



- GENERAL SAFETY NOTES**
- WHERE THE CURB (ROAD BASE) HAS BEEN USED AS A TEMPORARY RUNNING SURFACE DURING THE CONTRACT IT SHALL BE THOROUGHLY CLEANED AND POWER WASHED AS NECESSARY AFTER OPENING AND IMMEDIATELY BEFORE THE BRICK COURSE IS LAYED. A THICK COAT OF BRICKS EMULSION GLASS AT A DRY MIX TO SLUSH SHALL BE APPLIED AT A RATE OF 0.25 L/SQ METER.
  - ALL PAVED AREAS WITH HANDLES OF CURB LEVELS SHALL BE FORMED WITH PROPRIETARY RADIUS CURBS.
- HEALTH & SAFETY**
- CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.
  - CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE.
  - THE TIME THAT EXCAVATIONS ARE OPEN ON SITE SHOULD BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SURROUNDED BY A BARRIER.
  - CONNECTIONS TO EXISTING SERVICES TO BE MADE BY APPROVED CONTRACTOR ONLY.
  - CONTRACTOR TO MAKE OPERATIVES AWARE OF ASSOCIATED DANGERS TO HEALTH SUCH AS LEFT EXPOSED WELLS, DEBRIS AND RECOMMENDED PRECAUTIONS. ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.
  - UNARMED HANDLES MUST BE COVERED WITH LOG BARRING MATERIALS AND SURROUNDED WITH BARRIERS.
- FIRE & LABELS**
- CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORKS COMMENCING.
  - SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY.
- EXCAVATION**
- CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM EXCAVATIONS DURING THE WORKS.
  - CONTRACTOR TO ENSURE THAT PRECAUTIONS ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHERE NECESSARY.
  - CONTRACTOR TO REFER TO GEOTECHNICAL INVESTIGATION REPORT FOR CONFORMANCE TESTS AND TO PROVIDE ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.



**CUT & FILL TRIANGULATION SURFACE NOTES**

- THE NET CUT AND FILL DEPTHS & VOLUMES ABOVE HAVE BEEN TAKEN FROM A DIRECT COMPARISON BETWEEN THE PROPOSED FINISHED LEVELS & LATEST TOPOGRAPHICAL SURVEY DATA RECEIVED.
- NO ALLOWANCE HAS BEEN MADE IN THE NET VOLUME FOR THE FOLLOWING:
  - IMPORTED TOP SOIL
  - ARISINGS FROM DRAINAGE & FOUNDATION EXCAVATIONS
  - VOIDS UNDER SUSPENDED SLABS
  - SOIL BULKING FACTOR
  - SITE CLEAN MATERIAL
- THE PROPOSED FINISHED LEVELS ARE INDICATIVE ONLY AND ARE SUBJECT TO DETAILED DESIGN.

SURFACE LEVEL DATA					
NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOR	VOLUME m3	
1	-0.43	0.00	Red	751.88	93.34
2	0.00	0.50	Yellow	4393.17	2944.24
3	0.50	1.00	Light Green	2988.60	948.64
4	1.00	1.50	Dark Green	732.54	98.85
5	1.50	1.62	Dark Green	6.06	0.24

CUT VOLUME = 93.236m<sup>3</sup>  
 FILL VOLUME = 3991.971m<sup>3</sup>  
 NET VOLUME = 3898.735m<sup>3</sup> (FILL)

RETAINER OR RE-GRADING OR EXISTING CARRIAGEWAY WIDTH REDUCED TO 4.8M REQUIRED TO REAR OF PLOT RISE DUE TO LEVEL DIFFERENCE.

PROPOSED FOOTWAY TO TIE INTO EXISTING.  
 PROPOSED SERVICE STRIP TO TIE INTO EXISTING FOOTWAY.

PROPOSED LEVELS TO BATTER BACK TO EXISTING GROUND LEVEL AT A GRADIENT OF 1:3.

- DESIGN NOTES**
- ALL WORKS TO COMPLY WITH CURRENT VERSION OF THE FOLLOWING DOCUMENTS:
    - DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB)
    - SPECIFICATION FOR HIGHWAY WORKS (SHW)
    - LOCAL AUTHORITY DESIGN GUIDE AND SPECIFICATION
  - PRIOR TO COMMENCING WORKS THE CONTRACTOR SHOULD INVESTIGATE AND LOCATE ALL SERVICES AND UTILITIES UNDER EXISTING FACILITIES WITHIN THE NEW ACCESS AND DRAINAGE REQUIREMENTS FOR LOCAL AUTHORITY APPROVAL AND PROTECTION WITH THE RELEVANT UTILITY AGENTS.
  - ALL SERVICES WITHIN THE FIELD OF WORK MUST BE TESTED TO CONFIRM THEIR DEPTH AND LOCATION PRIOR TO ANY EXCAVATION WORKS.
  - CONTRACTOR TO APPLY FOR ROAD CLOSING NOTICES ETC AS REQUIRED.
  - CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORKS COMMENCING.
  - CONTRACTOR TO OBTAIN ALL SERVICE RECORDS PRIOR TO WORKS COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY.
  - PROPOSED LEVELS HAVE BEEN BASED ON THE EXISTING TOPOGRAPHICAL SURVEY NUMBER AND RECORDS BY THE SURVEYOR DATED 15/01/2019.
  - PROPOSED DRAWING BASED ON LATEST ARCHITECTURAL LAYOUT RECEIVED.
  - SLOPES GREATER THAN 1 IN 5 MAY REQUIRE STABILISATION. GEOTECHNICAL ENGINEERS TO BE CONTACTED TO CONFIRM REQUIREMENTS.

**SUBJECT TO LOCAL AUTHORITY & WATER AUTHORITY APPROVAL**

NO	REVISION	DATE	BY
10000	REVISED TO SLIT NEW LAYOUT & AMENDED LEVELS	AE	RWD
13000	REVISED TO SLIT SERVICE STRIP	AE	RWD
14000	REVISED TO SLIT DETAIL DESIGN	AE	RWD
15000	REVISED TO SLIT NEW LAYOUT & AMENDED LEVELS	AE	RWD
12019	REVISED TO SLIT NEW LAYOUT & AMENDED LEVELS	AE	RWD
30019	REVISED TO SLIT NEW LAYOUT & AMENDED LEVELS	AE	RWD
10019	FIRST ISSUE	JS	AE

Dep Date: \_\_\_\_\_

INFORMATION

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**RWO**  
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Client: GLEESON HOMES

Project: FELL VIEW DRIVE, EGREMONT

Title: CUT & FILL DIRECT COMPARISON

DO NOT SCALE	Scale @ A2: 1:200	Drawn: JS	Checked: AE	Date: 31/01/19
Job No: 18184	Dep No: D600	Rev: 7		