NOTES: THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ABRI CONSTRUCTION MANAGEMENT TEAMS CONSTRUCTION SPECIFICATION.

DO NOT scale from this drawing. If in doubt ASK.
Contractors, Sub Contractors and Suppliers are to check all relevant dimensions and levels of the site and building before commencing any shop drawings or building work. Any discrepancies should be recorded to the Architect.
Where applicable this drawing is to be read in conjunction with the Consultants' drawings.
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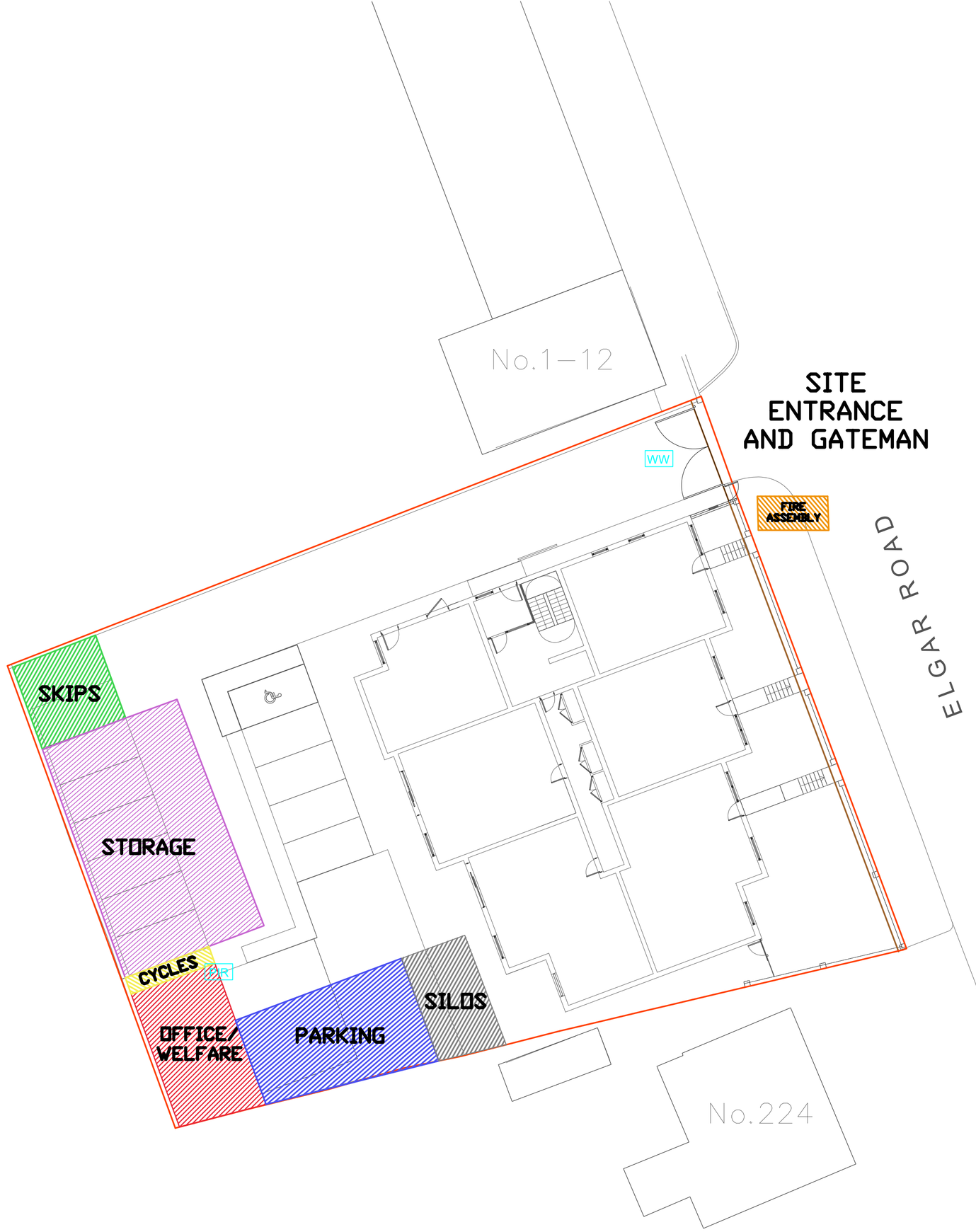

KEY

- Office & welfare
- Site parking
- Skips
- Site storage
- Fire assembly point
- Cycle Parking for Construction workers
- Site boundary
- Hoarding for security
- WW Wheel Wash Area
- LA Loading Area
- PIR PIR Security light

CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

A. SITE SUPERVISION
THIS SITE WILL BE SUPERVISED BY A SITE MANAGER AND OVERSEEN BY OUR CONTRACTS MANAGER AND HEALTH & SAFETY OFFICER

B. SITE BUILDINGS AND STORAGE
SEE SITE PLANS

C. ROUTE AND TURNING FOR SITE DELIVERIES
SEE SITE PLANS

DELIVERIES TO BE VIA ENTRANCE AND TO STORAGE AREA . BANKSMEN TO BE PRESENT FOR DELIVERIES

D. PARKING FOR VISITORS AND SITE OPERATIVES
THERE IS PARKING FOR APPROX 15 VEHICLES WHEN PARKED TANDEM. THIS IS FOR USE OF SITE MANAGER AND SUB CONTRACTORS.

NO PARKING THIS INCLUDES PLANT & NO MATERIALS ARE PERMITTED TO BE STORED ON THE PUBLIC HIGHWAY AT ANY TIMES.

E. NOISE GENERATING PLANT
MUFFLING SHOULD BE IN ACCORDANCE WITH THE RECOMMENDATIONS SET OUT IN BS 5228:1997, CODE OF PRACTICE FOR NOISE CONTROL ON CONSTRUCTION AND DEMOLITION SITES.

- COMPRESSORS WILL BE FITTED WITH PROPERLY LINED AND SEALED ACOUSTIC COVERS, WHICH WILL BE KEPT , CLOSED WHENEVER IN USE
- PNEUMATIC PERCUSSIVE TOOLS WILL BE FITTED WITH MUFFLERS OR SILENCERS OF THE TYPE RECOMMENDED BY THE MANUFACTURERS
- MACHINES IN INTERMITTENT USE WILL BE SHUT DOWN IN THE INTERVENING PERIODS BETWEEN WORK OR THROTTLED DOWN TO A MINIMUM
- CARE WILL BE TAKEN WHEN LOADING OR UNLOADING VEHICLES OR DISMANTLING SCAFFOLDING OR MOVING MATERIALS ETC. TO REDUCE IMPACT NOISE

THE CONTRACTOR WILL FOLLOW BEST PRACTICABLE MEANS TO REDUCE THE NOISE EFFECT ON THE LOCAL COMMUNITY INCLUDING THE FOLLOWING:
- MATERIALS WILL BE HANDLED WITH CARE E.G. MATERIAL SUCH AS SCAFFOLDING AND STEELWORK WILL BE PLACED RATHER THAN DROPPED.
- DROP HEIGHTS OF MATERIALS FROM LORRIES AND OTHER PLANT WILL BE KEPT TO A MINIMUM.
- WITH REGARDS TO THE PILING OF FOUNDATIONS, TO ENSURE WHERE POSSIBLE, THAT NOISE AND VIBRATION EFFECTS DURING THESE WORKS ARE MINIMISED,
- FIXED AND SEMI-FIXED ANCILLARY PLANT SUCH AS GENERATORS, COMPRESSORS AND PUMPS LIABLE TO CREATE NOISE AND/OR VIBRATION WHILST IN OPERATION WILL, AS FAR AS REASONABLY PRACTICABLE, BE LOCATED AWAY FROM SENSITIVE RECEPTORS.
- THE USE OF BARRIERS TO ABSORB AND/OR DEFLECT NOISE AWAY FROM NOISE SENSITIVE AREAS WILL BE EMPLOYED WHERE REQUIRED AND REASONABLY PRACTICABLE.

- ALL PLANT USED ON SITE, PAYING PARTICULAR ATTENTION TO THE INTEGRITY OF SILENCERS AND ACOUSTIC ENCLOSURES WILL BE MAINTAINED IN GOOD AND EFFICIENT WORKING ORDER AND OPERATED SUCH THAT NOISE EMISSIONS ARE MINIMISED AS FAR AS REASONABLY PRACTICABLE.
- AS FAR AS REASONABLY PRACTICABLE, ANY PLANT, EQUIPMENT OR ITEMS FITTED WITH NOISE CONTROL EQUIPMENT FOUND TO BE DEFECTIVE SHOULD NOT BE OPERATED UNTIL REPAIRED.
- WHERE REASONABLY PRACTICABLE, FIXED ITEMS OF CONSTRUCTION PLANT SHOULD BE ELECTRICALLY POWERED IN PREFERENCE TO DIESEL OR PETROL DRIVEN.
- VEHICLES AND MECHANICAL PLANT, WHERE REASONABLY PRACTICABLE, WILL BE FITTED WITH EFFECTIVE EXHAUST SILENCERS AND WILL BE MAINTAINED IN GOOD WORKING ORDER AND OPERATED IN A MANNER SUCH THAT NOISE EMISSIONS ARE CONTROLLED AND LIMITED AS FAR AS REASONABLY PRACTICABLE.
- MACHINES IN INTERMITTENT USE SHOULD BE SHUT DOWN OR THROTTLED DOWN TO A MINIMUM DURING PERIODS BETWEEN WORKS.

F. CONTROL MEASURES FOR DUST & DIRT GENERATED BY CONSTRUCTION
WE SHALL BE USING A WATER BOWSER AND HOSE WITH WATER DAMPEN DOWN ANY DUST & DIRT ON SITE.
WHERE POSSIBLE, WE WILL ENDEAVOR TO USE DUST & DIRT-RETARDING PRODUCTS
WE WILL RESTRICT EARTHMOVING TASKS DURING EXTREMELY WINDY CONDITIONS.
WHERE POSSIBLE, WE WILL PHASE SITE CLEARING ACTIVITIES TO ONLY CLEAR AREAS WE ARE ABOUT TO WORK ON.
DIRT WILL ALSO BE CONTROLLED AT THE ENTRANCE BY A WHEEL WASH FACILITY
PROVISION FOR AIRBORNE POLLUTANTS
- Prevention of wind-blown dust arising from storage mounds: storage mounds shall be profiled to reduce erosion where the nature of the material could lead to it being rain washed or windblown. Mound surfaces shall be kept sufficiently damp to prevent windblown unless and until the surface is sprayed or sealed. Materials that have the potential to give rise to dust emissions shall be stored at least 6m from the site boundaries as is reasonably practicable.
- Compliance by construction vehicles with emissions legislation, servicing and MOT requirements: all vehicles regularly used on site will comply with the relevant emissions standards and will be serviced in accordance with the manufacturer's recommendations. MOT and service documentation shall be produced for inspection. The Sub-contractors are encouraged to use vehicles and plant that meet the latest emissions regulations.
- Engine idling time: No construction plant or vehicle shall leave its engine running when not directly in use, except where the Project Manager considers that there are operational or other reasons to justify an exception.

G. COLLECTION AND DISPOSAL OF RUBBISH
SEE PLAN FOR LOCATION OF SKIPS
All waste is processed once it leaves site using modern plant and equipment and recycled for further use where possible – if not then the last resort is Landfill Wood Wood is sorted into different categories and chipped to supply either the panel board industry or to energy plants where the recovered wood is used to generate electricityConcrete & Hardcore Broken concrete, hardcore and masonry wastes result is the production of top grade recycled aggregate.Plasterboard Legislation prohibits the landfill of gypsum based products with other mixed active wastes as the decomposition process causes the release of hydrogen sulphide gas. The gypsum based material is sent for remanufacture into fresh plasterboard and into agricultural applications.Steel Electro-magnets are used to extract steel from the recovery process. Steel is then dispatched a specialist metal processing plant for shredding and cleaning before continuing its journey to the smelting works in the UK and abroad.RDF Refuse Derived Fuels Once all processing has taken place waste residues remain that cannot be practically recovered into single commodities. These waste residues can be screened and shredded to produce a light 'flock' generally known as RDF (Refuse Derived Fuel).This material can then be delivered to various waste to energy plants assisting in the production of power generation.

H. MEASURES TO PREVENT MUD ON HIGHWAYS
WHEN CONSTRUCTING THE NEW ROADS ON SITE, WE WILL BE USING A WHEEL WASH (JET WASH) BEFORE ANY CONSTRUCTION VEHICLES LEAVE SITE AND SHOULD ANY SMALL AMOUNT OF DIRT BE TAKEN ONTO THE MAIN HIGHWAY, A ROAD SWEEPER WILL BE AVAILABLE EVERY DAY TO CLEAN THE ROAD

I. SECURITY FENCING
THE COLOURED HOARDING AS YOU ENTER THE SITE (BROWN) WILL BE USED FOR DECORATIVE DISPLAYS AND METAL GATES WILL BE USED TO CLOSE OFF THE SITE FOR SECURITY

J. PREVENTION OF POLLUTANTS ON SITE
WE WILL BE USING FUEL BOWSERS TO HOLD ALL FUELS WITH CATCH PITS ON SITE; WE WILL HAVE FUEL SPILL KITS HELD IN THE SITE OFFICE TO CLEAN UP ANY ACCIDENTAL FUEL SPILLAGE. IF A SPILLAGE OCCURS, WE USE THE SPILL KITS AND THEN DIG OUT THE AFFECTED STRAIGHT AWAY AND REMOVE FROM SITE.
DURING & AFTER DEMOLITION, A PEST CONTROL PROFESSIONAL CAN MONITOR THE SITE FOR PEST ACTIVITY & IMPLEMENT APPROPRIATE BAITLING OR TRAPPING STRATEGIES AS NEEDED.
CAPPING OF EXISTING DRAINAGE WILL BE IN OPERATION DURING DEMOLITION & CONSTRUCTION.

K. NOISE GENERATING PLANT
ALL MACHINES ARE FITTED WITH EXHAUST SILENCERS AND WE WILL BE USING SILOS TO PRODUCE THE MORTAR WHICH IS CONTROLLED BY AN ELECTRIC MOTOR, SO NO NOISE.

L. WORKING HOURS
ALL WORKS AND ANCILLARY OPERATIONS WHICH ARE AUDIBLE AT THE SITE BOUNDARY, SHALL BE CARRIED OUT ONLY BETWEEN THE FOLLOWING HOURS:
HOURS OF 0800HRS TO 1800HRS MONDAYS TO FRIDAYS, AND 0900HRS TO 1300HRS ON SATURDAYS, AND NOT AT ANY TIMES ON SUNDAYS AND BANK HOLIDAYS.

BANKSMEN TO BE IN ATTENDANCE FOR ALL DELIVERIES.

M. BURNING ON SITE
THERE SHALL BE NO BURNING OF WASTE MATERIALS ON SITE.

N. SITE CHARTER
EVERYONE THAT WORKS ON THE SITE WILL FOLLOW OUR STRICT SITE CHARTER WITH INCLUDES EARLY NOTIFICATION TO RESIDENTS WHEN WE ANTICIPATE COMMENCEMENT ON SITE, THERE WILL A CLEAR VISIBLE SIGN THAT WILL HAVE THE DETAILS OF THE SITE MANAGER INC CONTACT NUMBER.

P. ENVIRONMENTAL PROTECTION
ANY OUT OF THE ORDINARY WORKS OR COMPLAINS WE RECEIVE, WE WILL ENDEAVOR TO COMMUNICATE WITH THE RELEVANT DEPARTMENT OF THE LOCAL AUTHORITY AND PROVIDE REGULAR UPDATES UNTIL IT HAS BEEN RESOLVED.

Q. EMERGENCY DEVIATION OF THE AGREED WORKING HOURS
IN THE EVENT OF WORKING OUTSIDE OF THE AGREED WORKING HOURS DUE TO AN EMERGENCY, WE WILL ENDEAVOR TO PROVIDE AS MUCH NOTICE AND INFORMATION TO RESIDENTS AND LOCAL AUTHORITY AS POSSIBLE AND WILL KEEP THE OPERATIONS DOWN TO THE NECESSARY MINIMUM.

R. CONTROLLING THE USE OF SITE LIGHTING
SECURITY LIGHTING WILL BE LOCATED AND DIRECTED AWAY FROM RESIDENTS AS PRACTICALLY POSSIBLE TO MINIMISE THE DISRUPTION. LIGHTING WILL BE ON A PIR TIMED SENSOR, SO CONTINUOUS SECURITY LIGHTING WILL NOT BE PRESENT ON SITE DURING THE CONSTRUCTION PERIOD.

SECURITY LIGHTING WILL BE IN THE FORM OF A SINGLE PIR FLOODLIGHT FIXED TO THE SITE OFFICE FACING DOWNWARDS AND AWAY FROM THE RESIDENTS. SEE ATTACHED PLAN ON THE LOCATION OF THE LIGHT.
THIS PLAN IS TO BE MONITORED AND REVIEWED EVERY SIX MONTHS

S. THE ANTICIPATED NUMBER, ROUTING, FREQUENCY AND TYPES OF VEHICLES USED DURING CONSTRUCTION

FOR GROUNDWORKS
FOR FIRST TWO MONTHS WHICH IS WHEN THE MUCKAWAY WILL GO OUT AND STONE FOR ROADS COMING IN THE VEHICLE NUMBERS WOULD BE APPROX 30-40 LORRIES IN TOTAL. THAT WOULD BE APPROX 2 OR 3 TIMES IN A WEEK.

ALL OTHER TIMES AVERAGE 3-5 LORRIES A DAY

FOR DELIVERIES
WE WOULD HAVE DIRECT LOADS FOR BRICKS, BLOCKS, INSULATION, ROOF TILES AND WOULD BE ARTICULATED LORRIES

ALL OTHER DELIVERIES WOULD BE VIA A MERCHANT AND WOULD BE DELIVERED BY 8 WHEELER VEHICLES.

T. PROGRAM OF CONSTRUCTION WORKS
THE SITE IS TO BE BUILT IN ONE SINGLE PHASE.

U. DOMESTIC SITE WASTE
ALL WASTE TO BE SEPARATED AND KEPT SEGREGATED TO ENABLE RECYLING WHERE POSSIBLE
GREEN WASTE TO BE SEPARATED AND REMOVED VIA SKIP TO GREEN WASTE RECYCLING FACILITY.

V. PILING METHOD
PILING WILL BE CONTINUOUS FLIGHT AUGER (CFA) PILING AT 300MM DIAMETER BEARING PILES.

W. VEHICLE ROUTING
CONSTRUCTION TRAFFIC WILL COME FROM THE A33 READING RELIEF ROAD NORTHBOUND & WILL TURN OFF ONTO ROSE KILN LANE, TRAVEL APPROXIMATELY A MILE THEN TURN LEFT ONTO THE B3031 BASINGSTOKE ROAD, TRAVEL ALONG FOR APPROXIMATELY A MILE THEN TURN LEFT DOWN ELGAR ROAD S, TRAVEL APPROXIMATELY A MILE & TRAFFIC SHALL TURN LEFT WHERE THE SITE IS LOCATED.
DUE TO THE CLOSE PROXIMITY OF THE RESIDENTIAL AREAS AND OFFICES, DELIVERIES AND HGV MOVEMENTS ARE TO TAKE PLACE AT THE HOURS OF 0900HRS TO 1600hrs MONDAYS TO FRIDAYS, AND 0900HRS TO 1300HRS ON SATURDAYS, AND NOT AT ANY TIMES ON SUNDAYS AND BANK HOLIDAYS.
ACCESS IS TO BE GAINED BY ELGAR ROAD. CARE TO BE TAKEN BY DRIVERS WHEN ENTERING AND LEAVING THE SITE, DELIVERIES OF PLANT AND EQUIPMENT ALONG WITH FUEL, WASTE AND SCRAP COLLECTION WILL BE PLANNED IN ADVANCE BY THE SITE MANAGER/SITE SUPERVISOR. HGV DRIVERS ARE TO CONTACT THE SITE SUPERVISOR AT LEAST 10 MINUTES IN ADVANCE OF ARRIVAL IN ORDER TO GIVE SUFFICIENT NOTICE FOR A BANKSMAN TO OPEN THE GATES AND MANAGE TRAFFIC.
WHEN DELIVERY VEHICLES ARRIVE ON SITE THEY WILL REPORT TO OFFICE, SIGN IN, BE GIVEN THE SITE RULES FOR TRAFFIC AND THEN DIRECTED TO THEIR DELIVERY LOCATION (COPY OF SITE RULES ATTACHED). VEHICLES WILL BE PARKED INSIDE THE SITE WHILST SIGNING IN.

DUE TO THE DEMISE OF THE SITE BEING VERY LIMITED FOR SPACE HGV LOW LOADER AND ROLL ON OFF LORRIES A SWEPT PATH WILL NOT BE ACHIEVABLE DUE TO HGV'S NOT BEING ABLE TO BE TURNED ON SITE IN ONE FORWARD GEAR.
HGV MOVEMENTS SHALL BE UNDERTAKEN WITHIN THE CONFINES OF THE SITE BOUNDARY UNDER THE UNDER THE CONSTANT GUIDANCE OF COMPETENT OPERATIVES ACTING AS BANKSMAN. THIS WILL ENABLE THE HGV'S WHEN LEAVING THE SITE TO DO SO IN A FORWARD GEAR AGAIN UNDER THE CONSTANT GUIDANCE OF COMPETENT OPERATIVES ACTING AS BANKSMAN.

X. WATER POLLUTION

HAULAGE ROUTES TO THE SITE SHALL PASS OVER DRAIN COVERS AND STORM DRAINS. IN THE EVENT OF A MAJOR SPILLAGE, WATERWAYS COULD BECOME POLLUTED AND DEGRADED. THE FOLLOWING MEASURES SHALL BE IMPLEMENTED TO MITIGATE AGAINST ANY POLLUTION EVENTS:

- STORAGE CONTAINERS WILL BE LOCATED UPON IMPERMEABLE SURFACES, AND NOT ON SURFACES IN WHICH VEHICLES WILL BE OPERATING OVER, TO PREVENT COLLISIONS.
- PROCEDURES MUST BE IN PLACE FOR SAFE DELIVERY OF MATERIALS AND A KNOWN STORAGE PLACE MUST BE CONFIRMED PRIOR TO DELIVERY, ENSURE THAT SUPPLIERS ARE MADE AWARE OF THIS STORAGE LOCATION, AND ALL DELIVERIES MUST BE SUPERVISED SO THAT PROCEDURES ARE FOLLOWED.
- SPILL KITS WILL BE KEPT CLOSE TO DELIVERY AND STORAGE AREAS. SUPPLIERS AND STAFF WILL ALSO BE MADE AWARE OF HOW TO USE THEM. MINIMISING THE TIME SPENT HANDLING AND MOVEMENT OF MATERIAL S WILL REDUCE THE RISK OF SPILLS.
- MACHINERY WILL BE KEPT CLEAN AND WELL MAINTAINED TO ENSURE THEIR CONTINUED EFFECTIVE USAGE AND FEWER RATES OF FAILURE, POTENTIALLY CAUSING POLLUTION EVENTS.
- PLANT AND MACHINERY SHALL USE DRIP TRAYS WHICH SHALL BE CHECKED AND EMPTIED AS REQUIRED TO AN AUTHORISED LOCATION.
- A PICP WILL BE PRODUCED TO INCLUDE RESPONSE TO SPILLAGES OF OIL, WHICH SITE STAFF WILL HAVE READ AND UNDERSTOOD. ONSITE PROVISIONS WILL BE MADE TO CONTAIN A SERIOUS SPILL OR LEAK THROUGH THE USE OF SPILL KITS, BOOMS, BUNDING AND ABSORBENT MATERIAL. PERSONNEL WILL BE TRAINED ON THE USE OF SPILL KITS, WHERE APPLICABLE.
- ANY SILTY WATER ABSTRACTED DURING EXCAVATIONS WILL BE DISCHARGED TO SETTLEMENT TANKS OR SILTBUSTERS AS APPROPRIATE.
- OUTFALLS INTO SURFACE WATERS WILL BE MONITORED REGULARLY DURING CONSTRUCTION AND WORKS HALTED IF POLLUTION IS OBSERVED.
- ALL SHALLOW (LESS THAN 10M) EXCAVATIONS, TRIAL PITS AND GEOTECHNICAL BOREHOLES ONCE COMPLETED WILL BE ADEQUATELY BACKFILLED AND SEALED.

REV	DESCRIPTION	DATE	AUTH	CHK'D
A	Updated to planners comments	15/07/25	LD	
-	First Issue	27/05/25	LD	

PROJECT
ELGAR ROAD
READING

DRAWING
Construction Environmental Management Plan

SCALE	DATE	AUTHOR	CHK'D
1:200 @ A1	MAY 25	LD	

JOB NO.	DRAWING NO.	REV
	CEMP 01	A

STATUS
PLANNING ISSUE