

WINGHAM BRUSH RESERVE ACCESS ROAD AND PARKING UPGRADE

FARQUHAR STREET, WINGHAM, NSW

GENERAL NOTES

- DATUM FOR LEVELS: ALL DESIGN LEVELS ARE TO BE ASCERTAINED ON SITE BY THE CONTRACTOR TO ENSURE SMOOTH MATCHING AND LEAST DISTURBANCE OF CUT AND FILL.
- ALL DIMENSIONS AND COORDINATES ARE LOCAL CO-ORDINATE SYSTEM. CONTACT MCGLASHAN & CRISP FOR BENCHMARK INFORMATION AND TO CONFIRM ALL SETOUT DATA.
- ALL WORKS SHALL BE IN ACCORDANCE WITH THIS DRAWING SET, MIDCOAST COUNCIL'S AUSPEC AND STANDARD DRAWINGS, MIDCOAST WATERS CONTRACTOR INFORMATION, MICOAST WATER SUPPLEMENT TO SEWERAGE CODE OF AUSTRALIA, AND RELEVANT AUSTRALIAN STANDARDS. ANY CONFLICT BETWEEN ANY OF THE ABOVE MENTIONED DOCUMENTS SHALL BE REFERRED TO THE 'PRINCIPAL'S AUTHORISED PERSONNEL' (P.A.P.) FOR RESOLUTION.
- ALL WORKS TO BE CARRIED OUT TO THE SATISFACTION OF THE MIDCOAST COUNCIL, MIDCOAST WATER SUPERVISING ENGINEERS AND MCGLASHAN & CRISP.
- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH REGULATORY BODY REQUIREMENTS AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTATION.
- WORKS SHALL NOT BE UNDERTAKEN WITHOUT CONSIDERATION OF ANY ENVIRONMENTAL IMPACTS, WITH STRICT ADHERENCE TO ANY RECOMMENDED ENVIRONMENTAL CONTROLS AND MITIGATION MEASURES.
- ALL DIMENSIONS AND LEVELS SHOWN ON THESE PLANS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES THUS FOUND MUST BE BROUGHT TO THE ATTENTION OF THE MCGLASHAN & CRISP IMMEDIATELY AND PRIOR TO THE COMMENCEMENT OF WORKS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND LEVEL ALL SERVICES ADJACENT TO OR OTHERWISE AFFECTING THE WORKS PRIOR TO THE COMMENCEMENT OF WORKS, WHETHER OR NOT THEY ARE INDICATED ON THE DRAWINGS. WHERE SERVICES CONFLICT WITH PROJECT WORKS THEY ARE TO BE RELOCATED ON APPROVAL FROM THE P.A.P.
- THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST SERVICES AS NECESSARY.
- THE CONTRACTOR IS TO CO-ORDINATE WORKS WITH OTHER CONTRACTORS FOR RELOCATION OR INSTALLATION OF SERVICES, WHETHER THEY ARE EMPLOYED BY THE CONTRACTOR OR NOT.
- ANY ADJUSTMENTS TO SERVICES THAT ARE TO BE UNDERTAKEN BY THE CONTRACTOR, ARE TO BE DONE SO IN ACCORDANCE WITH THE RELEVANT SERVICE AUTHORITIES REQUIREMENTS.
- THE CONTRACTOR IS TO MAKE THEMSELVES AWARE OF THE GROUNDWATER CONDITIONS ON SITE, AND ALLOW FOR ANY DEWATERING WITHIN TENDERING FEES AND CONSTRUCTION METHODOLOGY.
- THE CONTRACTOR SHALL SUPPLY AND IMPLEMENT A SITE SPECIFIC CEMP FOR THE DURATION OF THE WORKS IN ACCORDANCE WITH THE CURRENT EDITION OF LANDCOM'S "SOILS AND CONSTRUCTION – MANAGING URBAN STORMWATER HANDBOOK" (OTHERWISE REFERRED TO AS THE 'BLUE BOOK'), AND RELEVANT EPA & LEGISLATIVE REQUIREMENTS.
- THE CONTRACTOR SHALL , PRIOR TO COMMENCEMENT OF WORKS, PREPARE AND SUBMIT TO COUNCIL A SOIL AND WATER MANAGEMENT PLAN, WHICH MAY OR MAY NOT INCLUDE THE SOIL AND WATER MANAGEMENT PLAN INCLUDED IN THESE DRAWINGS.
- PRIOR TO COMMENCEMENT OF WORKS, A WASTE MANAGEMENT PLAN PREPARED (BY THE CONTRACTOR) IN ACCORDANCE WITH THE REQUIREMENTS OF COUNCIL'S WASTE MANAGEMENT POLICY MUST BE SUBMITTED AND APPROVED BY THE CERTIFYING AUTHORITY.
- ALL NEW WORKS TO MAKE A SMOOTH JUNCTION WITH EXISTING WORK.
- ALL MATERIAL TO BE REMOVED FROM THE SITE IS TO BE DISPOSED OF BY THE CONTRACTOR AT A SUITABLE LICENSED FACILITY.
- SURFACE LEVELS NOMINATED ON THESE PLANS ARE FINISHED SURFACE LEVELS INCLUSIVE OF ANY TOPSOIL AND PAVEMENTS UNLESS OTHERWISE SHOWN.
- TRAFFIC CONTROL MEASURES ARE TO BE IMPLEMENTED AT ALL TIMES IN ACCORDANCE WITH AS1743.
- A TRAFFIC MANAGEMENT PLAN PREPARED BY THE CONTRACTOR IN ACCORDANCE WITH THE WORK HEALTH AND SAFETY ACT 2011 IS TO BE SUBMITTED TO COUNCIL FOR APPROVAL (INCLUDING ANY HAULAGE ROUTES) PRIOR TO WORKS COMMENCING.
- ANY HAULAGE LEVYS REQUIRED BY COUNCIL OR RMS TO BE PAID BY THE CONTRACTOR.
- THE CONTRACTOR SHOULD CONSIDER PREPARING DILAPIDATION REPORTS FOR BOTH THE ADJOINING HOUSES AND HAULAGE ROUTES PRIOR TO COMMENCEMENT OF WORKS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO COUNCIL'S INFRASTRUCTURE. SUCH REPAIR OR REINSTATEMENT IS TO BE CARRIED OUT IMMEDIATELY TO THE SATISFACTION OF COUNCIL.
- THE CONTRACTOR SHALL NOT ENTER UPON OR DO ANY WORK WITHIN ADJACENT LANDS WITHOUT PRIOR WRITTEN PERMISSION OF THE LAND OWNER.
- THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN IN A SAFE CONDITION AN ALL WEATHER ACCESS TO THE ROADWAYS AND PROPERTIES ADJACENT TO THE SITE TO THE SATISFACTION OF COUNCIL.
- ALL SIGNS THAT ARE MOVED DURING CONSTRUCTION ARE TO BE REPLACED IN THE SAME LOCATION IN ACCORDANCE WITH AS1742.2. EXISTING SIGNS TO BE REUSED PROVIDED THEY ARE IN A GOOD AND SERVICEABLE CONDITION TO THE SATISFACTION OF THE P.A.P.. OTHERWISE, REPLACE WITH A NEW, EQUIVALENT SIGN.
- EARTHWORKS AND PAVEMENTS ARE TO BE PREPARED AND CONSTRUCTED IN ACCORDANCE WITH THE PLAN NOTES & COUNCIL APPROVAL.
- LOCATION OF ALL WATER SERVICE CONNECTIONS TO BE VERIFIED BY MIDCOAST WATER PRIOR TO CONSTRUCTION.
- ENSURE ALL CLEARANCES ARE MAINTAINED BETWEEN UNDERGROUND SERVICES IN ACCORDANCE WITH RELEVANT STANDARDS.
- ALL SETOUT AND LOCATION OF EDGES, BOLLARDS, DISH DRAIN & GRASSED AREAS , MUST BE APPROVED BY MCGLASHAN & CRISP AND COUNCIL PRIOR TO CONSTRUCTION.
- WORKS TO BE CARRIED OUT IN NON FLOOD SEASON.

SURVEY

- ANY SURVEY MARKS THAT ARE DESTROYED MUST BE REPLACED AT THE CONTRACTORS EXPENSE, EXCEPT WHERE THE SUPERVISOR OF THE WORKS ALLOWS OTHERWISE.
- ALL ROAD & TREE LOCATIONS SHOWN ON PLAN ARE DIAGRAMMATIC ONLY. BOUNDARY LINES, FENCES AND BOARDWALK ENTRANCE ARE LOCATED BY SURVEY.

SITE PREPARATION AND VEGETATION REMOVAL

- ANY TREE OR VEGETATION AFFECTED BY CONSTRUCTION MUST BE PROTECTED OR APPROVAL GAINED FROM COUNCIL TO REMOVE.
- CONTRACTOR MUST NOT CLEAR OUTSIDE THE EXTERNAL FENCE BY MORE THAN 1m (TO ALLOW FOR FENCING ONLY)
- THE CONTRACTOR SHALL CLEAR, MULCH AND DISPOSE OF TREES NOMINATED ON THESE PLANS AT A LICENSED DISPOSAL FACILITY (OR OTHER APPROVED).
- TREES TO BE RETAINED ON SITE SHALL BE PROTECTED BY THE ERECTION OF PROTECTIVE FENCING PRIOR TO COMMENCEMENT OF SITE WORKS. TREE PROTECTION IS TO BE UNDERTAKEN IN ACCORDANCE WITH AS4970-2009.
- THE BURNING OF TREES AND VEGETATION FELLED DURING CLEARING OF THE SITE IS NOT PERMITTED. WHERE POSSIBLE VEGETATION IS TO BE MULCHED AND REUSED ON SITE.
- CLEARING IS DEFINED AS: CUTTING DOWN, FELLING, THINNING, LOGGING OR REMOVING NATIVE VEGETATION; KILLING, DESTROYING, POISONING, RING BARKING, UPROOTING, NATIVE VEGETATION; SEVERING TOPPING OR LOPPING BRANCHES, LIMBS, STEMS OR TRUNKS OF NATIVE VEGETATION; OR SUBSTANTIALLY DAMAGING OR INJURING NATIVE VEGETATION IN ANY OTHER WAY.
- CONTRACTOR TO REMOVE ALL EXISTING RUBBISH FROM SITE, AS WELL AS ANY WASTE GENERATED DURING CONSTRUCTION WORKS. CONTRACTOR TO PROVIDE VERIFICATION TO P.A.P. OF DISPOSAL DETAILS.

EARTHWORKS

- TOPSOIL IS TO BE STRIPPED AND STOCKPILED ON THE SITE.
- UPON COMPLETION OF THE WORKS THE TOPSOIL IS TO BE RESPREAD TO A MINIMUM DEPTH OF 100mm OVER ALL DISTURBED ROAD VERGE AREAS, DRAINAGE LINES, HAULAGE TRACKS, TABLE DRAINS, LANDSCAPED AREAS, ETC.
- FINISHED SURFACE LEVELS INCLUDE TOPSOIL AND ROAD PAVEMENT MATERIALS.
- ALL FILL FOR PAVEMENT/ROAD SUBGRADE TO BE NON-TOPSOIL EXCAVATED MATERIAL, CLEAN AND FREE OF ORGANIC AND OTHER DELETERIOUS MATERIAL.
- ALL FILLING IS TO BE IN ACCORDANCE WITH THE RELEVANT ADVICE FROM COUNCIL.
- CONTRACTOR TO KEEP A LOG OF ALL IMPORTED MATERIAL (QUANTITY AND ORIGIN).
- CONTRACTOR TO REGRADE ANY UNEVEN GROUND SURFACES TO ENSURE SMOOTH SURFACES AND SMOOTH TRANSITION TO ROAD BATTERS.
- ALL LOTS AND DISTURBED AREAS ARE TO BE TOPSOILED AND REGRADED TO A SMOOTH SURFACE. ESTABLISH GRASS COVER AND RE-GRASS IF NECESSARY. MOW WHEN DEEMED NECESSARY OR WHEN DIRECTED BY THE SUPERINTENDENT. ALL AREAS TO BE RE-GRASSED ARE TO BE DONE SO IN ACCORDANCE WITH THE DETAILS IN THE SOIL AND WATER MANAGEMENT PLAN.

DRAINAGE

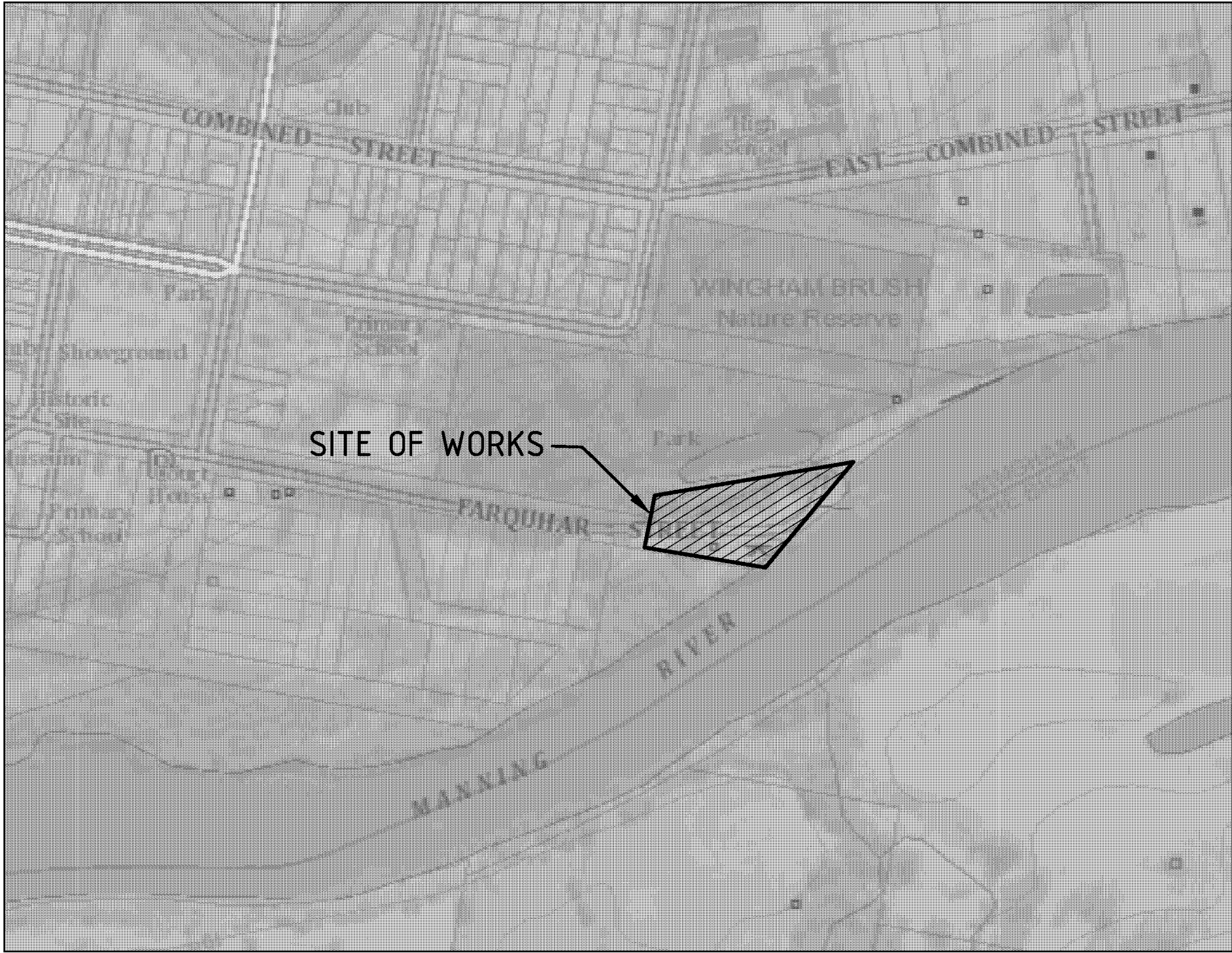
- ALL DRAINS TO BE RECUT MUST BE REGRASSED AND MAINTAINED INCLUDING CONTROL OF TRAFFIC TO ENSURE ESTABLISHMENT.

ROADWORKS

- WHEN JOINING NEW PAVEMENT AND BITUMEN TO EXISTING, SAW CUT EXISTING AND MAKE SMOOTH NEAT CONNECTION.

CONCRETE NOTES:

- ALL CONCRETE SHALL BE SUPPLIED, PLACED AND TESTED IN ACCORDANCE WITH AS3600-2001 'CONCRETE STRUCTURES CODE'.
- CONCRETE TO BE SUPPLIED BY AN APPROVED PRE-MIX ORGANISATION.
- CONCRETE QUALITIES SHALL BE:
 - MINIMUM COMPRESSIVE STRENGTH F_{ck} – 25 MPa
 - AT MINIMUM STRENGTH DEVELOPMENT TIME (DAYS) – 28
 - WATER CEMENT RATIO (MAXIMUM) – 0.55
 - SLUMP (MAXIMUM) – 80mm
 - AGGREGATE SIZE (MAXIMUM) – 20mm
 - CEMENT SHALL BE SULPHATE RESISTANT CEMENT, WATER TO BE CLEAN AND POTABLE
 - AGGREGATE TO BE SHARP, CLEAN AND CONTINUOUSLY GRADED. ALTERNATIVELY AN APPROVED WATER REDUCING AGENT MAY BE USED AND THE SLUMP INCREASED TO 120mm. HOWEVER THE CEMENT CONTENT SHALL NOT BE REDUCED.
- ADDITIVES SHALL NOT BE USED WITHOUT WRITTEN APPROVAL FROM THE PRINCIPALS AUTHORISED PERSON (PAP).
- ALL CONCRETE SHALL BE THOROUGHLY COMPACTED. ALL SURFACE TREATMENT OF CONCRETE SHALL BE A SMOOTH TROWELLED FINISH.
- ALL CONCRETE SHALL BE CURED BY KEEPING MOIST FOR A MINIMUM PERIOD OF SEVEN (7) DAYS AFTER PLACING OR BY APPLICATION OF AN APPROVED CURING COMPOUND. IMMEDIATELY AFTER SURFACE HARDENING APPLY WATER TO THE SURFACE AND THEN COVER THE WHOLE SURFACE WITH P.V.C SHEETING. EXTEND THE SHEETING BEYOND THE EDGES OF THE NEW CONCRETE AND SEAL THE P.V.C. TO THE OLD CONCRETE AND ALONG THE EDGES AND ALL JOINTS IN THE P.V.C. TO PREVENT ANY LOSS OF MOISTURE.
- REINFORCING BARS TO BE SUPPLIED, PLACED, FIXED AND SUPPORTED IN ACCORDANCE WITH AS3600-2001 CONCRETE STRUCTURES CODE AND THE SPECIFICATION WITH SUPPORTS AT 600mm CENTRES UNLESS SPECIFIED OTHERWISE WITHIN THE DRAWINGS.
- COVER TO REINFORCING SHALL BE MINIMUM 50mm TOP AND BOTTOM. ALL SPLICES IN REINFORCEMENT SHALL BE LAPPED TO DEVELOP FULL TENSILE STRENGTH IN ACCORDANCE WITH AS3600-2001 CONCRETE STRUCTURES CODE.
- FORM UP CONTRACTION AND EXPANSION JOINTS TO ALLOW JOINTS TO THOROUGHLY DRY OUT AND SEAL USING AN APPROVED JOINT SEALANT AS SHOWN IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- ALL EXPOSED STEEL SECTIONS CAST INTO CONCRETE SHALL BE HOT DIP GALVANISED.
- ALL EXPOSED CONCRETE CORNERS TO HAVE 25mm CHAMFER.
- ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY SCABBLED AND CLEANED BEFORE CONCRETE PLACEMENT AND IN ACCORDANCE WITH SPECIFICATION.



LOCALITY PLAN

NOT TO SCALE (COURTESY OF NSW GOVT SIX VIEWER)

