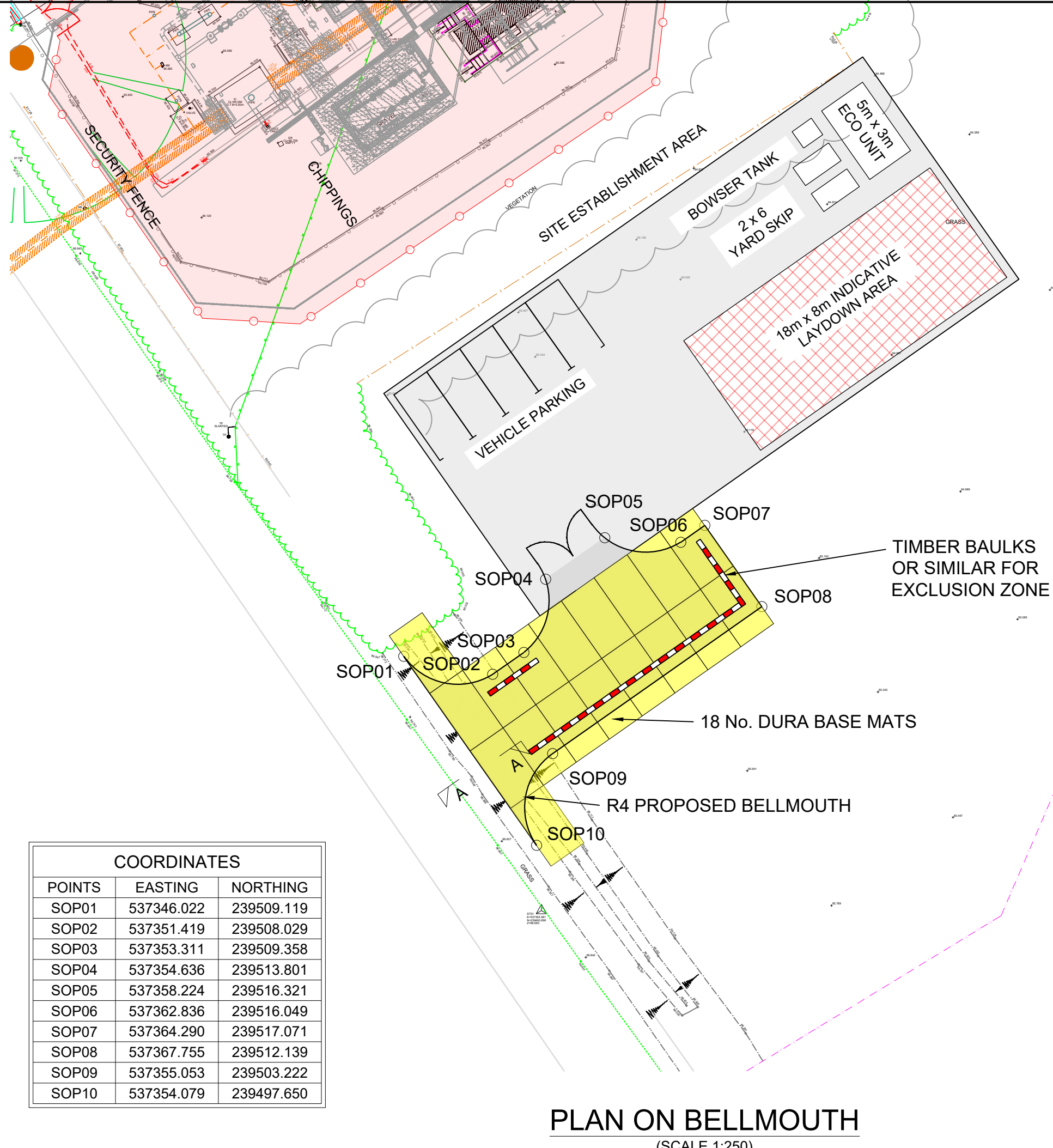




COORDINATES		
POINTS	EASTING	NORTHING
SOP01	537346.022	239509.119
SOP02	537351.419	239508.029
SOP03	537353.311	239509.358
SOP04	537354.636	239513.801
SOP05	537358.224	239516.321
SOP06	537362.836	239516.049
SOP07	537364.290	239517.071
SOP08	537367.755	239512.139
SOP09	537355.053	239503.222
SOP10	537354.079	239497.650

- NOTES:
- LEVELS IN mOD AND DIMENSIONS IN MILLIMETRES WHERE SHOWN.
 - IF IN DOUBT, ASK.
 - BASIS OF DESIGN:
 - TRAFFIC -20,000 STANDARD AXLE PASSES WITH A MINIMUM AXLE LOAD OF 12t
 - TRIAL HOLES AND IN SITU TESTING TO CONFIRM GROUND CONDITIONS
 - ALL VEGETATION WITHIN AREAS OF THE VISIBILITY SPY TO BE TRIMMED AND MAINTAINED TO A HEIGHT BELOW 1.2m TO ENSURE SUFFICIENT VISIBILITY.
 - INDICATED LEGAL SPEED LIMIT FOR TIMBERLAND DROVE
 - BELLMOUTH STONE:
 - STONE OR DURABASE MATS TO BE LAID ABOVE TOP SOIL. STONE THICKNESS AS PER TABLE 1 OR 2 (DEPENDING ON SITE TEAM'S PREFERRED BELLMOUTH CONSTRUCTION)
 - STONE TO BE USED BELOW DURABASE MATS TO ALLOW MAKE UP LEVEL OF BELLMOUTH
 - GEOTEXTILE AND GEOGRID
 - INSTALLATION, JOINTS, LAPS ETC., TO BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - WOVEN OR NON-WOVEN GEOTEXTILE TO BE PLACED ON FORMATION.
 - GEOGRID TO BE AS PER TABLE 1.
 - SUITABLE ALTERNATIVE MATERIALS MAY BE USED WITH MAE DO APPROVAL.
 - TYPE 1 GRANULAR FILL TO BE PLACED AND COMPACTED TO SHW.
 - SERVICES
 - SERVICES HAVE NOT BEEN CONSIDERED AS PART OF THIS DESIGN.
 - IF SERVICES ENCOUNTERED ON SITE. THE TWC IS TO BE ADVISED. IMMEDIATELY.
 - INSPECTION
 - AREA TO BE SURVEYED AND INSPECTED BEFORE BELLMOUTH INSTALLED, RESULTS RECORDED AND A PHOTOGRAPHIC RECORD MADE.
 - INSPECTIONS CARRIED OUT, INITIALLY DAILY TO ASSESS BASELINE BEHAVIOUR AND AFTER ANY EVENT THAT MIGHT COMPROMISE THE SAFETY OR INTEGRITY OF JUNCTION AND RESULTS RECORDED.
 - ONCE BEHAVIOUR IS ESTABLISHED INTERVALS BETWEEN INSPECTIONS MAY BE ADJUSTED AT THE DISCRETION OF THE TWC.
 - REPAIR AND MAINTENANCE TO BE BASED ON RESULTS OF INSPECTIONS.
 - TRAFFIC MANAGEMENT
 - ALL TRAFFIC MANAGEMENT TO BE INSTALLED IN ACCORDANCE WITH DIT CHAPTER 8 AND SAFETY AT STREET WORKS AND ROAD WORKS CoP.
 - THE BELLMOUTH MUST BE KEPT CLEAR OF PLANT AND VEHICLES AT ALL TIMES TO ENSURE THAT ENTERING VEHICLES DO NOT HAVE TO SLOW OR STOP PARTIALLY IN THE ENTRANCE
 - DEBRIS/MUD MUST BE CLEANED OFF THE BELLMOUTH ACCESS AND JOINING ROAD AT REGULAR INTERVALS.
 - DIMENSIONS / MATERIALS OF PIPE EXTENSION SUBJECT TO DETAILED DESIGN.
 - PIPE BEDDING AND SURROUND TO BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

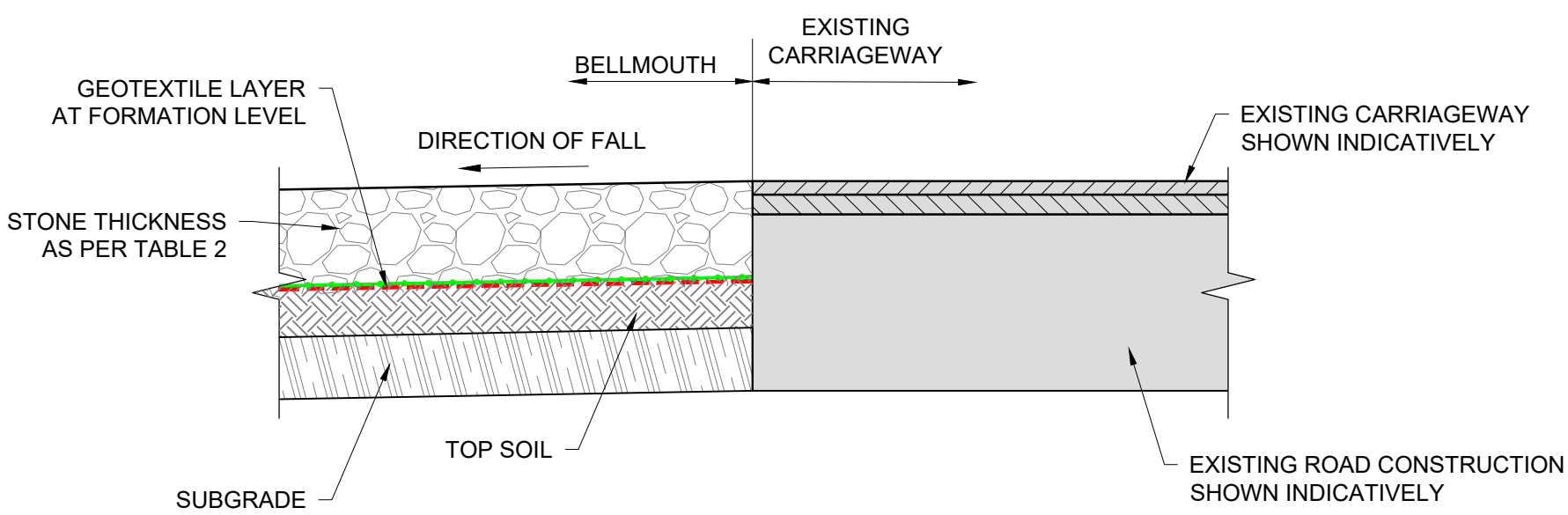
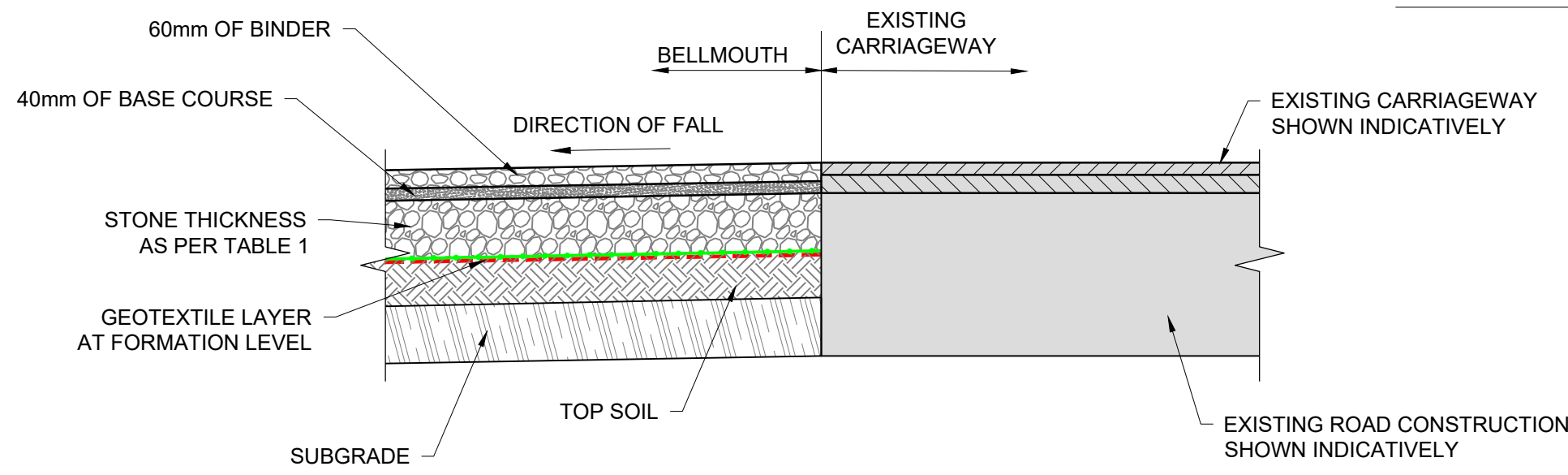
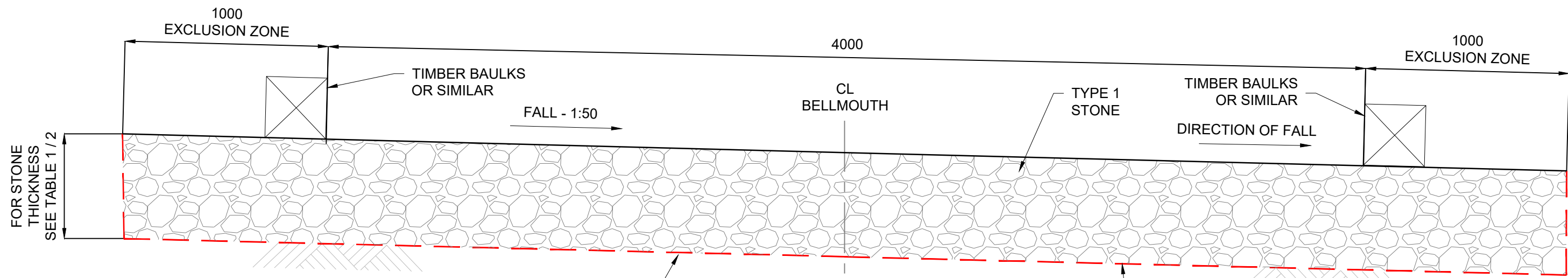
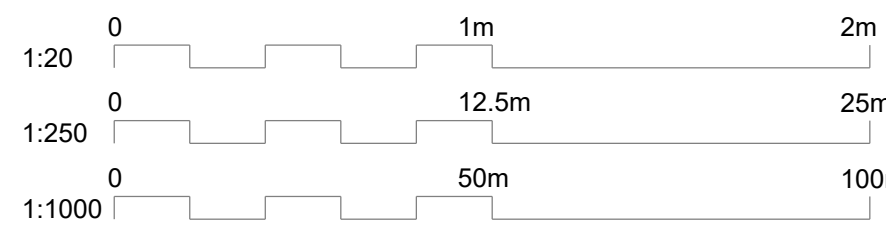


TABLE 1			
CBR	REQUIRED STONE THICKNESS (UNREINFORCED)	REQUIRED STONE THICKNESS (REINFORCED)	GEOGRID REQUIREMENTS (UNCHANGED)
0.5	60 BINDER 40 BASE 1215 STONE	60 BINDER 40 BASE 555 STONE	2 LAYERS NX850 1 @ FORMATION, 1 @ 225mm BGL
1	60 BINDER 40 BASE 785 STONE	60 BINDER 40 BASE 275 STONE	NX750 @ FORMATION LEVEL
2	60 BINDER 40 BASE 560 STONE	60 BINDER 40 BASE 240 STONE	NX750 @ FORMATION LEVEL
3	60 BINDER 40 BASE 510 STONE	60 BINDER 40 BASE 190 STONE	NX750 @ FORMATION LEVEL
≥4	60 BINDER 40 BASE 460 STONE	60 BINDER 40 BASE 150 STONE	NX750 @ FORMATION LEVEL

TABLE 2			
CBR %	REQUIRED STONE THICKNESS (UNREINFORCED)	REQUIRED STONE THICKNESS (REINFORCED)	GEOGRID REQUIREMENT
0.5	1315	655	2 LAYERS NX850 1 @ FORMATION, 1 @ 225mm BGL
1.0	885	375	NX750 @ FORMATION LEVEL
2.0	660	340	NX750 @ FORMATION LEVEL
3.0	610	290	NX750 @ FORMATION LEVEL
≥4%	560	250	NX750 @ FORMATION LEVEL



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KEY TO SYMBOLS

REV	DATE	DRN	DESCRIPTION	CHK'D	APP'D
P1	20.03.25	M.J.	PRELIMINARY ISSUE		

TITLE

**CADENT METERING UPGRADE DD
ROYSTON
PLANNING DRAWING
PROPOSED BELLMOUTH**

STATUS

PRE

SECURITY

STD

SHEET 1 OF 1 SCALE 1:20, 1:250 & 1:1000 A1

DRG NO 104524-MMD-RYST-XX-PLN-M-0005

P1

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