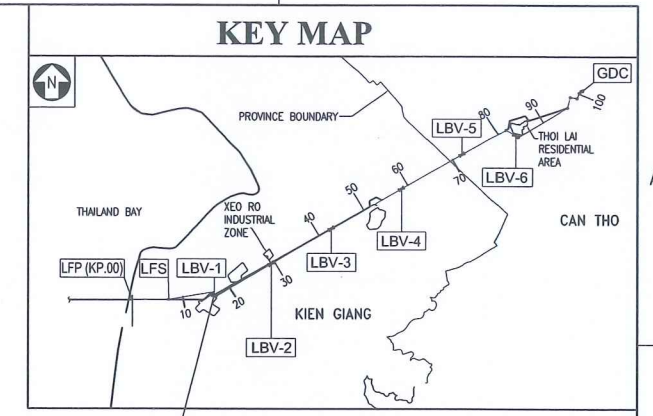


LBV 01 - KP.16+367



LEGEND



STATION DATUM COORDINATES		VN2000 COORDINATES	
N	0.00	X	1080787.976
E	0.00	Y	556882.829

NO.	DOCUMENT / DRAWING NUMBER	REV.	SHT.No.
7	SWG-WPPVE-FEED-60-CI-DAL-0003	-	-
6	SWG-WPPVE-FEED-60-CI-DAL-0002	-	-
5	SWG-WPPVE-FEED-60-CI-DPP-0001	-	-
4	SWG-WPPVE-FEED-70-PL-DCR-0001	-	-
3	SWG-WPPVE-FEED-60-ME-LST-0001	-	-
2	SWG-WPPVE-FEED-60-PR-PID-0001	B1	-
1	SWG-WPPVE-FEED-00-PR-PFD-0001	B1	-

REFERENCE DOCUMENTS / DRAWINGS			
DATE	DATE	DATE	
WP-PVE	SWPOC	CA	

REV.	DATE	DESCRIPTION	PRE'D	CHK'D	APP'D
B1	18/7/17	ISSUED FOR APPROVAL	DNC	TNM/NTS	V.K
A1	22/6/17	ISSUED FOR REVIEW	DNC	TNM/NTS	V.K

CLIENT: PETROVIETNAM OIL AND GAS GROUP
SOUTHWEST PIPELINE OPERATING COMPANY

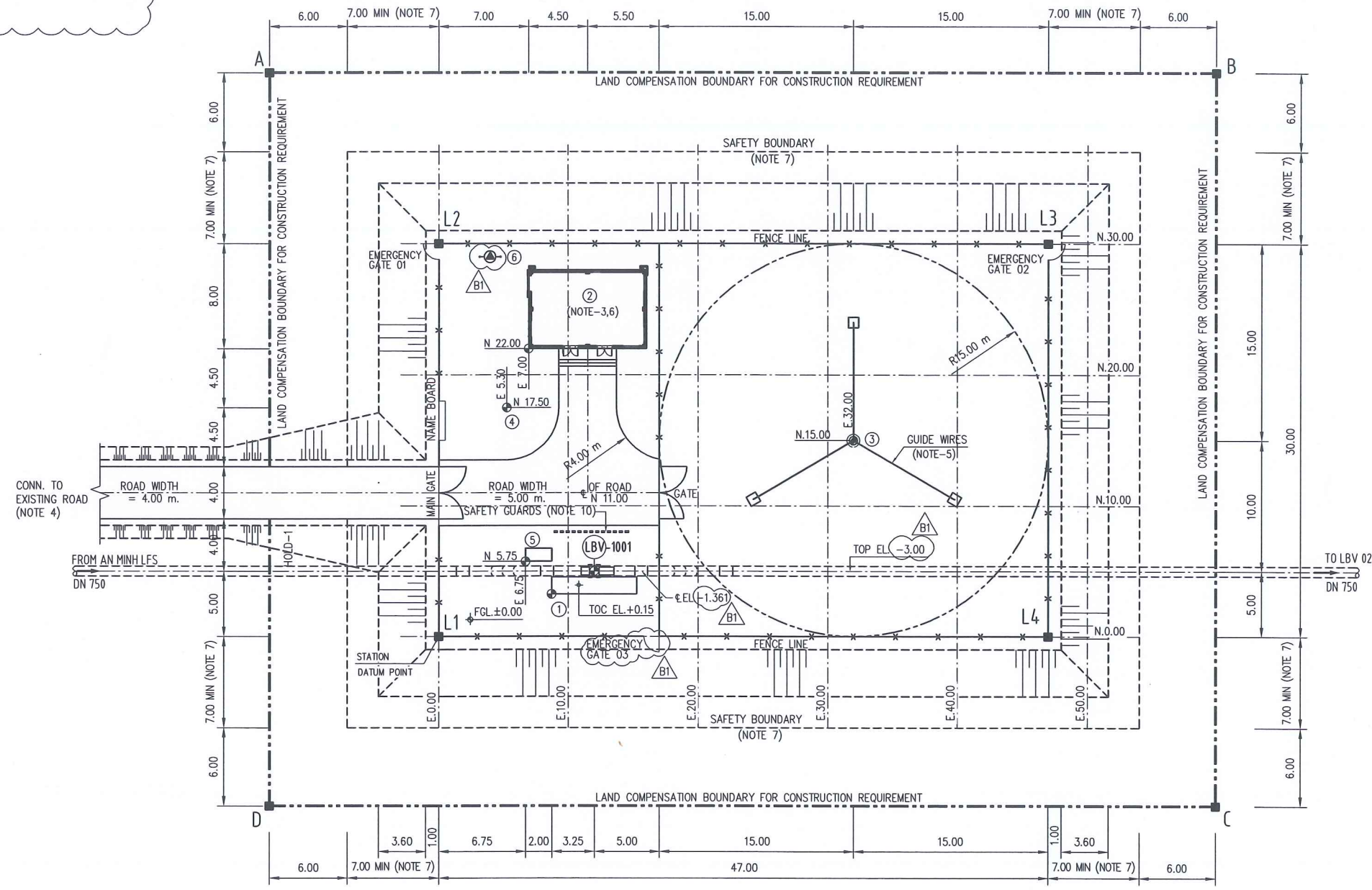
CONTRACTOR: **WorleyParsons**
resources & energy
CONSORTIUM OF WORLEYPARSONS & PV ENGINEERING

PROJECT: **BLOCK B - O MON GAS PIPELINE**

STAGE: FEED AND COST ESTIMATION UPDATE

TITLE: LBV STATION 01 PLOT PLAN

PROJ. CODE	DWG No.	SHEET	REV.
SWG	SWG-WPPVE-FEED-60-PI-DPP-0001	1/1	B1



- NOTES:**
- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
 - FGL ±0.00 : FINISHED GROUND LEVEL CORRESPONDS TO +2.0 METRE ABOVE NATIONAL ALTITUDES SYSTEM HONDAU - HAI PHONG COORDINATE SYSTEM: VN2000, CENTRAL MERIDIAN: 104°30', ZONE: 3'
 - SOLAR SYSTEM WILL BE INSTALLED ON UTILITY AND GUARD HOUSE
 - ACCESS ROAD REFER TO DWG. No. SWG-WPPVE-FEED-60-CI-DAL-0003
 - GUIDE WIRES ARE INDICATED ONLY, TO BE DESIGNED BY CIVIL
 - UTILITY AND GUARD HOUSE IS TO BE DEVELOPED AND DETAILED BY CIVIL
 - SAFETY BOUNDARY DEFINED ACCORDING TO THE VIETNAM GOVERNMENT DECREE No. 13/2011/NĐ-CPTABLE 9. (SAFETY BOUNDARY SHALL HAVE VISIBLE SIGNS INSTALLED.)
 - WIND DIRECTION BASED ON QCVN:2009/BXD
 - COORDINATES ARE BASED ON PIPELINE ROUTES, DWG NO: SWG-WPPVE-FD-70-PL-DCR-0001
 - TO BE PROVIDED BY CIVIL
- HOLDS:**
- COORDINATES TO BE CONFIRMED BY ONSHORE PIPELINE
 - DIMENSIONS
 - PREVAILING WIND

COORDINATES OF CONTROL POINT LBV 01					
POINT	NATIONAL (VN 2000)		LOCAL		NOTE
	X(m)	Y(m)	EASTING	NORTHING	
L1	1080787.976	556882.829	0.00	0.00	BENCHMARK OF LAND COMPENSATION FENCE BOUNDARY (NOTE 9)
L2	1080810.919	556902.158	0.00	30.000	
L3	1080780.637	556938.102	47.000	30.000	
L4	1080757.694	556918.773	47.000	0.00	
A	1080829.237	556900.592	-13.000	43.000	BENCHMARK OF LAND COMPENSATION FENCE BOUNDARY (NOTE 9)
B	1080782.203	556956.420	60.000	43.000	
C	1080739.376	556920.340	60.000	-13.000	
D	1080786.409	556864.511	-13.000	-13.000	

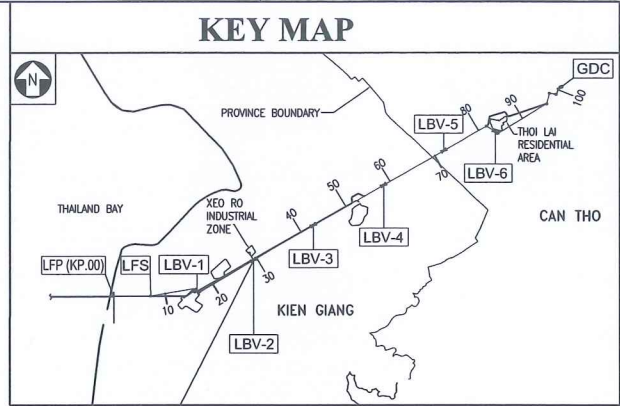
ITEM LIST				
ITEM No.	DESCRIPTION	SIZE. (m)	EASTING	NORTHING
1	BLOCK VALVE AREA	HOLD-2	8.750	3.250
2	UTILITY AND GUARD HOUSE	HOLD-2	7.000	22.000
3	COLD VENT	HOLD-2	32.000	15.000
4	WINDSOCK	HOLD-2	5.30	17.30
5	PORTABLE NITROGEN SKID	HOLD-2	6.750	5.750
6	POLE MOUNTED TRANSFORMER	HOLD-2	4.000	29.000



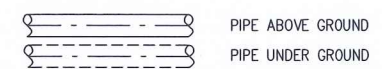
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PV ENGINEERING J.S.C

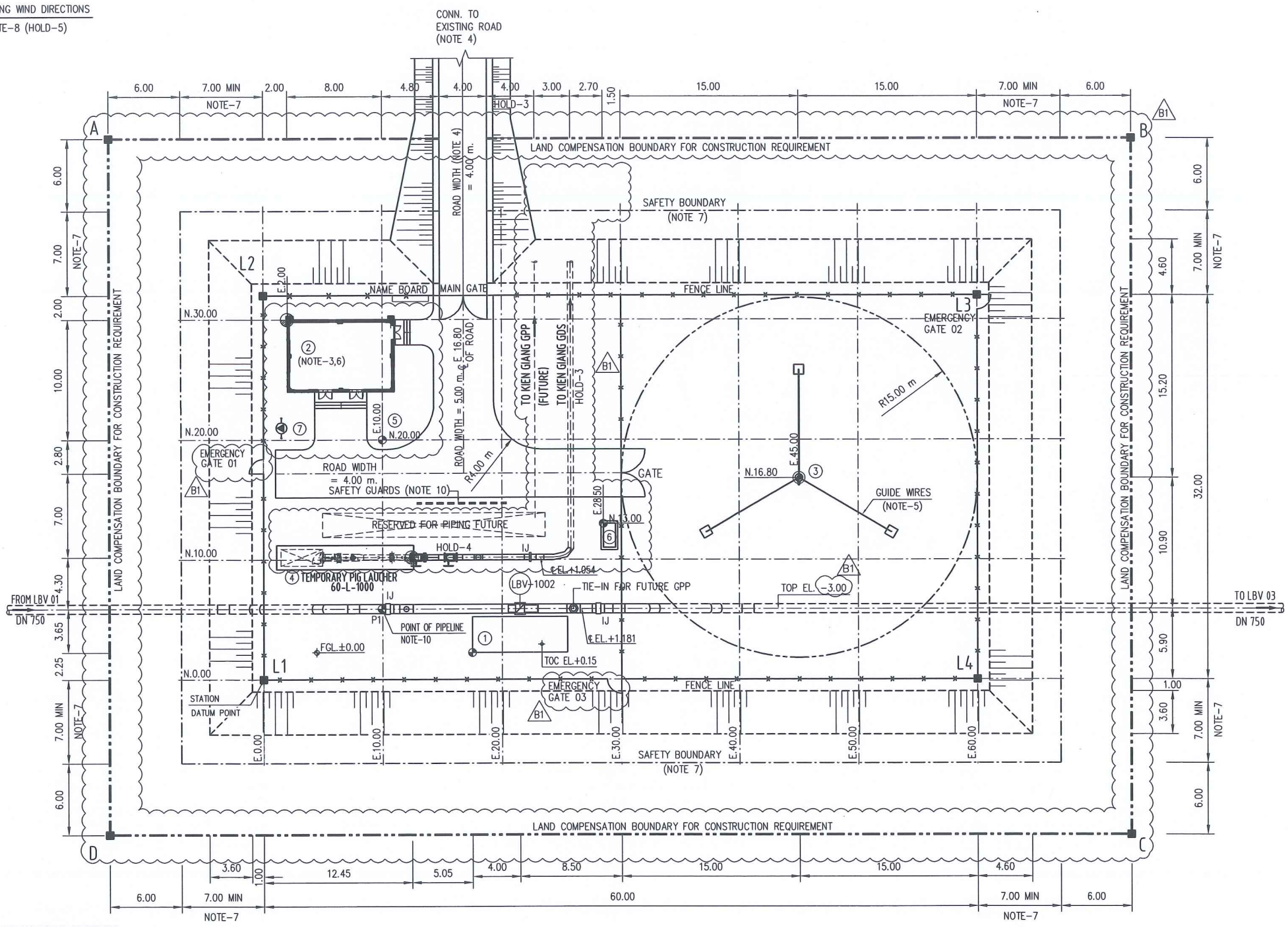
LBV 02 - KP.29+232



LEGEND



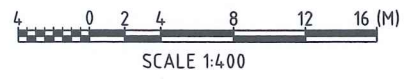
STATION DATUM COORDINATES VN2000 COORDINATES
 N 0.00 X= 1086725.672
 E 0.00 Y= 567935.593



- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE
 2. FGL ±0.00 : FINISHED GROUND LEVEL CORRESPONDS TO +2.0 METRE ABOVE NATIONAL ALTITUDES SYSTEM HONDAU - HAI PHONG COORDINATE SYSTEM: VN2000, CENTRAL MERIDIAN: 104°30', ZONE: 3'
 3. SOLAR SYSTEM WILL BE INSTALLED ON UTILITY AND GUARD HOUSE
 4. ACCESS ROAD REFER TO DWG. No. SWG-WPPVE-FEED-60-CI-DAL-0003
 5. GUIDE WIRES ARE INDICATED ONLY, TO BE DESIGNED BY CIVIL
 6. UTILITY AND GUARD HOUSE IS TO BE DEVELOPED AND DETAILED BY CIVIL
 7. SAFETY BOUNDARY DEFINED ACCORDING TO THE VIETNAM GOVERNMENT DECREE No. 13/2011/NĐ-CP, TABLE 9. SAFETY BOUNDARY SHALL HAVE VISIBLE SIGNS INSTALLED.
 8. WIND DIRECTION BASED ON QCVN: 2009/BXD
 9. COORDINATES ARE BASED ON PIPELINE ROUTES, DWG NO: SWG-WPPVE-FD-70-PL-DCR-0001
 10. TO BE PROVIDED BY CIVIL
- HOLDS:
1. COORDINATES TO BE CONFIRMED BY ONSHORE PIPELINE
 2. DIMENSIONS
 3. TO BE CONFIRMED BY PIPELINE DISCIPLINE
 4. SPACING WILL BE CONFIRMED ONCE PIPING ROUTING/STRESS IS FINALIZED
 5. PREVAILING WIND

POINT	NATIONAL (VN 2000)		LOCAL		NOTE
	X(m)	Y(m)	EASTING	NORTHING	
L1	1086725.672	567935.593	0.00	0.00	BENCHMARK OF FENCE BOUNDARY
L2	1086753.300	567919.446	0.00	32.00	
L3	1086783.575	567971.247	32.00	60.00	
L4	1086755.948	567987.394	60.00	0.00	
P1	1086735.781	567941.198	10.60	5.90	
A	1086757.964	567901.662	-13.00	45.00	BENCHMARK OF LAND COMPENSATION BOUNDARY (NOTE 9)
B	1086801.359	567975.911	73.00	45.00	
C	1086751.284	568005.178	73.00	-13.00	
D	1086707.889	567930.929	-13.00	-13.00	

ITEM No.	DESCRIPTION	SIZE. (m)	EASTING	NORTHING
1	BLOCK VALVE AREA	HOLD-2	17.500	2.250
2	UTILITY AND GUARD HOUSE	HOLD-2	2.000	30.000
3	COLD VENT	HOLD-2	45.000	16.800
4	TEMPORARY PIG LAUNCHER	HOLD-2	12.450	10.700
5	WINDSOCK	HOLD-2	10.000	20.000
6	PORTABLE NITROGEN SKID	HOLD-2	28.500	13.000
7	POLE MOUNTED TRANSFORMER	HOLD-2	1.500	21.000



NO.	DOCUMENT/ DRAWING NUMBER	REV.	SHT.No.
7	SWG-WPPVE-FEED-60-CI-DAL-0003	-	-
6	SWG-WPPVE-FEED-60-CI-DAL-0002	-	-
5	SWG-WPPVE-FEED-60-CI-DPP-0001	-	-
4	SWG-WPPVE-FEED-70-PL-DCR-0001	-	-
3	SWG-WPPVE-FEED-60-ME-LST-0001	-	-
2	SWG-WPPVE-FEED-00-PR-PFD-0001	B1	-
1	SWG-WPPVE-FEED-60-PR-PID-0002	B1	1/1

DATE	DATE	DATE
WP-PVE	SWPOC	CA

CLIENT: PETROVIETNAM OIL AND GAS GROUP
SOUTHWEST PIPELINE OPERATING COMPANY

CONTRACTOR: **WorleyParsons**
resources & energy
CONSORTIUM OF WORLEYPARSONS & PV ENGINEERING

PROJECT: **BLOCK B - O MON GAS PIPELINE**

STAGE: FEED AND COST ESTIMATION UPDATE

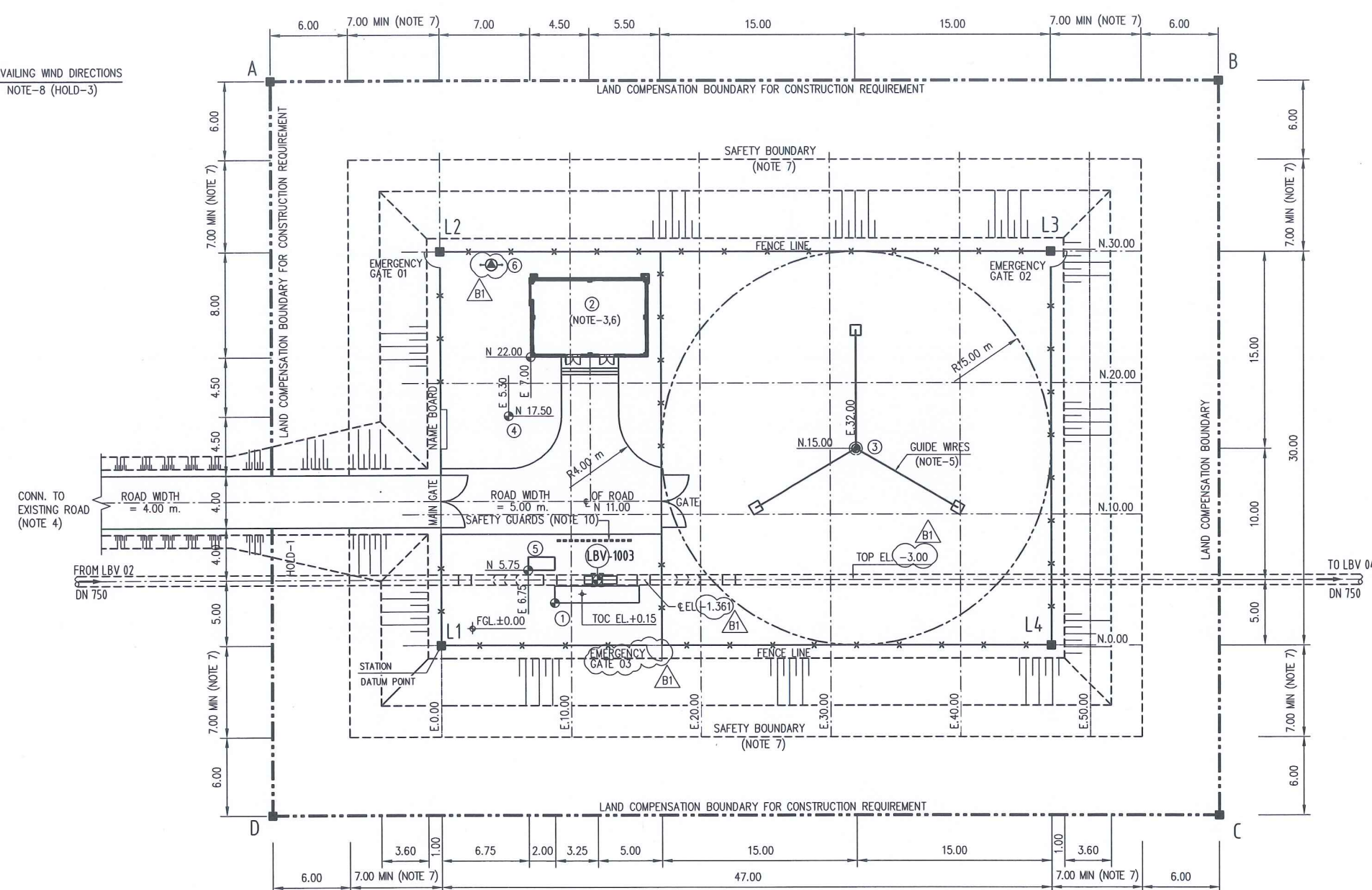
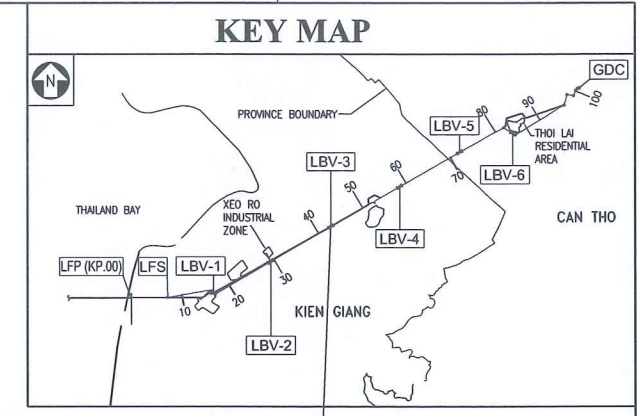
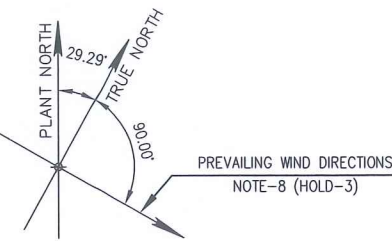
TITLE: LBV STATION 02 PLOT PLAN

PROJ. CODE	DWG No.	SHEET	REV.
SWG	SWG-WPPVE-FEED-60-PI-DPP-0002	1/1	B1

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PV ENGINEERING J.S.C

LBV 03 - KP.42+730



LEGEND



STATION DATUM COORDINATES
 N 0.00
 E 0.00

VN2000 COORDINATES
 X= 1093495.908
 Y= 579631.012

7	SWG-WPPVE-FEED-60-CI-DAL-0003	-	-
6	SWG-WPPVE-FEED-60-CI-DAL-0002	-	-
5	SWG-WPPVE-FEED-60-CI-DPP-0001	-	-
4	SWG-WPPVE-FEED-70-PL-DCR-0001	-	-
3	SWG-WPPVE-FEED-60-ME-LST-0001	-	-
2	SWG-WPPVE-FEED-00-PR-PFD-0001	B1	-
1	SWG-WPPVE-FEED-60-PR-PID-0003	B1	-
NO.	DOCUMENT/ DRAWING NUMBER	REV.	SHT.No.

REFERENCE DOCUMENTS/ DRAWINGS			
DATE	DATE	DATE	
WP-PVE	SWPOC	CA	

B1	18/7/17	ISSUED FOR APPROVAL	DNC	TNM/NTS	V.K
A1	22/6/17	ISSUED FOR REVIEW	DNC	TNM/NTS	V.K
REV.	DATE	DESCRIPTION	PRE'D	CHK'D	APP'D

CLIENT:
PETROVIETNAM OIL AND GAS GROUP
 SOUTHWEST PIPELINE OPERATING COMPANY

CONTRACTOR:

 CONSORTIUM OF WORLEYPARSONS & PV ENGINEERING

PROJECT:
BLOCK B - O MON GAS PIPELINE

STAGE:
 FEED AND COST ESTIMATION UPDATE

TITLE:
 LBV STATION 03 PLOT PLAN

PROJ. CODE	DWG No.	SHEET	REV.
SWG	SWG-WPPVE-FEED-60-PI-DPP-0003	1/1	B1

- NOTES:
- ALL DIMENSIONS ARE IN METERS UNLESS NOTED OTHERWISE
 - FGL ±0.00 : FINISHED GROUND LEVEL CORRESPONDS TO +2.0 METRE ABOVE NATIONAL ALTITUDES SYSTEM HONDAU - HAI PHONG COORDINATE SYSTEM: VN2000, CENTRAL MERIDIAN: 104°30', ZONE: 3'
 - SOLAR SYSTEM WILL BE INSTALLED ON UTILITY AND GUARD HOUSE
 - ACCESS ROAD REFER TO DWG. No. SWG-WPPVE-FEED-60-CI-DAL-0003
 - GUIDE WIRES ARE INDICATED ONLY, TO BE DESIGNED BY CIVIL
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 - SAFETY BOUNDARY DEFINED ACCORDING TO THE VIETNAM GOVERNMENT DECREE No. 13/2011/NĐ-CP/TABLE 9. (SAFETY BOUNDARY SHALL HAVE VISIBLE SIGNS INSTALLED.)
 - WIND DIRECTION BASED ON Q/VN-2009/BX0
 - COORDINATES ARE BASED ON PIPELINE ROUTES DWG NO: SWG-WPPVE-FD-70-PL-DCR-0001
 - TO BE PROVIDED BY CIVIL
- HOLDS:
- COORDINATES TO BE CONFIRMED BY ONSHORE PIPELINE
 - DIMENSIONS
 - PREVAILING WIND

COORDINATES OF CONTROL POINT LBV 03					
POINT	NATIONAL (VN 2000)		LOCAL		NOTE
	X(m)	Y(m)	EASTING	NORTHING	
L1	1093495.908	579631.012	0.00	0.00	
L2	1093522.073	579616.336	0.00	30.000	
L3	1093545.066	579657.327	47.000	30.000	
L4	1093518.901	579672.004	47.000	0.00	
A	1093527.051	579598.638	-13.000	43.000	
B	1093562.764	579662.306	60.000	43.000	
C	1093513.923	579689.702	60.000	-13.000	
D	1093478.210	579626.034	-13.000	-13.000	

ITEM LIST				
ITEM No.	DESCRIPTION	SIZE. (m)	EASTING	NORTHING
1	BLOCK VALVE AREA	HOLD-2	8.750	3.250
2	UTILITY AND GUARD HOUSE	HOLD-2	7.000	22.000
3	COLD VENT	HOLD-2	32.000	15.000
4	WINDSOCK	HOLD-2	6.30	17.50
5	PORTABLE NITROGEN SKID	HOLD-2	6.750	5.750
6	POLE MOUNTED TRANSFORMER	HOLD-2	4.000	29.000



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