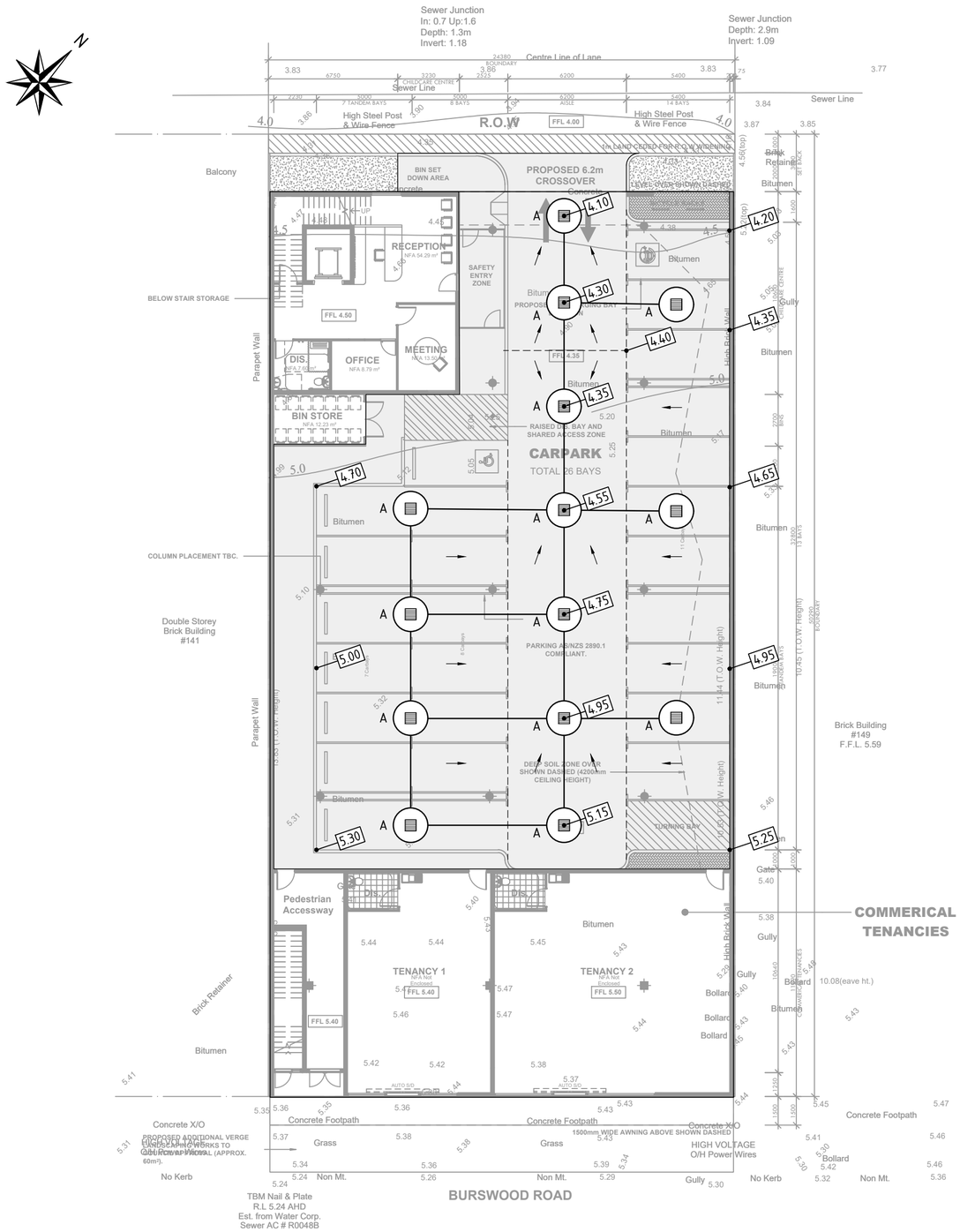


STORMWATER DRAINAGE PLAN

SCALE 1:200

DRAINAGE LEGEND:

- 11.21 — EXISTING SPOT LEVEL (m)
- ——— D ——— EXISTING DRAINAGE.
- ——— S ——— EXISTING WATER CORPORATION SEWER MAIN.
- DIRECTION OF FLOW.
- OVERLAND FLOW PATH FOR LARGER STORM EVENTS.
- F.F.L. 9.750 — FINISHED FLOOR LEVEL (m)
- 10.00 — FINISHED PAVING LEVEL (m)
- SOAKWELL WITH PVC RISER (WHERE REQUIRED)
- PROPOSED Ø150 PVC INTERCONNECTING PIPE WITH MIN GRADE OF 1 in 180
- DRP — DOMESTIC RAINWATER PIT ('EVERHARD' OR SIMILAR APPROVED). SHOWN AT INDICATIVE LOCATIONS.
- TRP — TRAFFICABLE RAINWATER PIT ('EVERHARD' SERIES 450' OR SIMILAR APPROVED). SHOWN AT INDICATIVE LOCATIONS.
- DP — PROPOSED PVC DOWNPIPE CONNECTIONS. PLACE AT 1:100 MIN GRADE. PROVIDE MIN 300 COVER. SHOWN AT INDICATIVE LOCATIONS, ACTUAL NUMBER AND LOCATIONS TO PLUMBERS SPECIFICATIONS.
- PROVIDE APPROVED DRAIN (WHERE SHOWN) & CONNECT IN TO NEAREST SOAKWELL VIA Ø100 PVC PIPE.
- A — PROPOSED Ø1800 x 600 STORMWATER SOAKWELL IN GEOFABRIC WRAP WITH GRATED LID. (RAISED TO SUIT).

NOTES:

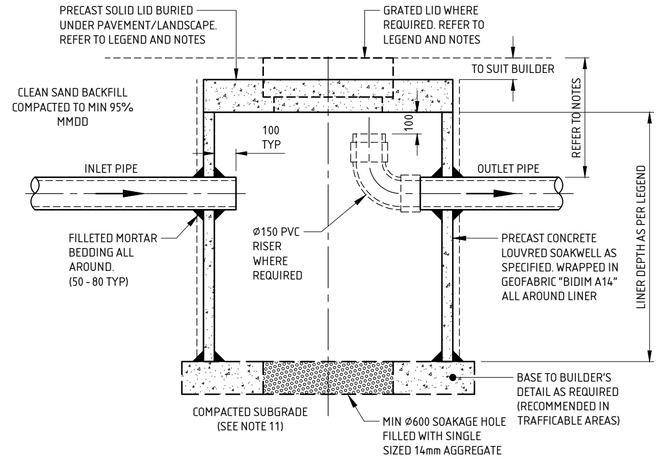
1. CHECK ALL DIMENSIONS ON SITE. READ ALL ENGINEERING DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL AND SURVEY DRAWINGS. ANY DISCREPANCIES BETWEEN ENGINEERING DRAWINGS AND ARCHITECTURAL DRAWINGS SHALL BE CONFIRMED PRIOR TO COMMENCING CONSTRUCTION. DO NOT SCALE FROM THESE DRAWINGS.
2. ALL WORK TO BE IN ACCORDANCE WITH THE CURRENT VERSION OF "AS3500 PLUMBING & DRAINAGE", THE "BUILDING CODE OF AUSTRALIA (BCA)", THE "NATIONAL CONSTRUCTION CODE (NCC)" AND THE LOCAL AUTHORITY'S STANDARD SPECIFICATIONS.
3. COVER TO DRAINAGE PIPE TO BE 450mm IN LANDSCAPE, 600mm IN TRAFFICABLE AREAS.
4. ALL DRAINAGE PIPEWORK SHALL BE PVC CLASS HD STORMWATER, UNLESS WHERE LOCATED UNDERNEATH ANY STRUCTURES PIPEWORK SHALL BE PVC SEWER CLASS SN8.
5. DOWN PIPES TO BE LOCATED SO EACH SOAKWELL FILLS AT SAME RATE (I.E. ROOF AREA TO EACH TANK IS PROPORTIONAL TO ITS VOLUME).
6. ALL SOAKWELLS ARE TO BE SETBACK FROM ALL BUILDINGS ON THE SITE INCLUDING ANY STRUCTURE LOCATED ON THE BOUNDARY AS PER DETAIL, UNO.
7. WHERE SOAKWELLS ARE LOCATED IN AREAS SUBJECT TO VEHICULAR LOADING, STANDARD TRAFFICABLE LIDS ARE TO BE INSTALLED AND BASE TO BUILDER'S DETAIL.
8. THIS DRAINAGE SPECIFICATION IS TO BE READ IN CONJUNCTION WITH CLIENT'S ARCHITECTURAL DRAWINGS (PARTIALLY REPRODUCED HERE).
9. CLIENT IS TO ENSURE LOCAL AUTHORITY HAVE APPROVED THESE DRAWINGS BEFORE BEING ISSUED FOR PRICING, TENDER AND CONSTRUCTION.
10. IF GROUND WATER IS ENCOUNTERED DURING THE WORKS THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
11. SUBGRADE TO BE COMPACTED AS FOLLOWS:
    - 11.1. SAND - PSP 6 BLOWS PER 300mm PENETRATION WHEN TESTED WITH A PERTH SAND PENETROMETER (AS 1289 6.3.3)
    - 11.2. CLAY - 95% STANDARD MAXIMUM DRY DENSITY RATIO AS PER AS 1289 (5.1.1 / 5.4.1)

STORMWATER MANAGEMENT PLAN

1. SITE CLASSIFICATION REPORT: TBA
   - ASSUMED TO BE CLASS 'A' CONTACT ENGINEER IF OTHERWISE.
2. OVERLAND FLOW PATH FROM DEVELOPMENT - YES
3. DESIGN CRITERIA - TOWN OF VICTORIA PARK
   - 1 IN 100 YEAR STORM EVENT OF A 5 MINUTE DURATION.

DRAINAGE CALCULATIONS

IMPERVIOUS AREA (m²)			1147
VOLUME TO STORE (m³)			20.65
TANKS SELECTED			
DIAMETER (mm)	DEPTH (mm)	TANKS (No)	VOLUME (m³)
1800	600	14	21.38
VOLUME			21.38



TYPICAL SOAKWELL DETAIL

SCALE 1:20

- SOAKWELLS TO BE POSITIONED A MIN OF 1.2m OR THE DEPTH OF SOAKWELL (WHICH EVER IS GREATER) FROM ANY PROPOSED OR EXISTING FOUNDATIONS.

REV	BY	ISSUE / REVISION DESCRIPTION	DATE
0	RS/DB	ISSUED FOR CONSTRUCTION - SUBJECT TO LOCAL AUTHORITY APPROVAL	19/03/24
1	RS/DB	NEW SITE PLAN	22/04/24

DRAFTER	R.SUMAH
DESIGNER	R.SUMAH
CHECKER	D.BLAZESKI
DATE	22/04/2024
APPROVED BY:	

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PROJECT No.	D331238
SCALE	1:200
SIZE	A2
SHEET	1 of 1
REV	1
PROJECT	PROPOSED DEVELOPMENT ON #147 BURSWOOD RD, BURSWOOD
CLIENT	EKTA HOLDINGS PTY LTD

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