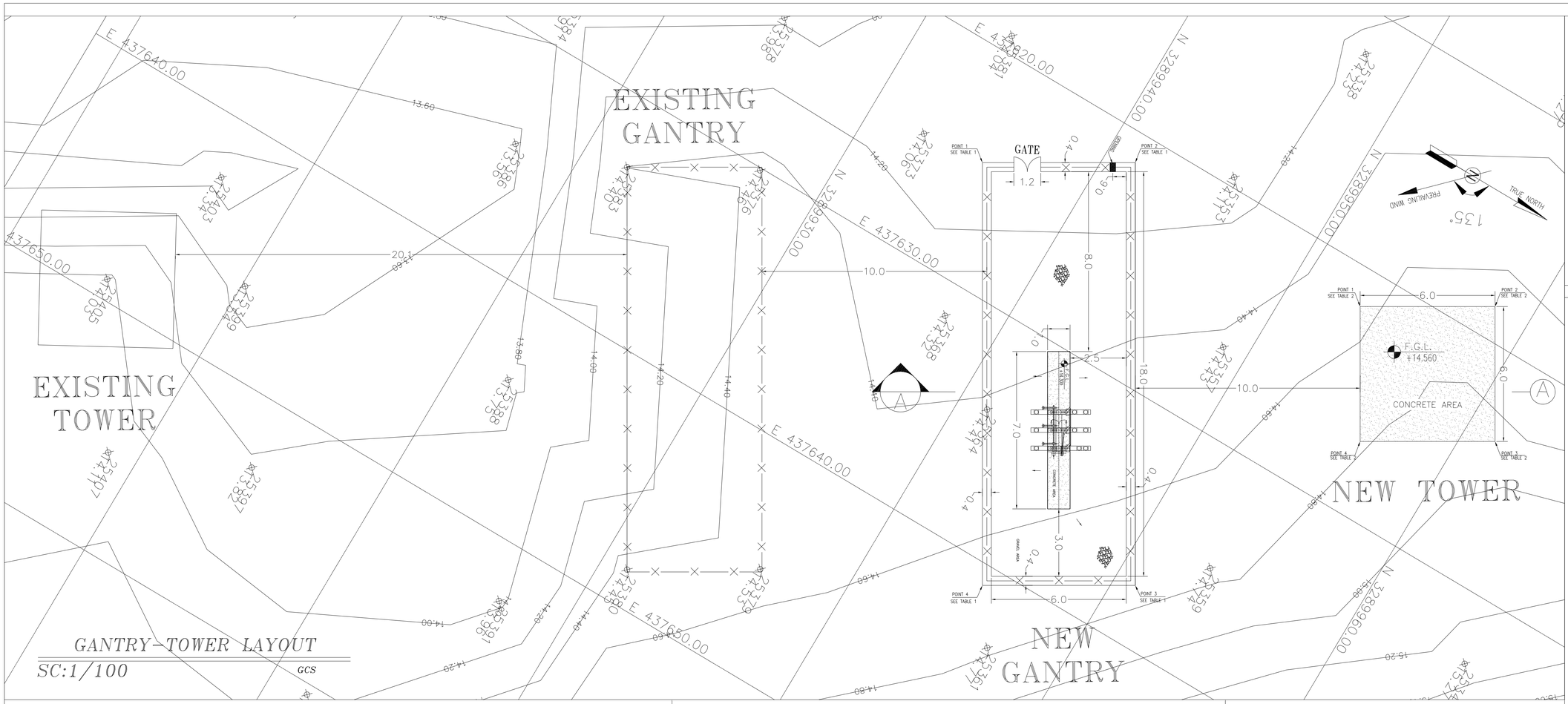
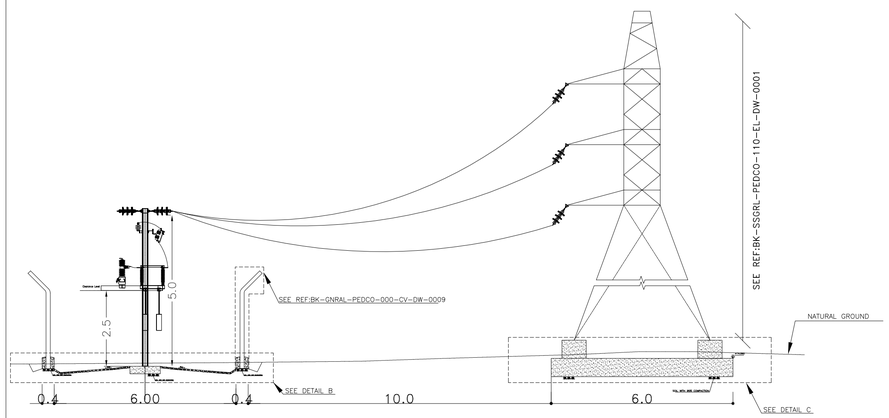
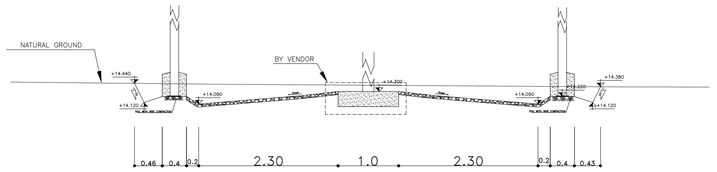


GANTRY–TOWER LAYOUT

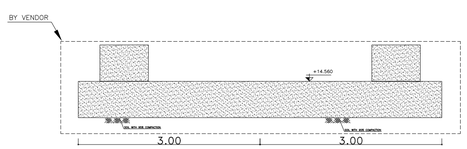
SC:1/100 GCS



1:100 A CROSS SECTION – GANTRY–TOWER GCS



1:50 B NEW GANTRY DETAIL GCS GANTRY



1:50 C NEW TOWER DETAIL BEGIN OF OVER HEAD LINE BK14

NOTES

1– ALL COORDINATES AND ELEVATIONS ARE IN METER.

2– ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.

3–GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:

HORIZONTAL COORDINATE SYSTEM:	WGS84/UTM ZONE 39
ELLIPSOID :	WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION:	UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM:	MEAN SEA LEVEL

4–THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
- PROJECT GEOTECHNICAL INVESTIGATION REPORT, BORROW MATERIALS AND SPECIFICATION STUDY PART.
- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK–GNRAL–PEDCO–000–CV–SP–0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.

5–BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,..) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

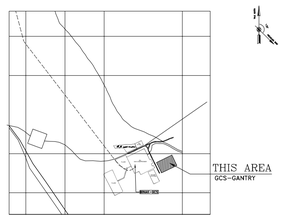
6–THE EXACT CORNER LOCATIONS SHALL BE ADJUSTED AT SITE.

LEGEND

Existing GRAVEL ROAD		CHANNEL	
New GRAVEL ROAD		RIVER	
ASPHALT ROAD		WATER COURSE	
STAIR		CONTOURS	55 / 50
TRENCH		SPOT HEIGHT	99.27
FENCE		BENCH MARK	
RETAINING WALL		CULVERT	
WATER LINE		WELL LOCATION	
POWER LINE		WELL	
GRAVEL AREA		BURNPIT	
CONCRETE AREA		SITE (LOCATION)	
EXISTING CONCRETE AREA		DRILLING CONEX AREA	
SEPTIC		OIL LINE	
MANHOLE		BURN PIT LINE	
POLE		NEW BURN PIT LINE	
HELIPAD		ROAD WIDENING AREA	
GEOMEMBRANE AREA			

REFERENCE DRAWING	DRG. No.
General Civil Layout for gantry of GCS	BK–GCS–PEDCO–120–CV–PY–0008
Over Head Line Plan and Profile – W0073	BK–W0073–PEDCO–110–SU–DW–0002
Over Head Line Plan and Profile – W0465	BK–W0465–PEDCO–110–SU–DW–0002
Standard Drawing For Fence & Gate Details	BK–GNRAL–PEDCO–000–CV–DW–0006
Typical Installation Details & Notes For Over Head Line Equipment	BK–SSGRL–PEDCO–110–EL–DW–0001
EARTHING LAYOUT FOR ELECTRICAL TOWER (GANTRY) OF WELL PADS	BK–SSGRL–PEDCO–110–EL–PY–0001
INSTALLATION DETAIL & NOTES FOR CONNECTION OHL TO GANTRIES FOR WELLS	BK–SSGRL–PEDCO–110–EL–DW–0002

KEY PLAN



BENCH MARK LIST

Point	Easting	Northing	Elevation
BT1	437235.882	3290019.26	12.335
BT4	437421.713	3290025.268	10.992
ST5	437435.489	3289980.901	10.986
ST6	437338.947	3289874.973	10.926
ST7	437545.763	3289974.61	11.002

TABLE 1 (CORNERS COORDINATES–NEW GANTRY)

Points Name	Easting	Northing
Point 1	437624.751	3289935.491
Point 2	437621.269	3289941.332
Point 3	437637.417	3289950.959
Point 4	437640.899	3289945.118

TABLE 2 (CORNERS COORDINATES–NEW TOWER)

Points Name	Easting	Northing
Point 1	437621.646	3289953.199
Point 2	437618.574	3289958.352
Point 3	437623.727	3289961.425
Point 4	437626.800	3289956.271

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	
***	**********	**.**	***.****	**.**	***.****
D00	AUG.2023	IFC	R.BERLOUIE	M.FAKHARIAN	A.M.MOHSENI	**.**
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

اصل و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SURFACE FACILITIES GAS COMPRESSOR STATION

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY (PEDCO)

BINAK OILFIELD DEVELOPMENT
SURFACE FACILITIES
GAS COMPRESSOR STATION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION | BY: | DATE:

DRAWING TITLE: General Civil Layout for gantry of GCS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK–GCS–PEDCO–120–CV–PY–0008	1 OF 1	D00

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053–073–9184	F	5	S	709514	1	D00