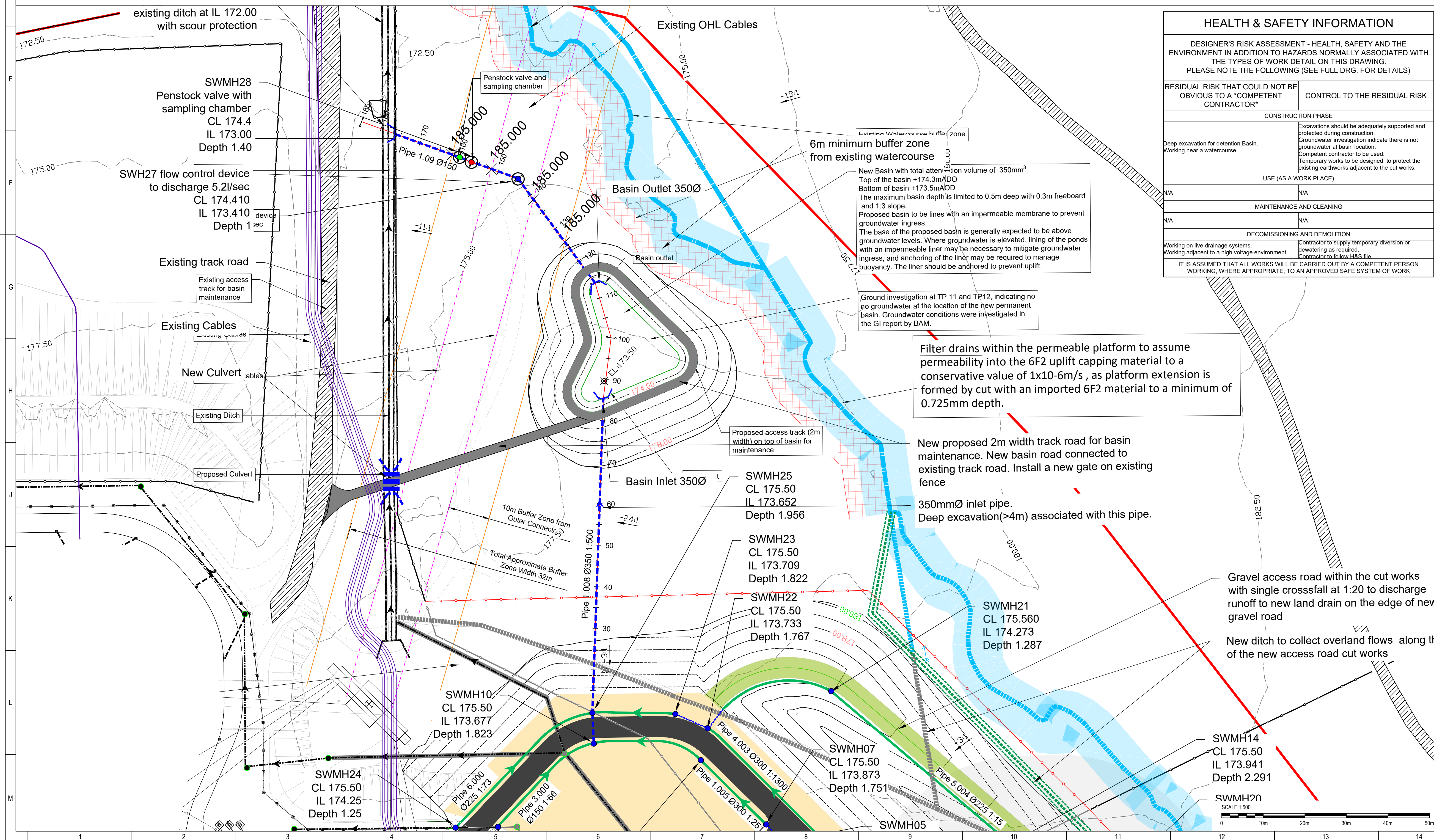


- NOTES:
- Do not scale from this drawing.
 - All dimensions are in millimetres and levels in metres AOD (relative to Ordnance Datum Newlyn) unless otherwise stated.
 - This drawing is to be read in conjunction with all relevant documents and drawings.
 - Installation of all proprietary products as per the Suppliers Manufacturer Guidelines and Recommendations.
 - All SuDS (drainage systems including detention basins, ponds, swales etc.) are to be constructed in accordance with Ciriá 753, the SuDS Manual 2015.
 - Impermeable geotextile to be a Visqueen® High Performance Urban Drainage Geomembrane (robust, flexible and chemically inert) or similar.

KEY	
	Existing manhole / gully
	Existing filter drain
	Existing surface water sewer
	Existing surface water drainage to be abandoned/removed
	Existing small watercourse / ditch
	New surface water filter drain with min. 225Ø perforated pipe
	New ditch
	New surface water pipe
	New surface manhole/catchpit
	Site boundary
	New permeable surface platform
	New tarmac surface road
	New temporary haul road gravel surface (for construction phase only)
	New track road for maintenance of basin
	Existing track
	Flow Control Chamber
	Penstock valve
	Sampling point
	Existing underground cables
	Existing overhead lines
	10m Watercourse buffer zone
	Existing Overhead Lines
	10m Buffer Zone from OHL



HEALTH & SAFETY INFORMATION	
DESIGNER'S RISK ASSESSMENT - HEALTH, SAFETY AND THE ENVIRONMENT IN ADDITION TO HAZARDS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAIL ON THIS DRAWING. PLEASE NOTE THE FOLLOWING (SEE FULL DRG. FOR DETAILS)	
RESIDUAL RISK THAT COULD NOT BE OBVIOUS TO A 'COMPETENT CONTRACTOR'	CONTROL TO THE RESIDUAL RISK
CONSTRUCTION PHASE	
Deep excavation for detention Basin. Working near a watercourse.	Excavations should be adequately supported and protected during construction. Groundwater investigation indicate there is not groundwater at basin location. Competent contractor to be used. Temporary works to be designed to protect the existing earthworks adjacent to the cut works.
N/A	N/A
USE (AS A WORK PLACE)	
N/A	N/A
MAINTENANCE AND CLEANING	
N/A	N/A
DECOMMISSIONING AND DEMOLITION	
Working on live drainage systems. Working adjacent to a high voltage environment.	Contractor to supply temporary diversion or dewatering as required. Contractor to follow H&S file.
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT PERSON WORKING, WHERE APPROPRIATE, TO AN APPROVED SAFE SYSTEM OF WORK	

FOR INFORMATION ONLY

NOT FOR CONSTRUCTION

00	03/06/25	IB	BR	KS	APPROVED FOR ISSUE			
REV:	DATE:	DRWN:	CHKD:	APPVD:	DESCRIPTION:			
STATUS:								
PRELIMINARY DESIGN ONLY								
CLIENT:								
TRANSMISSION								
PROJECT:								
LOCH NA CATHRACH								
PROJECT NUMBER: LT000325			LOCATION: KNOCKNAGAE					
TITLE:								
KNOCKNAGAE SUBSTATION EXTENSION DRAINAGE DETAILS								
DRAWN: I.BIN			ENG CHECK: B.RENTON					
DESIGNER: SSENT			COORDINATION:					
SCALE: 1:500			APPROVED: K.SMITH					
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