

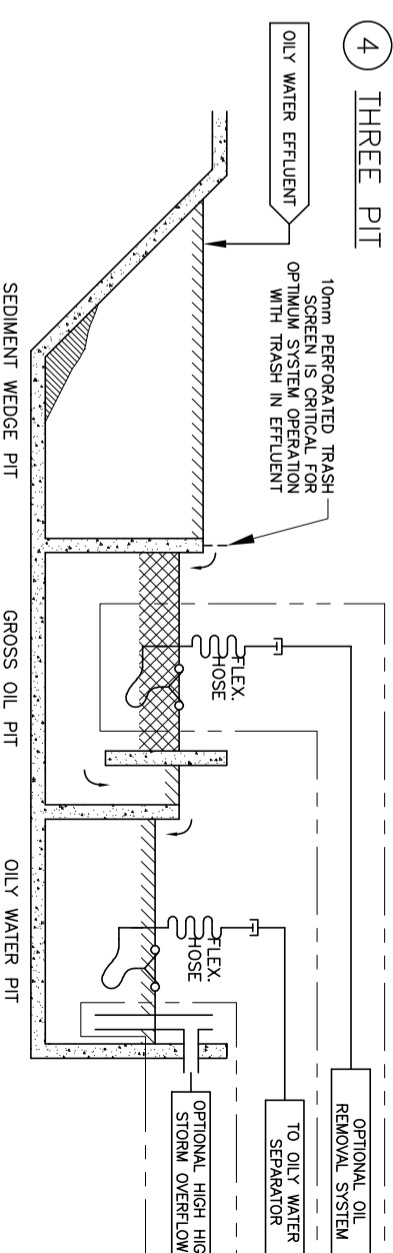
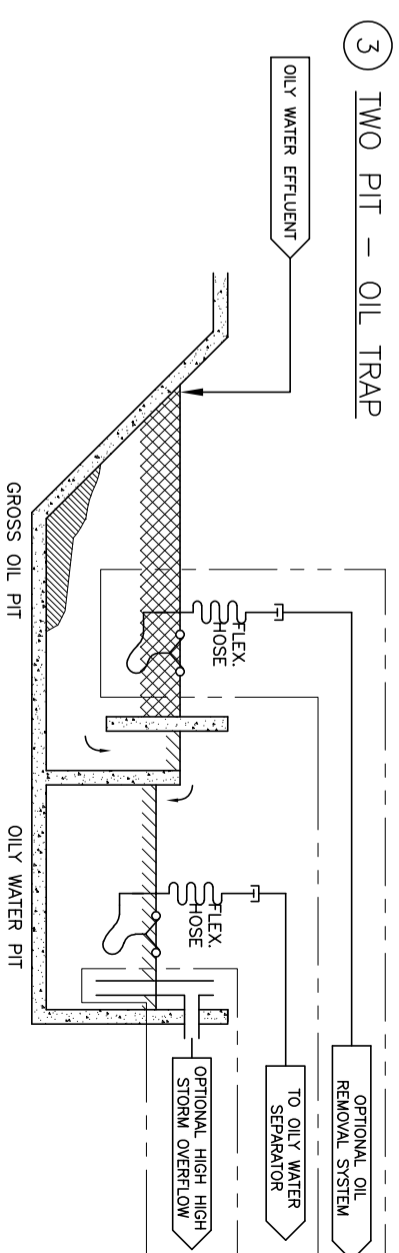
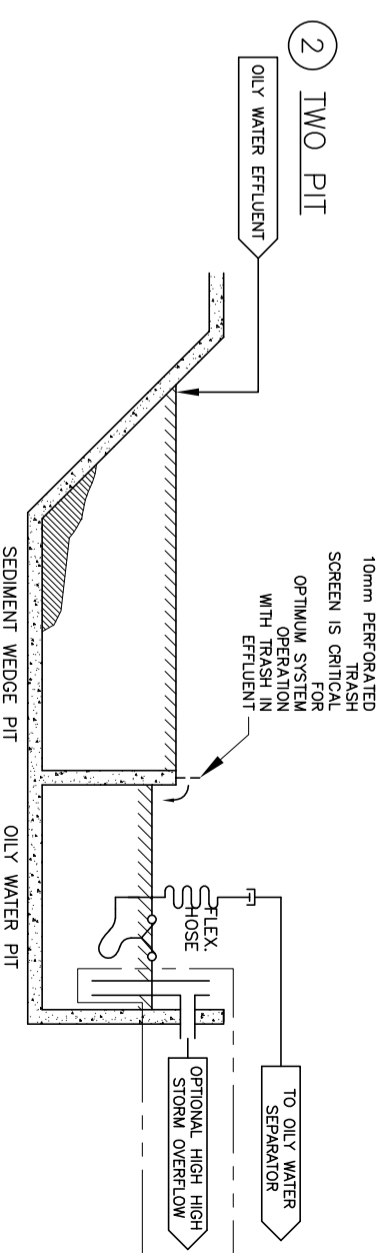
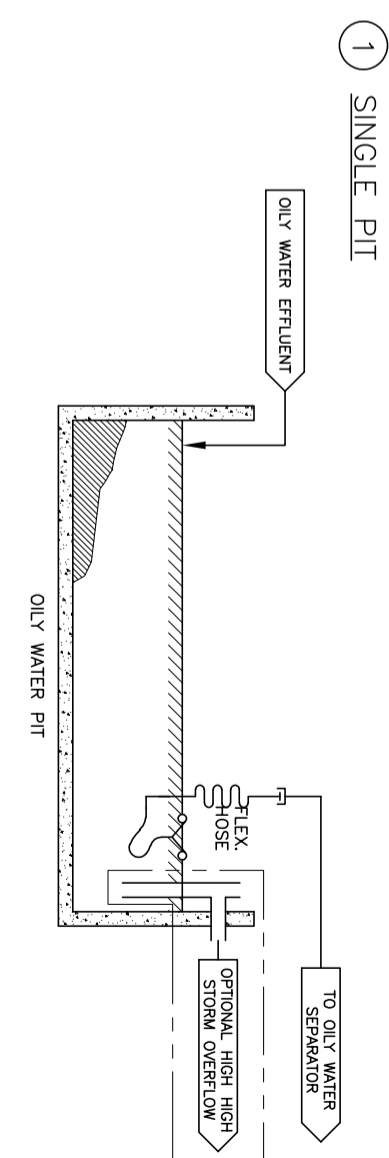
GENERAL NOTES FOR OILY WATER PIT DESIGN

1. GENERAL INFORMATION ONLY:
  - a. THIS DRAWING AND THESE NOTES ARE A GENERAL GUIDE ONLY. ANY ACTUAL PIT DESIGNS WILL REQUIRE SITE-SPECIFIC DRAWINGS THAT ARE PREPARED BY COMPETENT EXPERIENCED PROFESSIONALS WHO WILL CONSIDER ALL END USE CUSTOMER SITE SPECIFIC REQUIREMENTS AS WELL AS FEDERAL, STATE OR LOCAL GOVERNMENT REQUIREMENTS AND ANY OTHER RELEVANT MATTERS.
2. SEPARATE STREAMS:
  - a. INLET AND OUTLET STREAMS SHOULD BE SPACED AS FAR APART AS POSSIBLE TO ALLOW MAXIMUM RESIDENCE TIME FOR SETTLING.
3. MIN. PIT DEPTH:
  - a. ALL PITS MUST HAVE A WORKING DEPTH OF AT LEAST 1m.
  - b. WORKING DEPTH IS THE DEPTH OF WATER ABOVE THE SILT LAYER AT THE TIME THE SILT LAYER IS AT ITS DEEPEST - USUALLY AT THE TIME OF PIT CLEANING AND SILT BUILD-UP REMOVAL.
4. MINIMISE OBSTRUCTIONS:
  - a. OBSTRUCTIONS INSIDE THE PIT SHOULD BE REDUCED OR ELIMINATED AS THEY MAY PREVENT SKIMMERS FROM WORKING PROPERLY. THIS MAY INCLUDE LADDERS, ETC.
5. SEDIMENT LOADS:
  - a. SINGLE PIT ARRANGEMENTS SUCH AS DESIGN 1 ARE GENERALLY NOT SUITABLE FOR HIGH SEDIMENT LOADS.
  - b. CAREFULLY CONSIDER HOW THE ACCUMULATED SEDIMENT WILL BE REMOVED AND HOW THE PIT WILL BE CLEANED. WEDGE PITS PROVIDE EASY CLEANING AND ARE COMMON ACROSS MOST INDUSTRIES.
  - c. PIT STRUCTURES MAY NEED TO BE PROTECTED DURING CLEANING OPERATIONS, THIS NEEDS TO BE CONSIDERED IN THE DESIGN. FOR EXAMPLE IMBEDDED STEEL RAILS ON THE BOTTOM AND END WALLS OF THE PIT MAY HELP PROTECT CONCRETE FROM MECHANICAL DIGGERS
6. VERY HIGH OIL LOADS:
  - a. IF THE DESIGN OIL SPILL IS LARGE DESIGNS 3 OR 4 MAY BE BEST. OIL SPILLS SHOULD BE CONSIDERED IN THE PIT DESIGN.

Pit Suitability		
Pit Type	Trash & debris	Gross Oil Spills
1	Low	Low
2	All	Low
3	Low	All
4	All	All

7. TRASH & DEBRIS:
  - a. IS MATERIAL LARGER THAN 5 MM THAT FLOATS ON THE SURFACE OF THE PIT THAT COULD CAUSE BLOCKAGE OF DOWNSTREAM EQUIPMENT. E.G. LEAVES, PAPER CUPS, GLOVES, PAPER, PLASTIC, RUBBISH.
8. GROSS OIL SPILL:
  - a. IS AN OIL SPILL THAT RESULTS IN A SUDDEN RELEASE OF A LARGE VOLUME OF OIL AND IS NOT CONSIDERED 'NORMAL'. AN OIL SPILLS LESS THAN 50 LITRES MIGHT BE CONSIDERED A 'LOW' SPILL DEPENDING ON THE SITE.
9. PIT VOLUMES:
  - a. WHEN DETERMINING PIT VOLUMES FOR THE PROCESS IT IS IMPORTANT TO LOOK AT THE 'WORKING VOLUME' OF THE PIT NOT THE TOTAL VOLUME.
  - b. THE WORKING VOLUME IS DIFFERENCE BETWEEN THE POINT WHERE THE PIT OVERFLOWS OR FLOODS AND THE LOWEST POINT YOU CAN OPERATE AT. THE LOW POINT CAN BE DUE TO SUMP PUMPS RUNNING DRY OR SKIMMER BEACHING FOR EXAMPLE.
  - c. IT IS IMPORTANT TO SUBTRACT THE BUILD UP OF SEDIMENT OR SILT ON THE PIT FLOOR WHEN CALCULATING WORKING VOLUME.

REV	DESCRIPTION	DRN.	CHKD.	APP.	DATE	DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED
0	ISSUED FOR INFORMATION	D.C.S.	G.P.		27.09.13	IF IN DOUBT ASK DO NOT SCALE
1	GENERAL REVISIONS	JOK	I.S.	G.P.	20.10.15	
2	WORKING CAPACITY NOTE ADDED	L.P.	G.P.	G.P.	11.05.18	THIRD ANGLE PROJECTION UNLESS OTHERWISE STATED



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TITLE  
**TYPICAL OILY WATER PIT ARRANGEMENTS**

CLIENT  
**GENERAL ISSUE**

SCALE	SIZE	DOC No.	SHEET	REV
	A4	I-P-0204-01	1 OF 1	2