
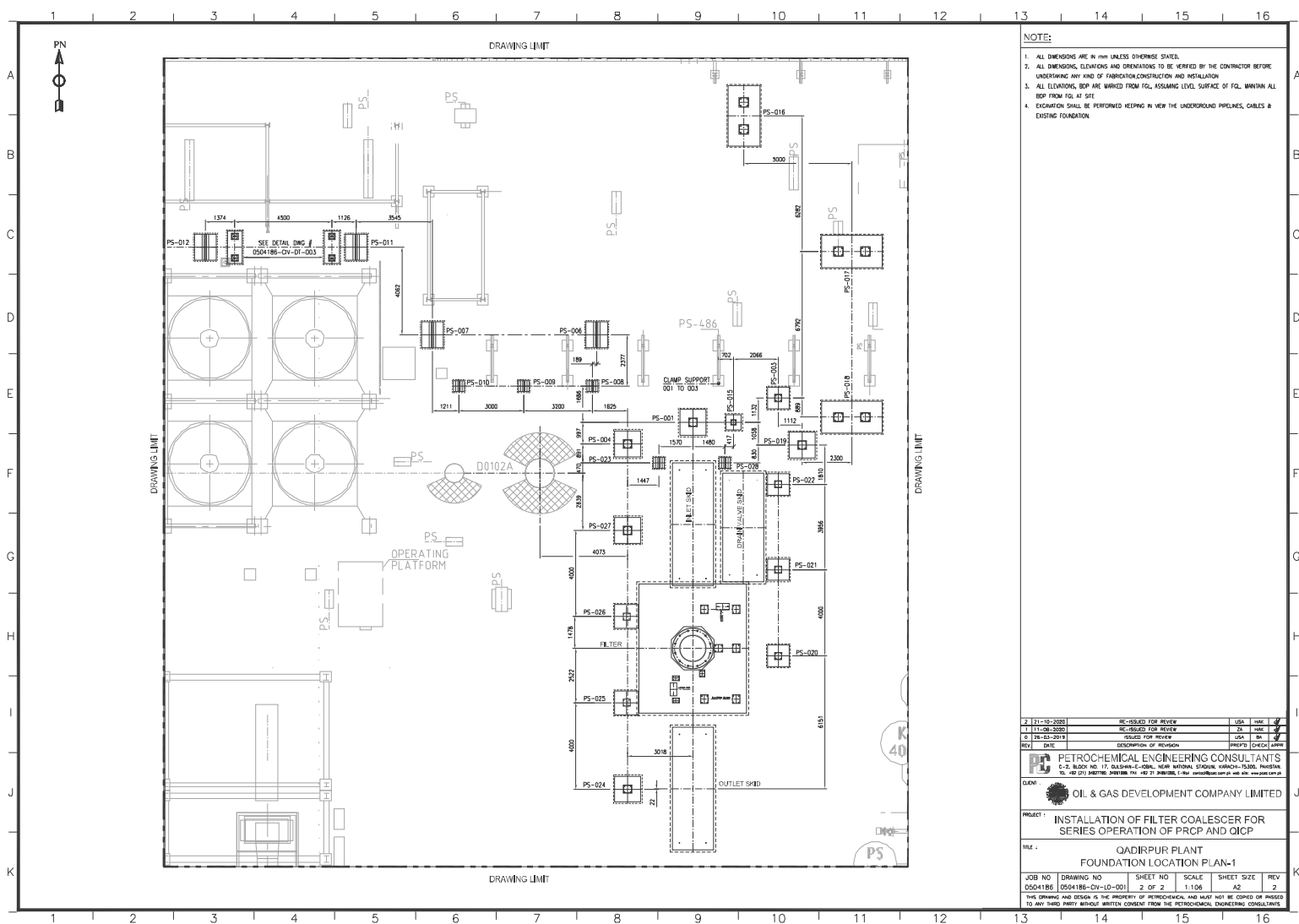


NOTE:

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
2. ALL DIMENSIONS, ELEVATIONS AND ORIENTATIONS TO BE VERIFIED BY THE CONTRACTOR BEFORE UNDERTAKING ANY KIND OF FABRICATION, CONSTRUCTION AND INSTALLATION.
3. ALL ELEVATIONS, BOP ARE MARKED FROM FGL, ASSUMING LEVEL SURFACE OF FGL. WITHIN ALL BOP FROM FGL AT SITE.
4. EXCAVATION SHALL BE PERFORMED KEEPING IN VIEW THE UNDERGROUND PIPELINES, CABLES & EXISTING FOUNDATION.

2	11-10-2020	RE-ISSUED FOR REVIEW	USA	MM	✓
1	11-08-2020	RE-ISSUED FOR REVIEW	DS	MM	✓
0	19-03-2019	ISSUED FOR REVIEW	USA	MM	✓
REV	DATE	DESCRIPTION OF REVISION	PREP'D	CHECK	APPR
PETROCHEMICAL ENGINEERING CONSULTANTS C-5, BLOCK NO. 17, GULSHAN-1, CHINA, NEAR NATIONAL HIGHWAY, KARACHI-75200, PAKISTAN TEL: +92 (21) 34677816, 34677818, FAX: +92 (21) 34677815, E-Mail: contact@pec.com.pk, web site: www.pec.com.pk					
CLIENT	 OIL & GAS DEVELOPMENT COMPANY LIMITED				
PROJECT	INSTALLATION OF FILTER COALESCER FOR SERIES OPERATION OF PRCP AND QICP				
FILE	QADIRPUR PLANT CIVIL KEY PLAN				
JOB NO	DRAWING NO	SHEET NO	SCALE	SHEET SIZE	REV
0504186	0504186-CV-10-001	1 OF 2	1:1600	A2	2
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NOTE:

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
2. ALL DIMENSIONS, ELEVATIONS AND OPERATIONS TO BE PERFORMED BY THE CONTRACTOR BEFORE UNDERTAKING ANY KIND OF FABRICATION, CONSTRUCTION AND INSTALLATION.
3. ALL ELEVATIONS, BOP ARE MARKED FROM FGL, ASSUMING LEVEL SURFACE OF FGL, MINUS ALL BOP FROM FGL AT SITE.
4. EXCAVATION SHALL BE PERFORMED KEEPING IN VIEW THE UNDERGROUND PIPELINES, CABLES & EXISTING FOUNDATION.

2	11-10-2020	RE-ISSUED FOR REVIEW	USA	MM	✓
1	11-08-2020	RE-ISSUED FOR REVIEW	DS	MM	✓
0	19-03-2019	ISSUED FOR REVIEW	USA	MM	✓
REV	DATE	DESCRIPTION OF REVISION	PREP'D	CHECK	APPR
PETROCHEMICAL ENGINEERING CONSULTANTS C-5, BLOCK NO. 17, GULSHAN-E-NOVA, NEAR NATIONAL CHINA, KARACHI-75200, PAKISTAN TEL: +92 (21) 3407786, 3407888, FAX: +92 (21) 3407835, E-Mail: contact@pec.com.pk, web site: www.pec.com.pk					
CLIENT: OIL & GAS DEVELOPMENT COMPANY LIMITED					
PROJECT: INSTALLATION OF FILTER COALESCER FOR SERIES OPERATION OF PRCP AND OICP					
SITE: QADIRPUR PLANT FOUNDATION LOCATION PLAN-1					
JOB NO	DRAWING NO	SHEET NO	SCALE	SHEET SIZE	REV
0504186	0504186-DV-10-001	2 OF 2	1:106	A2	2
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3	TYPE-D	P5-004	1200	1200	450	450	270	270	300	1200
4	TYPE-B	P5-015	700	700	300	300	140	140	300	800

FOUNDATION PLAN



1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. EXCAVATION BOTTOM TO BE WELL COMPACTED TO AVOID LATER SETTLEMENT.
3. PROVIDE CLEAR CONCRETE COVER AS FOLLOWS:
 - i) FOOTINGS (BOTTOM) : 75mm TO THE MAIN REINF.
 - ii) PILE/STAMP/COLUMNS (SIDE & TOP) : 40mm TO THE MAIN REINF.
4. CONCRETE WORKS:
 - i). LEAN CONCRETE : = 1:4:8 CLASS "C" 1000 PSI FOR BLINDING WORK.
 - ii). STRUCTURAL CONCRETE = 1:2:4 CLASS "C" 3000 PSI FOR BASE, SUB/PED/STAMP.
5. CONCRETE SHALL DEVELOP 28 DAYS WORK CYLINDER STRENGTH OF 3000 PSI.
6. SULPHATE RESISTANT CEMENT SHALL BE USED FOR ALL CONCRETE WORKS.
7. ALL STEEL CORROSION DRAWING IS DEFORMED STEEL HAVING YIELD STRENGTH OF 60 KSI.
8. USE STEEL FORMWORK FOR ALL CONCRETE WORKS.
9. MATERIAL FOR EMBEDDED PLATE SHALL BE ASTM A-36
10. LOCATION & BOP LEVELS OF PIPE SUPPORTS SHALL BE VERIFY FROM PIPING PLANS PRIOR TO FABRICATION.
11. MATERIAL FOR ANCHOR BOLTS SHALL BE ASTM-A-307 GR.B FOR CAST IN PLACE BOLTS.
12. TO MAINTAIN IN THE ELEVATION OF THE PIPES RUNNING IN SLOPE, ADDITIONAL PLATES OR STRUCTURE MEMBERS (ANGLES, CHANNELS) SHOULD BE USED.

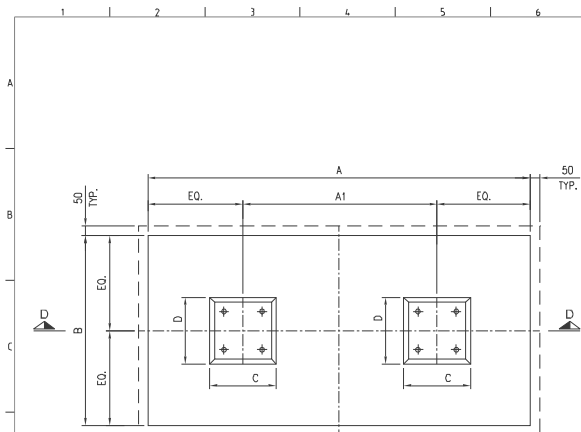


PC PETROCHEMICAL ENGINEERING CONSULTANTS
C-2, BLOCK NO. 17, GULSHAN-E-IOBA, NEAR NATIONAL STADIUM, KARACHI-75300 PAKISTAN
TEL: +92 (21) 34827780, 34861088, FAX: +92 21 34961089, E-Mail: contact@pcce.com.pk web site: www.pcce.com.pk

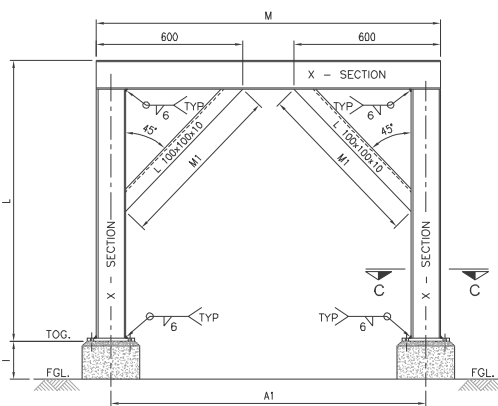
CLIENT :  OIL & GAS DEVELOPMENT COMPANY LTD.

PROJECT :	INSTALLATION OF FILTER COALESCER FOR SERIES OPERATION OF PRCP AND QICP
TITLE :	QADIRPUR PLANT STEEL STRUCTURE PIPE SUPPORTS FOUNDATION SCHEDULE

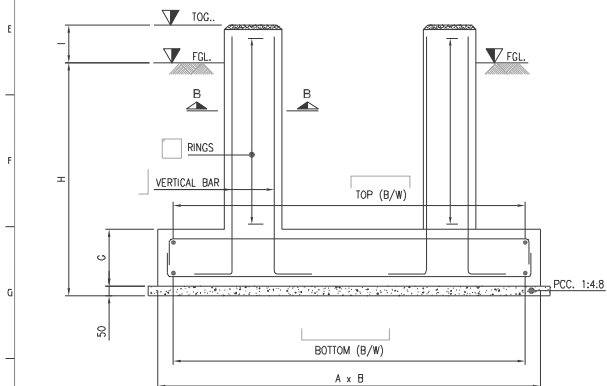
JOB NO 0504186	DRAWING NO 0504186-CW-DT-001	SHEET NO 1 OF 3	SCALE AS SHOWN	SHEET SIZE A3	REV 1
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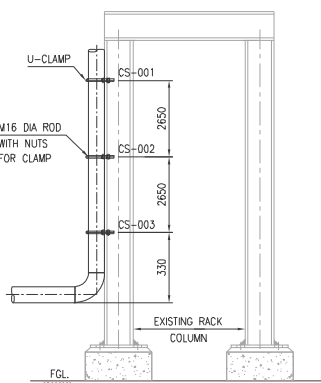
COMBINE FOUNDATION
(SCALE 1:20)



PIPE SUPPORT STRUCTURE
(SCALE 1:20) (TYPE-C)

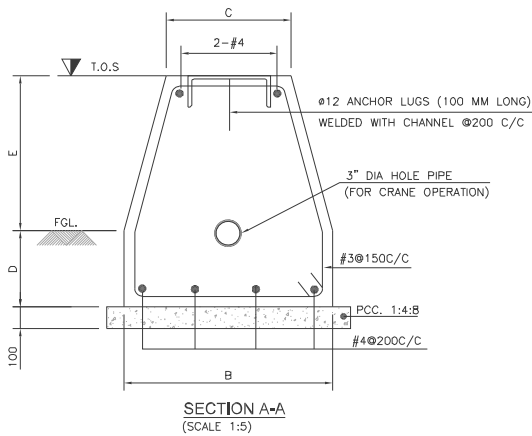
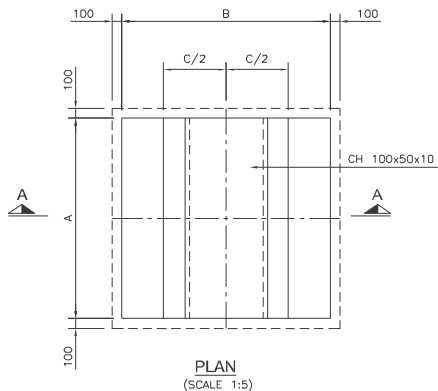


SECTION D-D
(SCALE 1:20)



PIPE CLAMP SUPPORT
(SCALE 1:20) CLAMP SUPPORT-001 TO 003

1	10-08-2020	RE-DESIGNED FOR REVIEW	J.A.	HAK
2	26-03-2019	ISSUED FOR REVIEW	USA	AS
REV	DATE	DESCRIPTION OF REVISION	PREP'D	CHECK
			APPR.	
PC PETROCHEMICAL ENGINEERING CONSULTANTS C-2, BLOCK NO. 17, GULSHAN-E-IBRAHIM, NEAR NATIONAL STADIUM, KARACHI-75300 PAKISTAN TEL: +92 (21) 34678111, 34678112 FAX: +92 21 34678113, 34678114				
CLIENT : OIL & GAS DEVELOPMENT COMPANY LTD.				
PROJECT : INSTALLATION OF FILTER COALESCER FOR SERIES OPERATION OF PRCP AND QICP				
TITLE : QADIRPUR PLANT STEEL STRUCTURE PIPE SUPPORTS FOUNDATION SCHEDULE				
JOB NO 0504186	DRAWING NO 0504186-CN-01-001	SHEET NO 3 OF 3	SCALE AS SHOWN	SHEET SIZE A3
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PIPE SUPPORT FOUNDATION

S.NO	PS:NO	T.O.S	A	B	C	D	E
01	PS-006 & PS-007	400	1200	1000	350	400	400
02	PS-008 TO PS-010	400	500	500	250	200	400
03	PS-011 & PS-012	400	1200	1000	350	400	400
04	PS-023	400	500	500	250	200	400
05	PS-028	400	500	500	250	200	400

NOTES:

- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
- PROVIDE CLEAR CONCRETE COVER AS FOLLOWS.
SLEEPER : 75mm TO THE MAIN REINF.
- CONCRETE WORKS:
(i). LEAN CONCRETE = 1:4:8 CLASS E* 1000 PSI FOR BLINDING WORKS
(ii). STRUCTURAL CONCRETE = 3000 PSI CLASS 12
(iii). CONCRETE SHALL DEVELOP 28 DAYS WORK CYLINDER STRENGTH OF 3000 PSI.
(iv). SULPHATE RESISTANT CEMENT SHALL BE USED FOR ALL CONCRETE WORKS.
- ALL STEEL SHOWN IN THIS DRAWING IS DEFORMED STEEL HAVING YIELD STRENGTH OF 60 KSI.
- USE STEEL FORMWORK FOR ALL CONCRETE WORKS.
- MATERIAL FOR EMBEDDED PLATE SHALL BE ASTM A-36.
- LOCATION OF PIPE SUPPORTS SHALL BE VERIFY FROM PIPING PLANS.
- TO MAINTAIN IN THE ELEVATION OF THE PIPES RUNNING IN SLOPE, ADDITIONAL PLATES, SHOE OR STRUCTURE MEMBERS (ANGLES, CHANNELS) SHOULD BE USED.

2	20-10-2020	RE-ISSUED FOR REVIEW	ZA	HAK	
1	10-08-2020	RE-ISSUED FOR REVIEW	ZA	HAK	
0	26-03-2019	ISSUED FOR REVIEW	USA	AS	
REV	DATE	DESCRIPTION OF REVISION	PREP'D	CHECK	APPR.

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C-2, BLOCK NO. 17, GULSHAN-E-IBRAHIM, NEAR NATIONAL STADIUM, KARACHI-75200, PAKISTAN
TEL: +92 (21) 34827785, 34861086, FAX: +92 21 34861086, E-Mail: contact@pgc.com.pk web site: www.pgcs.com.pk

CLIENT: **OIL & GAS DEVELOPMENT COMPANY LTD.**

PROJECT: **INSTALLATION OF FILTER COALESCER FOR SERIES OPERATION OF PRCP AND QICP**

TITLE: **QADIRPUR PLANT
FOUNDATION PLAN AND SECTION FOR
PIPE SLEEPERS**

JOB NO:	DRAWING NO:	SHEET NO:	SCALE:	SHEET SIZE:	REV:
0504186	0504186-QF-BI-002	1 OF 1	AS SHOWN	A3	2

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