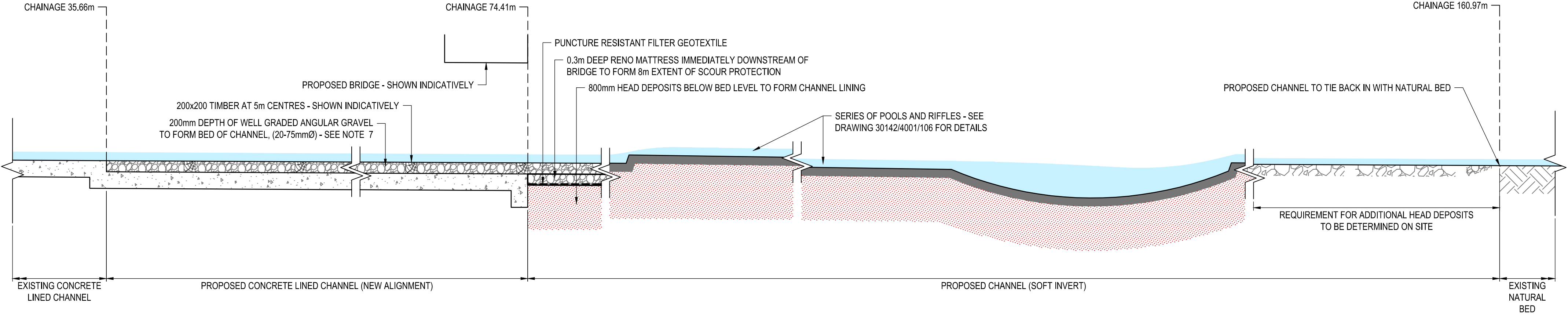




SCHEMATIC SECTION ALONG PROPOSED NEW CHANNEL
SHOWING VARIATIONS IN BED CONSTRUCTION
NTS



PLAN ON IMPROVEMENTS
1:200

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/m². 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:	
	PROPOSED WATERCOURSE REALIGNMENT
	RENO MATTRESS SCOUR PROTECTION (OR SIMILAR APPROVED)
	IN-CHANNEL IMPROVEMENTS - ROCK ROLLS
	IN-CHANNEL IMPROVEMENTS - COIR FIBRE ROLL
	IN-CHANNEL IMPROVEMENTS - PLANTING
	IN-CHANNEL IMPROVEMENTS - GRAVEL FILL (20-75mmØ)
	IN-CHANNEL IMPROVEMENTS - RIFFLE
	IN-CHANNEL IMPROVEMENTS - POOL
	PROPOSED OUTFALL FROM ATTENUATION POND

- NOTES:**
- 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.
 - PROPOSALS HAVE BEEN DESIGNED IN ACCORDANCE WITH ECOLOGISTS RECOMMENDATIONS.
 - TO BE READ IN CONJUNCTION WITH ALL OTHER RELATED PBA DRAWINGS, DRAWING NUMBERS 30142/4001/100-110.
 - 1 IN 100 YEAR + 30% ALLOWANCE FOR CLIMATE CHANGE MODELLED FLOOD LEVEL TAKEN FROM ATKINS MODEL HERMITAGE_100YR+30%CC_NEW2_+N.DAT.
 - 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.
 - REFER TO DRAWING No. 30142/4001/110 FOR FILTER GEOTEXTILE SPECIFICATION.

Mark	Revision	Drawn	Date	Chkd
B	POOL AND RIFFLE PROFILE AMENDED	smr	10.07.15	NKA
A	IN CHANNEL IMPROVEMENTS AMENDED	smr	09.06.15	SAN

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
IN-CHANNEL IMPROVEMENTS SHEET 1 OF 2

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PORTSMOUTH CITY COUNCIL		
Date of 1st Issue	Drawn by	
07.05.2015	AEW	
A1 Scale	Checked by	
AS SHOWN	NKA	
Drawing Number	Revision	
30142/4001/104	B	