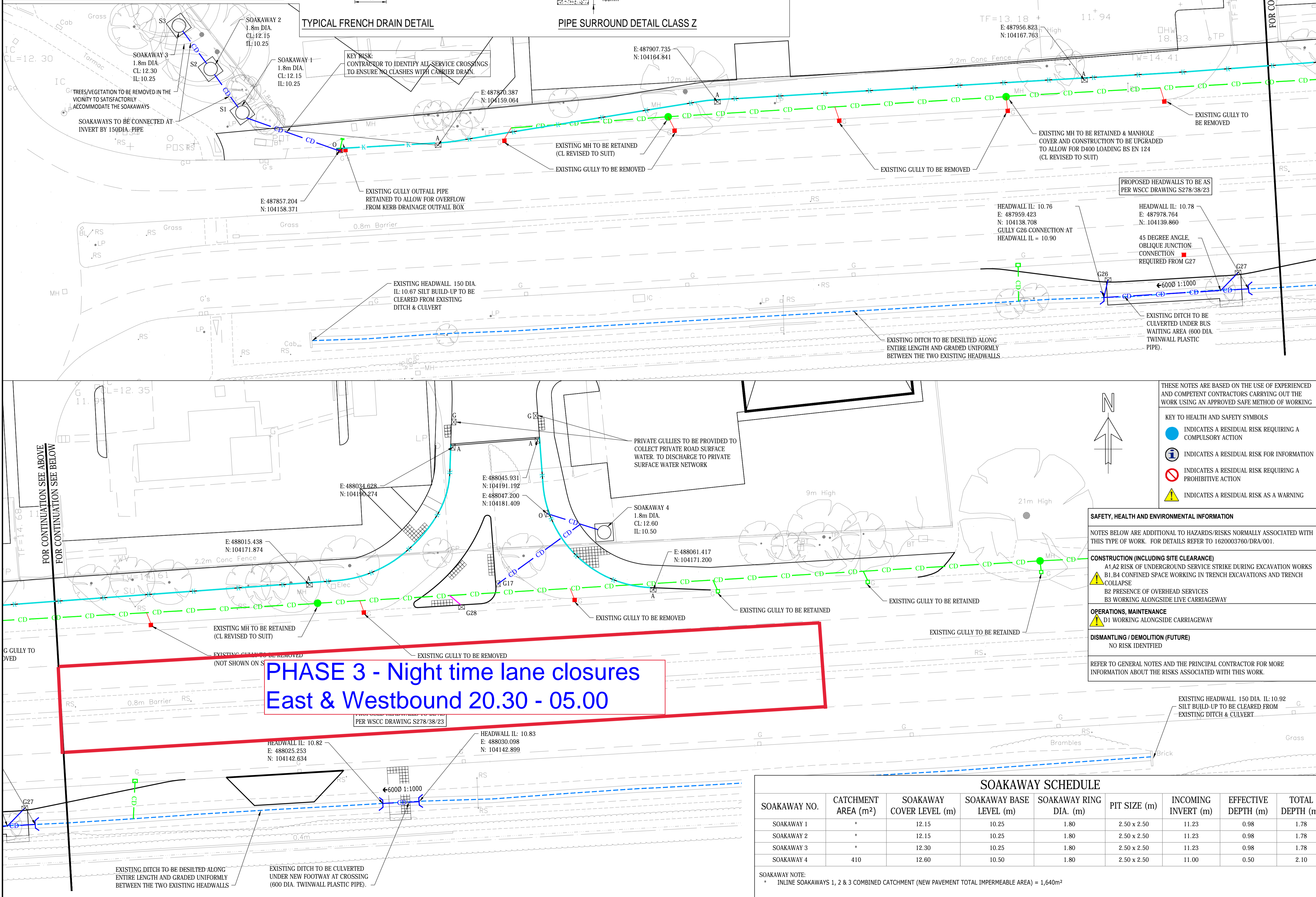


SETTING OUT				
REF.	TYPE	COVER LEVEL (m)	EASTING	NORTHING
S1	RING SOAKAWAY	12.15	487844.206	104163.425
S2	RING SOAKAWAY	12.15	487839.956	104169.237
S3	RING SOAKAWAY	12.30	487835.705	104175.048
S4	RING SOAKAWAY	12.60	488054.858	104178.897
G17	ROAD GULLY	11.91	488040.651	104172.017
G26	ROAD GULLY	11.76	487959.978	104140.761
G27	ROAD GULLY	11.80	487977.417	104141.746
G28	ROAD GULLY	11.98	488035.779	104168.894



THE CONCRETE IS TO BE NON-CONTINUOUS OVER FLEXIBLE PIPE JOINTS. CONCRETE IS TO BE BROKEN BY THE PROVISION OF A BITUMEN IMPREGNATED INSULATION BOARD AT THE JOINT.

FOR PIPES WITH LESS THAN 1200mm COVER IN VEHICULAR AREAS (OR LESS THAN 900mm COVER IN SOFT AREAS).

FREE DRAINING GRANULAR MATERIAL SIZE 4/20mm TO BS EN 1242

TERRAM T1000 GEO-TEXTILE AROUND TRENCH

COMPACTED CLASS 6F1 BACKFILL UNDER VEHICULAR AREAS (SELECTED AS-DUG MATERIAL ELSEWHERE TO BE FREE FROM STONES LARGER THAN 40mm, LUMPS OF CLAY OVER 100mm, FROZEN MATERIAL AND VEGETABLE MATTER)

150mm
150mm THICK ST4 CONCRETE SURROUND TO PIPEWORK
150mm

KEY NOTE:

- SOAKAWAYS HAVE BEEN SIZED BASED ON ADDITIONAL PROPOSED IMPERMEABLE AREA & CONTAINMENT OF THE 1 IN 100 YEAR STORM SCENARIO PLUS 40% FOR CLIMATE CHANGE.
- ALL EXISTING RETAINED PIPEWORK UNDER NEW HARD STANDING TO BE CLEARED & PROTECTED WITH CLASS Z SURROUND WHERE DEPTH FROM SURFACE TO SOFFIT LEVEL OF PIPE < 1.2M.

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- Notes
- DO NOT SCALE FROM THIS DRAWING.
 - ALL DIMENSIONS ARE METRES U.N.O.
 - ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - THE CONTRACTOR IS TO ENSURE THAT ALL BURIED SERVICES ARE LOCATED PRIOR TO CARRYING OUT ANY EXCAVATION.
 - THE POSITION & LEVEL OF ALL EXISTING DRAINAGE IS TO BE SURVEYED BY THE CONTRACTOR & RESULTS PROVIDED TO THE ENGINEER PRIOR TO ANY WORK COMMENCING.
 - ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH LOCAL WATER AUTHORITY, SEWERS FOR ADOPTION (LATEST EDITION), THE ENVIRONMENT AGENCY, LOCAL COUNCIL & THE SPECIFICATION FOR HIGHWAYS WORKS (LATEST EDITION).
 - TRAFFIC SIGNAL DESIGN BY "TELENT".
 - LIGHTING DESIGN BY "SSE".
 - LEVEL TEXT REMOVED FROM TOPO SURVEY FOR CLARITY.
 - REFER TO THE FOLLOWING DRAWINGS FOR DETAILED INFORMATION:
 - 0000 SERIES - LOCATION PLAN
 - 0100 SERIES - GENERAL ARRANGEMENTS
 - 0200 SERIES - SITE CLEARANCE
 - 0400 SERIES - ROAD RESTRAINTS
 - 0500 SERIES - DRAINAGE PLAN
 - 0700 SERIES - PAVEMENT & KERBS
 - 1200 SERIES - ROAD MARKINGS & SIGNS
 - 0101 SERIES - HIGHWAYS LONG SECTION
 - 0102 SERIES - HIGHWAYS CROSS SECTIONS

- KEY**
- PROPOSED DRAINAGE**
- PROPOSED ROAD GULLY
 - PROPOSED LATERAL CONNECTION (1500 UNLESS OTHERWISE STATED)
 - PROPOSED CARRIER DRAIN
 - PROPOSED MANHOLE CHAMBER
 - PROPOSED FRENCH DRAIN
 - PROPOSED SOAKAWAY
 - HEADWALL, AS PER WSSC STANDARD DETAIL DRAWING S278/38/23
 - PROPOSED KERB DRAIN, AS PER WSSC STANDARD DETAIL DRAWING S278/38/02
 - PROPOSED KERB DRAIN ACCESS POINT
 - PROPOSED KERB DRAIN OUTLET POINT
- EXISTING DRAINAGE**
- EXISTING 150 DIA. CARRIER DRAIN
 - EXISTING MANHOLE TO BE RETAINED (COVER LEVELS REVISED TO SUIT)
 - EXISTING GULLY TO BE RETAINED
 - EXISTING CARRIER TO BE REMOVED
 - EXISTING GULLY TO BE REMOVED
 - EXISTING DITCH

THESE NOTES ARE BASED ON THE USE OF EXPERIENCED AND COMPETENT CONTRACTORS CARRYING OUT THE WORK USING AN APPROVED SAFE METHOD OF WORKING

- KEY TO HEALTH AND SAFETY SYMBOLS**
- INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
 - INDICATES A RESIDUAL RISK FOR INFORMATION
 - INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
 - INDICATES A RESIDUAL RISK AS A WARNING

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

NOTES BELOW ARE ADDITIONAL TO HAZARDS/RISKS NORMALLY ASSOCIATED WITH THIS TYPE OF WORK. FOR DETAILS REFER TO 1620003760/DRA/001.

- CONSTRUCTION (INCLUDING SITE CLEARANCE)**
- A1 A2 RISK OF UNDERGROUND SERVICE STRIKE DURING EXCAVATION WORKS
 - B1 B4 CONFINED SPACE WORKING IN TRENCH EXCAVATIONS AND TRENCH COLLAPSE
 - B2 PRESENCE OF OVERHEAD SERVICES
 - B3 WORKING ALONGSIDE LIVE CARRIAGEWAY
- OPERATIONS, MAINTENANCE**
- D1 WORKING ALONGSIDE CARRIAGEWAY
- DISMANTLING / DEMOLITION (FUTURE)**
- NO RISK IDENTIFIED
- REFER TO GENERAL NOTES AND THE PRINCIPAL CONTRACTOR FOR MORE INFORMATION ABOUT THE RISKS ASSOCIATED WITH THIS WORK.

C01	APPROVED FOR CONSTRUCTION	05/06/2018	NJ	MRD
Rev	Description	Date	By	App

APPROVED FOR CONSTRUCTION

BOGNOR ROAD S278



DRAINAGE PLAN

SOAKAWAY SCHEDULE								
SOAKAWAY NO.	CATCHMENT AREA (m ²)	SOAKAWAY COVER LEVEL (m)	SOAKAWAY BASE LEVEL (m)	SOAKAWAY RING DIA. (m)	PIT SIZE (m)	INCOMING INVERT (m)	EFFECTIVE DEPTH (m)	TOTAL DEPTH (m)
SOAKAWAY 1	*	12.15	10.25	1.80	2.50 x 2.50	11.23	0.98	1.78
SOAKAWAY 2	*	12.15	10.25	1.80	2.50 x 2.50	11.23	0.98	1.78
SOAKAWAY 3	*	12.30	10.25	1.80	2.50 x 2.50	11.23	0.98	1.78
SOAKAWAY 4	410	12.60	10.50	1.80	2.50 x 2.50	11.00	0.50	2.10

SOAKAWAY NOTE:
* INLINE SOAKAWAYS 1, 2 & 3 COMBINED CATCHMENT (NEW PAVEMENT TOTAL IMPERMEABLE AREA) = 1,640m²