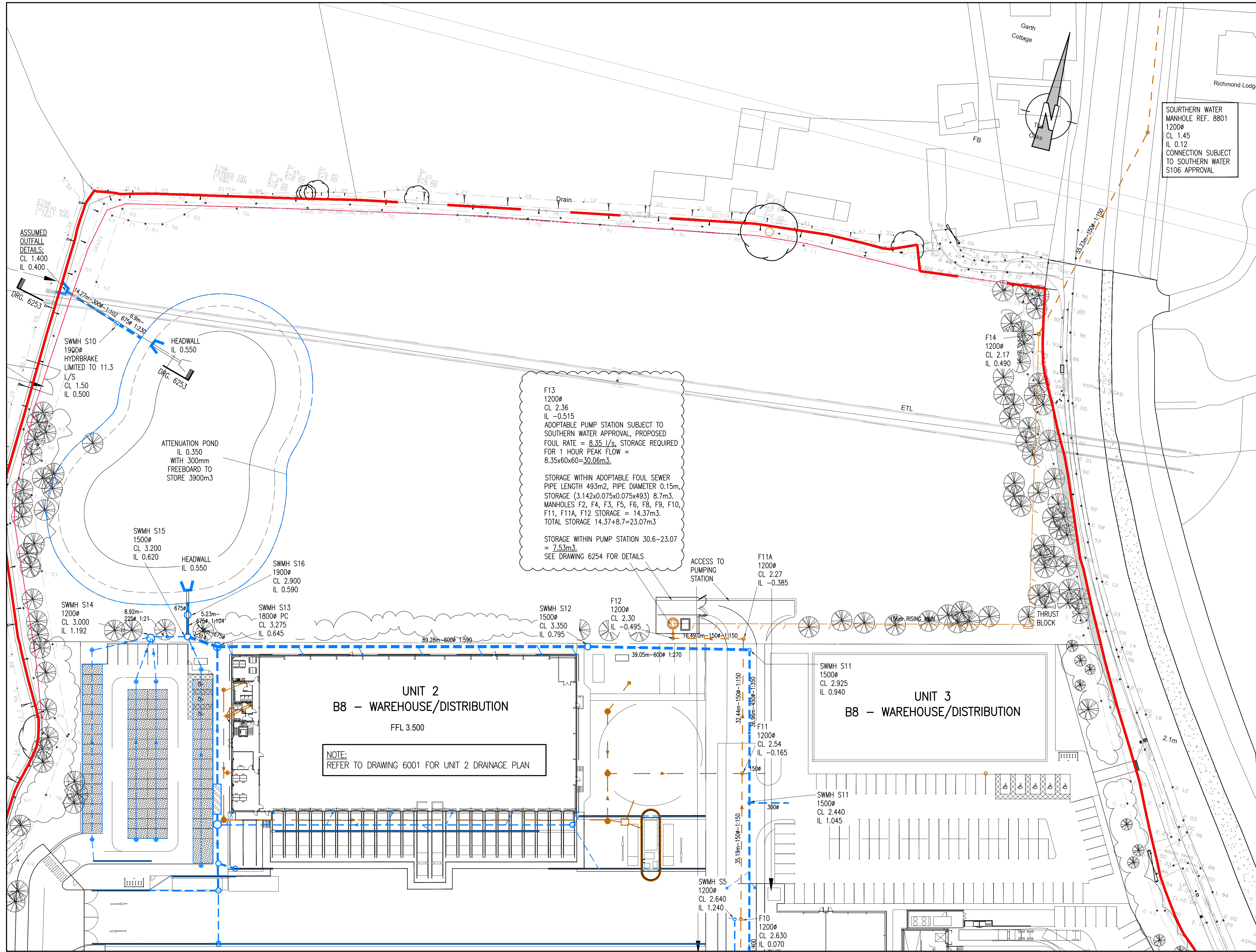




SOUTHERN WATER
MANHOLE REF. 8801
1200#
CL 1.45
IL 0.12
CONNECTION SUBJECT
TO SOUTHERN WATER
S106 APPROVAL

NOTE:
TOPOGRAPHICAL SURVEY, OS DATA, SITE PLAN
OVERLAY SHOWN INDICATIVELY AND SHOULD BE
COMPLETED BY ARCHITECT.

NOTE:
SCHEME SUBJECT TO DETAILED DESIGN

NOTE:
REFER TO DRAWING 6102 FOR KEY PLAN

LEGEND

- 150#-1:100
- SURFACE WATER PIPE OFFERED FOR
SOUTHERN WATER SECTION 104
ADOPTION
- PRECAST MANHOLE INSPECTION
CHAMBER OFFERED FOR SOUTHERN
WATER SECTION 104
- ROAD GULLY
- CHANNEL
- LINEAR CHANNEL
- HYDROBRAKE MANHOLE OFFERED FOR
SECTION 104 ADOPTION, TO BE ALARMED
AND VENTED TO MANUFACTURERS
SPECIFICATION
- POROUS PAVING WITH PERFORATED
PIPE (TYPE 3 STONE)
- FULL RETENTION PETROL INTERCEPTOR TO
BE ALARMED AND VENTED TO
MANUFACTURERS SPECIFICATION
- SWALE/STORAGE BASIN OFFERED FOR
SOUTHERN WATER SECTION 104
ADOPTION, WITH CHECK DAMS.
PLANTING BY LANDSCAPE ARCHITECT.
- HEADWALL OFFERED FOR SOUTHERN
WATER SECTION 104. FINAL DETAILS
TO MANUFACTURERS SPECIFICATION
- 150#-10#-1:100
- FOUL WATER PIPE OFFERED FOR
SOUTHERN WATER SECTION 104
- FOUL WATER MANHOLE OFFERED FOR
SOUTHERN WATER SECTION 104
- FOUL WATER PUMP STATION, TO HAVE
EMERGENCY PUMPS, TO BE ALARMED AND
VENTED WITH EMERGENCY STORAGE ALSO
PROVIDED, TO MANUFACTURERS
SPECIFICATION, OFFERED FOR SOUTHERN
WATER SECTION 104
- FOUL WATER RISING MAIN OFFERED FOR
S104 ADOPTION
- SITE BOUNDARY

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL
RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND
SPECIFICATIONS
2. THIS DRAINAGE SCHEME HAS BEEN BASED ON INFORMATION
RECEIVED UP TO THE DATE OF DRAWING ISSUE. THE CONTRACTOR
IS TO SATISFY HIMSELF OF SIZES, DEPTHS AND LOCATIONS OF ALL
EXISTING SERVICES ON SITE BEFORE COMMENCING OF ANY WORKS
AND FINAL DESIGN. ANY DISCREPANCIES, ERRORS OR OMISSIONS
ARE TO BE CLARIFIED WITH THE RELEVANT ENGINEER AT THE
EARLIEST OPPORTUNITY.
3. FOUL AND SURFACE WATER CONNECTIONS INTO THE EXISTING
PUBLIC SEWERS IS ASSUMED ONLY. FINAL CONNECTIONS LEVELS
AND DETAILS TO BE AGREED WITH THE APPROPRIATE LOCAL
AUTHORITY AND CONTRACTOR.
4. MANHOLE COVERS AND FRAMES TO BS EN 124
SERVICE YARDS AND HIGHWAYS (CLASS D400)
CAR PARKING AREAS (CLASS B125)
SOFT LANDSCAPING AND FOOTWAYS (CLASS A15)
INTERNAL MANHOLES TO HAVE DOUBLE SEALED, SCREWED DOWN
COVERS AND FRAMES AS HOWE GREEN OR SIMILAR APPROVED.
5. MANHOLE DETAILS - (MINIMUM REQUIREMENTS ONLY)

DEPTH m	TYPE	SIZE mm	PIPE DIA. mm	ACCESS mm
1.0-1.50	P.C.	1050 DIA.	< 375	600 CLEAR
< 3.0	P.C.	1200 DIA.	< 375	600 CLEAR
< 3.0	P.C.	1500 DIA.	375-700	600 CLEAR
< 3.0	P.C.	1800 DIA.	750-900	600 CLEAR
3.0-6.0	P.C.	AS < 3.0 DEPTH BUT WITH 900 DIA. ACCESS SHAFT		
< 1.0	BRICK	900x675	< 225	600 CLEAR
1.0-1.50	BRICK	1240x675	< 225	1200x600
1.50-3.0	BRICK	1240x750	< 225	600 CLEAR
< 1.2	PPIC	475 DIA.	< 150/160	475 CLEAR
1.2-3.0	PPIC	475 DIA.	< 150/160	340 CLEAR

FOR FURTHER DETAILS REFER TO MANHOLE AND PIPELINE SCHEDULES AND DETAIL DRAWINGS

6. EXTERNAL PIPE BEDDING - UNLESS NOTED OTHERWISE - SEE
SCHEDULE
- CLASS F: 100mm MINIMUM GRANULAR BED WITH SELECTED BACKFILL TO
300mm ABOVE CROWN OF PIPE
- CLASS B: 100mm MINIMUM GRANULAR BED & HAUNCH TO HALF PIPE
HEIGHT WITH SELECTED BACKFILL TO 300mm ABOVE CROWN OF PIPE
7. INTERNAL PIPE RUNS UNDER BUILDINGS, ETC. TO HAVE 100mm
MINIMUM GRANULAR BED AND SURROUND WITH SELECTED BACKFILL
WHERE PIPE IS WITHIN 300 OF THE UNDERSIDE OF SLAB 150 MINIMUM
CONCRETE SURROUND TO BE PROVIDED
8. ALL RAINWATER PIPES TO HAVE ACCESSIBLE RODDING POINTS OR
INCORPORATED GULLIES WHERE REQUIRED.
9. ALL ROAD GULLIES TO BE TRAPPED & HAVE 150mm DIA. OUTLETS
10. WHERE COVER TO PIPES IS LESS THAN 600mm IN ROADS AND
600mm ELSEWHERE PROVIDE CONCRETE SURROUND OR PROTECTION SLAB
UNLESS NOTED OTHERWISE. ALL TO BE IN ACCORDANCE WITH
MANUFACTURERS DEPTH/LOADING REQUIREMENTS
11. CLAY PIPEWORK UP TO & INCLUDING 300mm DIA. TO BE CLAY
(EXTRA STRENGTH) TO BS EN 295 ON CLASS F BEDDING. ABOVE 300mm
DIA. PIPES TO BE CONCRETE (CLASS H) TO BS 5911 ON CLASS B
BEDDING UNLESS NOTED OTHERWISE.
12. FOUL DRAINAGE TO BE AS 'WAVIN OSMA SOLID WALL / ULTRARIB'
TO BS 4660 & EN1401 ON CLASS S BEDDING OR SIMILAR
APPROVED, ALL INSTALLED TO MANUFACTURERS RECOMMENDATIONS,
UNLESS NOTED OTHERWISE.
13. SURFACE WATER DRAINAGE PIPEWORK TO BE AS 'WAVIN OSMA
TWIN WALL SYSTEM' TO BS 4660 & EN1401 ON CLASS S BEDDING
OR SIMILAR APPROVED, ALL INSTALLED TO MANUFACTURERS
RECOMMENDATIONS, UNLESS NOTED OTHERWISE.
14. DRAINAGE CHANNELS TO BE AS 'ACO' OR SIMILAR APPROVED AS
FOLLOWS:
CAR PARKS: 0-MAX OR W1000 CHANNELS WITH D.I. HEELGUARD
GRATING (LOAD CLASS C250) UNLESS NOTED OTHERWISE
SERVICE YARD, PFS. & GARDEN CENTRE AREAS: 0-MAX OR W1000
CHANNELS WITH D.I. GRATING (LOAD CLASS D400) UNLESS NOTED
OTHERWISE.
- ALL OUTLETS TO HAVE 150 DIA. TRAPPED GULLYS OR SUMP UNITS WITH
TRASH BUCKETS TO SUIT UNLESS NOTED OTHERWISE.
- THE CONTRACTOR TO LIAISE WITH CHANNEL MANUFACTURER (ACO) WITH
REGARD TO DEPTH, DETAILS AND PART COMPONENT ARRANGEMENT, ETC.
15. ARCHITECT TO ADVISE ON FINAL POSITIONS OF RAINWATER PIPES AND
FOULWATER OUTLETS IN GROUND FLOOR SLAB.
16. EXISTING SEWERS WHICH ARE OR WILL BE DISUSED ARE TO BE
TRACED, AND ANY DRAIN WHICH SHOWS SIGNS OF FLOW SHOULD BE
INVESTIGATED TO ESTABLISH ITS ORIGIN AND AUTHENTICITY, AND REPORTED
TO THE ENGINEER.
17. NO SEWER SHALL BE ABANDONED UNTIL THE CONTRACTOR HAS
CONFIRMED THAT THERE ARE NO CONNECTIONS REMAINING.
18. ALL ADOPTABLE DRAINAGE TO BE CONSTRUCTED IN ACCORDANCE WITH
SEWERS FOR ADOPTION 6th EDITION AND THE APPROPRIATE LOCAL
AUTHORITIES ADDENDUM.
19. UPON COMPLETION OF THE WORKS A FULL SET OF TEST RECORDS
FOR WATER TIGHTNESS AND INTEGRITY OF THE WHOLE UNDERGROUND
DRAINAGE SYSTEM SHALL BE ISSUED TO THE EMPLOYERS AGENT.
20. FIVE DAYS PRIOR TO PRACTICAL COMPLETION THE CONTRACTOR SHALL
ALSO INCLUDE FOR ARRANGING AND PROVIDING A FULL CLOSED CIRCUIT
TELEVISION (CCTV) VIDEO RECORD ON CD SHOWING THE CONDITION OF
THE ENTIRE BELOW GROUND DRAINAGE SYSTEM, AS INSTALLED. A COPY
OF THE CD SHALL BE HANDLED TO THE EMPLOYERS AGENT. THIS SHALL
BE PRESENTED AS A SEPARATE COST ITEM, ALL TO BE AGREED WITH THE
CLIENT.

TENDER ISSUE

P5	FOUL PUMP NOTE REVISED AS SHOWN	DO	SH	04.01.19
P4	REVISED TO SUIT LATEST ARCHITECT'S DRAWING.	DO	SH	23.11.18
P3	FOUL PUMP STATION LOCATION REVISED	DO	SH	15.11.18
P2	REVISED TO SUIT LATEST ARCHITECT'S DRAWING	DO	SH	09.11.18
P1	ISSUED FOR INFORMATION	DO	SH	29.10.18
Rev.	Description	Do.	Sh.	Date

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Client:
LANDLINK ESTATES

Architect:
MOUNTFORD PIGOTT

Project:
SALTBOX SITE
BOGNOR REGIS

Drawing Title:
PHASE 1
DRAINAGE STRATEGY
SHEET 3 OF 3

Drawn:
DO

Checked/Approved:
KJ

Date:
OCT 2018

Sheet Size:
A1

Scale:
1:500

KSA Project Number:
6090

Suit:
D2

Revision:
P5

Project: SBX KSA-Z0-XX-DR-C-6103

Originator: KSA

Zone: Z0

Level: XX

Type: DR

Rate: C

Number: 6103