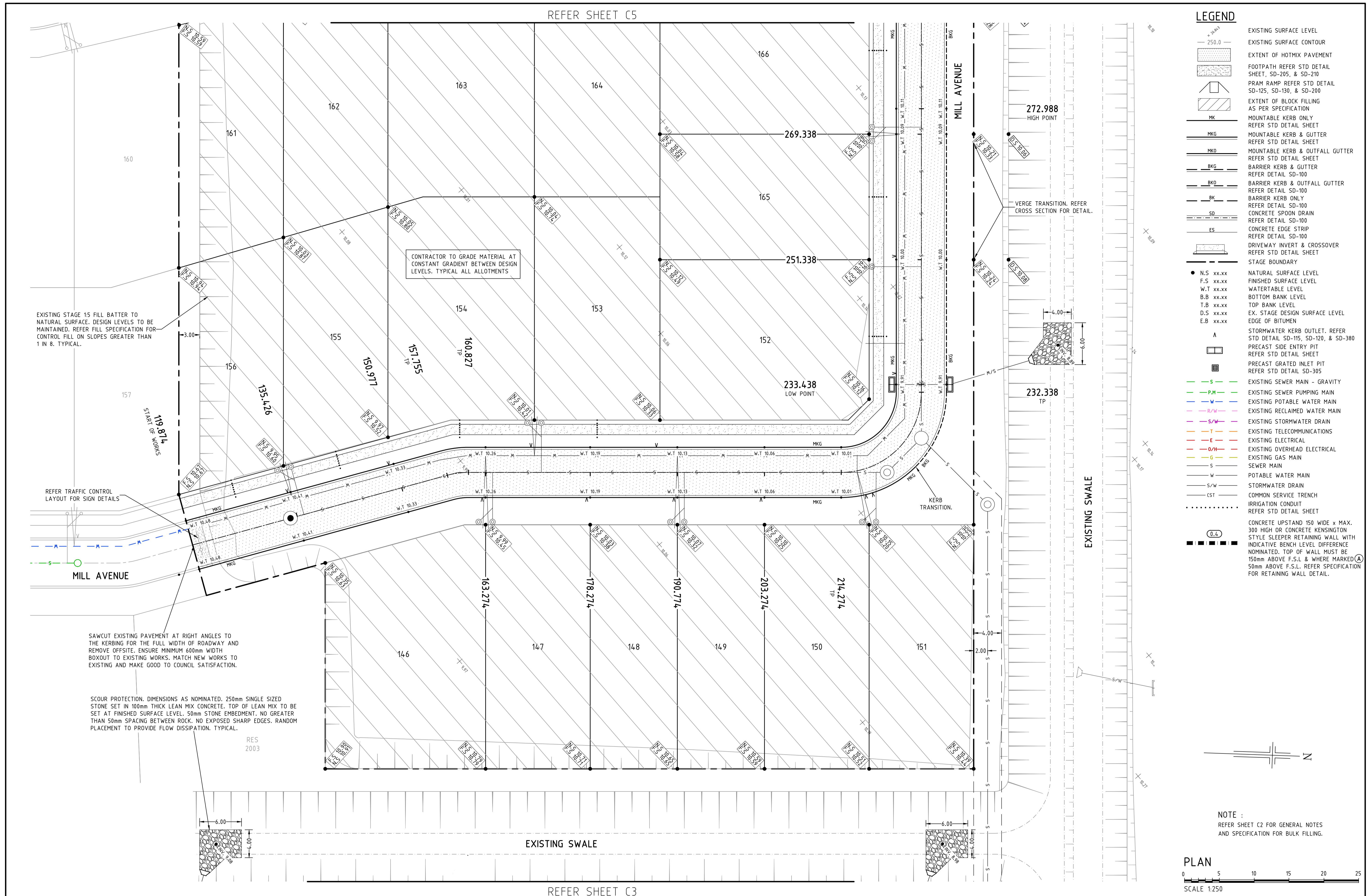
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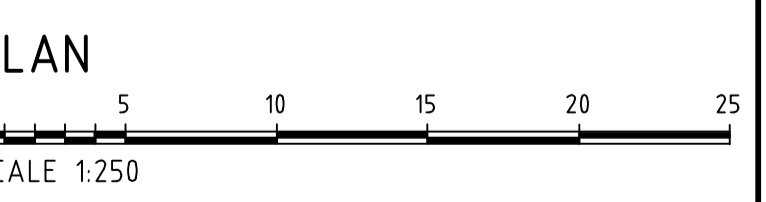
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PREPARED FOR  
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LIBERTY ESTATE STAGE 6, TWO WELLS  
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GENERAL CONSTRUCTION PLAN

DATE OF ISSUE	SEPTEMBER 2021
FILE No.	2105-070
SHEET	C3
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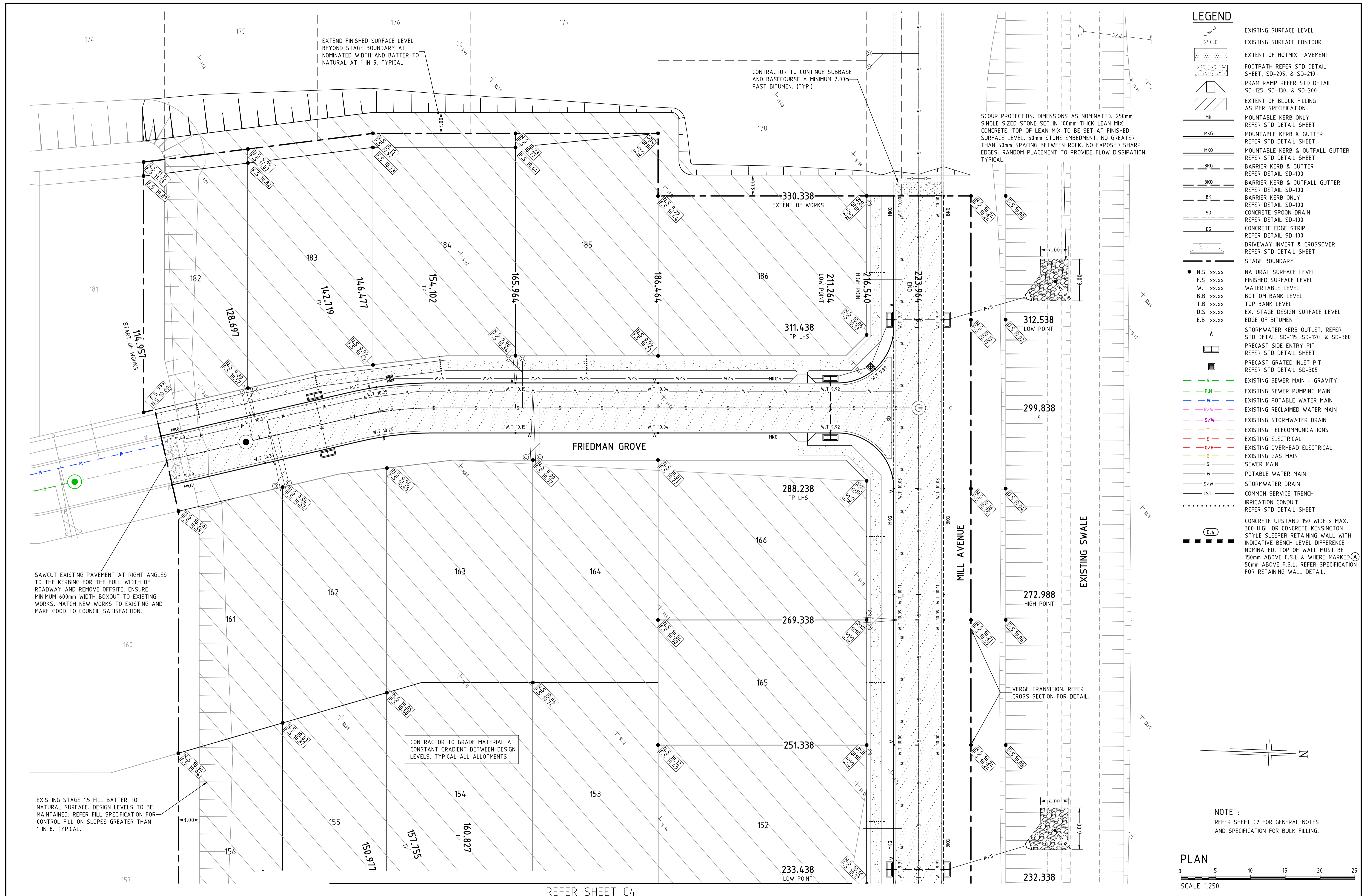
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DESIGNED *BJB*  
CHECKED *JT*  
SHEET SIZE **A1**  
DATE / / 2021

SCALE **1:250**  
PREPARED FOR **HICKINBOTHAM DEVELOPMENTS PTY LTD**  
**LIBERTY ESTATE STAGE 6, TWO WELLS**  
D.N 312/D001/14  
**GENERAL CONSTRUCTION PLAN**

DATE OF ISSUE **SEPTEMBER 2021**  
FILE No. **2105-070**  
SHEET **C4** Rev. **C**



**LEGEND**

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