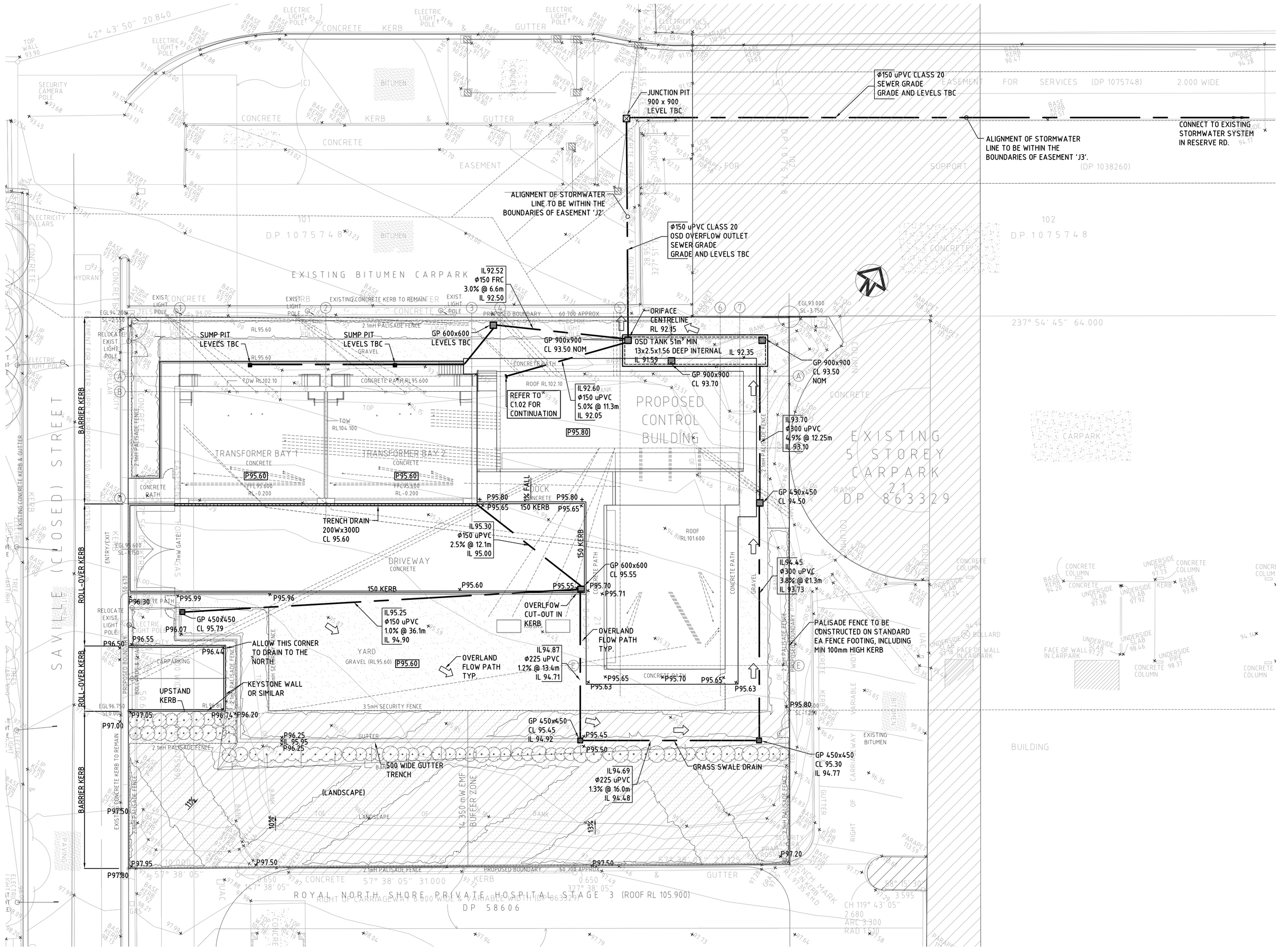

STORMWATER NOTES

1. ALL 225 DIA. DRAINAGE PIPES AND LARGER SHALL BE CLASS "X" APPROVED SPIGOT AND SOCKET FRC OR VCP PIPES WITH RUBBER RING JOINTS. (U.N.O.) ALL DOWNPIPE DRAINAGE LINES SHALL BE SEWER GRADE uPVC WITH SOLVENT WELD JOINTS. (U.N.O.)
2. EQUIVALENT STRENGTH REINFORCED CONCRETE PIPES MAY BE USED.
3. ALL PIPE JUNCTIONS UP TO AND INCLUDING 450 DIA. AND TAPERS SHALL BE VIA PURPOSE MADE FITTINGS.
4. MINIMUM GRADE TO STORMWATER LINES TO BE 1%. (U.N.O.)
5. CONTRACTOR TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK.
6. ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH.
7. PRECAST PITS SHALL NOT BE USED UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE SUPERINTENDANT.
8. WHERE TRENCHES ARE IN ROCK, THE PIPE SHALL BE BEDDED ON A MIN. 50mm CONCRETE BED (OR 75mm THICK BED OF 12mm BLUE METAL) UNDER THE BARREL OF THE PIPE. THE PIPE COLLAR AT NO POINT SHALL BEAR ON THE ROCK. IN OTHER THAN ROCK, PIPES SHALL BE LAID ON A 75mm THICK SAND BED. IN ALL CASES BACKFILL THE TRENCH WITH SAND TO 200mm ABOVE THE PIPE. WHERE THE PIPE IS UNDER PAVEMENTS BACKFILL REMAINDER OF TRENCH WITH SAND OR APPROVED GRANULAR BACKFILL COMPACTED IN 150mm LAYERS TO 98% STANDARD MAX. DRY DENSITY.
9. BEDDING SHALL BE (U.N.O.) TYPE H1, IN ACCORDANCE WITH CURRENT RELEVANT AUSTRALIAN STANDARDS.
10. WHERE STORMWATER LINES PASS UNDER FLOOR SLABS SEWER GRADE RUBBER RING JOINTS ARE TO BE USED.
11. WHERE SUBSOIL DRAINAGE LINES PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS UNSLOTTED uPVC SEWER GRADE PIPE SHALL BE USED.
12. PROVIDE 3.0m LENGTH OF 100 DIA. SUBSOIL DRAINAGE PIPE WRAPPED IN FABRIC SOCK, AT UPSTREAM END OF EACH PIT.

PRELIMINARY

CAD DRAWING
DO NOT MANUALLY AMEND

AMENDMENTS	
A	ISSUE FOR REVIEW

DWN: JSW
CHKD: BHJ
DATE: 02.03.09
APP'D by: BHJ

Brewster Murray
Architects Interiors and Urban Designers
99 York Street, Sydney NSW 2000 Australia
T +612 9299 0988 F+612 9299 0708

ÂCOR CONSULTANTS
ENGINEERS
MANAGERS INFRASTRUCTURE
PLANNERS
Level 1, 24 Falcon Street
PO Box 822
Crows Nest NSW 2065
PH +612 9438 5098
Fax +612 9438 5398
e-mail acor@acor.com.au
PROJECT No. SY080197

EnergyAustralia®
DESIGN SERVICES
24 CAMPBELL ST SYDNEY, NSW 2000

SCALE	1:200
DESIGNED	BHJ
DRAWN	JSW
CHECKED	-
APPROVED	-
DATE	-
PRJTRK No.	-
PROJECT NUMBER	ES 107-48-1-2

ROYAL NORTH SHORE HOSPITAL
132/11KV ZONE SUBSTATION
WESTBORNE STREET, GORE HILL, NSW

STORMWATER MANAGEMENT SITE PLAN

DRAWING No C1.01 | SHEET - | AMD A | SIZE A1