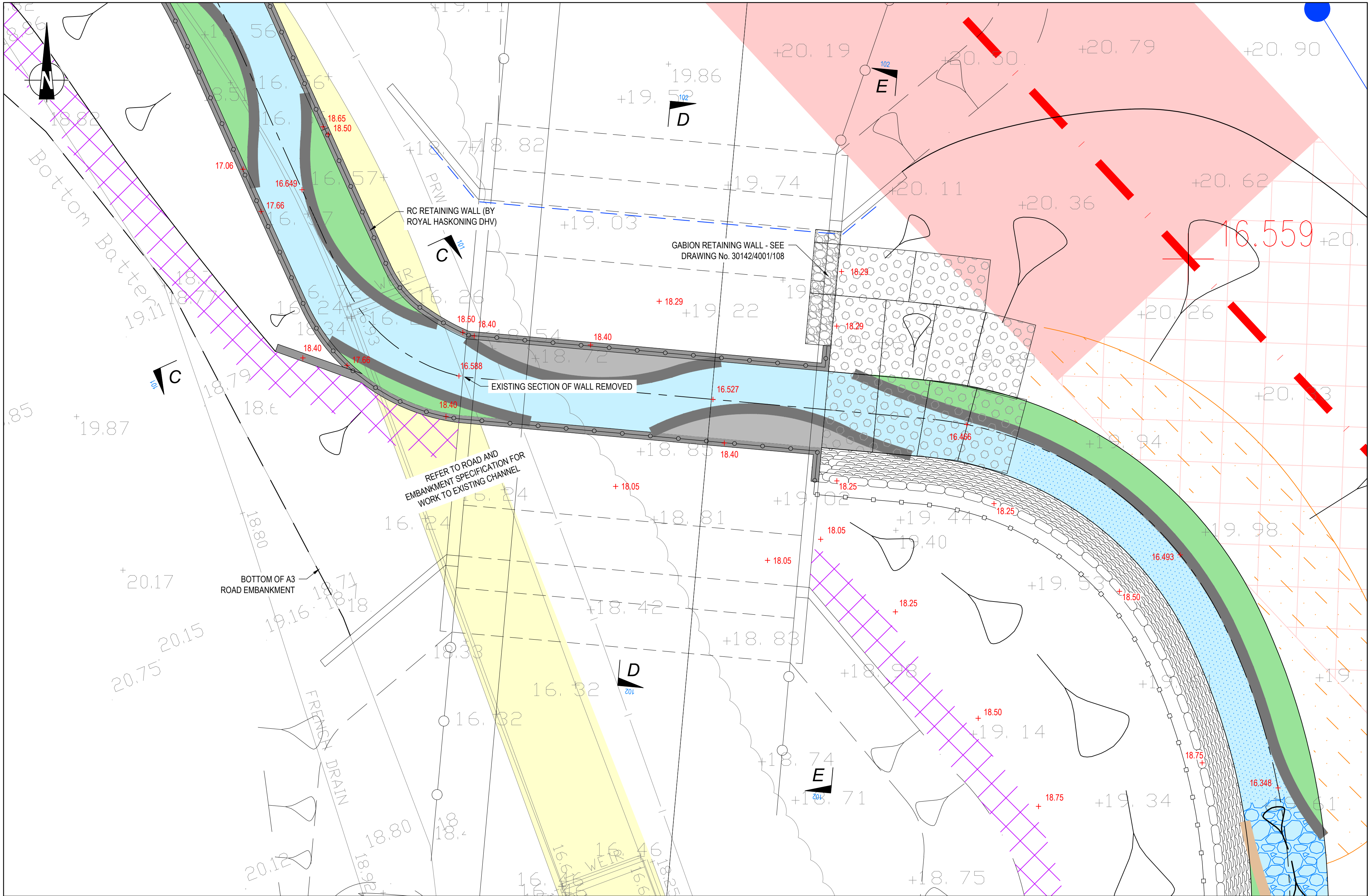
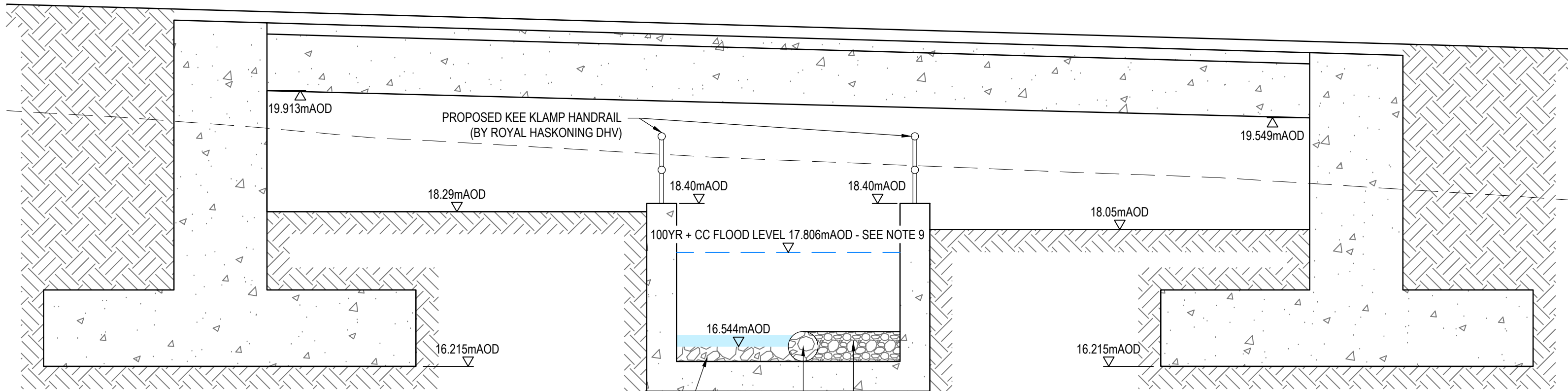




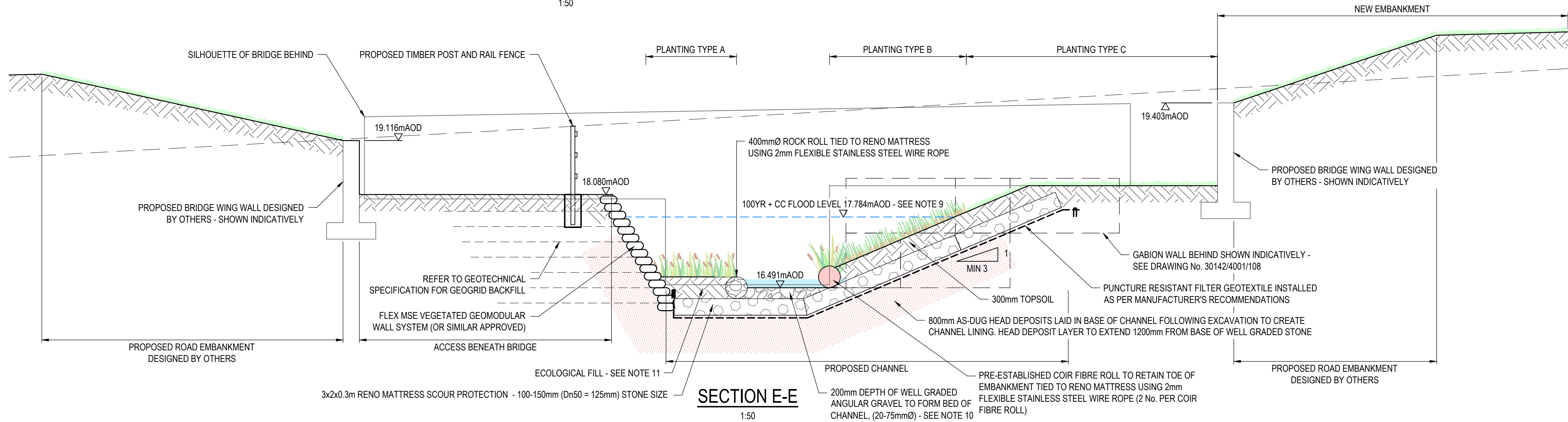
PLAN ON PROPOSED ROAD BRIDGE

1:100



SECTION D-D

1:50



SECTION E-E

1:50

SHE BOX	
CONSTRUCTION	
HAZARD	MITIGATION
1. DE-STABILISATION OF A3 EMBANKMENT	MINIMUM 1.5m BUFFER TO BE PROVIDED BETWEEN BOTTOM OF EXISTING A3 EMBANKMENT AND ANY NEW EXCAVATION NO VEHICLE TRACKING ON THE A3 EMBANKMENT
2. DE-STABILISATION OF FLEX MSE	MAXIMUM SURCHARGE LOAD ABOVE FLEX MSE EMBANKMENTS NEVER TO EXCEED 5kN/m ² . 0.5m VEHICLE TRACKING BUFFER FROM EDGE OF EMBANKMENT TO BE MAINTAINED AT ALL TIMES.
3. DAMAGE TO EXISTING 1025mm FOUL SEWER	CONTRACTOR TO LOCATE EXISTING FOUL SEWER PRIOR TO EXCAVATION. IF ALIGNMENT OR DEPTH IS DIFFERENT TO THAT SHOWN ON DRAWINGS THEN CONTRACTOR SHOULD NOTIFY ENGINEER BEFORE PROCEEDING
MAINTENANCE / CLEANING / OPERATION	
1. WORKING AT HEIGHT	CONTRACTOR TO ENSURE SAFE METHOD OF WORKING FOR ALL MAINTENANCE TASKS.
2. MAINTENANCE OF CHANNEL AT BED LEVEL, WITHIN WATERCOURSE	CONTRACTOR'S SAFE METHOD OF WORKING TO CONSIDER (BUT NOT LIMITED TO): • SAFE ACCESS; • WEATHER AND STREAM FLOW CONDITIONS; • COLLECTION OF VEGETATION DEBRIS.
3. CHANNEL BECOMING OVERGROWN, INCREASING FLOOD RISK DUE TO REDUCED CONVEYANCE	MAINTENANCE SCHEDULE TO BE ADHERED TO.
4. HIGH BANKS ABOVE WATERCOURSE	FENCING TO PROVIDE BARRIER TO WATERCOURSE WITH ACCESS POINTS PROVIDED FOR MAINTENANCE ACCESS.
5. DAMAGE TO GEOTEXTILE BEHIND FLEX MSE	CONTRACTOR TO ENSURE ANY FUTURE EXCAVATION DOES NOT DAMAGE GEOTEXTILE ANCHORS FOR FLEX MSE.
6. DAMAGE TO FLEX MSE	VEGETATION STRIMMING TO AVOID DAMAGE TO GEOTEXTILE BAGS.
DEMOLITION / DECOMMISSIONING	
1. EMBANKMENTS BECOMING UNSTABLE DUE TO OVER EXCAVATION OF TOE (A3 EMBANKMENT, FLEX MSE).	1.5m BUFFER TO BE MAINTAINED AS A MINIMUM FROM TOE OF A3 EMBANKMENT.
2. AS CONSTRUCTION HAZARD 3	
3. AS MAINTENANCE HAZARD 5	

KEY:	
+ 18.05	PROPOSED GROUND LEVELS
	PROPOSED WATERCOURSE REALIGNMENT
	ABANDONED CHANNEL
	EXISTING 1.0250 FOUL WATER SEWER
	7m SEWER EASEMENT (CONFIRMED)
	7m SEWER EASEMENT (ASSUMED)
	IN-CHANNEL IMPROVEMENTS - ROCK ROLLS
	IN-CHANNEL IMPROVEMENTS - COIR FIBRE ROLL
	IN-CHANNEL IMPROVEMENTS - PLANTING
	IN-CHANNEL IMPROVEMENTS - GRAVEL FILL (20-75mmØ)
	MACMAT-R SCOUR PROTECTION (OR SIMILAR APPROVED)
	RENO MATTRESS SCOUR PROTECTION (OR SIMILAR APPROVED)
	IN-CHANNEL IMPROVEMENTS - RIFFLE
	IN-CHANNEL IMPROVEMENTS - POOL
	PEDESTRIAN ACCESS - MINIMUM 1.5m WIDTH (SELF-BINDING GRAVEL)
	DORMOUSE UNDERPASS (ATTACHED TO BRIDGE ABUTMENT)
	PROPOSED KEE KLAMP HANDRAIL (BY ROYAL HASKONING DHV)
	PROPOSED TIMBER POST AND RAIL FENCE - SEE DRAWING No. 30142/4001/108

- NOTES:
- TO BE READ IN CONJUNCTION WITH ALL OTHER RELATED PBA DRAWINGS, DRAWING NUMBERS 30142/4001/100-110.
 - ALL LEVELS ARE IN METRES AND RELATIVE TO ORDNANCE DATUM (NEWLYN).
 - TOPOGRAPHIC SURVEY TAKEN FROM ROYAL HASKONING DRAWING PB2348-SK-03 DATED NOVEMBER 2014.
 - BRIDGE ALIGNMENT TAKEN FROM ROYAL HASKONING DRAWING PB2348-P-05-D1 DATED FEBRUARY 2015.
 - LOCATION OF 1025mm SEWER CONFIRMED ON SITE. CO-ORDINATES FOR CENTERLINE OF SEWER PROVIDED BY VOLKER FITZPATRICK IN EMAIL DATED 14TH JANUARY 2015.
 - TREE SURVEY TAKEN FROM ATKINS DRAWING DHFSI-ATK-TP30-XX-DR-L-0101 DATED JANUARY 2014.
 - DRAINAGE FROM ATTENUATION POND AND FOUL SEWER TAKEN FROM ROYAL HASKONING DRAWING PB2348-500-02 D2 DATED OCTOBER 21.01.15.
 - PROPOSALS HAVE BEEN DESIGNED IN ACCORDANCE WITH ECOLOGISTS RECOMMENDATIONS.
 - 1 IN 100 YEAR + 30% ALLOWANCE FOR CLIMATE CHANGE MODELLED FLOOD LEVEL TAKEN FROM ATKINS MODEL HERMITAGE - 100YR-30%CC NEW2 - N.DAT. FLOOD LEVELS QUOTED HAVE BEEN INTERPOLATED FROM THE MODEL AND ARE THEREFORE APPROXIMATE.
 - LOCALLY SOURCED WELL GRADED ANGULAR GRAVEL, 20-75mmØ TO FORM BED OF CHANNEL. PLACEMENT OF STONE TO AVOID COMPACTION - SEE PBA DRAWING No. 30142/4001/110 FOR SPECIFICATION.
 - SITE-WON MATERIAL TO BE REUSED FROM ELSEWHERE ALONG THE STREAM WHERE POSSIBLE BEHIND THE ROCK ROLLS/COIR FIBRE ROLLS, OR AQUATIC SOIL (MEDIUM TO HEAVY LOAM WITH SLOW RELEASE FERTILISER) AT A DEPTH OF 200-300mm, WITH FINE WOVEN HESSIAN (BIODEGRADABLE) WRAPPING BEHIND THE COIR AND CONTAINING THE SOIL.
 - SEE TERRAFIRMA DRAWING No. 1569-1009 FOR PLANTING TYPES.
 - REFER TO DRAWING No. 30142/4001/110 FOR FILTER GEOTEXTILE SPECIFICATION.

D	RIFFLE AND POOL DESIGN AMENDED, NOTES AMENDED	smr	10.07.15	NKA
C	NOTE 11 AMENDED	smr	12.06.15	NKA
B	SCOUR PROTECTION AMENDED	smr	09.06.15	SAN
A	BANK DETAILS AMENDED AND SECTION E-E ADDED	AEW	07.05.15	NKA
Mark	Revision	Drawn	Date	Chkd

SCALING NOTE: Do not scale from this drawing. If in doubt, ask.
UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake his own investigation where the presence of any existing sewers, services, plant or apparatus may affect his operations.

Drawing Issue Status

FOR APPROVAL

DUNSBURY HILL FARM, HAVANT

PROPOSED CHANNEL REALIGNMENT
STREAM DIVERSION UNDER PROPOSED BRIDGE

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PORTSMOUTH CITY COUNCIL			
Date of 1st Issue	Drawn by		
17.02.2015	smr		
B1 Scale	Checked by		
AS SHOWN	SAN		
Drawing Number	Revision		
30142/4001/102	D		