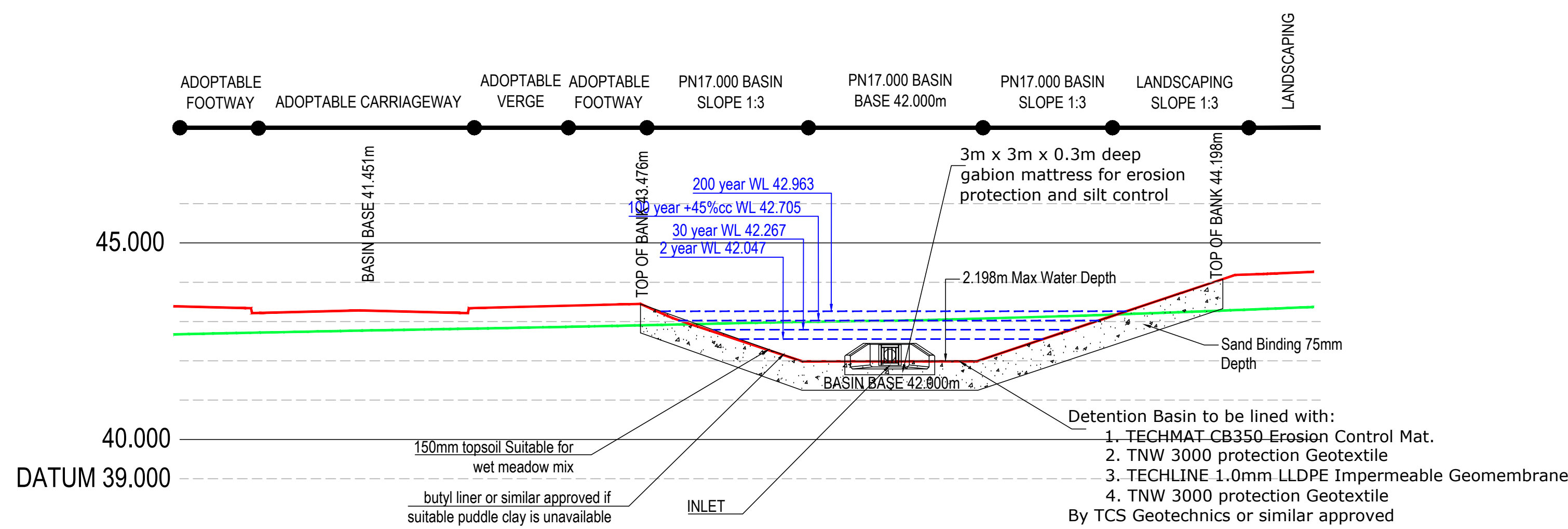
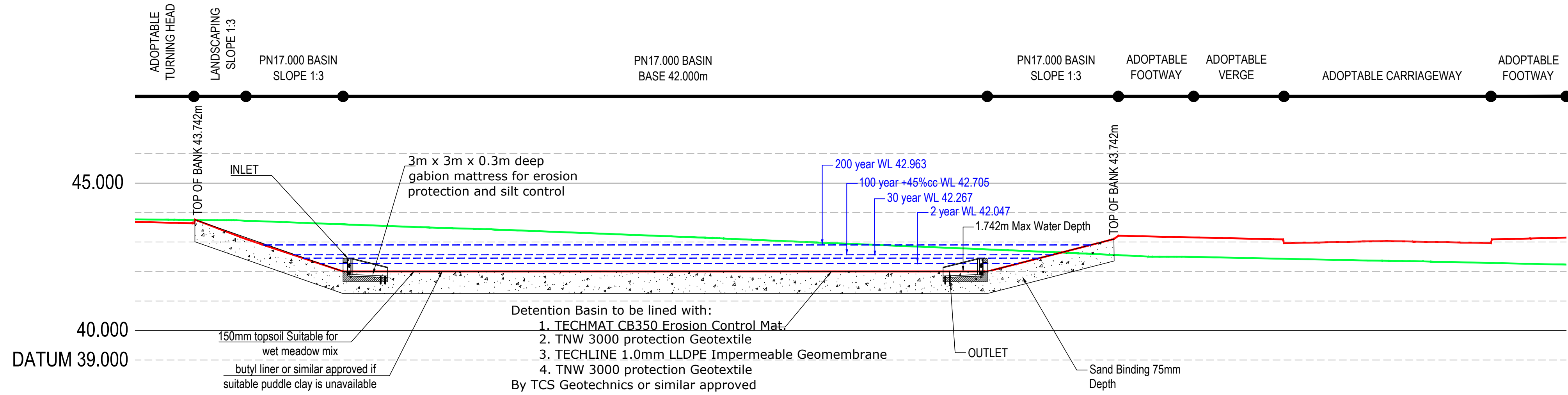


CHAINAGE	0.000	10.000	20.000	29.056
EXISTING TOPOGRAPHY (GREEN)	42.683	42.876	43.071	43.381
PROPOSED MODEL (RED)	43.401	43.413	42.000	44.277



CHAINAGE	0.000	10.000	20.000	30.000	40.000	48.521
EXISTING TOPOGRAPHY (GREEN)	43.768	43.490	43.117	42.703	42.408	42.232
PROPOSED MODEL (RED)	43.682	42.000	42.000	42.284	42.983	43.147



SETTING OUT SHALL BE UNDERTAKEN USING ONLY THE INFORMATION GIVEN. DISTANCES SHOULD NOT BE SCALED FROM THIS DRAWING.

ALL SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 6TH EDITION AND UNITED UTILITIES DETAILS & GUIDELINES.

THE MINIMUM GRAVITY PIPE DIAMETER UNDER ADOPTABLE HIGHWAYS SHALL BE 150mm

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION GIVEN WITH REGARD TO EXISTING SERVICES AND DRAINAGE CONNECTIONS ETC. PRIOR TO COMMENCING THE WORKS. THE RATES SHALL INCLUDE FOR HAND DIG ABOVE SERVICES WHERE NECESSARY. THE CONTRACTOR SHALL ADHERE TO THE CDM REGULATIONS AT ALL TIMES

THE OUTSIDES OF ALL SEWERS SHALL BE A MINIMUM OF 1.0m FROM KERB LINES AND THE OUTSIDE OF MANHOLES SHALL BE A MINIMUM OF 0.5m FROM KERB LINES

EXISTING FLOWS IN WATERCOURSES, SEWERS AND LAND DRAINS SHALL BE MAINTAINED AT ALL TIMES

ONLY TRAINED PERSONNEL SHALL BE PERMITTED TO ENTER CONFINED SPACES

ALL MATERIALS TO BEAR THE RELEVANT B.S. KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT RESISTANCE WITHOUT FROM SOILS AND GROUNDWATER WILL NOT OCCUR TO WITHSTAND A CLASS

ALL OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS ETC. ARE TO BE OBTAINED PRIOR TO COMMENCEMENT OF WORKS. ALL WORKS ARE TO BE INSPECTED BY A L.A. NHC OR THE NETWORK OPERATOR AS APPROPRIATE.

WHERE "ULTRA RIB" UPVC PIPES (OR SIMILAR APPROVED) ARE USED IN ADOPTABLE DRAINAGE THEY SHALL STILL BE HANDLED AND LAID IN ACCORDANCE WITH THE SPECIFICATION AND GUIDANCE ISSUED BY THE HIGH PERFORMANCE PIPE ASSOCIATION.

A CLASS 3 BED AND SURROUND MUST BE USED FOR SUCH PIPES. TRENCH BACKFILL IN HIGHWAYS TO WITHIN 1M OF HIGHWAY SHALL AS DIRECTED BY THE HIGHWAY AUTHORITY BE A SUITABLE GRANULAR MATERIAL ALL IN ACCORDANCE WITH SEWERS FOR ADOPTION CL. 4.3.4.

S LAB LEVELS SHALL NOT BE VARIED WITHOUT REFERENCE TO THE ENGINEER FOR GUIDANCE

DOMESTIC DRAINAGE SHALL BE TO BUILDING REGULATIONS APPROVED DOWNS TO 100mm UPVC C/P PIPES LAID TO THE FOLLOWING MINIMUM FALLS UNLESS OTHERWISE SHOWN.

	FOUL	S.W.
HEAD RUN	1 IN 40	1 IN 60
ELSEWHERE	1 IN 80	1 IN 100

ALL GULLY CONNECTIONS TO BE 150mm VITRIFIED CLAY UNLESS NOTED OTHERWISE

MINIMUM COVER TO DRAINAGE SLOPE LEVEL:	LANDSCAPING
TRAFFICKED AREAS	HIGHWAYS
0.900m	1.200m

CLASS 3 BEDDING AND SURROUND TO BE USED WHERE MINIMUM COVER IS ACHIEVED.

WHERE MINIMUM COVER IS NOT ACHIEVED CLASS 2 BEDDING AND SURROUND (CONCRETE ENCASEMENT) IS TO BE USED.

FOR SEDIMENT FOREBAY DRAWING PLEASE CHECK DRAWING HG/AJ/PX-XX-00-DR-C-1752 SECTION 104 SEDIMENT FOREBAY DETAIL 17.002

- STND/19/001 - TYPE 1 MANHOLE
- STND/19/002 - TYPE 2 MANHOLE & INVERT ACCESS DETAIL
- STND/19/003 - SHALLOW MANHOLE DETAIL FOR SMALL DIAMETER PIPES
- STND/19/004 - SHALLOW SW MANHOLE DETAIL
- STND/19/007 - EXTERNAL AND INTERNAL BACKDROPS
- STND/19/008 - PIPE EMBEDMENT DETAILS
- STND/19/010 - VARIABLE MANHOLE GUIDANCE NOTES

P#	DATE	VALUE ENGINEERING ENGINEERING UNDERSTAND	BY	CHK	APP
P11	11/10/2024				
P10	19/07/2024	SEDIMENT FORMER AND HEADWALL ADDED TO PLANS & SECTIONS			
P9	07/07/2024	DRAWING ADDED TO INCLUDE EROSION PROTECTION ON ALL FLOW SURFACES			
P8	29/06/2024	DRAWING ADDED TO HAVE CORROSION PROTECTION AND MAND POND LAYOUT			
P7	21/06/2024	DRAWING ADDED TO LATEST DRAINAGE LAYOUT & SHOW LINE OF PAVEMENT THROUGH BASIN			
P6	15/06/2024	DRAWING ADDED TO SHOW ONE BASIN & SECTION PER PLAN			
P5	23/04/2024	DETAIL ADDED TO BASIN SECTIONS SHOWING LEVELS AND WAKE UP			
P4	20/01/2024	SECTIONS UPDATED TO SUIT LATEST ARCHITECTS LAYOUT	LS		
P3	15/01/2023	SECTIONS UPDATED TO SUIT LATEST ARCHITECTS LAYOUT	LS		
P2	05/01/2023	SECTIONS UPDATED TO SUIT LATEST ARCHITECTS LAYOUT AND MAND POND LOCATIONS	LS		
P1	10/11/2022	PRELIMINARY ISSUE			
REV	DATE	DESCRIPTION	BY	CHK	APP

PRELIMINARY

YOUR HOUSING GROUP

BARTON WILLMORE

HALSNEAD GARDEN VILLAGE
LICKERS LANE
WHISTON

S104 ATTENUATION BASIN SECTIONS

SHEET 2

STATUS:	PROJECT No.	PROJECT	ORIGINATOR	VOLY'S	LEVEL	TYPE	ROLE	DRAWING No.	REV.
S2	220-275	HGV-	AJP	-XX	-00	-DR	C	1031	P11
SCALE @ A0:	DESIGNED:	DRAWN:	CHECKED:	APPROVED:	DATE:				
1:100 & 1:250	LS	LS	KOB	KOB	NOV 2022				