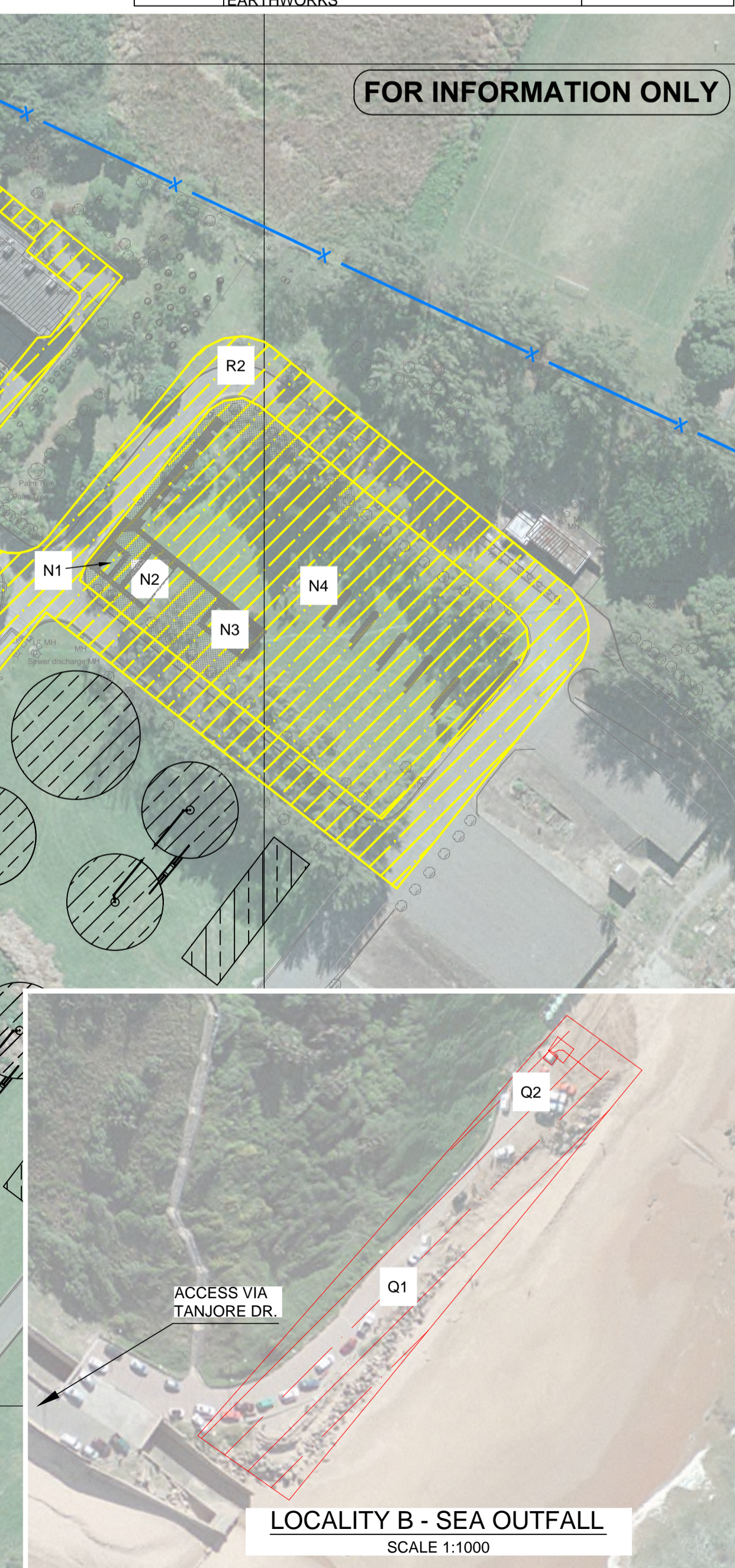




LEGEND			SITE DETAILS		
SITE BOUNDARY			LOCATION: (30°58'22.64"E, 29°57'22.57"S) THE SOUTHERN WASTEWATER TREATMENT WORKS IS LOCATED ON 2 BADULLA DRIVE, MEREWENT ON THE NORTH-EASTERN BANK OF THE UMLAAS CANAL. THE WWTW IS SURROUNDED BY RESIDENTIAL AND INDUSTRIAL DEVELOPMENT.		
LOCATION OF EXISTING ZONES TO BE REFURBISHED / UPGRADED			ACCESS: TO ACCESS THE SOUTHERN WWTW, TAKE EXIT 8 OFF THE M4 SOUTHERN FREEWAY INTO DURANTA ROAD HEADING TOWARDS MEREWENT. TURN LEFT INTO BASIL FEBRUARY ROAD WHICH THEN CONTINUES INTO BADULLA DRIVE, LEADING TO THE WORKS.		
LOCATION OF PROPOSED NEW WORK ZONES					
PHASE 2 (FUTURE WORKS)					
LABEL	STRUCTURE NAME	EWS ZONE NO.	LABEL	STRUCTURE NAME	EWS ZONE NO.
A1	PRIMARY SEDIMENTATION TANK NO. 5	3	K2	GAS HOLDER NO. 2 PIPEWORK CHAMBER	12
A2	PRIMARY SEDIMENTATION TANK NO. 6	3	L1	SLUDGE DEWATERING FACILITY	10
A3	RAW SEWAGE SPLITTER BOX NO. 2	3	L2	THIN SLUDGE SUMP	10
A4	RAW SLUDGE COLLECTION CHAMBER	3	L3	DEWATERED SLUDGE SILOS	10
A5	RAW SEWAGE CHANNELS	3	M	SLUDGE DRYING FACILITY	10
B	RAW SLUDGE PUMPSTATION	3	N1	TANKER BAY GUARD HOUSE	2
C	SLUDGE DEGRITTING FACILITY	7	N2	TANKER BAY PUMPSTATION	2
D1	SLUDGE THICKENER NO. 1	7	N3	TANKER BAY LABORATORY	2
D2	THICKENED SLUDGE PUMPSTATION NO. 1	7	N4	TANKER BAY FACILITY	2
E1	SLUDGE THICKENER NO. 2	7	O	LOW LEVEL EFFLUENT TANK NO.2	16A
E2	THICKENED SLUDGE PUMPSTATION NO. 2	7	P	LOW LEVEL EFFLUENT PUMPSTATION	16B
E3	RAW SLUDGE SPLITTER BOX	3	Q1	LAND BASED SEA OUTFALL CULVERT	16C
F1	PRIMARY DIGESTER NO. 1	9	Q2	OUTFALL AIR VALVE CHAMBER	16C
F2	PRIMARY DIGESTER NO. 2	9	R1	ADMIN BUILDING ACCESS ROAD	13
F3	MIXING PUMPSTATION UNIT 1	8	R2	TANKER BAY FACILITY ACCESS ROAD	13
F4	HEATING BUILDING UNIT 1	8	R3	DEWATERED SLUDGE SILOS ACCESS ROAD	13
G1	PRIMARY DIGESTER NO. 3	9	R4	UNIT 2 DIGESTION FACILITY ACCESS ROAD	13
G2	PRIMARY DIGESTER NO. 4	9	R5	SLUDGE DEGRITTING SKIP HANDLING AREA	13
G3	HEATING AND MIXING BUILDING NO. 2	8	S	SITE ACCESS ROAD (REHABILITATE - CONCRETE SURFACE)	13
H1	SECONDARY DIGESTER NO. 1	9	T1	SITE ACCESS ROAD (REHABILITATE - ASPHALT SURFACE)	13
H2	SECONDARY DIGESTER NO.1 PUMPSTATION	9	T2	ARCHIVES BUILDING ACCESS ROAD	13
H3	DELAGERATING PUMPSTATION	10	T3	ACTIVATED SLUDGE REACTOR ACCESS ROAD	13
I1	SECONDARY DIGESTER NO. 2	9	U	BLOWER ROOM	2
I2	SUPERNATANT LIQUOR PUMPSTATION	9	SITEWIDE	PIPE REFURBISHMENT, PROCESS PIPING, POTABLE & SECOND-CLASS WATER PIPING, ELECTRICAL WORKS, LV, MV & COMMUNICATION SYSTEMS, BULK EARTHWORKS	1/13
J1	GAS HOLDER NO. 1	11			
J2	GAS HOLDER NO. 1 PIPEWORK CHAMBER	12			
K1	GAS HOLDER NO. 2	11			



AECOM Drawing No. J01945 - 01 - WAT - 01-001 - P - 02

AECOM TEL: +27 (0)31 204 3800 FAX: +27 (0)31 204 3818 REG. No. 1969/006628/07

DURBAN OFFICE
2 MARYVALE ROAD
WESTVILLE

THE MASTER HELD AT THE AECOM DURBAN OFFICE BEARS THE ORIGINAL SIGNATURE OF APPROVAL

FUNCTION	NAME	SIGNATURE
DESIGNED BY	A. KARODIA	N/A
DRAWN BY	A. KARODIA	N/A
DESIGN CHECKED BY	S. JUGWANTH	N/A
DRAWING CHECKED BY	S. JUGWANTH	N/A

APPROVAL - CONSULTANT

NAME	H van STADEN	SIGNATURE
DATE	15/10/2015	PROFESSIONAL REG No. 980529

NOTES:

- Acceptance of this plan by Ethekwini Water and Sanitation shall not in anyway imply the acceptance by the said of any responsibility or liability for the accuracy or efficacy of any structure or design shown thereon.
- The undersigned as owner of the copyright in the plan which this endorsement appears in terms of Section 21 of the Copyright Act 1978 (Act 98 of 1978) by virtue of the fact that (i) am the employer of the author of the plan which was prepared by him in the course and scope of his duties.
- (ii) am the author of such plan, (delete whichever inapplicable) do hereby assign such copyright for all purpose to the Ethekwini Water and Sanitation.

Signature: _____ Date: _____

AS BUILT:

SIGN :	DATE :	REVISIONS
02	15/10/2015	STRUCTURE NAMES ADDED
01	27/07/2015	AMENDED LAYOUT
00	05/02/2014	PRELIMINARY ISSUE

Revision Date Description

UNDERGROUND SERVICES CHECKED

SERVICE	DATE	SIGNATURE
S.W DRAINS		
SEWERS		
WATER MAINS		
TELECOM CABLES		
ELECTRIC CABLES		
SPOORNET CABLES		
E.S.C. CABLES		
OIL PIPE LINE		

NOTE: Only underground services affected by new construction work are shown. Care must be taken during excavations for road foundations, trenches etc. to avoid damage to underground services such as sewers, drains, cables, water mains and connections. Wherever possible these must be located before work proceeds.

WATER AND SANITATION

ETHEKWINI MUNICIPALITY

ENGINEERING: DESIGN BRANCH

Contract No. WS. 6697

Project Title SOUTHERN WASTEWATER TREATMENT WORKS: SOLIDS REMOVAL AND TREATMENT FACILITIES UPGRADE - CIVILS

Project No. Y7048

Drawing Title SCOPE OF WORKS LAYOUT

Works Project Engineer: K. BRACKENBURY

Manager : (Design): D. LARKIN

Deputy Head : Technical Support: B. SONI

Drawing No.	Sheet	Rev.
54931/C/01/001/P	1 OF 1	02