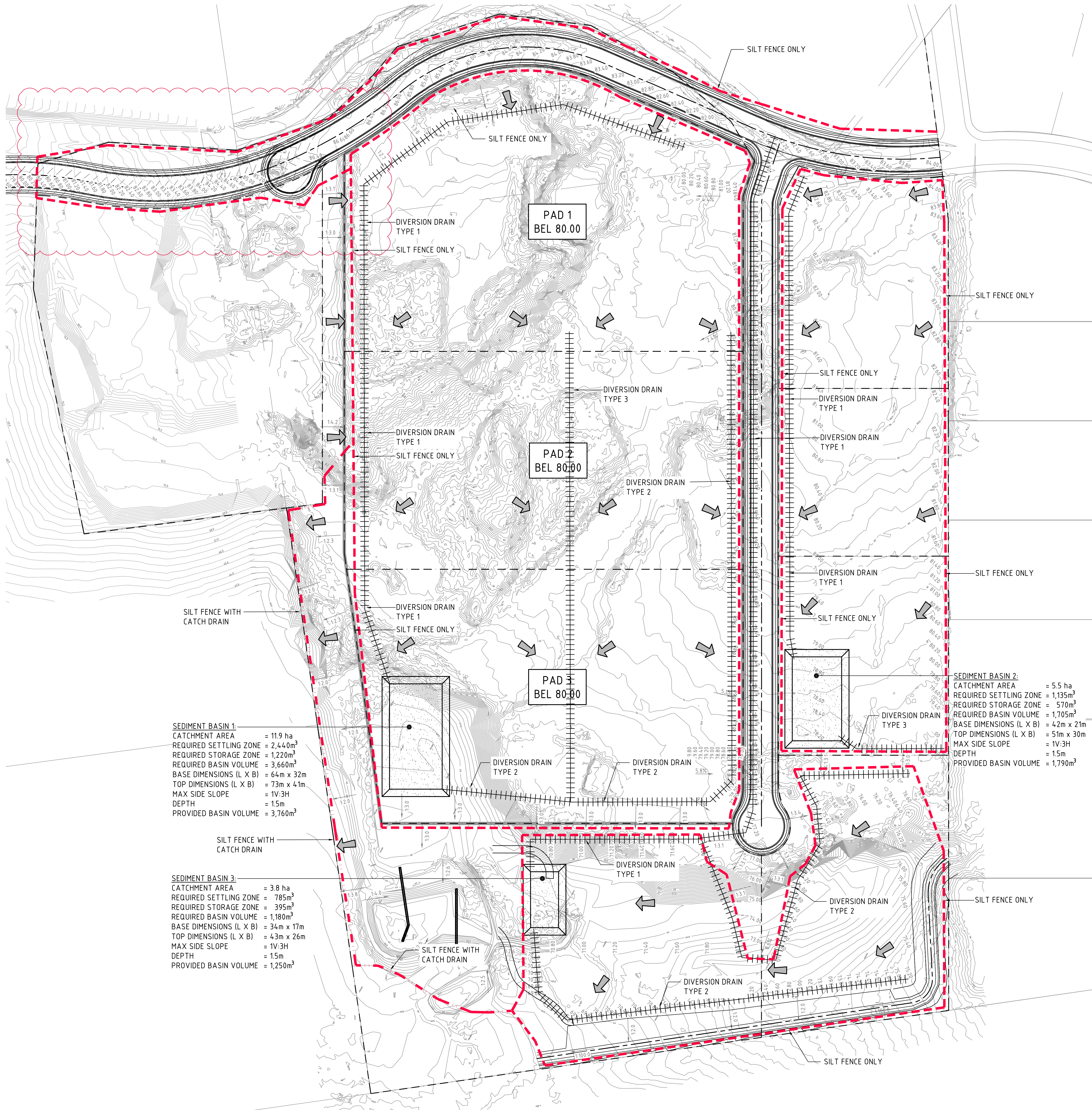




LEGEND:

- OVERLAND FLOW PATH
- DIVERSION DRAIN
- SILT FENCING
- SILT FENCING WITH CATCH DRAIN

SEDIMENTATION BASIN NOTE:

FOR SEDIMENT & EROSION CONTROL DETAILS REFER TO DRAWING C010726.13 - DA25.

SEDIMENTATION BASIN SIZING BASED ON RECOMMENDATIONS OF 'SOILS AND CONSTRUCTION, MANAGING URBAN STORMWATER-THE BLUE BOOK'. CAPACITY BASED UPON 5 DAY RAINFALL DEPTH AT 85th PERCENTILE INTENSITY (32.2mm).

APPROXIMATE TOTAL AREA OF SITE = 21 ha

SEDIMENTATION BASINS TO COLLECT RUN-OFF IN EXTREME RAINFALL EVENTS. COLLECTED RUN-OFF TO BE ASSESSED BY A QUALIFIED LABORATORY FOR DOUSING RATES OF ALUM OR GYPSUM TO ENSURE COAGULATION OF SEDIMENTS PRIOR TO WATER BEING DISCHARGED TO COUNCIL STORMWATER SYSTEM.

EACH BASIN IS TO HAVE A MARKER PLACED AS PER THE DETAIL TO INDICATE WHEN SEDIMENT IS TO BE REMOVED. REMOVED SEDIMENT IS TO BE CLASSED AND DEWATERED PRIOR TO REMOVAL FROM SITE.

ALLOWANCE TO BE MADE DURING BENCHING OF SITE TO ENSURE RUN-OFF IS DIRECTED TO SEDIMENTATION BASINS.

NOTES:

1. ASSUME TYPE D SOIL (CLAY/SILTY CLAY)
2. ASSUME GROUP D SOIL (HIGH PLASTICITY AND SHRINK/SWELL PROPERTIES)

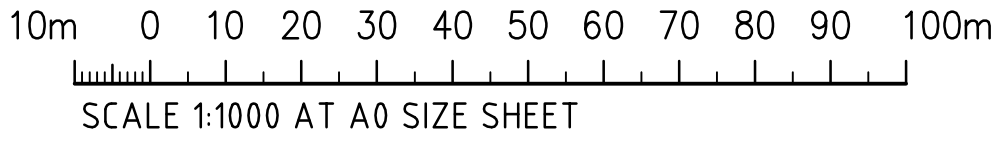
SEDIMENT BASIN 1:
CATCHMENT AREA = 11.9 ha
REQUIRED SETTLING ZONE = 2,440m³
REQUIRED STORAGE ZONE = 1,220m³
REQUIRED BASIN VOLUME = 3,660m³
BASE DIMENSIONS (L X B) = 64m x 32m
TOP DIMENSIONS (L X B) = 73m x 41m
MAX SIDE SLOPE = 1V:3H
DEPTH = 1.5m
PROVIDED BASIN VOLUME = 3,760m³

SEDIMENT BASIN 3:
CATCHMENT AREA = 3.8 ha
REQUIRED SETTLING ZONE = 785m³
REQUIRED STORAGE ZONE = 395m³
REQUIRED BASIN VOLUME = 1,180m³
BASE DIMENSIONS (L X B) = 34m x 17m
TOP DIMENSIONS (L X B) = 43m x 26m
MAX SIDE SLOPE = 1V:3H
DEPTH = 1.5m
PROVIDED BASIN VOLUME = 1,250m³

SEDIMENT BASIN 2:
CATCHMENT AREA = 5.5 ha
REQUIRED SETTLING ZONE = 1,135m³
REQUIRED STORAGE ZONE = 570m³
REQUIRED BASIN VOLUME = 1,705m³
BASE DIMENSIONS (L X B) = 42m x 21m
TOP DIMENSIONS (L X B) = 51m x 30m
MAX SIDE SLOPE = 1V:3H
DEPTH = 1.5m
PROVIDED BASIN VOLUME = 1,790m³

EROSION & SEDIMENT CONTROL PLAN
SCALE 1:1000

FOR DEVELOPMENT APPLICATION



REVISED AS CLOUDED ISSUED FOR DEVELOPMENT APPLICATION ISSUED FOR INFORMATION			3.06.16 25.02.16 18.12.15			C B A			AMENDMENTS			DATE			ISSUE			AMENDMENTS			DATE			ISSUE		
ARCHITECT			CLIENT			PROJECT			DESIGNED			DRAWN			CHECKED			SIZE			SCALE			CNO REF:		
						PROPOSED INDUSTRIAL DEVELOPMENT HANSON LAND EASTERN CREEK			MW			DATE			A0			AS SHOWN			C010726.13-DA20			Costin Roe Consulting Pty Ltd. Consulting Engineers Level 1, 9 Windmill Street Wahah Bay, Sydney NSW 2000 Tel: (02) 9551-7699 Fax: (02) 9541-3721 email: mail@costinroe.com.au ©		
DRAWING TITLE			DRAWING No			C010726.13-DA20			ISSUE			C			Value in Engineering and Management			EROSION & SEDIMENT CONTROL PLAN								