GENERAL NOTES:

1. THE TERM SITE IS USED THROUGHOUT THESE DRAWINGS AND DESCRIBE THE OWNERS INTERNAL LEASE BOUNDARIES. FOR THE PURPOSE OF THE CONTRACTOR, THE PHYSICAL SITE IS DEFINED AS ALL SITE AREAS WITHIN THE BOUNDARIES SHOWN.
2. ALL SET OUT OF BULK EARTHWORKS SHALL BE CONFIRMED WITH THE CONTRACTOR PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF THE WORKS.
4. REINSTATE ALL DISTURBED AREAS INCLUDE TRIMMING TO TIE INTO SURROUNDINGS LEVELS.
5. THE CONTRACTORS ATTENTION IS DRAWN TO THE REQUIREMENTS OF THE WORKPLACE HEALTH AND SAFETY ACT 2011. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THIS ACT AND IN PARTICULAR, THE SUB-CONTRACTOR IS TO ENSURE THE REQUIREMENTS OF THE SPECIFICATION WITH REGARD TO 'NOTIFICATION IN RELATION TO NOTIFIABLE PROJECT' ARE FULFILLED.
6. ALL PROPRIETARY ITEMS TO BE COMPLETED TO MANUFACTURERS SPECIFICATIONS AND REQUIREMENTS
7. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITIONS INCLUDING AMENDMENTS AND SUPPLEMENTS OF THE RELEVANT AUSTRALIAN STANDARDS (OR OTHER STANDARDS AS SPECIFIED) AND CODES OF PRACTICE EXCEPT AS VARIED BY THE CONTRACT DOCUMENTS OR THE BY-LAWS, REGULATIONS AND STANDARDS OF THE LOCAL AUTHORITY.
8. ALL EARTHWORKS ARE TO BE COMPLETED IN ACCORDANCE WITH THE FOLLOWING:
   a. GEOTECHNICAL REPORT RECOMMENDATION MADE BY SOIL SURVEYS PROJECT No. 1-25813 ON MARCH 2023.
   b. AS3798-2007 'GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENT'.

SURVEY DATUM

ELECTRONIC SURVEY DATA, BOUNDARY AND DRAWING FILE RECEIVED FROM RPS ON 13/06/23. DRAWING REFERENCE NUMBER P132685.

PSM: 140032
HORIZ. DATUM: 4898.249
VERT. DATUM: 1908.296
9. 7.494m

SITE FEATURES

1. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THE PRESENCE, LOCATION AND DEPTH OF ALL EXISTING SERVICES WITH RELEVANT AUTHORITIES BEFORE COMMENCING WORKS
2. IT IS THE CONTRACTORS RESPONSIBILITY TO PHYSICALLY VERIFY THE LOCATION AND DEPTH OF ALL SITE SERVICES AND FEATURES PRIOR TO THE START OF CONSTRUCTION. USE VACUUM EXCAVATION TO LOCATE EXISTING SERVICES.

FIRE ANT TREATMENT ZONE

1. THIS DEVELOPMENT IS LOCATED WITHIN A ZONE 2 FIRE ANT TREATMENT ZONE - DISPOSAL OF MATERIAL SHALL BE IN ACCORDANCE WITH THE DEPARTMENT OF AGRICULTURE FISHERIES REGULATIONS. REFER WEBSITE: *WWW.DAF.QLD.GOV.AU/FIREANTS* FOR MOVEMENT CONTROL DETAILS.

EROSION AND SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO CONTROL EROSION AND DOWNSTREAM SEDIMENTATION DURING ALL STAGES OF CONSTRUCTION.
2. THE CONTRACTOR IS TO PREPARE AND FOLLOW AN EROSION AND SEDIMENT CONTROL MANAGEMENT PLAN AS PART OF THE SITE MANAGEMENT PLAN. THE PLAN IS TO COMPLY WITH IECA BEST PRACTICE.
3. THE CONTRACTOR IS TO NOMINATE A SITE REPRESENTATIVE TO BE RESPONSIBLE FOR THE IMPLEMENTATION AND UP KEEP OF THE EROSION AND SEDIMENT CONTROL MANAGEMENT CONTROL PLAN
4. THE EXTENT AND POSITION OF THE EROSION AND SEDIMENT CONTROL MEASURES TO BE DETERMINED ON SITE BY THE CONTRACTOR TO SUIT THE CONSTRUCTION PROGRAM AND STAGING OF THE WORKS.
5. THESE PLANS AND ASSOCIATED NOTES PRESENT CONCEPTS ONLY AND THE MEASURES SHOWN ARE MINIMUM REQUIREMENTS ONLY.
6. THE CONTRACTOR SHALL AT ALL TIMES BE RESPONSIBLE FOR THE ESTABLISHMENT, MANAGEMENT AND MAINTENANCE OF THE EROSION AND SEDIMENT CONTROL MEASURES TO MEET THE LOCAL AUTHORITY STANDARDS.
7. THE CONTRACTOR SHALL ENSURE THAT THE DISTURBANCE OF EXISTING VEGETATION AND GROUNDCOVER IS CONFINED TO MINIMUM WORKABLE AREAS.
8. IN ALL CASES THE SMALLEST PRACTICAL AREA OF STABLE LAND SURFACE SHALL BE DISTURBED
9. ALL RELATED EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE IN PLACE AND CAPABLE OF FUNCTIONING AS INTENDED PRIOR TO EARTHMOVING ACTIVITY WITHIN THEIR CONTRIBUTING CATCHMENT AREA.
10. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH INTERNATIONAL EROSION CONTROL ASSOCIATION (IECA) STANDARDS.
11. CHECK GULLY FILTER BAGS FOR BUILD UP OF SEDIMENT AND CLEAN OUT AS REQUIRED
12. BOTH TEMPORARY AND PERMANENT SEDIMENT MANAGEMENT DEVICES SHALL BE MAINTAINED AT A SUITABLE LEVEL/CONDITION THROUGHOUT CONSTRUCTION. SEDIMENT FENCES ARE TO BE CLEANED OUT WHEN CAPACITY IS REDUCED BY 25%
13. IF EROSION AND SEDIMENT CONTROL DEVICES HAVE BEEN FOUND TO BE DEFICIENT OR FAILED IN SERVICE DUE TO UNFORESEEN CIRCUMSTANCES, CORRECTIVE ACTION IS TO BE UNDERTAKEN IMMEDIATELY WHICH MAY INCLUDE AMENDMENTS/ADDITIONS TO THE ORIGINAL APPROVED EROSION AND SEDIMENT CONTROL PLANS.
14. ALL SITE WASTE INCLUDING GENERAL RUBBISH TO TO DISPOSED OF IN AN ENVIRONMENTALLY RESPONSIBLE MANNER IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION (WASTE MANAGEMENT) POLICY 2000 AND ENVIRONMENTAL PROTECTION (WASTE MANAGEMENT) REGULATION 2000.
15. ALL STOCKPILE LOCATIONS TO BE PLACED CLEAR OF OVERLAND FLOW PATHS AND OPEN DRAINS. STOCKPILES TO HAVE EARTHBANKS UP SLOPE FOR DIVERSION OF UPSTREAM WATER AROUND STOCKPILE AND SEDIMENT FENCES PLACED 1-2m DOWN SLOPE. ALL LOCATIONS TO BE APPROVED BY THE SUPERINTENDENT PRIOR TO ESTABLISHMENT OF THE STOCKPILE ON SITE.
16. SHOULD UNFORESEEN EROSIVE CONDITIONS DEVELOP DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ACTION TO REMEDY SUCH CONDITIONS AND TO PREVENT DAMAGE TO ADJACENT PROPERTIES AS RESULT OF INCREASED RUNOFF AND/OR SEDIMENT DISPLACEMENT. STOCKPILES OF WOOD CHIPS, CRUSHED STONE, AND OTHER MULCHES SHALL BE IN READINESS TO DEAL IMMEDIATELY WITH EMERGENCY PROBLEMS OF EROSION.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT POLLUTION CONTROL MEASURES. IF EROSION CONTROL MEASURES FAIL OR OTHER EROSION PROBLEMS ARISE, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CORRECT AND ELIMINATE THEM BEFORE THEY DEVELOP INTO UNMANAGEABLE PROBLEMS.
18. ALL ESC MEASURES MUST BE INSPECTED:
   a. AT LEAST DAILY (WHEN WORK IS OCCURRING ON SITE) OR WEEKLY (WHEN WORK IS NOT OCCURRING ON SITE);
   b. WITHIN 24 HOURS OF EXPECTED RAIN; AND
   c. WITHIN 18 HOURS OF A RAINFALL EVENT (I.E. AN EVENT OF SUFFICIENT INTENSITY AND DURATION TO MOBILISE SEDIMENT ON SITE).
19. MAINTENANCE OF ESC MEASURES MUST OCCUR IN ACCORDANCE WITH THE FOLLOWING TABLE:

ESC MEASURE	MAINTENANCE TRIGGER	TIMEFRAME FOR COMPLETION OF MAINTENANCE
SEDIMENT BASIN	WHEN SETTLED SEDIMENT EXCEEDS THE VOLUME OF THE SEDIMENT STORAGE ZONE (SEE COUNCIL'S SEDIMENT BASIN DESIGN GUIDELINES)	WITHIN 7 DAYS OF THE INSPECTION OR BEFORE MAJOR RAINFALL EVENT
OTHER ESC MEASURES	THE CAPACITY OF THE ESC MEASURES FALLS BELOW 75%	BY THE END OF THE DAY

20. ANY DISTURBED AREA ON WHICH ACTIVITY HAS CEASED MUST BE STABILIZED IMMEDIATELY.
21. DIVERSION CHANNELS, SEDIMENT BASINS, SEDIMENT TRAPS AND STOCKPILES MUST BE STABILIZED IMMEDIATELY.
22. UNLESS OTHERWISE STATED IN THE ESC PROGRAM, GROUND COVER SUFFICIENT TO RESTRAIN EROSION (MINIMUM 70% COVERAGE OF ALL SOIL) MUST BE PROVIDED WITHIN 30 CALENDAR DAYS FROM COMPLETION OF WORKS WHERE THE SOIL IS AT RISK OF ACCELERATED EROSION. DURING THE INTERIM PERIOD BETWEEN COMPLETION OF WORKS AND THE ESTABLISHMENT OF AT LEAST 70% GROUND COVER. TEMPORARY ESC MEASURES WILL BE REQUIRED (EG SEDIMENT FENCES). EXAMPLES OF HOW A 70% COVERAGE MAY BE ACHIEVED INCLUDE SEEDING AND MULCHING WITH STRAW OR TURFING. NOTE THAT WATERING OF RECENTLY VEGETATED AREAS MAY BE REQUIRED TO MEET THIS STANDARD.
23. DISTURBED AREAS ARE TO BE STABILISED FOLLOWING FINAL TRIMMING, AREAS ARE TO BE DISTURBED AND RESTORED PROGRESSIVELY.
24. AT THE END OF EACH WORKING DAY, ANY SEDIMENT TRACKED OR CONVEYED ONTO A PUBLIC ROADWAY WILL BE REMOVED AND RE-DEPOSITED ONTO THE CONSTRUCTION SITE. REMOVAL CAN BE COMPLETED THROUGH USE OF MECHANICAL OR HAND TOOLS BUT MUST NEVER BE WASHED OFF THE ROAD BY USE OF WATER.
25. SHOULD DUST BECOME EVIDENT, THE CONTRACTOR SHOULD TAKE ALL REASONABLE MEASURES TO CONTROL WIND EROSION ON SITE. DUST MAY BE CONTROLLED BY LIMITING THE DISTURBED AREA, TEMPORARY STABILISATION, MINIMISING TRAFFIC MOVEMENTS, LIMITING VEHICLE SPEEDS, USE OF WATER TRUCKS AND BY SURFACE ROUGHENING. REFER TO IECA STD DRGS M-01, SR-01, AND ECB-01 FOR FURTHER DETAILS.
26. MAINTENANCE OF SITE ACCESS:
   a. A STABILISED SITE ACCESS IS TO BE PROVIDED. THIS STABILISED ACCESS IS TO BE IN THE FORM OF A ROCK OR STEEL 'SHAKER' TO TRAP SEDIMENT FROM DEPARTING VEHICLES.
   b. THE STABILISED SITE ACCESS AREAS SHALL BE LOCATED SUCH THAT SILTED WATER IS FILTERED THROUGH A SUITABLE SEDIMENT TRAP (SUCH AS A SEDIMENT FENCE) INSTALLED DOWNSTREAM OF ACCESS.
   c. THE CONTRACTOR SHALL INSPECT THE EXTERNAL ROADS ADJACENT TO THE SITE DAILY AND MANUALLY REMOVE ANY SEDIMENT DEPOSITS (BY SWEEPING NOT WASH DOWN).
27. AT COMPLETION OF BULK EARTHWORKS INSTALL SEDIMENT FENCES AND SITE CAPPING ON DOWNHILL BOUNDARIES OF CATCH SITE.

STANDARD DRAWINGS

THE FOLLOWING INTERNATIONAL EROSION AND SEDIMENT CONTROL ASSOCIATION OF AUSTRALIA (IECA) STANDARD DRAWINGS APPLY TO THIS PROJECT:

DB-01	FLOW DIVERSION BANK
EXIT-04 & 05	CONSTRUCTION EXIT - VIBRATION GRIDS
FS-01	FILTER SOCK - CONCENTRATED FLOW
GB-01	GULLY BAG INLET PROTECTION
SB-02	SEDIMENT BASIN PART 2
SB-05	SEDIMENT BASIN PART 5
SB-06	SEDIMENT BASIN PART 6
SF-01 & SF-02	SEDIMENT FENCE

ROADWORKS:

1. COMPACTION TEST RESULTS AND TEST LOCATIONS FOR SUBGRADE AND EARTHWORKS FILL TESTING SHALL BE SUBMITTED TO AND APPROVED BY THE SUPERINTENDENT PRIOR TO PLACING PAVEMENT MATERIALS.
2. ALL KERBS, KERB AND CHANNELS, INVERT CROSSINGS AND THE LIKE SHALL BE CONSTRUCTED WITH TOOLED JOINTS AT 4.0m MAXIMUM CENTERS AND EXPANSION JOINTS AT 16m MAXIMUM CENTERS.
3. EXPANSION JOINTING MATERIAL SHALL BE 10MM THICK BITUMEN IMPREGNATED FIBRE BOARD (NON EXTRUDING TYPE WITH BITUMEN CONTENT FULLY BOUND).
4. PROVIDE ADDITIONAL JOINTS TO KERBS AND KERB AND CHANNELS IN THE SAME LOCATION AS THE JOINTS IN THE CONCRETE PAVEMENTS.
5. PRIOR TO PLACING THE PAVING MATERIAL, THE SUB-GRADE SHALL BE TRIMMED TO THE CORRECT LINE AND SHAPE AND SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 100% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD COMPACTION TEST (A.S. 1289 E5.1.1).
6. PROOF ROLL TESTS OF THE SUBGRADE ARE TO BE UNDERTAKEN TO IDENTIFY LOCALISED POOR GROUND TO BE REMOVED, OR REWORKED PRIOR TO THE PLACING OF PAVEMENT MATERIAL.
7. ALL KERBS ARE TO BE CONSTRUCTED WITHIN +3mm TOLERANCE OF DESIGN HEIGHT. KERBS NOT MEETING THIS TOLERANCE WILL BE CONSIDERED A DEFECT AND REJECTED.

DUST CONTROL:

1. THE CONTRACTOR IS TO CONTROL DUST SO THAT NO REDUCTION TO VISIBILITY OR AIR QUALITY IS PRESENT.
2. IN THE EVENT OF AN UNCONTROLLABLE DUST EVENT OCCURRING, CONTACT THE SUPERINTENDENT IMMEDIATELY.

ABBREVIATIONS

AL	ALIGNMENT
BCC	BRISBANE CITY COUNCIL
BEWL	BULK EARTHWORKS LEVEL
BK	BARRIER KERB
BOW	BOTTOM OF WALL
CH	CHAINAGE
CL	COVER LEVEL
CTB	CONCRETE THRUST BLOCK
CTP	CONCRETE THRUST PIER
DBYD	DIAL BEFORE YOU DIG
DEJ	DOWELLED EXPANSION JOINT
DP	DOWN PIPE
DWG	DRAWING
EJ	EXPANSION JOINT
E.SEW.MH	EXISTING SEWER MANHOLE
E.SW.MH	EXISTING STORMWATER MANHOLE
FHR	FIRE HOSE REEL
FSL	FINISHED SURFACE LEVEL
FRC	FIBRE REINFORCED CONCRETE
FFL	FINISHED FLOOR LEVEL
HYD	HYDRANT
HER	HIGH END RISER
HW	HEAD WALL
IL	INVERT LEVEL
IJ	ISOLATION JOINT
IP	INTERSECTION POINT
IR	INTERMEDIATE RISER
KB	KERB BACK
KC	KERB CONTROL
KL	KERB LIP
KR	KERB RETURN
KT	KERB TOP
LCC	LOGAN CITY COUNCIL
MBRC	MORETON BAY REGIONAL COUNCIL
MH	MANHOLE
MS	MOWING STRIP
NTS	NOT TO SCALE
OCI	OPEN CONCRETE INVERT
PC	PRAM CROSSING
PR	PRAM RAMP
QUU	QUEENSLAND URBAN UTILITIES
RCP	REINFORCED CONCRETE PIPE
RL	REDUCED LEVEL
ROCI	REINFORCED OPEN CONCRETE INVERT
RVC	REINFORCED VEHICLE CROSSING
SC	STOP COCK
SJ	SAWCUT JOINT
SS	SUBSOIL DRAIN
SRM	SEWER RISING MAIN
STD	STANDARD
SV	STOP VALVE
TOW	TOP OF WALL
TOF	TOP OF FOOTING
TP	TANGENT POINT
TS	TRENCH STOP
TW	THRUST WALL
UW	UNITY WATER
VC	VEHICULAR CROSSING

LEGEND

EXISTING:

- EASEMENT BOUNDARY
- PROPERTY BOUNDARY
- FENCE
- STORMWATER (SW)

PROPOSED:

- FINAL SURFACE CONTOUR MAJOR (6.5)
- FINAL SURFACE CONTOUR MINOR (6.4)
- BARRIER KERB - BK
- INVERT -INV
- MOUNTABLE KERB - MK
- RETAINING WALL
- SILT FENCE
- STORMWATER (SW)
- ISOLATION JOINT
- DOWELLED EXPANSION JOINT - DEJ
- PAVEMENT MARKING
- STORMWATER PITS
- TRIMMER BARS
- EARTHWORKS SECTION (SF)
- SETOUT SURFACE POINT (10)
- LAND DEDICATION
- LANDSCAPE
- ASPHALT OVER EXISTING CONCRETE PAVEMENT TYPE 1 (PT1)
- LIGHT DUTY ASPHALT PAVEMENT TYPE 2 (PT2)
- HEAVY DUTY CONCRETE PAVEMENT TYPE 3 (PT3)
- LIGHT DUTY CONCRETE PAVEMENT TYPE 4 (PT4)
- ROAD WIDENING ASPHALT PAVEMENT TYPE 5 (PT5)
- TEMPORARY INLET PROTECTION IN ACCORDANCE WITH IECA STD DRG'S FD-01, OG-01, SA-01, GB-01 AND/OR FW-01
- SURFACE FLOW DIRECTION
- SITE ENTRANCE
- TEMPORARY TOPSOIL STOCKPILE

Sheet List Table

WARNING

BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. LOCATE ALL UNDERGROUND SERVICES BEFORE COMMENCEMENT OF WORKS.

DIAL 1100 BEFORE YOU DIG
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DO NOT SCALE THIS DRAWING. IF IN DOUBT - ASK?
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CLIENT: BUNNINGS warehouse

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Revision	Issue Details	Issued	Date
A	40% ECI ISSUE	CGO	31.07.23
B	70% ECI ISSUE	CGO	25.08.23
C	BCC FUNCTIONAL LAYOUT DRAWINGS	KH	10.11.23
D	90% ISSUE FOR REVIEW	KH	16.11.23
E	ISSUED FOR FINAL APPROVAL	KH	15.01.24
F	ISSUED FOR CONSTRUCTION	CGO	03.04.24

PROJECT 10014
BUNNINGS OXLEY - OPTION 2
32 BLUNDER ROAD, OXLEY, 4075

Drawn: EP Checked: CGO

Approved:
Craig Ohmsen R.P.E.Q. 18897
On Behalf Of McVeigh Consultants

DRAWING TITLE
CIVIL WORKS GENERAL NOTES AND LEGEND

REV:
10014-C2-00-02 F