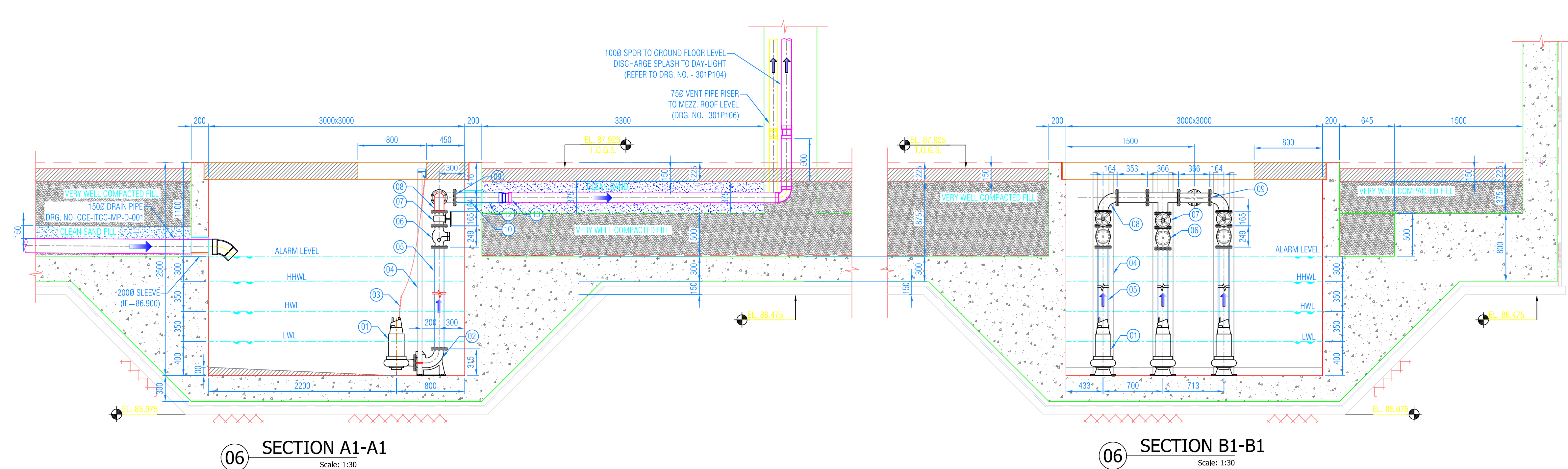
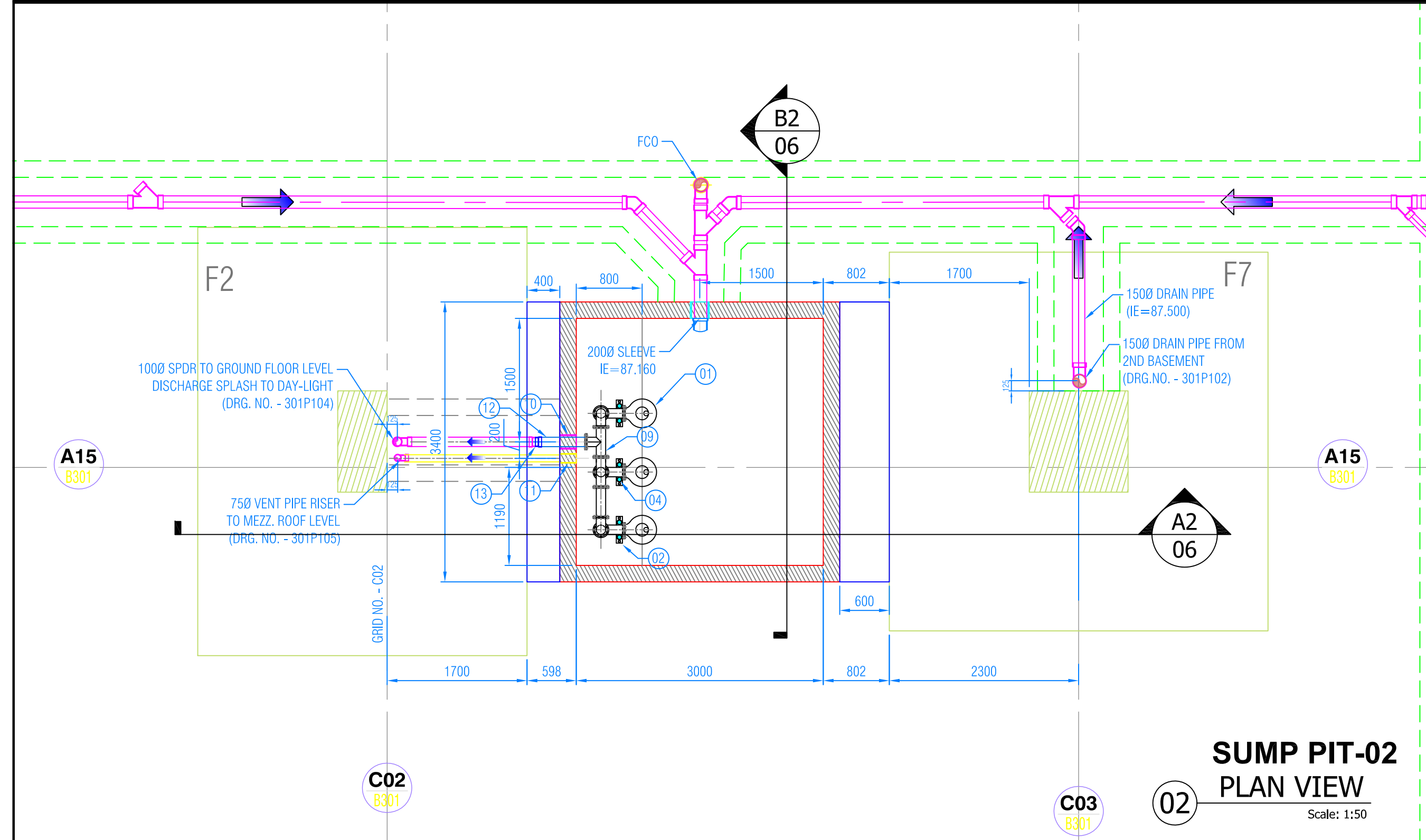


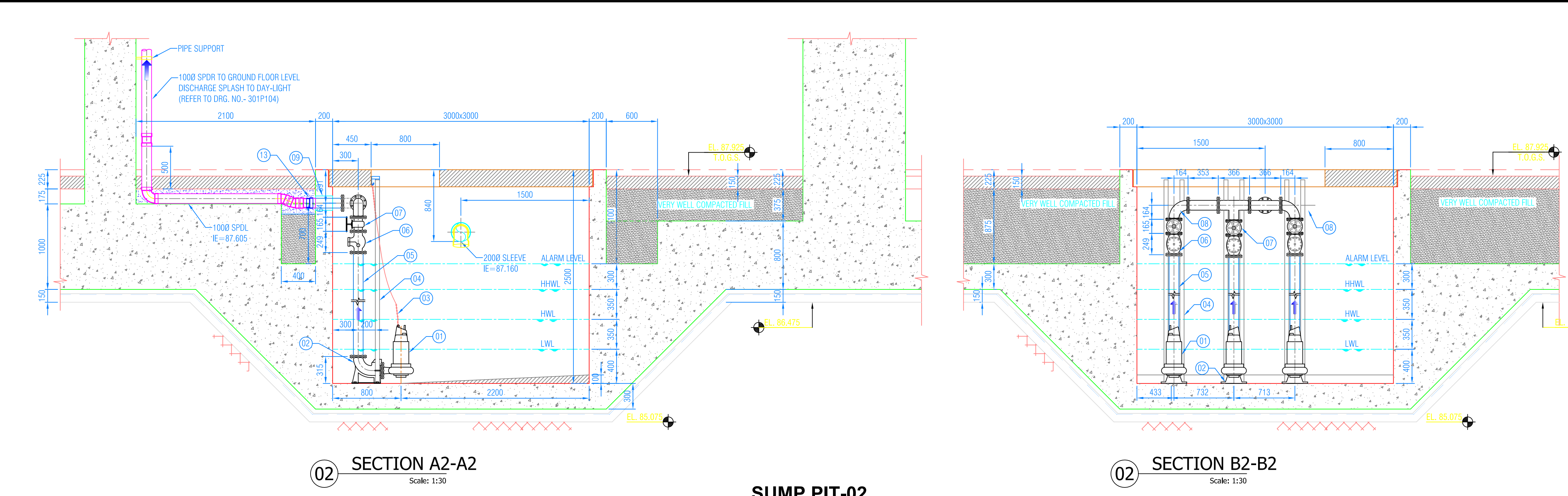
SUMP PIT-01
PLAN VIEW
Scale: 1:50



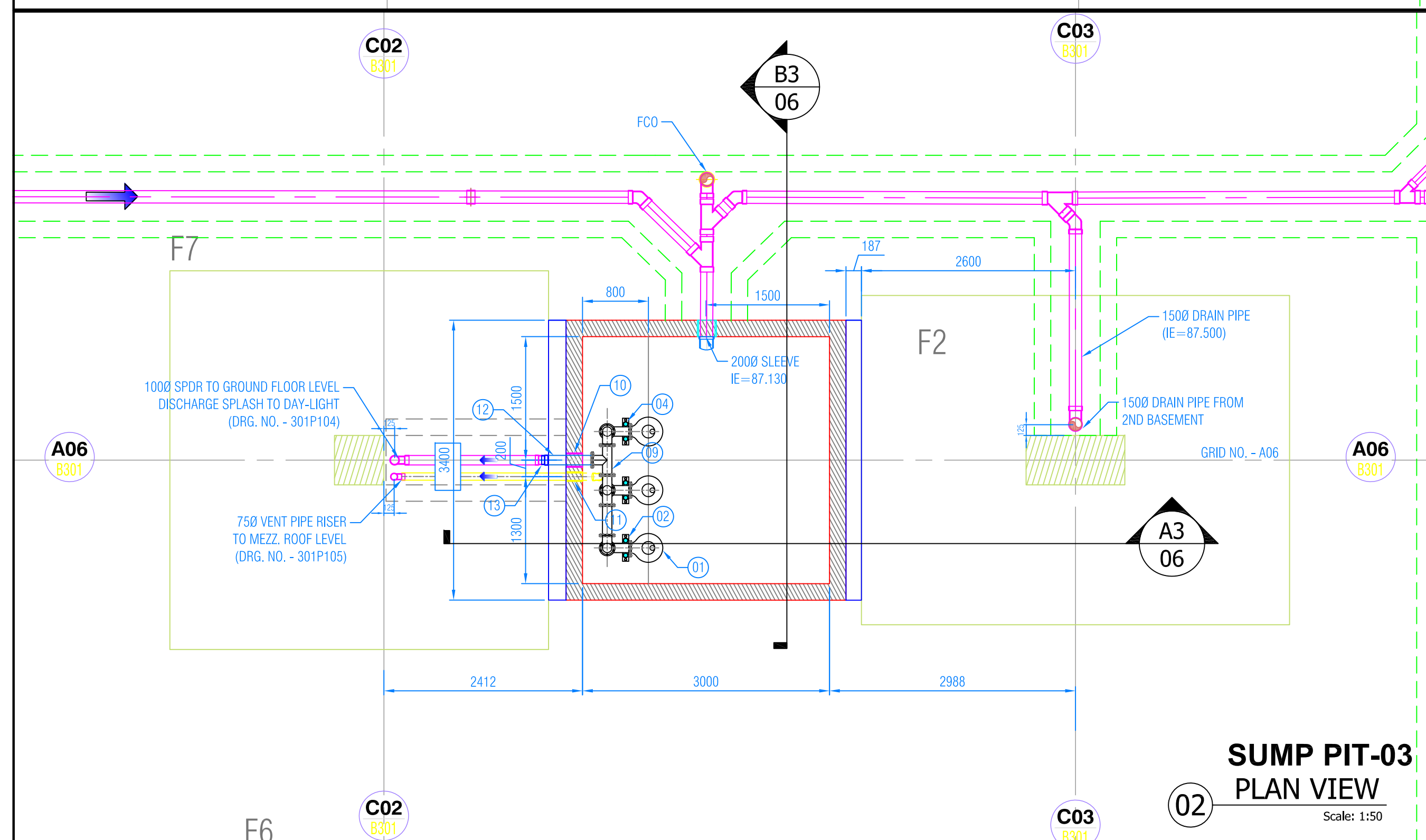
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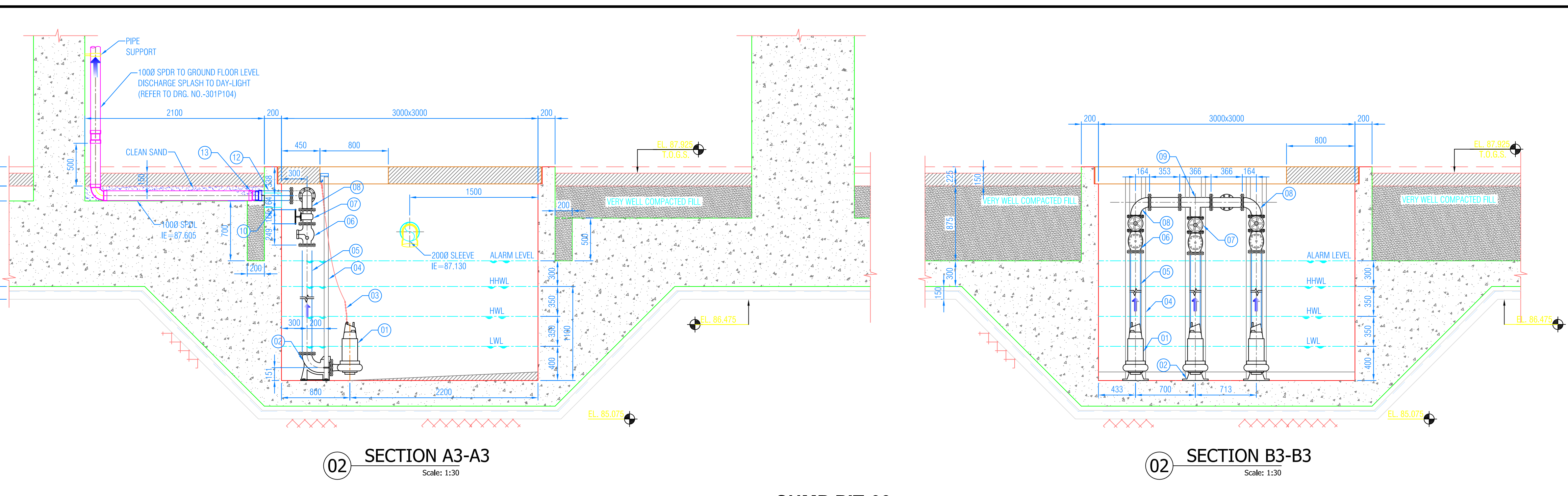
SUMP PIT-02
PLAN VIEW
Scale: 1:50



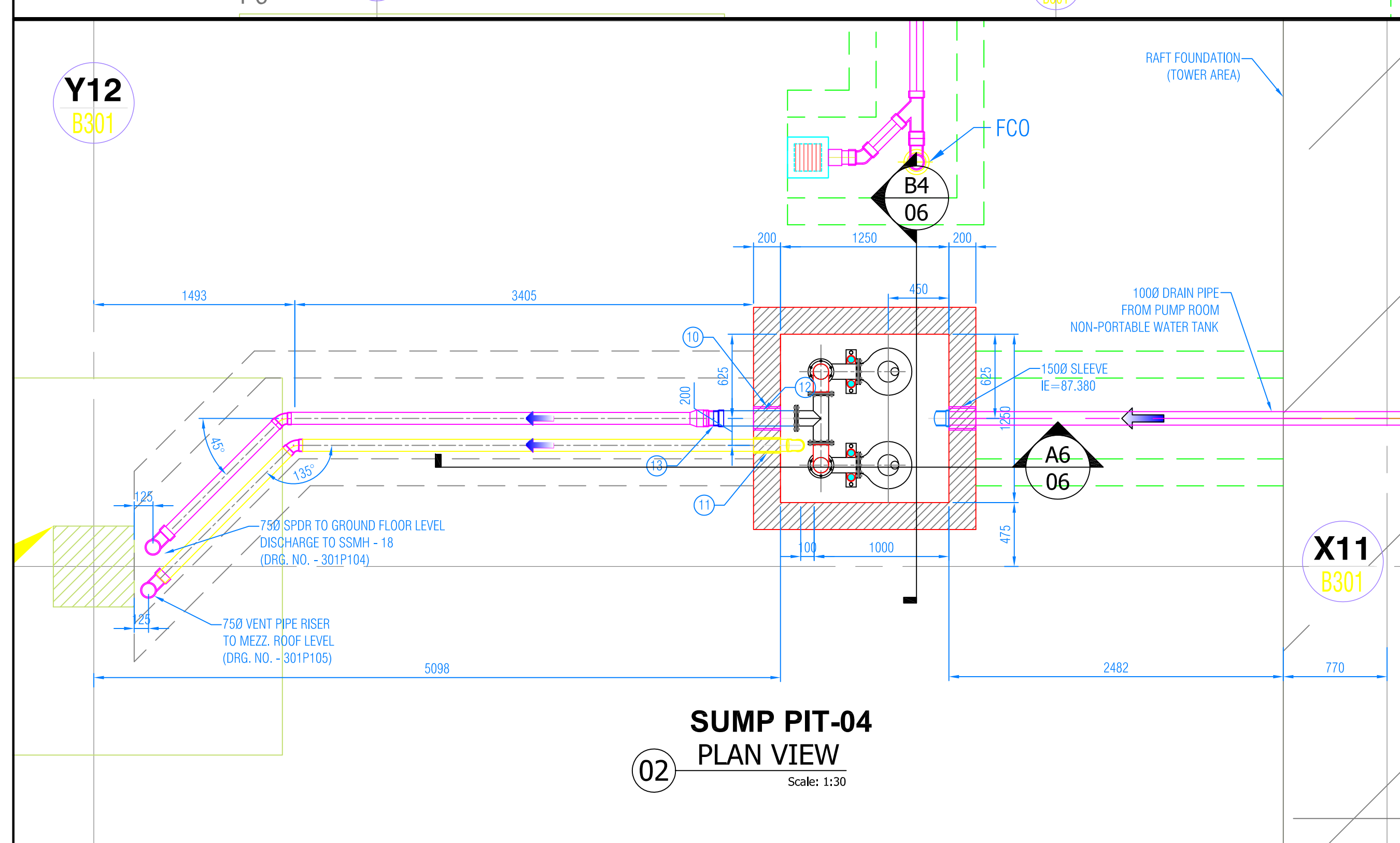
SUMP PIT-02



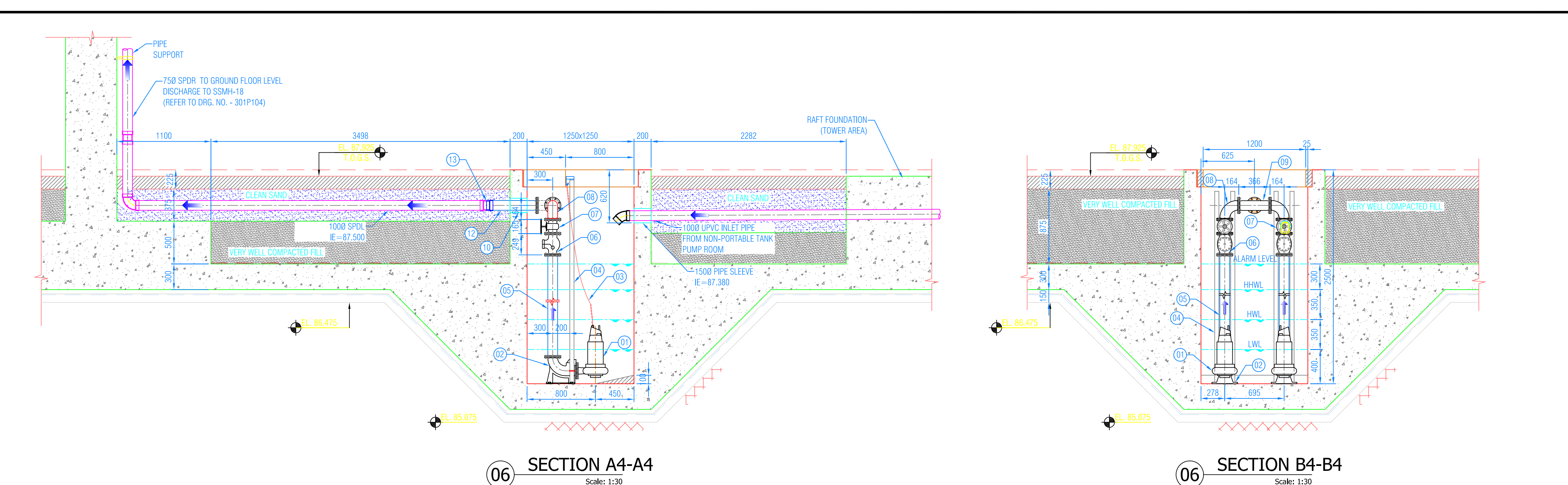
SUMP PIT-03
PLAN VIEW
Scale: 1:50



SUMP PIT-03



SUMP PIT-04
PLAN VIEW
Scale: 1:30



SUMP PIT-04

- NOTES:**
- ALL DIMENSIONS ARE IN MM, OTHERWISE SHOWN.
 - SUMP PITS WERE RE-LOCATED DUE TO INTERFERENCE WITH FOOTINGS AND MAT.
 - THIS DRAWING MUST BE READ IN CONJUNCTION WITH APPROVED STRUCTURAL AND ARCHITECTURAL DRAWINGS.
 - FOR EXCAVATION LAYOUT AND SURVEY COORDINATES OF SUMP PIT AND GREASE INTERCEPTOR REFER TO DRAWING NO. -CCE-ITCC-CML-03.
 - FOR 3RD BASEMENT FOUNDATION PLAN REFER TO DRAWING NO. 301S101.
 - FOR SCHEDULE OF FOOTINGS, SECTION AND DETAILS REFER TO DRAWING NO. 301S101.
 - FOR SCHEDULE OF COLUMN REFER TO DRAWING NO. 301S101, 301S102, 301S103 & 301S104.
 - FOR DRAINAGE FINISH PLAN AND INVERT ELEVATIONS REFER TO DNG. NO. CCE-ITCC-MP-B-001.
 - FOR SUMP PIT AND GREASE INTERCEPTOR EXCAVATION LAYOUT AND SLEEVE INVERT ELEVATIONS REFER TO DRAWING NO. PCSH-14E-001-01 TO 04.
 - FOR PERFORATED UNDER DRAIN PIPE LAYOUT PLAN REFER TO DNG. NO. CCE-ITCC-MP-B-001.
 - SUMP PIT LAYOUT DRAWING MUST BE READ IN CONJUNCTION WITH GROUND FLOOR MANHOLE LAYOUT 301P104.
 - FOR DP TRENCH, SUMP PIT & GREASE INTERCEPTOR GENERAL LAYOUT REFER TO DRAWING NO. CCE-ITCC-MP-B-001-01.
 - FOR DP TRENCH LAYOUT (ZONE 1) REFER TO DRAWING NO. CCE-ITCC-MP-B-001-02.
 - FOR DP TRENCH LAYOUT (ZONE 2) REFER TO DRAWING NO. CCE-ITCC-MP-B-001-03.
 - FOR DP TRENCH LAYOUT (ZONE 3) REFER TO DRAWING NO. CCE-ITCC-MP-B-001-04.
 - FOR DP TRENCH LAYOUT (ZONE 4) REFER TO DRAWING NO. CCE-ITCC-MP-B-001-05.
 - FOR SUMP PIT DETAIL (05-04) REFER TO DRAWING NO. CCE-ITCC-MP-B-001-06.
 - FOR SUMP PIT DETAIL (05-06) REFER TO DRAWING NO. CCE-ITCC-MP-B-001-07.
 - FOR SUMP PIT DETAIL (06-12) REFER TO DRAWING NO. CCE-ITCC-MP-B-001-08.
 - FOR SUMP PIT DETAIL (13-16) REFER TO DRAWING NO. CCE-ITCC-MP-B-001-09.
 - INVERT ELEVATION OF TRENCH = DRAIN PIPE INVERT ELEVATION - 0.15.
 - 150 MM CLEAN SAND FILL ALL AROUND THE DRAINAGE PIPE INSIDE THE TRENCH.

ABBREVIATIONS:

DP	DRAIN PIPE	DI	DUCTILE IRON
FCC	FLOOR CLEANOUT	B.O.T	BOTTOM OF TRENCH
PD	PARKING DRAIN	TYP	TYPICAL
EL	ELEVATION	SSMH	SERVICE SEWER MANHOLE
SPOR	SEWER PIPE	SPLD	SEWER PIPE DRAINAGE LINE

LEGENDS:

---	TRENCH 600x45" WITH DRAIN PIPE
→	FLOW DIRECTION

SUMP PIT ITEM DESCRIPTION

ITEM	DESCRIPTION	ITEM	DESCRIPTION
01	SUBMERSIBLE PUMP	08	1000 90° ELBOW
02	SUPPORT BLOCK	09	1000 EQUAL TEE DI
03	LIFT CHAIN	10	1500 SLEEVE
04	CURVE BAR	11	1000 SLEEVE
05	DI PIPE 1000	12	1000 DI PIPE
06	CHECK VALVE	13	1000 SOCKET DI TO PVC
07	GATE VALVE		

MATERIAL SCHEDULE

DESCRIPTION	MATERIAL
1000 SPOR & SPOL	UPVC SCH 40 GRAY COLOR
750 VENT PIPE RISER/LINE	UPVC SCH 40 WHITE COLOR
1000 DRAIN PIPE (DP)	UPVC SCH 40 WHITE COLOR
1500 DRAIN PIPE (DP)	UPVC SCH 40 WHITE COLOR
GRAVITY SEWER & WASTE	UPVC SCH 40 WHITE COLOR
1000 PIPE INSIDE SUMP PIT	DUCTILE IRON

LIST

STATION	DIMENSIONS (MM)	PUMP CAPACITY (L/HR)	REMARKS
1	3000 x 3000	21.10	1 QUITY / 2 LAG
2	3000 x 3000	21.10	1 QUITY / 2 LAG
3	3000 x 3000	21.10	1 QUITY / 2 LAG
4	1200 x 1200	8.60	1 QUITY / 1 STANDBY
5	1200 x 1200	8.60	1 QUITY / 1 STANDBY
6	3000 x 3000	21.10	1 QUITY / 2 LAG
7	3000 x 3000	21.10	1 QUITY / 2 LAG
8	1500 x 1500	15.77	1 QUITY / 1 STANDBY
9	1500 x 1500	15.77	1 QUITY / 1 STANDBY
10	1500 x 1500	15.77	1 QUITY / 1 STANDBY
11	1200 x 1200	8.60	1 QUITY / 1 STANDBY
12	1200 x 1200	11.04	2 QUITY / 1 STANDBY
13	1500 x 1500	17.77	1 QUITY / 1 STANDBY
14	1200 x 1200	8.60	1 QUITY / 1 STANDBY
15	1200 x 1200	5.90	1 QUITY / 1 STANDBY
16	1500 x 1500	8.00	1 QUITY / 1 STANDBY

NOTE:

- EXACT SIZES, DIMENSIONS OF GATE VALVE, CHECK VALVE & PIPE FITTINGS & SUMP PUMPS WILL BE AS PER APPROVED MATERIAL SUBMITTALS.
- EXACT PUMP CAPACITIES AND ELECTRICAL POWER RATINGS SHALL BE AS PER APPROVED MATERIAL SUBMITTALS.

REFERENCE DRAWINGS

REFERENCE DRAWING NO.	DRAWING DESCRIPTION
301S101	3RD BASEMENT FOUNDATION PLAN
301P101	3RD BASEMENT FLOOR PLUMBING PLAN

COORDINATION

NO.	DATE	REVISION	BY	CHECKED BY
02	16/02/2010	REVISED AS PER CONSULTANT COMMENTS		
01	23/01/2010	ISSUED FOR APPROVAL		
00	24/12/2009	ISSUED FOR APPROVAL		

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DRAWING TITLE: SUMP PIT AND GREASE INTERCEPTOR PLAN & SECTION DETAILS (SUMP PIT 01-04)

Drawing Type	Drawing No.	Shr. No.	Rev. No.
MECHANICAL	CCE-ITCC-MP-B-001	06	02

Scale	Drawn By	Signature	Checked By	Signature
AS SHOWN	KR		KHALED HASSAN	

Drawing Status	Issued For	Date
SHOP DRAWING	APPROVAL	16/02/2010