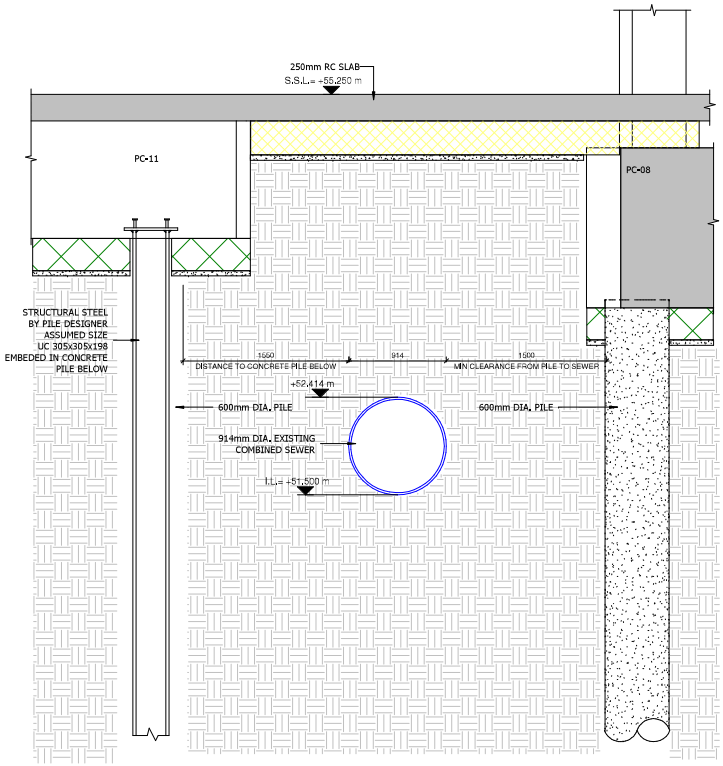
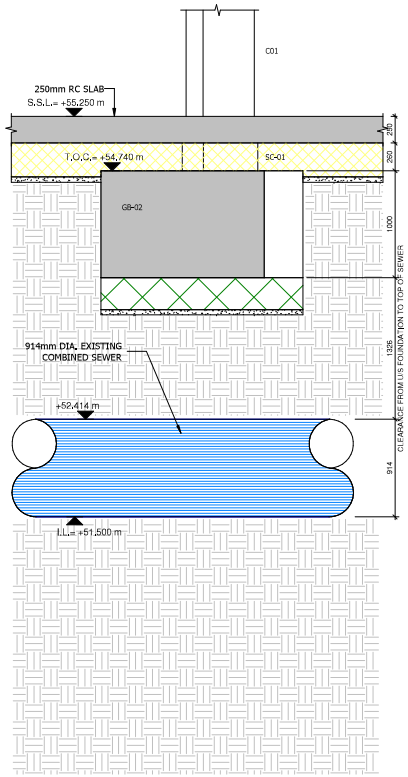


SECTION 61

SCALE 1 : 25



SECTION 62

SCALE 1 : 25

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm). ALL LEVELS ARE IN METRES.
2. DO NOT SCALE THIS DRAWING. WORK TO FIGURED DIMENSIONS ONLY.
3. PILES TO BE DC-3 CONCRETE. C28/35 MIN.
4. APPROX. LENGTH OF PILES 25m. TO BE BY CONTRACTOR.
5. DESIGN AND CONSTRUCT THE PILES IN ACCORDANCE WITH S.P.E.R.W. CLAUSE 1.4 OPTION 1.
6. ALL PILES TO BE INTEGRITY TESTED.
7. PILES TO BE DESIGNED TO EC7.
8. THE DESIGN OF ALL LATERALLY UNRESTRAINED PILES IS TO ALLOW FOR THE ADDITIONAL MOMENTS INDUCED IN THE PILE DUE TO THE MAXIMUM ALLOWABLE DEVIATION IN POSITION AND VERTICALITY OF THE PILE.
9. ALL SINGLE AND DOUBLE PILE CAPS TO BE CONSIDERED UNRESTRAINED
10. ALL PILES ARE TO BE DESIGNED FOR AN UNFACTORED zeHORIZONTAL LOAD OF 25kN UNLESS NOTED OTHERWISE.
11. PRECISE LOCATIONS OF EXISTING AND DIVERTED SERVICES ARE TO BE CONFIRMED WITH THE CONTRACTOR BEFORE PILING ADJACENT TO THE SERVICES.
12. THE SAFETY FACTOR ON PILE DESIGN SHALL BE NOT LESS THAN 3.0 UNLESS AGREED IN ADVANCE WITH BUILDING CONTROL AND THE ENGINEER.
13. PILE MAT TO BE 750mm DEEP 6F2 GRANULAR FILL WITH 2 LAYERS OF GEOTEXTILE (FOR 6F2 SPECIFICATION REFER TO "SPECIFICATION FOR HIGHWAY WORKS, VOLUME 1 SERIES 600". FINAL DESIGN OF PILING MAT SUBJECT TO CONFIRMATION OF PILING RIG BY SPECIALIST CONTRACTOR.
14. TYPICALLY TOP OF CAP EQUAL TO TOP OF SLAB U.N.O.
15. ALL CAPS ORTHOGONAL TO GRIDLINES U.N.O.
16. COLUMNS TO BE CENTRAL ON PILE CAPS U.N.O.

SIGNIFICANT RISKS AND HAZARDS:

1. PROXIMITY OF RAILWAY LINE.

NOTE:

ALL COLUMNS BELOW GROUND LEVEL TO BE INCREASED BY AN ADDITIONAL 15mm EACH SIDE FOR EXTRA CONCRETE COVER.

HEAVE PROTECTION (HIGH SHRINKABILITY):

- INDICATES AREA WITH CELLCORE HX PLUS 13/18 317mm - 215mm LEG + 100mm INSULATION UNDER LOWER GROUND FLOOR SLAB
- CORDECK CELLCORE HG 300mm DEEP GRADE 40/50 UNDER PILE CAPS AND GROUND BEAMS.
- CORDECK HEAVEGUARD 75mm TO INSIDE FACE OF PERIMETER PILE CAPS AND GROUND BEAMS.

KEY - WATERPROOFING:

- DENOTES EXTENT OF WATERPROOF CONCRETE SYSTEM TO BE INSTALLED ACCORDING TO MANUFACTURE'S RECCOMENDATIONS AND DESIGN.
- DENOTES INDICATIVE WATER BAR. INSTALLATION STRICTLY IN ACCORDANCE WITH MANUFACTURER'S DESIGN AND RECCOMENDATIONS.

NOTE:

- FOR LIGHTENING PROTECTION REQUIREMENTS REFER TO SPECIALIST'S DETAILS. ALLOW FOR WATERTIGHT CONCRETE TO LIFT PITS AND RETAINING WALLS.
- WATERTIGHT SYSTEM TO BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS

RC STUB COLUMN SCHEDULE

REF.	SIZE (mm)
SC-01	850x250mm RC STUB COLUMN
SC-02	1650x250mm RC STUB COLUMN

RC WALL SCHEDULE

REF.	SIZE (mm)
W01	350mm RC WALL
W02	200mm RC WALL
W03	250mm RC WALL
W04	225mm RC WALL

GROUND BEAM SCHEDULE

REF.	SIZE (mm)
GB-01	750 x 1000mm DEEP GROUND BEAM
GB-02	1500 x 800mm DEEP GROUND BEAM
GB-03	1500 x 1000mm DEEP GROUND BEAM
GB-04	1500 x 1250mm DEEP GROUND BEAM

CORE CAP SCHEDULE

REF.	SIZE
CCP-01	1600mm DEEP CORE CAP WITH 18No. 450mm DIA. PILES
CCP-02	1000mm DEEP CORE CAP WITH 15No. 450mm DIA. PILES
CCP-03	1600mm DEEP CORE CAP WITH 17No. 450mm DIA. PILES
CCP-04	1000mm DEEP CORE CAP WITH 10No. 450mm DIA. PILES

STRUCTURAL FOUNDATION SCHEDULE

REF.	SIZE
PC-01A	750 x 800 x 1000mm DEEP PILE CAP WITH 1No. 450mm DIA PILE
PC-01B	750 x 750 x 1000mm DEEP PILE CAP WITH 1No. 450mm DIA. PILE
PC-01C	900 x 900 x 1000mm DEEP PILE CAP WITH 1No. 600mm DIA PILE
PC-02	750 x 2100 x 1000mm DEEP PILE CAP WITH 2No. 450mm DIA. PILES
PC-02A	800 x 2100 x 1000mm DEEP PILE CAP WITH 2No. 450mm DIA. PILES
PC-02B	750 x 2100 x 1500mm DEEP PILE CAP WITH 2No. 450mm DIA. PILES
PC-02C	900 x 2700 x 1000mm DEEP PILE CAP WITH 2No. 600mm DIA. PILES
PC-03	2100 x 1920 x 750 x 1000mm DEEP PILE CAP WITH 3No. 450mm DIA. PILES
PC-03A	750 x 3450 x 1000mm DEEP PILE CAP WITH 3No. 450mm DIA. PILES
PC-03B	2700 x 2460 x 900 x 1000mm DEEP PILE CAP WITH 3No. 600mm DIA. PILES
PC-04	2100 x 2100 x 1000mm DEEP PILE CAP WITH 4No. 450mm DIA. PILES
PC-06	2100 x 3450 x 1000mm DEEP PILE CAP WITH 6No. 450mm DIA. PILES
PC-08	2700 x 6300 x 1500mm DEEP PILE CAP WITH 8No. 600mm DIA. PILES
PC-10	5100 x 4800 x 1500mm DEEP PILE CAP WITH 9No. 600mm DIA. PILES
PC-11	3150 x 8715 x 1250mm DEEP PILE CAP WITH 11No. 600mm DIA. PILES

REV	DATE	DRAWN/CHK	REVISION INFO
C01	31.03.22	AC/GM	CONSTRUCTION ISSUE.

STATUS: **CONSTRUCTION**

CLIENT: WESTFIELD / ASTIR

PROJECT: WEST END LANE - WEST BLOCK

DRAWING TITLE: PROPOSED SUBSTRUCTURE SECTIONS AND DETAILS - SHEET 3

JOB NUMBER: SE1229 | SCALE AT A1: 1:50 1:25 | REV. STATUS: A

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