

- NOTES
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- 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: MSL
 - 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

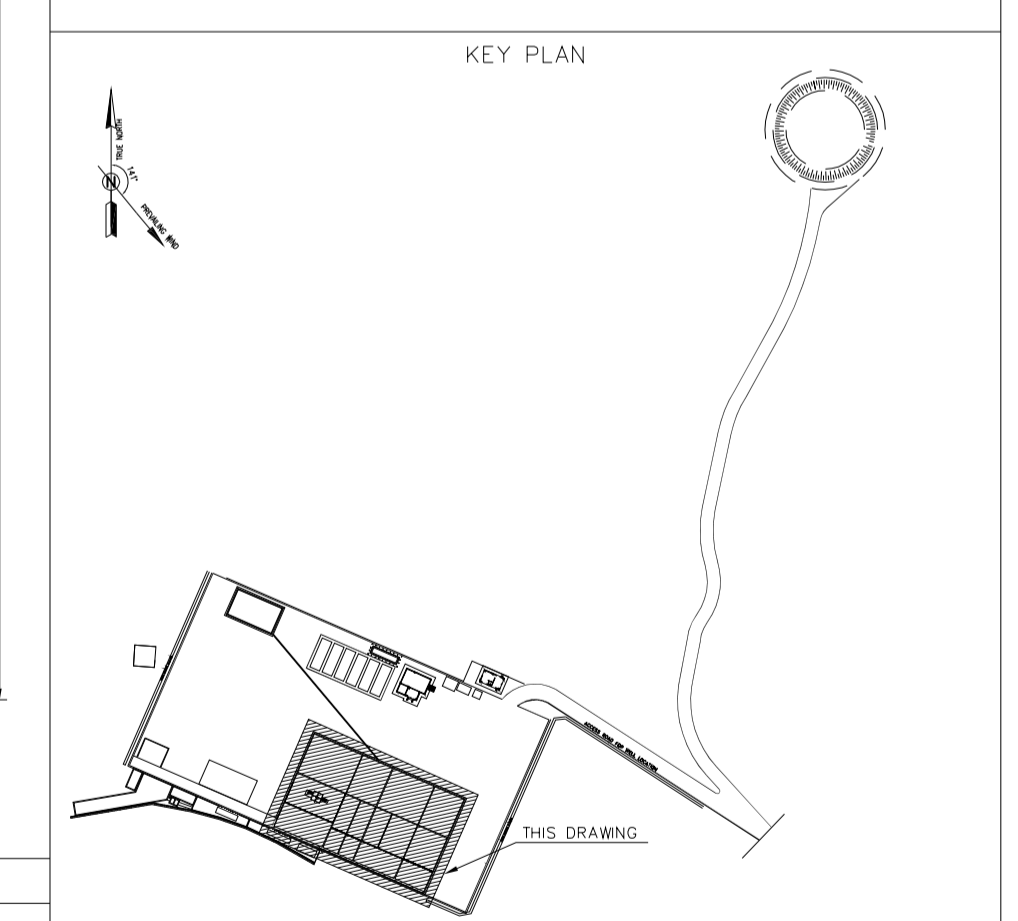


TABLE 1
(CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437817.067	N=3294992.493
POINT 2	E=437832.001	N=3295028.744
POINT 3	E=437890.665	N=3295003.167
POINT 4	E=437874.519	N=3294966.135

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

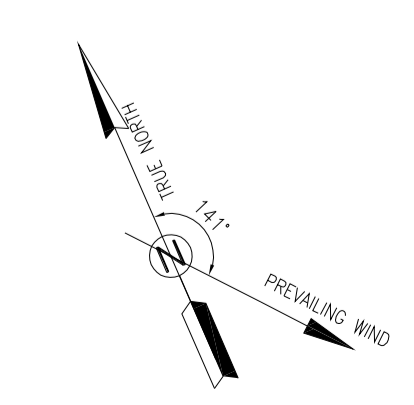
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

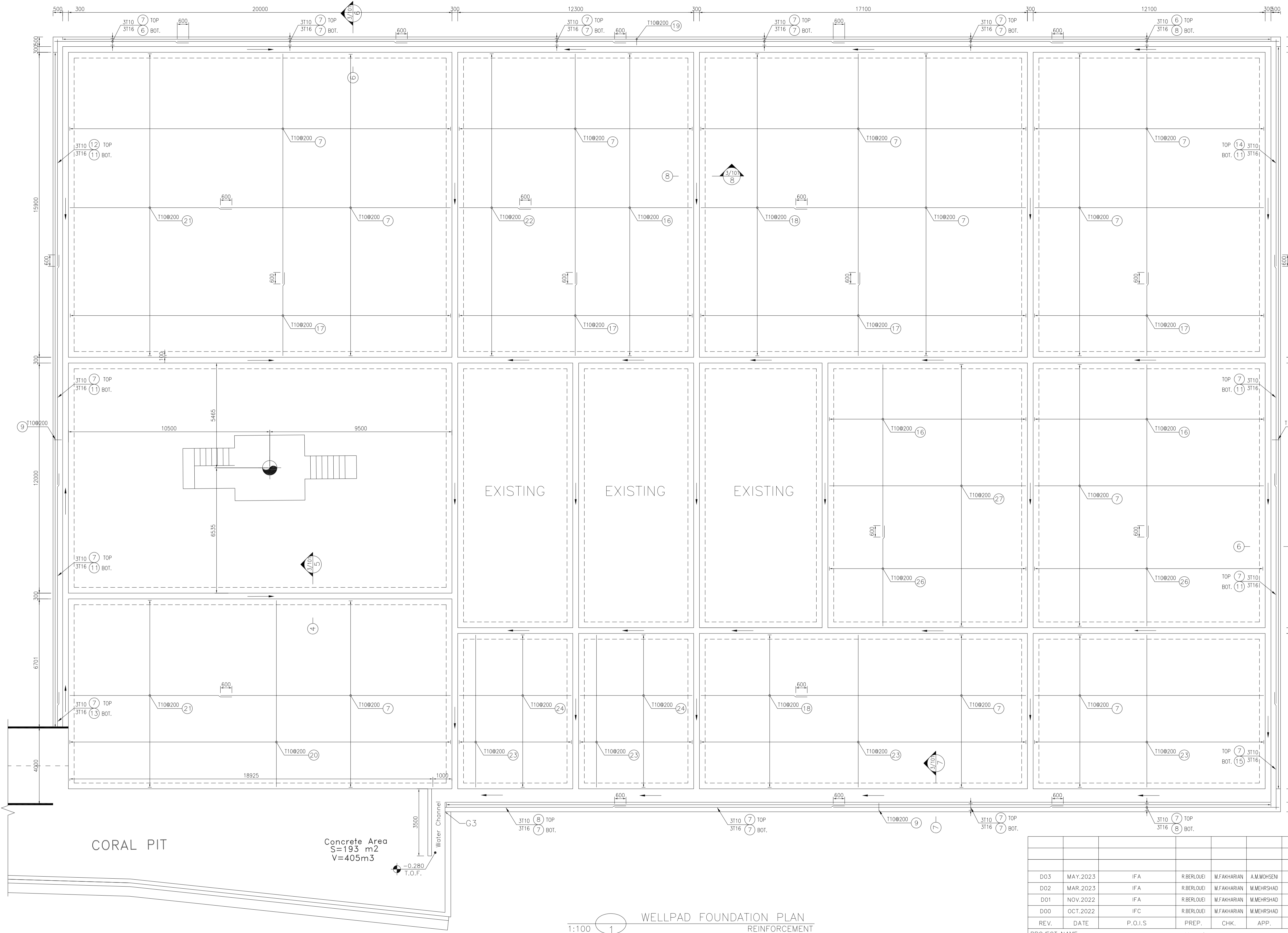
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WELLPAD FOUNDATION FORMWORK PLAN

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	1	D03





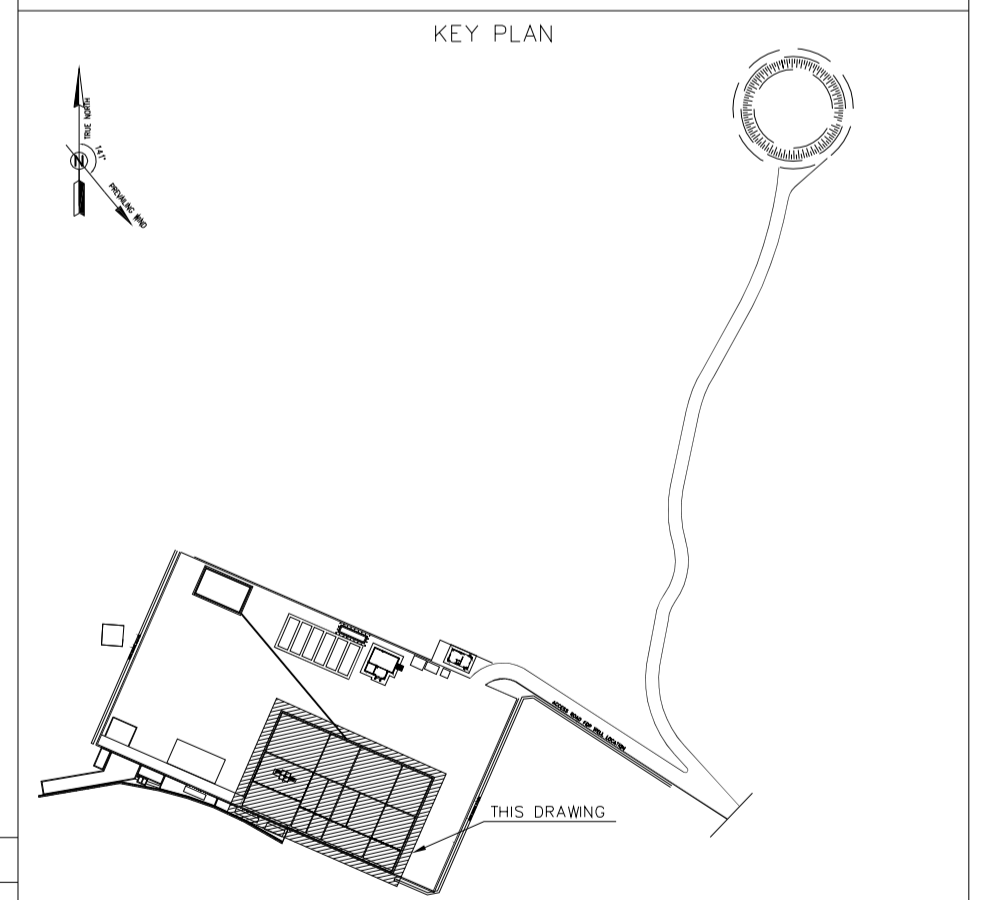
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DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
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VERTICAL DATUM: MSL
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±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
T.O.R	TOP OF ROAD		

REFERENCE DRAWING

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FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



1:100 **WELLPAD FOUNDATION PLAN**
REINFORCEMENT

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

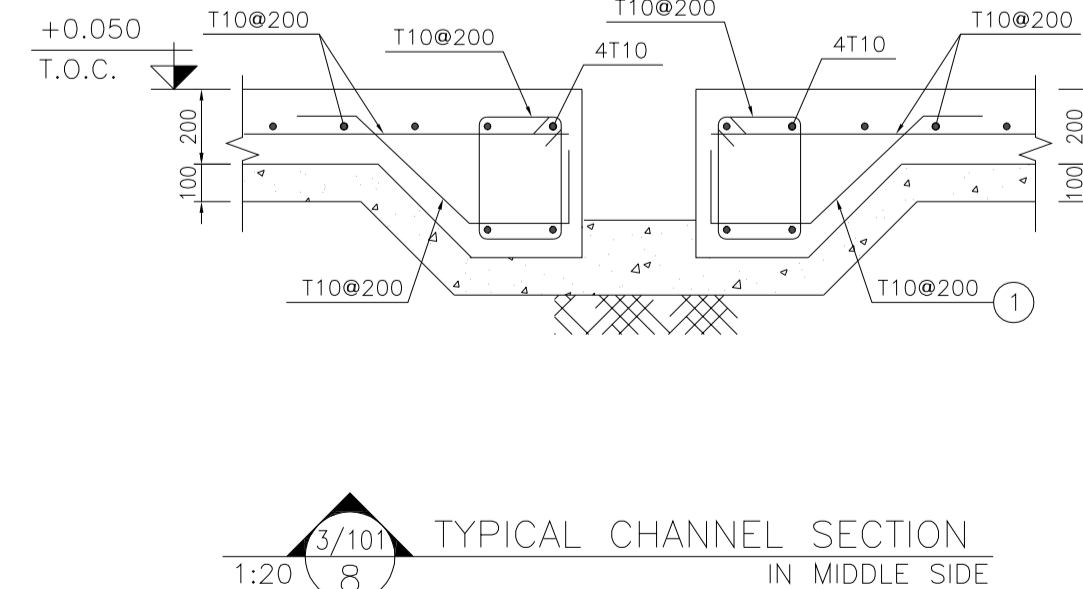
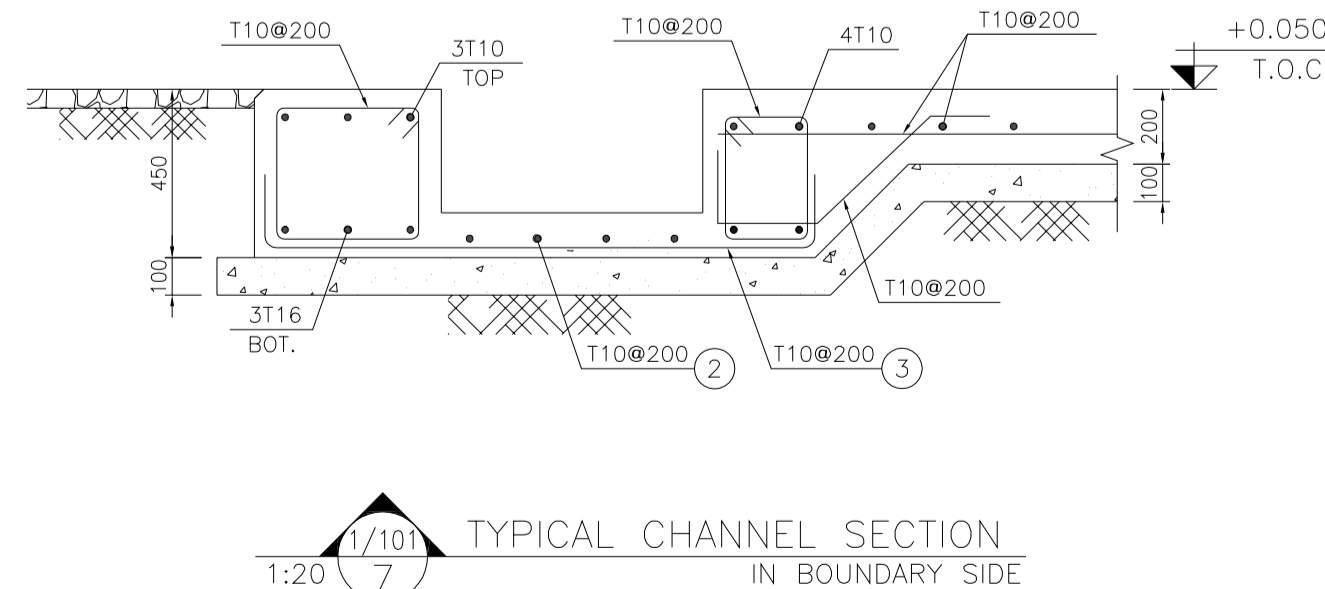
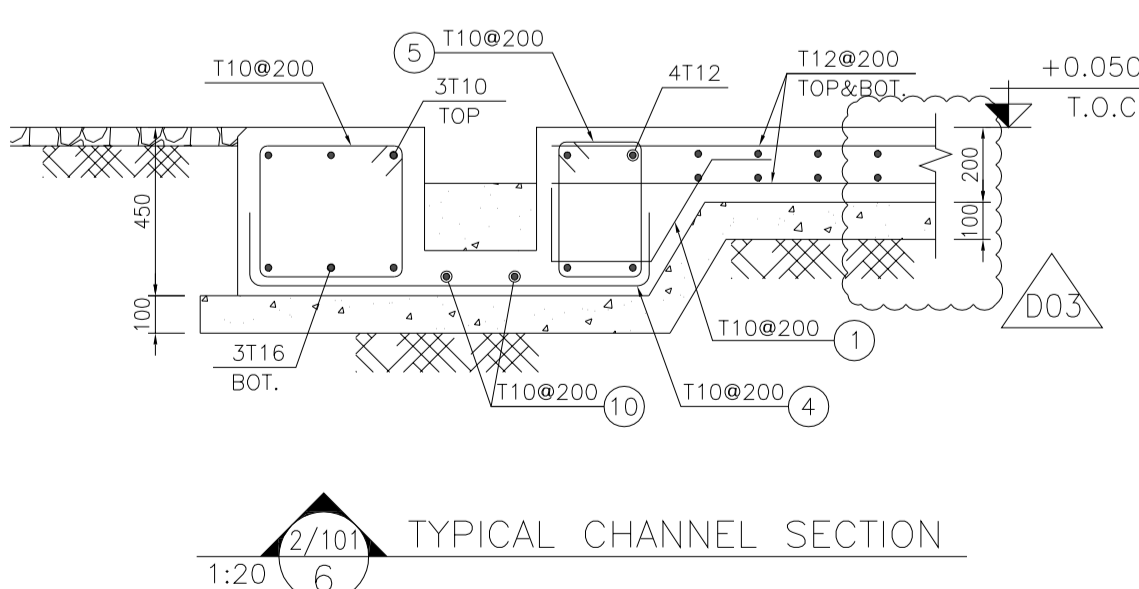
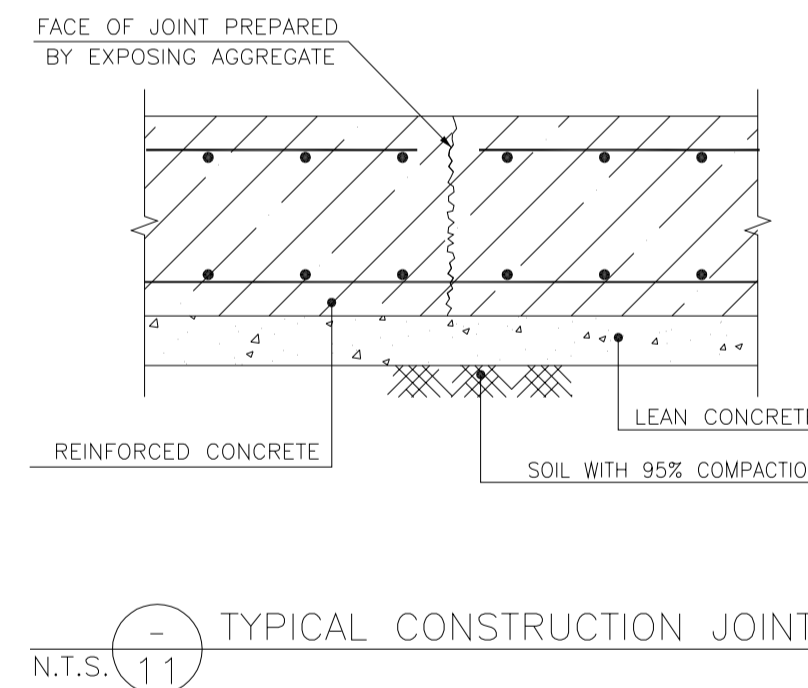
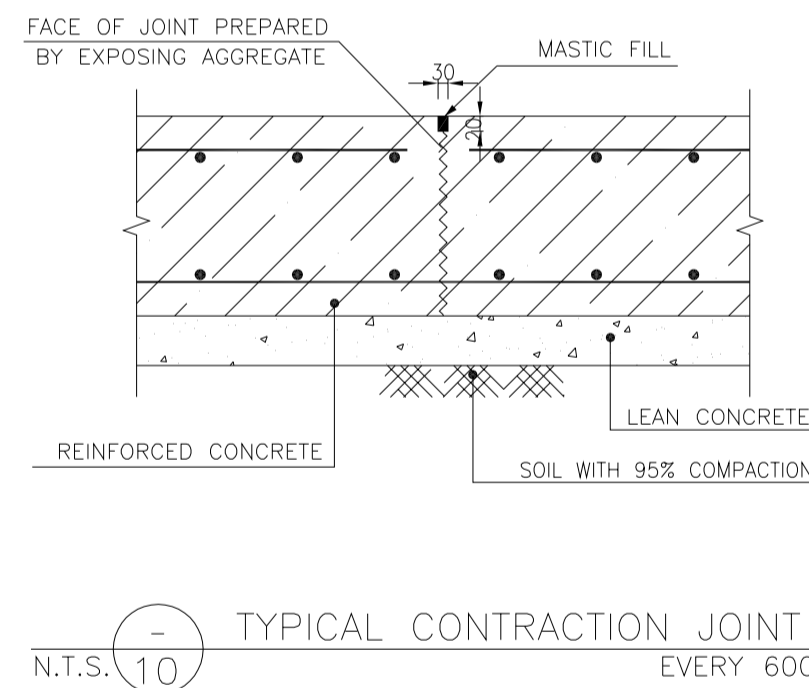
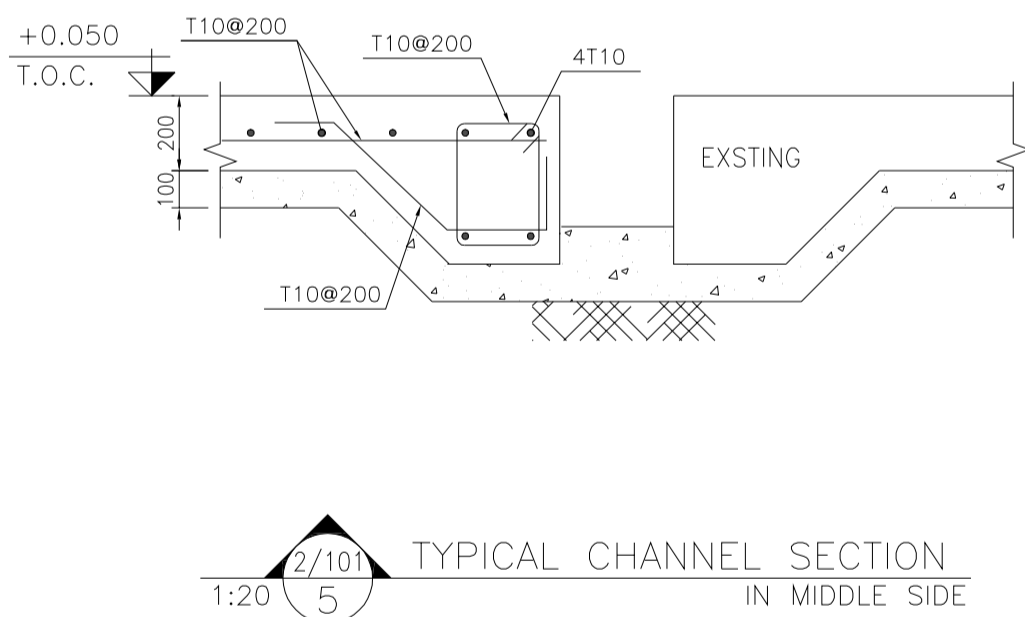
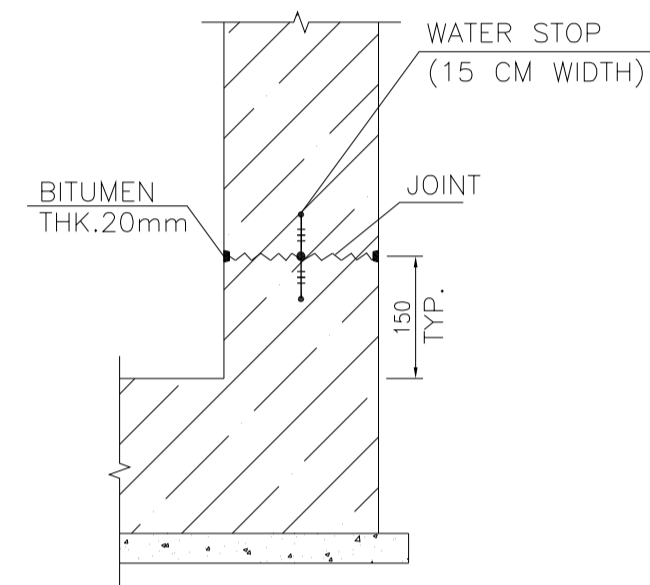
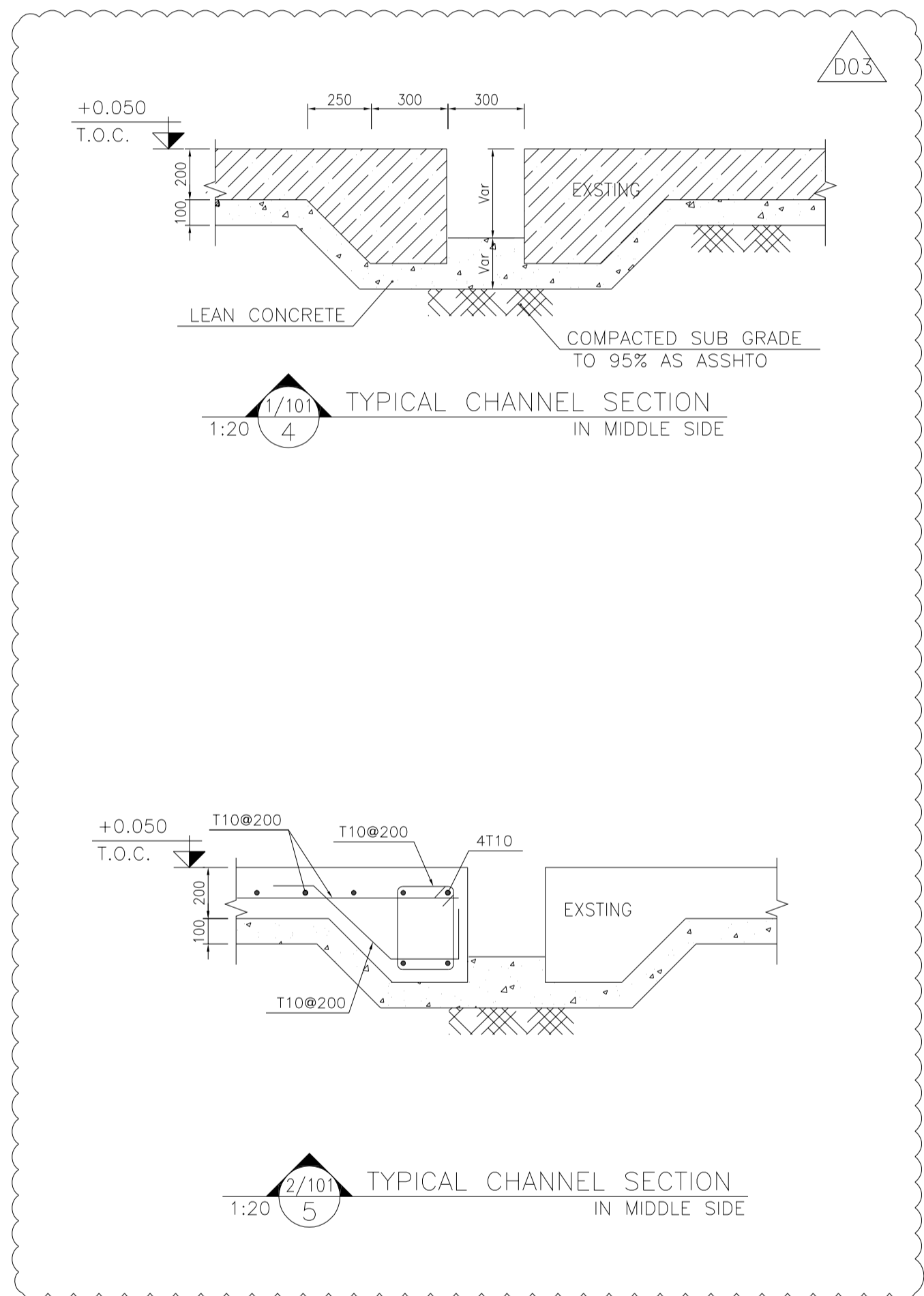
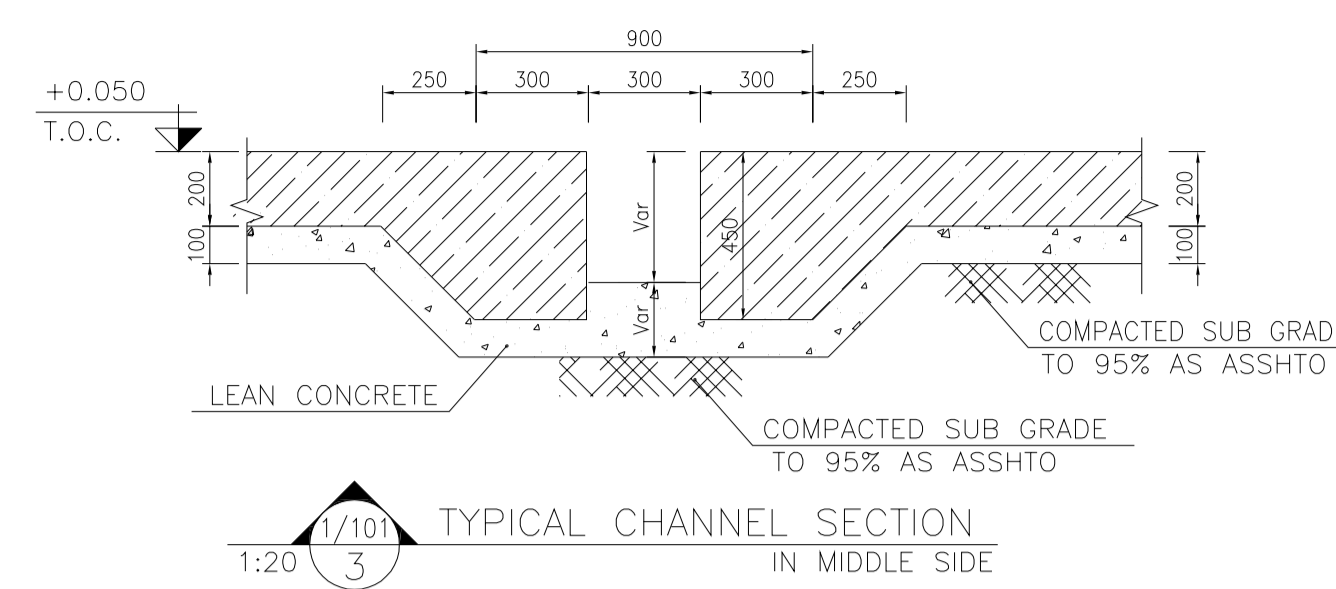
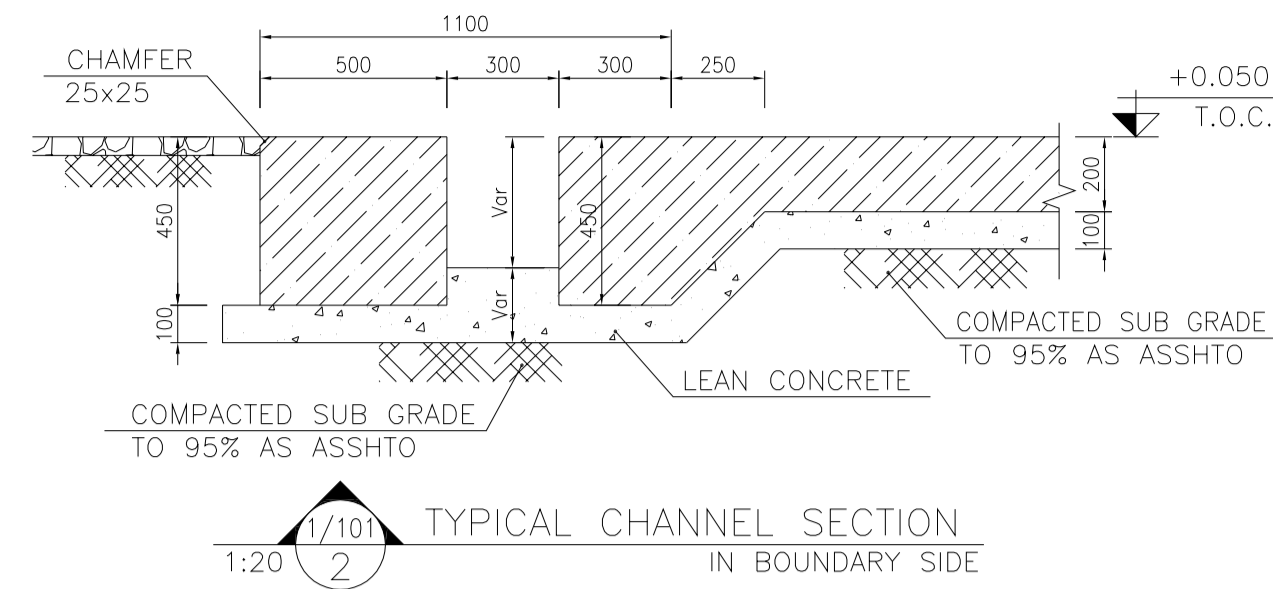
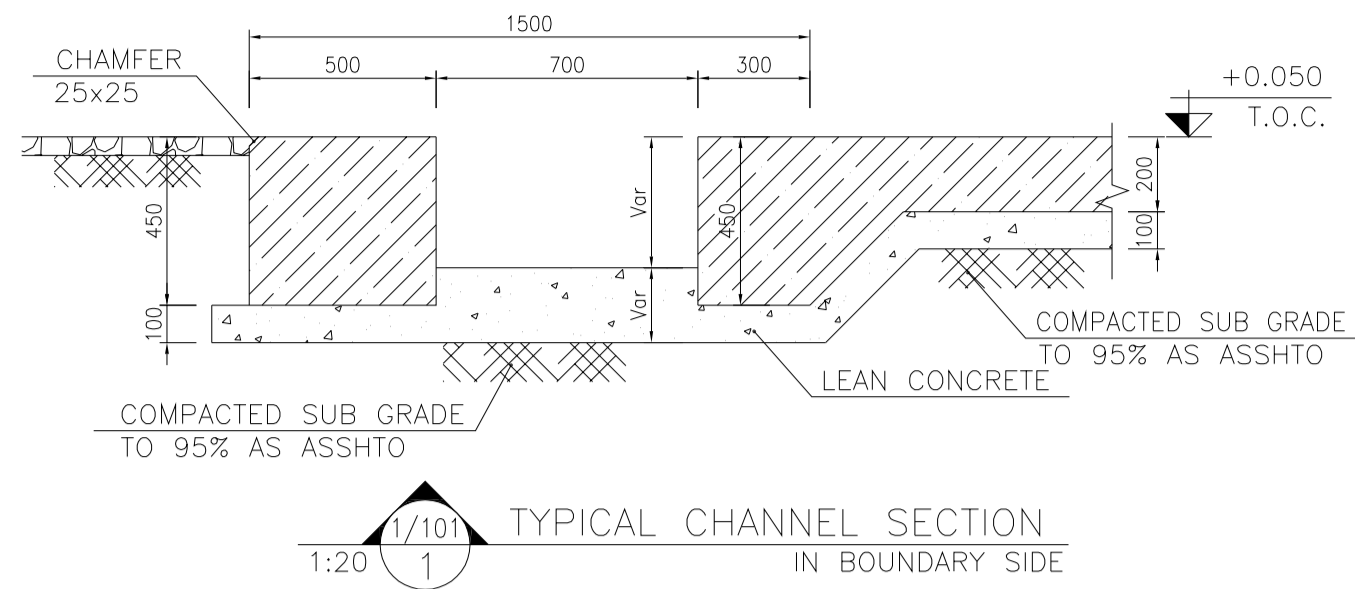
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WELLPAD FOUNDATION REINFORCEMENT PLAN

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

APPROVED FOR CONSTRUCTION	BY:	DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	2 OF 101	D03	053-073-9184	F	4	S	708209	2	D03



• SHOULD BE USED MICRO SILICA IN THE FLOOR AND WALLS CONCRETE. (IN THE FORM OF A GEL CONTAINING FIBER MATERIAL)

•• SHOULD BE USED THE EMULSION ON CONCRETE EXPOSED WITH SOIL. B-90-COAT.M.E IS A BITUMEN-BASED ONE-COMPONENT EMULSION PROTECTIVE COATING TO PREVENT THE PENETRATION OF DESTRUCTIVE SALTS & IONS. THIS MATERIAL IS CONTROLLED ACCORDING TO THE FOLLOWING STANDARDS: ASTM D1227, ASTM D2939, ASTM D1640

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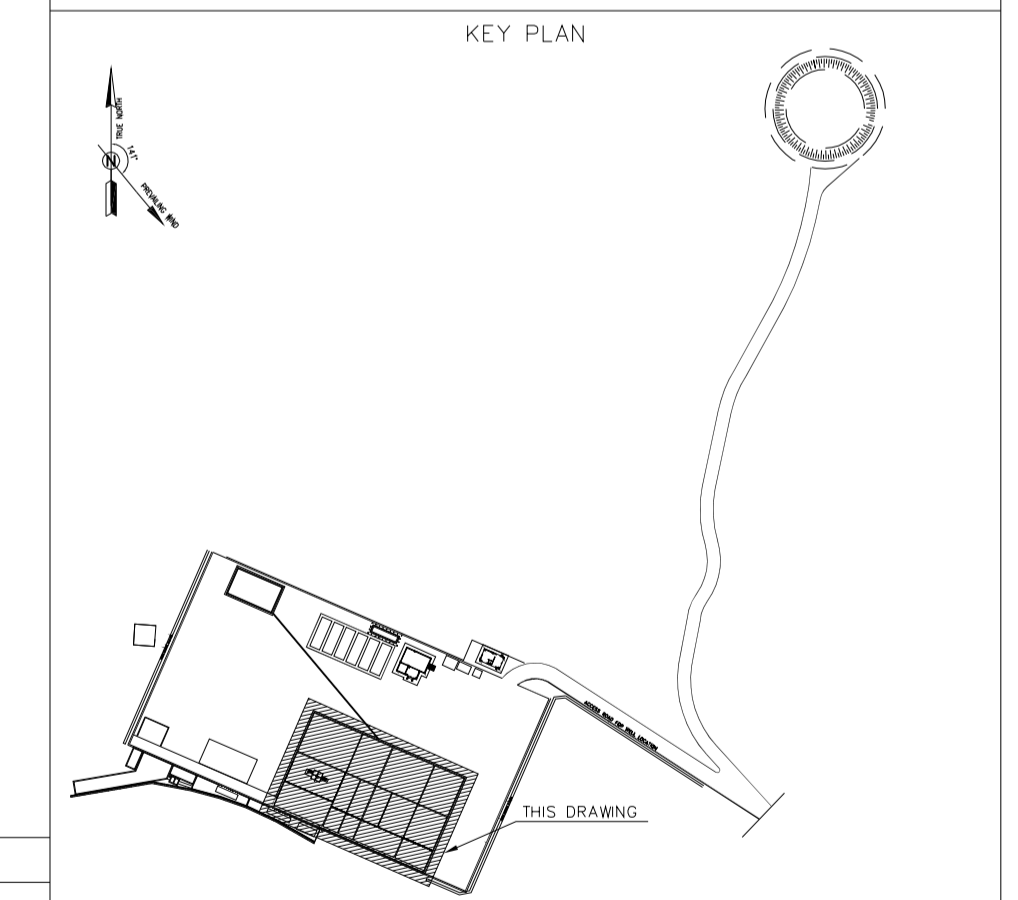
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2	T10	460	0.460	4	1.840	
3	T10	200 1500 200	1.900	295	560.500	
4	T10	200 1100 200	1.500	680	1020.000	
5	T10	220 350 105	1.350	896	1209.600	
6	T10	7000	7.000	6	42.000	
7	T10	12000	12.000	814	9768.000	
8	T10	11000	11.000	8	88.000	
9	T10	400 350 100	1.700	596	1013.200	
10	T10	2700	2.700	2	5.400	
11	T16	12000	12.000	18		216.000
12	T10	1850	1.850	3	5.550	
13	T16	1850	1.850	3		5.550
14	T10	6115	6.115	3	18.345	
15	T16	6115	6.115	3		18.345
16	T10	9000	9.000	227	2043.000	
17	T10	4350	4.350	311	1352.850	
18	T10	5550	5.550	121	671.550	
19	T10	300 350 100	1.500	318	477.000	
20	T10	9730	9.730	101	982.730	
21	T10	8450	8.450	130	1098.500	
22	T10	3750	3.750	80	300.000	
23	T10	7950	7.950	209	1661.550	
24	T10	9850	5.850	82	479.700	
25	T10	6250	6.250	70	437.500	
26	T10	5250	5.250	147	771.750	
27	T10	10250	10.250	70	717.500	
TOTAL LENGTH OR AREA (m/m ²)					27424.57	239.90
UNIT WEIGHT (Kg)					0.617	1.578
WEIGHT (Kg)					16920.95	378.56
GRAND TOTAL (Kg)					17300	Kg.

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WELLPAD AND RIG FOUNDATION DETAILS & SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	3 OF 101	D03	053-073-9184	F	4	S	708209	3	D03

REV. DESCRIPTION BY DATE BY DATE

CHECKED BY DATE

REV. APPR.

اسم و کليه نسخ اين نقشه به حق اقتباس متعلق به شرکت ملام مناطق نفت خيز جنوب ميباشند.

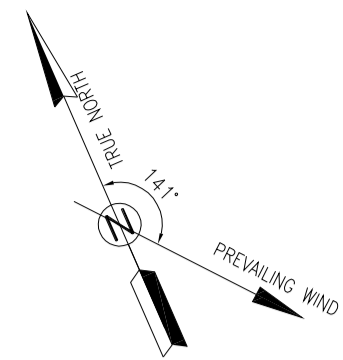
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:



NOTES

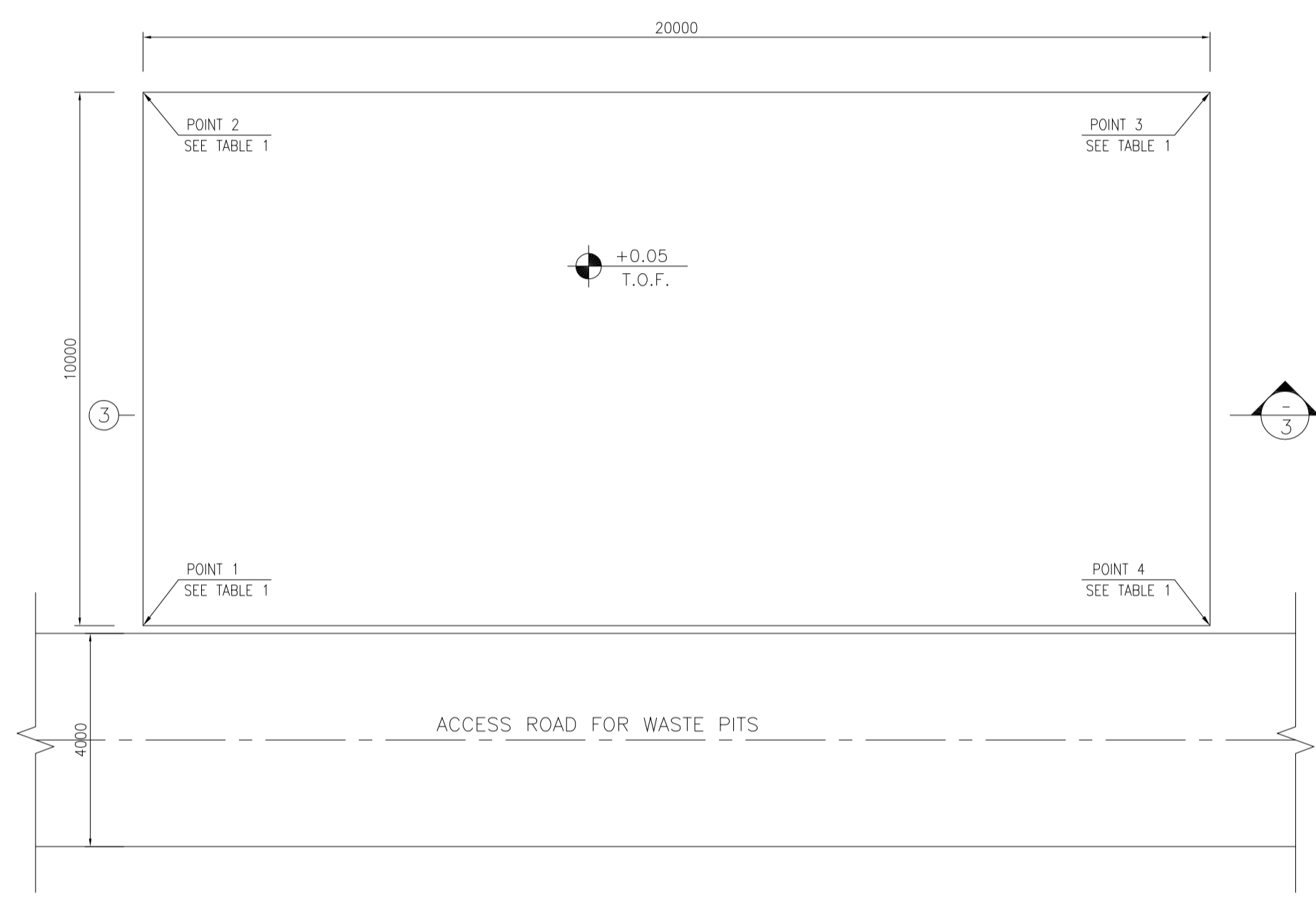
- 1- ALL COORDINATES ARE IN METER.
- 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
- 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
- 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
- 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
- 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
- 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
- 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
- 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
- 11- 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: MSL
- 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL



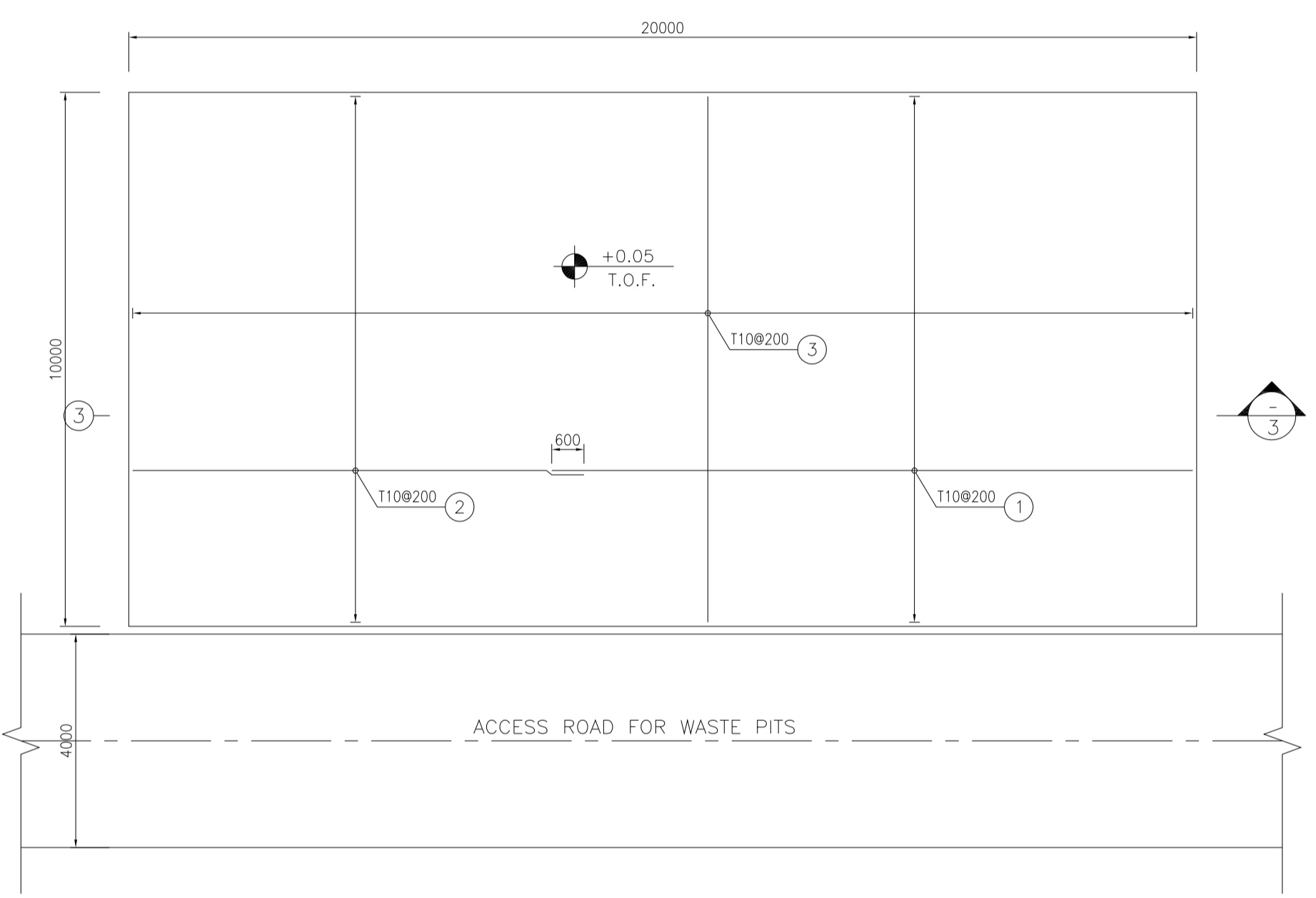
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
	T.O.F. TOP OF FOUNDATION		
	T.O.W. TOP OF WALL		
	T.O.C. TOP OF CONCRETE		
	T.O.PIT TOP OF PIT		
	B.O.P. BOTTOM OF PIPE		
	R.G.L. ROUGH GRADING LEVEL		
	T.O.R. TOP OF ROAD		

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



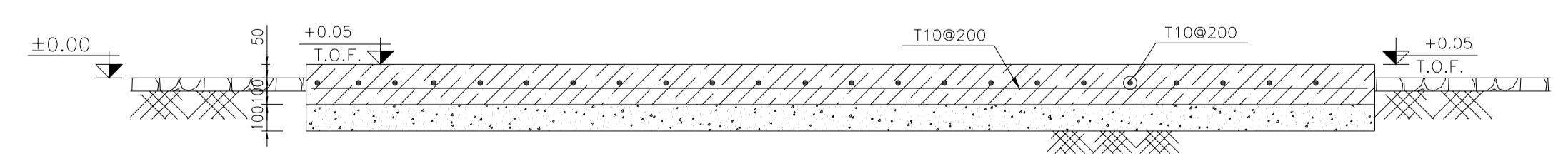
DEWATERING PLAN FORMWORK 1:100



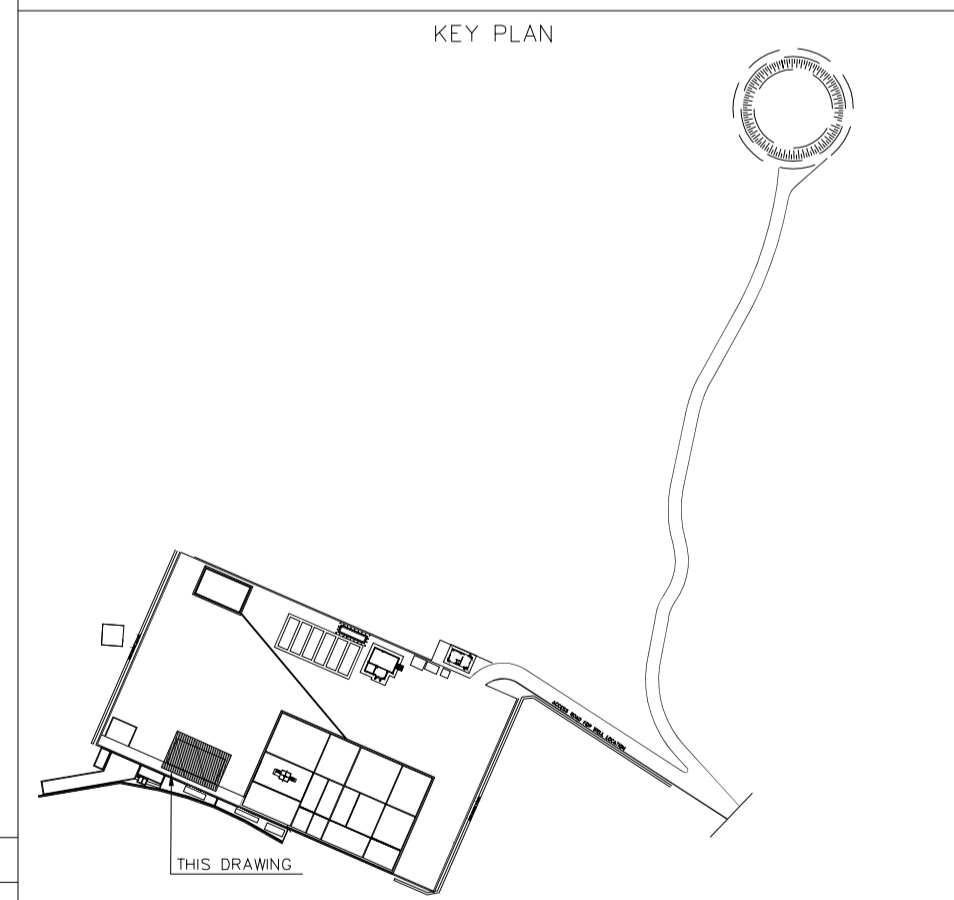
DEWATERING PLAN REINFORCEMENT 1:100

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POINT 1	E=437788.334	N=3295008.667
POINT 2	E=437792.331	N=3295017.834
POINT 3	E=437810.664	N=3295009.841
POINT 4	E=437806.667	N=3295000.674

Pos	Spec.	Shape	L/A	No.	T10
1	T10	12000	12.000	51	612.000
2	T10	8450	8.450	51	430.950
3	T10	9850	9.850	101	994.850
TOTAL LENGTH OR AREA (m/m ²)					2037.80
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					1257.32
GRAND TOTAL (Kg)					1257 Kg.



REINFORCEMENT 1:20



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 DEWATERING FORMWORK & REINFORCEMENT PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	4 OF 101	D03	053-073-9184	F	4	S	708209	4	D03

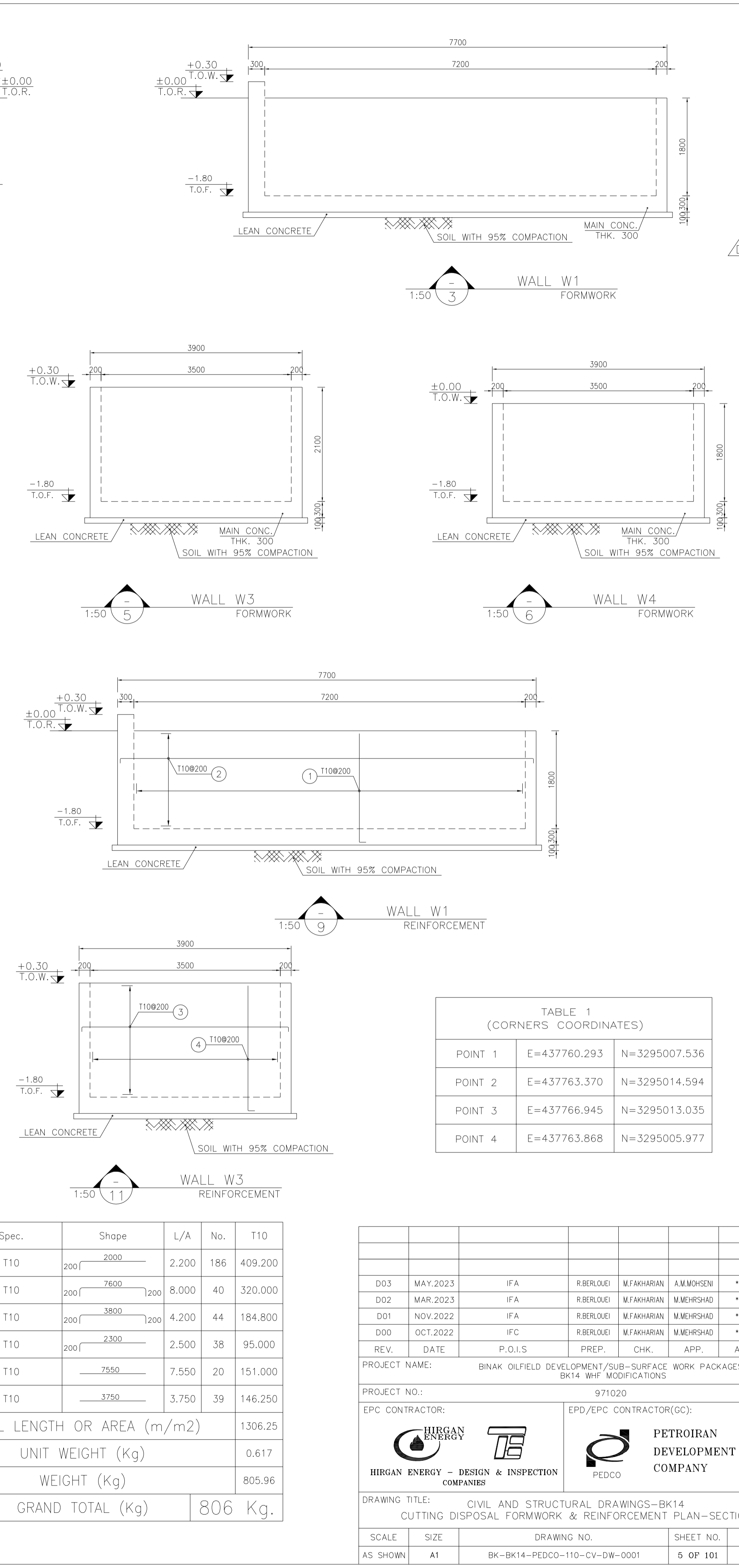
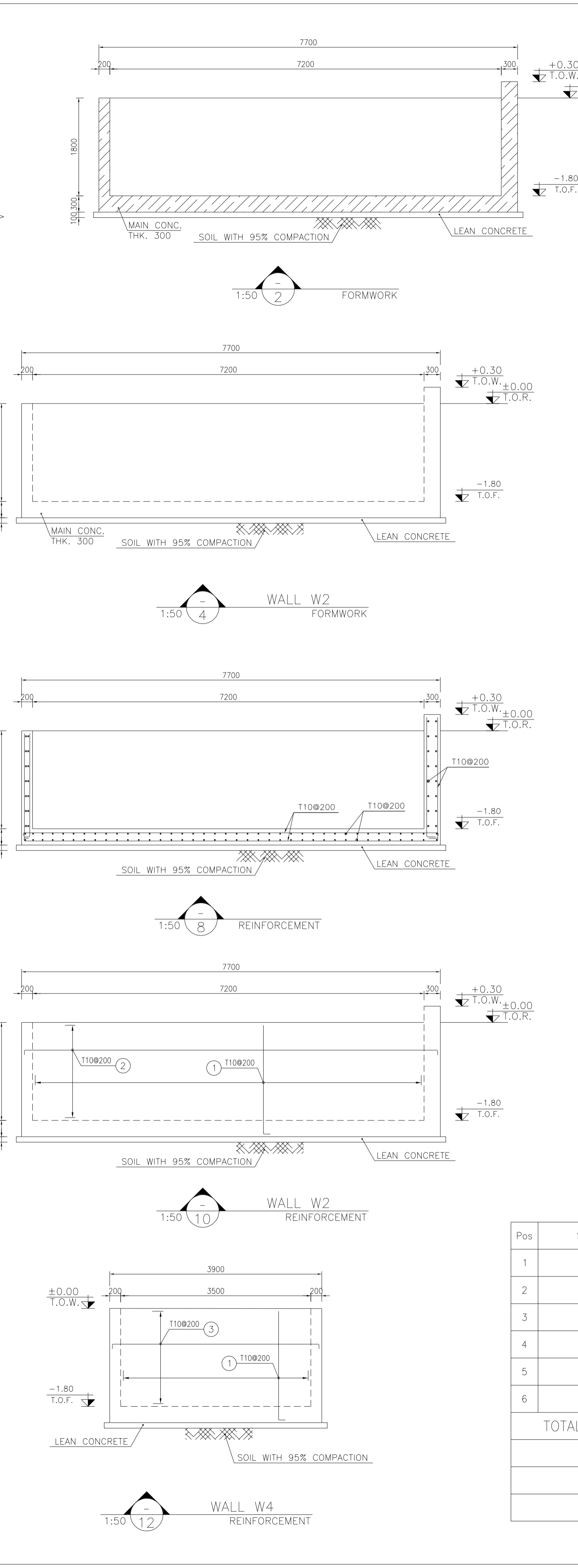
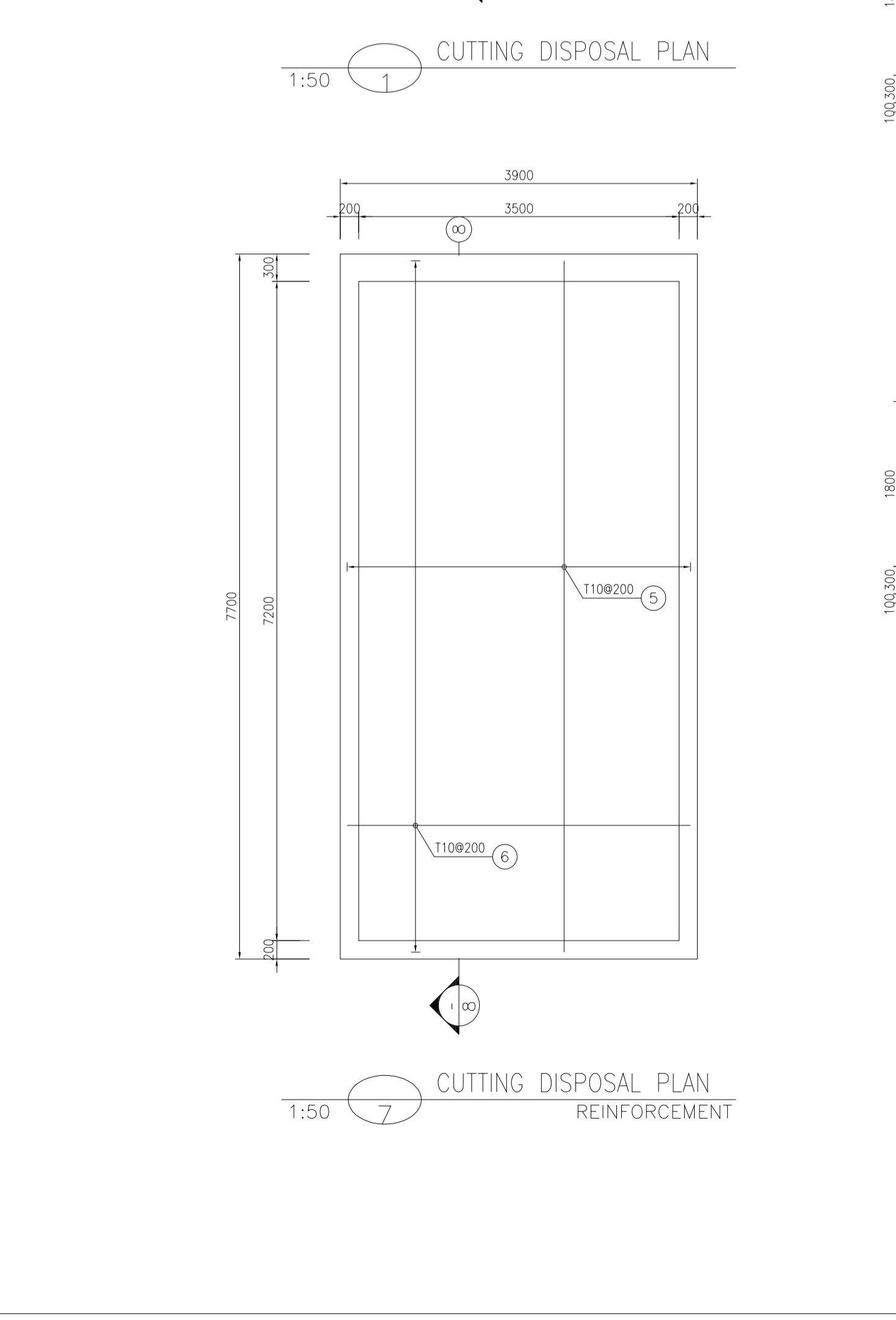
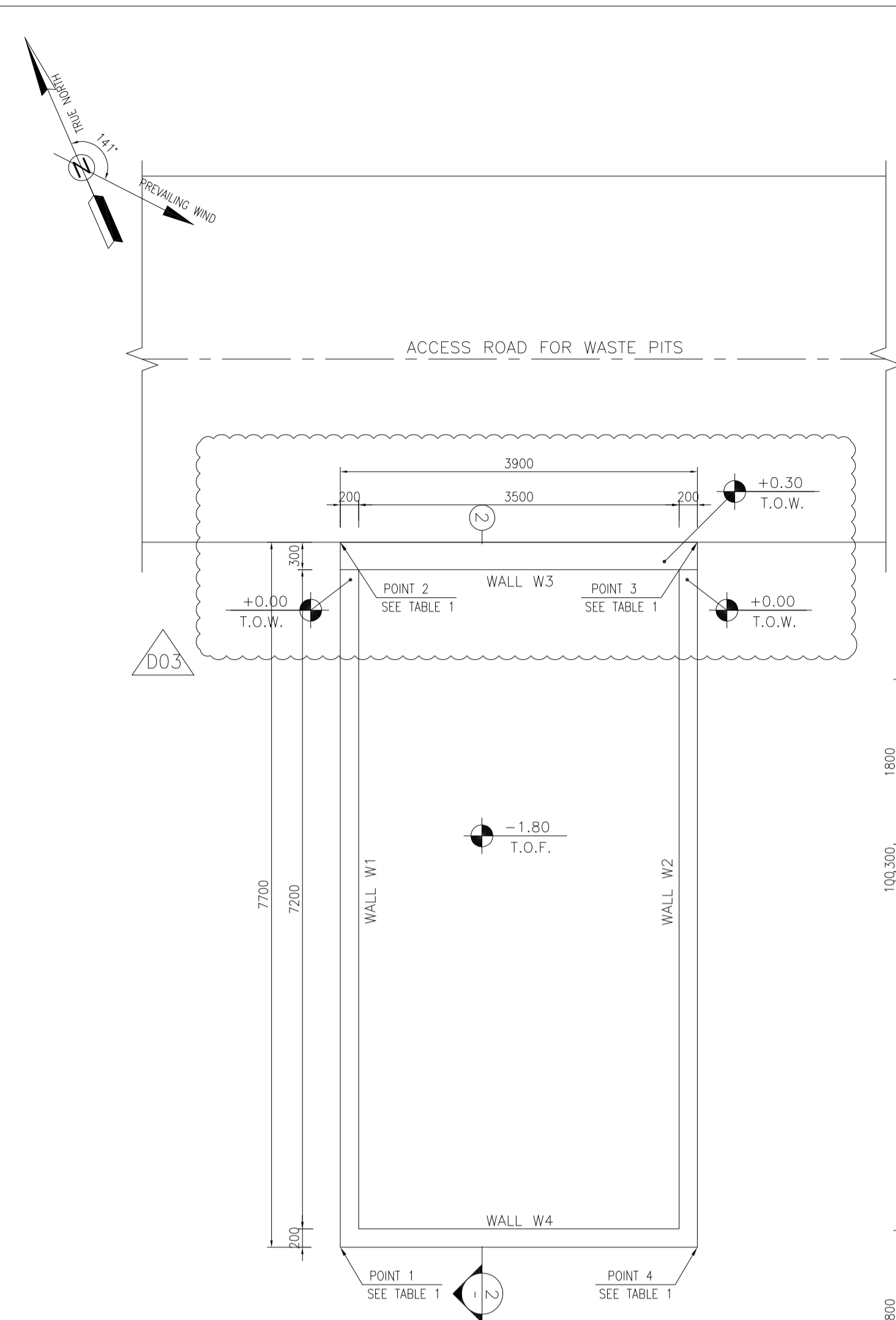


TABLE 1
(CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437760.293	N=3295007.536
POINT 2	E=437763.370	N=3295014.594
POINT 3	E=437766.945	N=3295013.035
POINT 4	E=437763.868	N=3295005.977

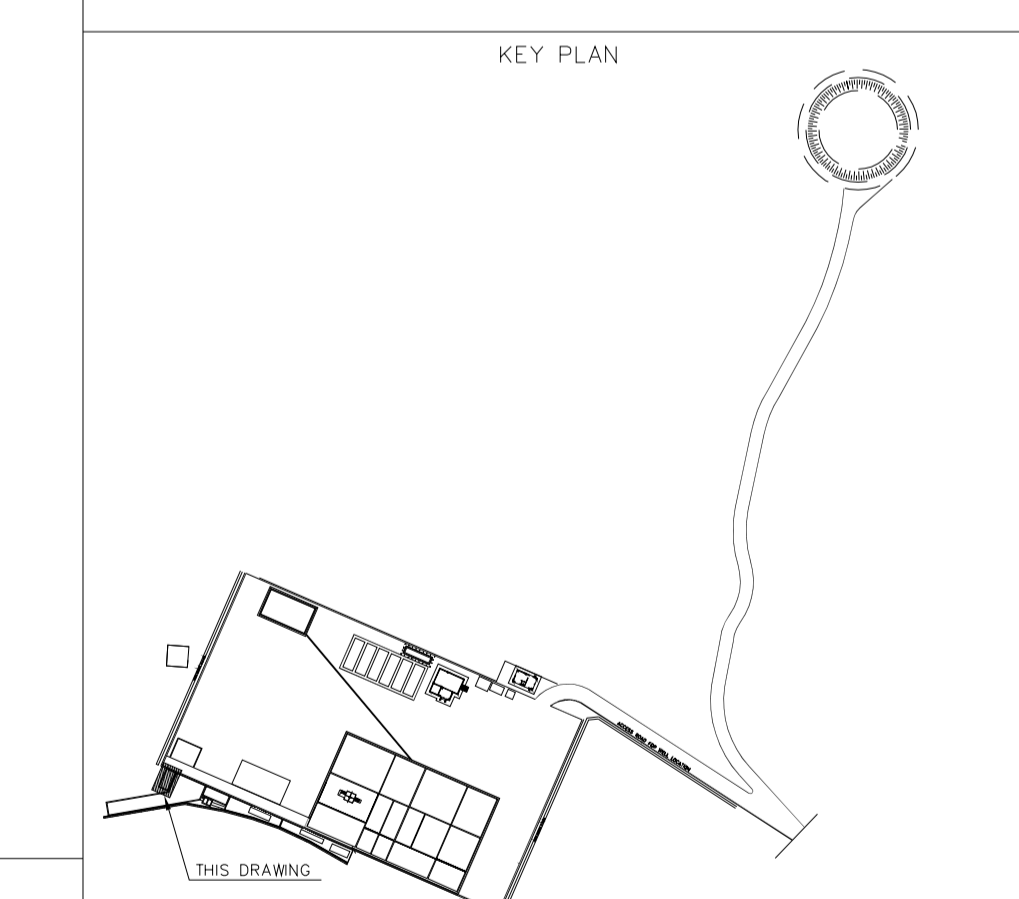
Pos	Spec.	Shape	L/A	No.	T10
1	T10	200	2.200	186	409.200
2	T10	200	8.000	40	320.000
3	T10	200	4.200	44	184.800
4	T10	200	2.500	38	95.000
5	T10	7550	7.550	20	151.000
6	T10	3750	3.750	39	146.250
TOTAL LENGTH OR AREA (m/m2)					1306.25
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					805.96
GRAND TOTAL (Kg)					806 Kg.

- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: IS:R3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 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: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

- LEGEND AND ABBREVIATION
- REINFORCED CONCRETE
 - LEAN CONCRETE
 - CEMENT BLOCK WALL
 - GRAVEL
 - T.O.F. TOP OF FOUNDATION
 - T.O.W. TOP OF WALL
 - T.O.C. TOP OF CONCRETE
 - T.O.PIT TOP OF PIT
 - B.O.P. BOTTOM OF PIPE
 - R.G.L. ROUGH GRADING LEVEL
 - T.O.R. TOP OF ROAD
 - SUB GRADE
 - SLOPE
 - EXISTING CONCRETE AREA

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
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SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR DIESEL GENERATOR TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 CUTTING DISPOSAL FORMWORK & REINFORCEMENT PLAN-SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	5 OF 101	D03	053-073-9184	F	4	S	708209	5	D03

REV. APPR.

DESCRIPTION

BY DATE BY DATE

CHECKED

REV. APPR.

اسم و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.

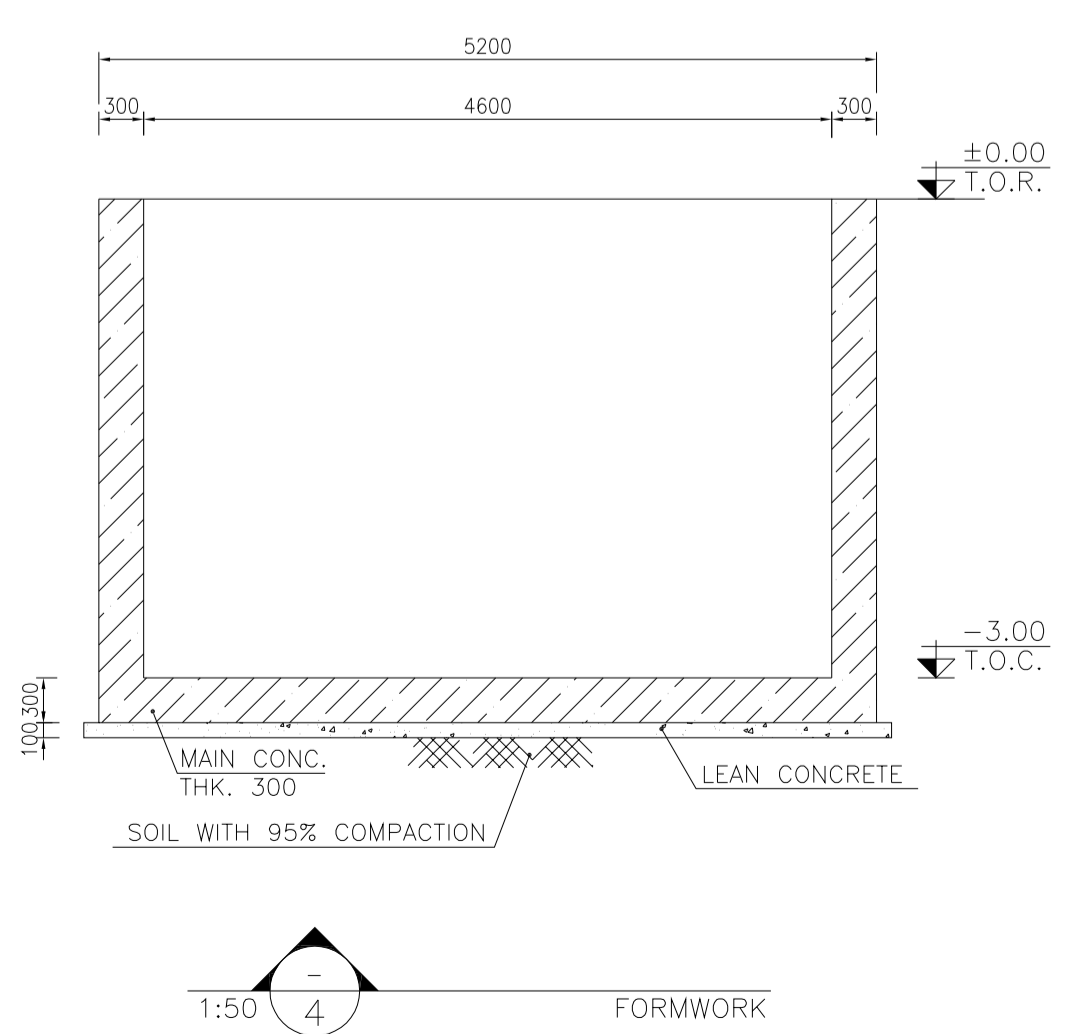
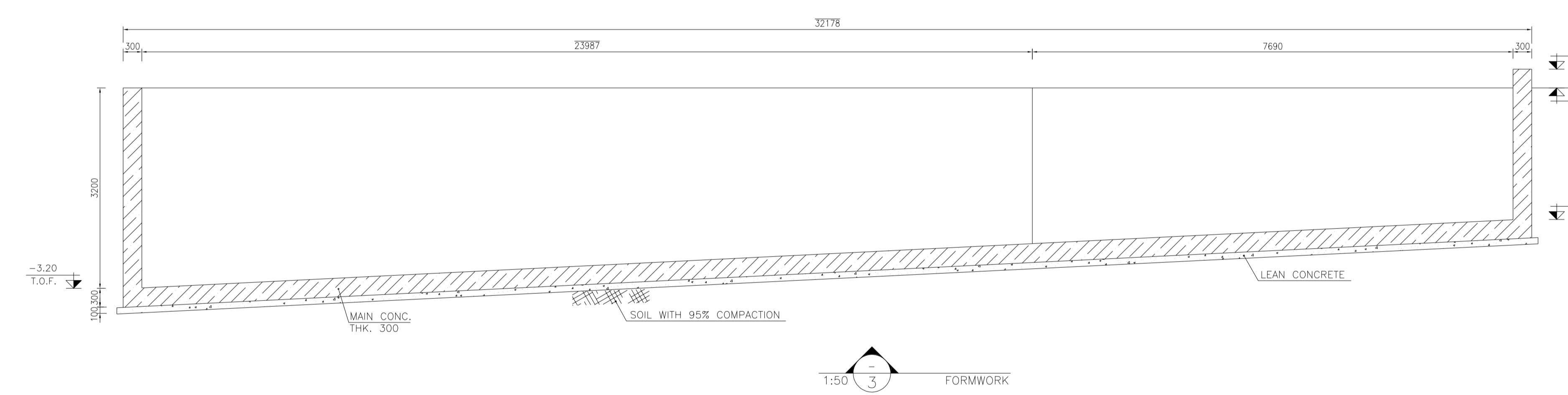
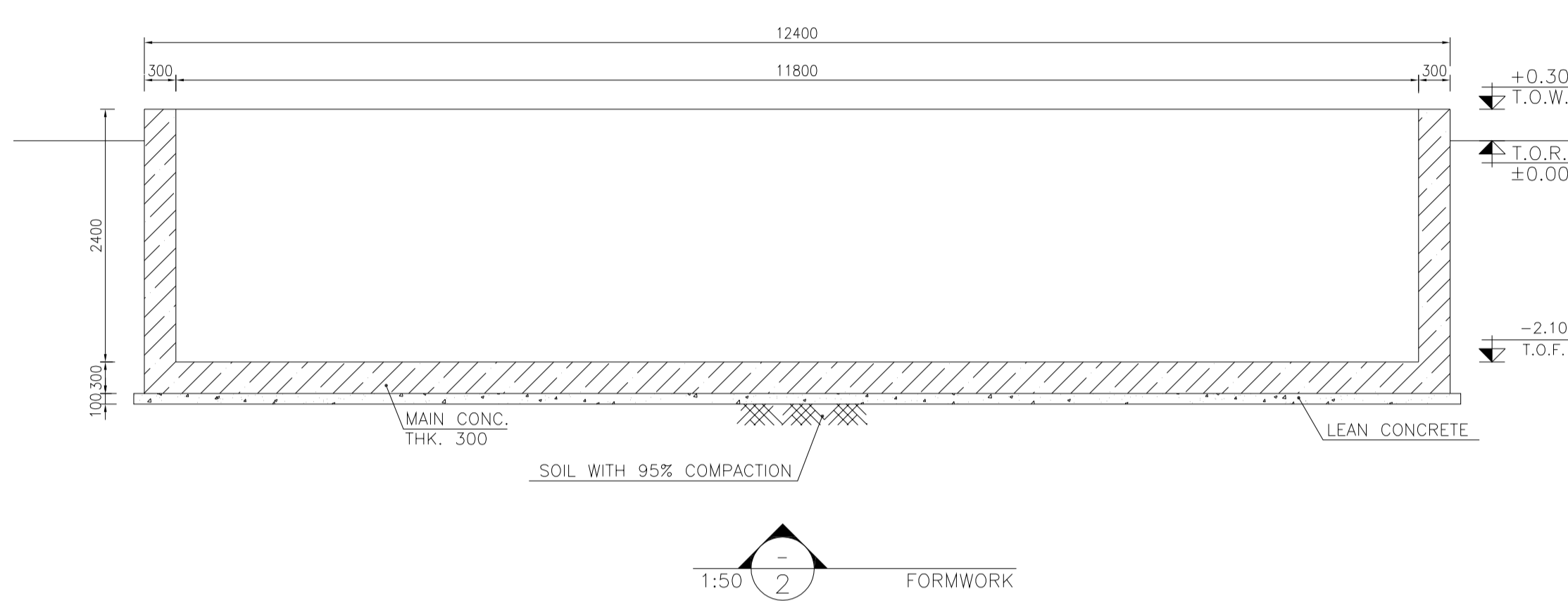
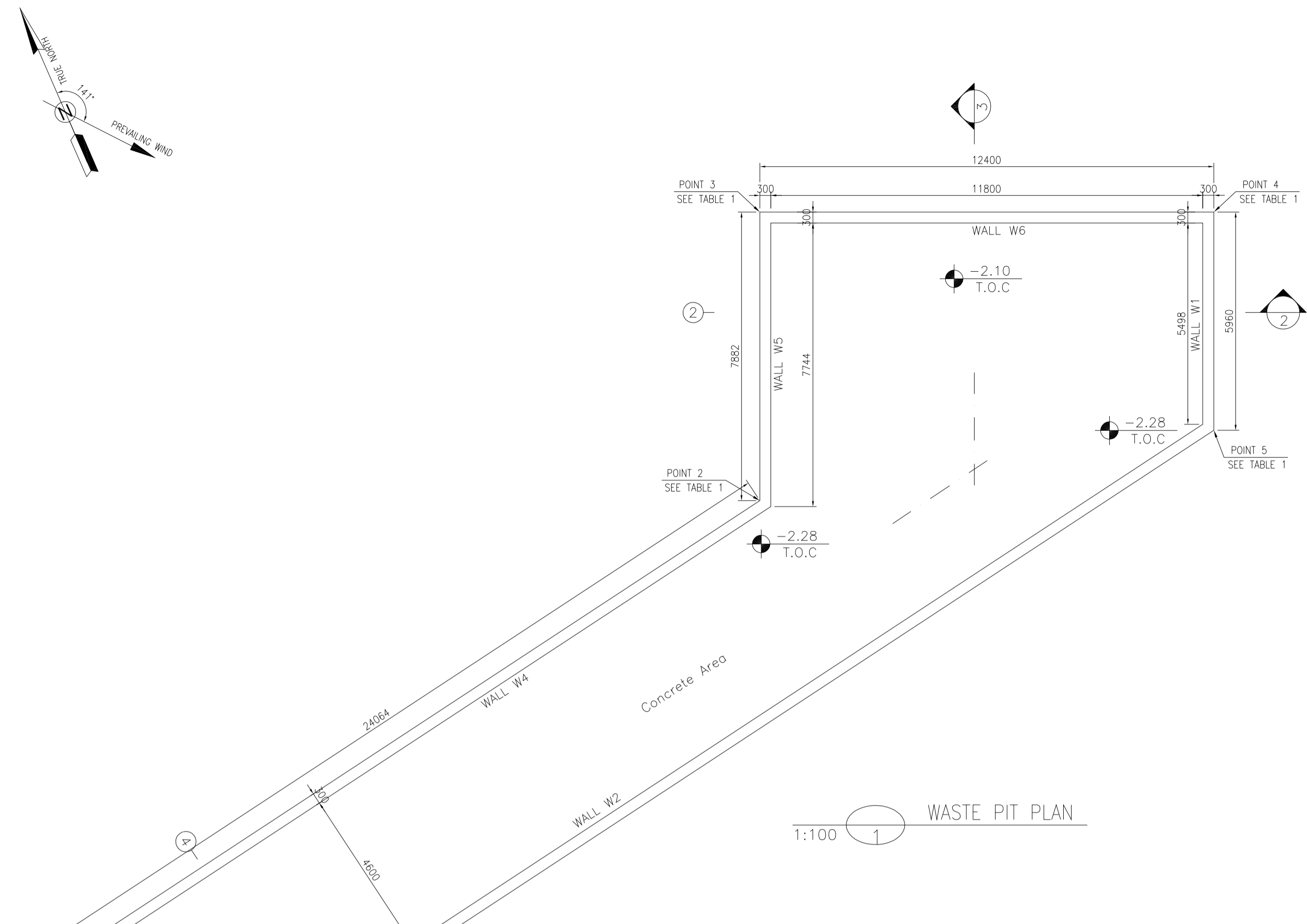
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:



**TABLE 1
(CORNERS COORDINATES)**

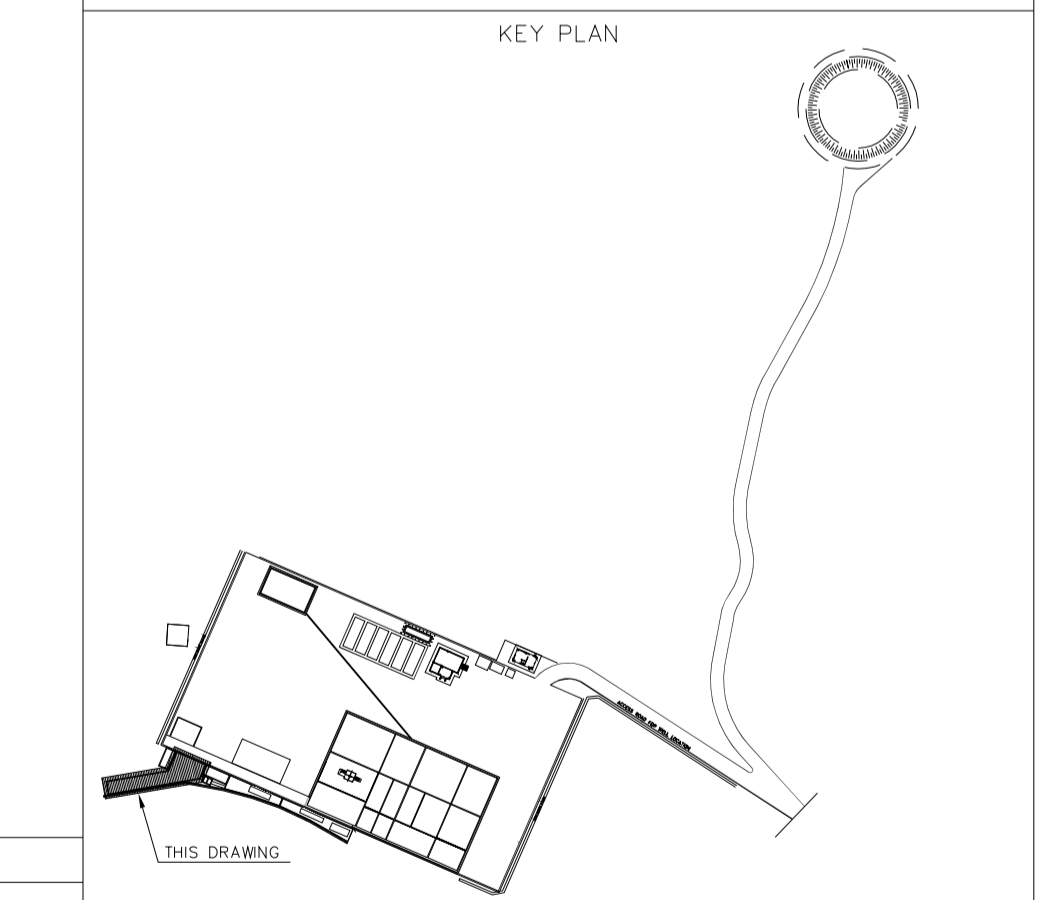
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POINT 1	E=437740.247	N=3295001.658
POINT 2	E=437763.979	N=3295005.730
POINT 3	E=437767.129	N=3295012.956
POINT 4	E=437778.495	N=3295008.000
POINT 5	E=437776.113	N=3295002.537
POINT 6	E=437741.126	N=3294996.533

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LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
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REFERENCE DRAWING	DRG. No.
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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: **HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES**

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WASTE PIT PLAN-SECTION

SCALE: A1

DRAWING NO.: BK-BK14-PEDCO-110-CV-DW-0001

SHEET NO.: 6 OF 101

REV.: D03

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 6

REVISION: D03

REV. APPR.

REV.	DESCRIPTION	BY	DATE	BY	DATE
***	*****	***	*****	***	*****

DATE: _____ SCALE: _____ DRAWING BY: _____ CHECKED BY: _____ PROJECT ENG: _____

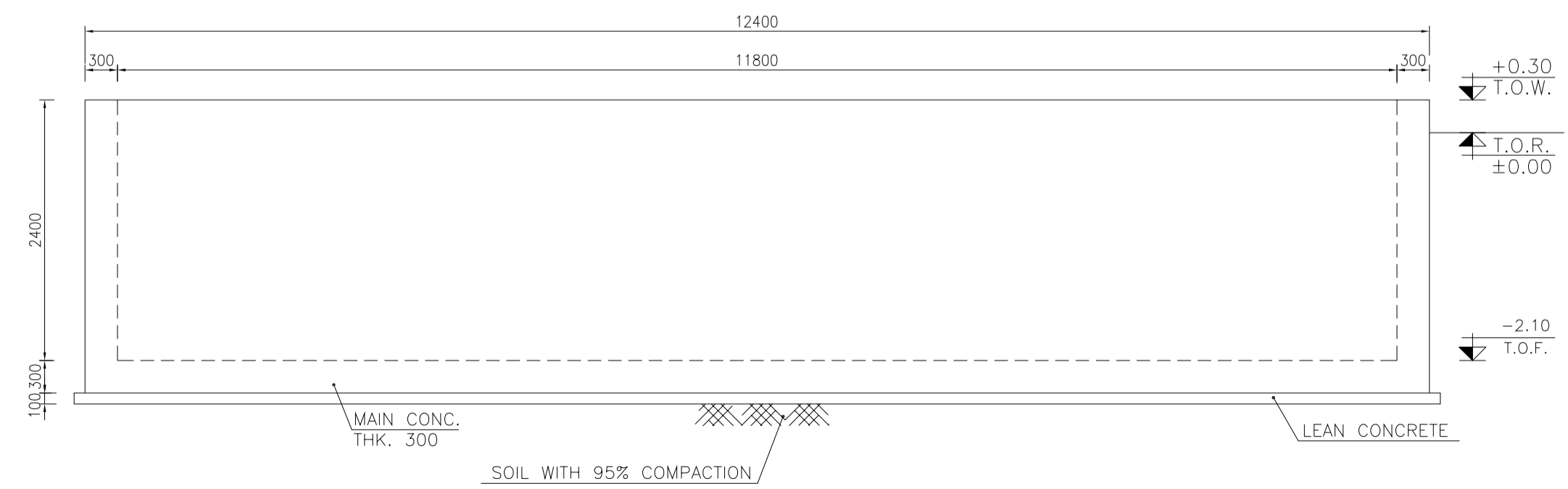
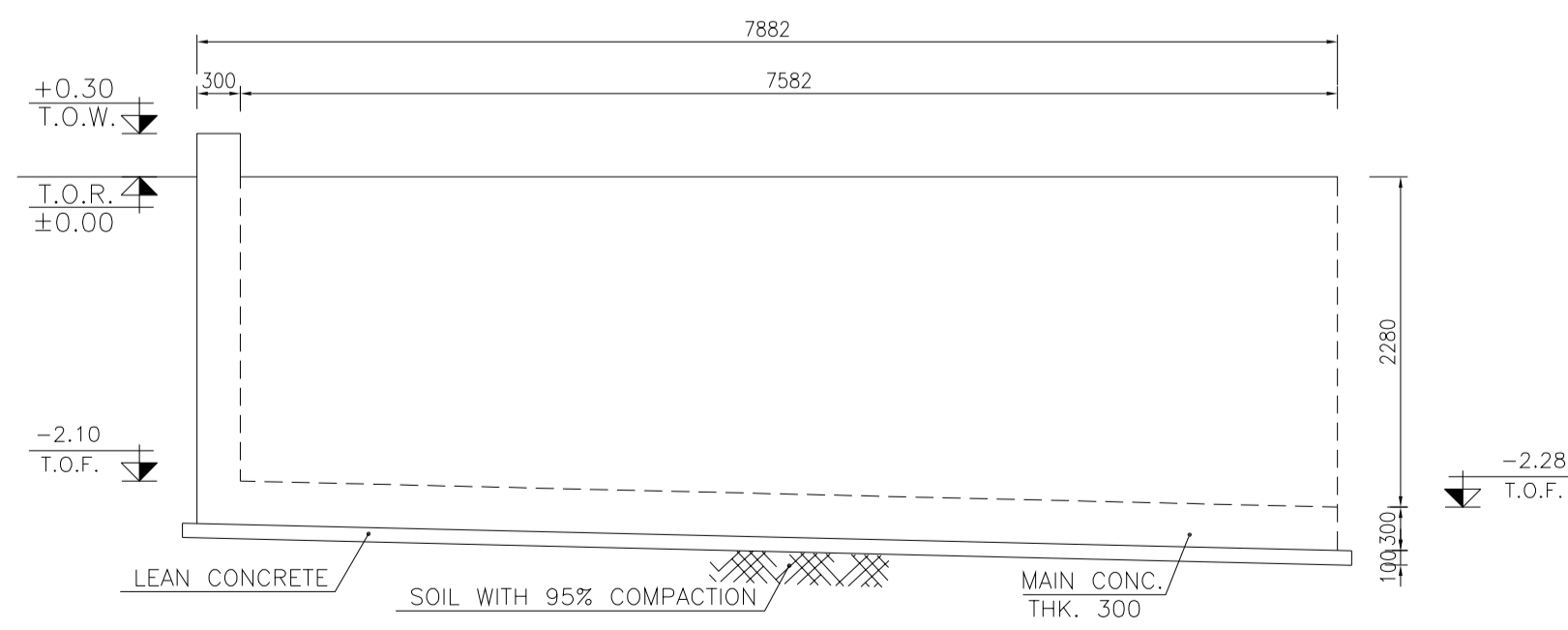
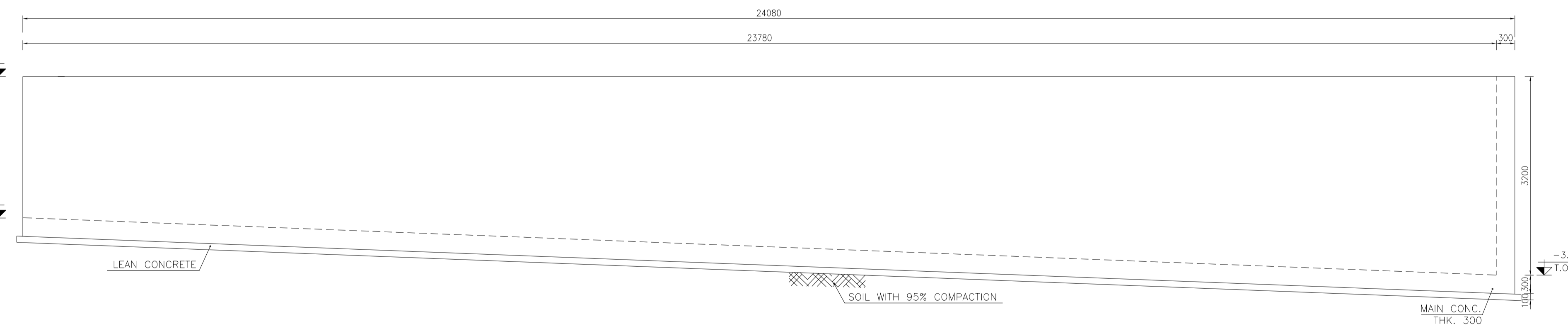
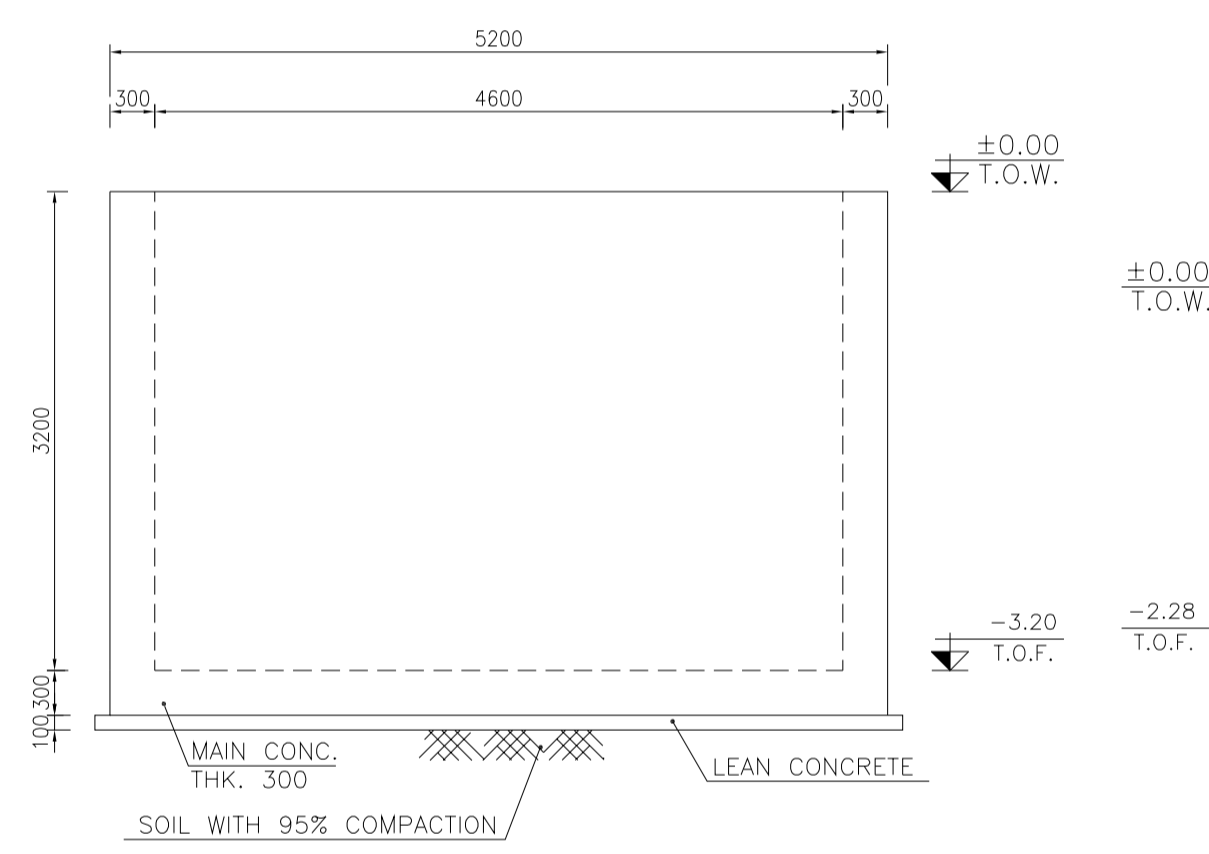
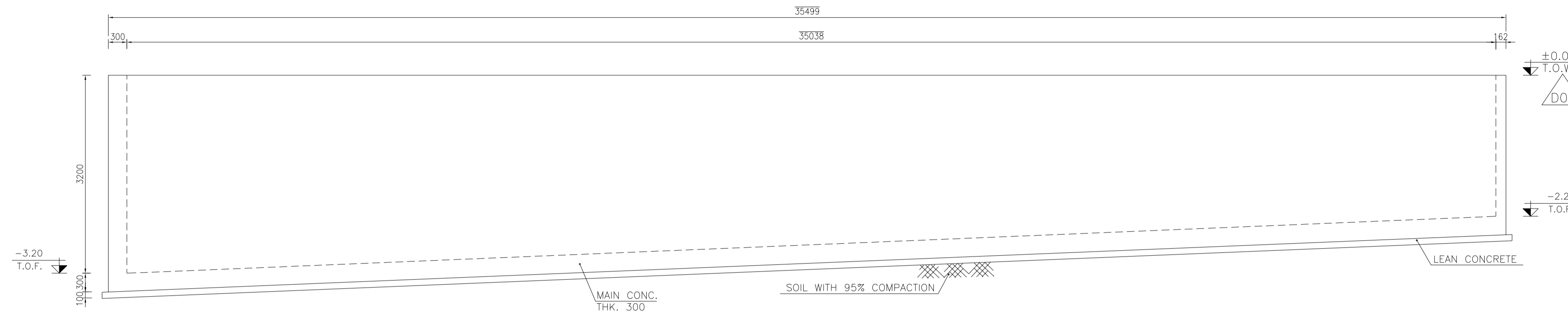
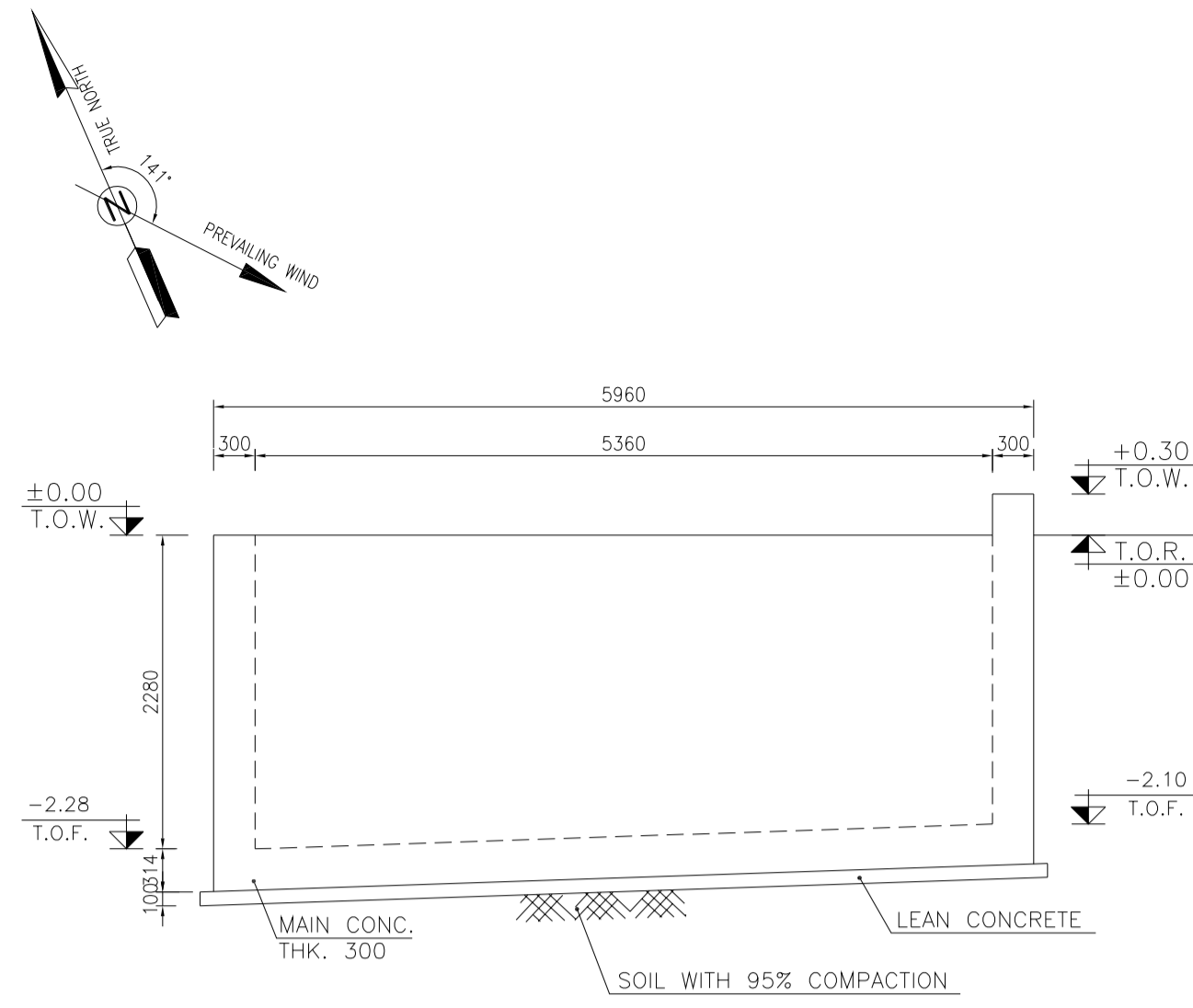
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: _____ DATE: _____



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

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NOTES

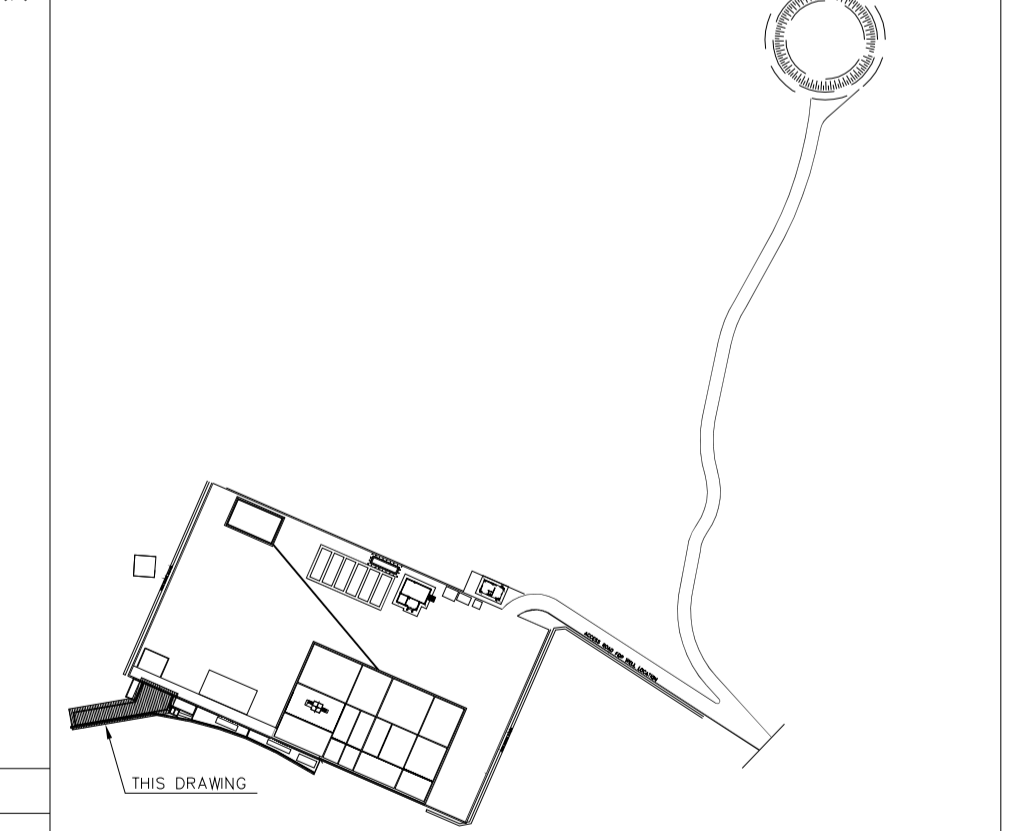
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LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
T.O.R	TOP OF ROAD		

REFERENCE DRAWING	DRG. No.
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GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
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SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
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FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WALL FORMWORK PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	7 OF 101	D03	053-073-9184	F	4	S	708209	7	D03

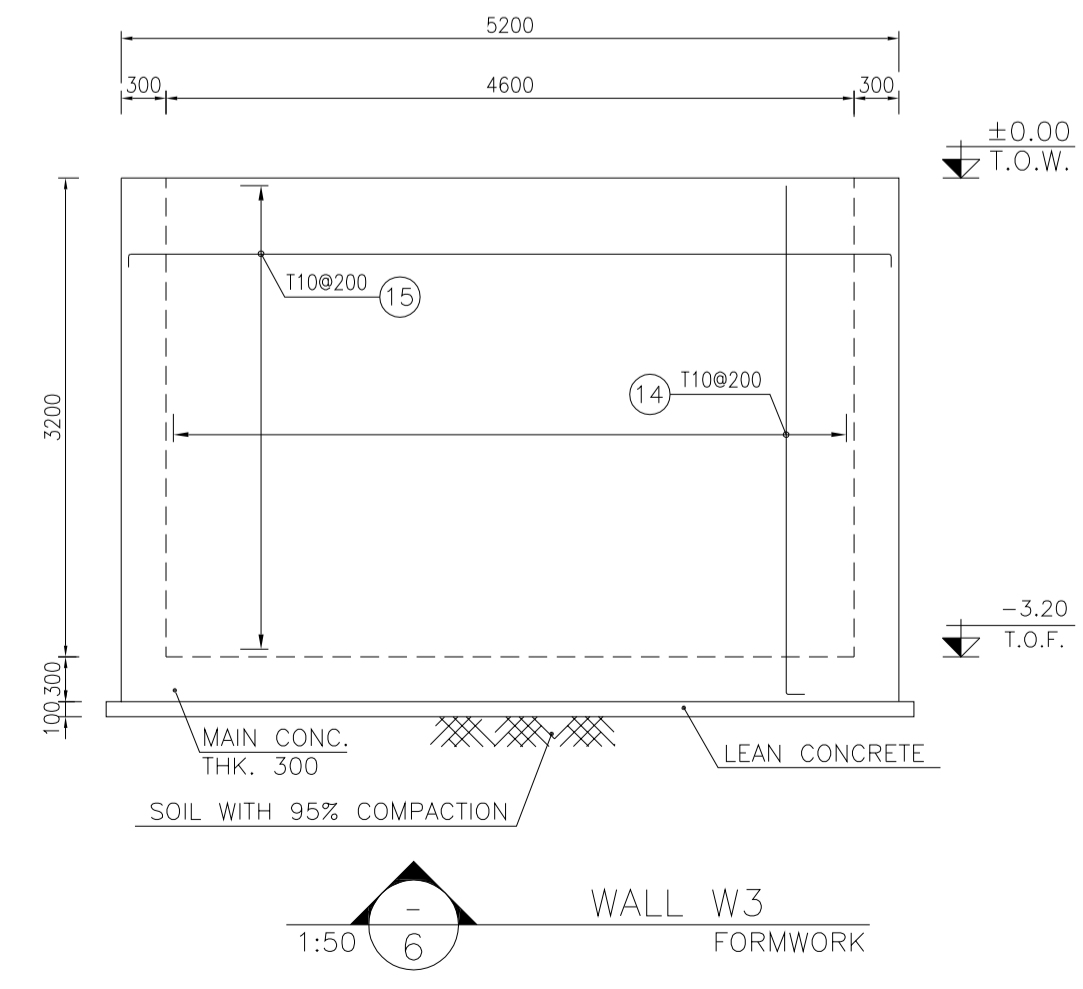
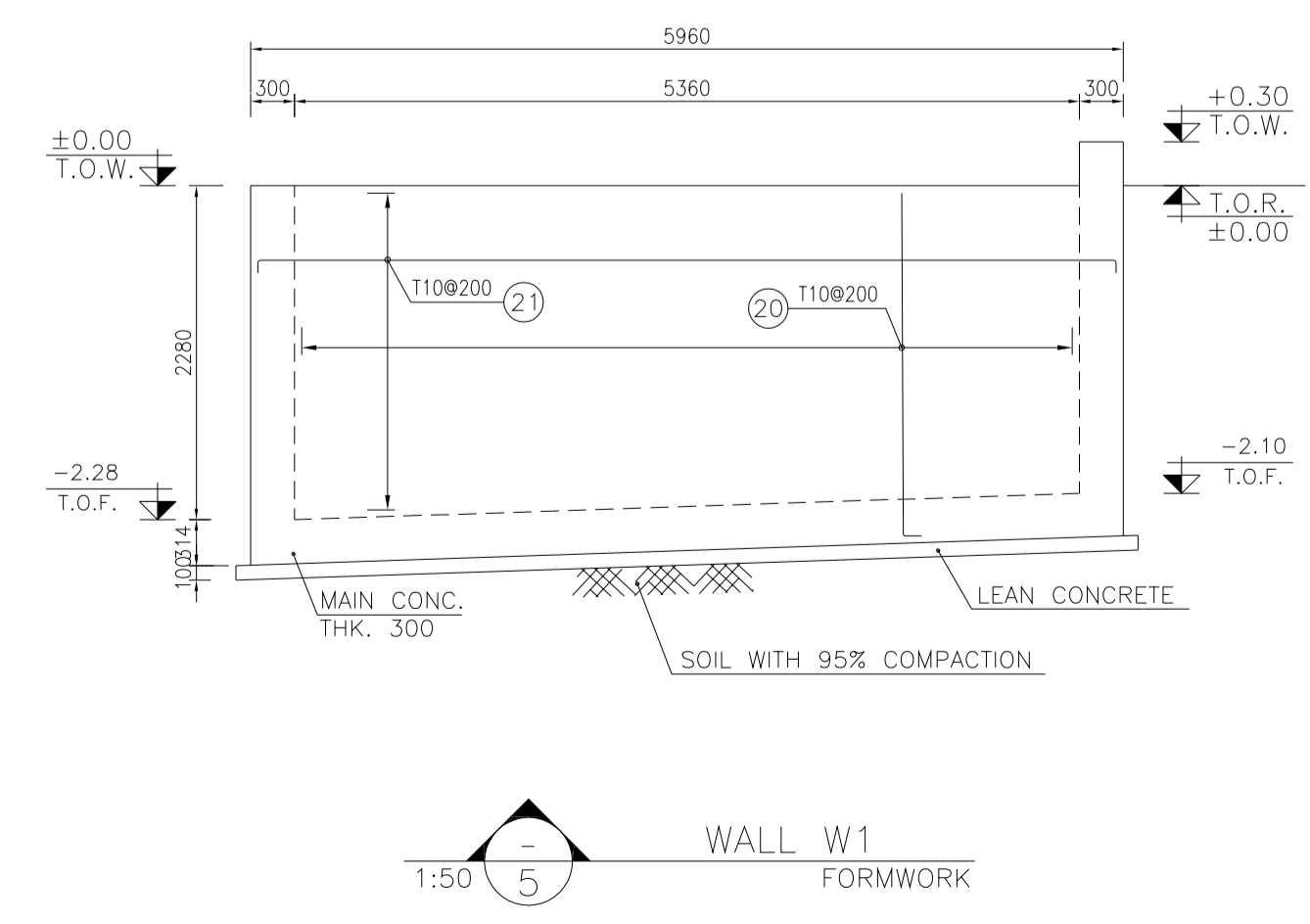
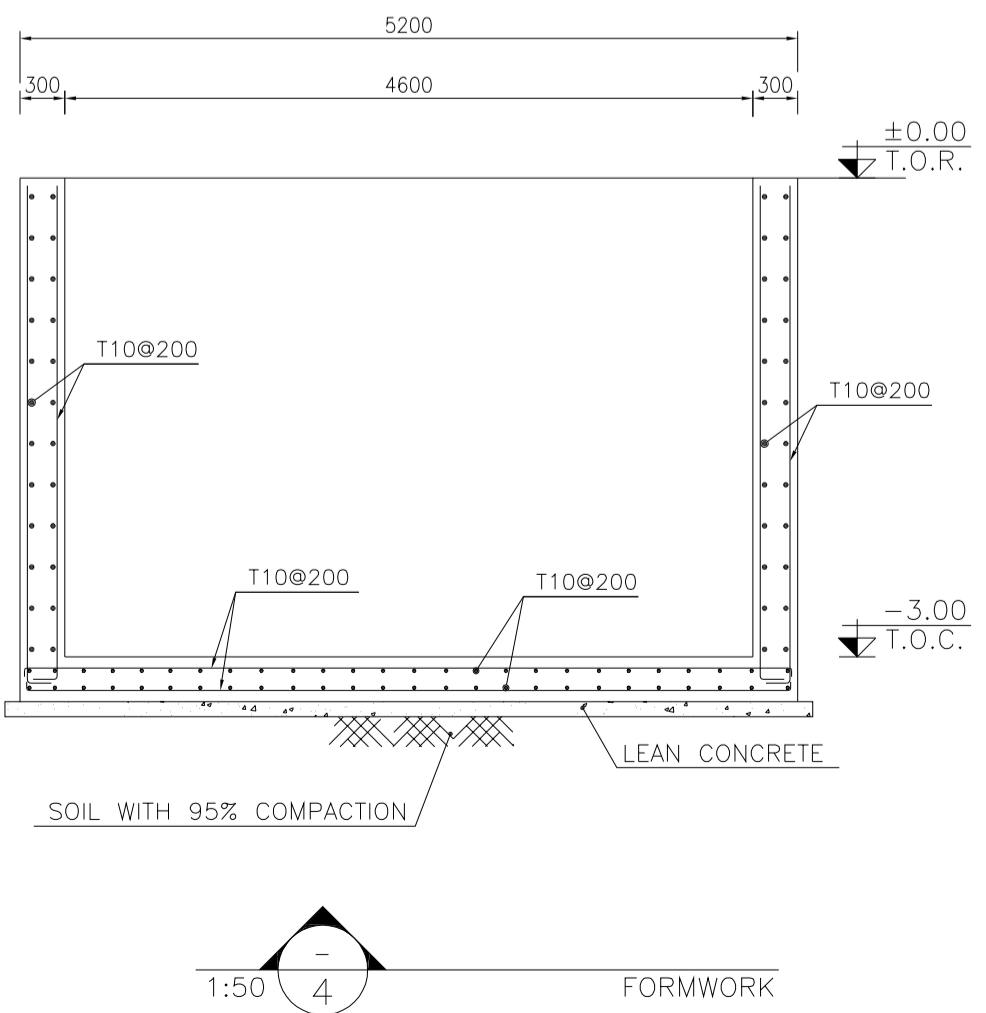
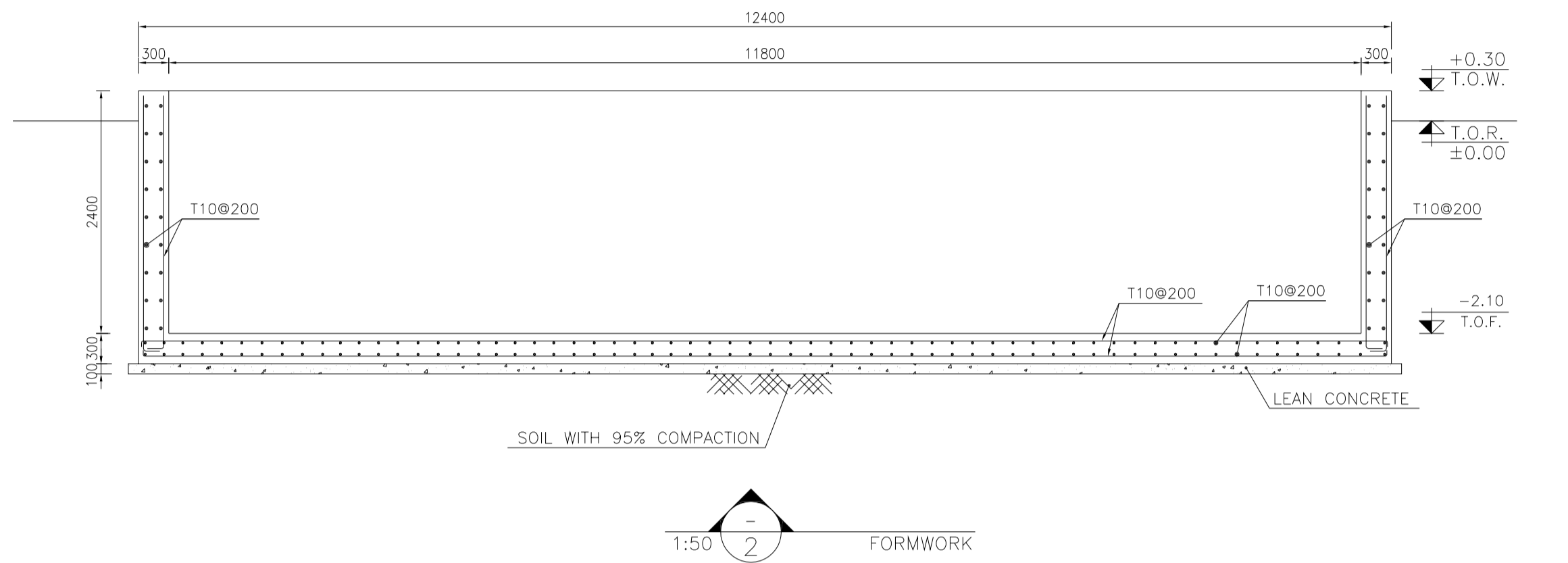
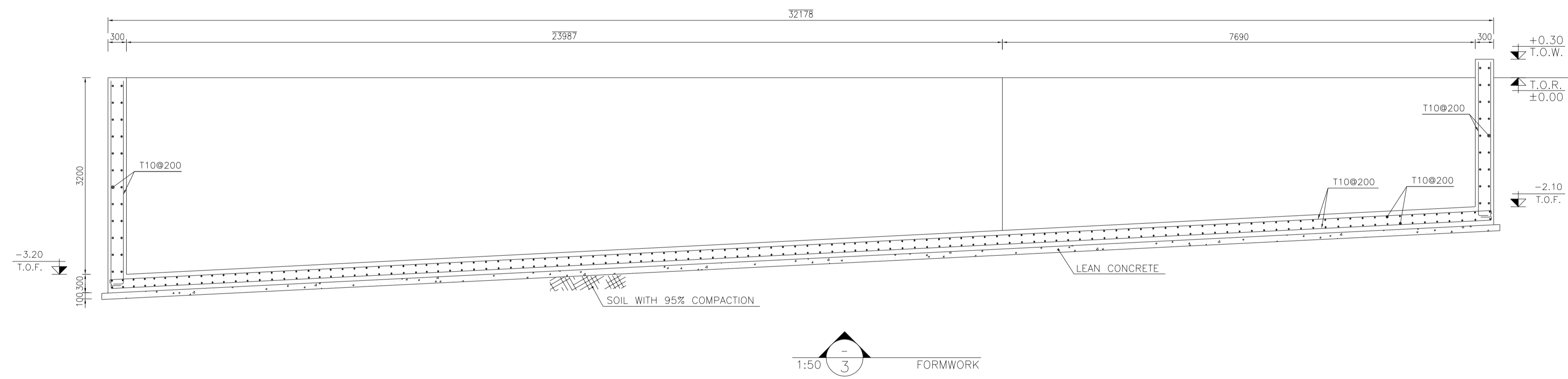
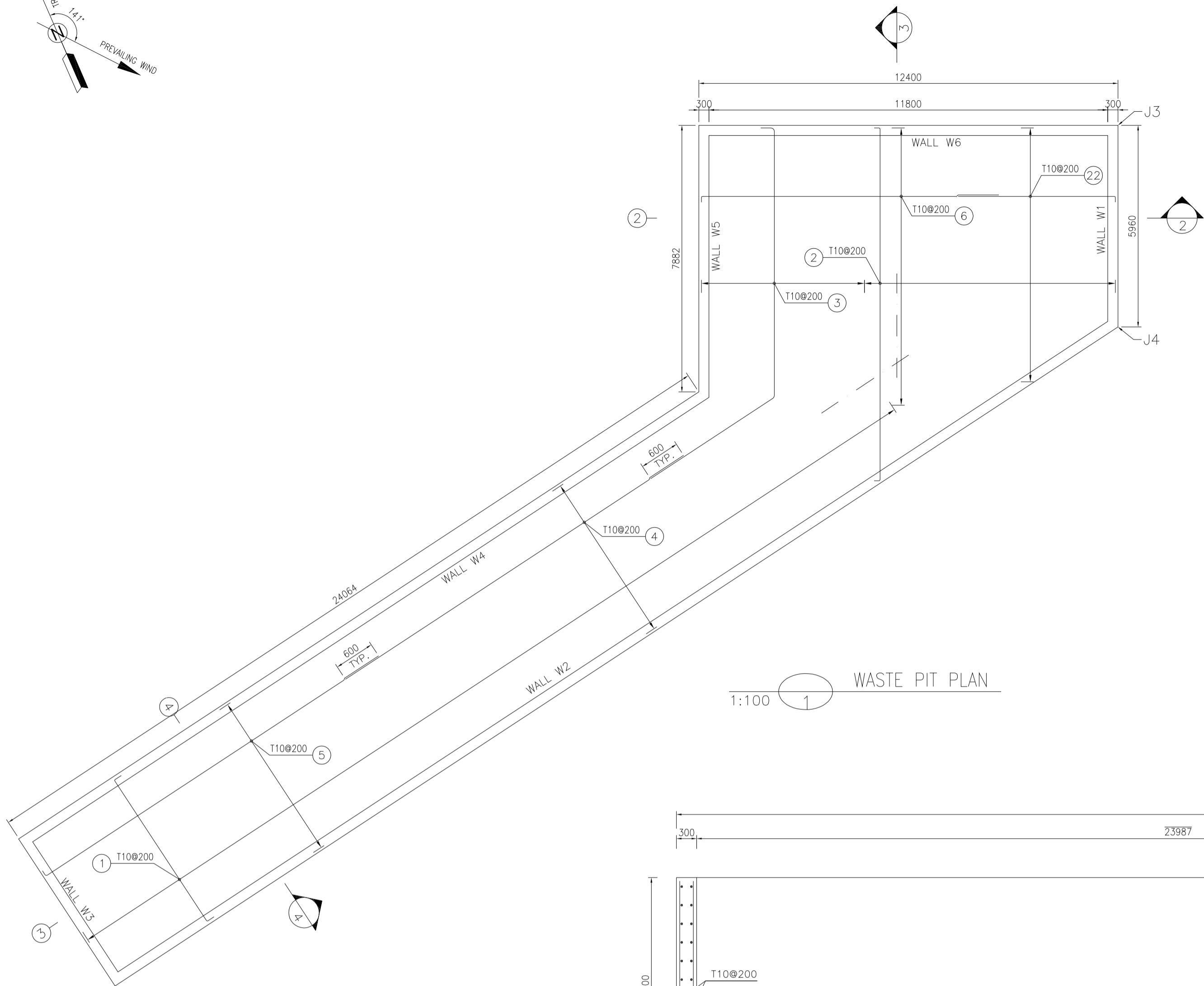
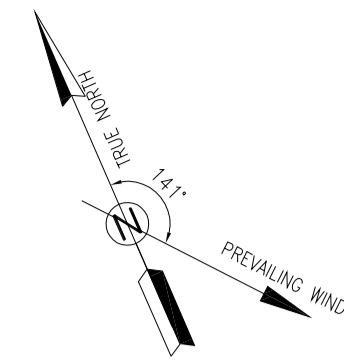
APPROVED FOR CONSTRUCTION

DATE: _____

BY: _____

DATE: _____

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED



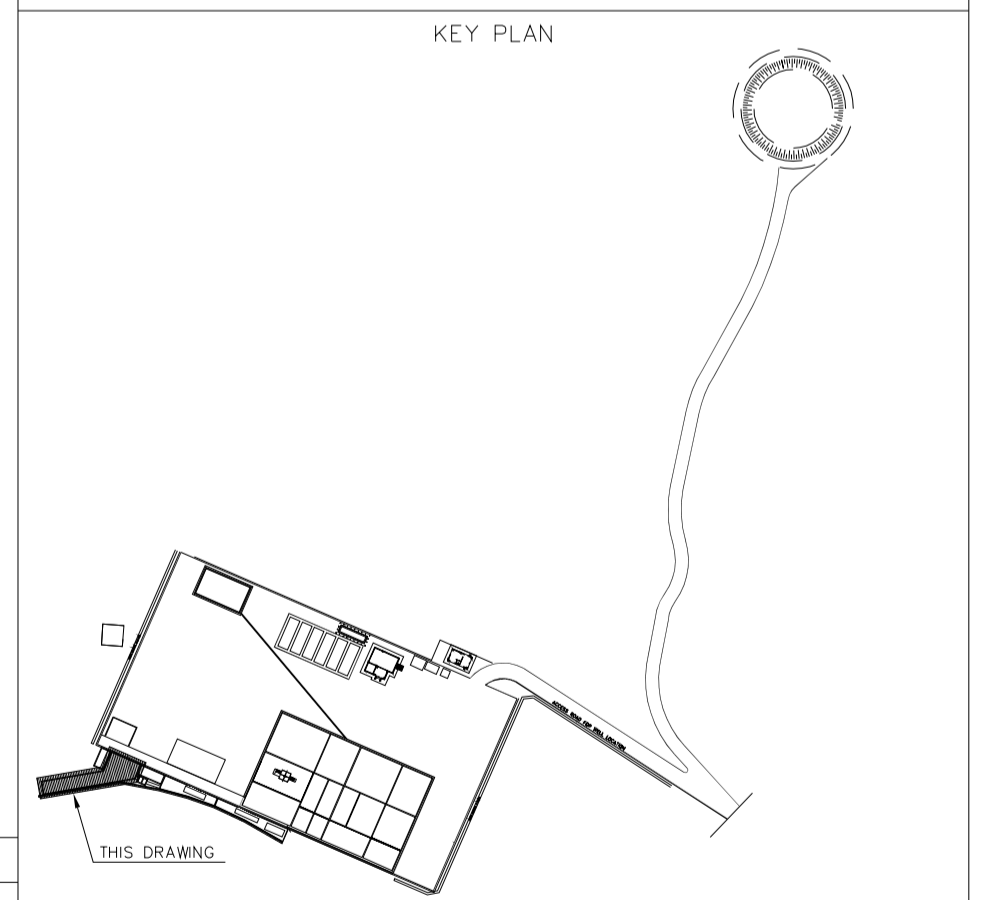
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	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
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	T.O.PIT		TOP OF PIT
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	R.G.L.		ROUGH GRADING LEVEL
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REFERENCE DRAWING

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PROJECT NO.: 971020

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EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 REINFORCEMENT PLAN

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	8 OF 101	D03	053-073-9184	F	4	S	708209	8	D03

املا و کلبه نسخ این نقشه و حق اقتباس منطبق به شرکت ملی مناطق نفت خیز جنوب میباشند.

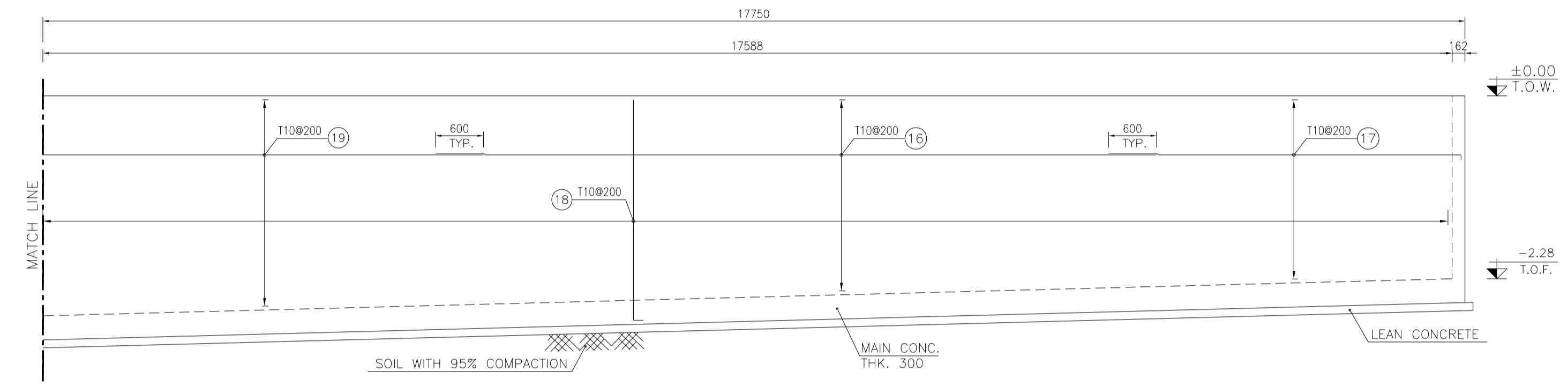
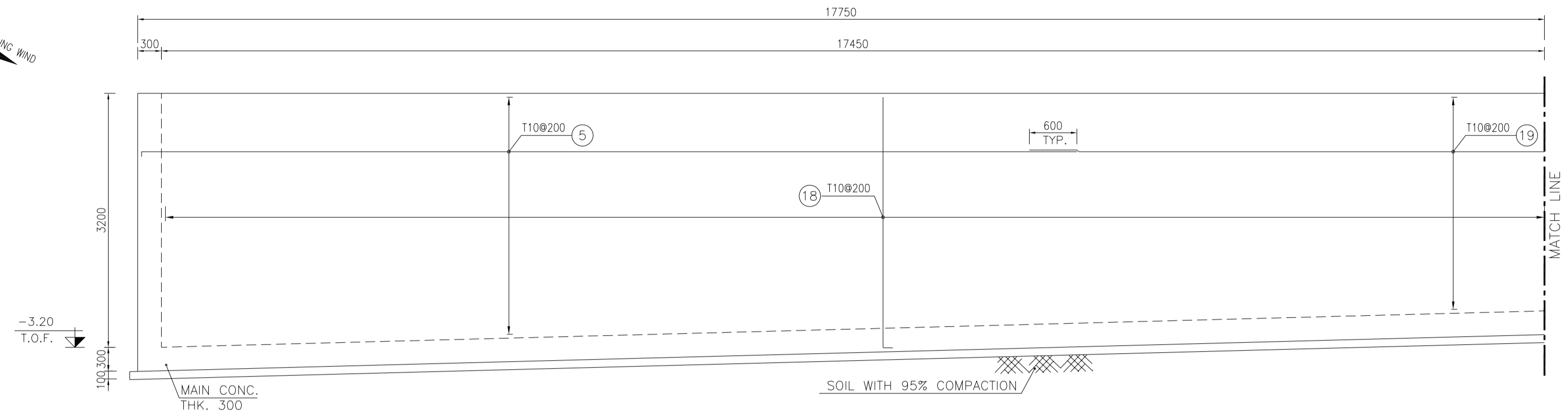
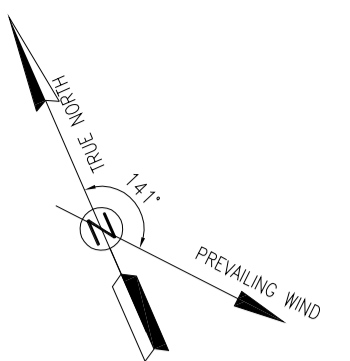
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

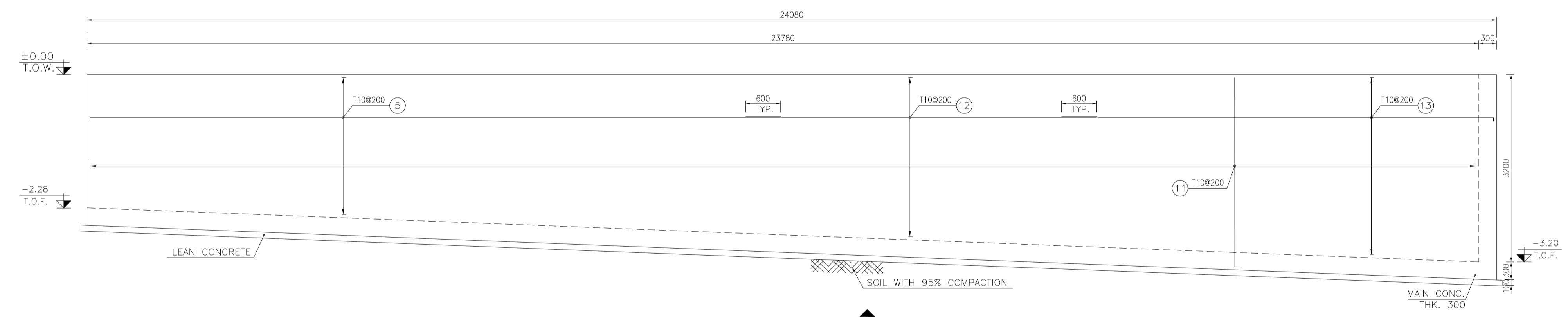
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

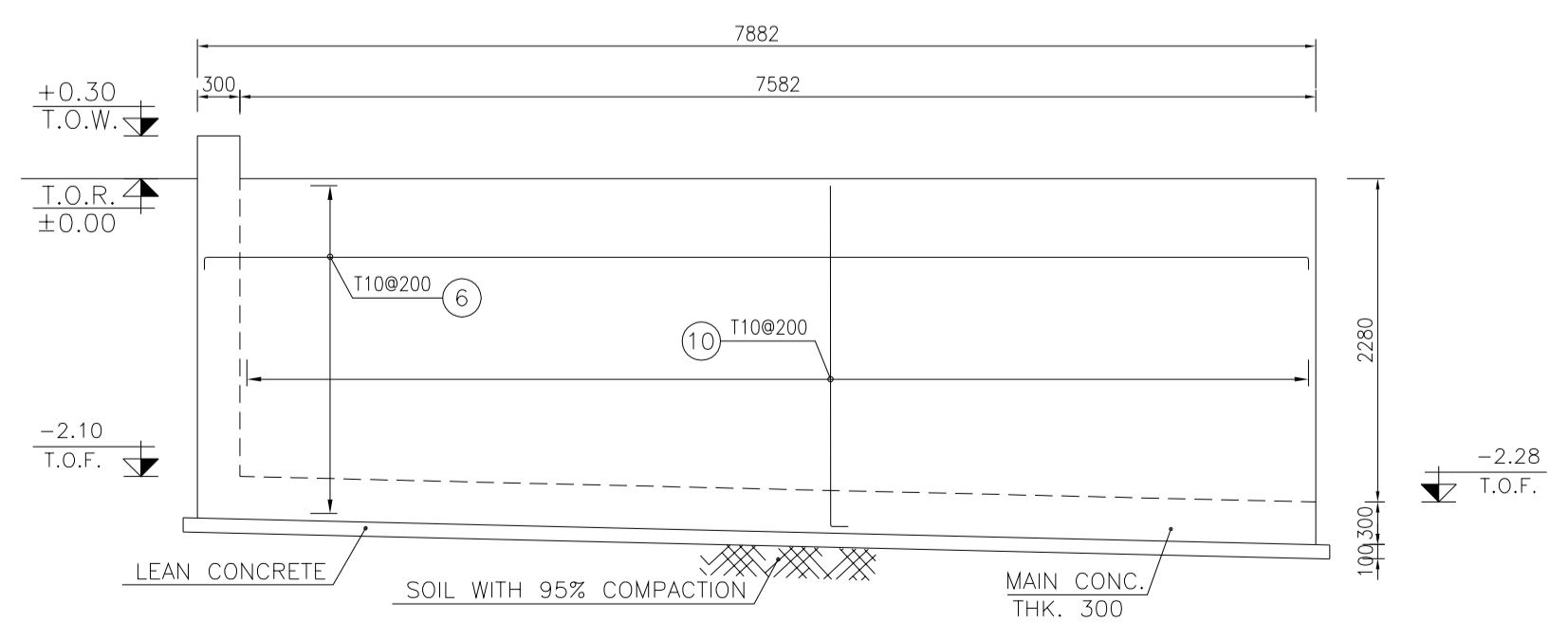
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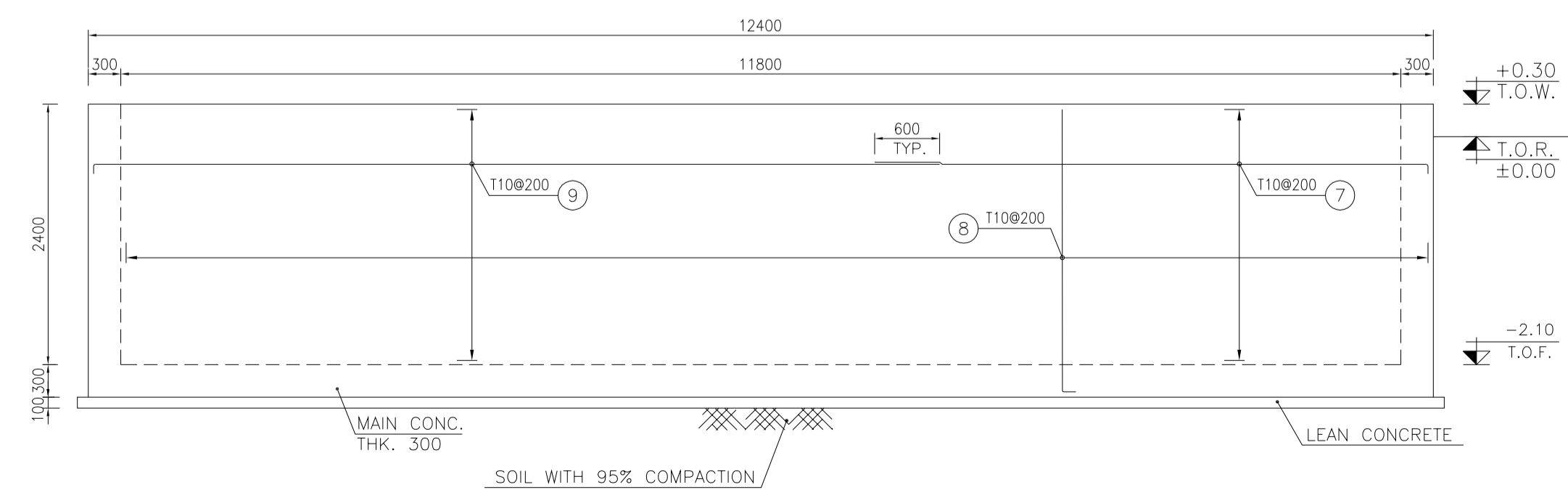
1:50 WALL W2 FORMWORK



1:50 WALL W4 FORMWORK



1:50 WALL W5 FORMWORK



1:50 WALL W6 FORMWORK

D03

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 5000 200	5.400	290	1566.000
2	T10	200 5700-10400 200	10.650	78	830.700
3	T10	150 11850	12.000	54	648.000
4	T10	12000	12.000	54	648.000
5	T10	200 2200-12000	VAR	112	1344.000
6	T10	200 8800	9.000	86	774.00
7	T10	200 5100	5.300	26	137.800
8	T10	200 2600	2.800	124	347.200
9	T10	200 7800	8.000	26	208.000
10	T10	200 VAR	VAR	54	145.800
11	T10	200 VAR	VAR	240	828.000
12	T10	VAR	VAR	30	180.000
13	T10	200 7400	7.600	34	258.400
14	T10	200 3400	3.600	48	172.800
15	T10	200 5100 200	5.500	34	187.000
16	T10	VAR	VAR	26	234.000
17	T10	200 4400	4.600	26	119.600
18	T10	200 VAR	VAR	352	1249.600
19	T10	VAR	VAR	30	360.000
20	T10	200 2200	2.400	56	134.400
21	T10	200 5900 200	6.300	24	151.200
22	T10	200 2260-4650	VAR	78	378.30
TOTAL LENGTH OR AREA (m/m ²)					10901.80
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					6726.42
GRAND TOTAL (kg)					6750 Kg.

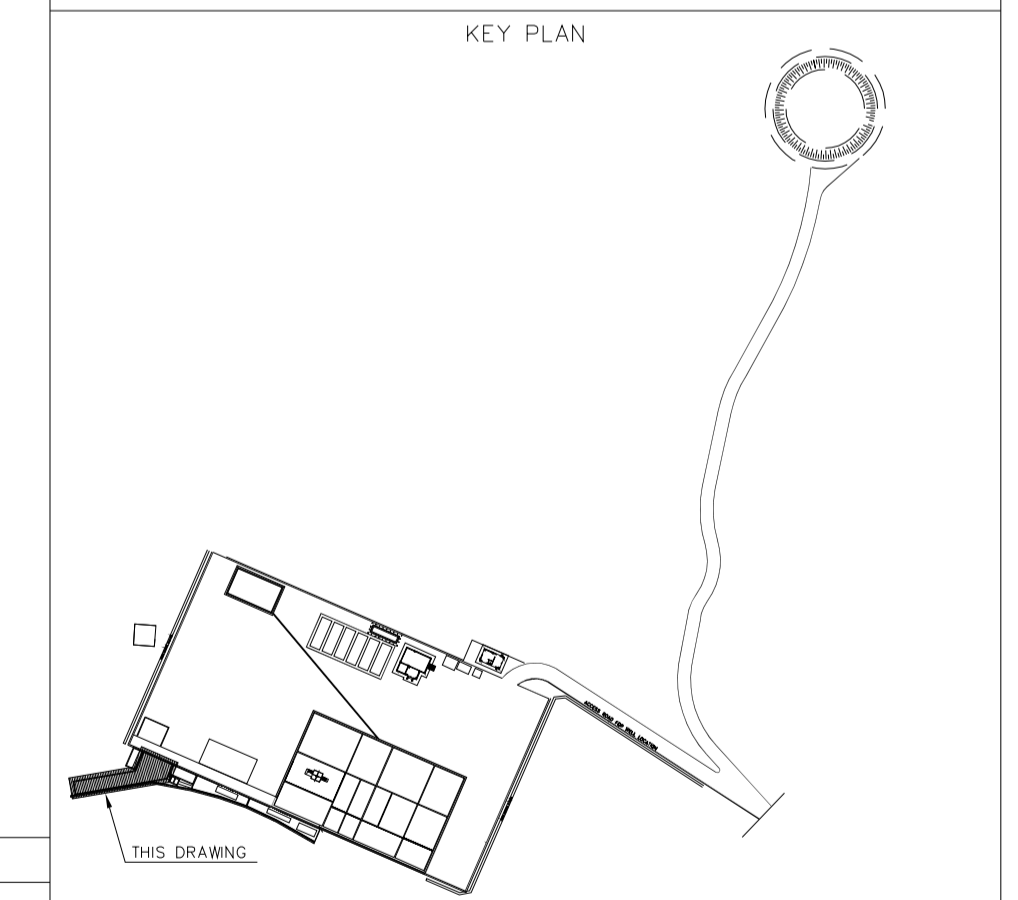
D03

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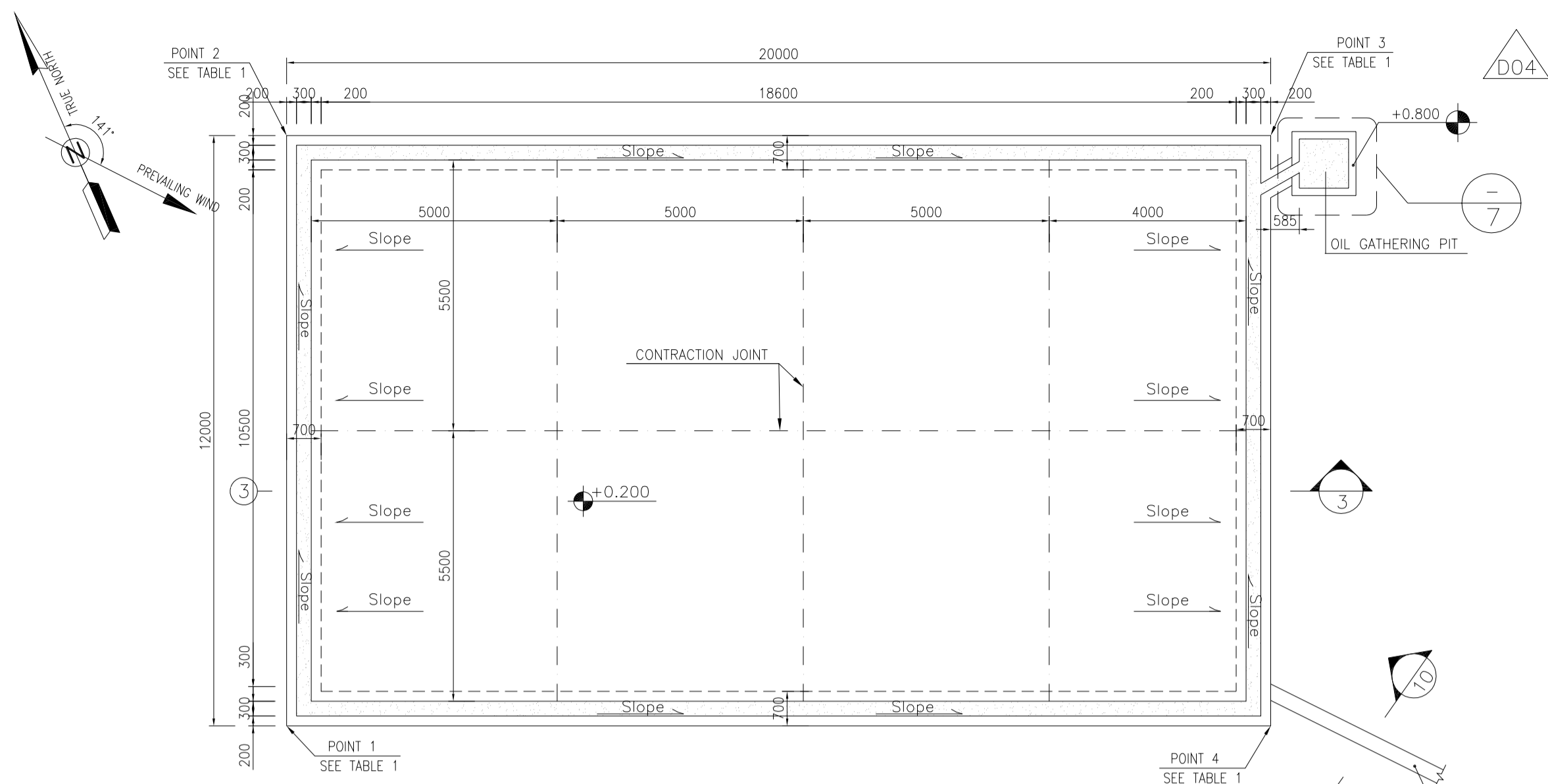
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DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WALL REINFORCEMENT PLAN

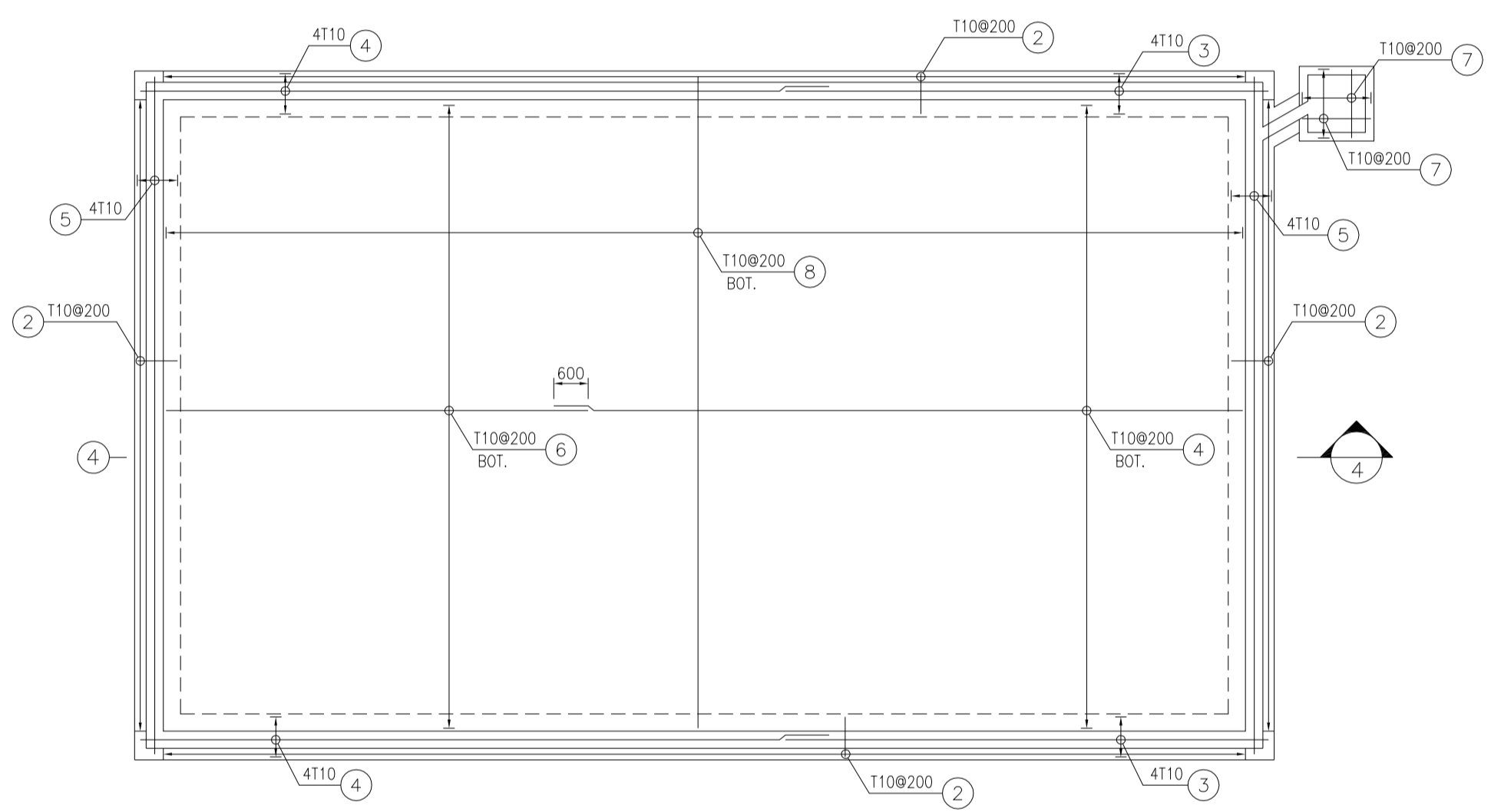
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APPROVED FOR CONSTRUCTION	BY:	DATE:

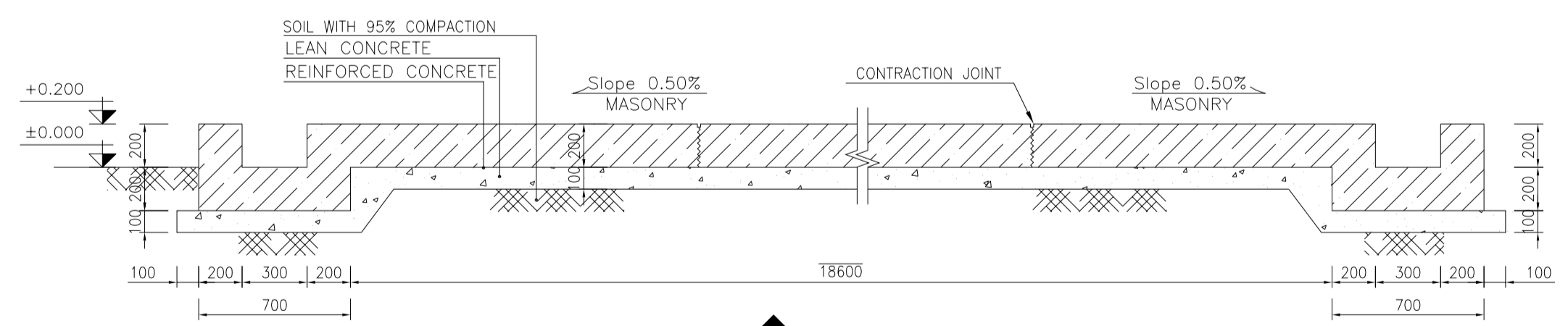
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	9 OF 101	D03	053-073-9184	F	4	S	708209	9	D03



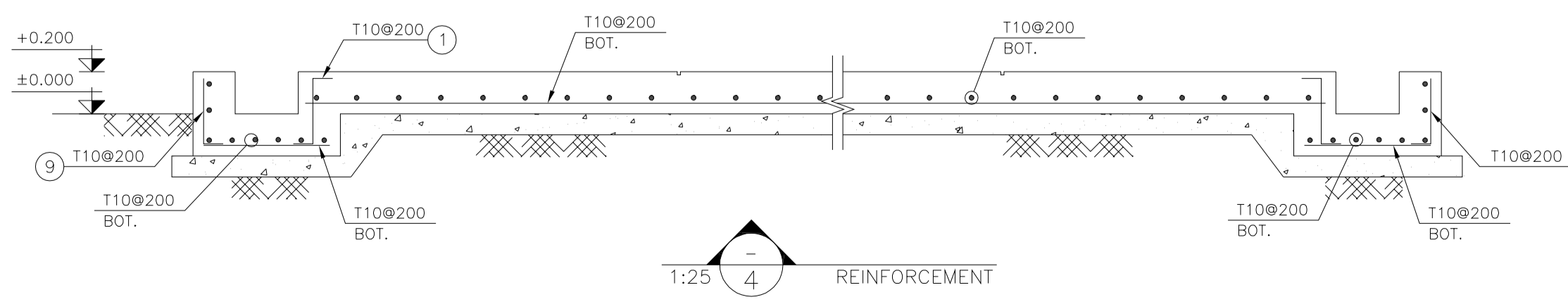
1:100 (1) FUEL TANK AREA FOUNDATION FORMWORK



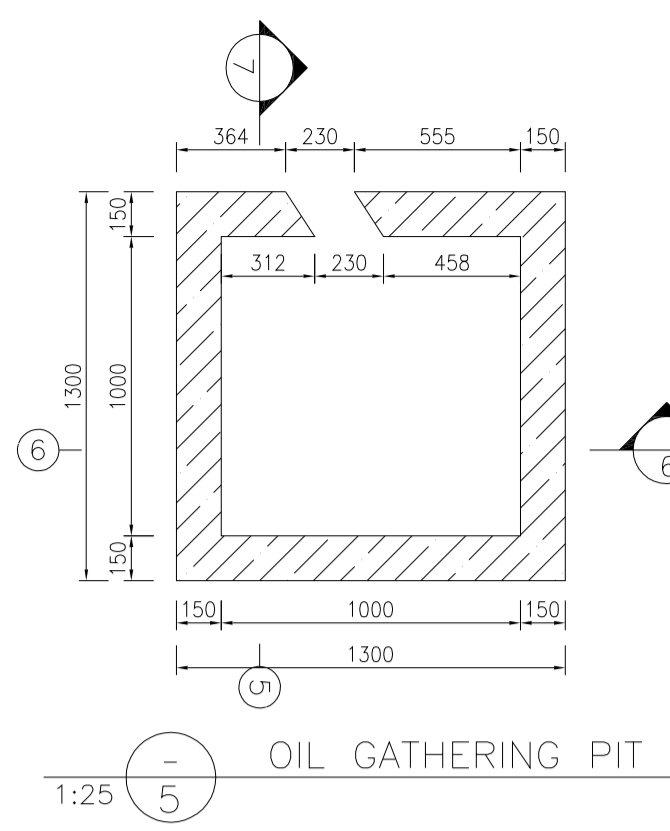
1:100 (2) FUEL TANK AREA FOUNDATION REINFORCEMENT



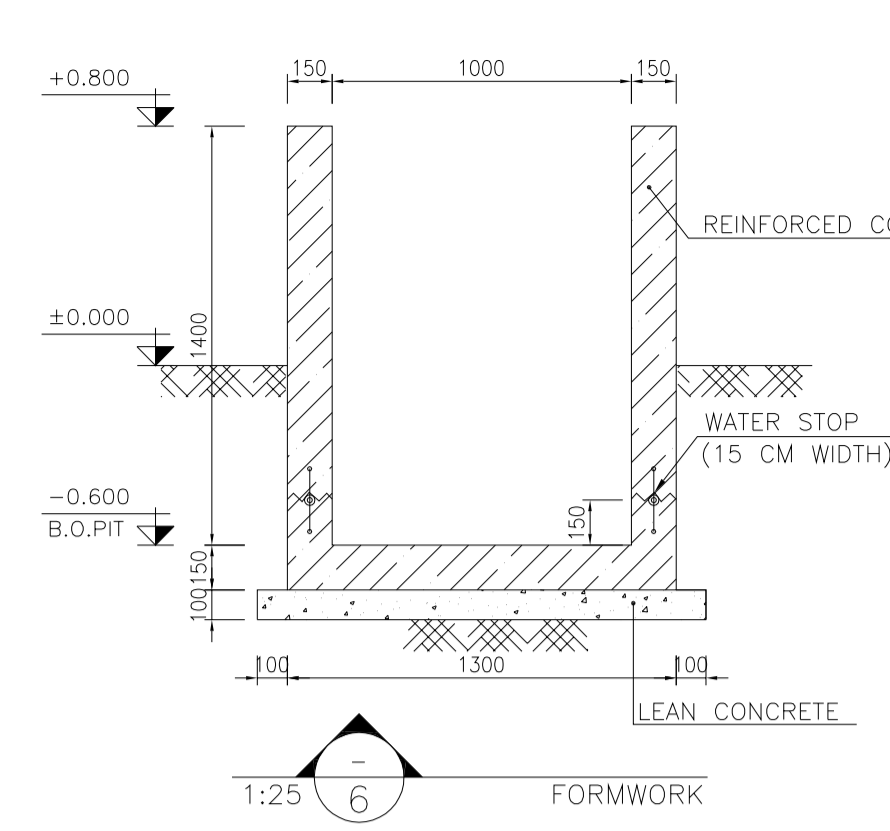
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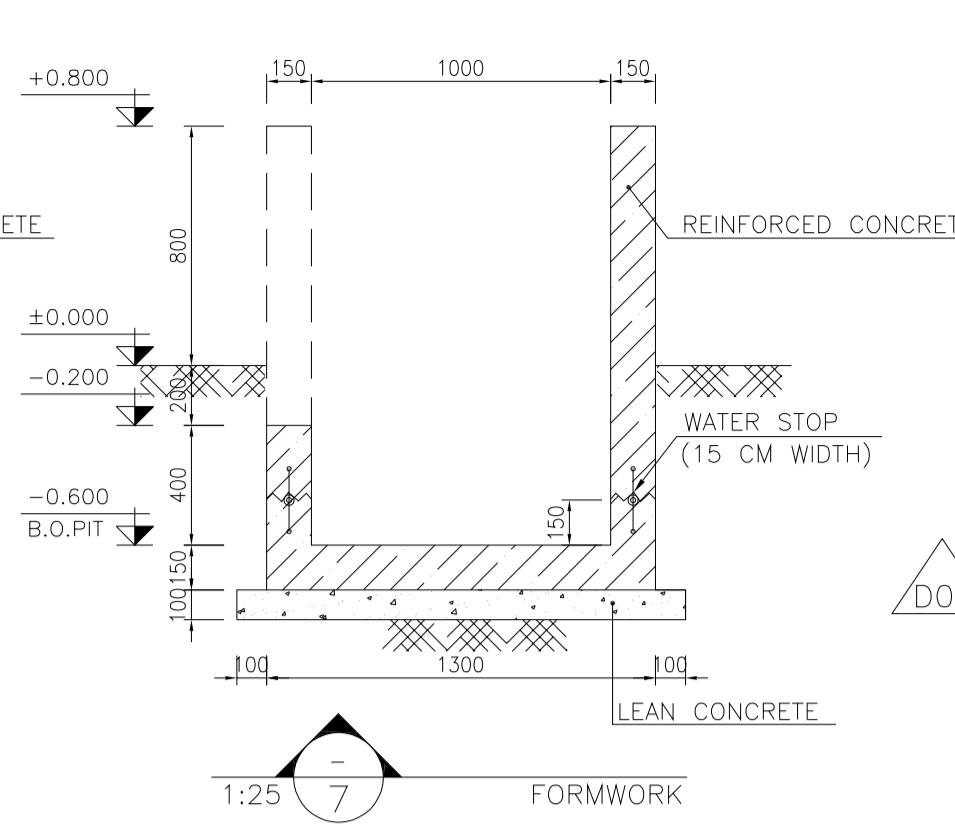
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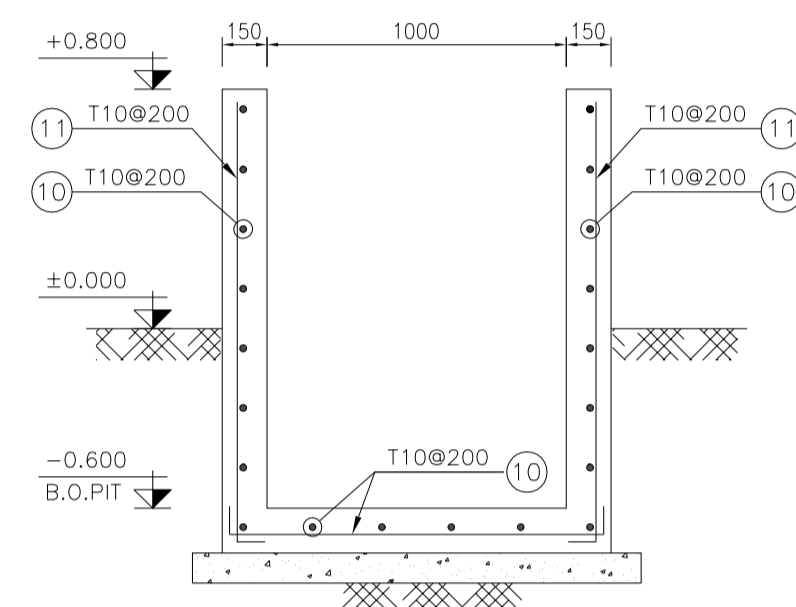
1:25 (5) OIL GATHERING PIT



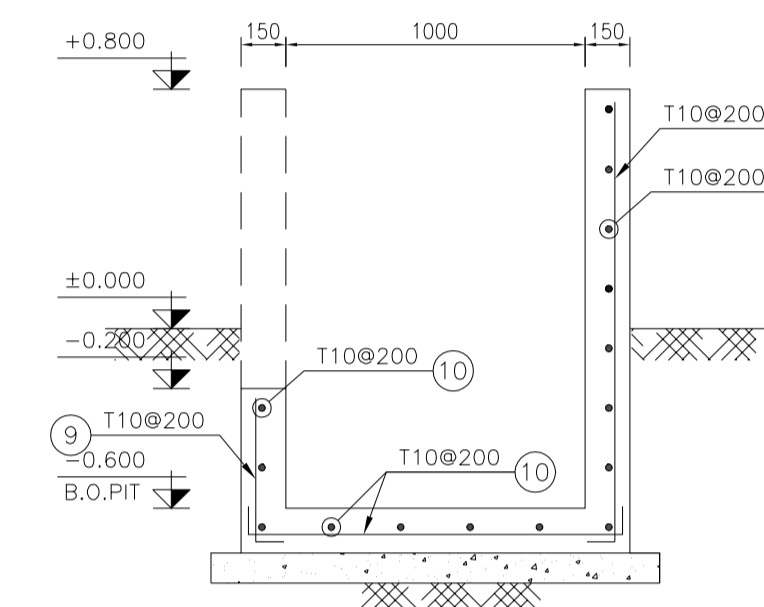
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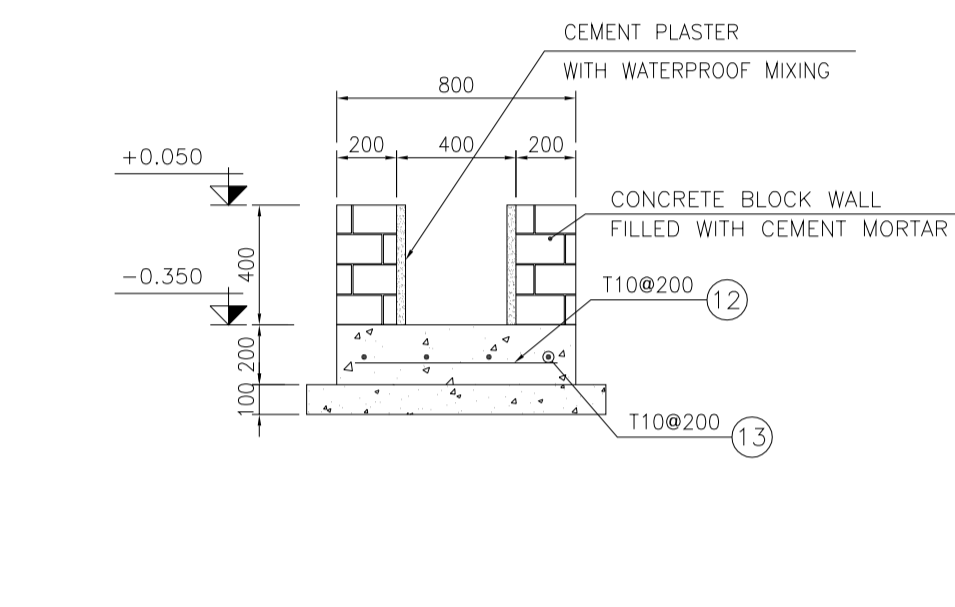
1:25 (7) FORMWORK



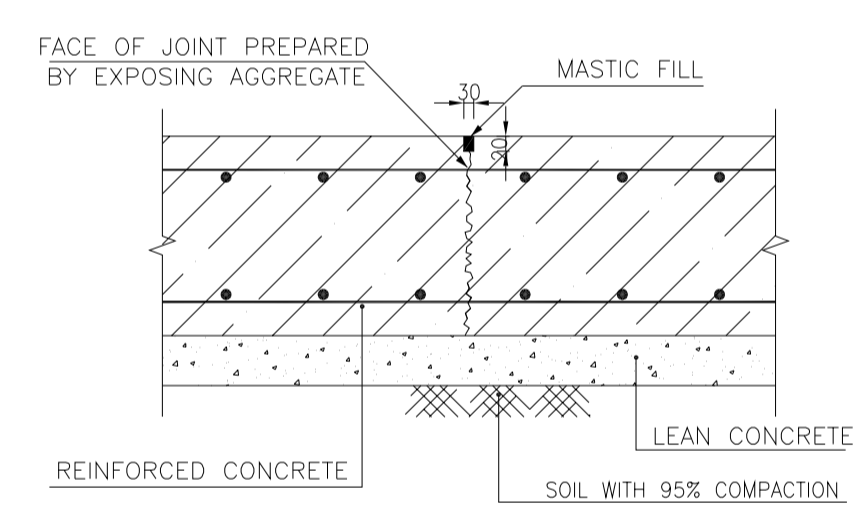
1:25 (8) REINFORCEMENT



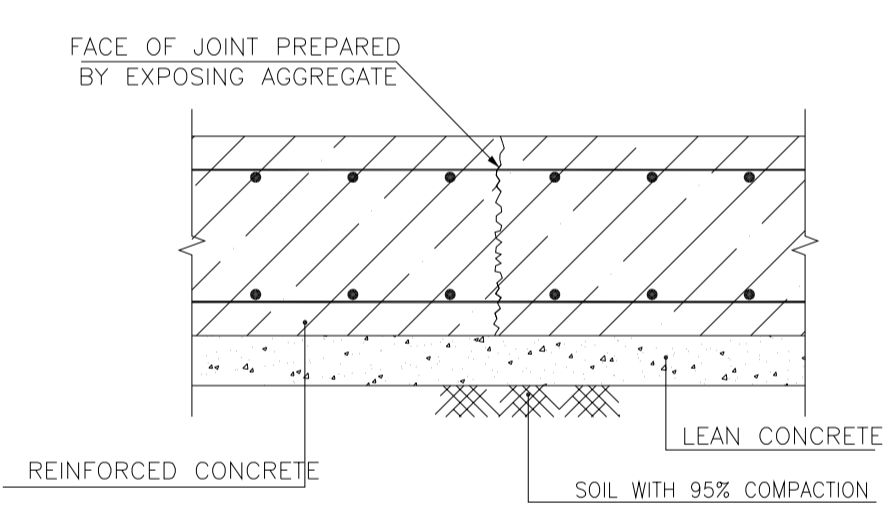
1:25 (9) REINFORCEMENT



1:25 (10) TYPICAL SECTION OF PIPE TRENCH



N.T.S. (11) TYPICAL CONTRACTION JOINT EVERY 4000



N.T.S. (12) TYPICAL CONSTRUCTION JOINT

Pos	Spec.	Shape	L/A	No.	T10
1	T10	1250 x 150	1.550	312	483.600
2	T10	700	0.700	306	214.200
3	T10	8415	8.415	8	67.320
4	T10	12000	12.000	64	768.000
5	T10	11800	11.800	8	94.400
6	T10	7350	7.350	56	411.600
7	T10	1650	1.650	14	23.100
8	T10	9000	9.000	95	855.000
9	T10	150 x 1250	1.400	314	439.600
10	T10	1150	1.15	37	42.550
11	T10	150 x 1400	1.55	34	52.700
12	T10	700	0.70	315	220.5
13	T10	1200	12.00	30	360.0
TOTAL LENGTH OR AREA (m/m ²)					4032.17
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					2487.85
GRAND TOTAL (Kg)					2500 Kg.

TABLE 2
(CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437798.09	N=3295073.04
POINT 2	E=437802.89	N=3295084.04
POINT 3	E=437821.22	N=3295076.05
POINT 4	E=437816.43	N=3295065.05

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME:	BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS				
PROJECT NO.:	971020				
EPC CONTRACTOR:			EPD/EPC CONTRACTOR(GC): 		
DRAWING TITLE:	CIVIL AND STRUCTURAL DRAWINGS-BK14 FUEL TANK FOUNDATION FORMWORK & REINFORCEMENT PLAN-SECTION				
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	10 OF 101	D03	053-073-9184

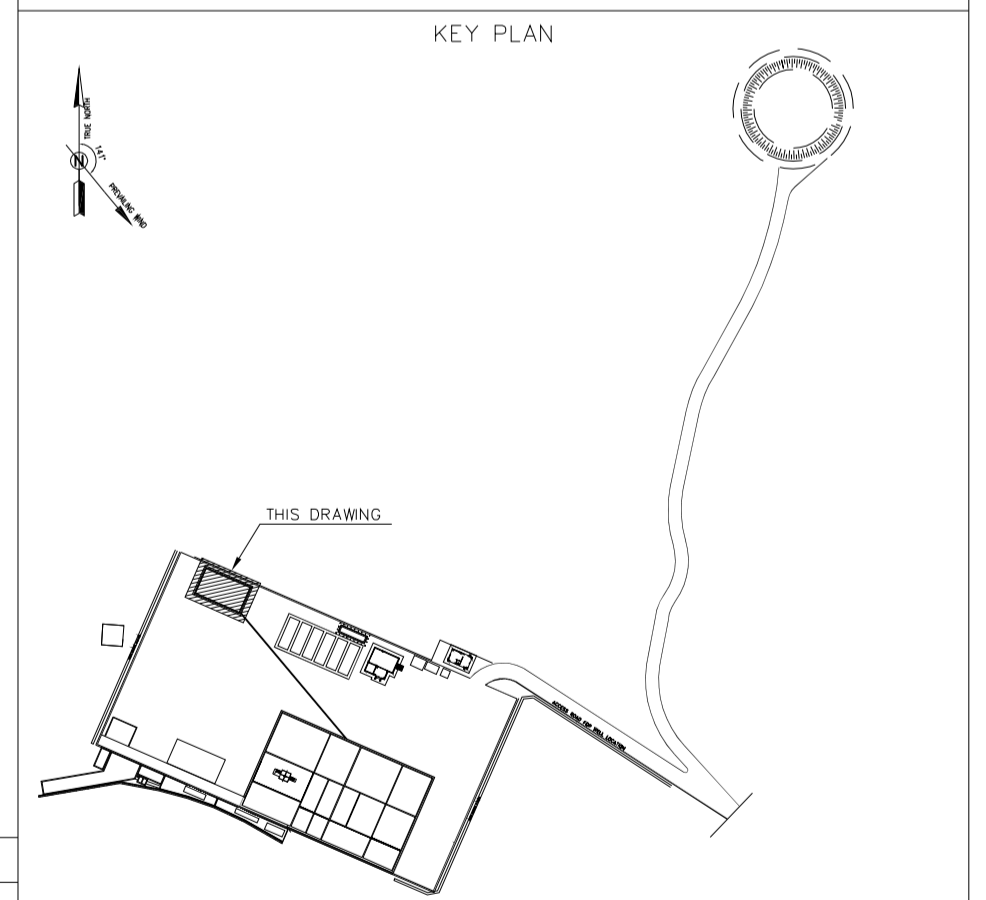
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 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: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
T.O.R	TOP OF ROAD		

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWINGGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWINGGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED				
APPROVED FOR CONSTRUCTION		BY:	DATE:	
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	10 OF 101	D03

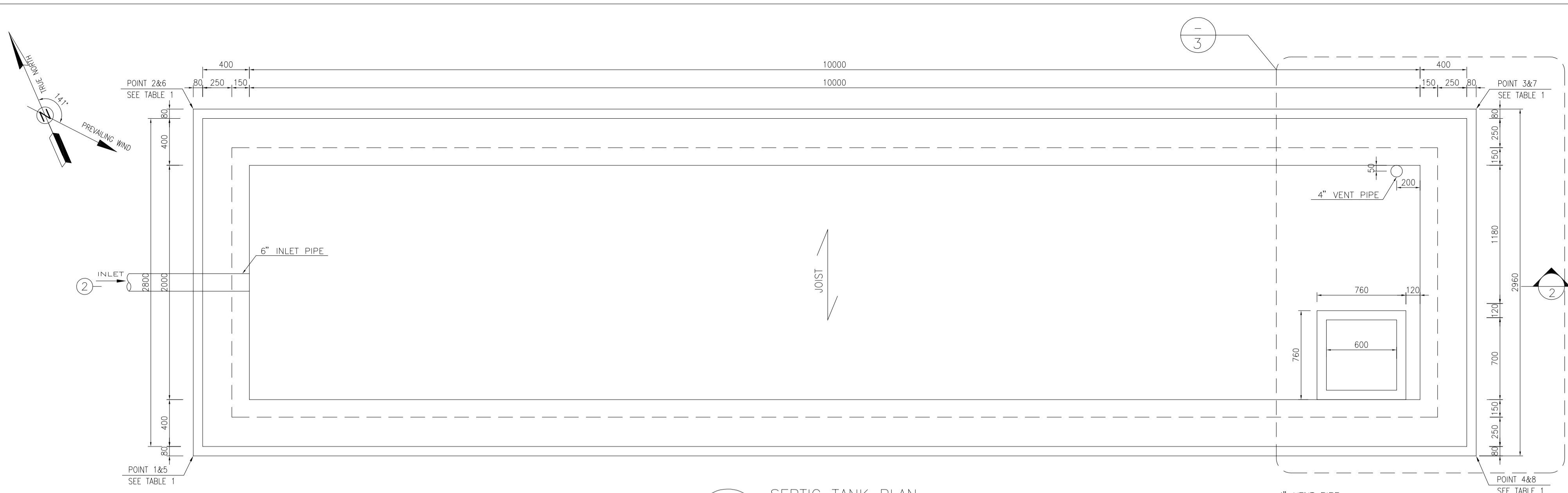
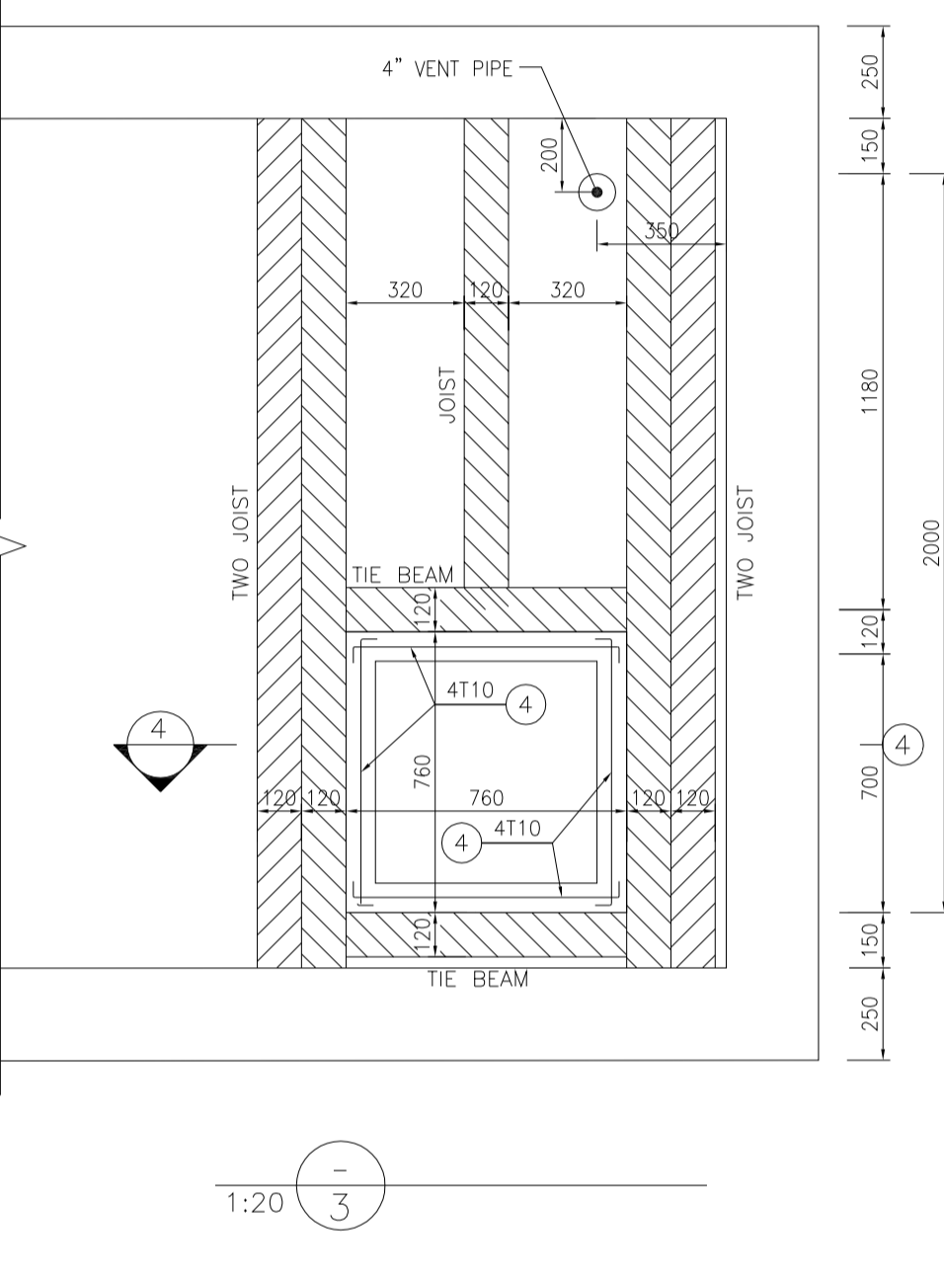
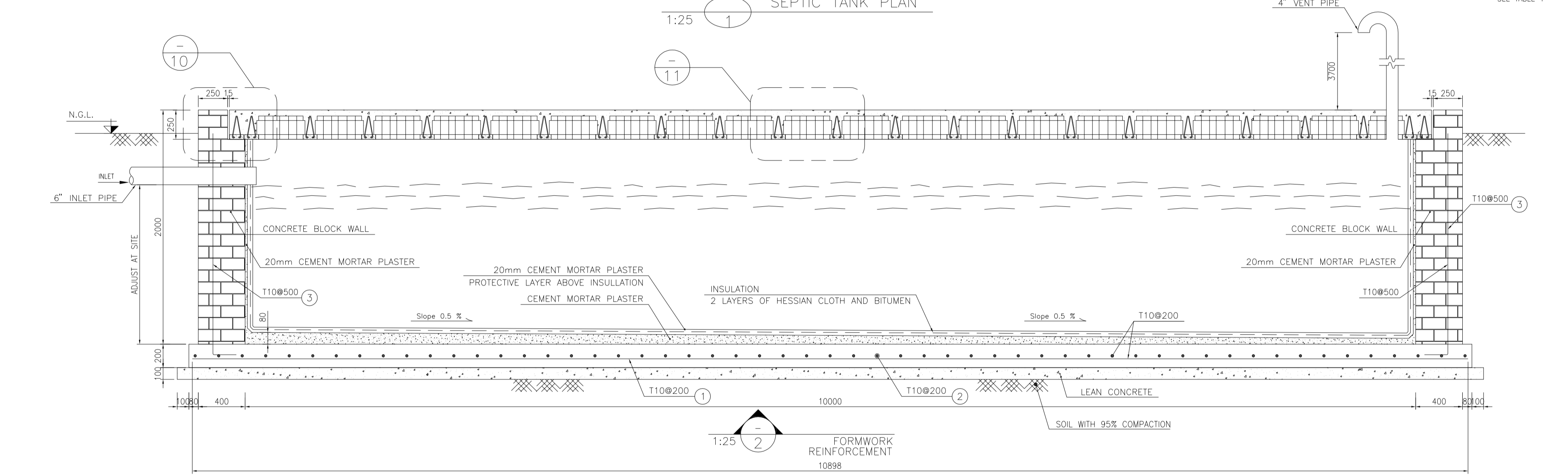


TABLE 1
(CORNERS COORDINATES)

POINT	E=	N=
POINT 1	E=437853.685	N=3295058.601
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POINT 4	E=437863.734	N=3295054.225

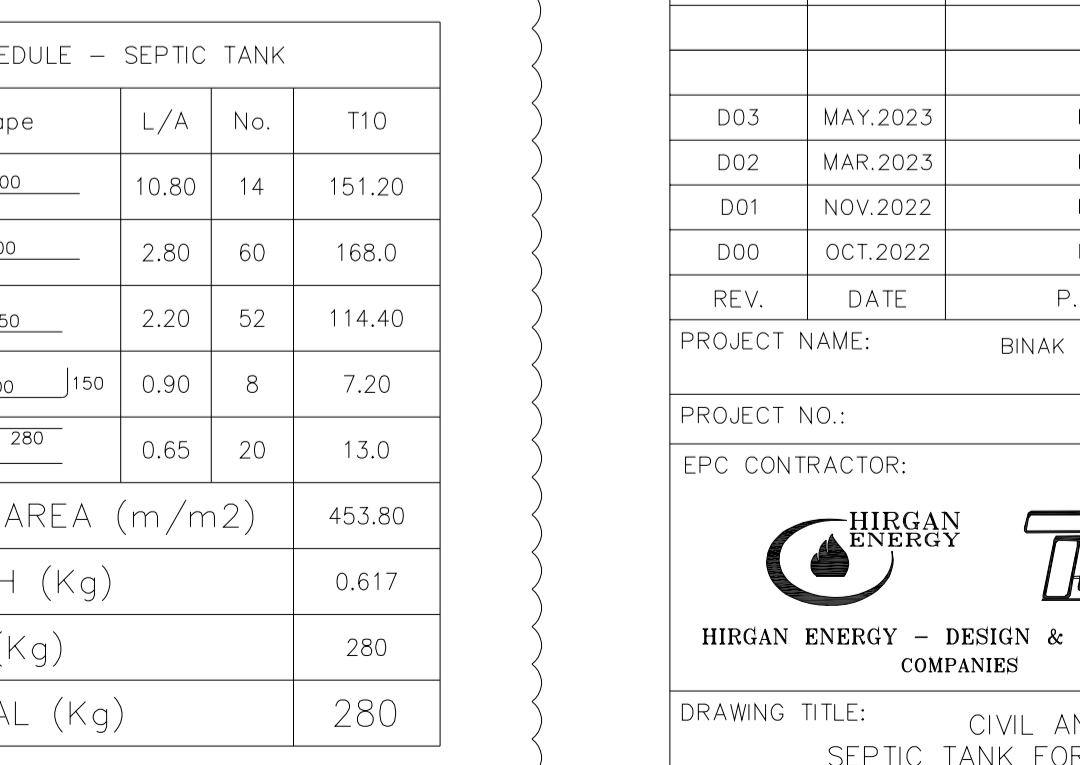
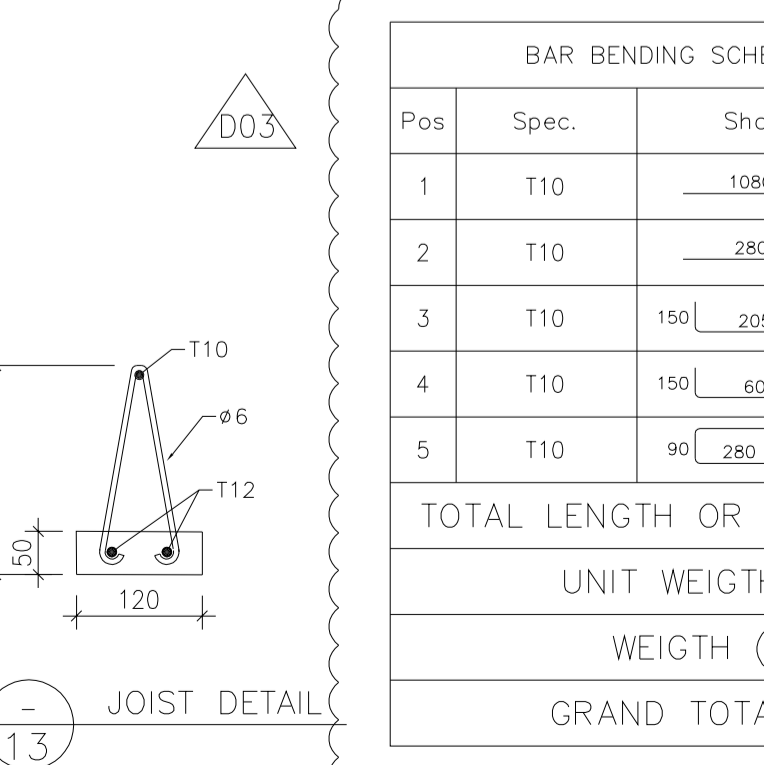
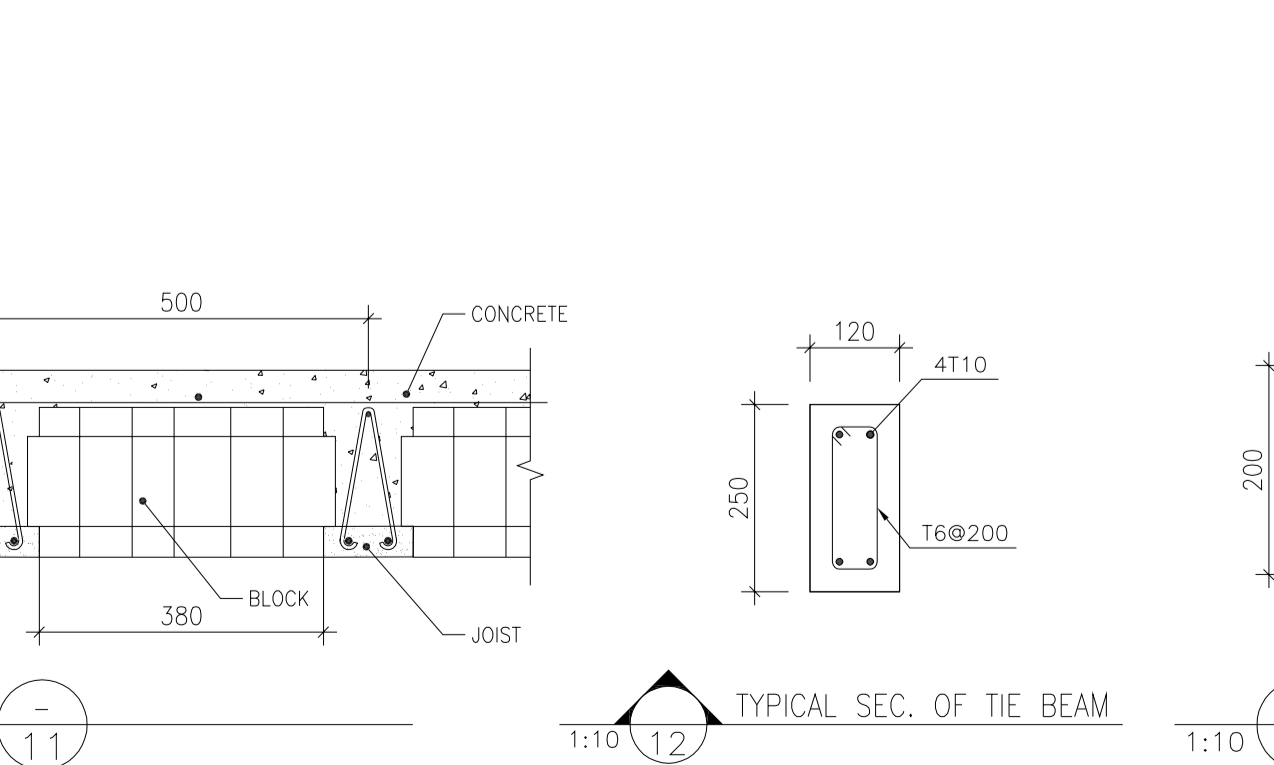
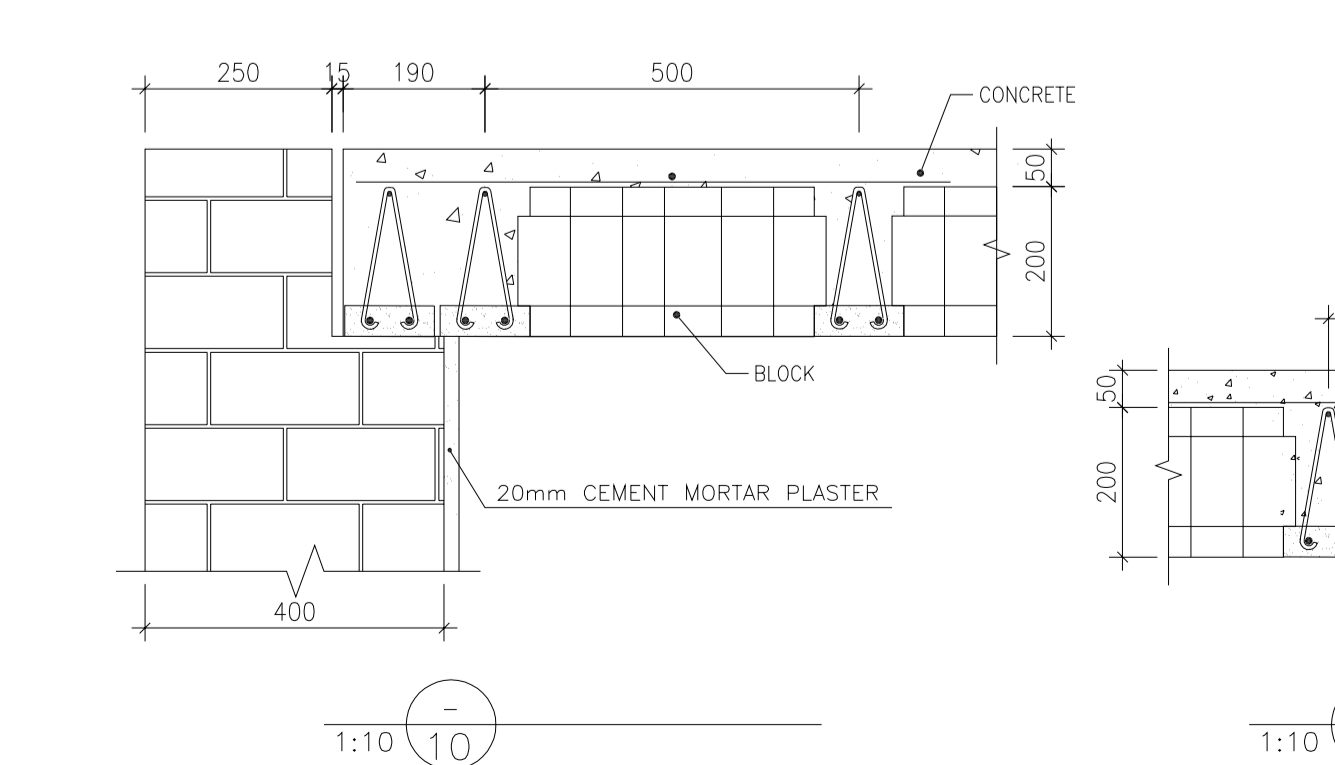
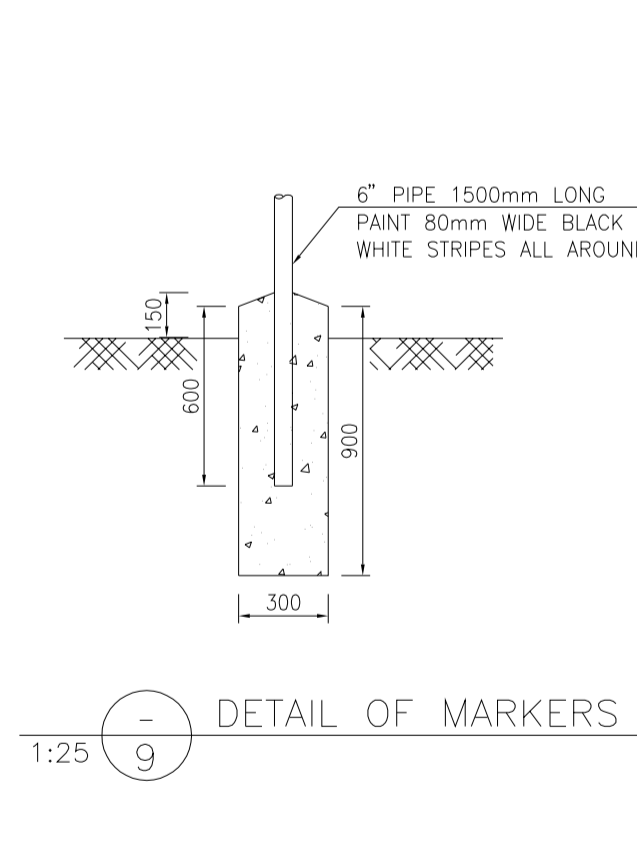
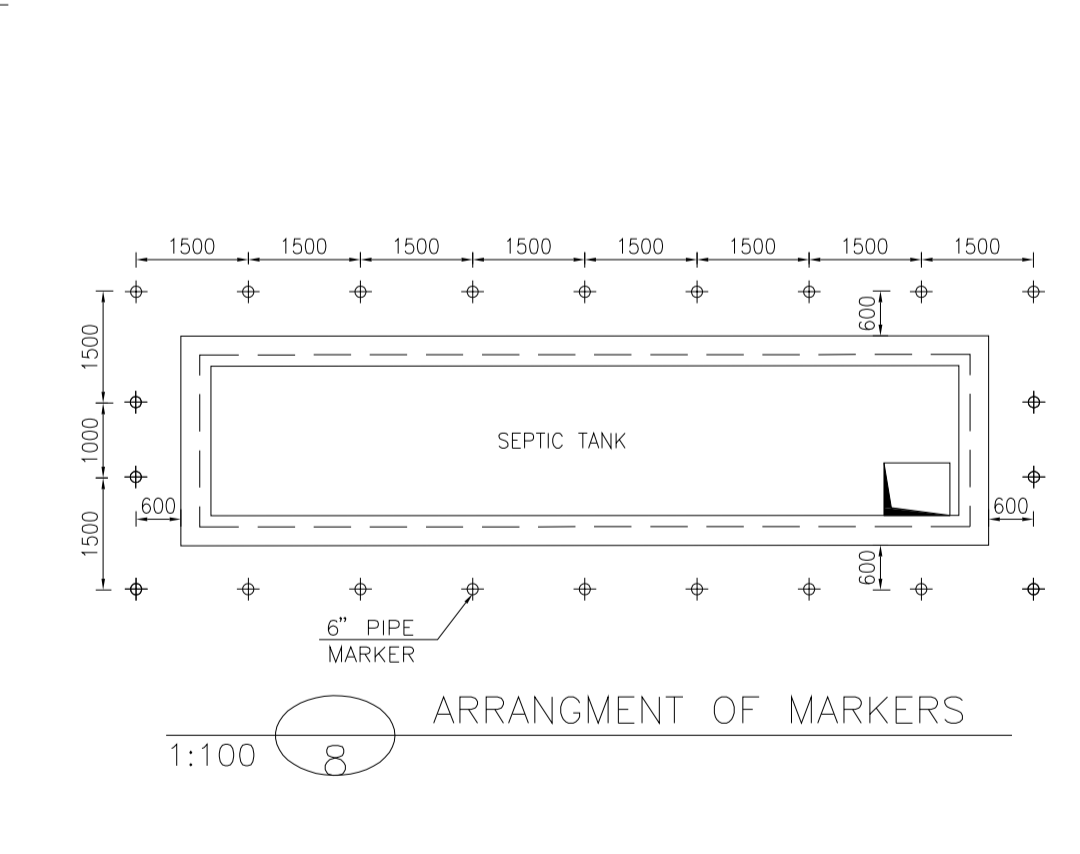
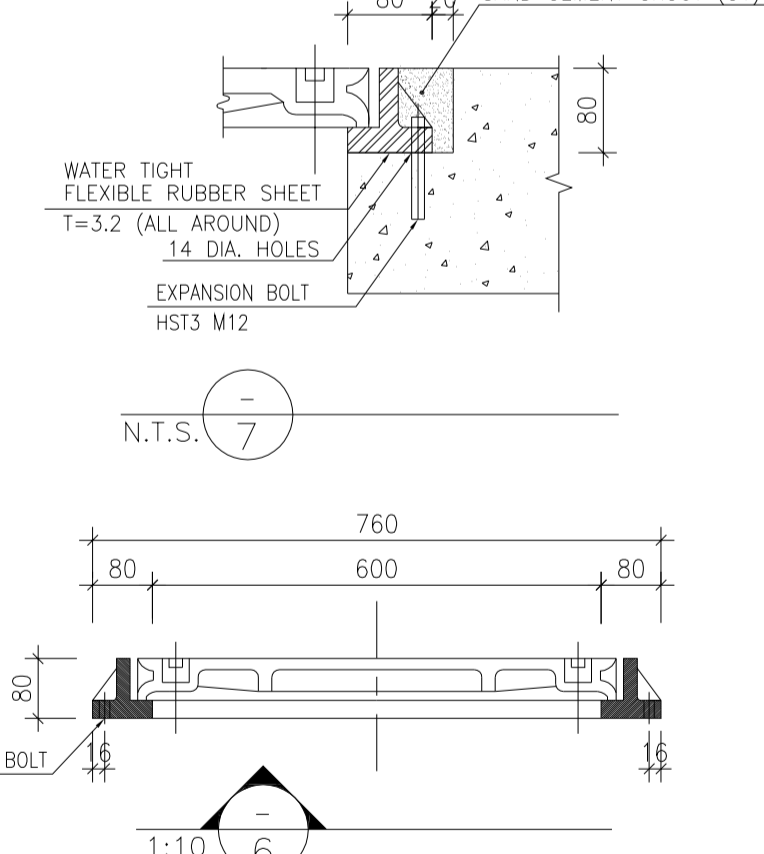
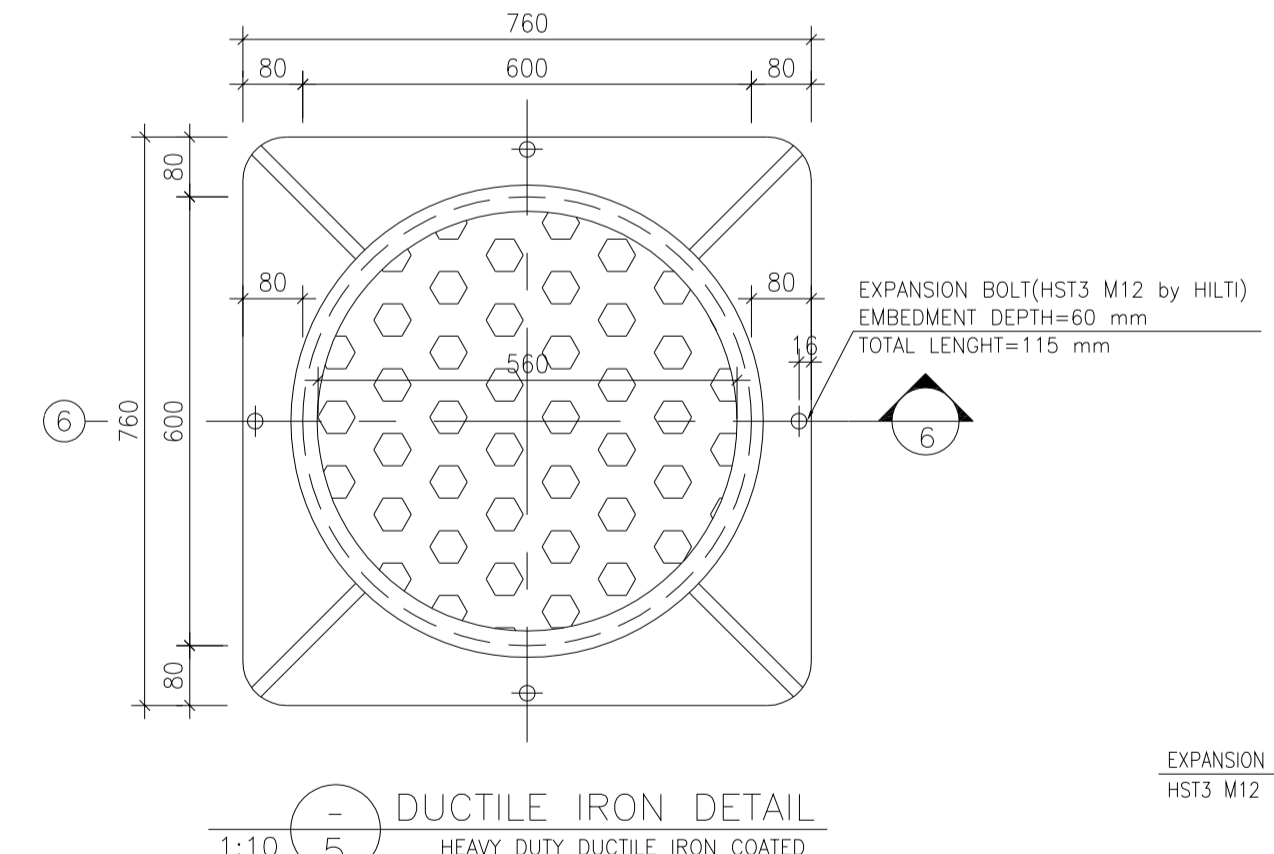
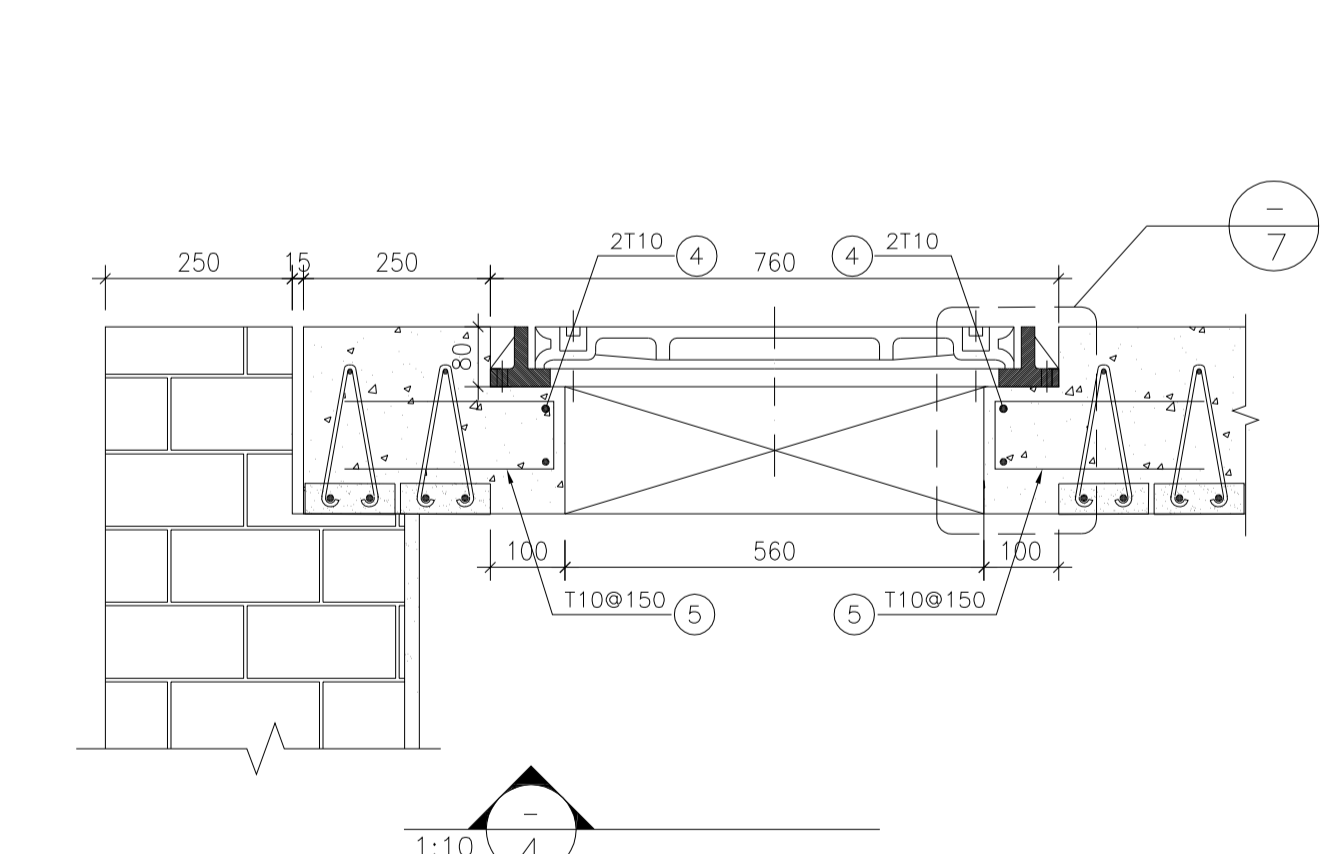
- NOTES
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - 9- JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 11- 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: MSL
 - 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL



- LEGEND AND ABBREVIATION
- | | | | |
|--|---------------------|--|------------------------|
| | REINFORCED CONCRETE | | SUB GRADE |
| | LEAN CONCRETE | | SLOPE |
| | CONCRETE BLOCK WALL | | EXISTING CONCRETE AREA |
| | GRAVEL | | |
| | T.O.F. | | TOP OF FOUNDATION |
| | T.O.W. | | TOP OF WALL |
| | T.O.C. | | TOP OF CONCRETE |
| | T.O.PIT | | TOP OF PIT |
| | B.O.P. | | BOTTOM OF PIPE |
| | R.G.L. | | ROUGH GRADING LEVEL |
| | T.O.R | | TOP OF ROAD |

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



BAR BENDING SCHEDULE - SEPTIC TANK

Pos	Spec.	Shape	L/A	No.	T10
1	T10	10800	10.80	14	151.20
2	T10	2800	2.80	60	168.0
3	T10	150 2050	2.20	52	114.40
4	T10	150 600 150	0.90	8	7.20
5	T10	90 280 280	0.65	20	13.0
TOTAL LENGTH OR AREA (m/m ²)					453.80
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					280
GRAND TOTAL (Kg)					280

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

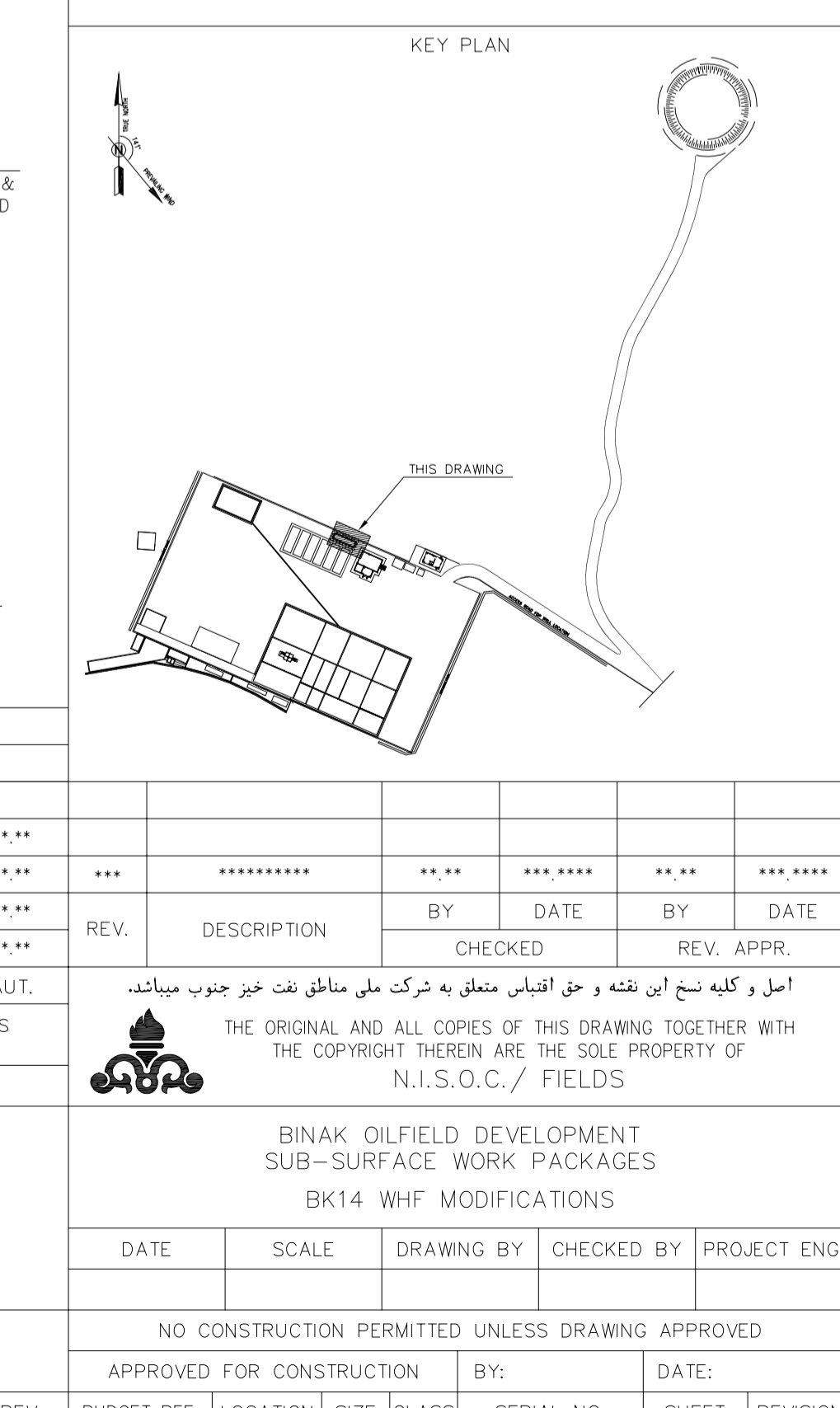
PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

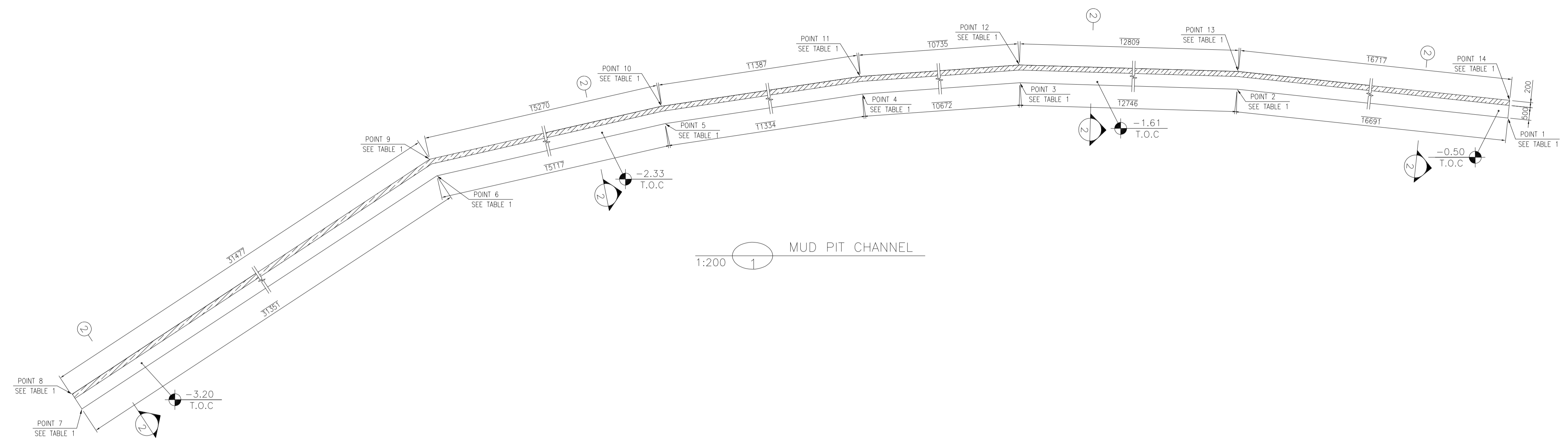
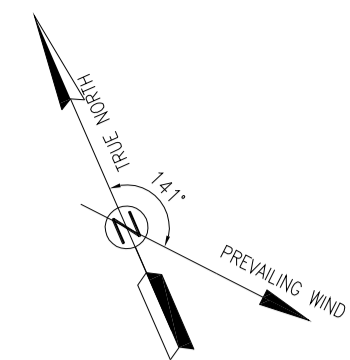
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 SEPTIC TANK FORMWORK & REINFORCEMENT PLAN-SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	11 OF 101	D03	053-073-9184	F	4	S	708209	11	D03

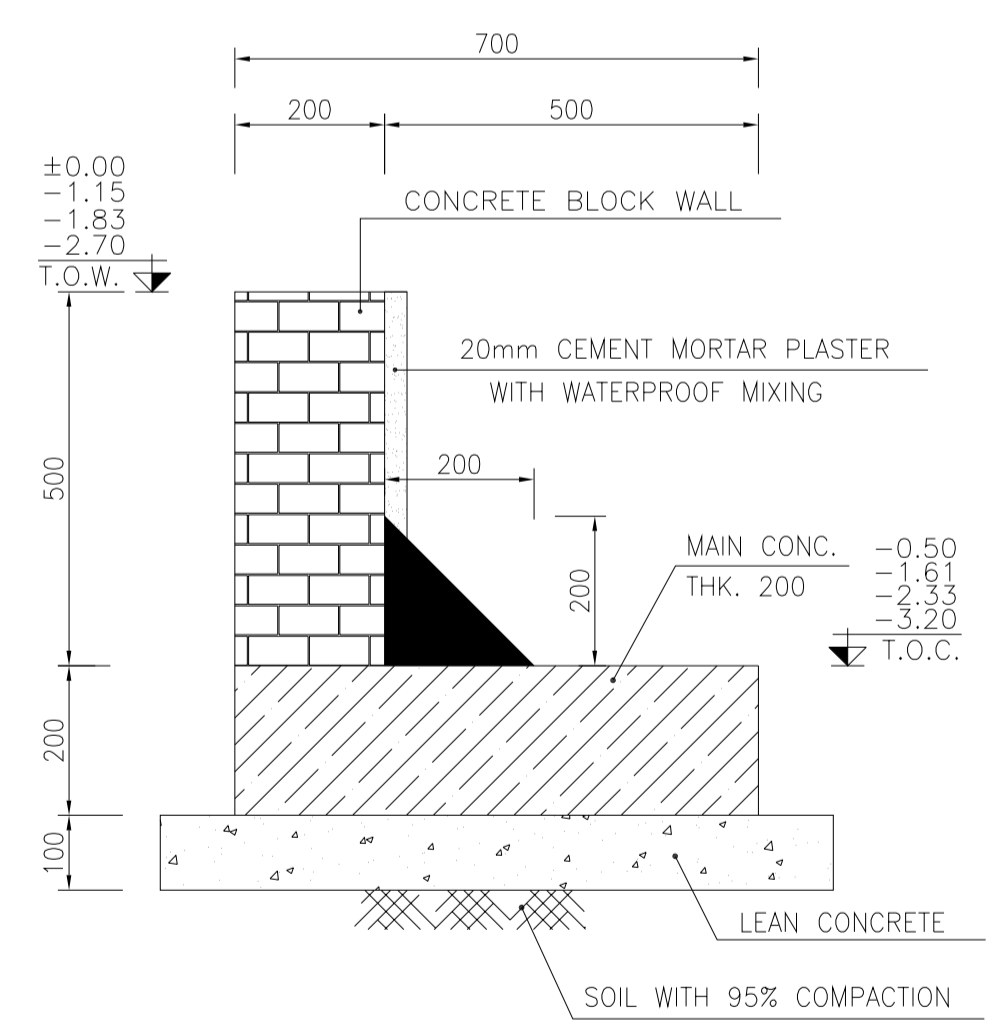


NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

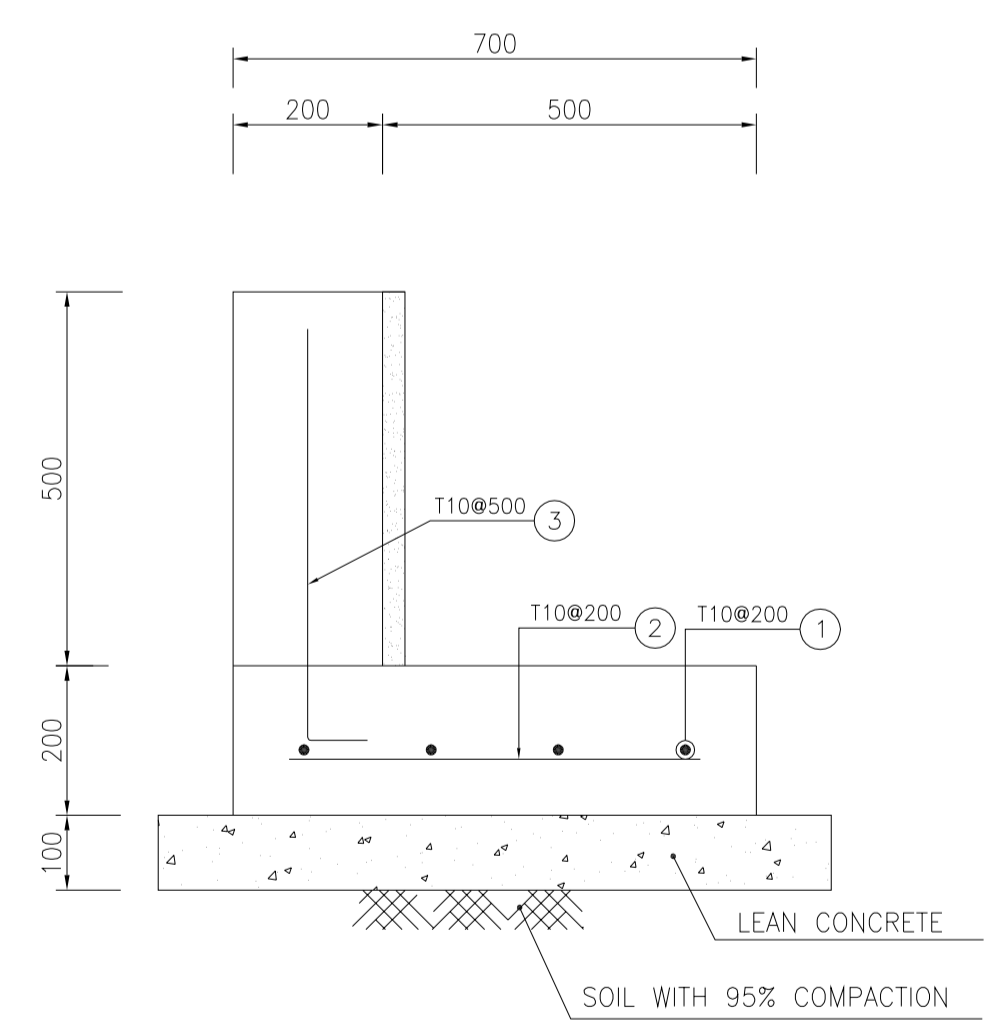
APPROVED FOR CONSTRUCTION BY: DATE:



1:200 MUD PIT CHANNEL



1:10 FORMWORK 2



1:10 FORMWORK 3

TABLE 1
(CORNERS COORDINATES)

POINT 1	E=437832.239	N=3294977.840
POINT 2	E=437817.731	N=3294986.092
POINT 3	E=437806.204	N=3294991.531
POINT 4	E=437796.141	N=3294995.084
POINT 5	E=437785.195	N=3294998.022
POINT 6	E=437770.343	N=3295000.836
POINT 7	E=437739.444	N=3294995.535
POINT 8	E=437739.326	N=3294996.225
POINT 9	E=437770.349	N=3295001.548
POINT 10	E=437785.353	N=3294998.705
POINT 11	E=437796.348	N=3294995.753
POINT 12	E=437806.470	N=3294992.179
POINT 13	E=437818.054	N=3294986.714
POINT 14	E=437832.585	N=3294978.448

Pos	Spec.	Shape	L/A	No.	T10	
1	T10	—	110	4	440.000	
2	T10	—	600	500	300.000	
3	T10	—	150	450	200	120.000
TOTAL LENGTH OR AREA (m/m ²)					860.000	
UNIT WEIGHT (Kg)					0.617	
WEIGHT (Kg)					516.00	
GRAND TOTAL (Kg)					520 Kg.	

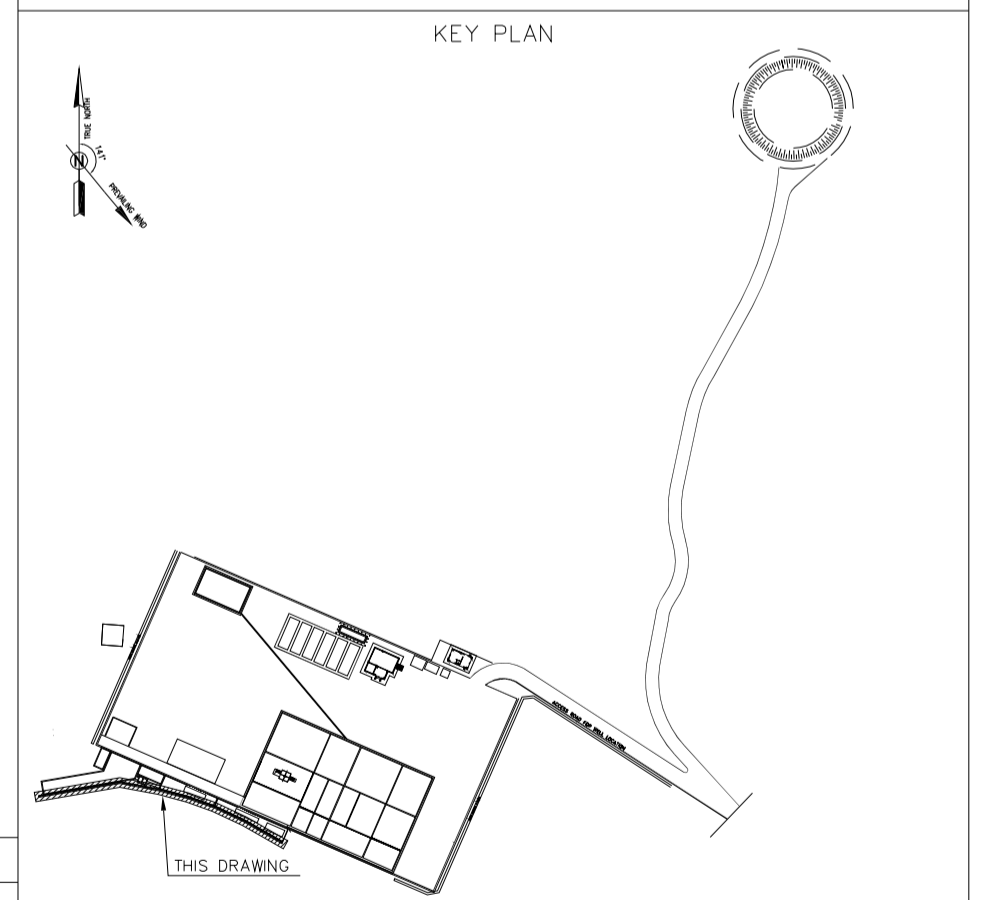
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 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: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
T.O.R.	TOP OF ROAD		

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 MUD PIT CHANNEL FORMWORK & REINFORCEMENT PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

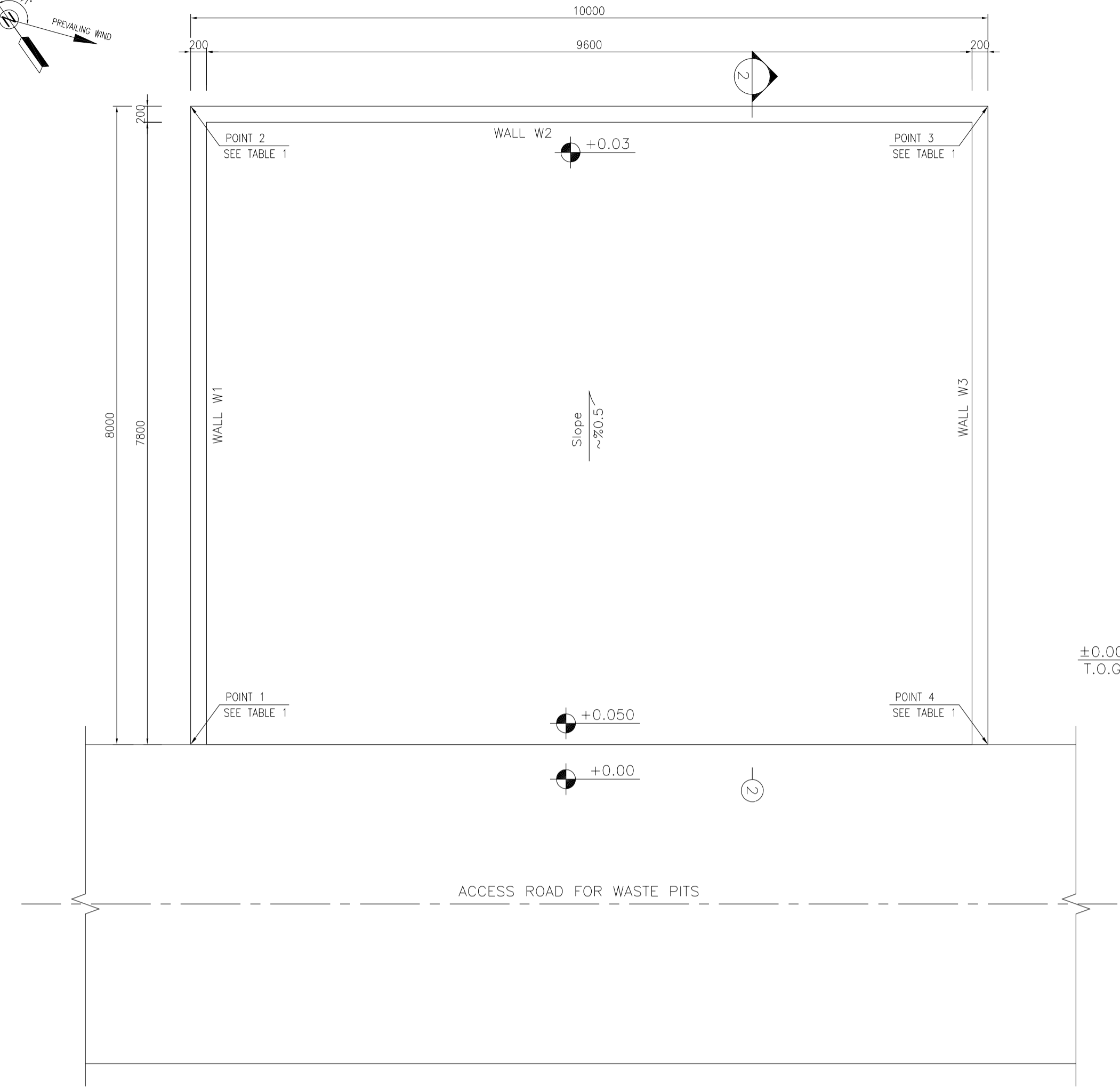
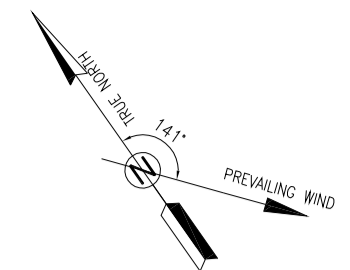
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AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	12 OF 101	D03	053-073-9184	F	4	S	708209	12	D03

املا و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملام مناطق نفت خیز جنوب میباشند.

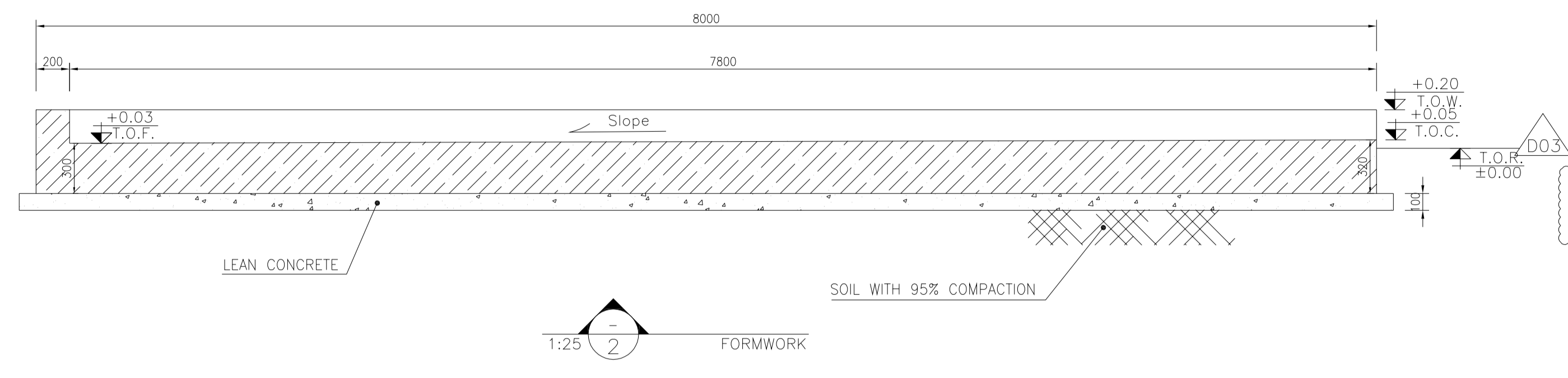
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

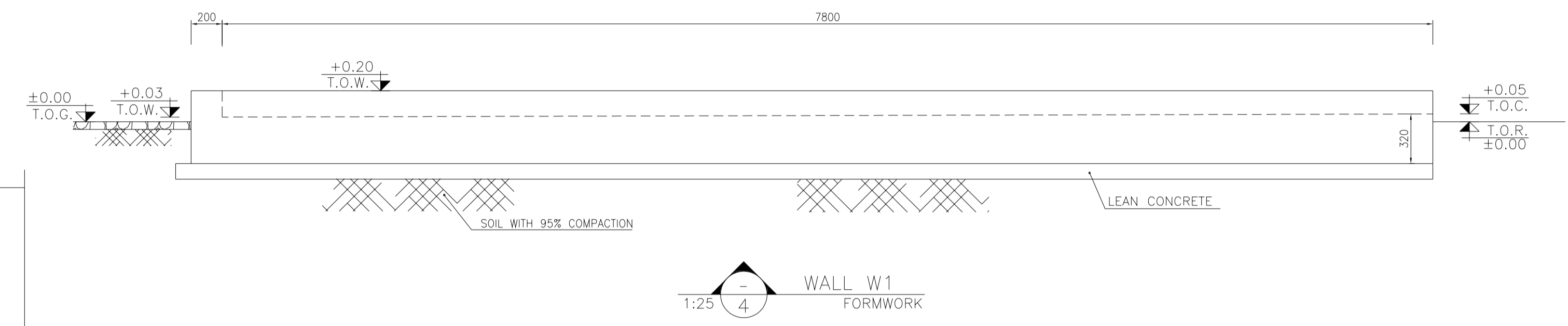
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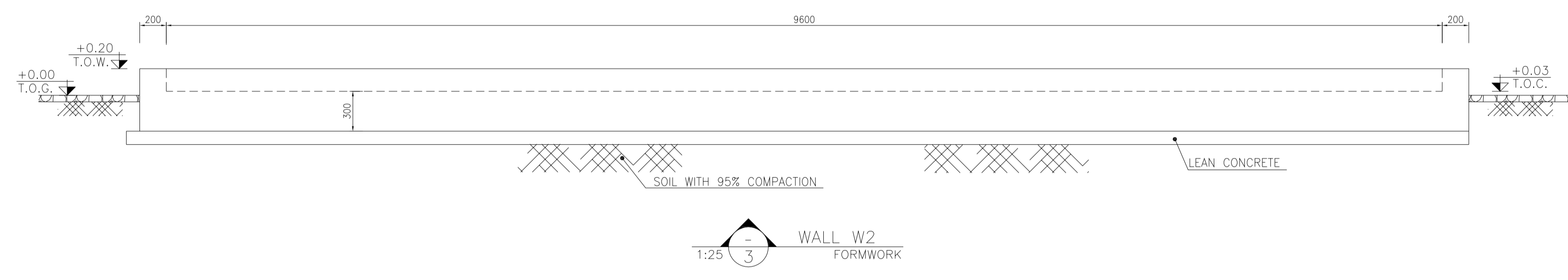
1:50 TREATMENT PAD PLAN FORMWORK



1:25 WALL W1 FORMWORK



1:25 WALL W2 FORMWORK



1:25 WALL W3 FORMWORK

TABLE 1
(CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437764.558	N=3295018.876
POINT 2	E=437767.755	N=3295026.209
POINT 3	E=437776.921	N=3295022.213
POINT 4	E=437773.724	N=3295014.880

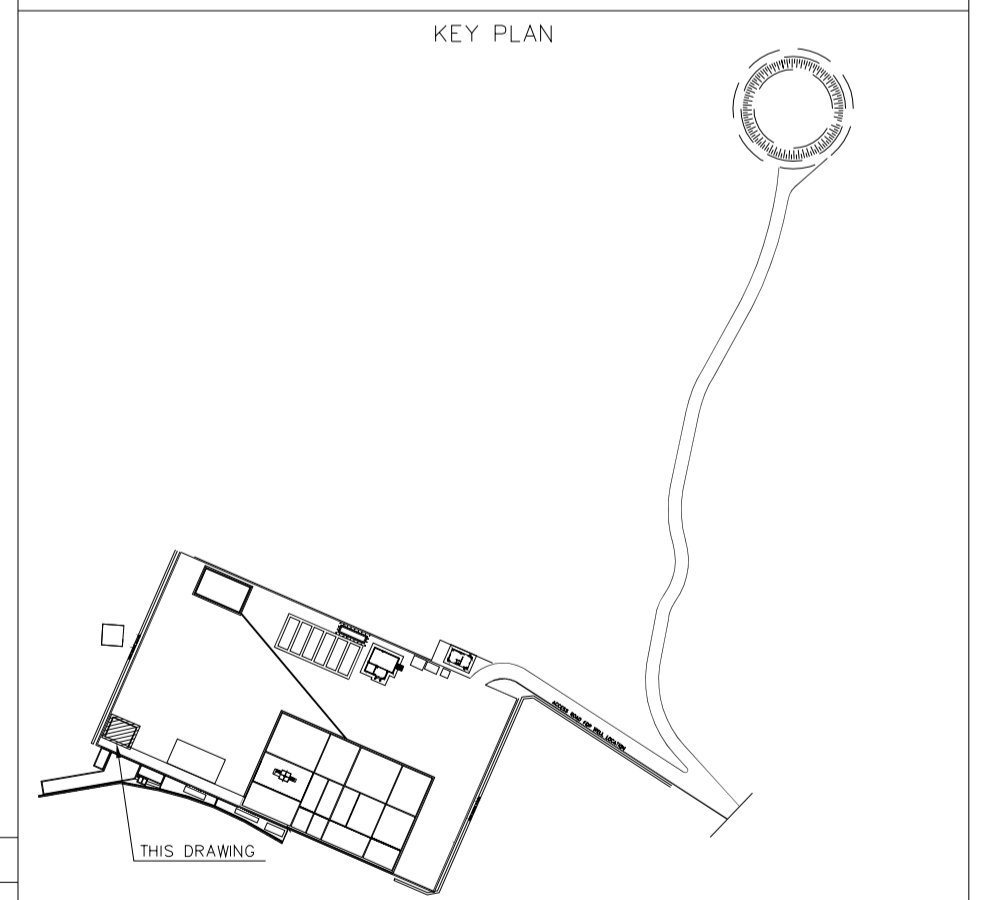
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 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: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
T.O.R.	TOP OF ROAD		

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
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SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWINGGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWINGGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPD/EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 TREATMENT PAD FORMWORK - DETAIL & SECTION

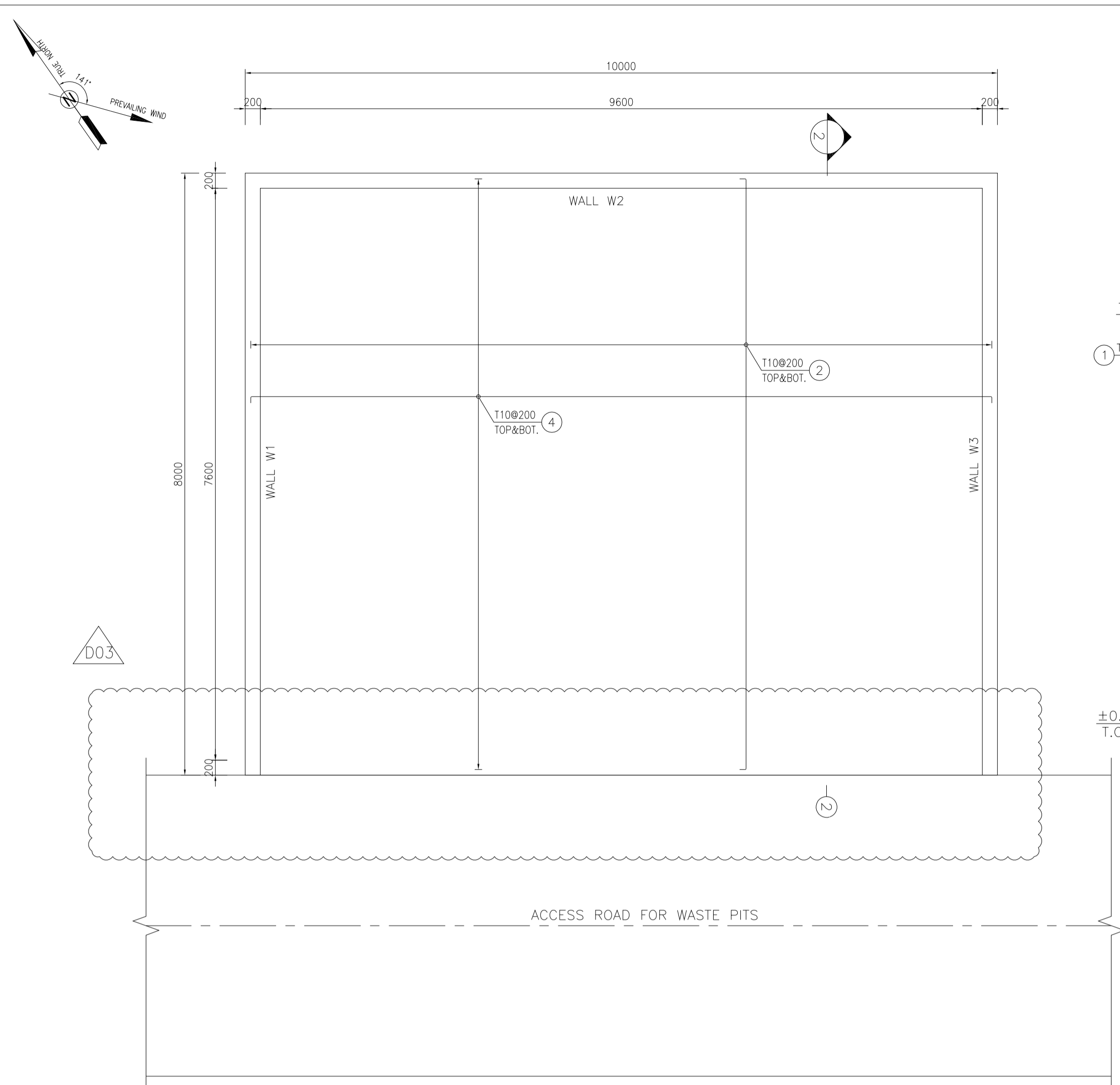
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	13 OF 101	D03	053-073-9184	F	4	S	708209	13	D03

APPROVED FOR CONSTRUCTION

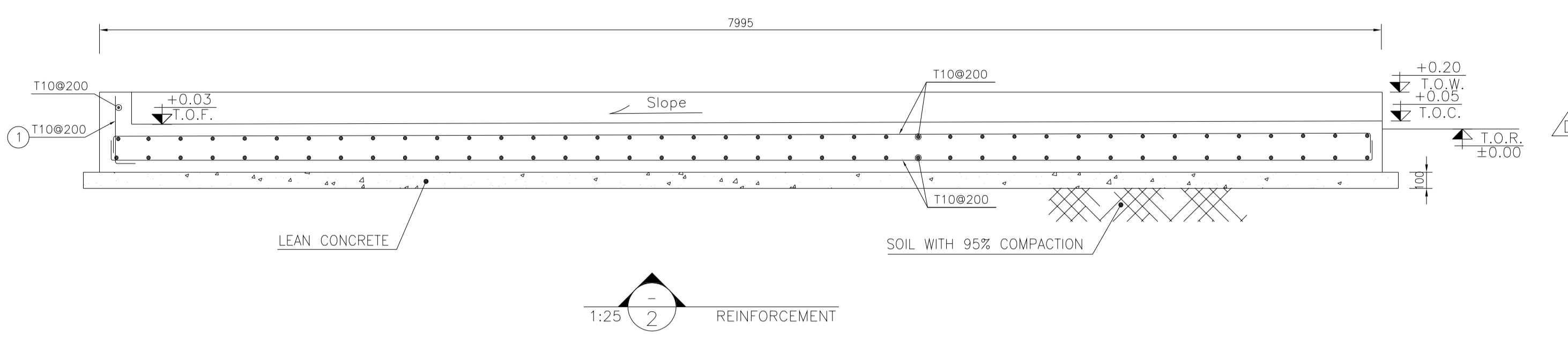
BY: _____ DATE: _____

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

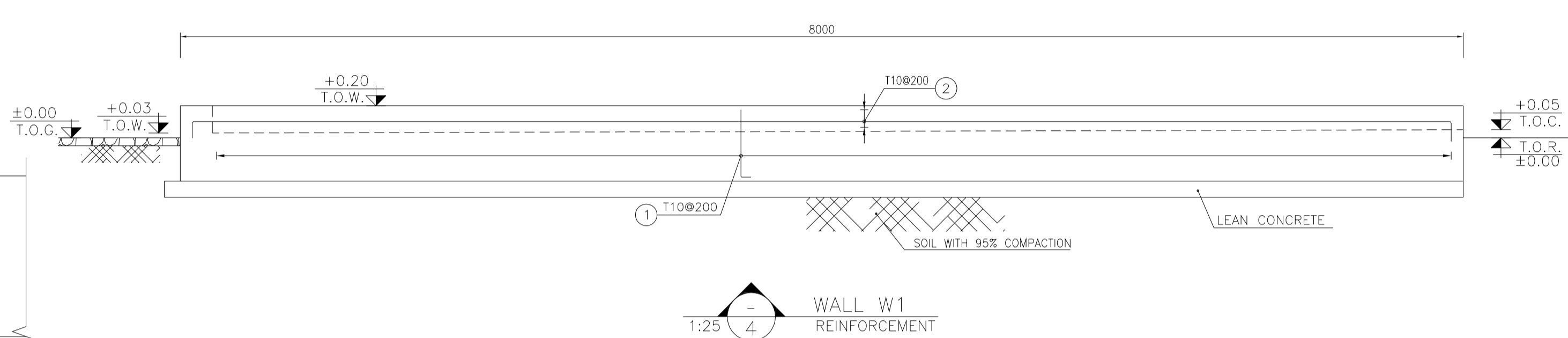
DATE: _____ SCALE: _____ DRAWING BY: _____ CHECKED BY: _____ PROJECT ENG.:



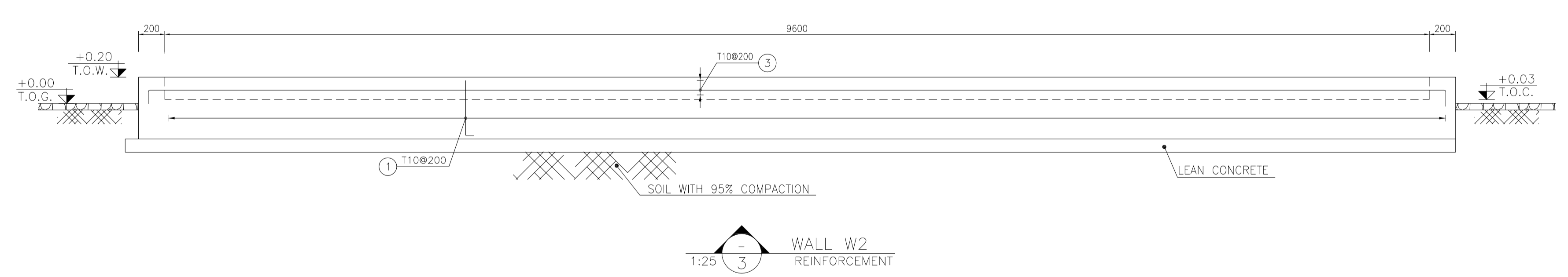
1:100 TREATMENT PAD PLAN REINFORCEMENT



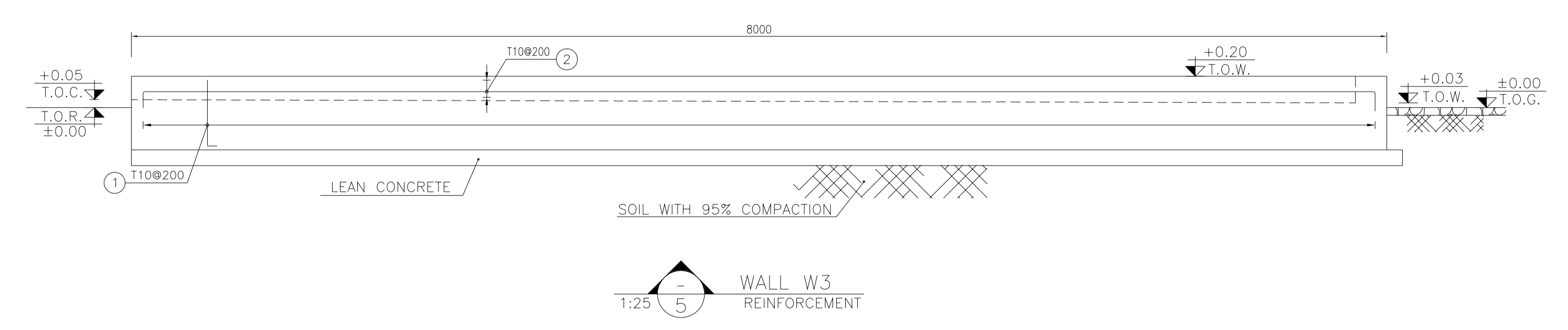
1:25 WALL W2 REINFORCEMENT



1:25 WALL W1 REINFORCEMENT



1:25 WALL W2 REINFORCEMENT



1:25 WALL W3 REINFORCEMENT

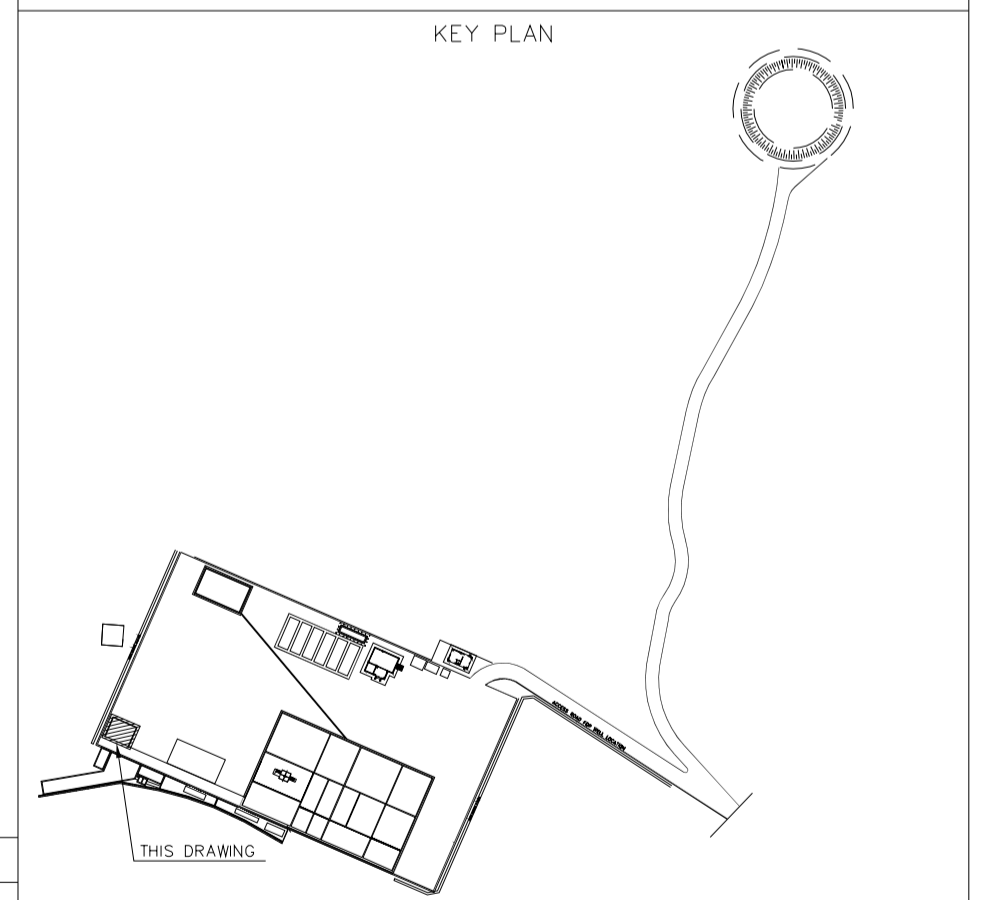
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
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 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 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: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
T.O.R.	TOP OF ROAD		

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
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STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
FOUNDATION DRAWING FOR SWHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

Pos	Spec.	Shope	L/A	No.	T10
1	T10	200	0.620	392	243.04
2	T10	200	8.250	110	907.500
3	T10	200	10.300	4	41.200
4	T10	200	10.250	82	840.500
TOTAL LENGTH OR AREA (m/m ²)					2032.00
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					1253.90
GRAND TOTAL (Kg)					1260 Kg.



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPD/EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 TREATMENT PAD REINFORCEMENT - DETAIL & SECTION

SCALE: AS SHOWN

SIZE: A1

DRAWING NO.: BK-BK14-PEDCO-110-CV-DW-0001

SHEET NO.: 14 OF 101

REV.: D03

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 14

REVISION: D03

REV.	DESCRIPTION	BY	DATE	BY	DATE
***	*****	***	*****	***	*****
		CHECKED		REV. APPR.	

املا و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.

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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

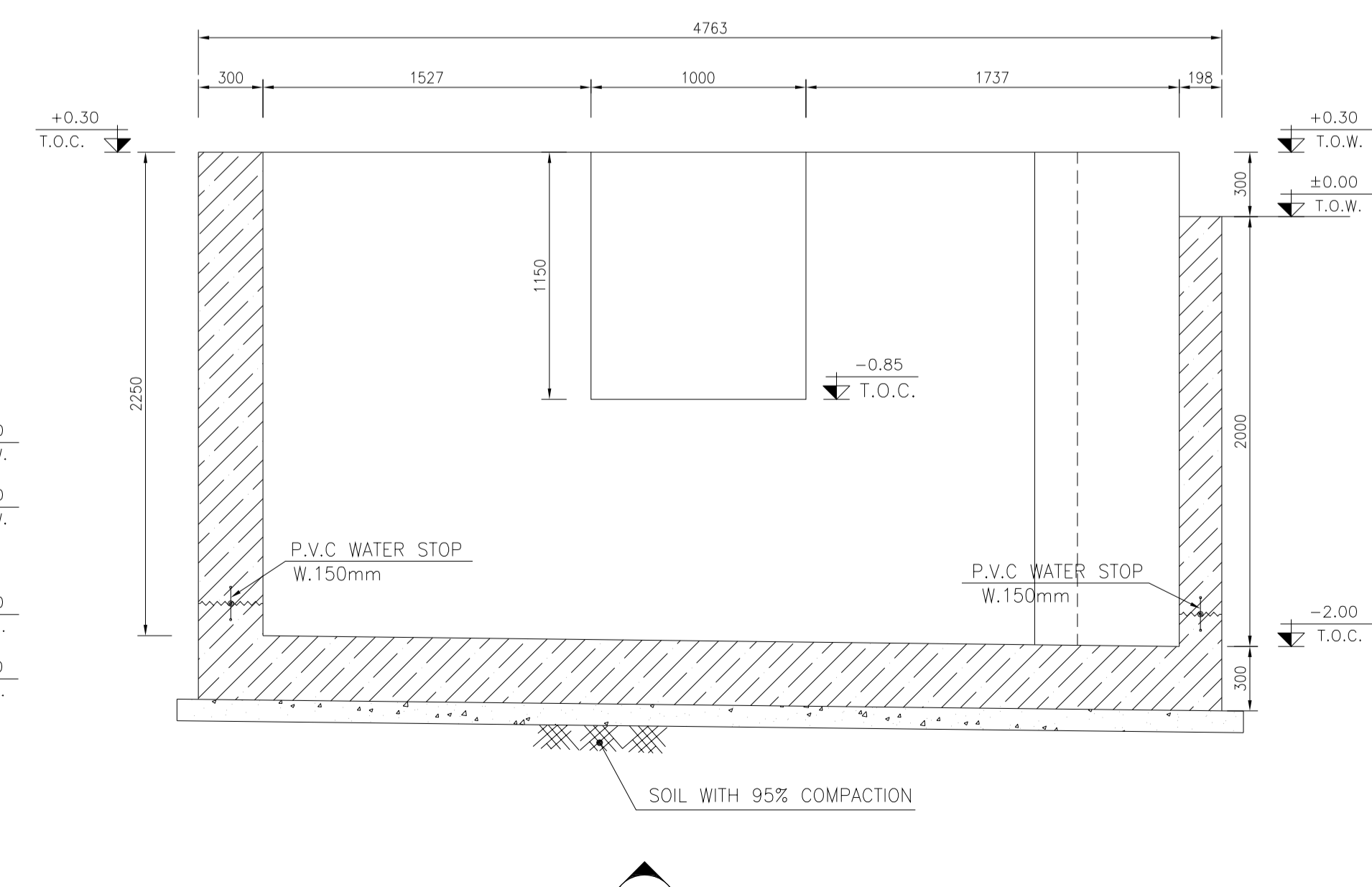
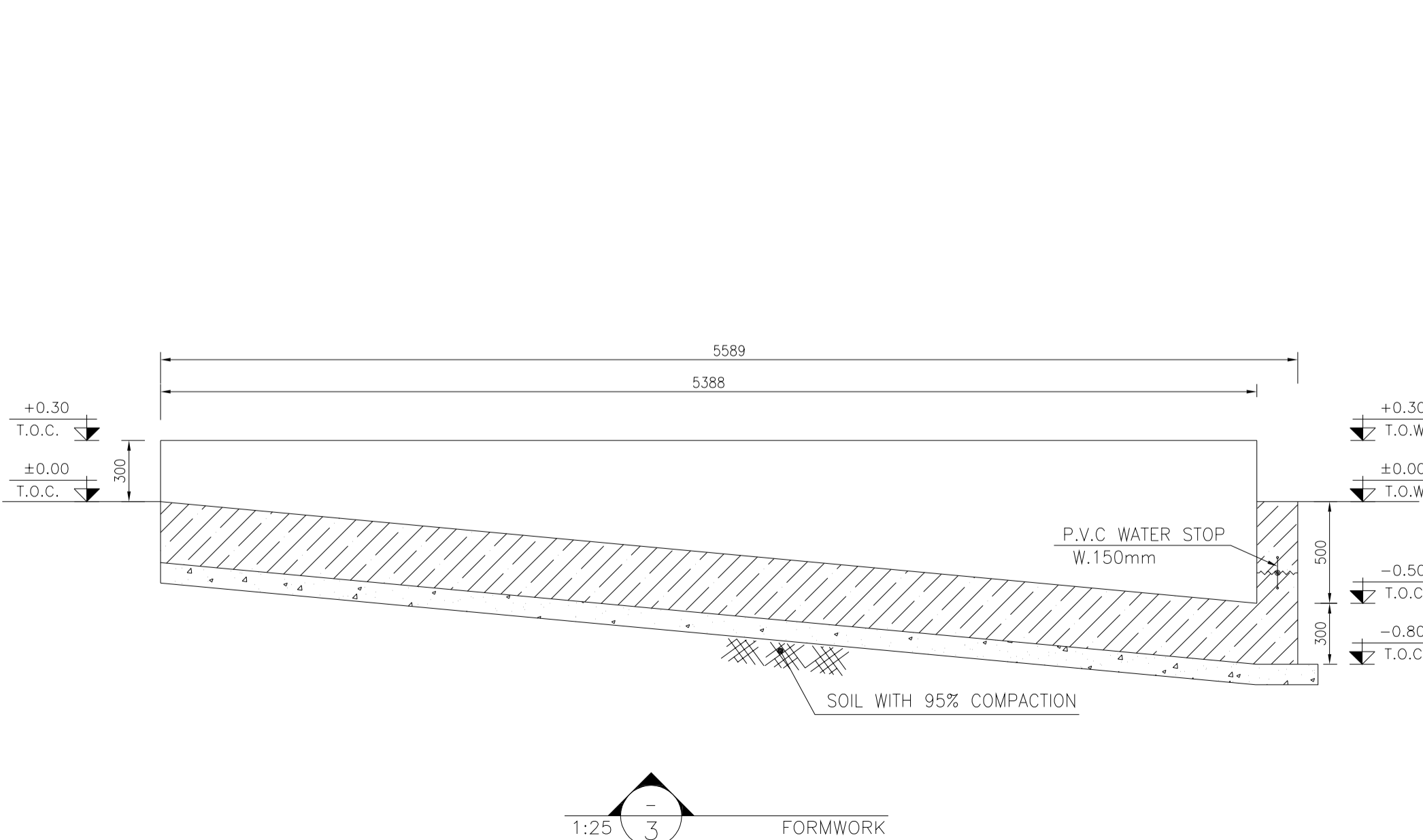
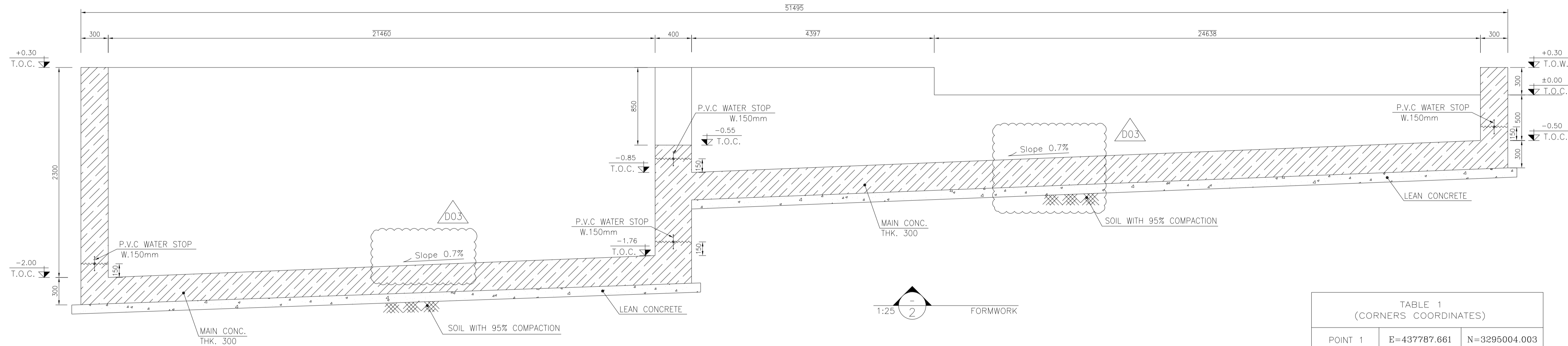
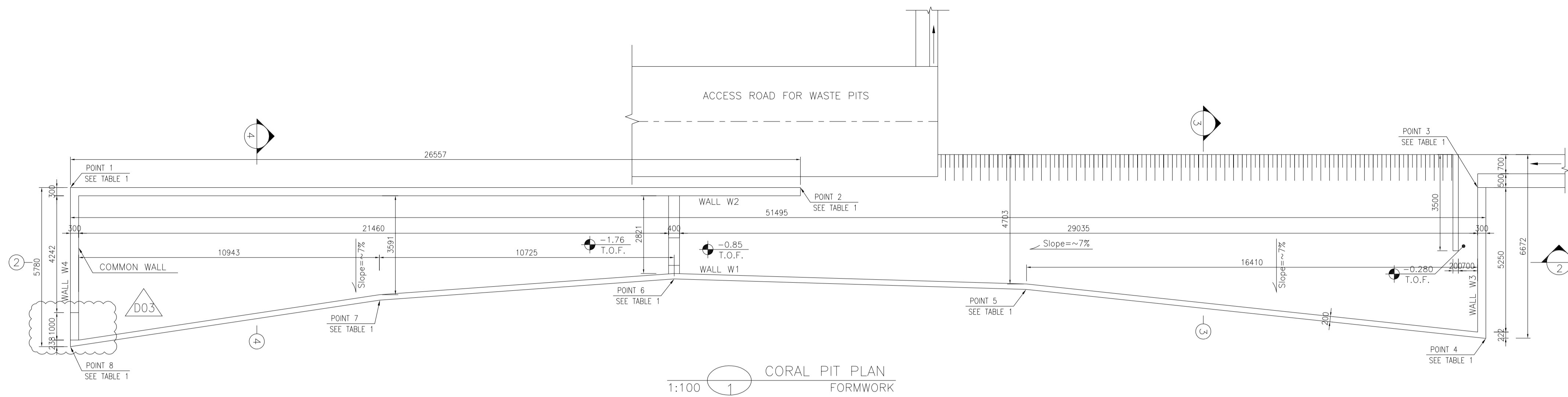
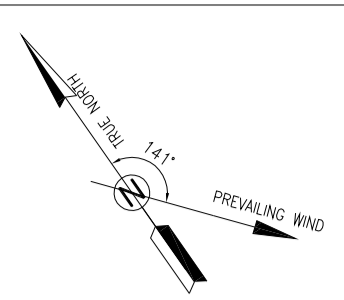


TABLE 1
(CORNERS COORDINATES)

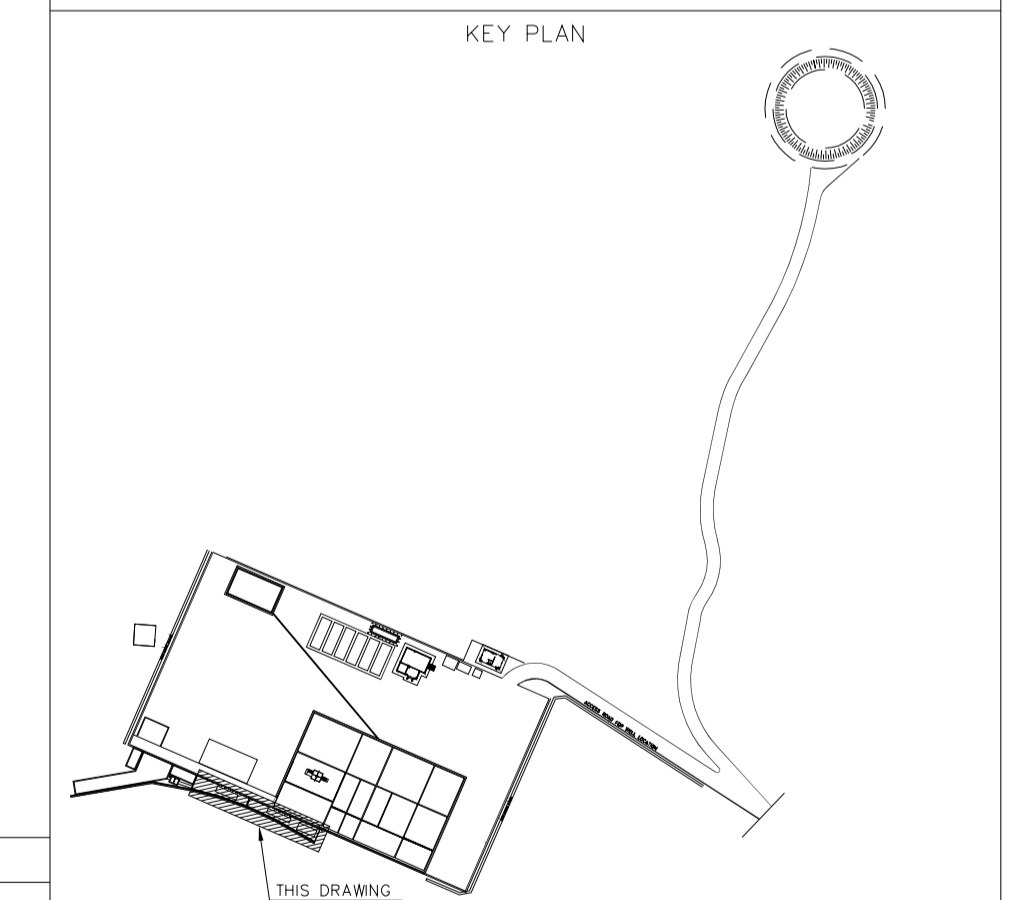
POINT	E	N
POINT 1	E=437787.661	N=3295004.003
POINT 2	E=437812.004	N=3294993.390
POINT 3	E=437834.588	N=3294983.544
POINT 4	E=437832.672	N=3294978.399
POINT 5	E=437818.054	N=3294986.714
POINT 6	E=437806.470	N=3294992.179
POINT 7	E=437796.348	N=3294995.753
POINT 8	E=437785.353	N=3294998.705

- NOTES
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LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
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	T.O.W.		TOP OF WALL
	T.O.C.		TOP OF CONCRETE
	T.O.PIT		TOP OF PIT
	B.O.P.		BOTTOM OF PIPE
	R.G.L.		ROUGH GRADING LEVEL
	T.O.R		TOP OF ROAD

REFERENCE DRAWING	DRG. No.
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STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWINGGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWINGGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 CORAL PIT FORMWORK - DETAIL & SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	15 OF 101	D03	053-073-9184	F	4	S	708209	15	D03

REV.	DESCRIPTION	BY	DATE	REV.	DATE
***	*****	*****	*****	***	*****

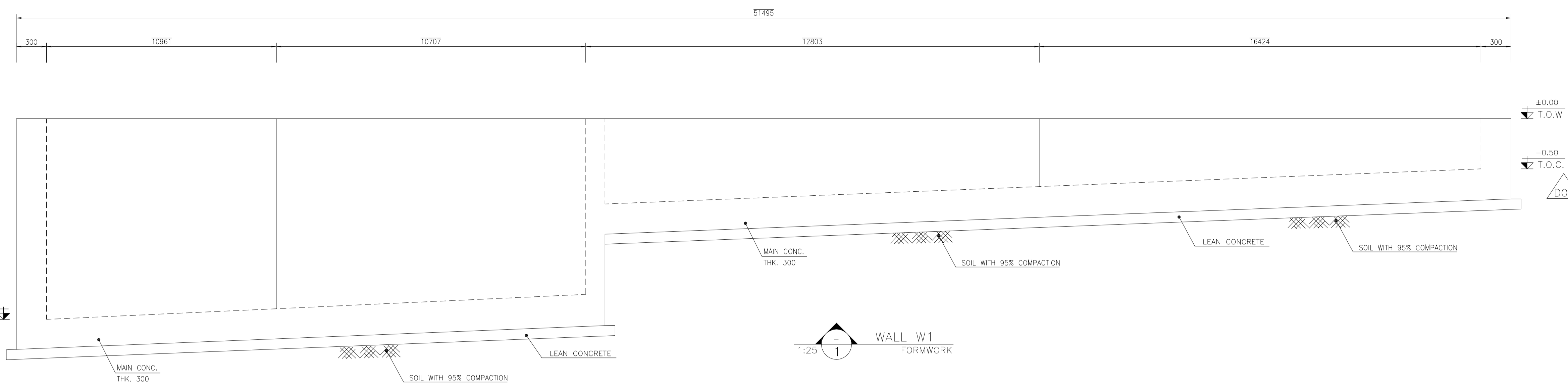
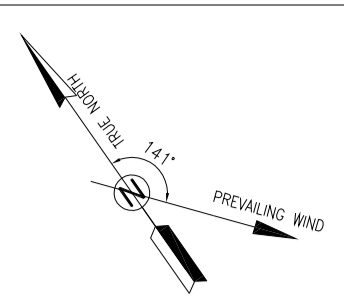
املا و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.

THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

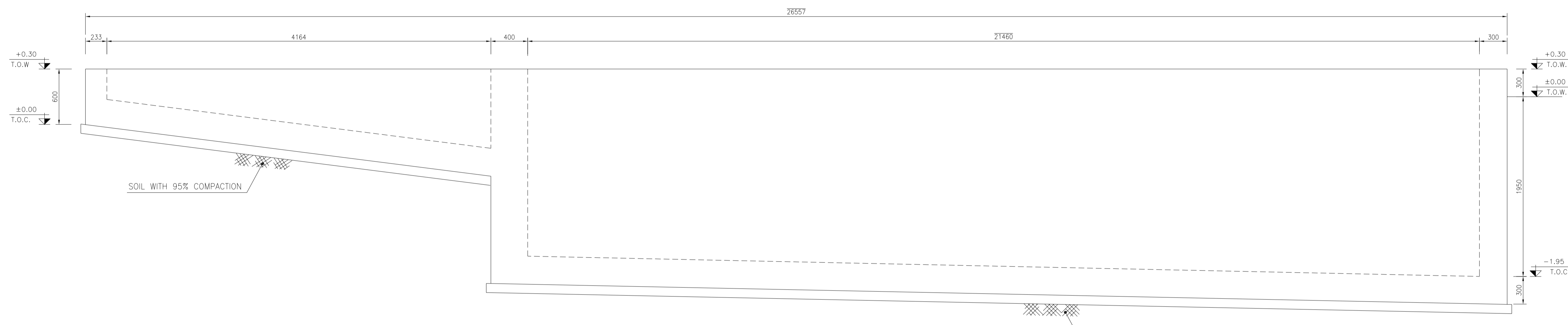
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

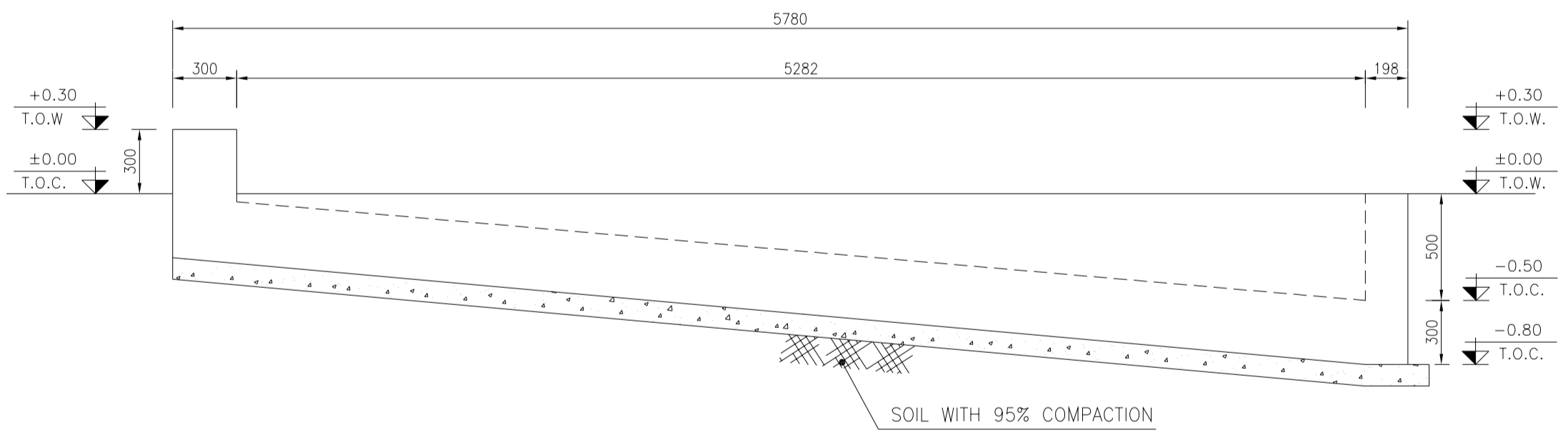
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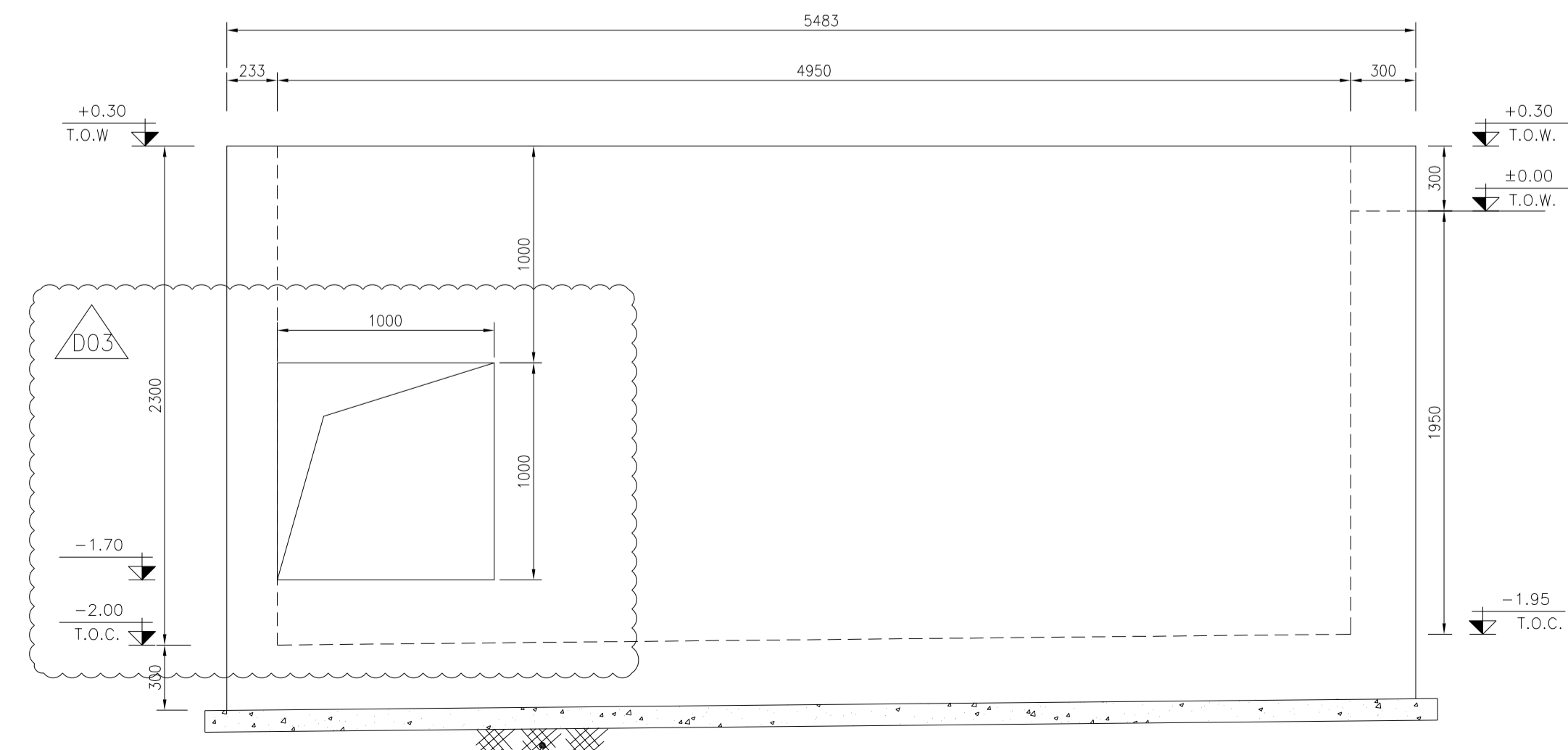
1:25 WALL W1 FORMWORK



1:25 WALL W2 FORMWORK



1:25 WALL W3 FORMWORK



1:25 WALL W4 FORMWORK

NOTES

- 1- ALL COORDINATES ARE IN METER.
- 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
- 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
- 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
- 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
- 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
- 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
- 9- JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
- 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
- 11- 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: MSL
- 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

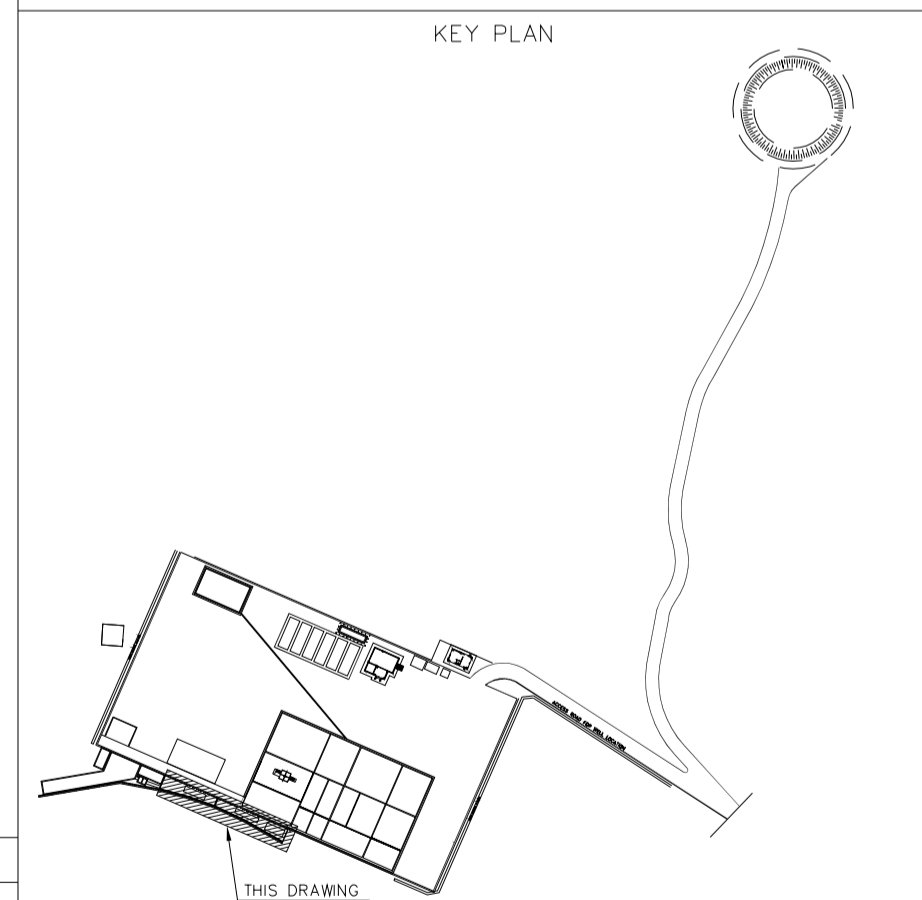
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
T.O.R	TOP OF ROAD		

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWINGGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWINGGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

TABLE 7
(CORNERS COORDINATES)

POINT	E	N
POINT 1	E=435582.373	N=3294374.277
POINT 2	E=435602.853	N=3294359.939
POINT 3	E=435595.971	N=3294350.108
POINT 4	E=435575.491	N=3294364.446



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

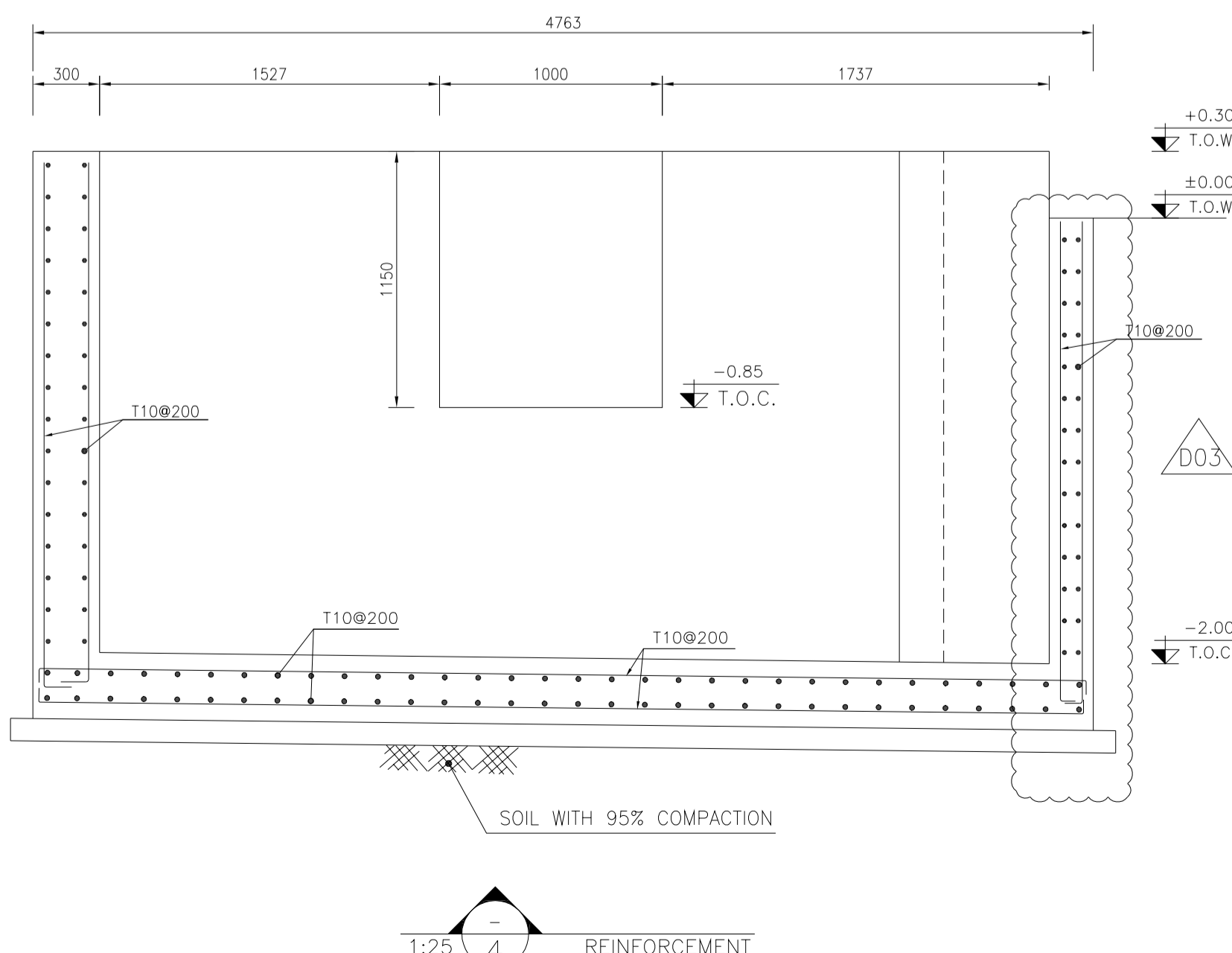
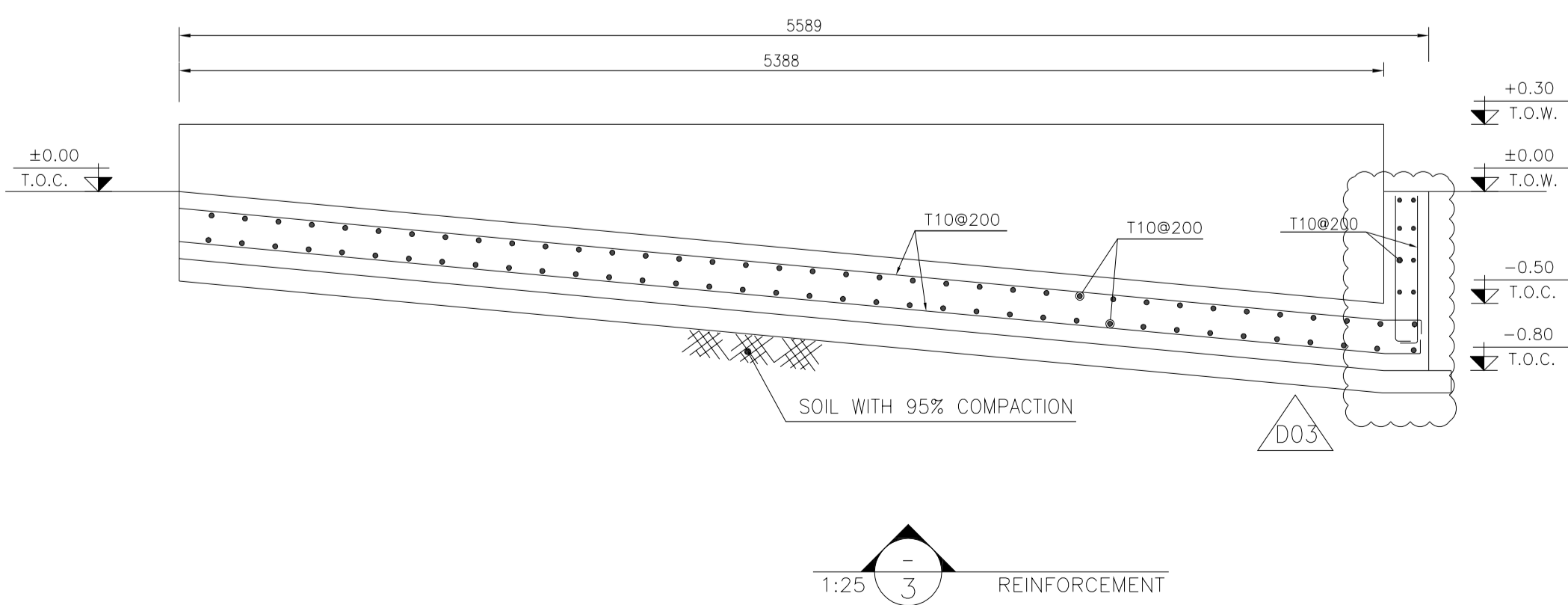
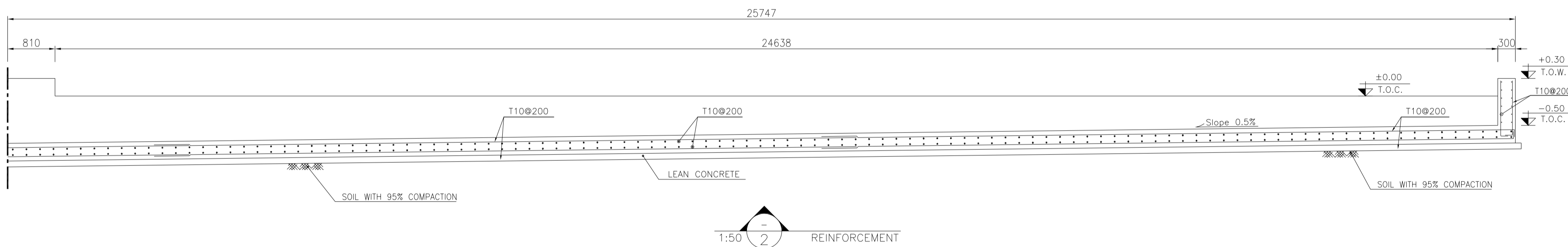
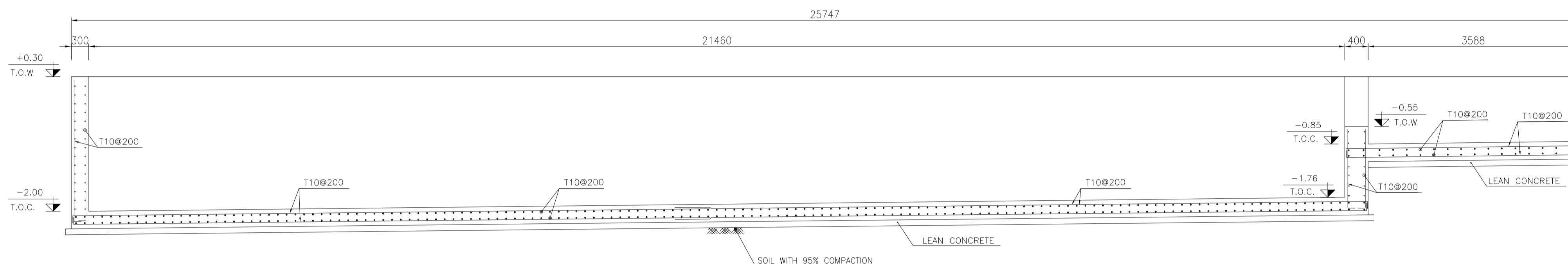
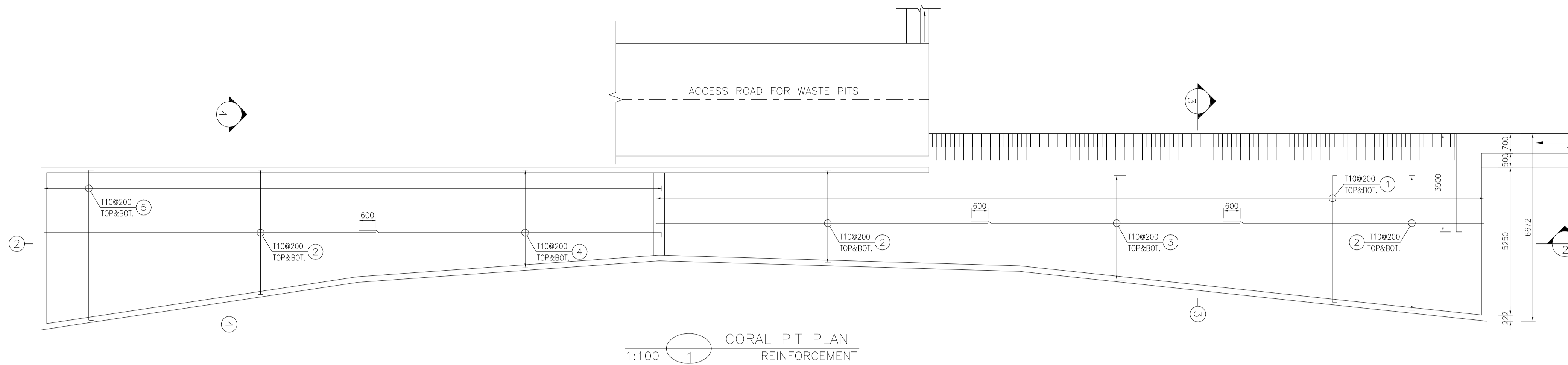
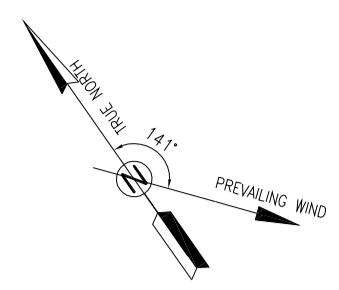
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WALL FORMWORK PLAN

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

APPROVED FOR CONSTRUCTION	BY:	DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	16 OF 101	D03	053-073-9184	F	4	S	708209	16	D03



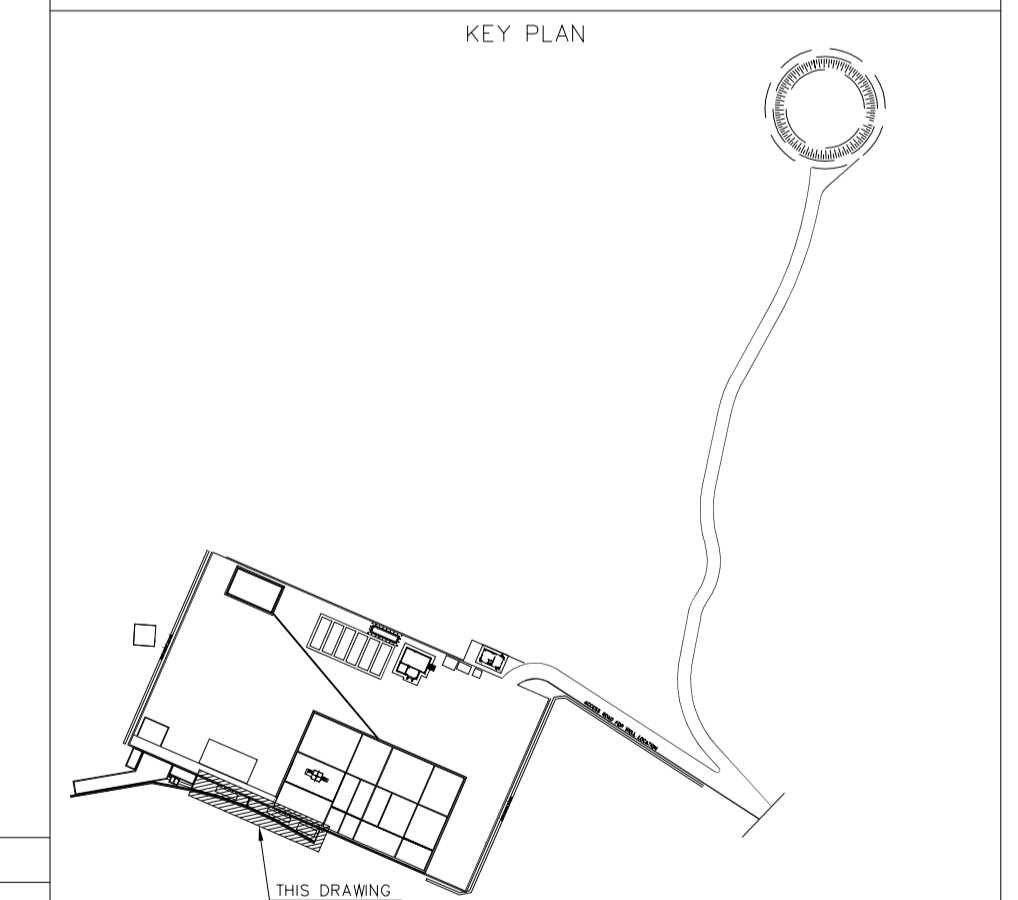
- NOTES**
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE:
DENSITY : 4.1-5.1 gr/cm³
THICKNESS : 300-400 MICRON
GLOSS : DULL
SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2
SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WEATHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
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HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		

T.O.F. TOP OF FOUNDATION
T.O.W. TOP OF WALL
T.O.C. TOP OF CONCRETE
T.O.PIT TOP OF PIT
B.O.P. BOTTOM OF PIPE
R.G.L. ROUGH GRADING LEVEL
T.O.R. TOP OF ROAD

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
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SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 SECTION REINFORCEMENT PLAN

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	17 OF 101	D03	053-073-9184	F	4	S	708209	17	D03

NOTES

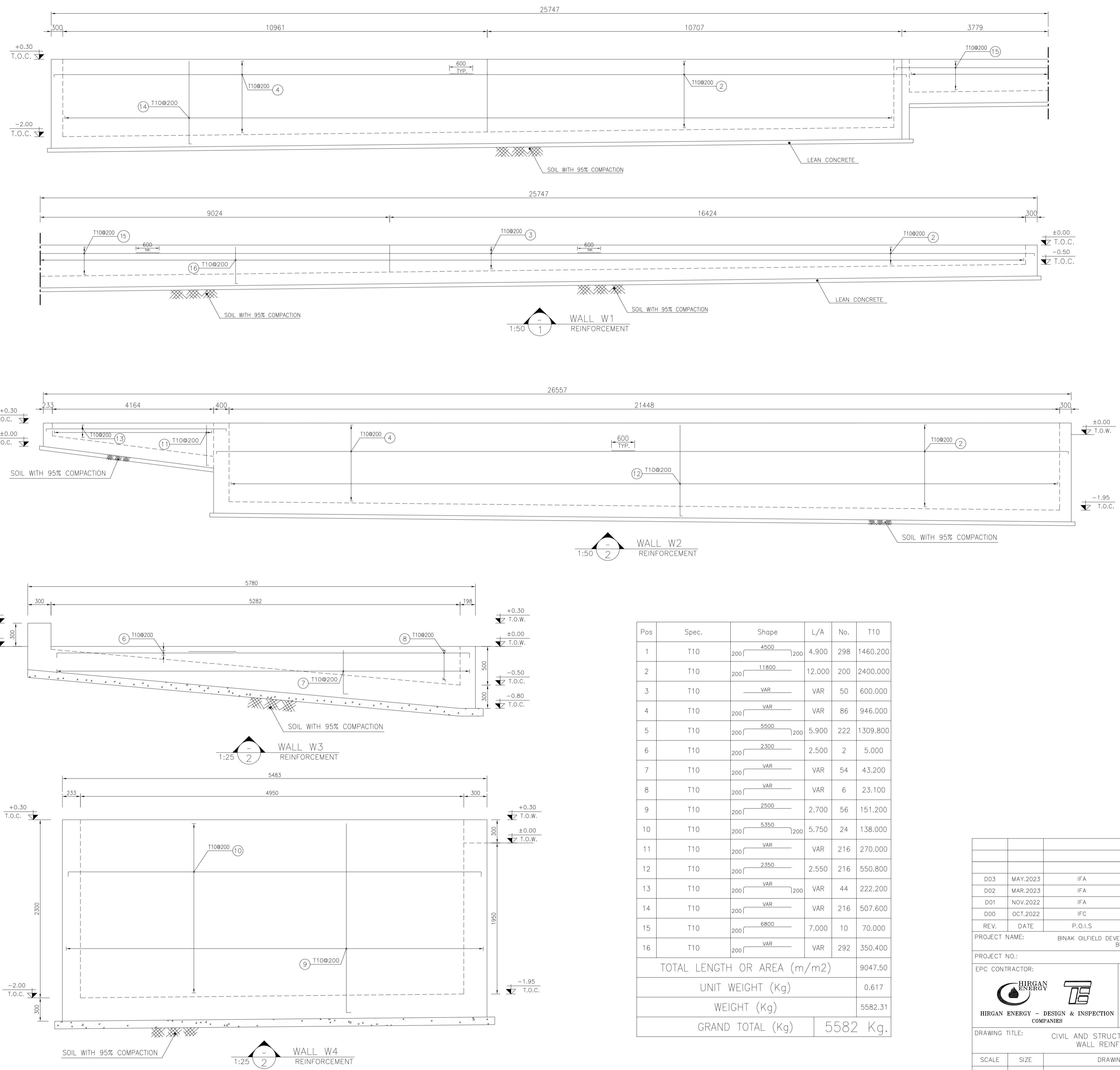
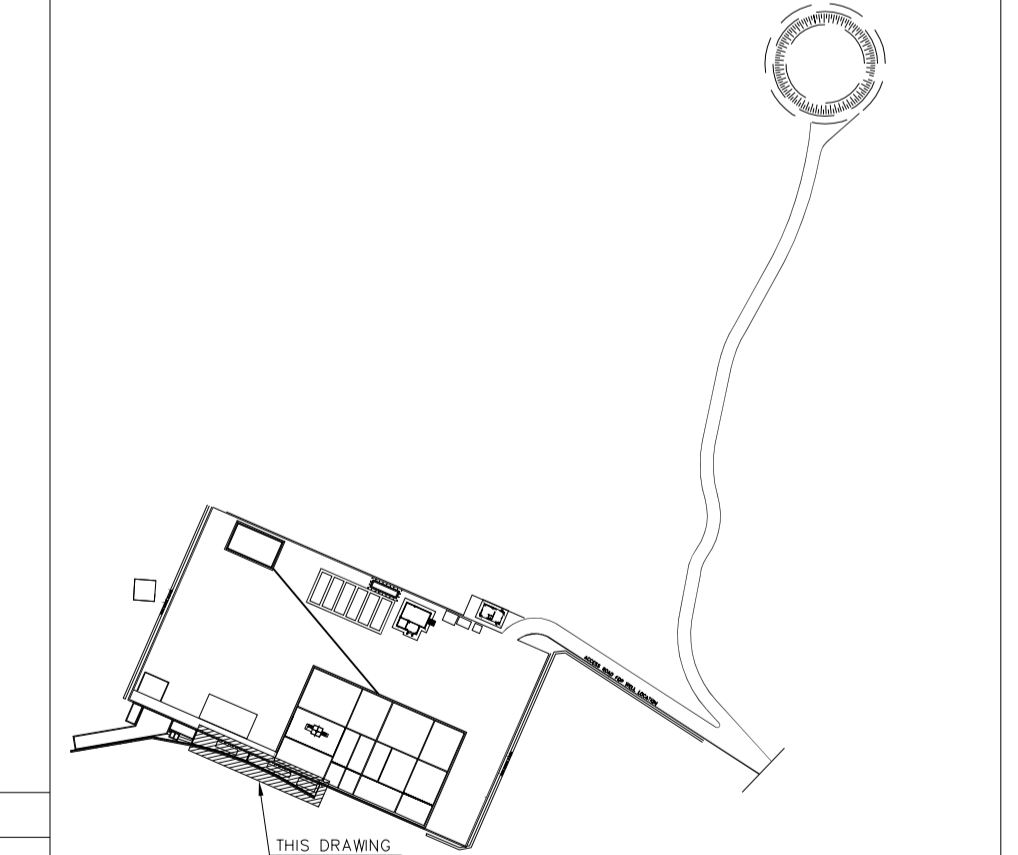
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- 11- GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

- | | | | |
|---------|---------------------|--|------------------------|
| | REINFORCED CONCRETE | | SUB GRADE |
| | LEAN CONCRETE | | SLOPE |
| | CEMENT BLOCK WALL | | EXISTING CONCRETE AREA |
| | GRAVEL | | |
| T.O.F. | TOP OF FOUNDATION | | |
| T.O.W. | TOP OF WALL | | |
| T.O.C. | TOP OF CONCRETE | | |
| T.O.PIT | TOP OF PIT | | |
| B.O.P. | BOTTOM OF PIPE | | |
| R.G.L. | ROUGH GRADING LEVEL | | |
| T.O.R | TOP OF ROAD | | |

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
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SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWINGGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWINGGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

KEY PLAN



Pos	Spec.	Shape	L/A	No.	T10
1	T10	200 4500 200	4.900	298	1460.200
2	T10	200 11800 200	12.000	200	2400.000
3	T10	VAR	VAR	50	600.000
4	T10	200 VAR 200	VAR	86	946.000
5	T10	200 5500 200	5.900	222	1309.800
6	T10	200 2300 200	2.500	2	5.000
7	T10	200 VAR 200	VAR	54	43.200
8	T10	200 VAR 200	VAR	6	23.100
9	T10	200 2500 200	2.700	56	151.200
10	T10	200 5350 200	5.750	24	138.000
11	T10	200 VAR 200	VAR	216	270.000
12	T10	200 2350 200	2.550	216	550.800
13	T10	200 VAR 200	VAR	44	222.200
14	T10	200 VAR 200	VAR	216	507.600
15	T10	200 6800 200	7.000	10	70.000
16	T10	200 VAR 200	VAR	292	350.400
TOTAL LENGTH OR AREA (m/m2)					9047.50
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					5582.31
GRAND TOTAL (Kg)					5582 Kg.

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

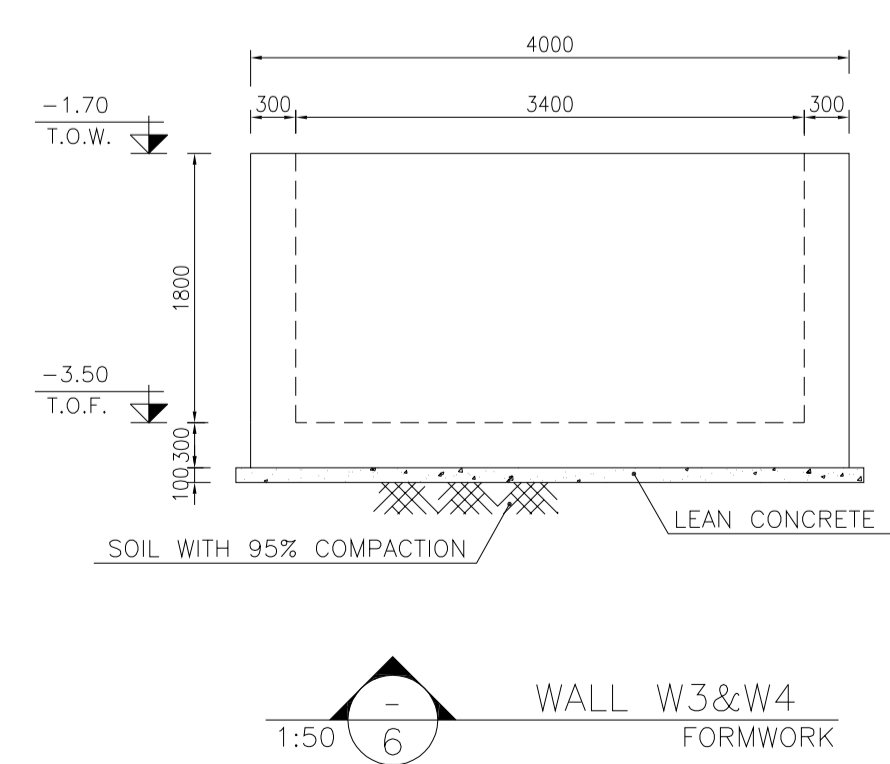
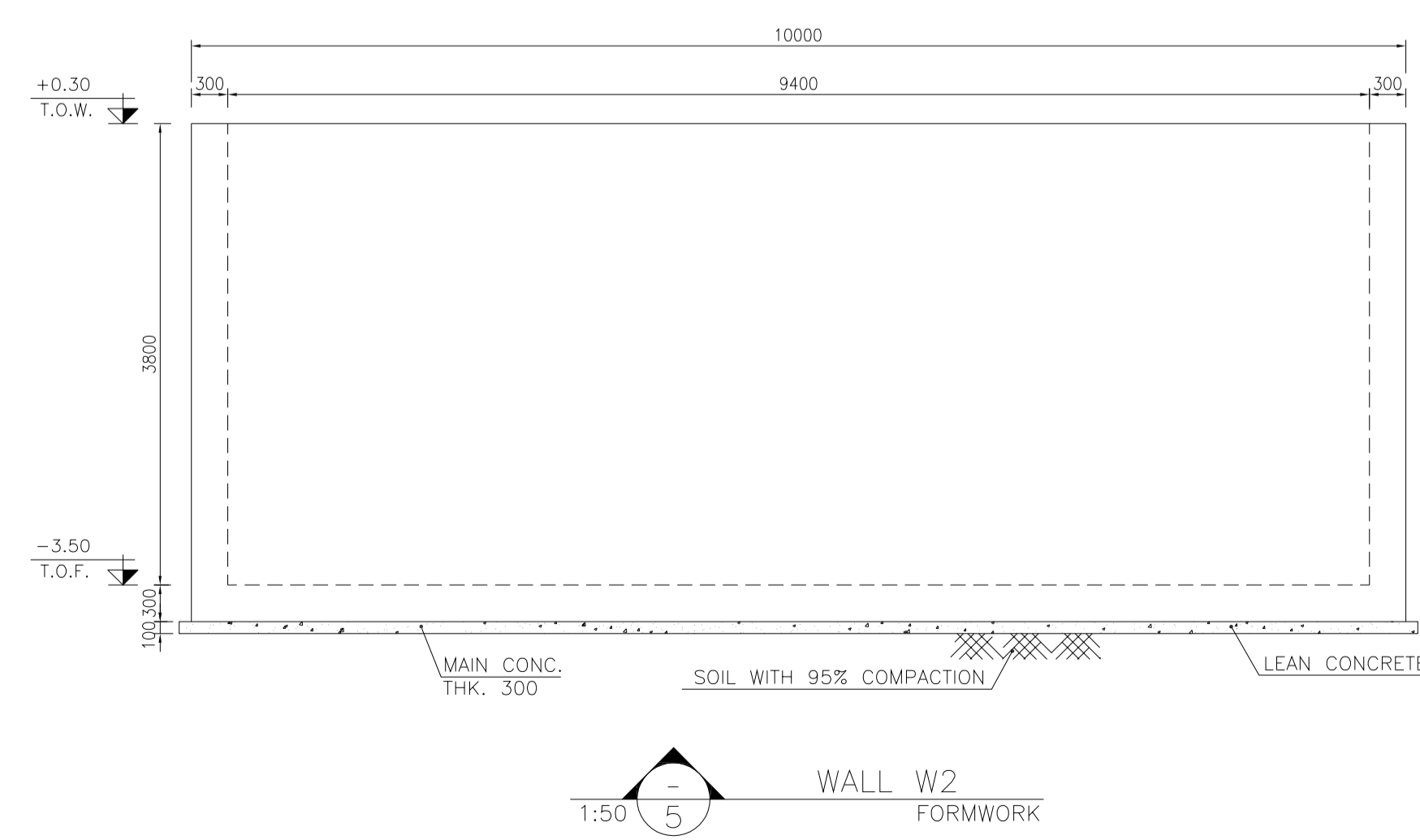
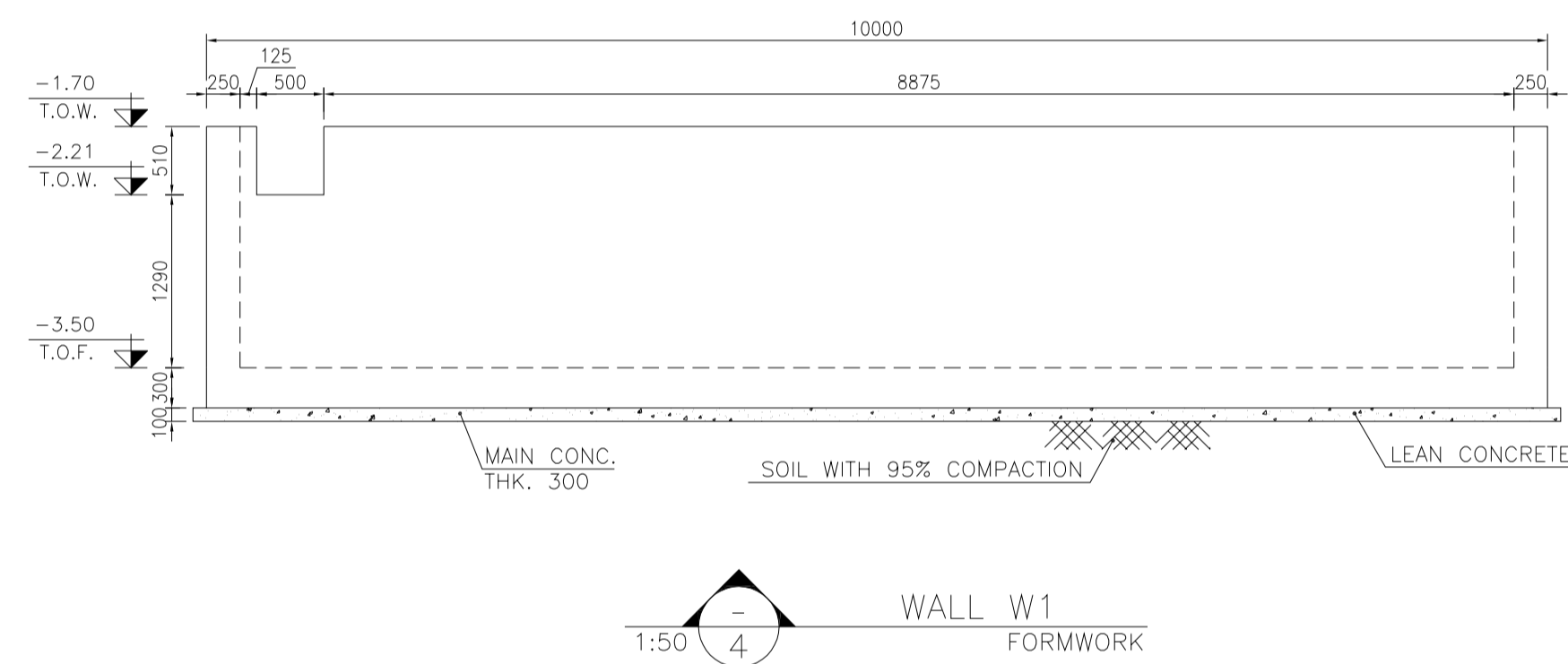
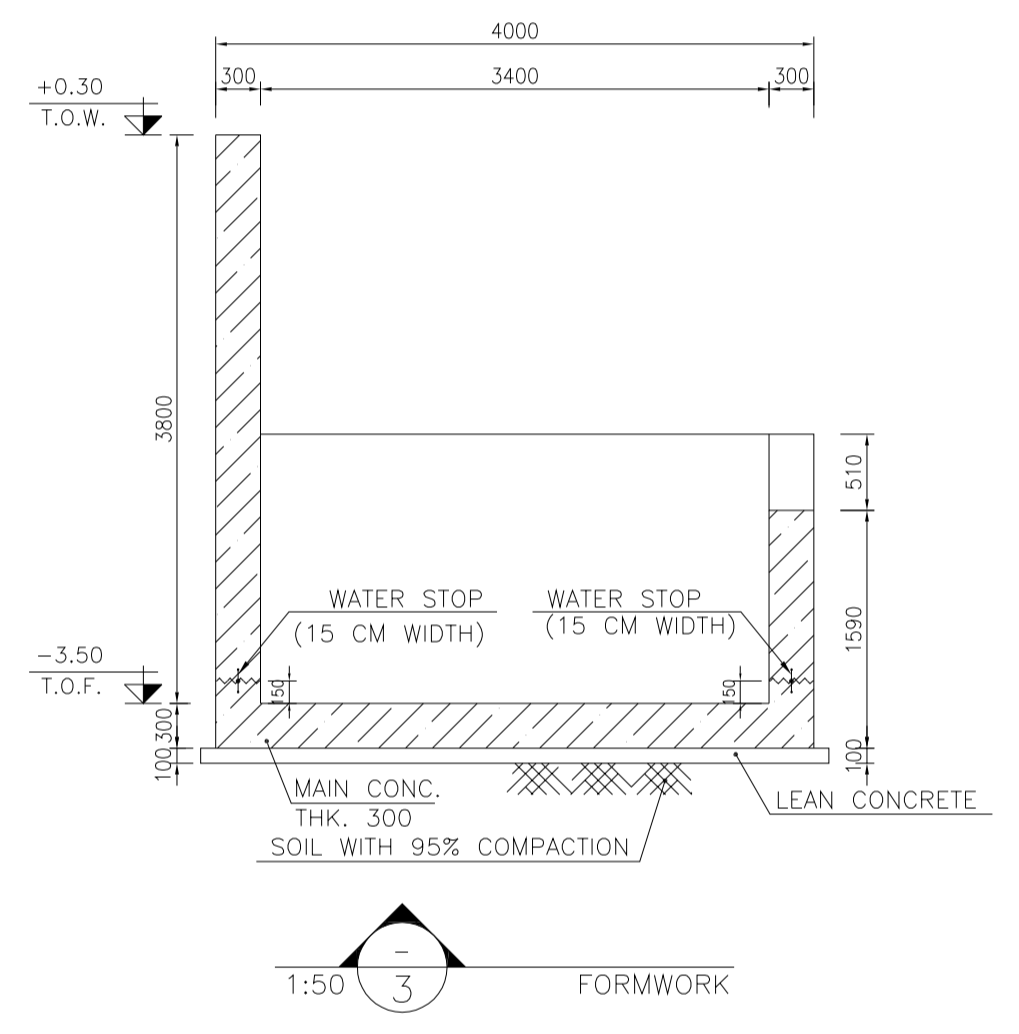
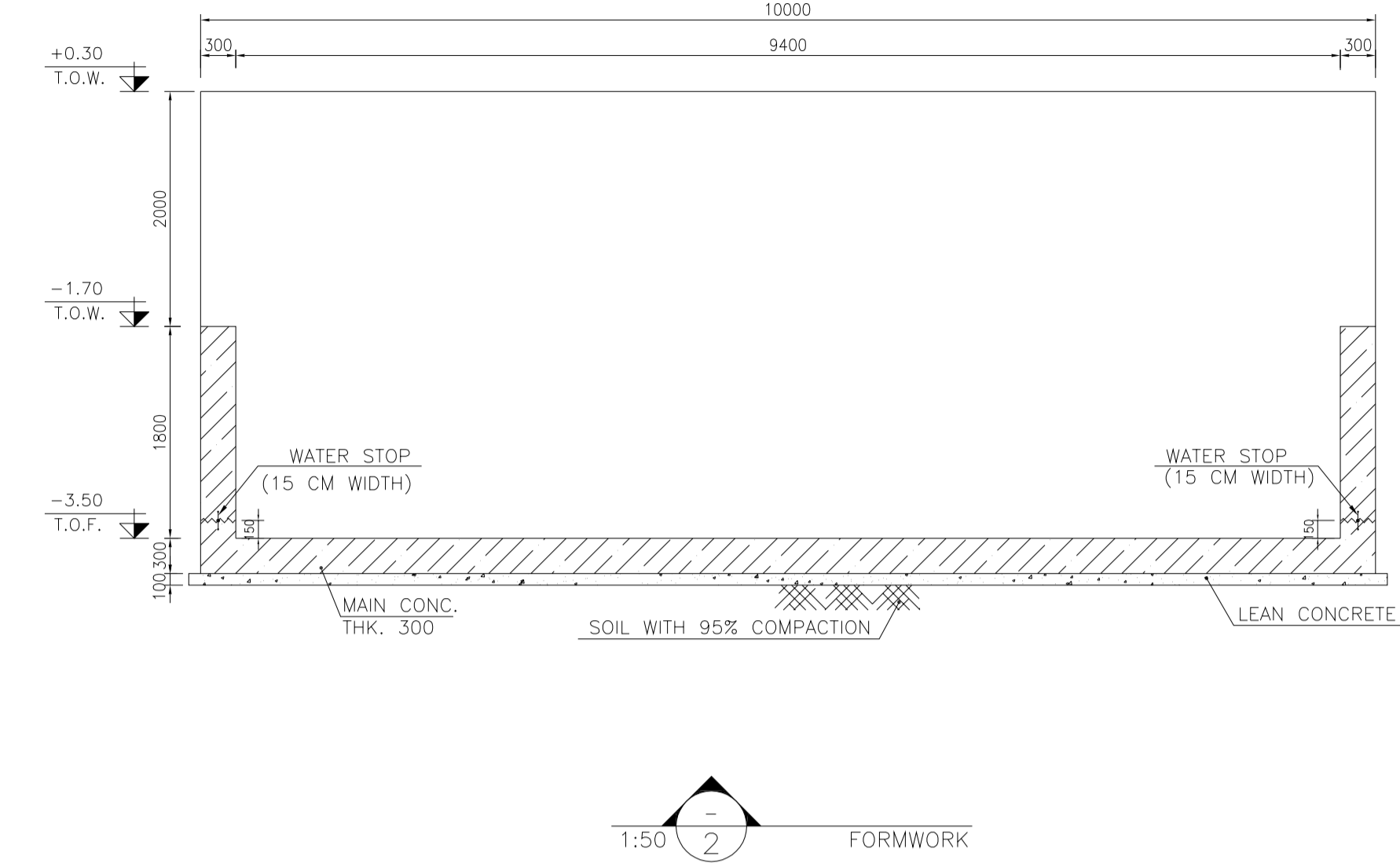
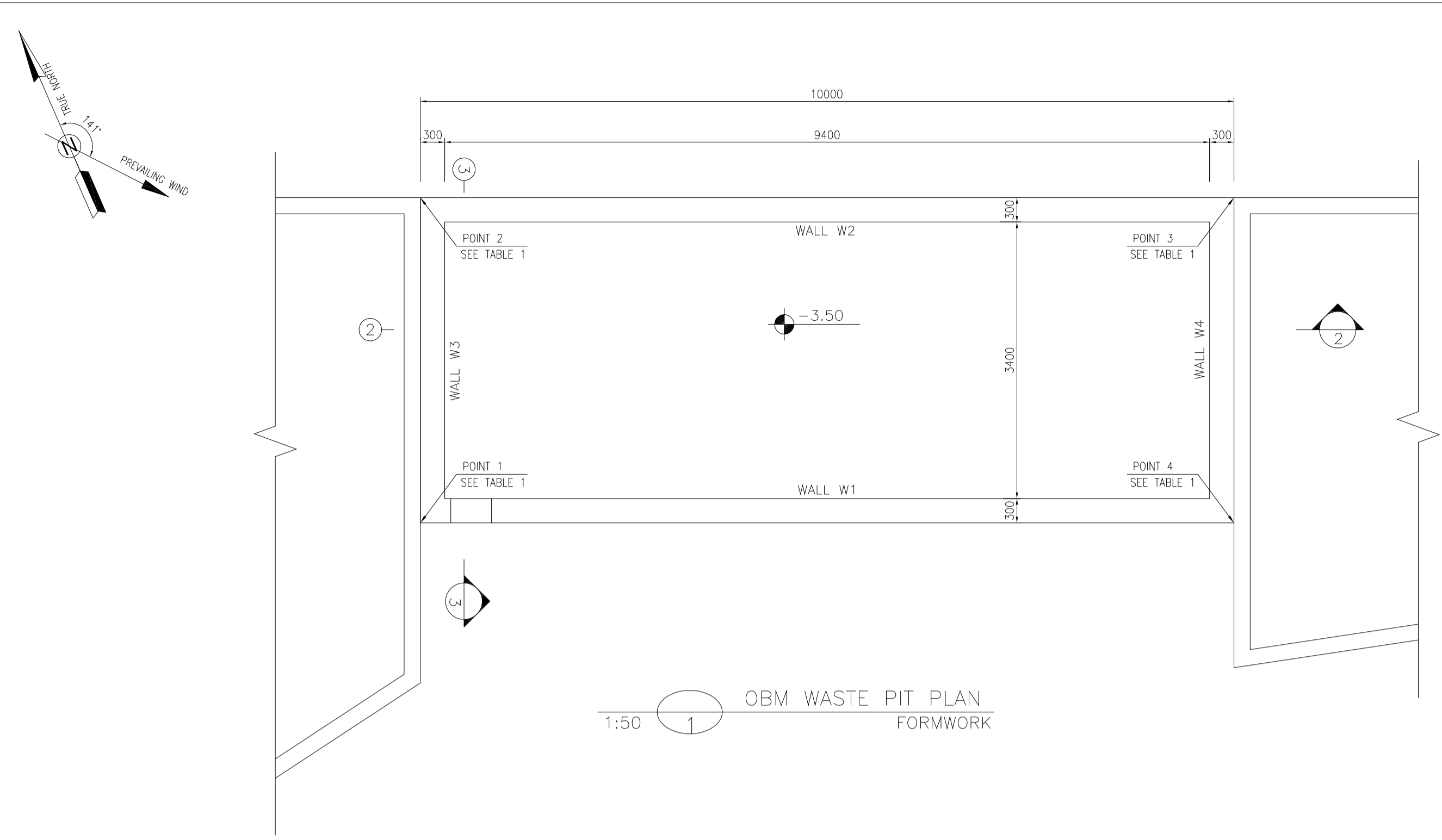
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WALL REINFORCEMENT PLAN

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	18 OF 101	D03	053-073-9184	F	4	S	708209	18	D03



- NOTES**
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISR13132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
 - SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
 - JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
 - CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
 - 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: MSL
 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
	T.O.F.		TOP OF FOUNDATION
	T.O.W.		TOP OF WALL
	T.O.C.		TOP OF CONCRETE
	T.O.PIT		TOP OF PIT
	B.O.P.		BOTTOM OF PIPE
	R.G.L.		ROUGH GRADING LEVEL
	T.O.R		TOP OF ROAD

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWINGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR DIESEL GENERATOR TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

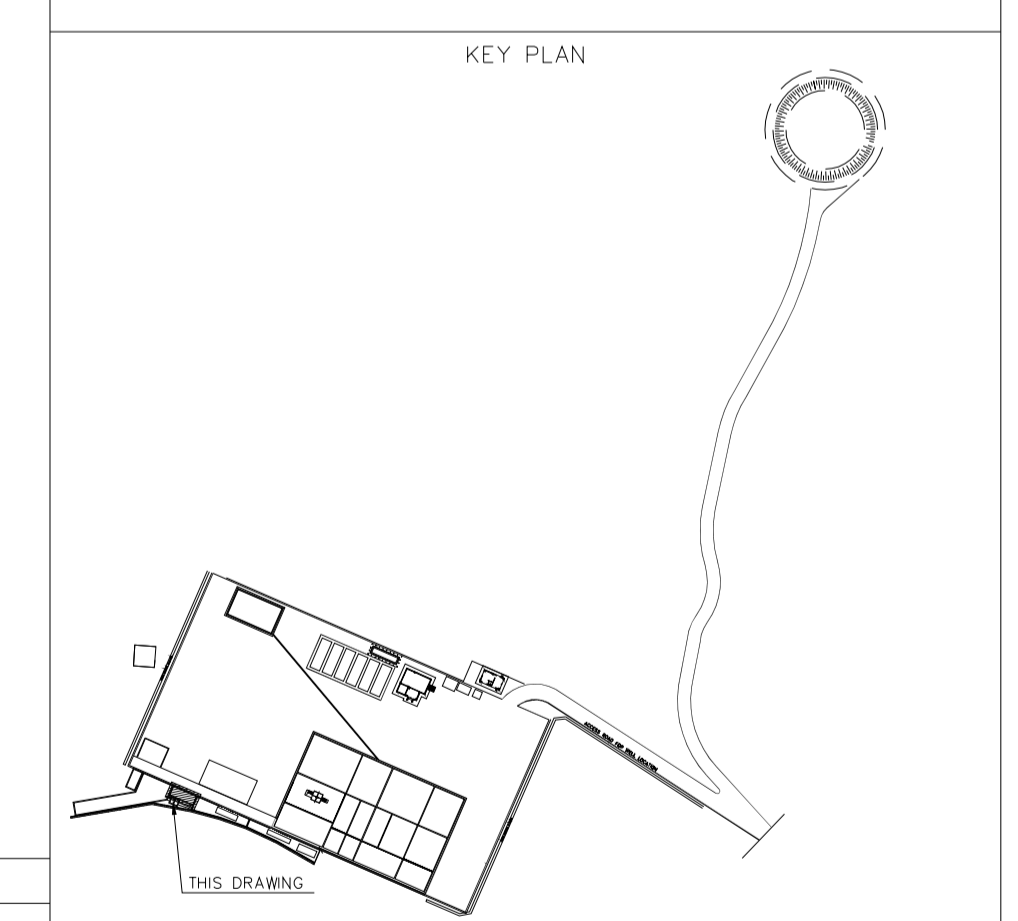


TABLE 1 (CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437776.896	N=3295004.333
POINT 2	E=437778.495	N=3295008.000
POINT 3	E=437787.661	N=3295004.003
POINT 4	E=437786.063	N=3295000.337

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

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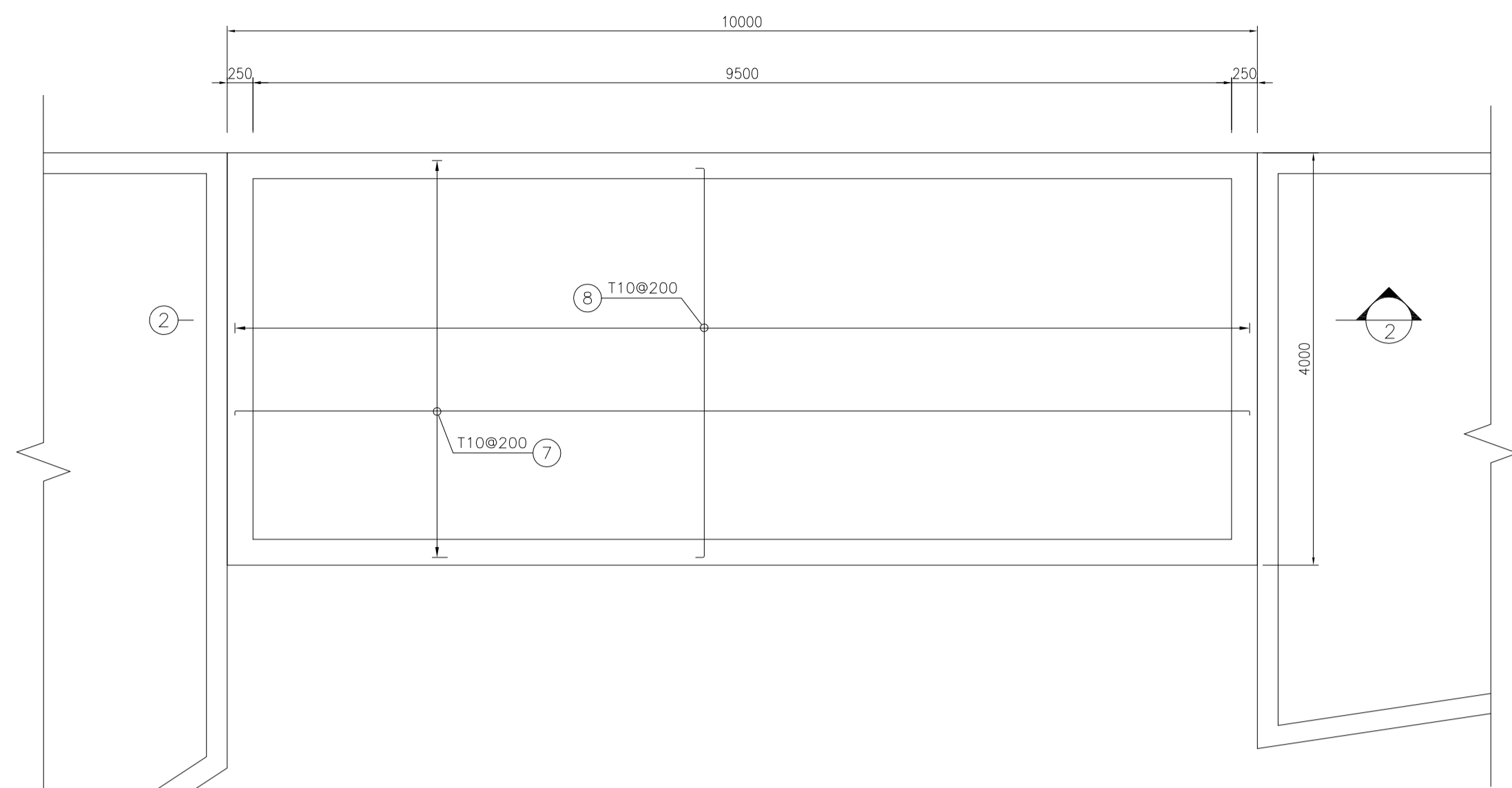
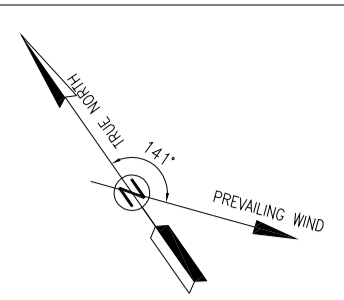
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

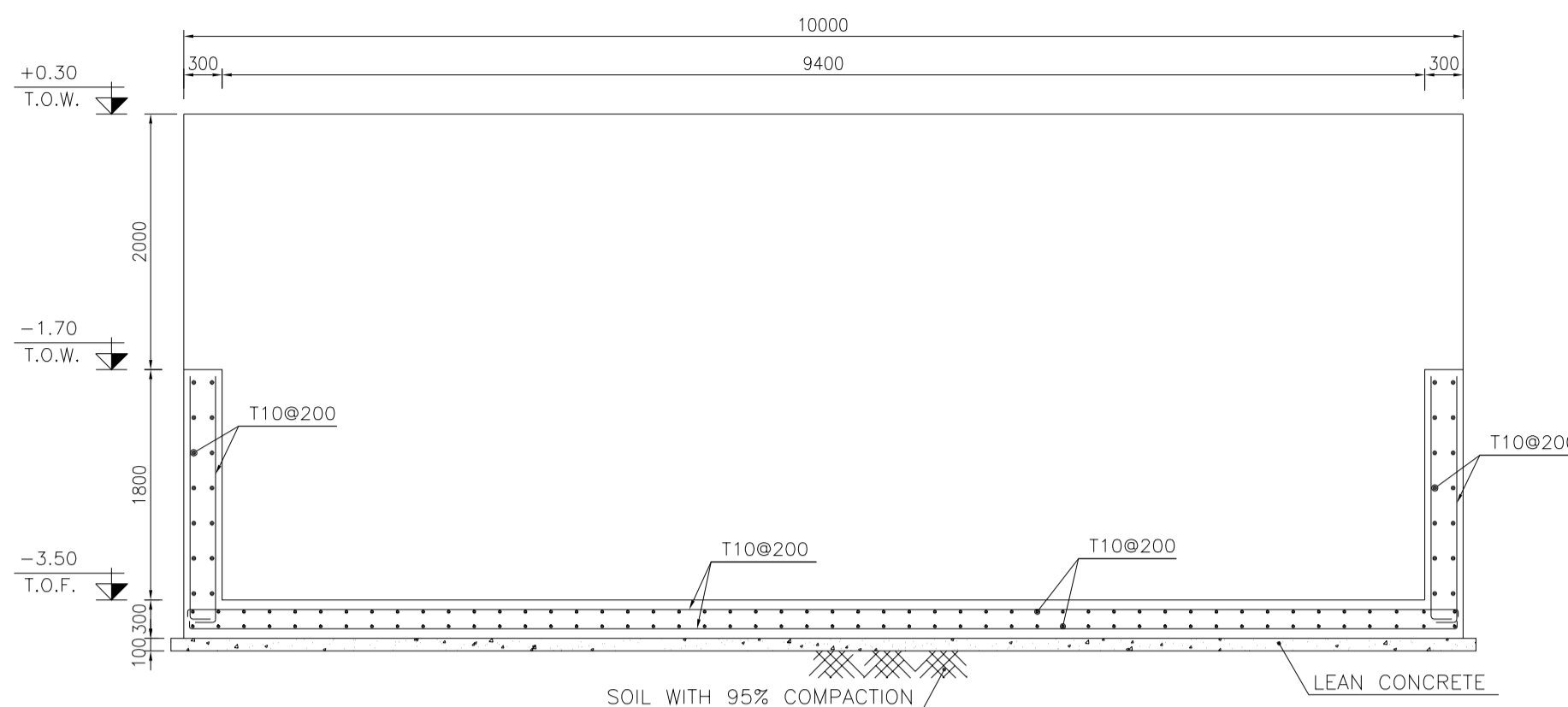
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 OBM WASTE PIT FORMWORK PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

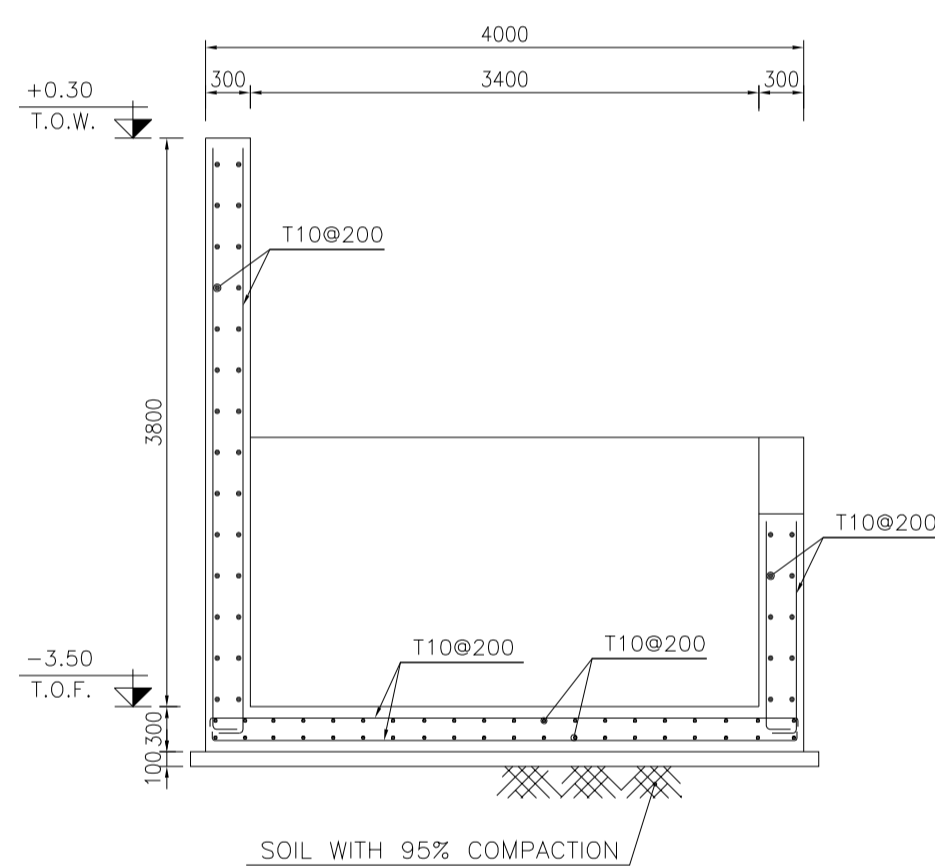
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	19 OF 101	D03	053-073-9184	F	4	S	708209	19	D03



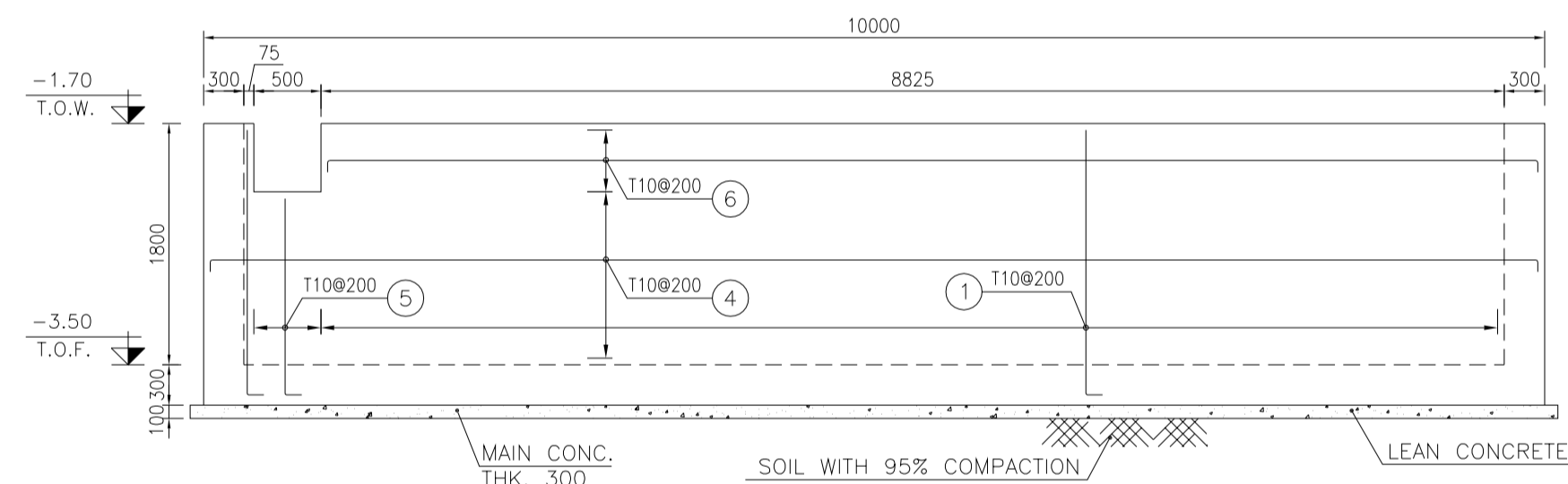
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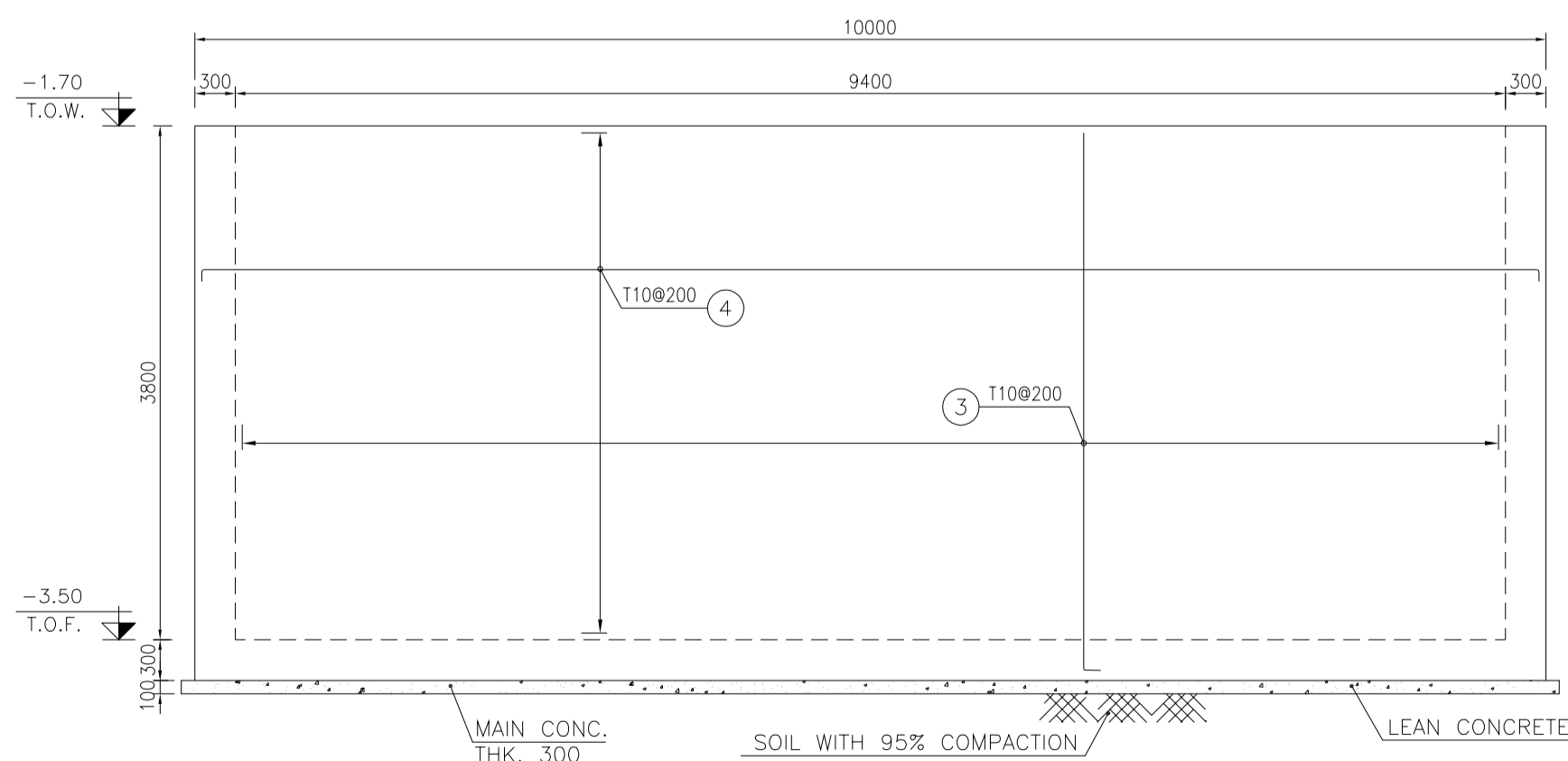
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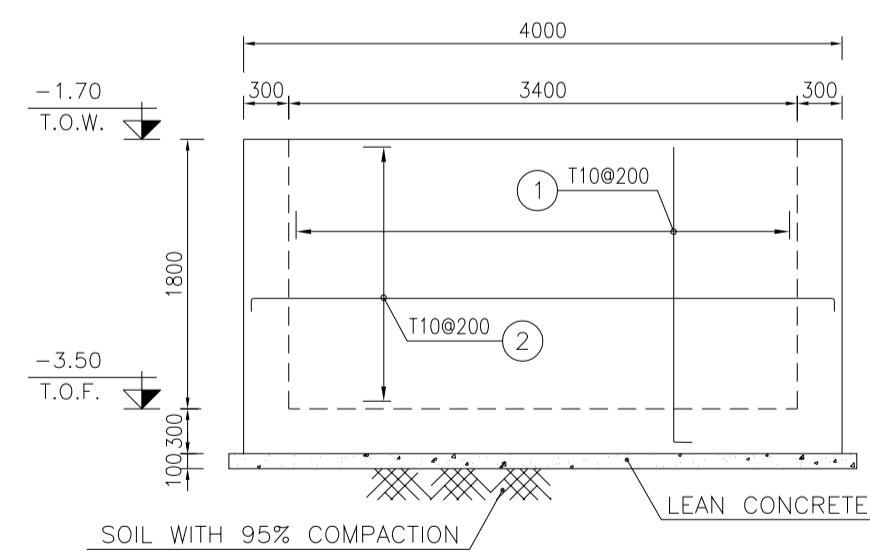
1:50 (3) REINFORCEMENT



1:50 (4) WALL W1 REINFORCEMENT



1:50 (5) WALL W2 REINFORCEMENT



1:50 (6) WALL W3&W4 REINFORCEMENT

NOTES

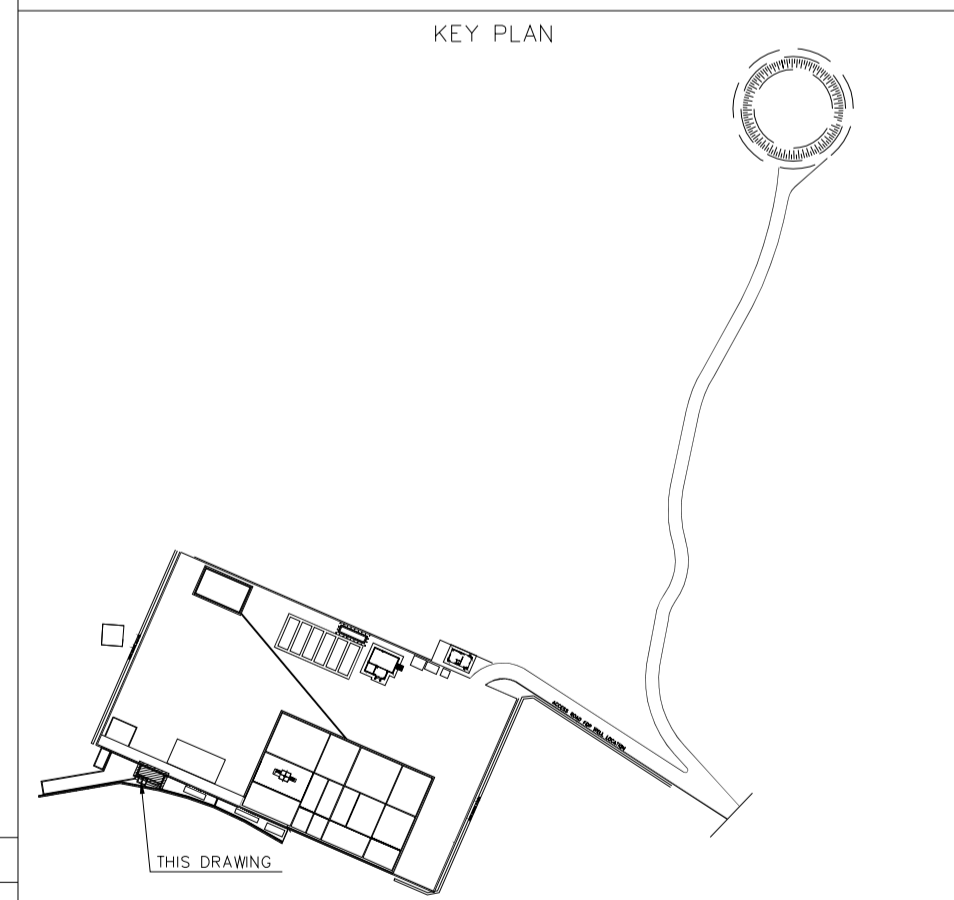
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MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
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R.G.L.	ROUGH GRADING LEVEL		
T.O.R	TOP OF ROAD		

REFERENCE DRAWING	DRG. No.
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GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
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FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

Pos	Spec.	Shape	L/A	No.	T10
1	T10	200x2000	2.200	166	365.200
2	T10	200x3900	4.300	40	172.000
3	T10	200x4000	4.200	96	403.200
4	T10	200x9900	10.300	56	576.800
5	T10	200x1500	1.700	8	13.60
6	T10	200x9050	9.450	6	56.700
7	T10	200x9850	10.250	42	430.500
8	T10	200x3850	4.250	102	433.500
TOTAL LENGTH OR AREA (m/m ²)					2465.10
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					1520.97
GRAND TOTAL (Kg)					1530 Kg.



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: **HIRGAN ENERGY** - DESIGN & INSPECTION COMPANIES

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

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 OBM WASTE PIT REINFORCEMENT PLAN-SECTION

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	20 OF 101	D03	053-073-9184	F	4	S	708209	20	D03

املا و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.

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DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

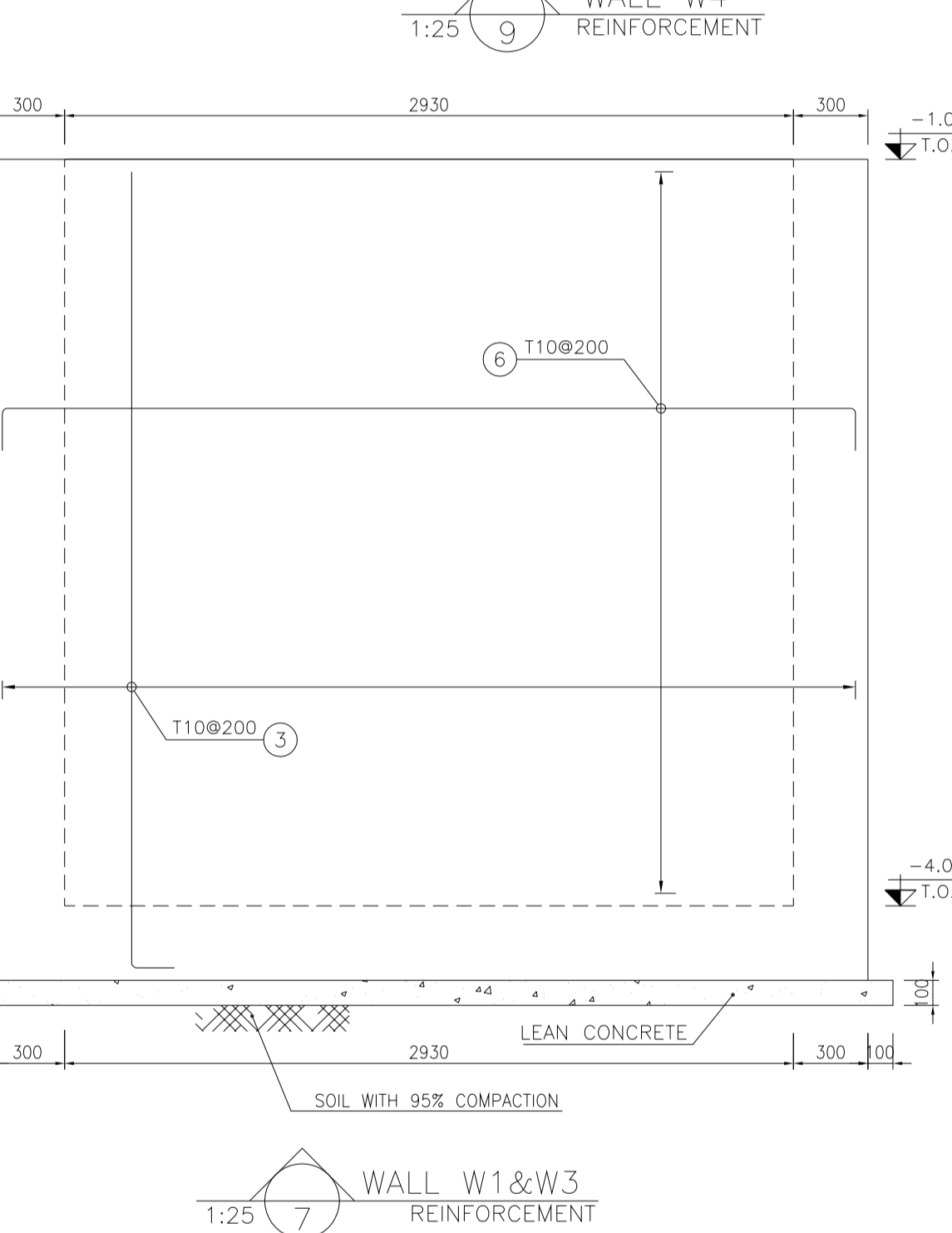
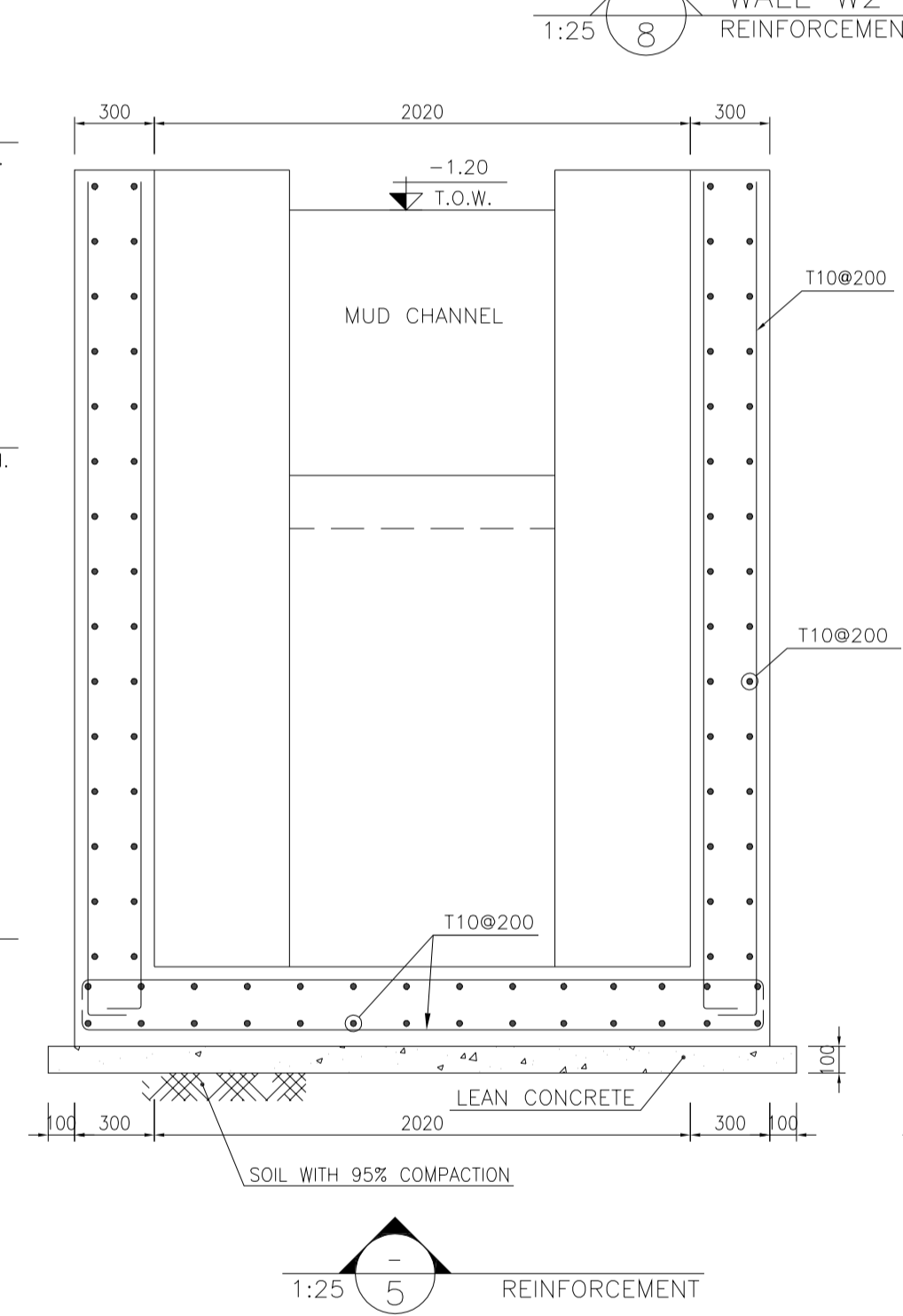
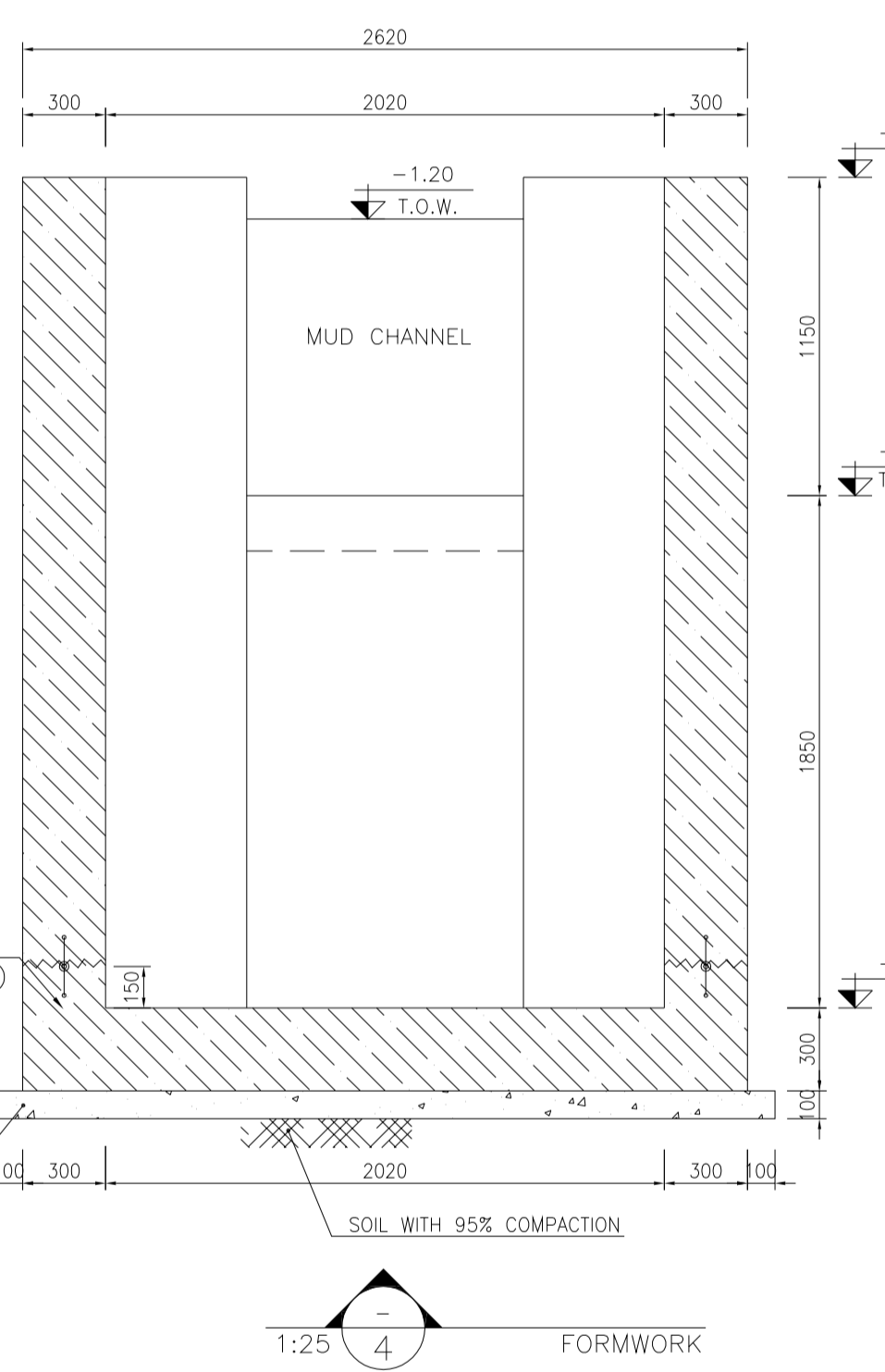
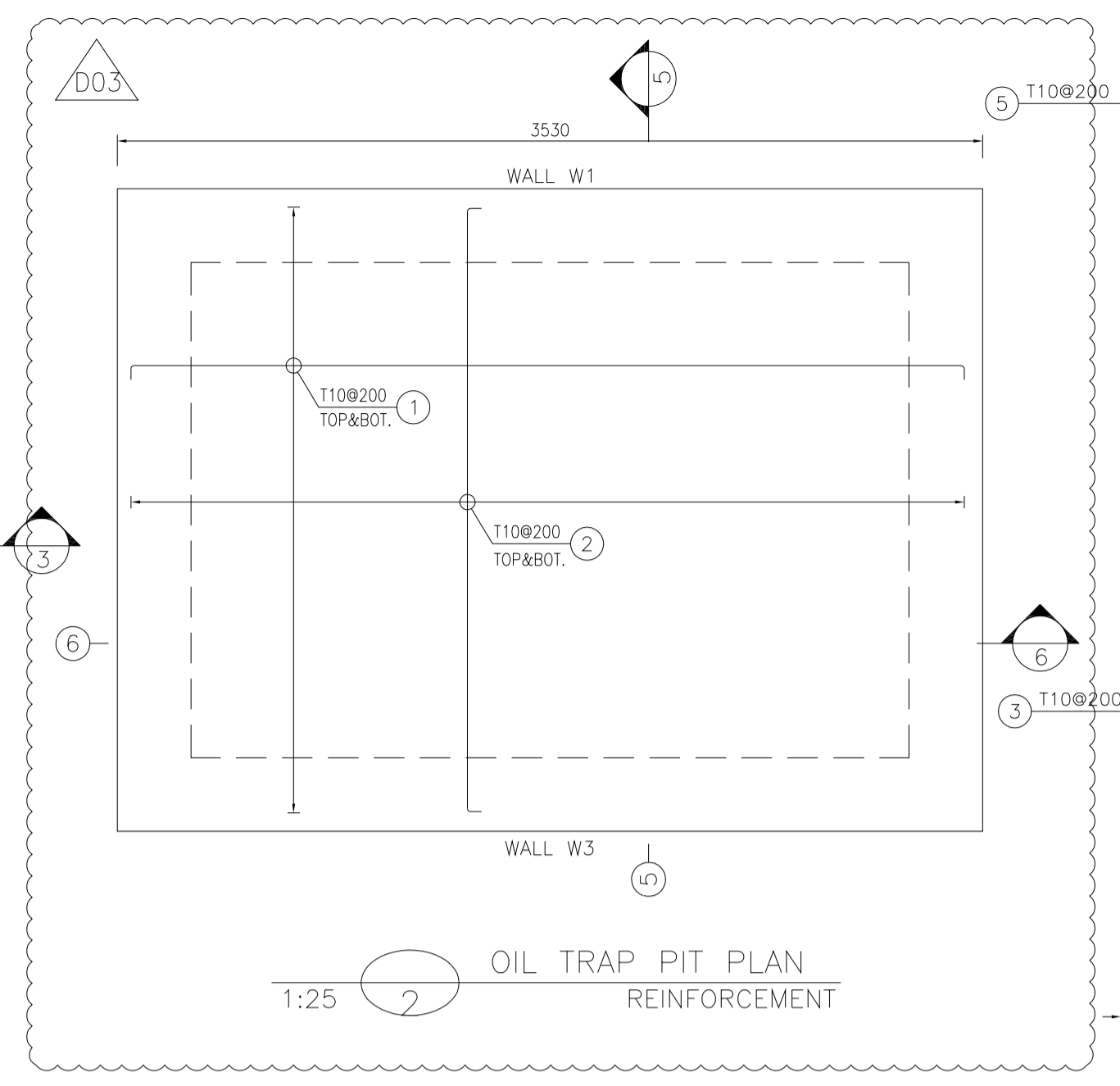
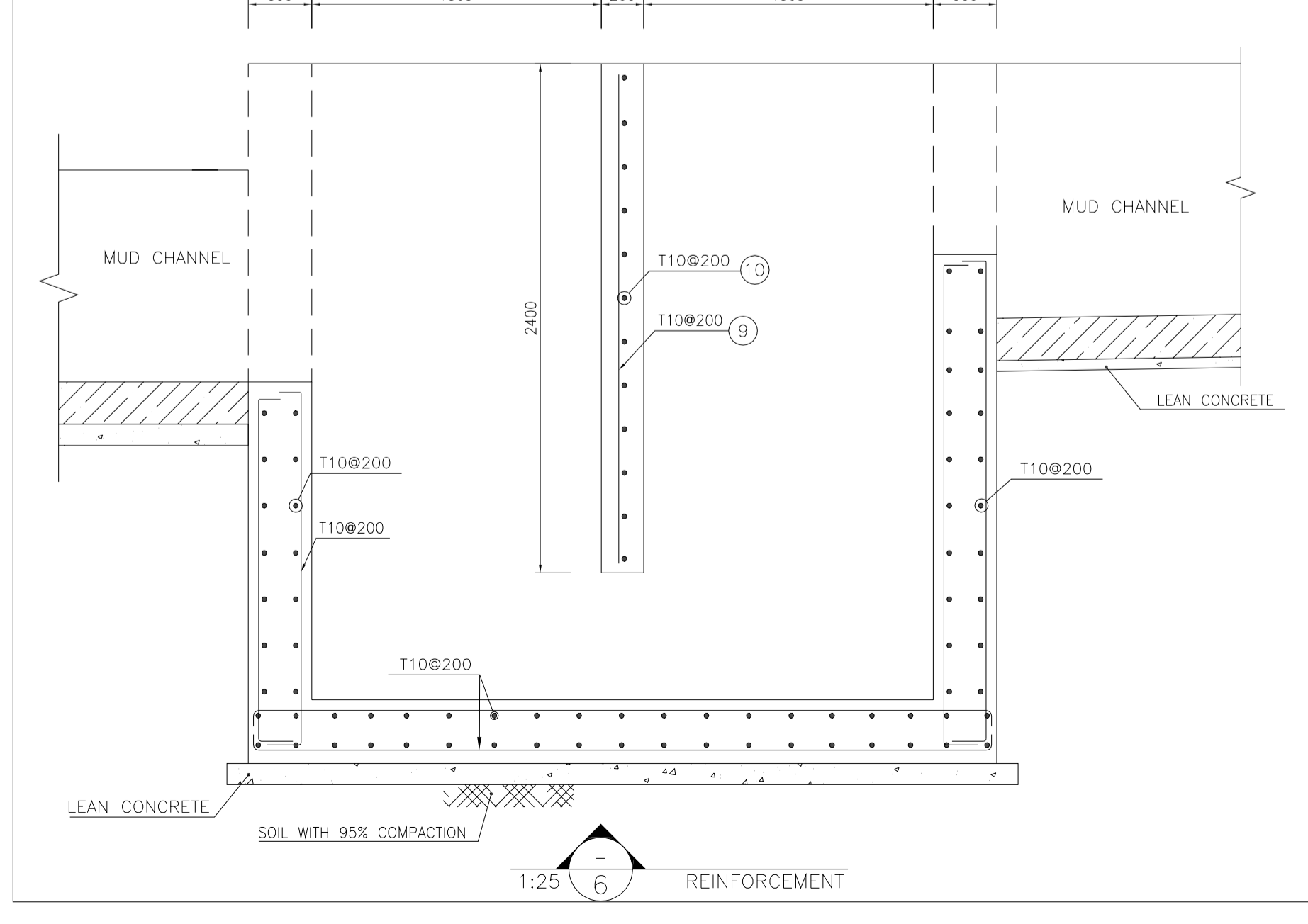
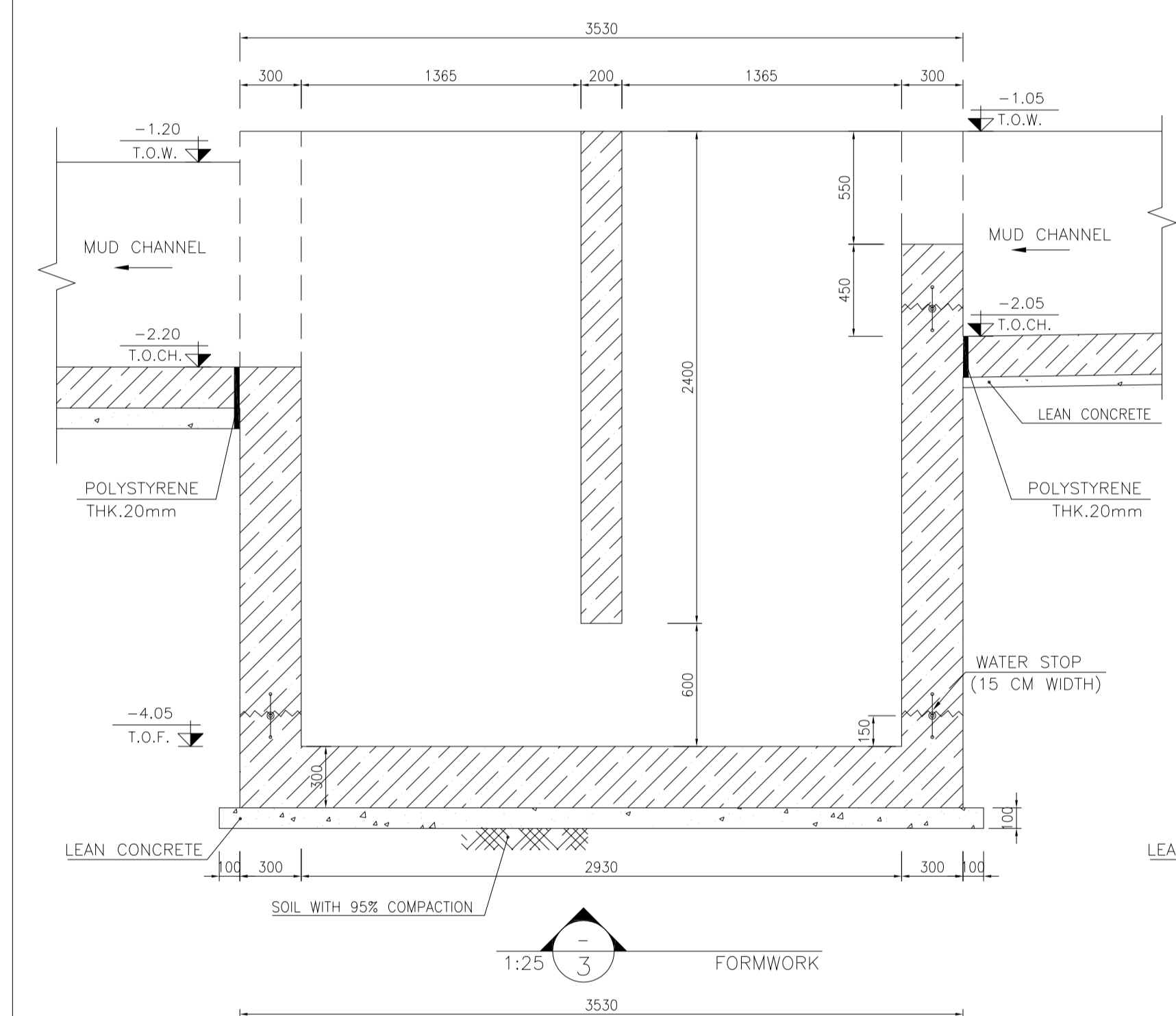
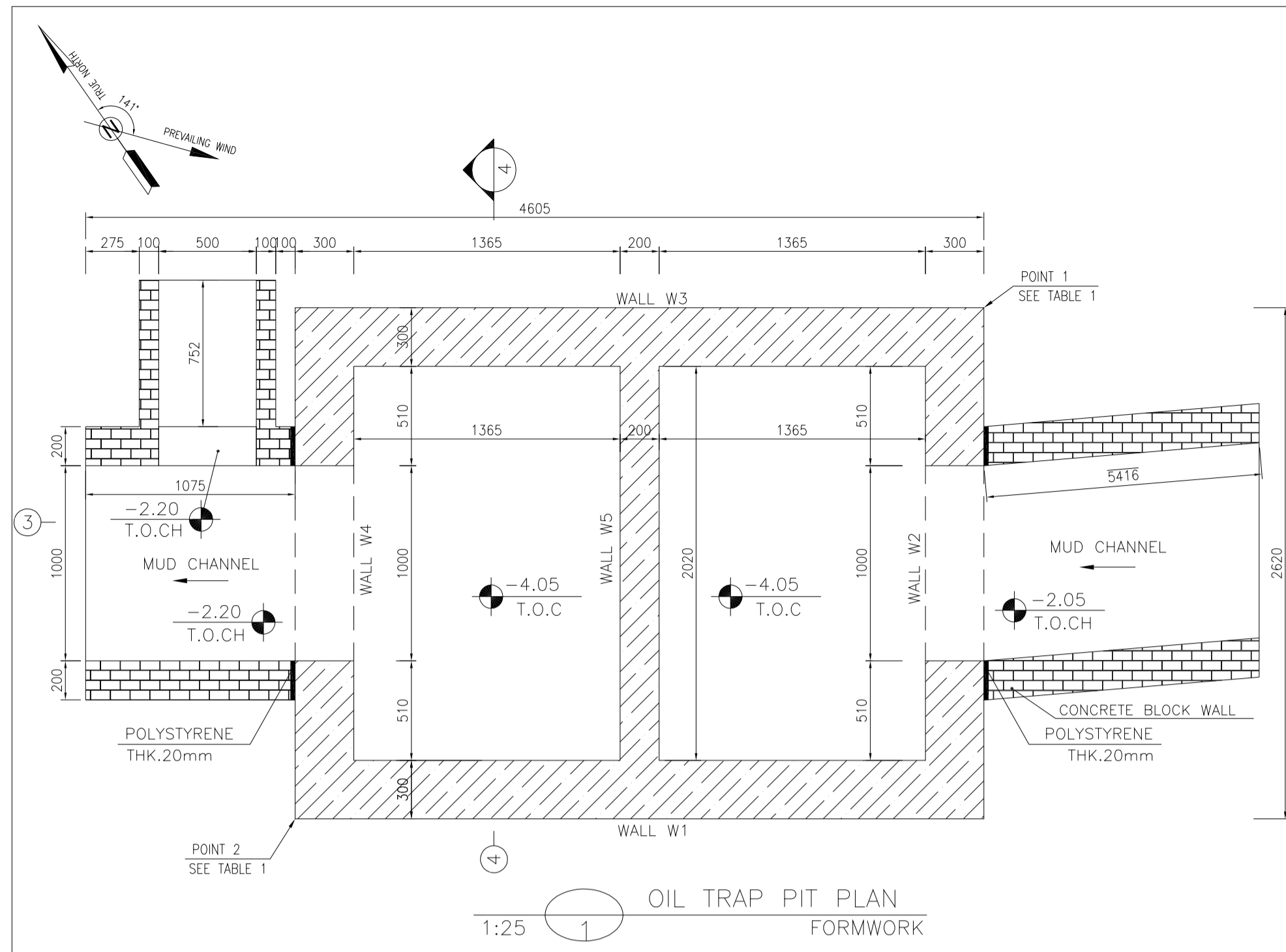


TABLE 1
(CORNERS COORDINATES)

POINT 1		
POINT 2		

Pos	Spec.	Shape	L/A	No.	T10
1	T10	150 3400 150	3.700	28	103.600
2	T10	150 2470 150	2.770	38	105.260
3	T10	150 3200 150	3.350	116	388.600
4	T10	150 2600 150	2.900	40	116.000
5	T10	150 810 150	1.110	48	53.280
6	T10	150 3550 150	3.850	72	277.200
7	T10	150 2650 150	2.800	12	33.600
8	T10	150 1700 150	1.850	12	22.200
9	T10	150 2400 150	2.400	11	26.400
10	T10	150 2050 150	2.050	13	26.650
TOTAL LENGTH OR AREA (m/m ²)					1152.79
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					711.27
GRAND TOTAL (Kg)					711 Kg.

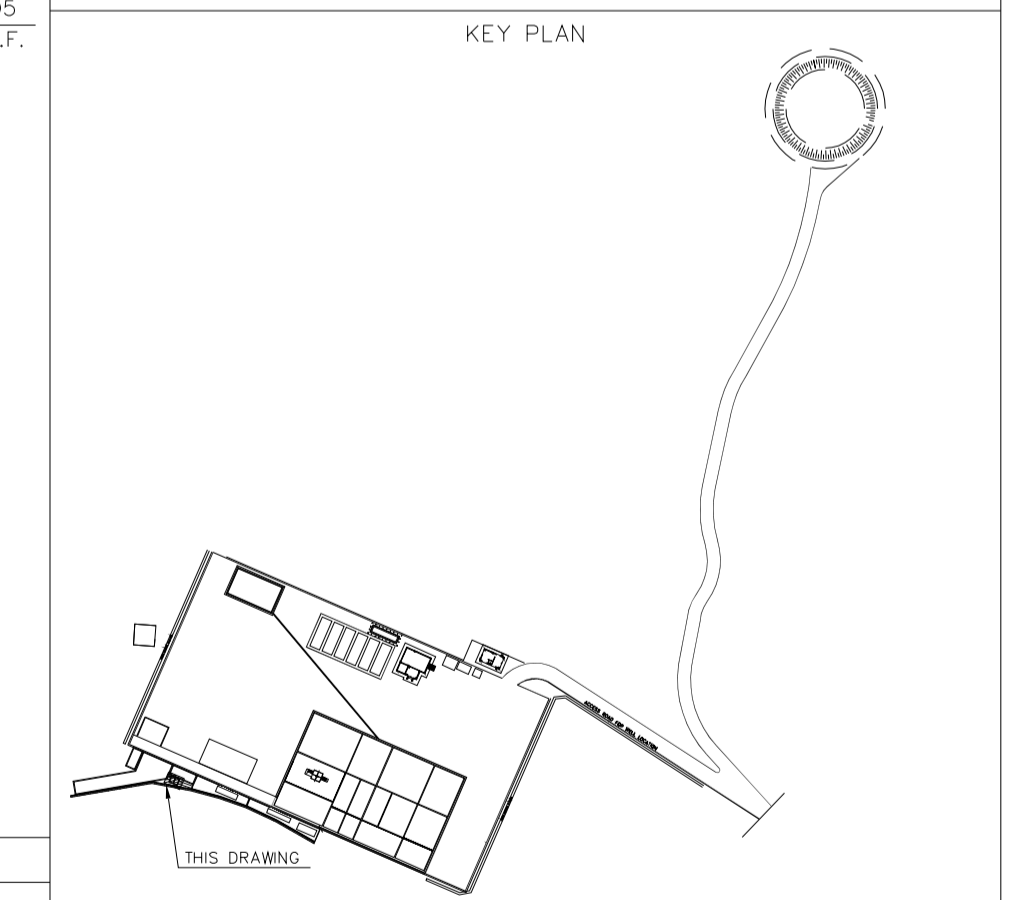
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±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
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FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 OIL TRAP PIT FORMWORK & REINFORCEMENT PLAN-SECTIONS

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	21 OF 101	D03	053-073-9184	F	4	S	708209	21	D03

REV. DESCRIPTION BY DATE BY DATE

CHECKED DATE

REV. APPR.

اسم و کليه نسخ اين نقشه و حق اقتباس متعلق به شرکت مملی مناطق نفت خیز جنوب میباشد.

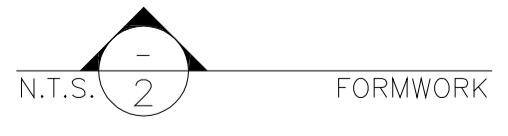
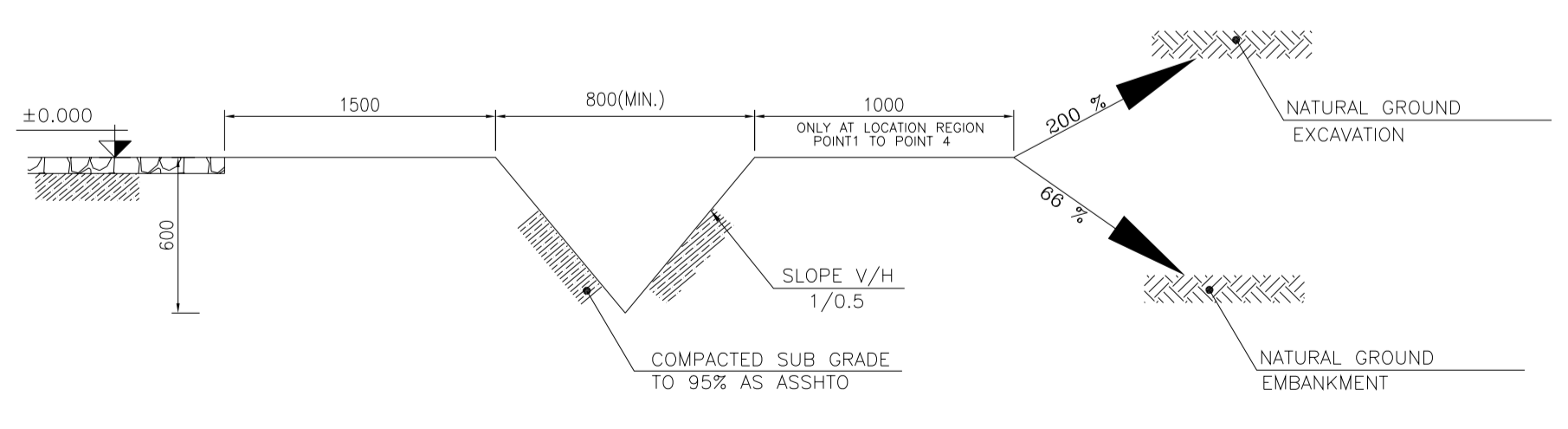
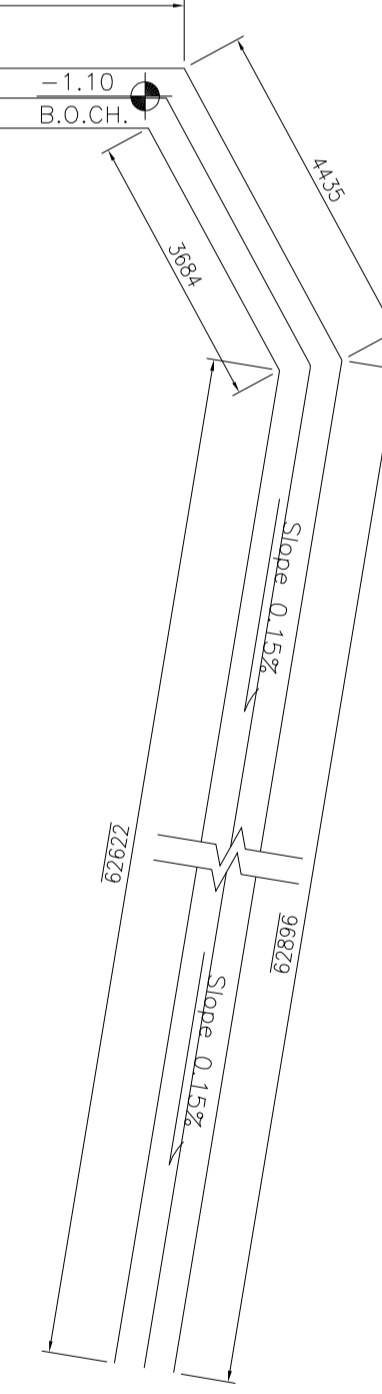
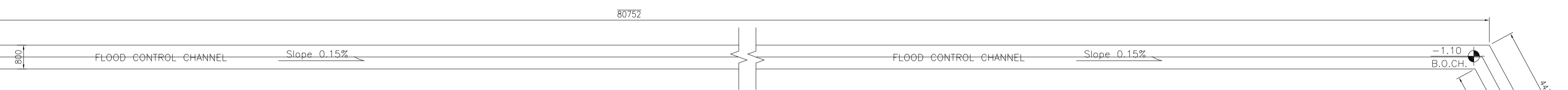
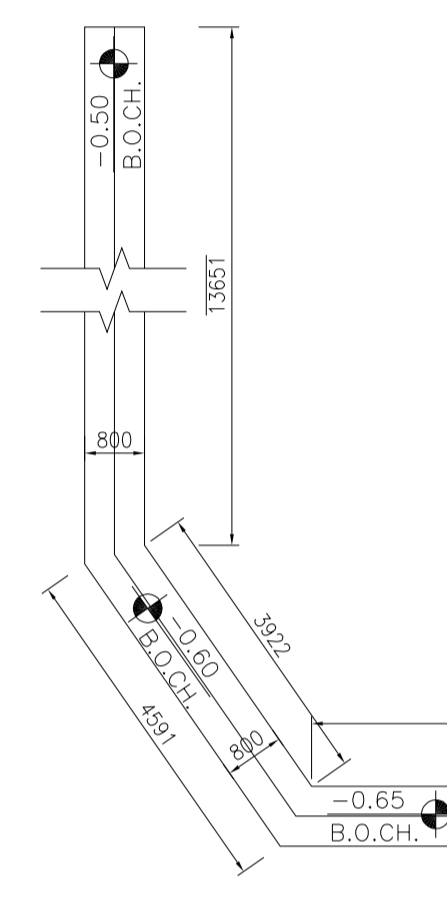
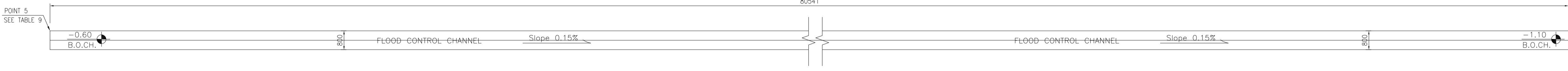
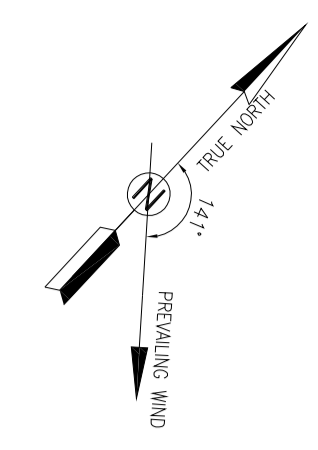
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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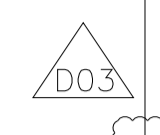
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:



NOTES

- 1- ALL COORDINATES ARE IN METER.
- 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
- 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
- 5- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
- 6- REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
- 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
- 8- SPECIFICATIONS OF THERMO PLAST ACRYLIC COLOR, BASED ON No.3758 NATIONAL STANDARD CODE: DENSITY : 4.1-5.1 gr/cm³ THICKNESS : 300-400 MICRON GLOSS : DULL SOLID MATERIAL PERCENTAGE BY WEIGHT : 75%±2 SOLID MATERIAL PERCENTAGE BY VOLUME : 48%±2
- 9- JOINT SEALANT MATERIALS SHALL BE WETHER-RESISTANT POLYURETHANE OR SILICONE SCH AS "AEROLASTIC 1674" OR SIMILAR AND SHALL CONFORM TO BS-4254 FOR VERTICAL JOINTS IN WALLS. THE FILLING MATERIAL MUST BE APPROVED BY THE WORKSHOP SUPERVISION
- 10- CONTRACTION JOINTS SHALL BE CONSIDERED IN CONCRETE SLABS EVERY 6m.
- 11- 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: MSL
- 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2. ±0.00 = +186.00(R.G.L.)MSL

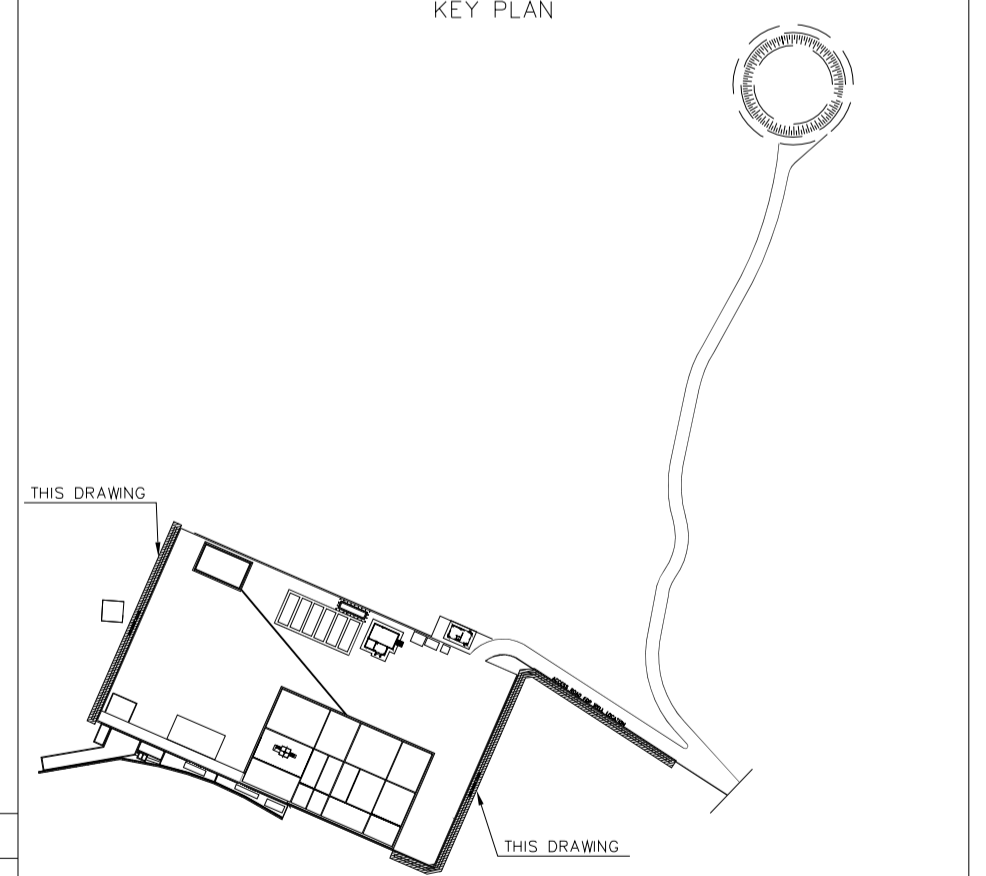


LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
T.O.C.	TOP OF CONCRETE		
T.O.PIT	TOP OF PIT		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
T.O.R	TOP OF ROAD		

REFERENCE DRAWING	DRG. No.
SPECIFICATION FOR FENCE & GATE	BK-GNRL-PEDCO-000-CV-SP-0003
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-0009
GENERAL NOTES - STEEL STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0012
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
STANDARD DRAWING FOR CULVERT & DETAILS	BK-GNRL-PEDCO-000-CV-DW-0014
STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0005
STRUCTURAL DRAWING FOR SWITCHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
FOUNDATION DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0007
STRUCTURAL DRAWING FOR DIESEL GENERATOR SHELTER FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0008

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

THIS DRAWING

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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

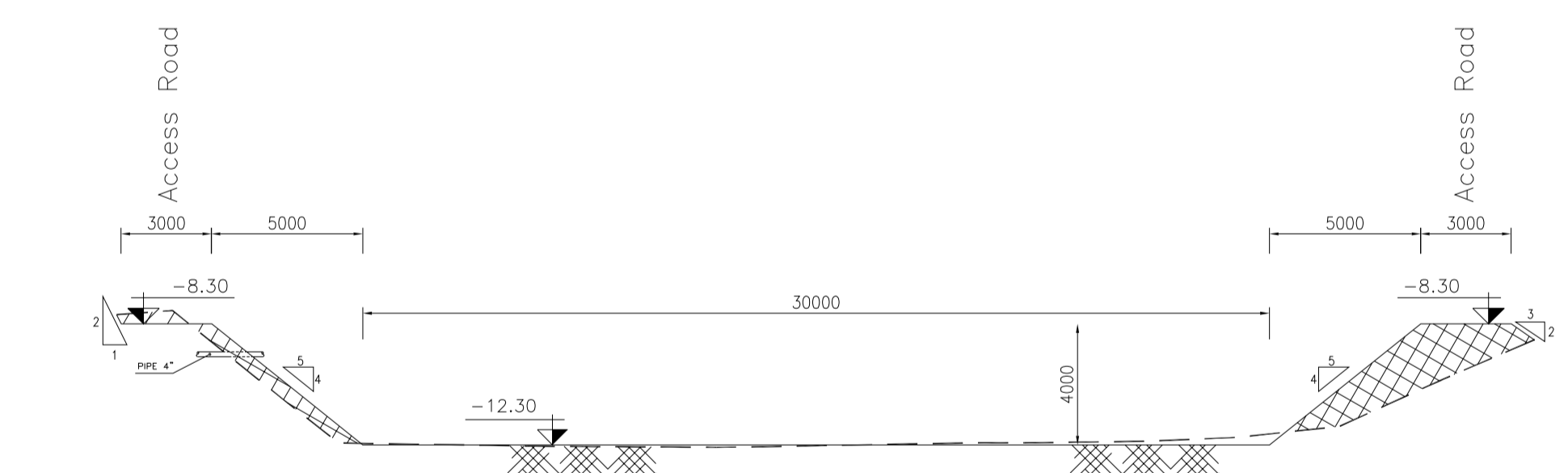
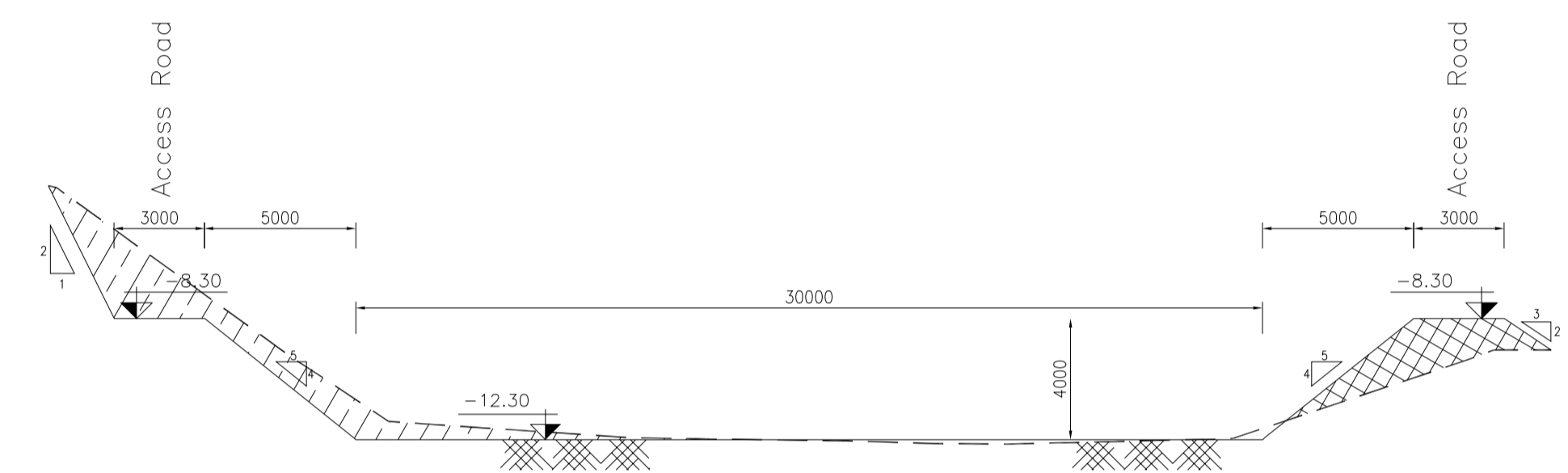
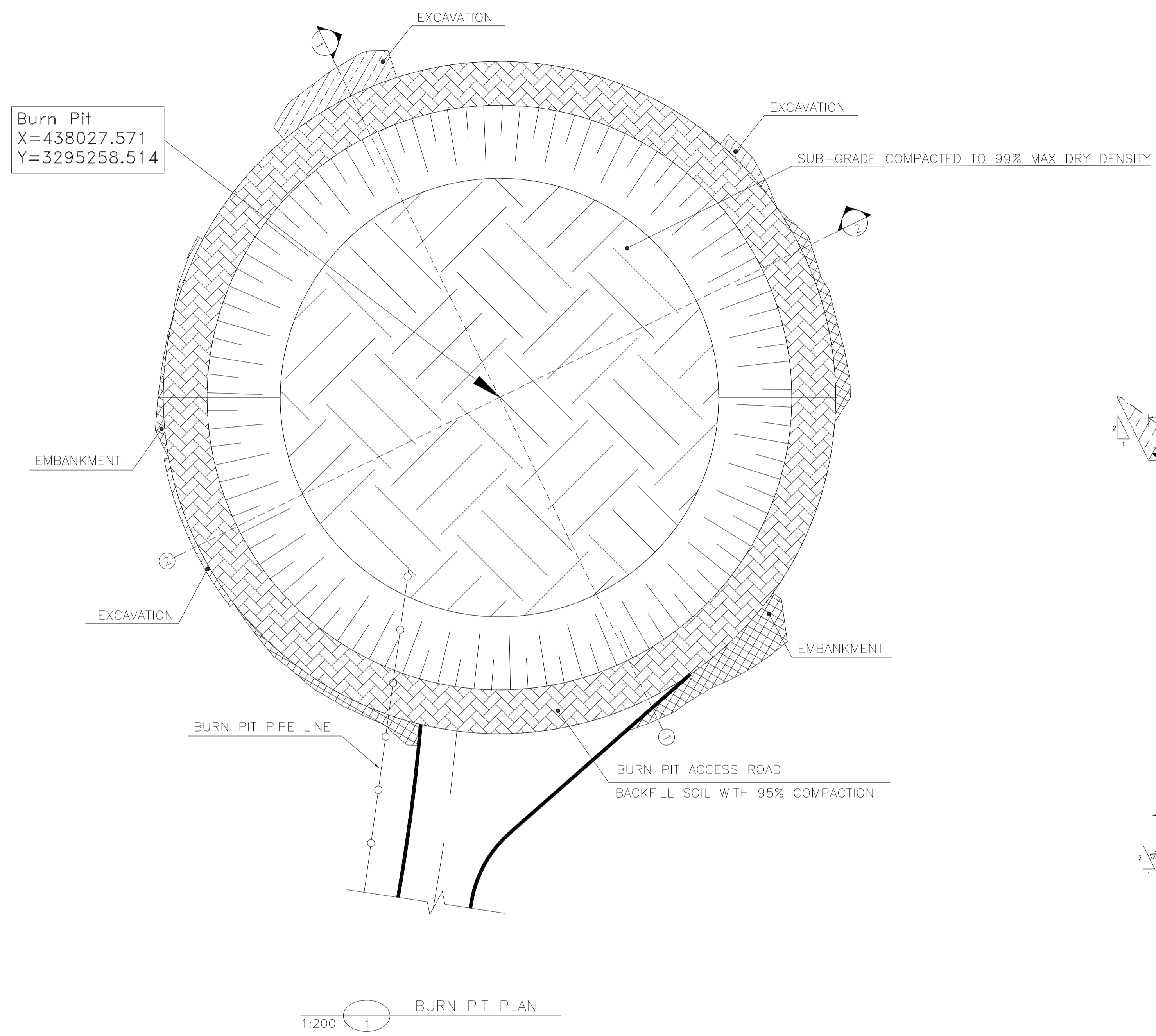
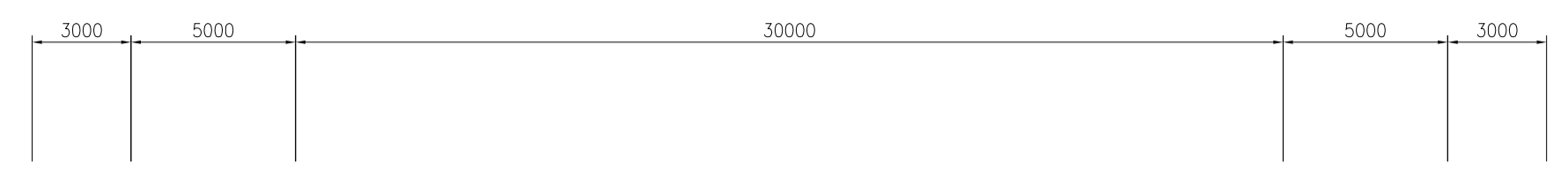
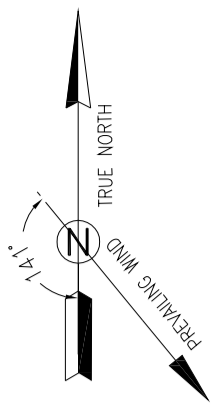
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WATER CHANNEL FORMWORK PLAN-SECTION

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	22 OF 101	D03	053-073-9184	F	4	S	708209	22	D03

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

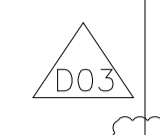
APPROVED FOR CONSTRUCTION	BY:	DATE:





NOTES

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- 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
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VERTICAL DATUM: MSL
- 12- ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.
±0.00 = +186.00(R.G.L.)MSL

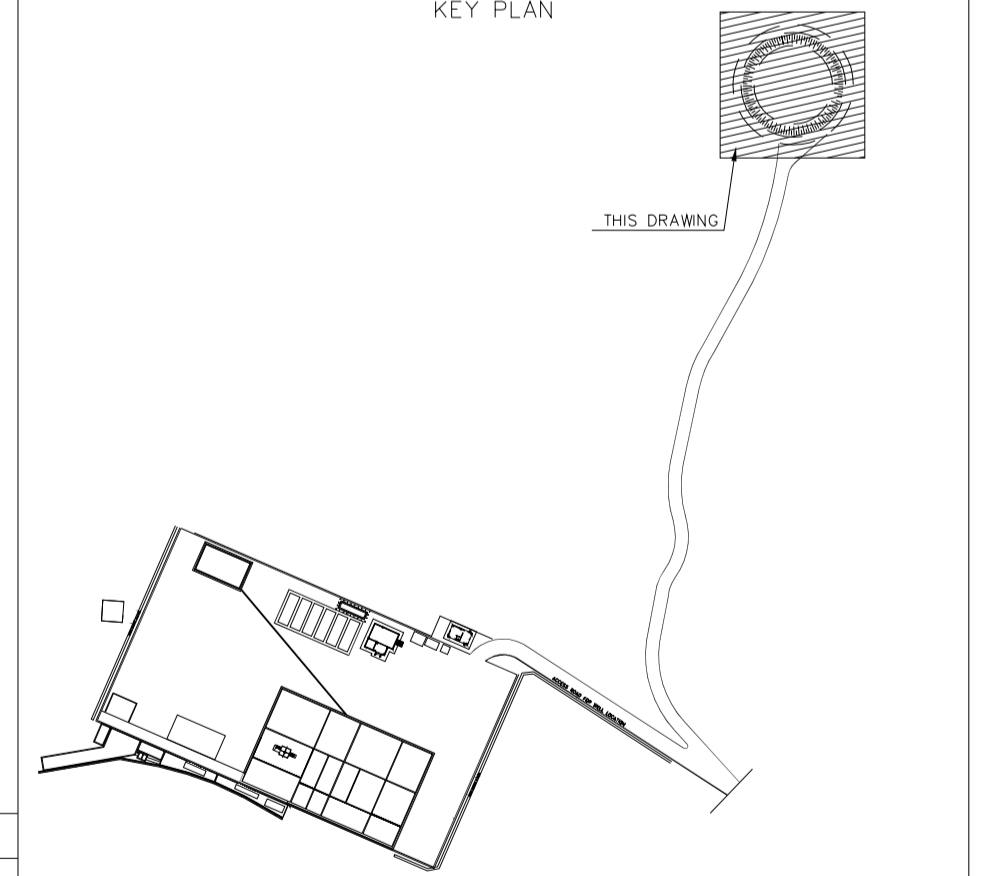


LEGEND AND ABBREVIATION

	REINFORCED CONCRETE		SUB GRADE
	LEAN CONCRETE		SLOPE
	CEMENT BLOCK WALL		EXISTING CONCRETE AREA
	GRAVEL		
T.O.F.	TOP OF FOUNDATION		
T.O.W.	TOP OF WALL		
	TOP OF CONCRETE		
	TOP OF PIPE		
B.O.P.	BOTTOM OF PIPE		
R.G.L.	ROUGH GRADING LEVEL		
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REFERENCE DRAWING	DRG. No.
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KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: **HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES**

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

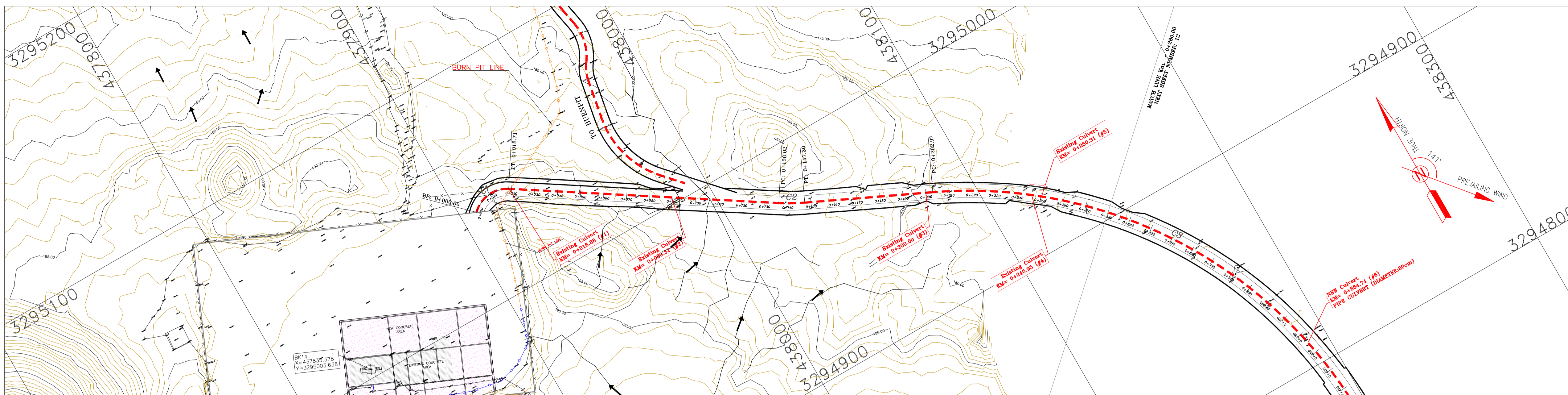
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 BURN PIT PLAN-SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

APPROVED FOR CONSTRUCTION	BY:	DATE:

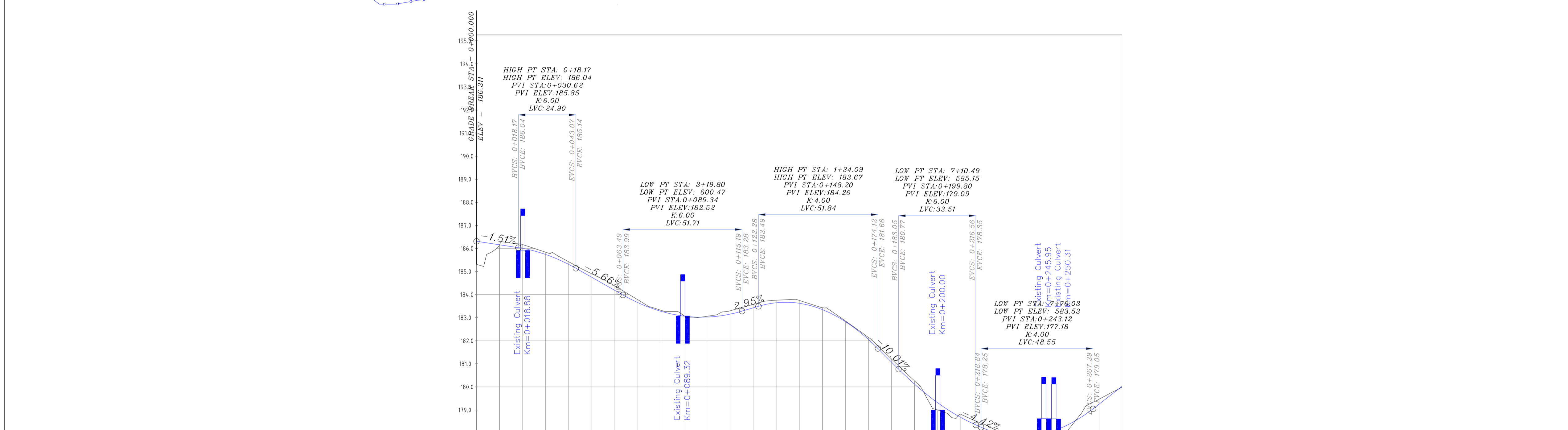
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	23 OF 101	D03	053-073-9184	F	4	S	708209	23	D03



- 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: MSL
 - 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-GNRL-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-RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - 7-PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGR-L-PEDCO-110-PI-DW-0001
 - 8-THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		OIL LINE
	ROAD WIDENING AREA		BURN PIT LINE
	NEW BURN PIT LINE		



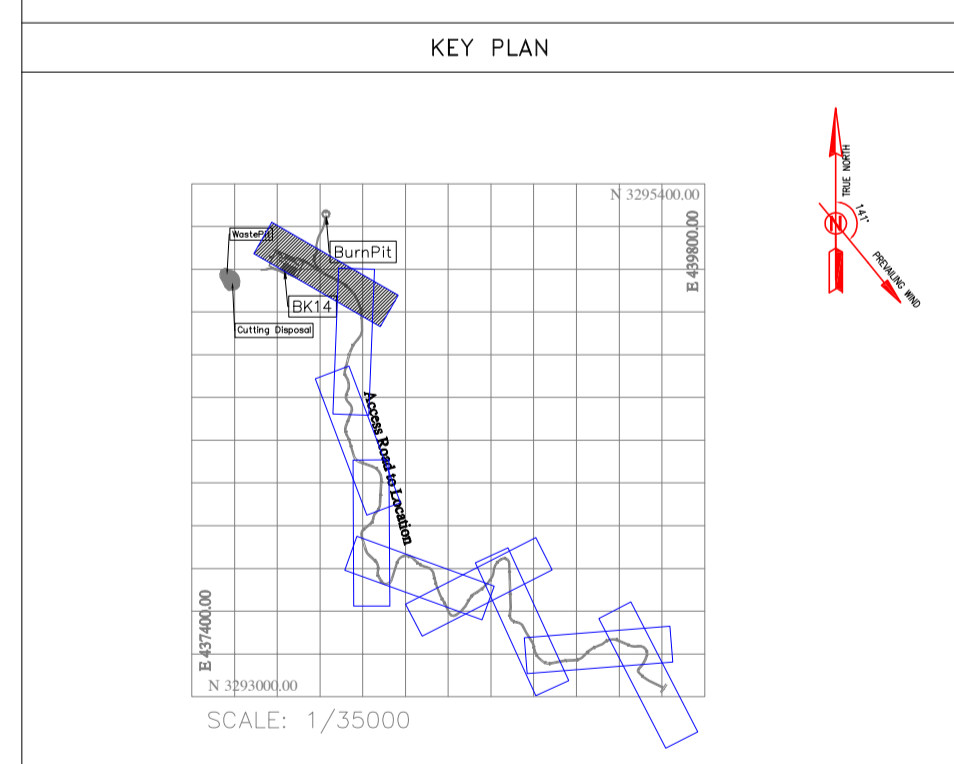
STATION	ELEVATION
0+000	186.00
0+008	186.16
0+018	186.01
0+030	185.74
0+040	185.31
0+050	184.75
0+060	184.07
0+070	183.28
0+080	182.38
0+090	181.37
0+100	180.26
0+110	179.05
0+120	177.74
0+130	176.43
0+140	175.12
0+150	173.81
0+160	172.50
0+170	171.19
0+180	169.88
0+190	168.57
0+200	167.26
0+210	165.95
0+220	164.64
0+230	163.33
0+240	162.02
0+250	160.71
0+260	159.40
0+270	158.09
0+280	156.78
0+290	155.47
0+300	154.16

REFERENCE DRAWING

REF. No.	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Pavement	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	13.66	18.71	N83° 47' 38.06"E	(437907.01,3295039.68)	(437924.19,3295041.55)
C2	84.05	11.28	S60° 49' 31.48"E	(438022.55,3294977.62)	(438032.39,3294972.13)
C3	196.53	216.22	S33° 09' 03.07"E	(438082.71,3294948.31)	(438195.08,3294776.27)

Station	Northing	Easting
0+000.00	3295039.68	437907.01
0+010.00	3295043.73	437915.91
0+020.00	3295040.84	437925.27
0+030.00	3295035.39	437933.65
0+040.00	3295029.94	437942.04
0+050.00	3295024.50	437950.42
0+060.00	3295019.05	437958.81
0+070.00	3295013.60	437967.19
0+080.00	3295008.15	437975.58
0+090.00	3295002.70	437983.96
0+100.00	3294997.25	437992.35
0+110.00	3294991.80	438000.73
0+120.00	3294986.35	438009.12
0+130.00	3294980.90	438017.50
0+140.00	3294975.45	438025.89
0+150.00	3294970.00	438034.27
0+160.00	3294964.55	438042.65
0+170.00	3294960.00	438051.04

Coordinate of Bench Marks (UTM-ZONE 39N)

NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

REVISIONS

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
DO3	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
DO2	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
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PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 ACCESS ROAD PLAN AND PROFILE

SCALE: 1/1000

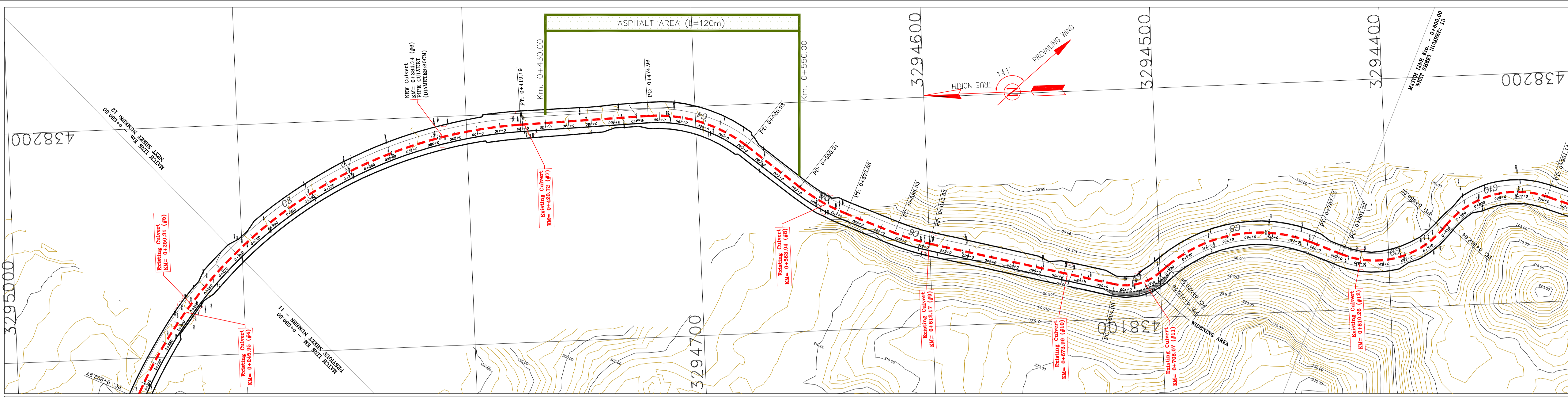
APPROVALS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

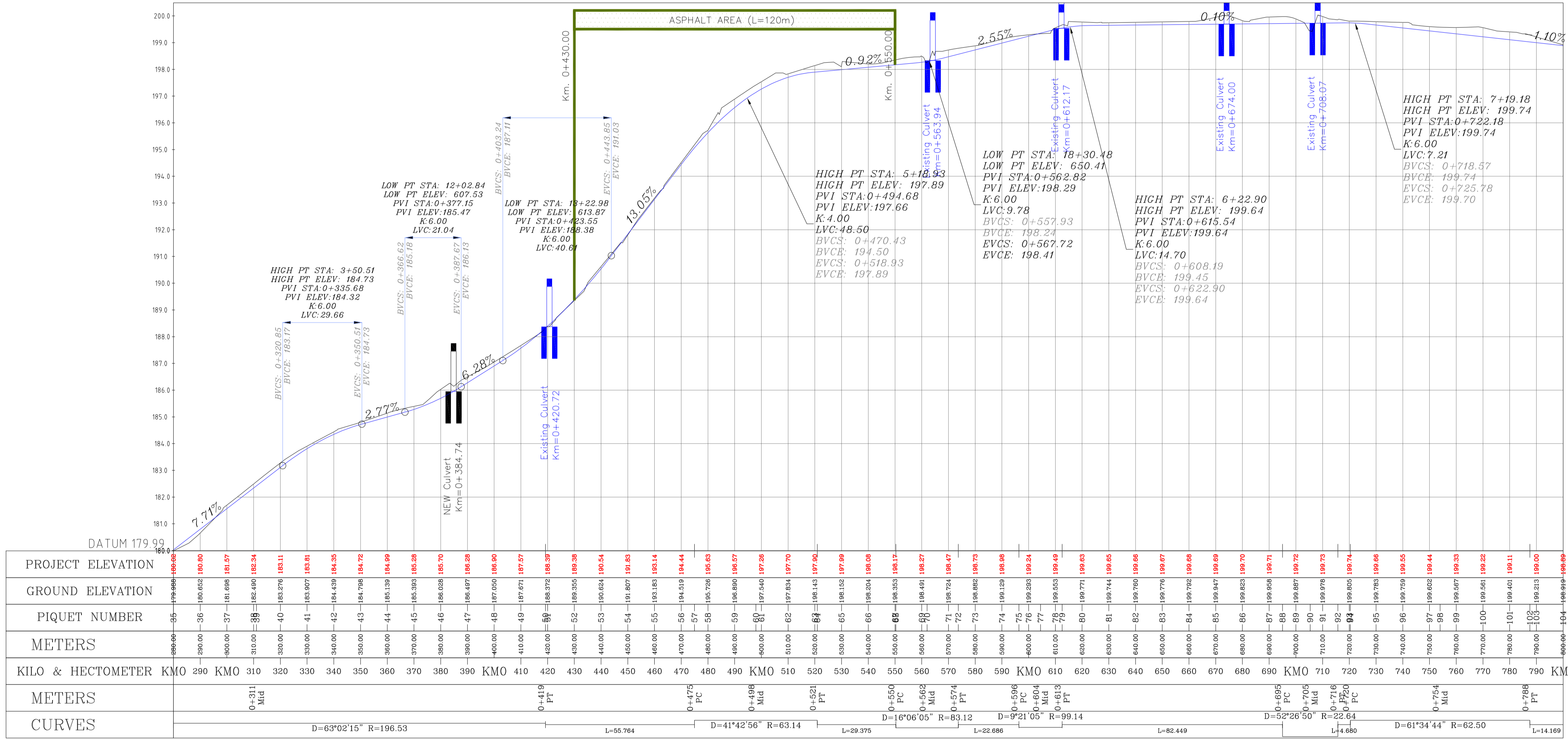
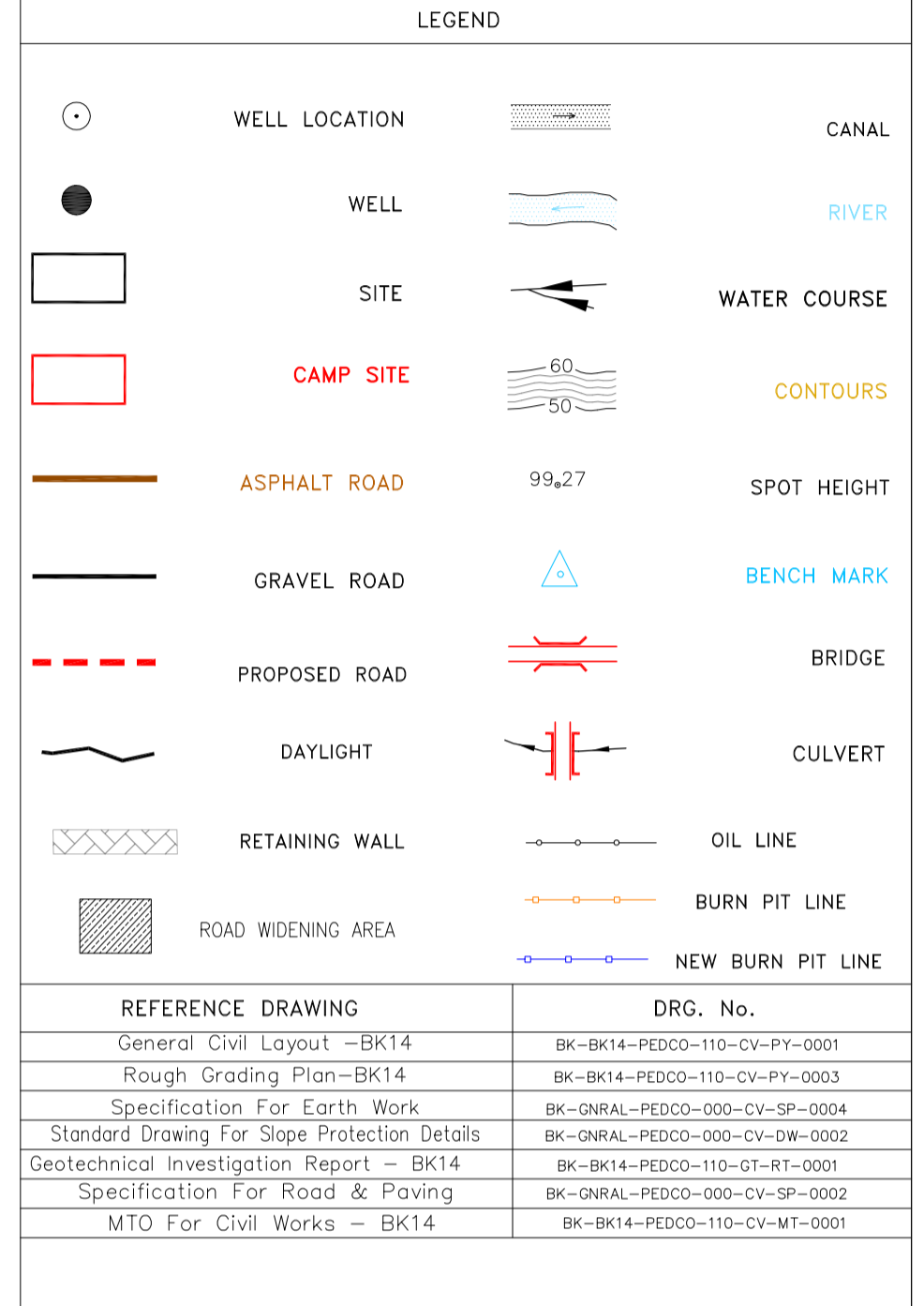
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	24	DO3



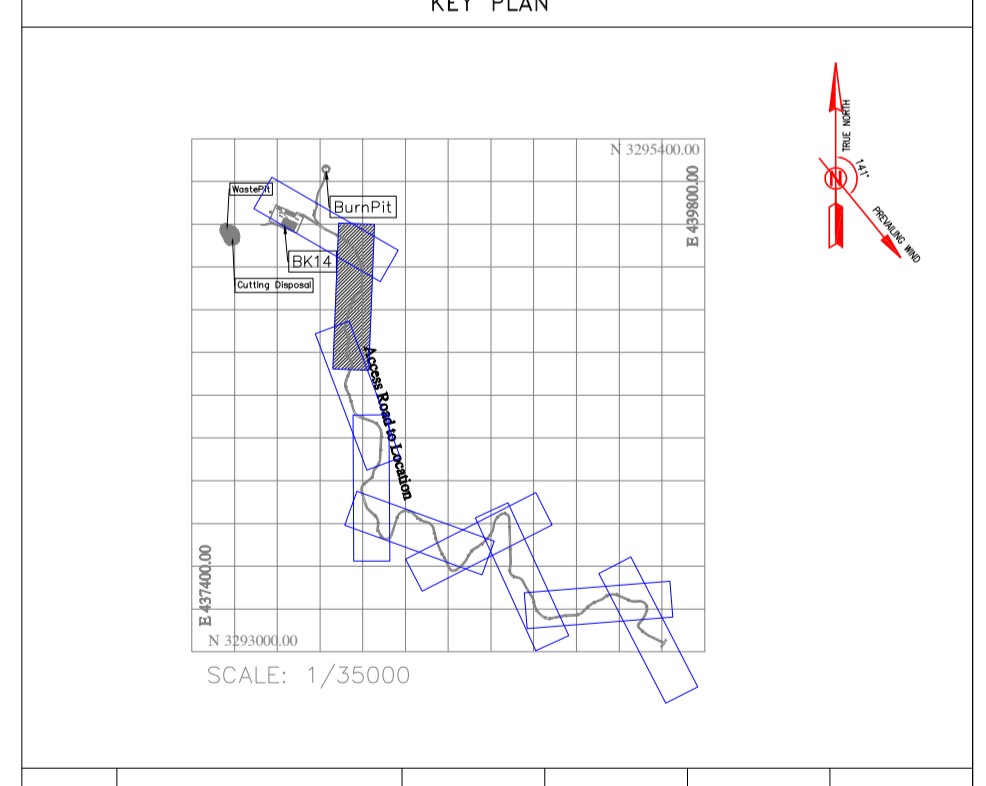


- NOTES**
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - 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-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
 - RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGR-PEDCO-110-PI-DW-0001
 - THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.



ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C4	63.14	45.97	S19° 13' 32.17"W	(438196.67, 3294720.53)	(438181.86, 3294678.08)
C5	83.12	23.36	S32° 01' 57.72"W	(438162.94, 3294655.60)	(438150.60, 3294635.86)
C6	99.14	16.18	S19° 18' 23.07"W	(438141.38, 3294615.14)	(438136.03, 3294599.88)
C7	22.64	20.72	S11° 35' 34.44"E	(438115.21, 3294520.11)	(438119.23, 3294500.51)
C8	62.50	67.17	S7° 01' 37.65"E	(438122.10, 3294496.81)	(438129.92, 3294433.31)
C9	39.00	48.50	S11° 51' 59.09"E	(438124.21, 3294420.34)	(438133.56, 3294375.87)
C10	40.46	48.50	S13° 09' 31.53"E	(438135.34, 3294374.24)	(438145.73, 3294329.79)

Station	Northing	Easting
0+460.00	3294735.48	438196.24
0+470.00	3294902.72	438144.19
0+480.00	3294895.15	438150.72
0+490.00	3294887.25	438156.85
0+500.00	3294879.05	438162.57
0+510.00	3294870.57	438167.87
0+520.00	3294861.83	438172.74
0+530.00	3294852.86	438177.15
0+540.00	3294843.68	438181.10
0+550.00	3294834.30	438184.57
0+560.00	3294824.76	438187.57
0+570.00	3294815.08	438190.07
0+580.00	3294805.29	438192.09
0+590.00	3294795.40	438193.60
0+600.00	3294785.45	438194.60
0+610.00	3294775.47	438195.10
0+620.00	3294765.47	438195.19
0+630.00	3294755.48	438195.67
0+640.00	3294745.48	438195.95

Station	Northing	Easting
0+650.00	3294553.63	438126.57
0+660.00	3294535.95	438124.04
0+670.00	3294518.28	438121.52
0+680.00	3294501.54	438118.99
0+690.00	3294484.81	438116.46
0+700.00	3294468.07	438113.94
0+710.00	3294451.33	438111.42
0+720.00	3294434.59	438108.90
0+730.00	3294417.86	438106.38
0+740.00	3294401.12	438103.86
0+750.00	3294384.38	438101.34
0+760.00	3294367.64	438098.82
0+770.00	3294350.90	438096.30
0+780.00	3294334.16	438093.78
0+790.00	3294317.42	438091.26
0+800.00	3294300.68	438088.74

PI Station	Northing	Easting
0+323.49	3294826.74	438191.64
0+499.02	3294696.48	438197.35
0+562.06	3294646.61	438155.37
0+604.46	3294607.73	438138.08
0+706.13	3294509.32	438123.39
0+757.62	3294467.39	438144.93

Coordinate of Bench Marks (UTM-ZONE 39N)	Name	Easting(m)	Northing(m)	Elevation(m)
GPS2		437770.8593	3295060.1065	171.4186
GPS3		437770.7943	3295060.0960	171.4184

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 ACCESS ROAD PLAN AND PROFILE

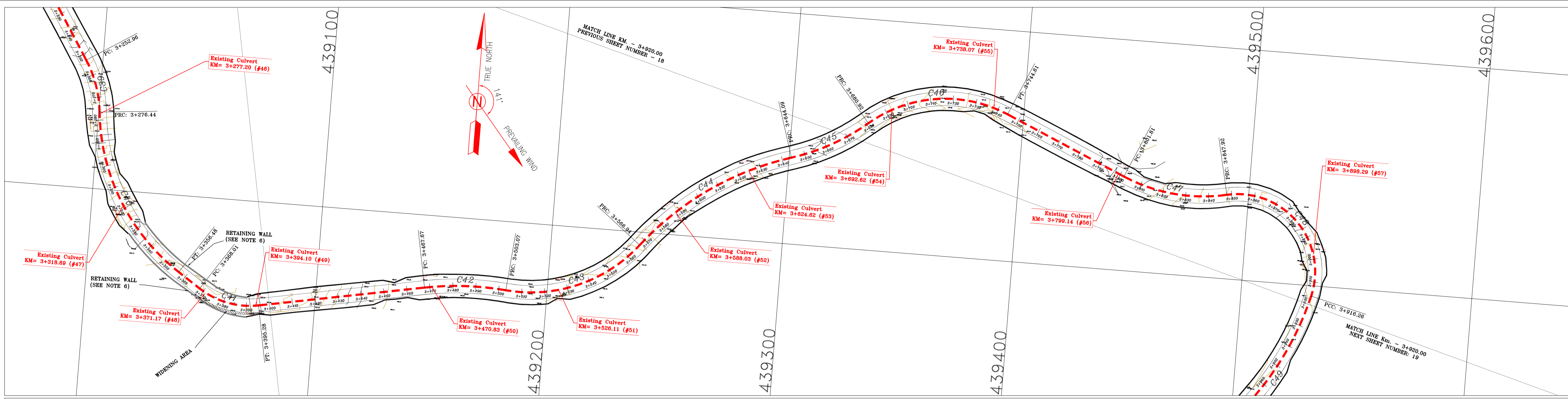
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION									
BY:		DATE:		BY:		DATE:			

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	25 OF 101	D03	053-073-9184	F	4	S	708209	25	D03





NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 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 : MSL
- 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-GNRL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
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- THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND

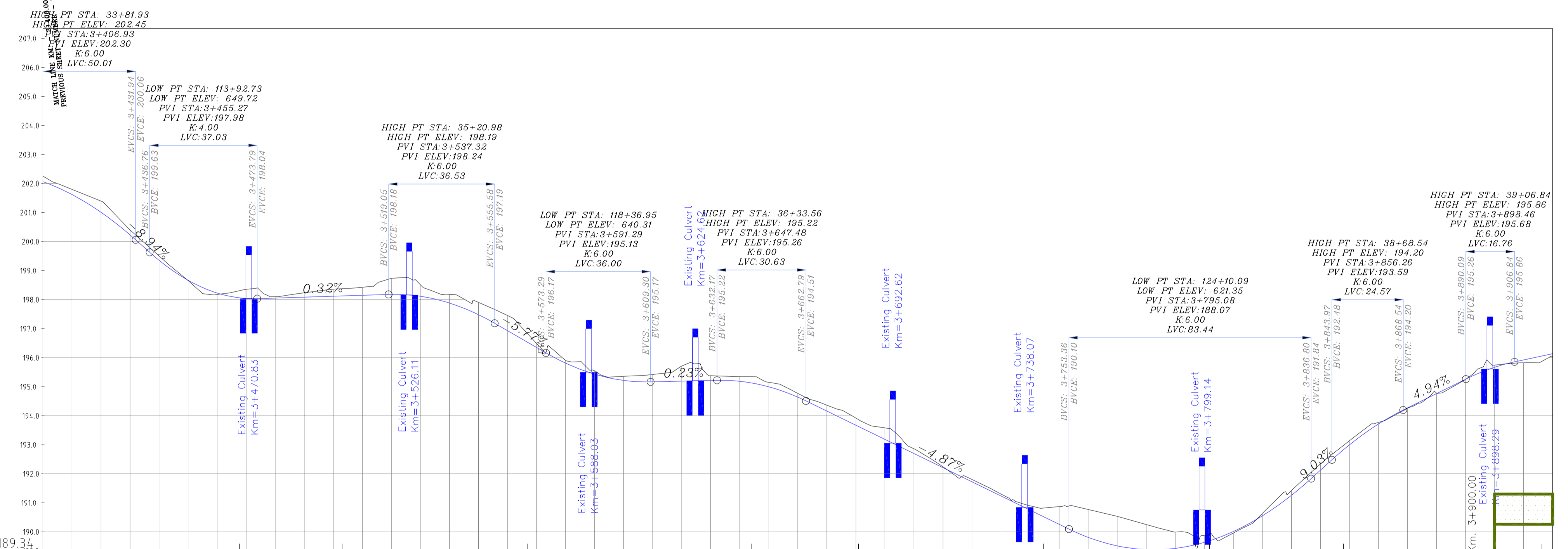
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		OIL LINE
	ROAD WIDENING AREA		BURN PIT LINE
	NEW BURN PIT LINE		

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
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 LVC= LENGTH OF VERTICAL CURVE
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KEY PLAN



PROJECT ELEVATION		GROUND ELEVATION		PIQUET NUMBER		METERS		KILO & HECTOMETER KM3		METERS		CURVES	
3+400.00	3+410.00	3+420.00	3+430.00	3+440.00	3+450.00	3+460.00	3+470.00	3+480.00	3+490.00	3+500.00	3+510.00	3+520.00	3+530.00
3+400.00	3+410.00	3+420.00	3+430.00	3+440.00	3+450.00	3+460.00	3+470.00	3+480.00	3+490.00	3+500.00	3+510.00	3+520.00	3+530.00
L=72.383		D=16°00'42" R=126.68		D=57°01'16" R=64.18		D=34°20'54" R=128.68		D=22°37'24" R=93.29		D=6°33'46" R=57.42		L=57.208	

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C39	49.90	23.48	S18° 53' 18.63"E	(438992.78,3293255.28)	(439000.31,3293233.27)
C40	90.01	80.04	S30° 52' 53.39"E	(439000.31,3293233.27)	(439040.05,3293166.82)
C41	35.24	27.27	S78° 31' 33.58"E	(439049.66,3293160.43)	(439075.72,3293155.14)
C42	126.68	35.40	N87° 18' 26.27"E	(439146.85,3293168.58)	(439182.09,3293170.23)
C43	64.18	63.88	N66° 48' 08.86"E	(439182.09,3293170.23)	(439238.41,3293194.37)
C44	128.68	77.14	N55° 27' 57.77"E	(439238.41,3293194.37)	(439301.02,3293237.45)
C45	93.29	36.83	N61° 19' 42.70"E	(439301.02,3293237.45)	(439333.12,3293255.01)

Station	Northing	Easting
3+580.00	3293204.19	439247.01
3+600.00	3293156.01	439080.35
3+620.00	3293157.87	439090.18
3+640.00	3293159.73	439100.01
3+660.00	3293161.58	439109.83
3+680.00	3293163.44	439119.66
3+700.00	3293165.30	439129.49
3+720.00	3293167.15	439139.31
3+740.00	3293168.99	439149.14
3+760.00	3293170.77	439159.04
3+780.00	3293172.54	439169.04
3+800.00	3293174.31	439179.03
3+820.00	3293176.08	439189.02
3+840.00	3293177.85	439199.01
3+860.00	3293179.62	439209.00
3+880.00	3293181.39	439219.00
3+900.00	3293183.16	439229.00
3+920.00	3293184.93	439239.00
3+940.00	3293186.70	439249.00

Coordinate of Bench Marks (UTM-ZONE 39N)

NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

REV.	DESCRIPTION	BY	DATE	BY	DATE
DO3	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI
DO2	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD
DO1	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD
DO0	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PEDCO

PROJECT ENG: PETROIRAN DEVELOPMENT COMPANY

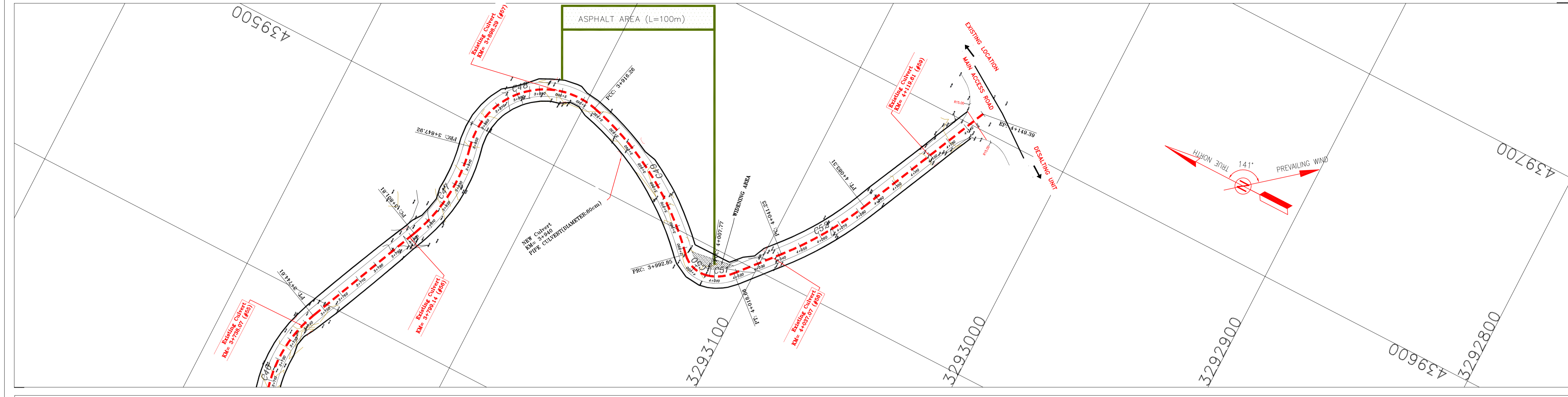
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

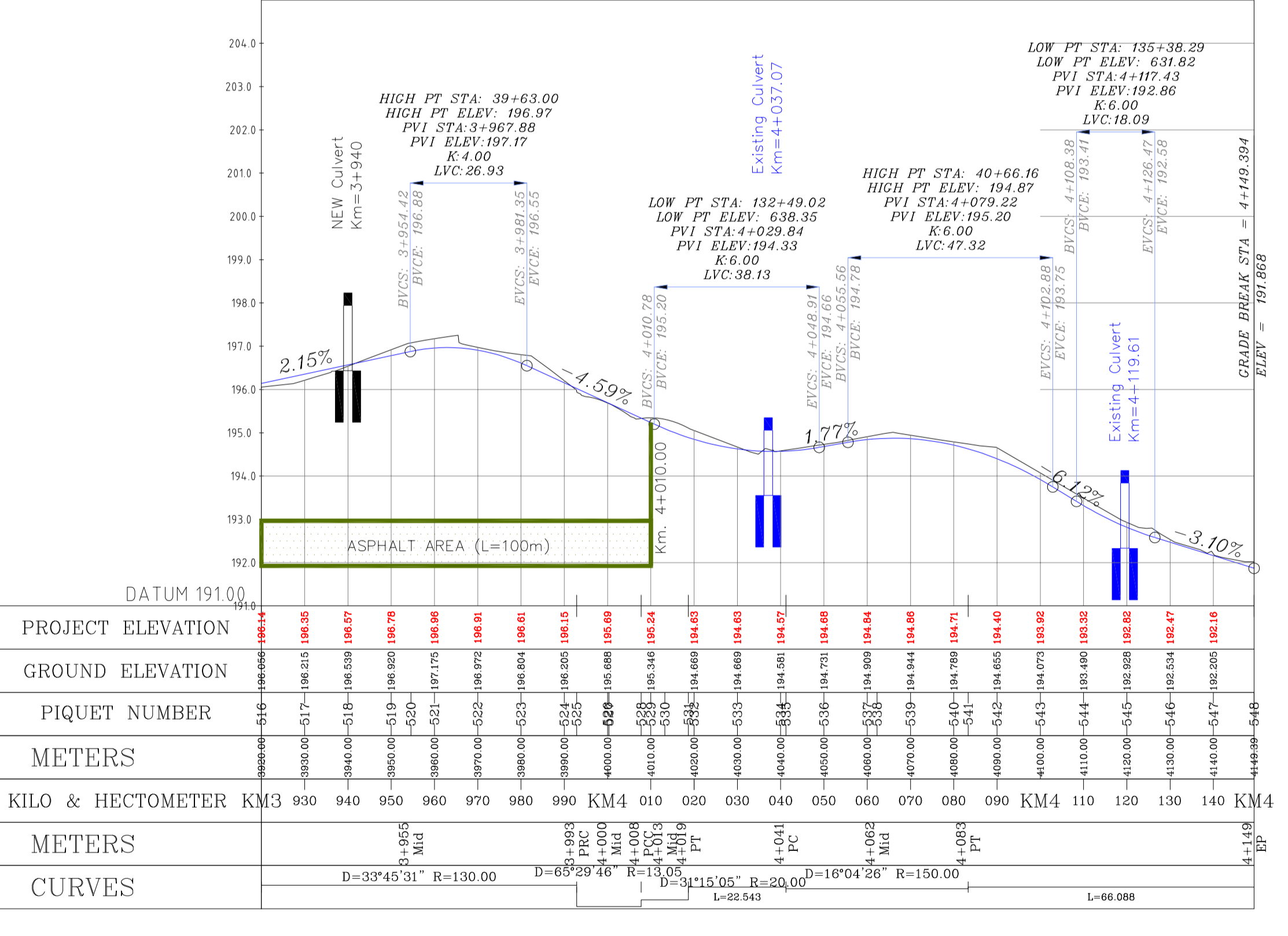
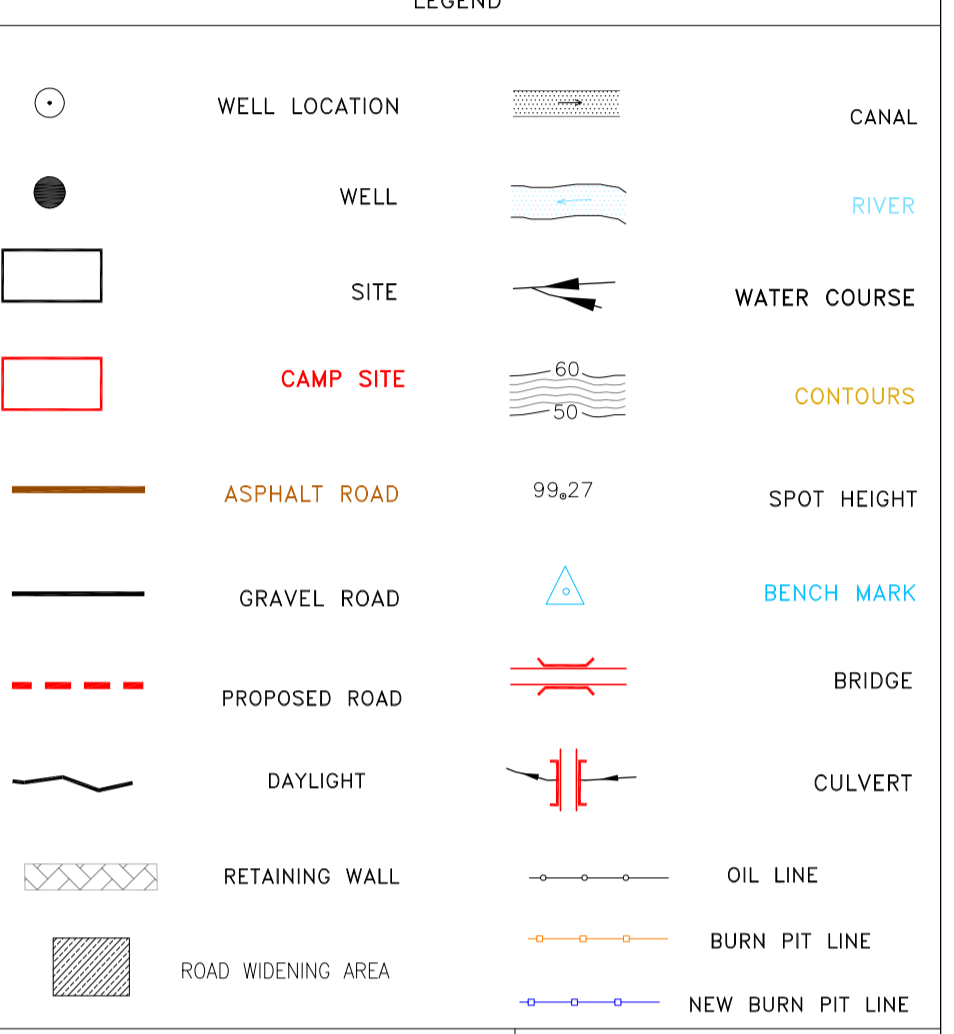
APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	31 OF 101	DO3	053-073-9184	F	4	S	708209	31	DO3

TOTALLY REVISED



- ### NOTES
- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 3-GEODEIC PARAMETERS FOR COORDINATES ARE AS BELOW:
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 ELLIPSOID : WORLD GEODEIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
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 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
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 - 8-THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

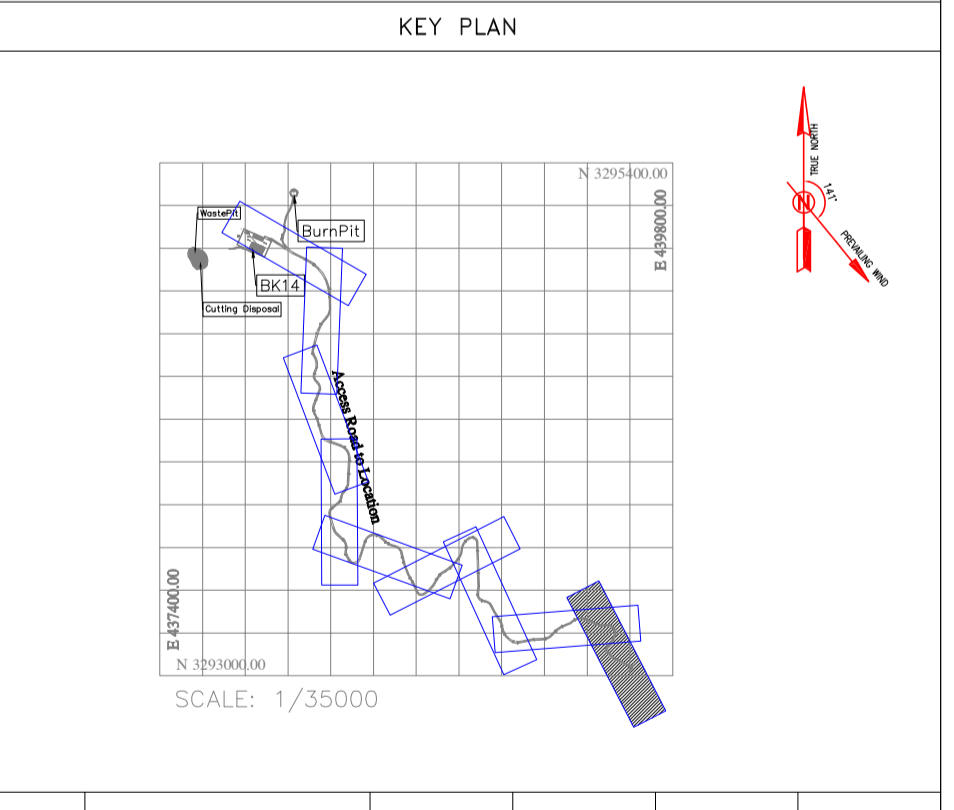


REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
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Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

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 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C46	57.42	63.68	N81° 47' 23.60"E	(439333.12,3293255.01)	(439392.97,3293263.64)
C47	73.19	46.11	S84° 29' 02.42"E	(439445.41,3293240.77)	(439490.55,3293236.41)
C48	33.64	68.33	S44° 20' 02.31"E	(439490.55,3293236.41)	(439530.51,3293195.52)
C49	130.00	76.60	S30° 44' 32.20"W	(439530.51,3293195.52)	(439491.92,3293130.64)
C50	13.05	14.92	S14° 52' 24.31"W	(439491.92,3293130.64)	(439488.29,3293116.99)
C51	20.00	10.91	S33° 30' 01.16"E	(439488.29,3293116.99)	(439494.24,3293108.00)
C52	150.00	42.08	S57° 09' 46.39"E	(439511.28,3293093.25)	(439546.52,3293070.51)

Station	Northing	Easting
4+120.00	3293055.11	439579.83
4+130.00	3293050.92	439588.91
4+140.00	3293046.72	439597.99
4+149.39	3293042.79	439606.51

Station	Northing	Easting
4+100.00	3293155.59	439513.14
4+110.00	3293147.44	439507.36
4+120.00	3293139.75	439500.97
4+130.00	3293132.58	439494.00
4+140.00	3293124.64	439488.18
4+150.00	3293114.91	439489.09
4+160.00	3293102.59	439495.23
4+170.00	3293094.05	439510.36
4+180.00	3293087.70	439518.08
4+190.00	3293081.88	439526.21
4+200.00	3293076.61	439534.71
4+210.00	3293071.93	439543.54
4+220.00	3293067.70	439552.60
4+230.00	3293063.50	439561.68
4+240.00	3293059.31	439570.76

Coordinate of Bench Marks (UTM-ZONE 39N)

NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
DO3	MAY.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSENI	***
DO2	MAR.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
DO1	NOV.2022	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
DO0	OCT.2022	IFC	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

اسلو و کلیه نسخ این نقشه و حتی اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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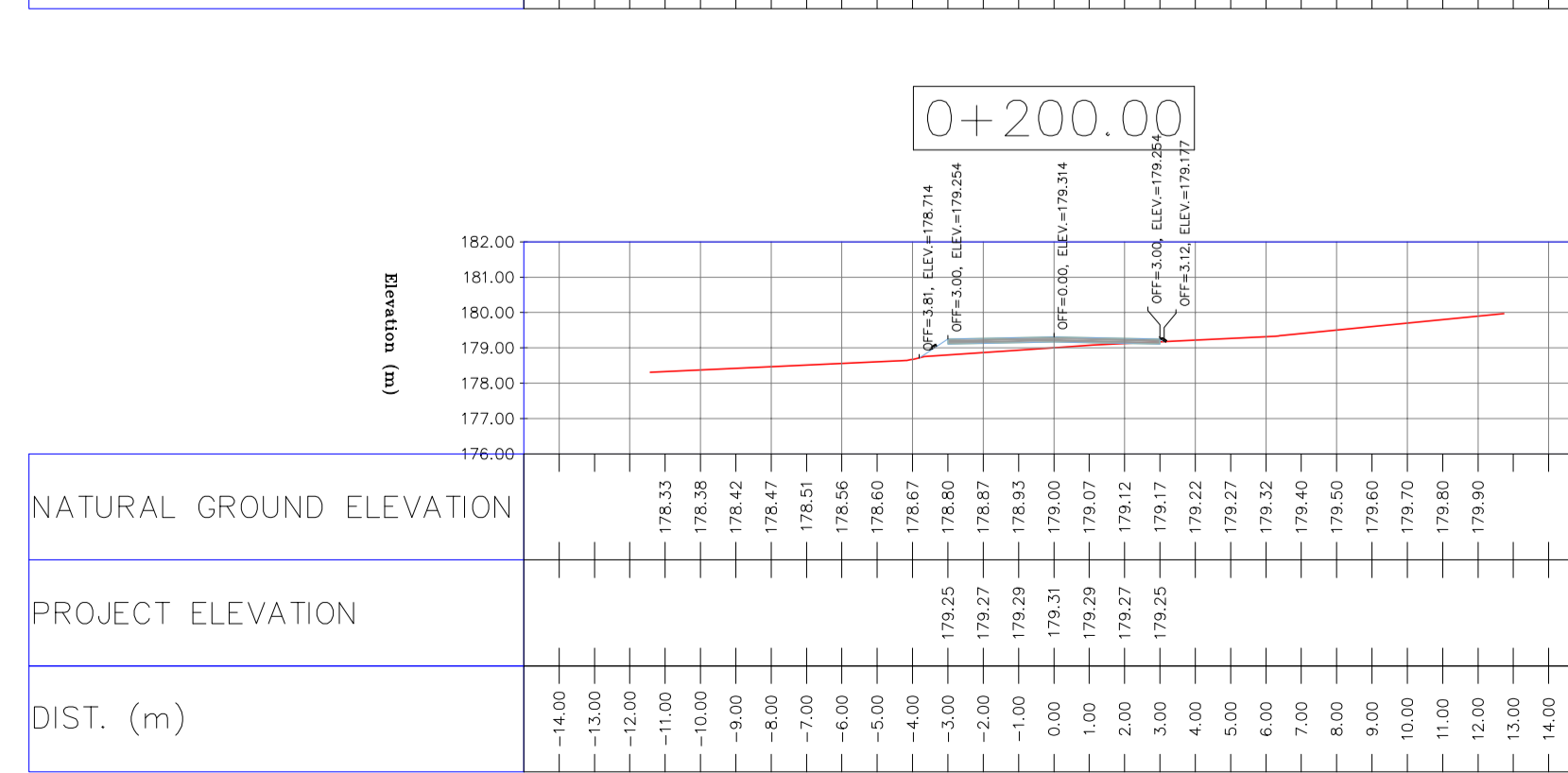
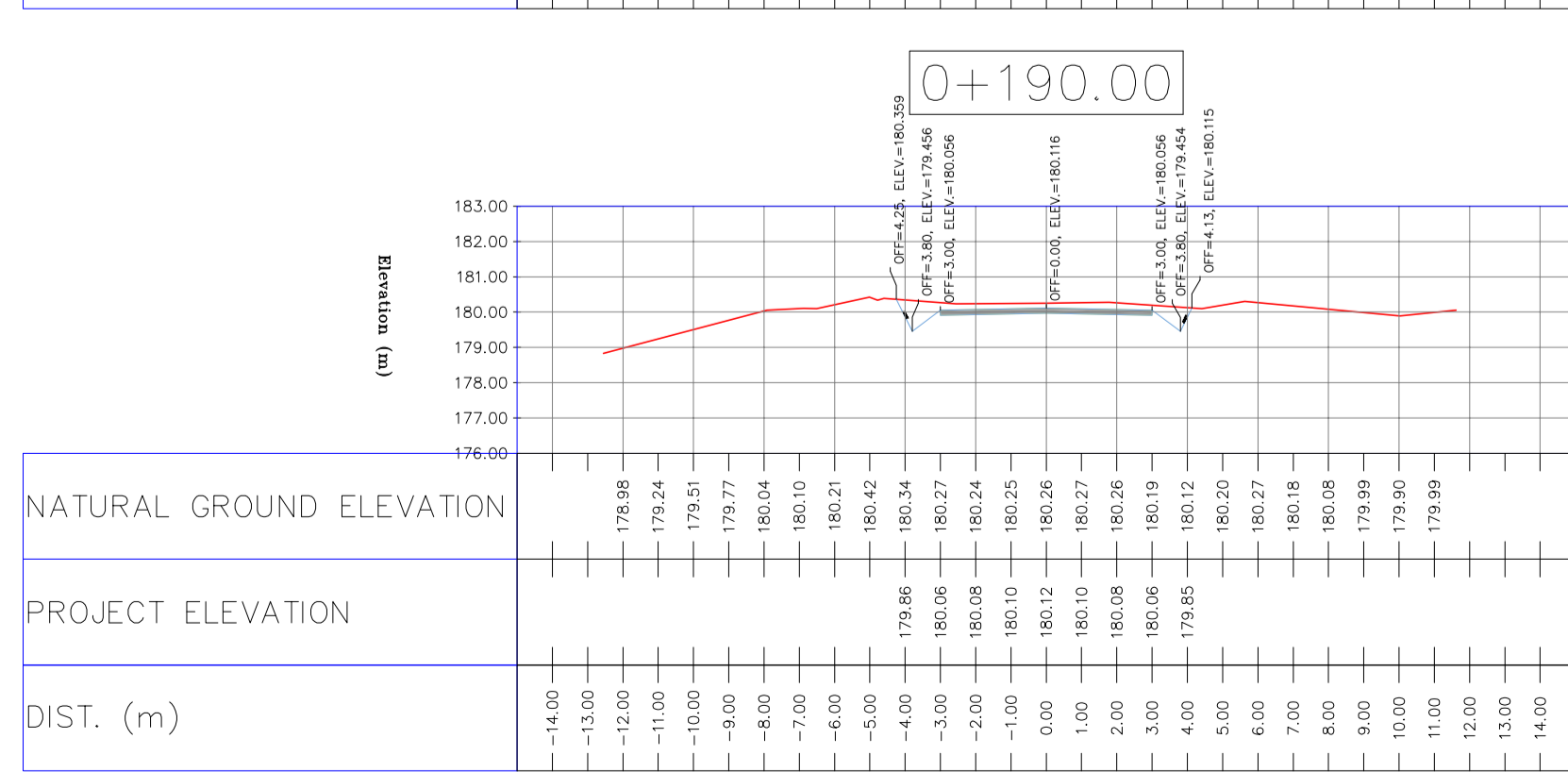
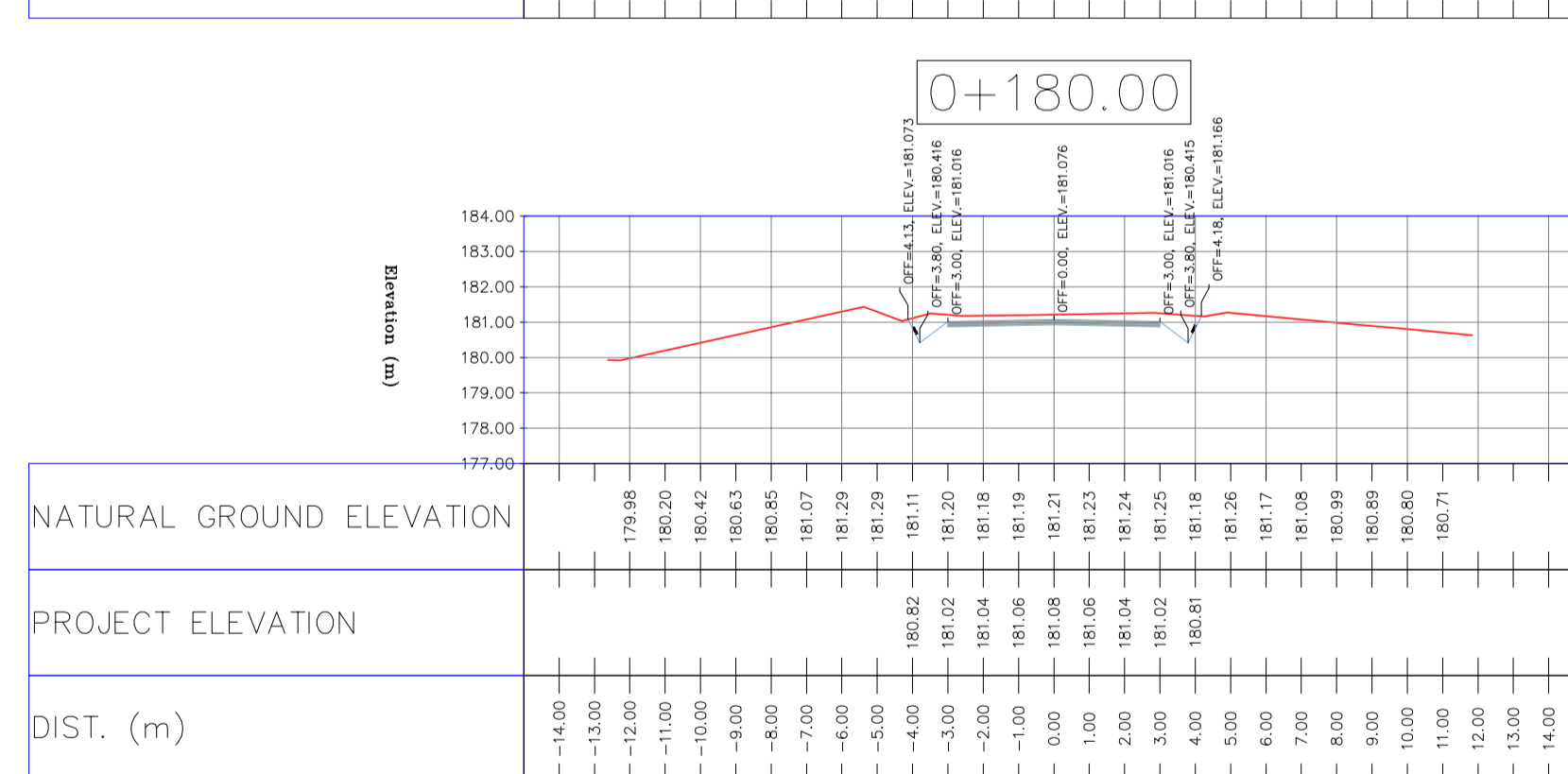
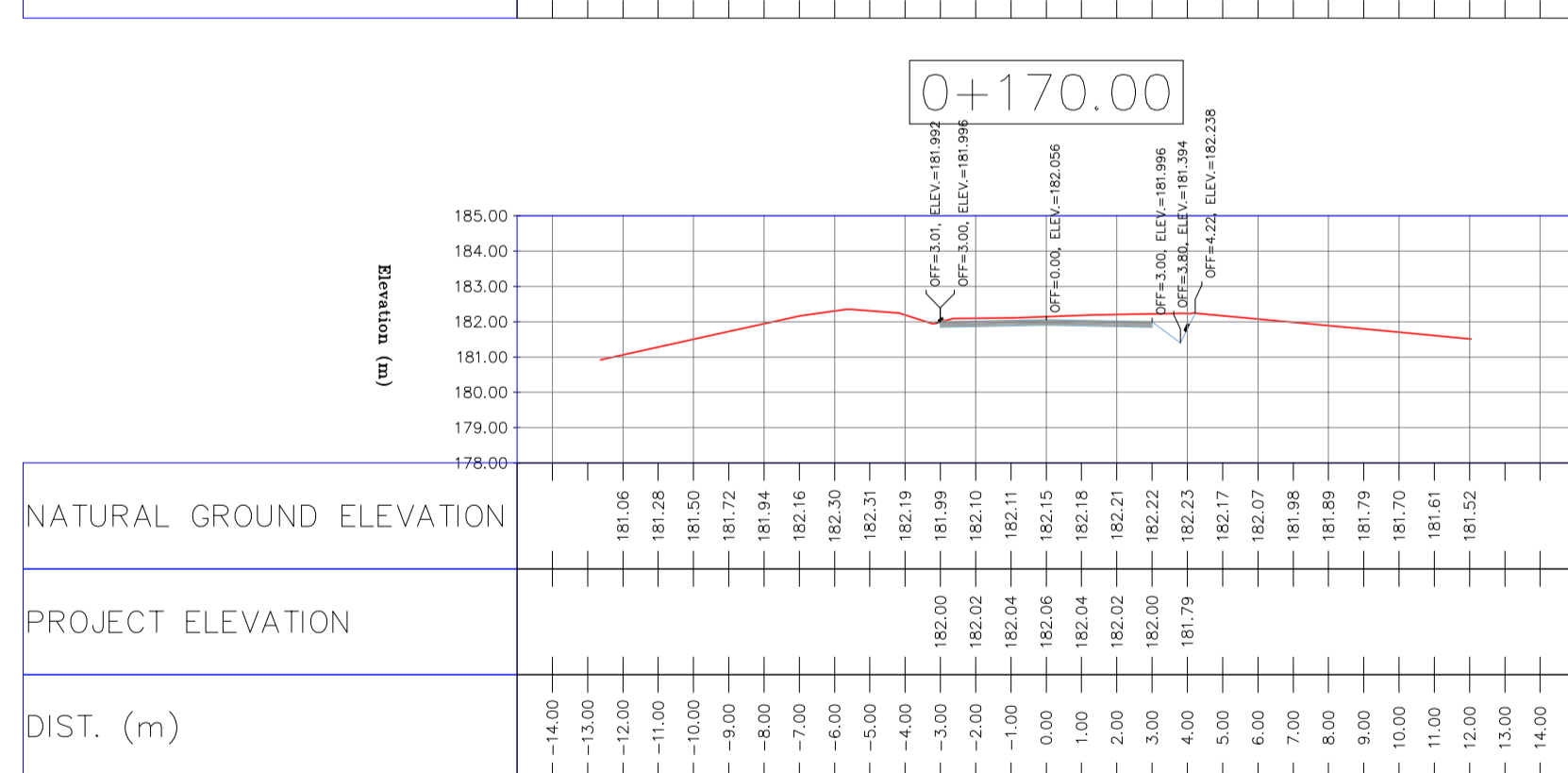
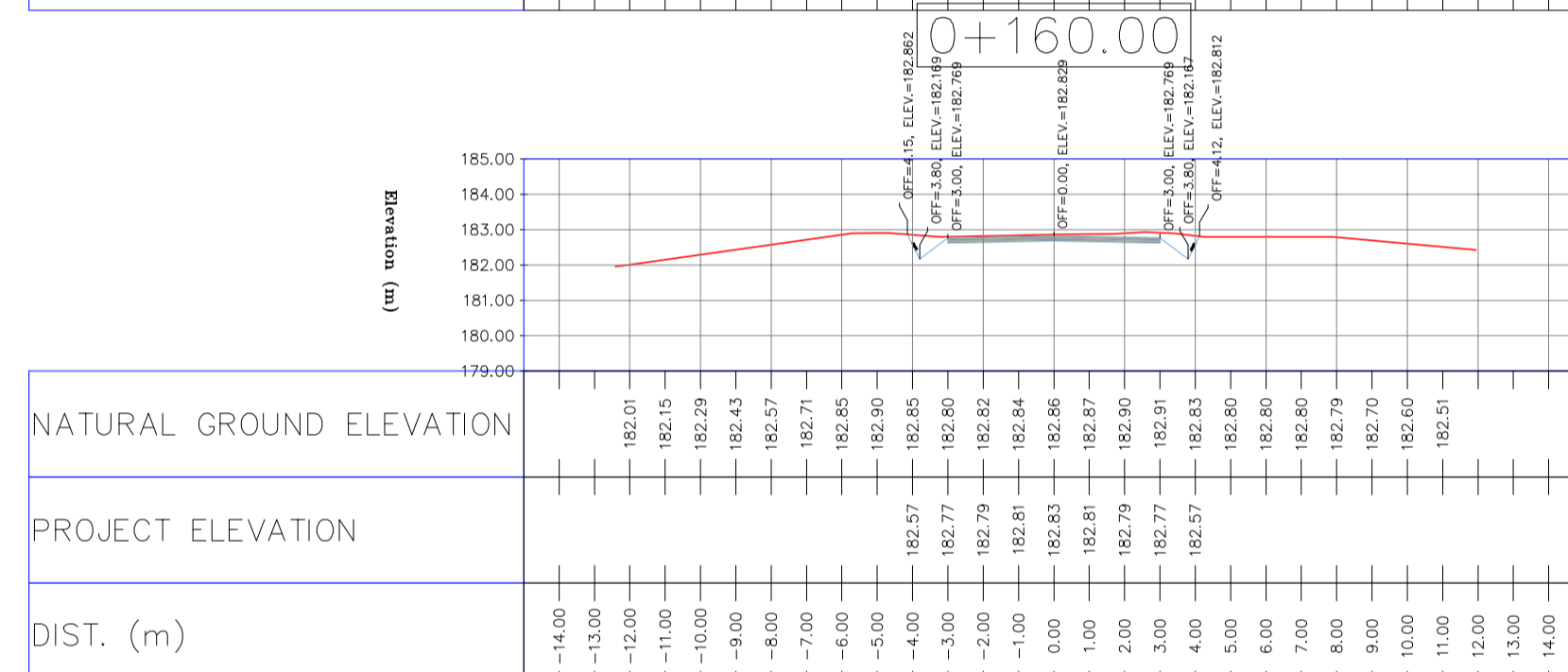
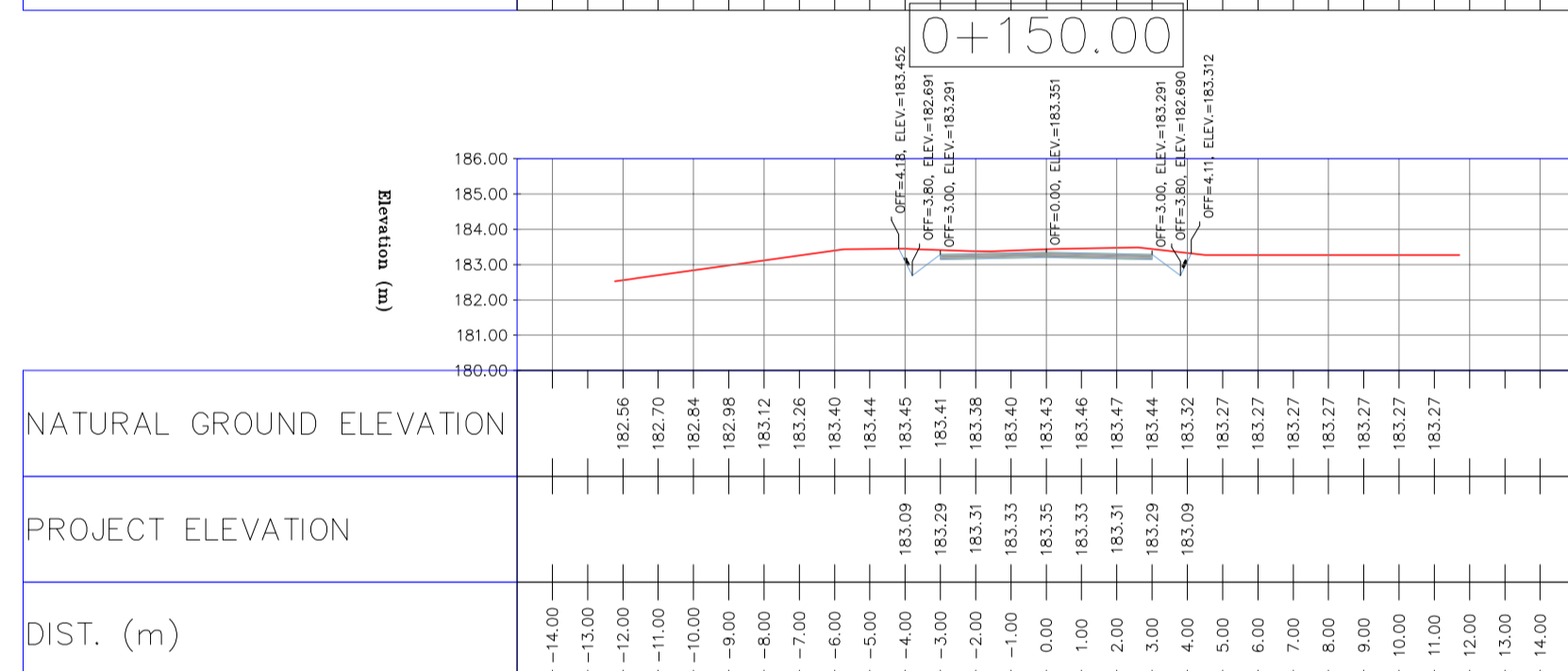
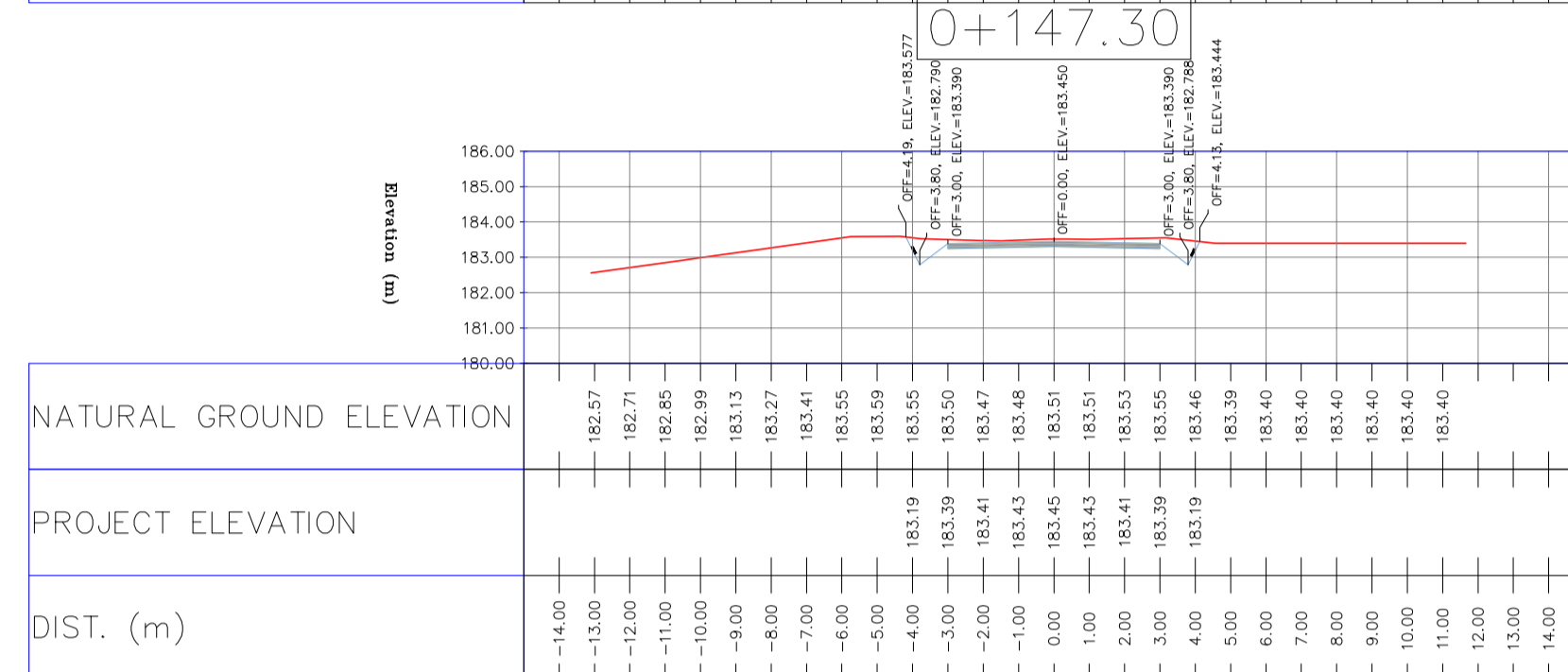
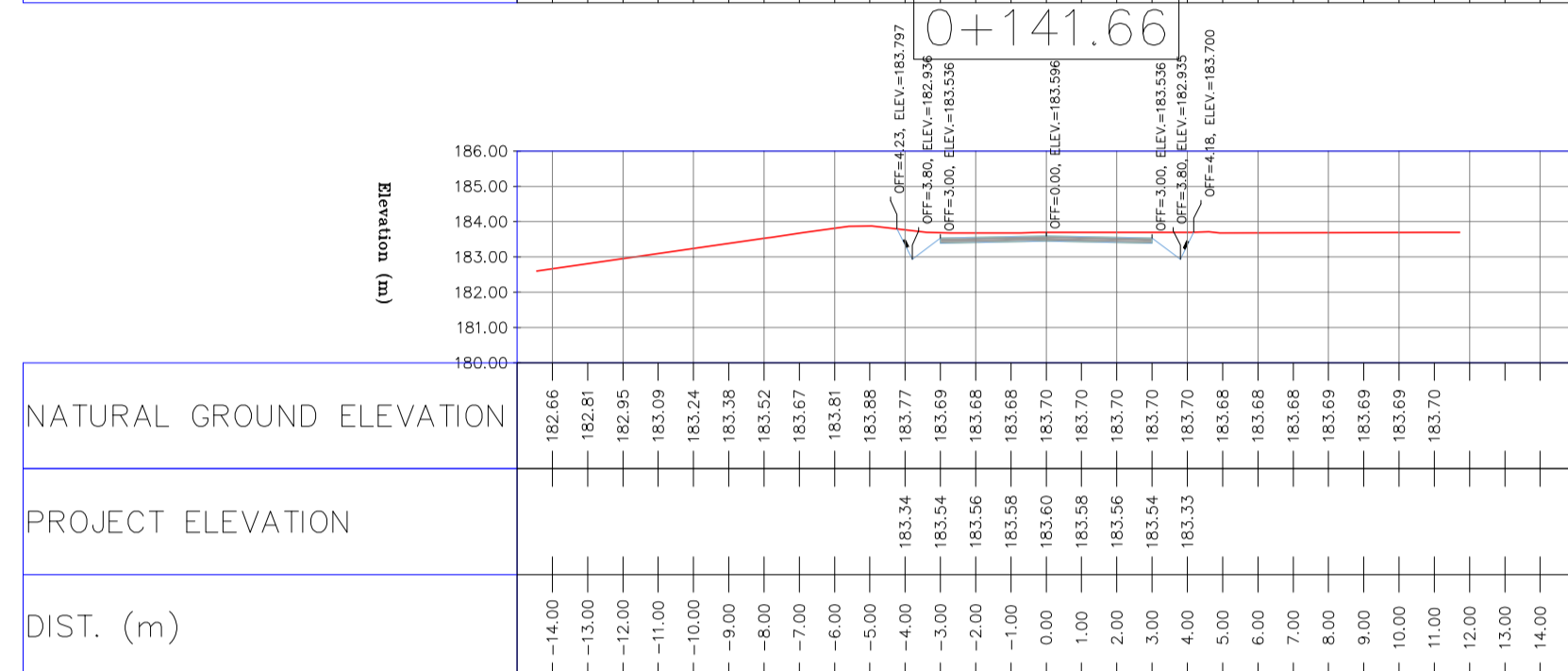
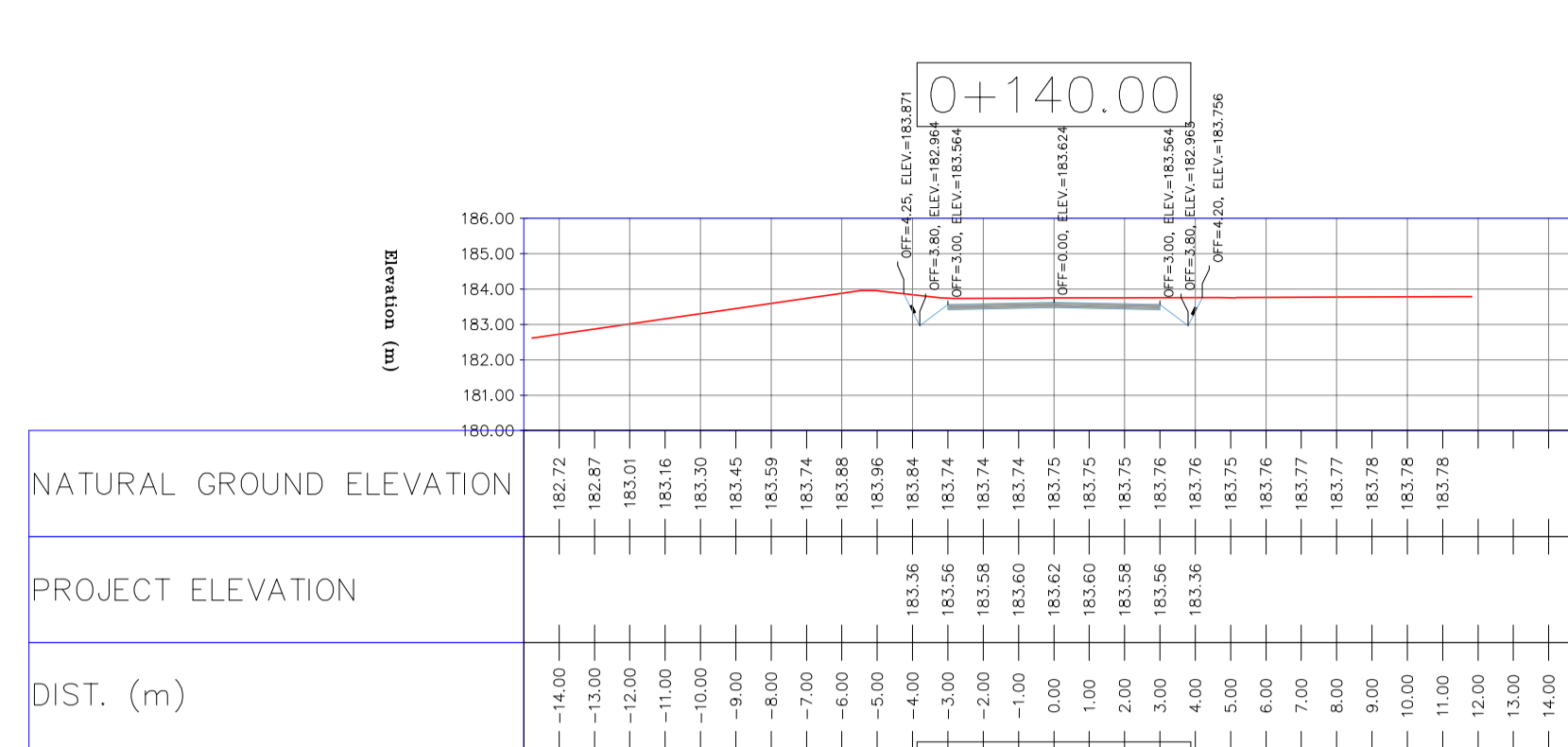
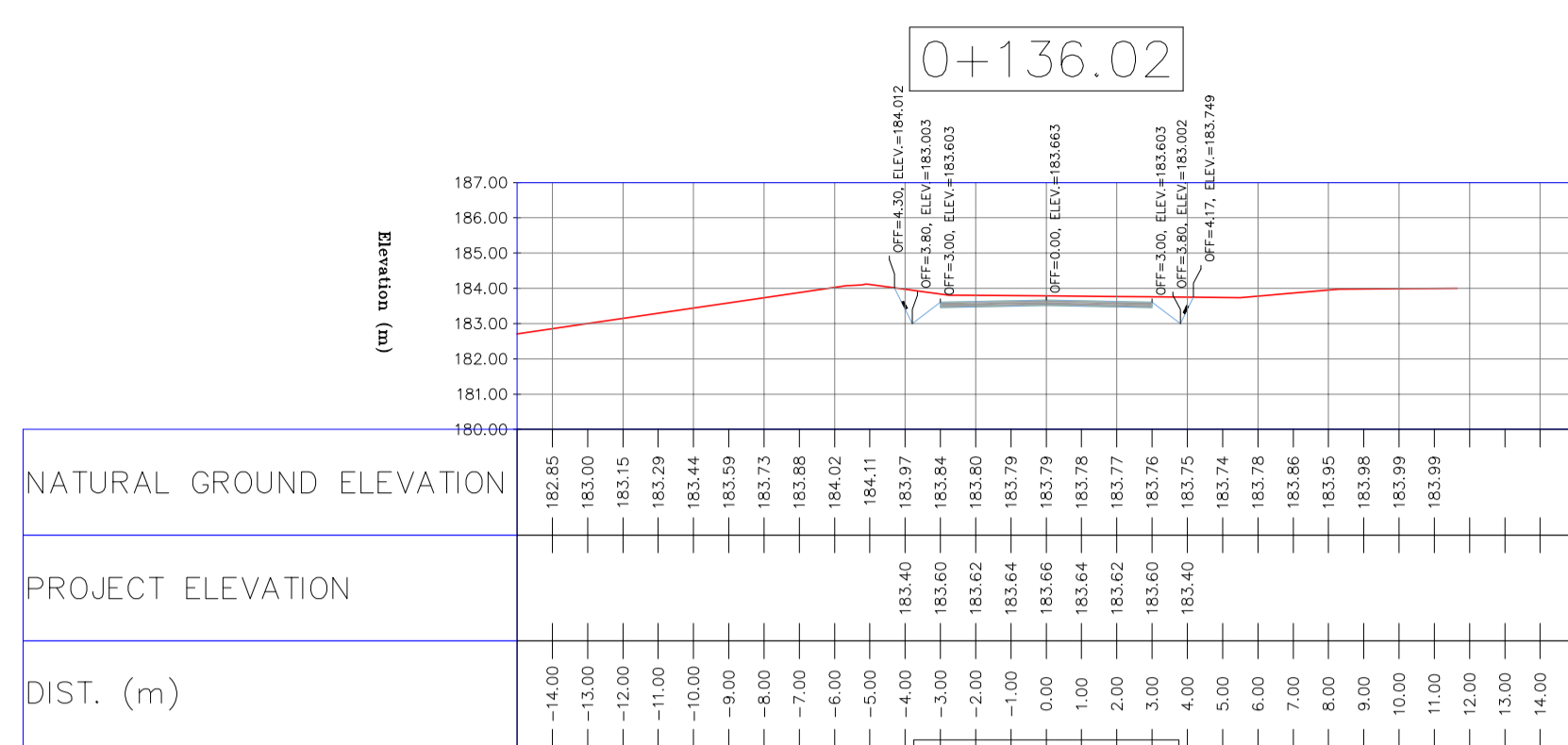
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	32 OF 101	DO3	053-073-9184	F	4	S	708209	32	DO3

TOTALLY REVISED



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 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: MSL
- 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-GNRL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN....) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

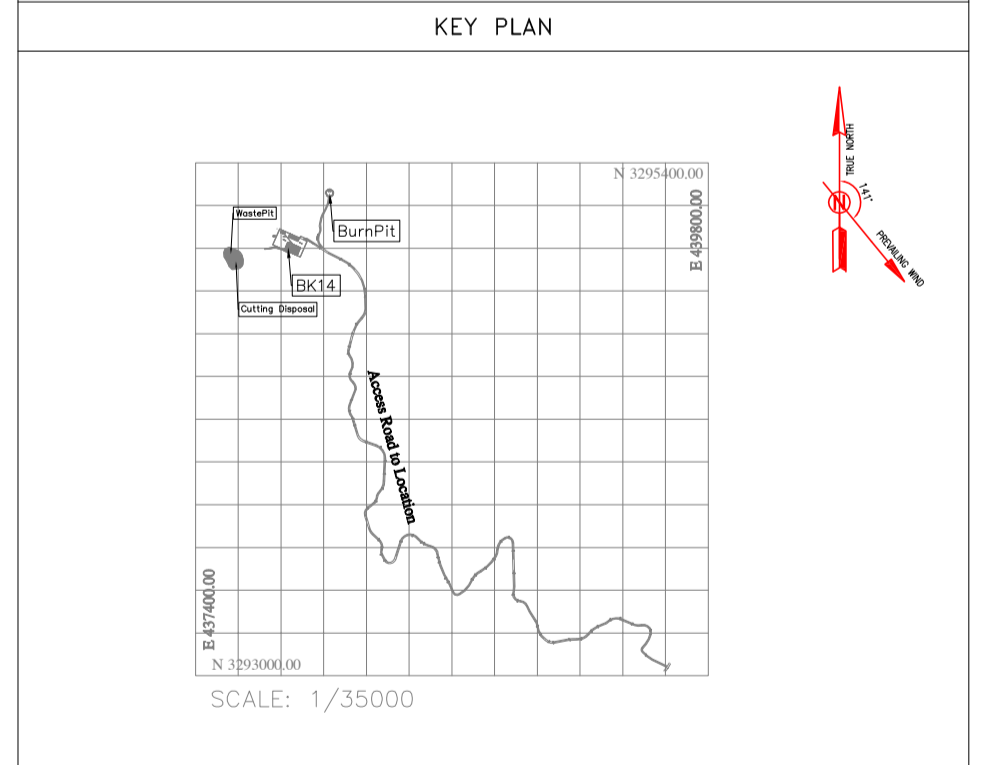
LEGEND

- WELL LOCATION
- WELL
- SITE
- CAMP SITE
- ASPHALT ROAD
- GRAVEL ROAD
- PROPOSED ROAD
- DAYLIGHT
- CANAL
- RIVER
- WATER COURSE
- CONTOURS
- SPOT HEIGHT
- BENCH MARK
- BRIDGE
- CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

REV.	DESCRIPTION	BY	DATE	BY	DATE
***	*****	*****	*****	***	*****

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
 PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

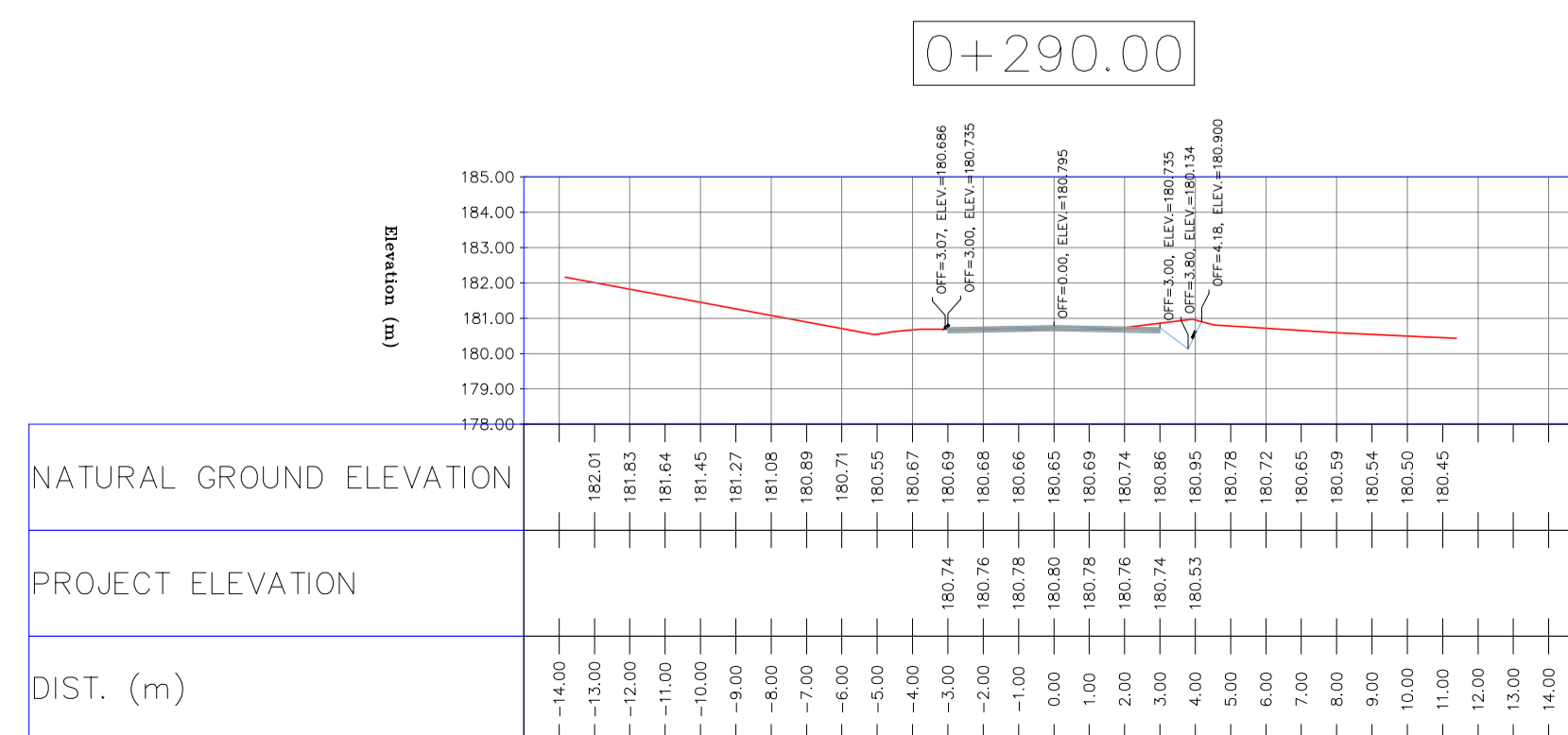
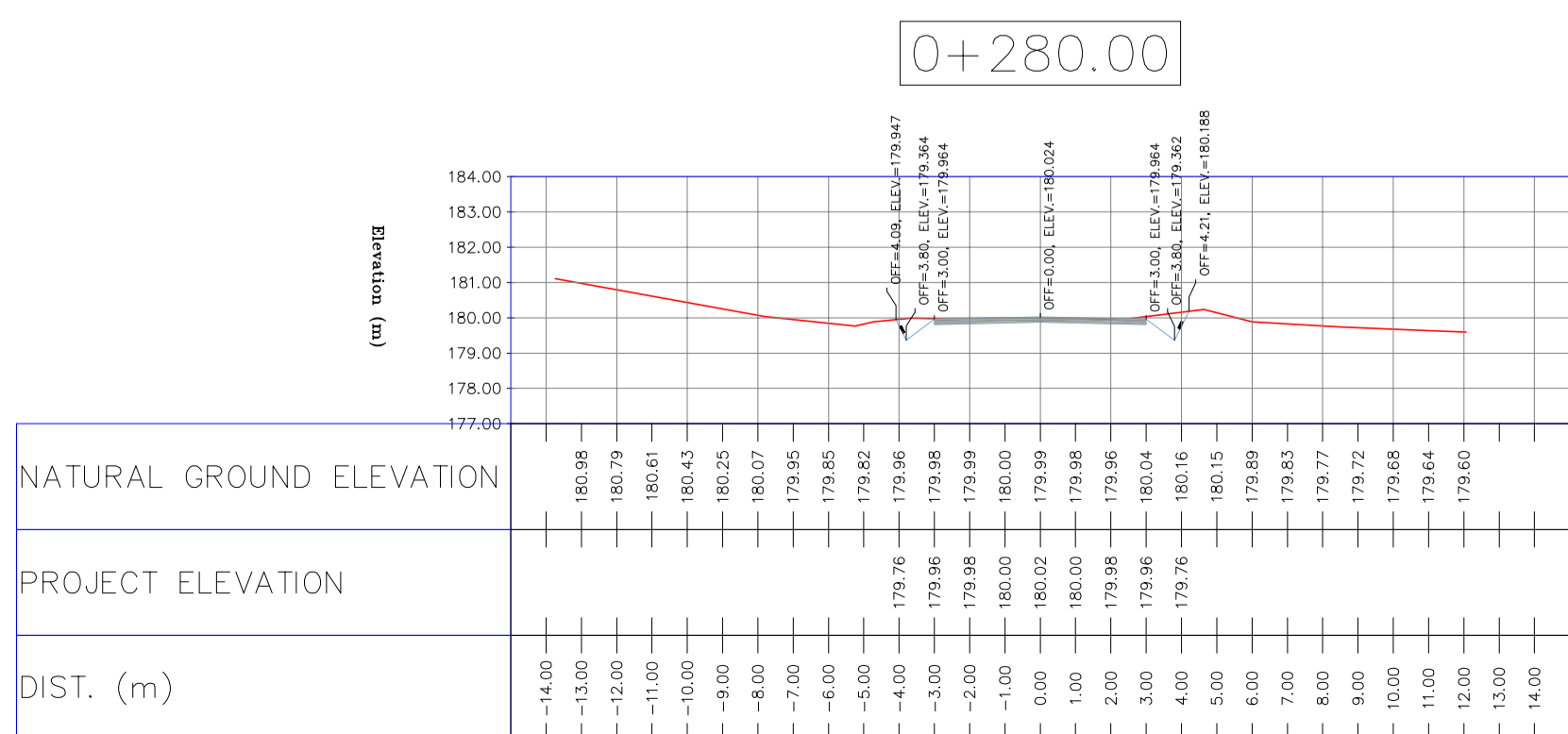
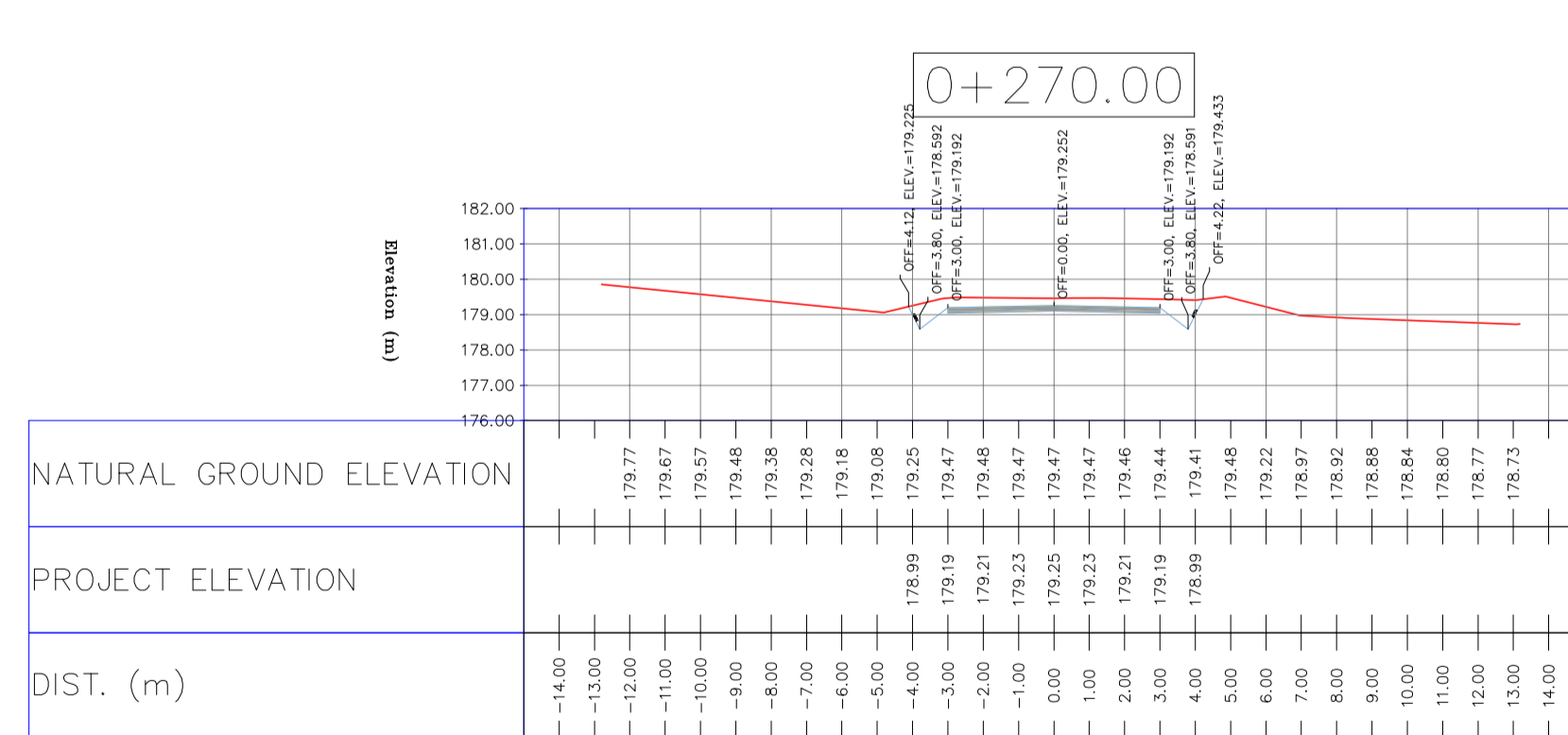
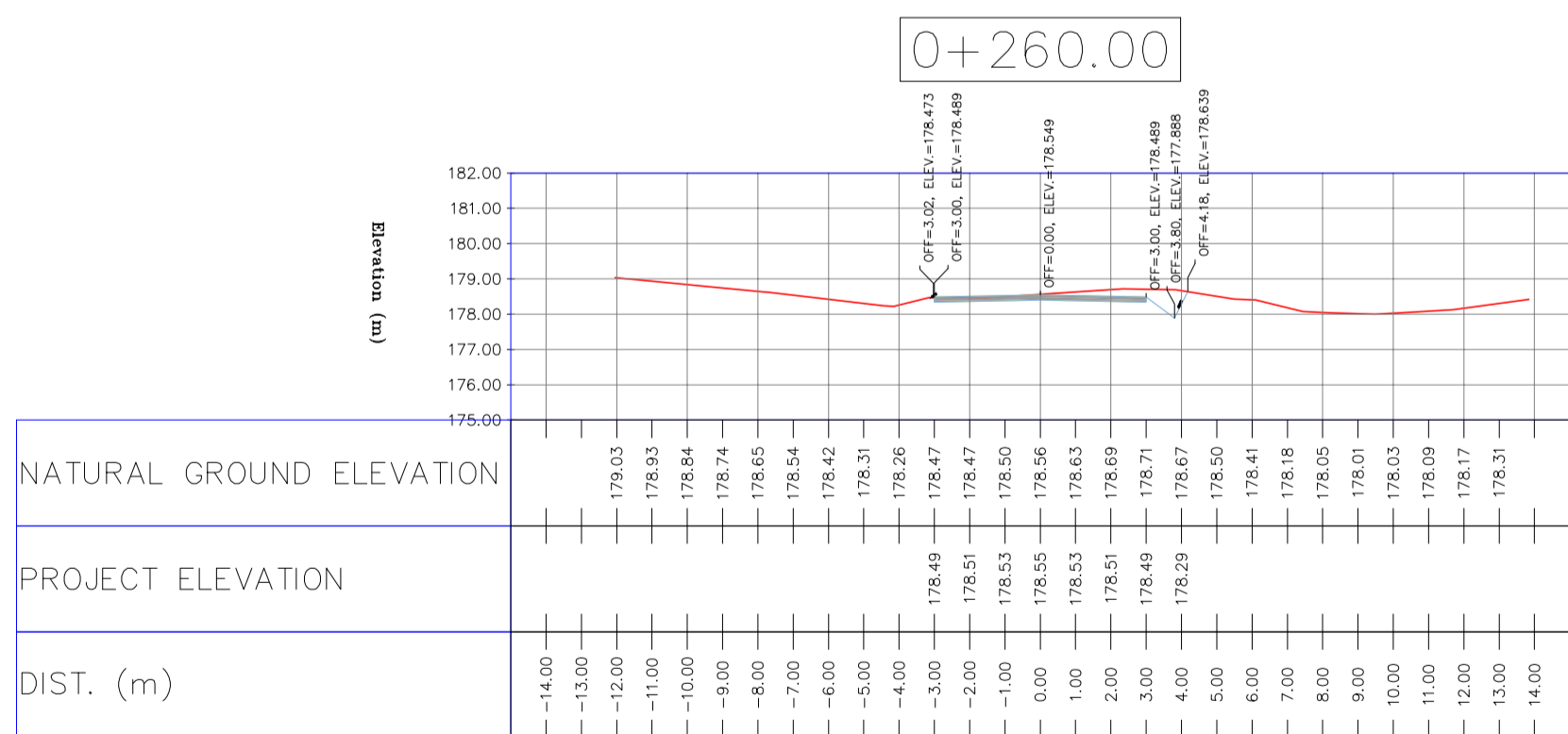
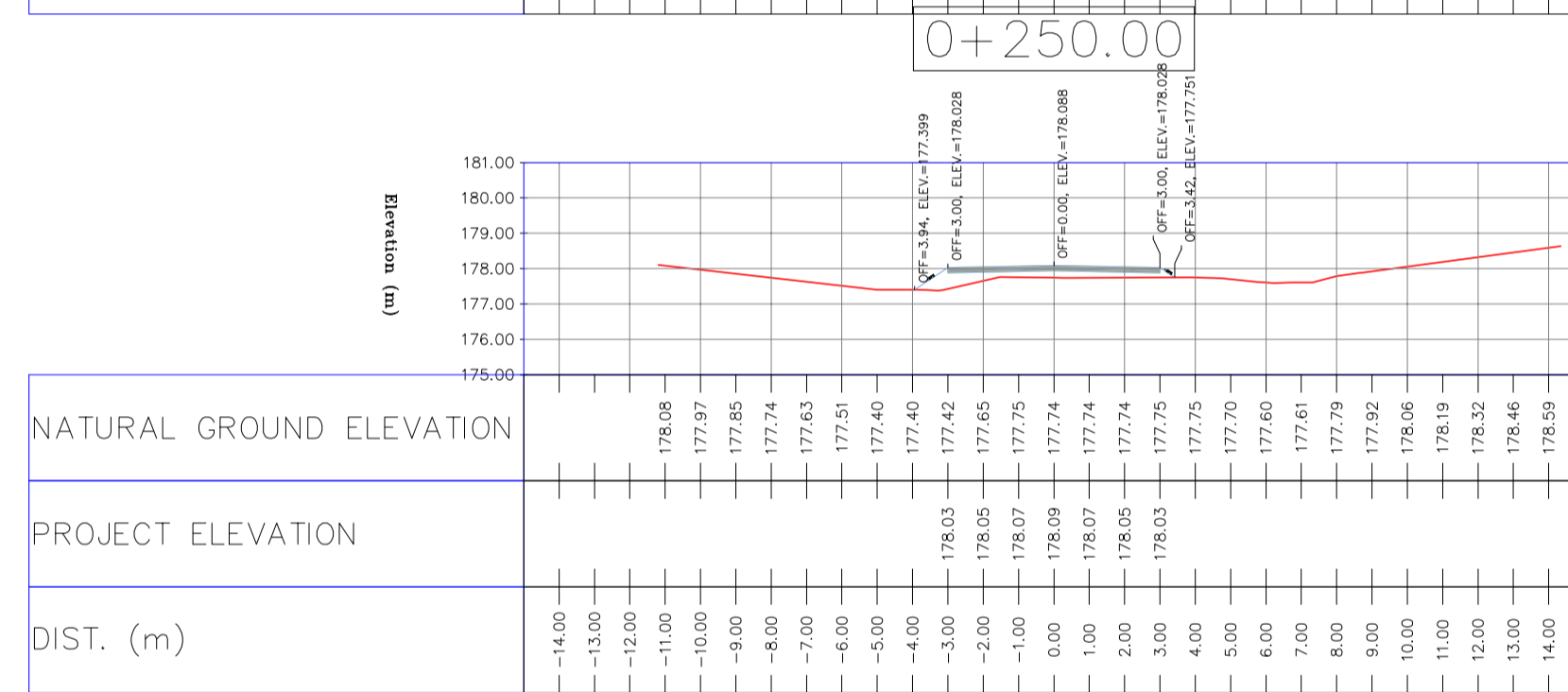
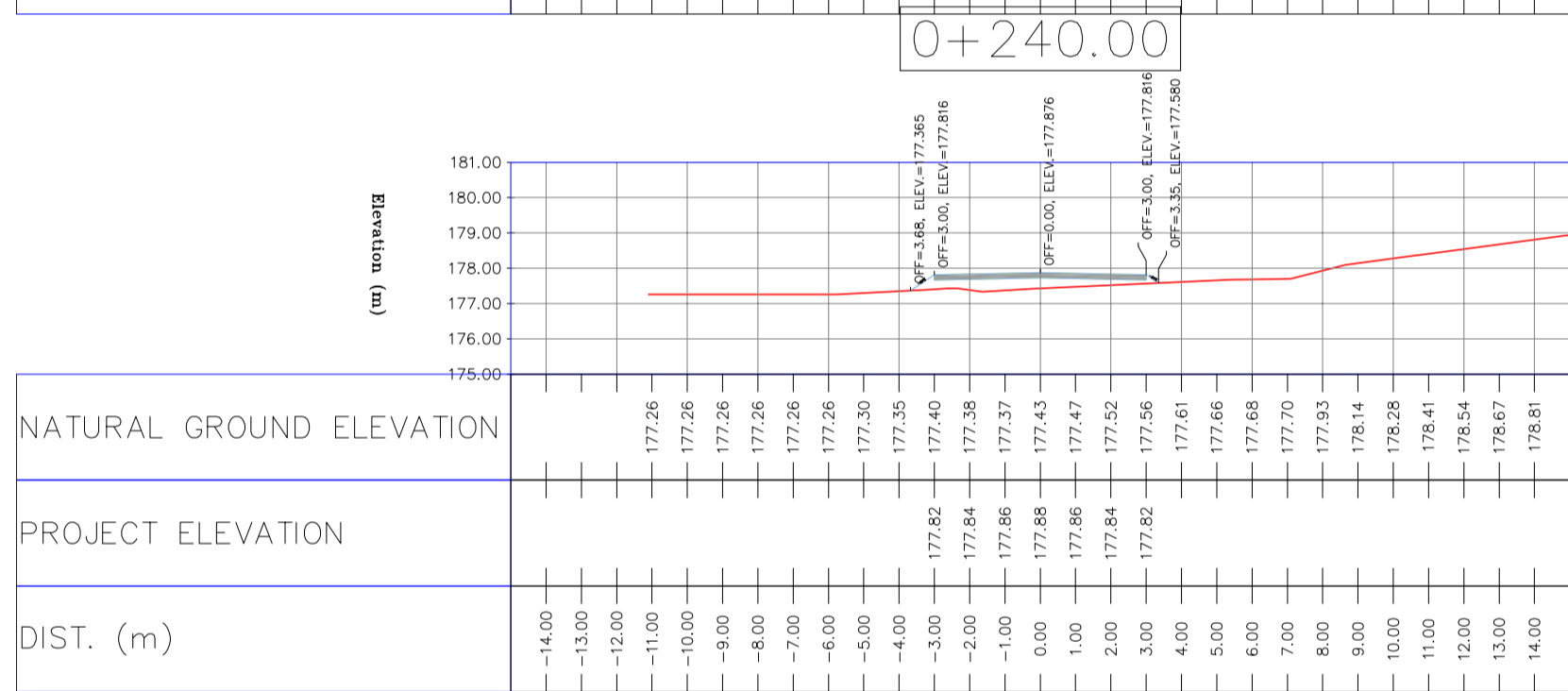
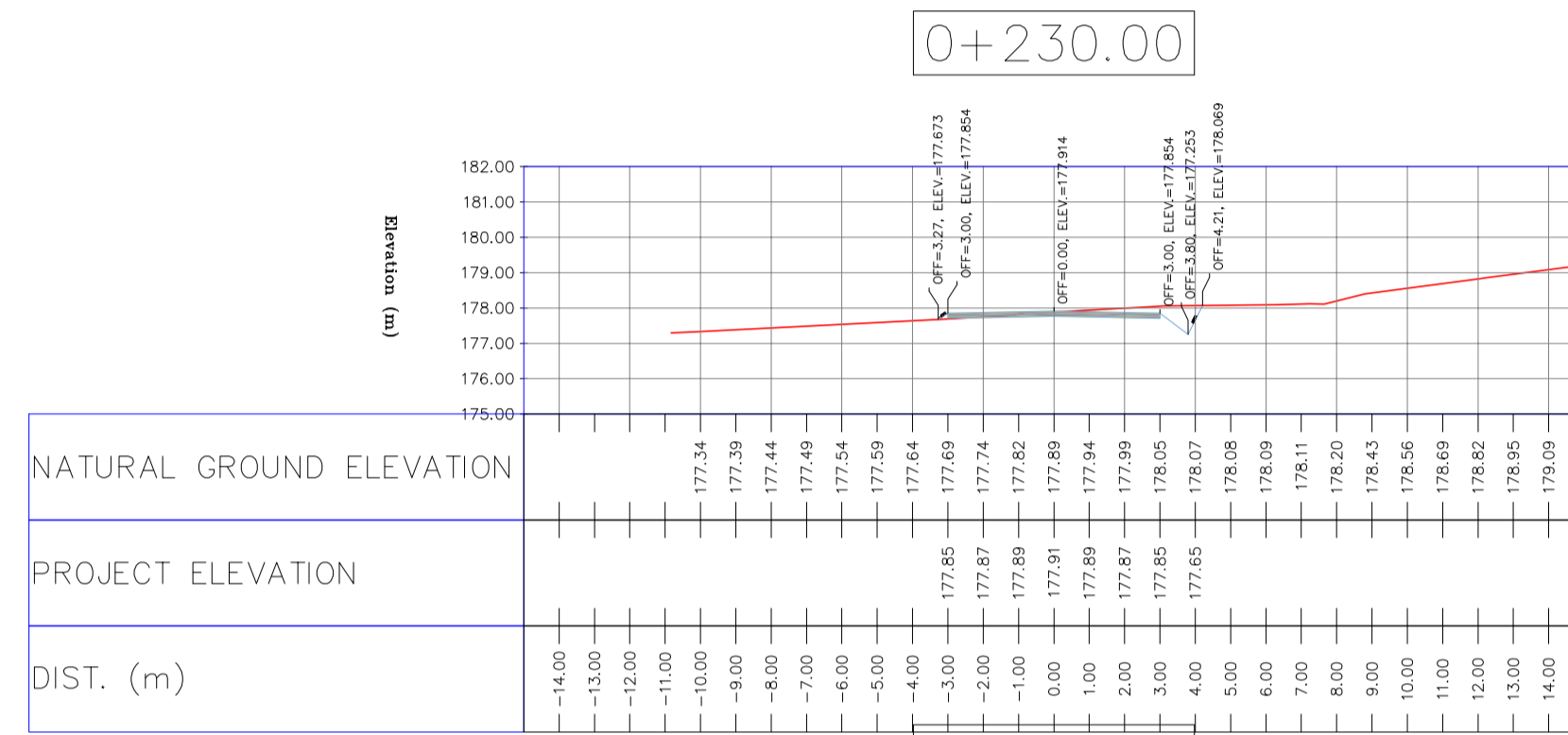
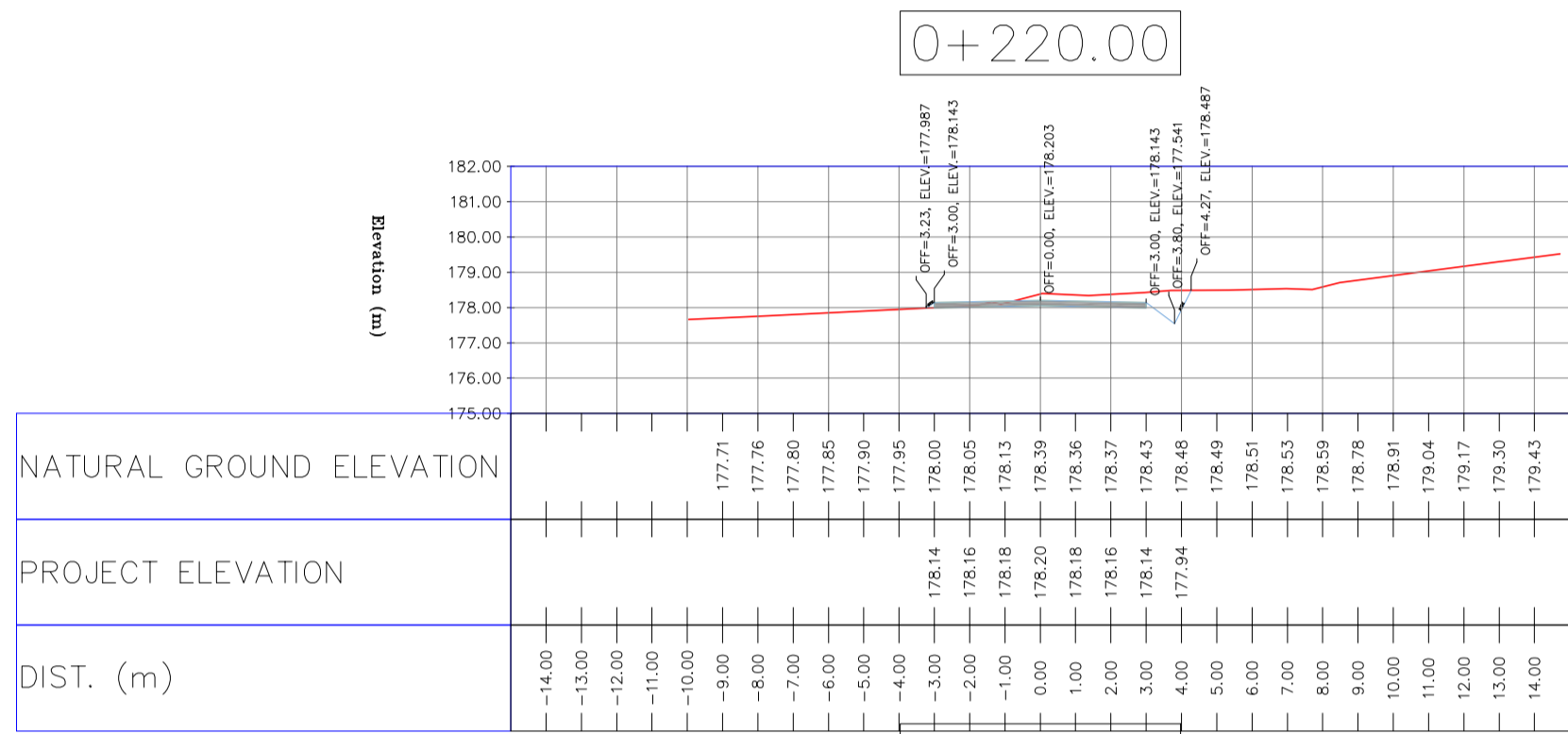
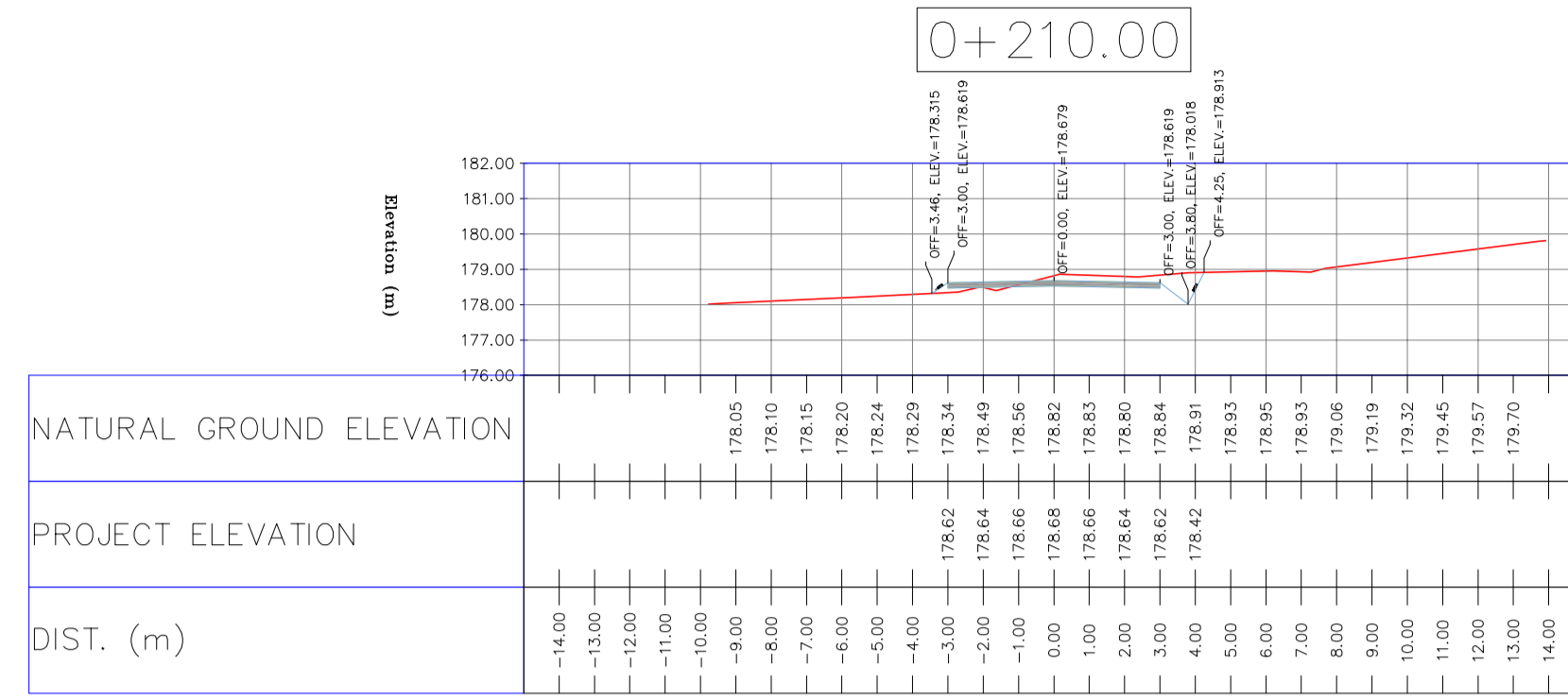
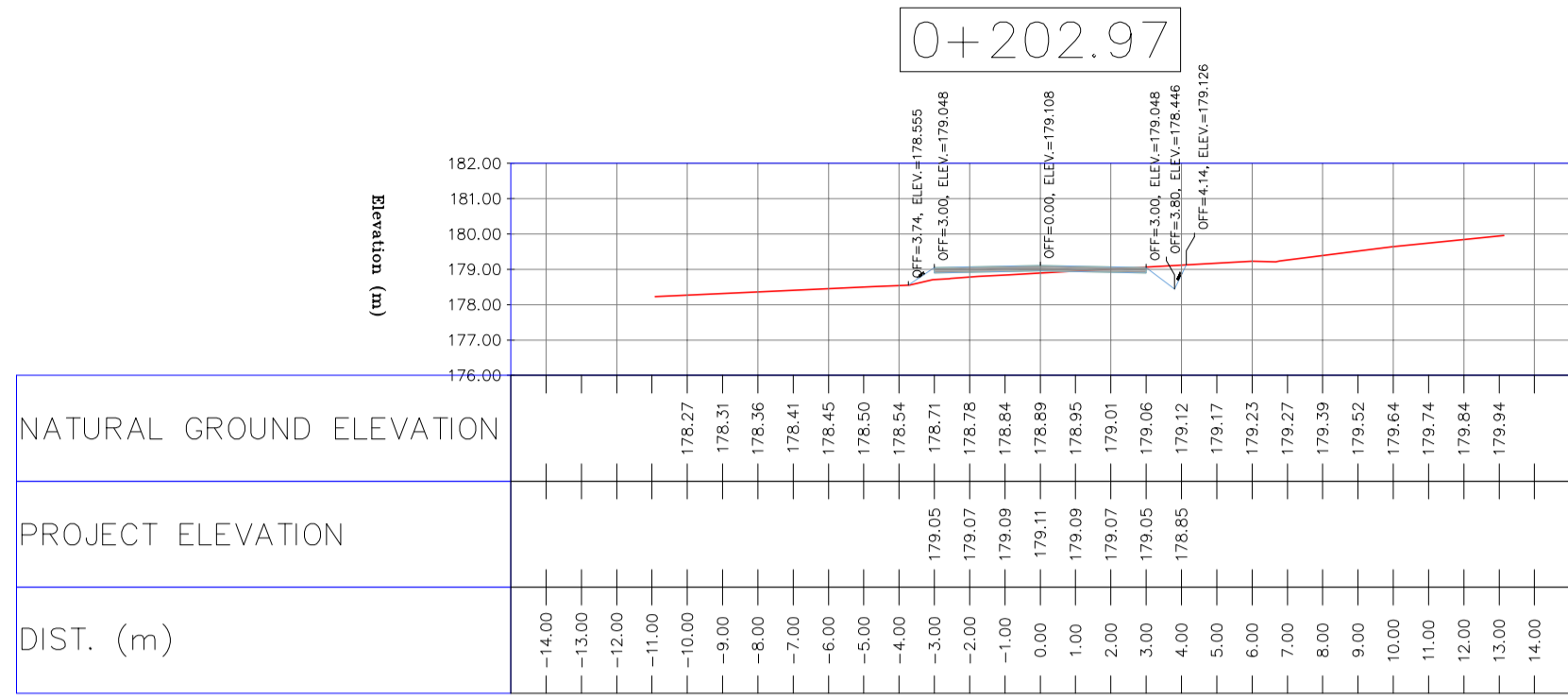
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

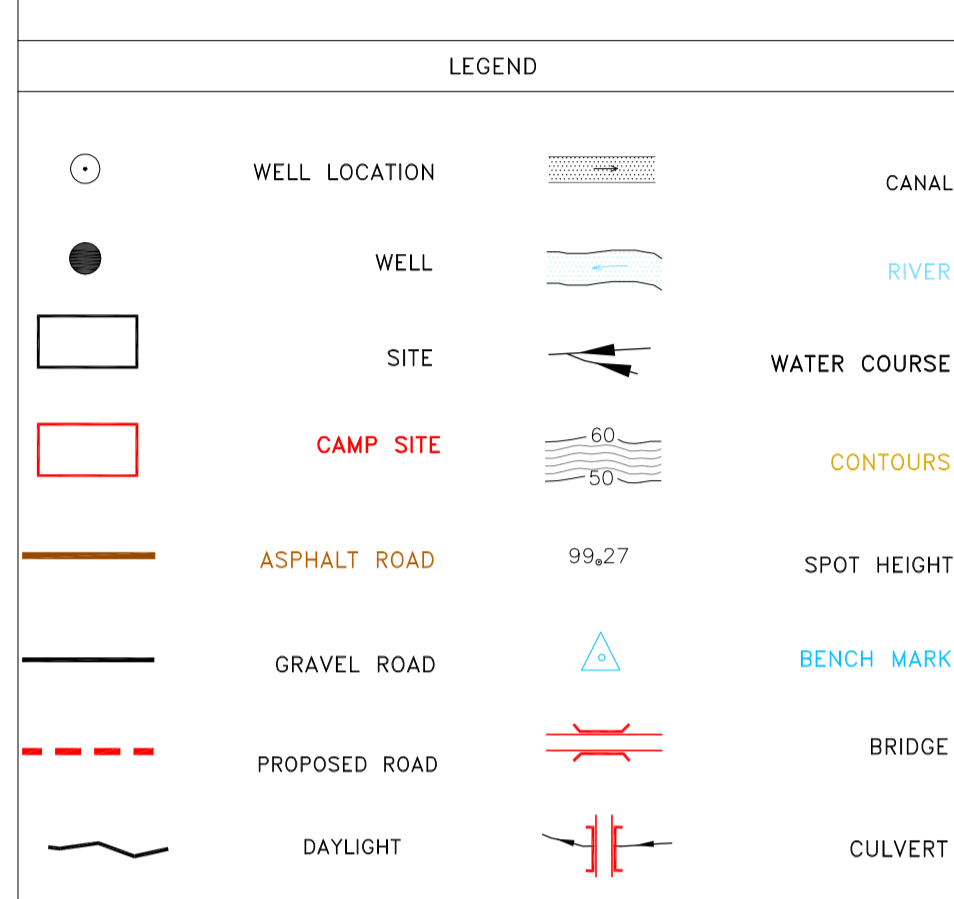
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	35 OF 101	D03	053-073-9184	F	4	S	708209	35	D03



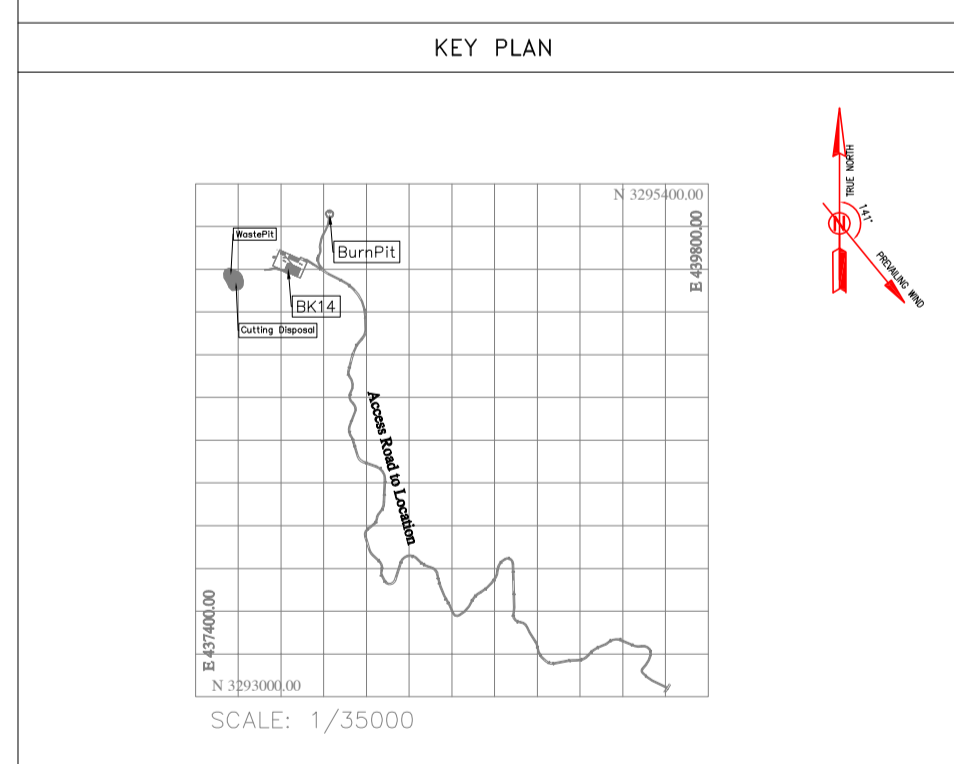
- NOTES
- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 3-GEODEIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - 4-THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
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- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-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.



REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
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EVC= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

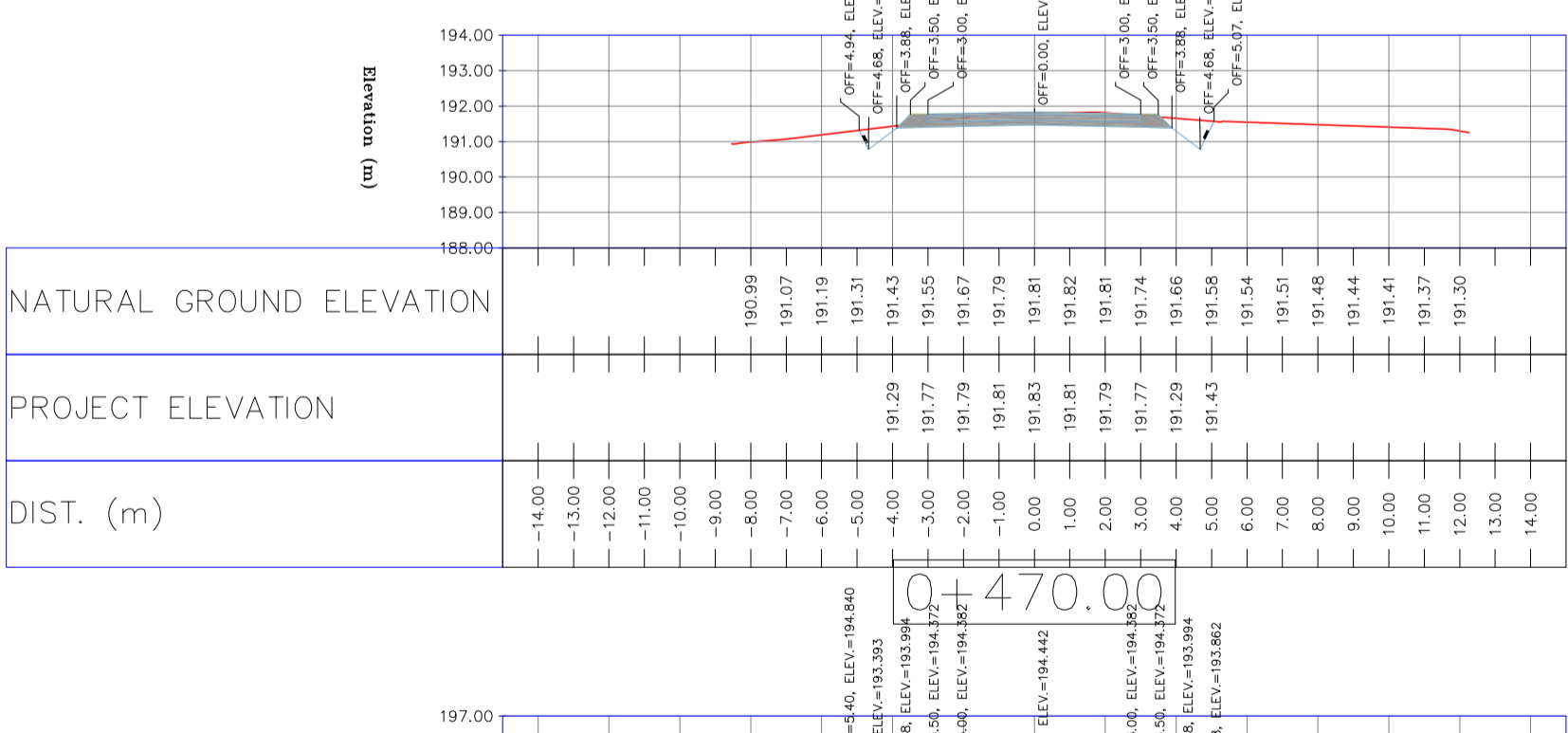
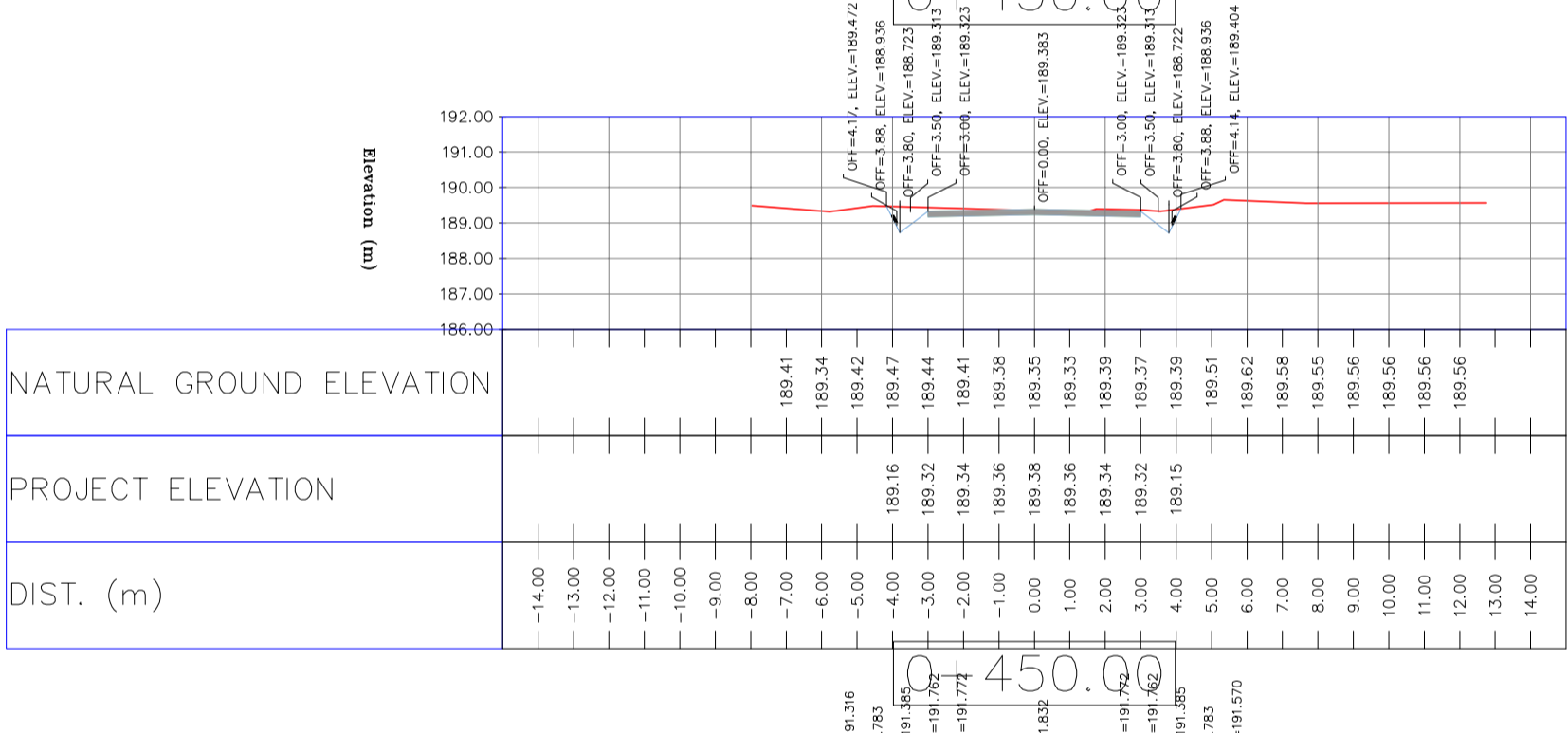
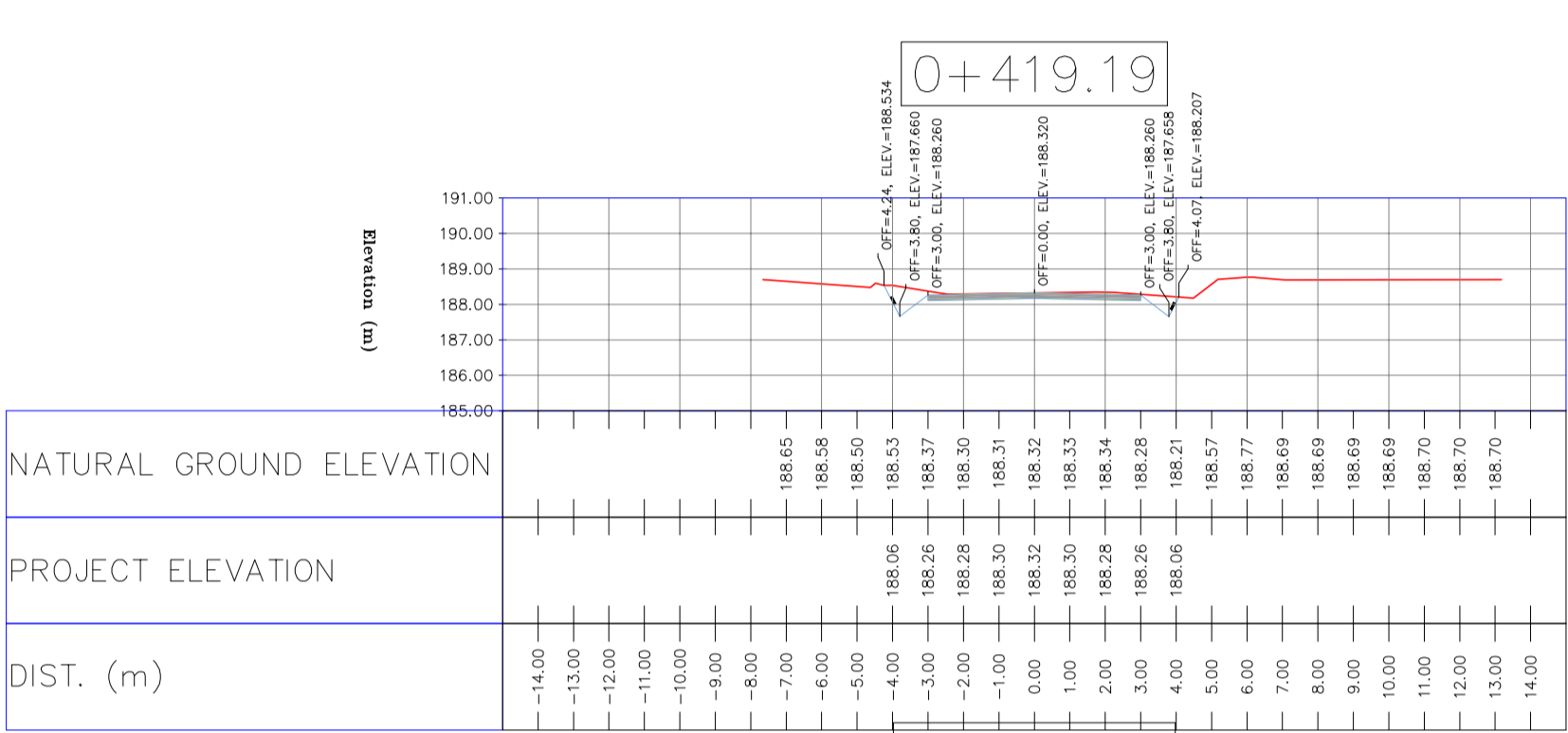
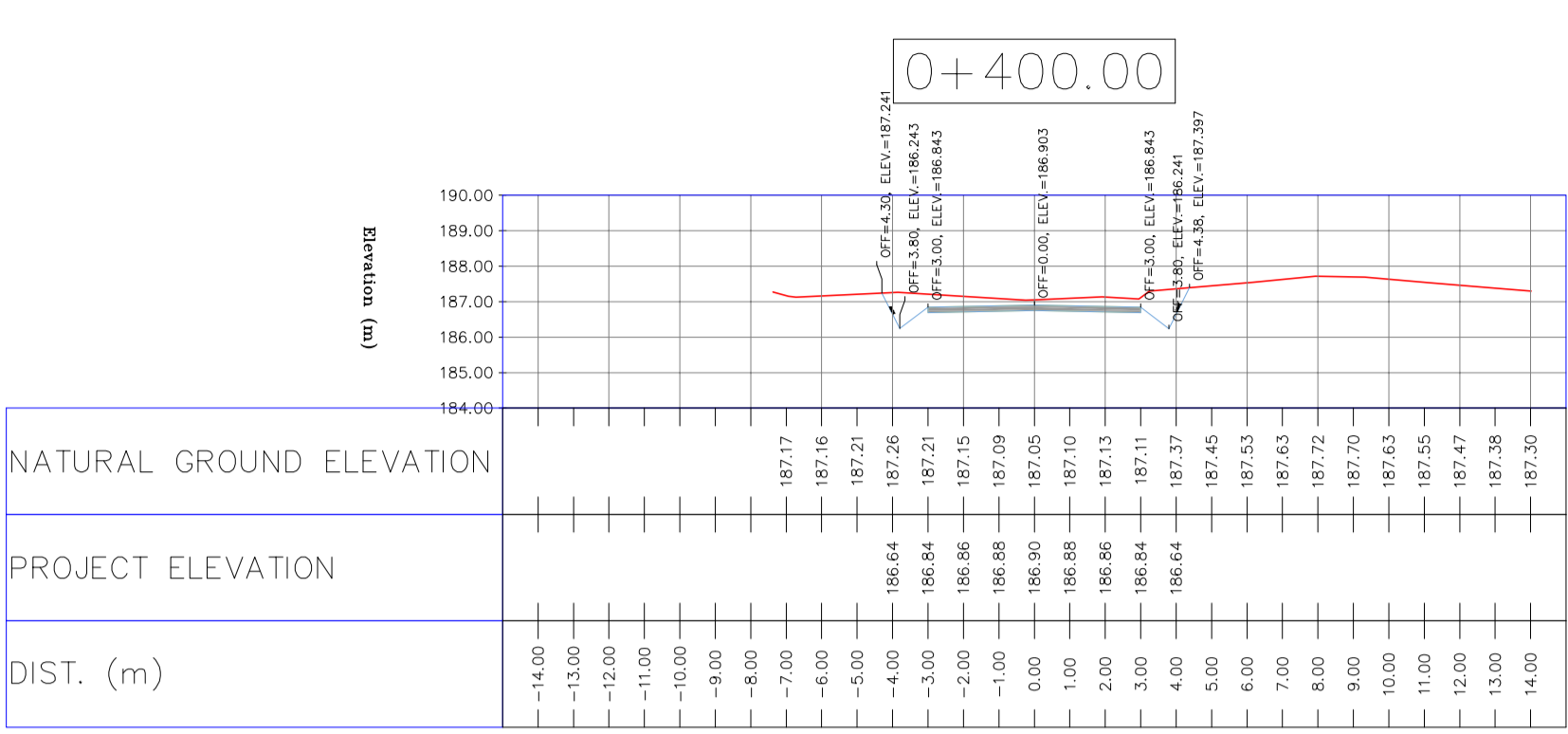
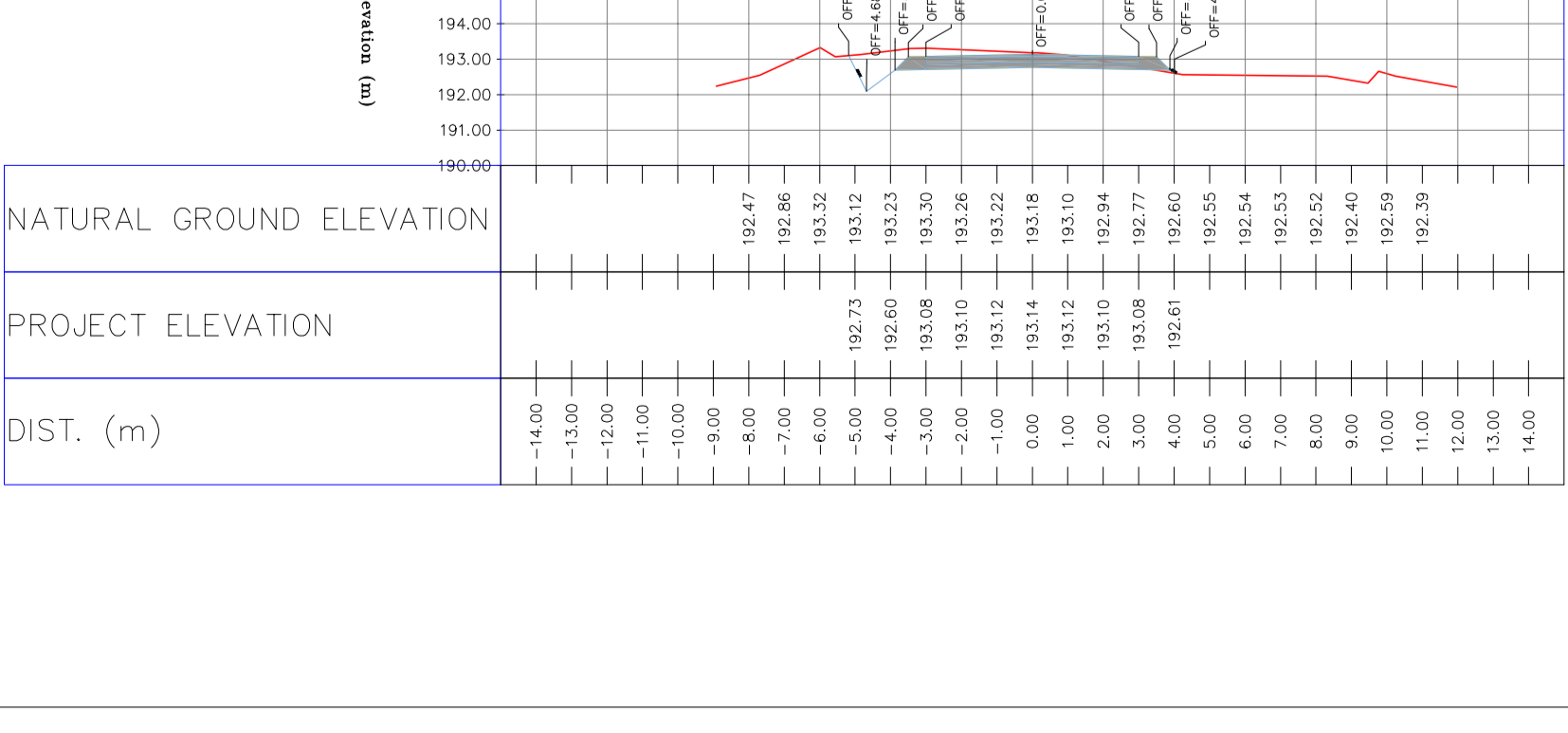
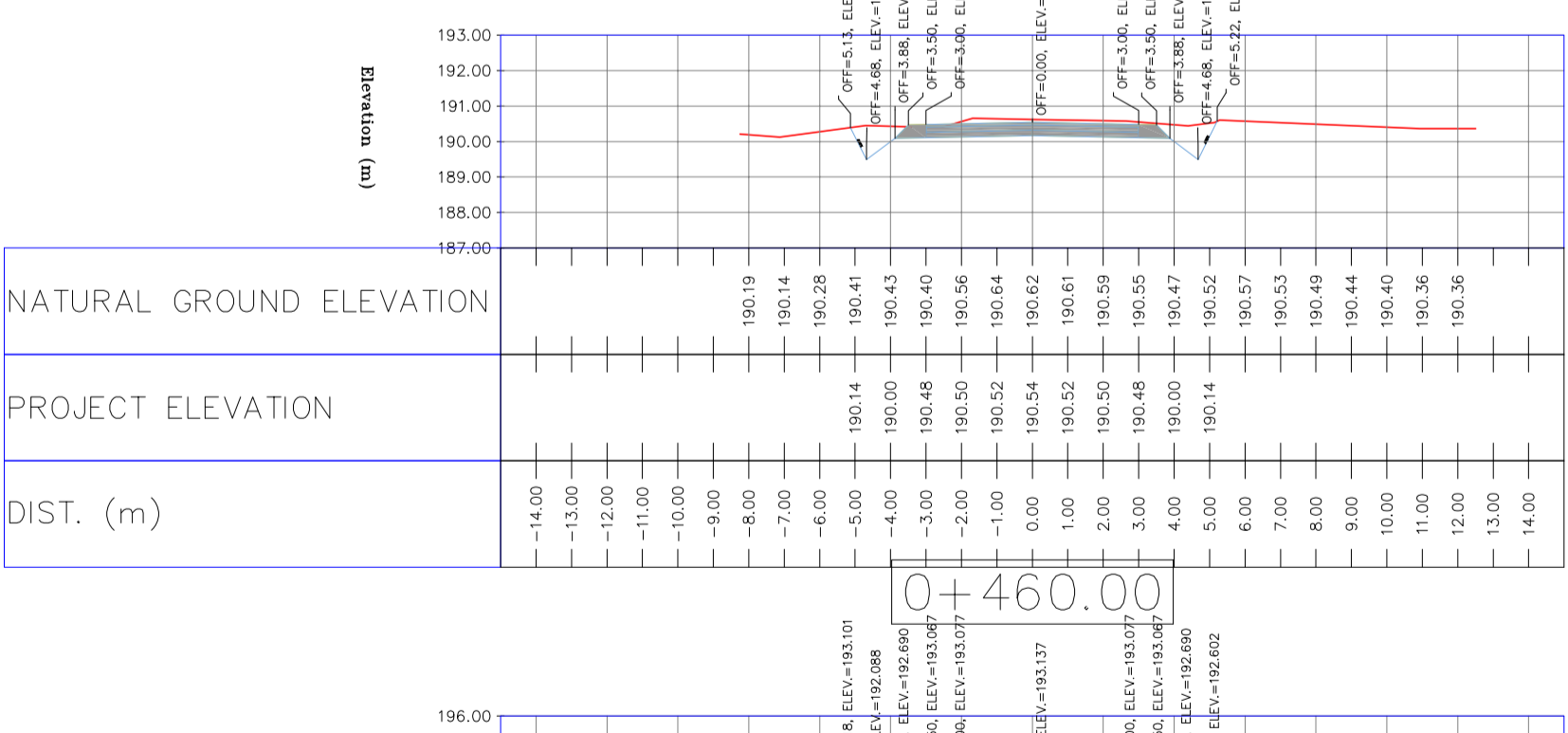
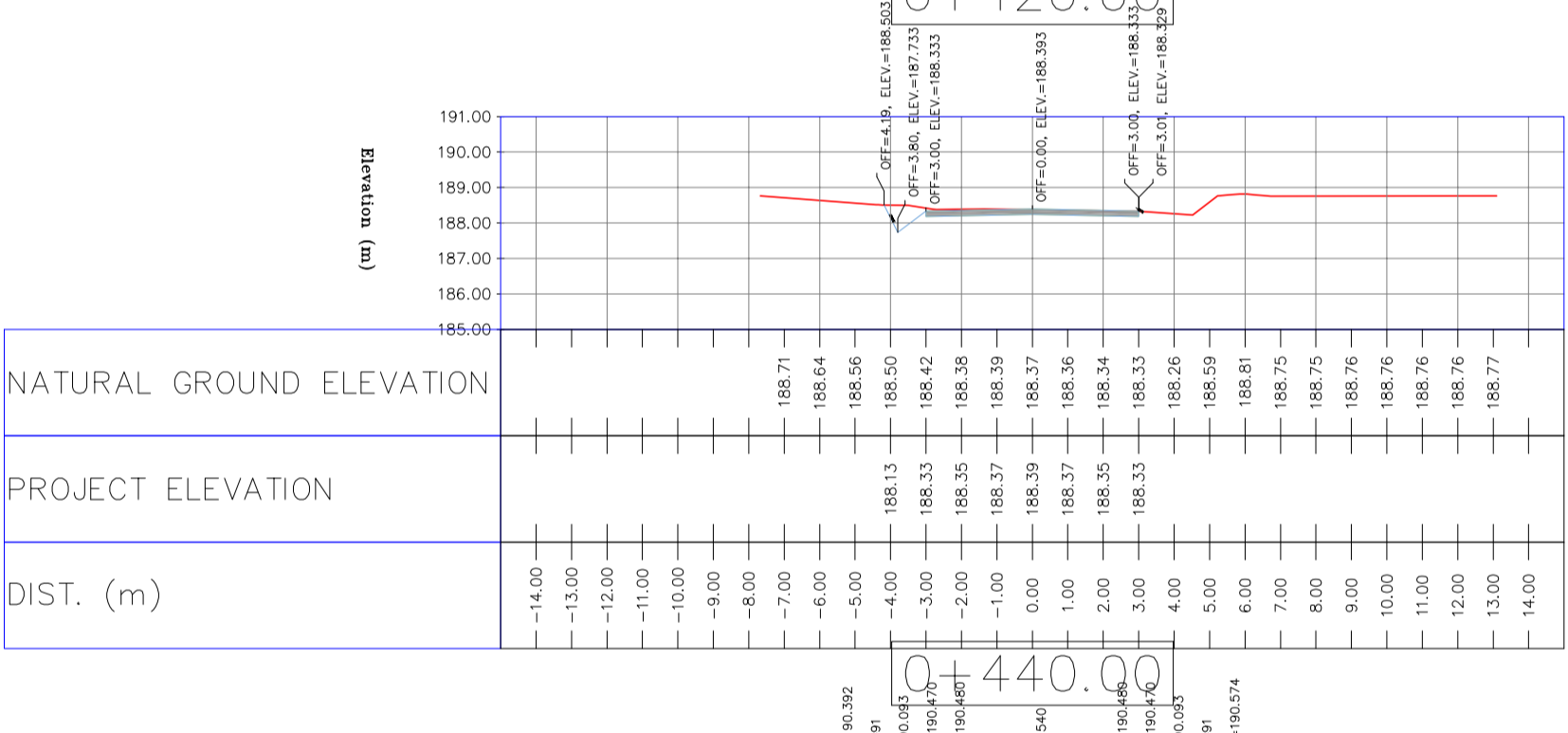
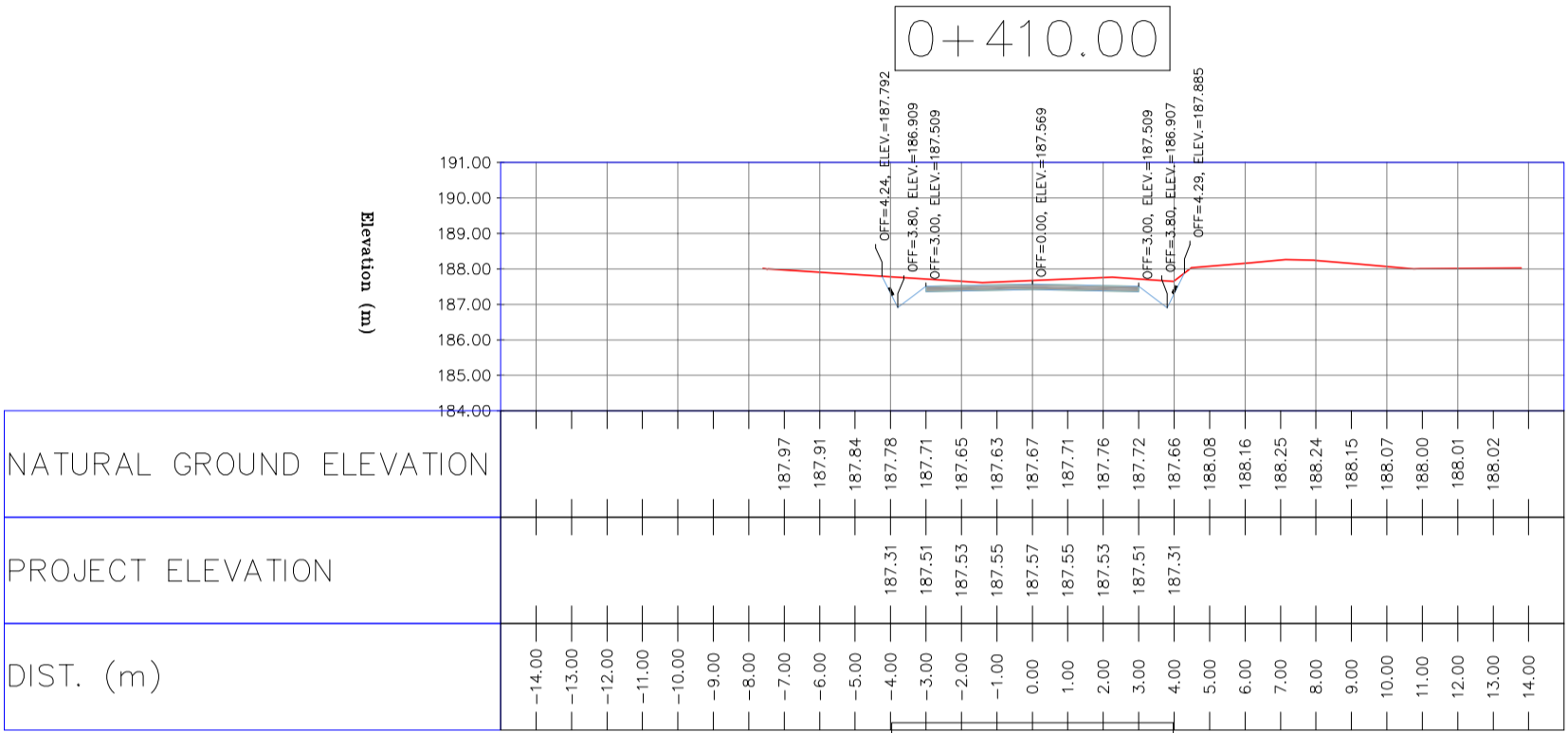
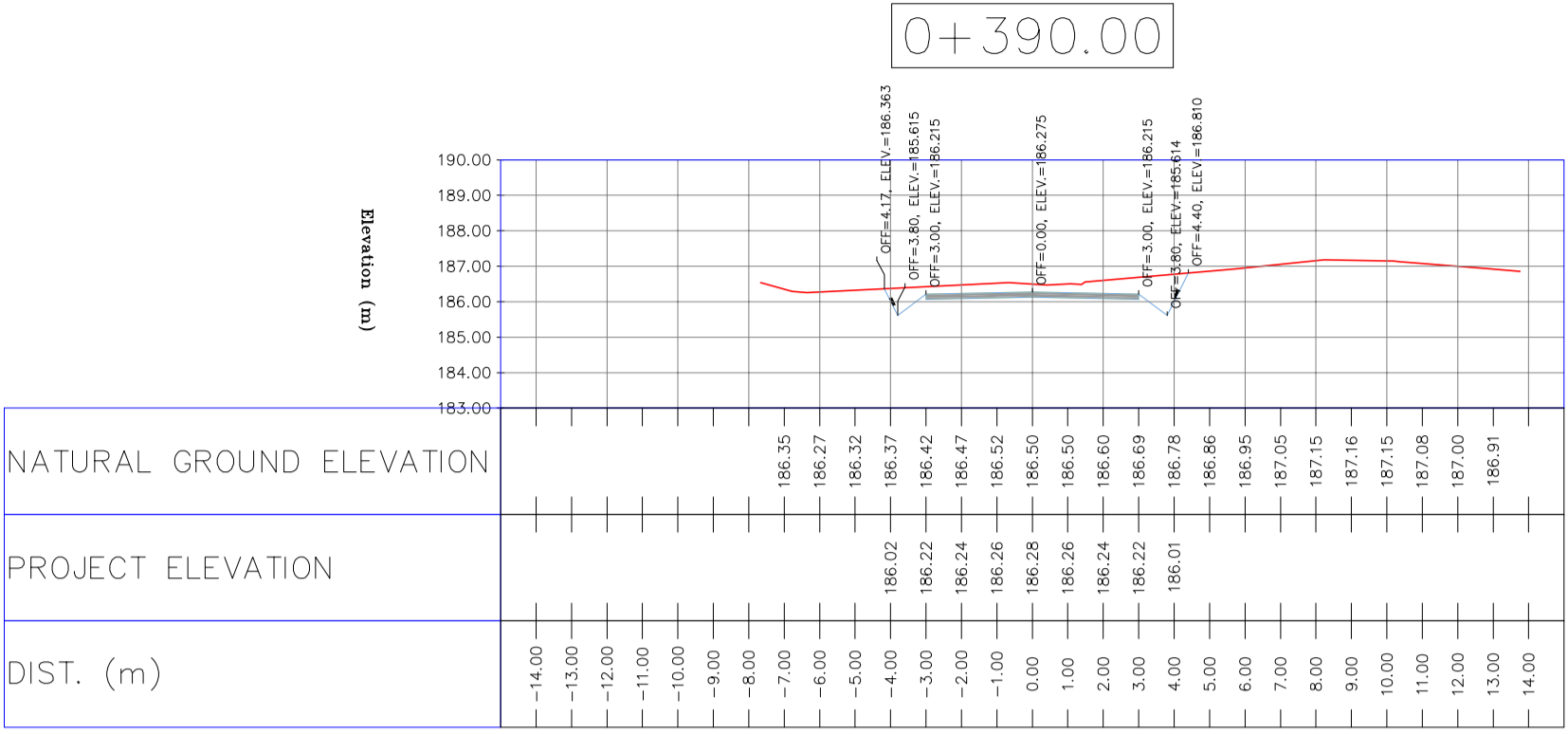
DATE: SCALE: DRAWING BY: CHECKED BY: PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	36	D03

TOTALLY REVISED



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
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ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
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 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
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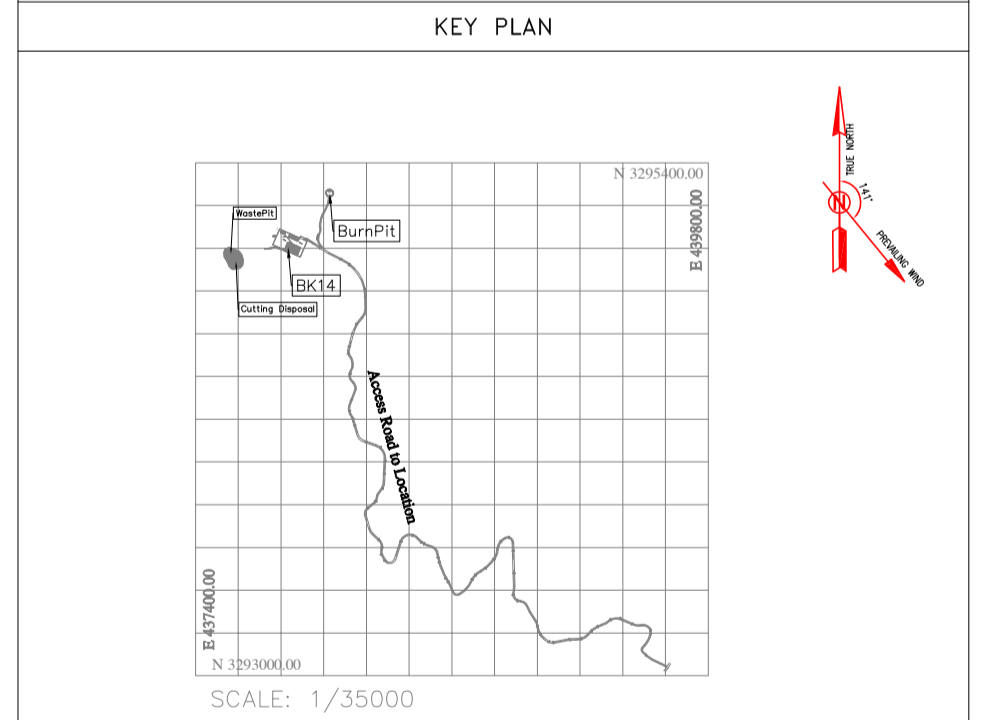
LEGEND

⊙	WELL LOCATION		CANAL
●	WELL		RIVER
□	SITE		WATER COURSE
◻	CAMP SITE		CONTOURS
	ASPHALT ROAD	99.27	SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-SW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: **HIRGAN ENERGY**
HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

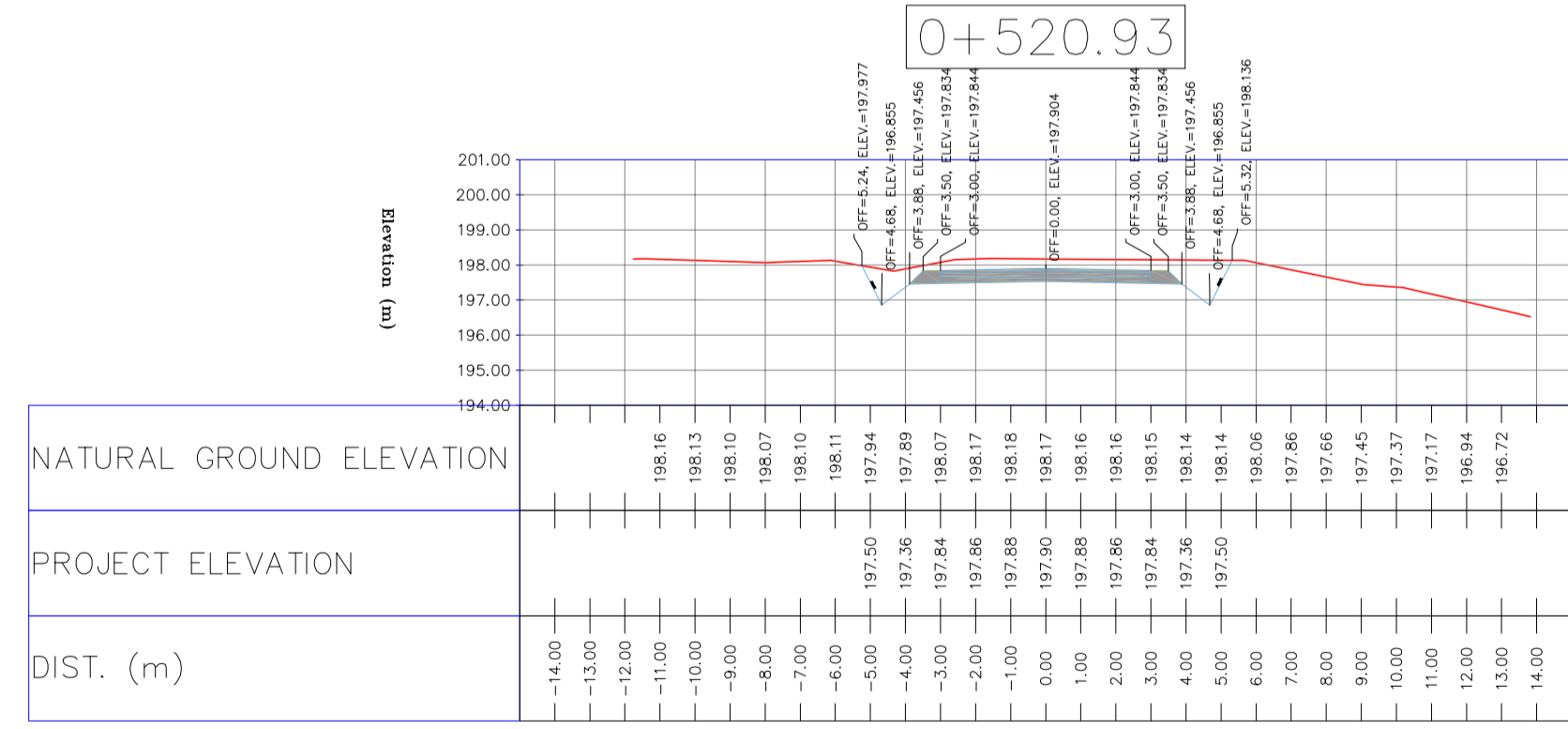
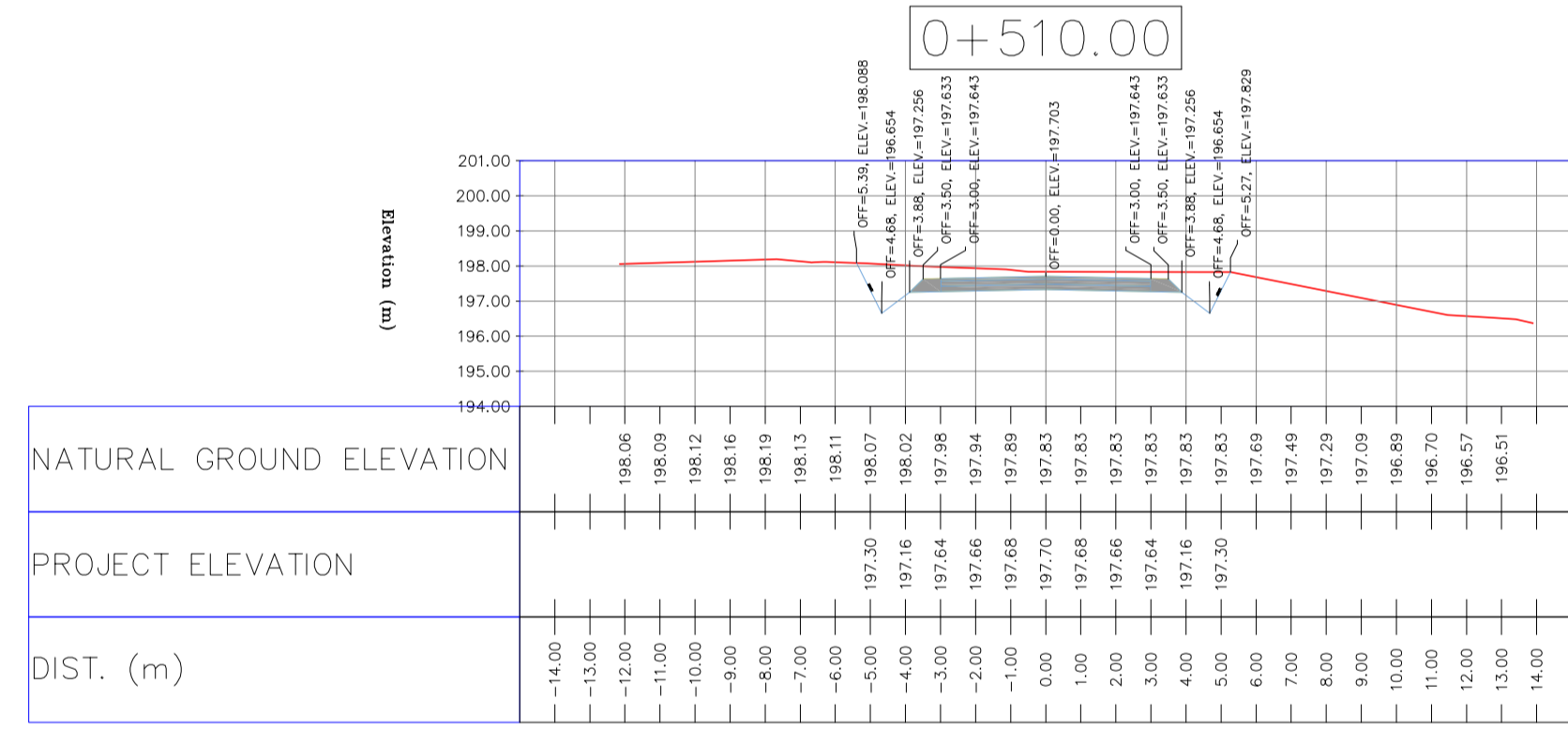
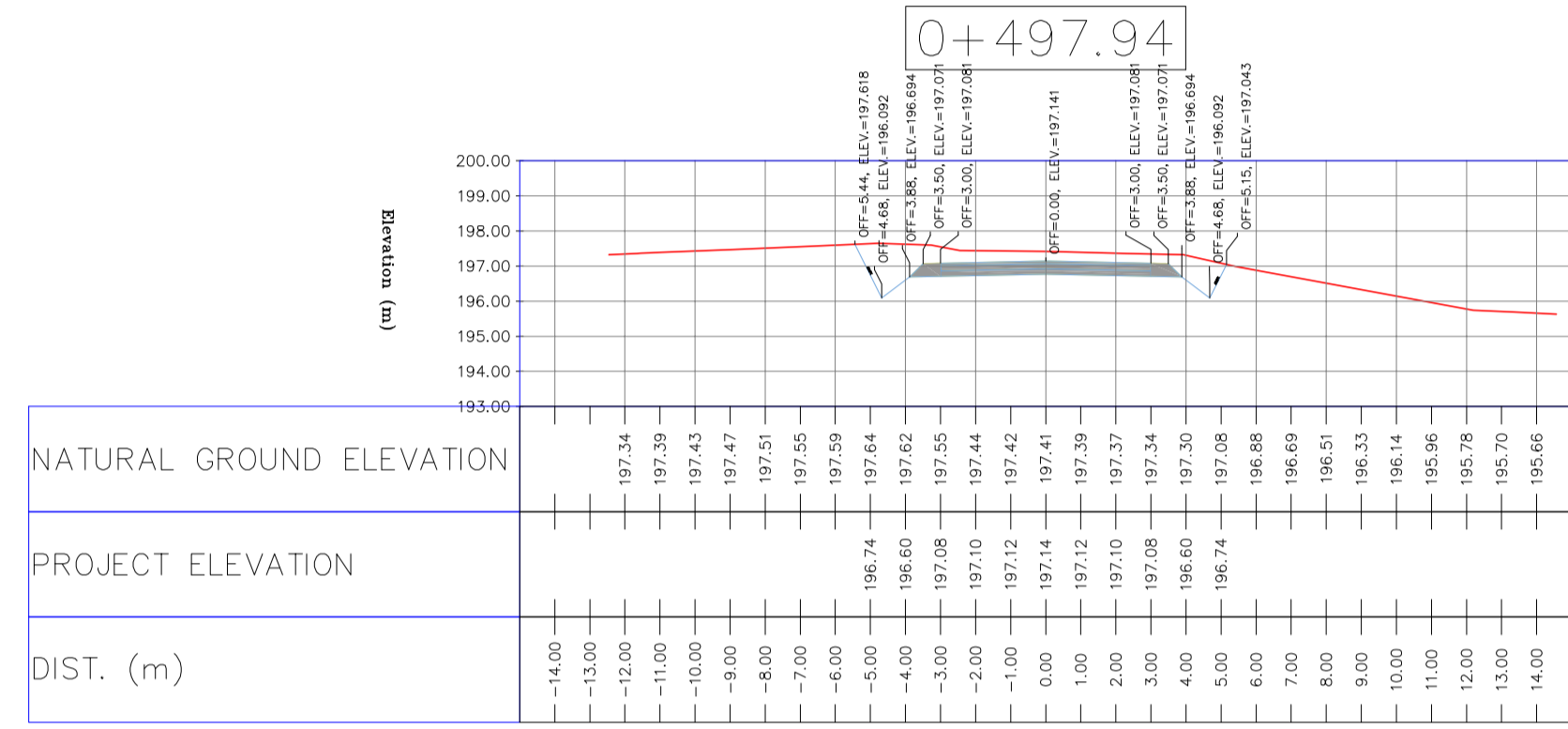
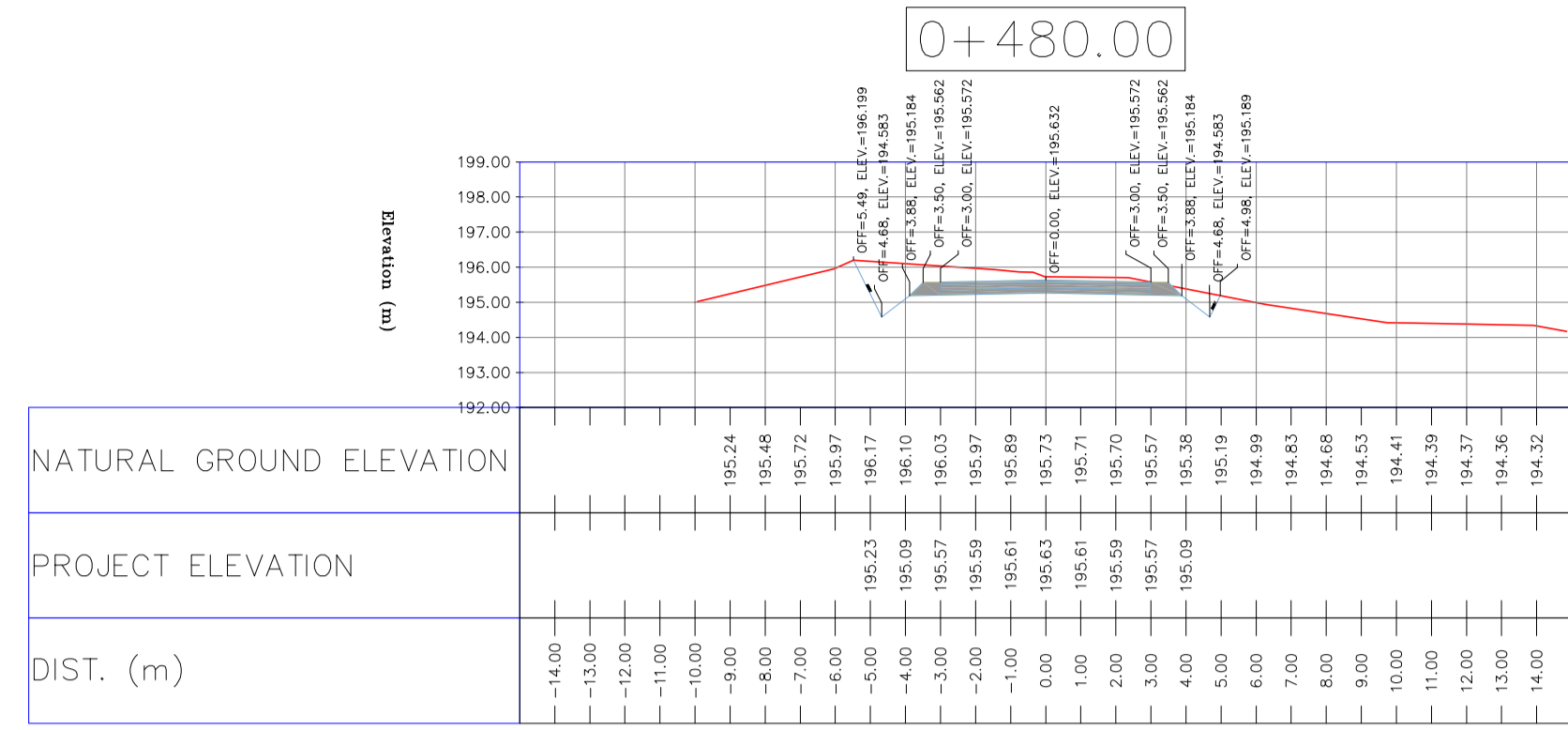
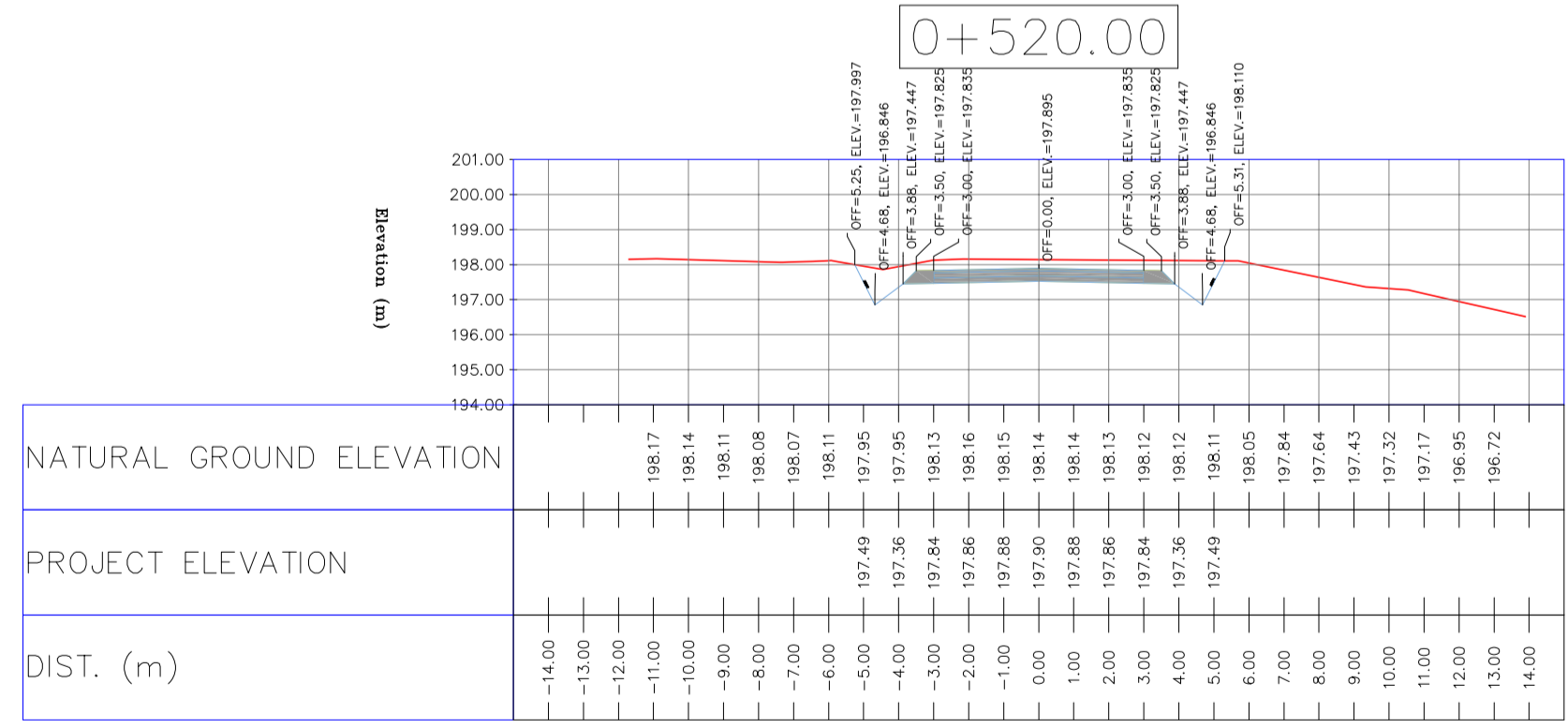
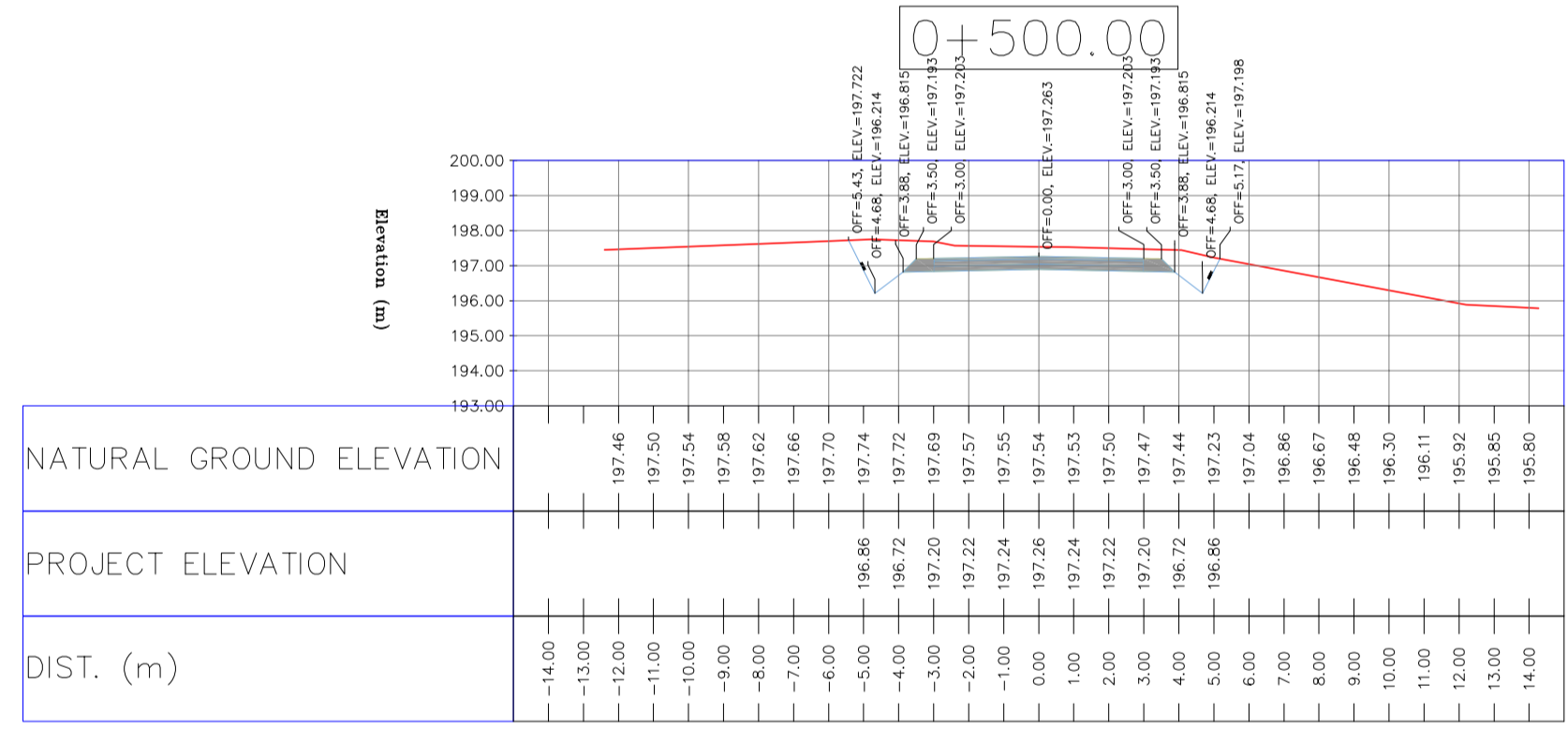
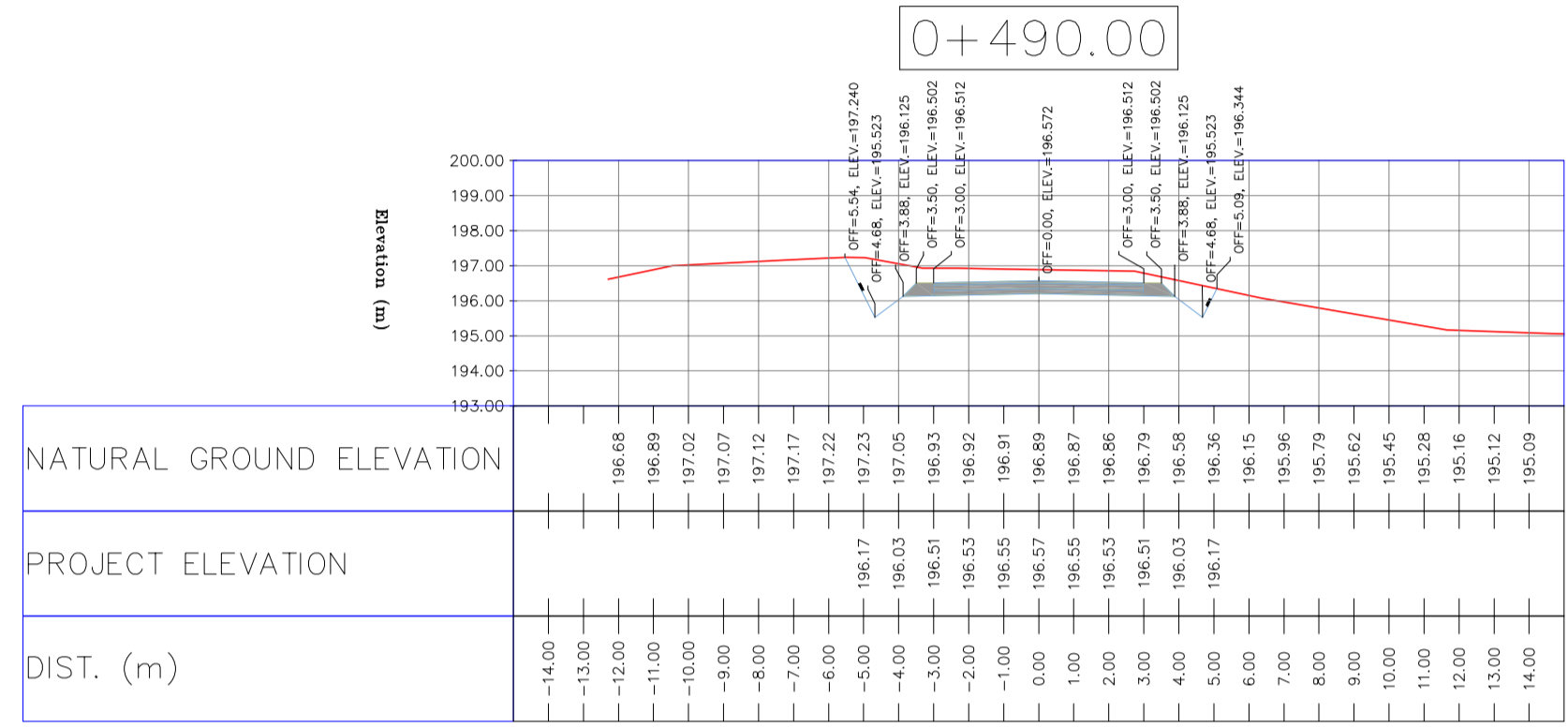
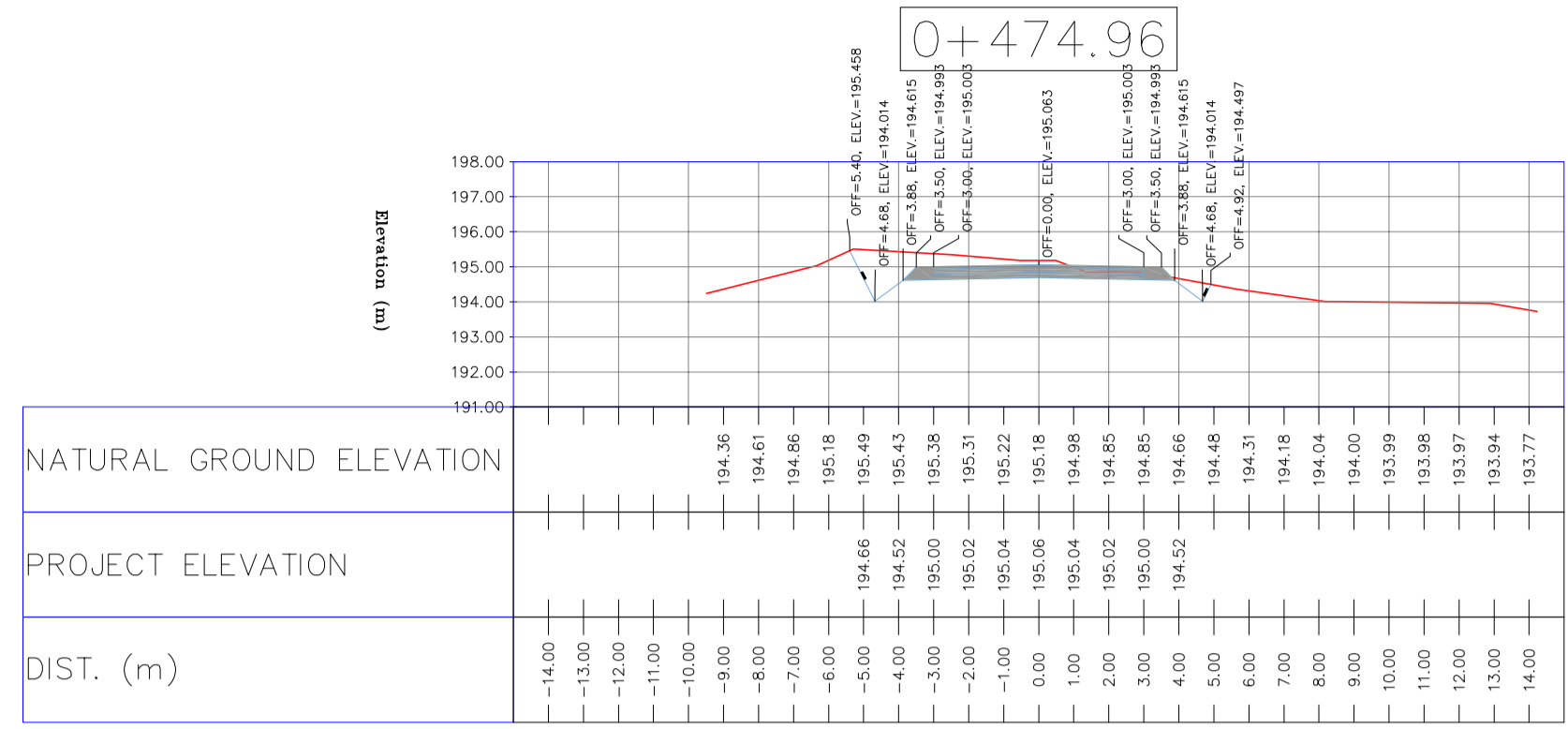
EPD/EPC CONTRACTOR(GC): **PETROIRAN DEVELOPMENT COMPANY**
PETCO

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	38 OF 101	D03	053-073-9184	F	4	S	708209	38	D03

TOTALLY REVISED



NOTES

- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
- 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 3-GEODETTIC PARAMETERS FOR COORDINATES ARE AS BELOW:
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ELLIPSOID: WORLD GEODETTIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
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- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
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LEGEND

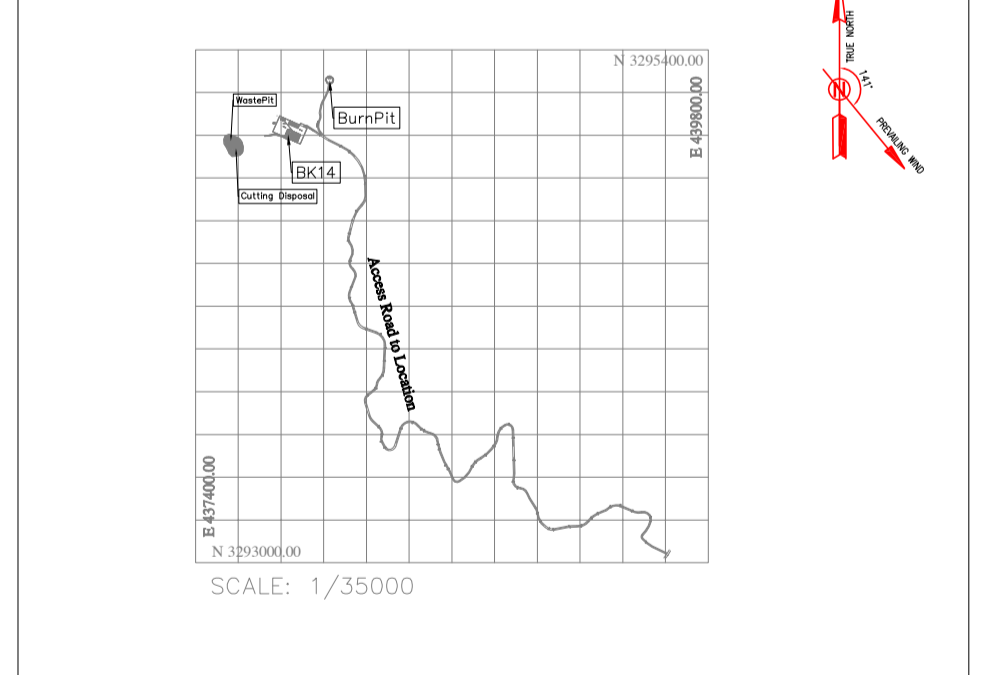
●	WELL LOCATION		CANAL
○	WELL	==	RIVER
□	SITE	←	WATER COURSE
▭	CAMP SITE	50 50	CONTOURS
—	ASPHALT ROAD	99.27	SPOT HEIGHT
- - -	GRAVEL ROAD	△	BENCH MARK
--- ---	PROPOSED ROAD	==	BRIDGE
~	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

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LVC= LENGTH OF VERTICAL CURVE
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BVCE= BEGIM OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

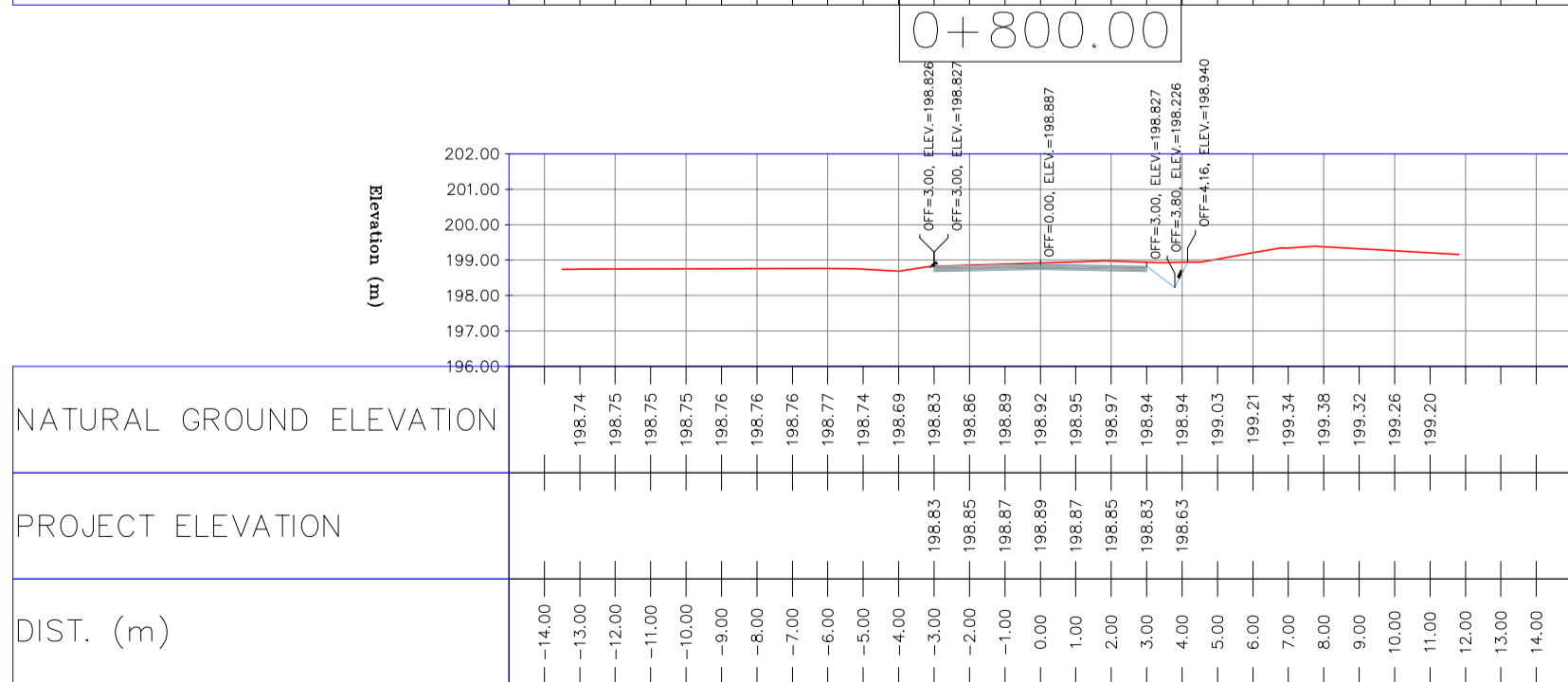
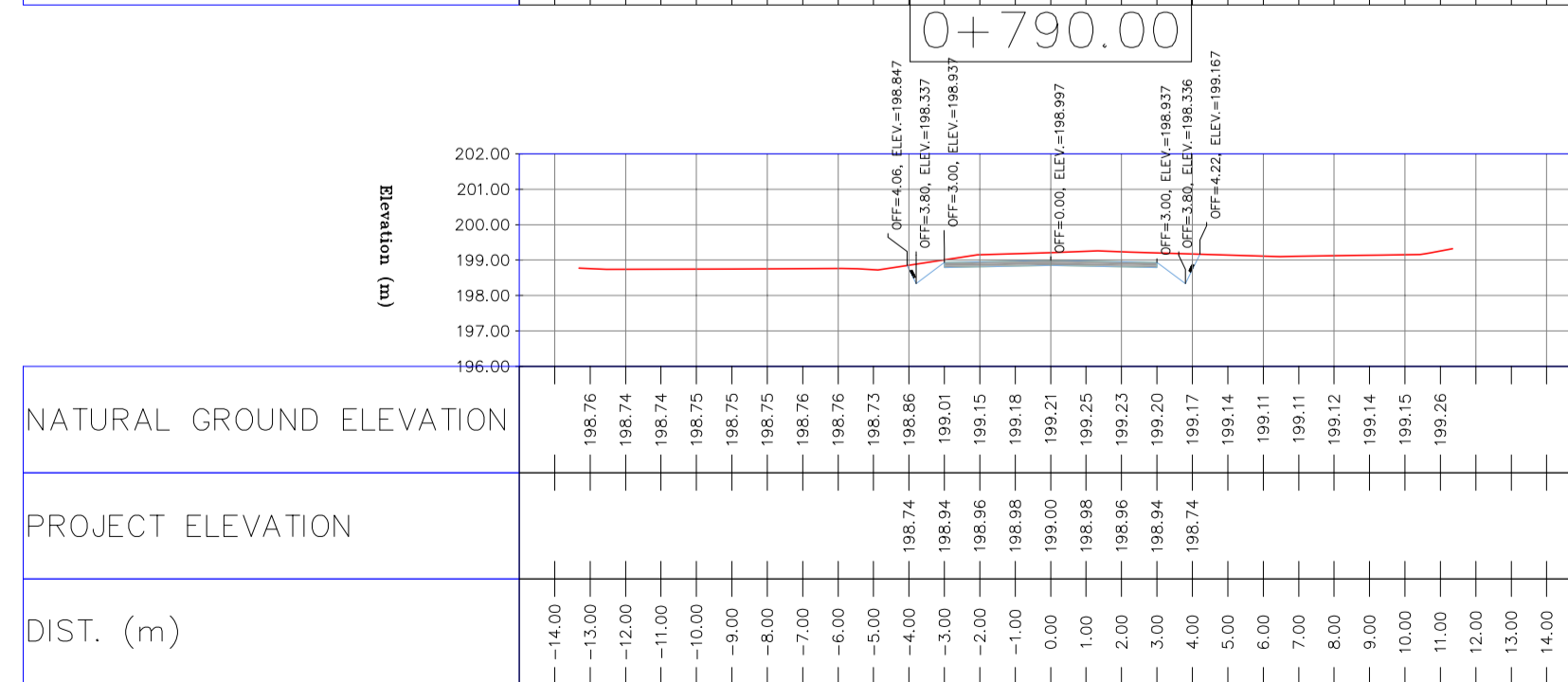
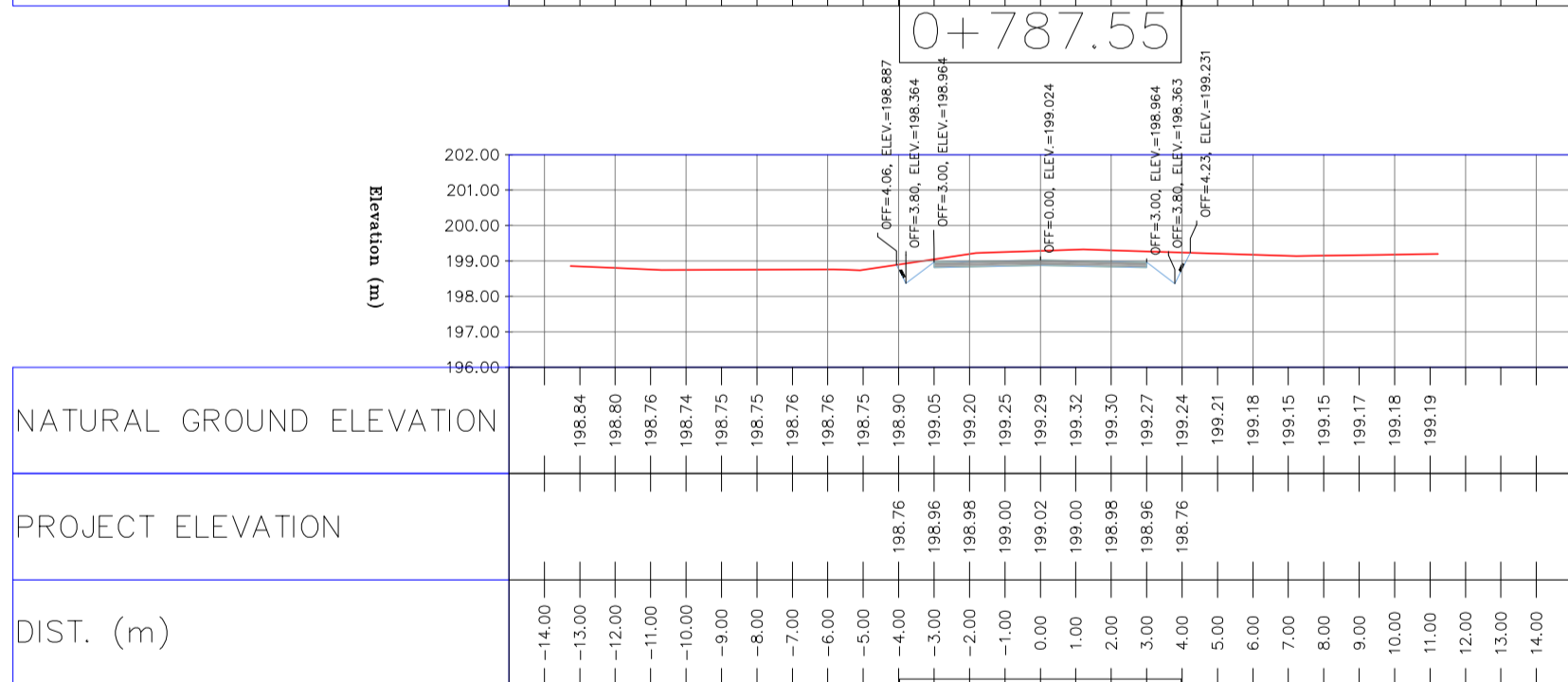
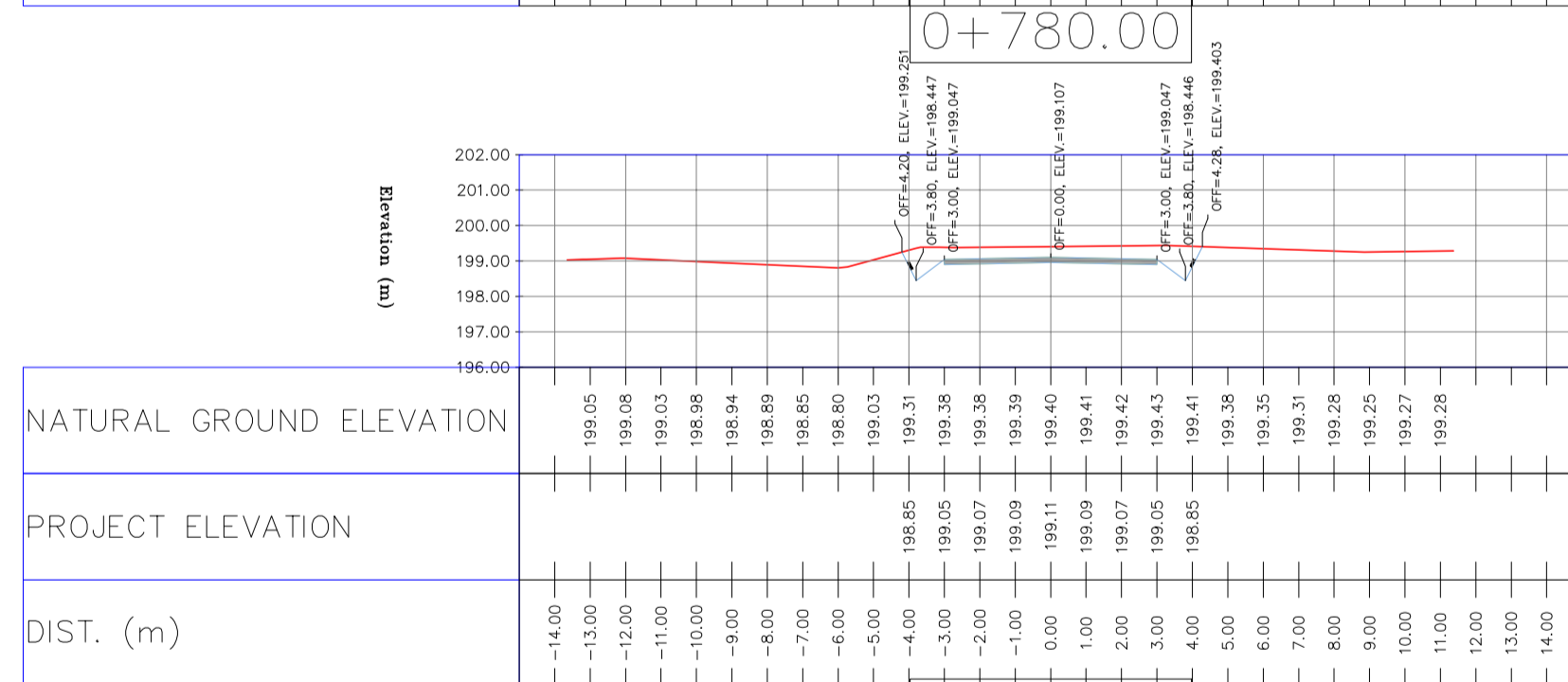
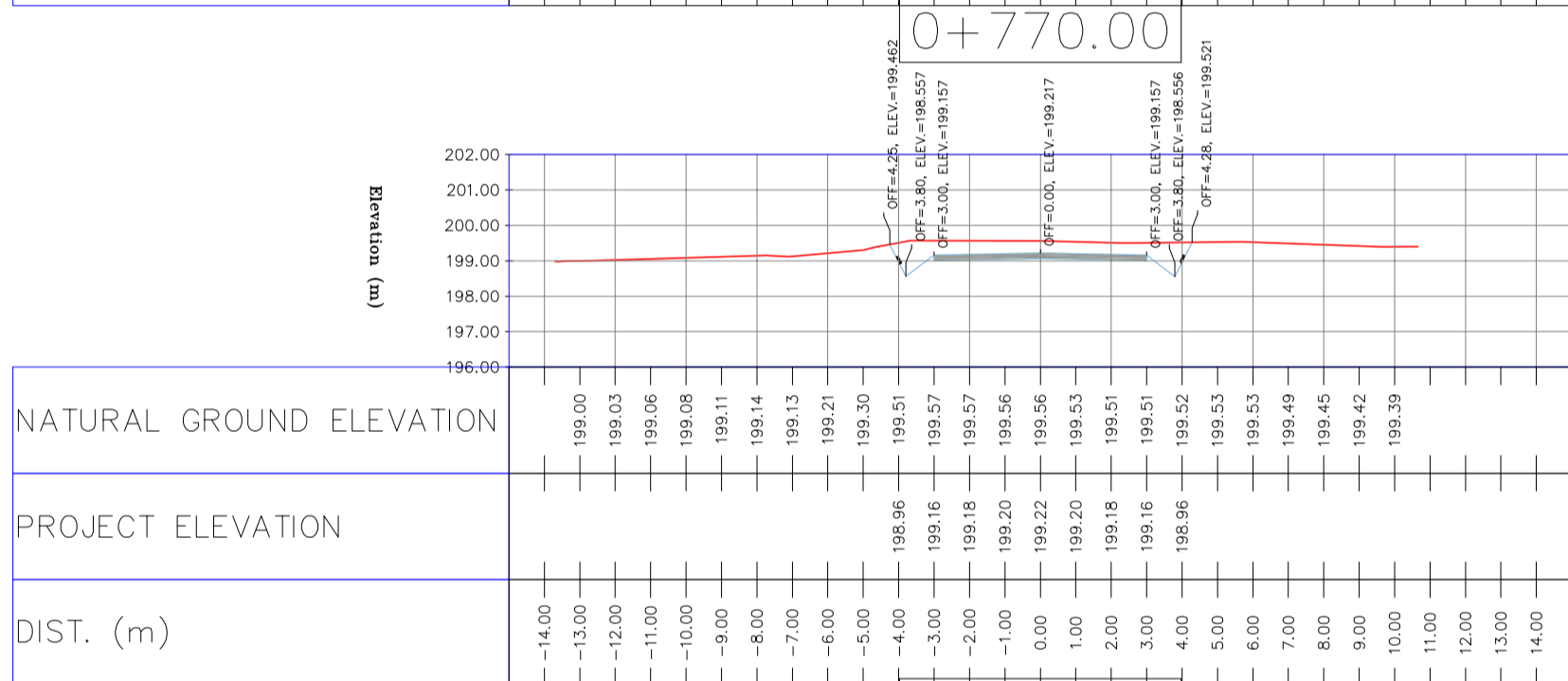
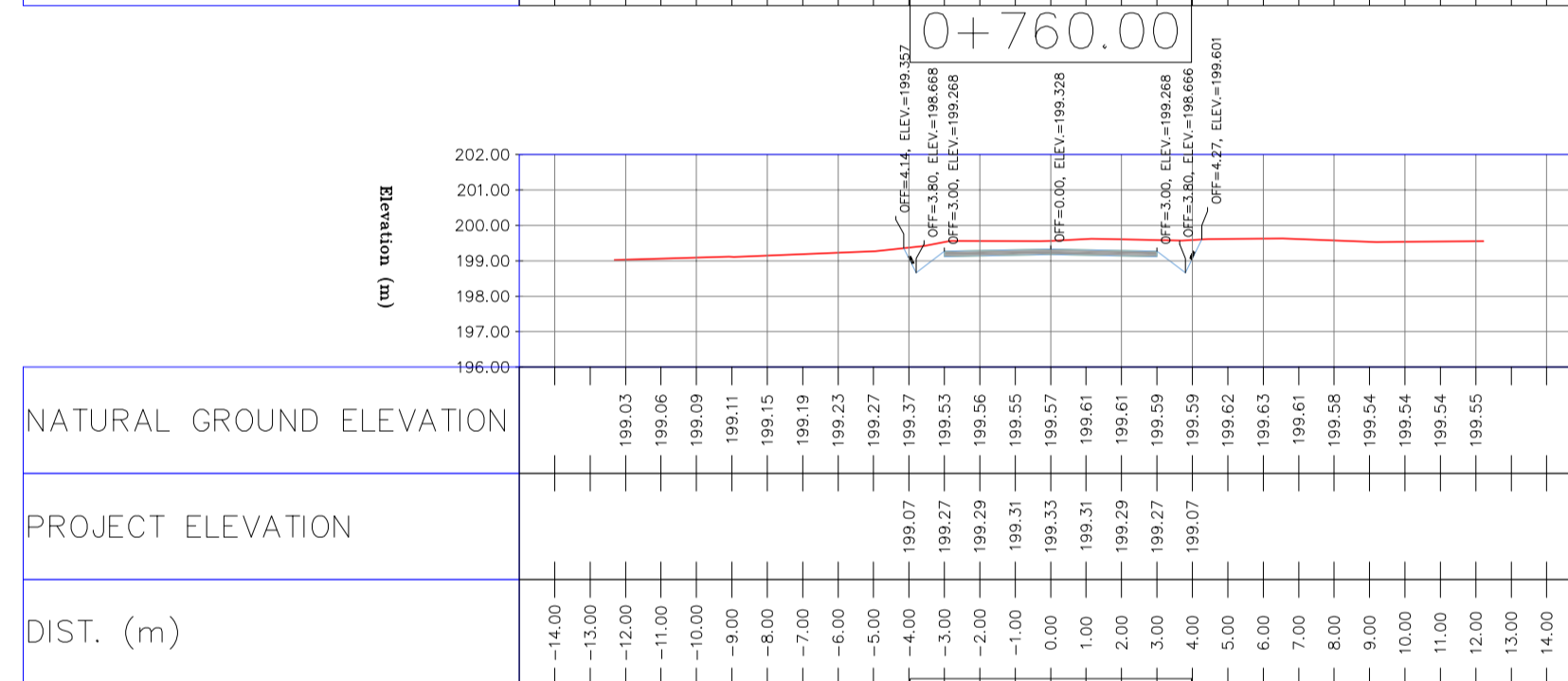
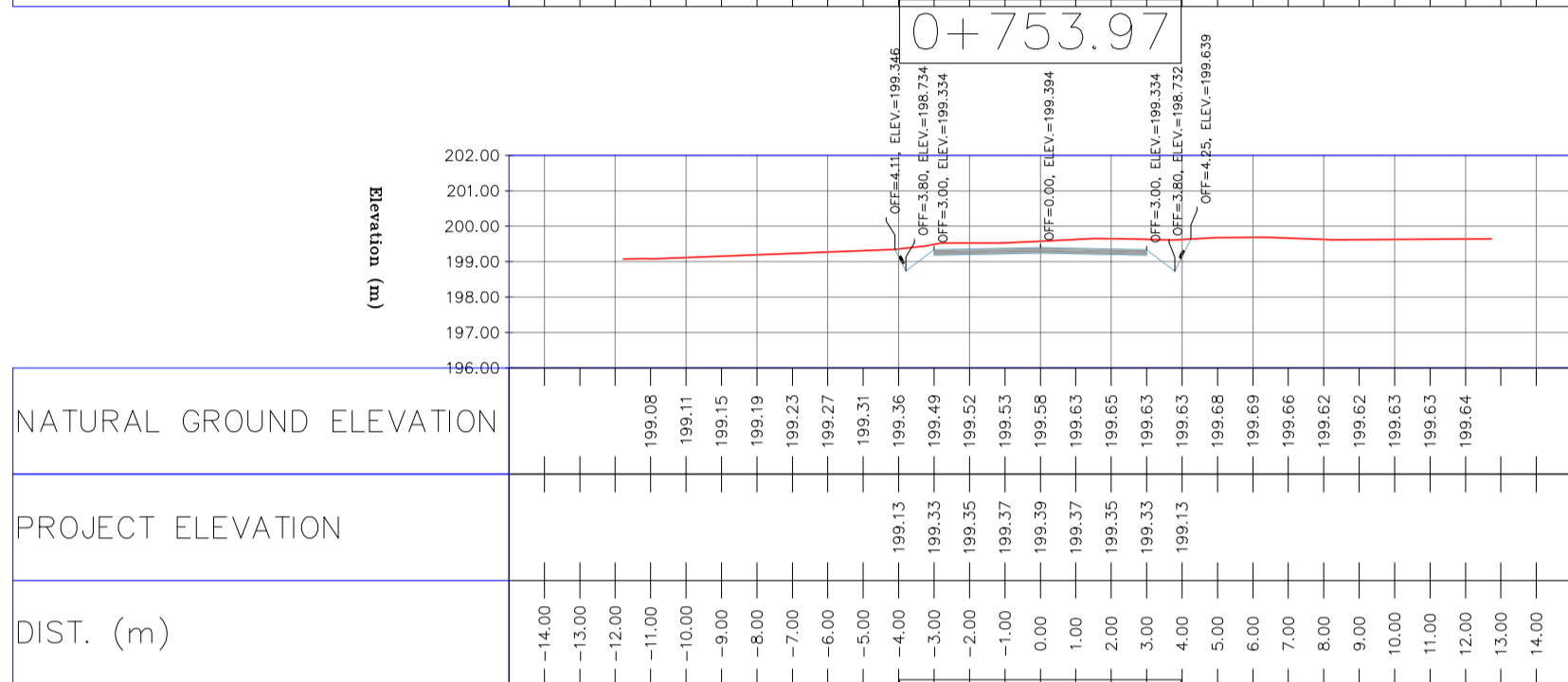
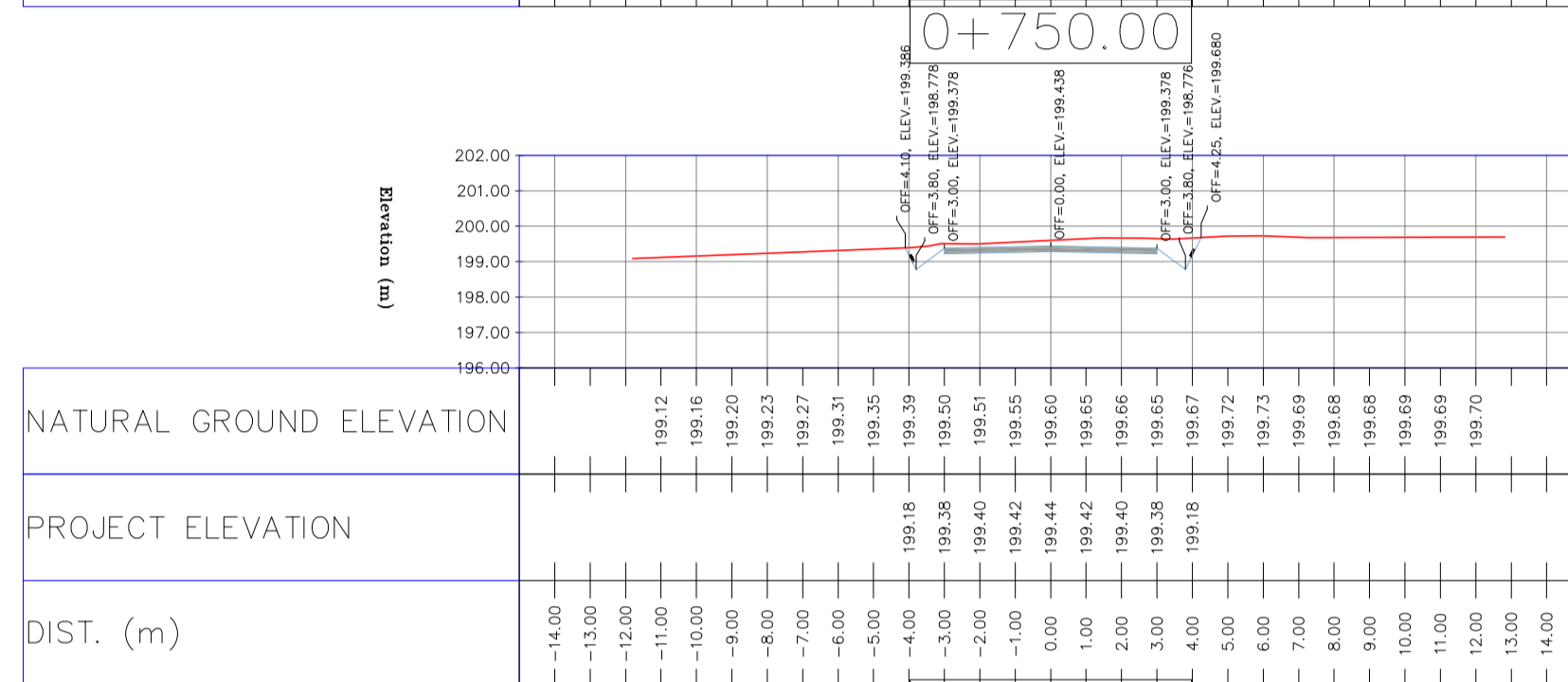
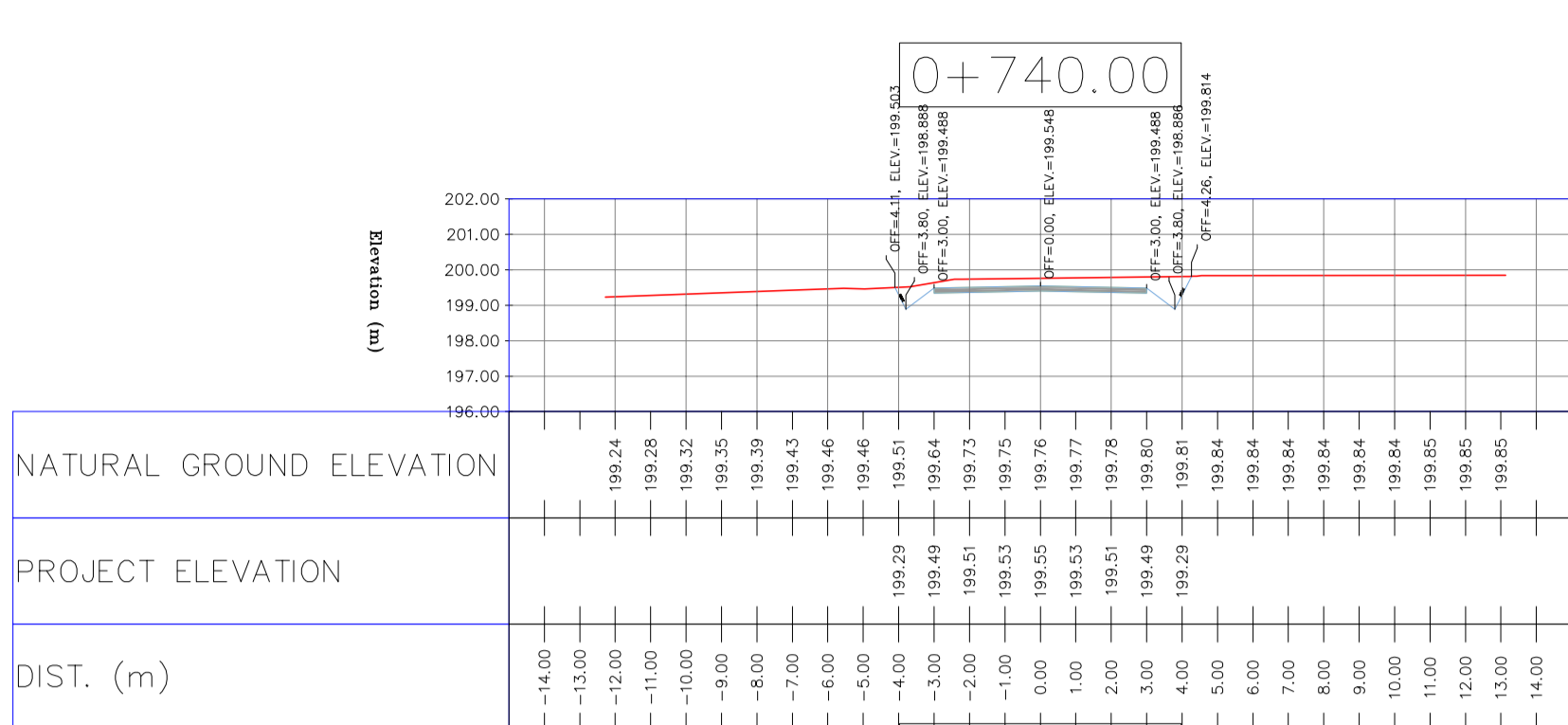
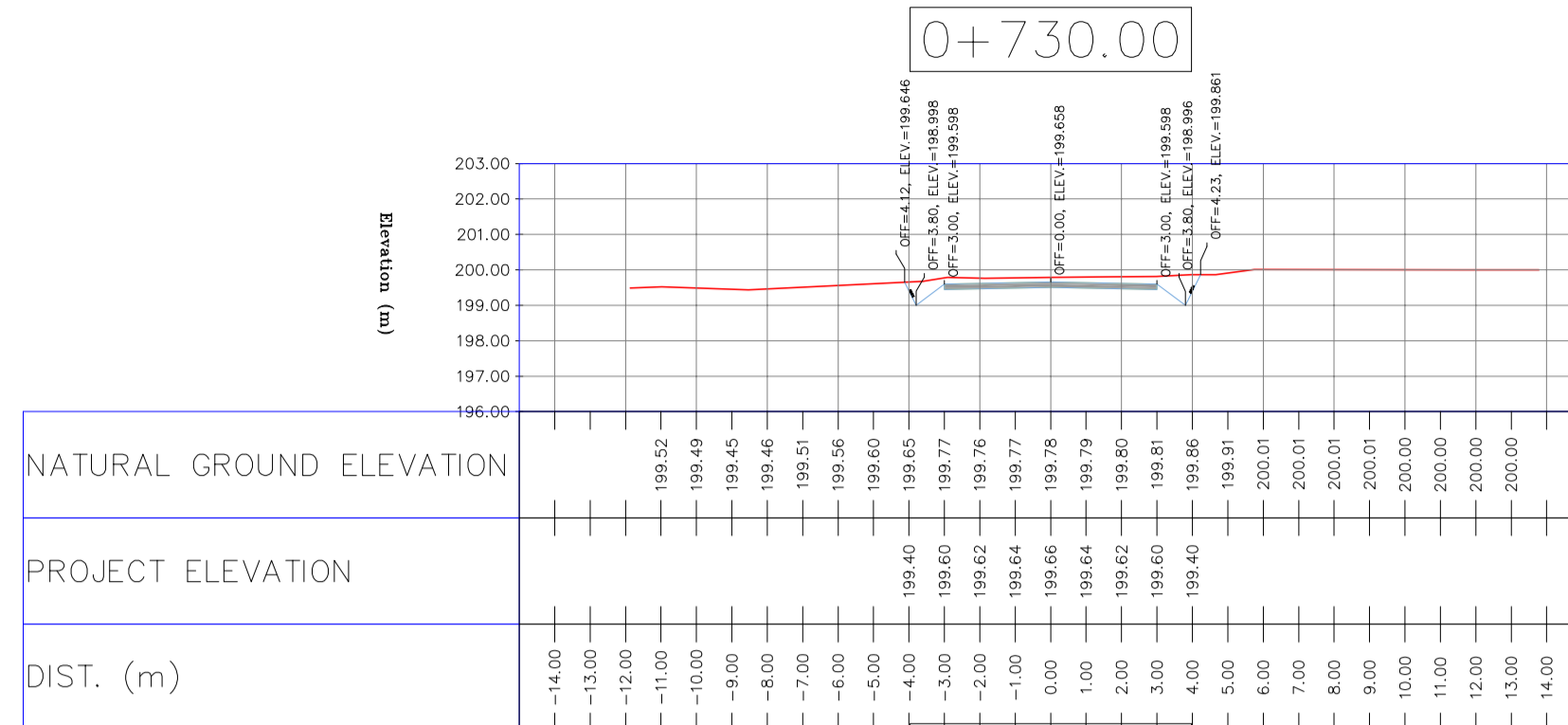
KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.							
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED											
APPROVED FOR CONSTRUCTION		BY:	DATE:								
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	39 OF 101	D03	053-073-9184	F	4	S	708209	39	D03

D03
TOTALLY REVISED



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 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: MSL
- 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-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN....) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.

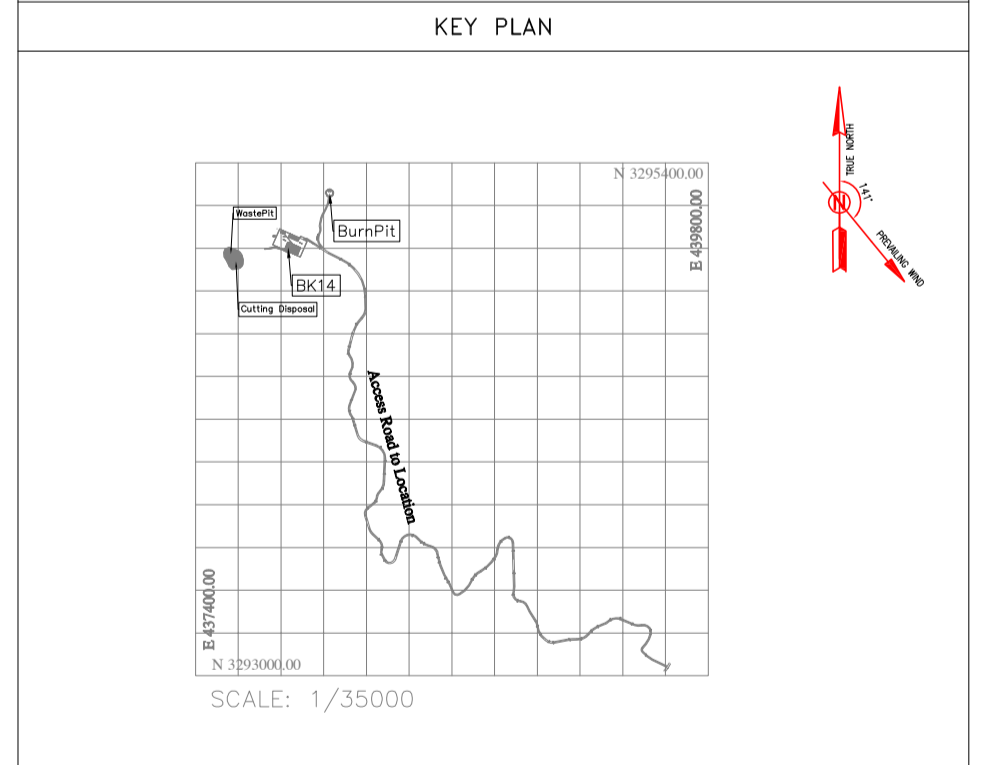
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVCS= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

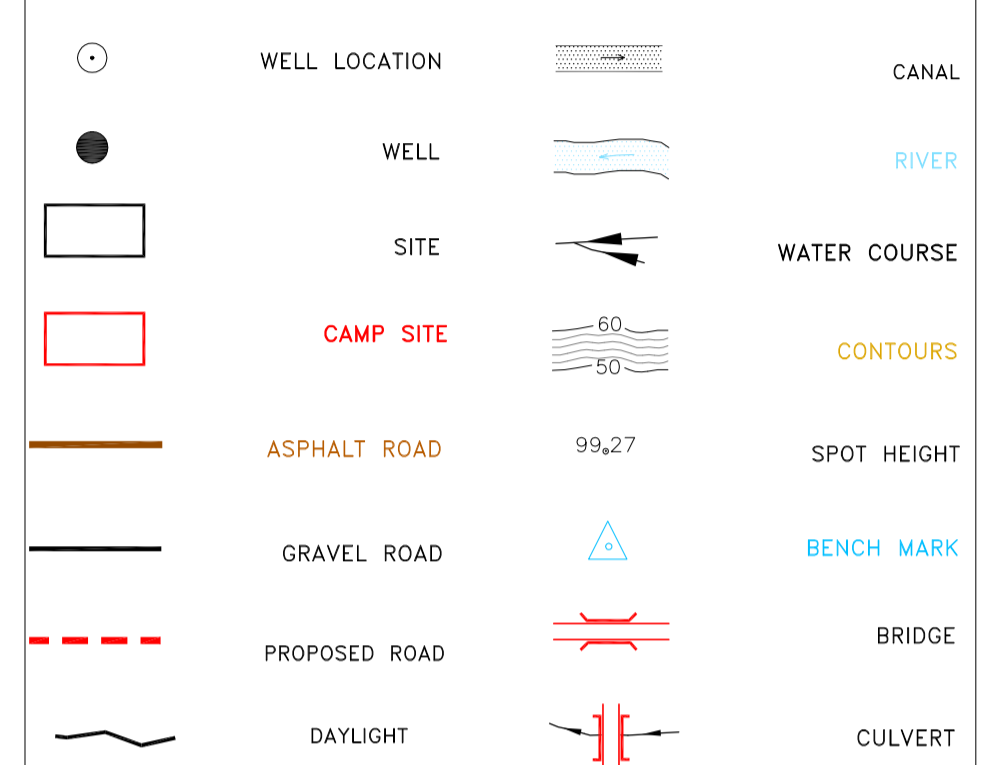
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H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	43 OF 101	D03	053-073-9184	F	4	S	708209	43	D03

TOTALLY REVISED

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

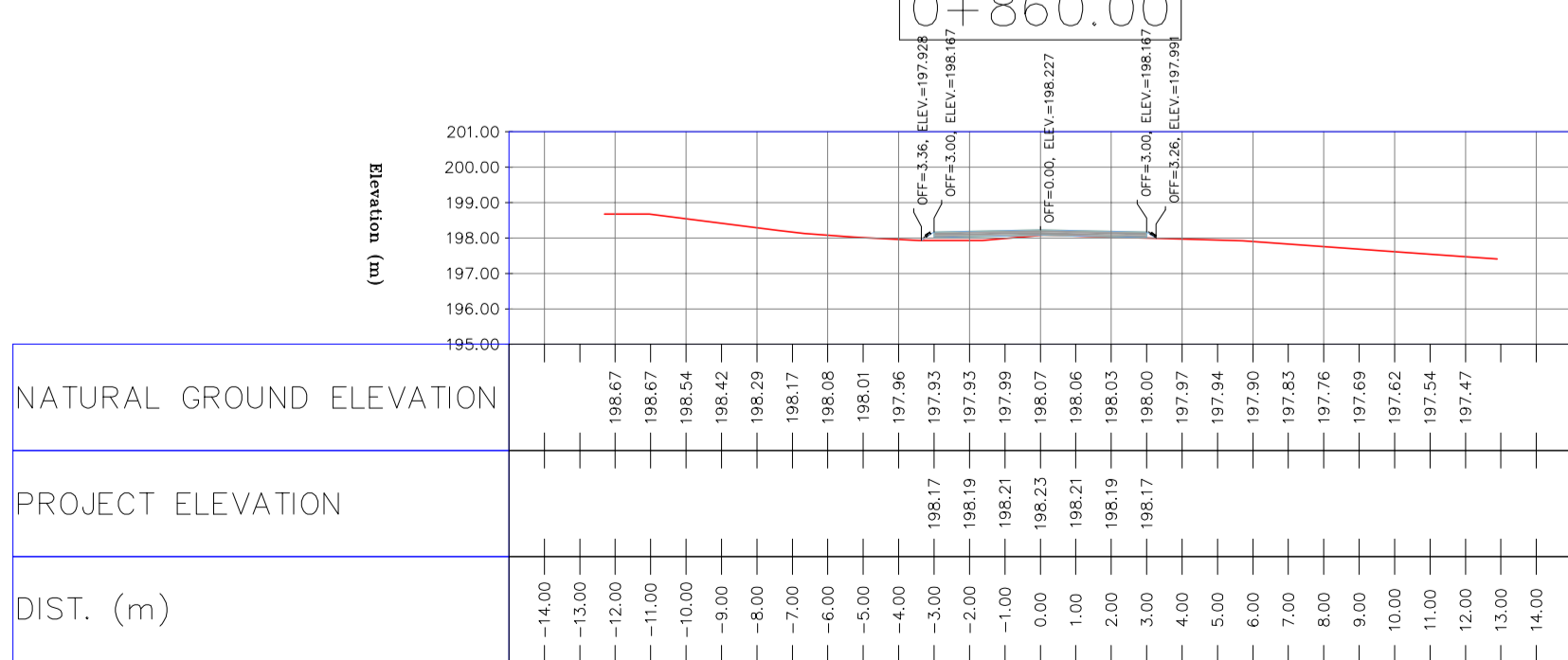
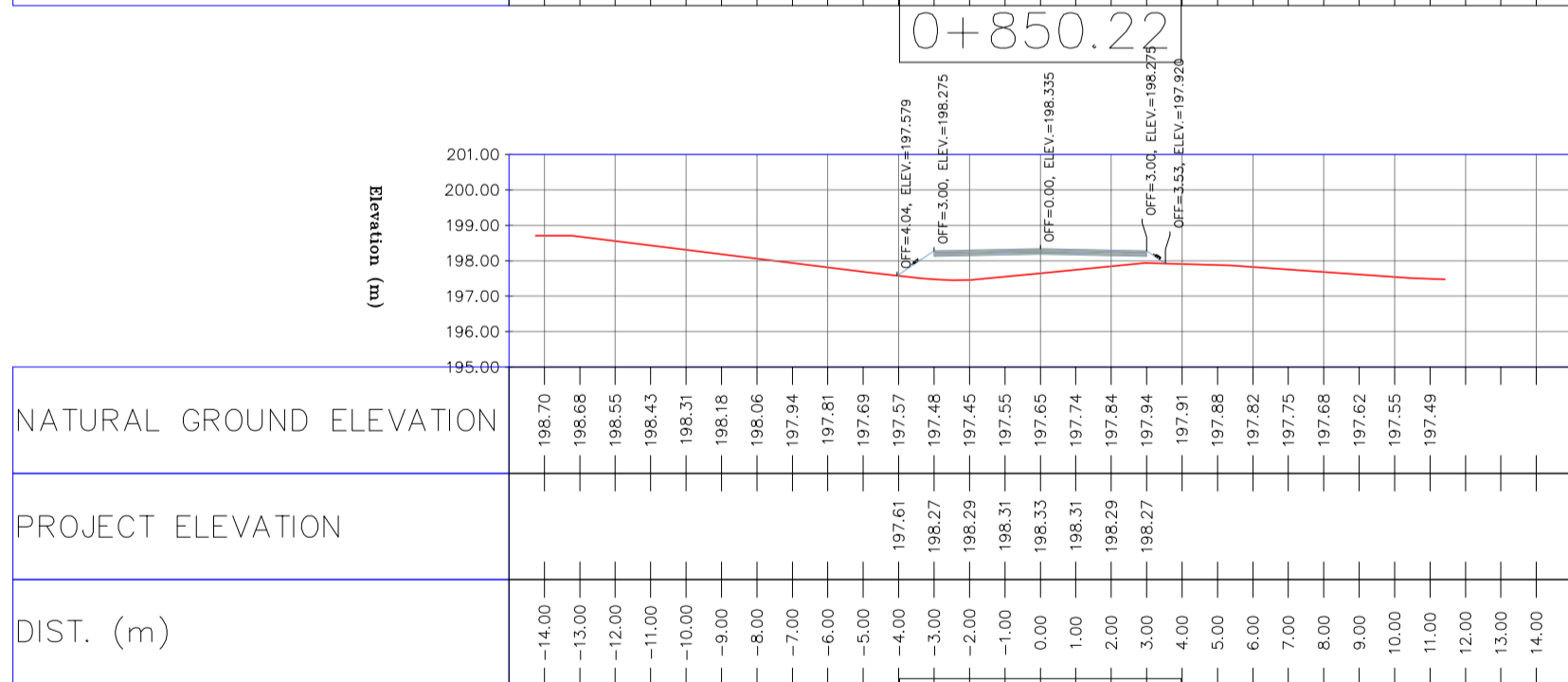
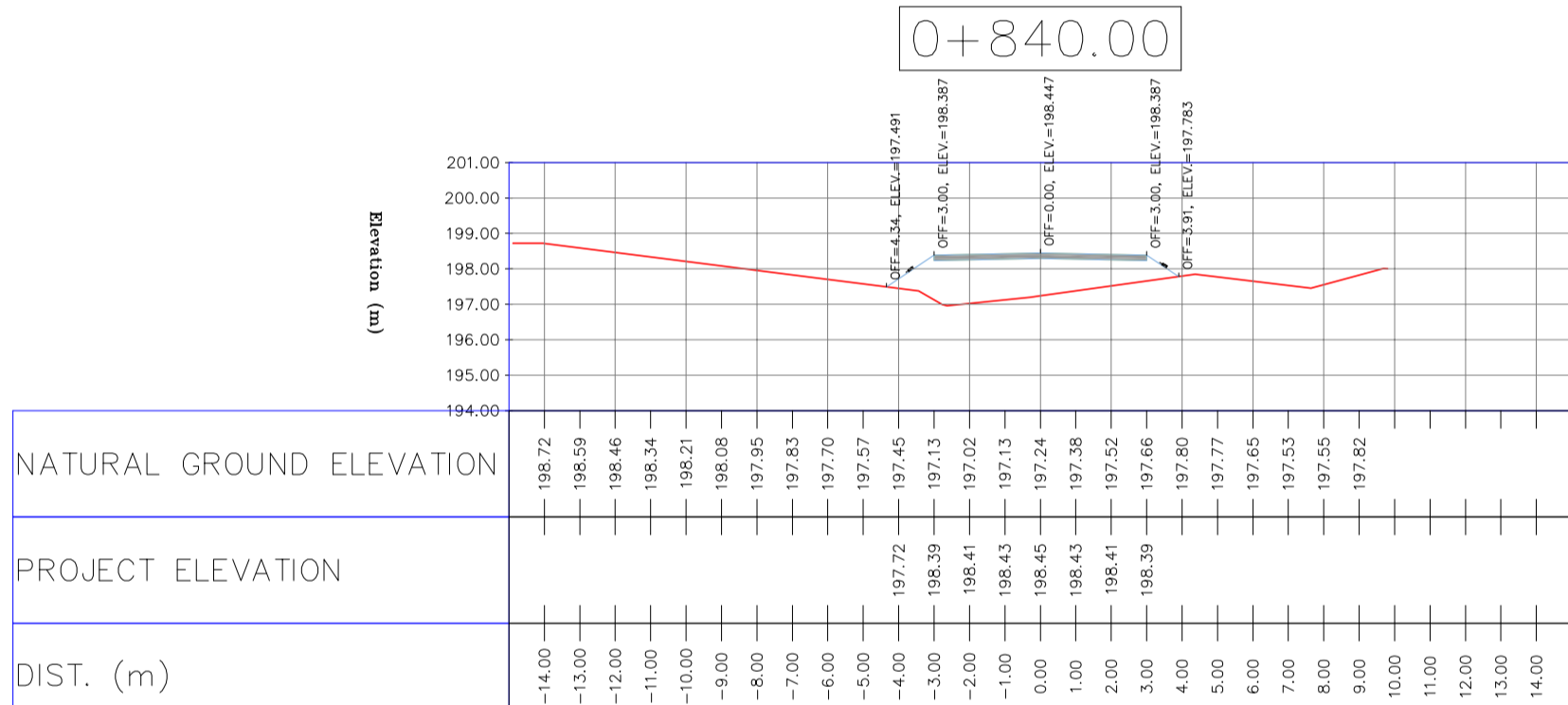
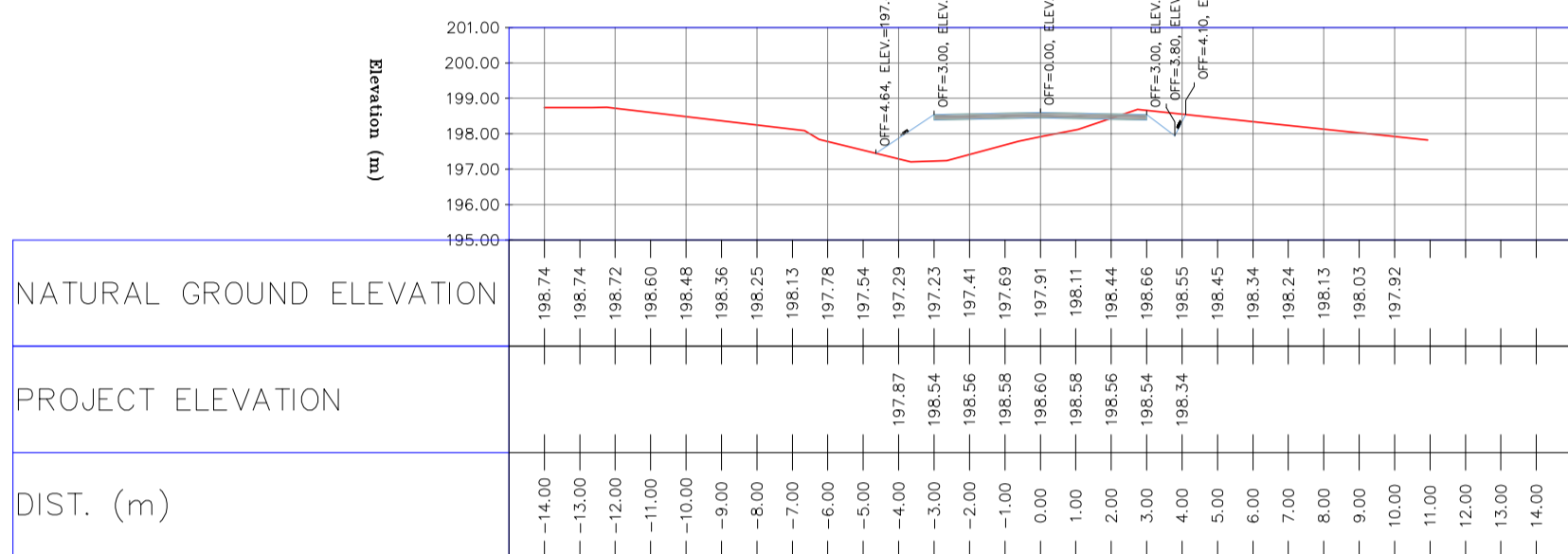
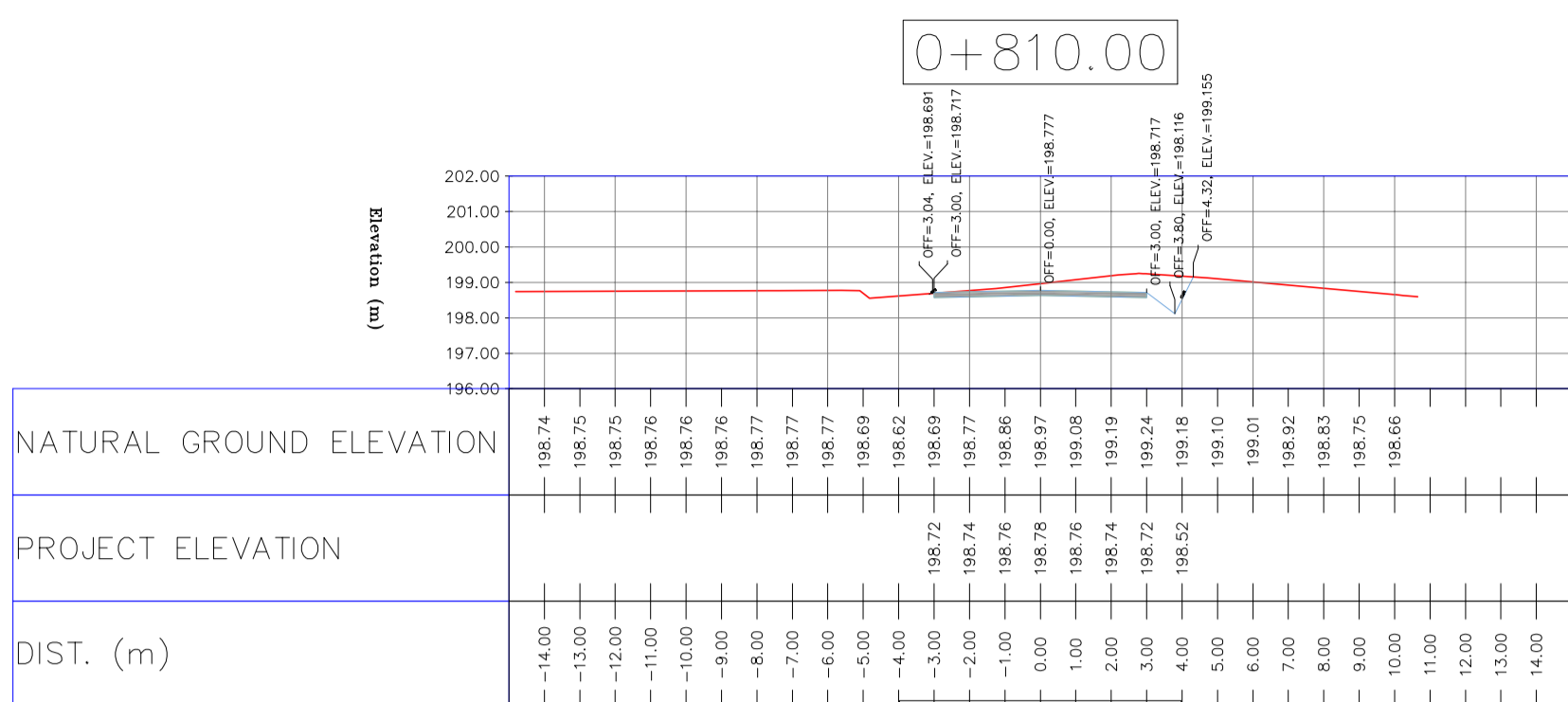
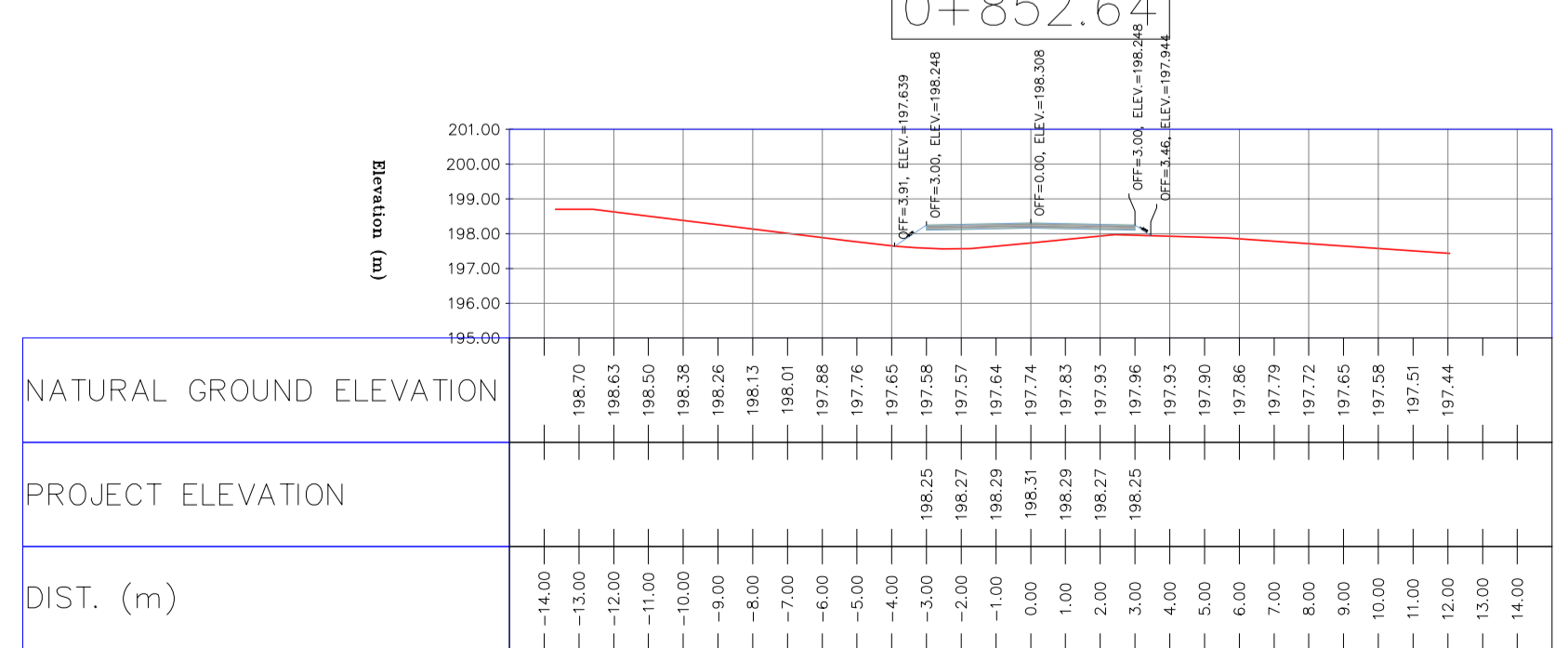
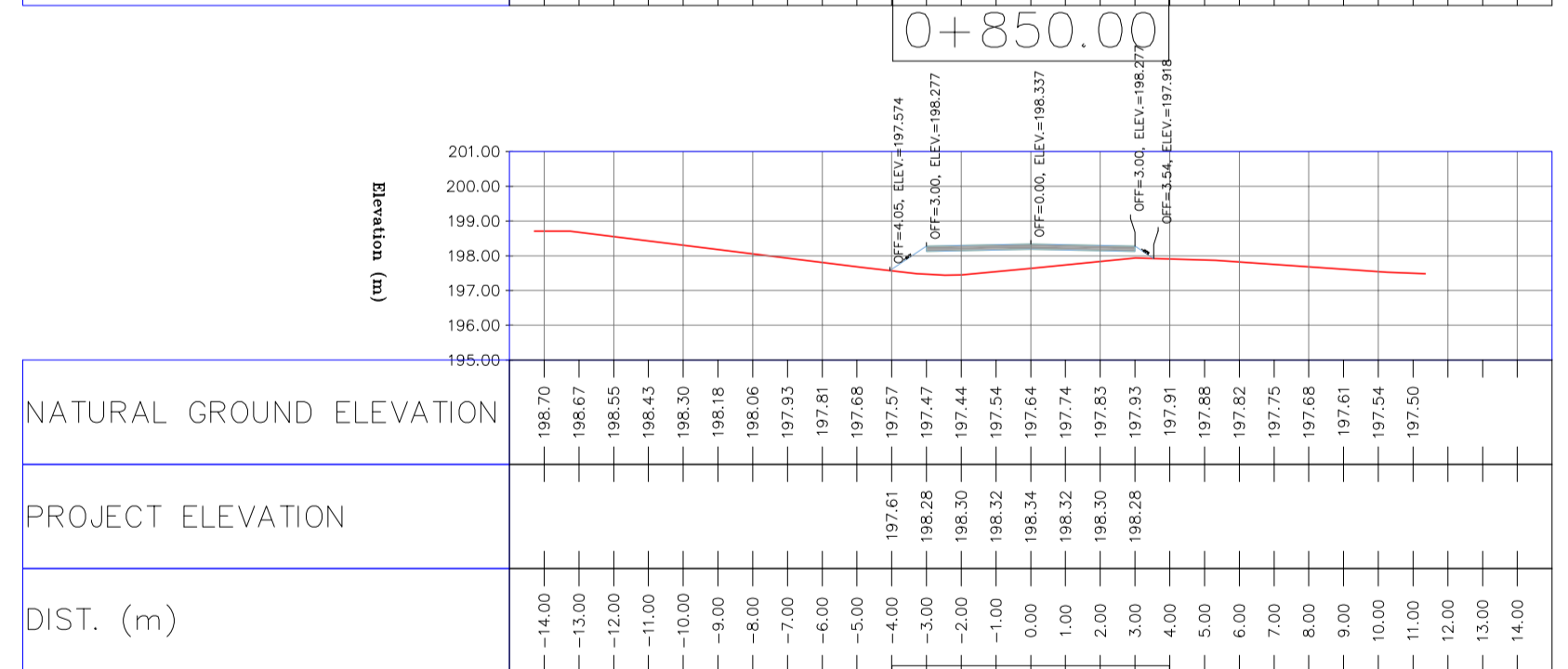
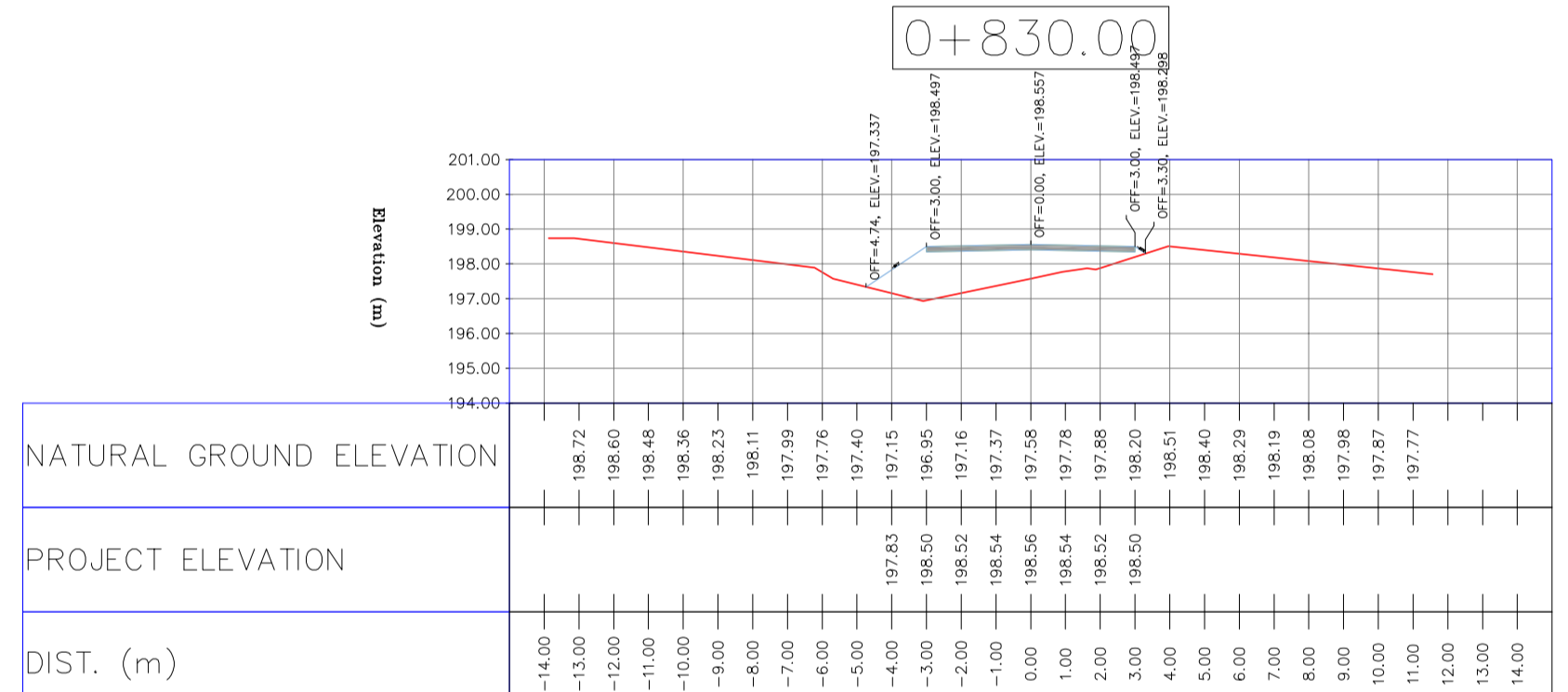
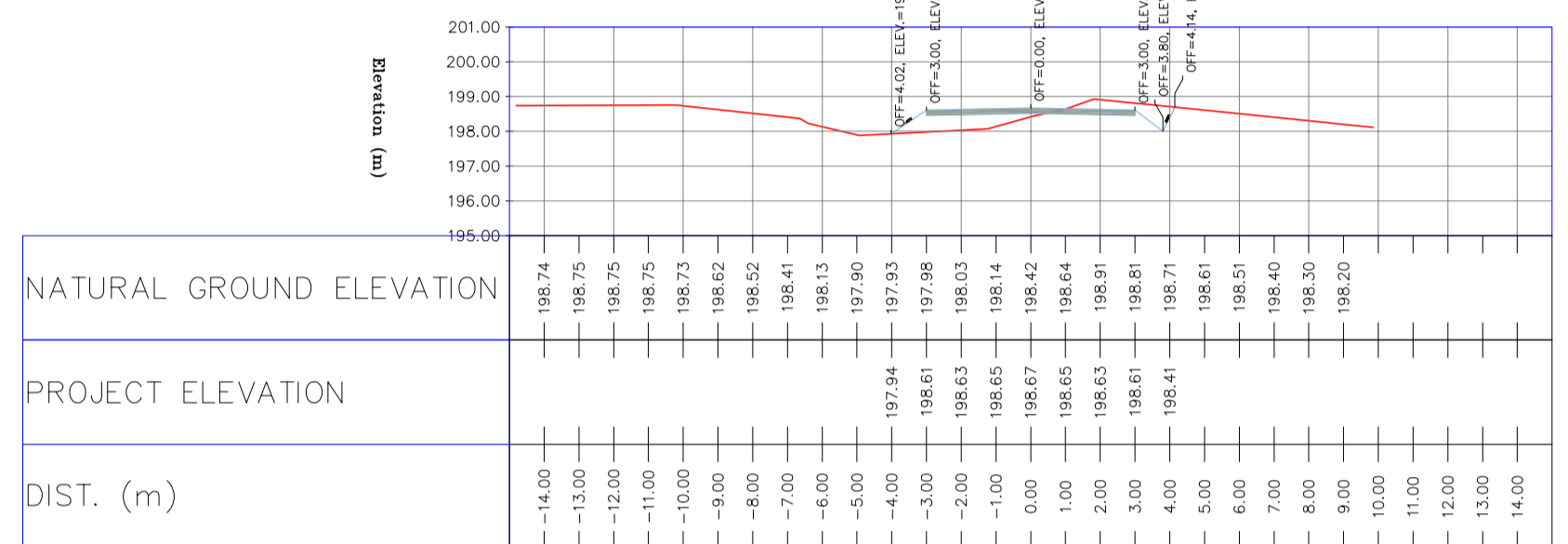
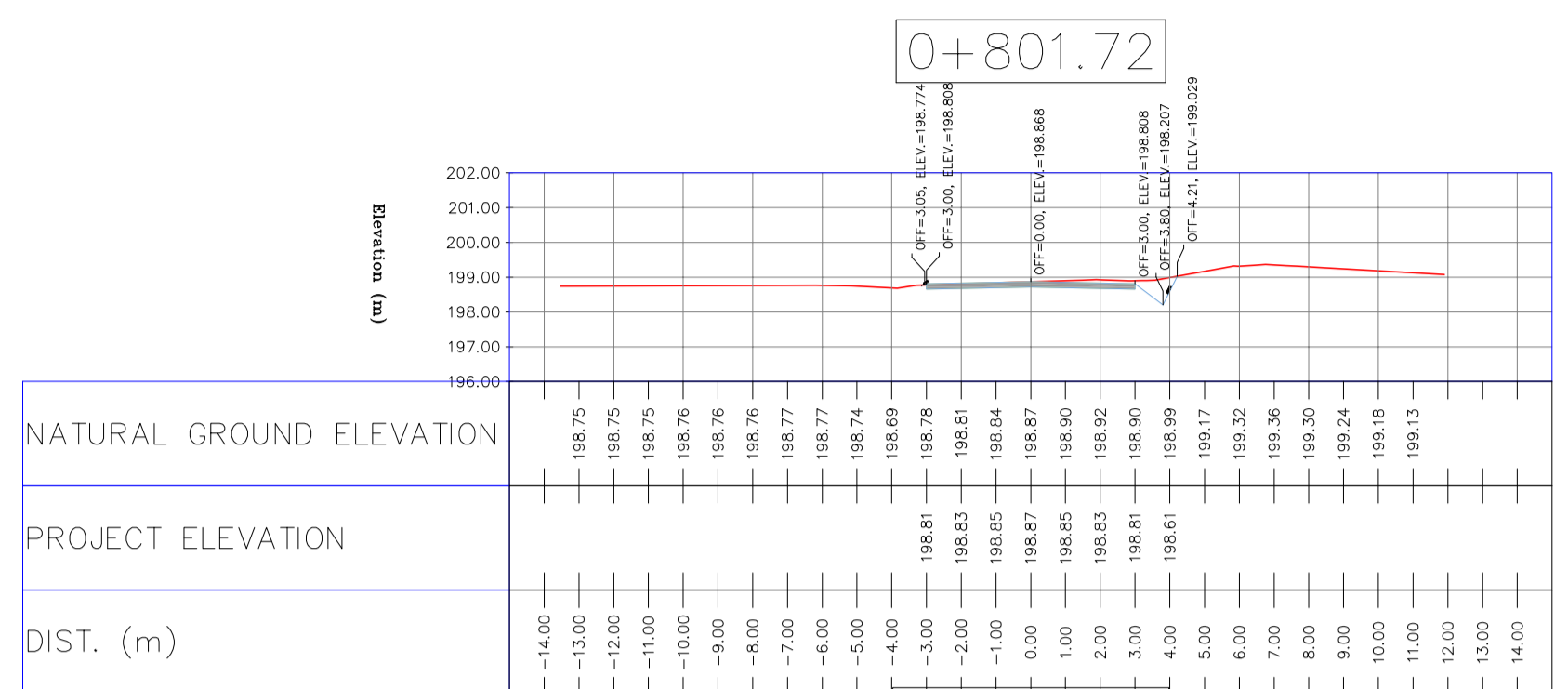
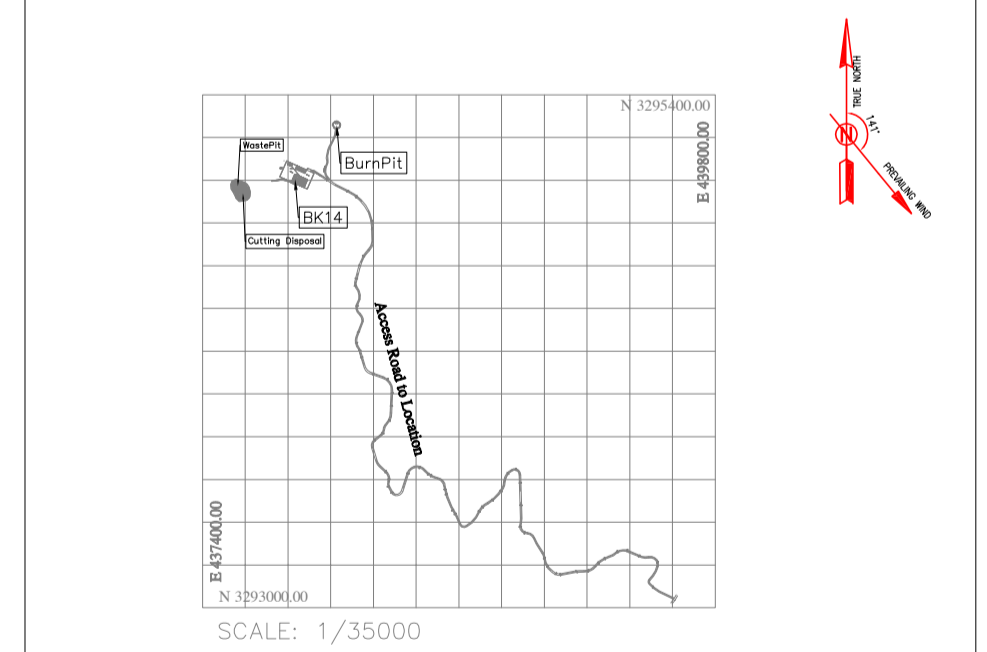


REFERENCE DRAWING	DRG. No.
General Civil Layout – BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRA-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRA-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report – BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRA-PEDCO-000-CV-SP-0002
MTO For Civil Works – BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVC= BEGIN OF VERTICAL CURVE STATION
BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVC= END OF VERTICAL CURVE STATION
EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
REV. APPR.		CHECKED				

اصل و کلبه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.
 THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

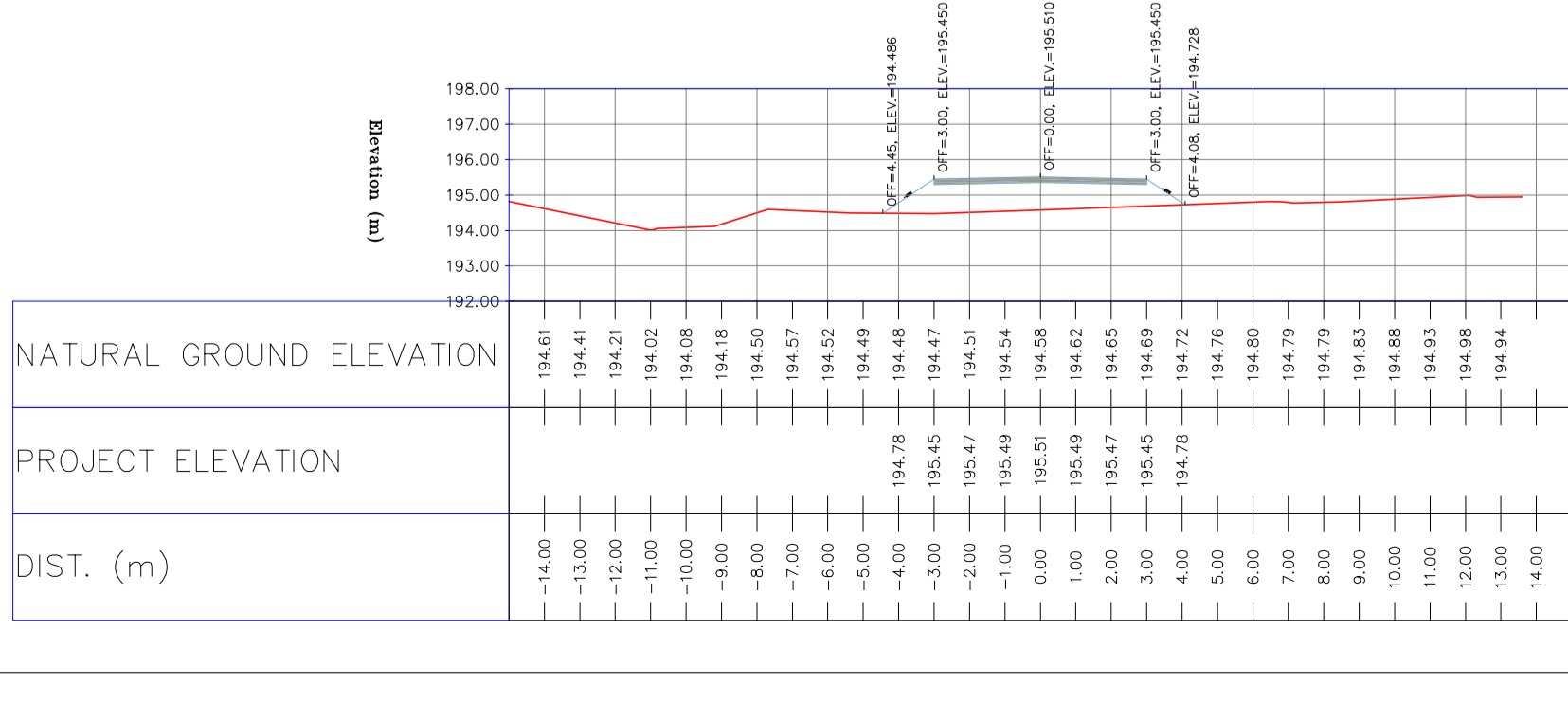
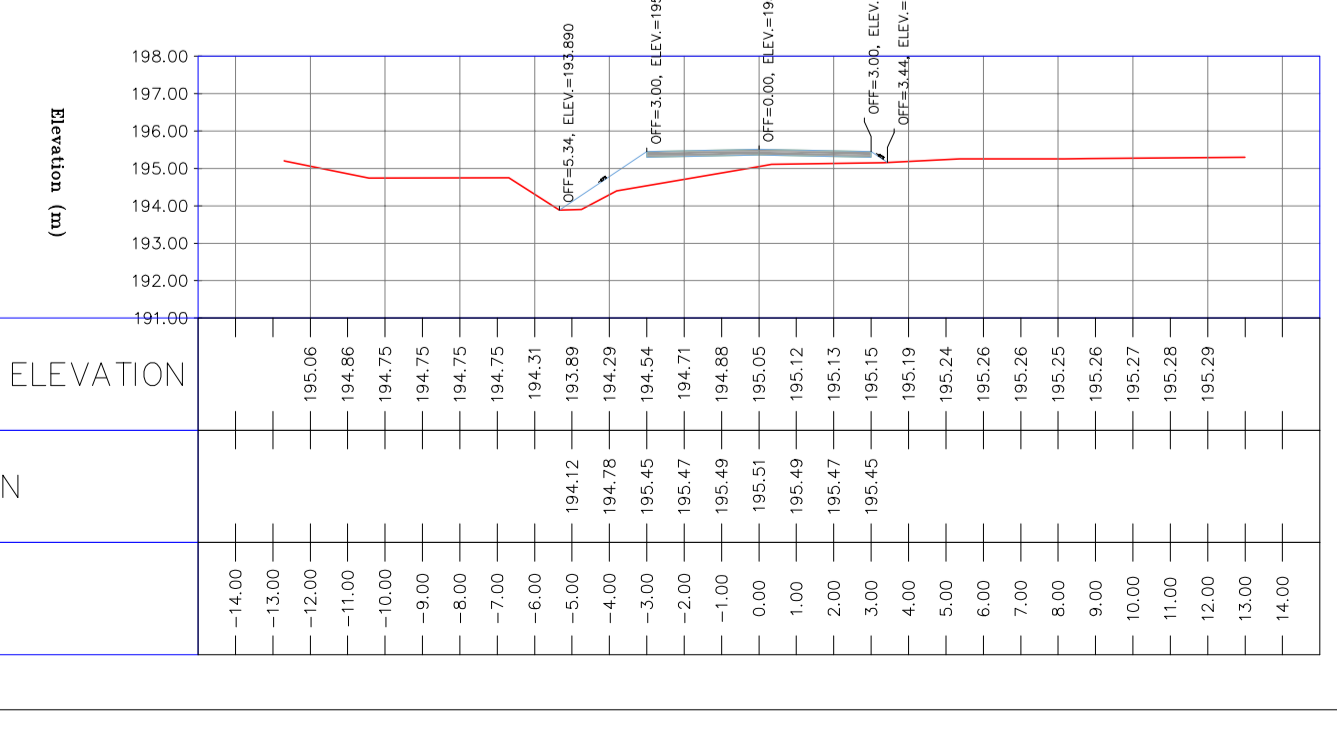
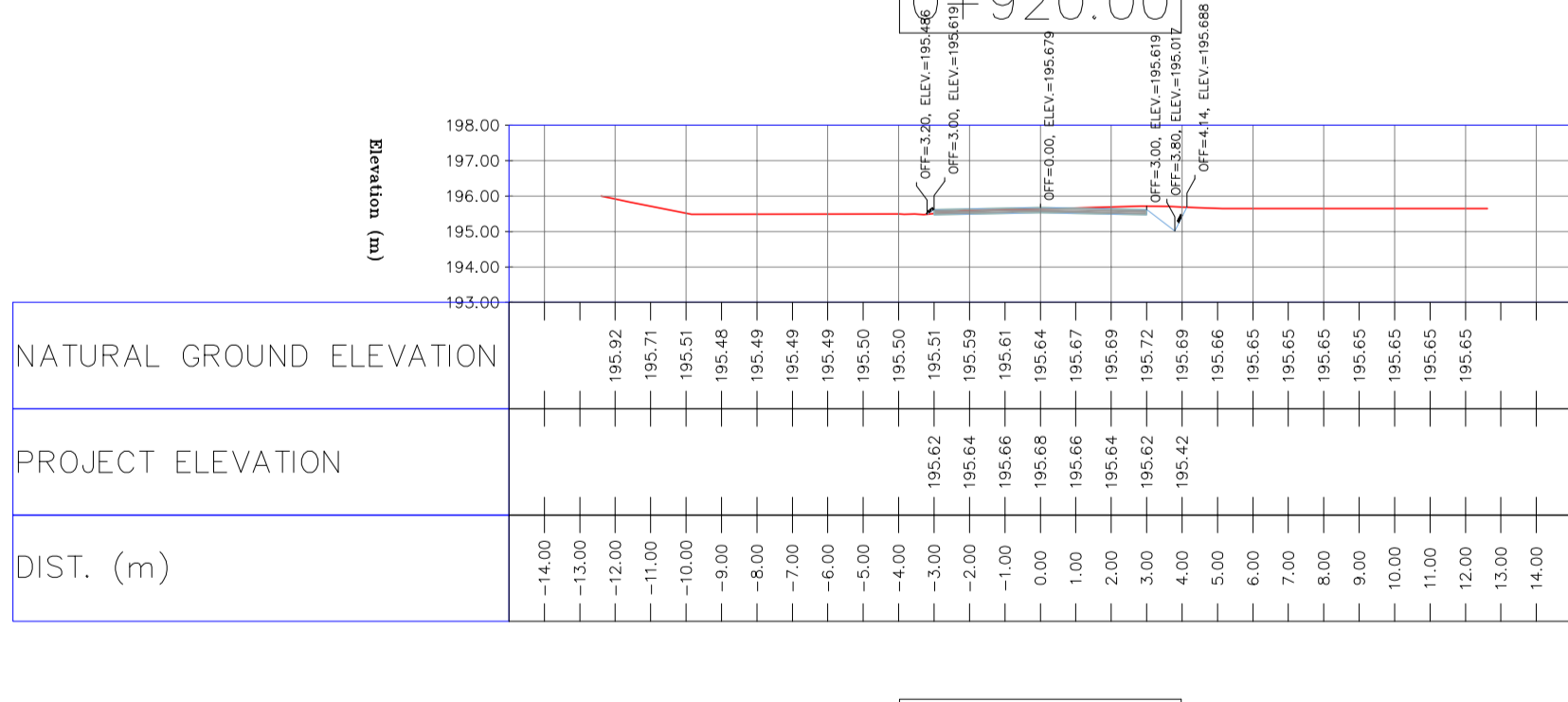
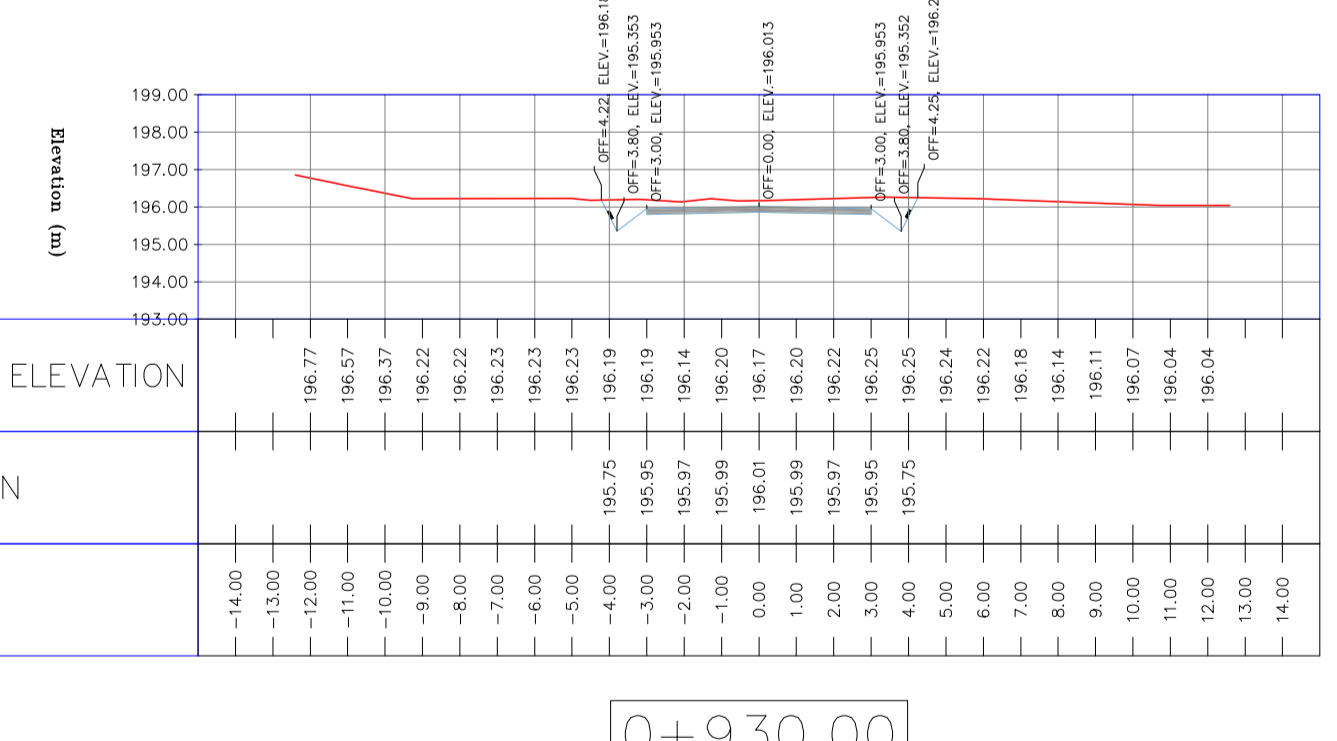
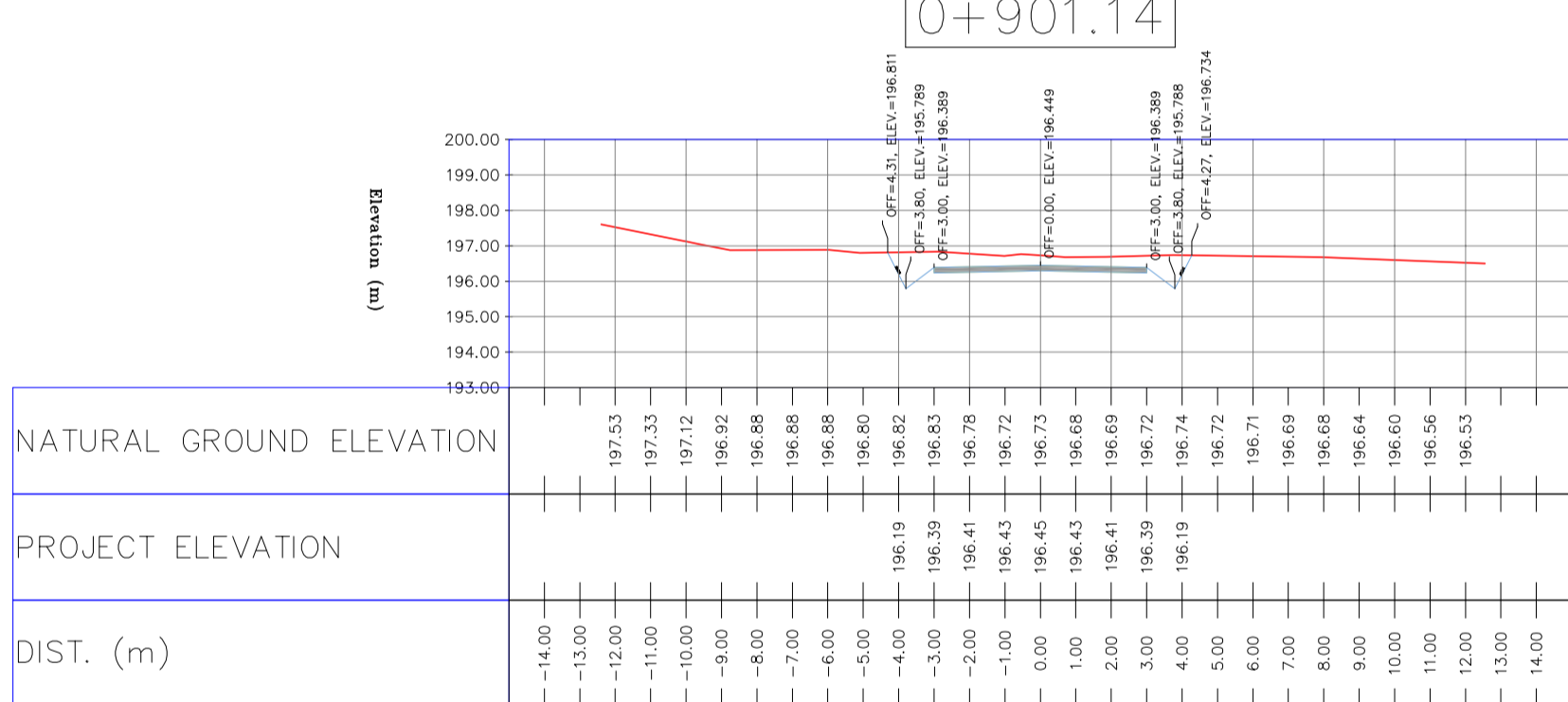
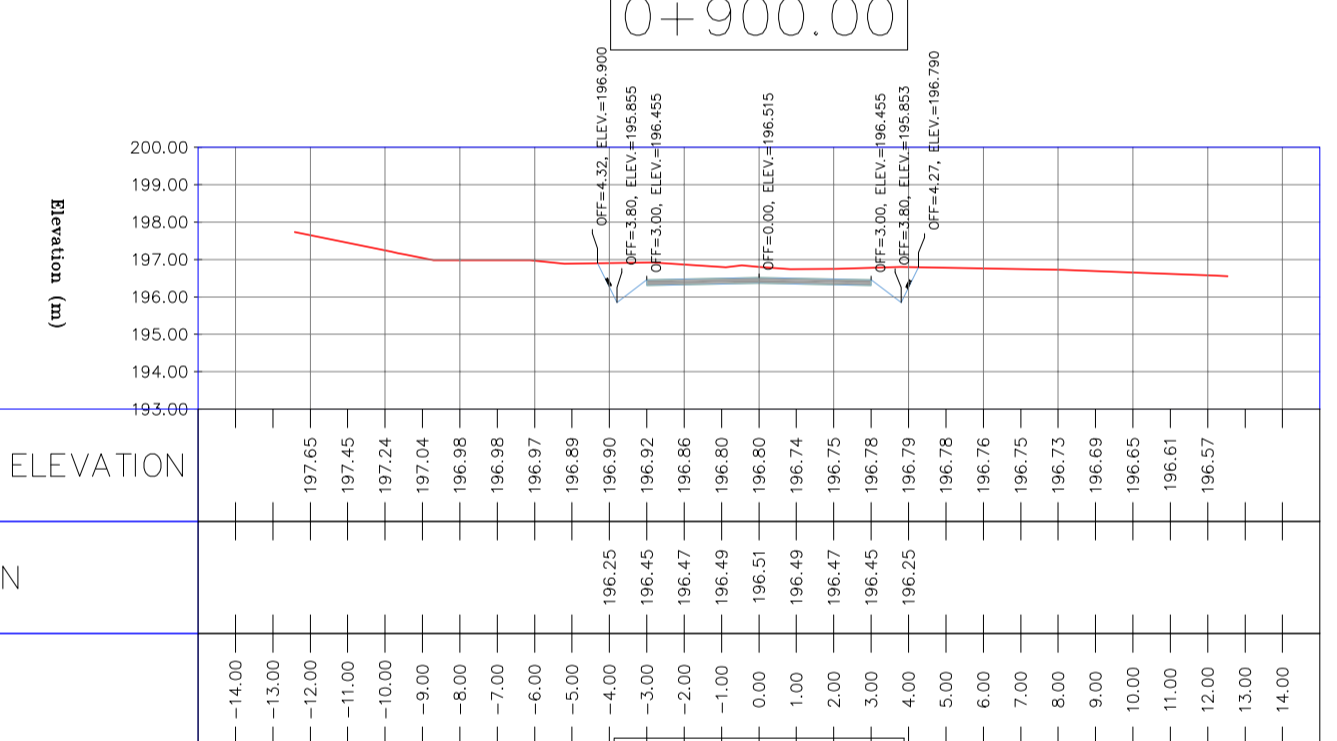
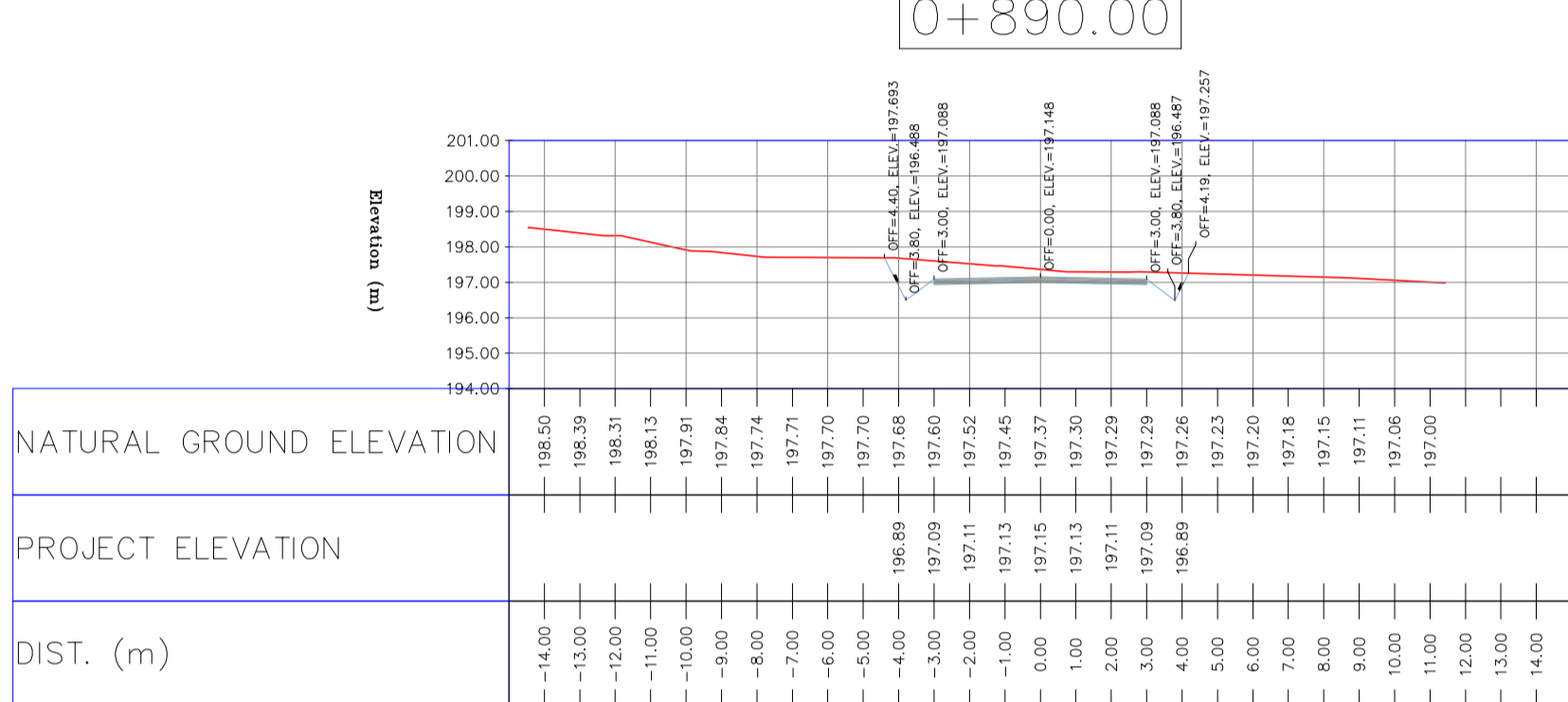
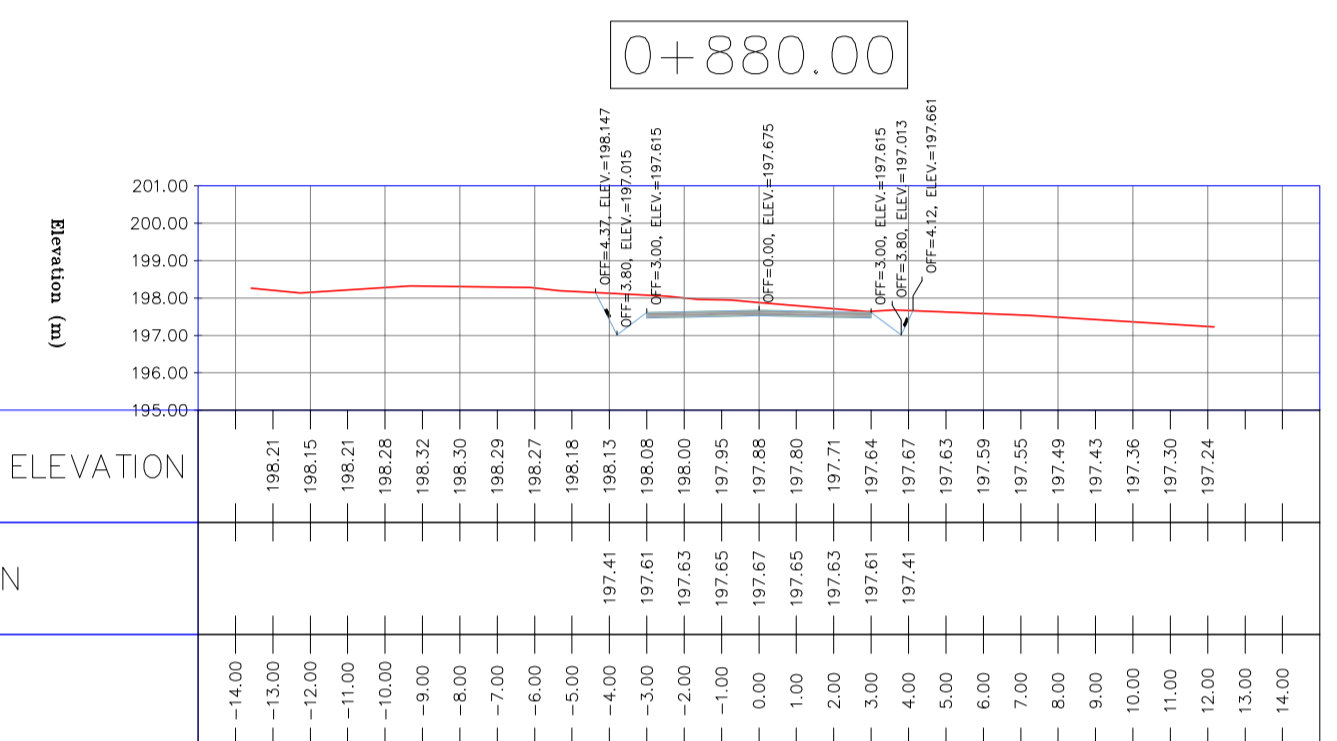
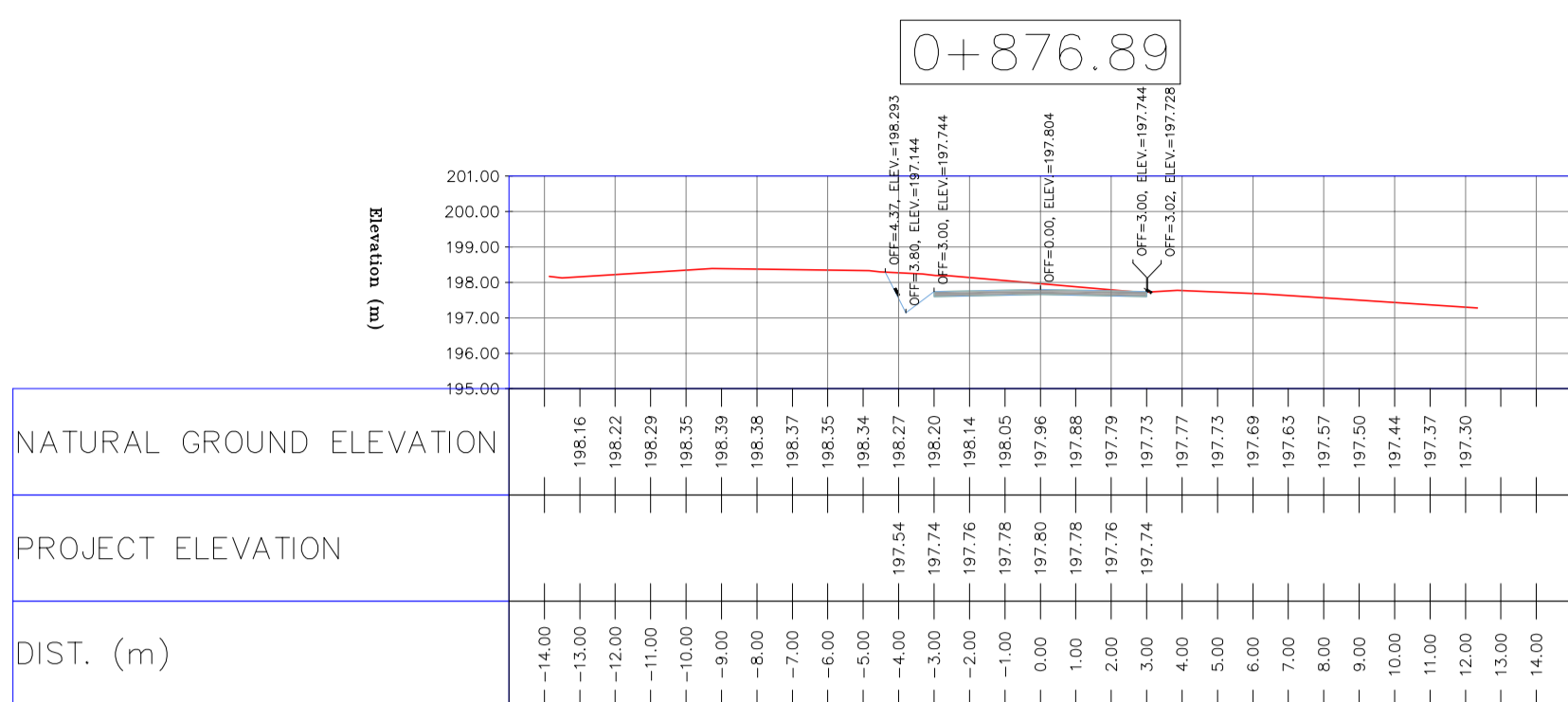
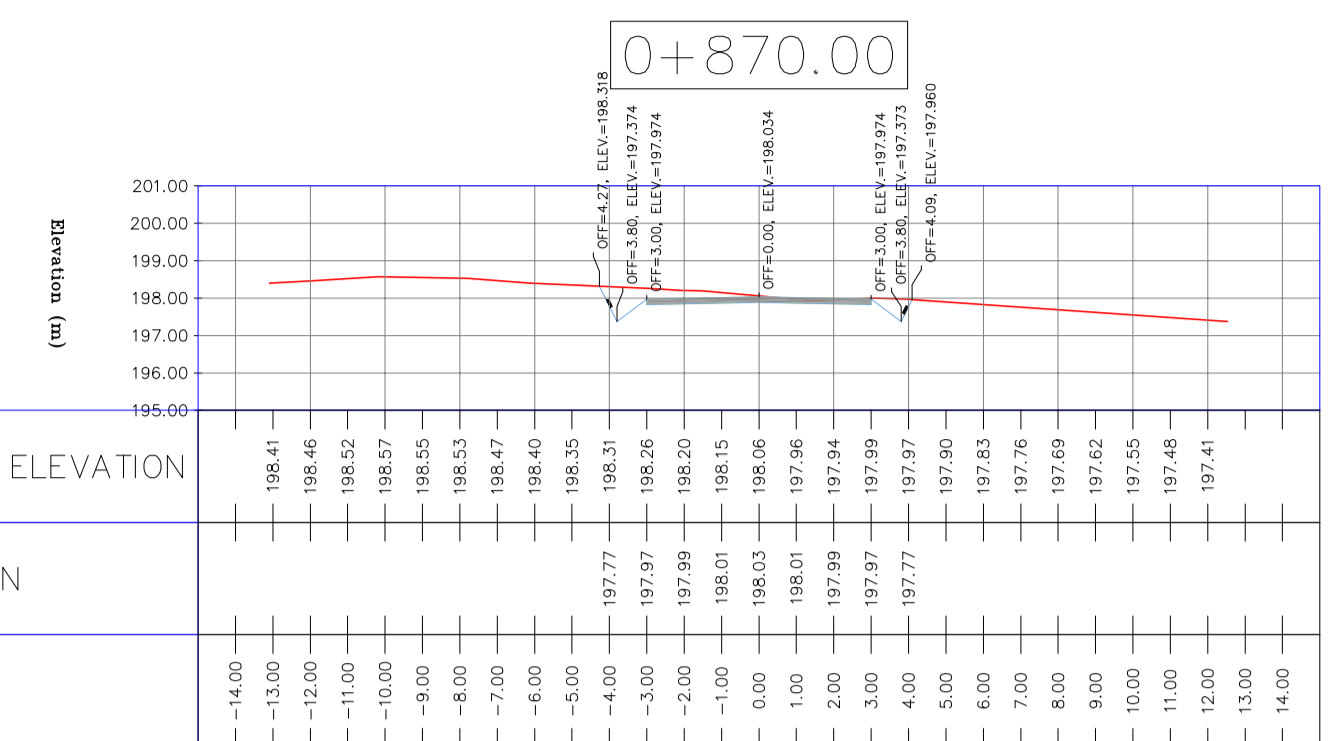
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	44 OF 101	D03	053-073-9184	F	4	S	708209	44	D03

TOTALLY REVISED

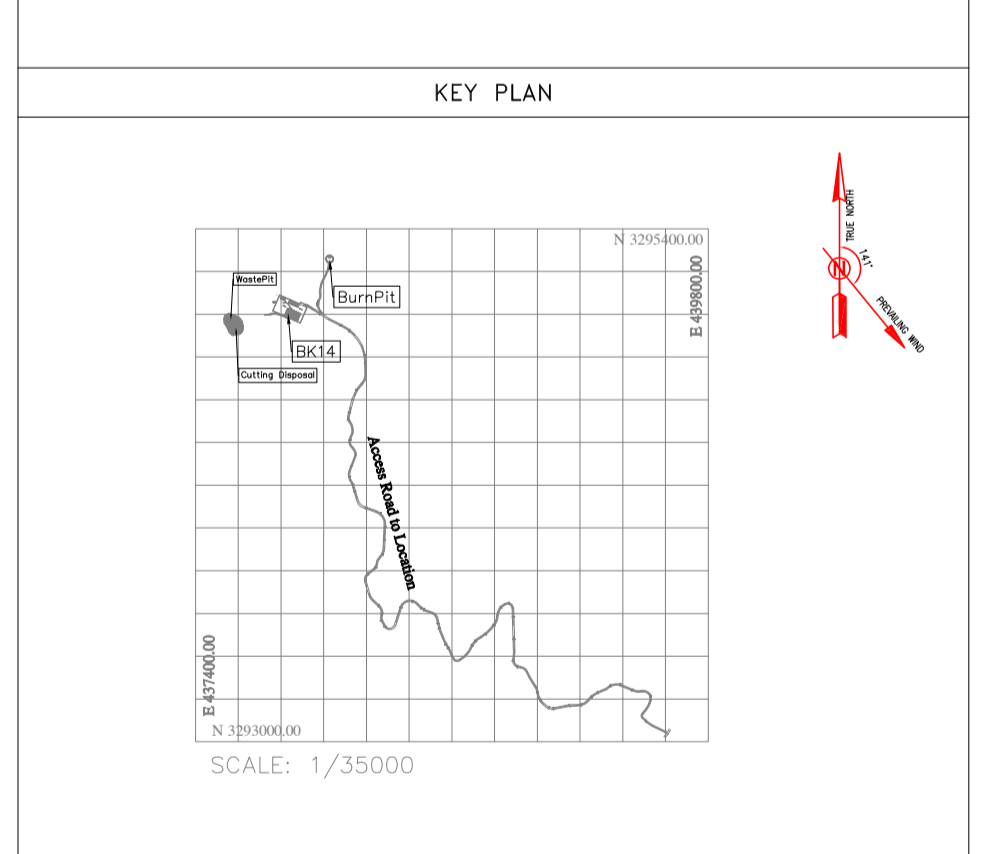


- NOTES**
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 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
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 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
 IRAN PLANNING AND BUDGET ORGANIZATION.
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK"
 DOCUMENT NUMBER "BK-GNRAI-PEDCO-000-CV-SP-0004".
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- LEGEND**
- WELL LOCATION
 - WELL
 - SITE
 - CAMP SITE
 - ASPHALT ROAD
 - GRAVEL ROAD
 - PROPOSED ROAD
 - DAYLIGHT
 - CANAL
 - RIVER
 - WATER COURSE
 - CONTOURS
 - SPOT HEIGHT
 - BENCH MARK
 - BRIDGE
 - CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAI-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRAI-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

- ABBREVIATION**
- PT= POINT
 - PVI= POINT OF VERTICAL INTERSECTION
 - LVC= LENGTH OF VERTICAL CURVE
 - BVCS= BEGIM OF VERTICAL CURVE STATION
 - BVCE= BEGIM OF VERTICAL CURVE ELEVATION
 - EVCS= END OF VERTICAL CURVE STATION
 - EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DESCRIPTION	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI ***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD ***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD ***
DOO	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD ***

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME:		BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS				
PROJECT NO.:	971020					
EPC CONTRACTOR:	 					
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
APPROVED FOR CONSTRUCTION		BY:	DATE:			
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.		
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	45 OF 101	D03		
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	45	D03

TOTALLY REVISED

NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
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ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
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VERTICAL DATUM: MSL
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- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
IRAN PLANNING AND BUDGET ORGANIZATION
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK"
DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004"
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LEGEND

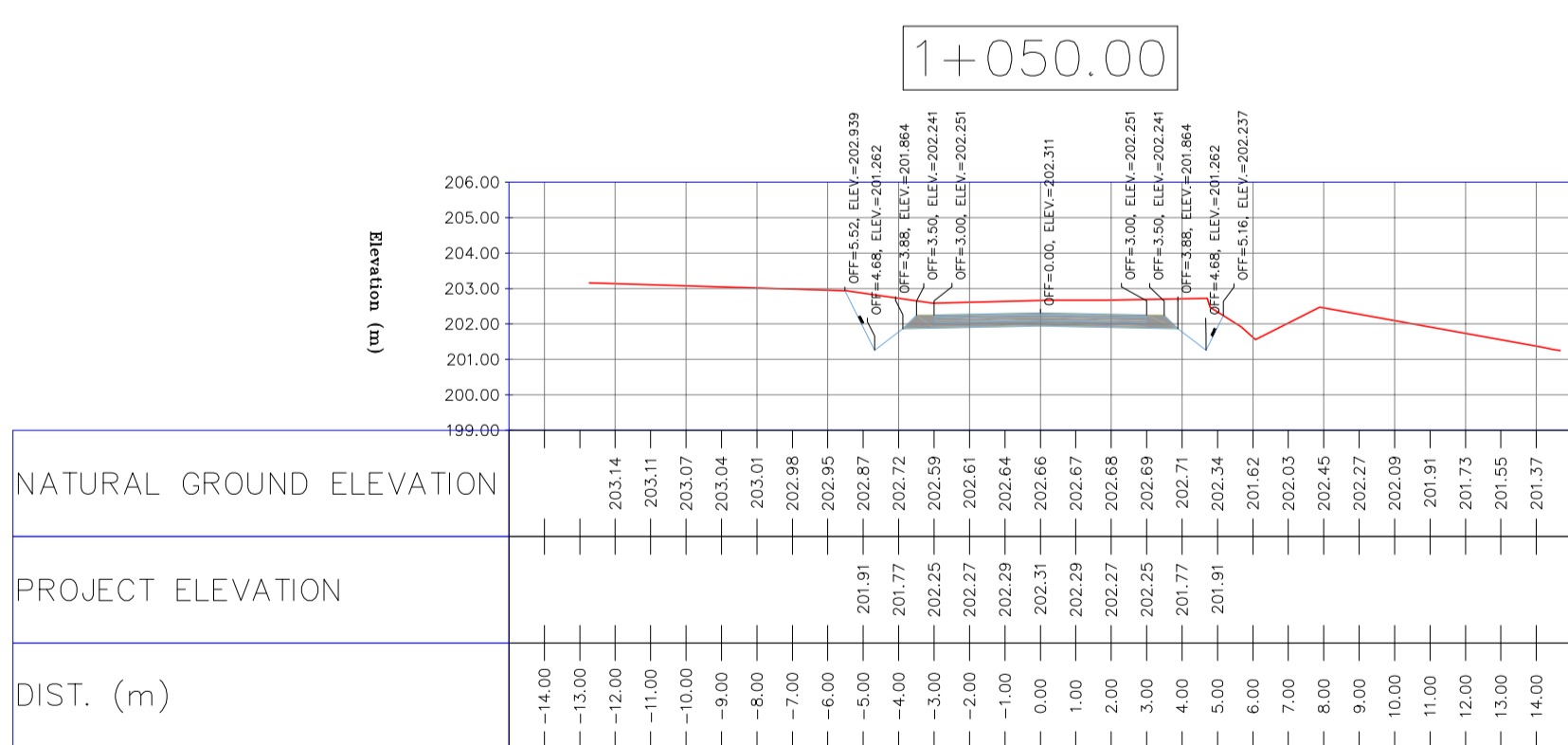
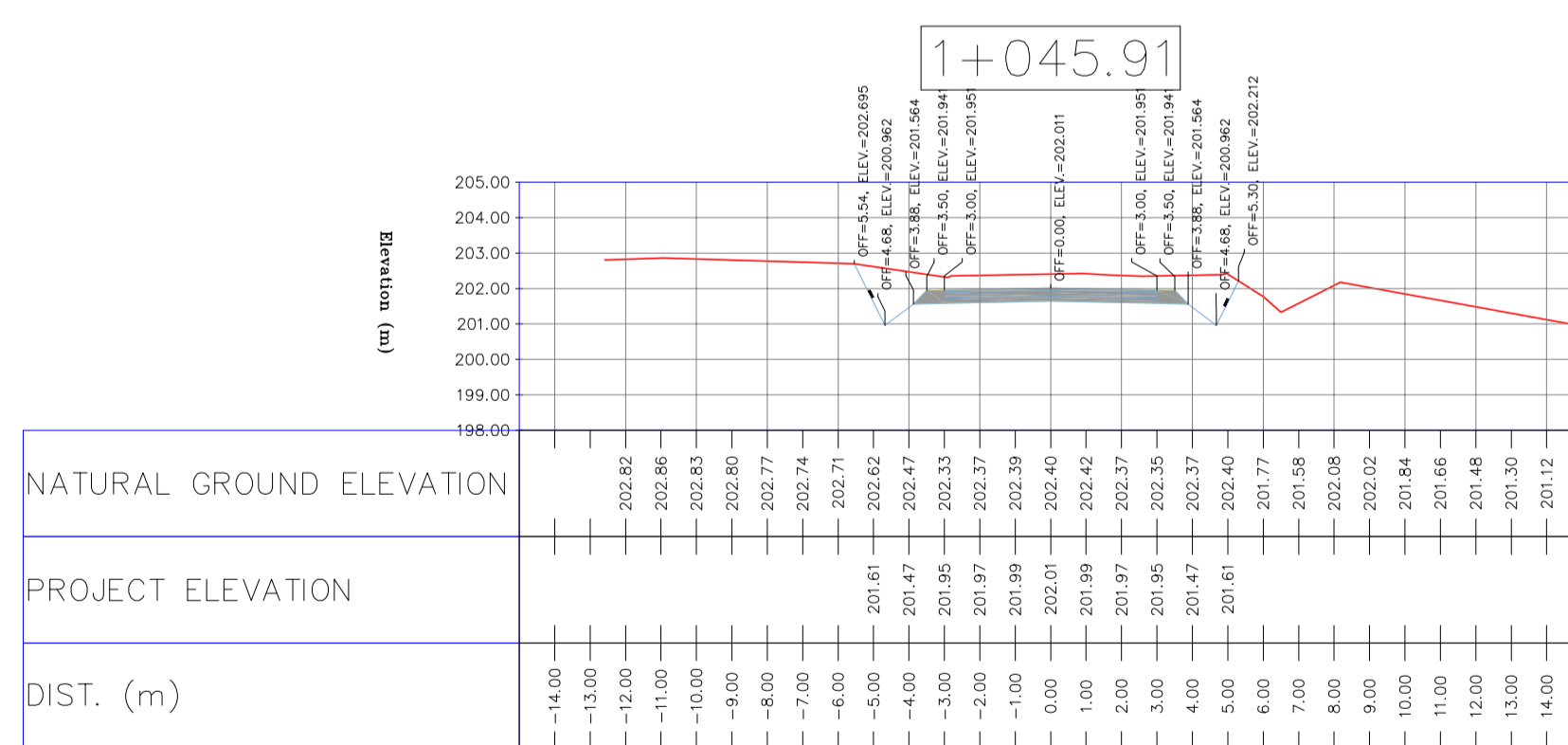
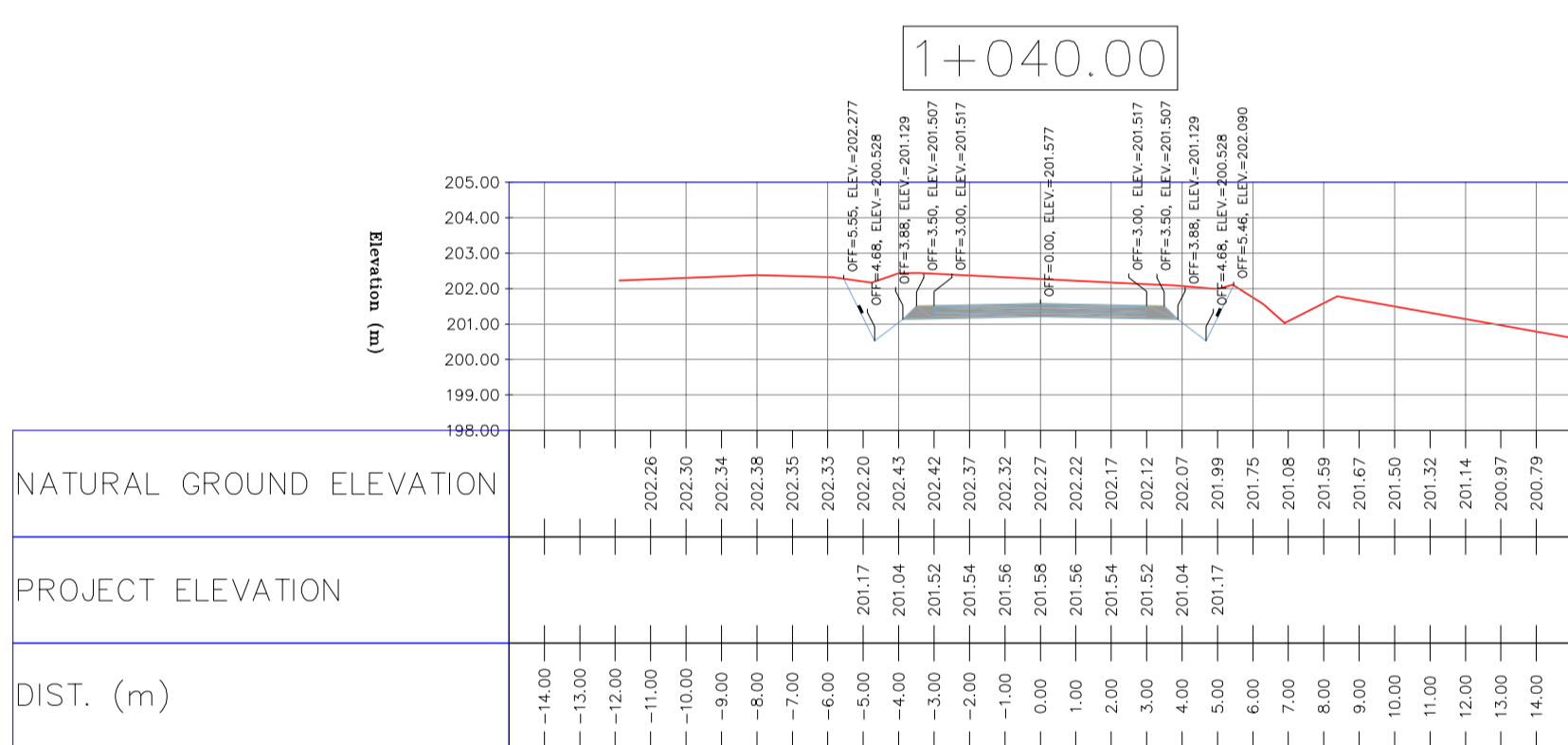
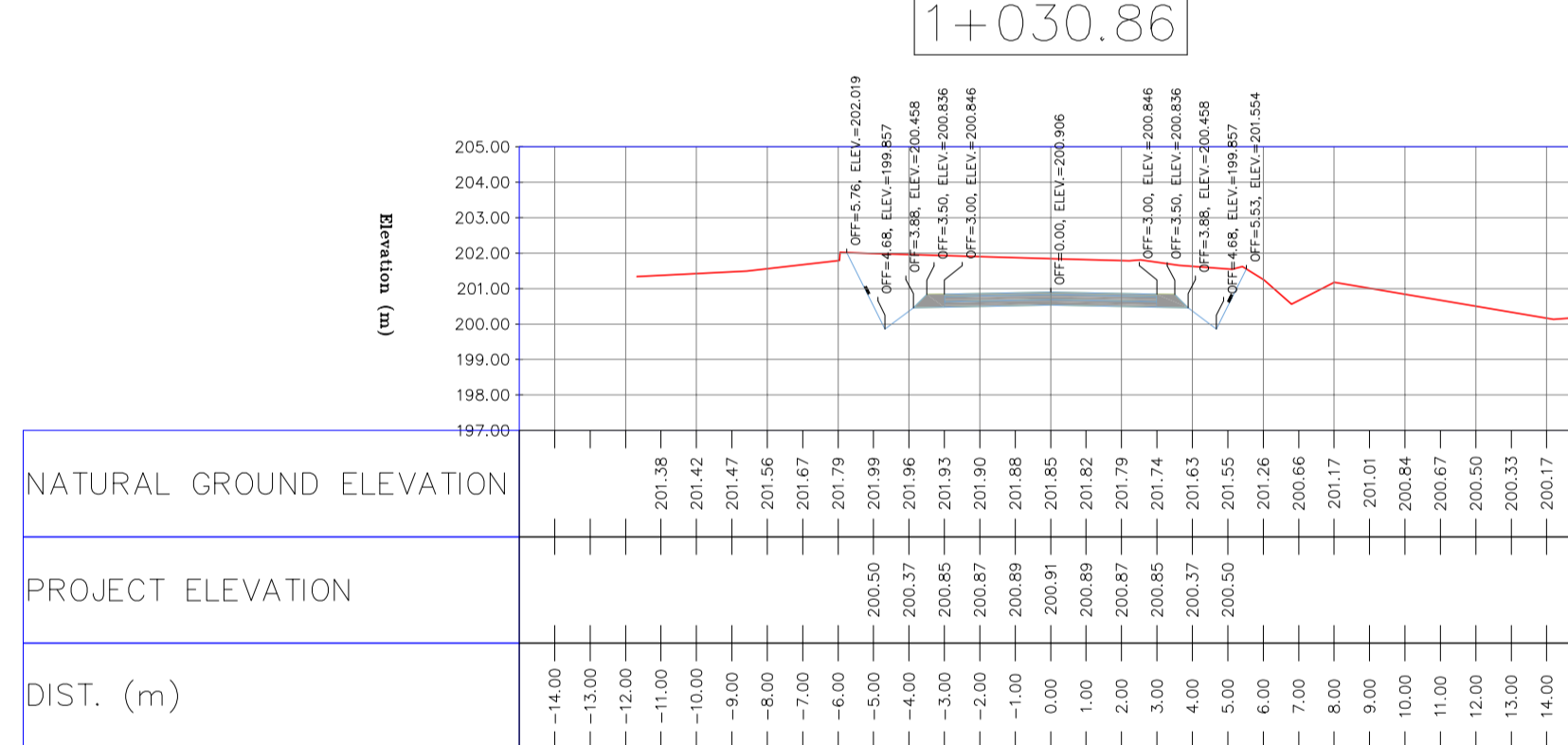
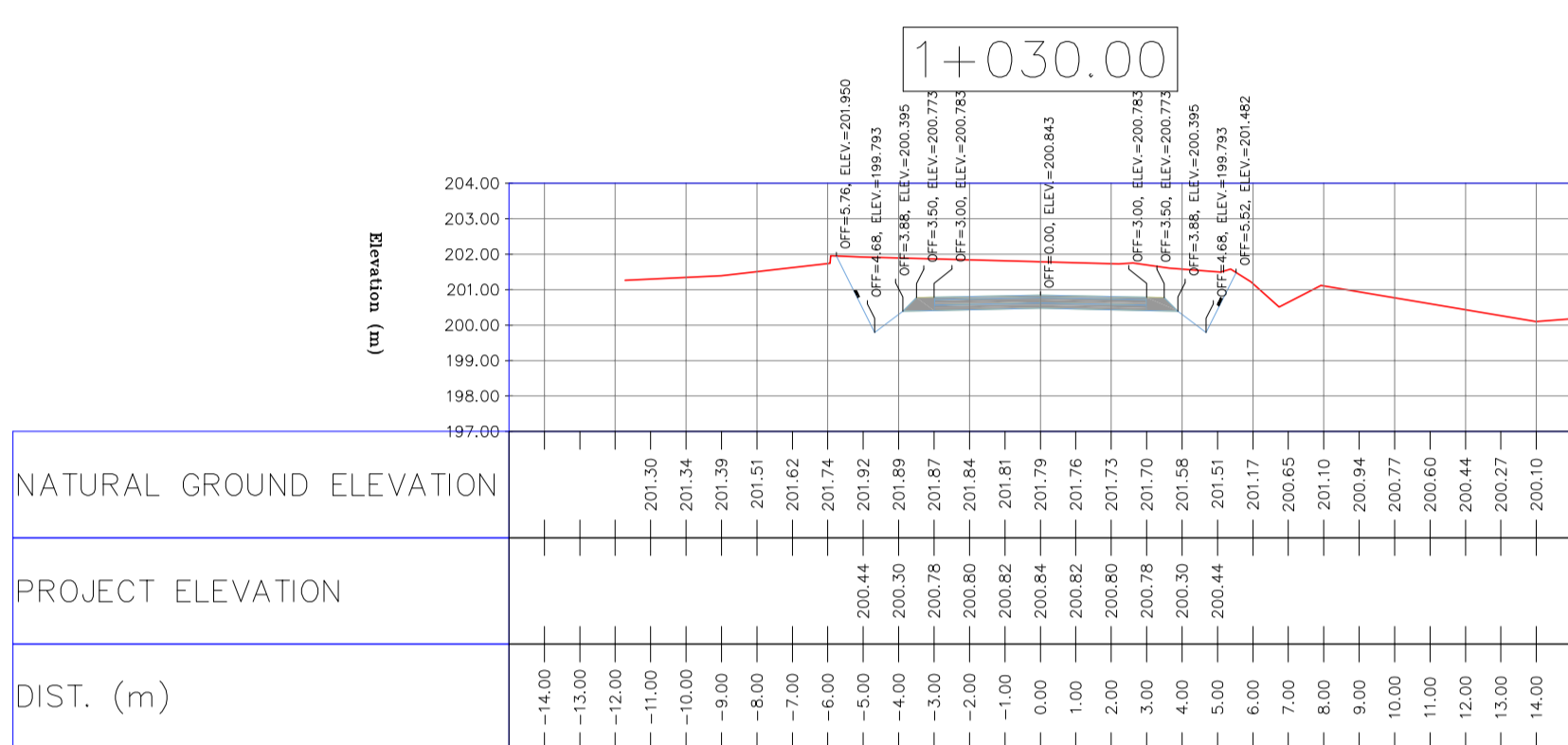
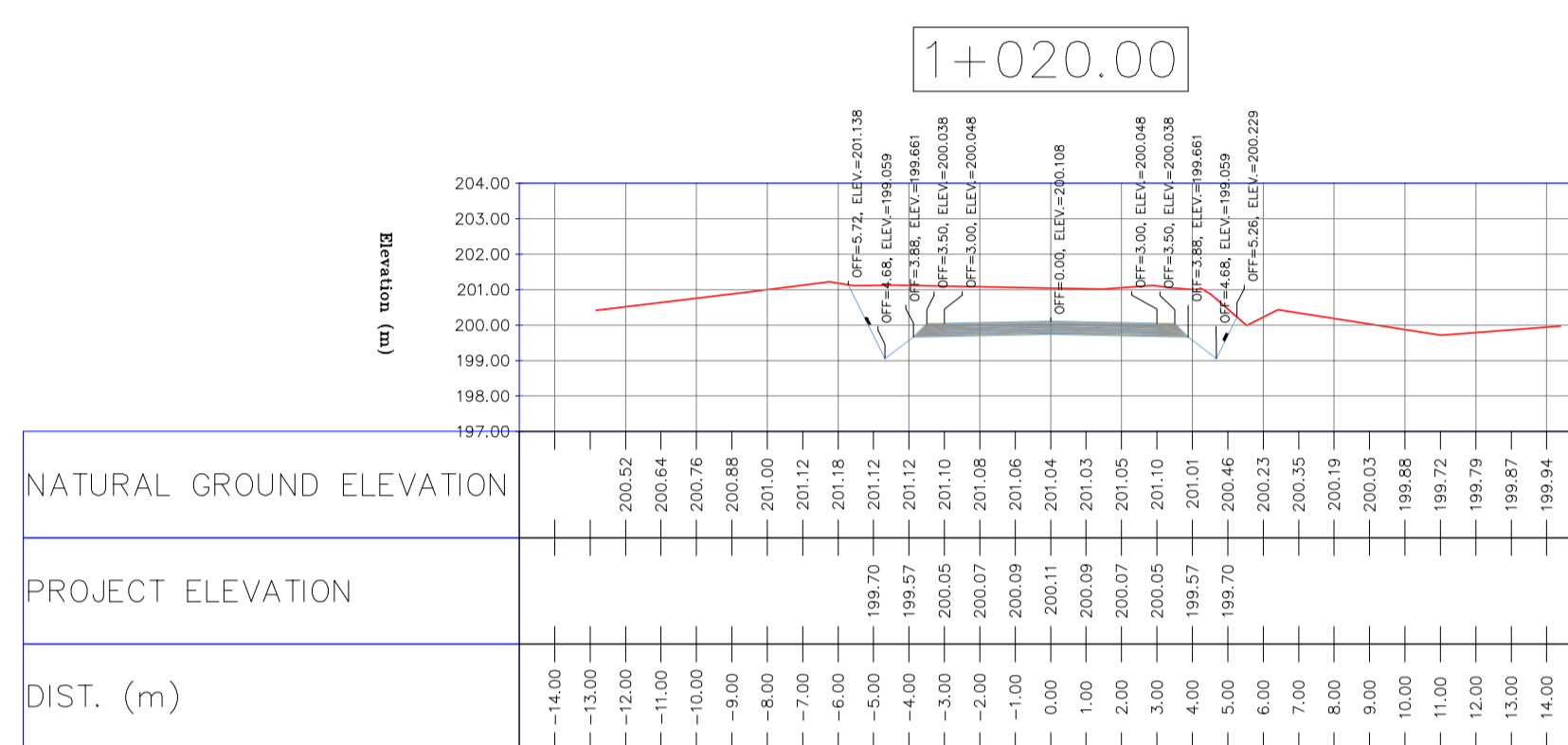
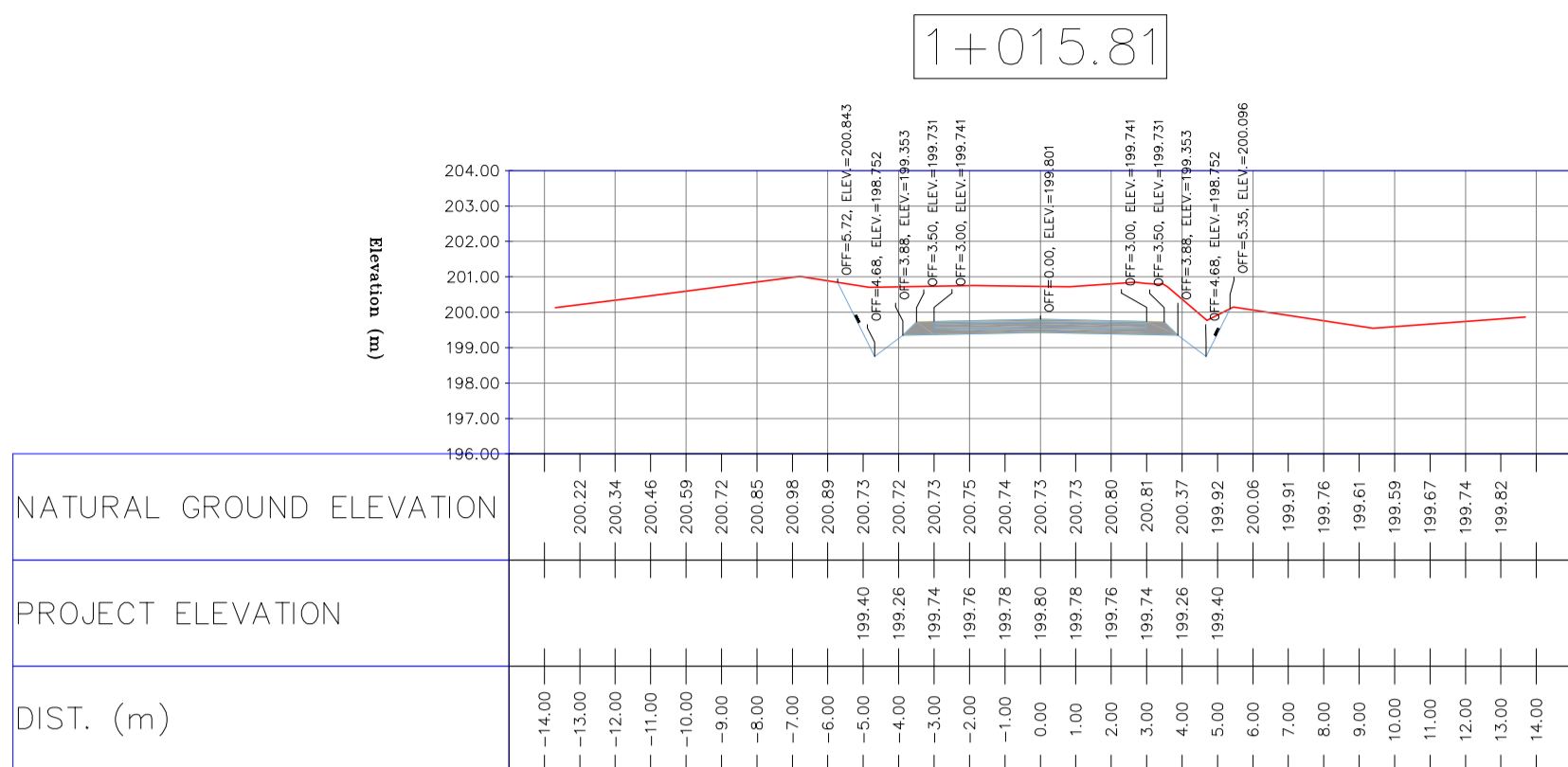
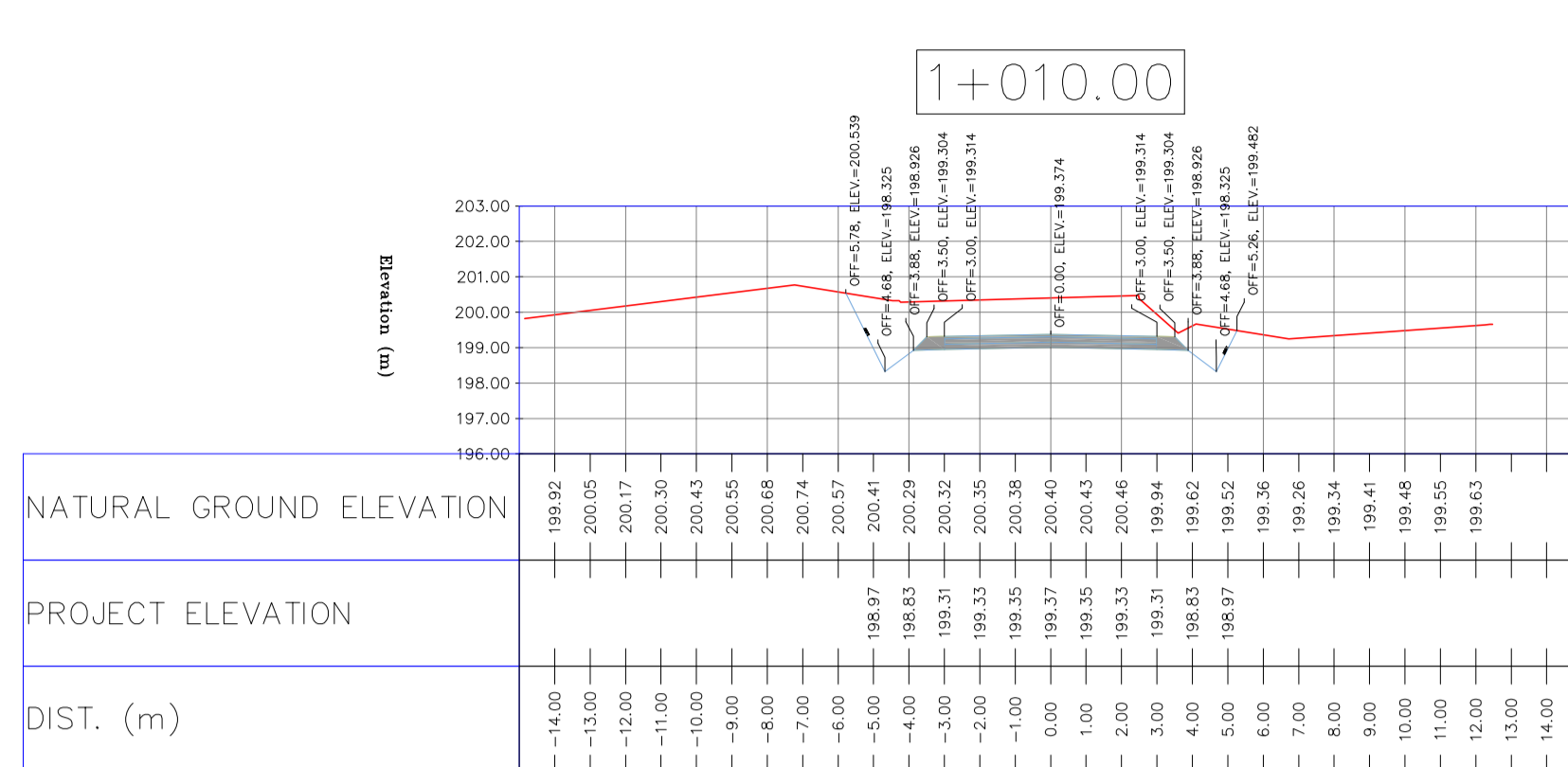
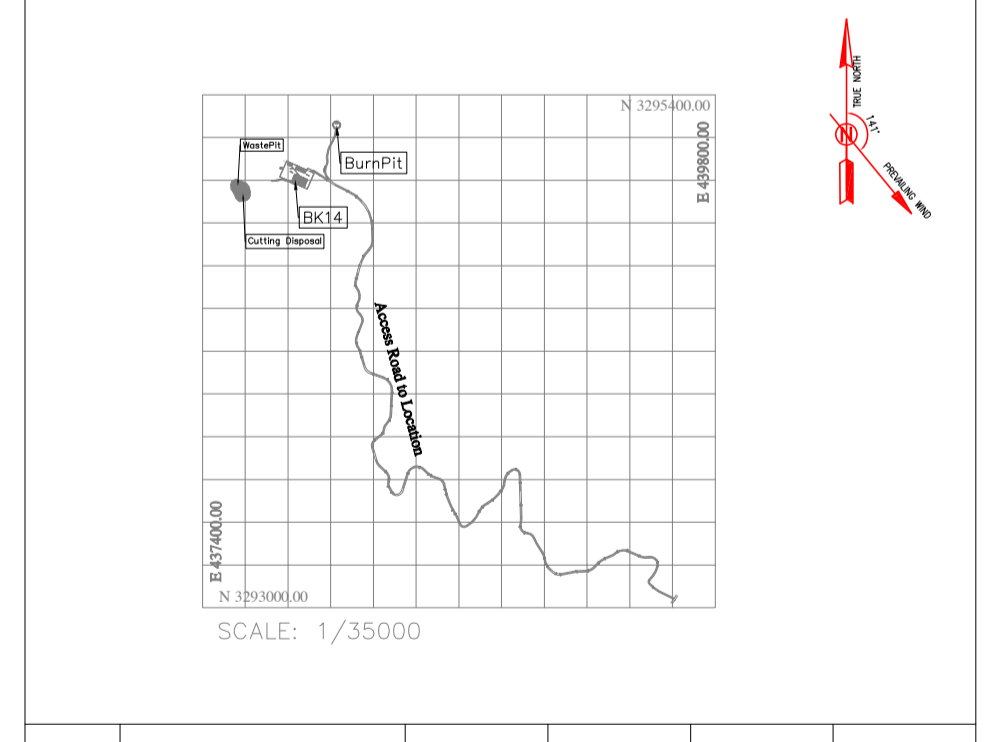
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-BK14-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVCS= BEGN OF VERTICAL CURVE STATION
BVCE= BEGN OF VERTICAL CURVE ELEVATION
EVCES= END OF VERTICAL CURVE STATION
EVCVE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***	*****	***	****	***	*****
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

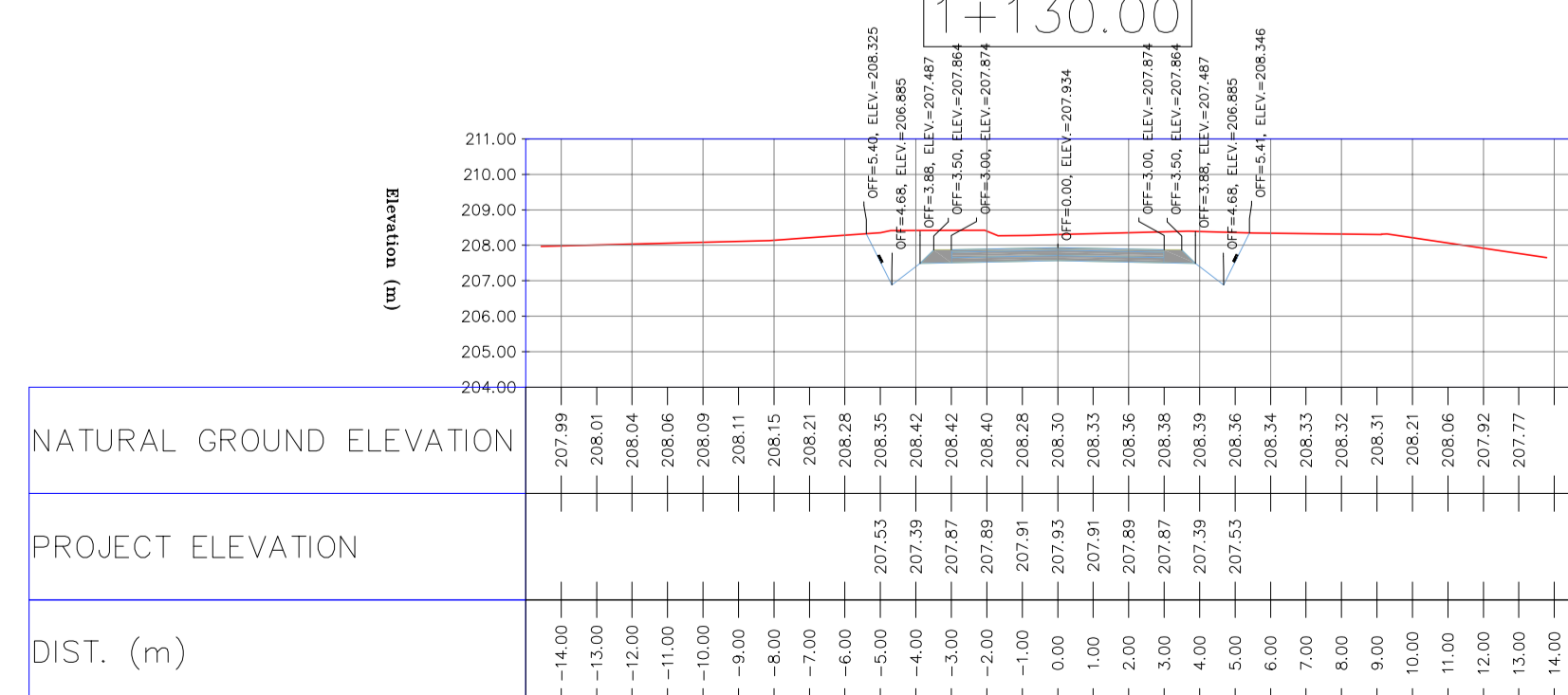
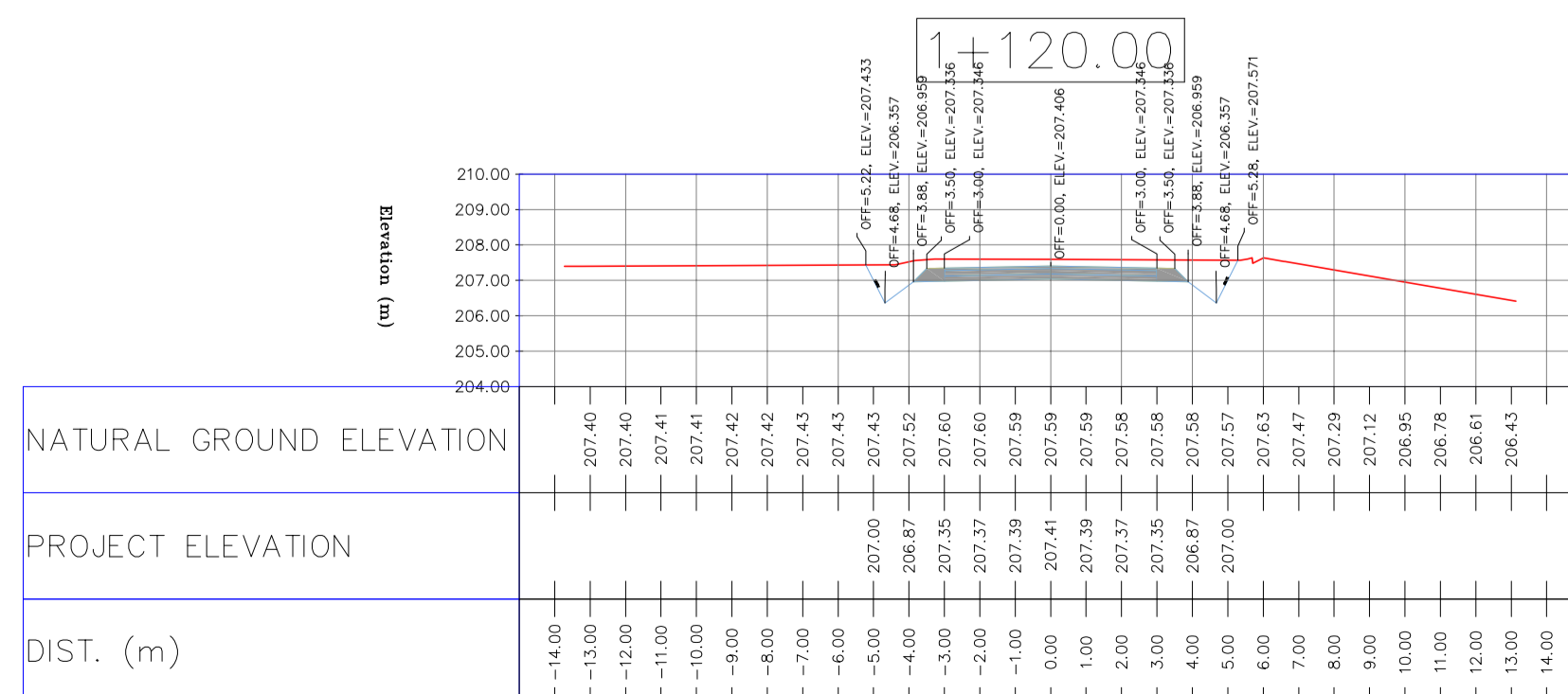
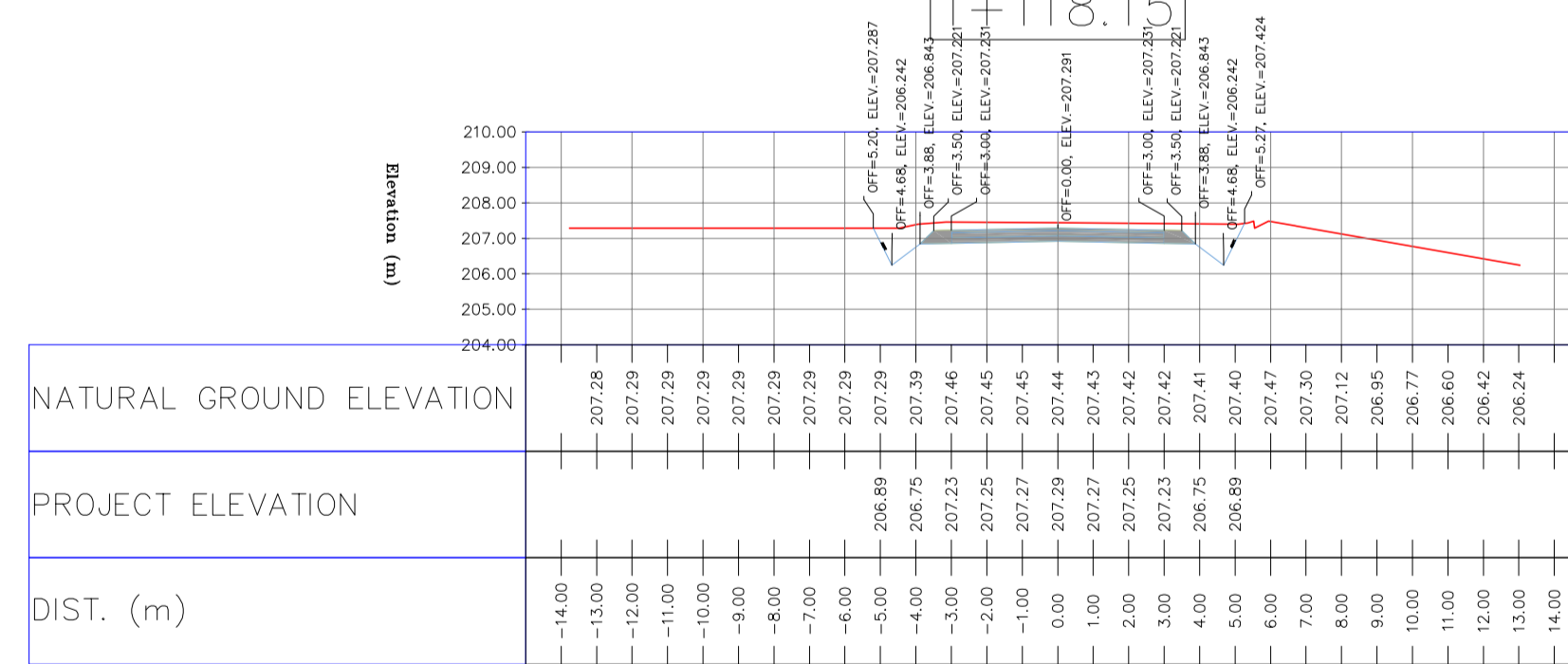
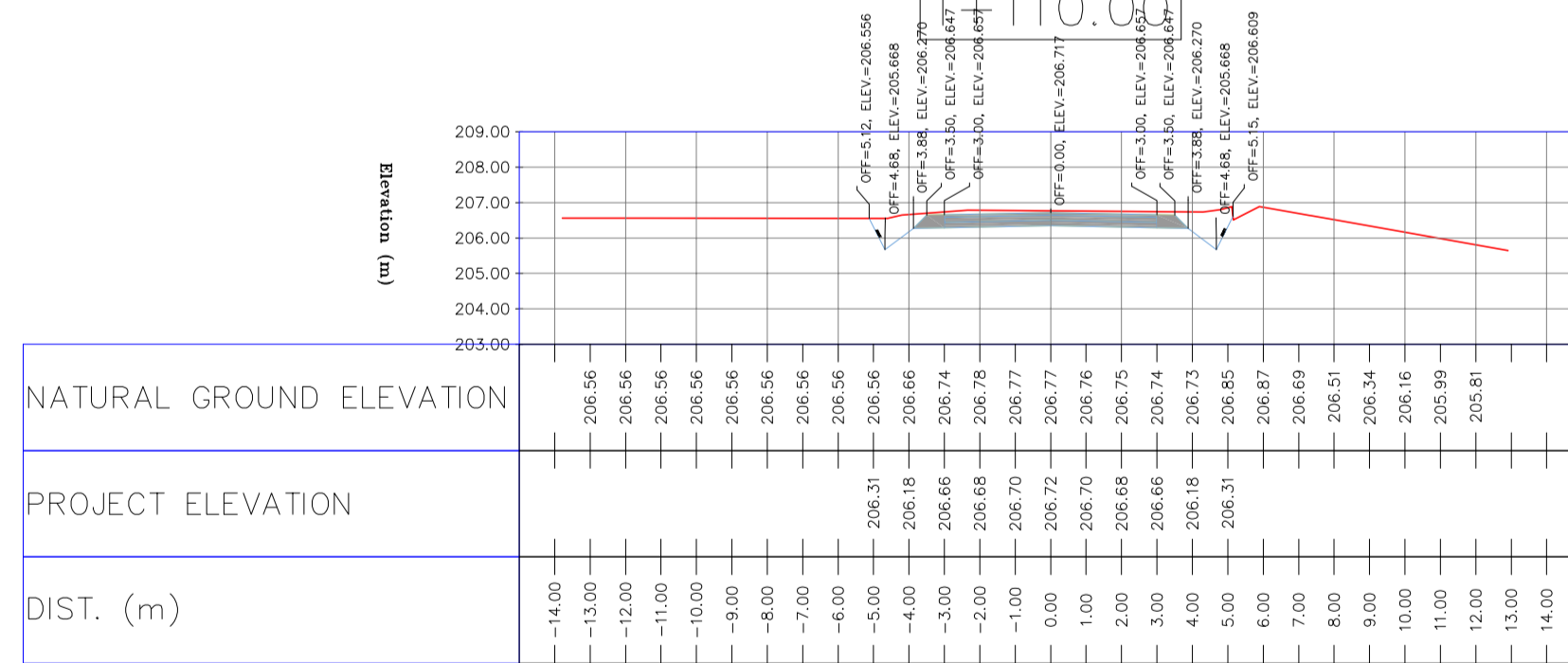
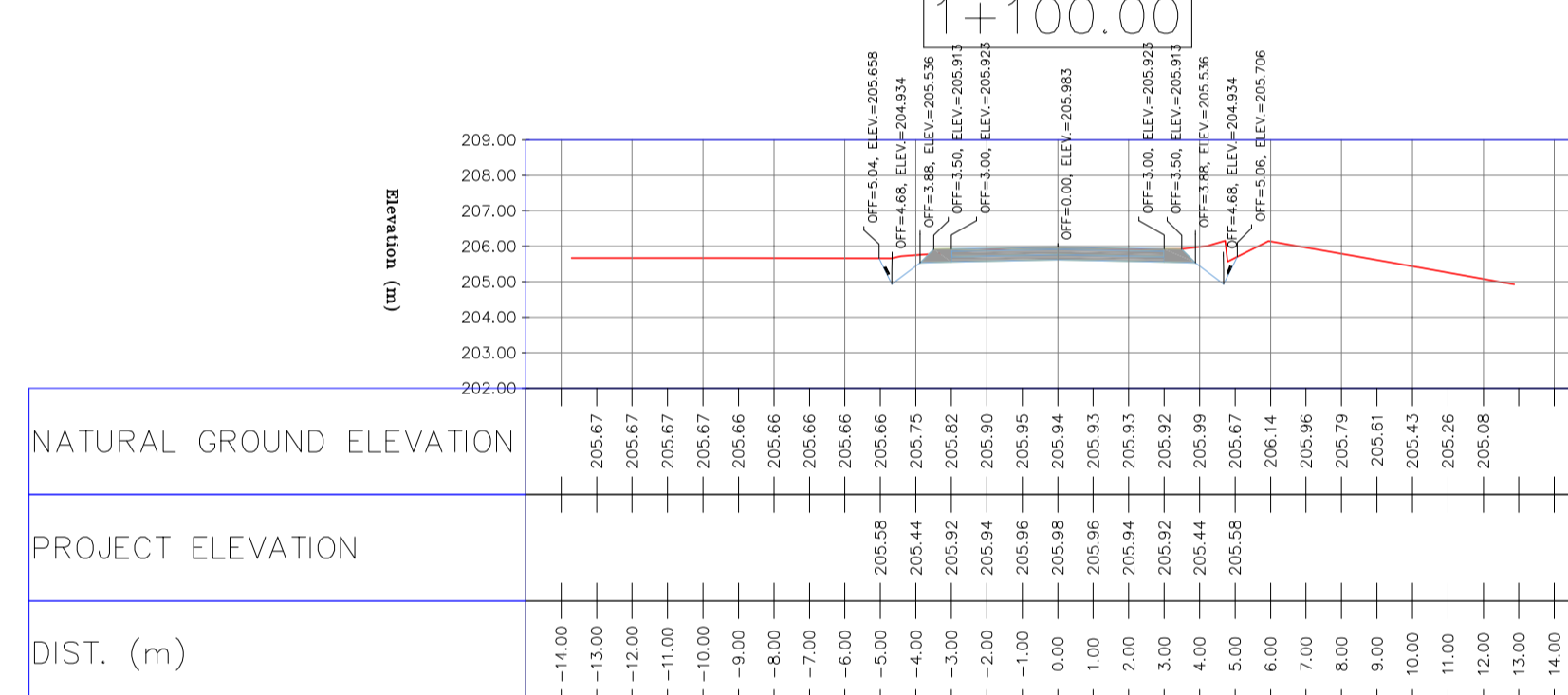
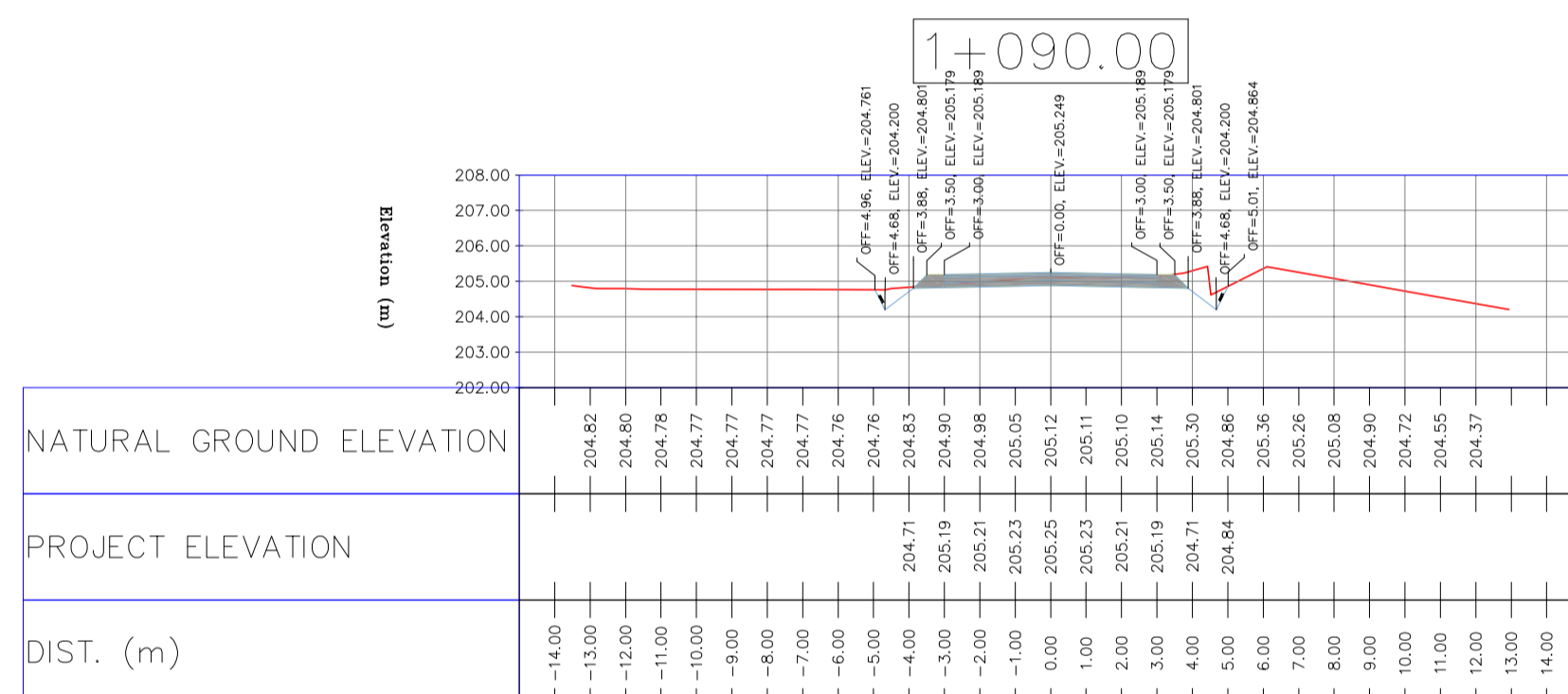
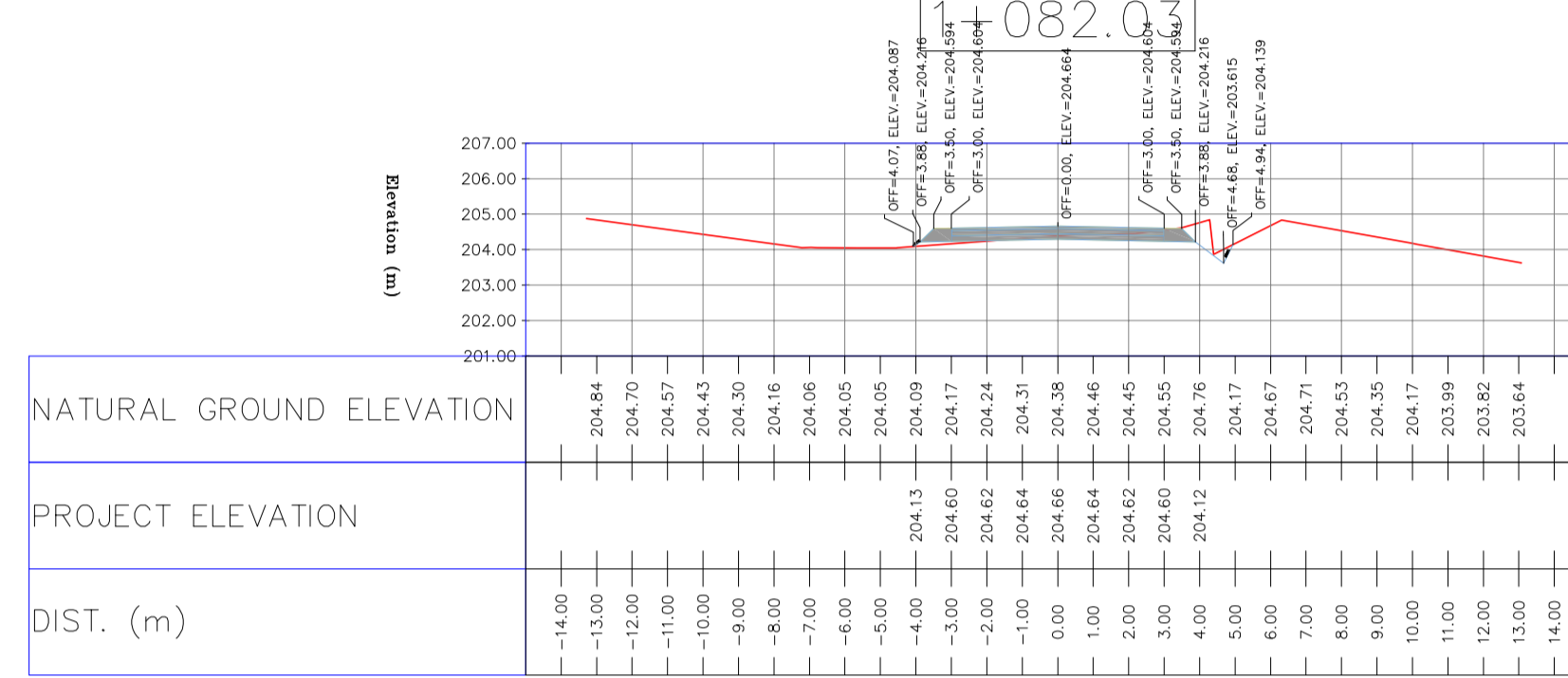
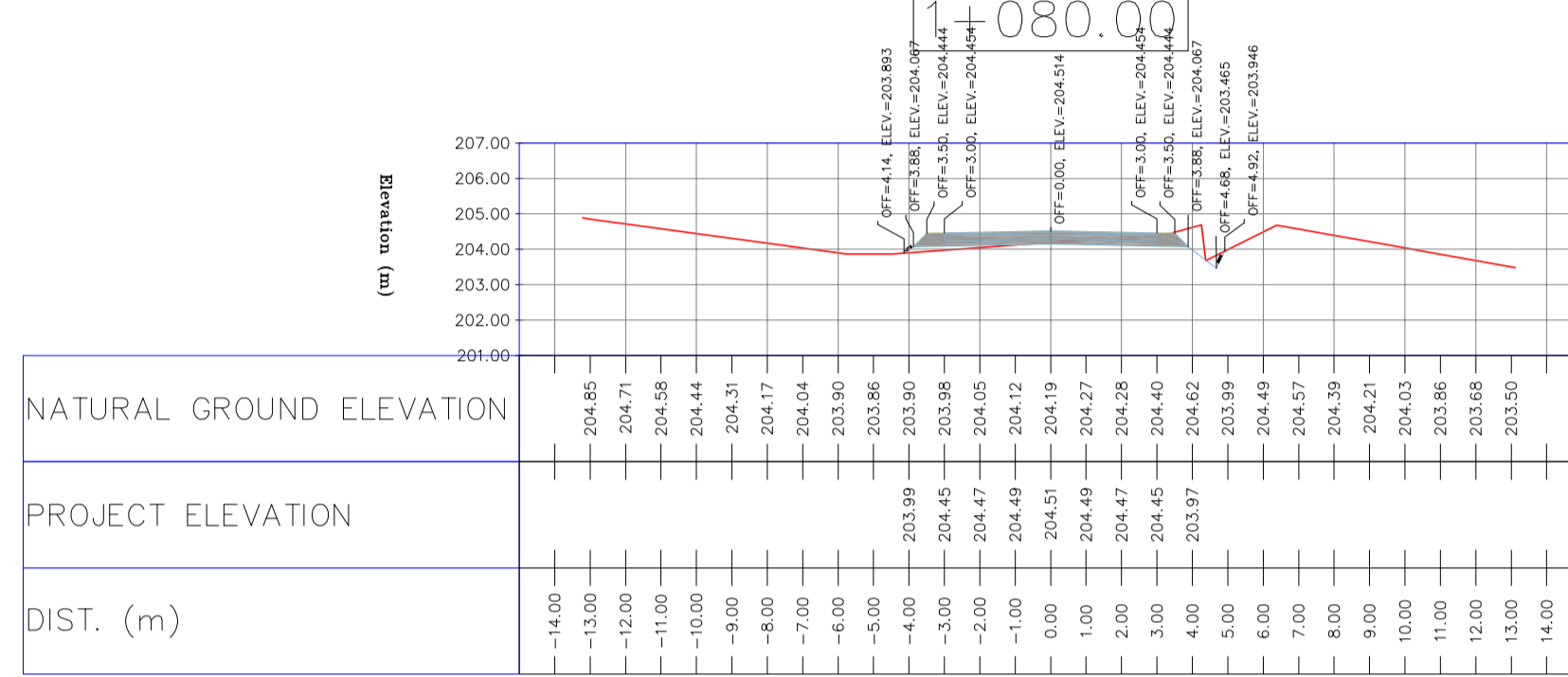
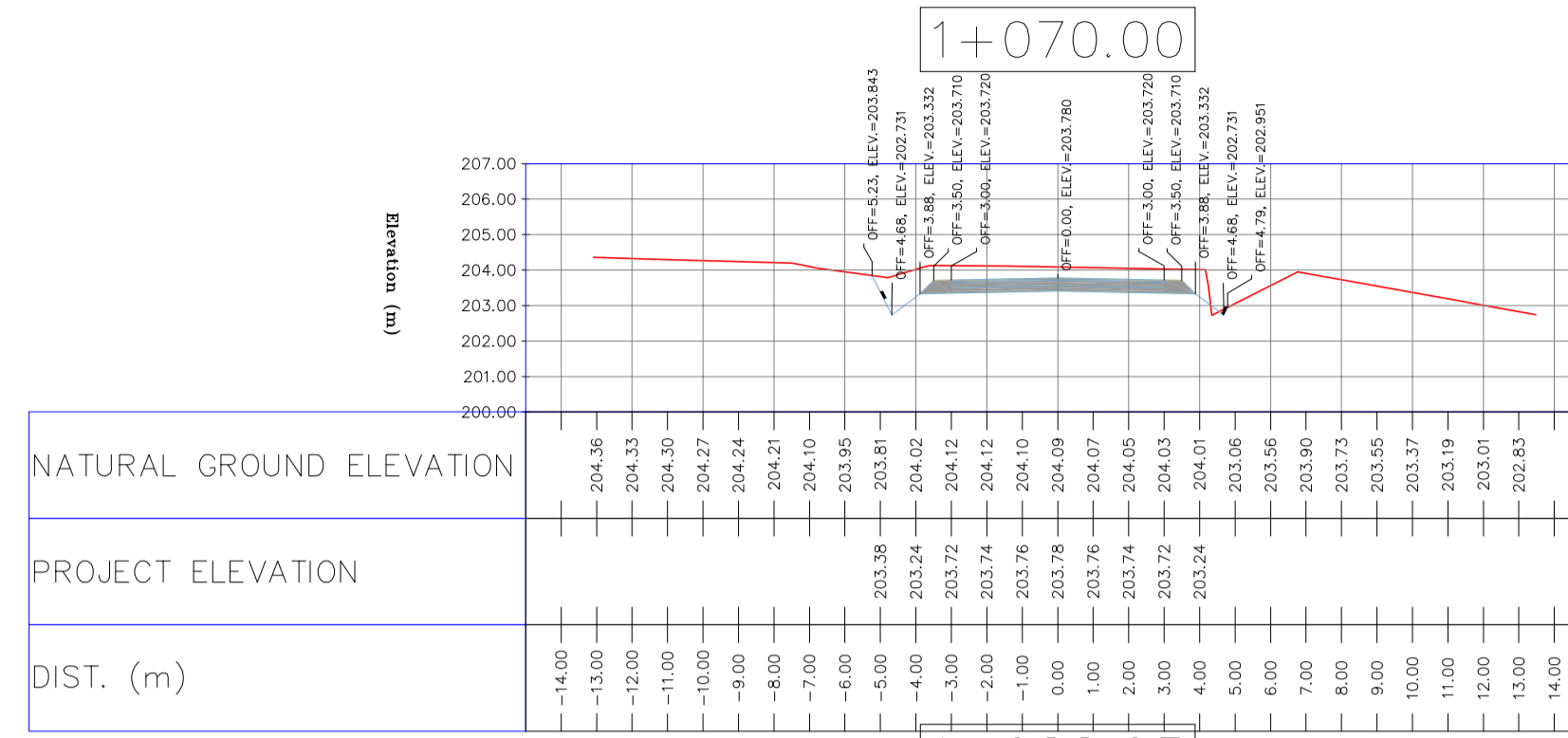
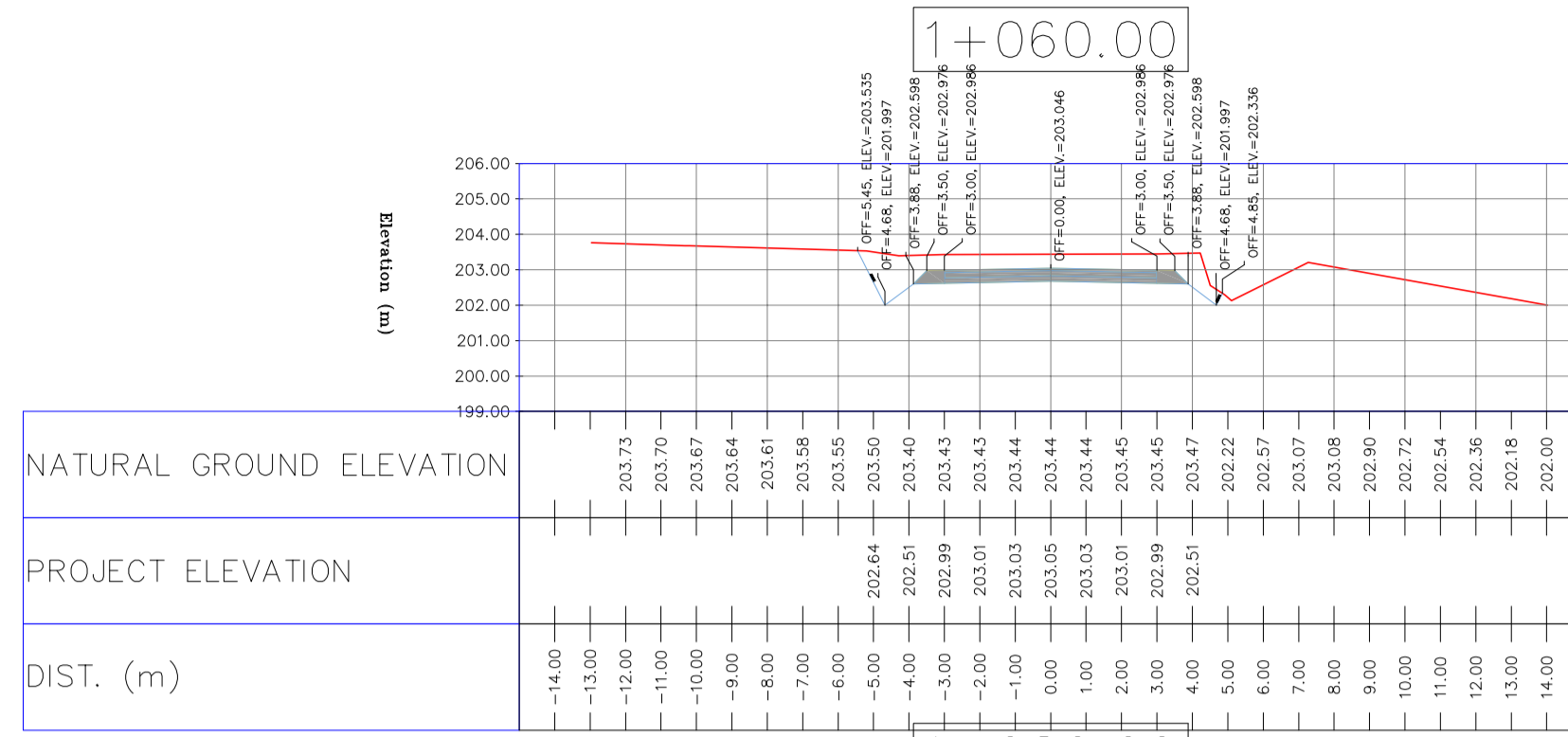
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	47	D03

D03
TOTALLY REVISED



NOTES

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 IRAN PLANNING AND BUDGET ORGANIZATION.
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK"
 DOCUMENT NUMBER "BK-GNRAI-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
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LEGEND

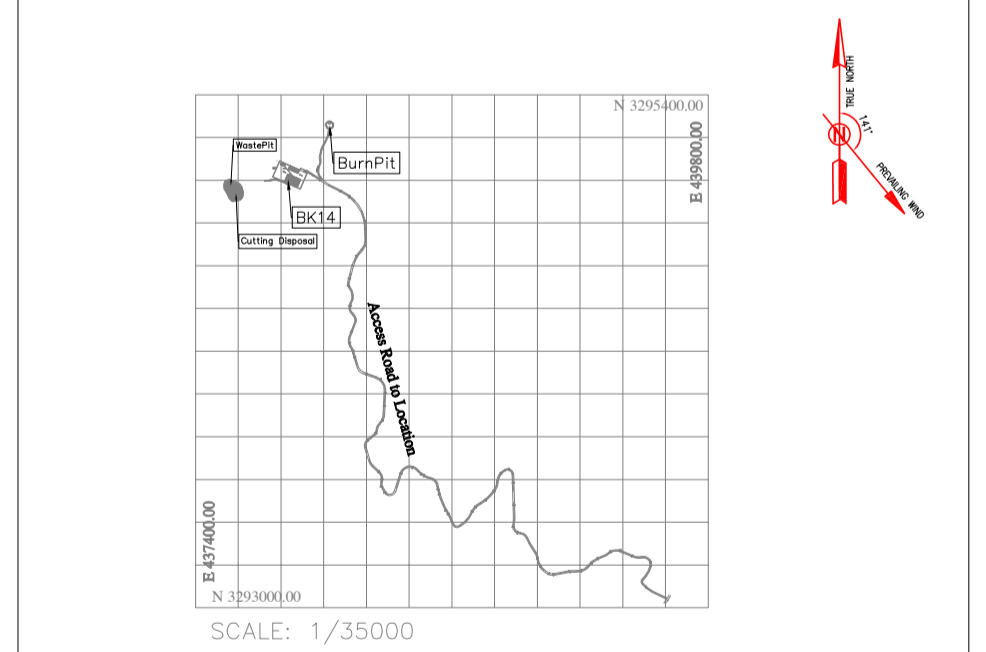
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	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAI-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
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ABBREVIATION

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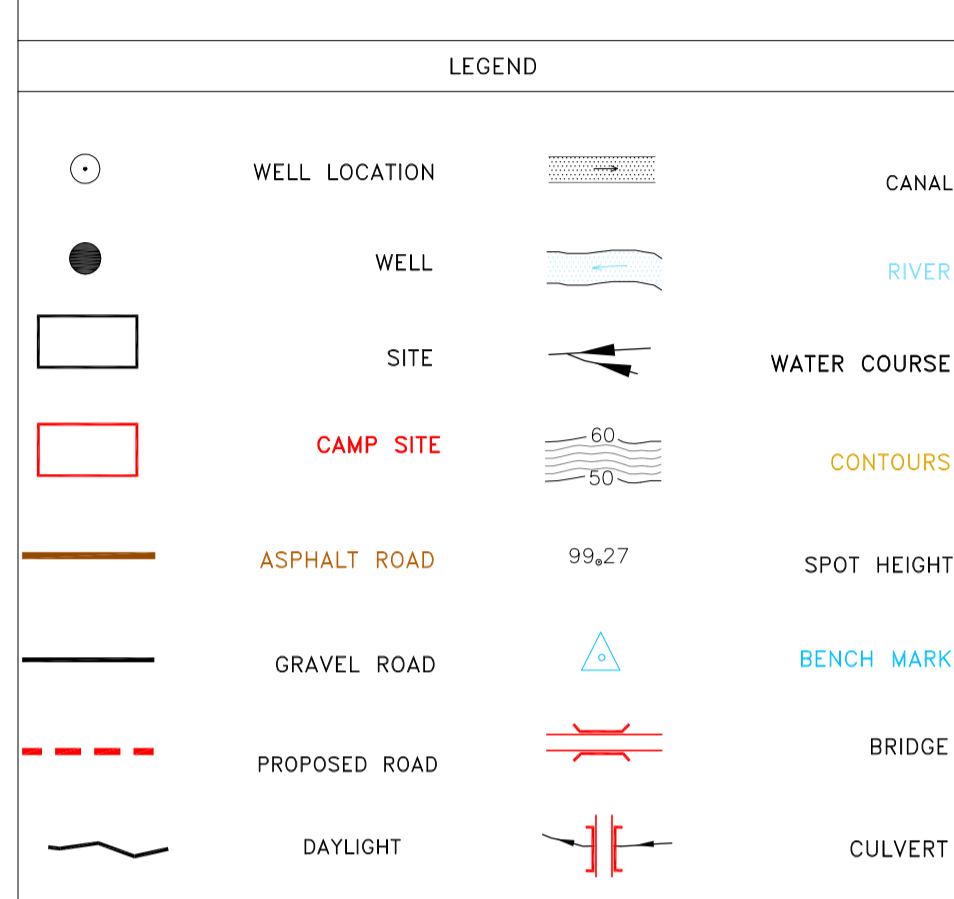
KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	REV.	APPR.	
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***						
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***						
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***						
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***						
							CHECKED					
اصل و کليه نسخ اين نقشه و حق امتياز متعلق به شرکت ملی مناطق نفت خيز جنوب ميباشند. THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF 												
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS PROJECT NO.: 971020 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY												
DATE		SCALE		DRAWING BY		CHECKED BY		PROJECT ENG.				
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED												
APPROVED FOR CONSTRUCTION			BY:			DATE:						
SCALE	SIZE	DRAWING NO.		SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001		48 OF 101	D03	053-073-9184	F	4	S	708209	48	D03

TOTALLY REVISED

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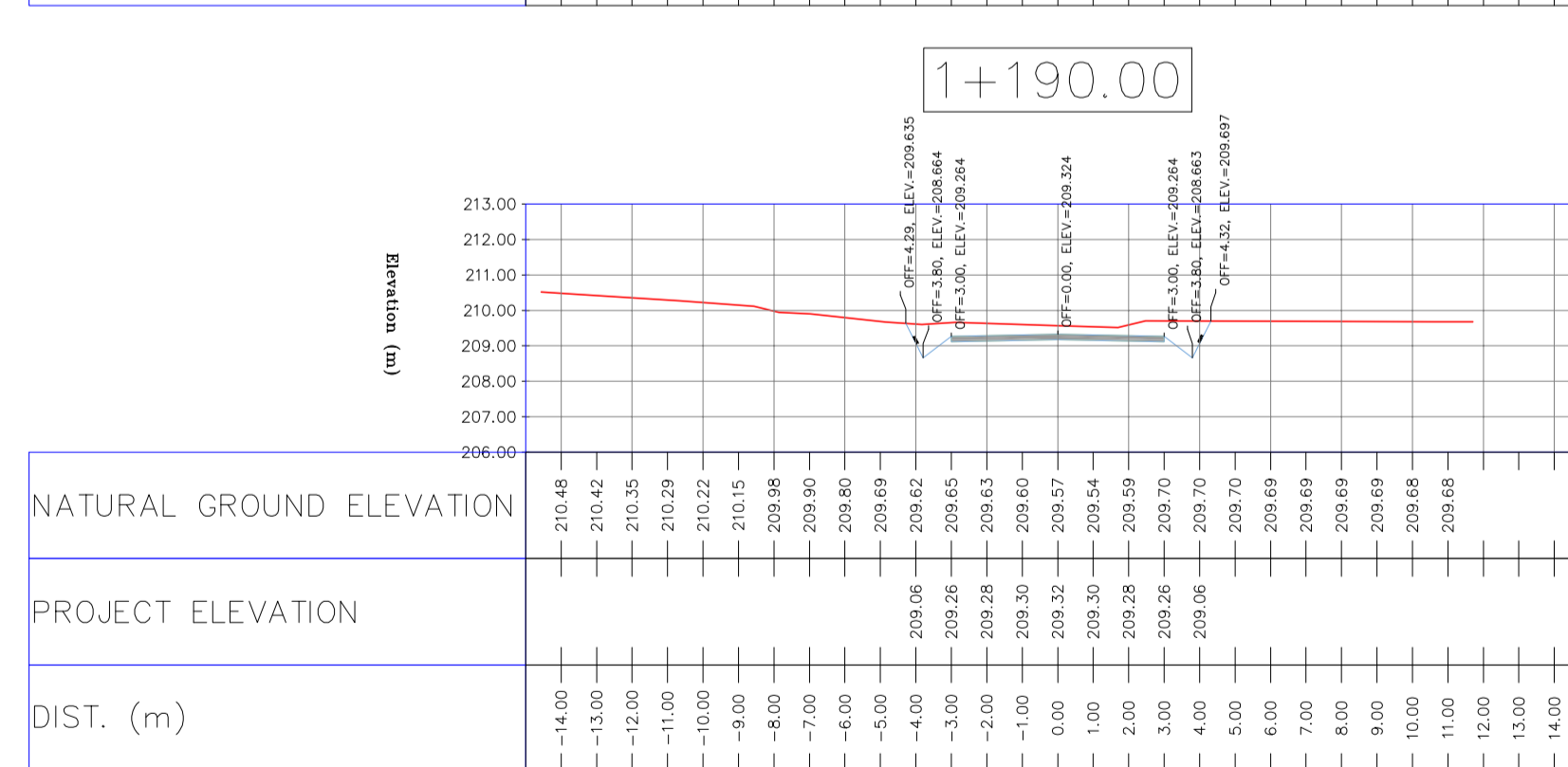
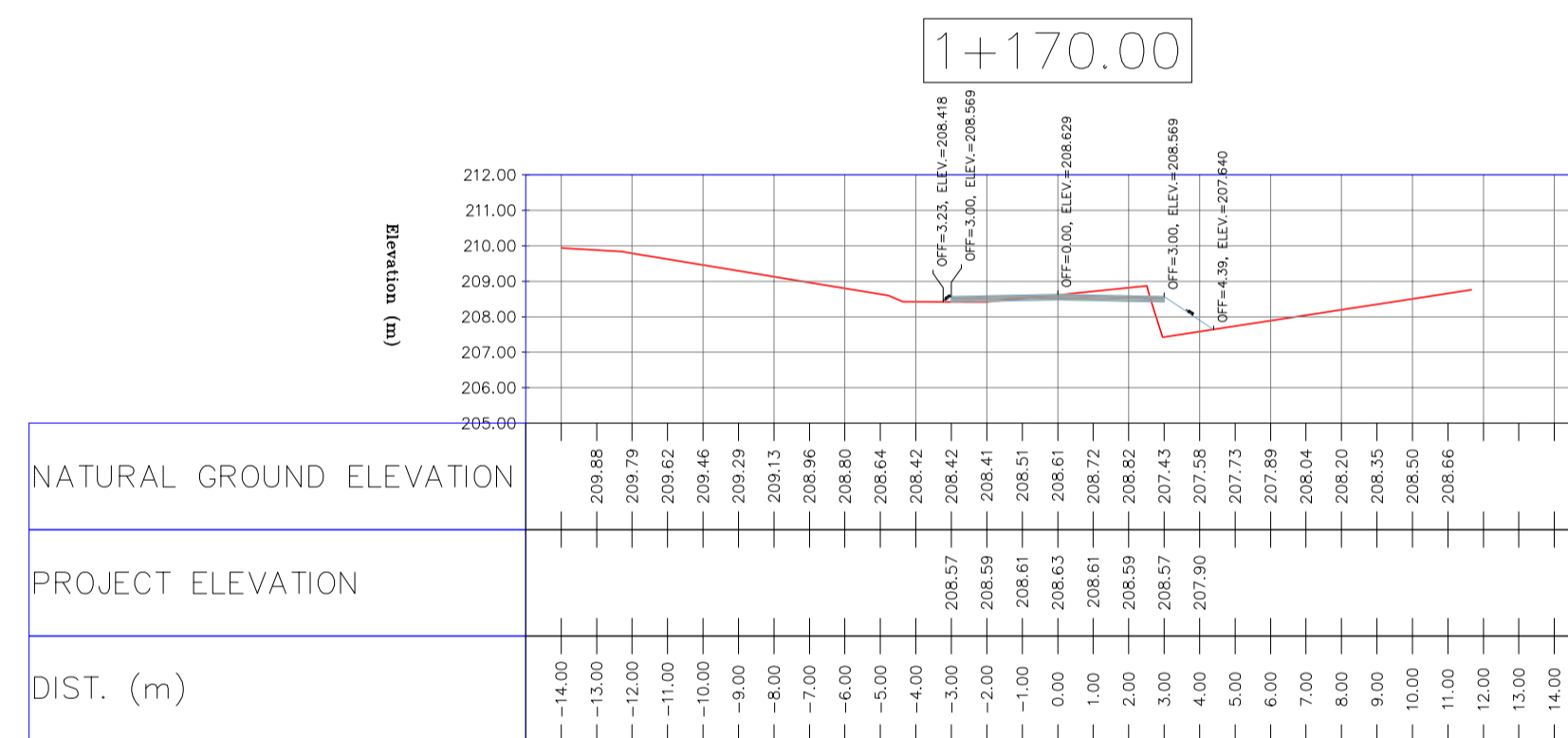
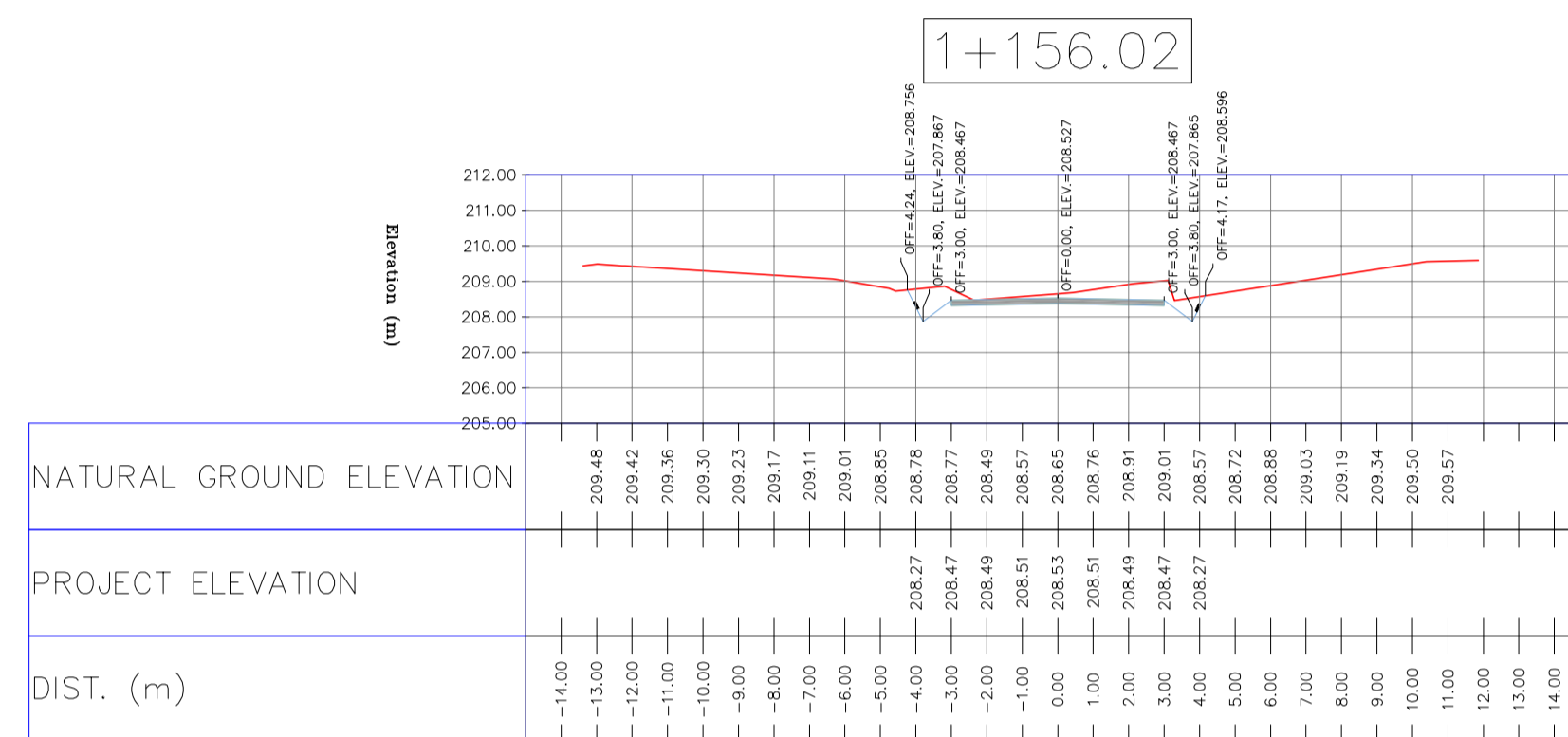
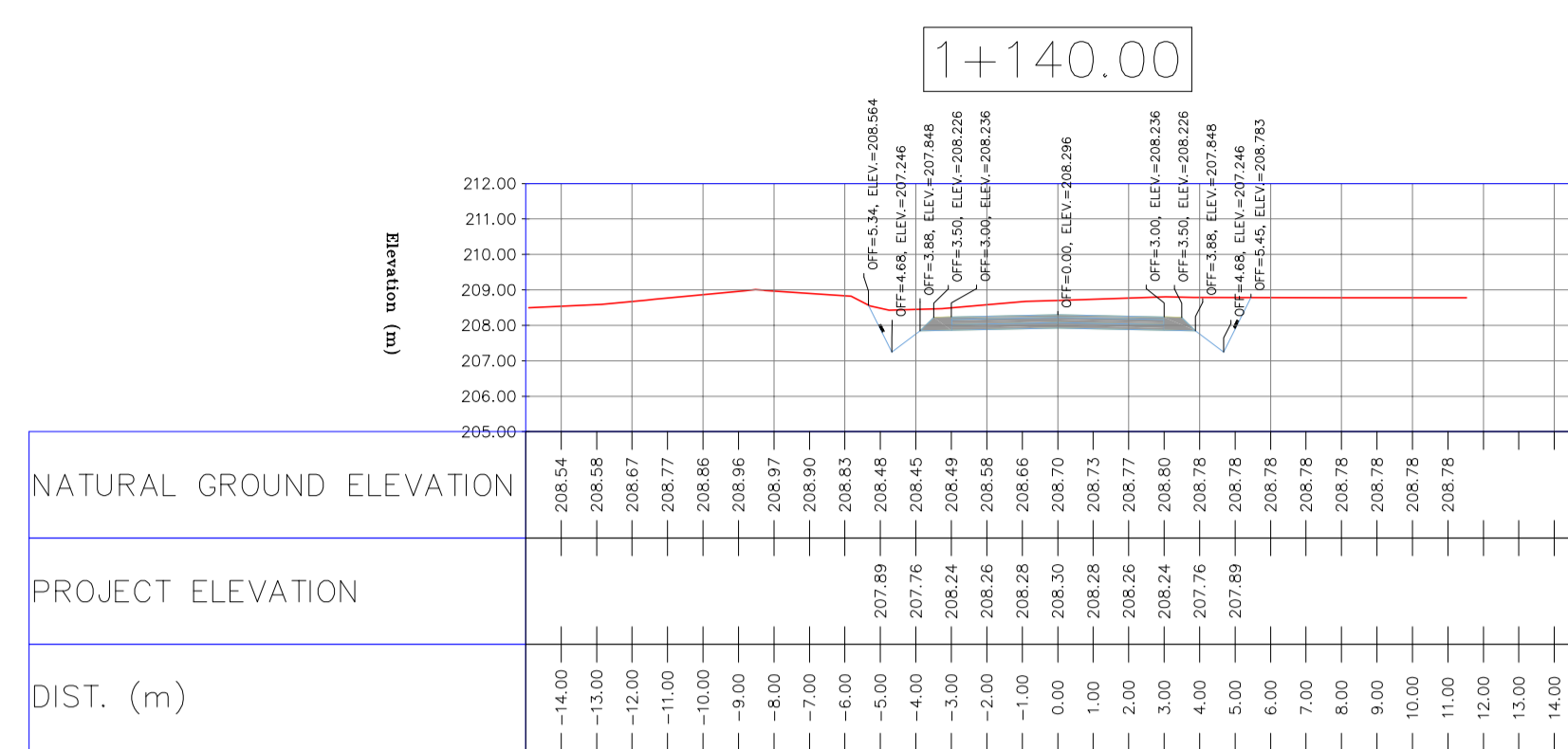
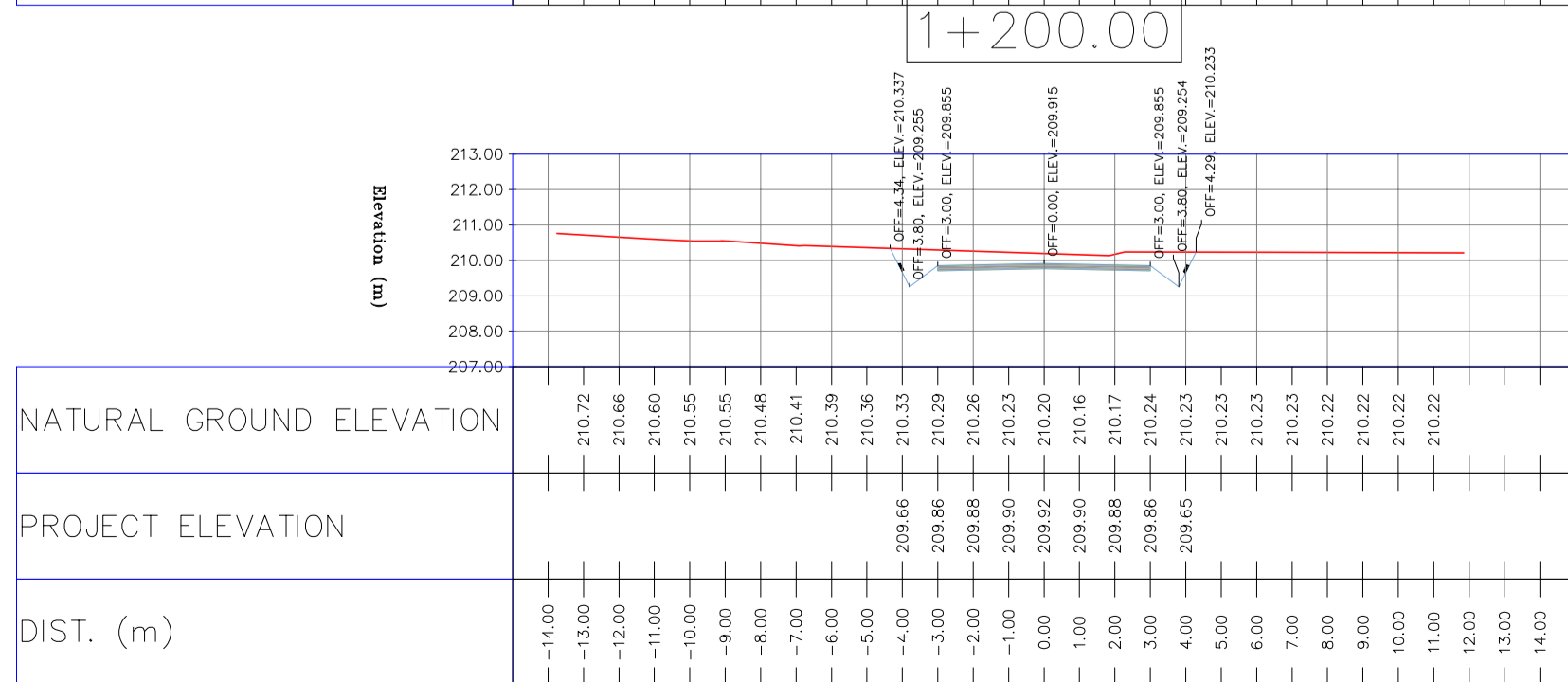
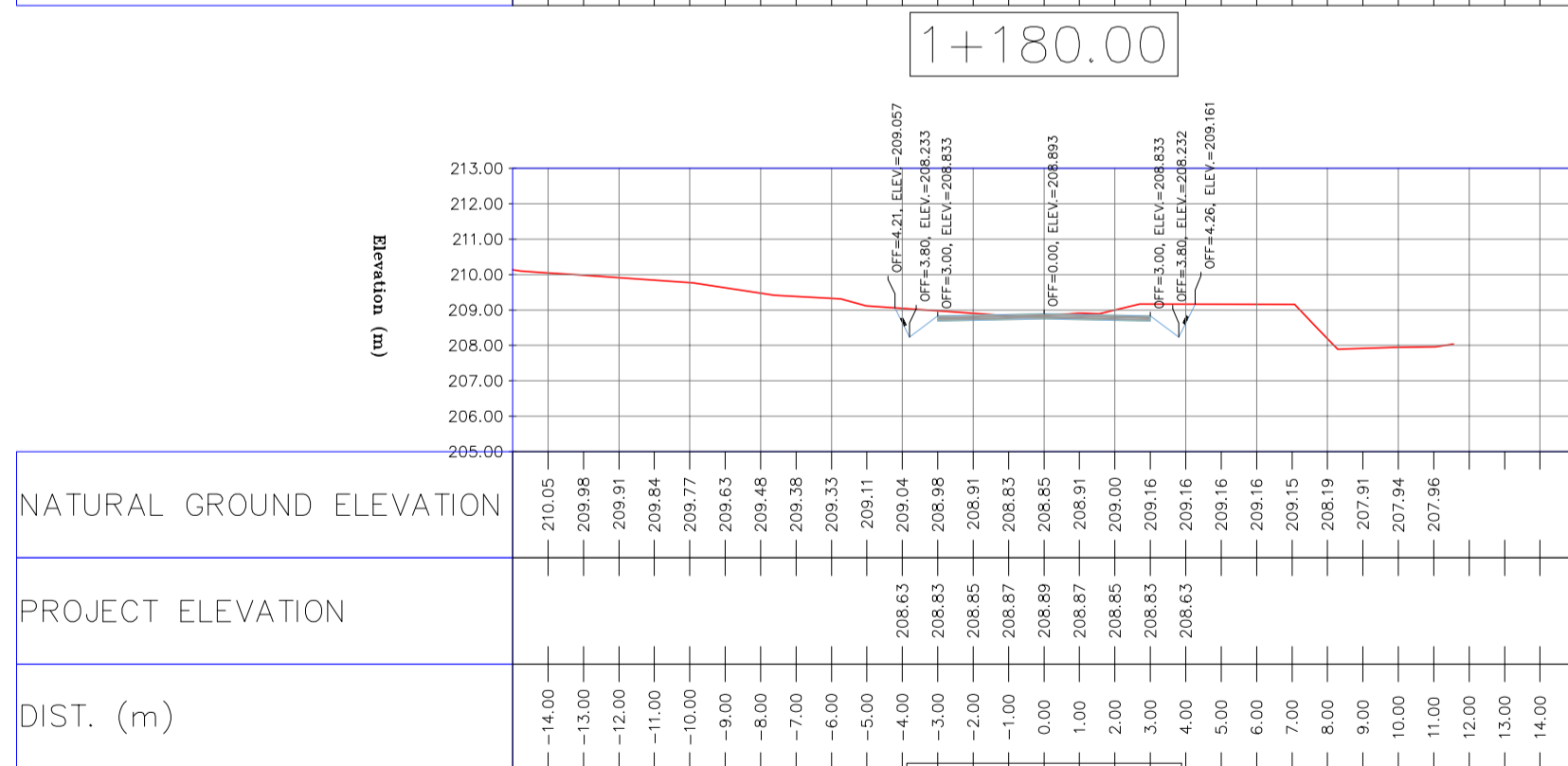
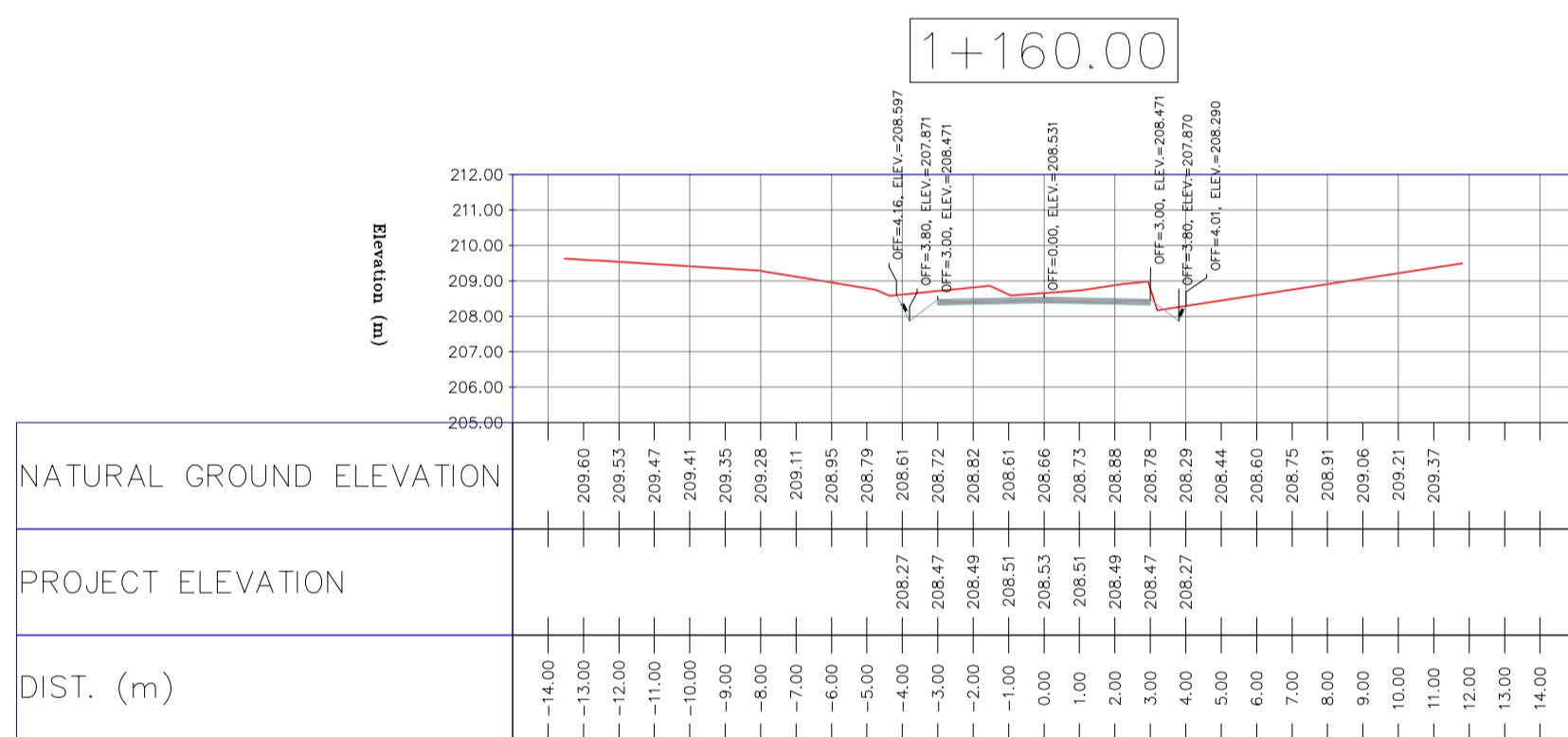
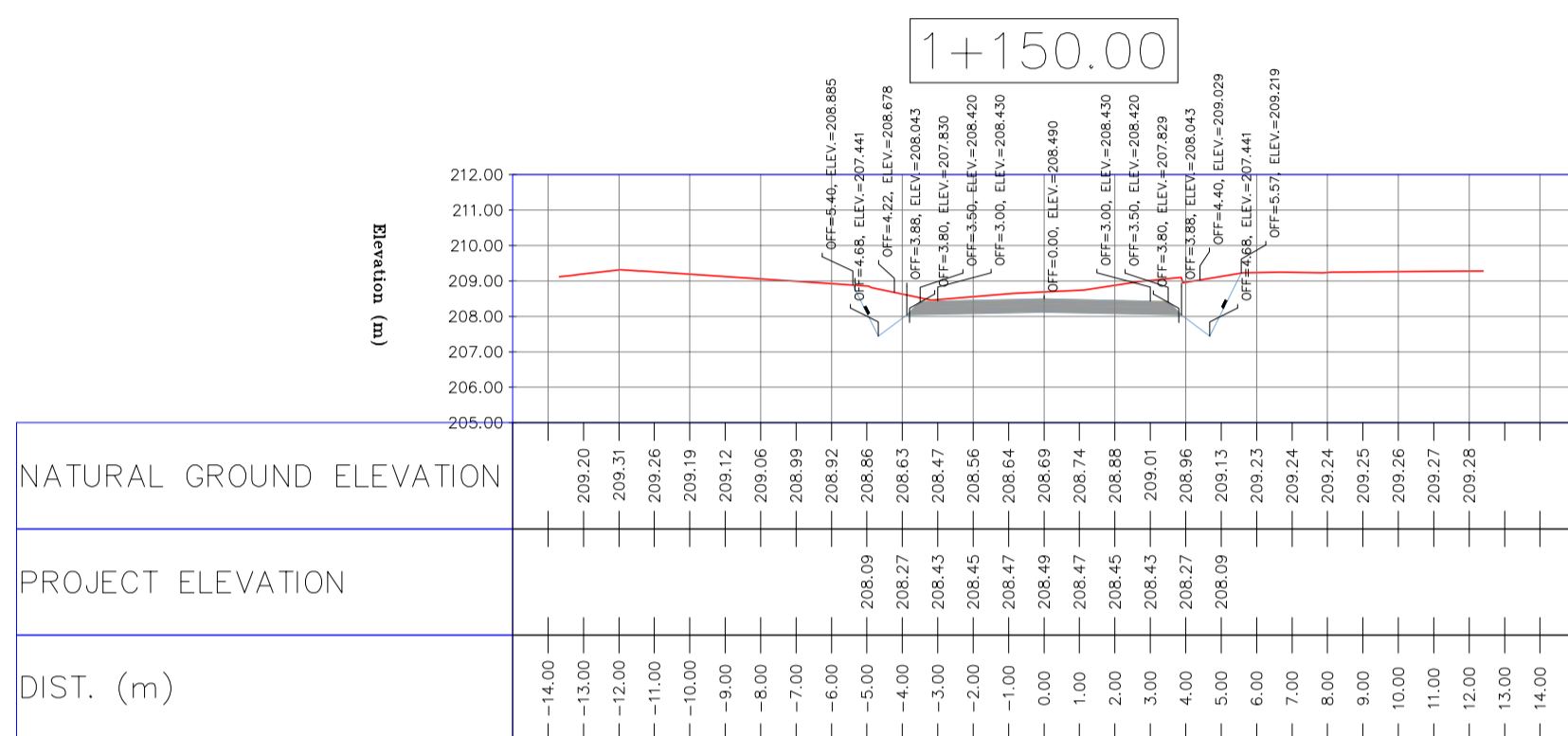
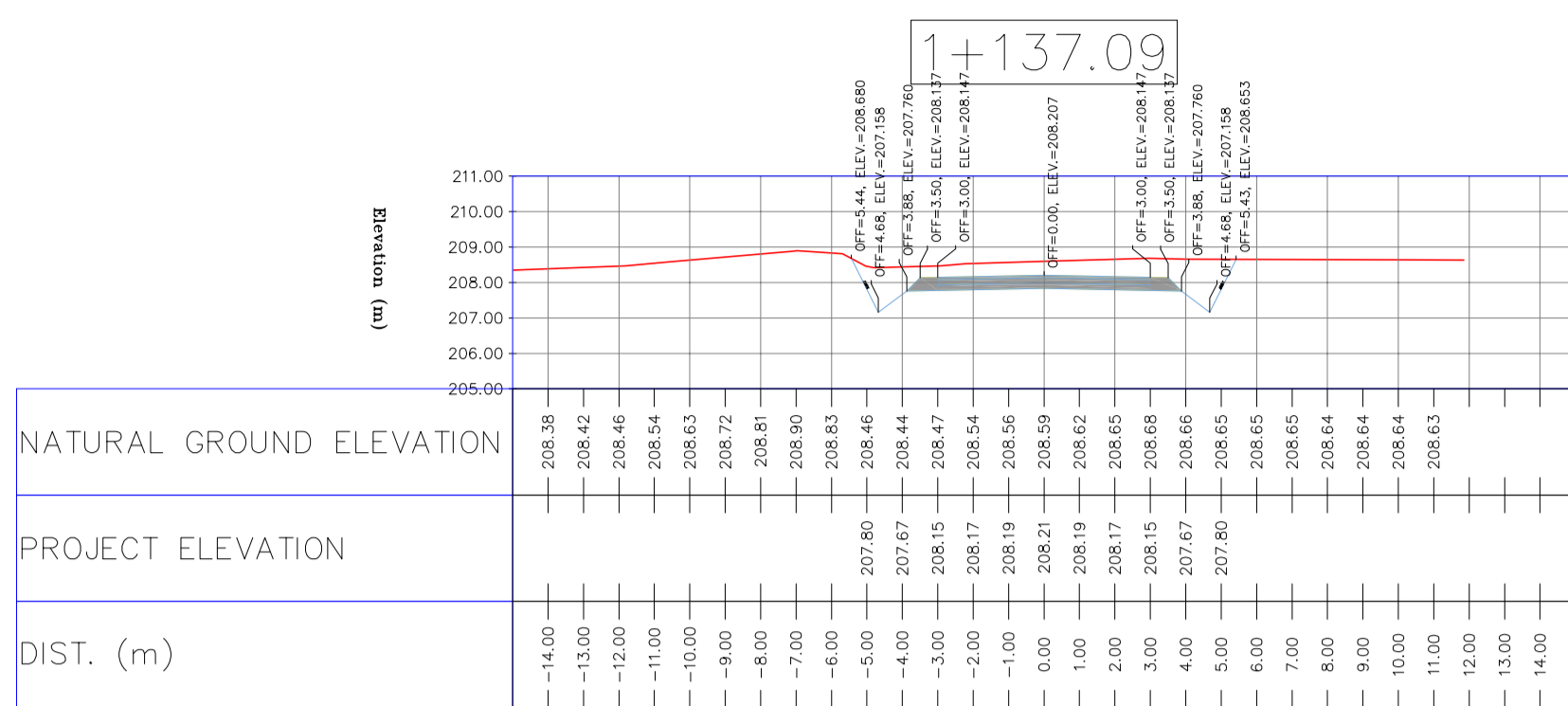
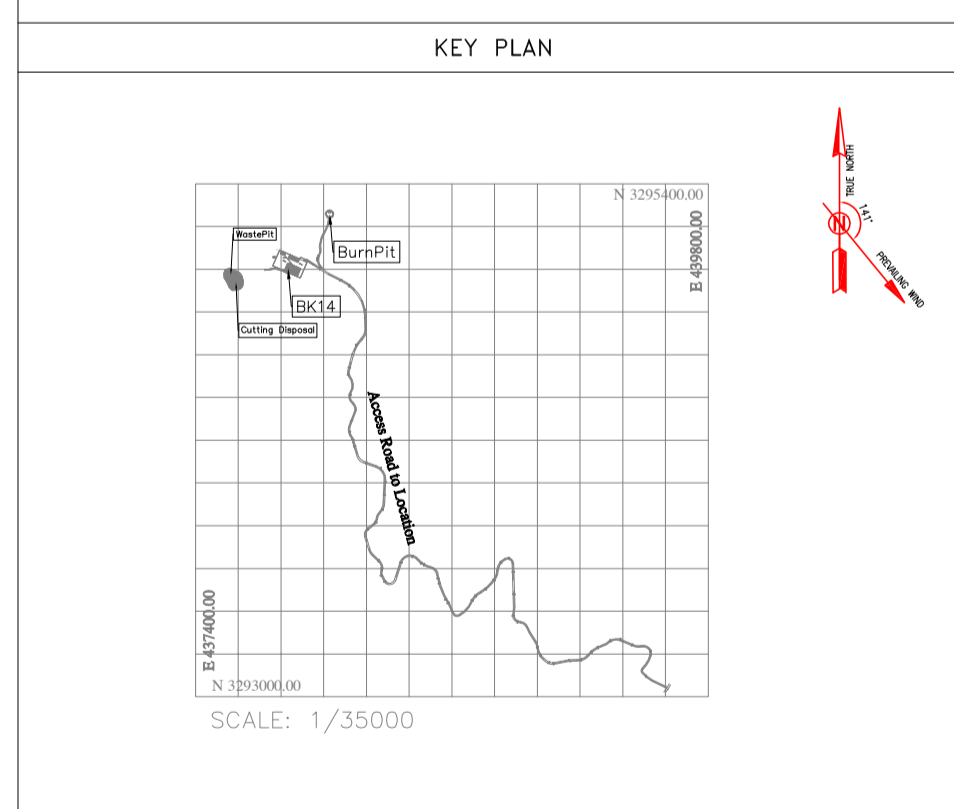


REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout -BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-0004
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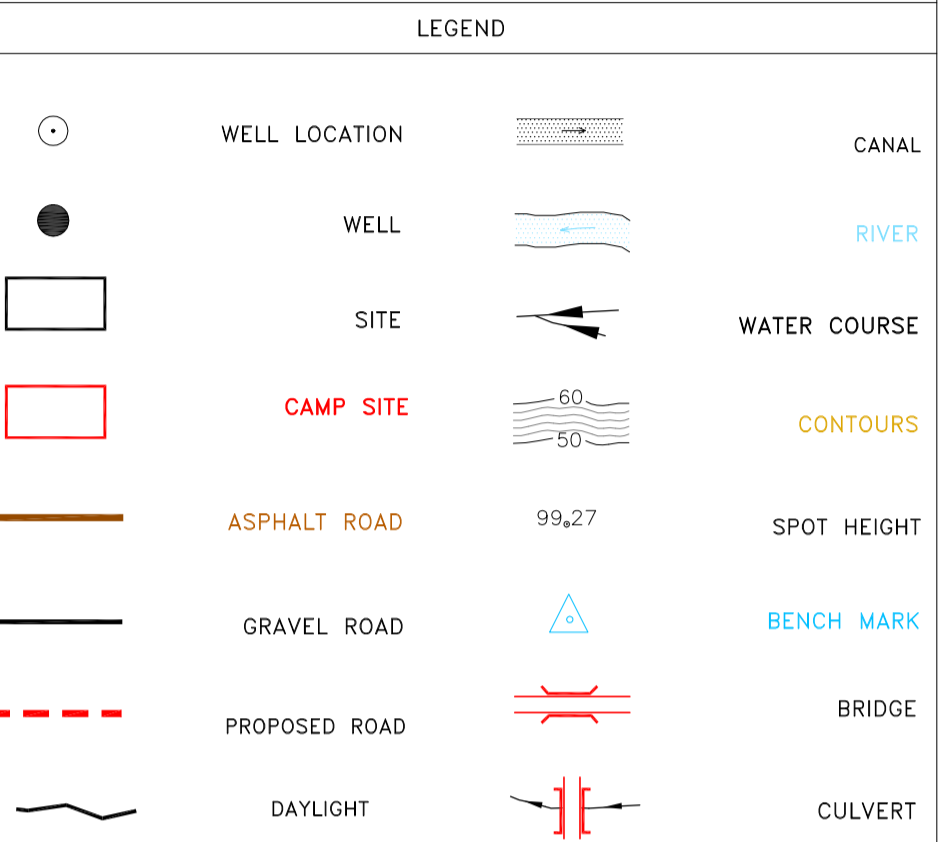
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D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY
 DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14
 SCALE: A1
 SHEET NO. 49 OF 101
 REV. D03
 BUDGET REF. 053-073-9184
 LOCATION F
 SIZE 4
 CLASS S
 SERIAL NO. 708209
 SHEET 49
 REVISION D03

TOTALLY REVISED

NOTES

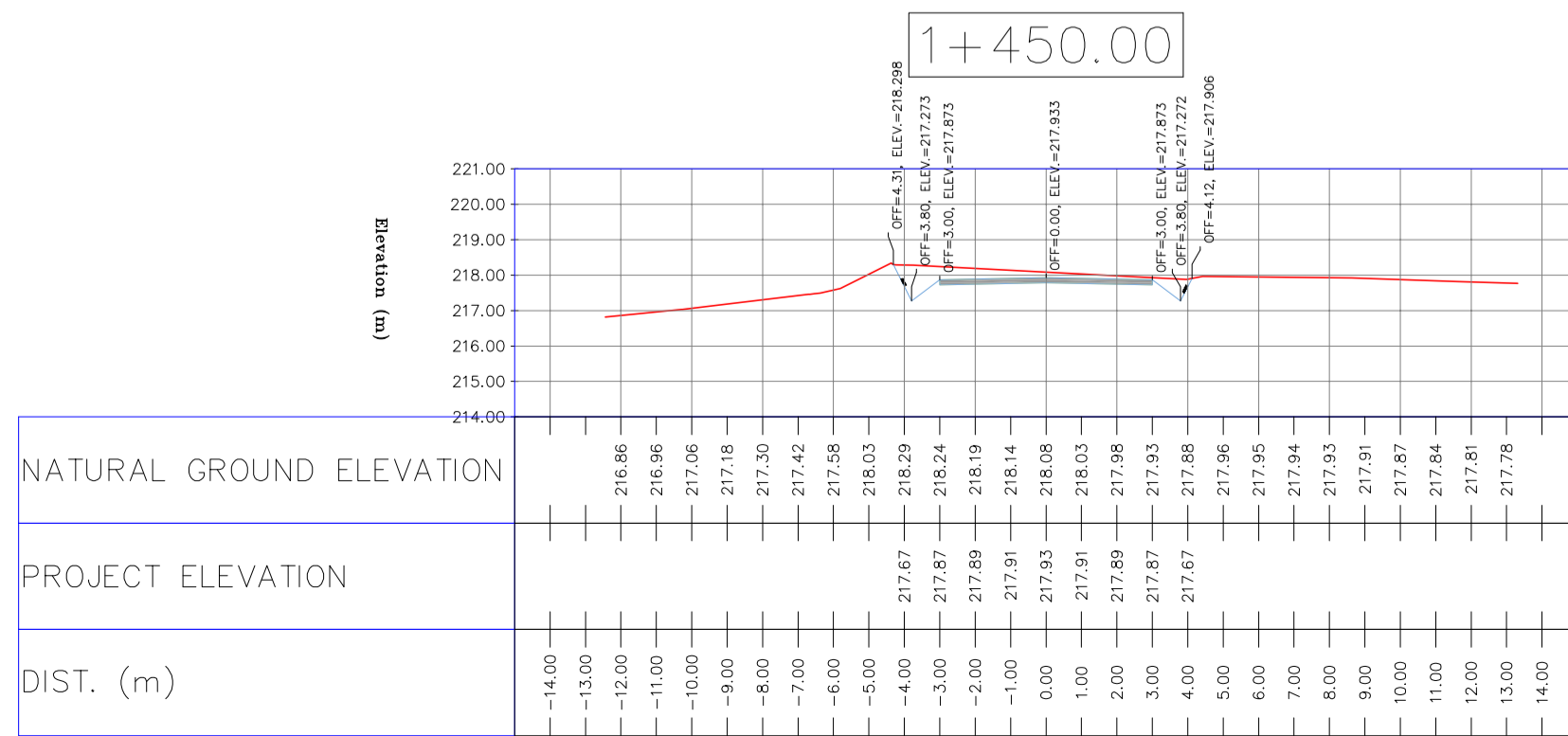
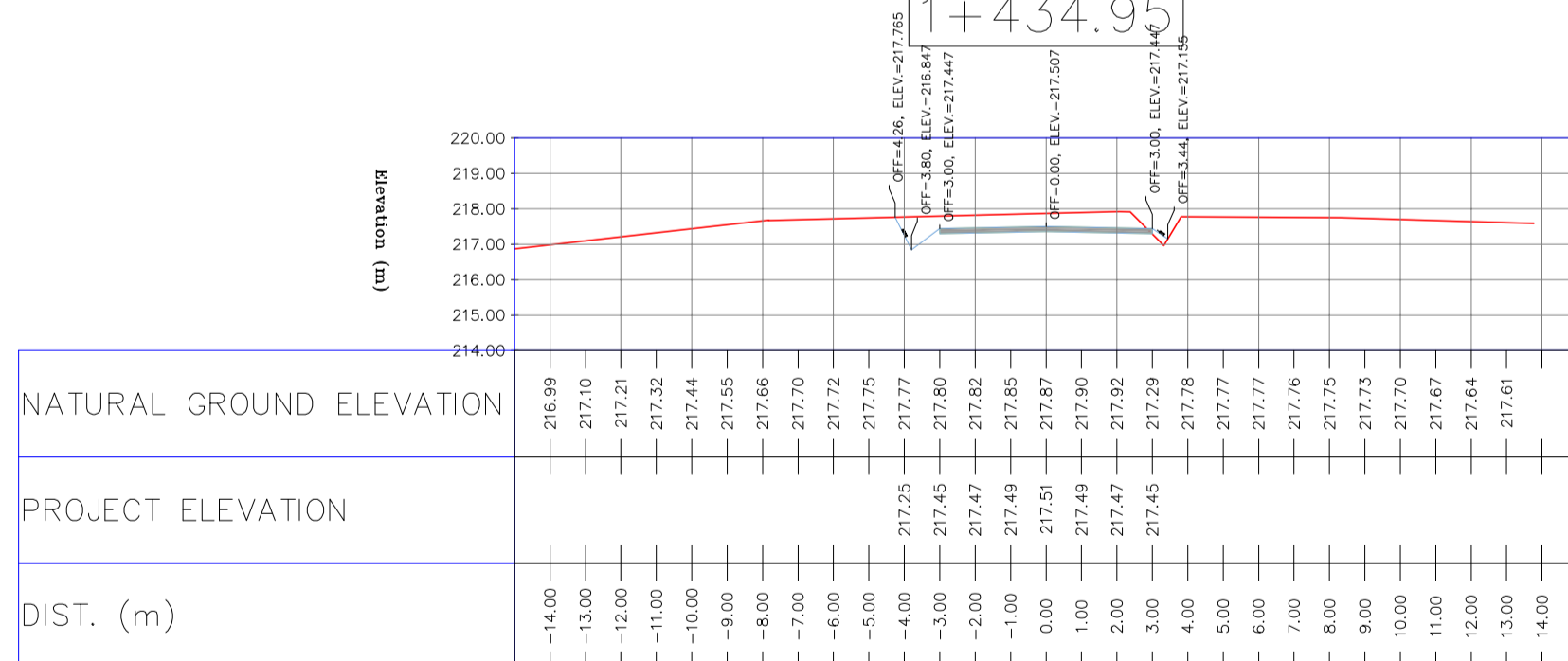
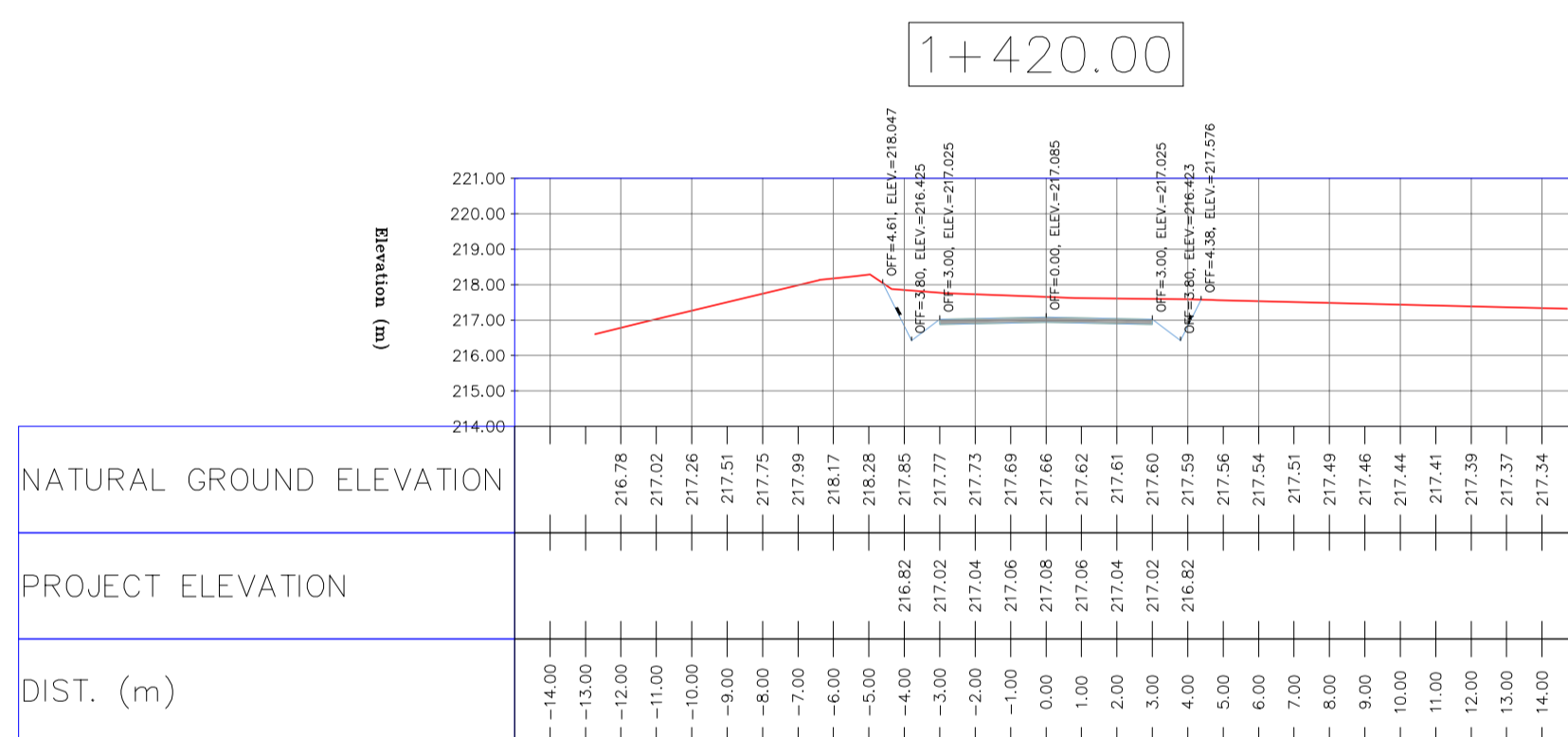
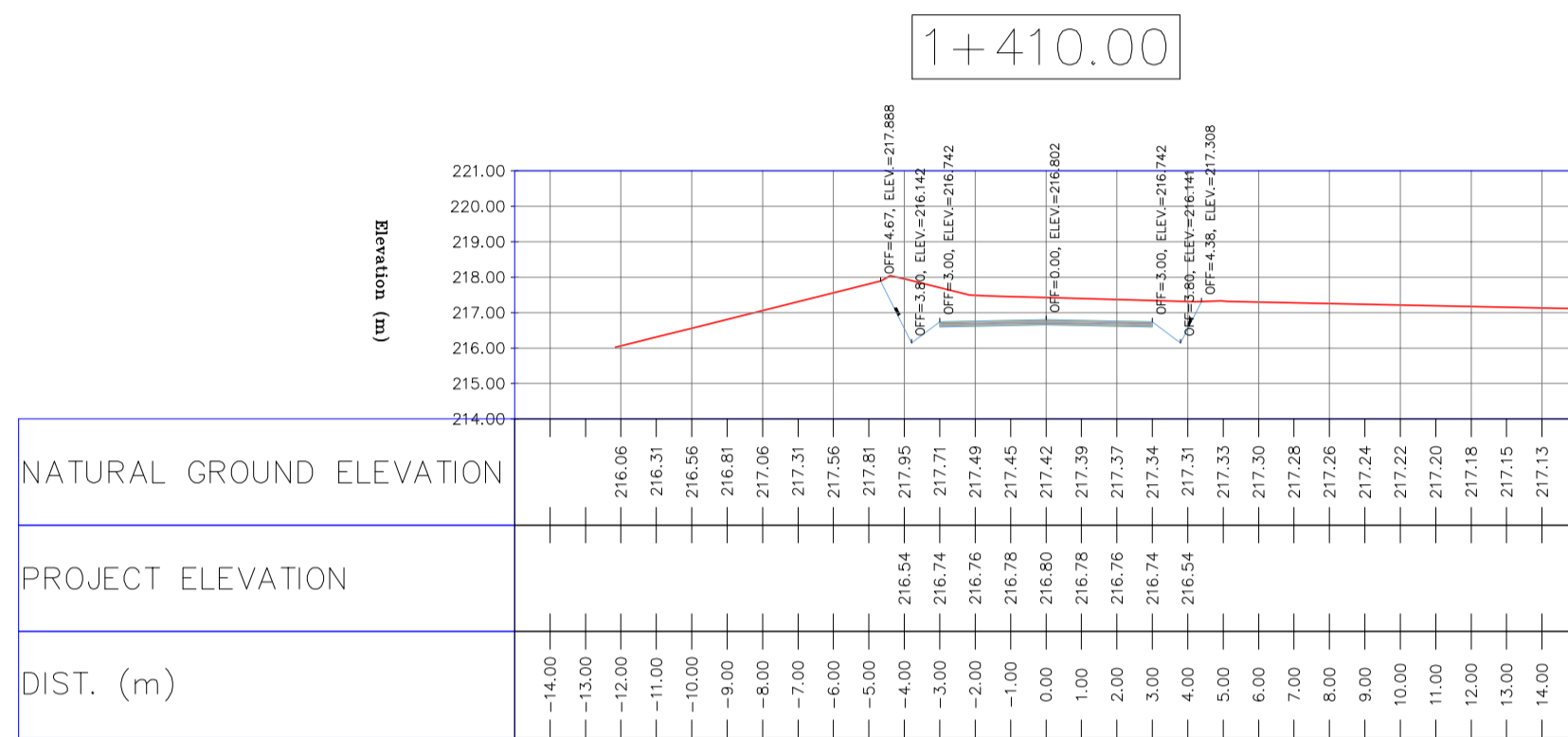
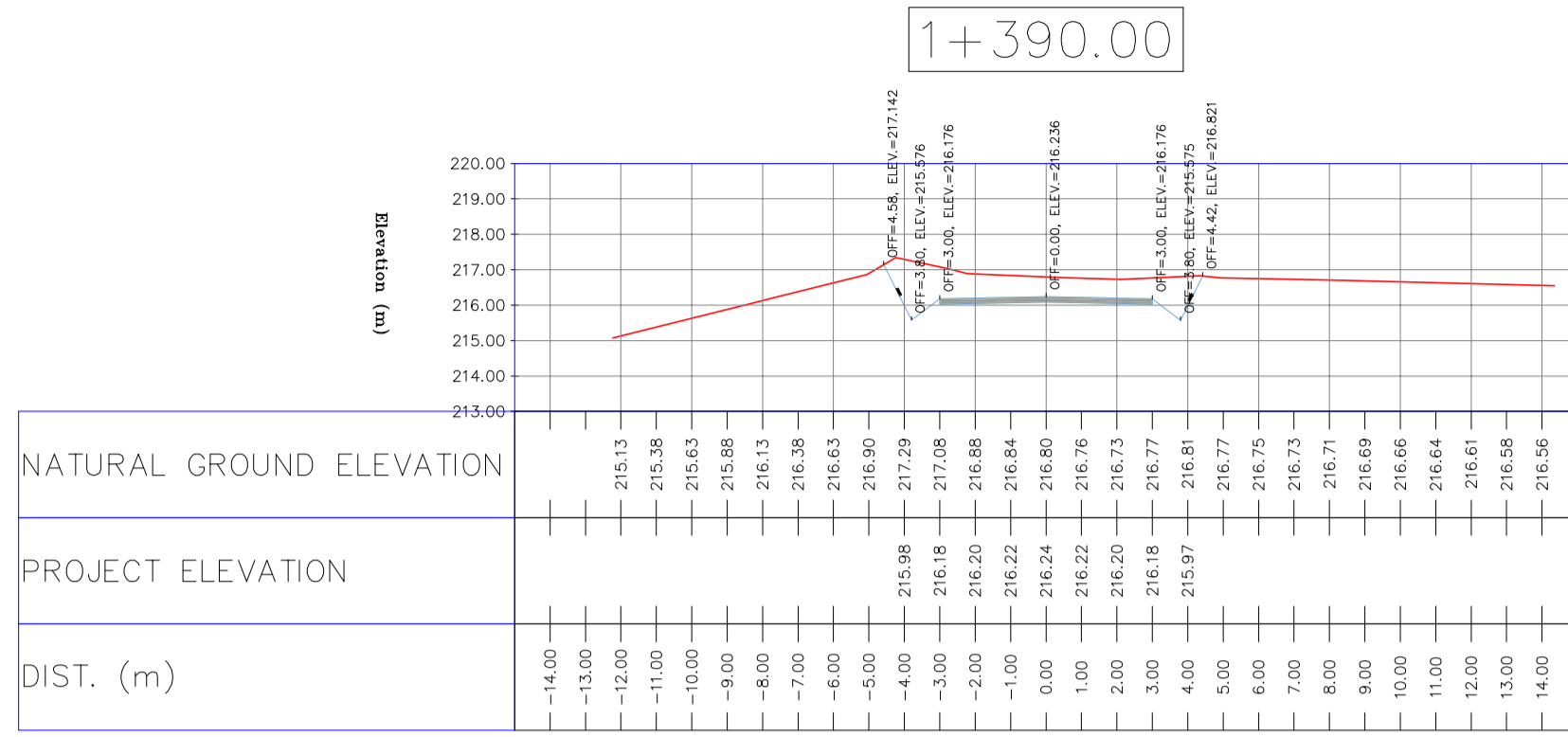
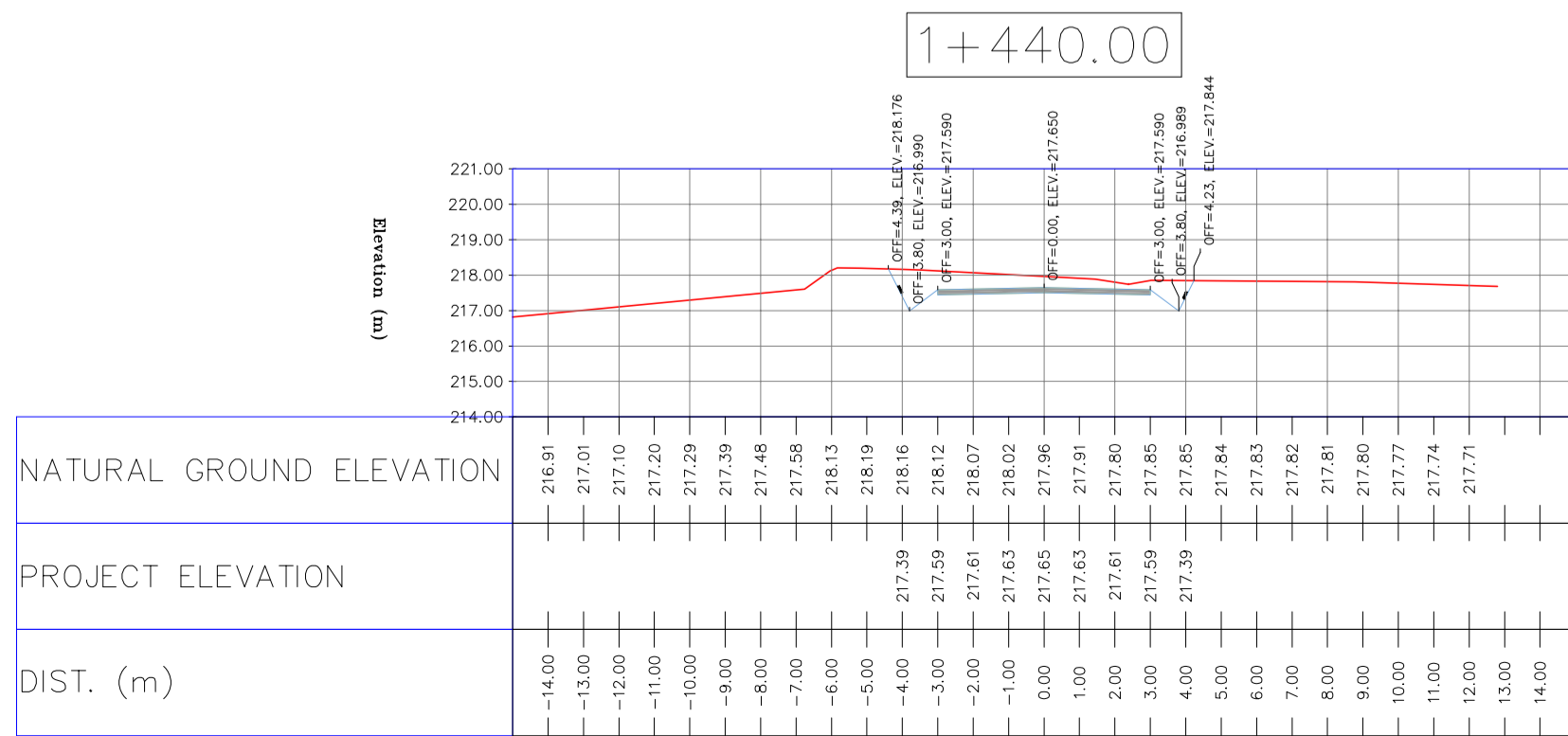
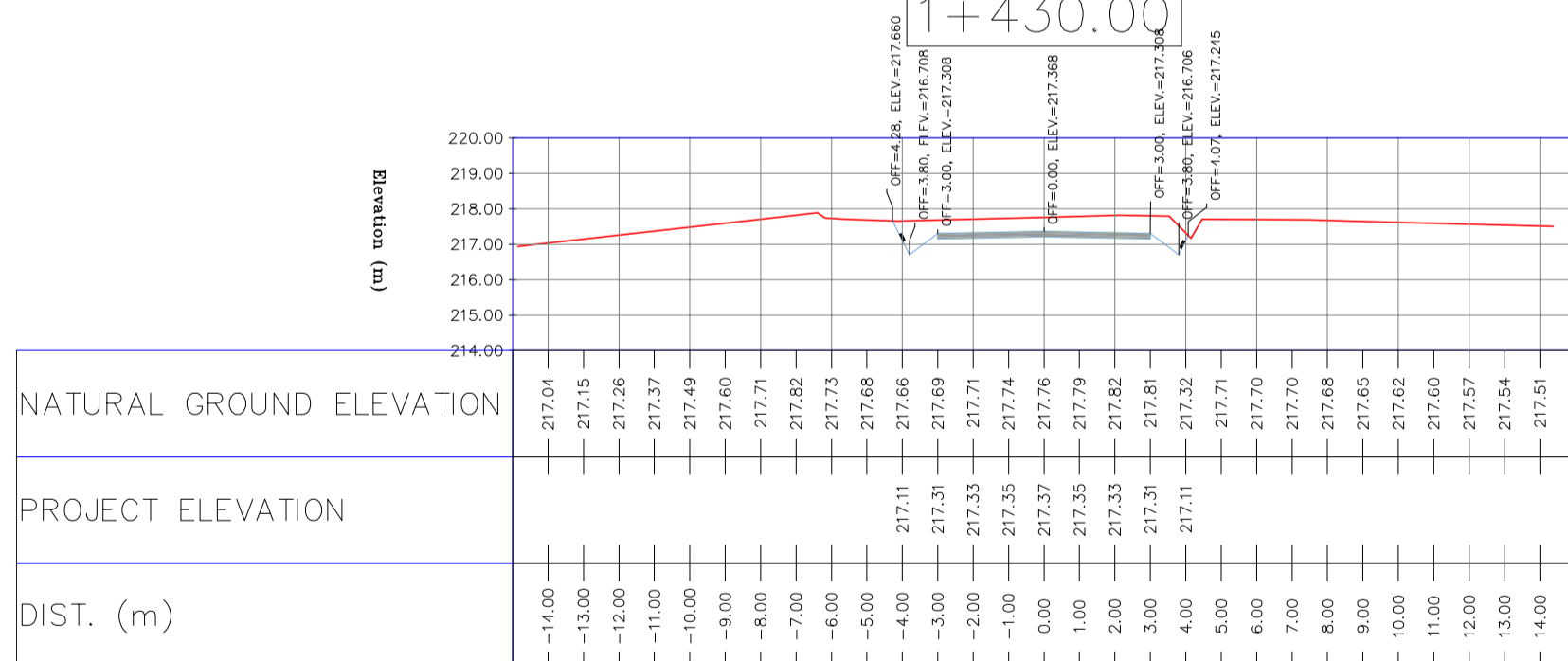
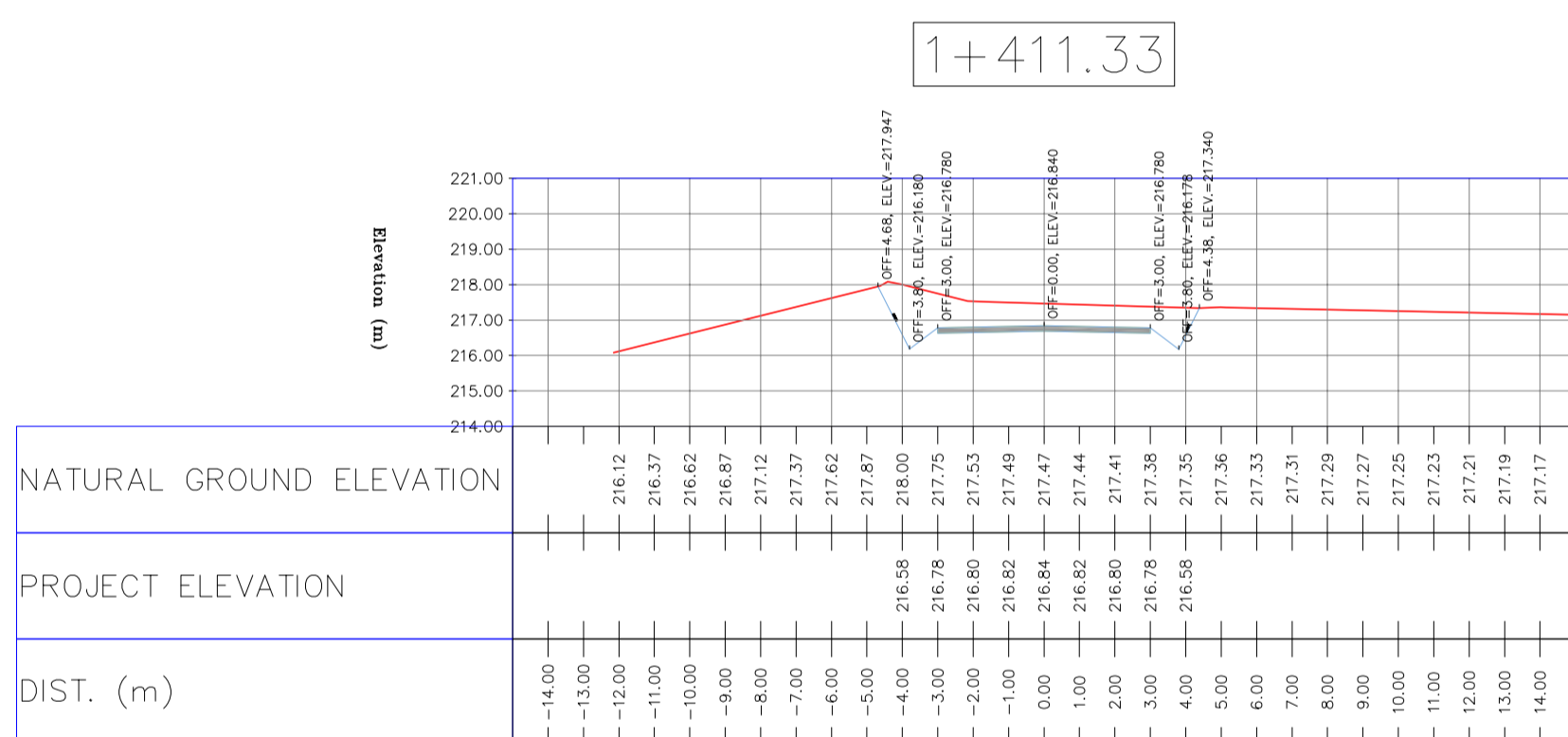
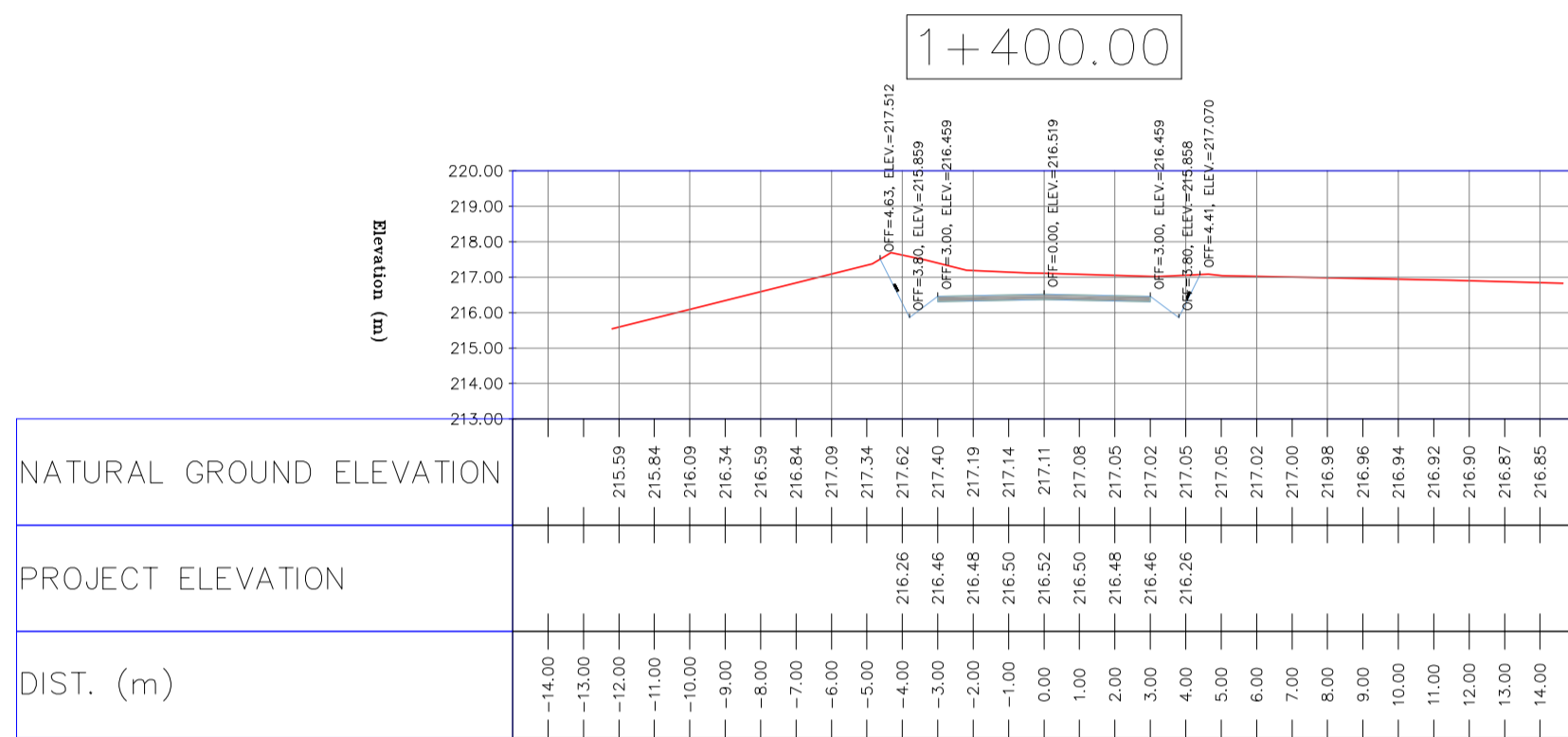
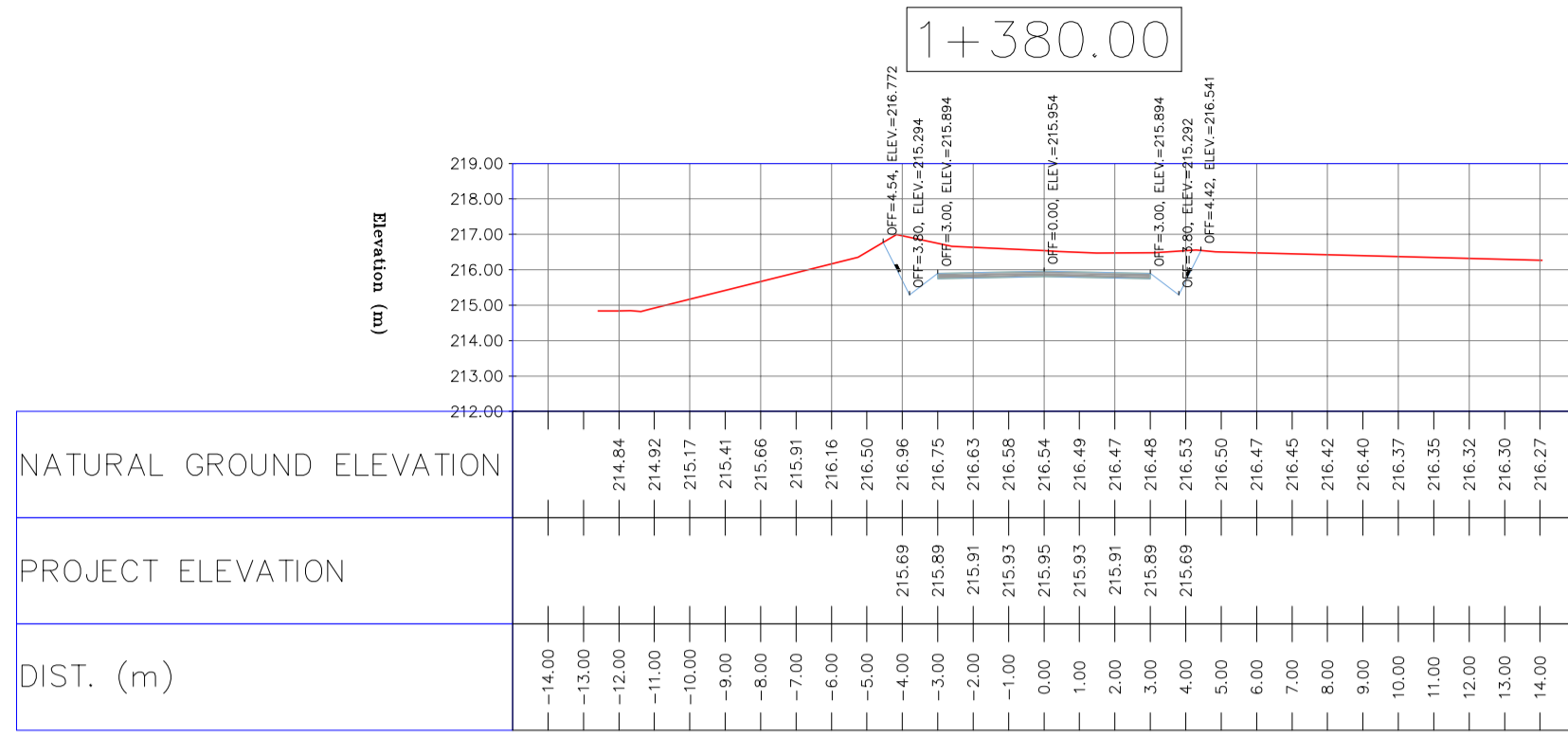
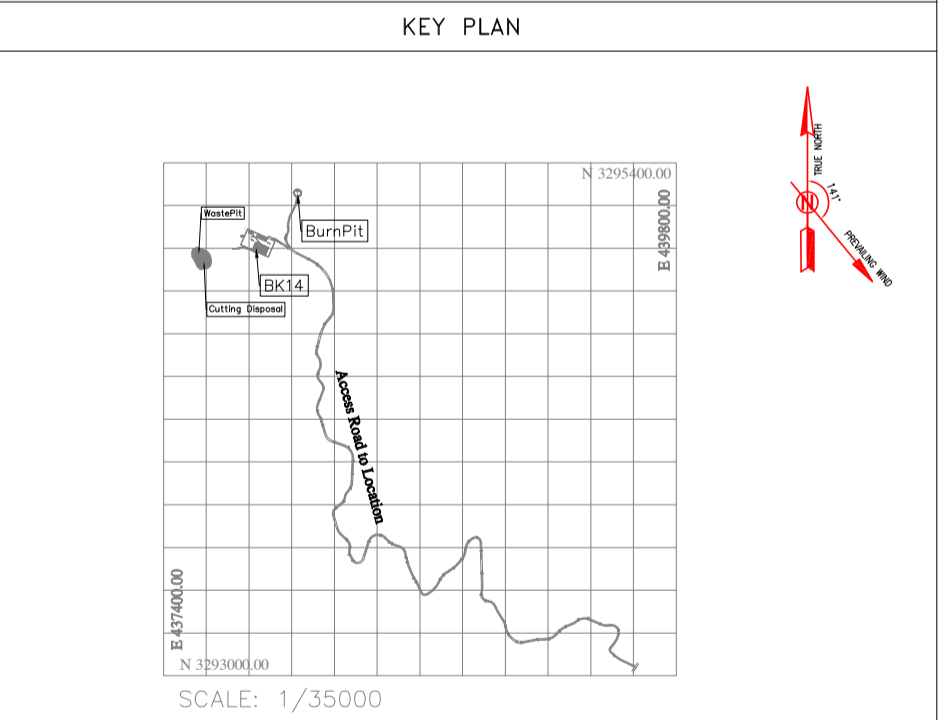
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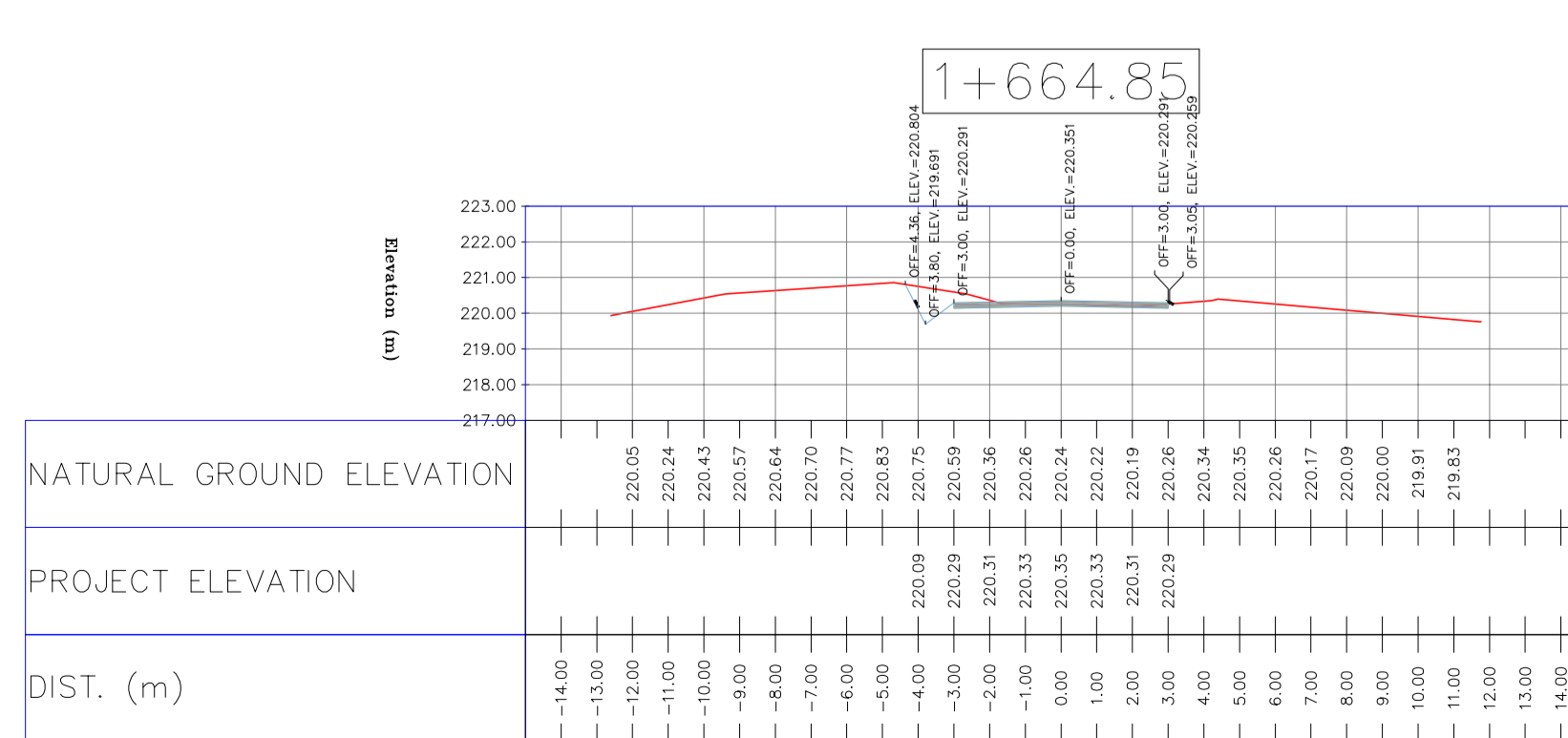
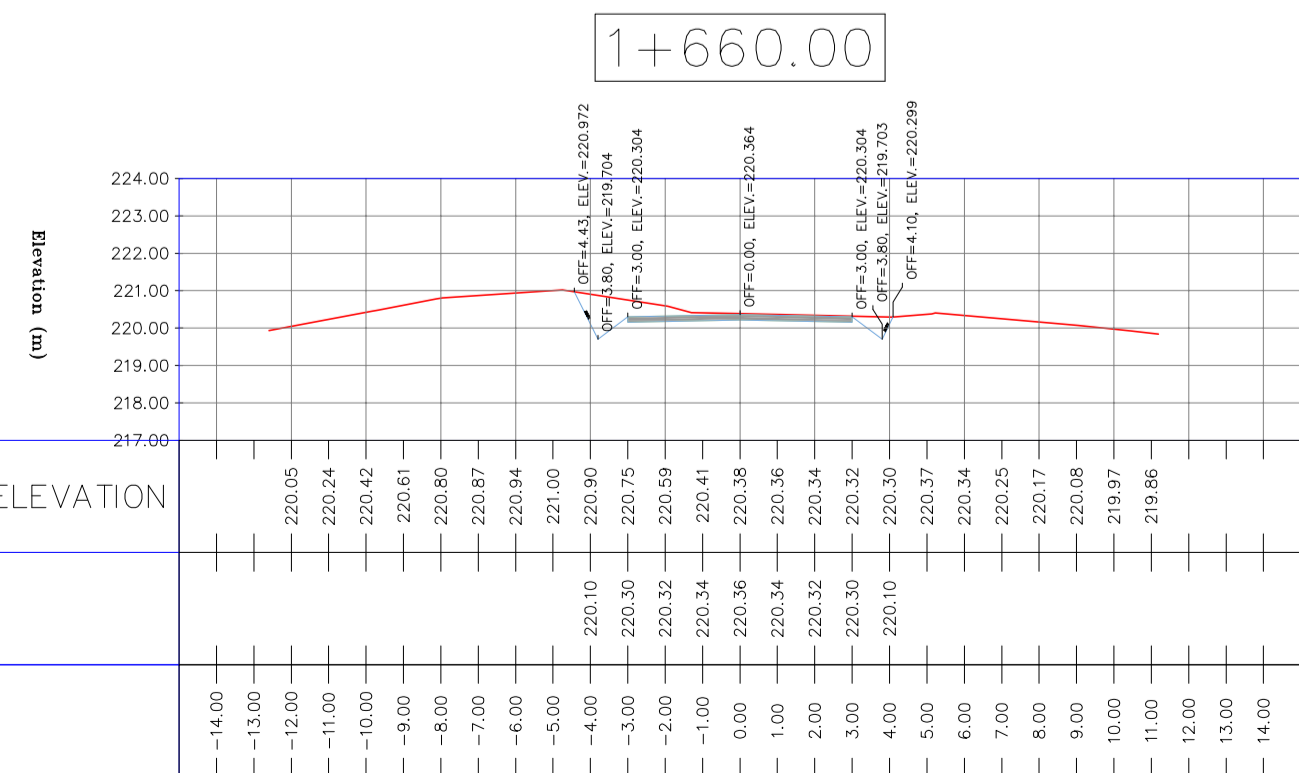
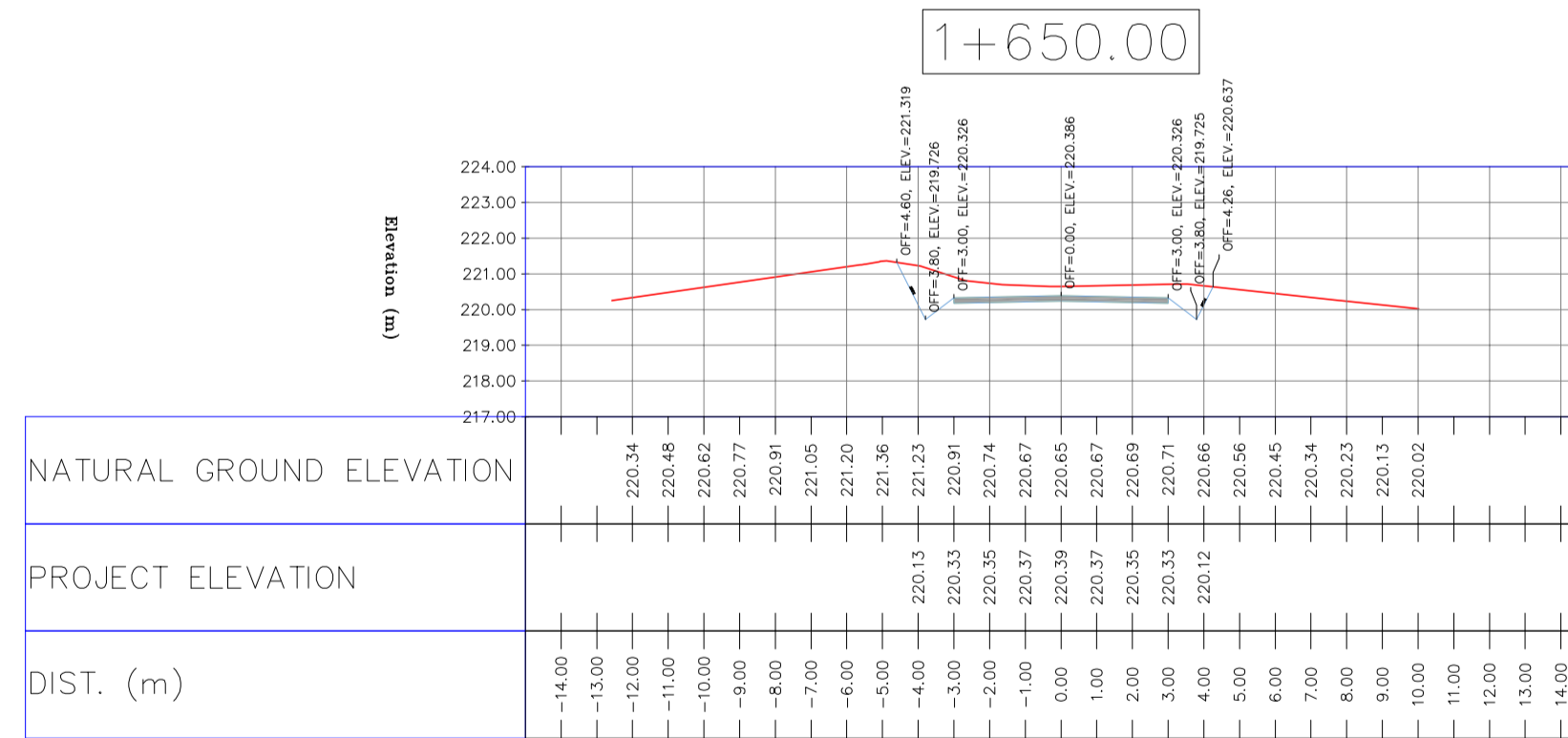
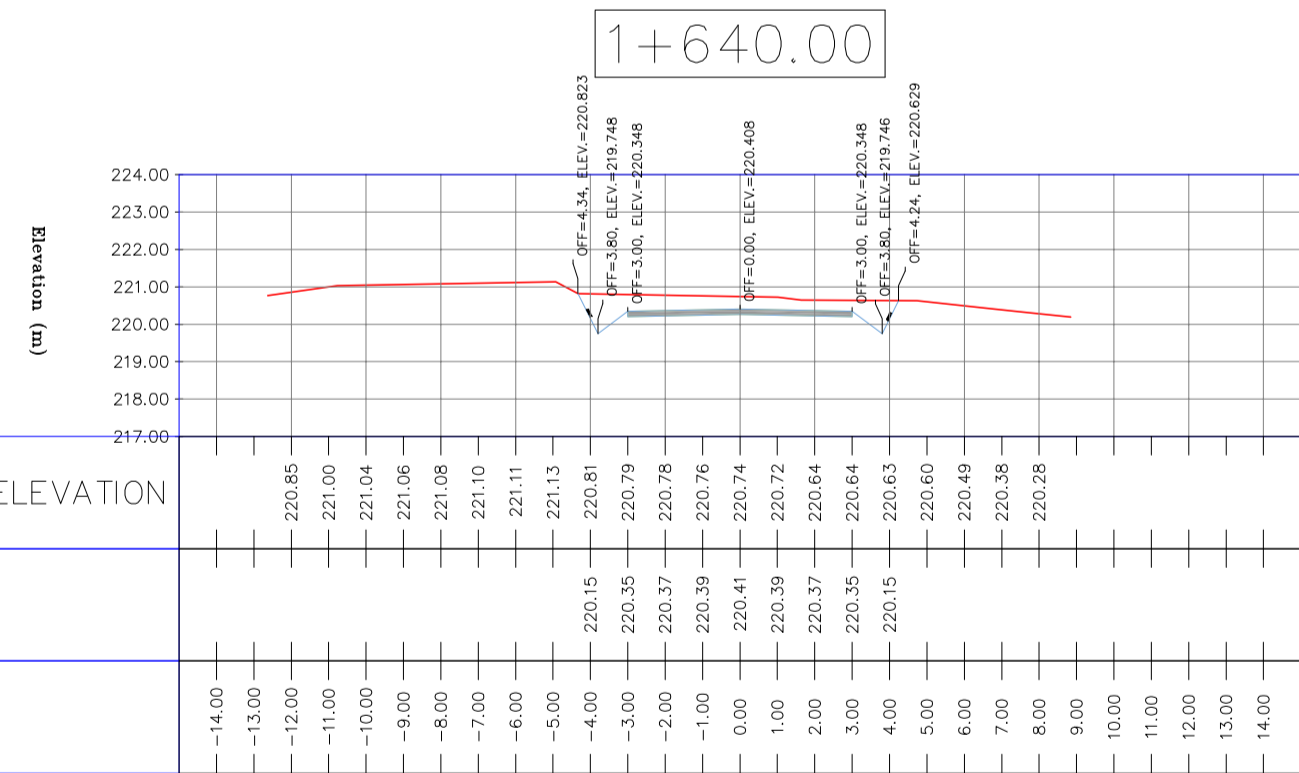
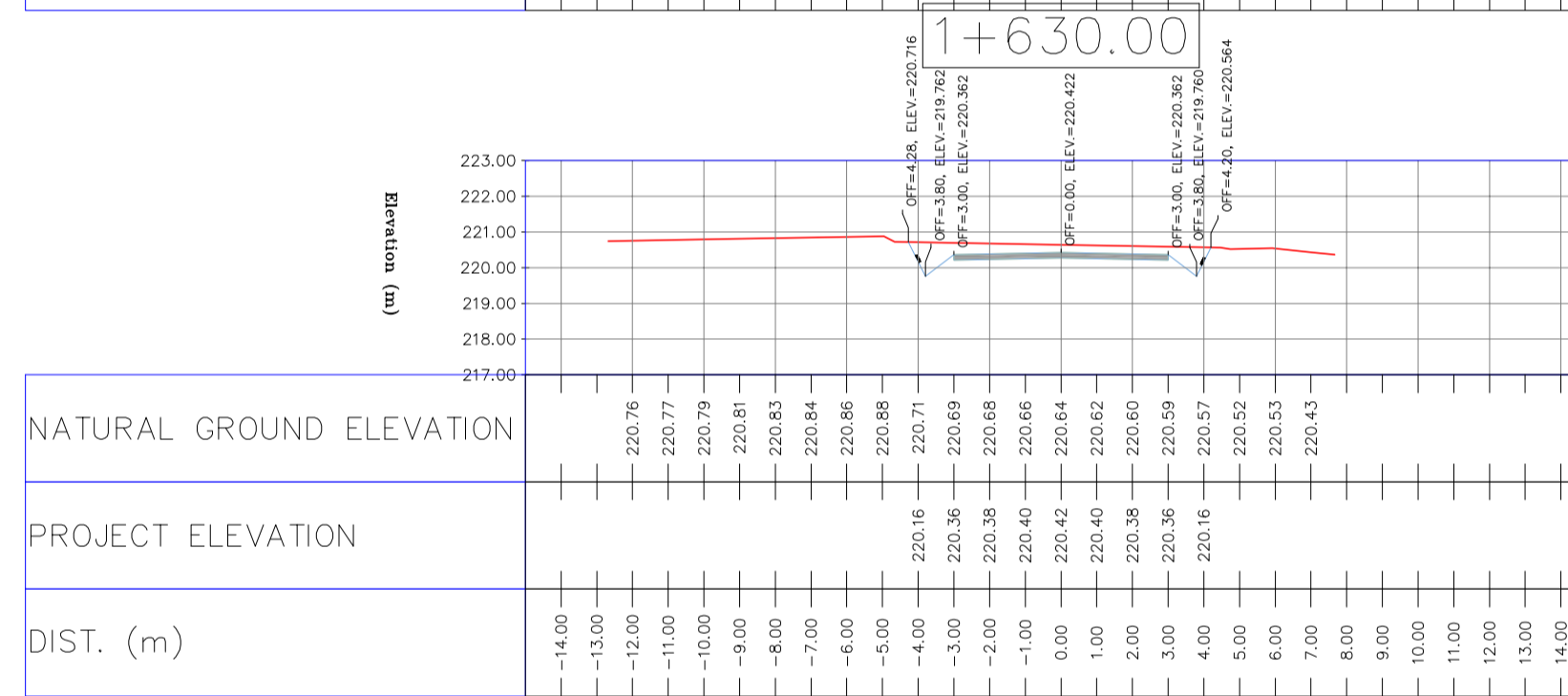
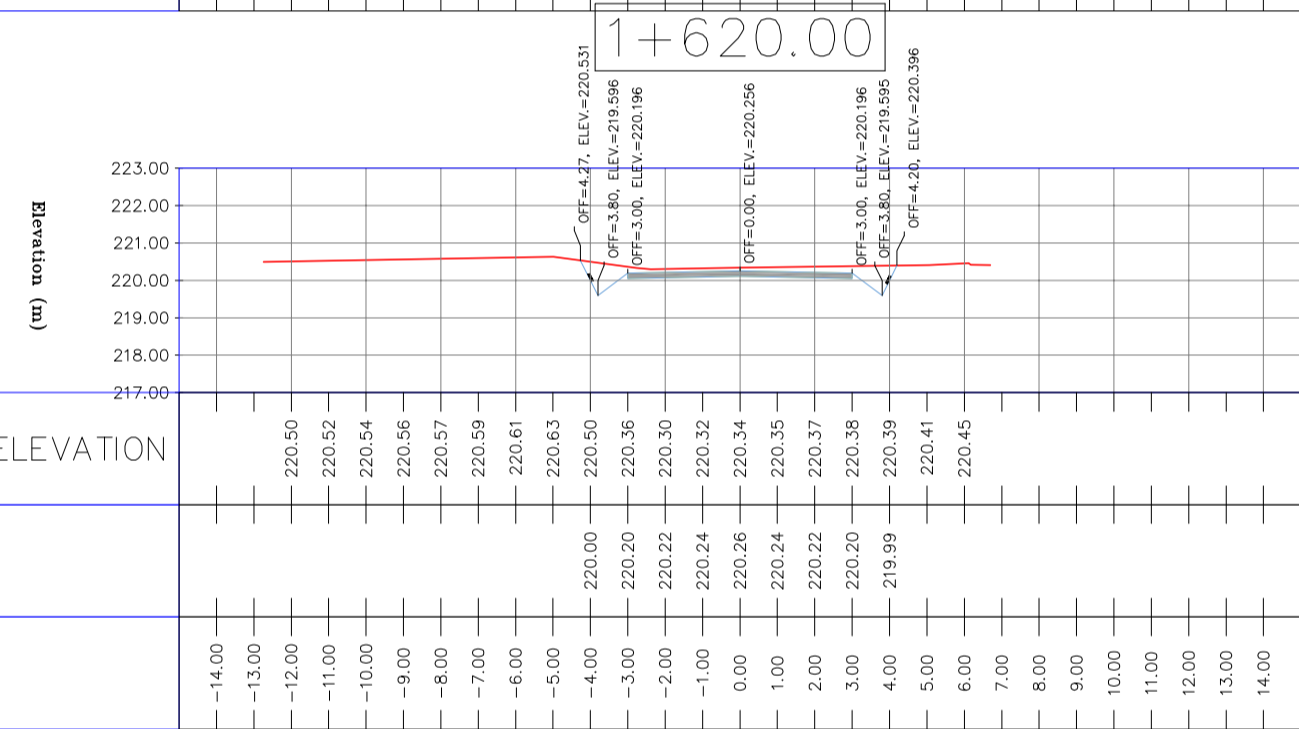
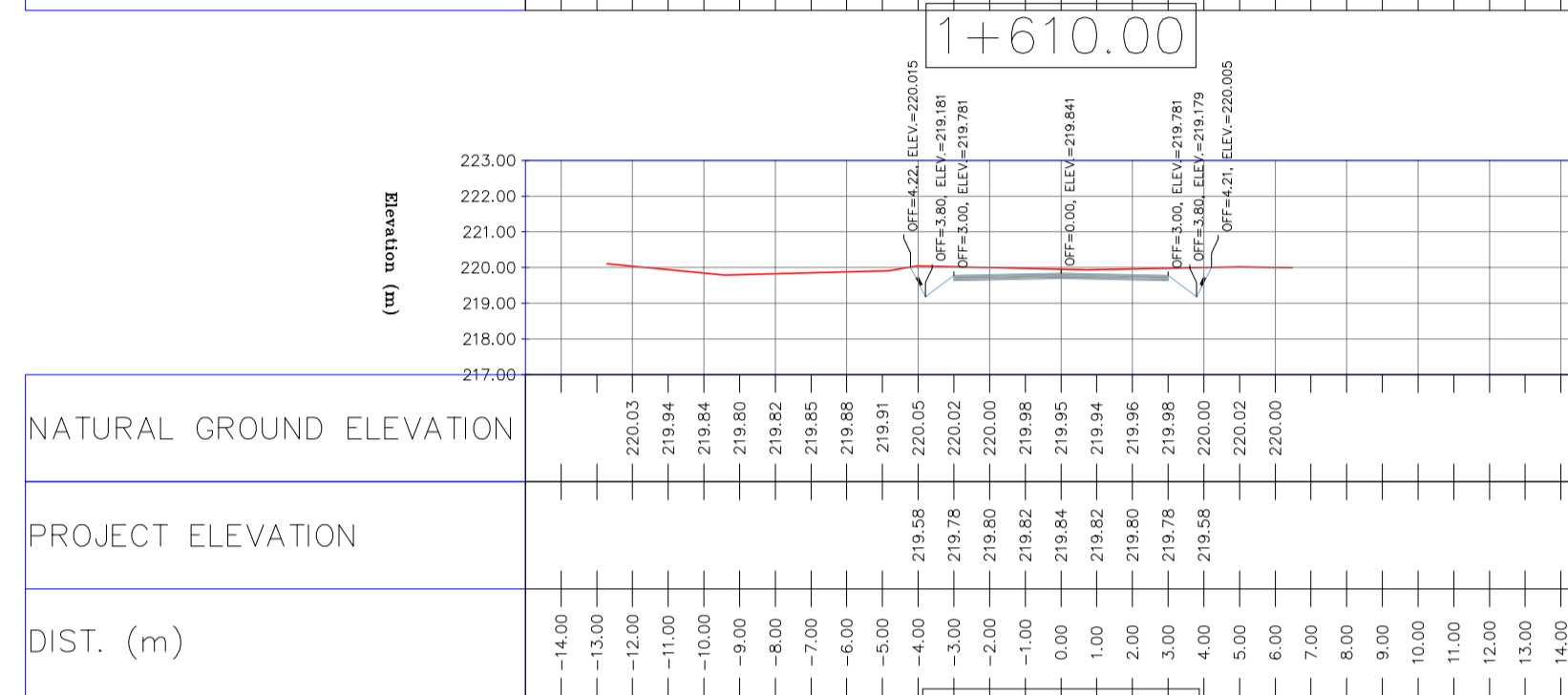
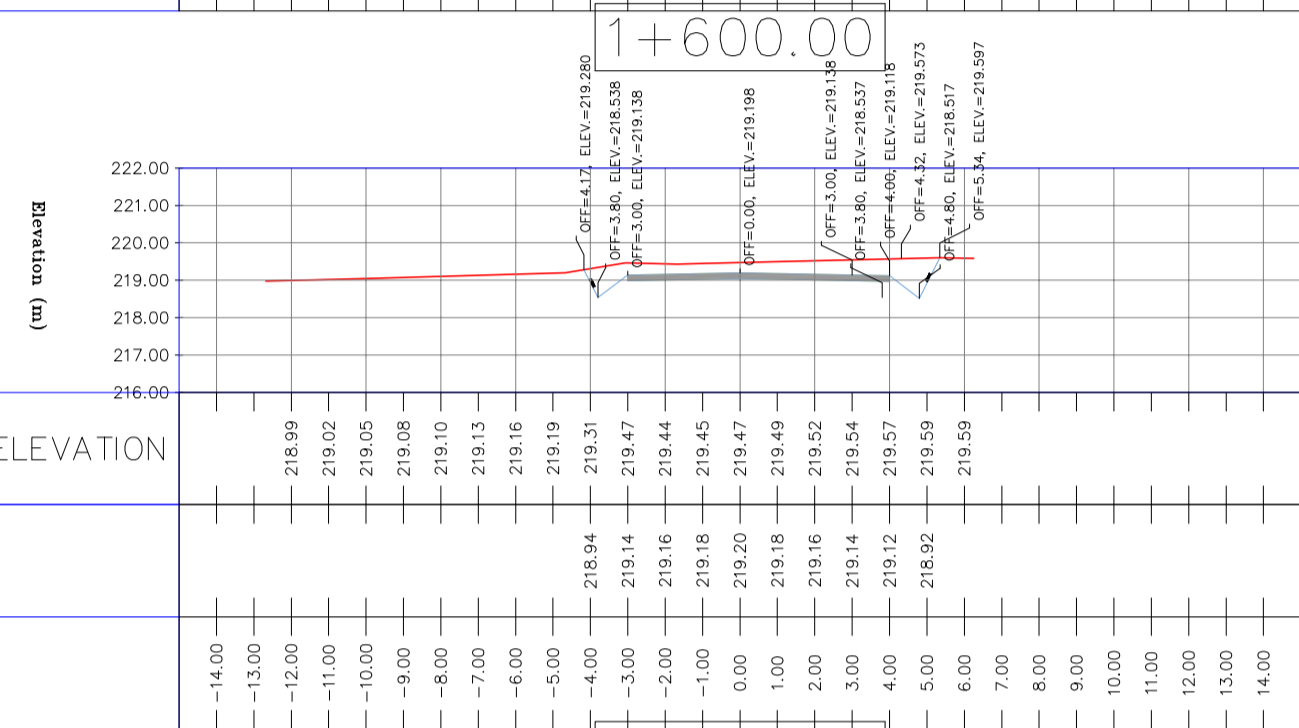
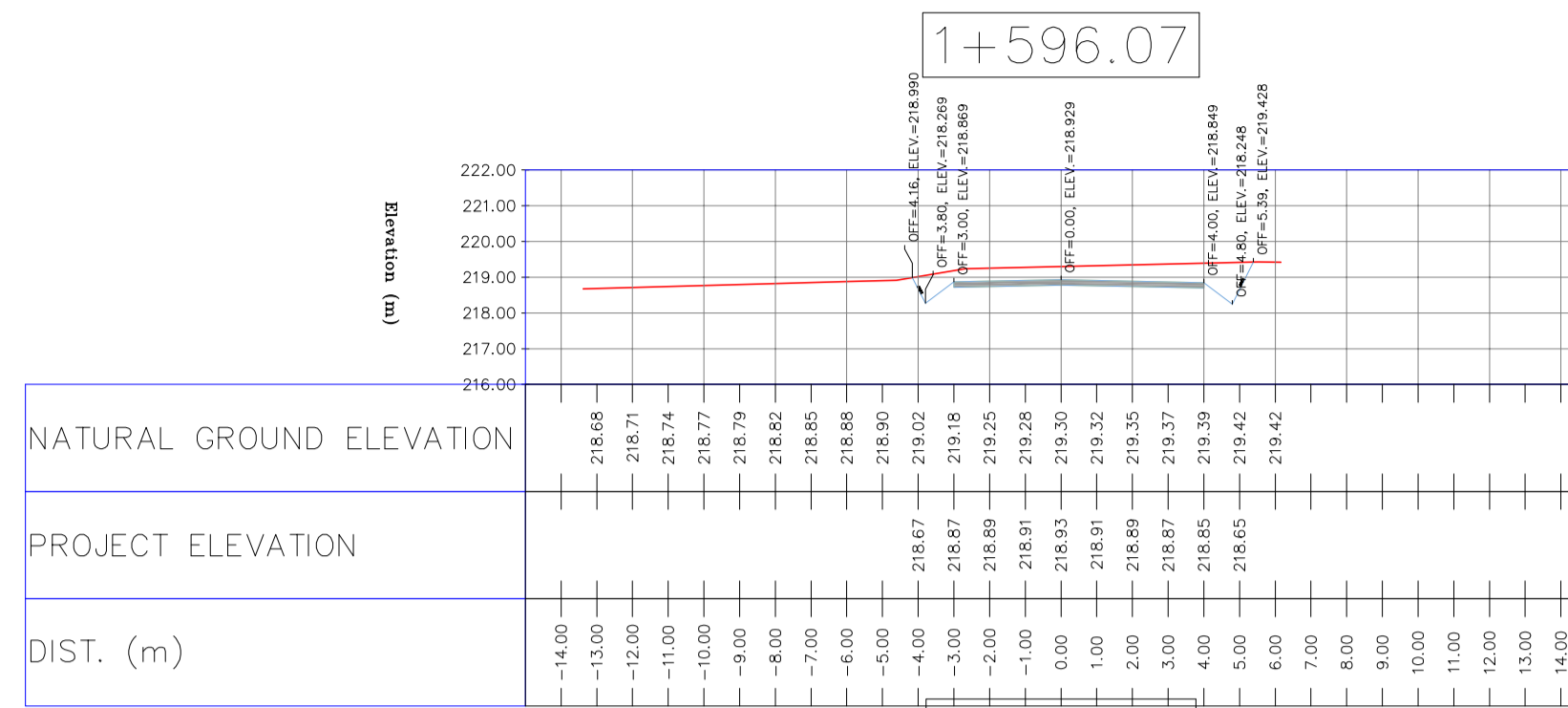
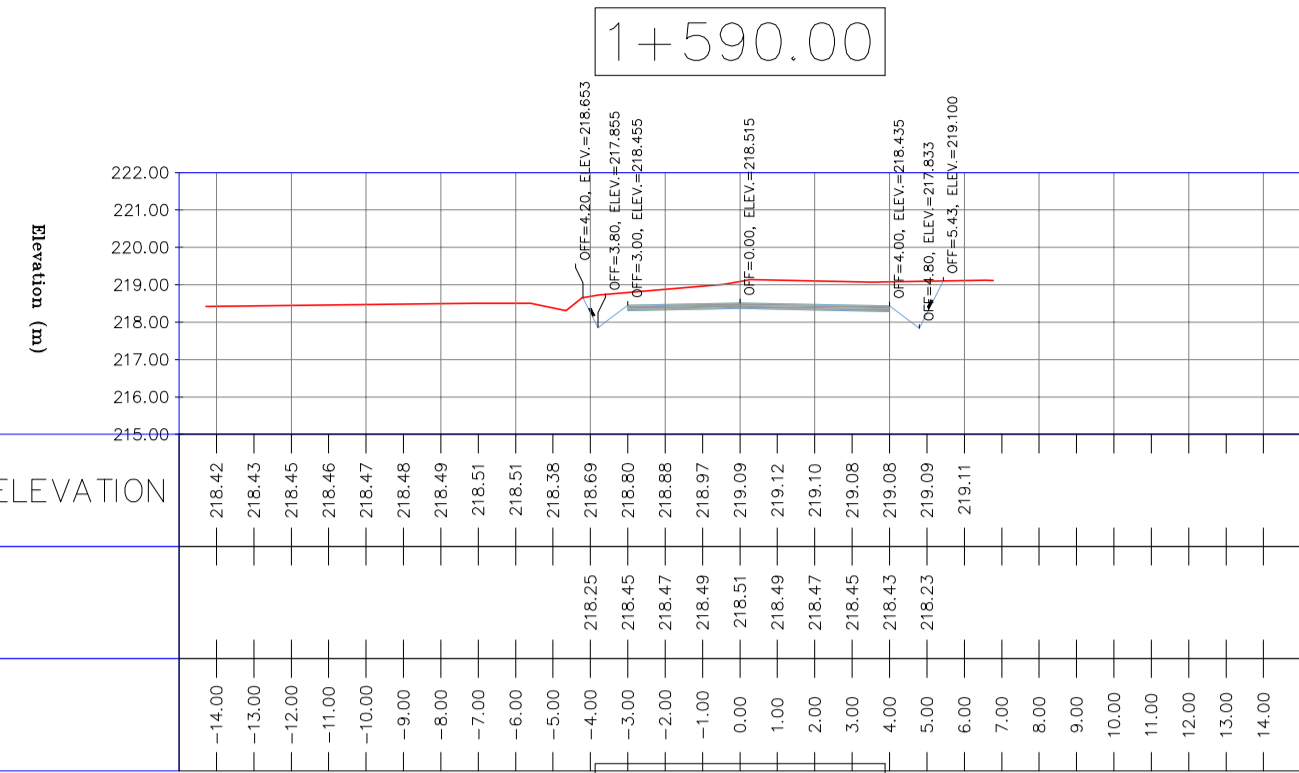
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS						REV. APPR.					
PROJECT NO.:			971020								
EPC CONTRACTOR:											
EPD/EPC CONTRACTOR(GC):											
DRAWING TITLE:			CIVIL AND STRUCTURAL DRAWINGS - BK14								
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED											
APPROVED FOR CONSTRUCTION		BY:		DATE:							
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	52 OF 101	D03	053-073-9184	F	4	S	708209	52	D03

TOTALLY REVISED



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LEGEND

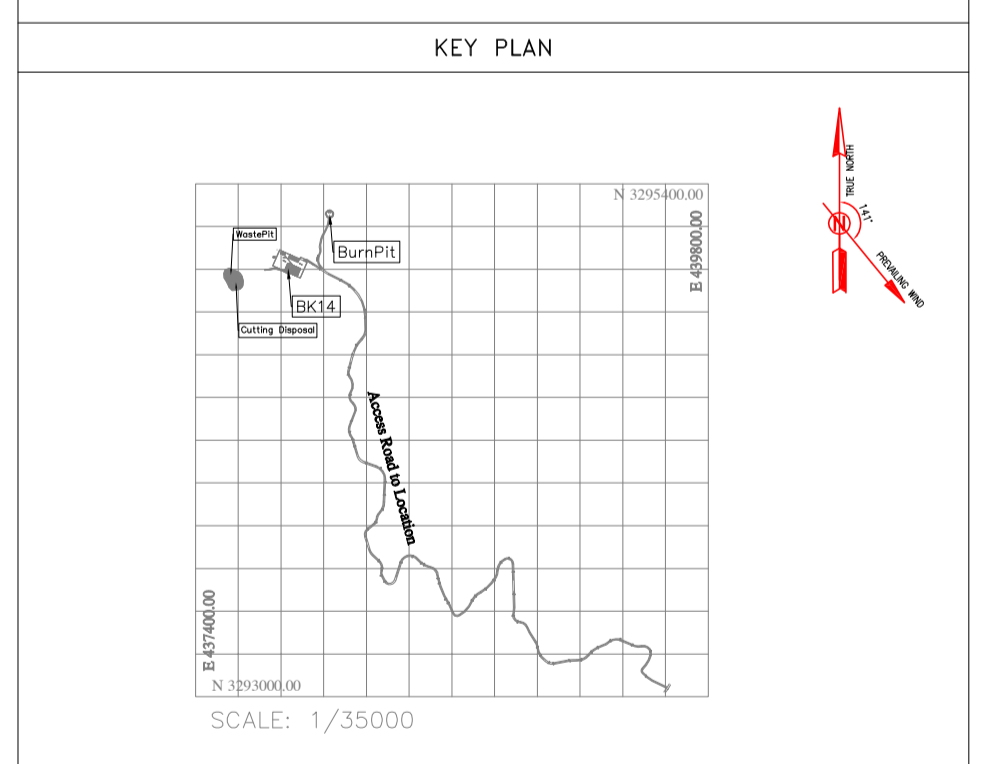
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	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT=	POINT
PVI=	POINT OF VERTICAL INTERSECTION
LVC=	LENGTH OF VERTICAL CURVE
BVCS=	BEGIN OF VERTICAL CURVE STATION
BVCE=	BEGIN OF VERTICAL CURVE ELEVATION
EVCS=	END OF VERTICAL CURVE STATION
EVCE=	END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	REVISION
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHESSI	***				
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***				
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***				
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***				

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY
 DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

APPROVED FOR CONSTRUCTION

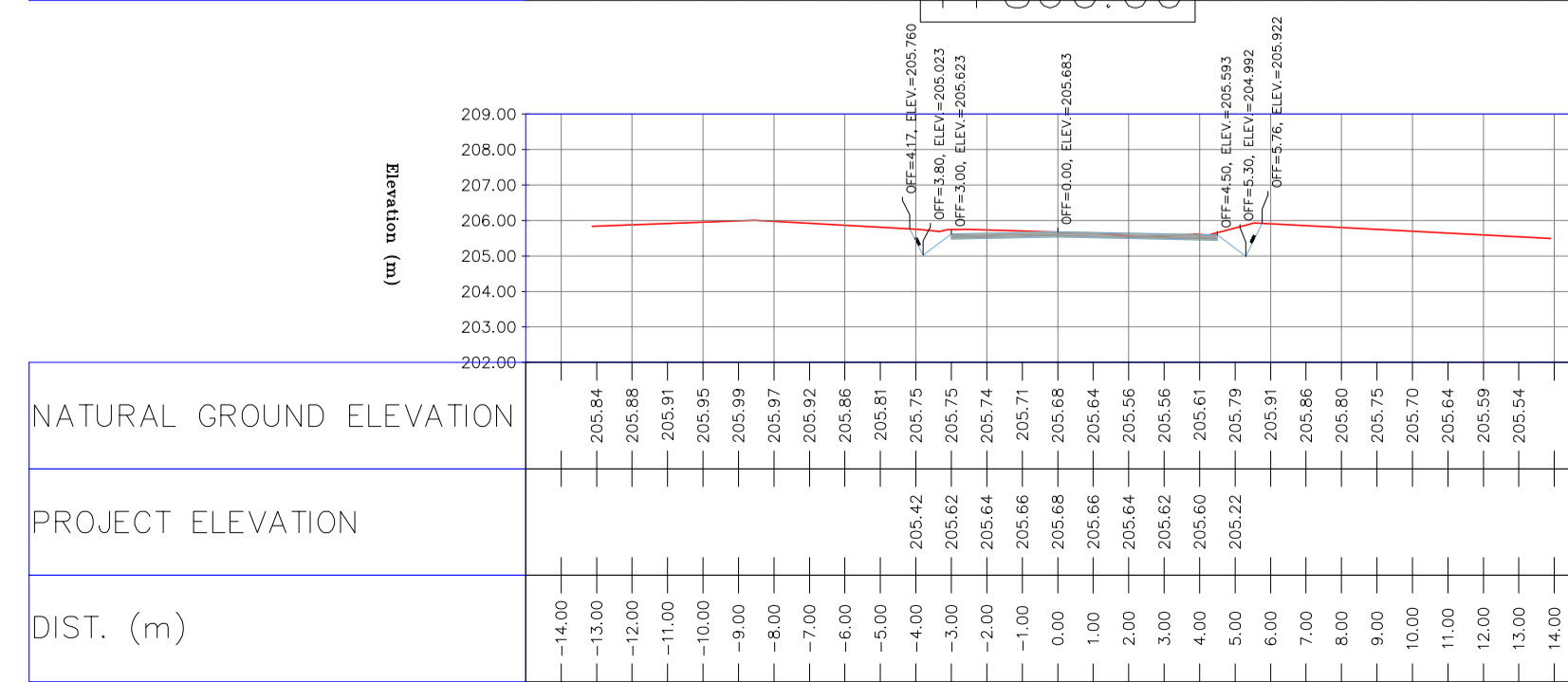
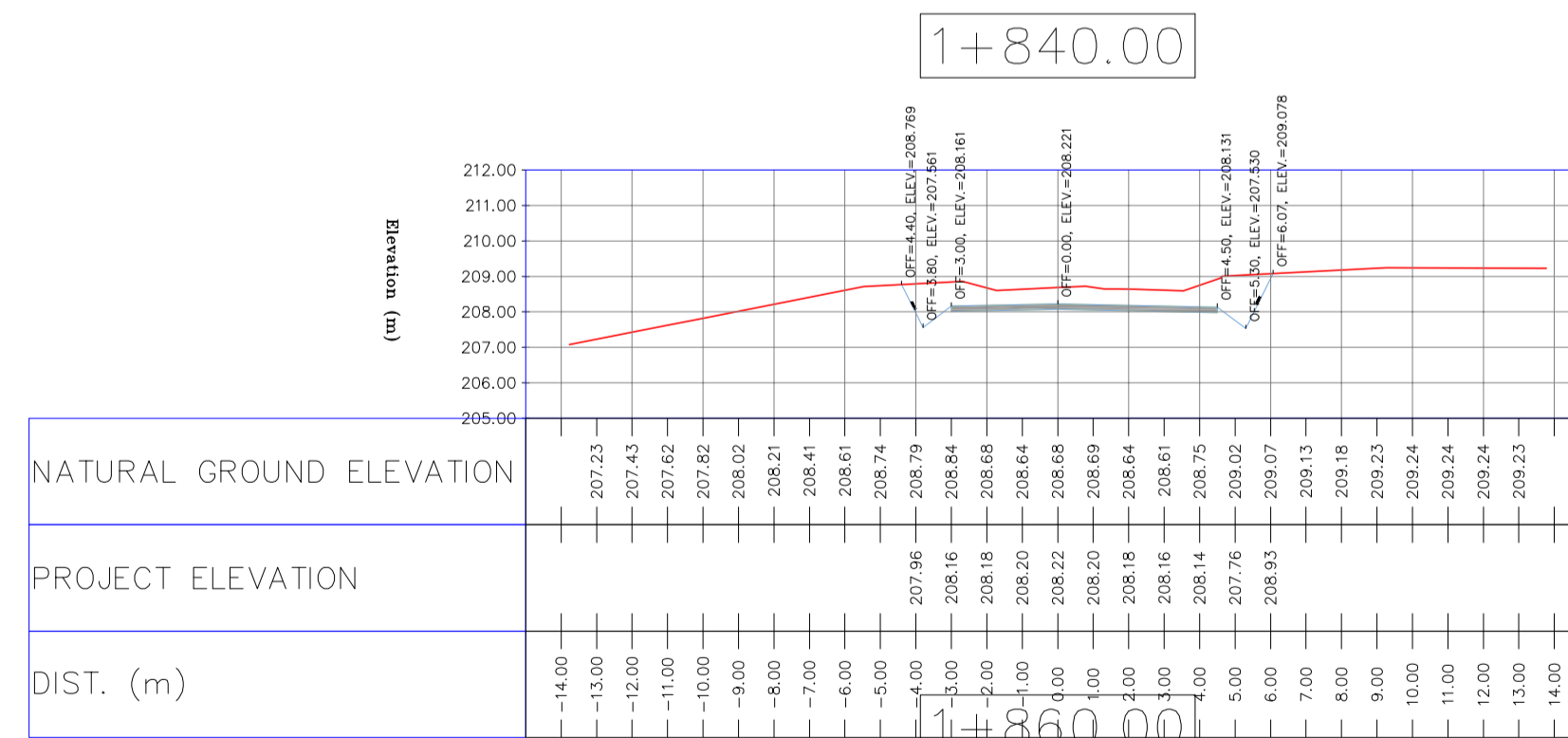
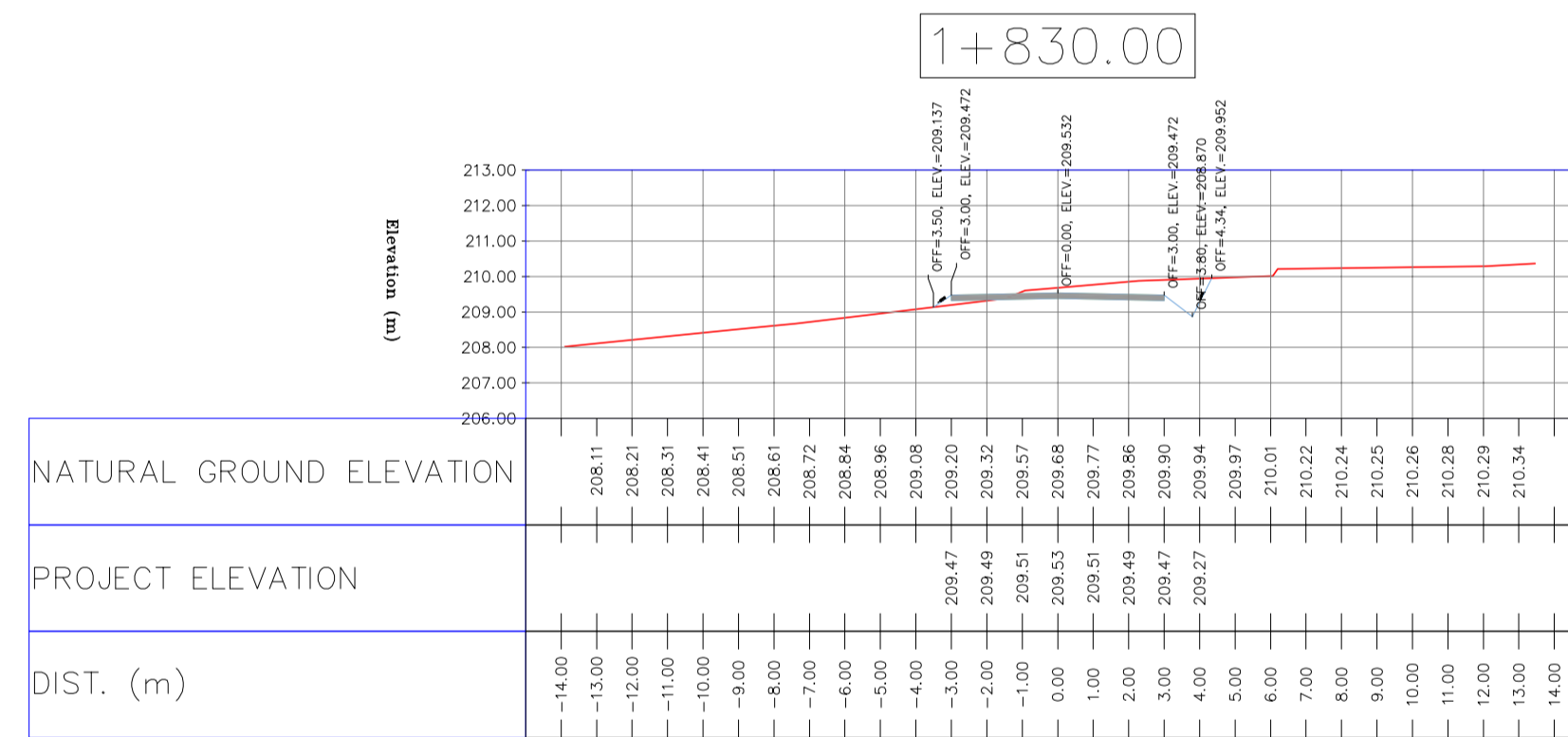
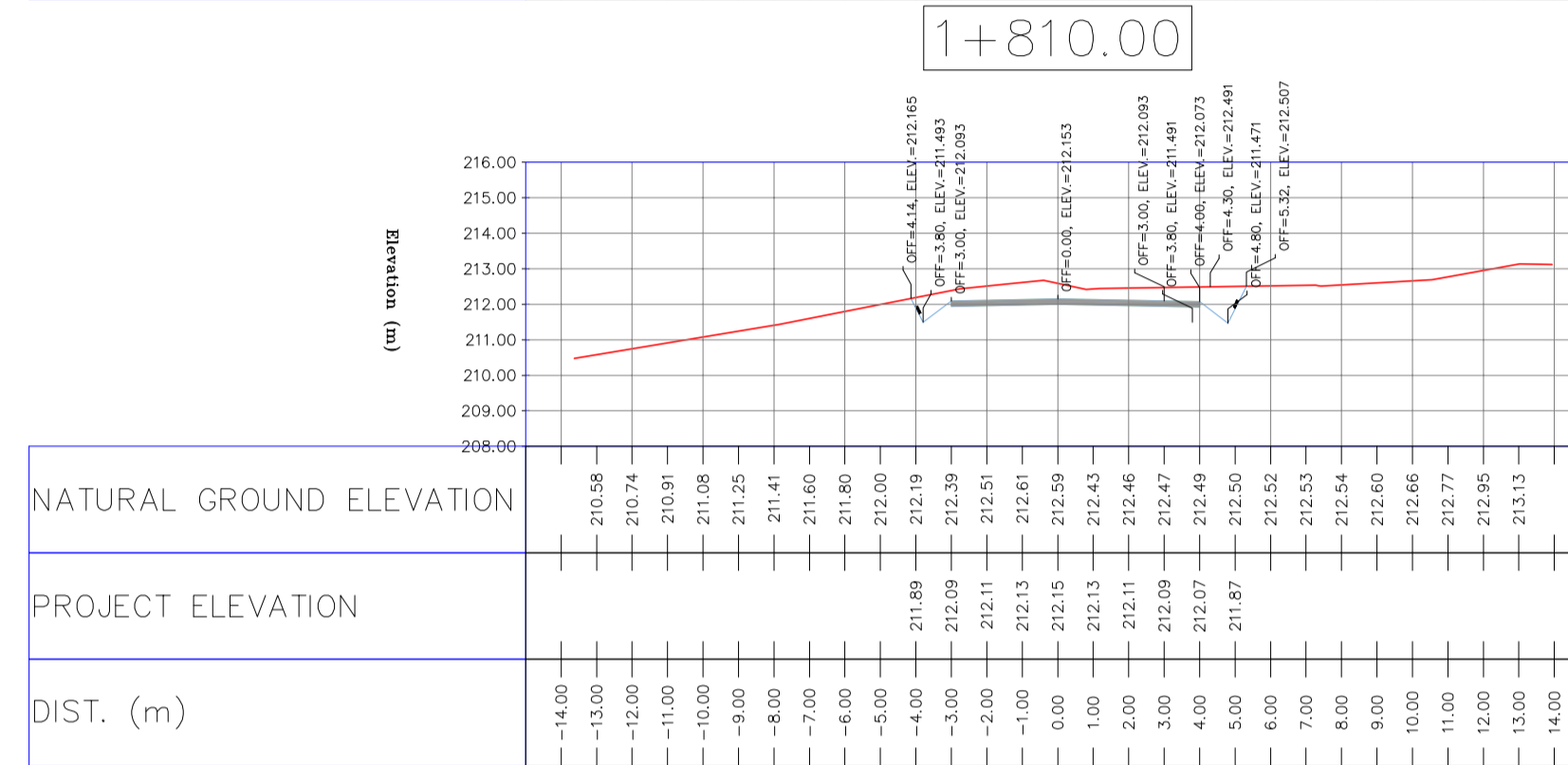
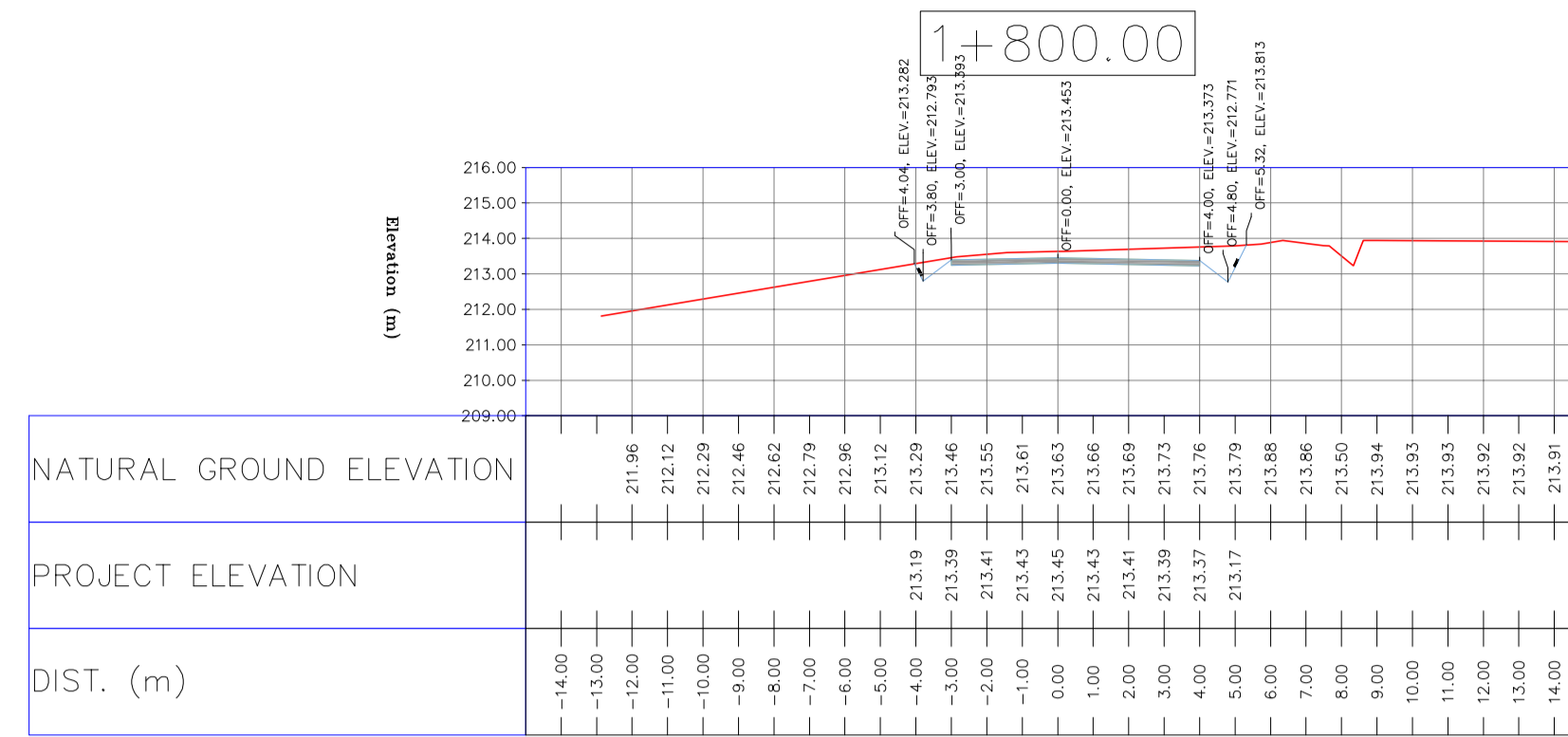
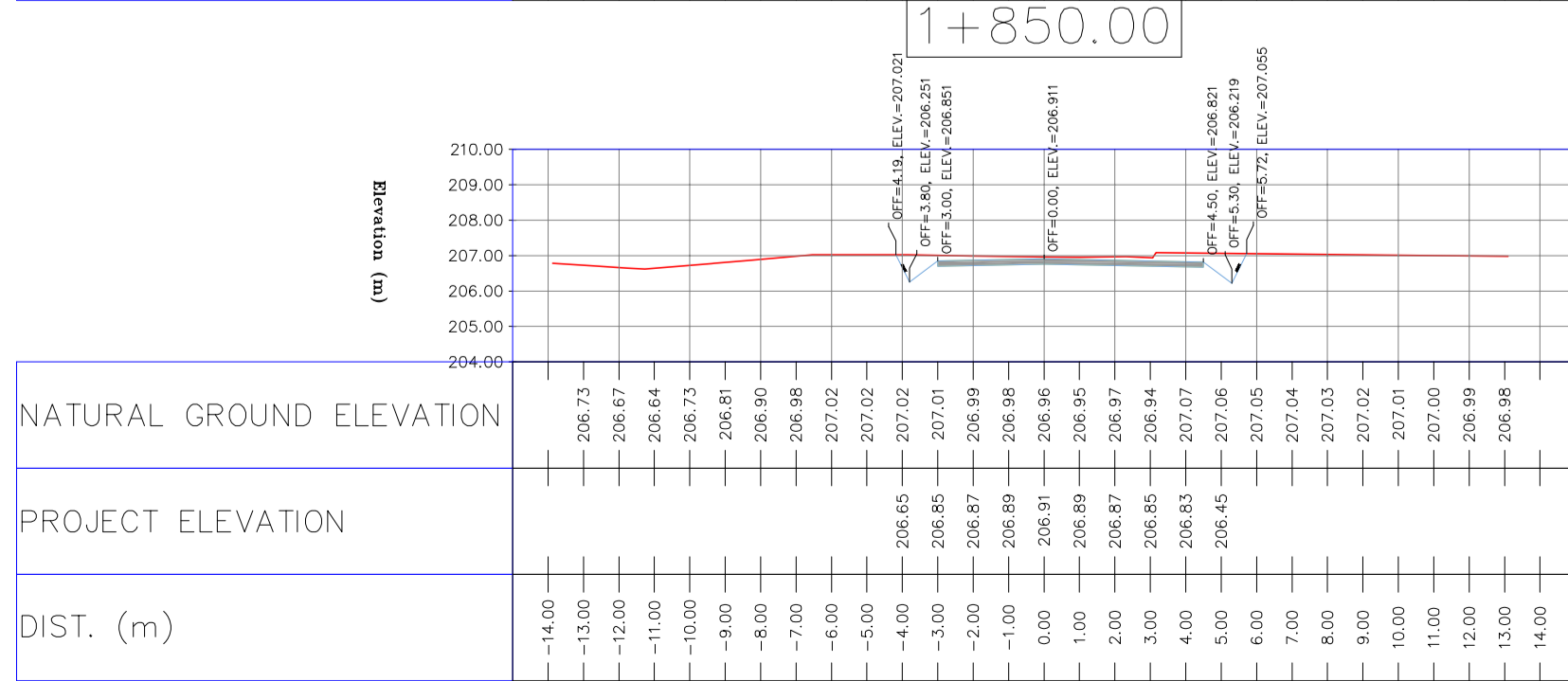
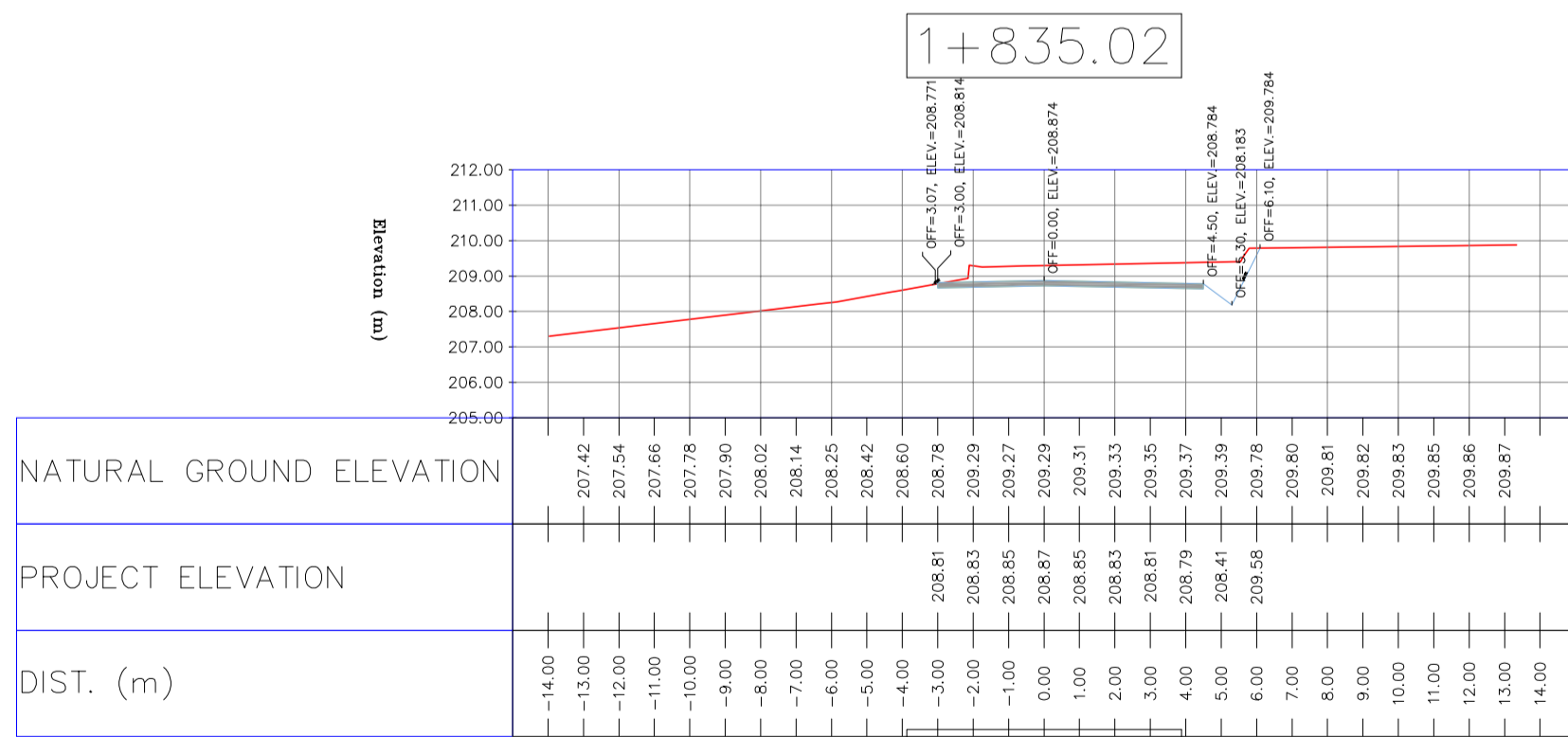
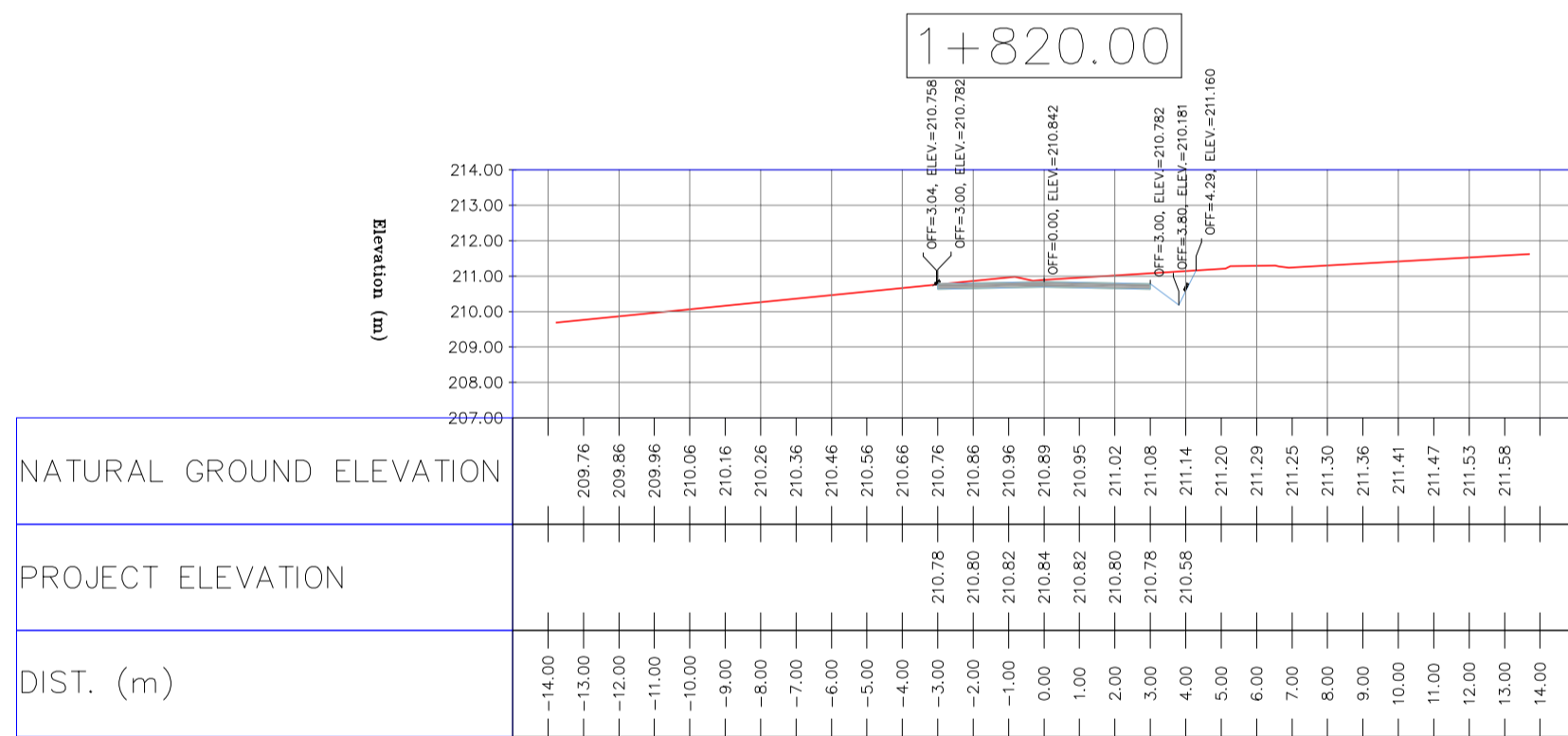
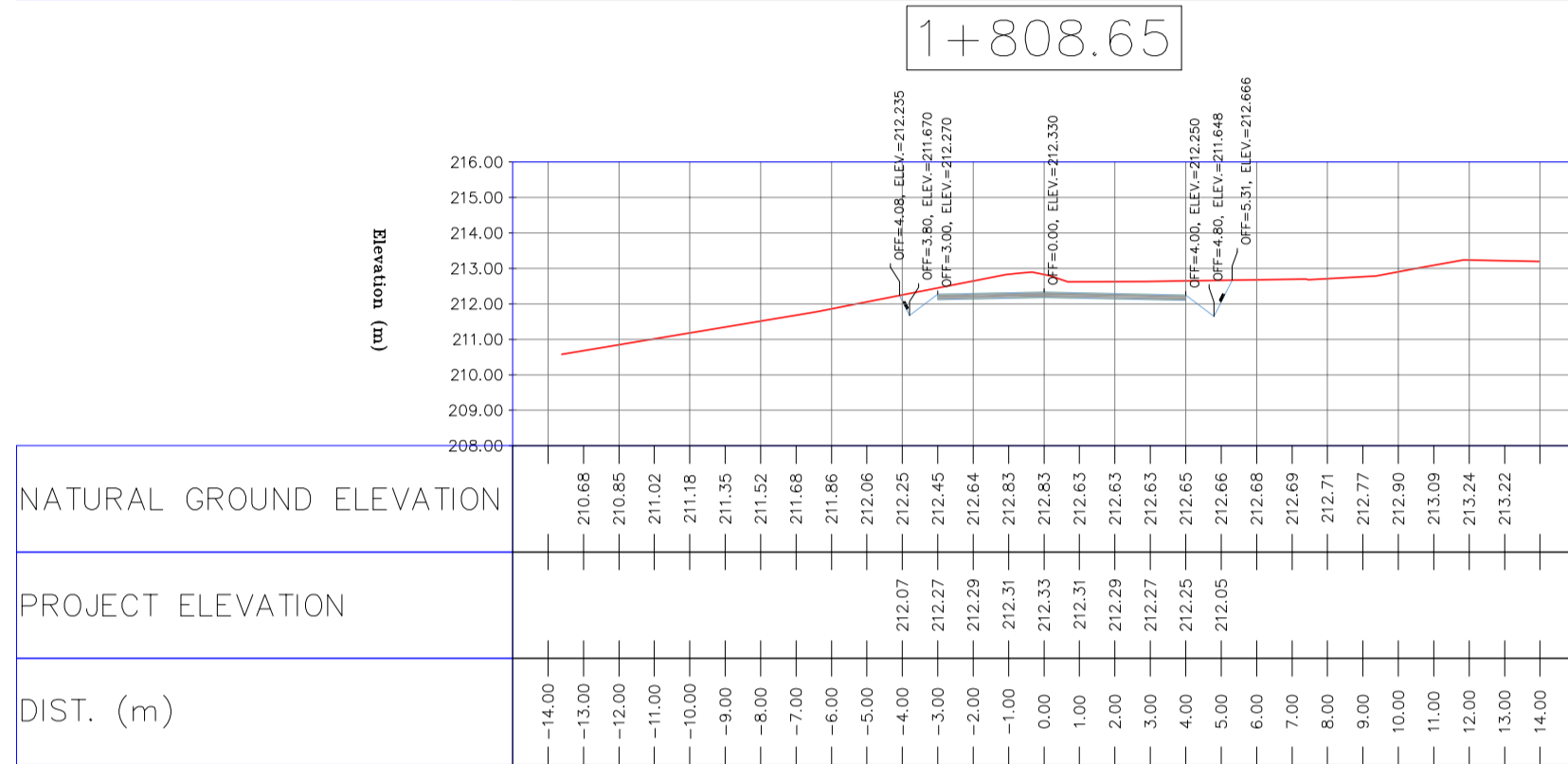
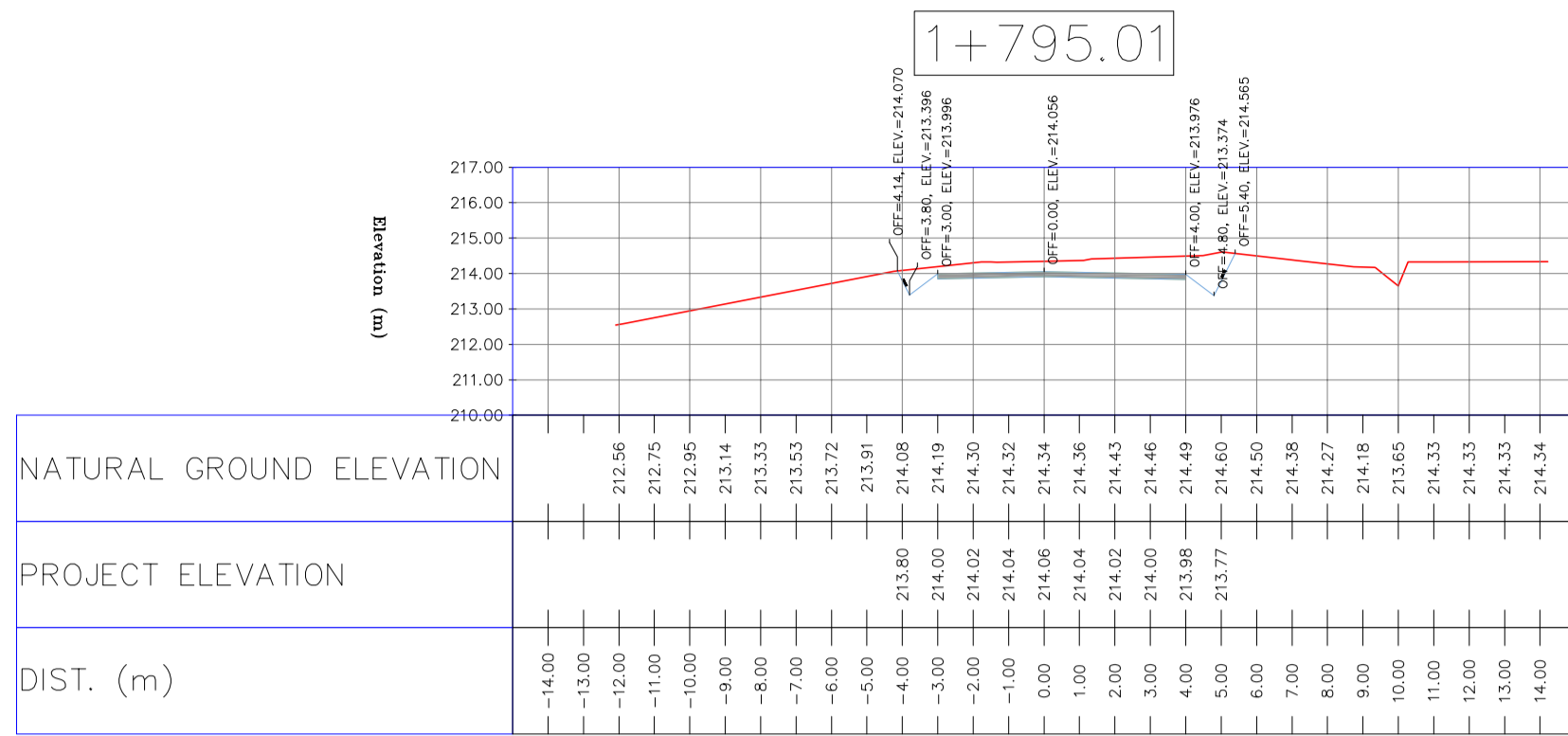
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

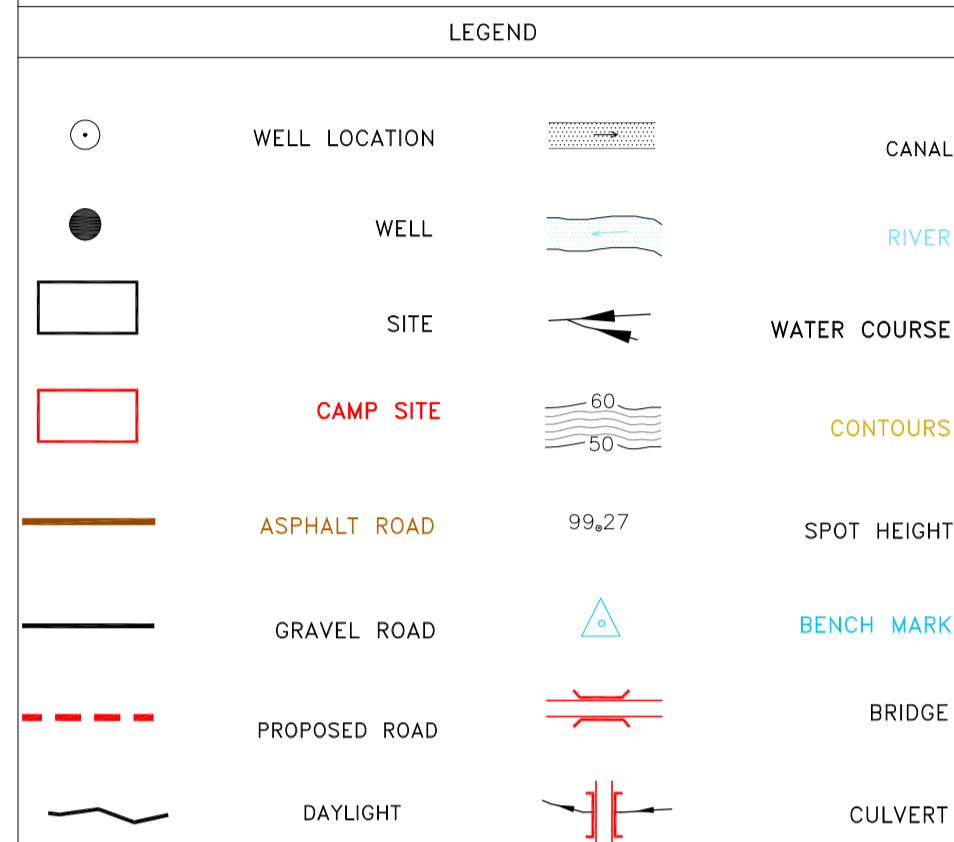
APPROVED FOR CONSTRUCTION	BY:	DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	55 OF 101	D03	053-073-9184	F	4	S	708209	55	D03





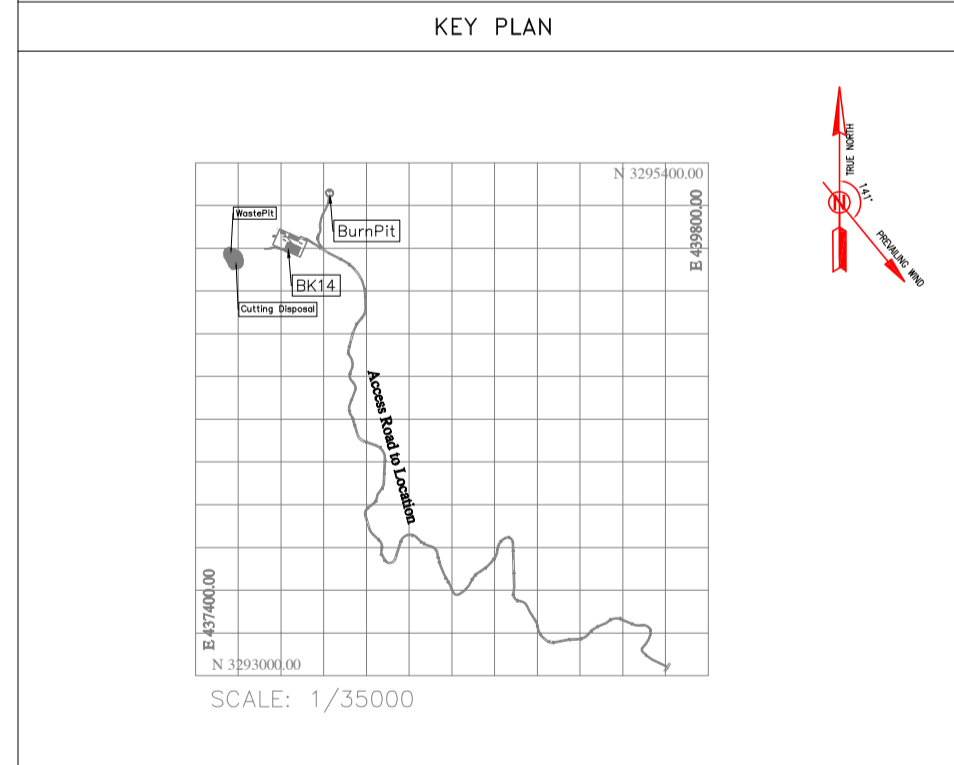
- NOTES
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
 - 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-GNRL-PEDCO-000-CV-SP-0004".
- GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
 - BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.



REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-SW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
BVC= BEGN OF VERTICAL CURVE STATION
BVCE= BEGN OF VERTICAL CURVE ELEVATION
EVC= END OF VERTICAL CURVE STATION
EVC= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
DOO	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

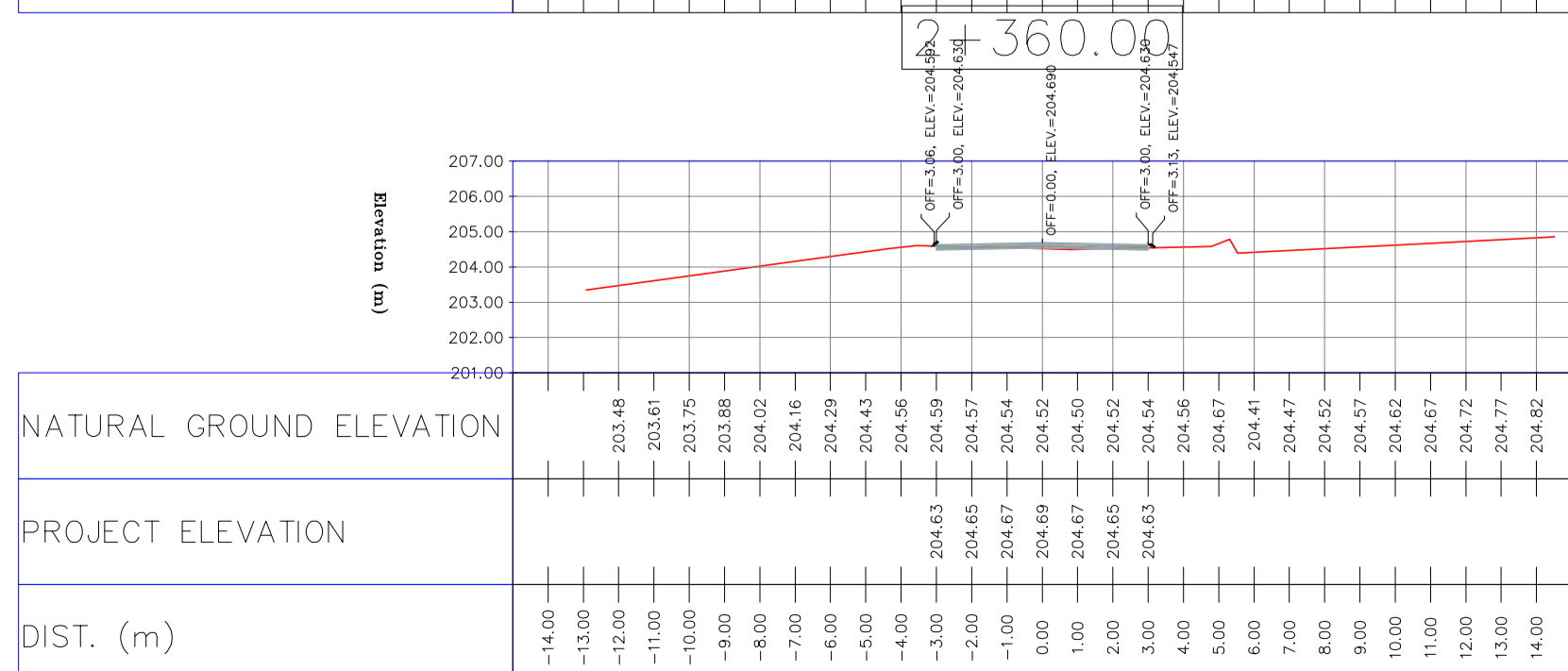
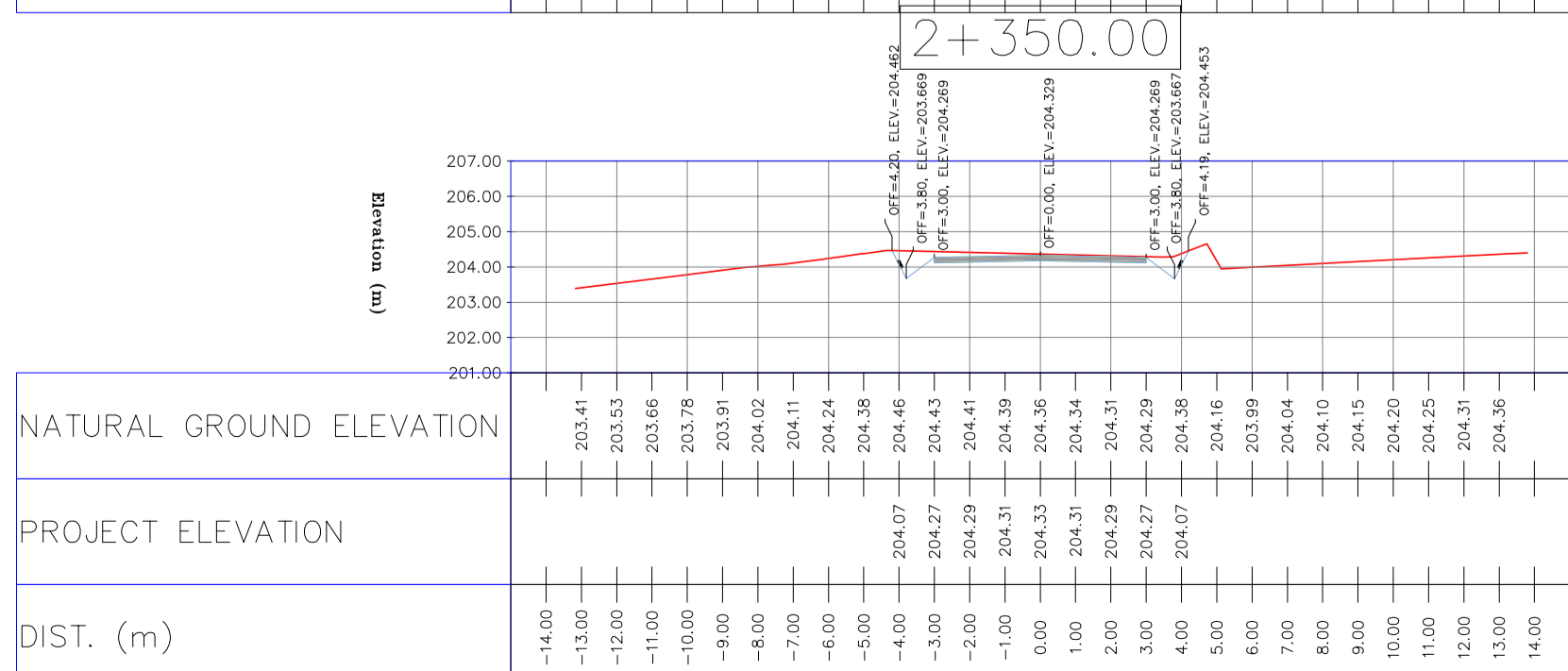
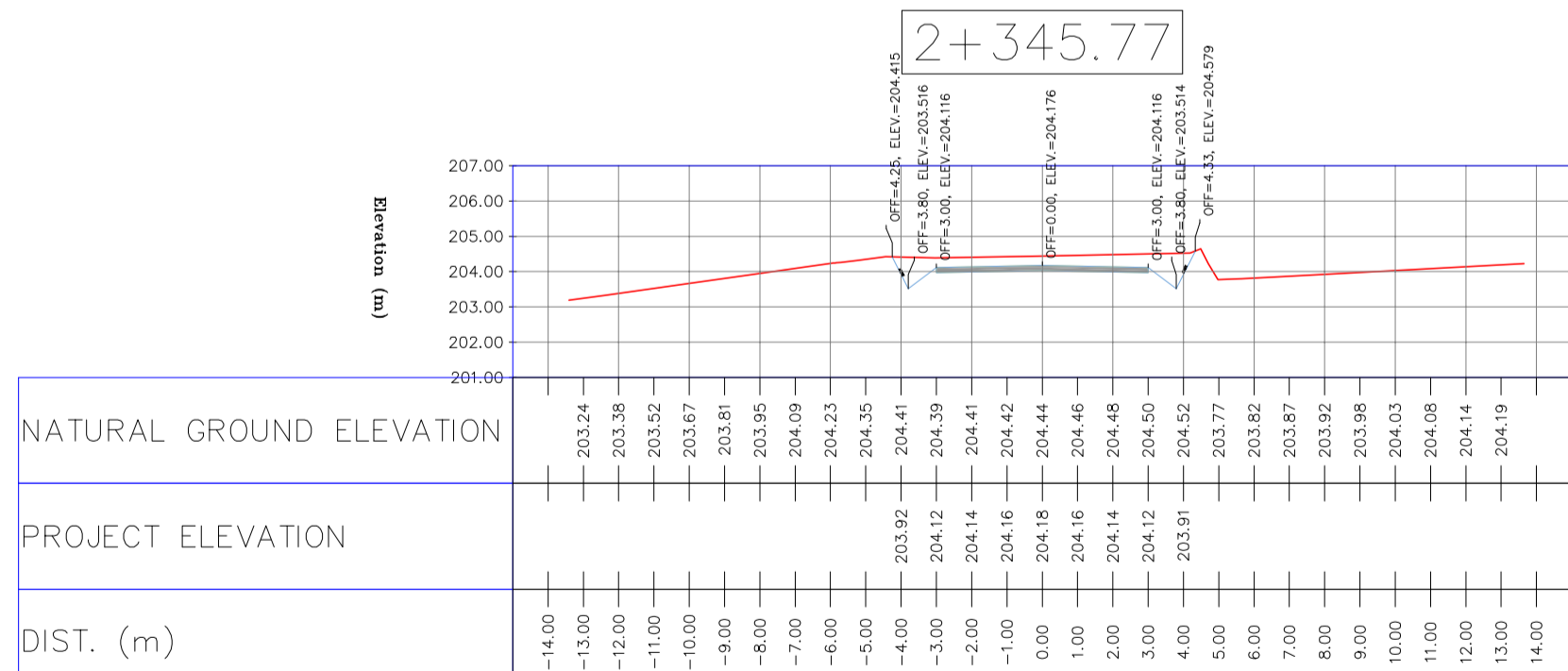
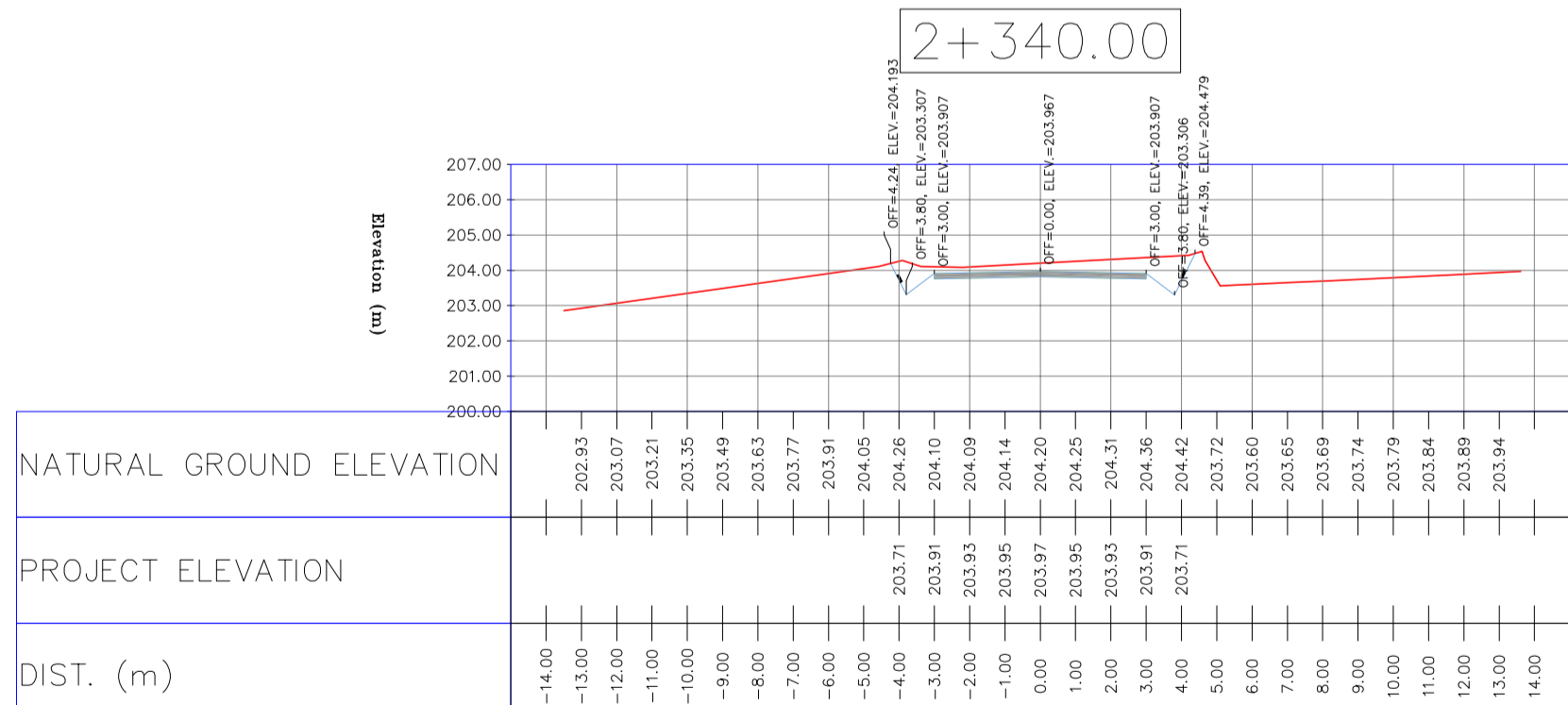
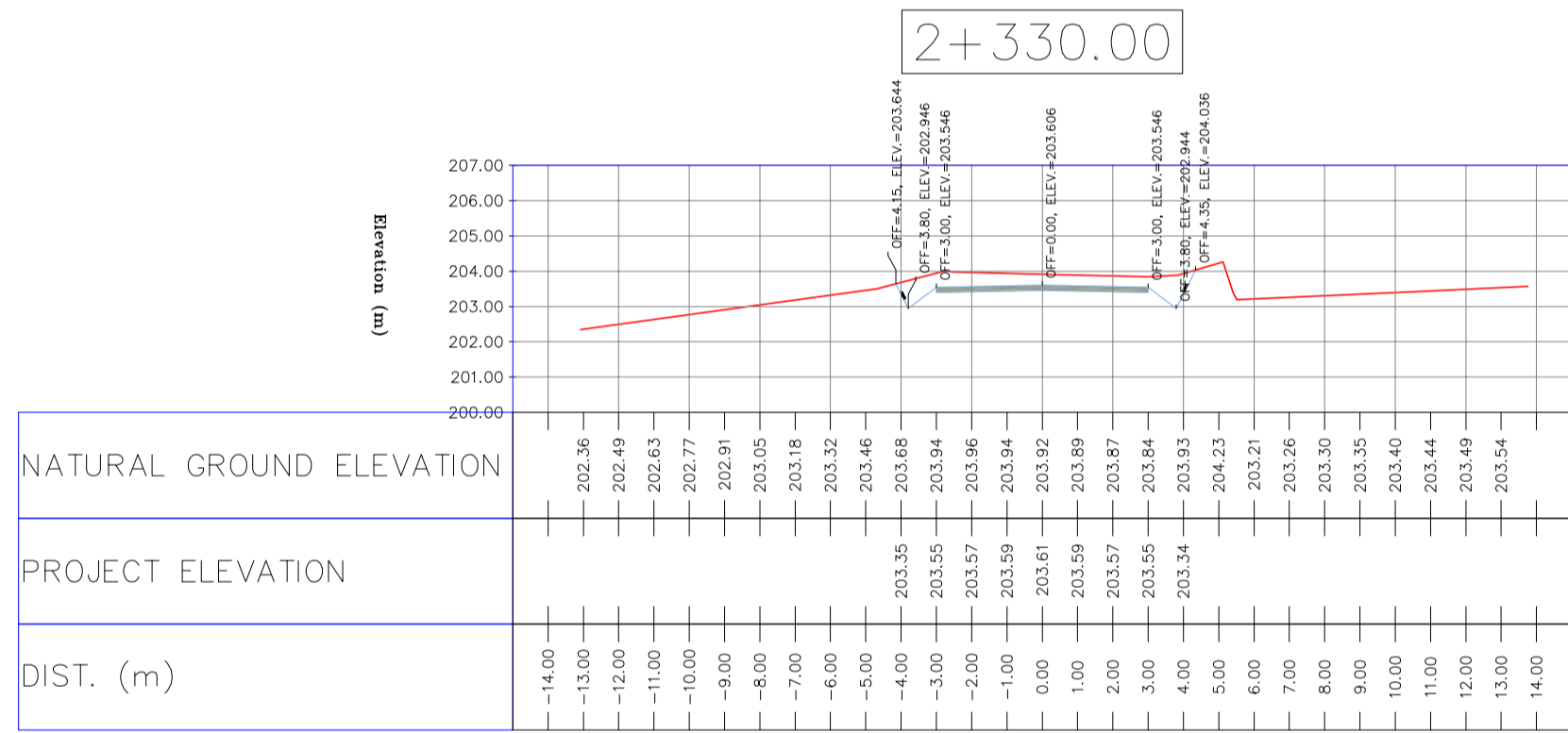
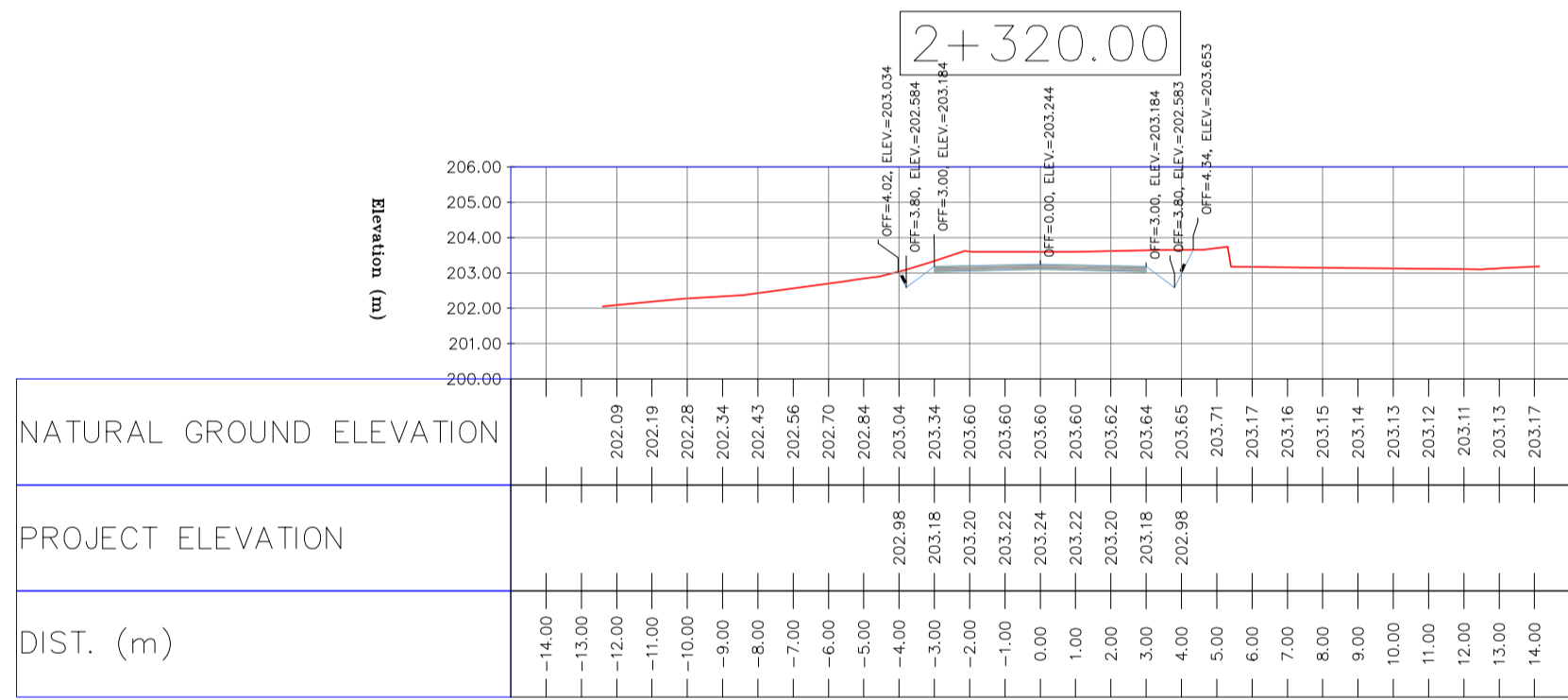
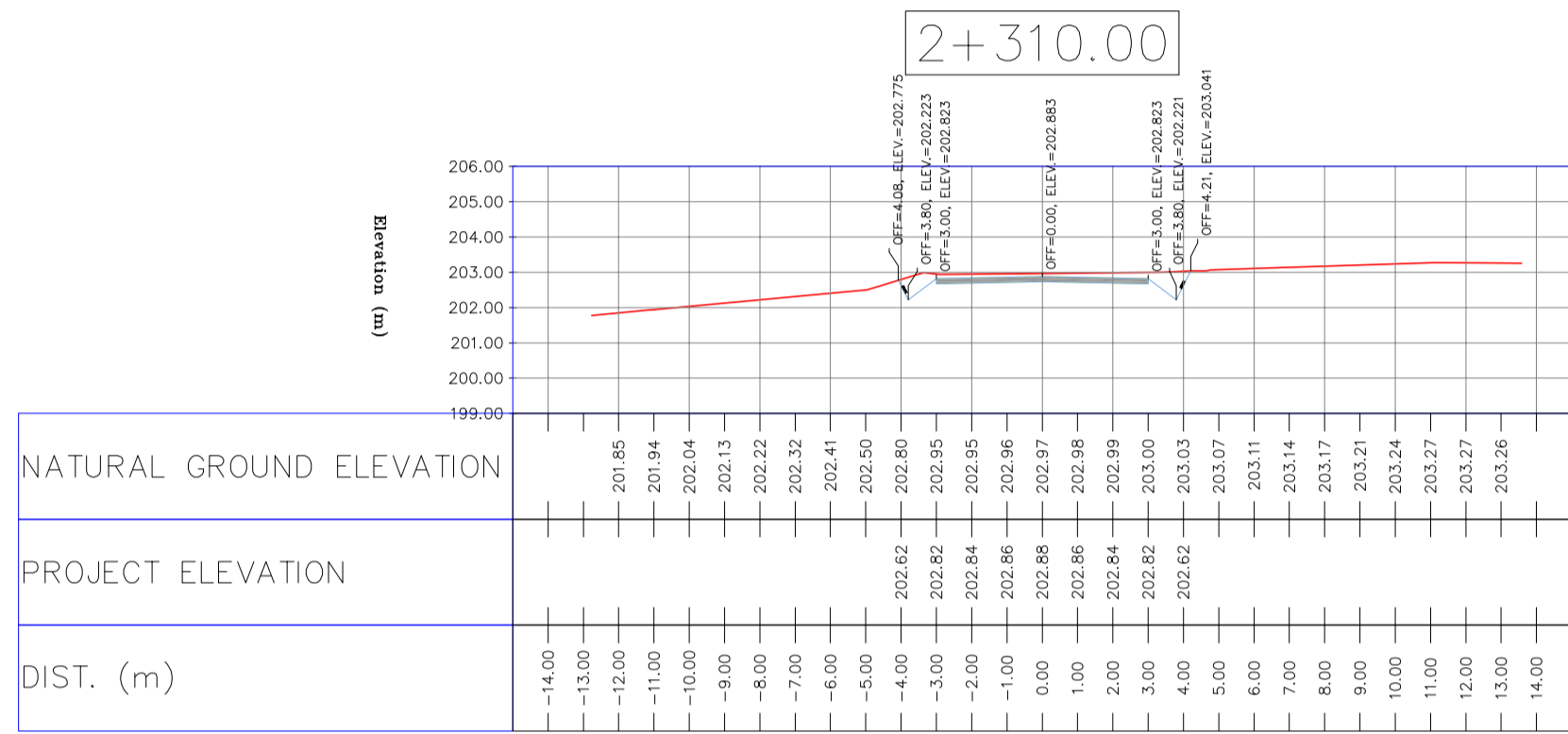
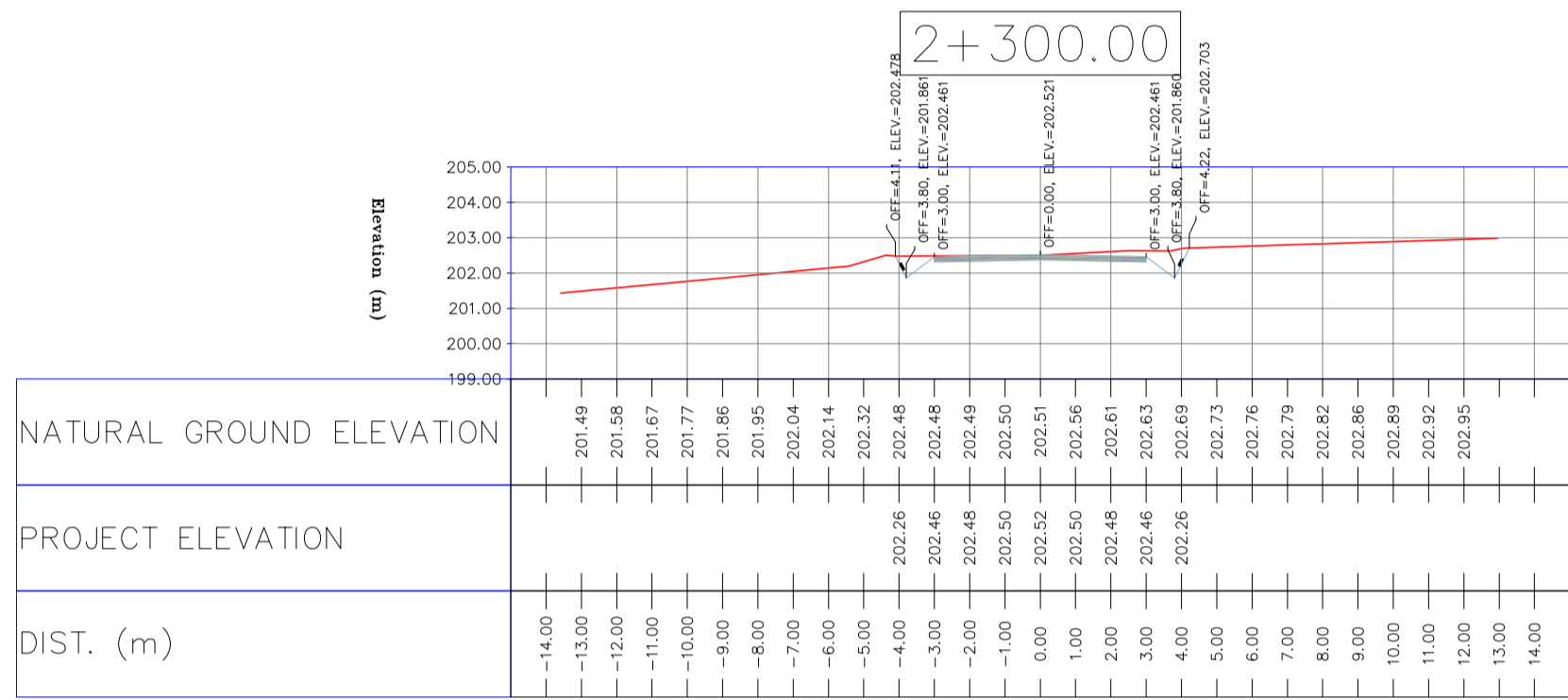
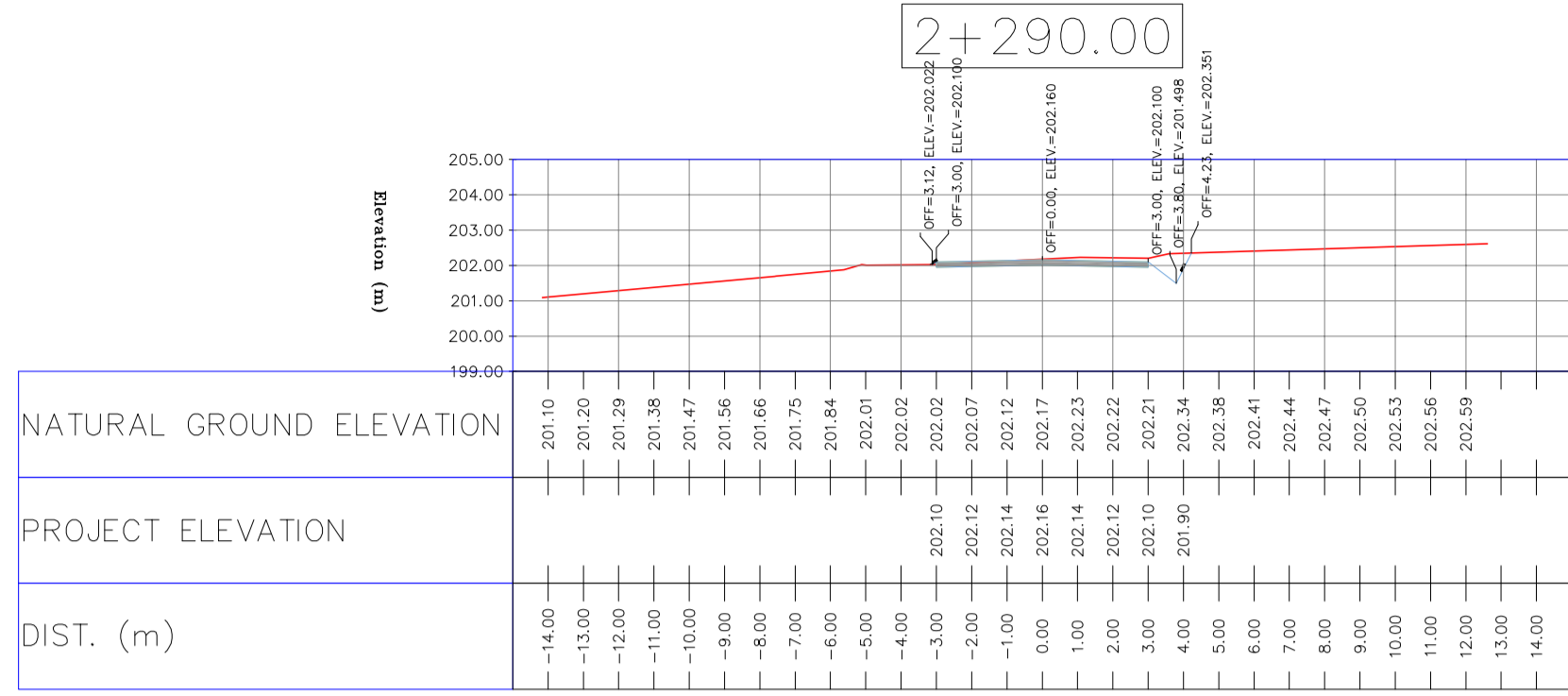
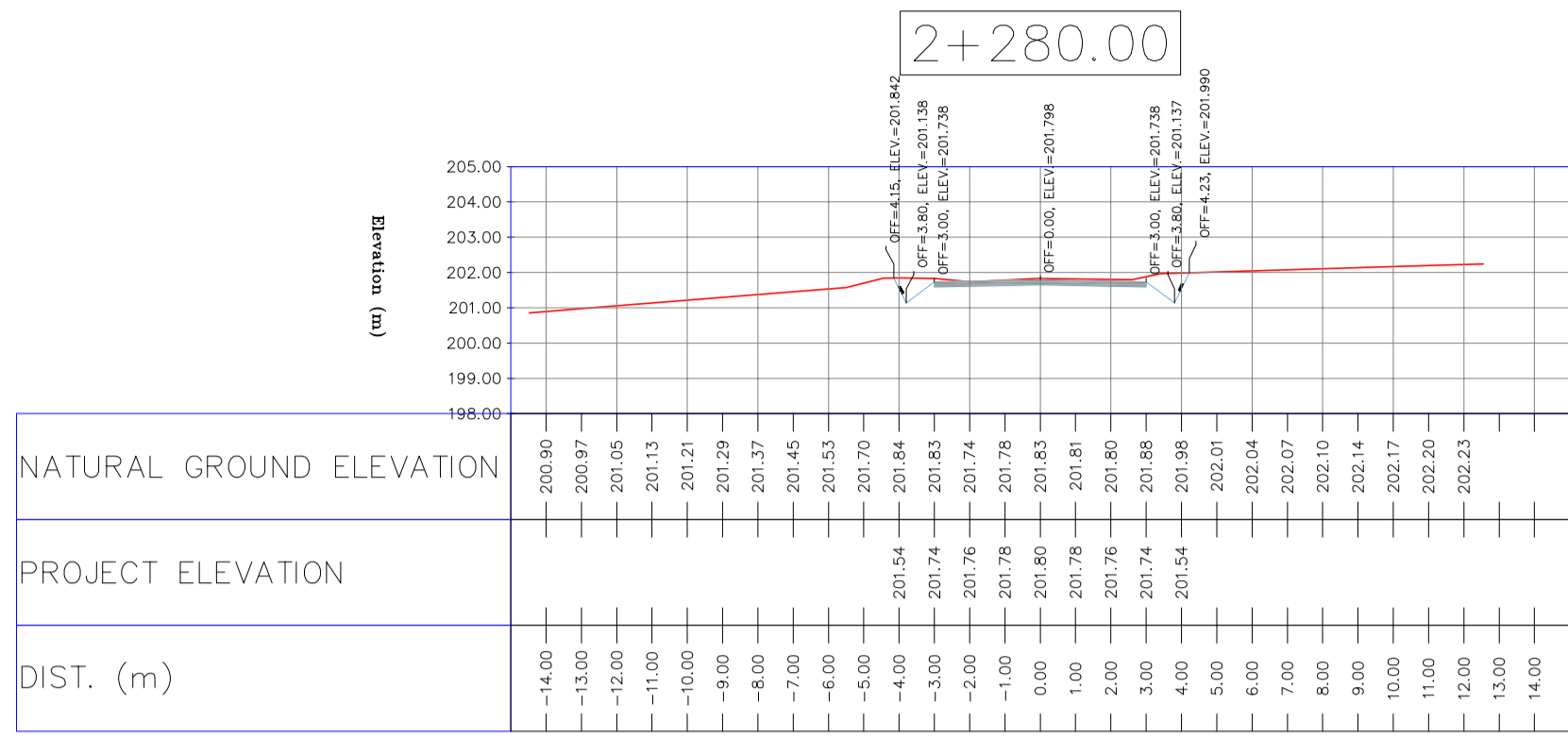
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	58 OF 101	D03	053-073-9184	F	4	S	708209	58	D03

TOTALLY REVISED

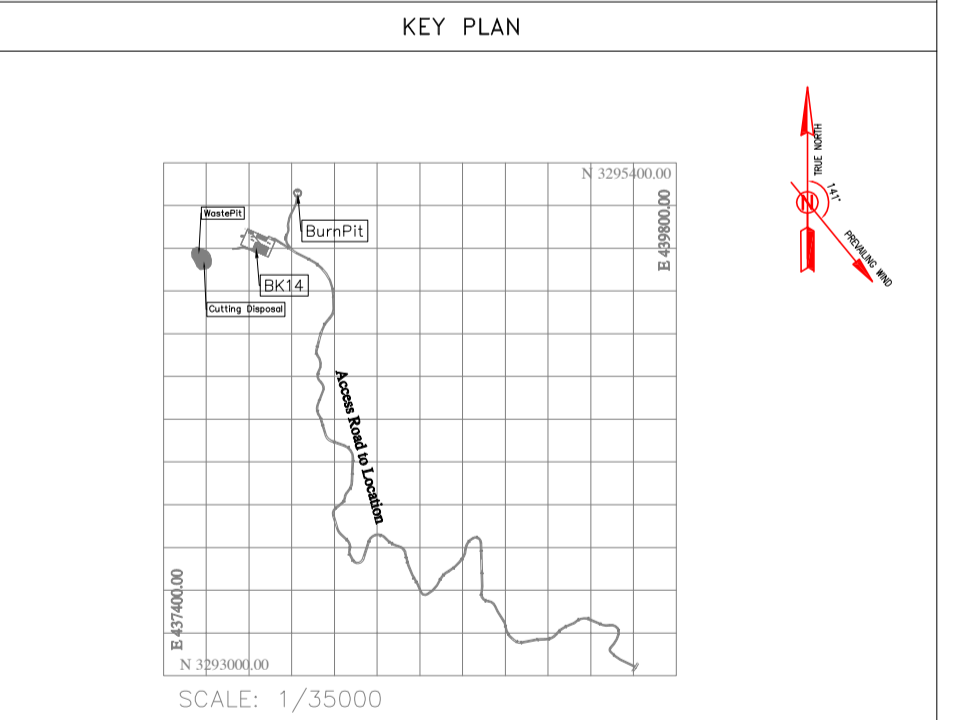


- NOTES
1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
3-GEODEIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
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-GNRAI-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.

LEGEND
WELL LOCATION, CANAL, RIVER, WATER COURSE, CONTOURS, SPOT HEIGHT, BENCH MARK, BRIDGE, CULVERT
ASPHALT ROAD, GRAVEL ROAD, PROPOSED ROAD, DAYLIGHT

REFERENCE DRAWING DRG. No.
General Civil Layout - BK14 BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14 BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work BK-GNRAI-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details BK-GNRAI-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14 BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving BK-GNRAI-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14 BK-BK14-PEDCO-110-CV-MT-0001

- ABBREVIATION
PT= POINT
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BVCE= END OF VERTICAL CURVE ELEVATION
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EVCE= END OF VERTICAL CURVE ELEVATION



Revision table with columns: REV., DATE, P.O.I.S, PREP., CHK., APP., AUT., CHECKED, REV. APPR.

اسل و کلیه نسخ این نقشه به حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

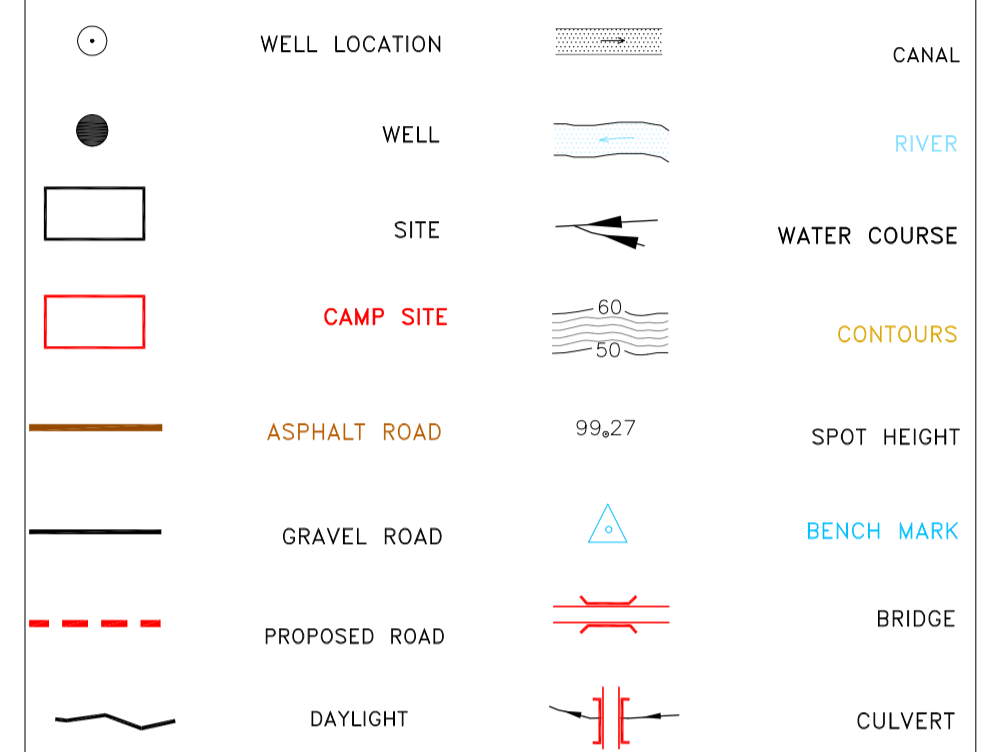
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION BY: DATE:
SCALE: A1 DRAWING NO. BK-BK14-PEDCO-110-CV-DW-0001 SHEET NO. 65 OF 101 REV. D03 BUDGET REF. 053-073-9184 LOCATION F SIZE 4 CLASS S SERIAL NO. 708209 SHEET 65 REVISION D03

TOTALLY REVISED

NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
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HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
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 - "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION
 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAI-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
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LEGEND

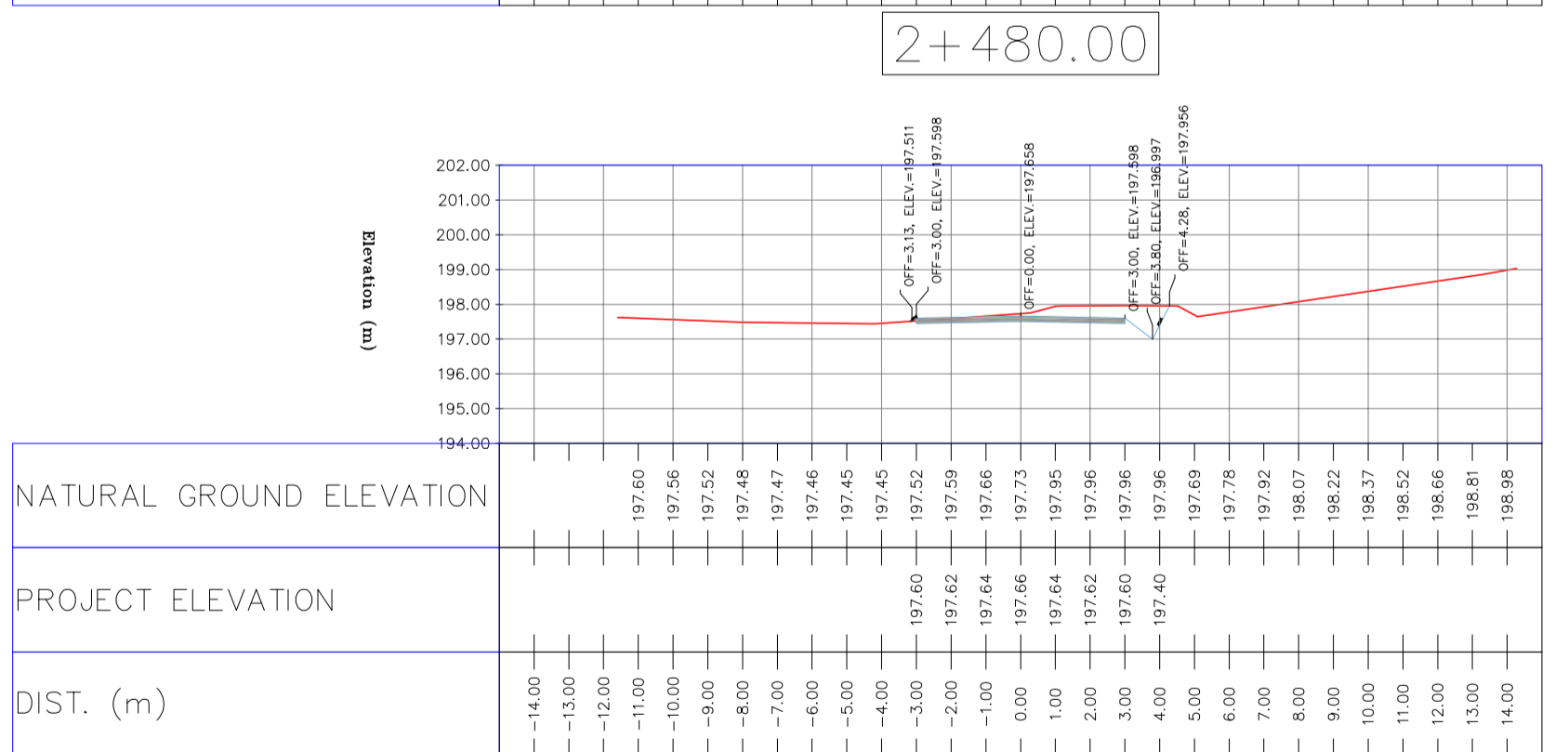
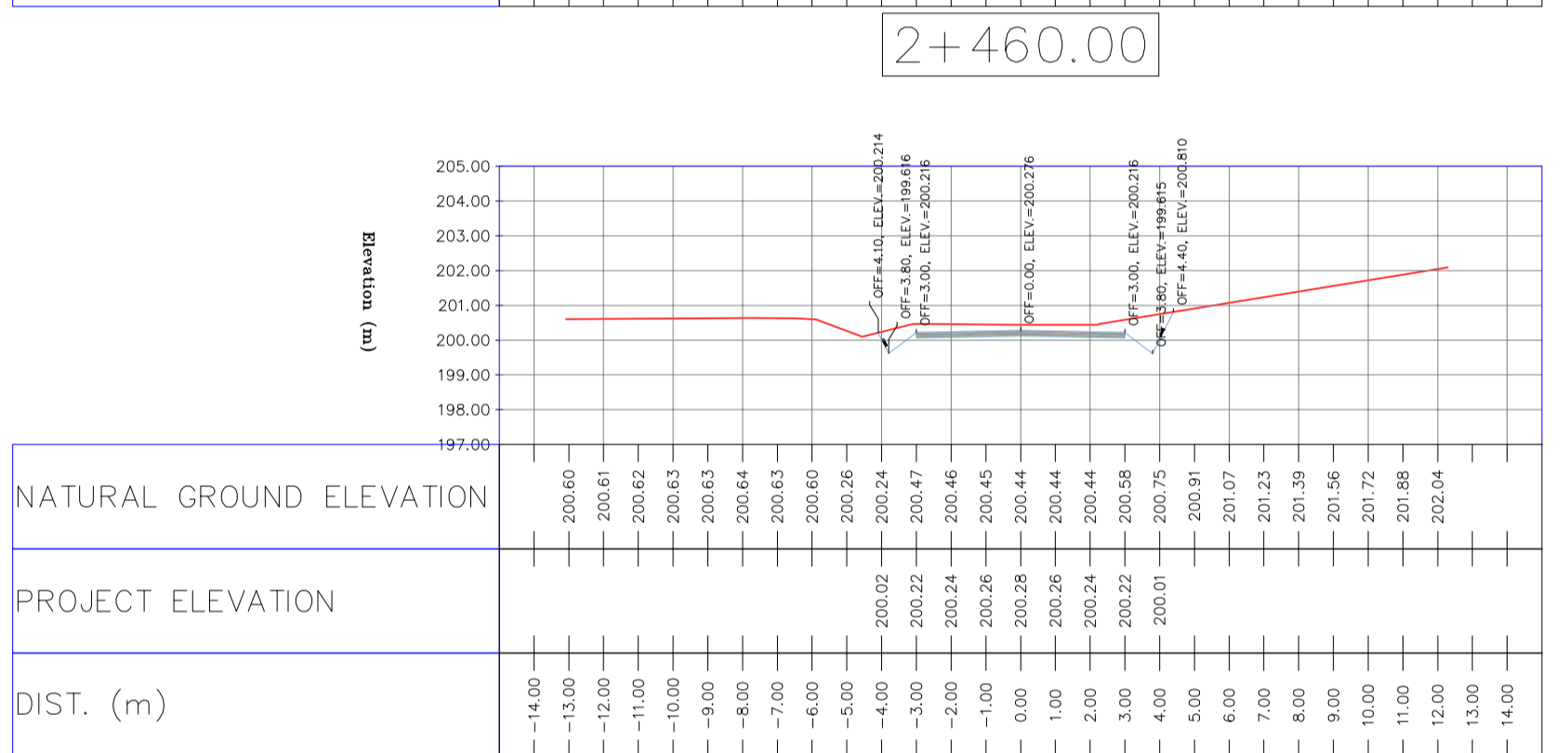
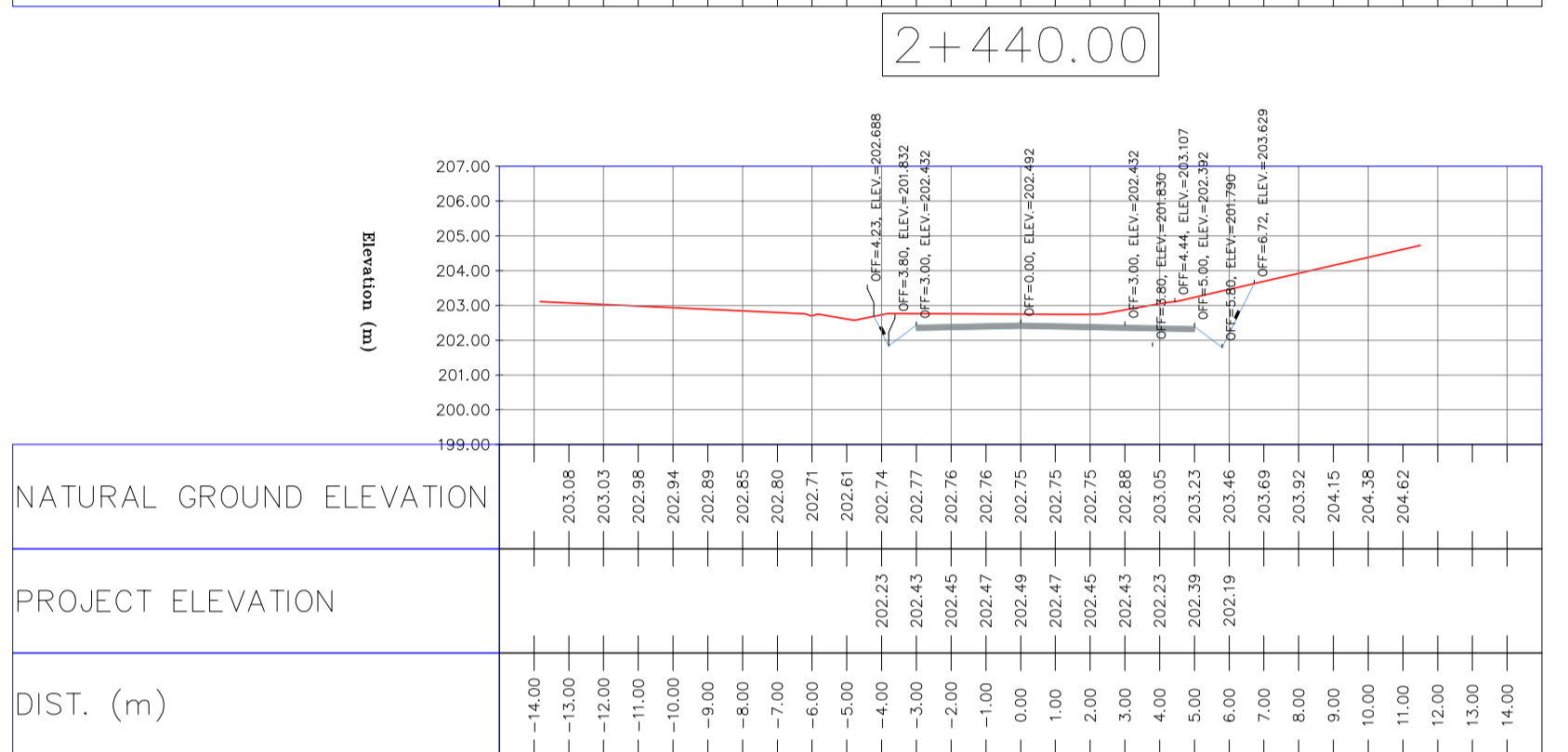
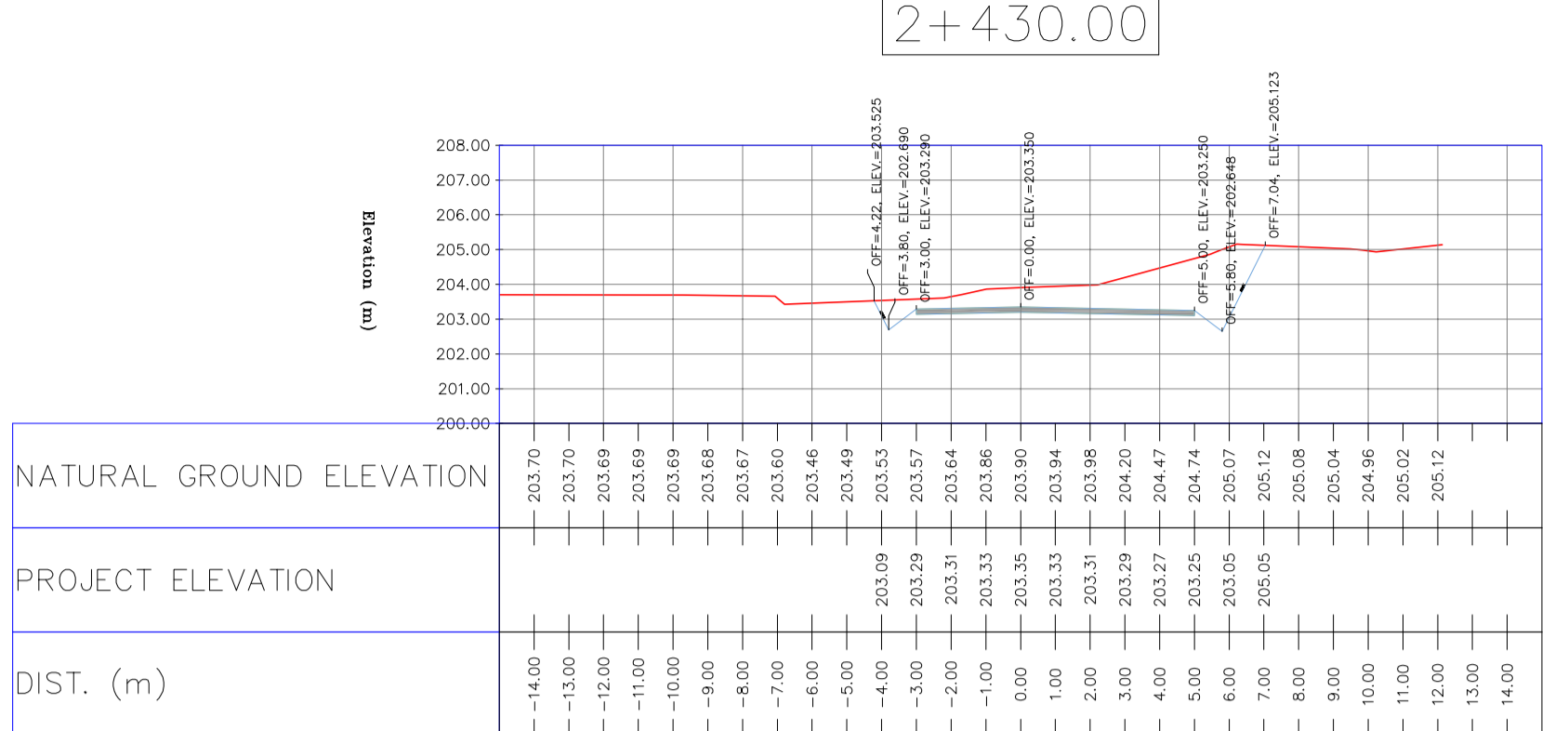
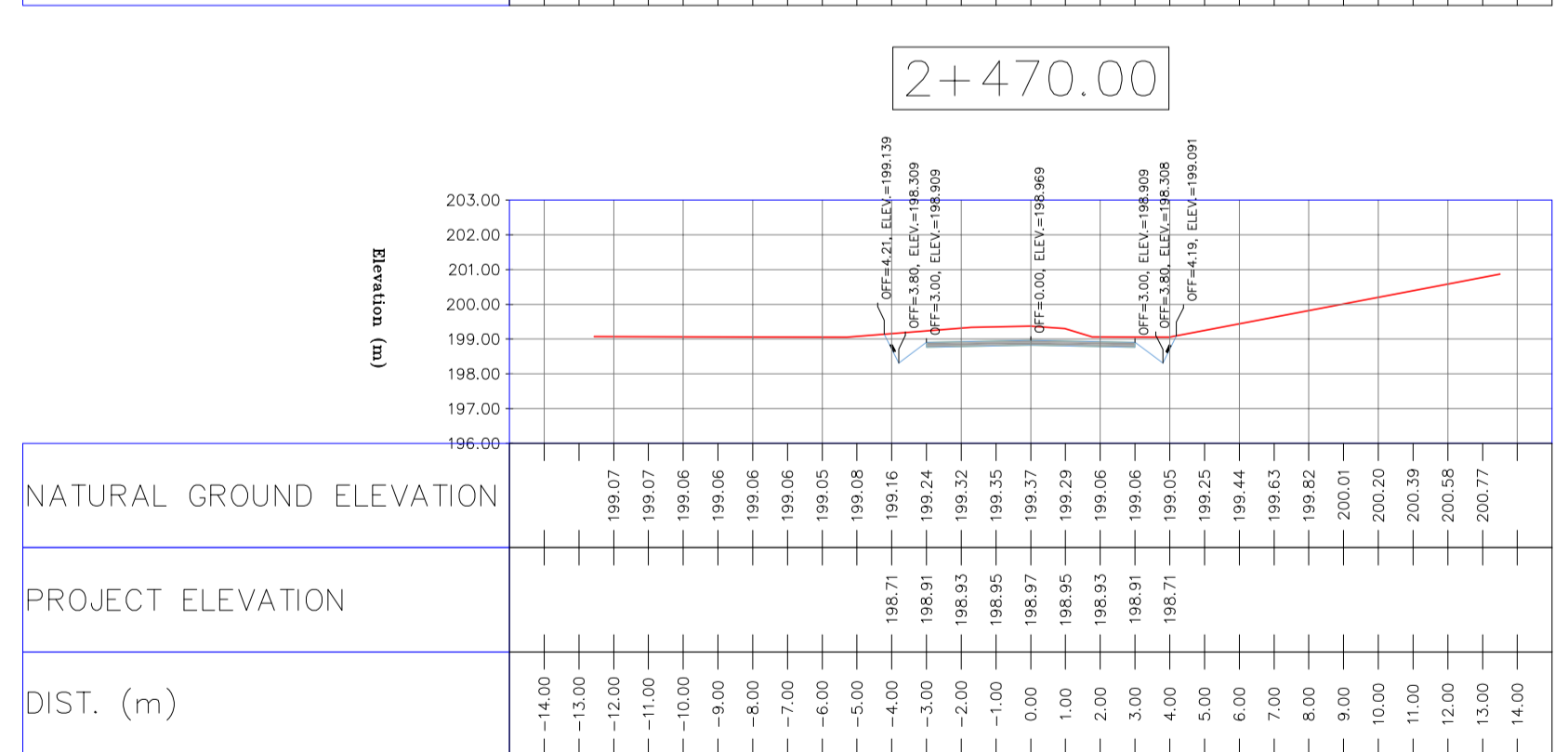
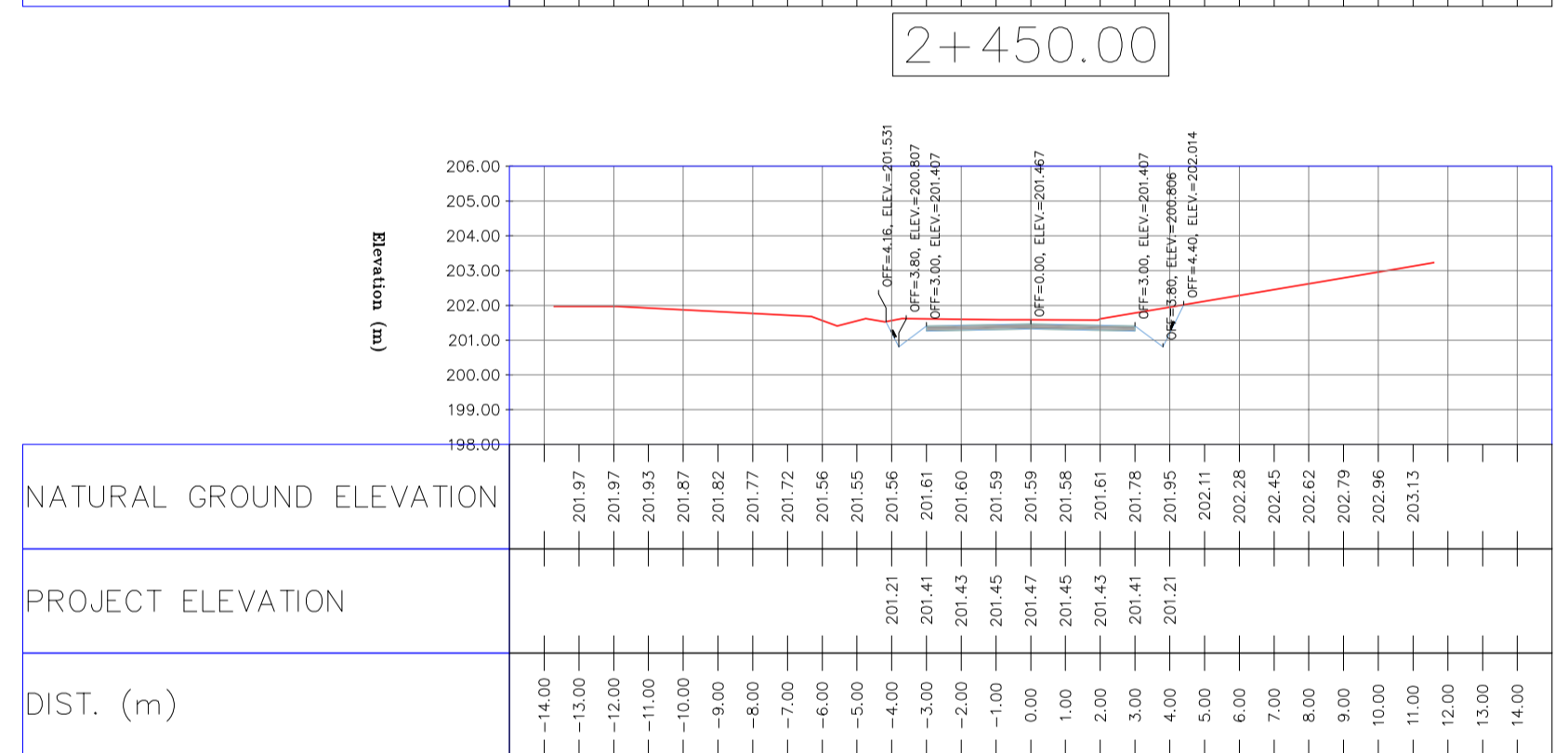
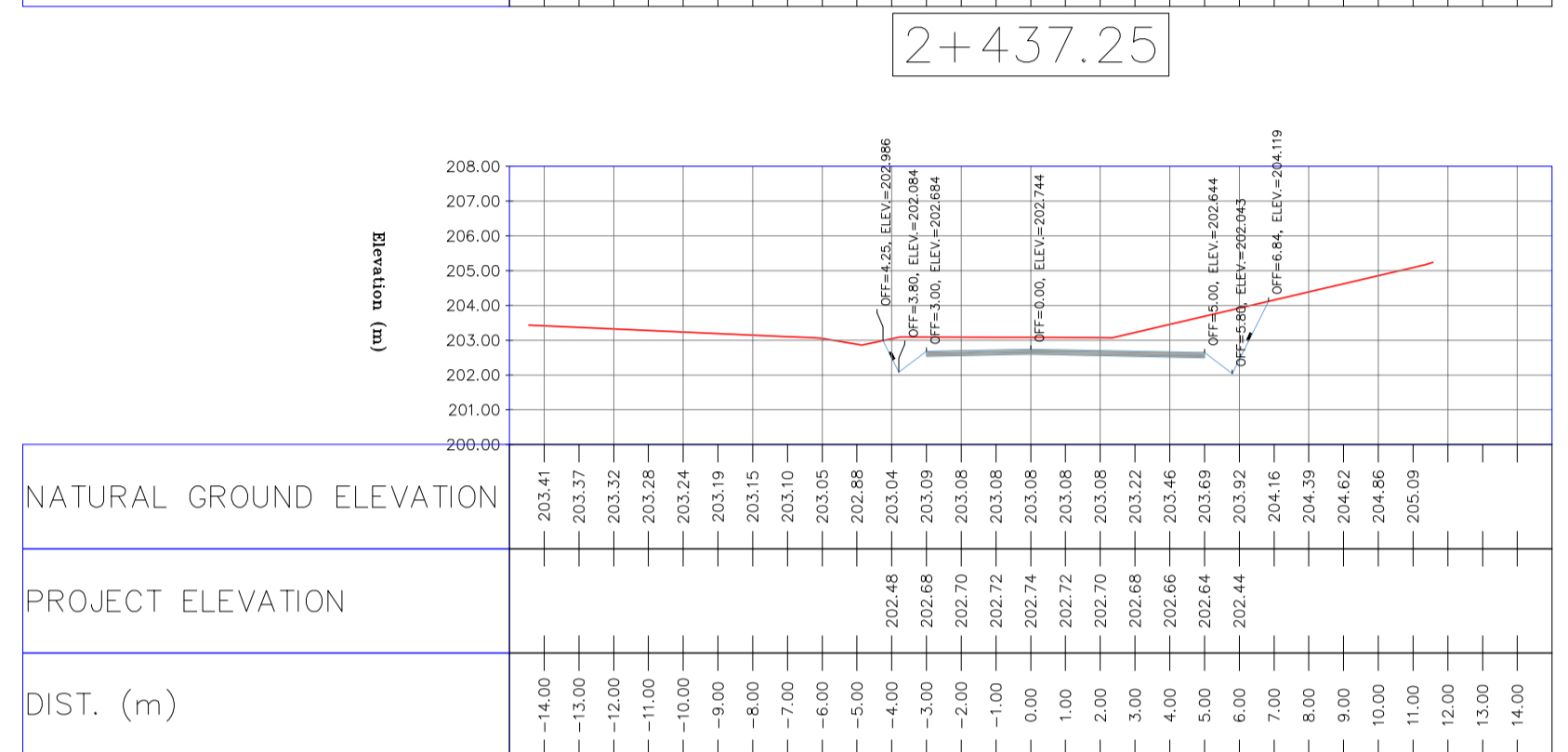
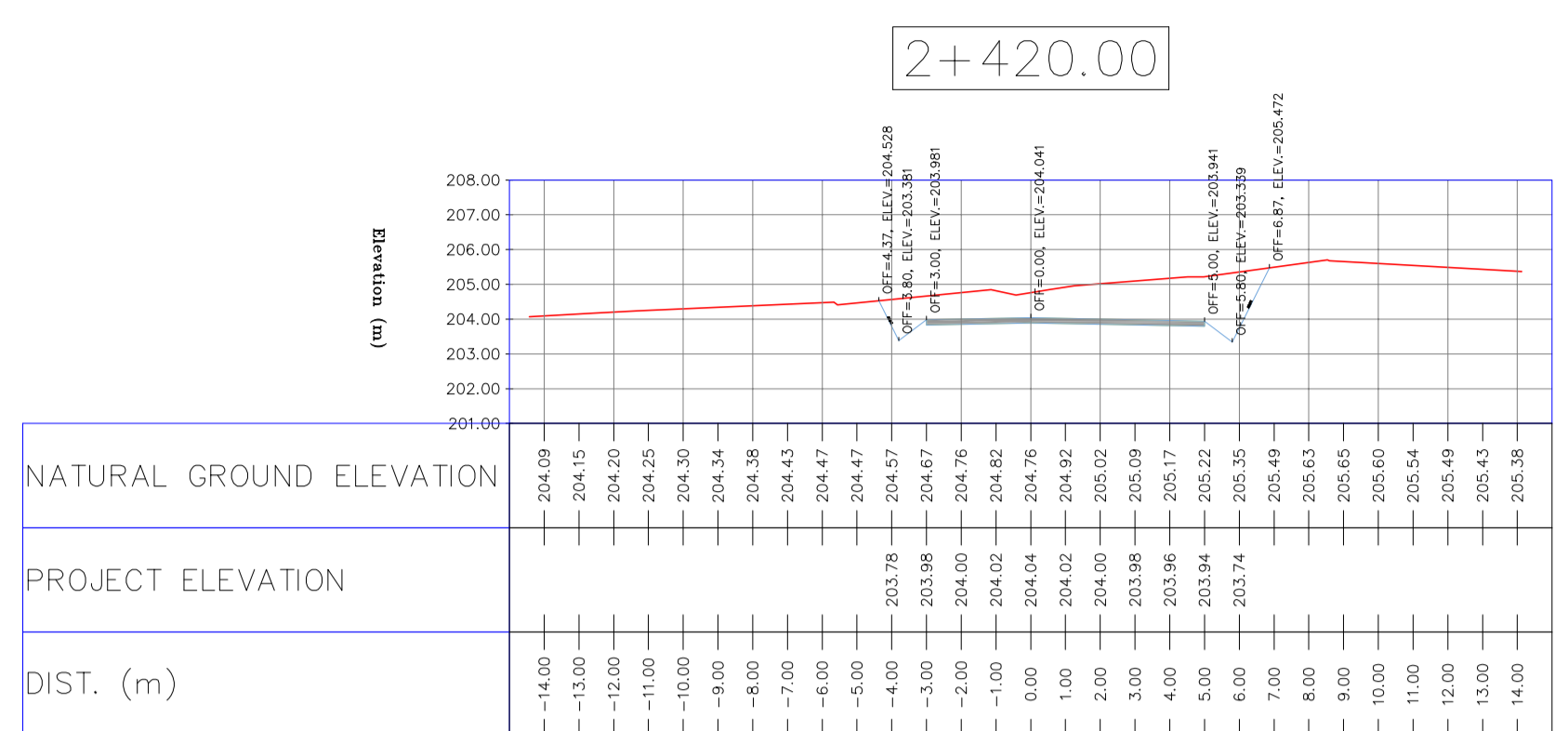
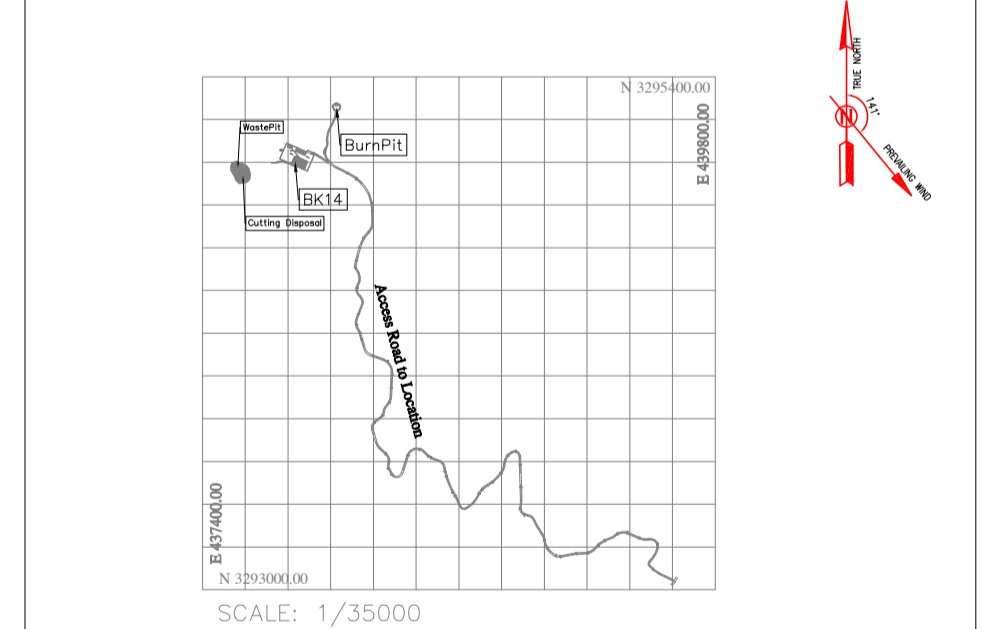


REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRAI-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRAI-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

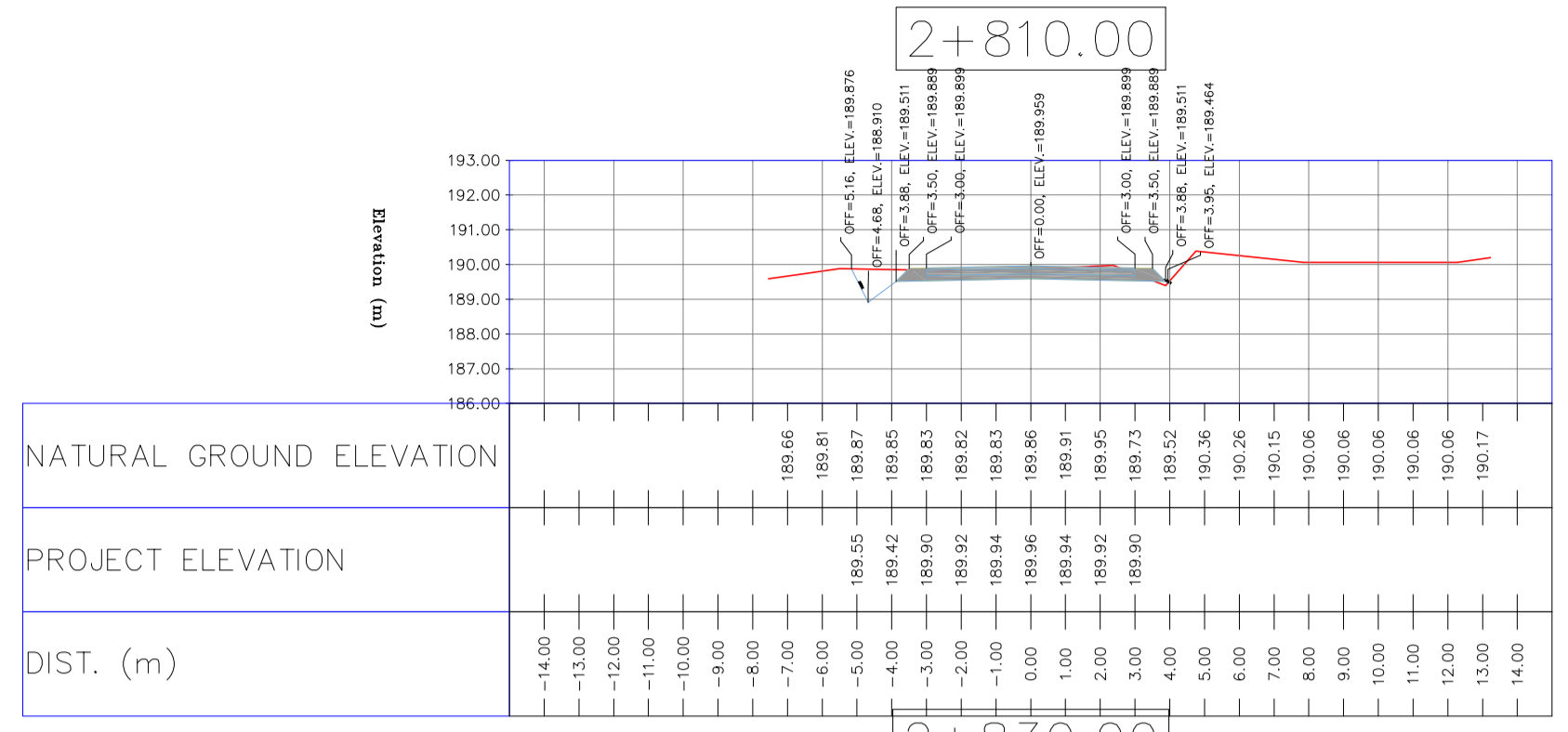
- PT= POINT
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KEY PLAN

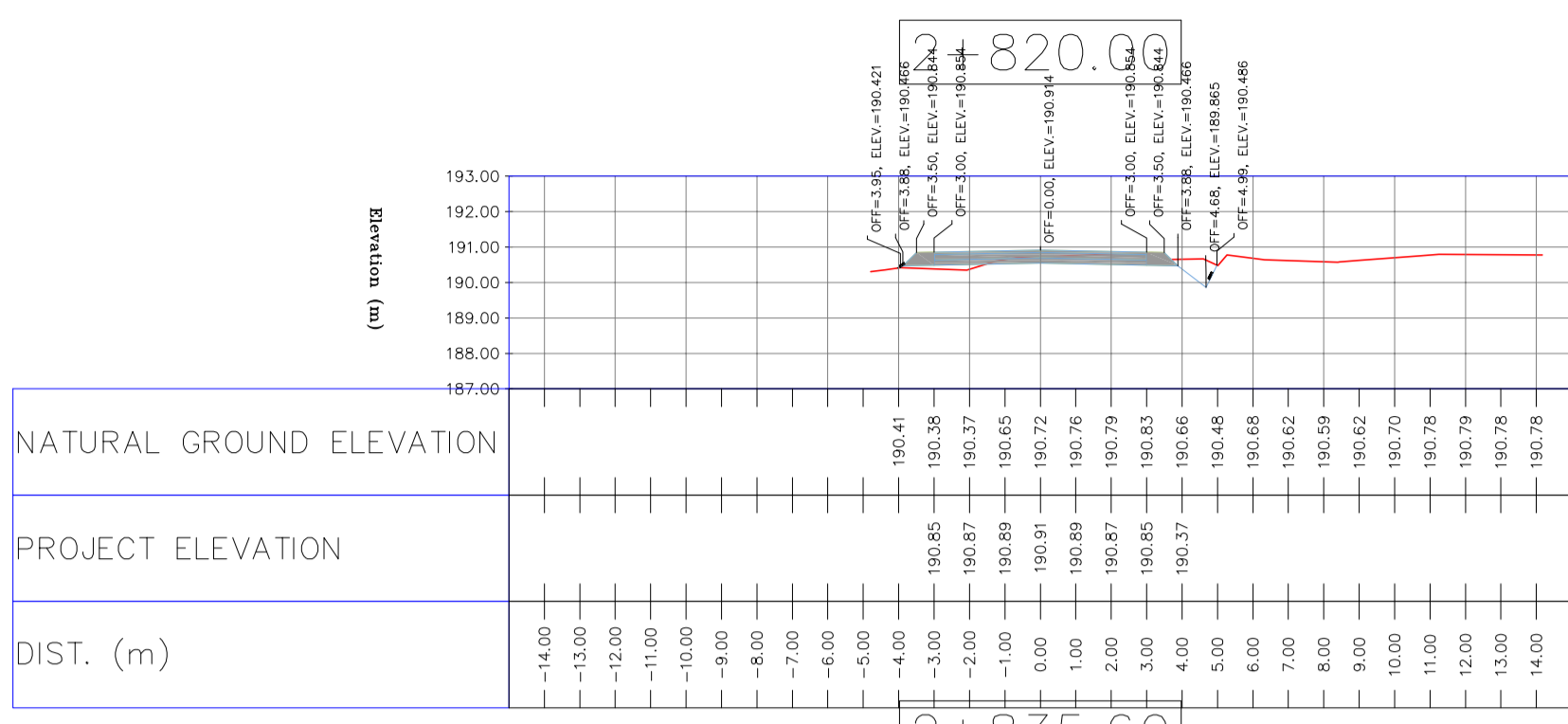


REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS PROJECT NO.: 971020 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED APPROVED FOR CONSTRUCTION BY: DATE: SCALE: H=1:200 V=1:200 A1 DRAWING NO. BK-BK14-PEDCO-110-CV-DW-0001 SHEET NO. 67 OF 101 REV. D03 BUDGET REF. 053-073-9184 LOCATION F SIZE 4 CLASS S SERIAL NO. 708209 SHEET 67 REVISION D03											

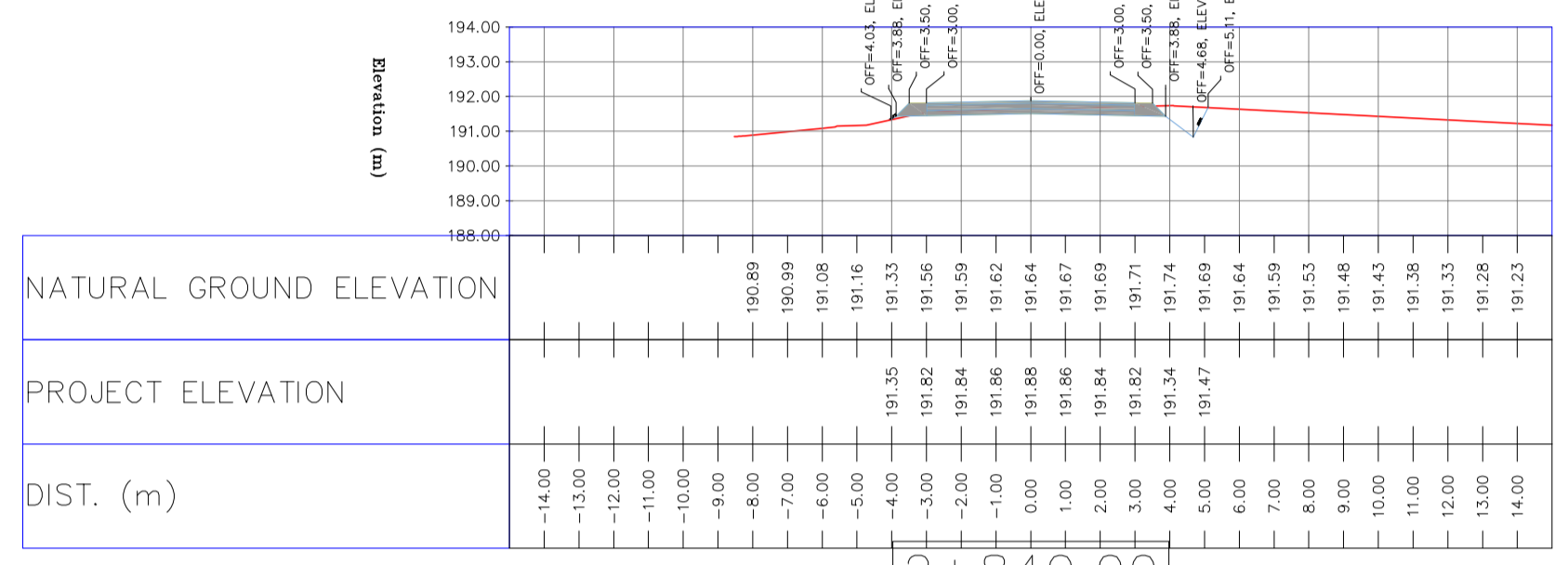
TOTALLY REVISED



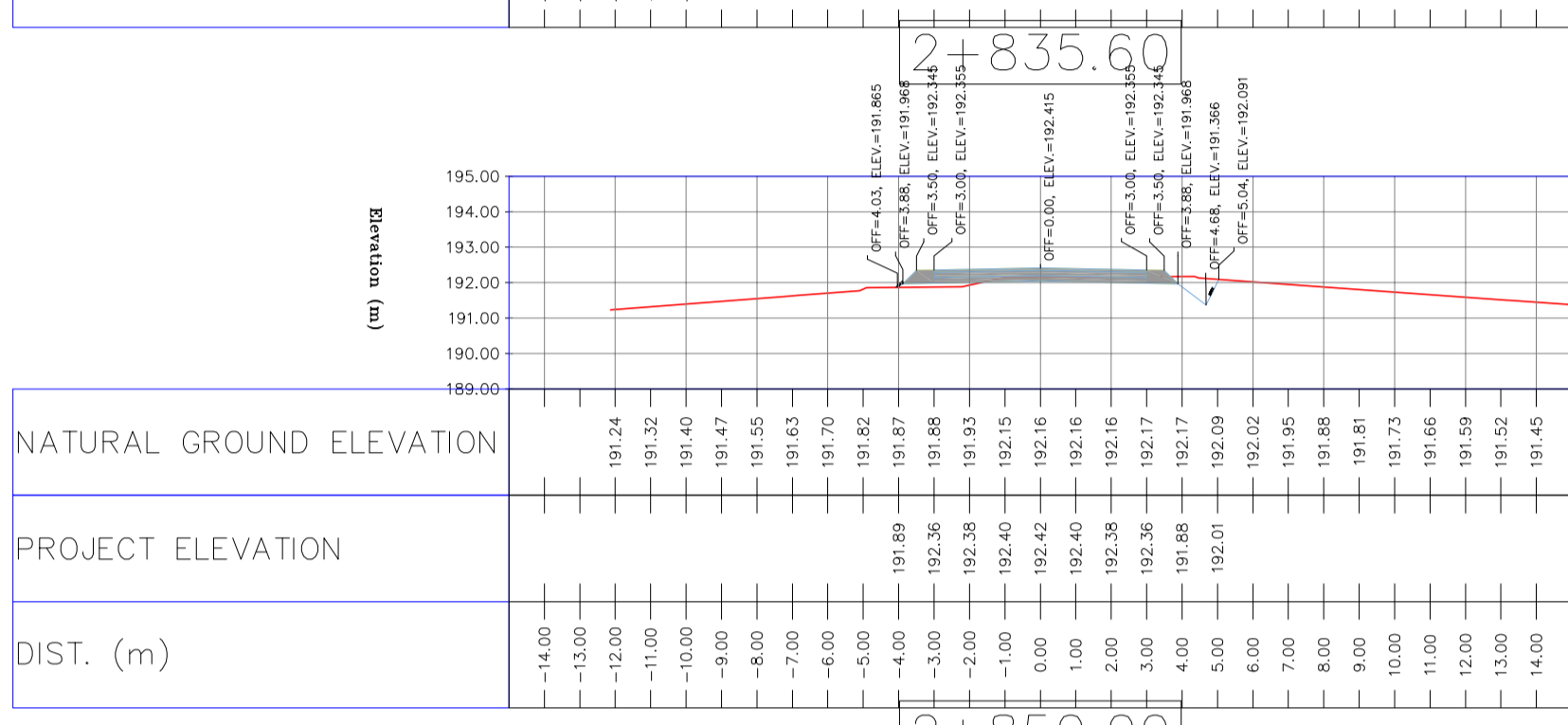
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PROJECT ELEVATION
DIST. (m)



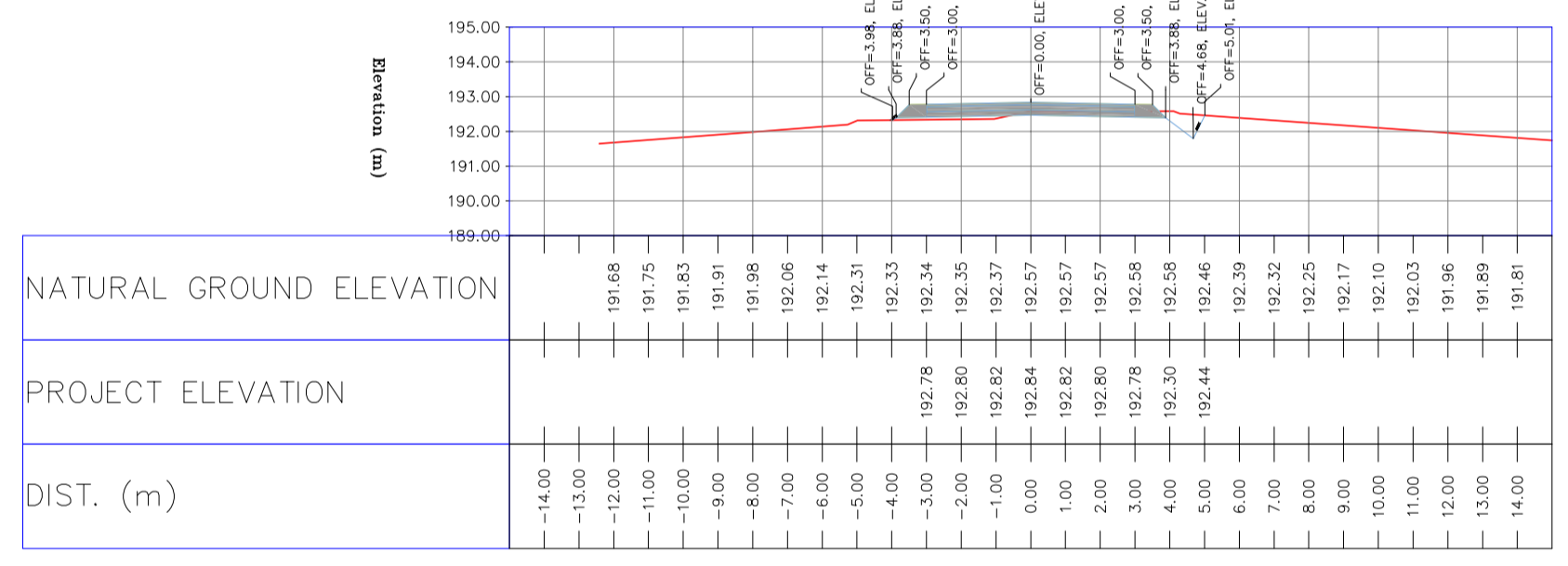
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DIST. (m)



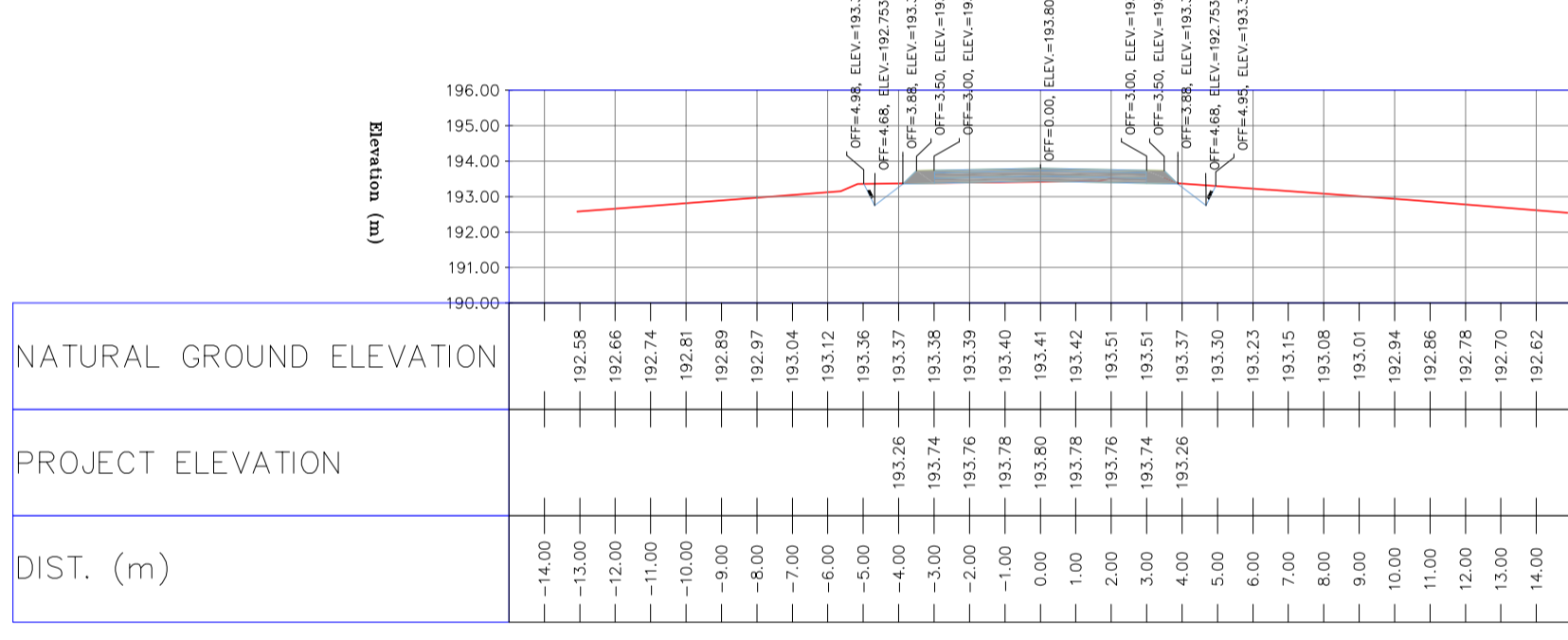
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PROJECT ELEVATION
DIST. (m)



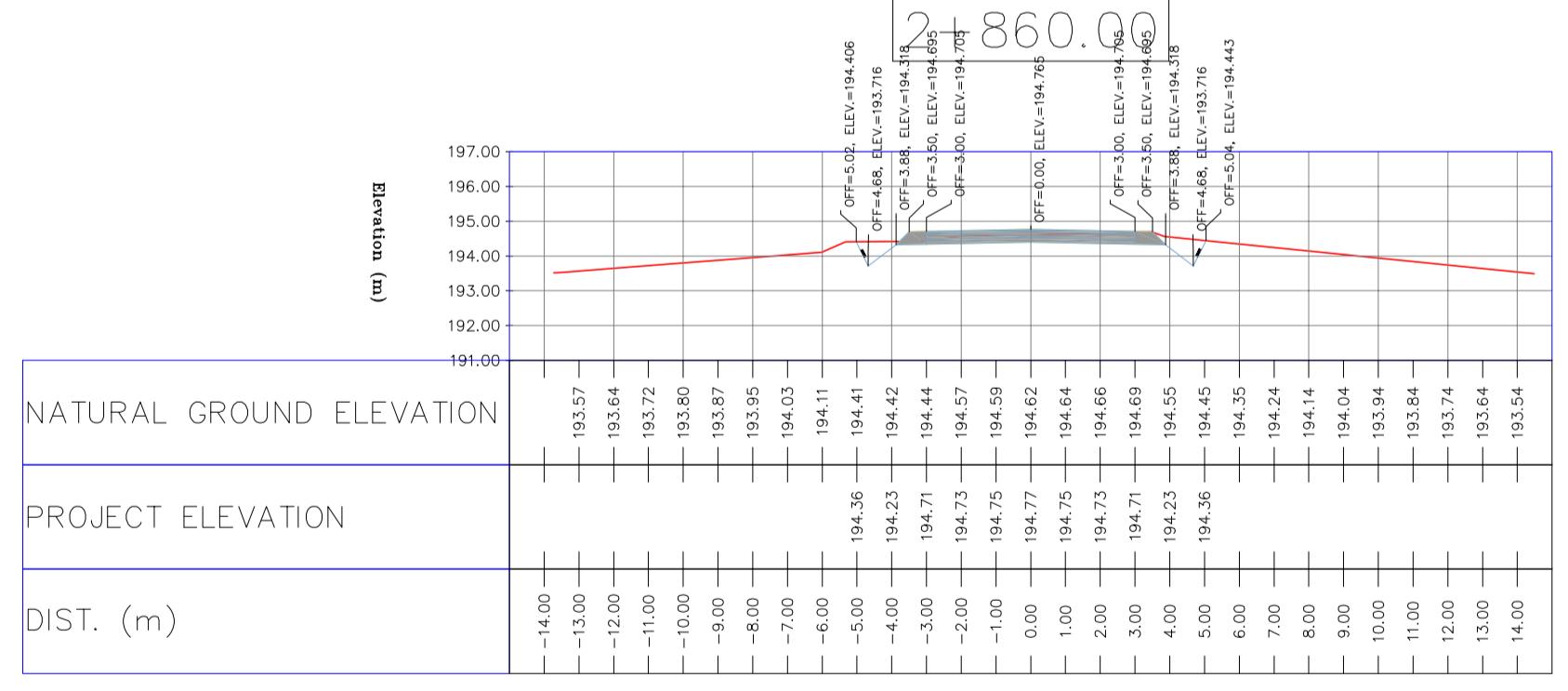
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PROJECT ELEVATION
DIST. (m)



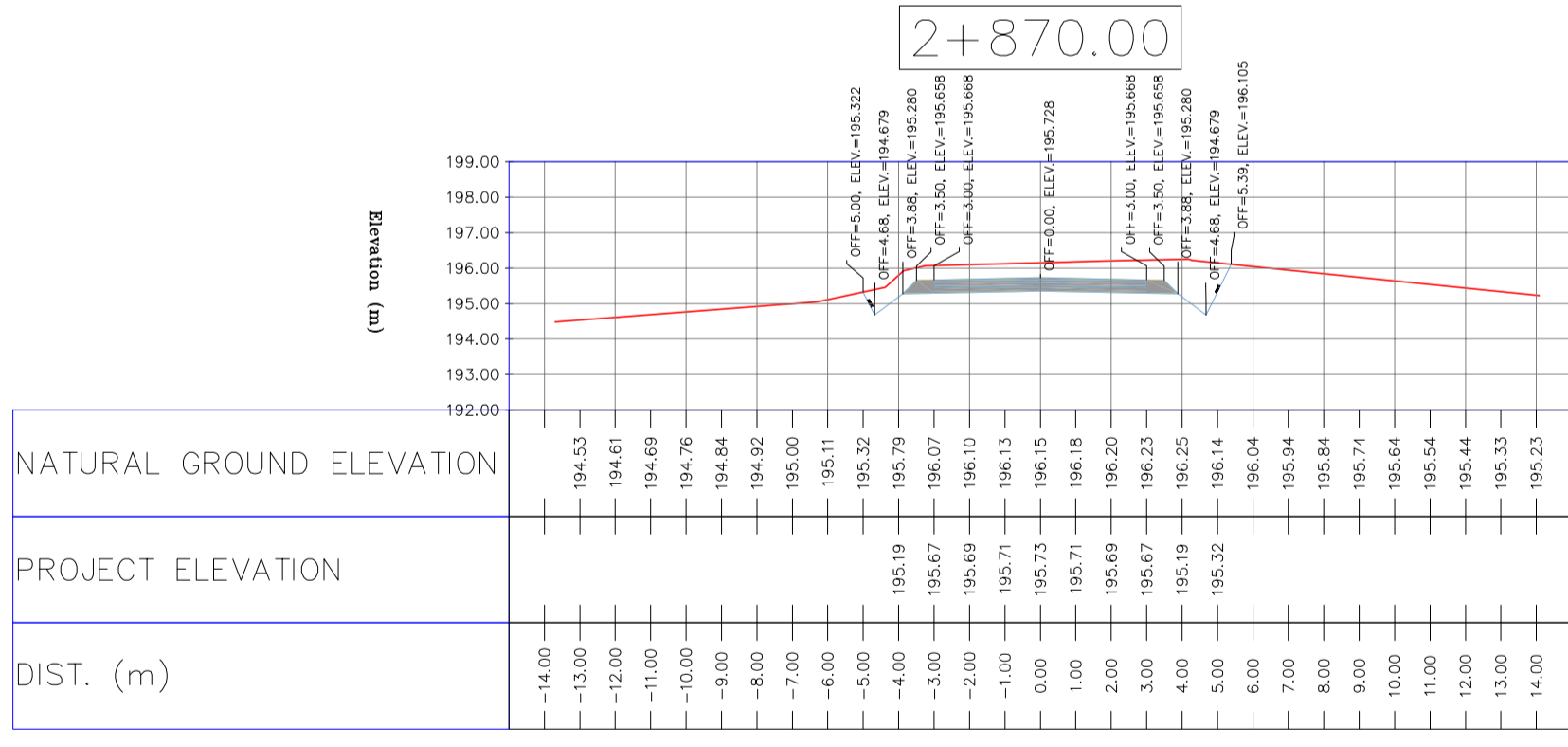
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DIST. (m)



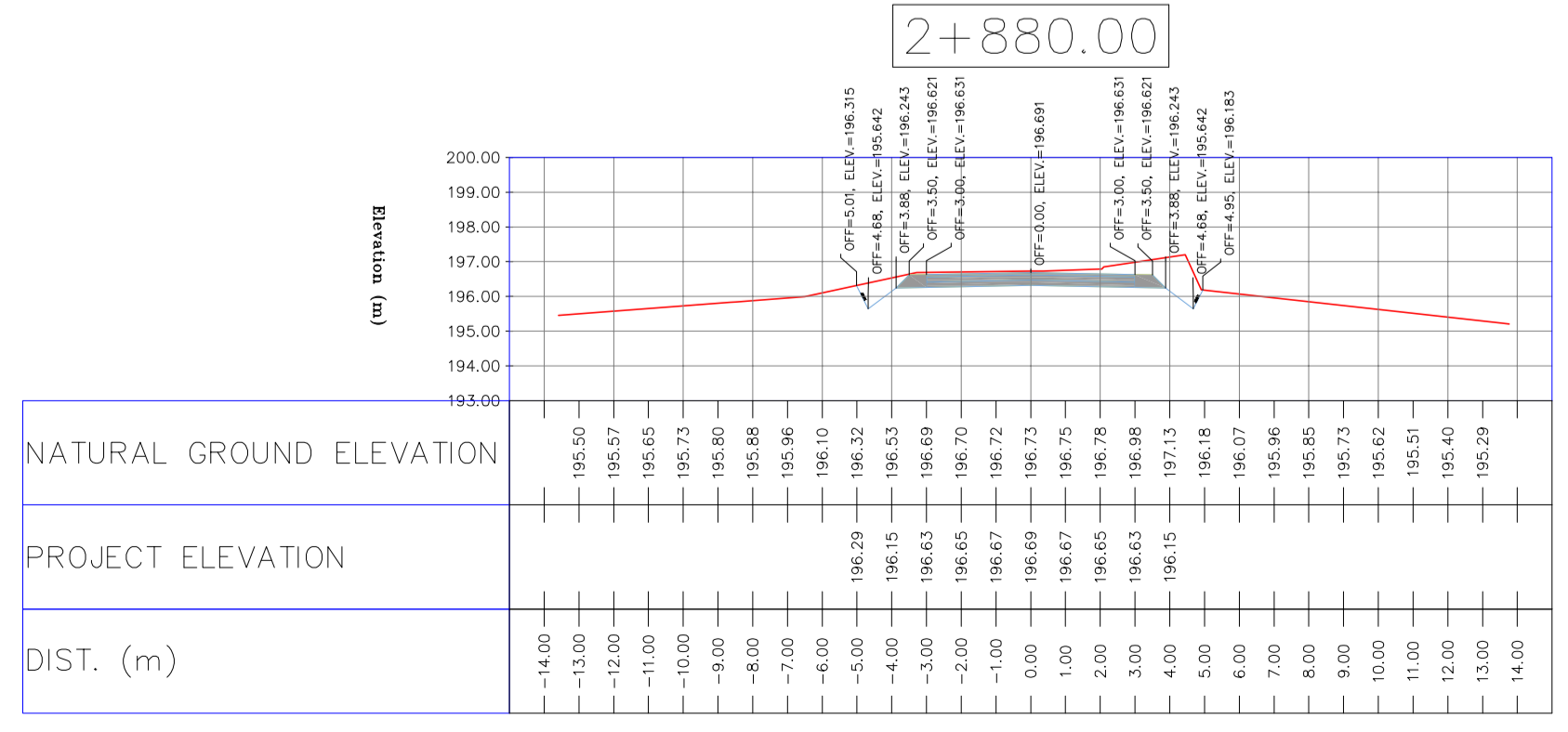
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PROJECT ELEVATION
DIST. (m)



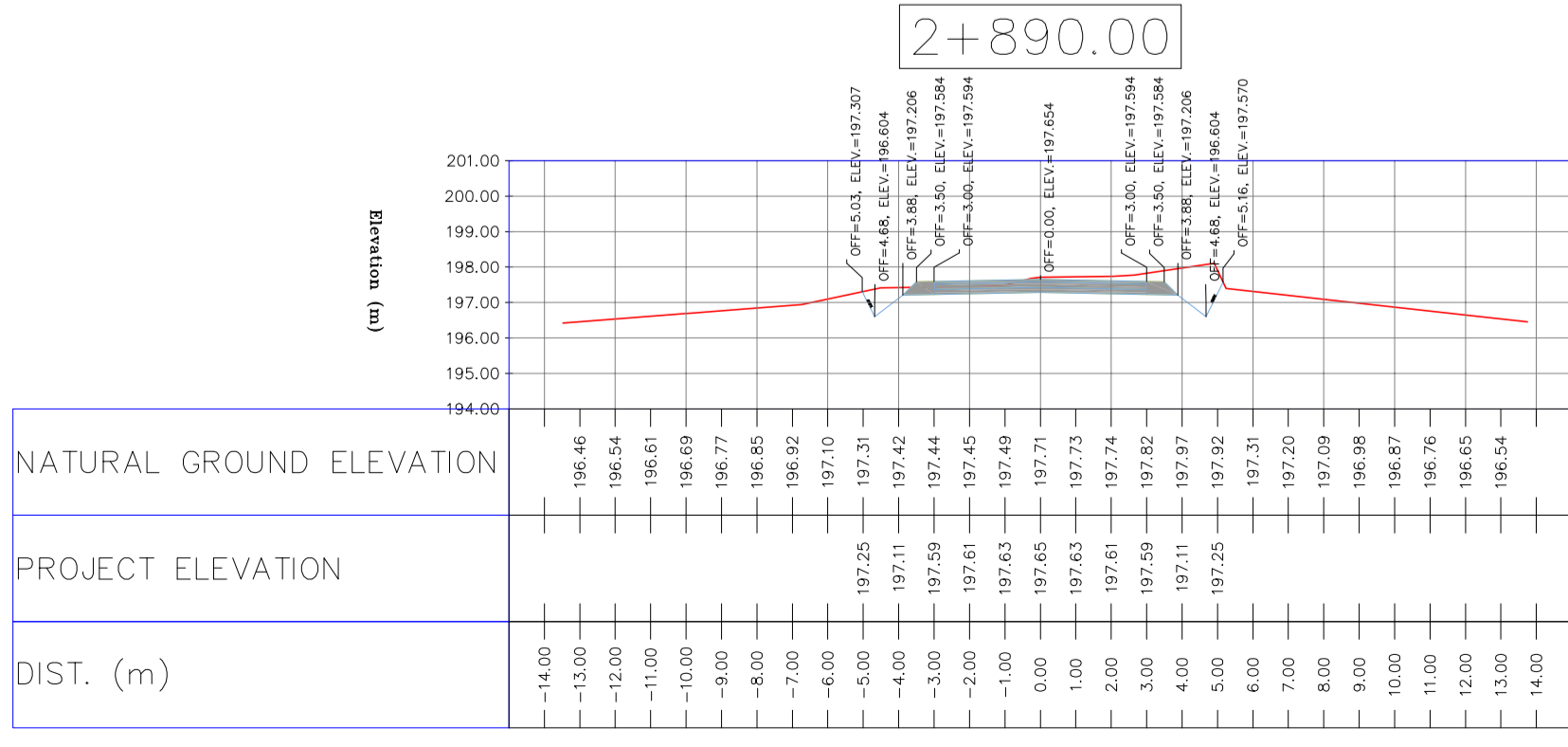
NATURAL GROUND ELEVATION
PROJECT ELEVATION
DIST. (m)



NATURAL GROUND ELEVATION
PROJECT ELEVATION
DIST. (m)



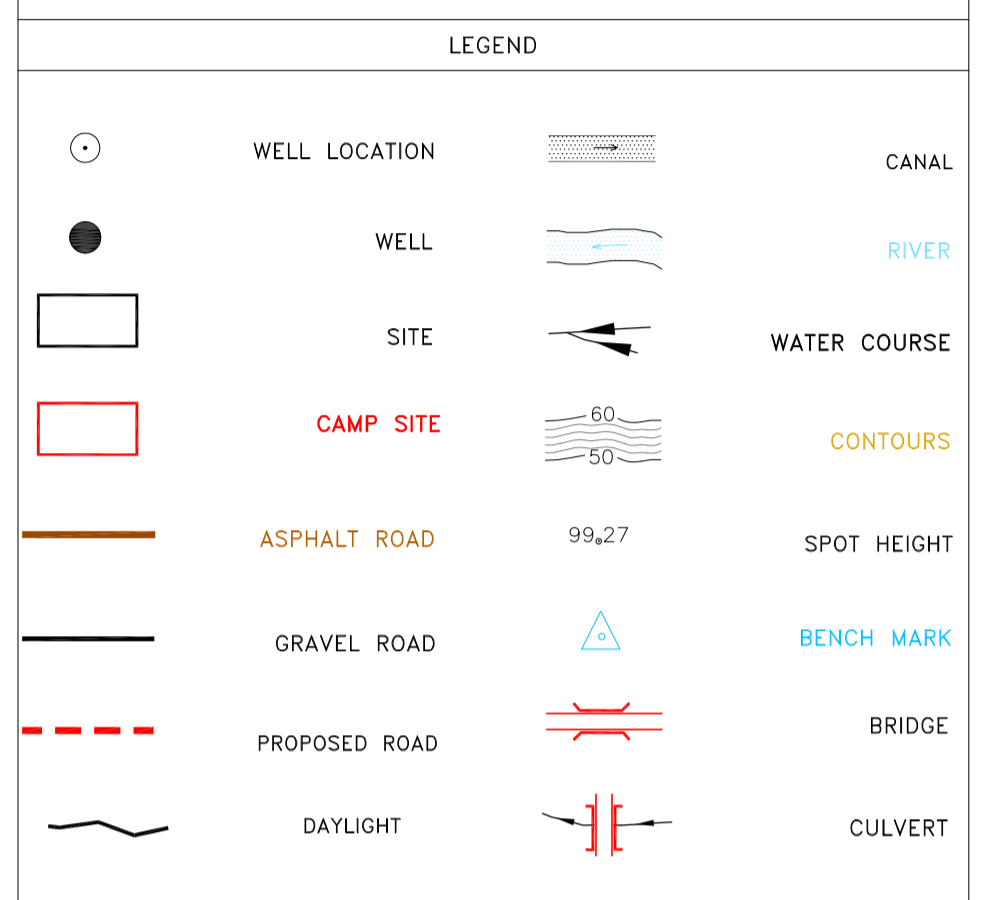
NATURAL GROUND ELEVATION
PROJECT ELEVATION
DIST. (m)



NATURAL GROUND ELEVATION
PROJECT ELEVATION
DIST. (m)

NOTES

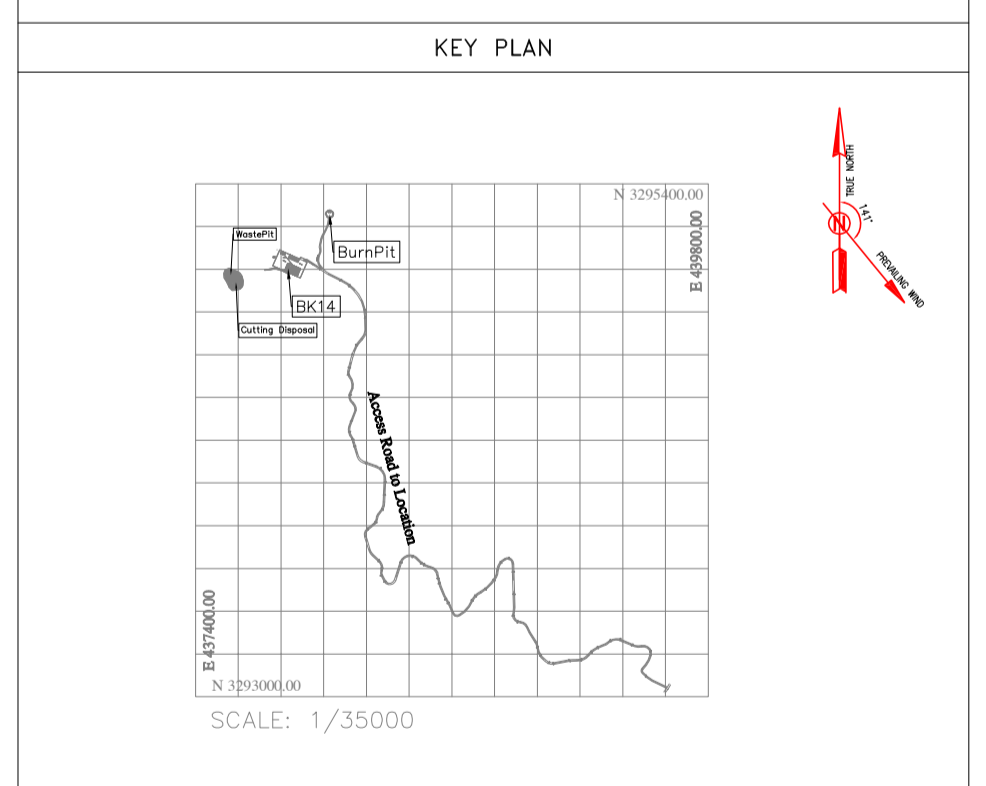
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODETTIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID : WORLD GEODETTIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
- 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-GNRL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN,...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.



REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGN OF VERTICAL CURVE STATION
 BVCE= BEGN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



TOTALLY REVISED

D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	**

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
REV.	DESCRIPTION	BY	DATE	BY	DATE	BY

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

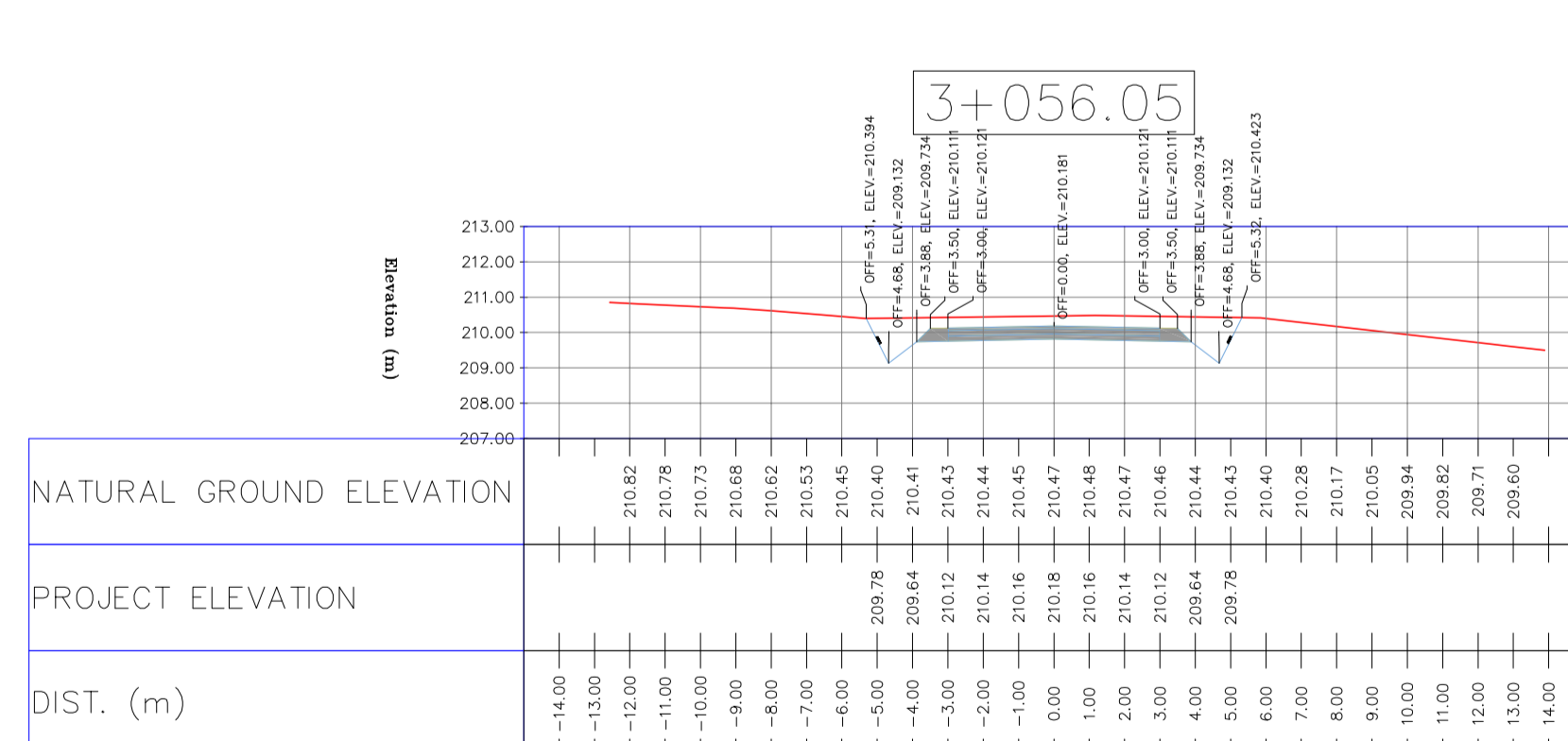
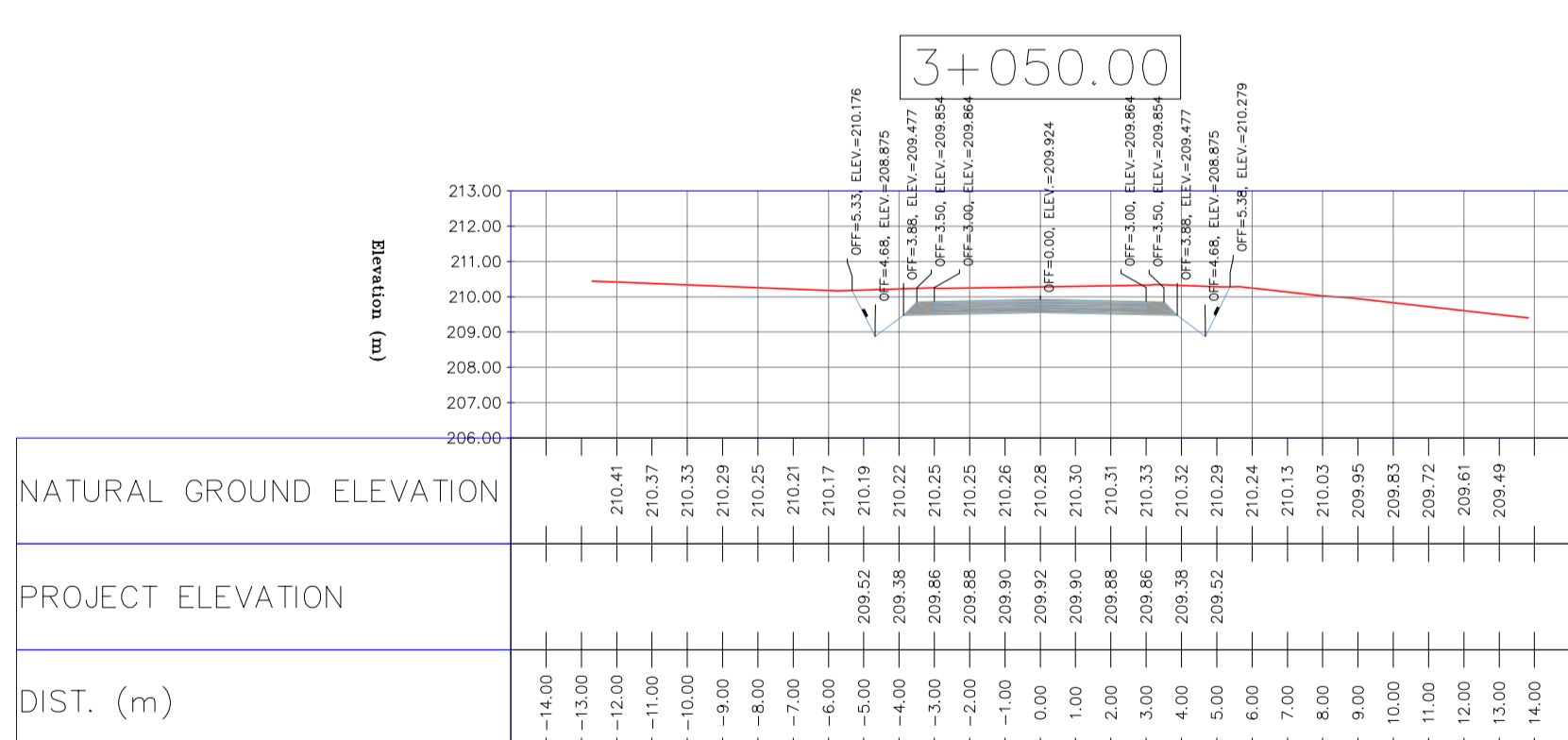
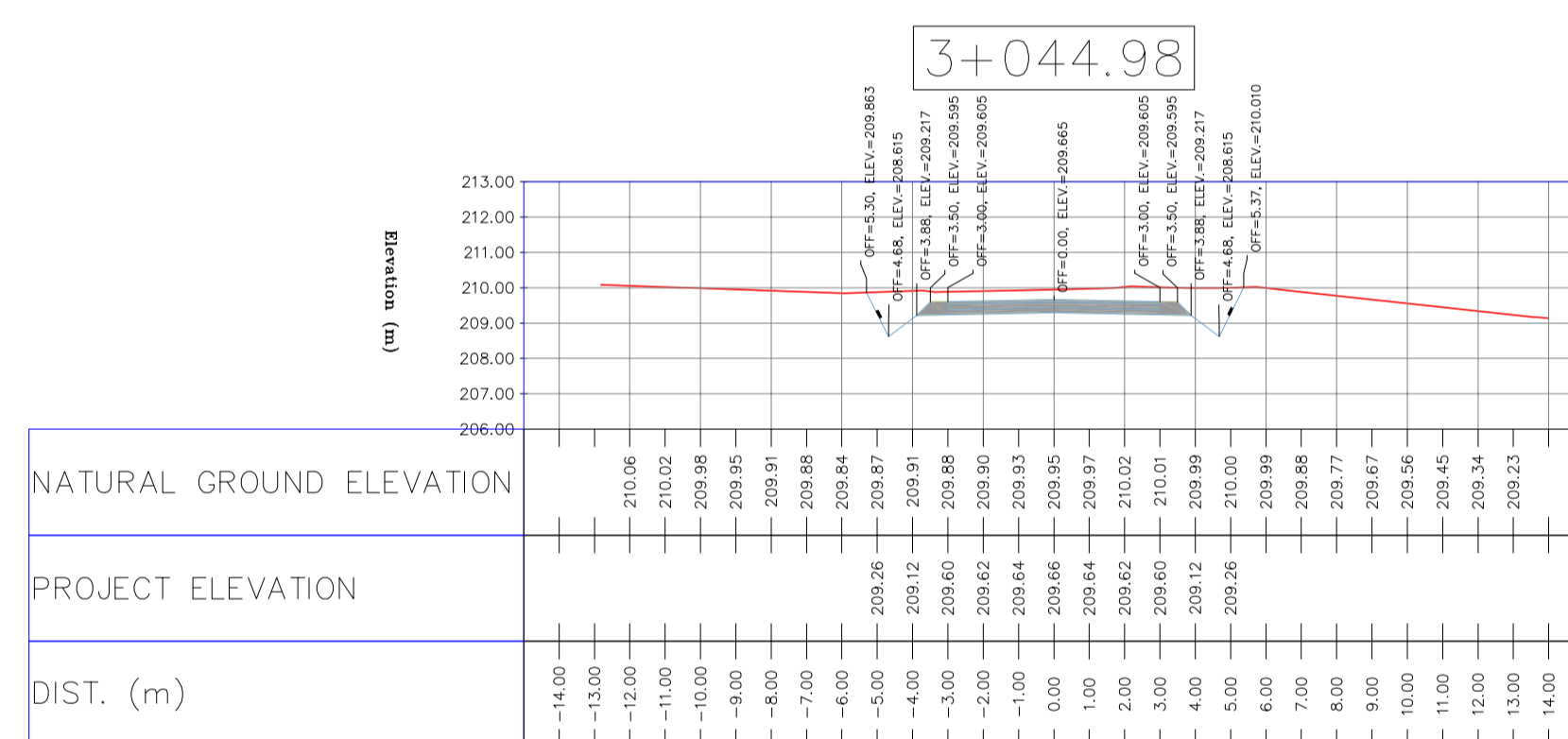
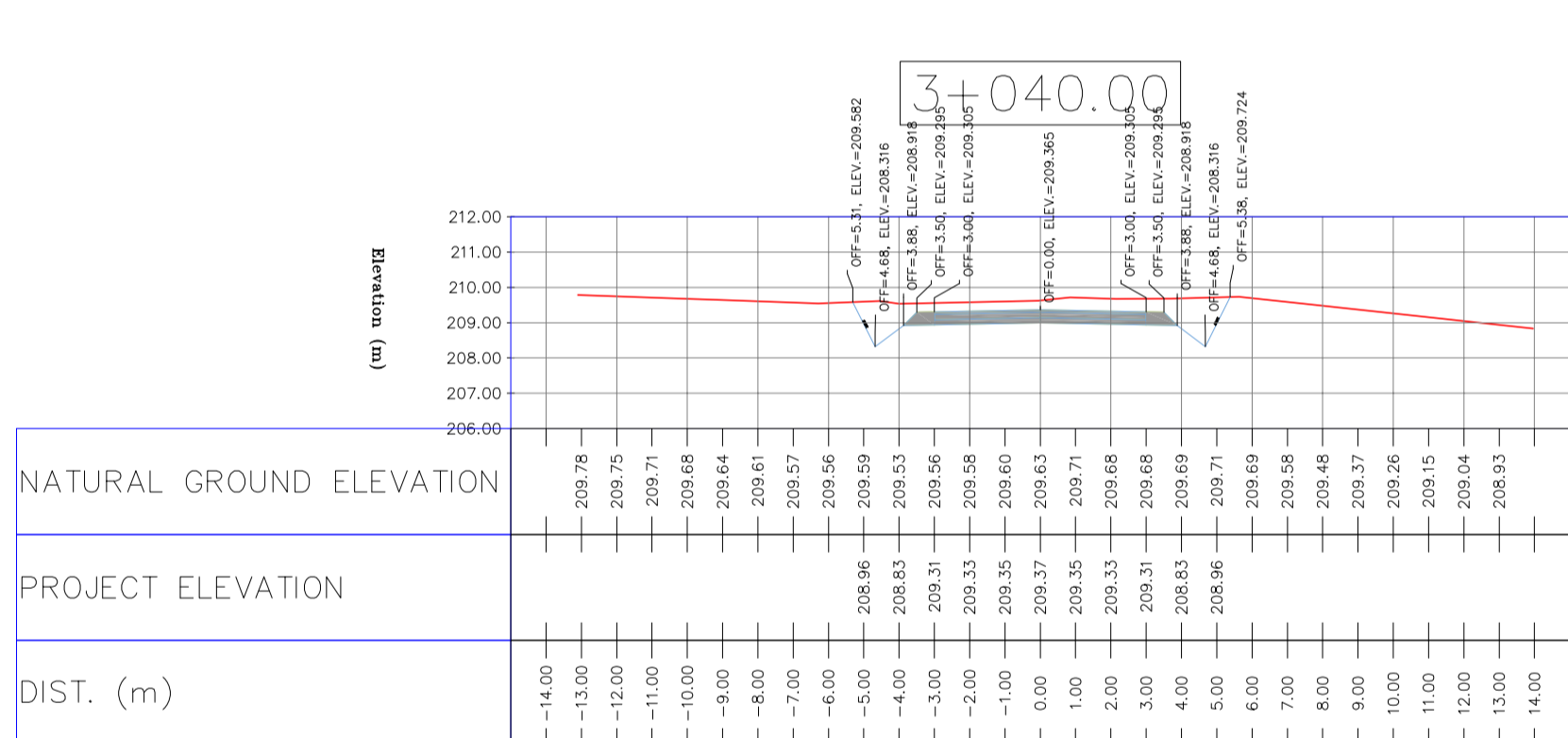
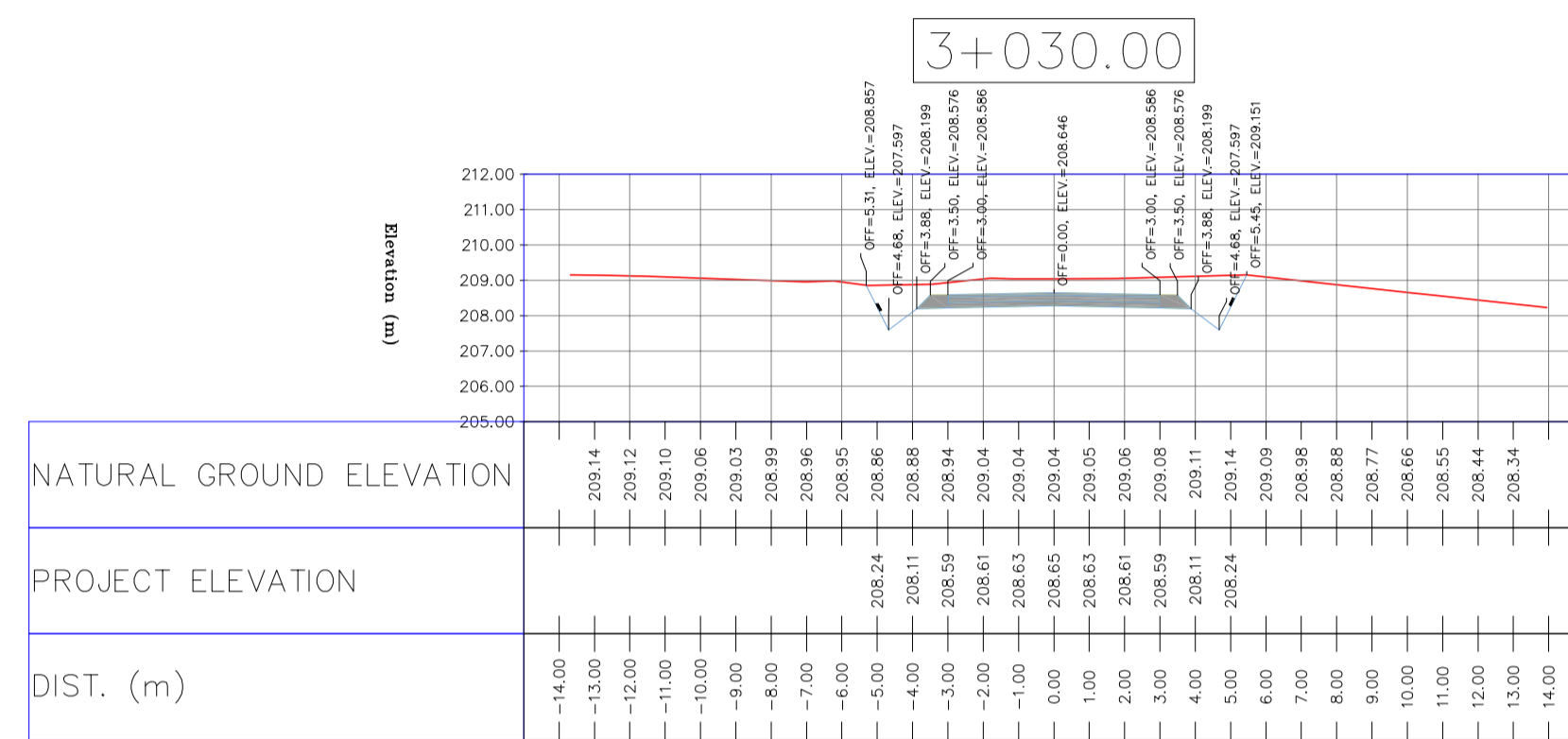
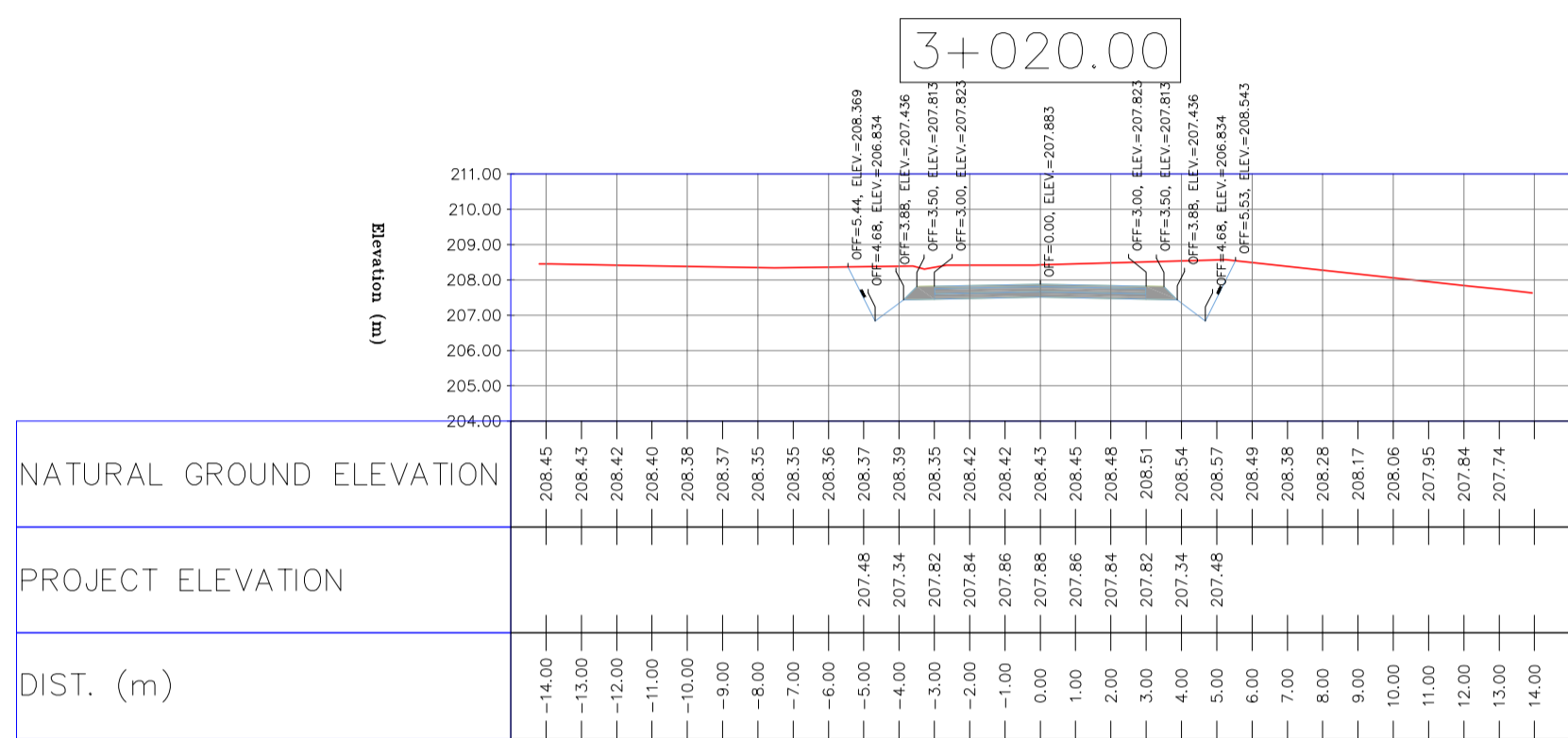
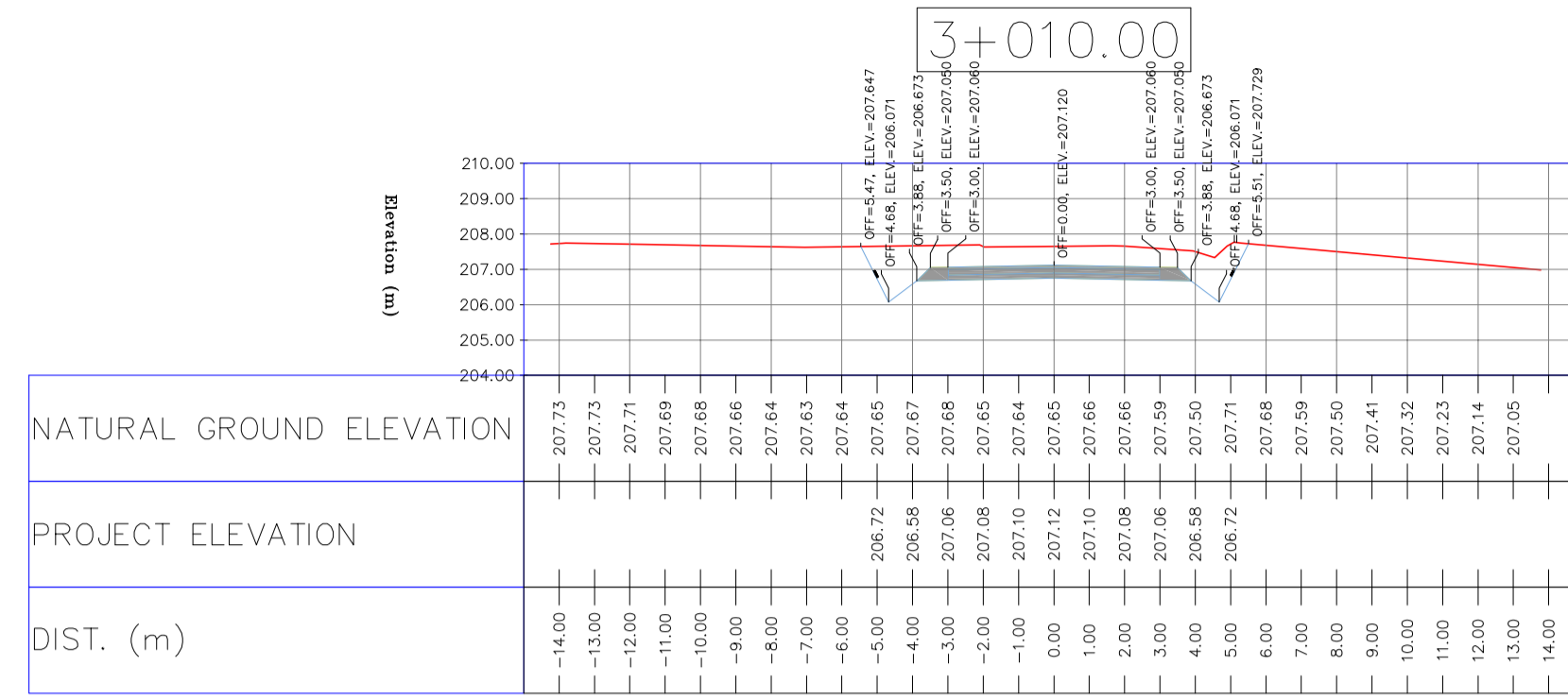
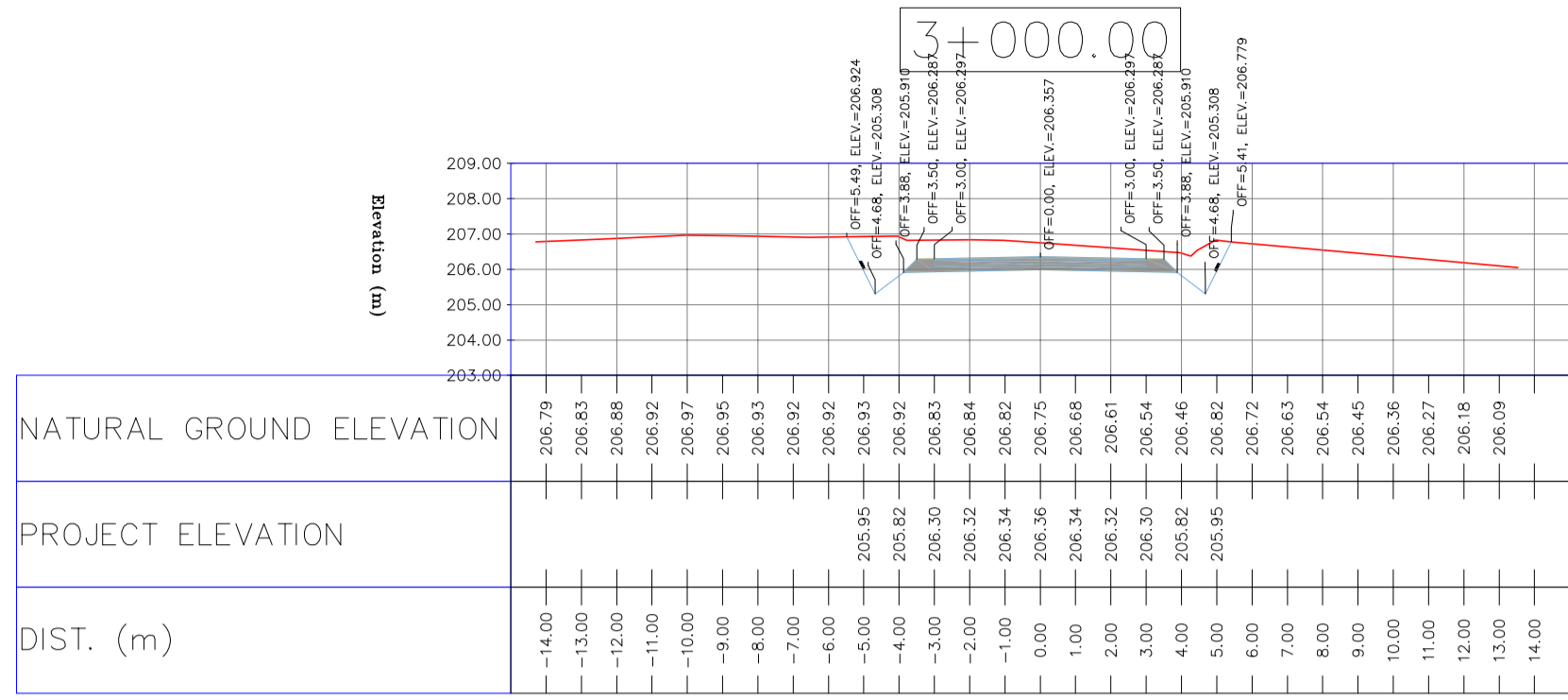
PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.		
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED						
APPROVED FOR CONSTRUCTION		BY:	DATE:			
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	73	D03



NOTES

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 VERTICAL DATUM: MSL
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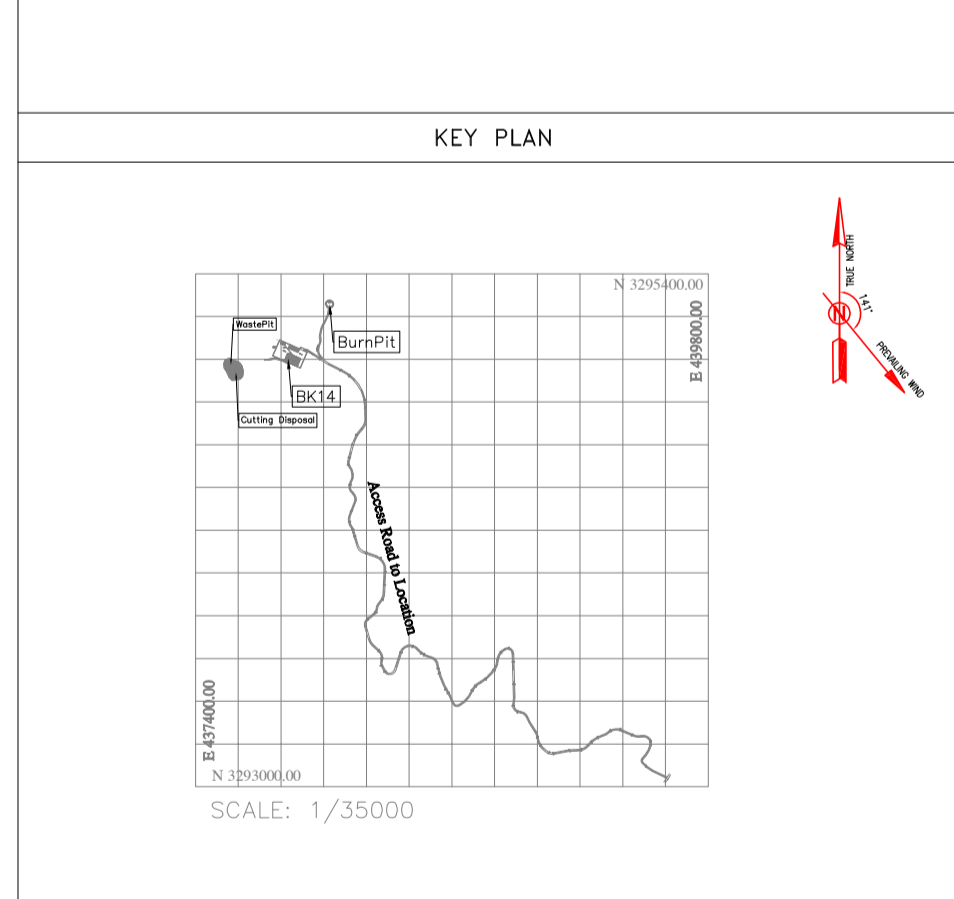
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

این سند و کلیه نسخه های آن متعلق به شرکت ملی نفت خیز جنوب میباشد.
 THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR:

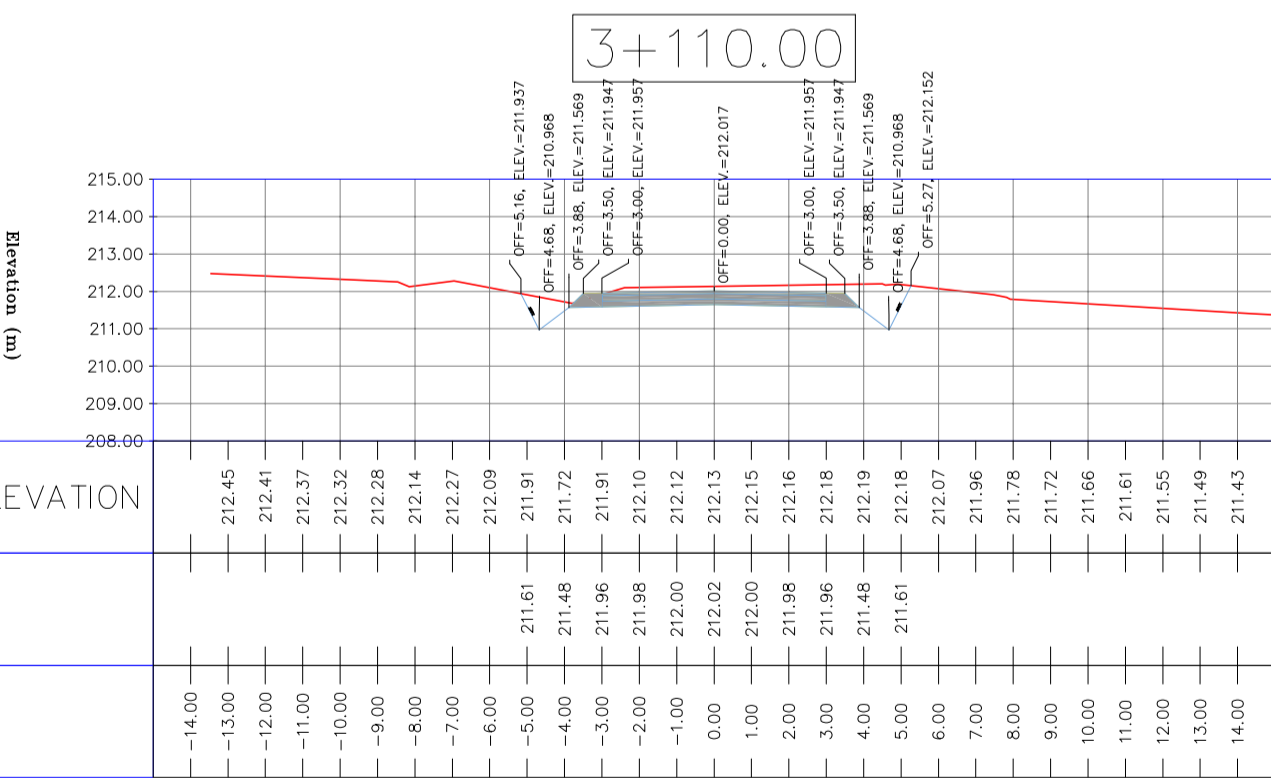
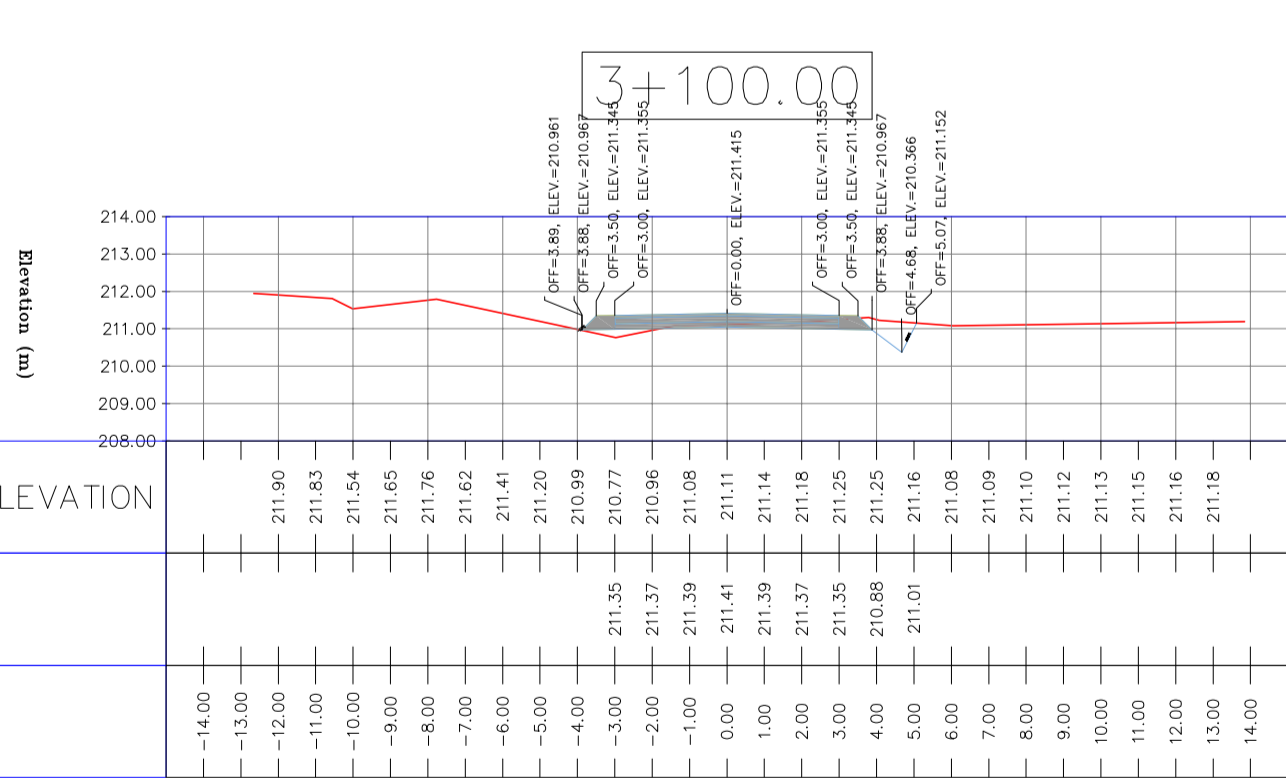
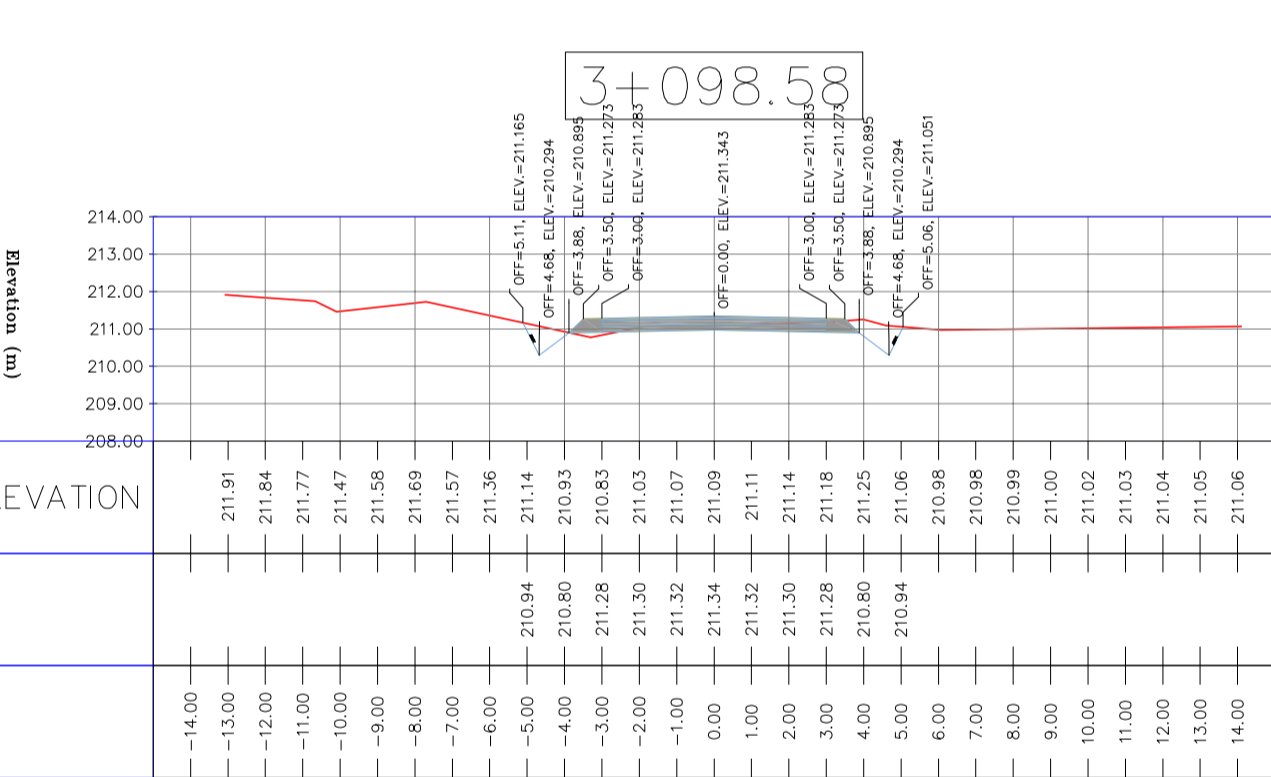
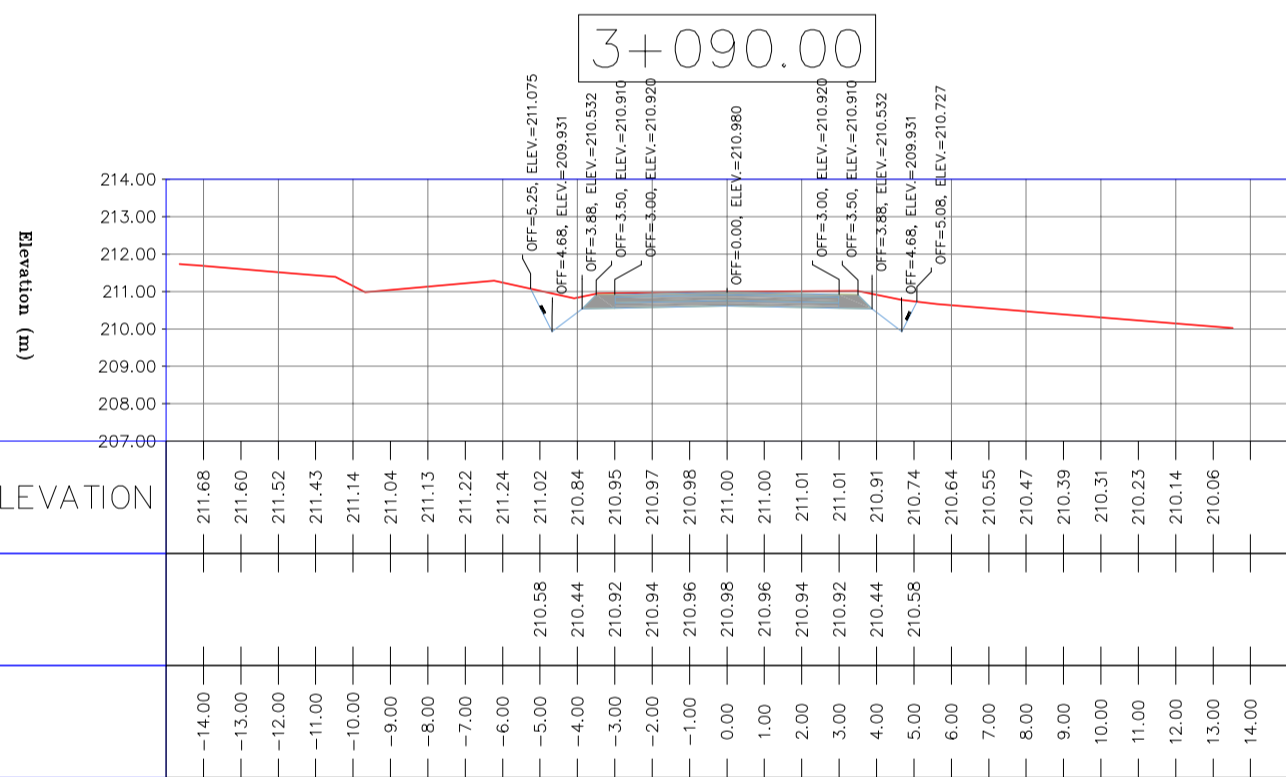
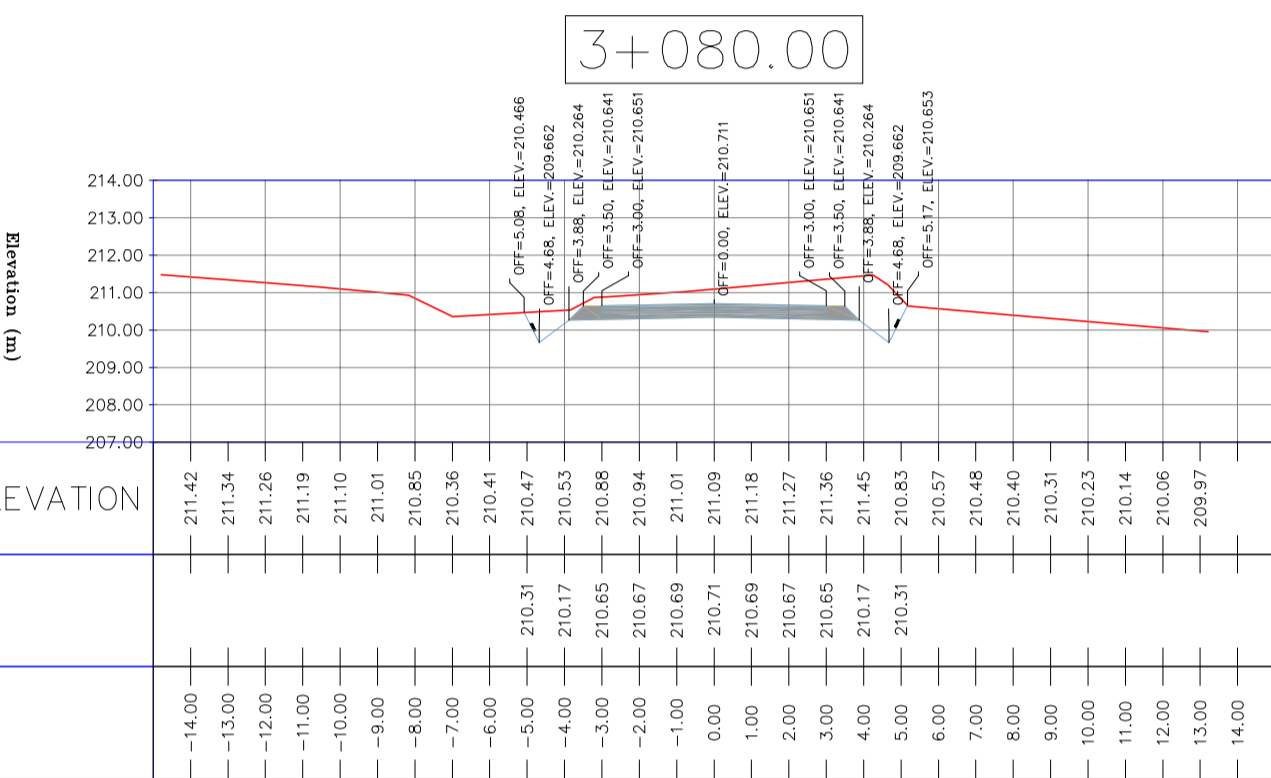
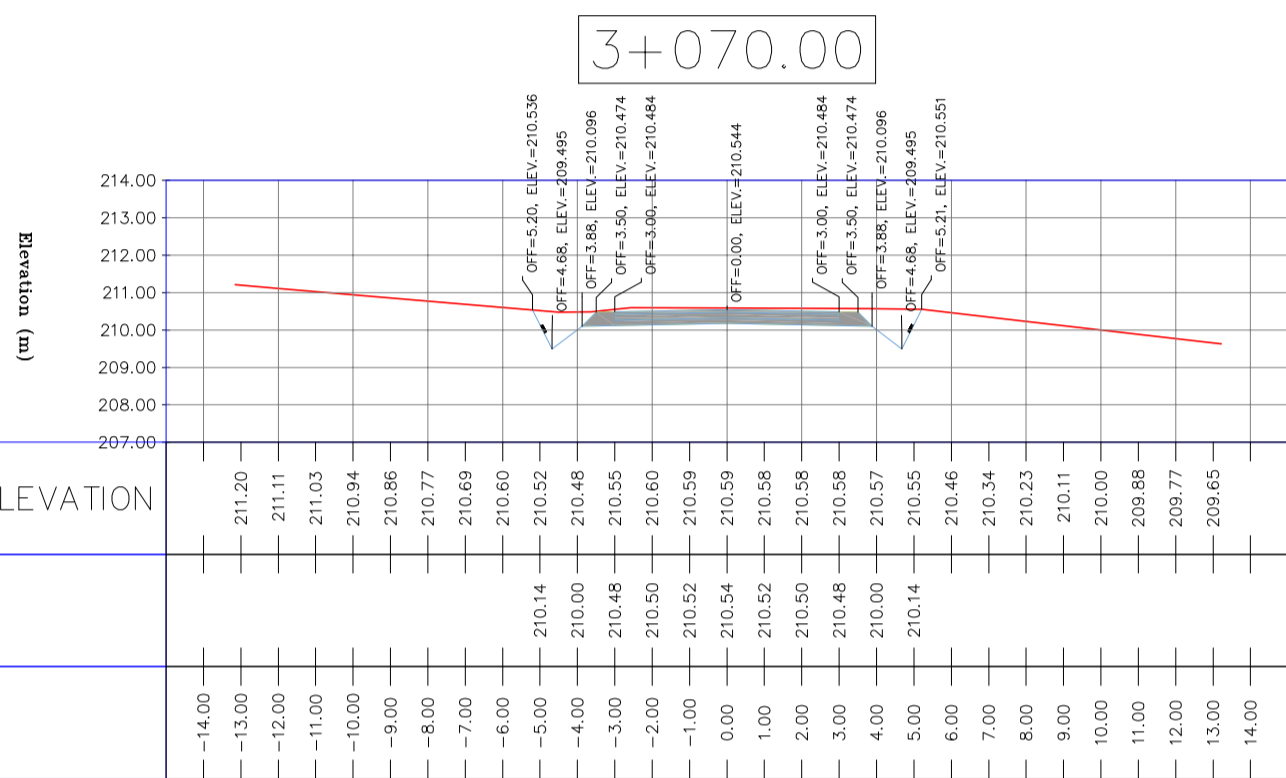
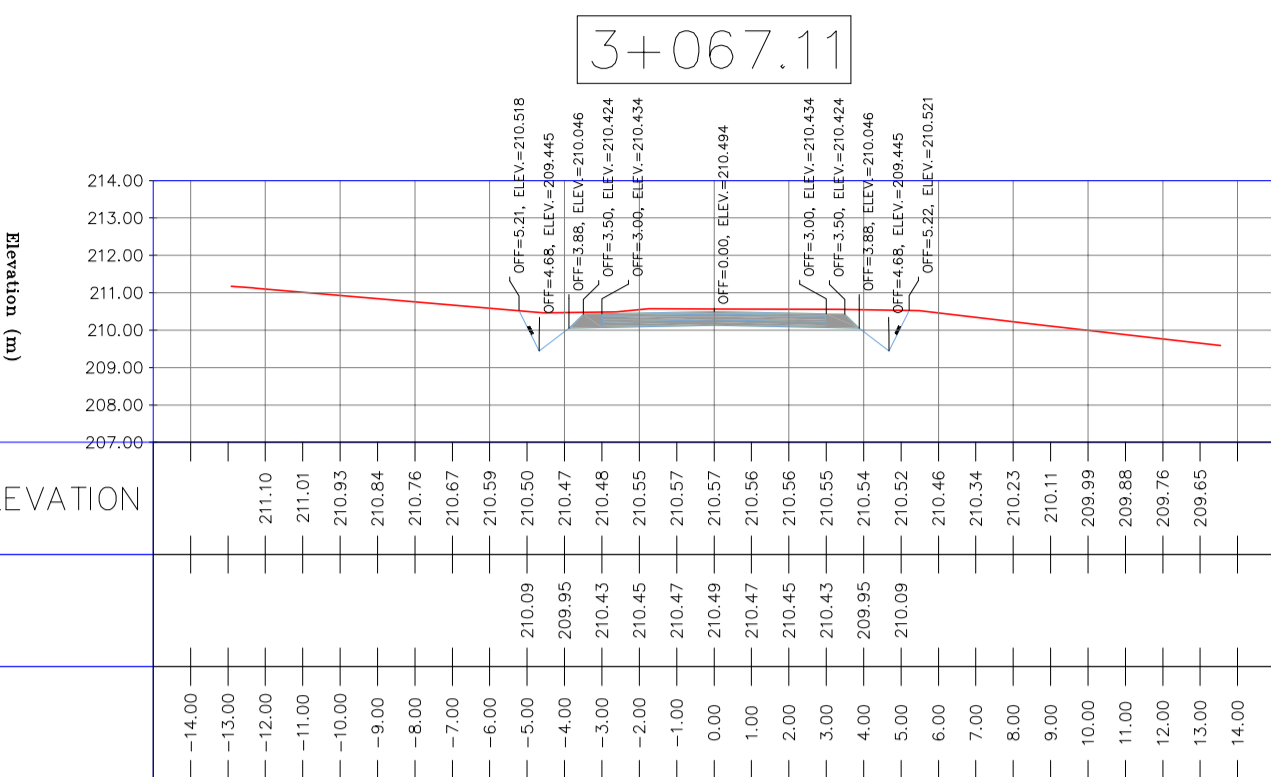
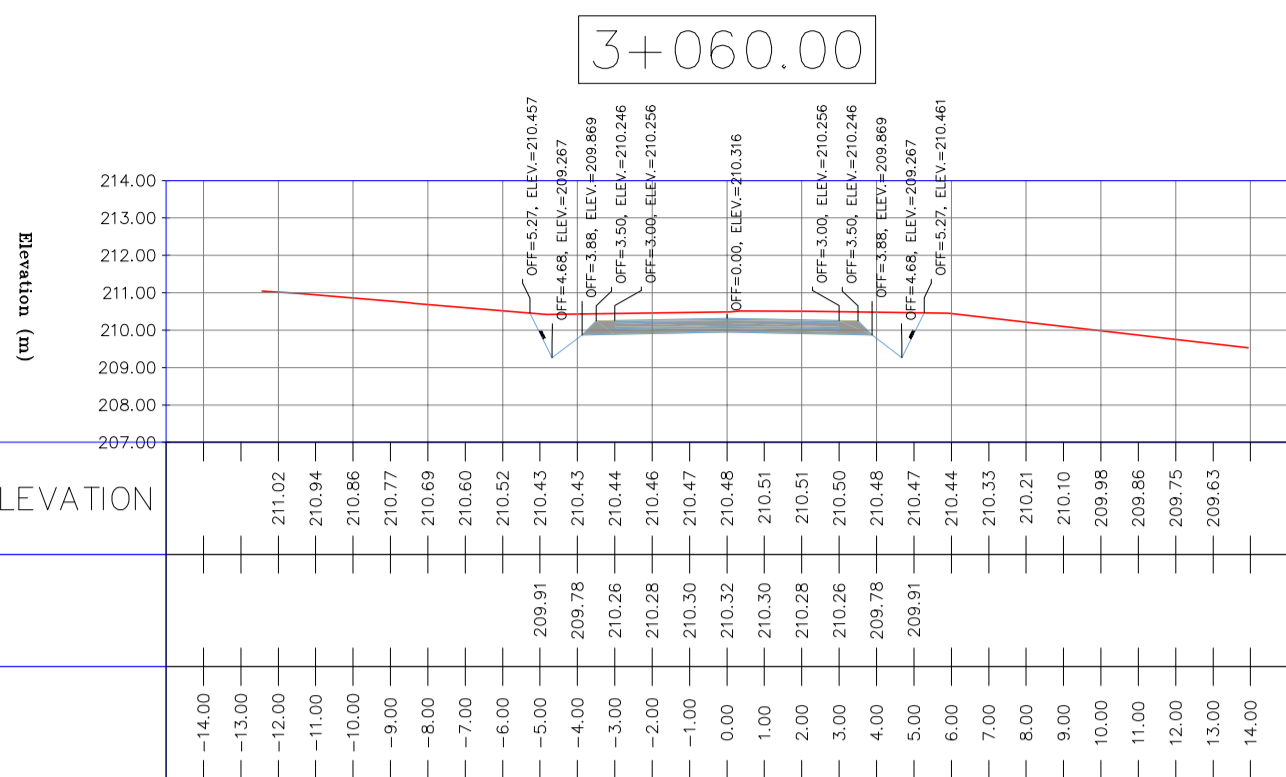
EPD/EPC CONTRACTOR(GC):

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	75 OF 101	D03	053-073-9184	F	4	S	708209	75	D03

TOTALLY REVISED



NOTES

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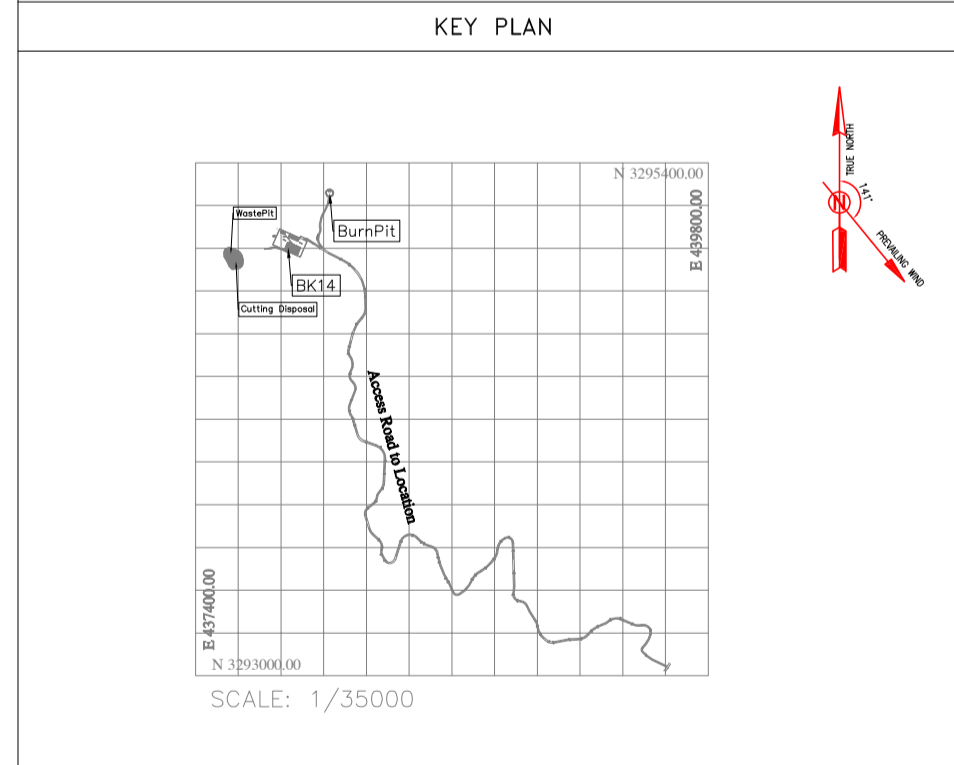
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
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ABBREVIATION

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D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***								
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***	*****	*****	*****	*****				
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***								
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***								
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	CHECKED				REV. APPR.			

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

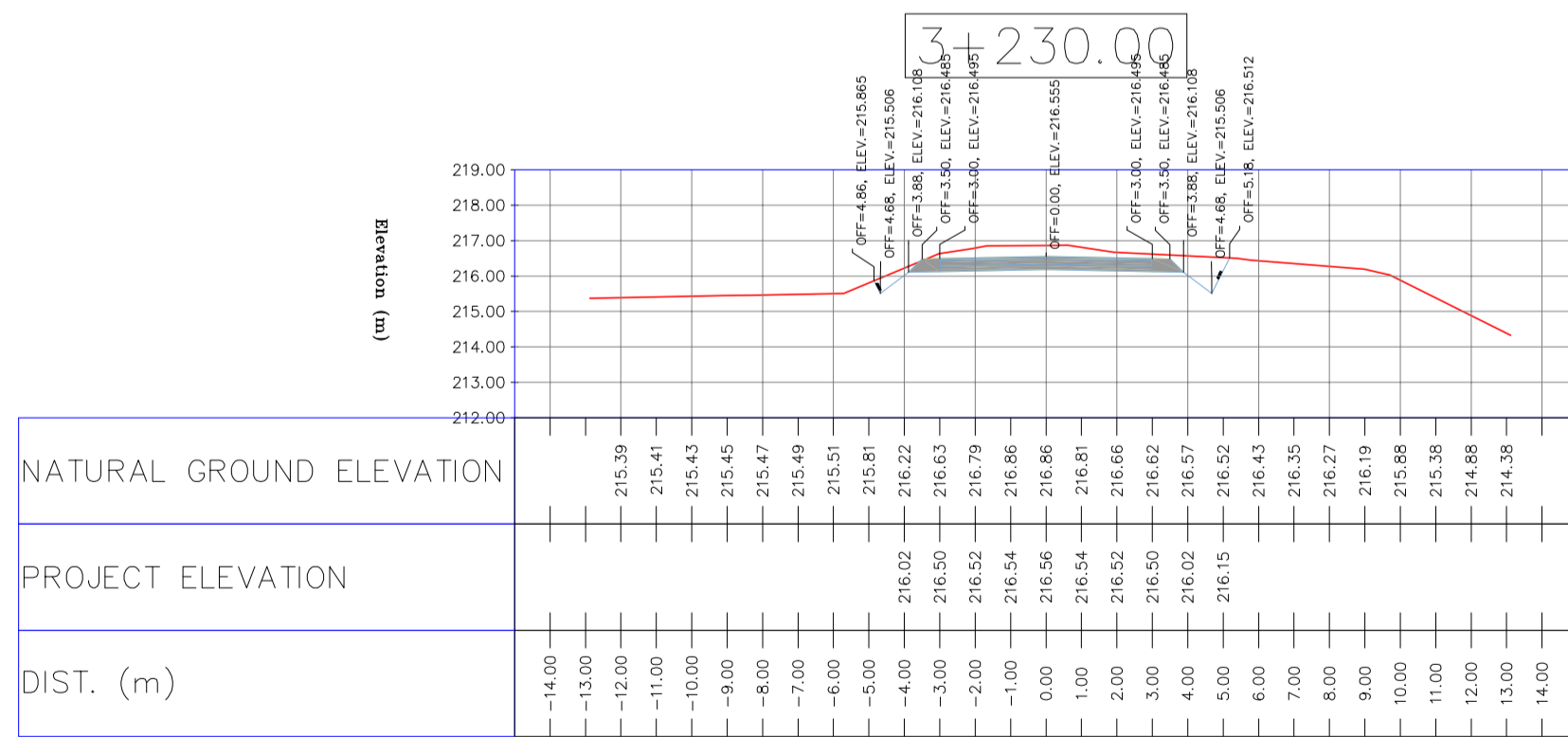
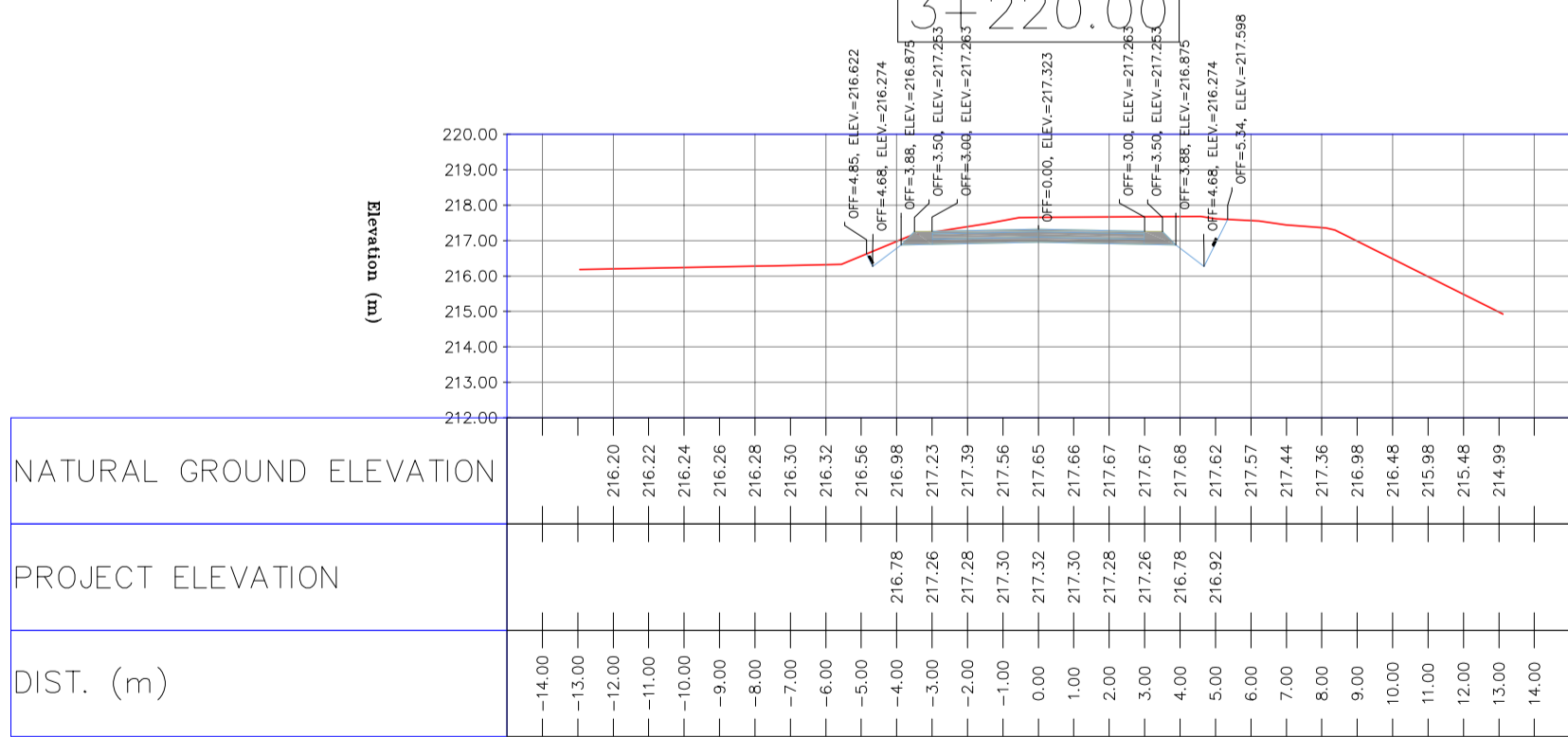
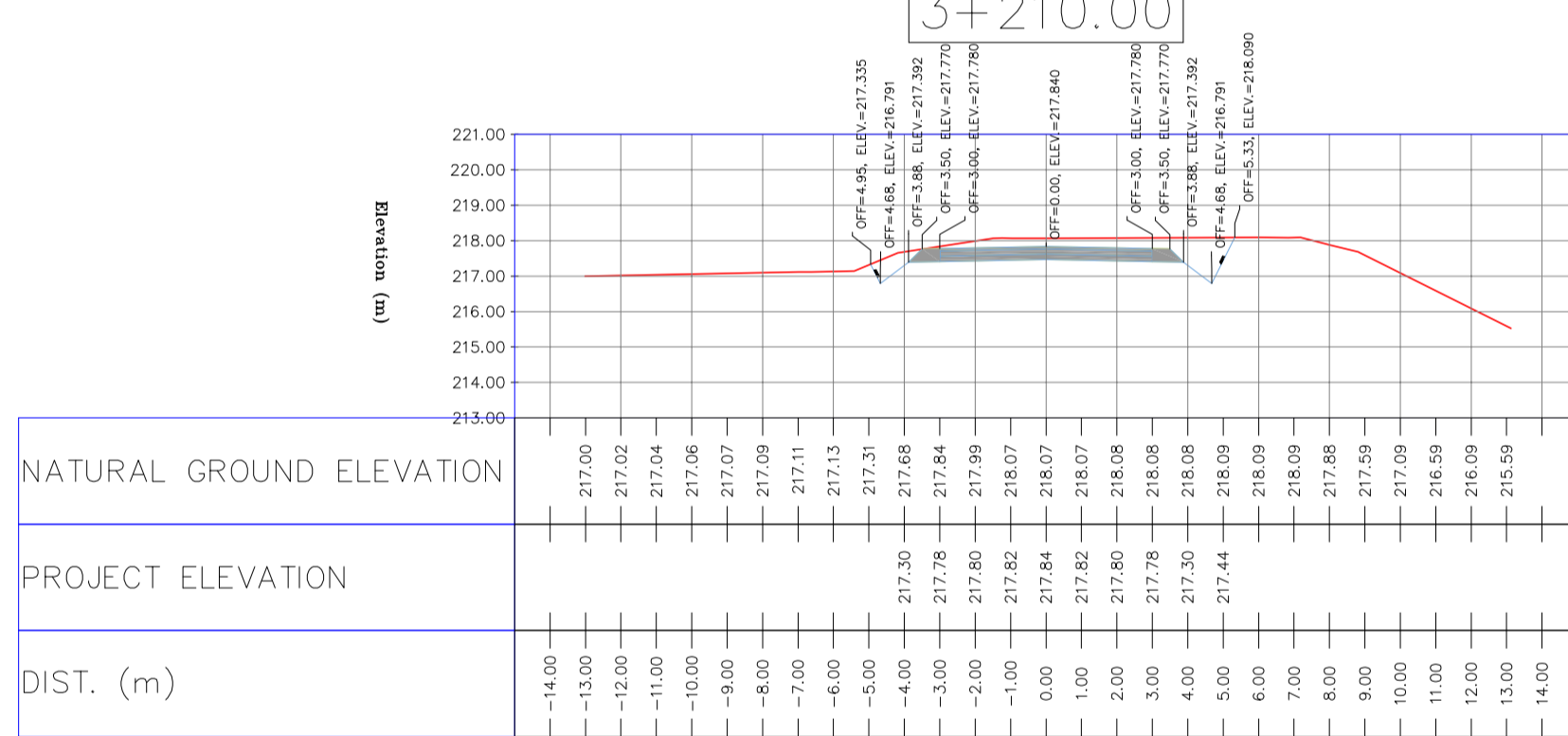
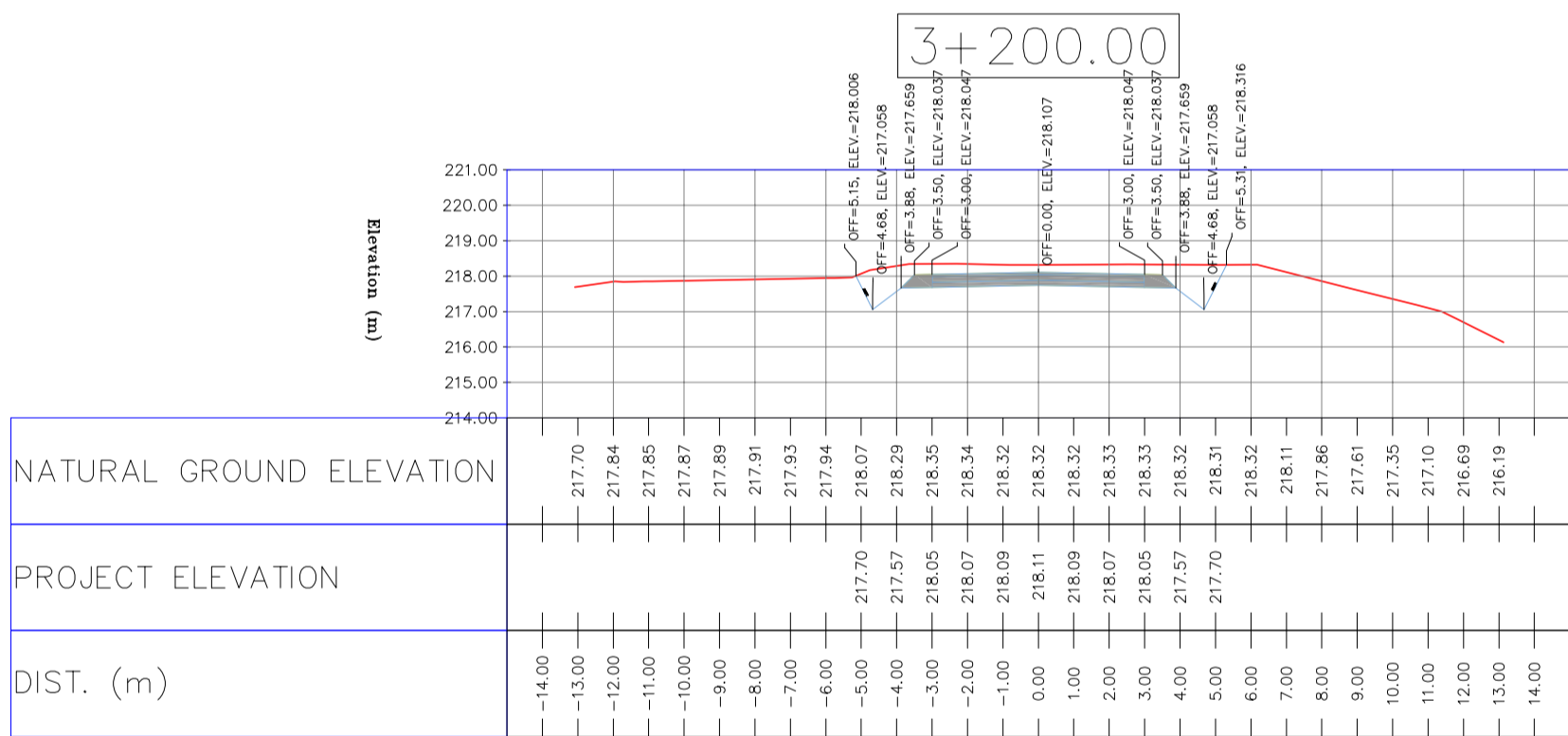
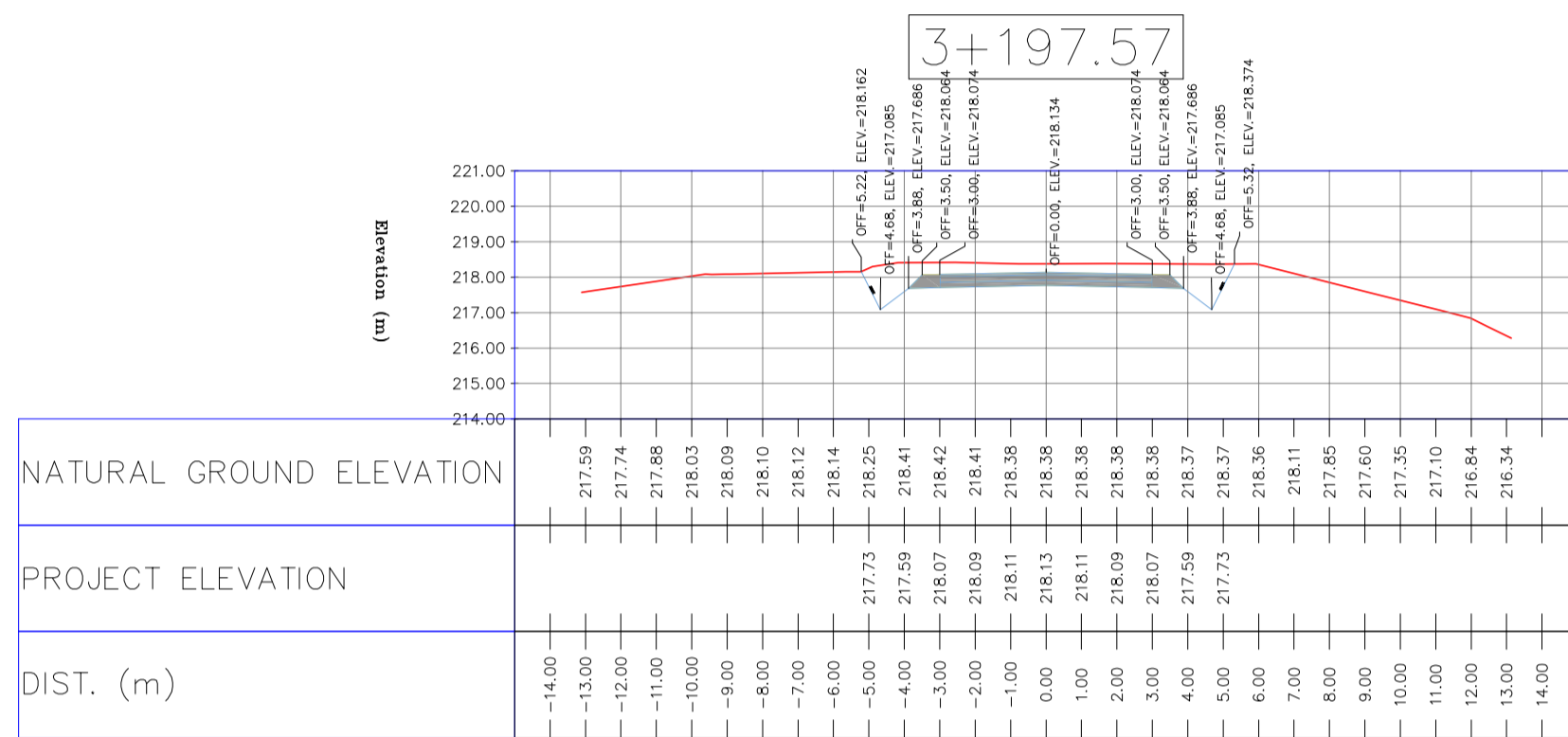
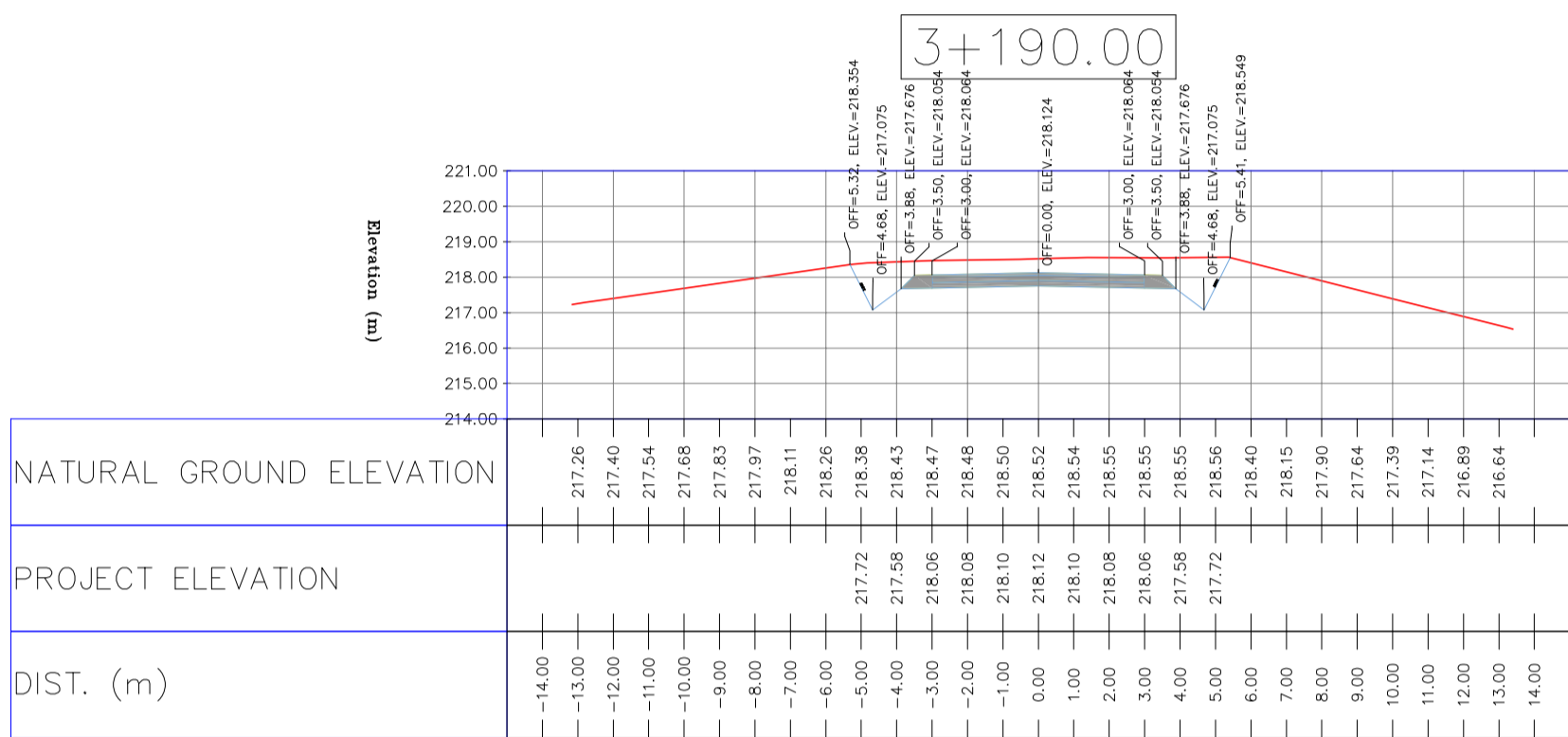
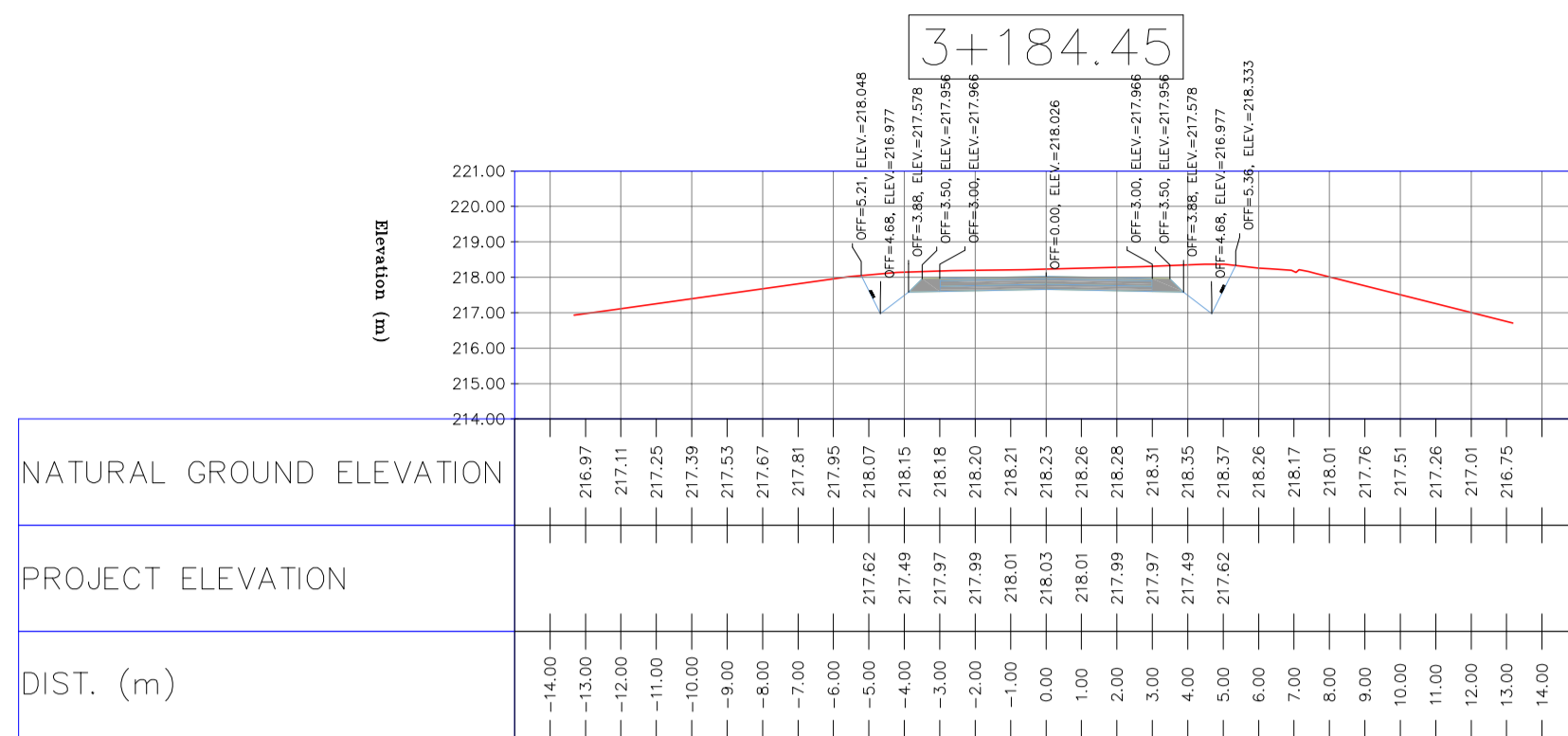
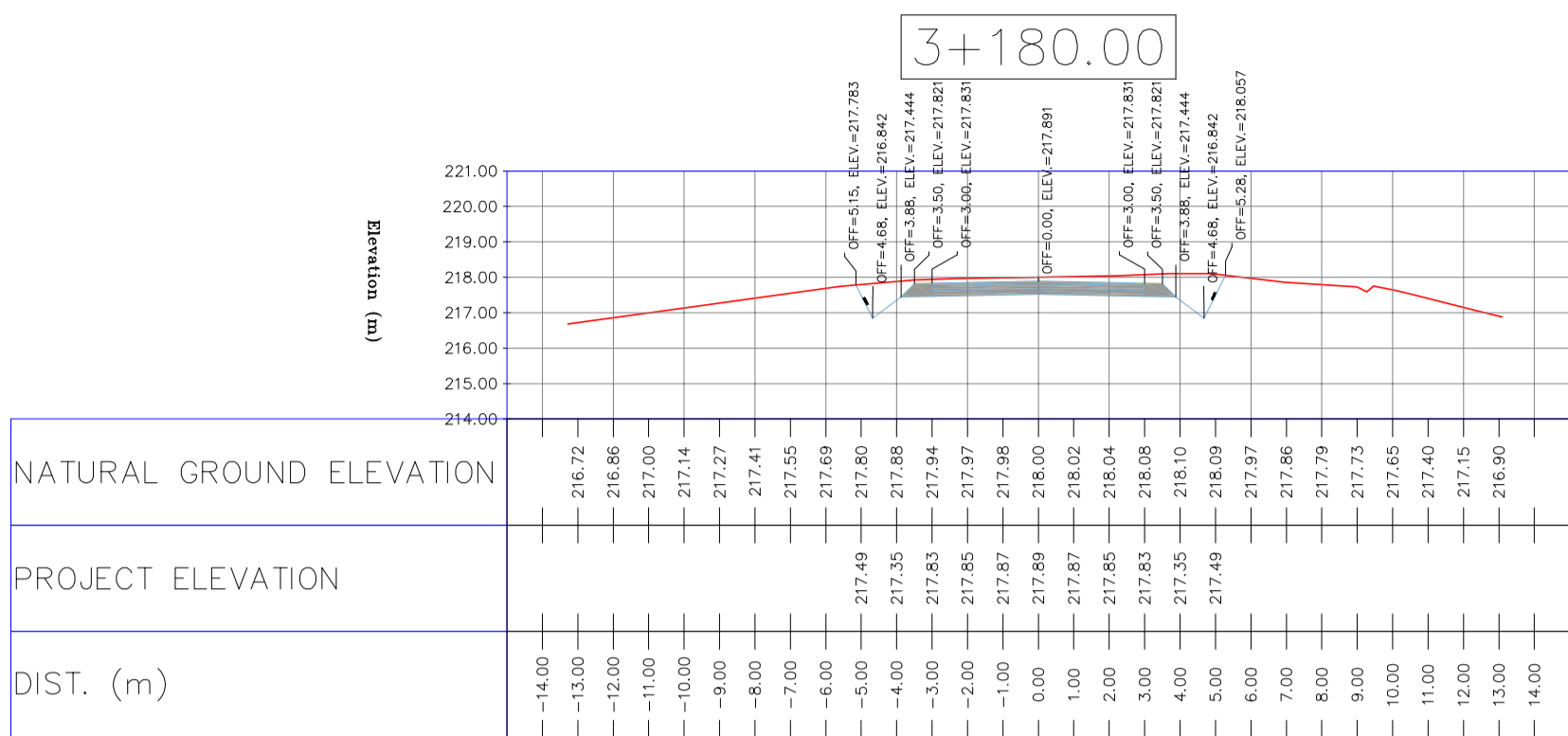
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

APPROVED FOR CONSTRUCTION	BY:	DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	76 OF 101	D03	053-073-9184	F	4	S	708209	76	D03



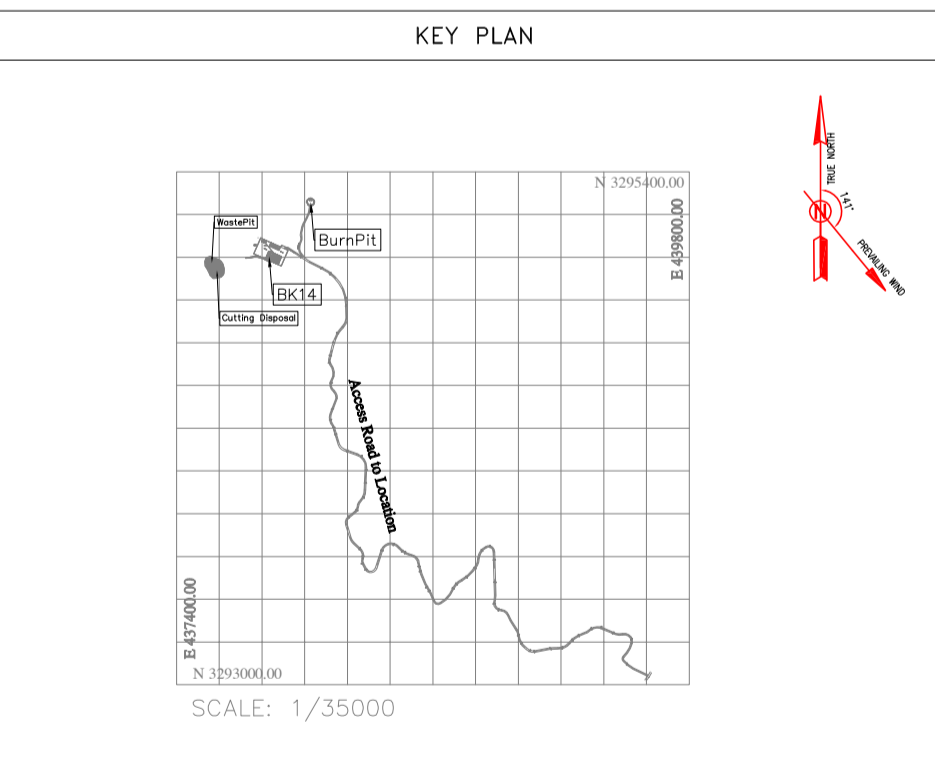


- NOTES: 1-ALL COORDINATES AND ELEVATIONS ARE IN METER... 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR... 3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW...

LEGEND table listing symbols for Well Location, Well, Site, Camp Site, Asphalt Road, Gravel Road, Proposed Road, Daylight, Canal, River, Water Course, Contours, Spot Height, Bench Mark, Bridge, and Culvert.

REFERENCE DRAWING and DRG. No. table listing various drawing titles and their corresponding drawing numbers.

ABBREVIATION: PT= POINT, PVI= POINT OF VERTICAL INTERSECTION, LVC= LENGTH OF VERTICAL CURVE, BVCS= BEGIN OF VERTICAL CURVE STATION, BVCE= BEGIN OF VERTICAL CURVE ELEVATION, EVCS= END OF VERTICAL CURVE STATION, EVCE= END OF VERTICAL CURVE ELEVATION.

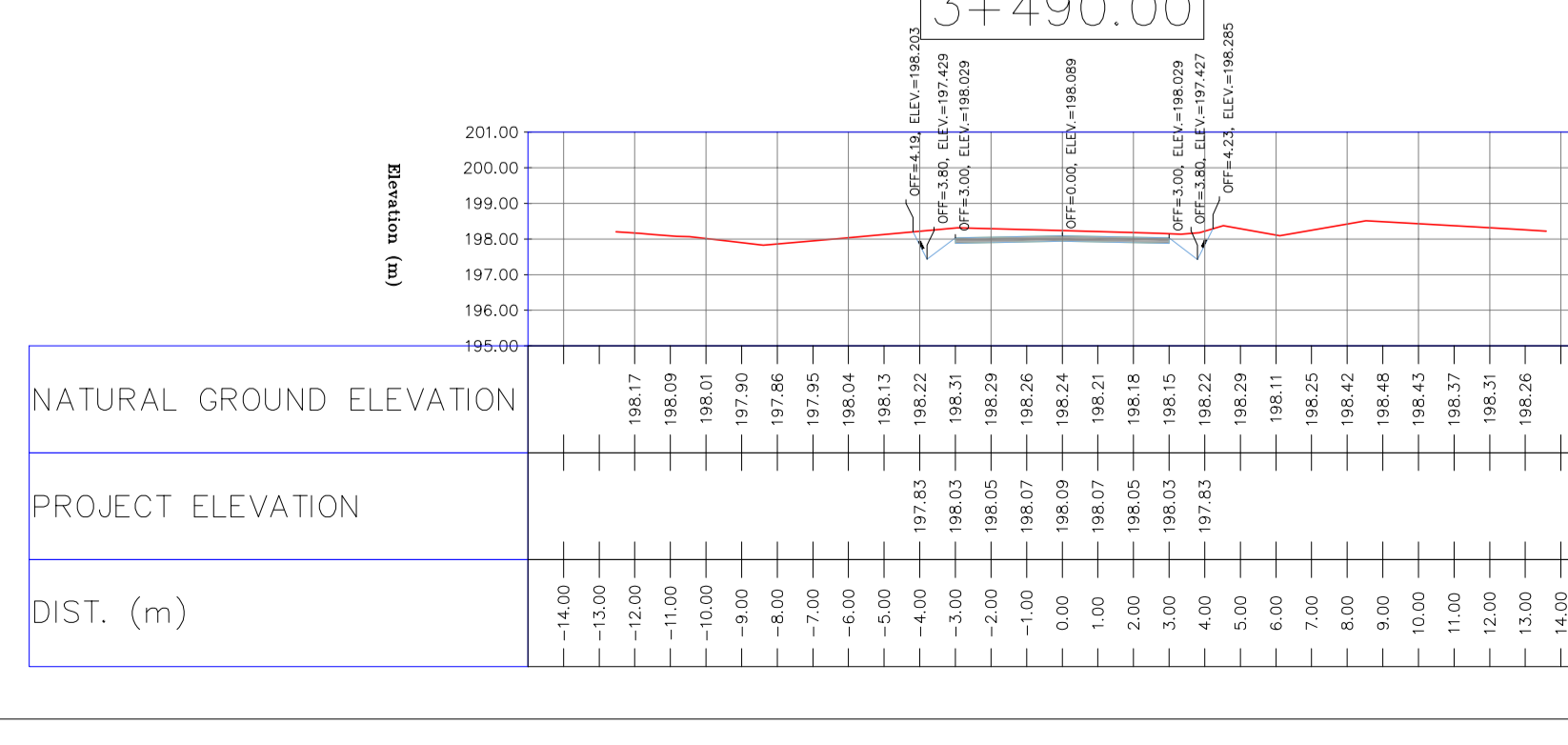
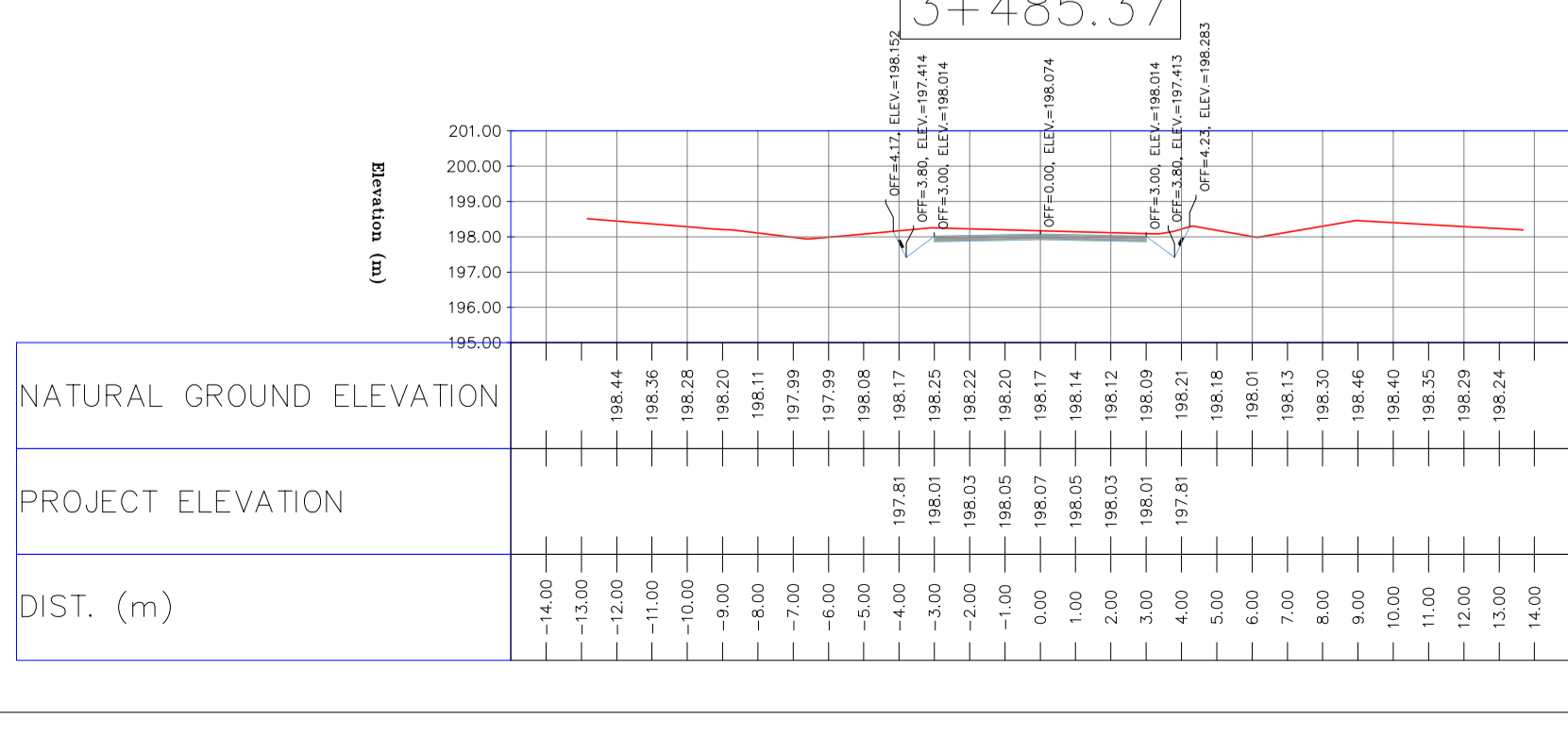
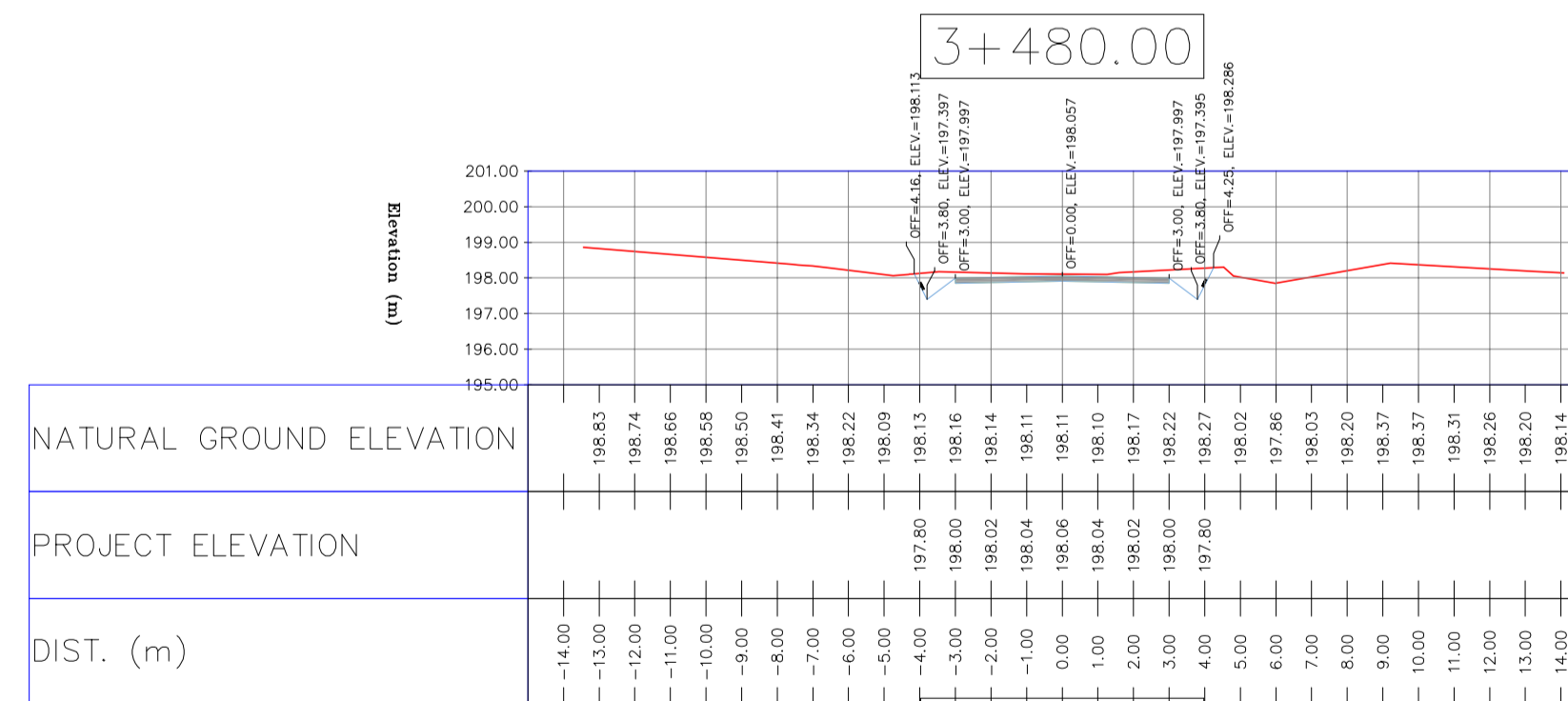
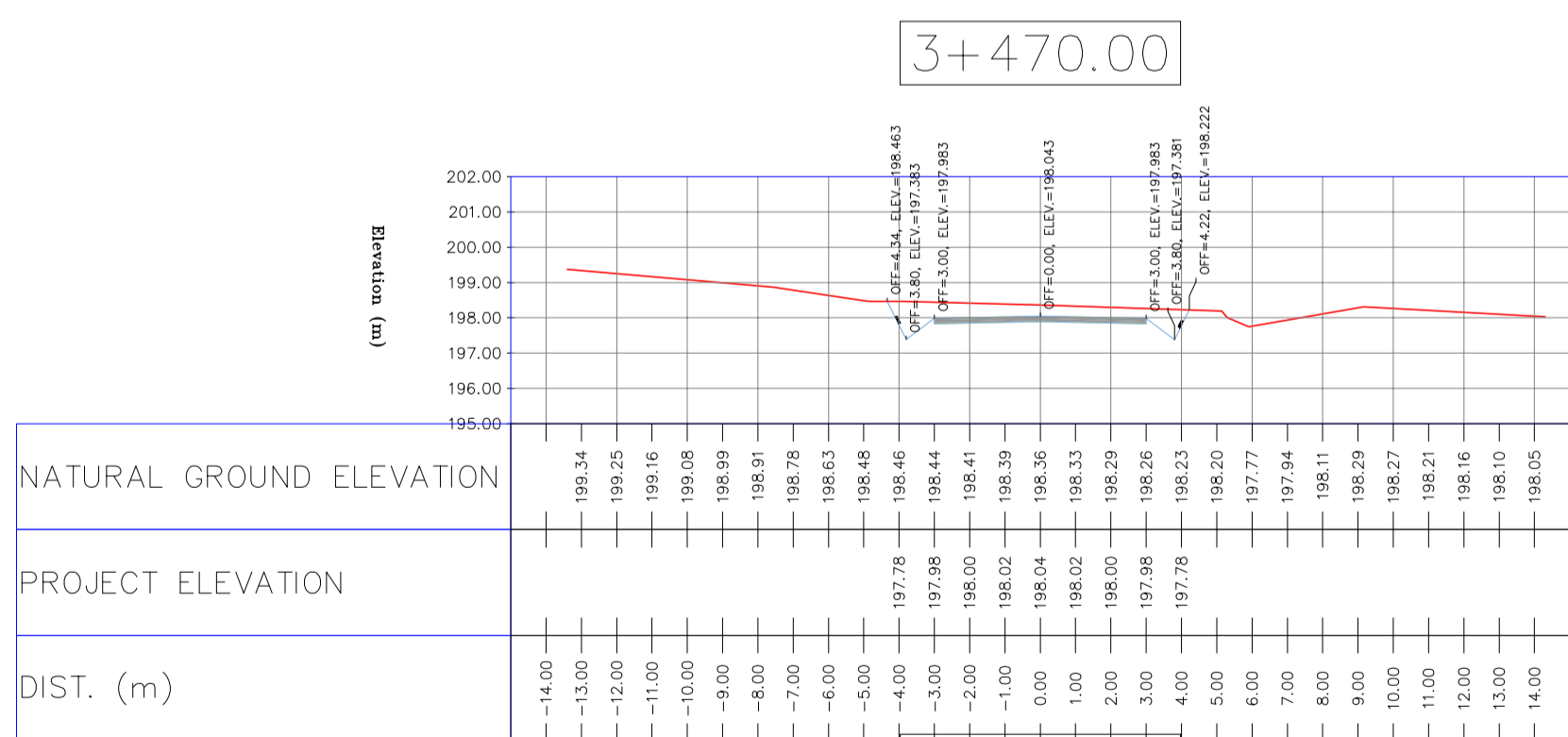
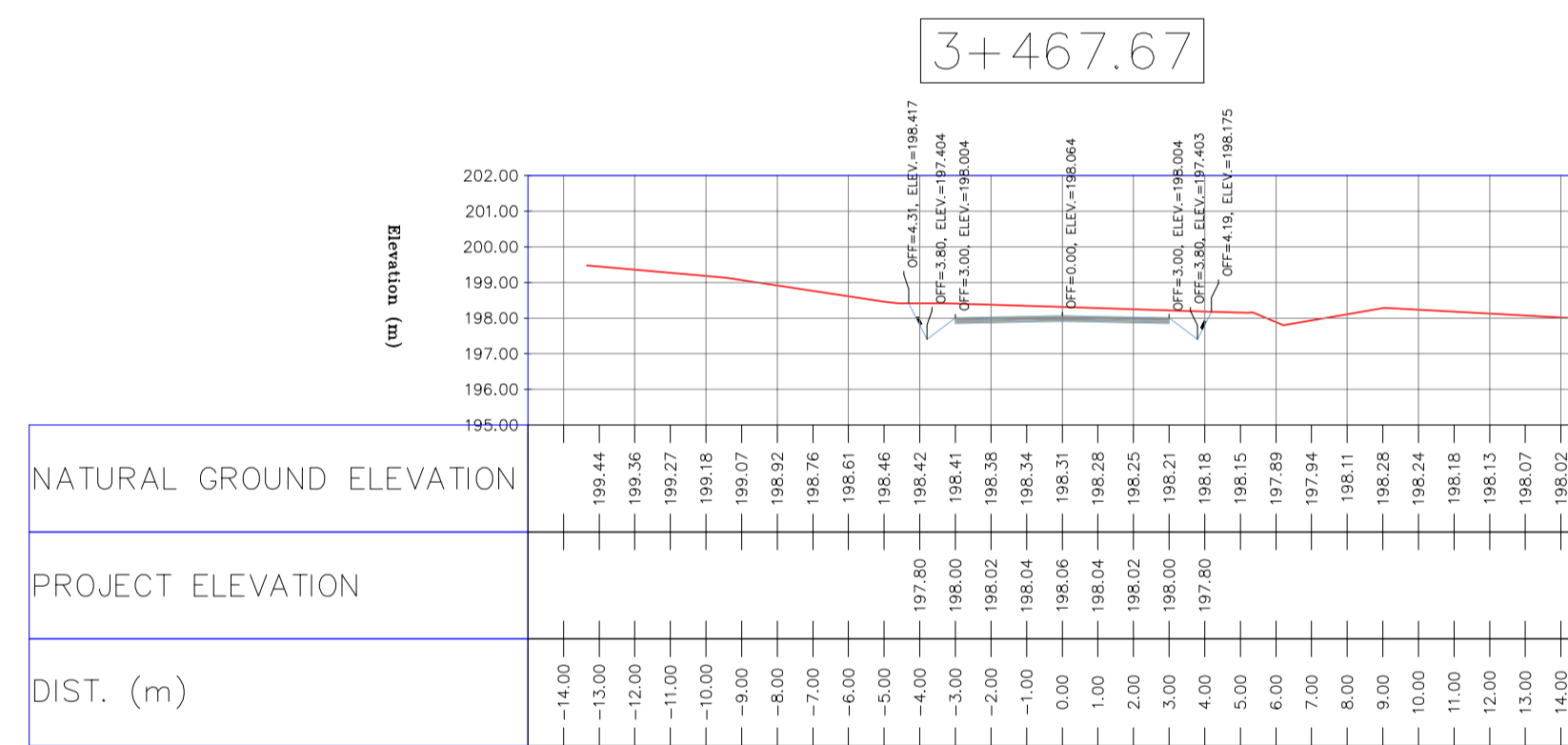
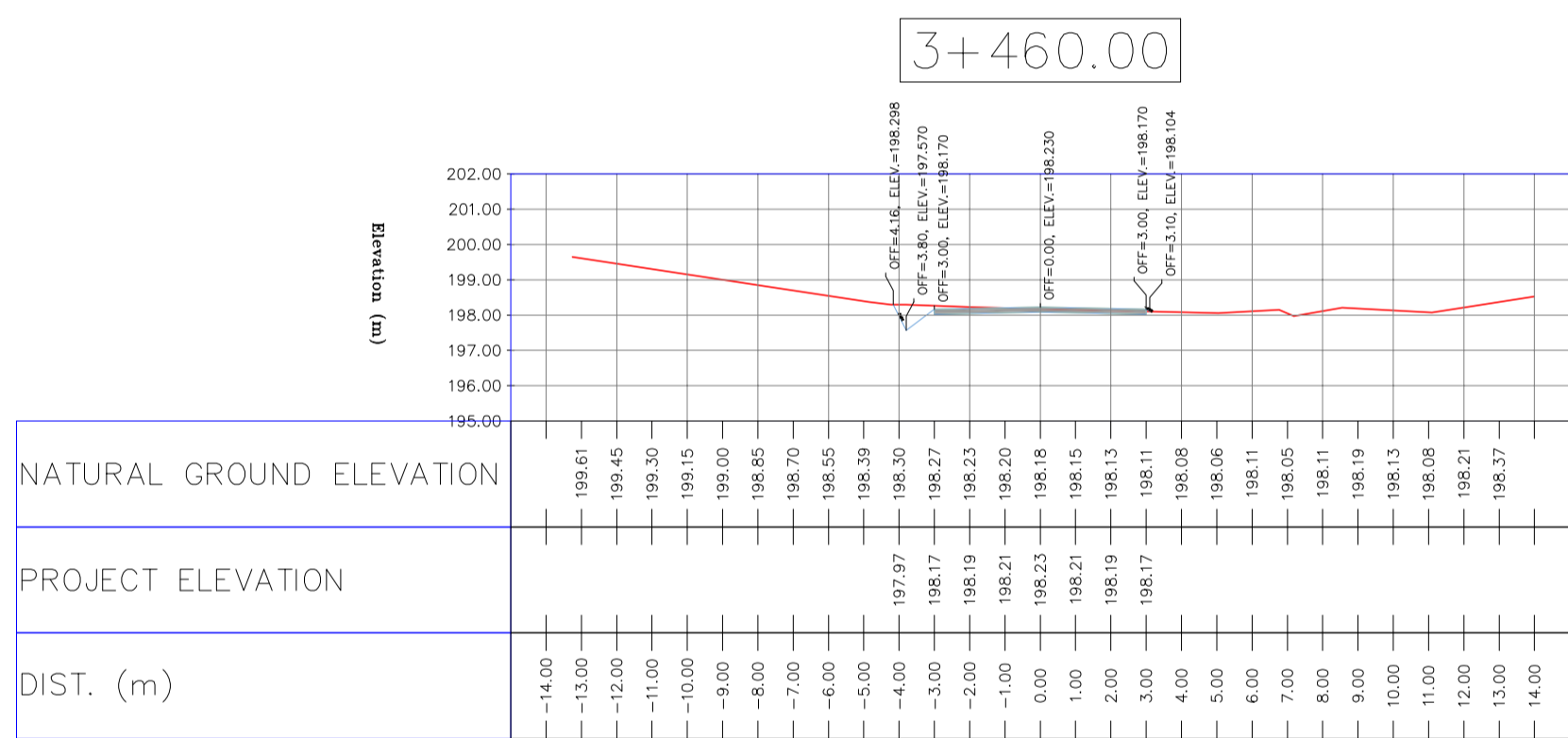
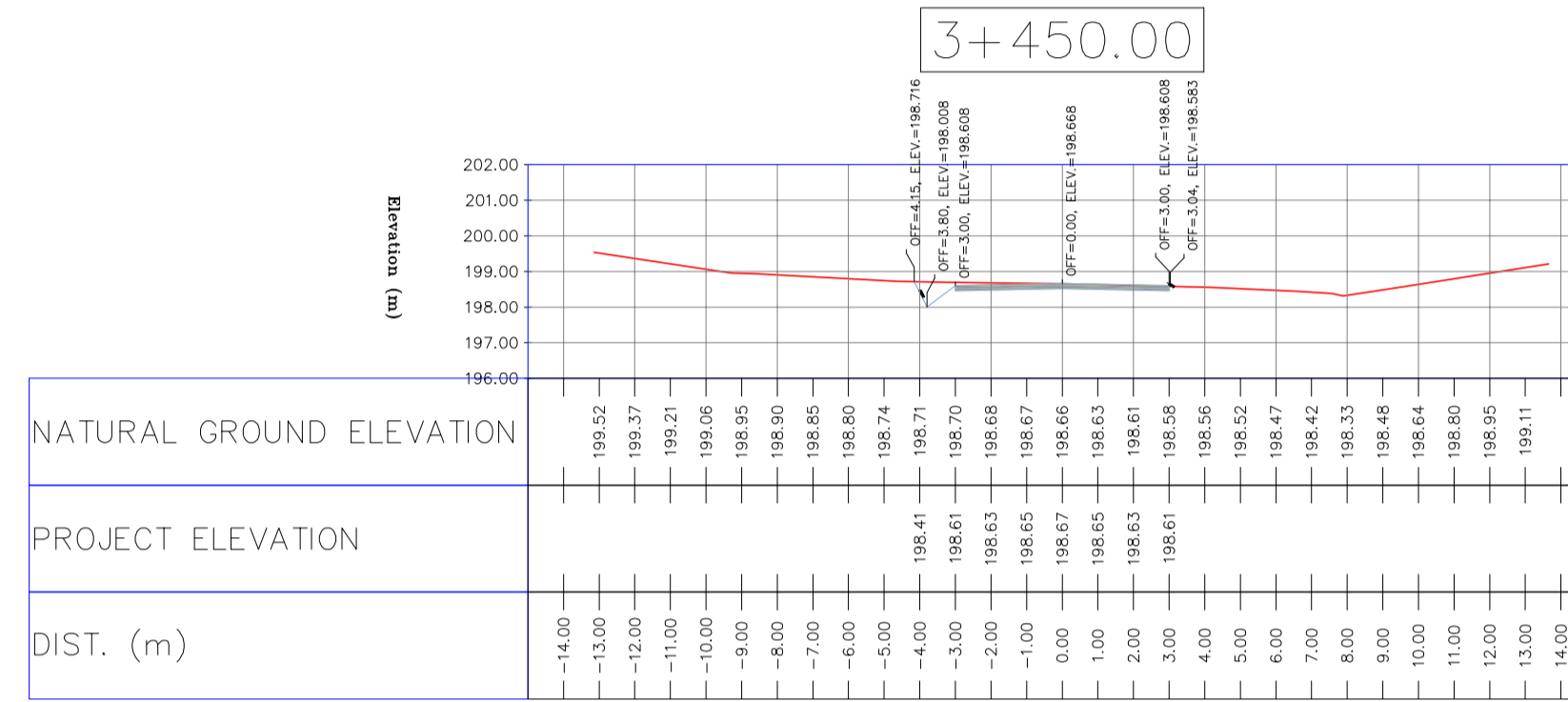
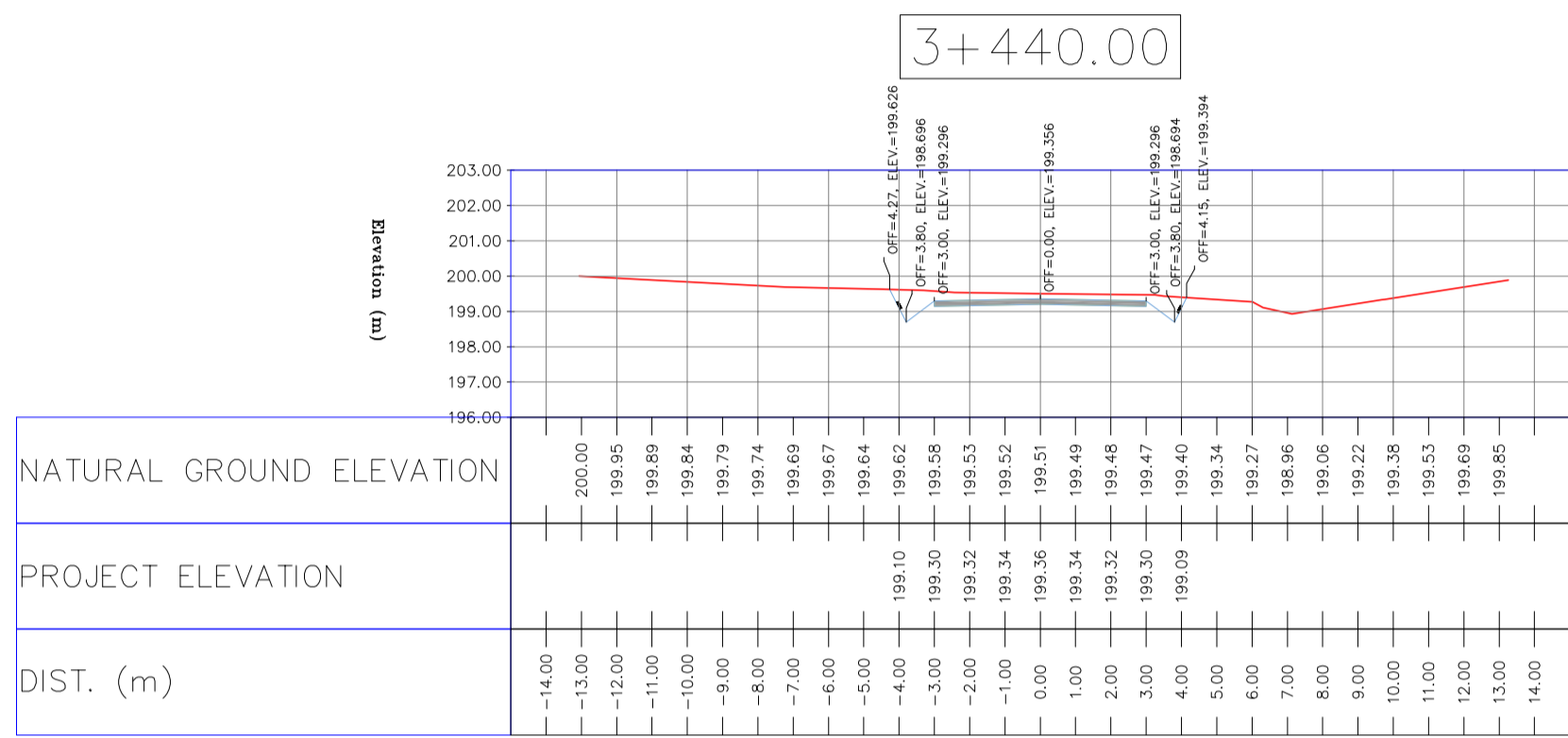
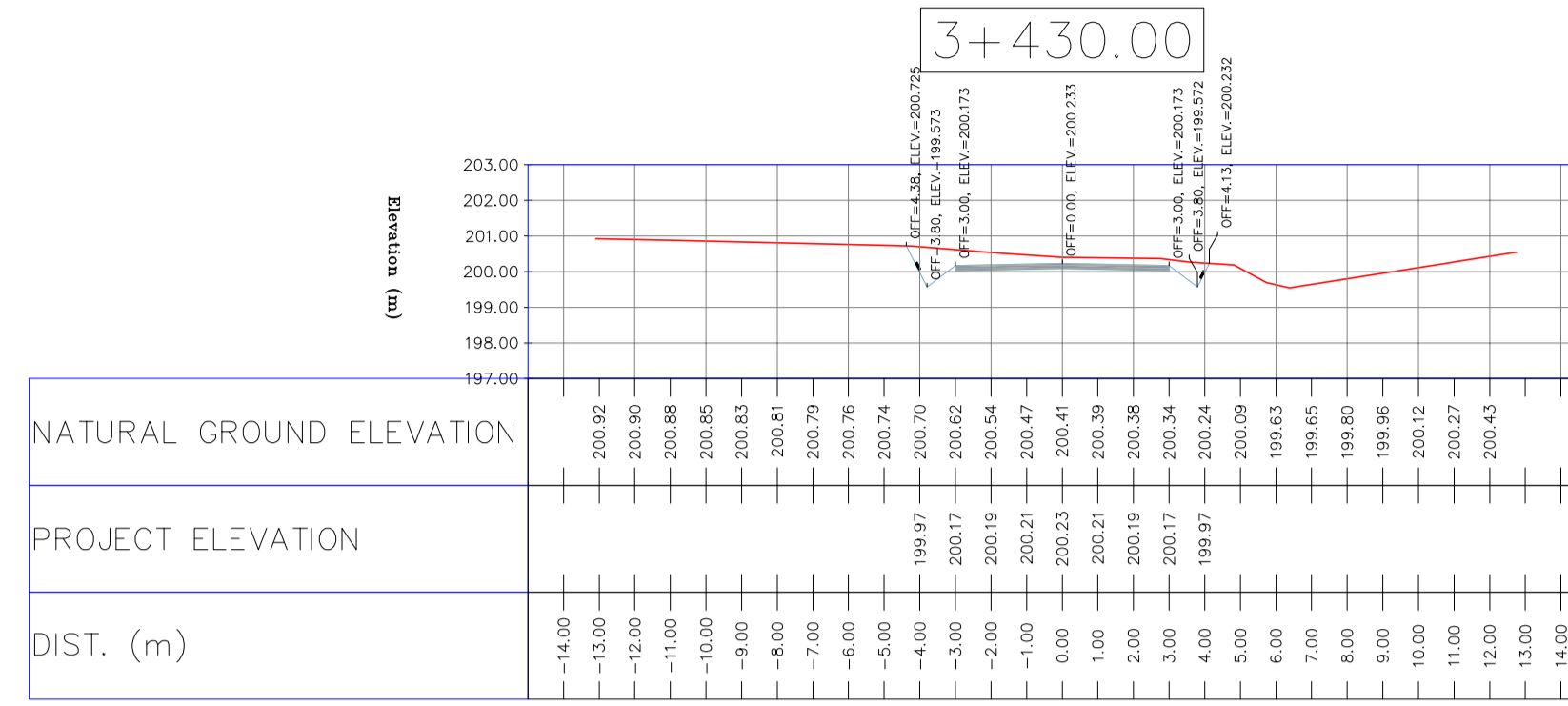
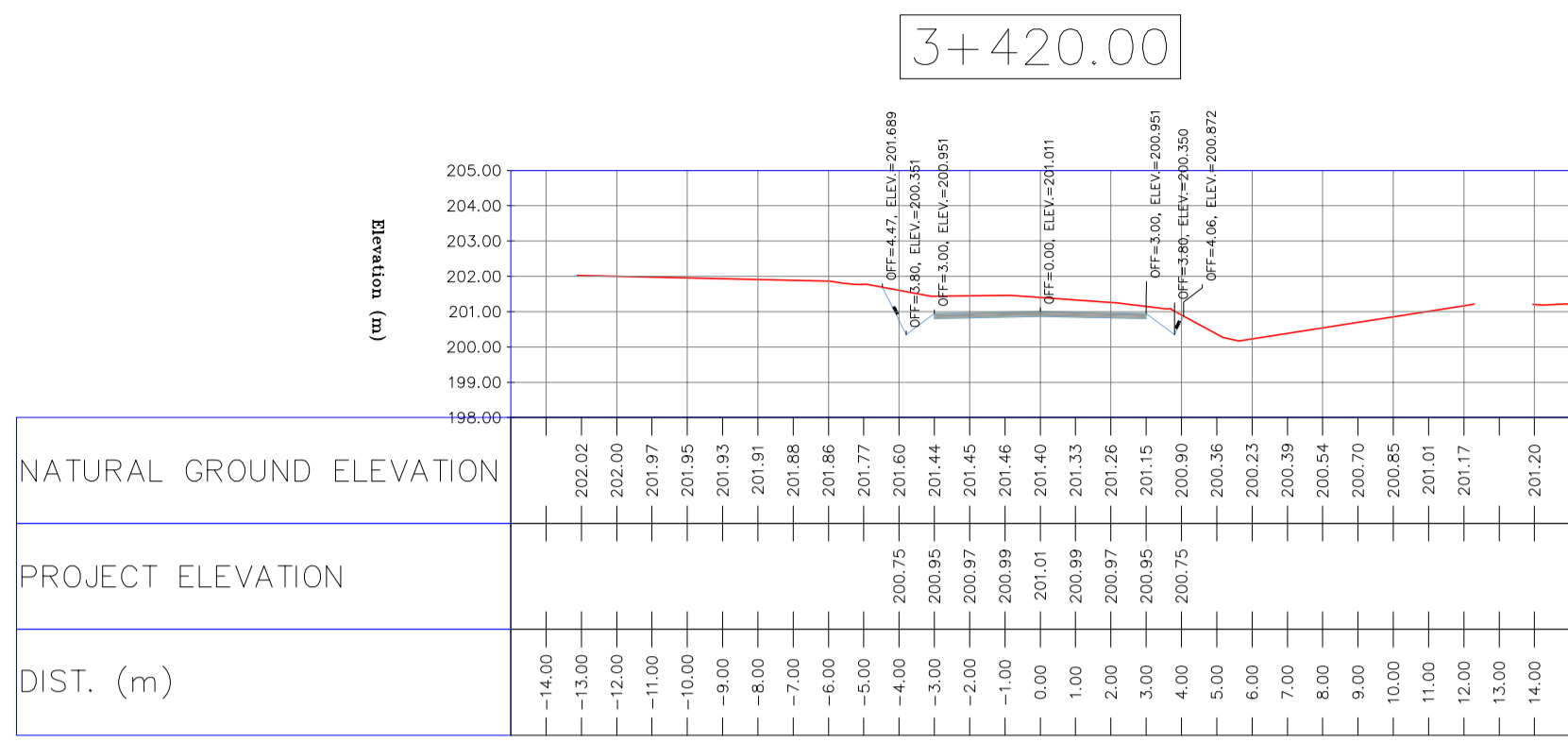


Revision table with columns: REV., DATE, P.O.I.S, PREP., CHK., APP., AUT., DESCRIPTION, BY, DATE, REV. APPR.

Project information: PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS. EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES. EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY.

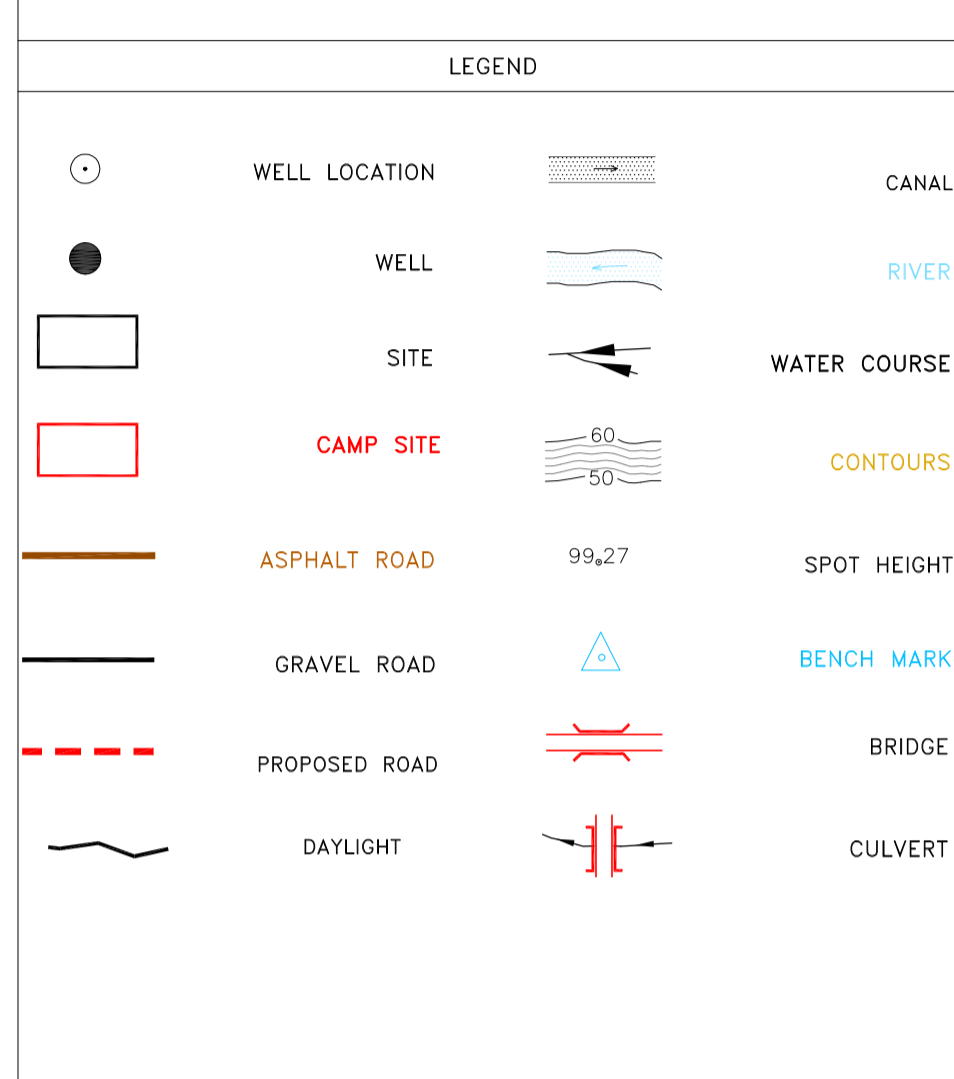
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14. Table with columns: SCALE, SIZE, DRAWING NO., SHEET NO., REV., BUDGET REF., LOCATION, SIZE, CLASS, SERIAL NO., SHEET, REVISION.

TOTALLY REVISED (D03)



NOTES

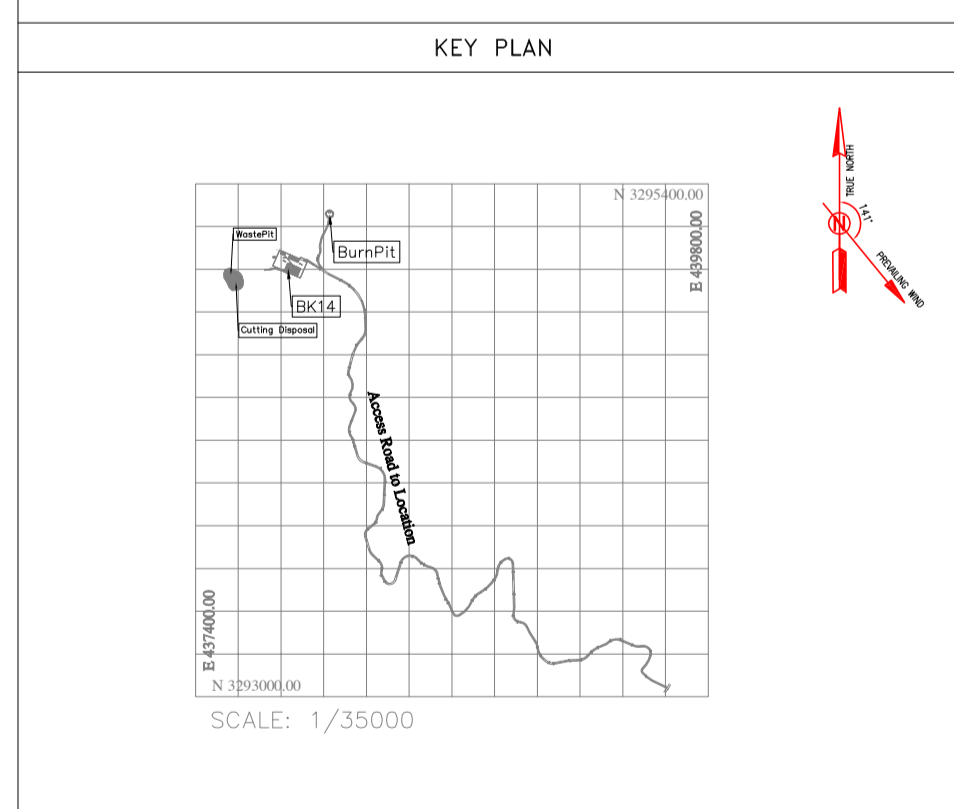
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DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
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REFERENCE DRAWING	DRG. No.
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BVCE= BEGIN OF VERTICAL CURVE ELEVATION
EVC= END OF VERTICAL CURVE STATION
EVC= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	REV.	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
							اخذ و کلیه نسخ این نقشه به حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.				

PROJECT NAME: BINA OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

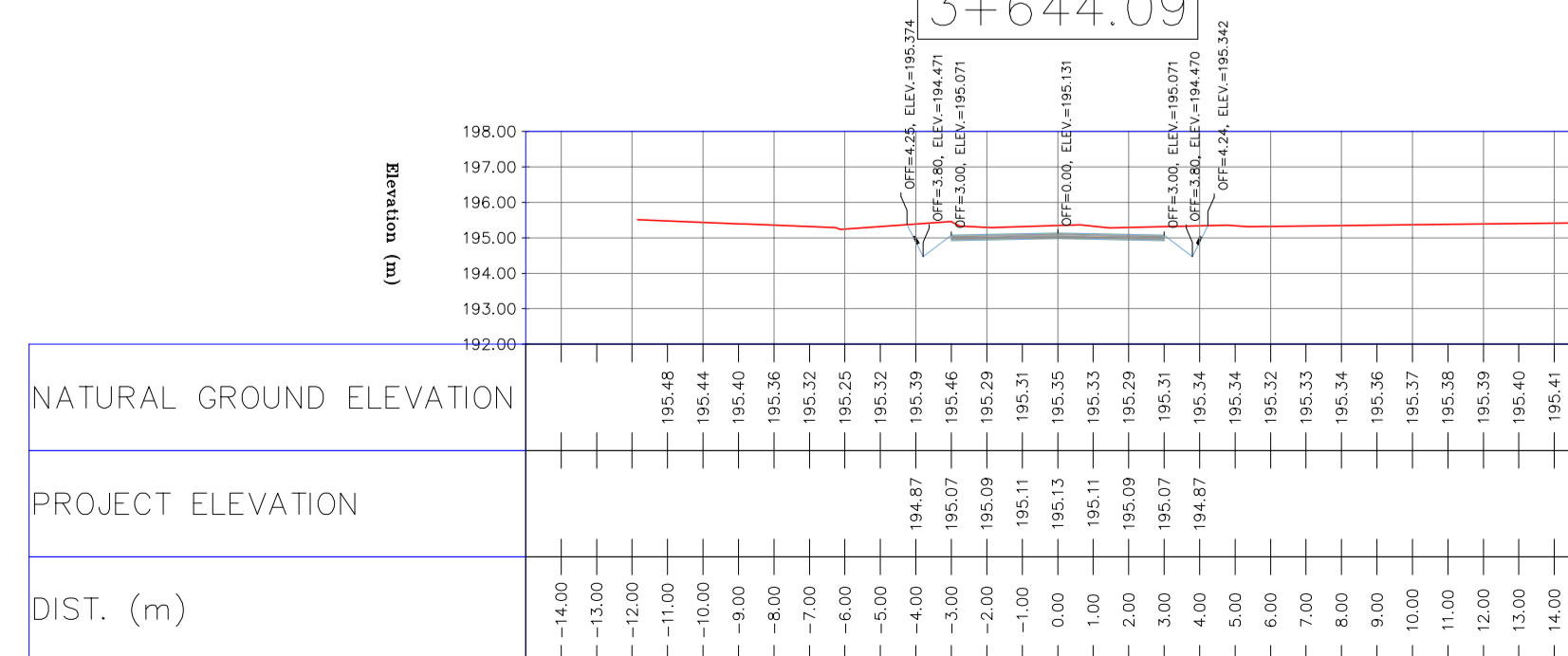
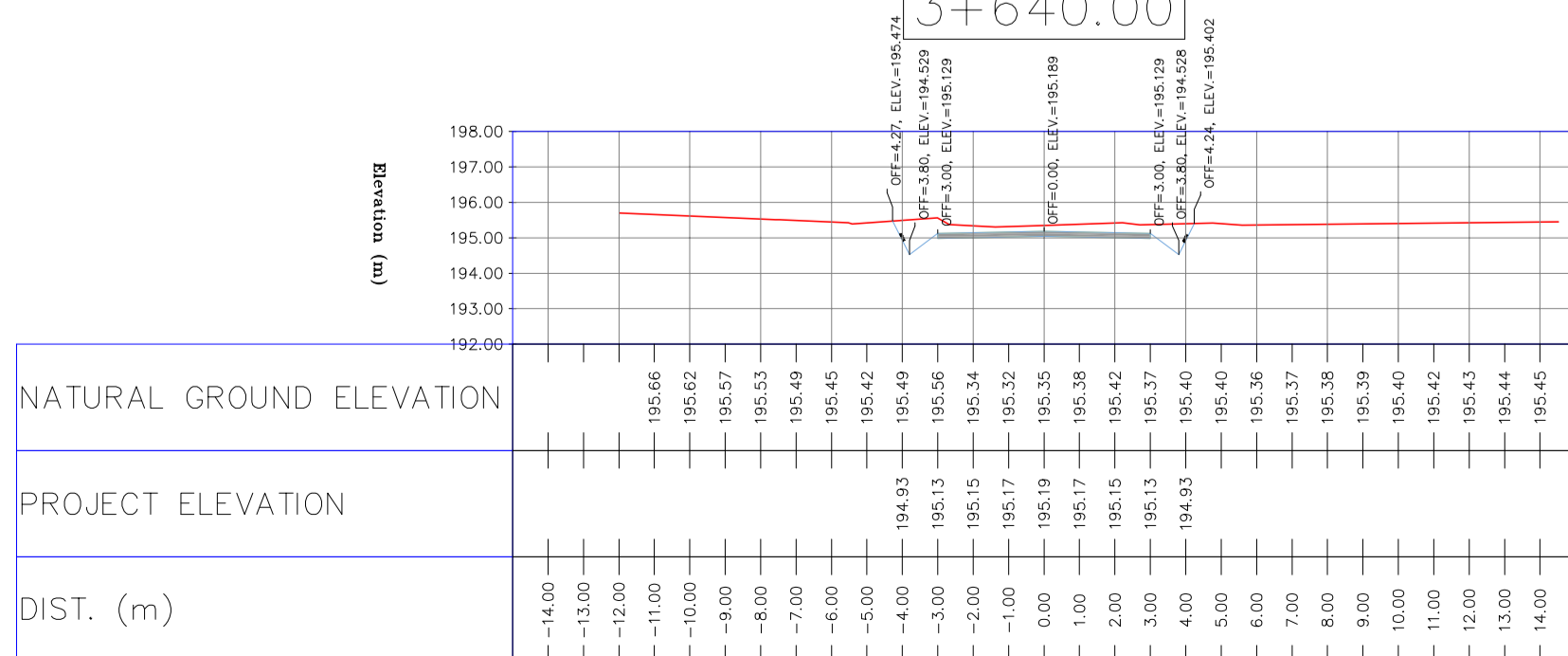
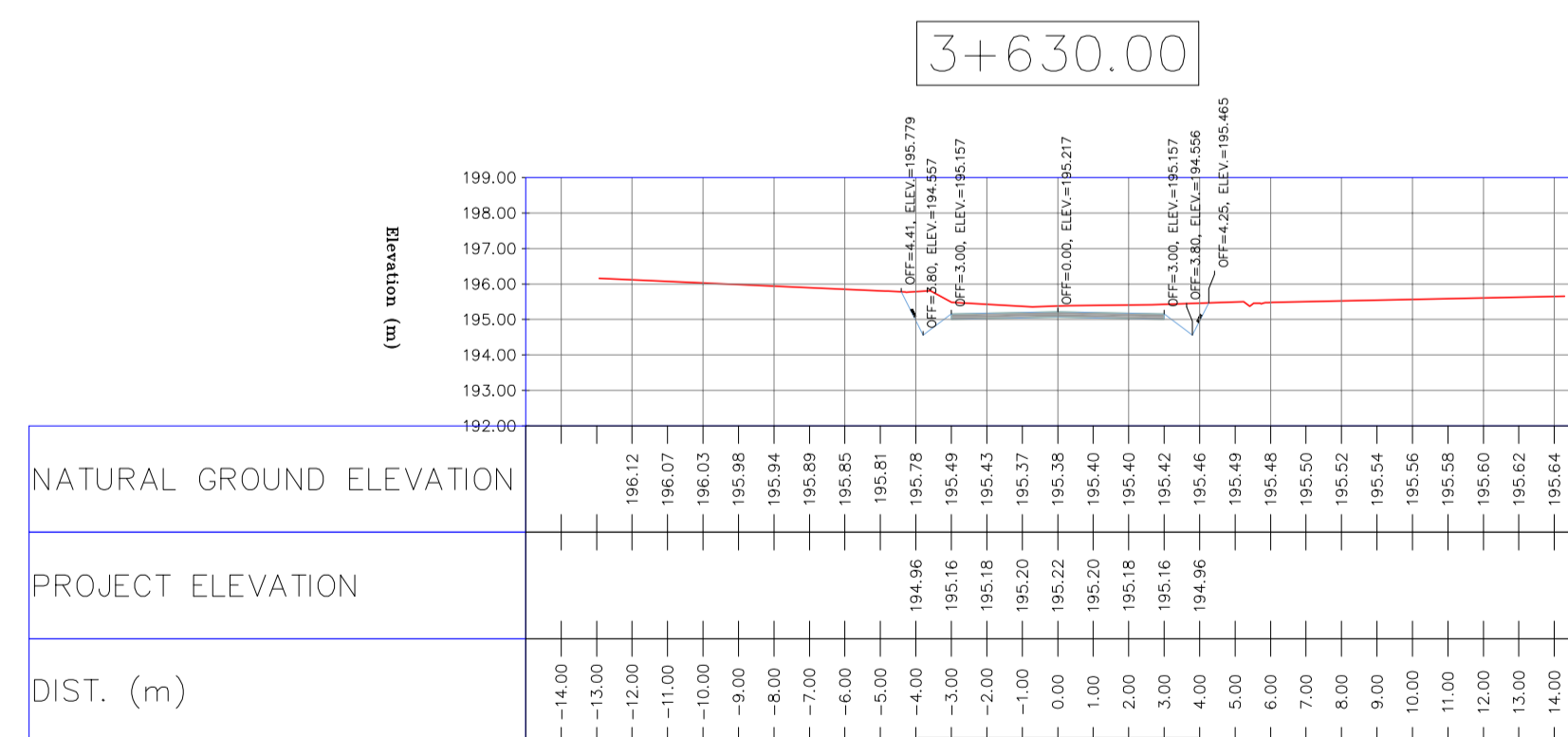
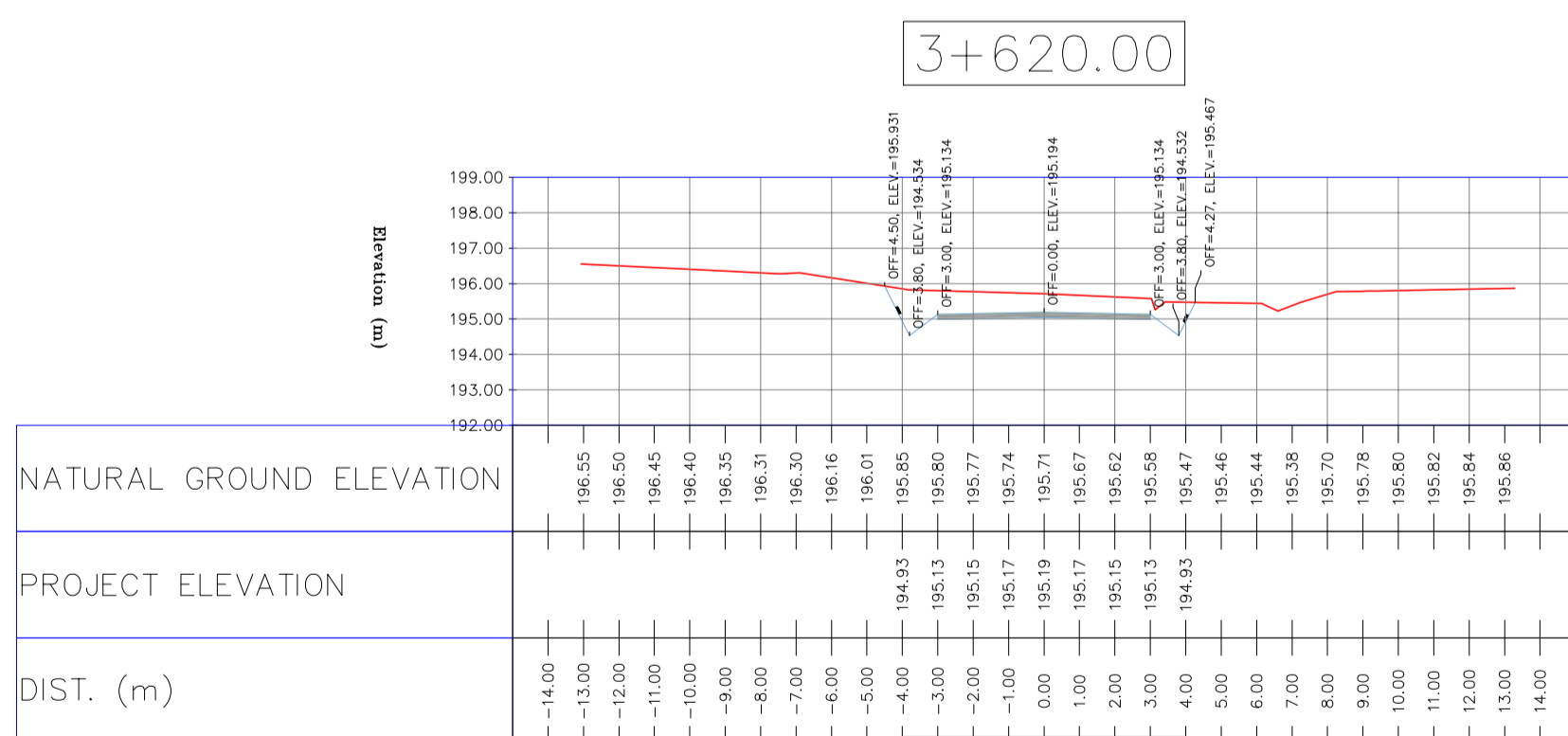
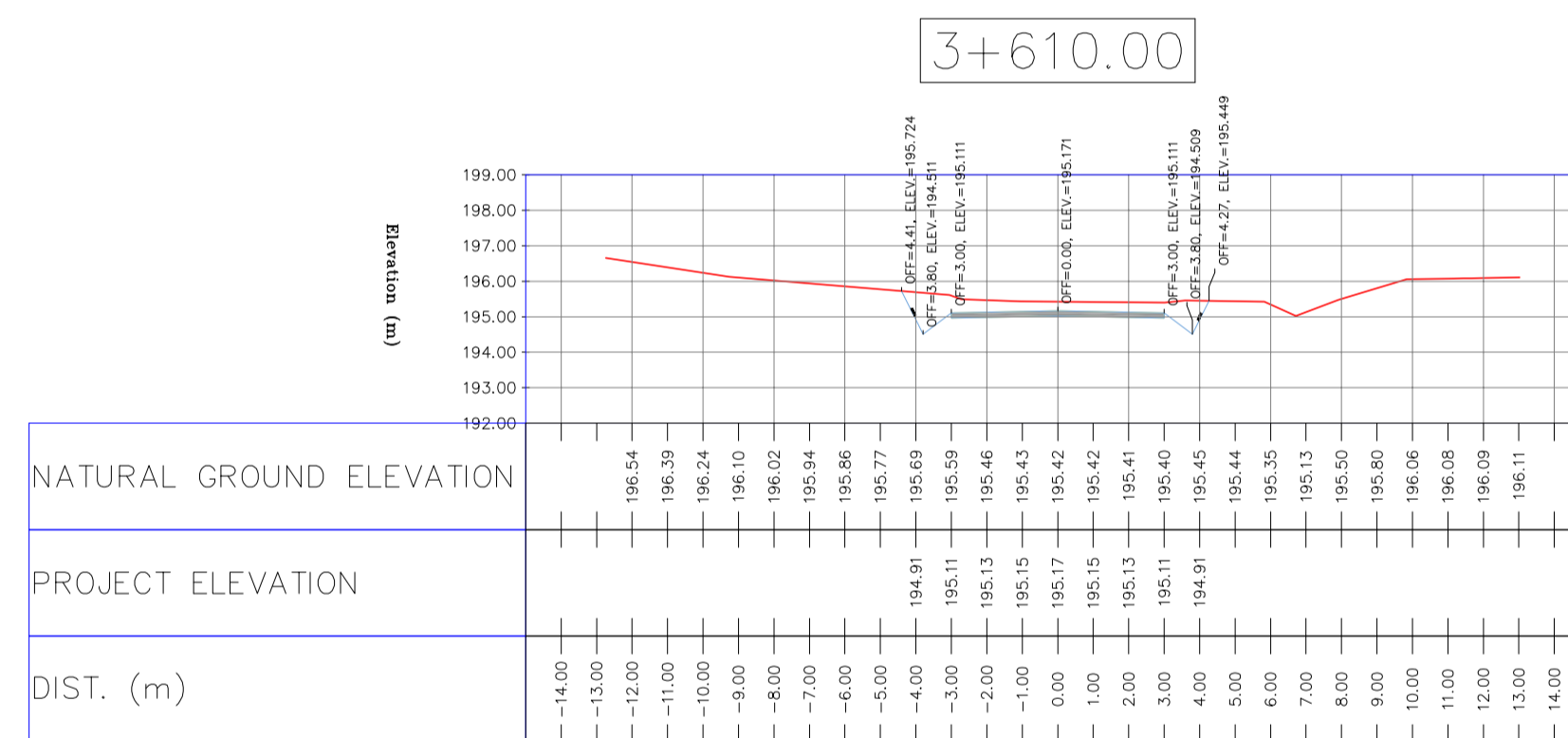
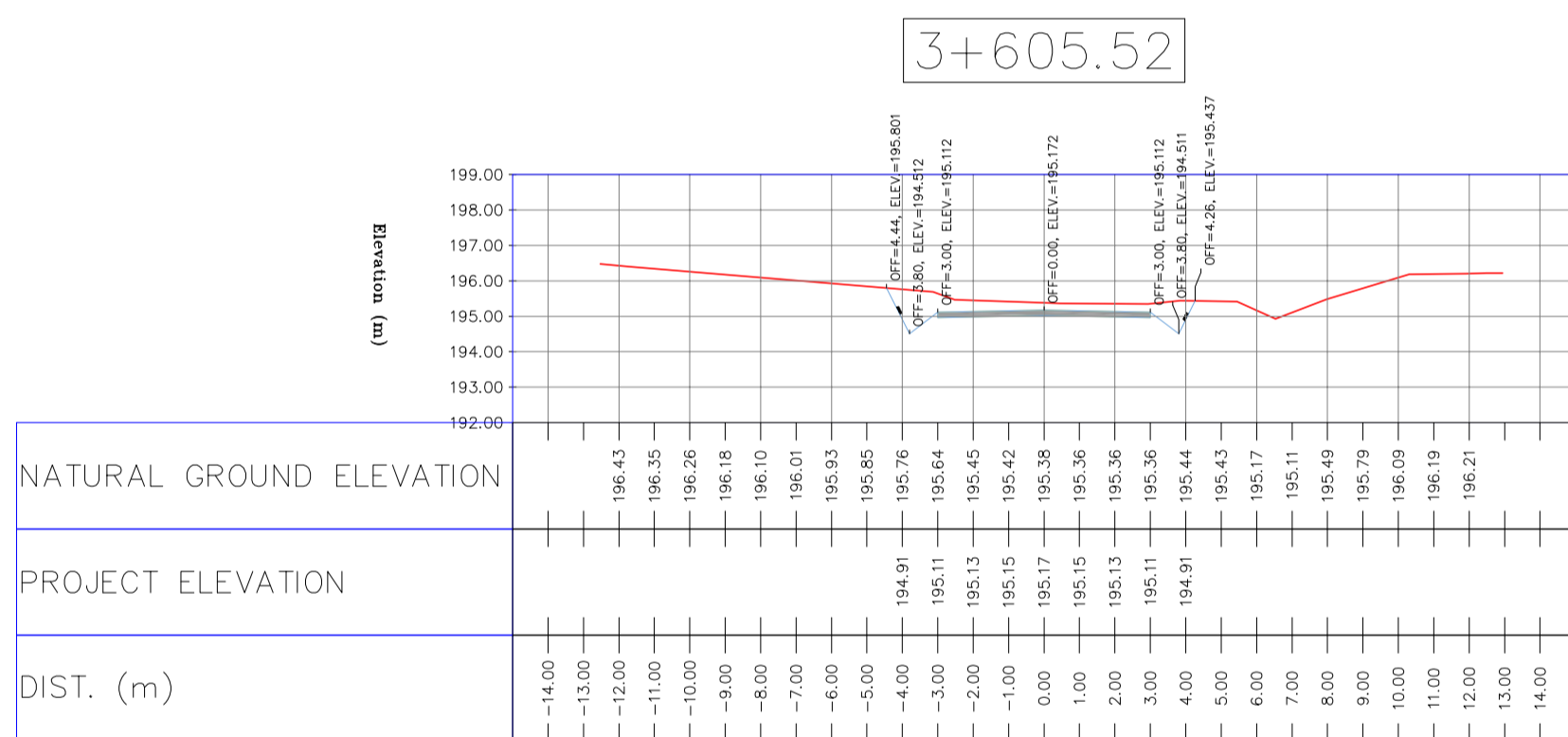
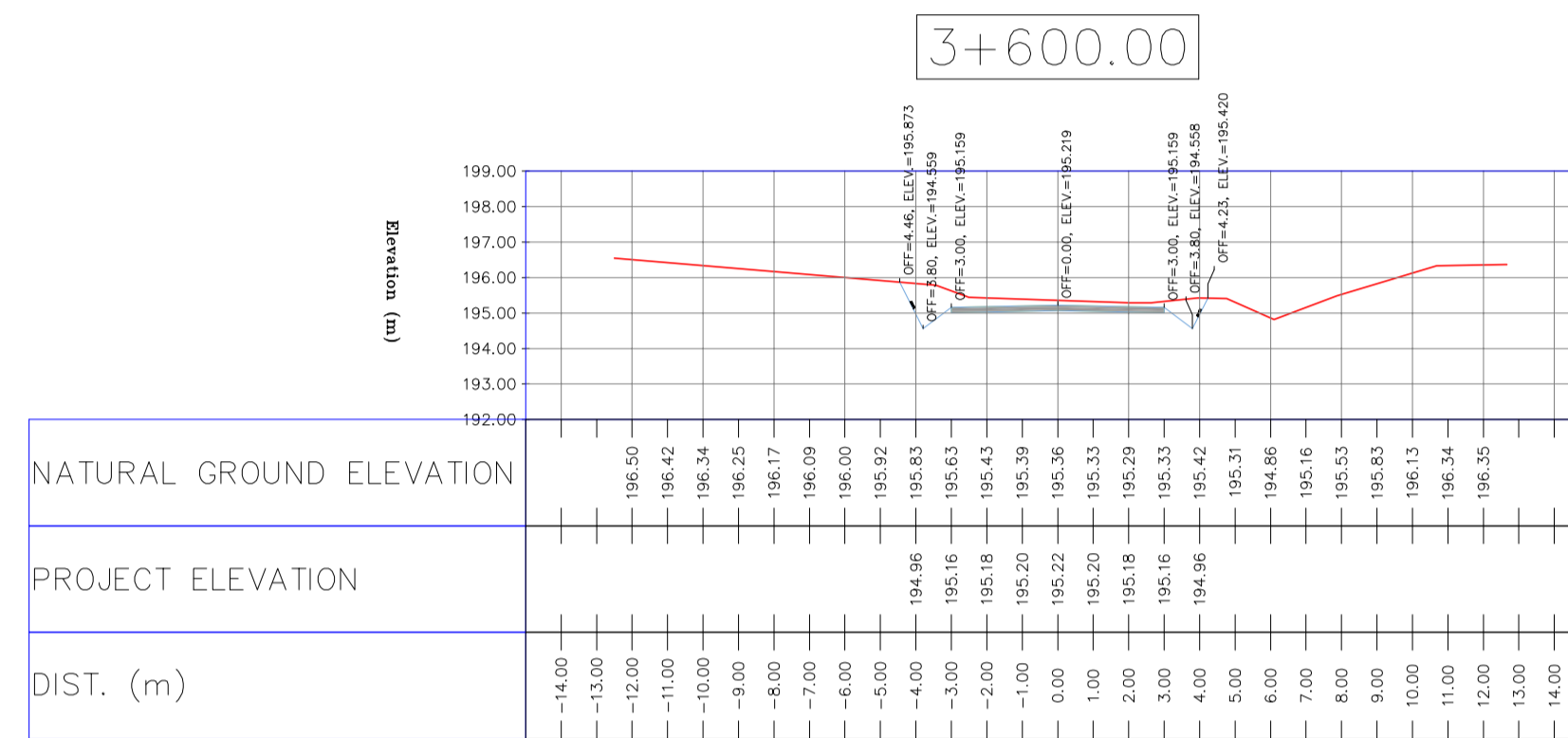
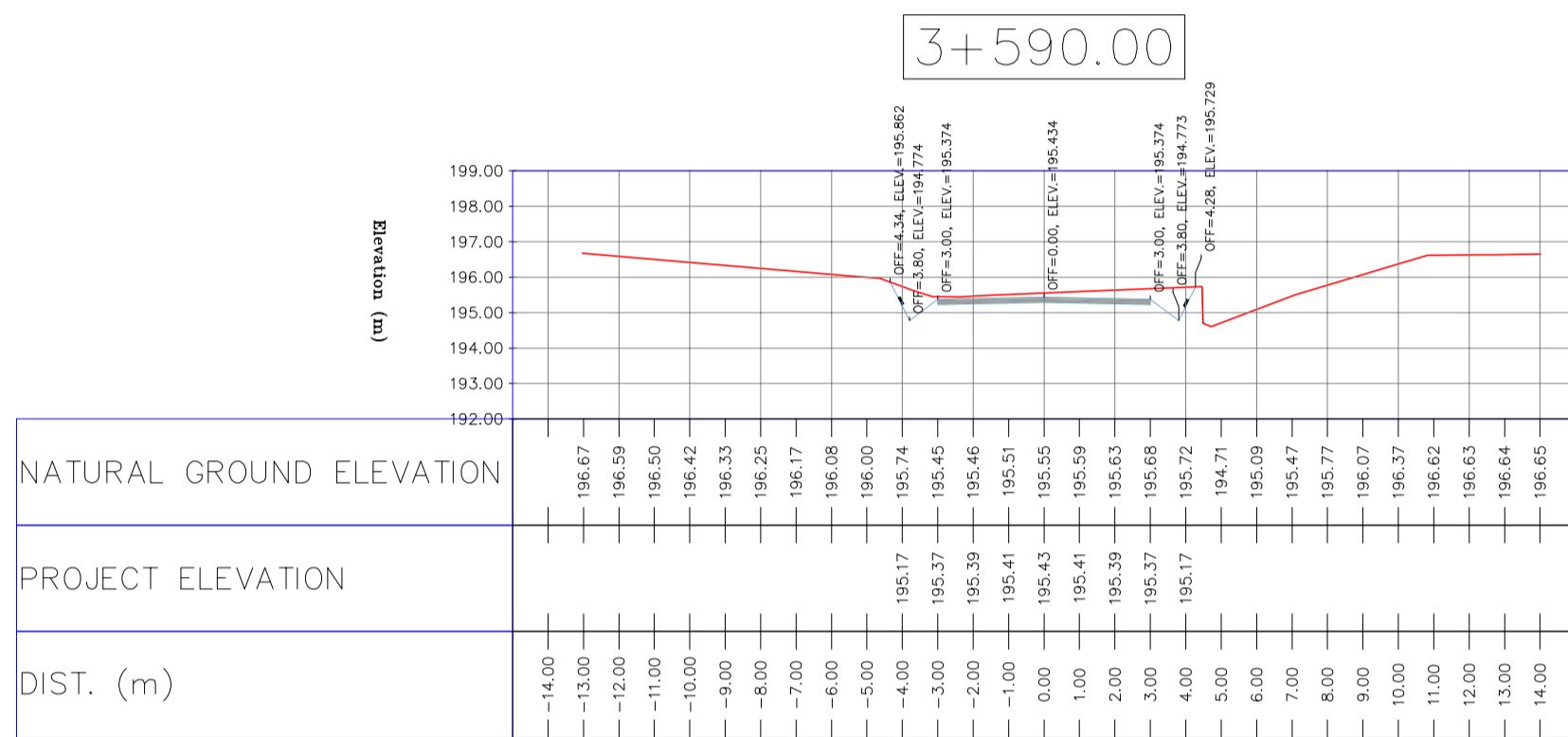
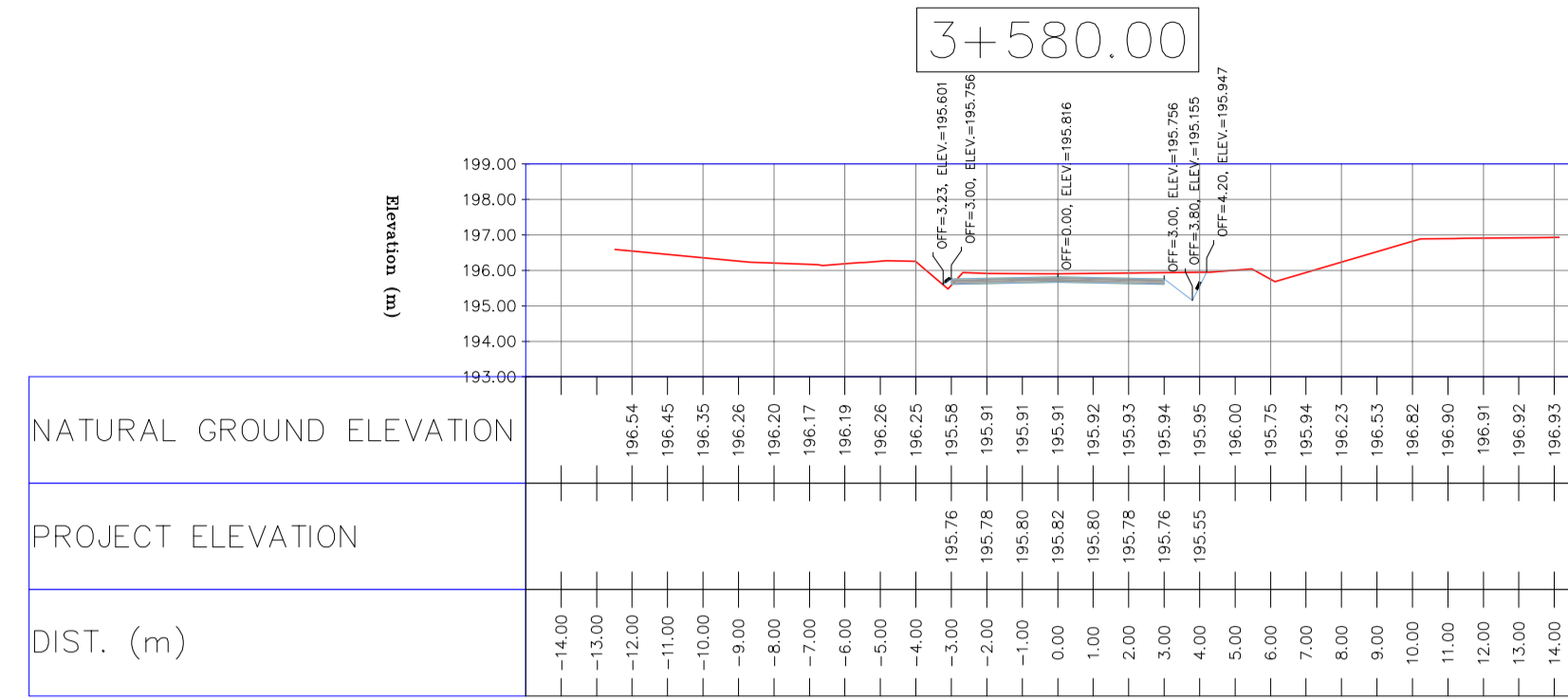
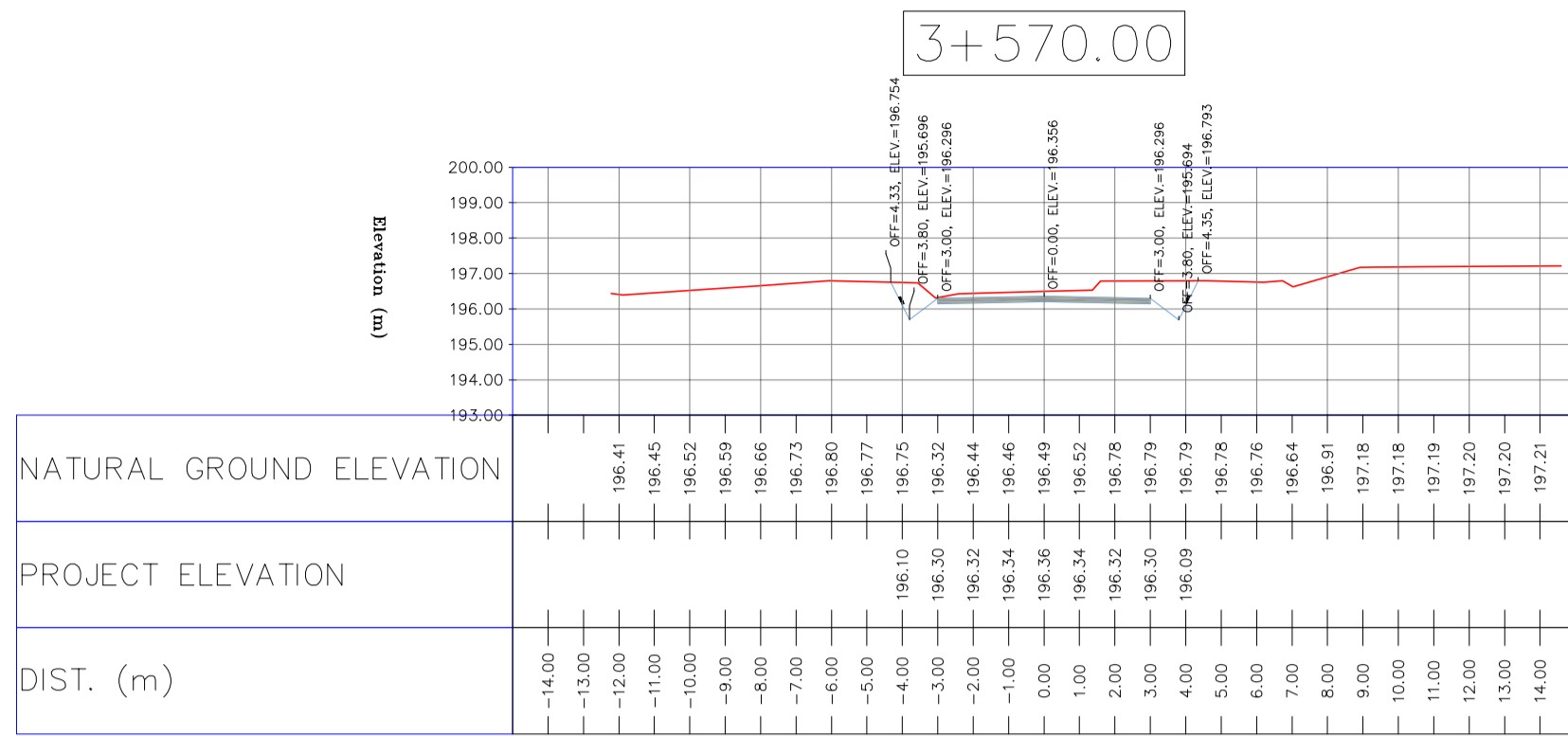
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

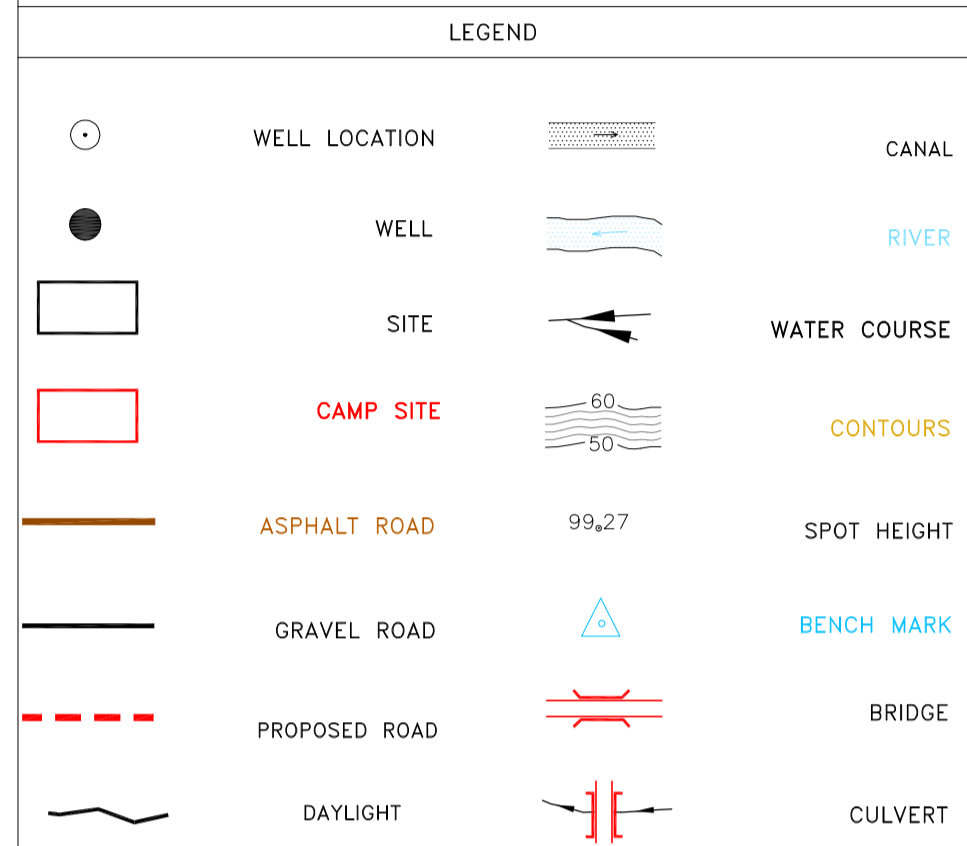
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H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	82 OF 101	D03	053-073-9184	F	4	S	708209	82	D03

TOTALLY REVISED



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODEIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODEIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
- THE SUITABLE MATERIAL FOR FILLING SHALL BE COLLECTED BASED ON TO THE BELOW RULES:
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- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
IRAN PLANNING AND BUDGET ORGANIZATION
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK"
DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
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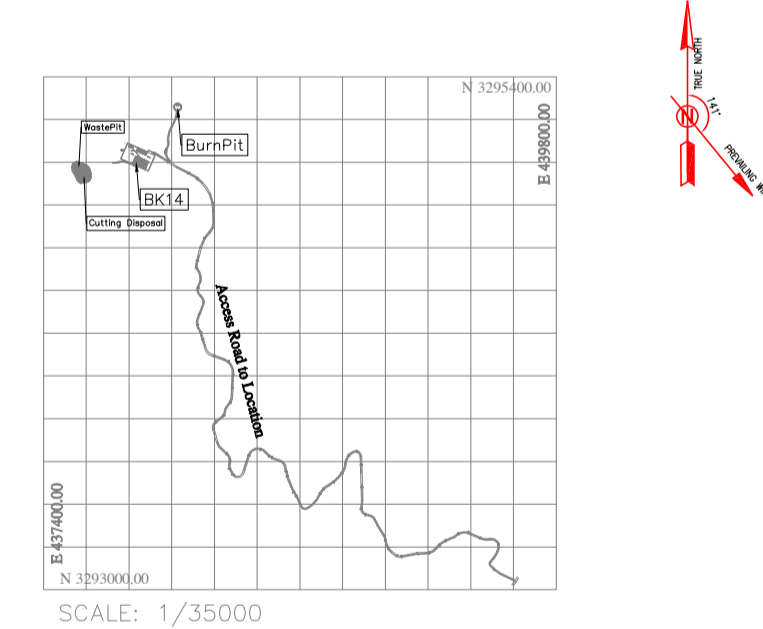


REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
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KEY PLAN



D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

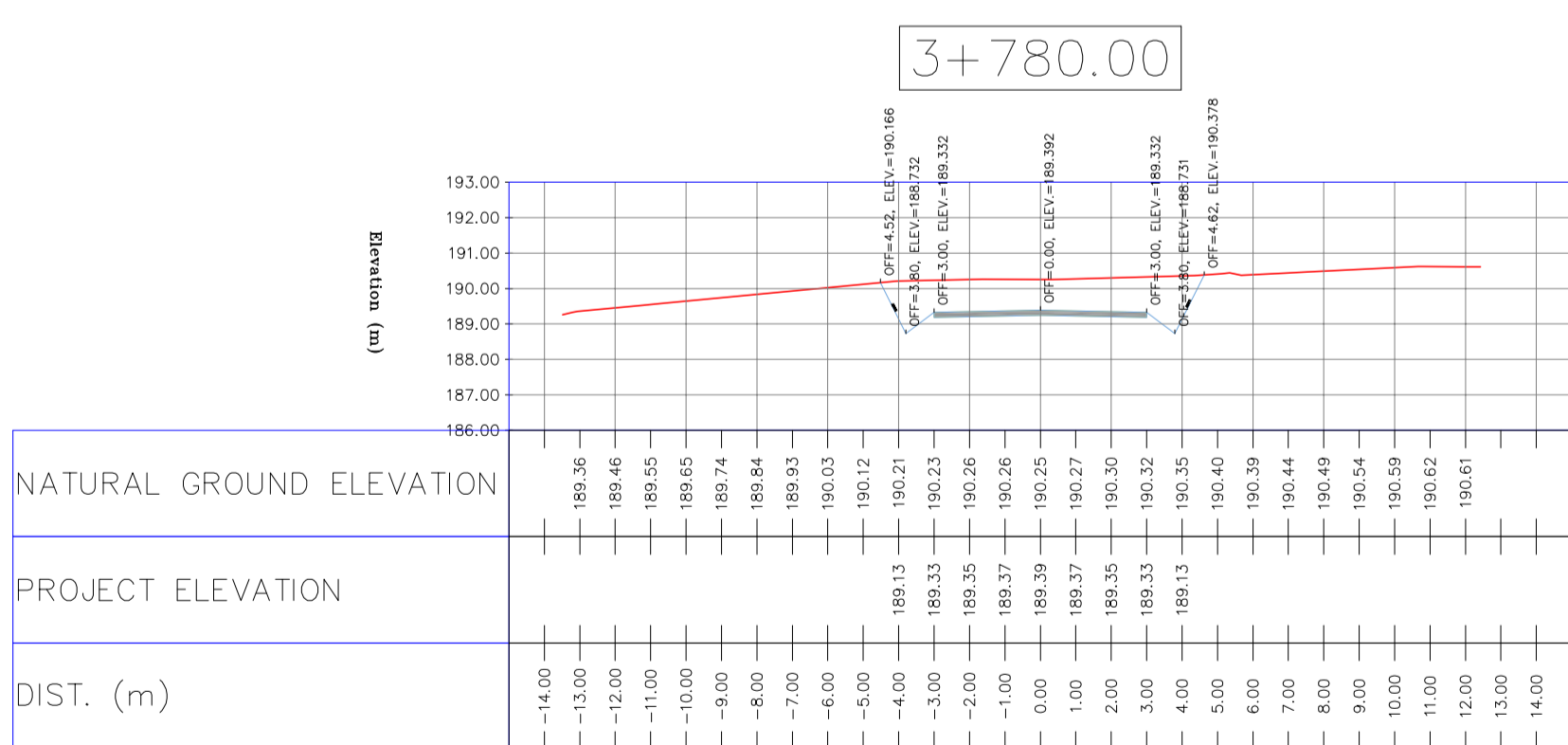
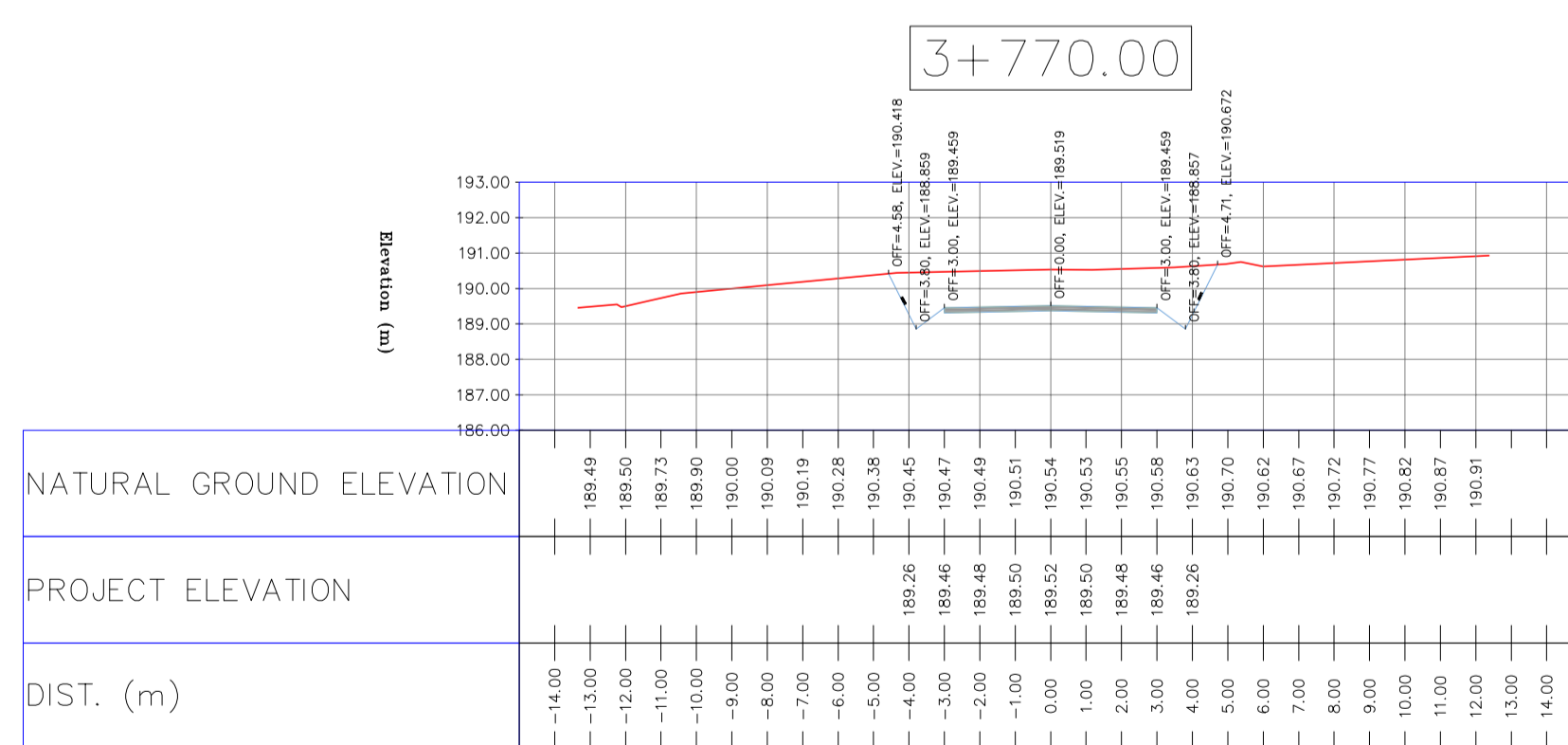
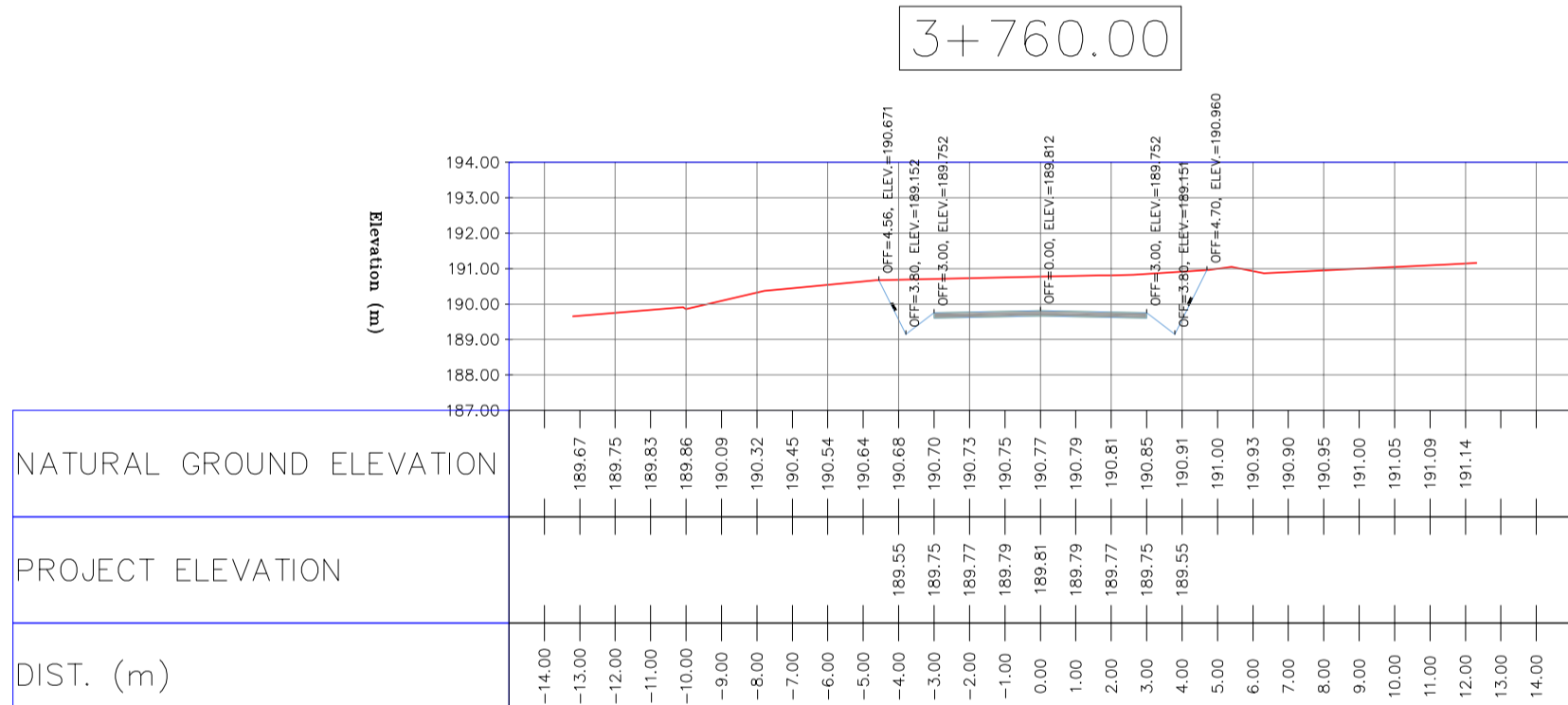
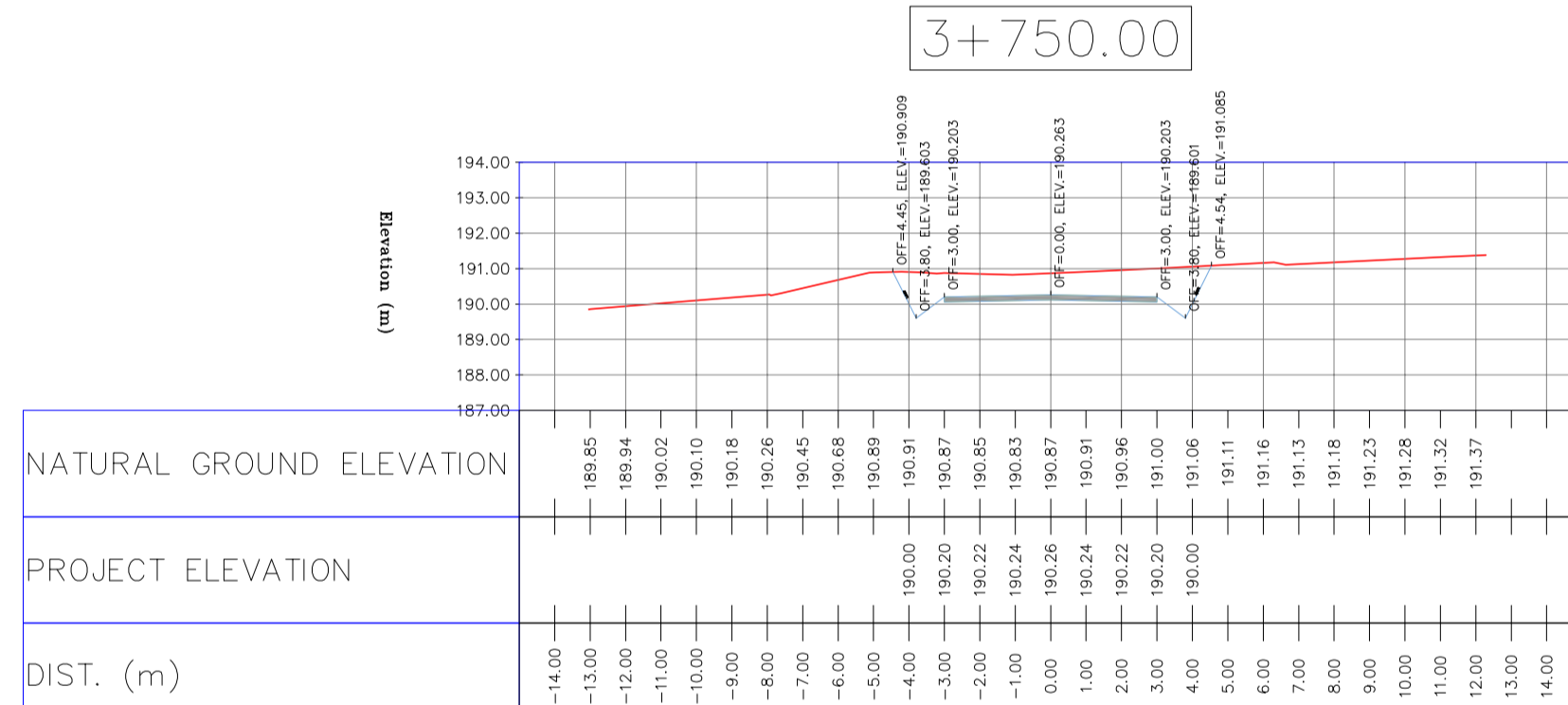
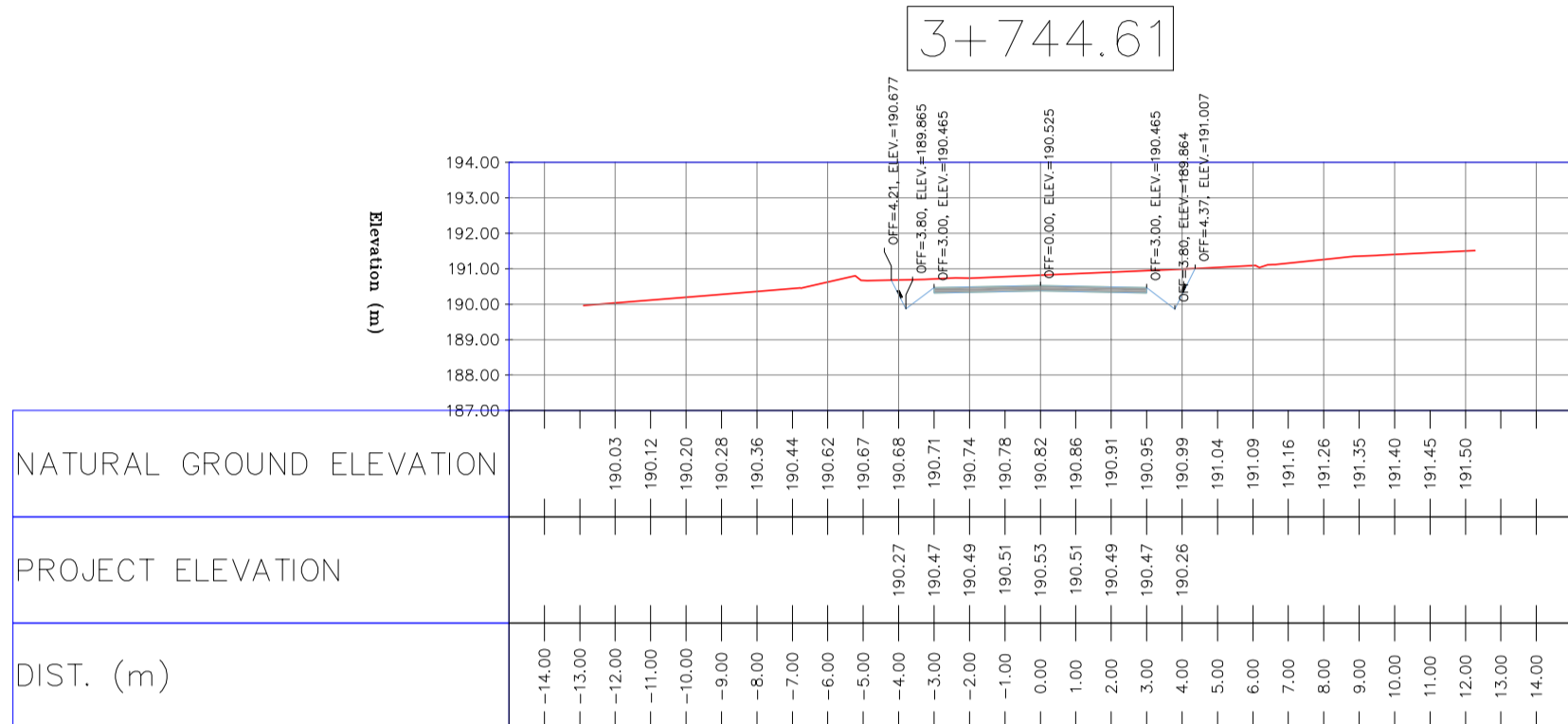
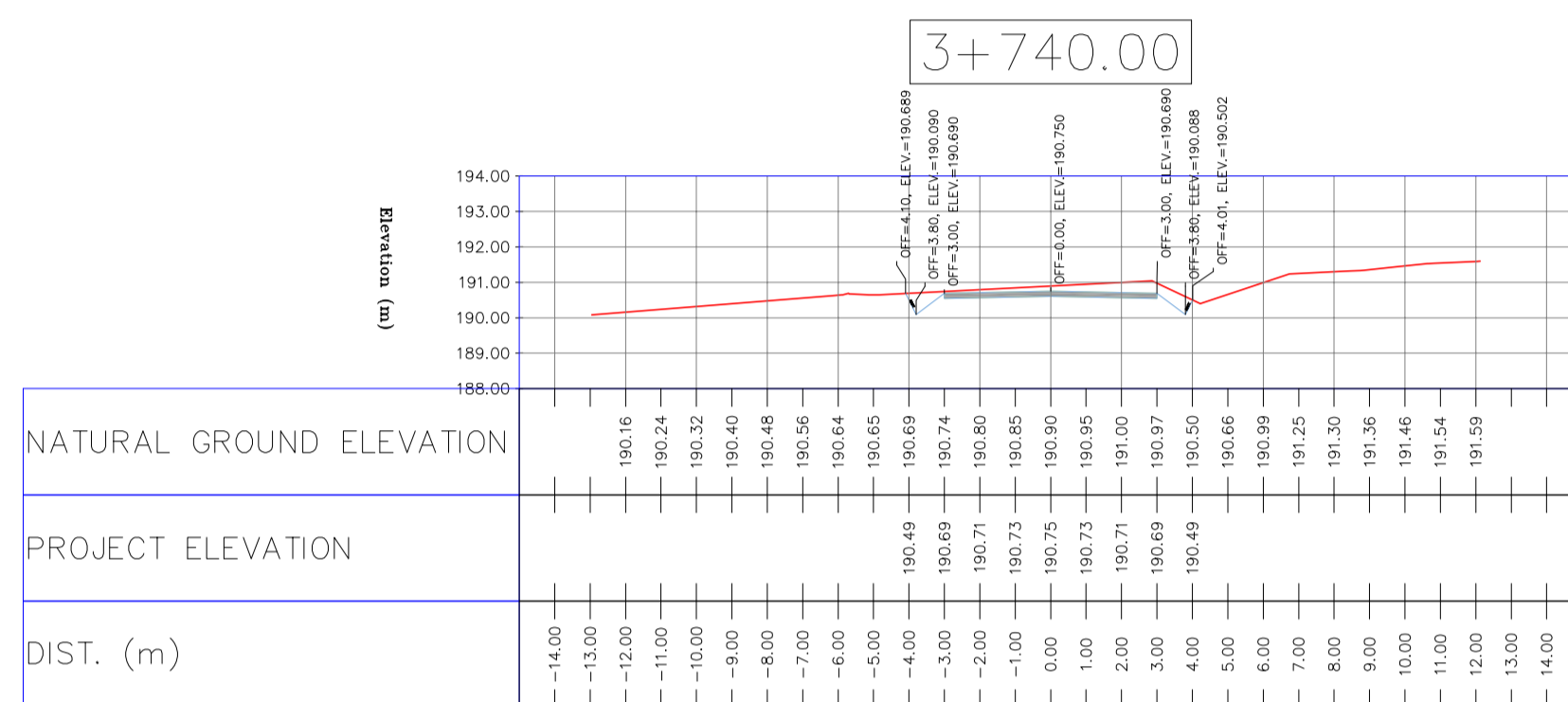
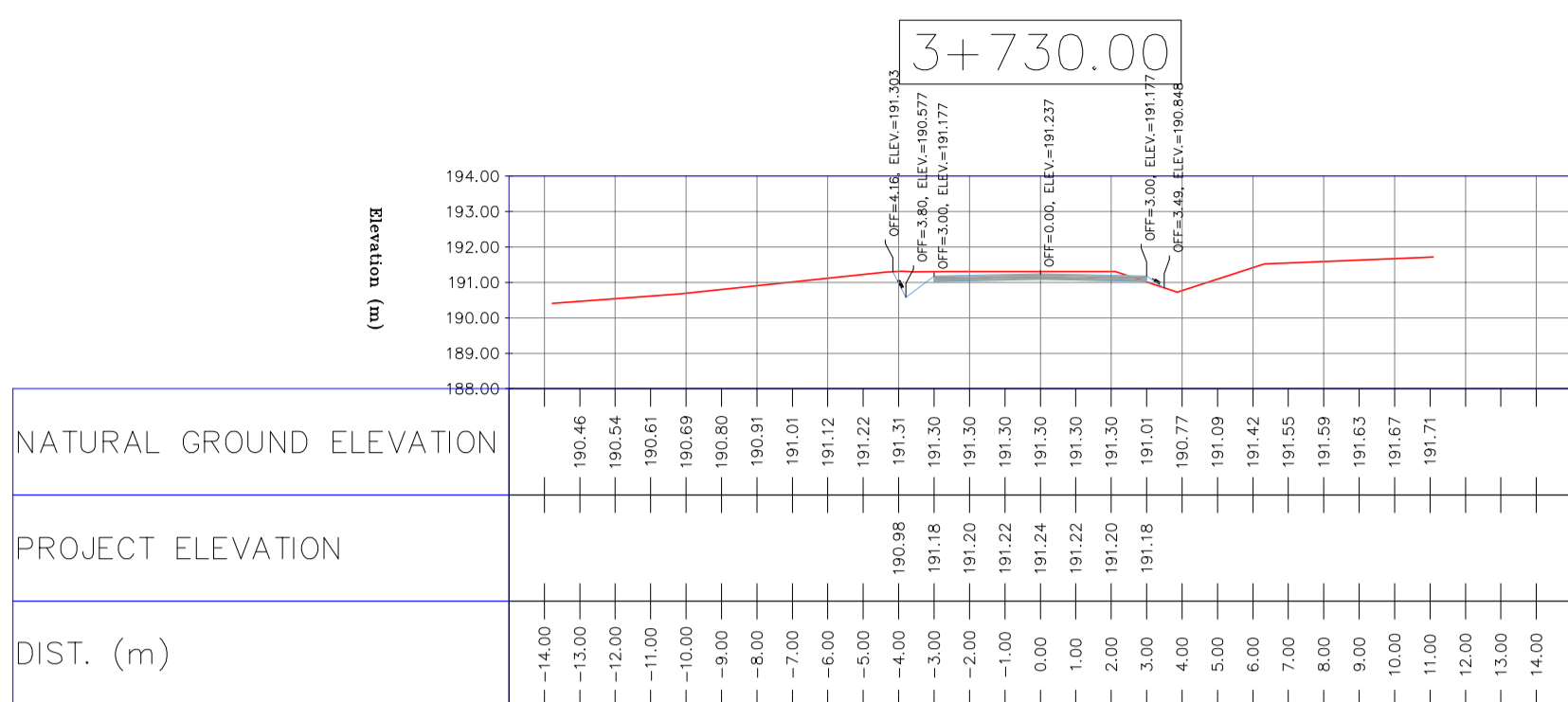
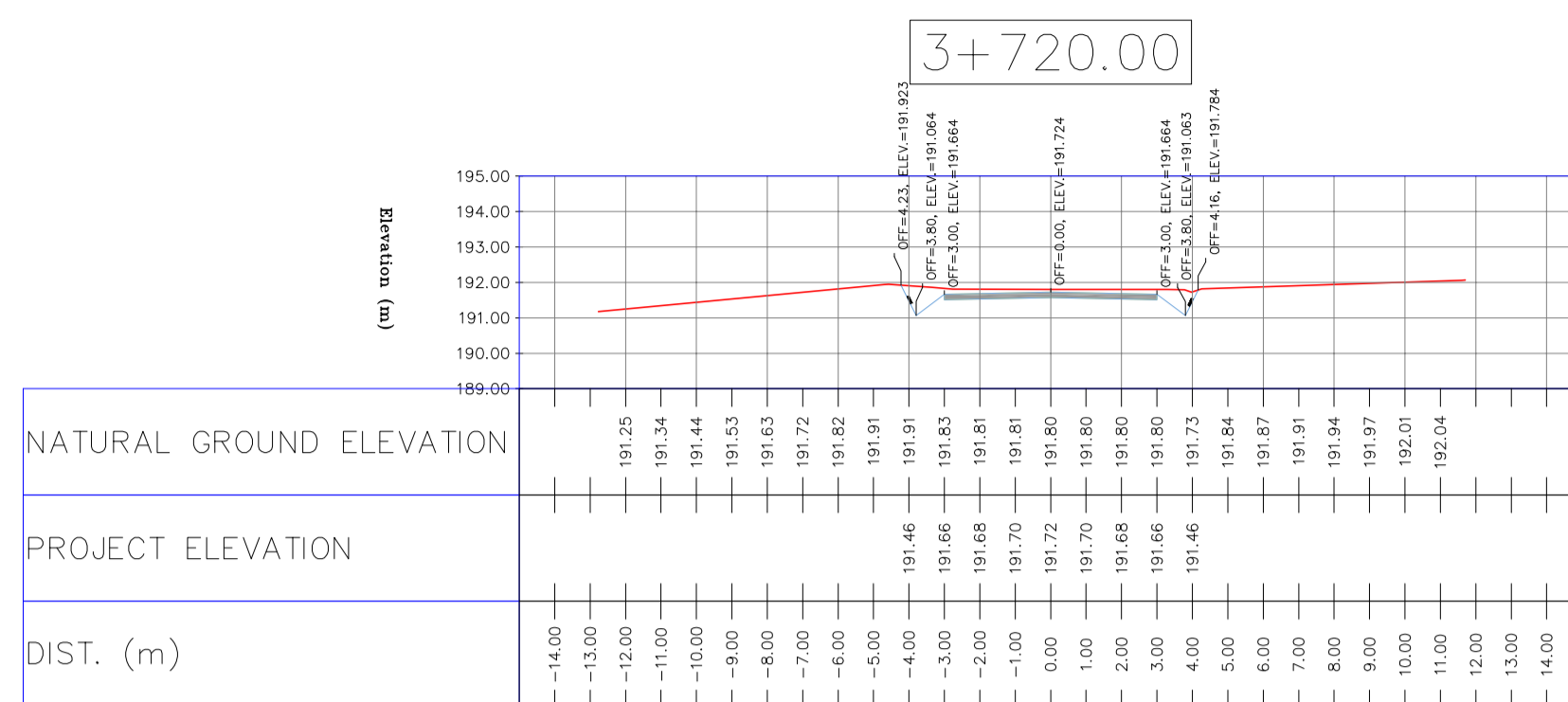
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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

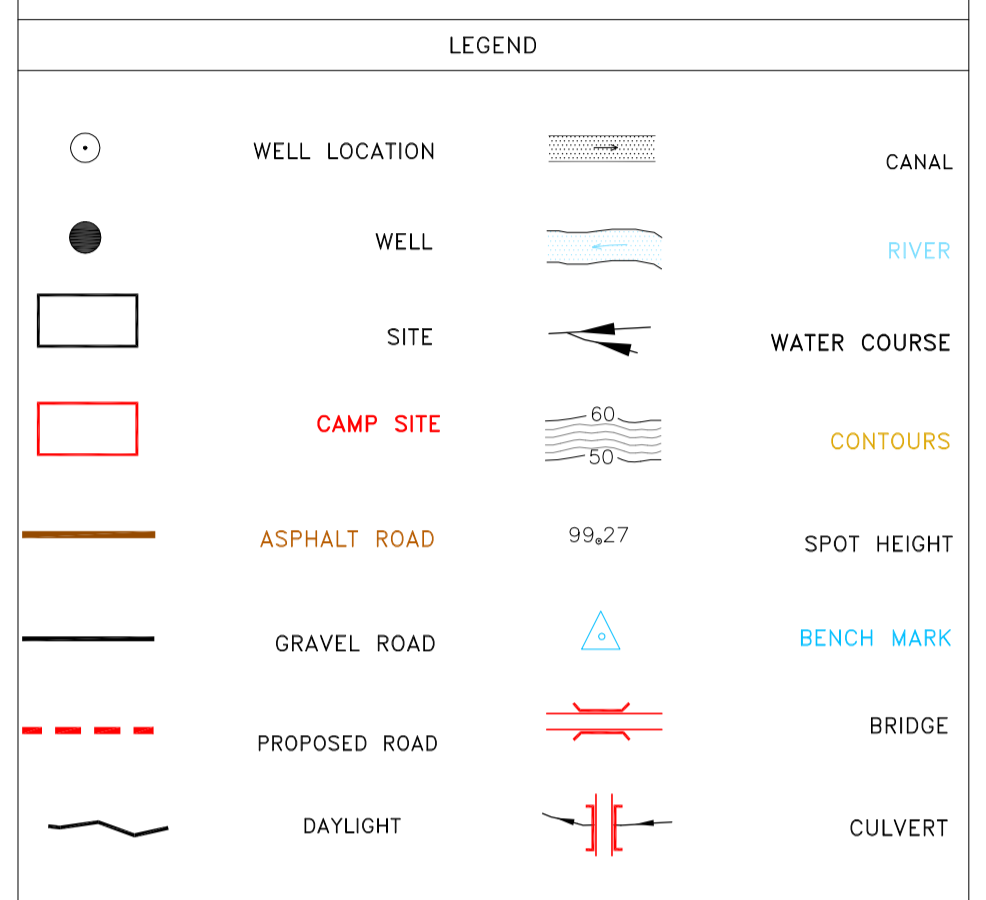
APPROVED FOR CONSTRUCTION	BY:	DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	84 OF 101	D03	053-073-9184	F	4	S	708209	84	D03

TOTALLY REVISED



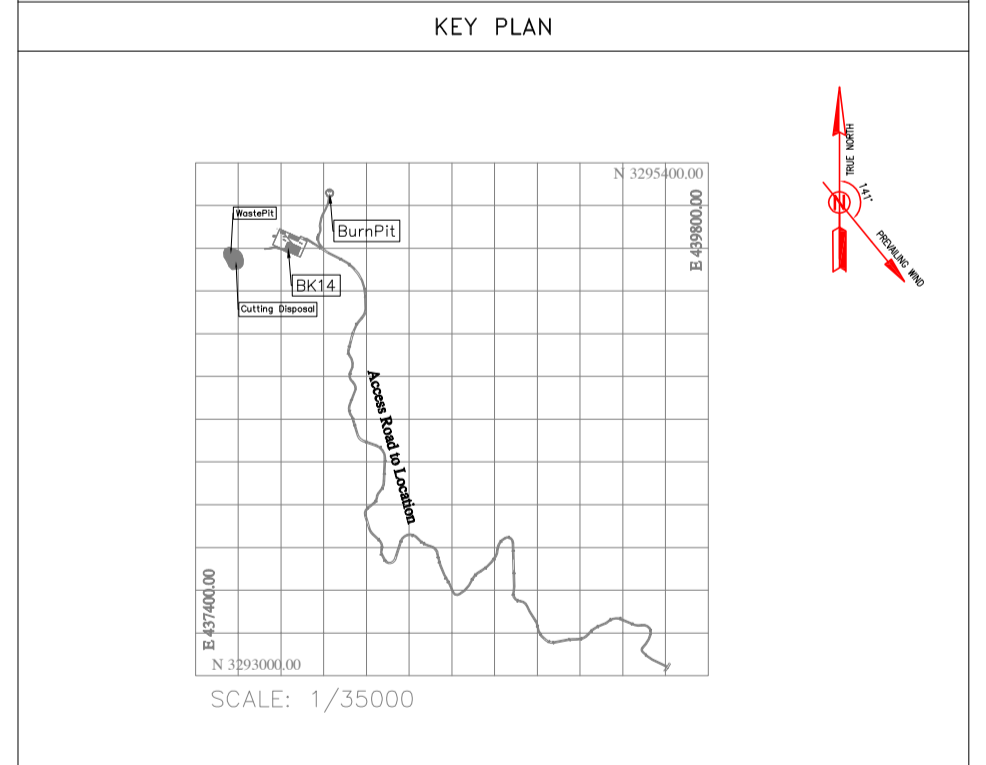
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General Civil Layout -BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

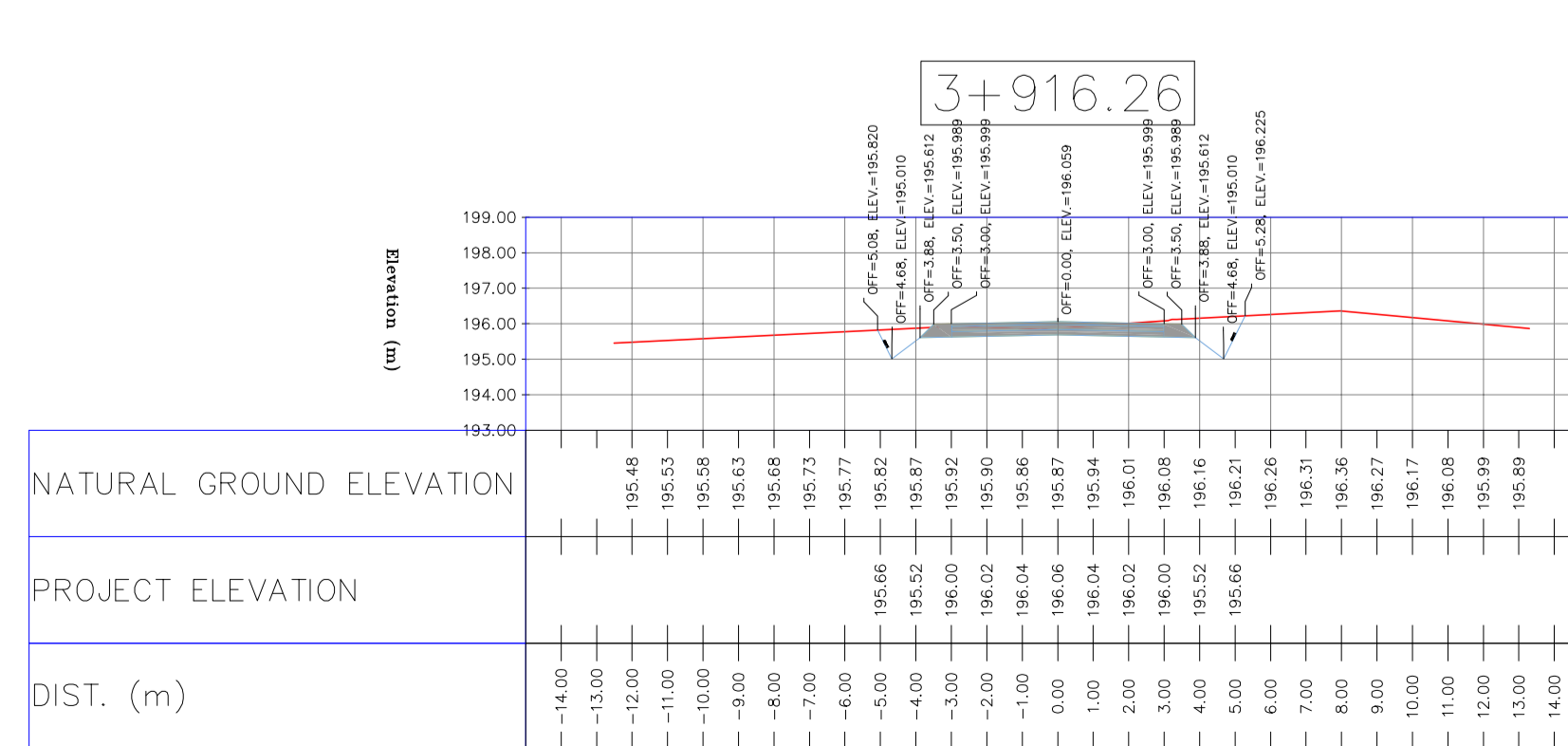
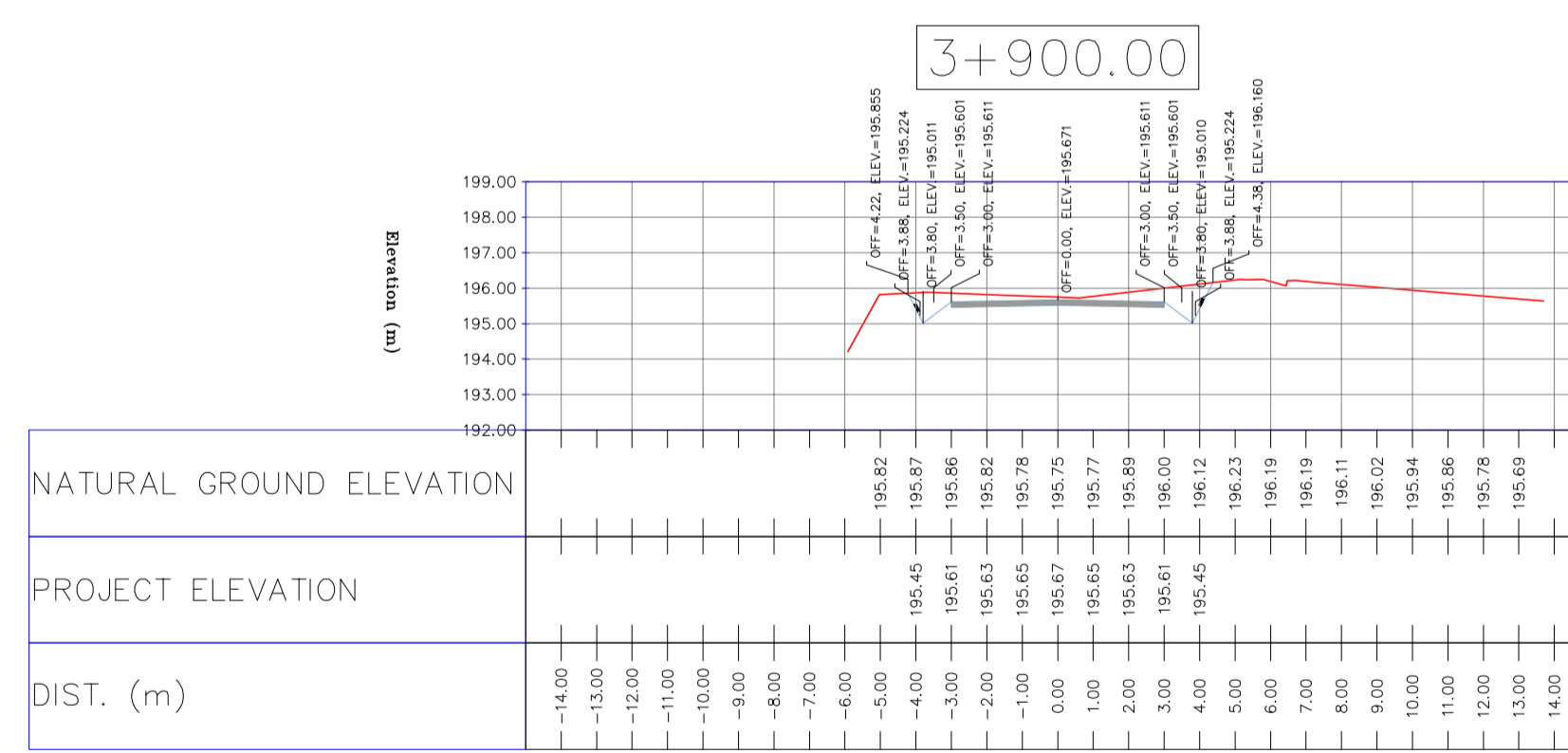
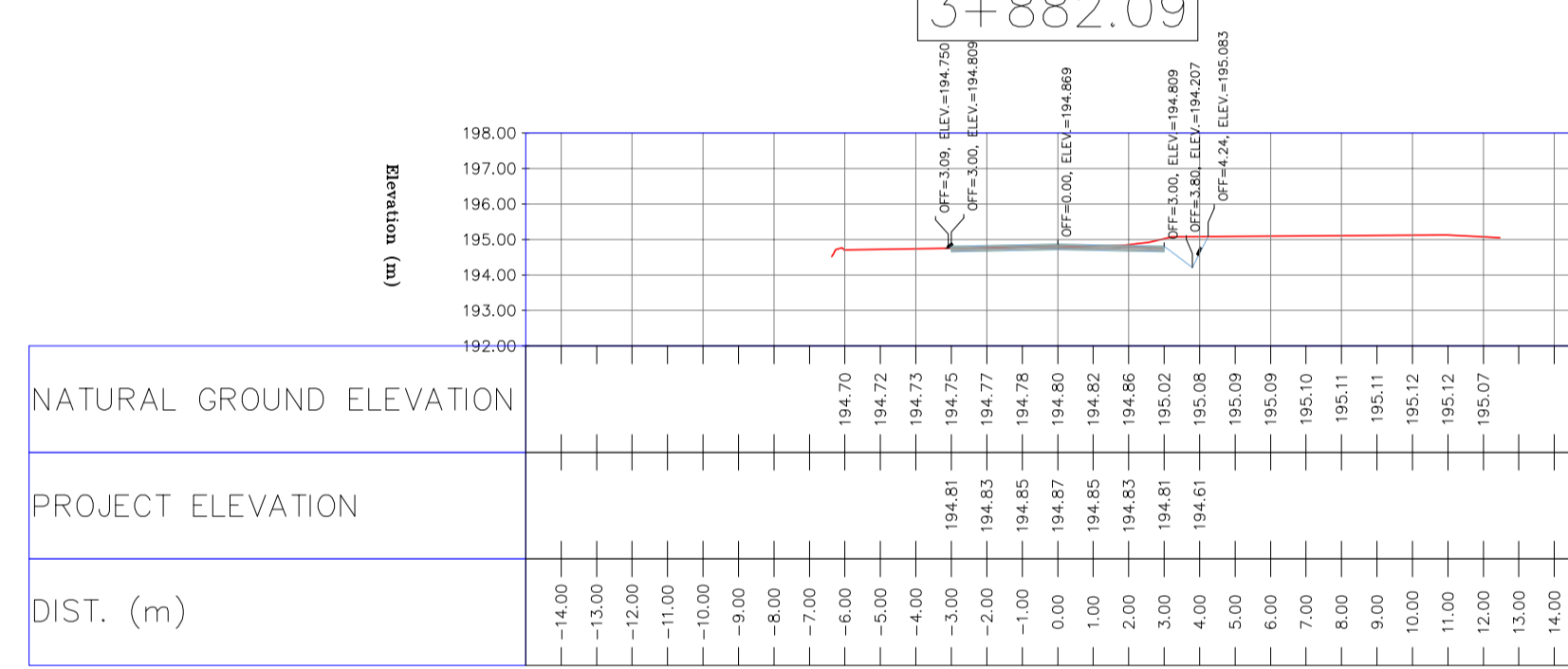
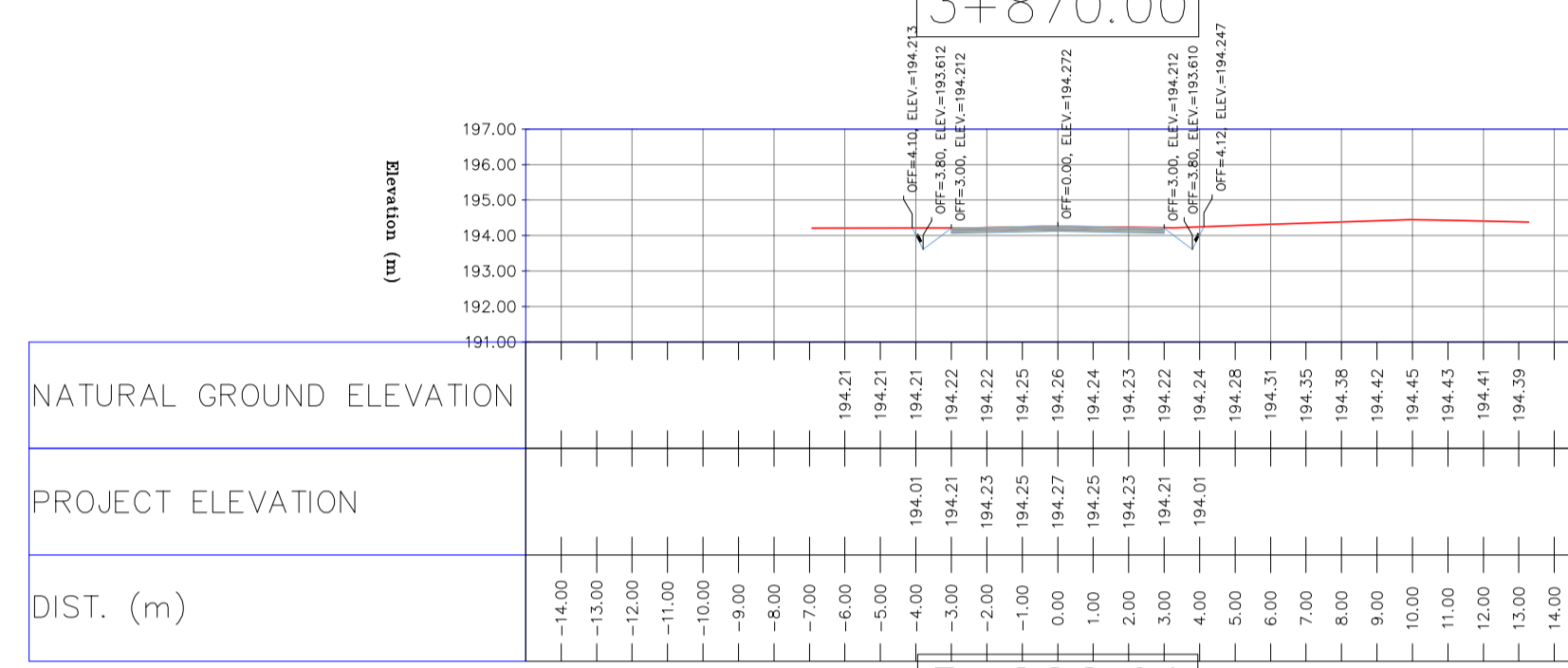
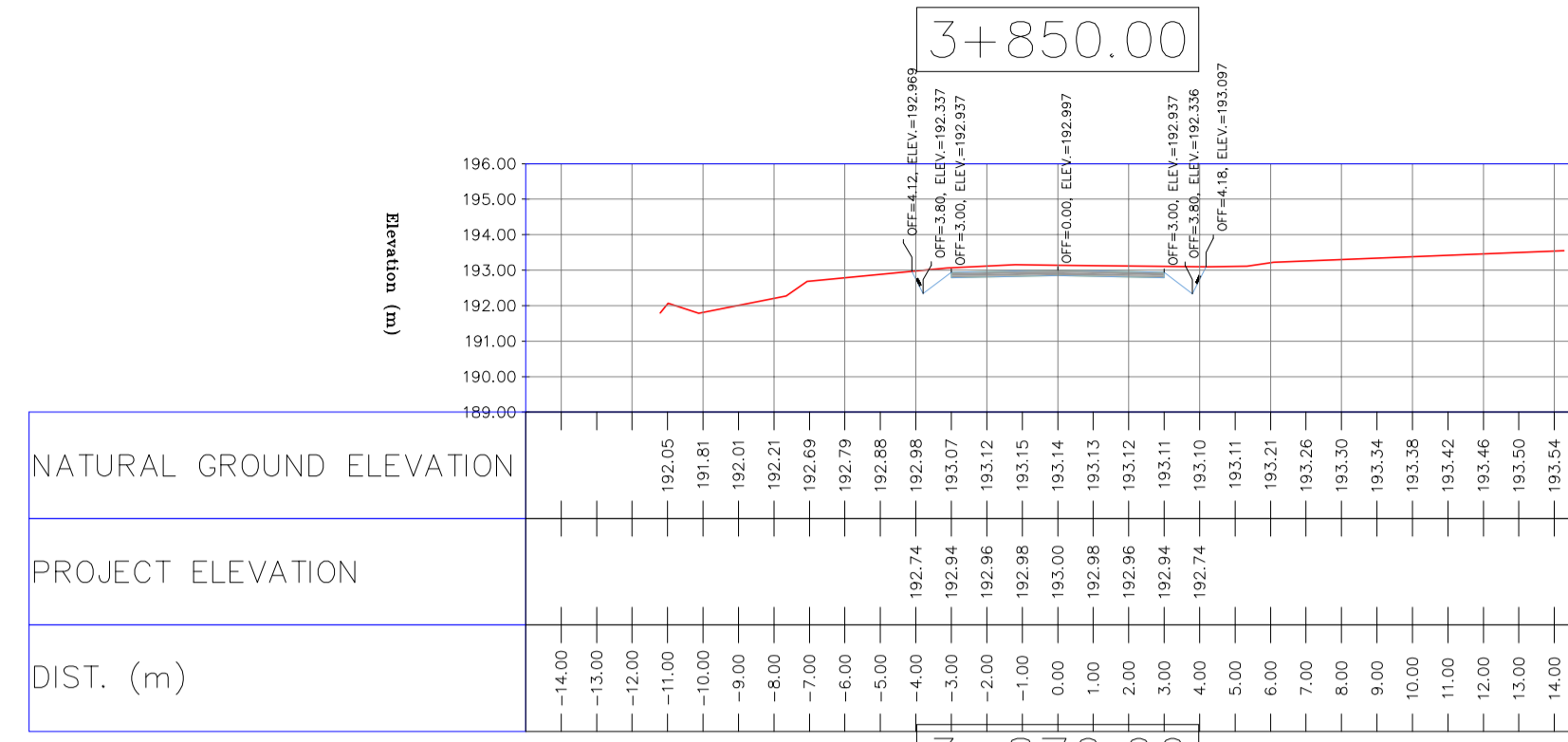
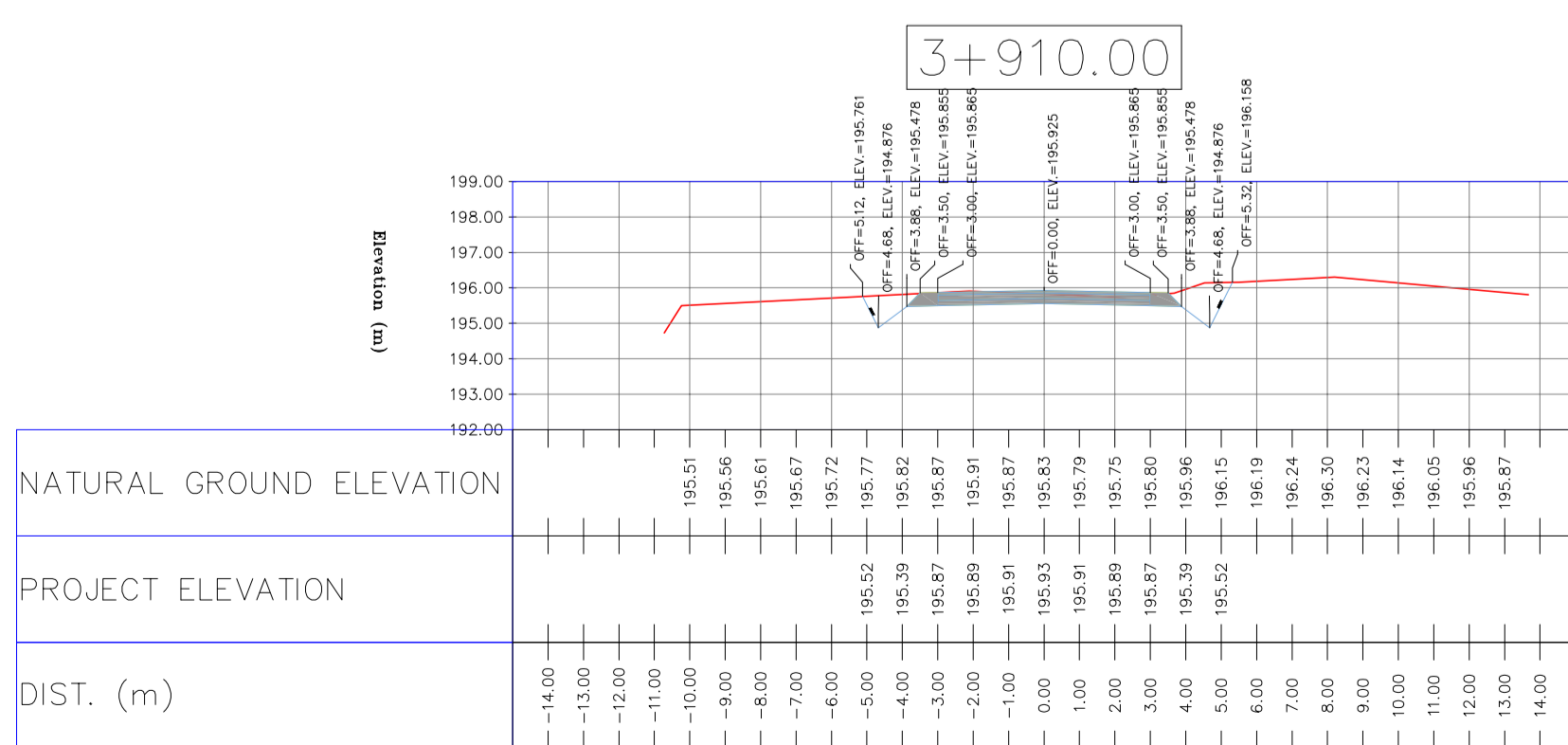
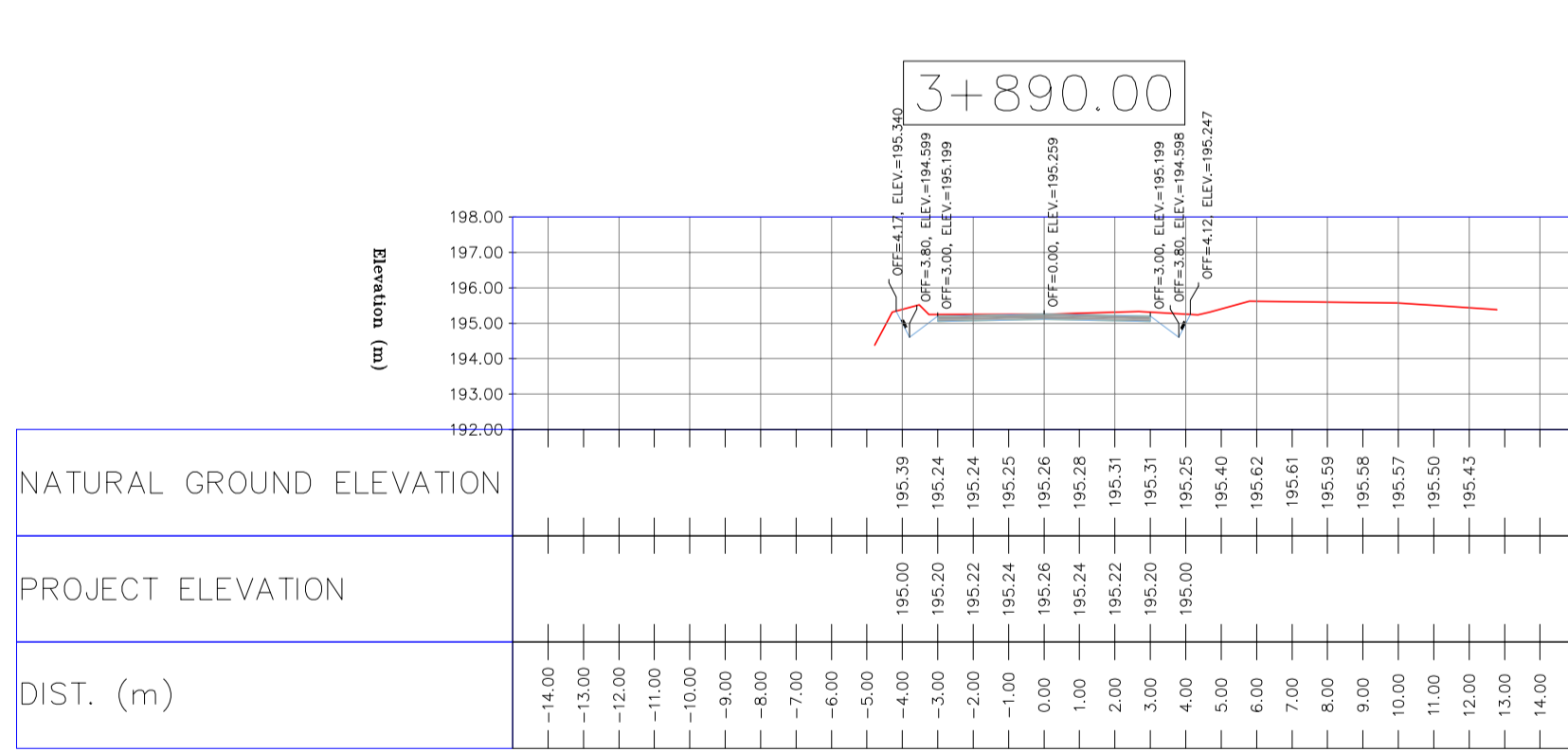
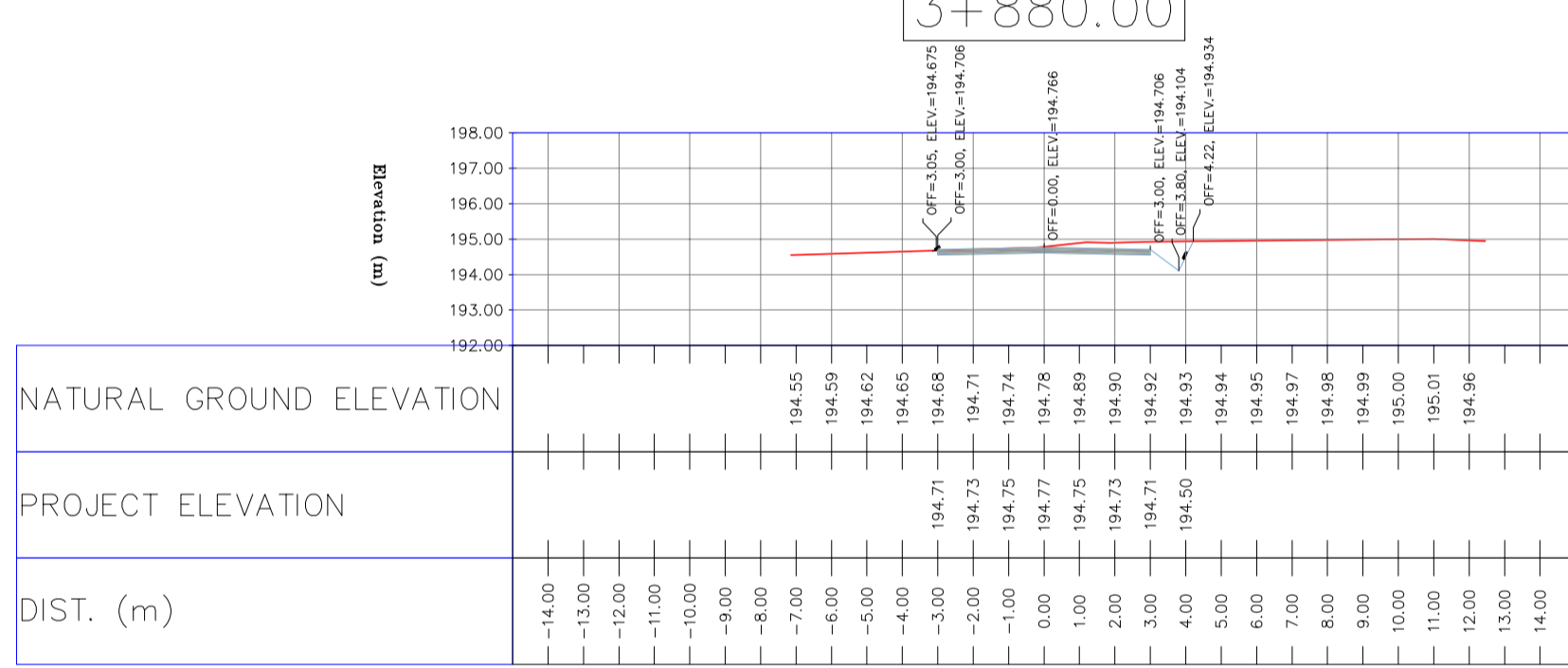
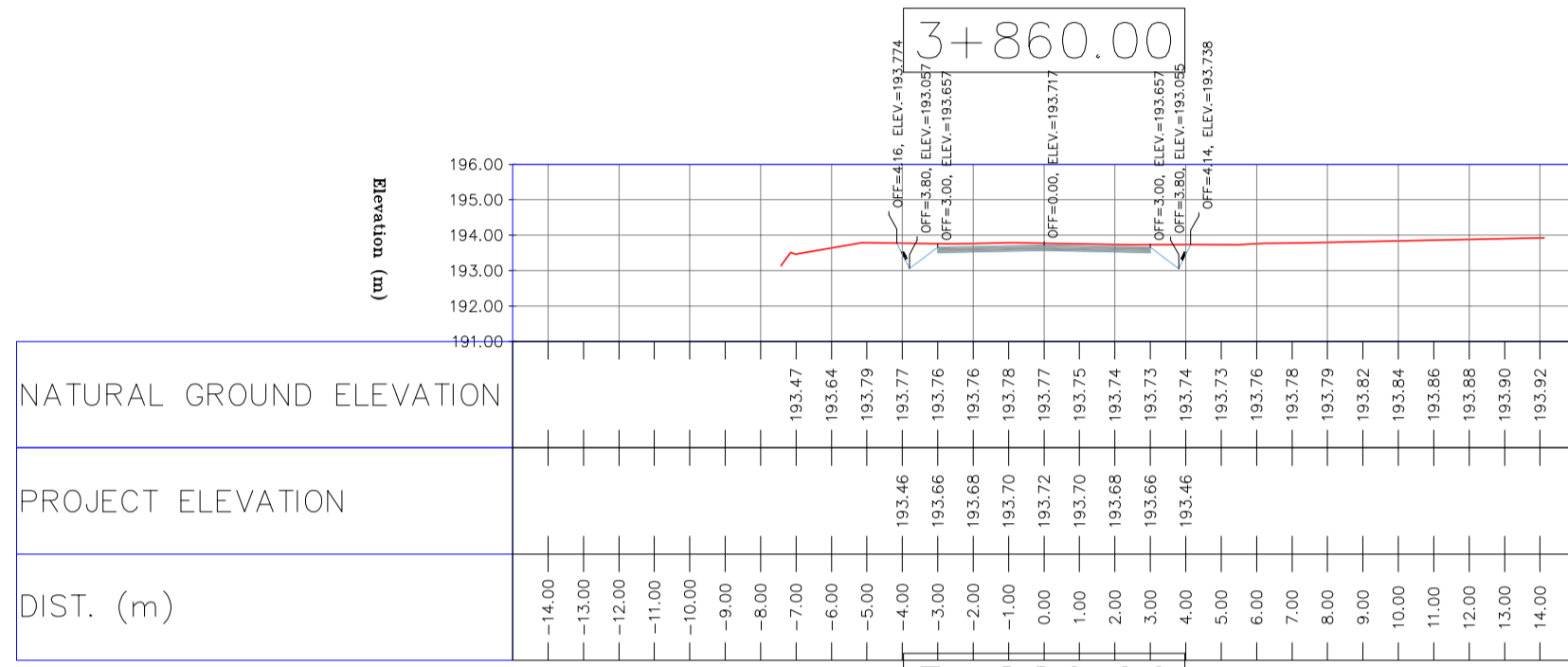
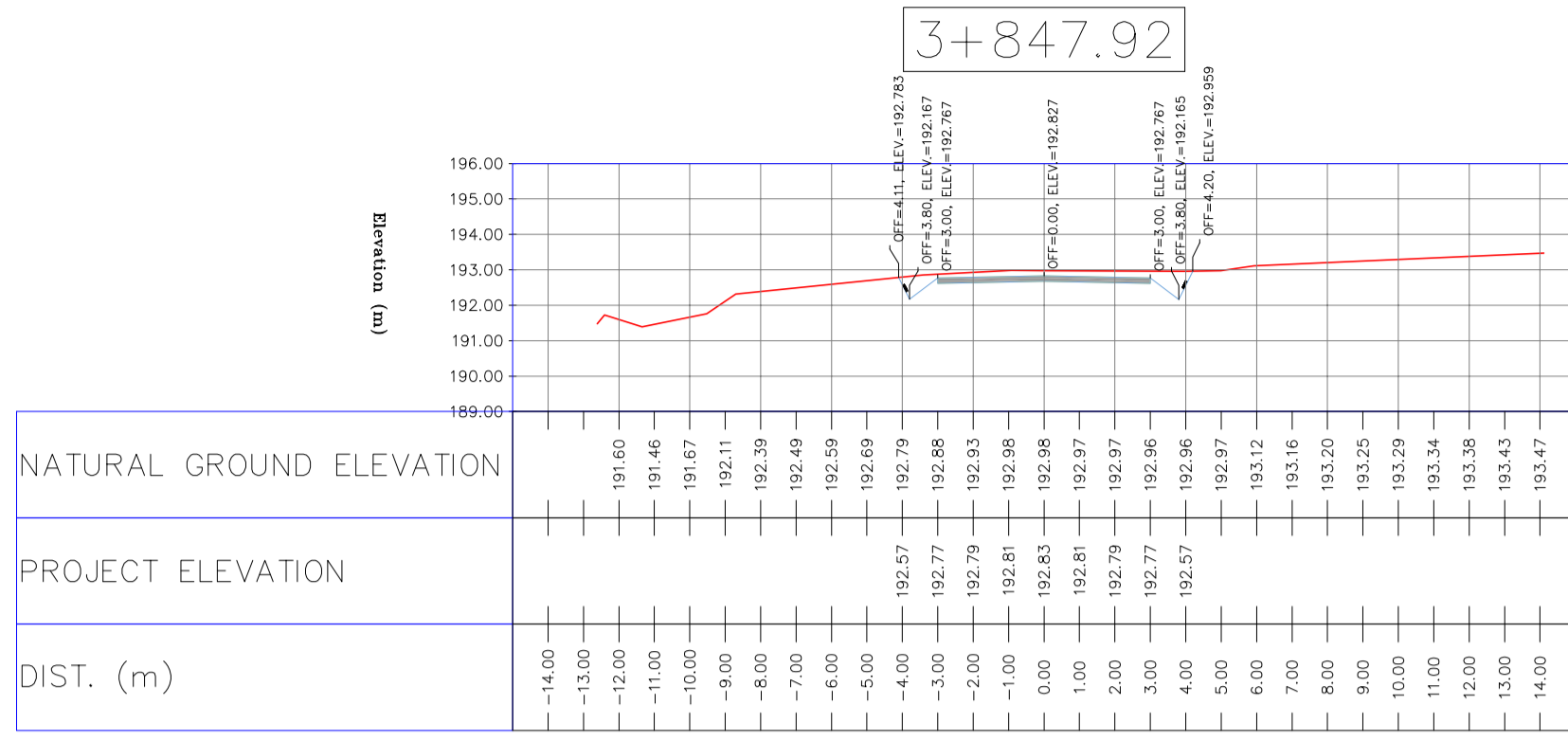
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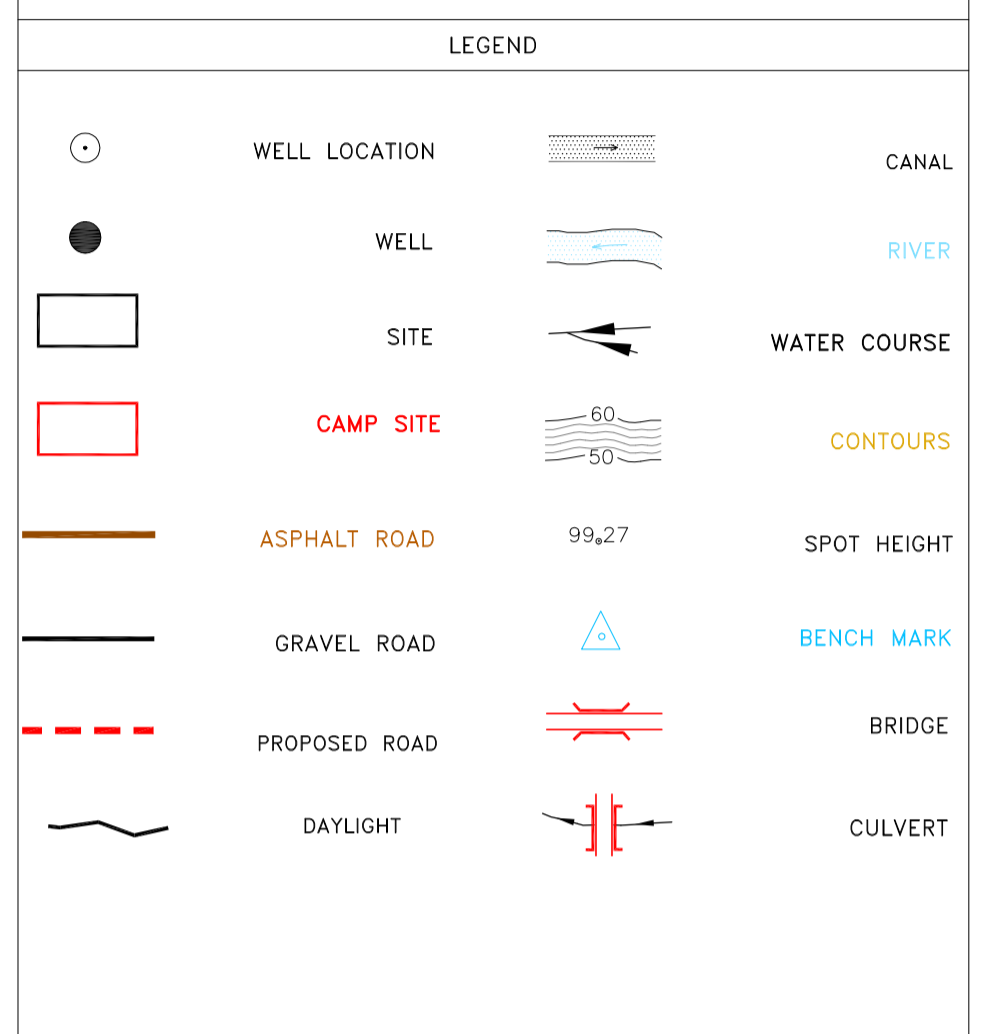
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D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
DOO	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS											
PROJECT NO.: 971020											
EPC CONTRACTOR: 		EPD/EPC CONTRACTOR(GC): 									
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14											
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED											
APPROVED FOR CONSTRUCTION		BY:		DATE:							
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	86 OF 101	D03	053-073-9184	F	4	S	708209	86	D03

TOTALLY REVISED

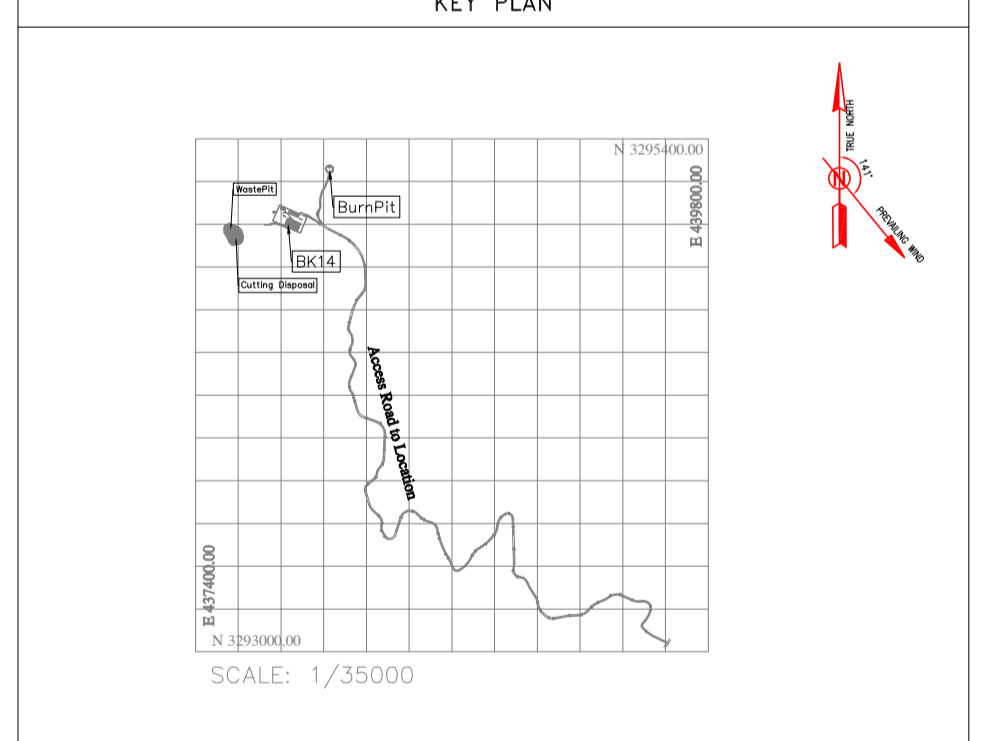


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 DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
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REFERENCE DRAWING	DRG. No.
General Civil Layout -BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
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Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***				
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
 PROJECT NO.: 971020

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DATE: SCALE: DRAWING BY: CHECKED BY: PROJECT ENG.

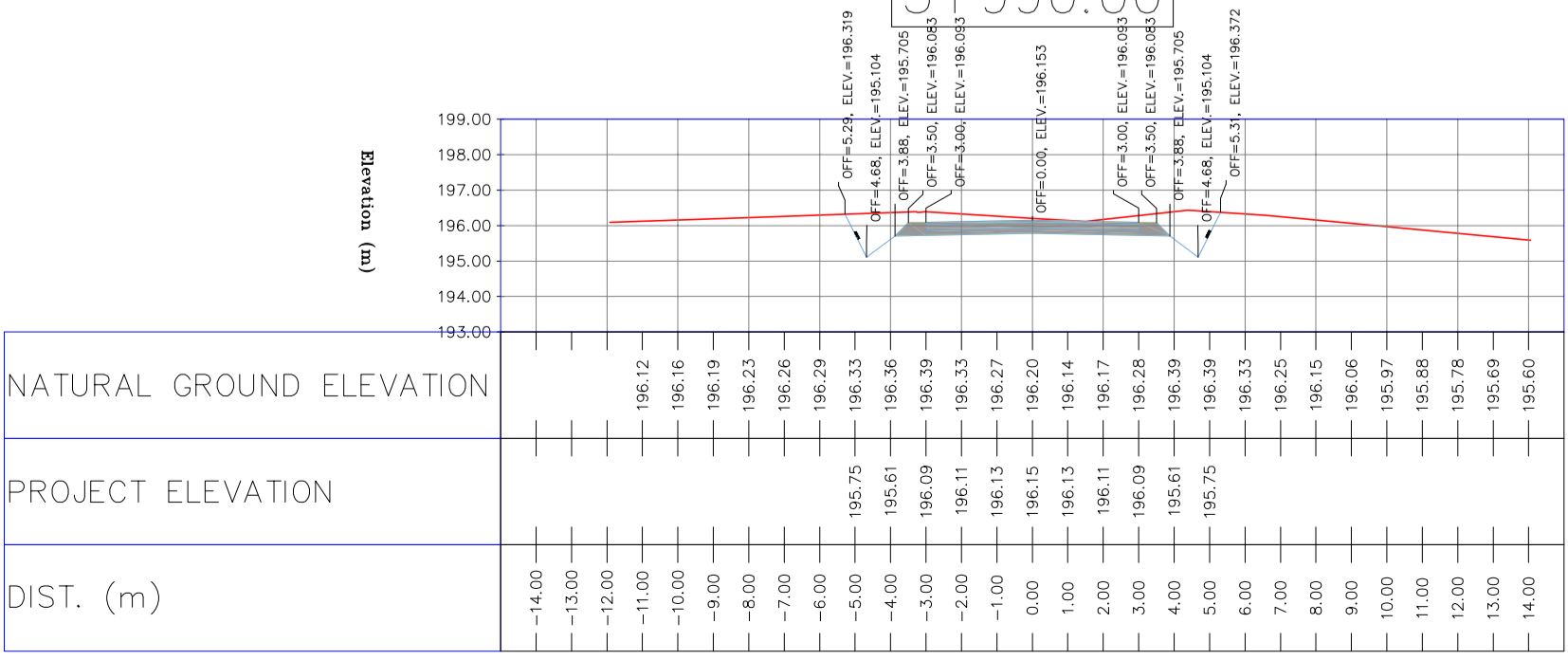
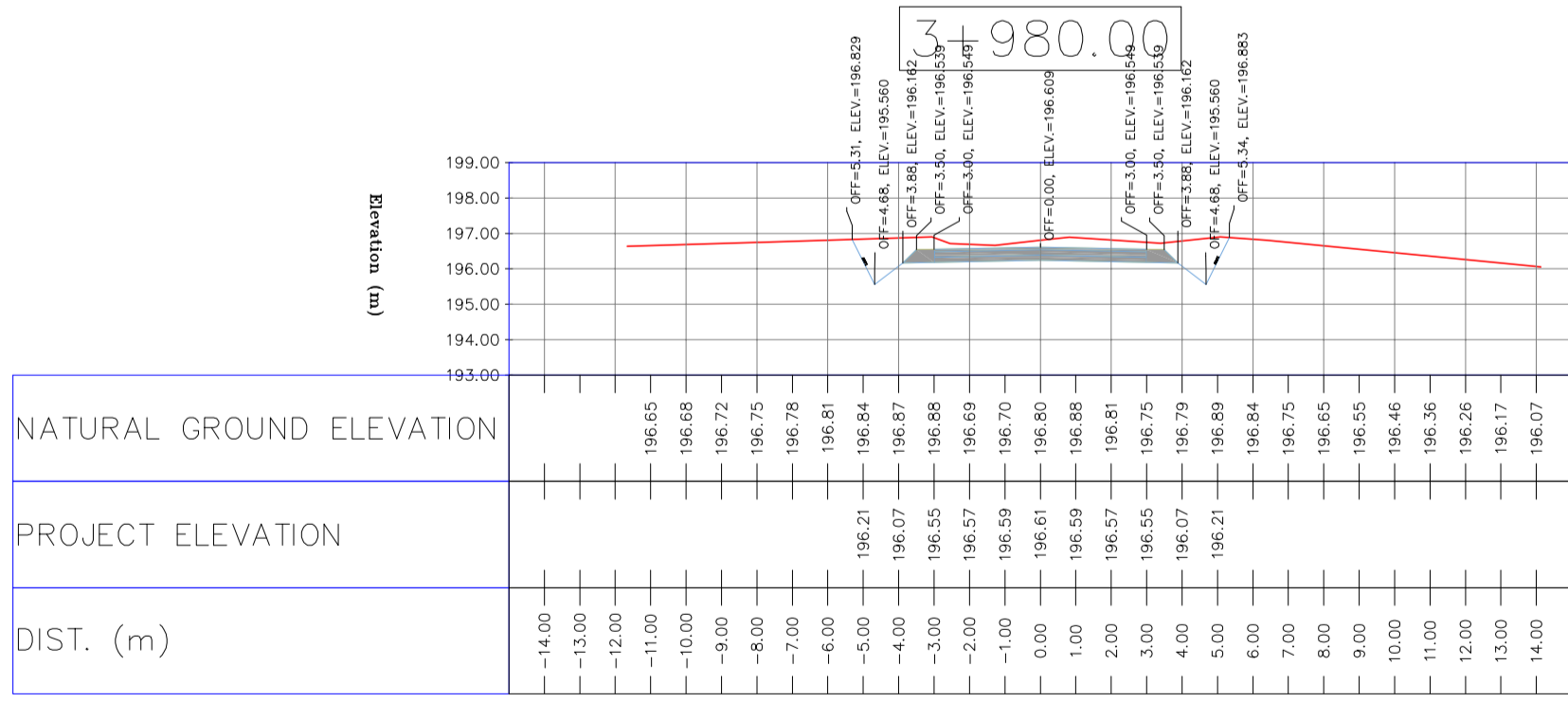
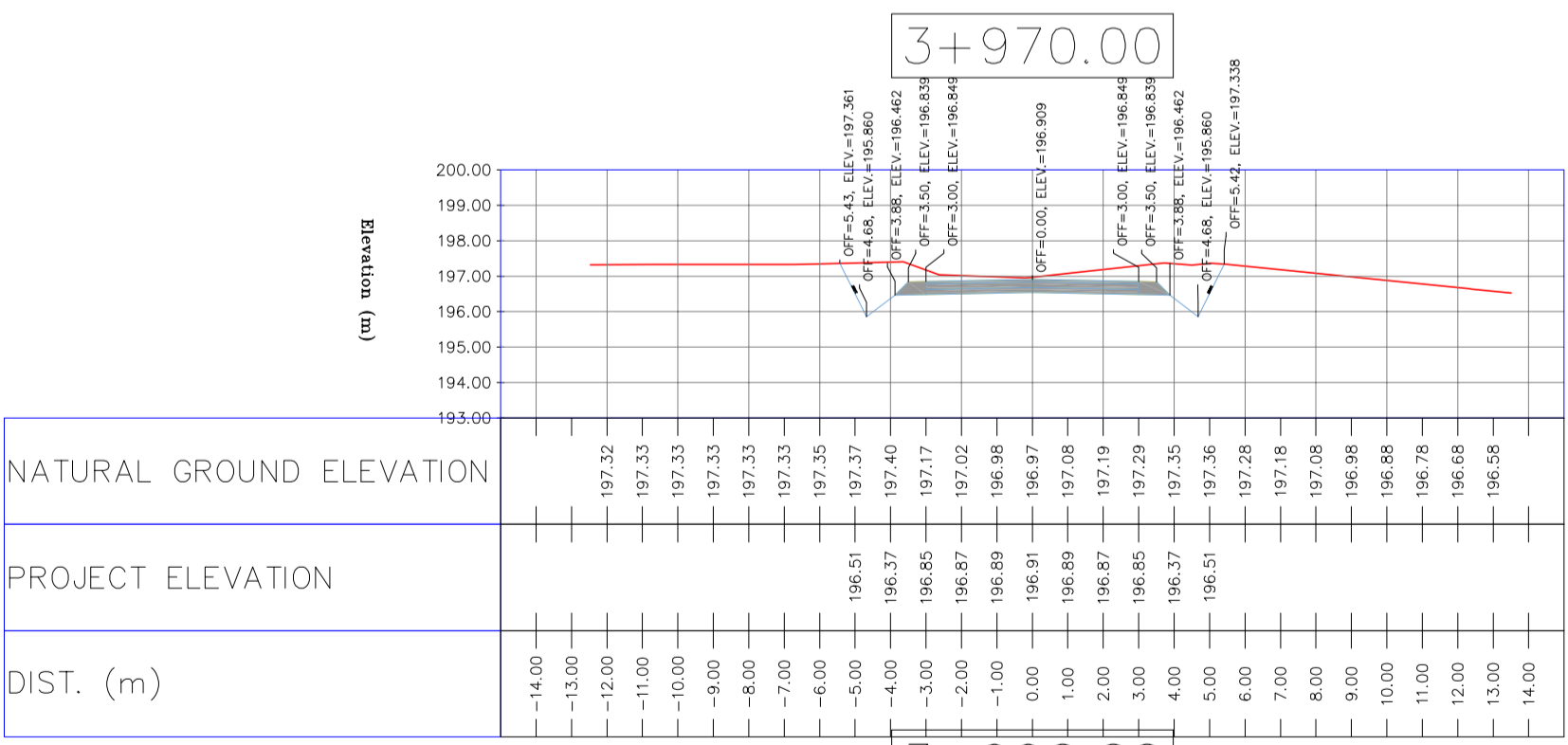
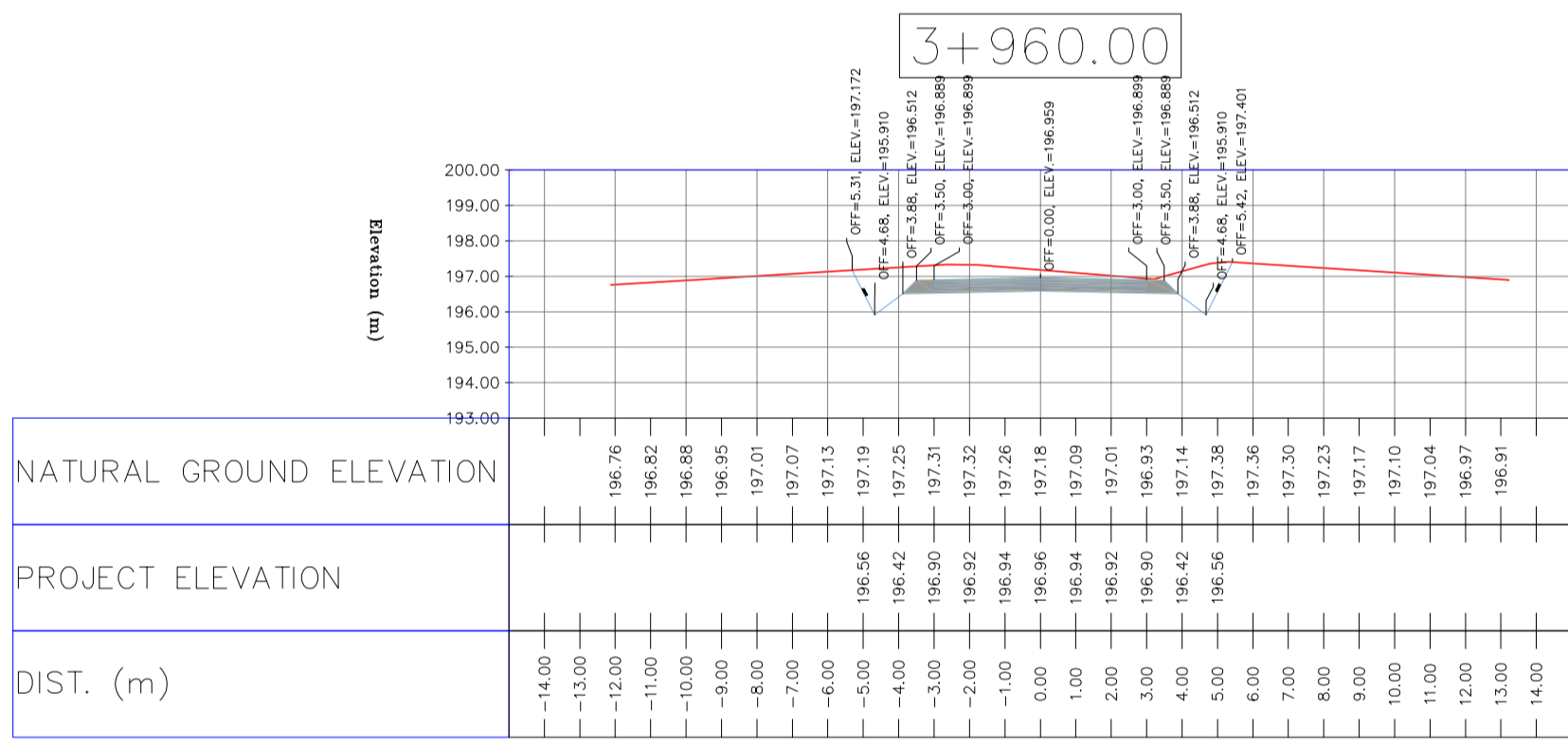
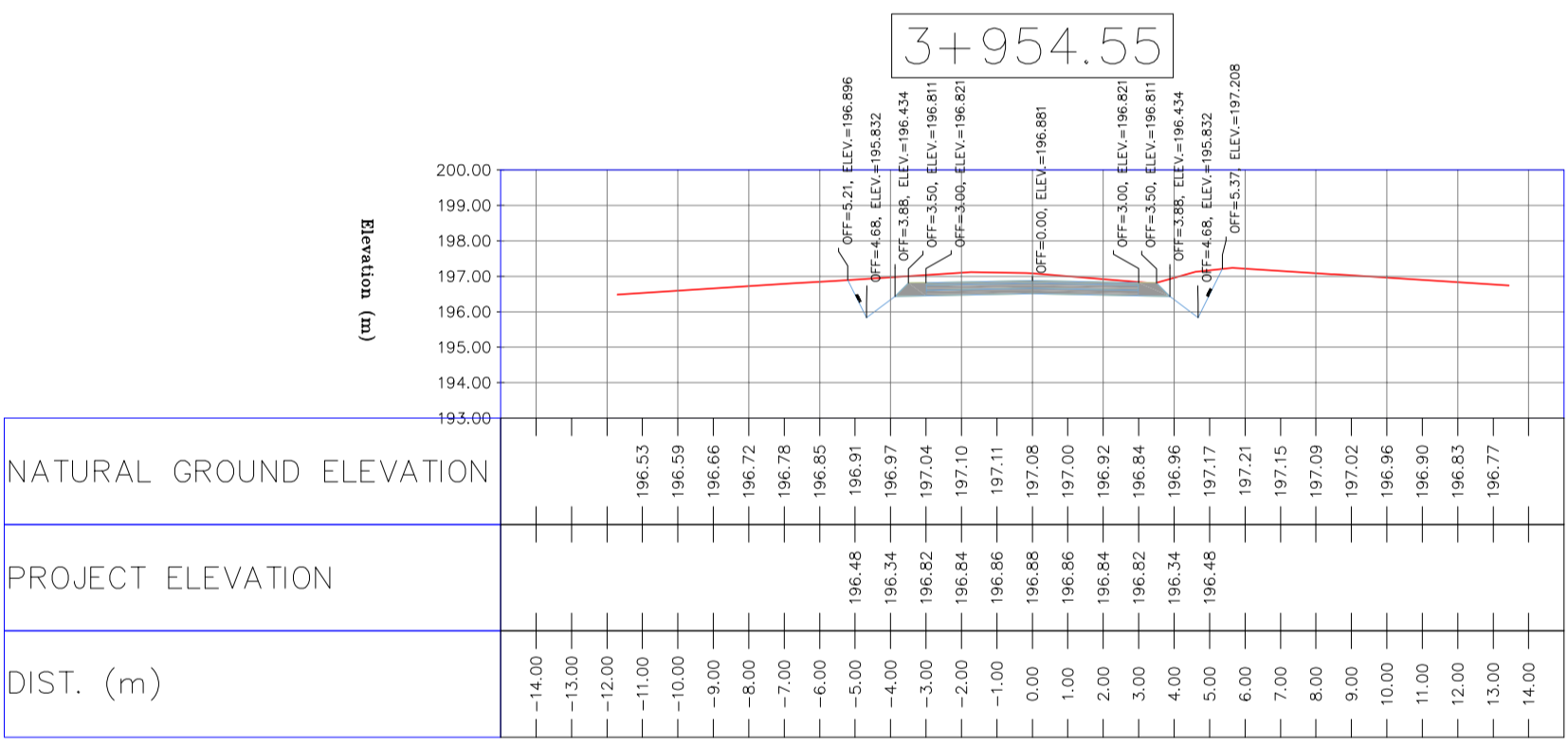
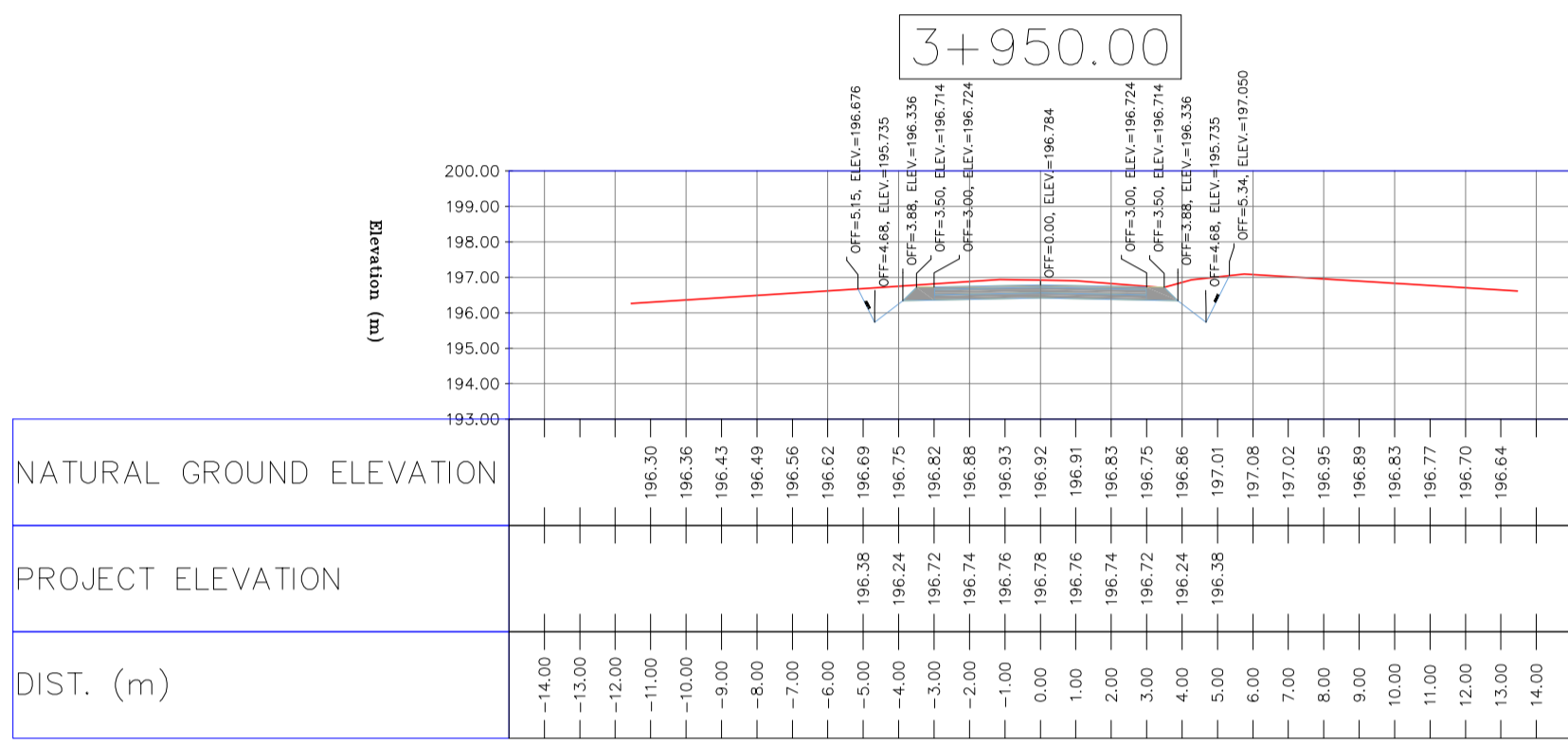
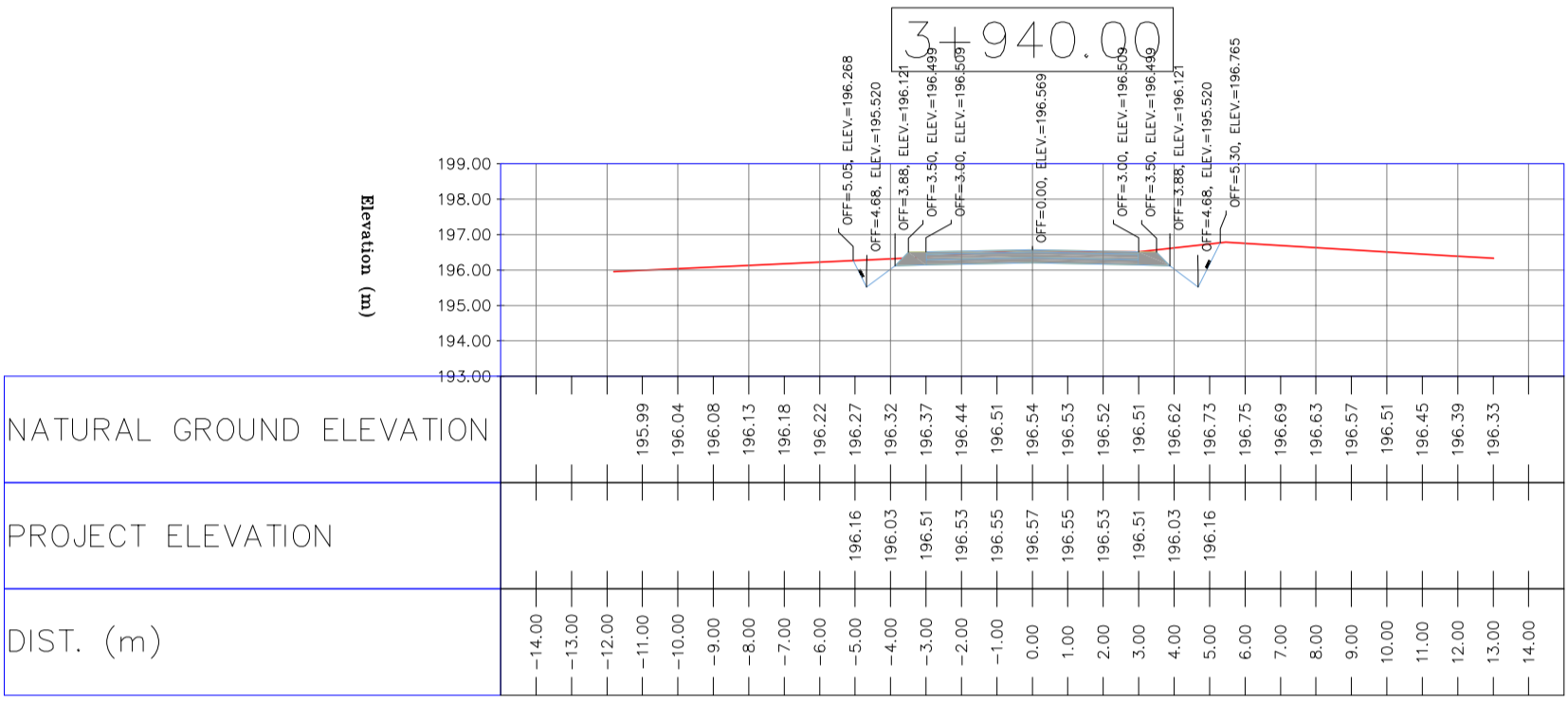
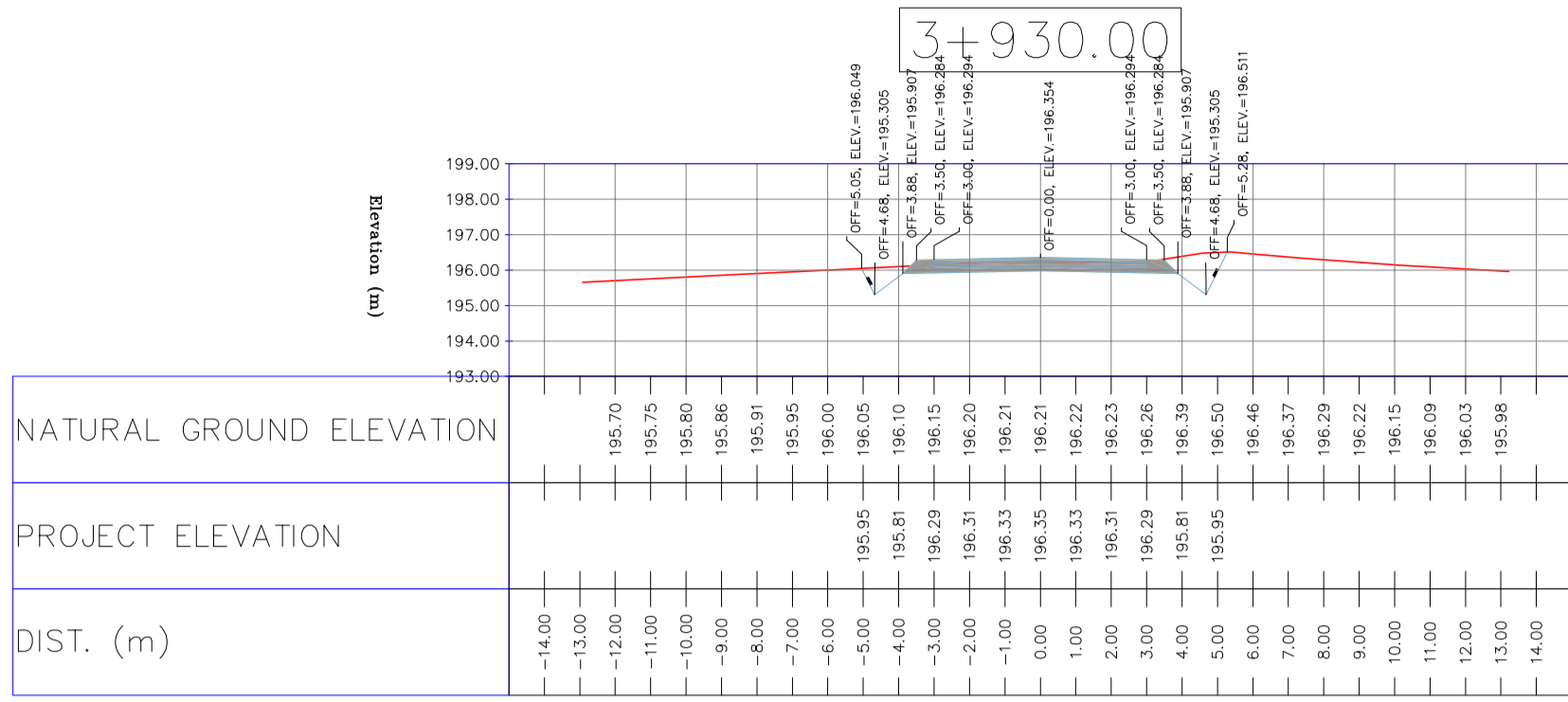
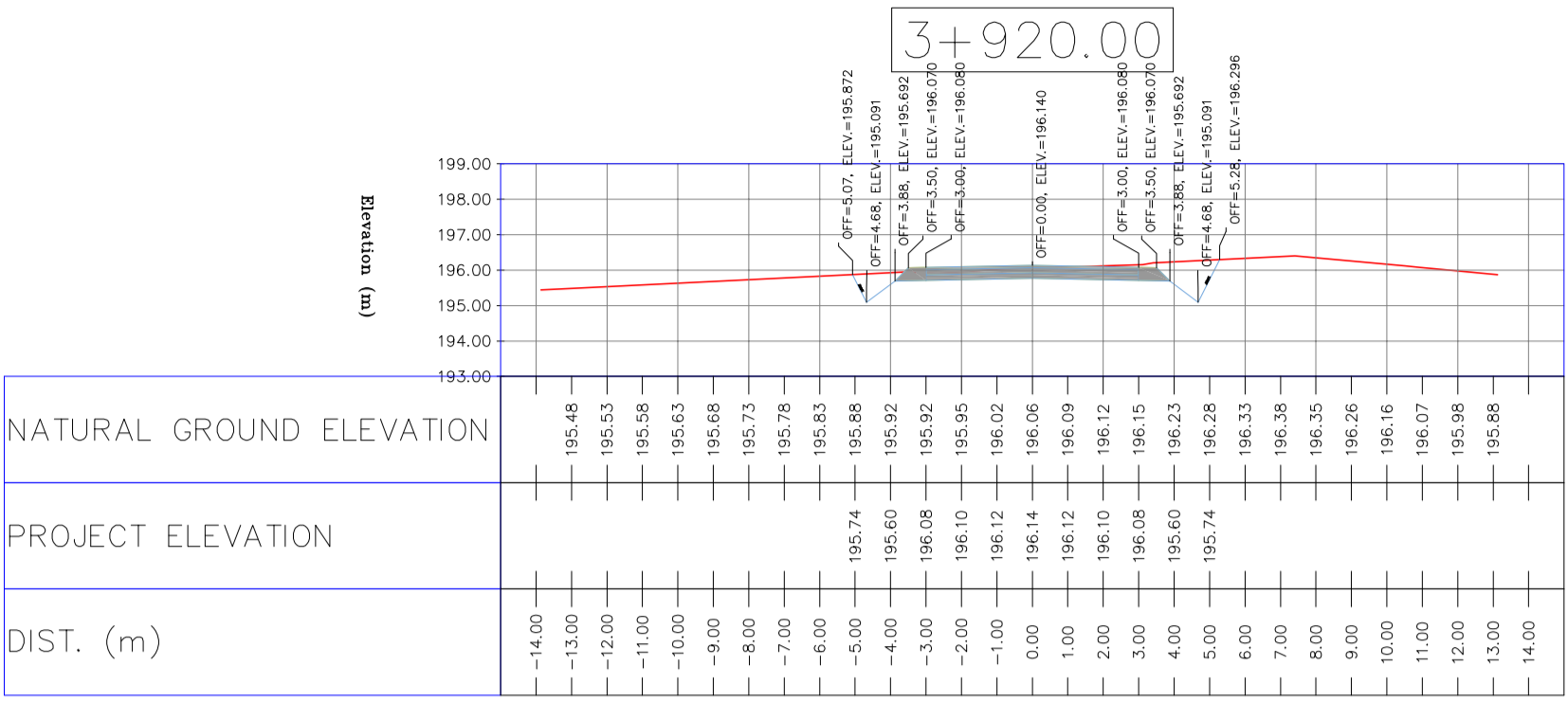
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APPROVED FOR CONSTRUCTION BY: DATE:

DRAWING TITLE:	SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
CIVIL AND STRUCTURAL DRAWINGS - BK14	H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	88 OF 101	D03	053-073-9184	F	4	S	708209	88	D03



TOTALLY REVISED



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LEGEND
WELL LOCATION, WELL, SITE, CAMP SITE, ASPHALT ROAD, GRAVEL ROAD, PROPOSED ROAD, DAYLIGHT, CANAL, RIVER, WATER COURSE, CONTOURS, SPOT HEIGHT, BENCH MARK, BRIDGE, CULVERT.

REFERENCE DRAWING
General Civil Layout - BK14
Rough Grading Plan - BK14
Specification For Earth Work
Standard Drawing For Slope Protection Details
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MTO For Civil Works - BK14

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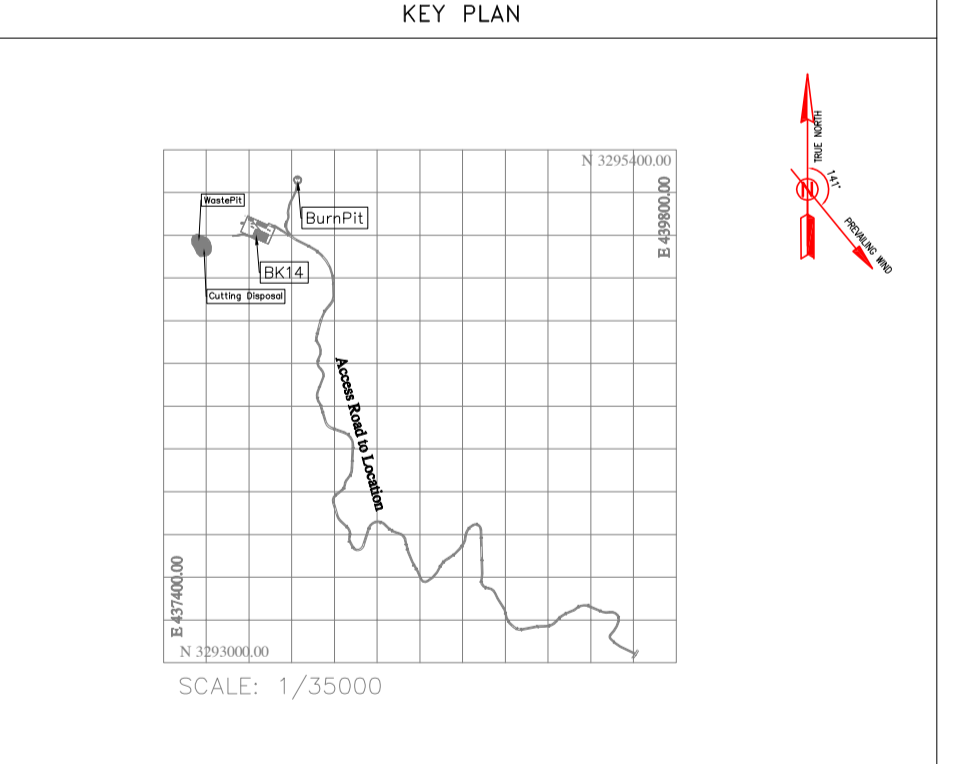
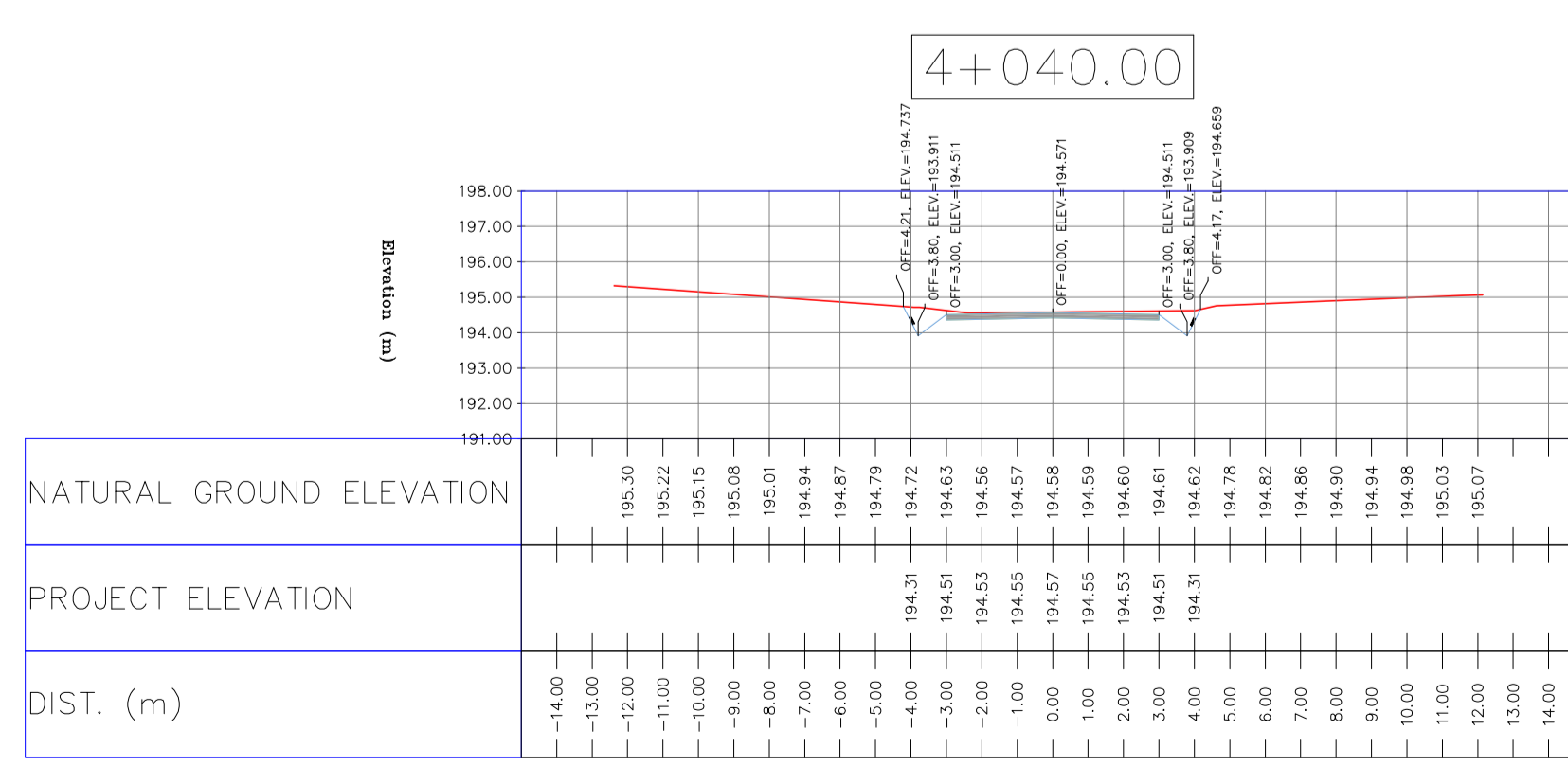
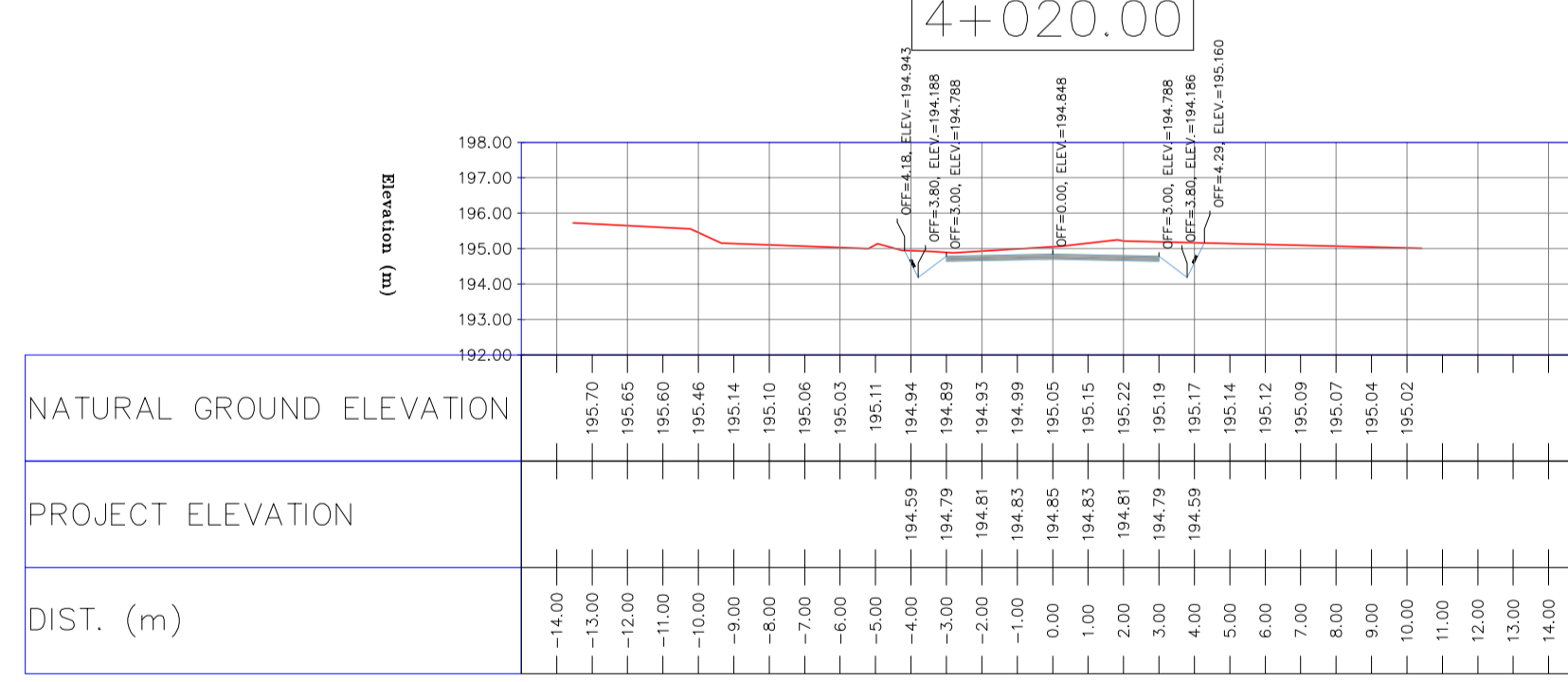
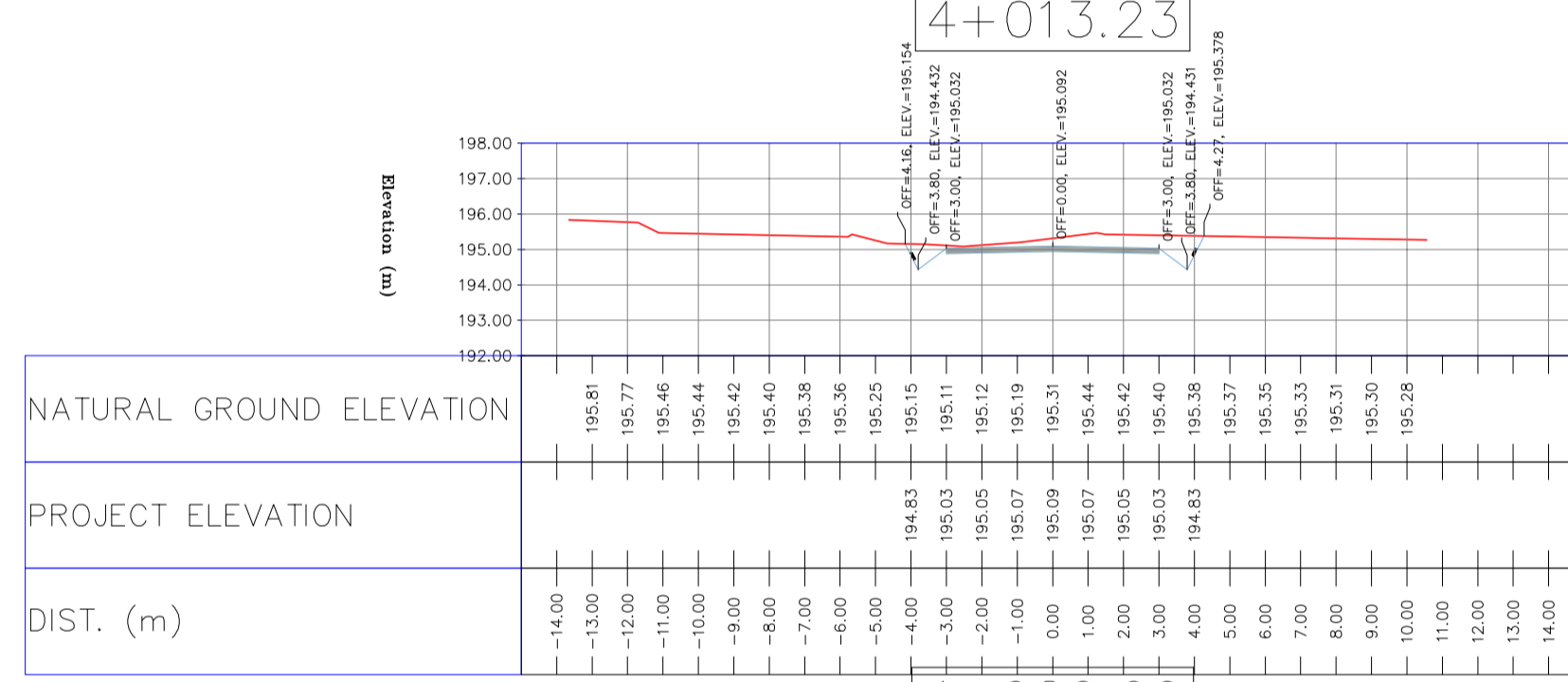
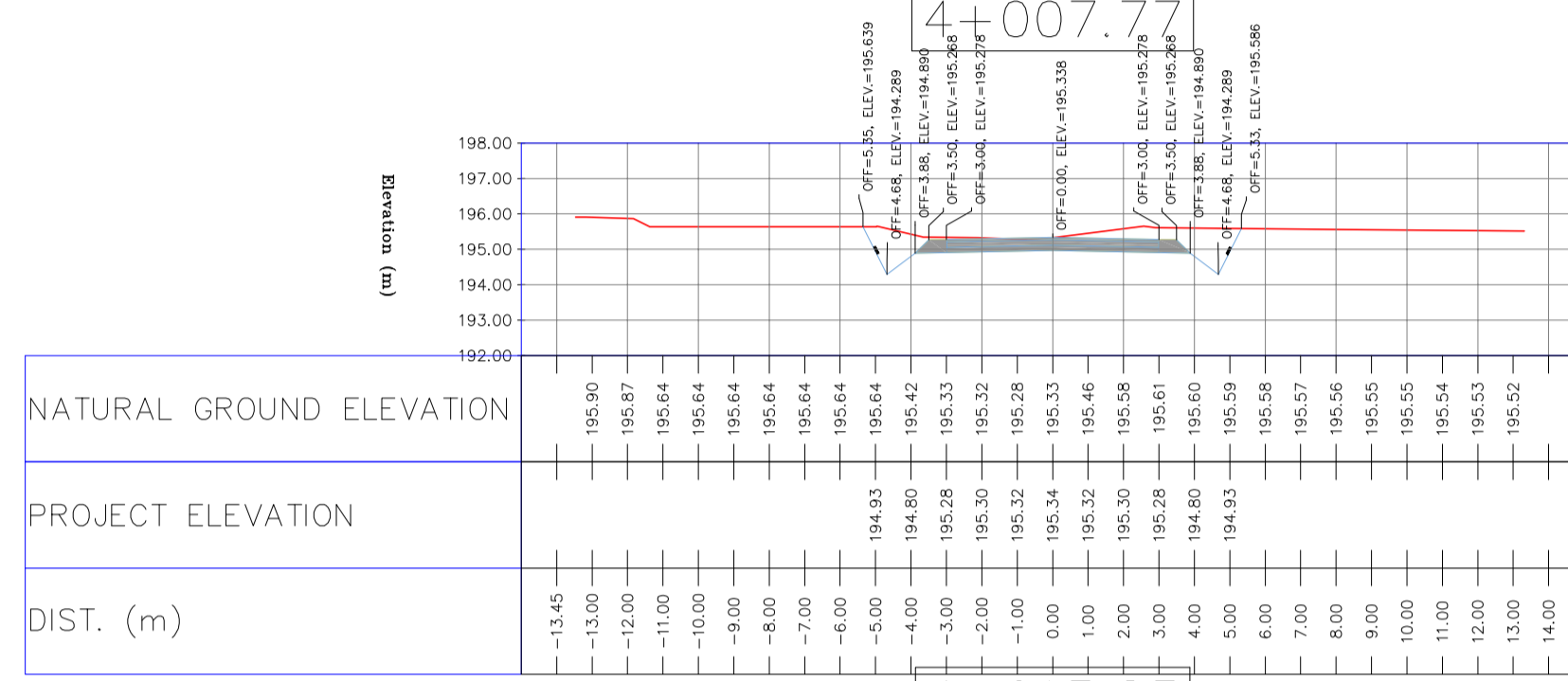
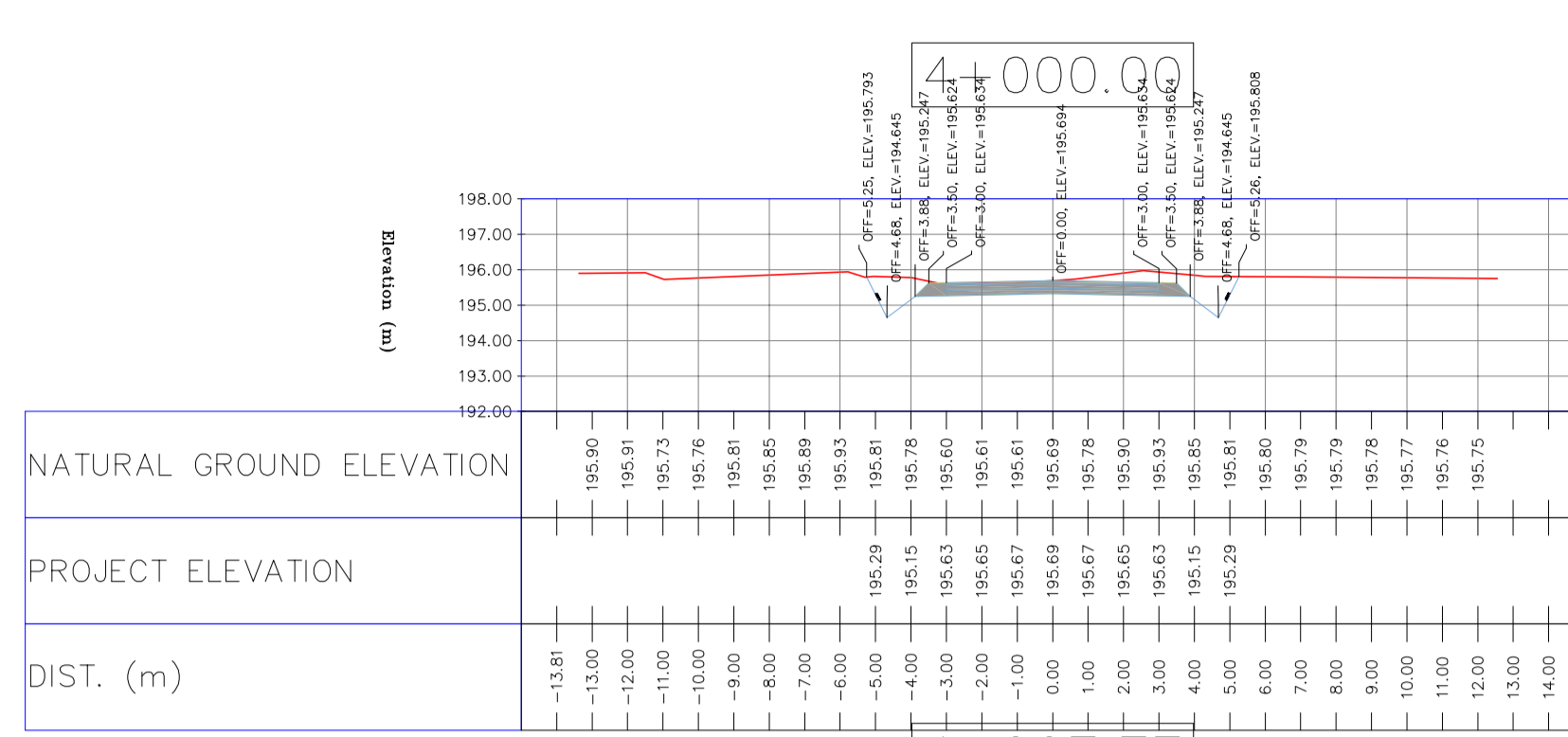
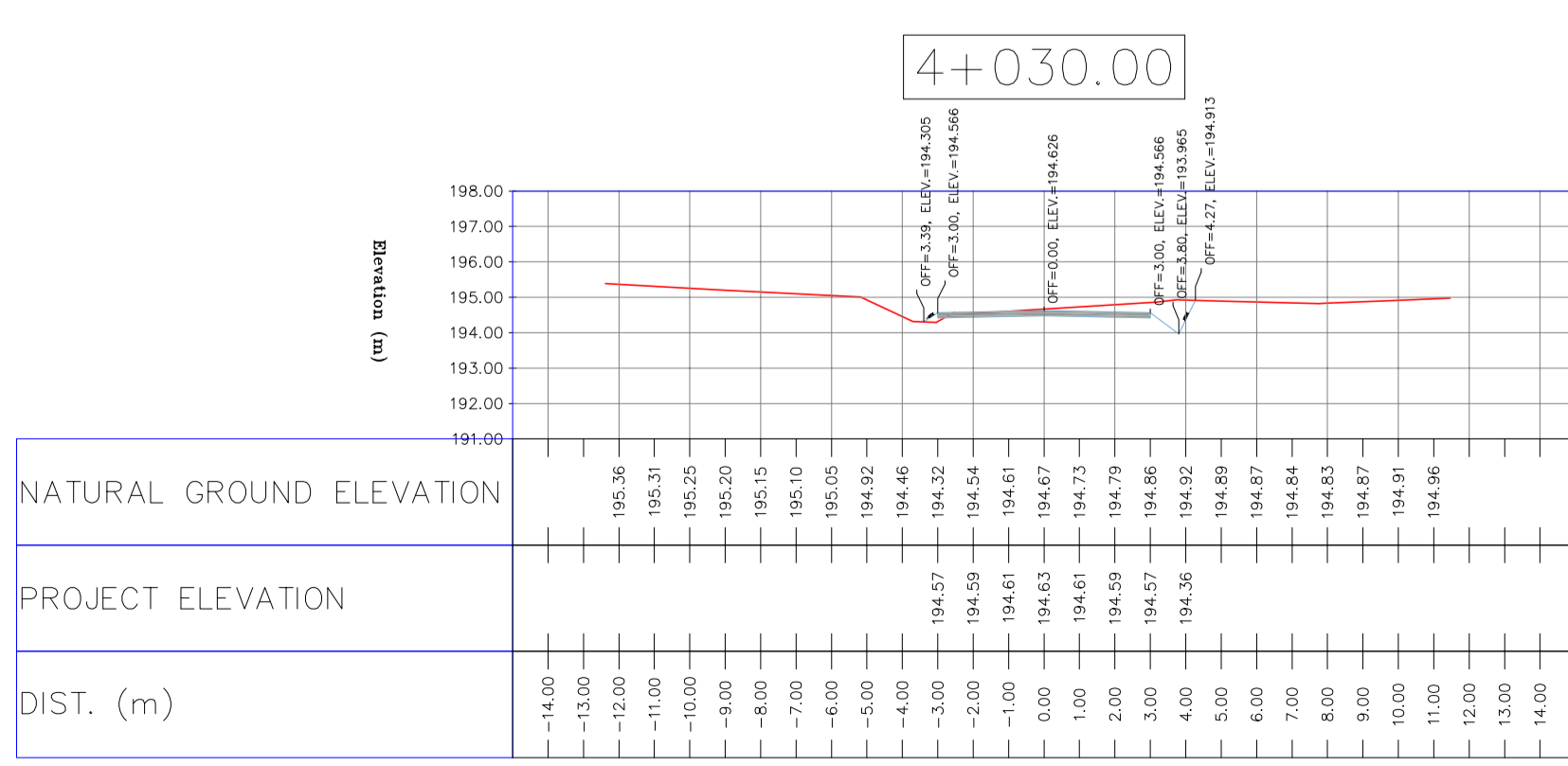
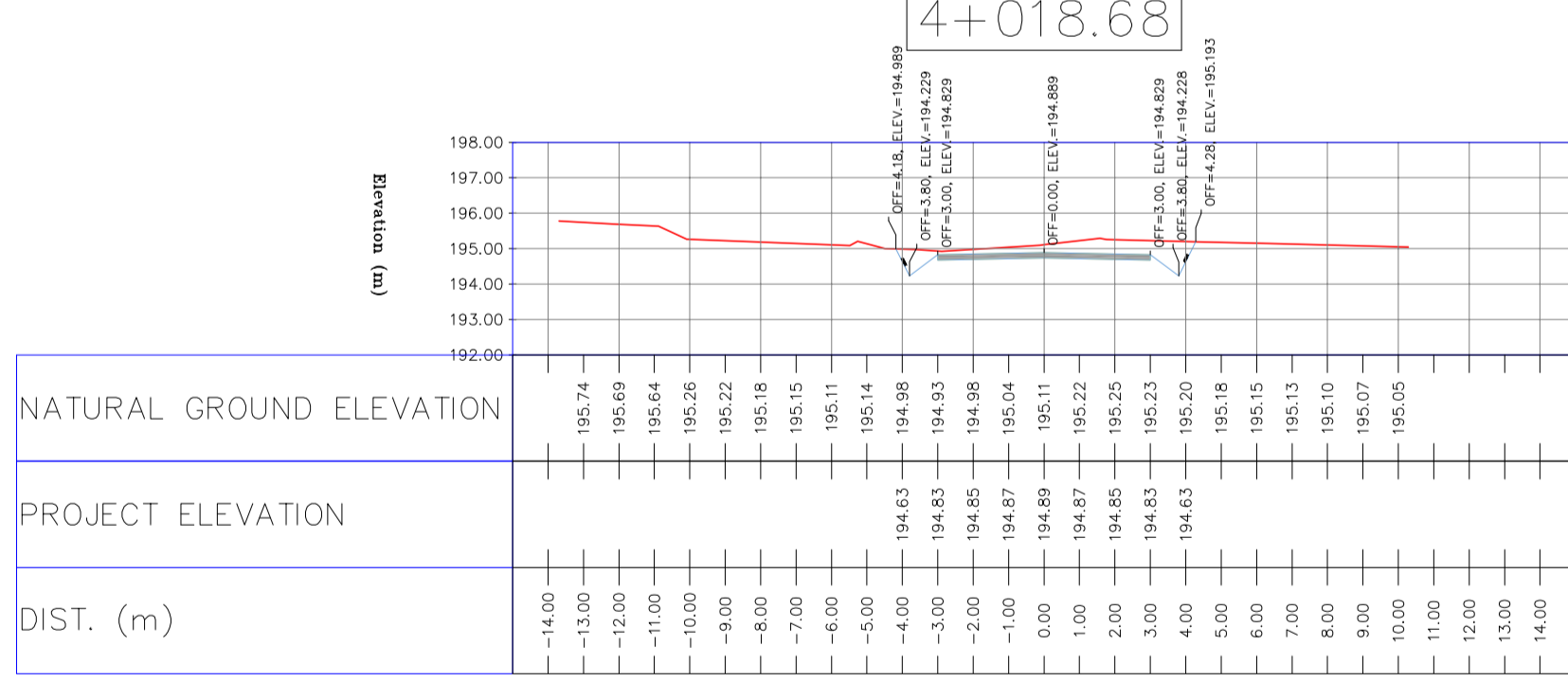
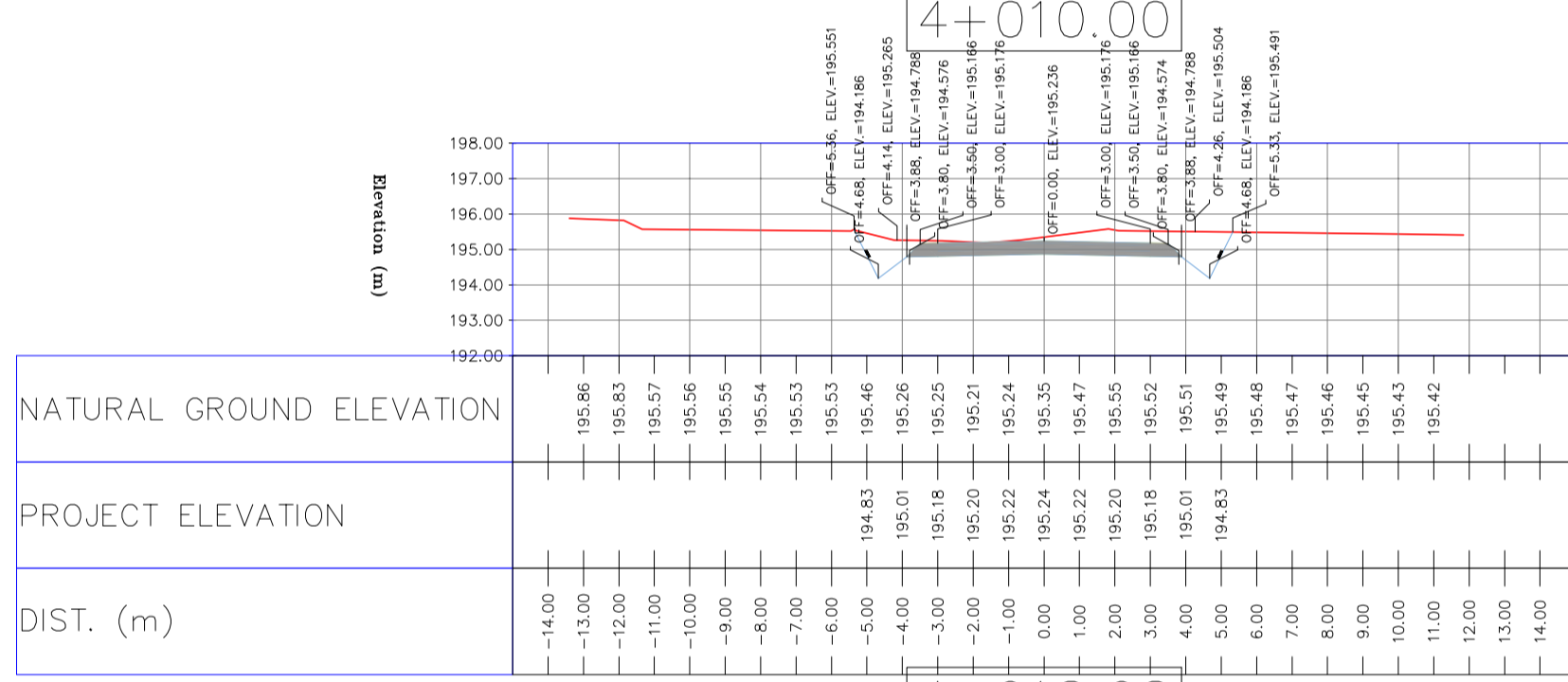
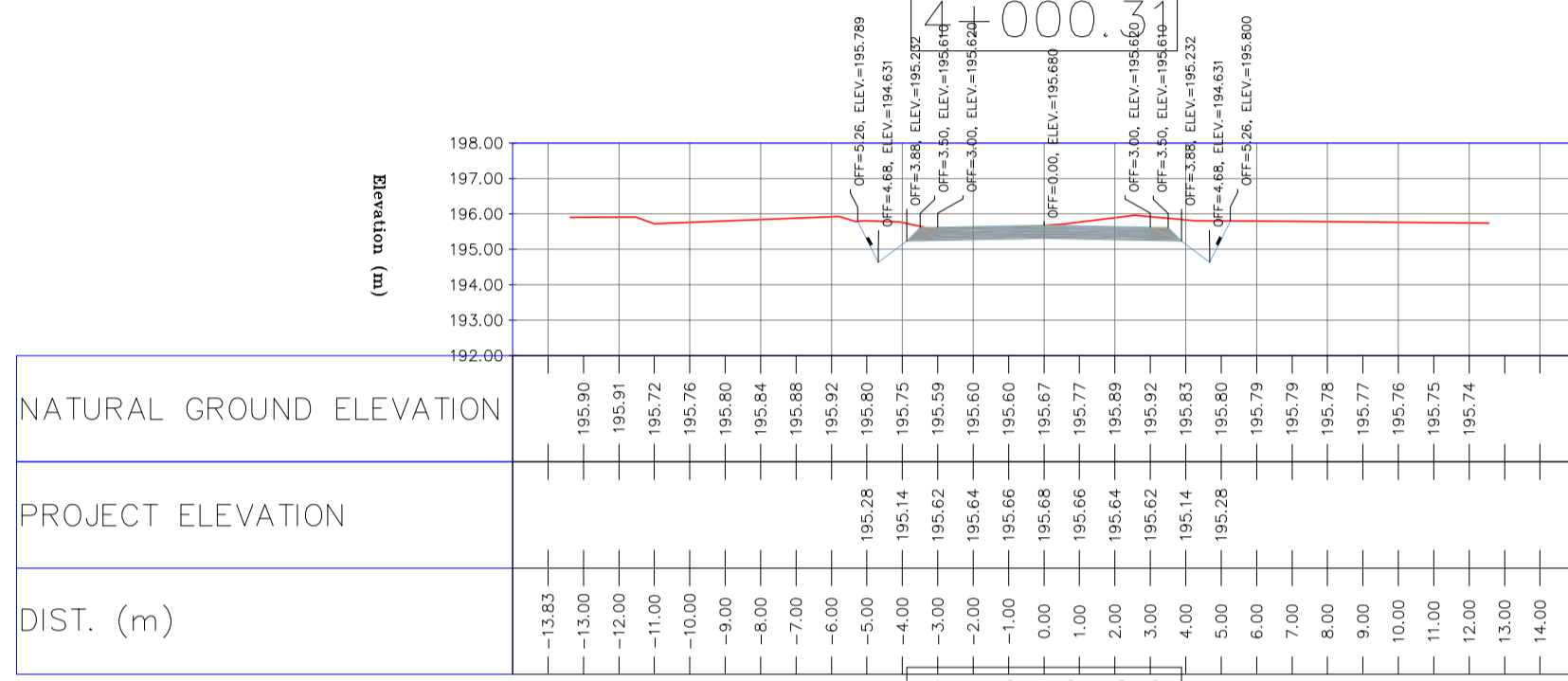
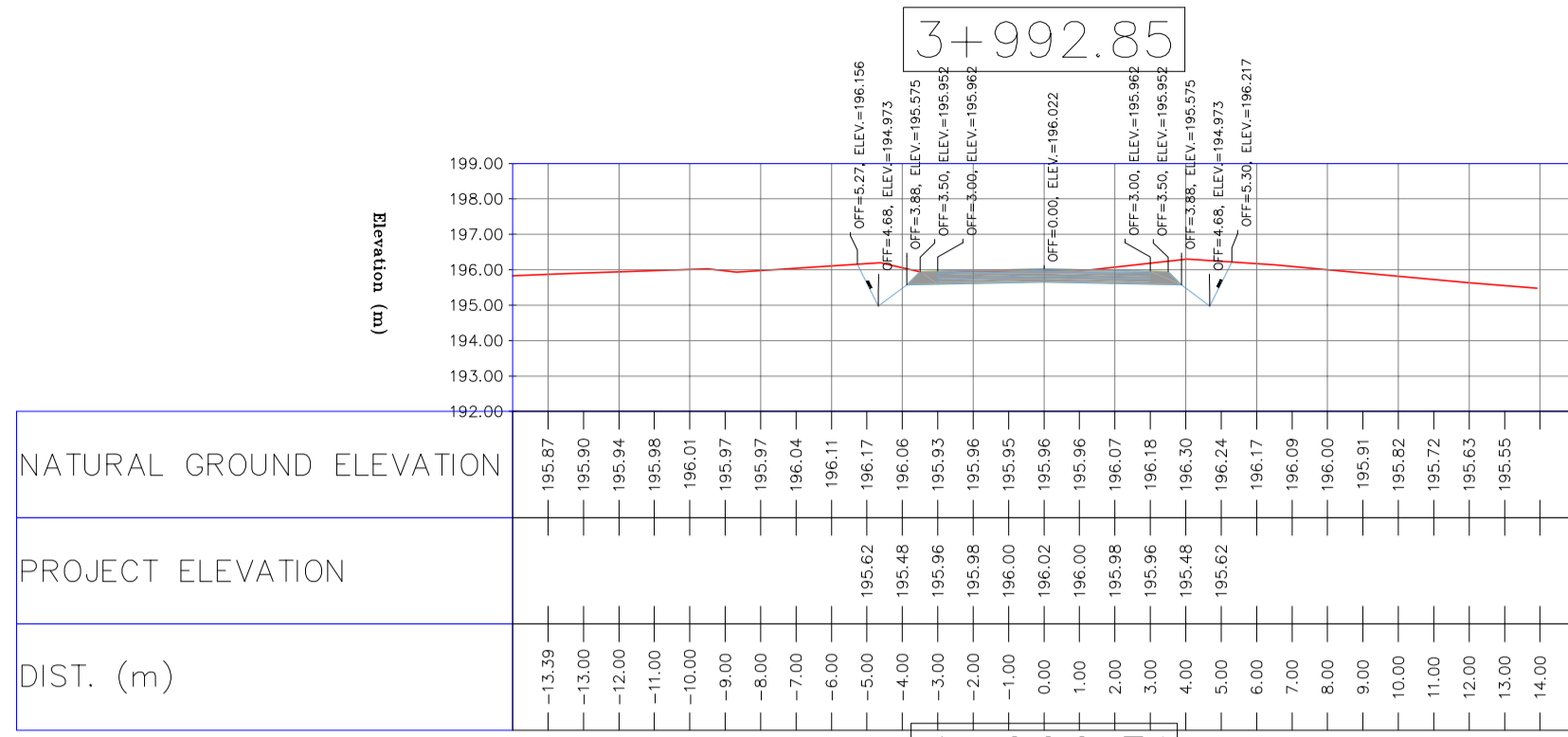


Table with columns: REV., DATE, P.O.I.S, PREP., CHK., APP., AUT., DESCRIPTION, CHECKED, REV. APPR.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
PROJECT NO.: 971020
EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
APPROVED FOR CONSTRUCTION BY: DATE:

TOTALLY REVISED

Table with columns: SCALE, SIZE, DRAWING NO., SHEET NO., REV., BUDGET REF., LOCATION, SIZE, CLASS, SERIAL NO., SHEET, REVISION.



NOTES
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HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
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- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRAI-PEDCO-000-CV-SP-0004".
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LEGEND

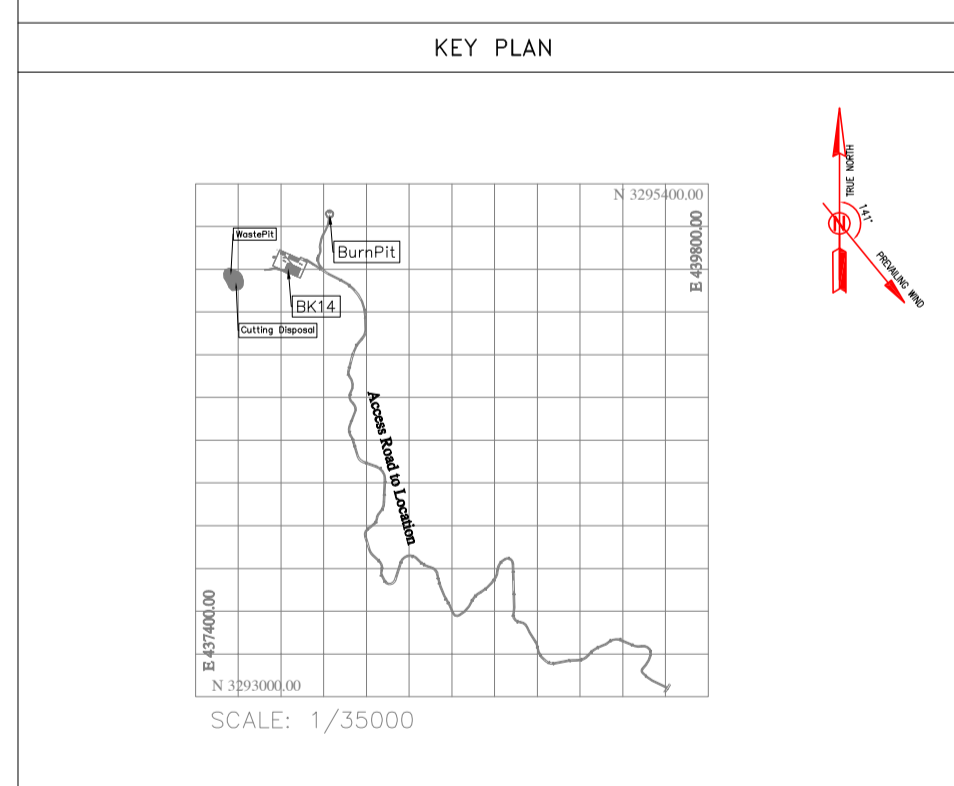
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	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
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D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
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H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	90 OF 101	D03	053-073-9184	F	4	S	708209	90	D03

CHECKED		REV. APPR.		
BY	DATE	BY	DATE	
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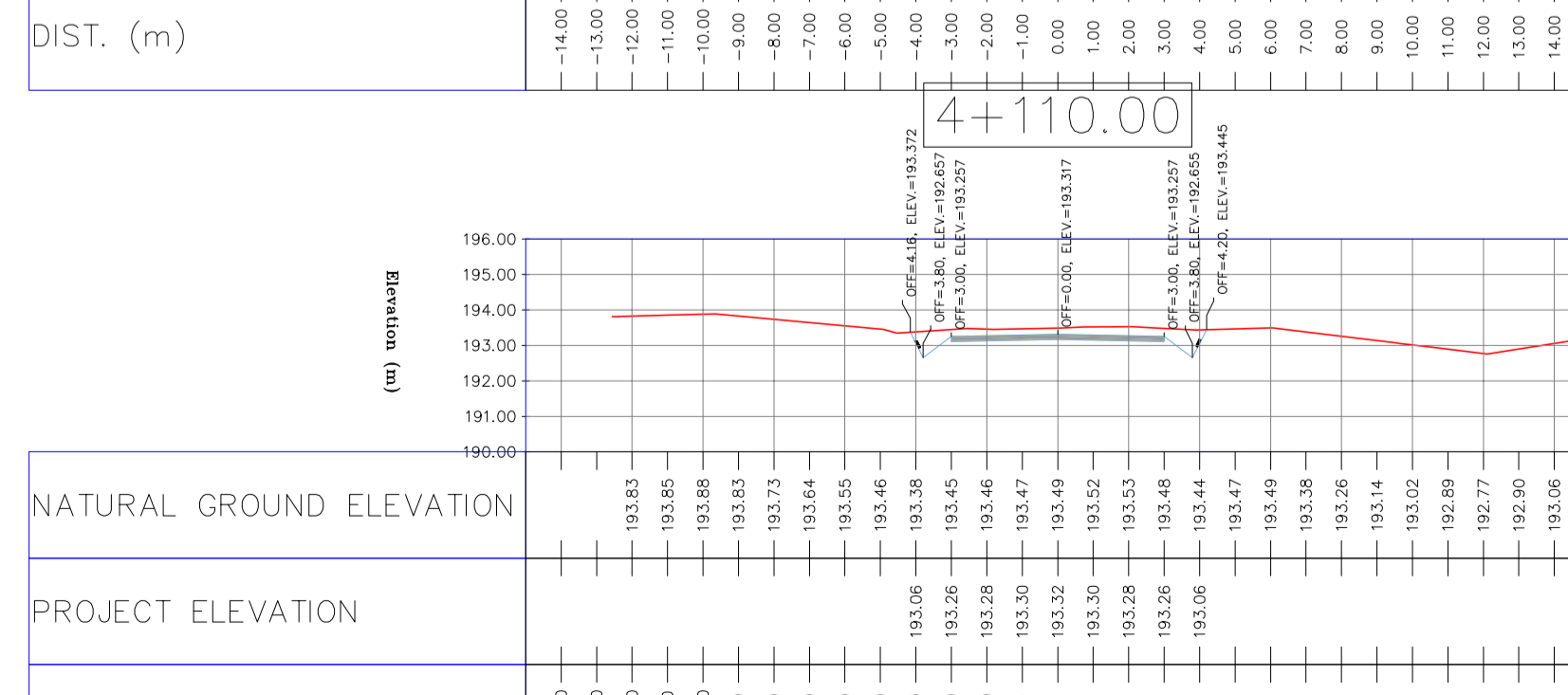
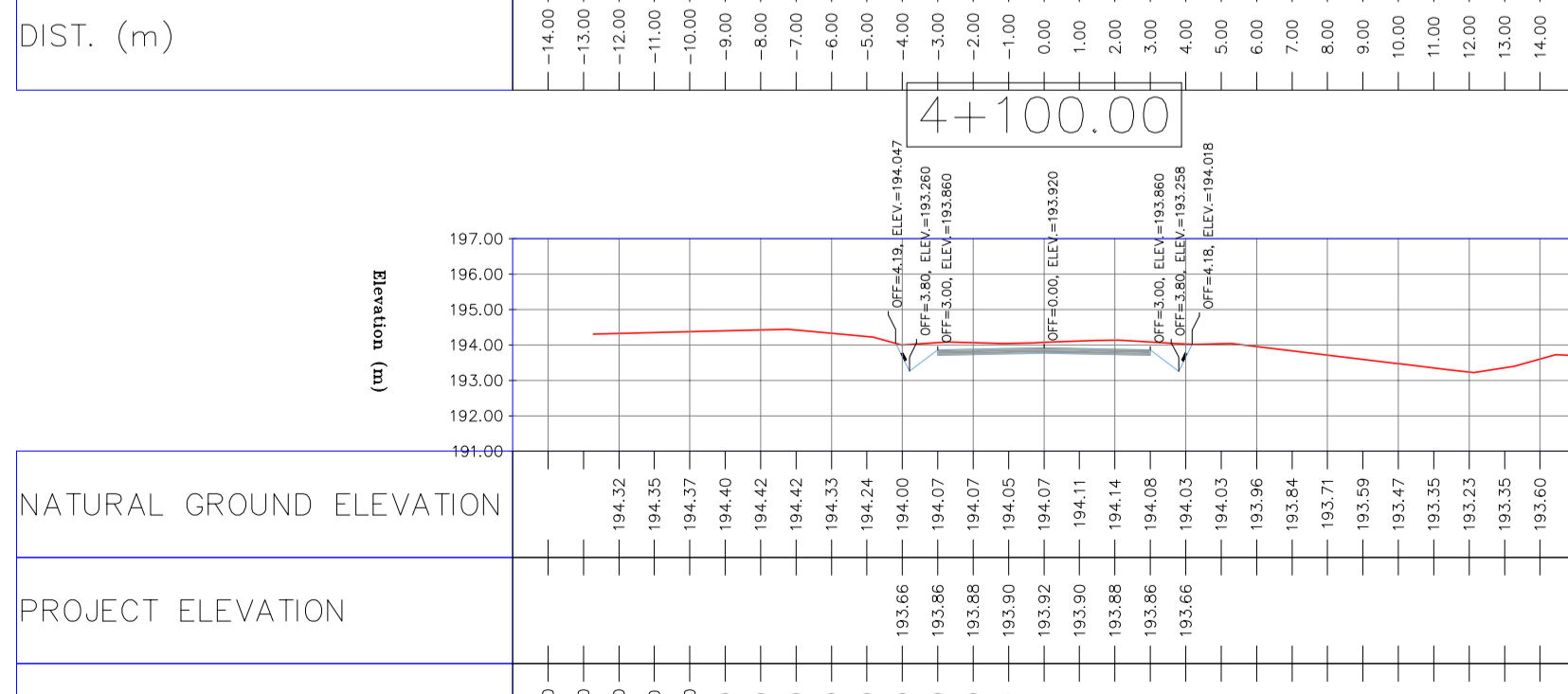
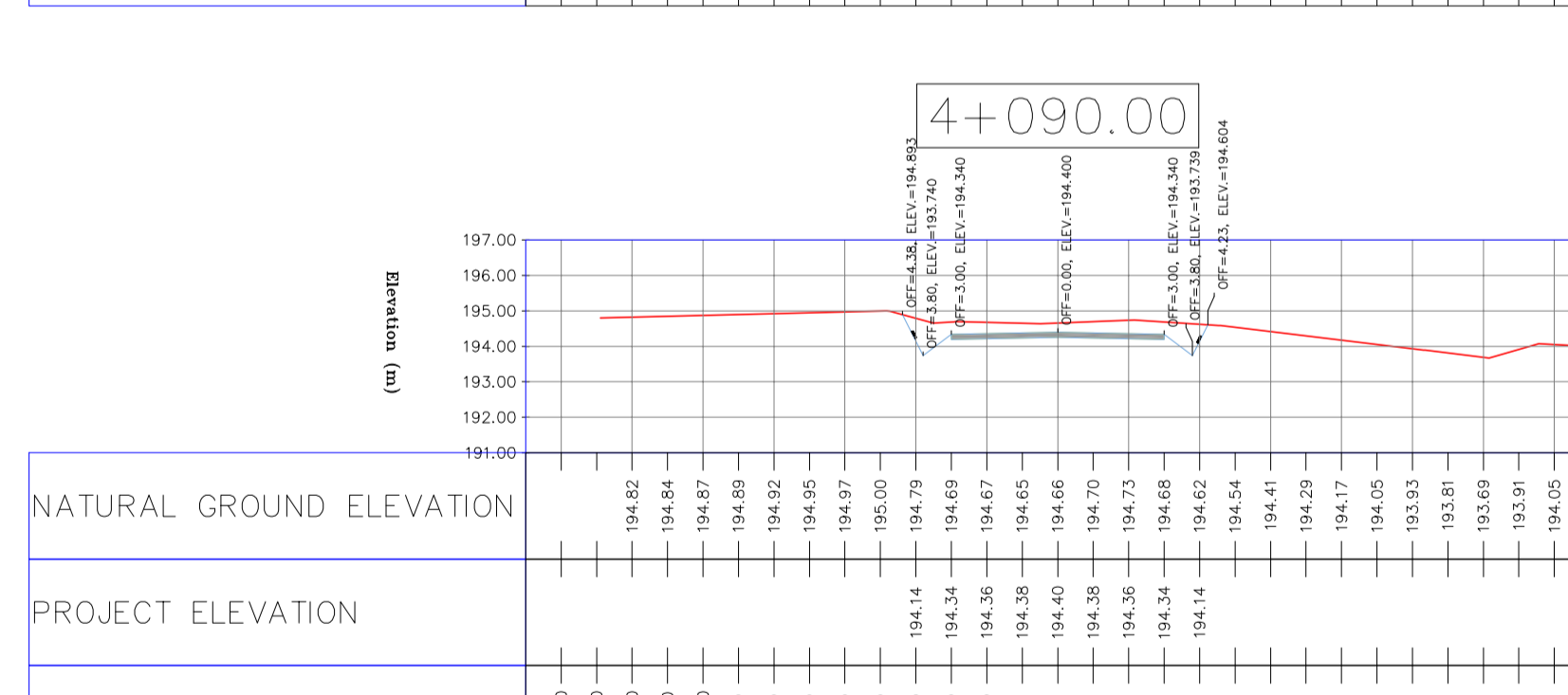
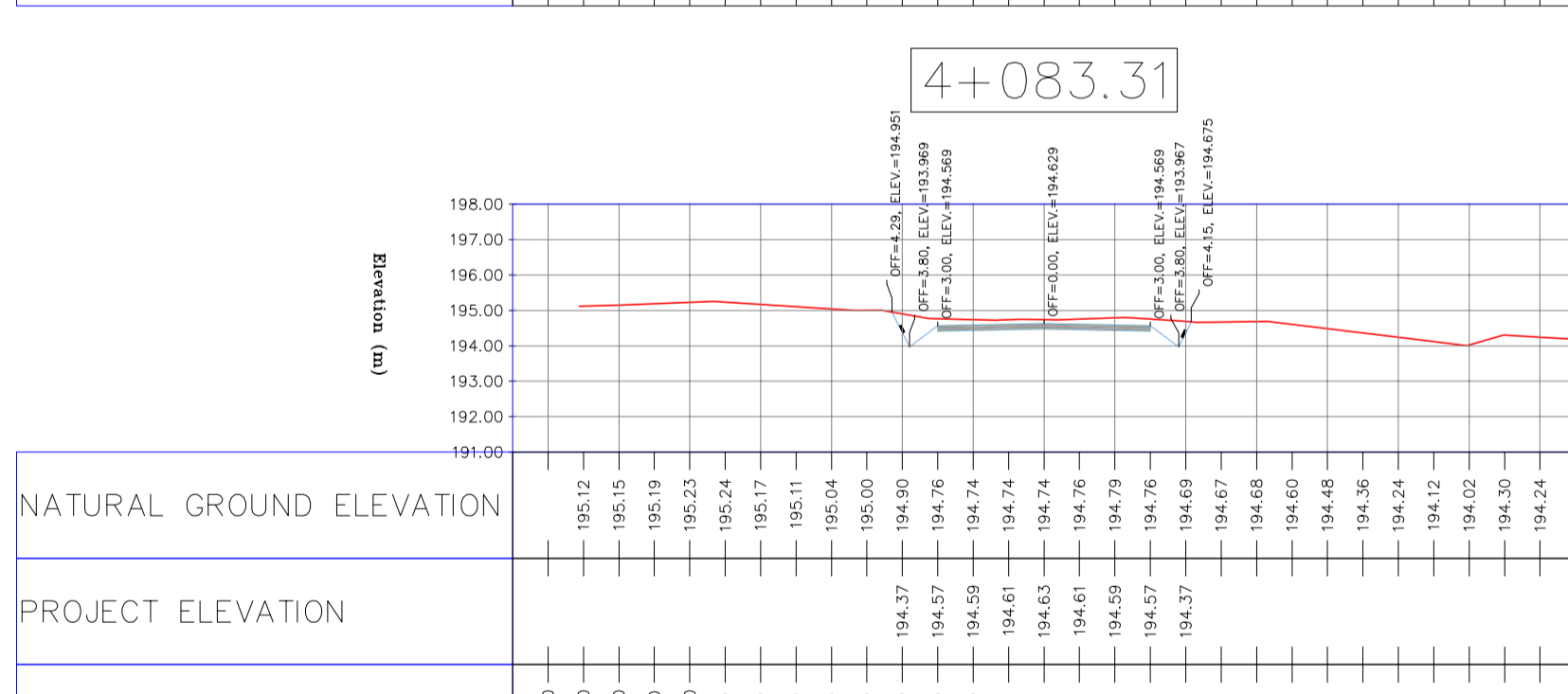
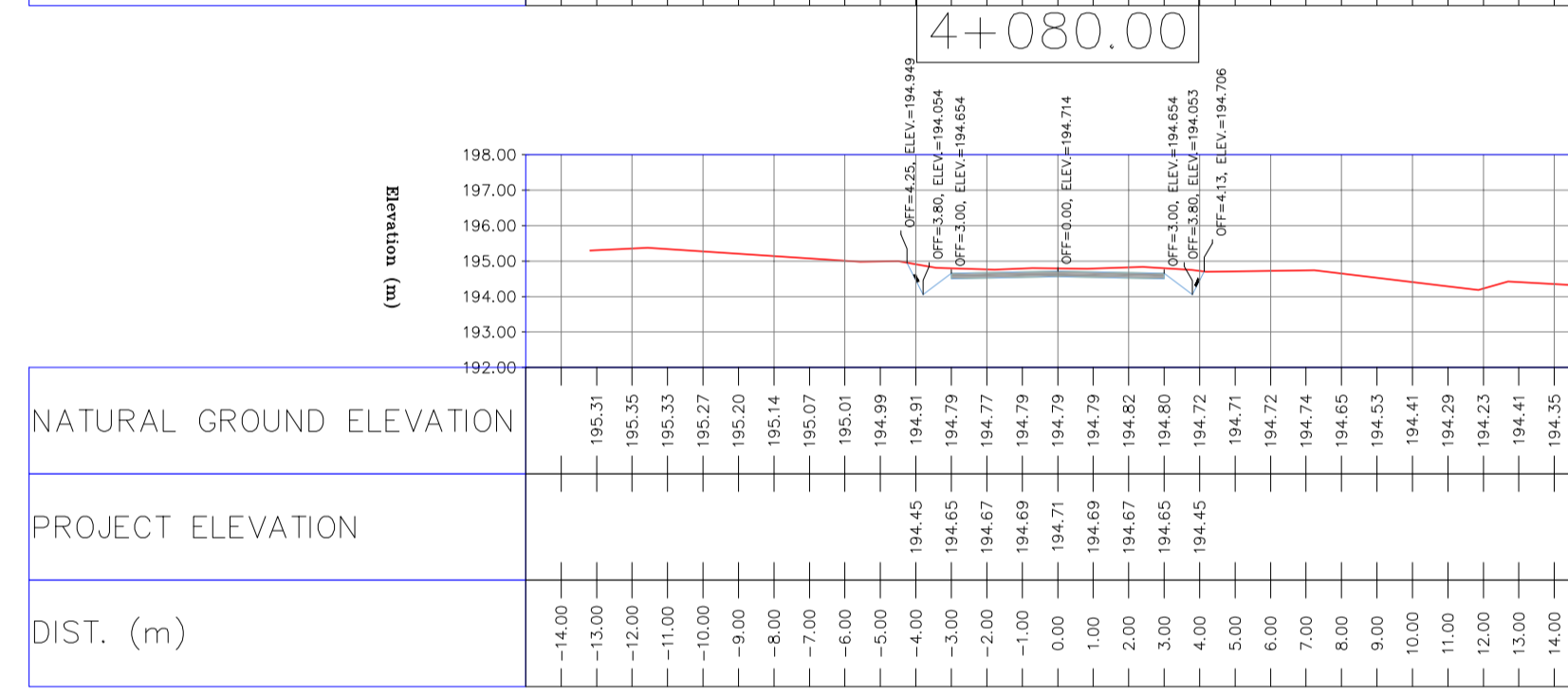
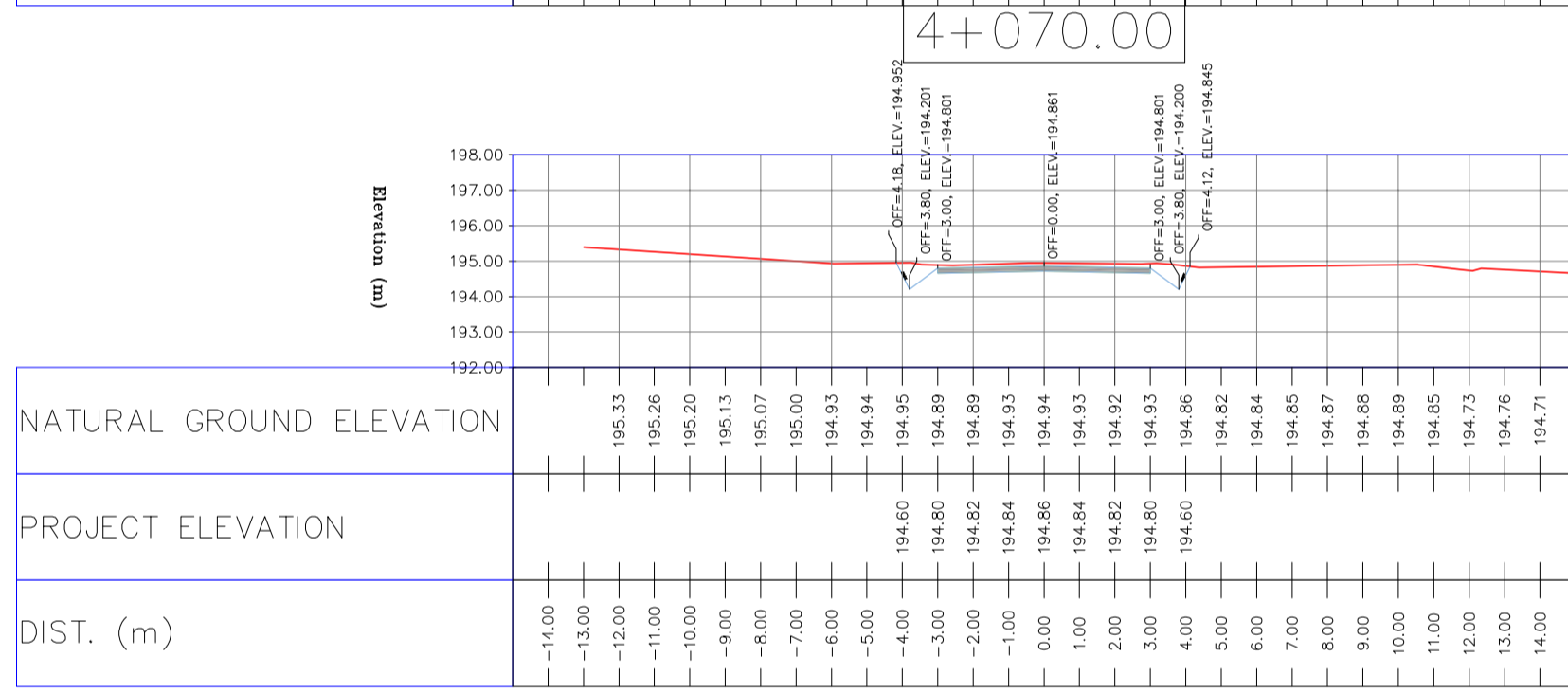
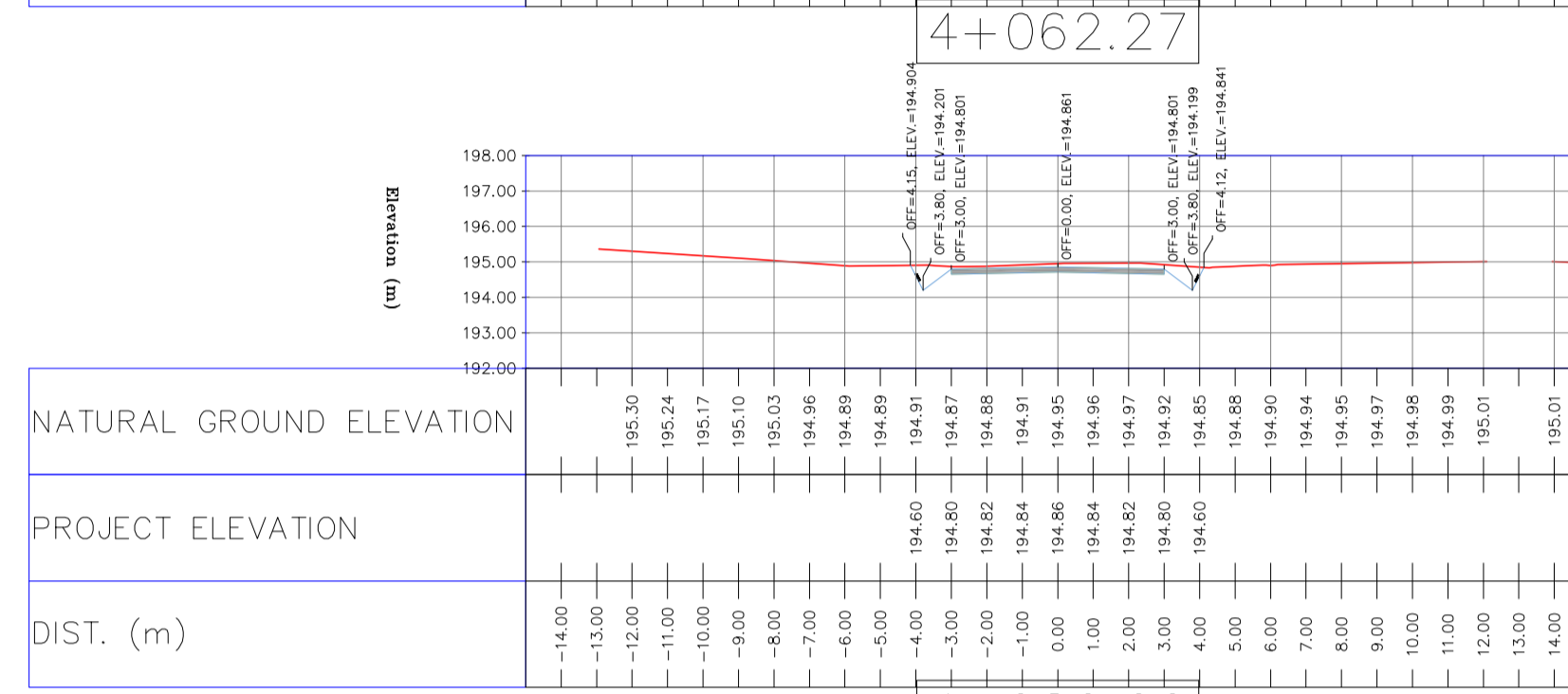
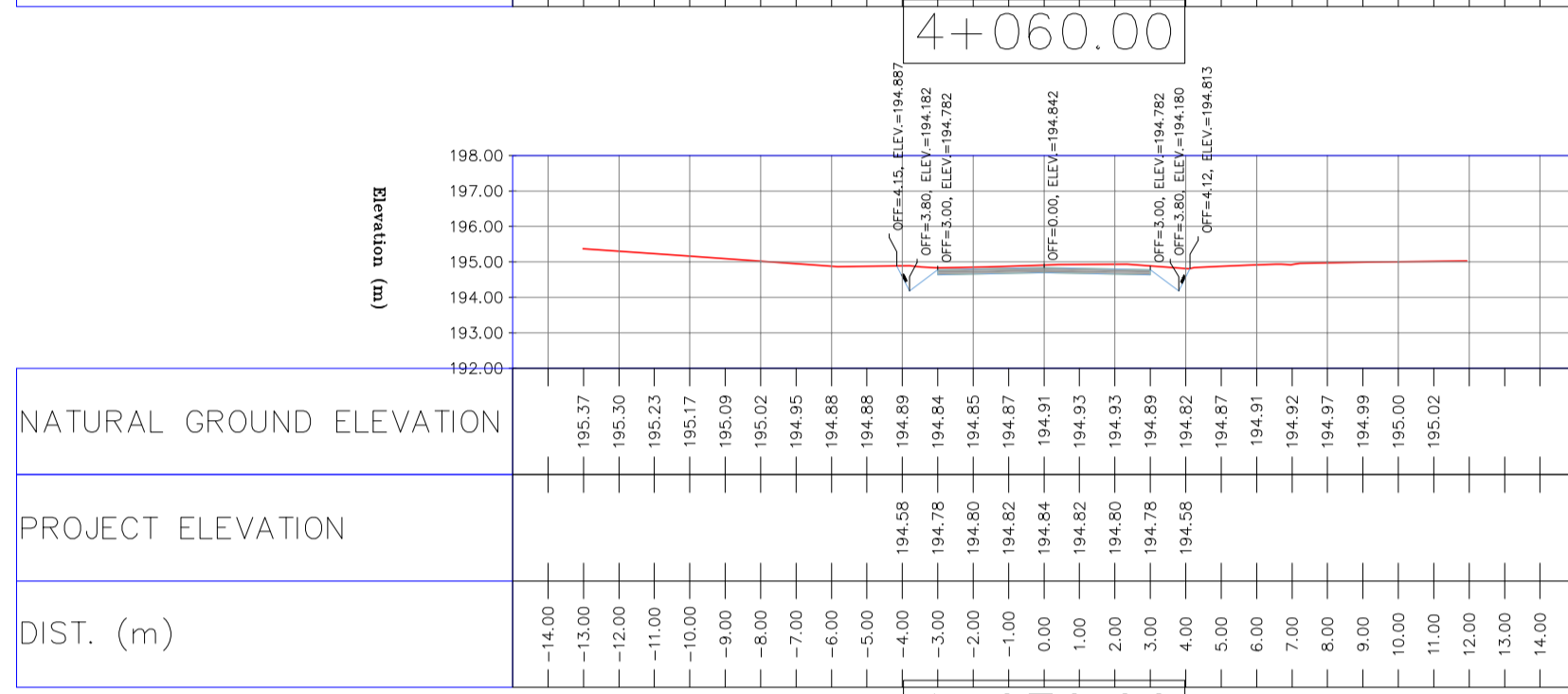
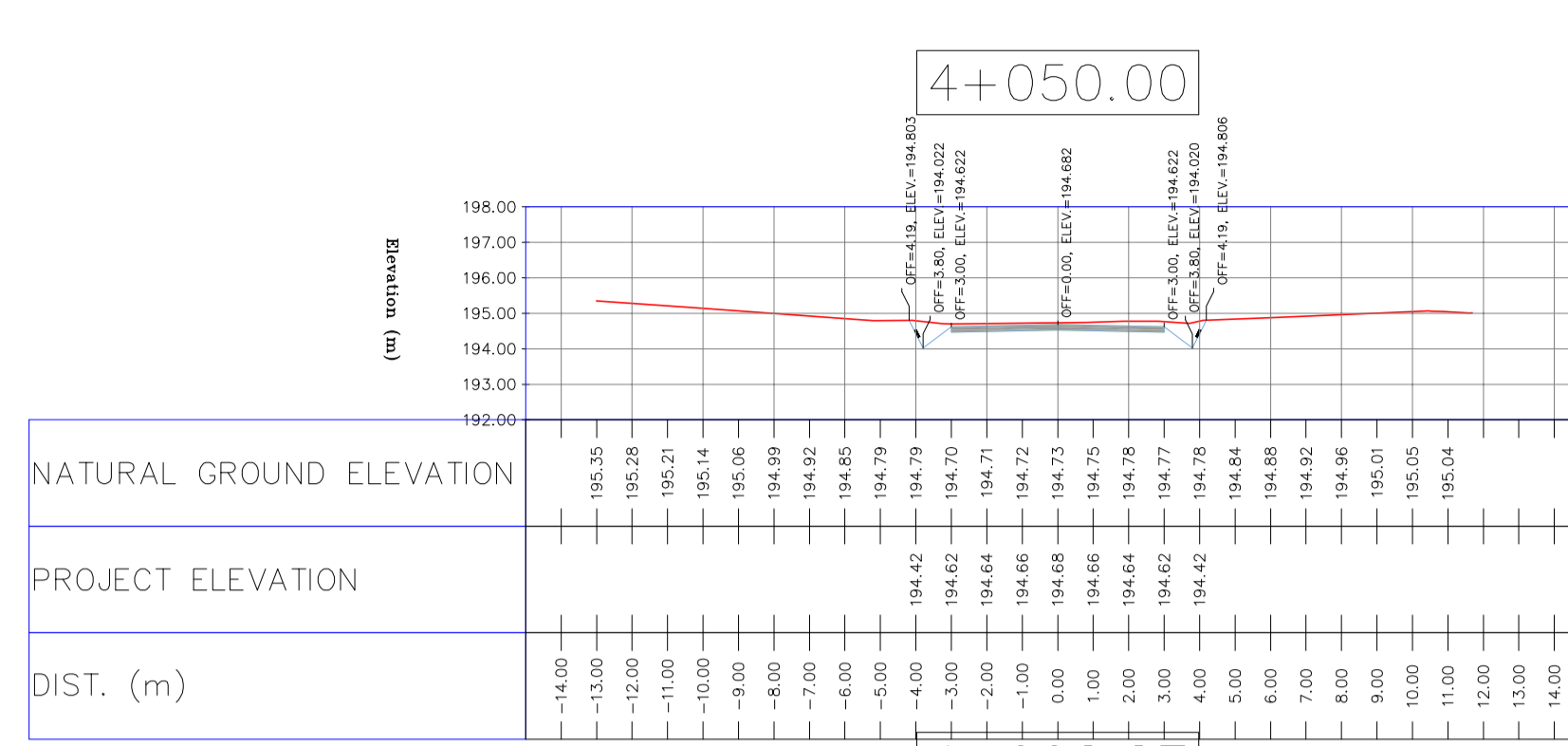
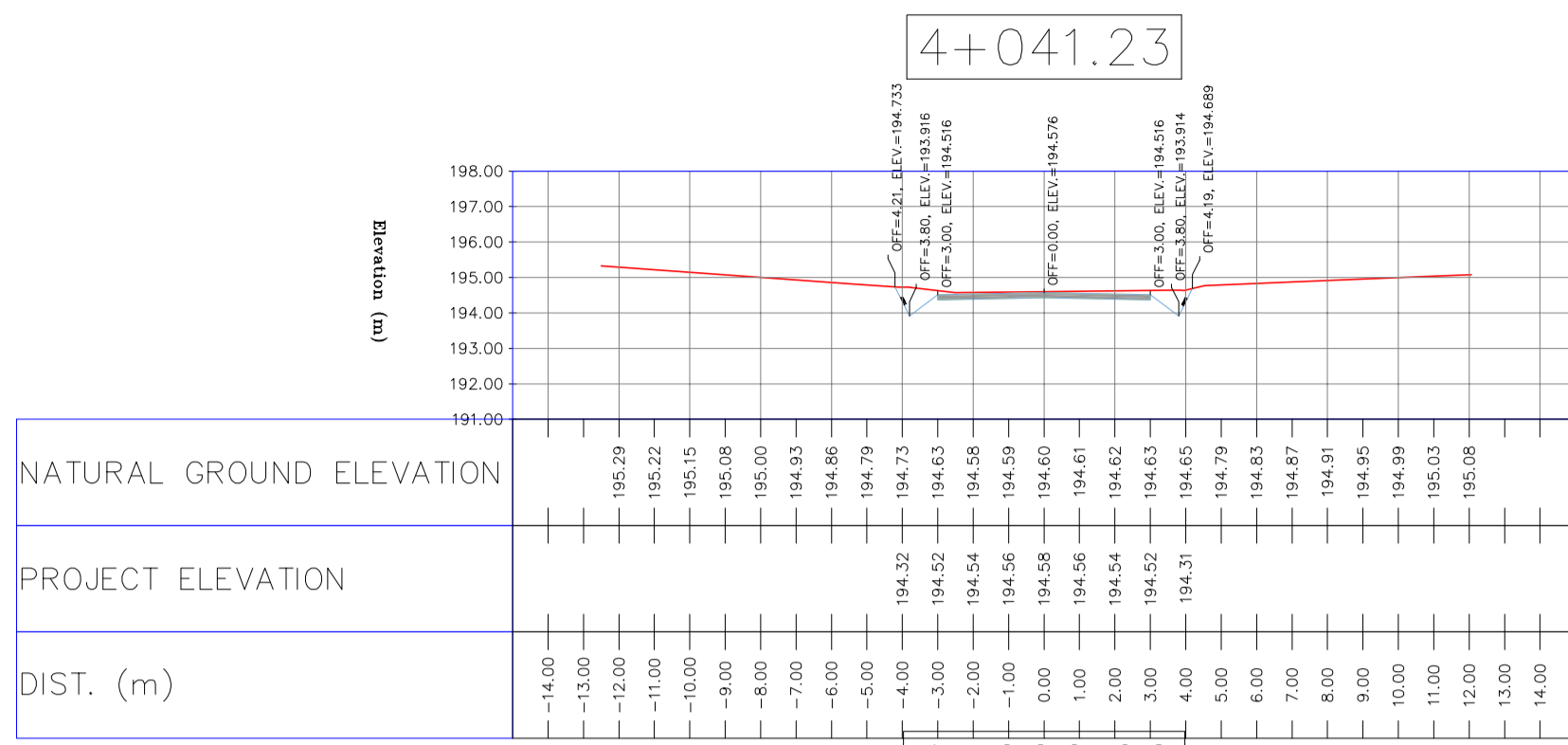
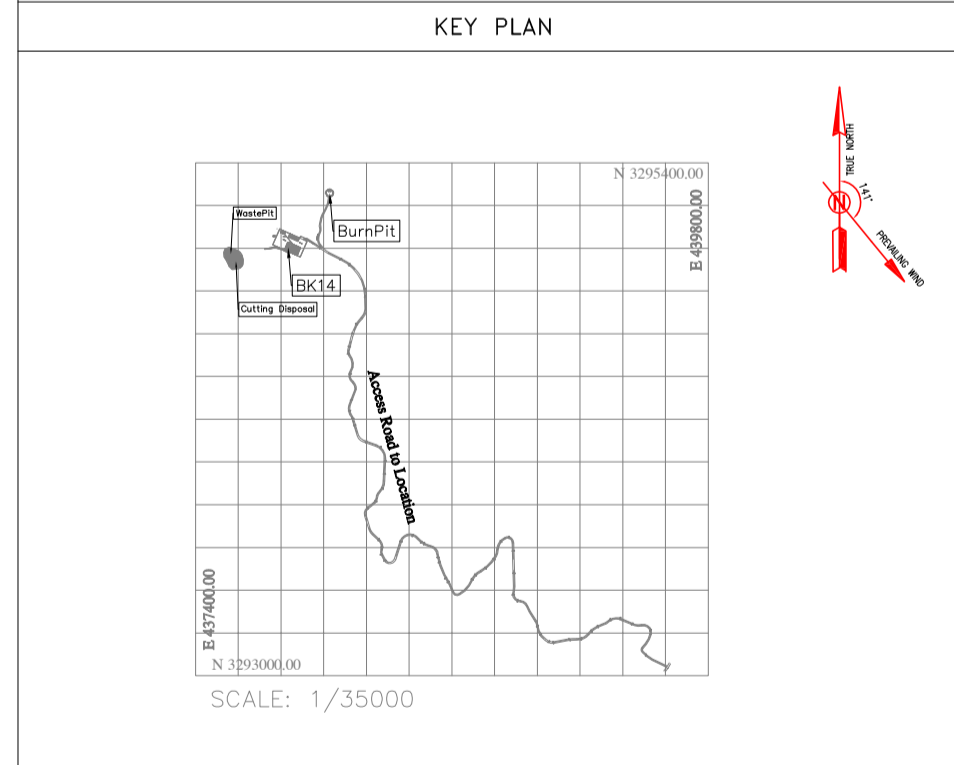
LEGEND

	WELL LOCATION		CANAL
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D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: **HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES**

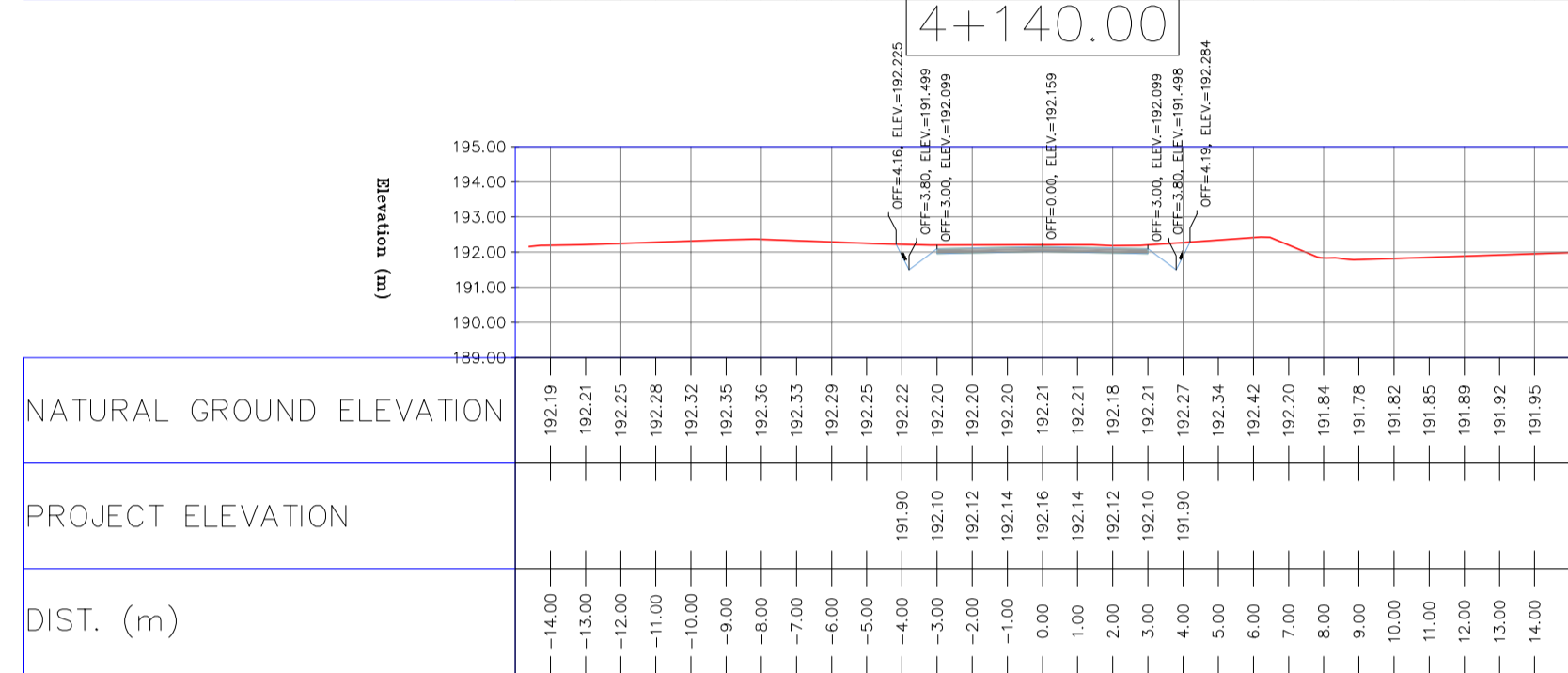
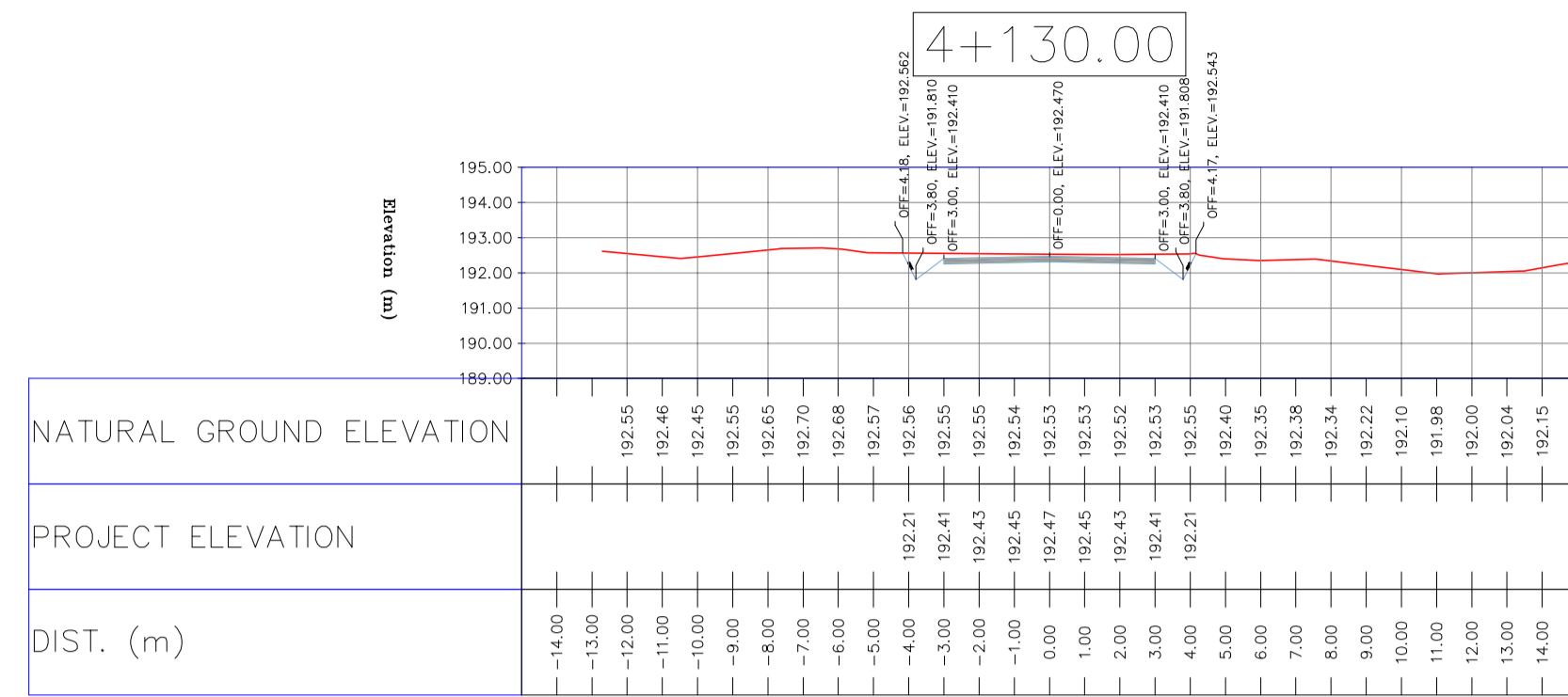
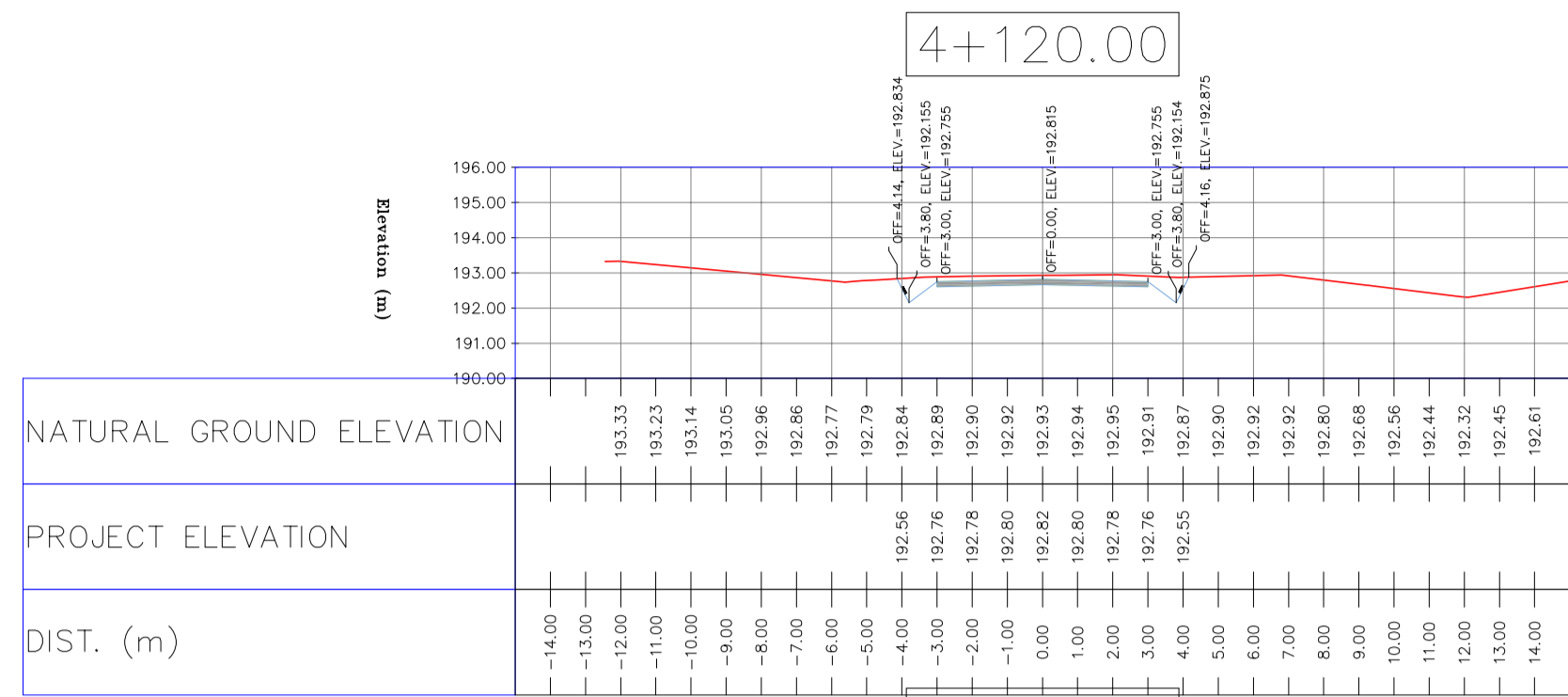
EPD/EPC CONTRACTOR(GC): **PETROIRAN DEVELOPMENT COMPANY**

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

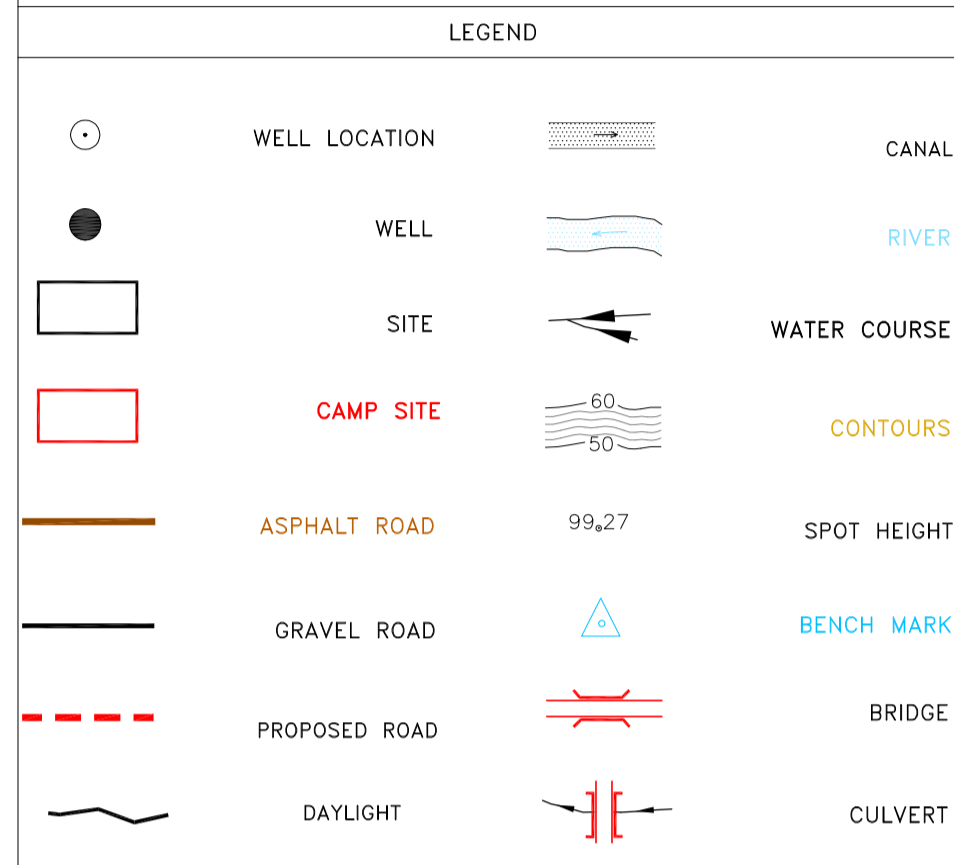
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H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	91 OF 101	D03	053-073-9184	F	4	S	708209	91	D03



NOTES

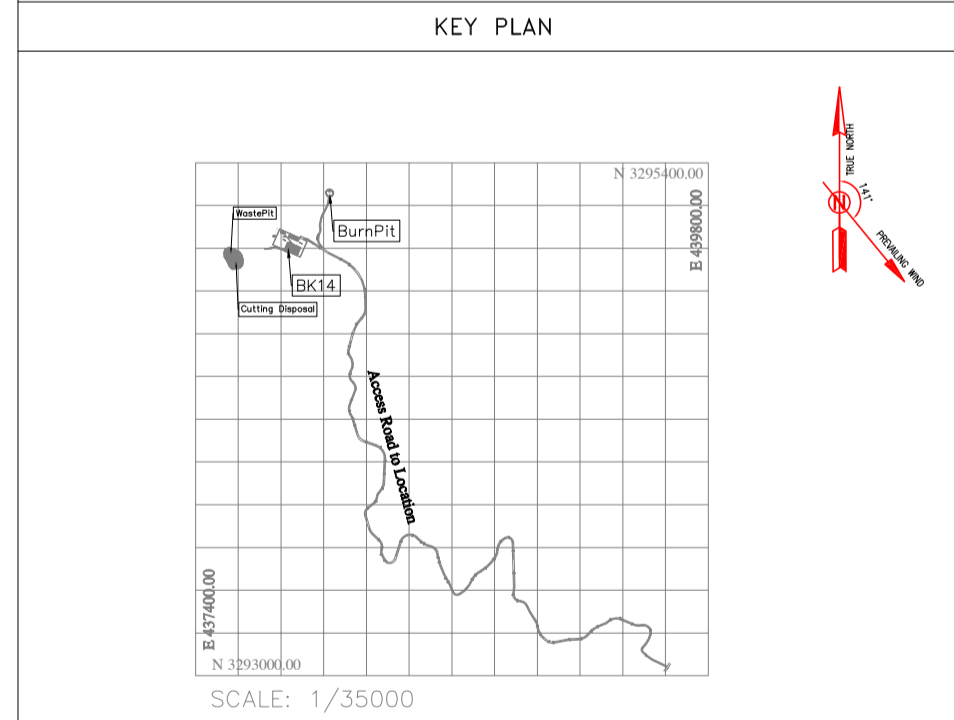
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Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
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REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
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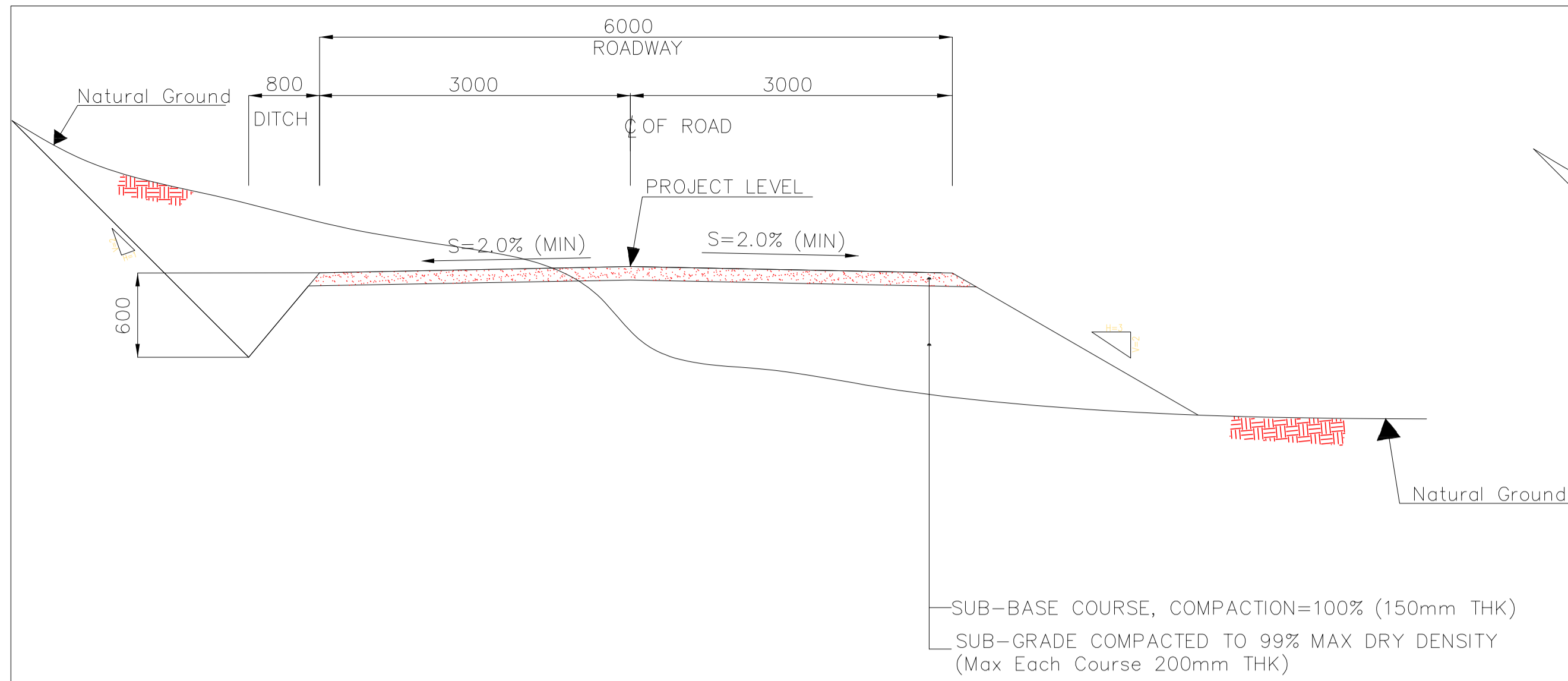
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14

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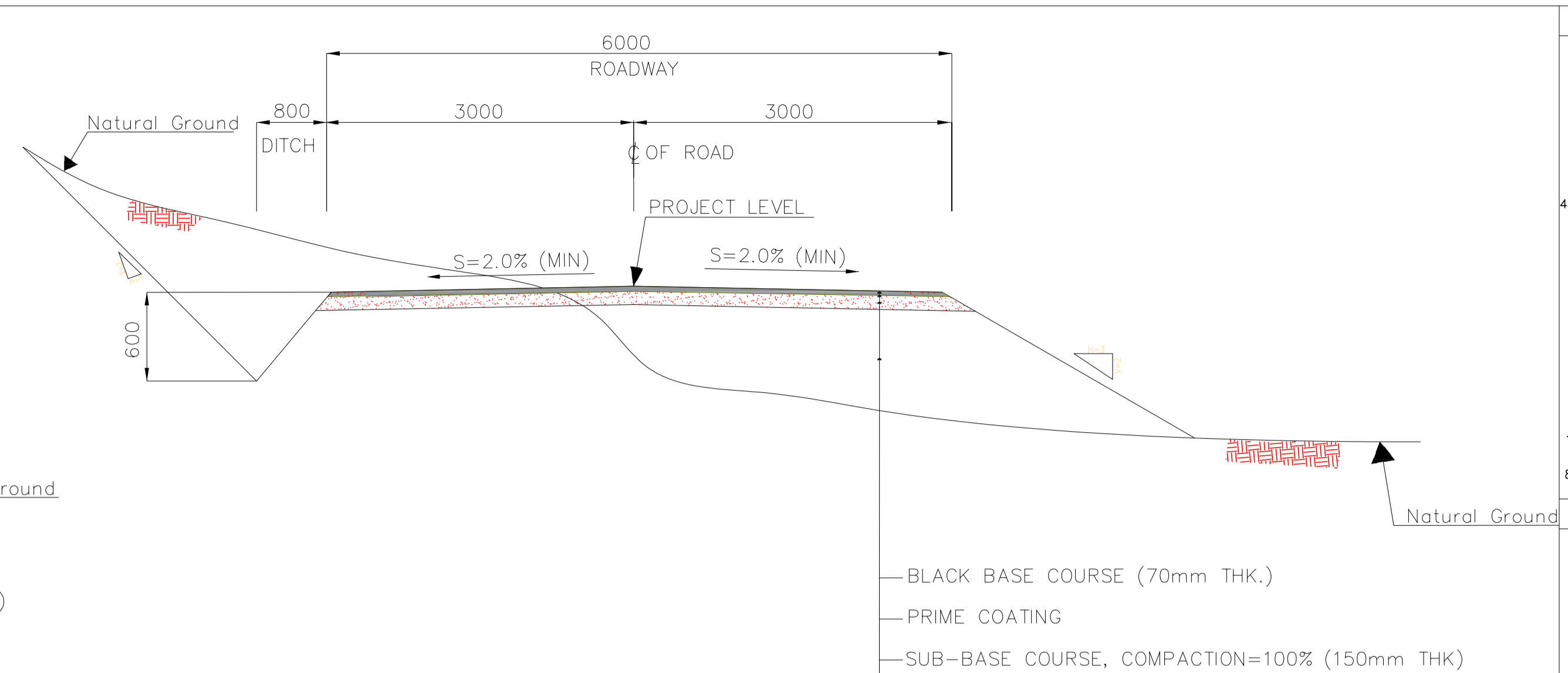
APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	92 OF 101	D03	053-073-9184	F	4	S	708209	92	D03

TOTALLY REVISED



1 TYPICAL CROSS SECTIONS (Access Road)-Regular Area
N.T.S.



2 TYPICAL CROSS SECTIONS (Access Road)-Asphalt Area (Refer to Table1)
N.T.S.

- NOTES
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 - 6-CULVERT AND RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - 7-PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGR-PEDCO-110-PI-DW-0001
 - 8-THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
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	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		

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KEY PLAN

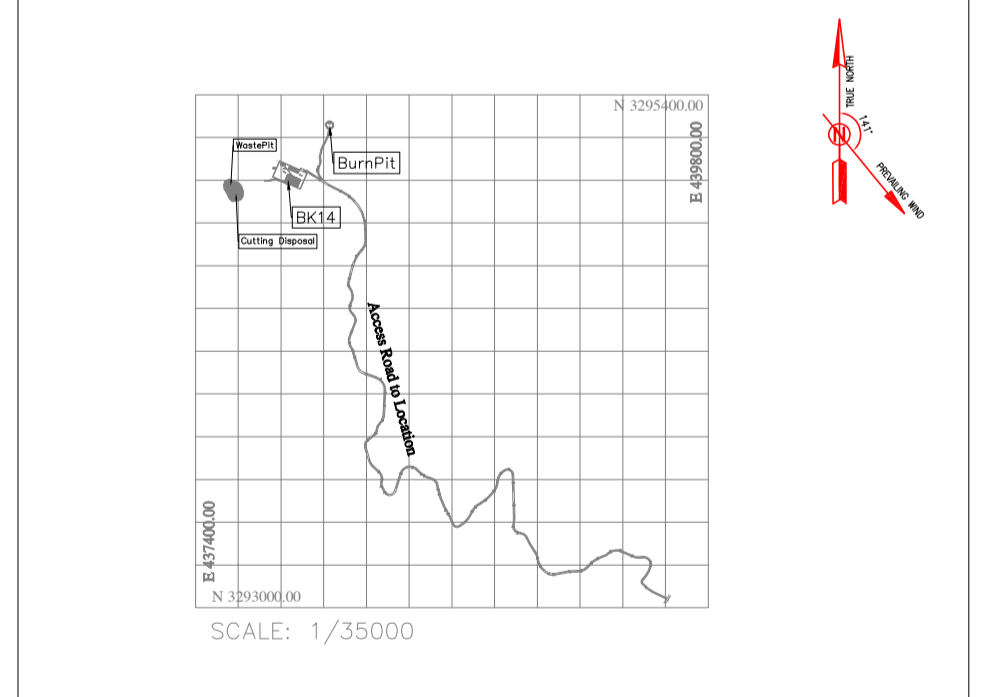


TABLE 1- ASPHALT AREA SPECIFICATION

NAME	KM START	KM END	LENGTH(m)
AREA1	0+430.00	0+550.00	120
AREA2	0+970.00	1+150.00	180
AREA3	2+150.00	2+250.00	100
AREA4	2+800.00	3+290.00	490
AREA5	3+900.00	4+010.00	110
		TOTAL	1000

TABLE 3-LIST OF NEW CULVERT

NUMBER	KM	TYPE OF CULVERT
1	0+384	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
2	0+900	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
3	0+943.33	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
4	1+036.30	CONCRETE PIPE CULVERT (DIAMETER 80 cm)
5	3+940	CONCRETE PIPE CULVERT (DIAMETER 80 cm)

TABLE 2-RETAINING WALL AREA

NAME	KM START	KM END	LENGTH(m)	WIDTH(Cm)
AREA1	2+320.00	2+350.00	30	50
AREA2	3+116.00		5	50
AREA3	3+330.00	3+390.00	120 (60*2)	40

TABLE 4-LIST OF ROAD WIDENING AREA

NUMBER	KM START	KM END	LENGTH(m)	WIDTH OF WIDENING (m)
1	0+690	0+720	30	1.50
2	1+492	1+520	28	1.00
3	1+560	1+597	37	1.00
4	1+781	1+809	28	1.00
5	1+835	1+897	62	1.50
6	2+398	2+438	40	2.00
7	2+688	2+700	12	1.50
8	2+780	2+836	56	1.50
9	3+067	3+172	105	0.80
10	3+368	3+396	28	0.80
11	3+992	4+019	27	4.00

REFERENCE: NISOC-E-CE-160

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT /SUB-SURFACE WORK PACKAGES BK14 WELLHEAD FACILITIES

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

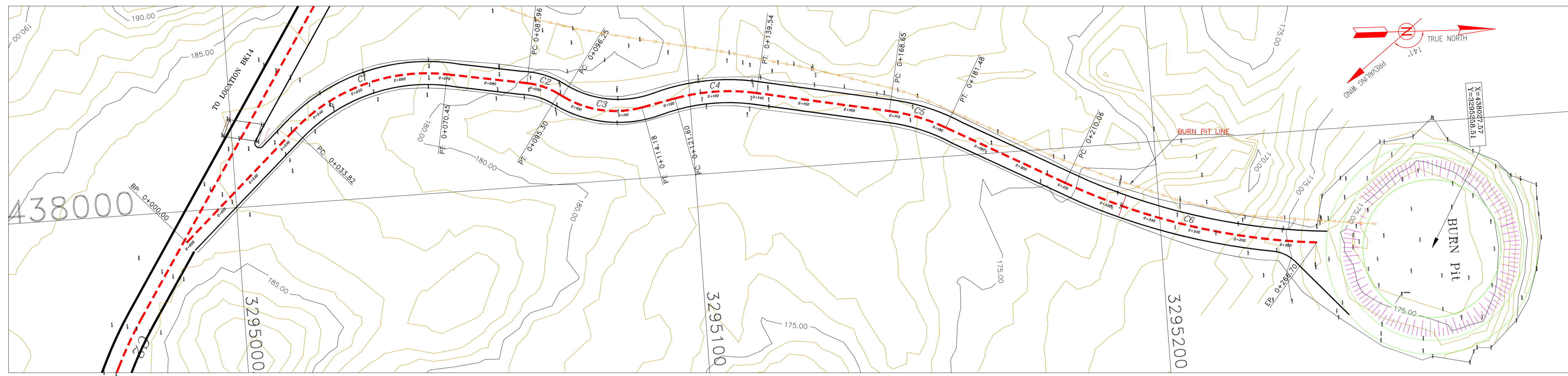
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
N.T.S.	A1	BK-BK14-PEDCO-110-CV-DW-0001	93 OF 101	D03	053-073-9184	F	4	S	708209	93	D03

IMPORTANT NOTE: THE EXACT LOCATION OF NEW CULVERT, RETAINING WALL AND ASPHALT AREA SHALL BE ADJUSTED AT SITE.

TOTALLY REVISED



NOTES

- ALL COORDINATES AND ELEVATIONS ARE IN METER.
- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- GEODEIC PARAMETERS FOR COORDINATES ARE AS BELOW:
 HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
 ELLIPSOID : WORLD GEODEIC SYSTEM 1984 (WGS84)
 MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
 VERTICAL DATUM: MSL
- 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-GNRL-PEDCO-000-CV-SP-0004".
 - GEOTECHNICAL REPORTS AND CLIENT'S SITE SUPERVISORY BODY RECOMMENDATIONS AND APPROVALS.
- BEFORE ANY EARTH WORK ACTIVITIES (CUT OR FILL), TOP AND UNSUITABLE SOIL (MARN...) SHALL BE REMOVED AS GEOTECHNICAL RECOMMENDATION AND SUPERVISOR'S REQUIREMENTS.
- RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
- PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON:
 BK-SSGRL-PEDCO-110-PI-DW-0001

LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		OIL LINE
			BURN PIT LINE
			NEW BURN PIT LINE

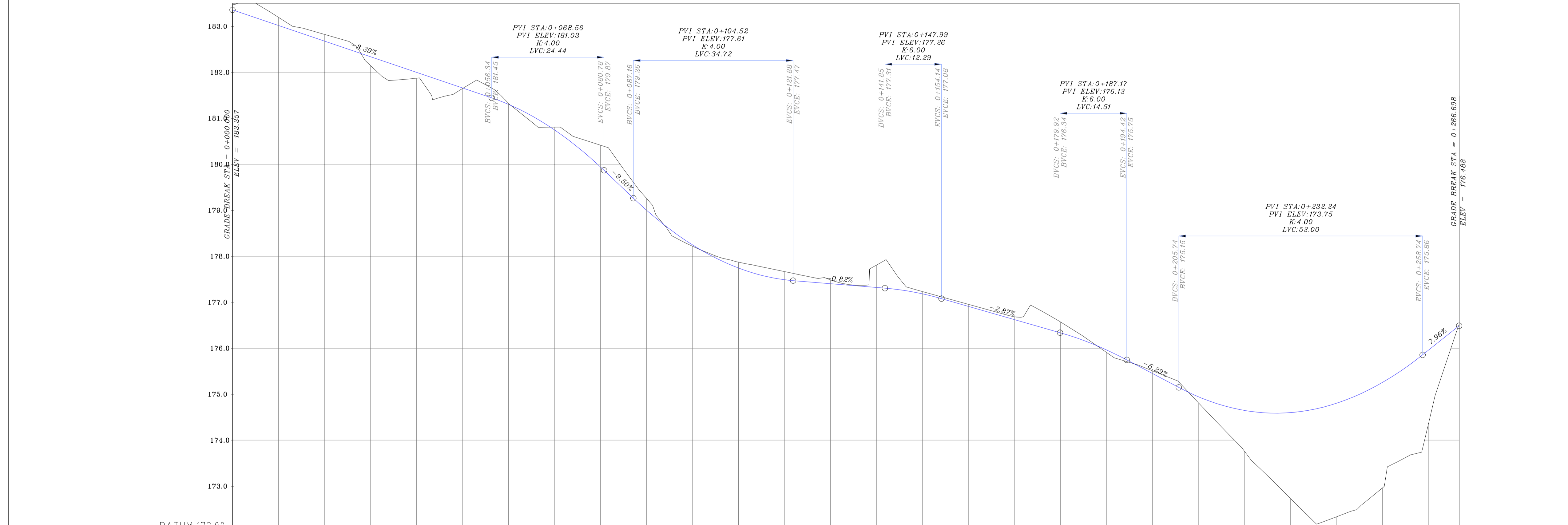
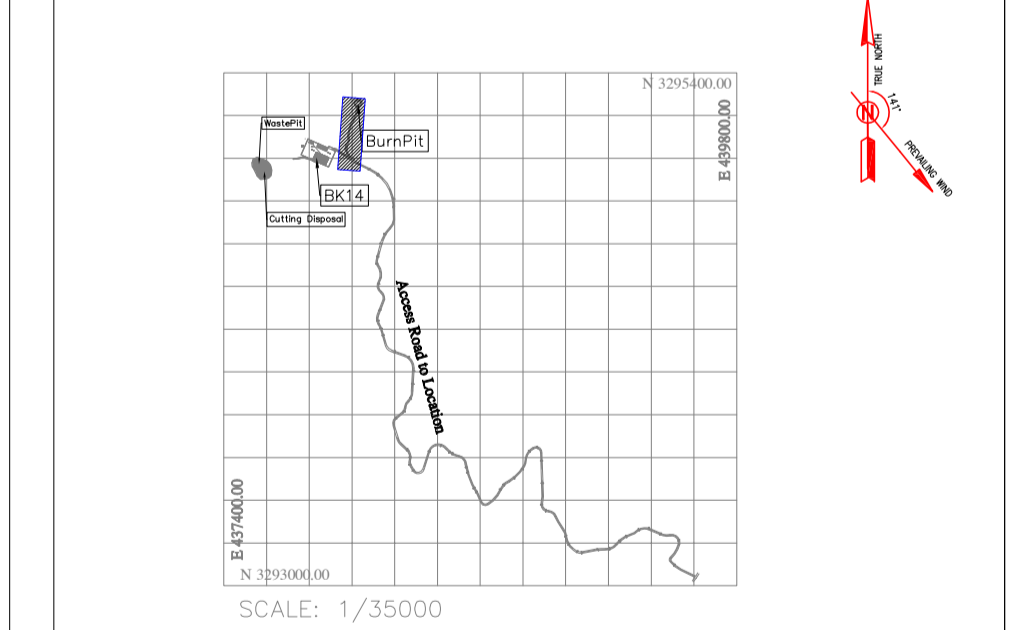
REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION

KEY PLAN



STATION	ELEVATION	PIQUET	CURVE DATA
0+000	183.357	0	
0+034	183.02	2	L=33.821
0+052	182.69	3	D=52°36'54" R=39.89
0+070	182.34	4	
0+088	181.99	5	D=25°03'38" R=16.79
0+106	181.64	6	L=0.851
0+124	181.29	7	D=46°40'44" R=22.00
0+142	180.94	8	L=7.419
0+160	180.59	9	D=23°03'52" R=44.57
0+178	180.24	10	L=29.111
0+196	179.89	11	D=17°07'16" R=42.99
0+214	179.54	12	L=28.582
0+232	179.19	13	D=23°04'49" R=140.61
0+250	178.84	14	
0+267	178.49	15	

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	39.89	36.63	N15° 52' 54.99"W	(437984.06,3295013.70)	(437974.39,3295047.71)
C2	16.79	7.35	N22° 57' 21.19"E	(437977.55,3295064.92)	(437980.40,3295071.63)
C3	22.00	17.92	N12° 08' 48.53"E	(437980.95,3295072.41)	(437984.62,3295089.45)
C4	44.57	17.94	N0° 20' 22.78"E	(437983.18,3295096.73)	(437983.28,3295114.55)
C5	42.93	12.83	N20° 25' 56.95"E	(437989.27,3295143.04)	(437993.73,3295155.01)
C6	140.61	56.64	N17° 27' 10.51"E	(438007.59,3295180.01)	(438024.46,3295233.68)

Station	Northing	Easting
0+000.00	3294988.64	438006.78
0+010.00	3294996.05	438000.06
0+020.00	3295003.46	437993.34
0+030.00	3295010.87	437986.63
0+040.00	3295018.28	437980.92
0+050.00	3295027.53	437975.21
0+060.00	3295037.30	437973.86
0+070.00	3295047.26	437974.31
0+080.00	3295057.10	437976.11
0+090.00	3295066.91	437978.04
0+100.00	3295075.63	437982.85
0+110.00	3295084.30	437989.63
0+120.00	3295095.16	437983.49
0+130.00	3295105.08	437982.33
0+140.00	3295115.00	437983.38
0+150.00	3295124.79	437985.43
0+160.00	3295134.57	437987.49
0+170.00	3295144.35	437989.57
0+180.00	3295153.71	437993.04
0+190.00	3295162.47	437997.86
0+200.00	3295171.21	438002.71

Coordinate of Bench Marks (UTM-ZONE 39N)

NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

LOGS: MAY.2023 IFA R.BERLOUEI M.FAKHARIAN A.M.MEHRSHAD ***
 D02 MAR.2023 IFA R.BERLOUEI M.FAKHARIAN M.MEHRSHAD ***
 D01 NOV.2022 IFA R.BERLOUEI M.FAKHARIAN M.MEHRSHAD ***
 D00 OCT.2022 IFC R.BERLOUEI M.FAKHARIAN M.MEHRSHAD ***

REV. DATE P.O.I.S PREP. CHK. APP. AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 BURN PIT ACCESS ROAD PLAN AND PROFILE

SCALE: 1/500 SIZE: A1 DRAWING NO.: BK-BK14-PEDCO-110-CV-DW-0001 SHEET NO.: 94 OF 101 REV.: D03

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

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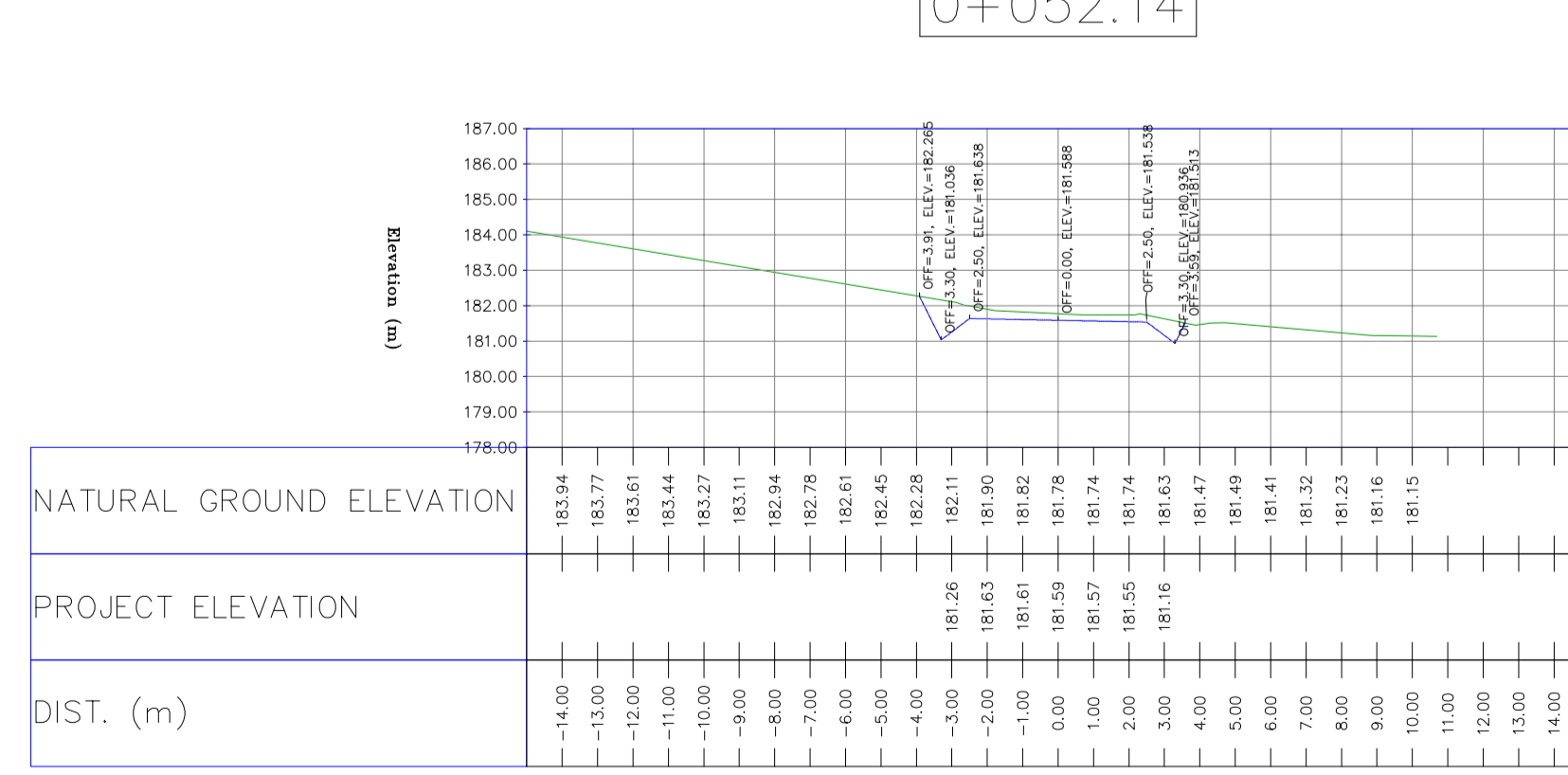
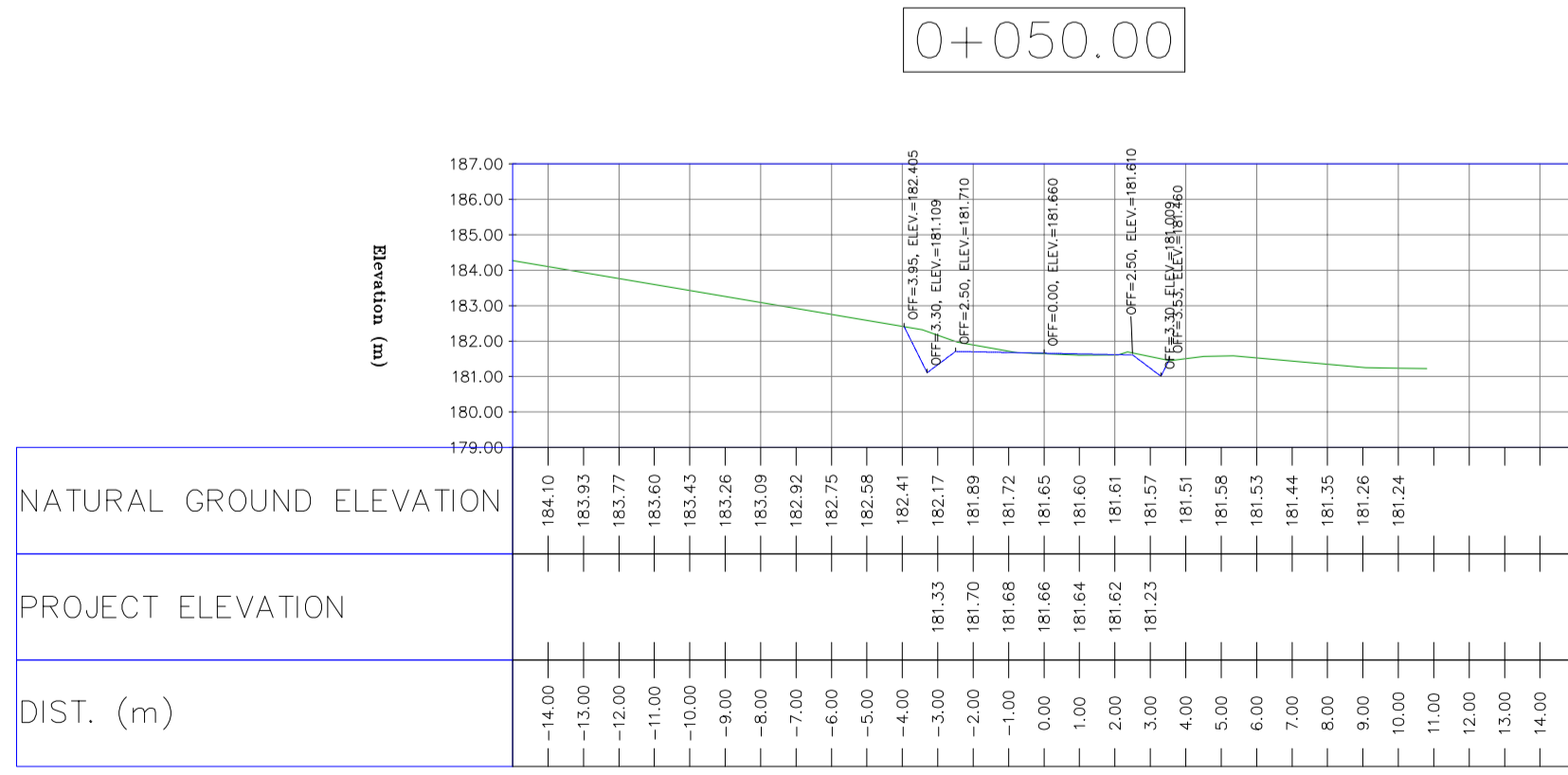
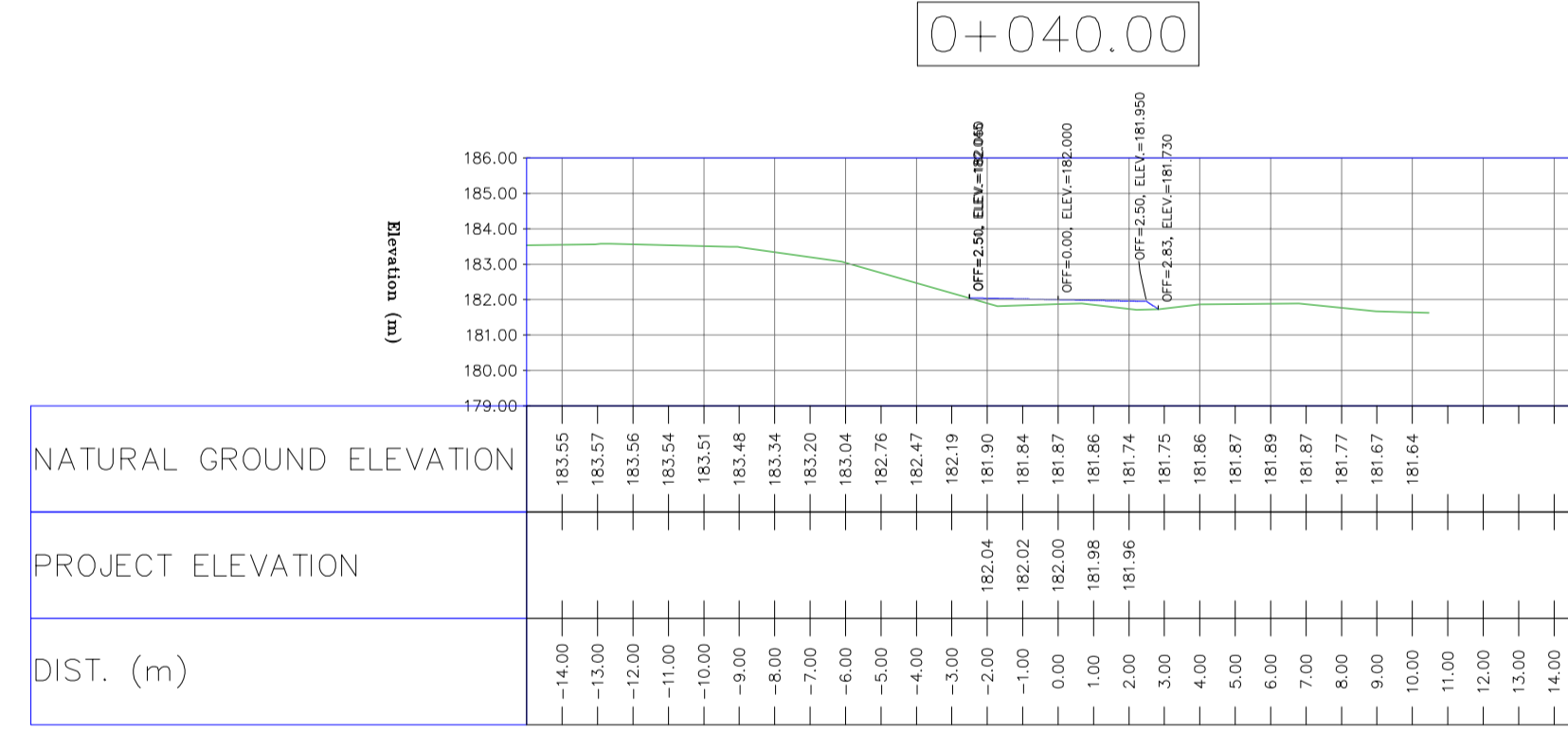
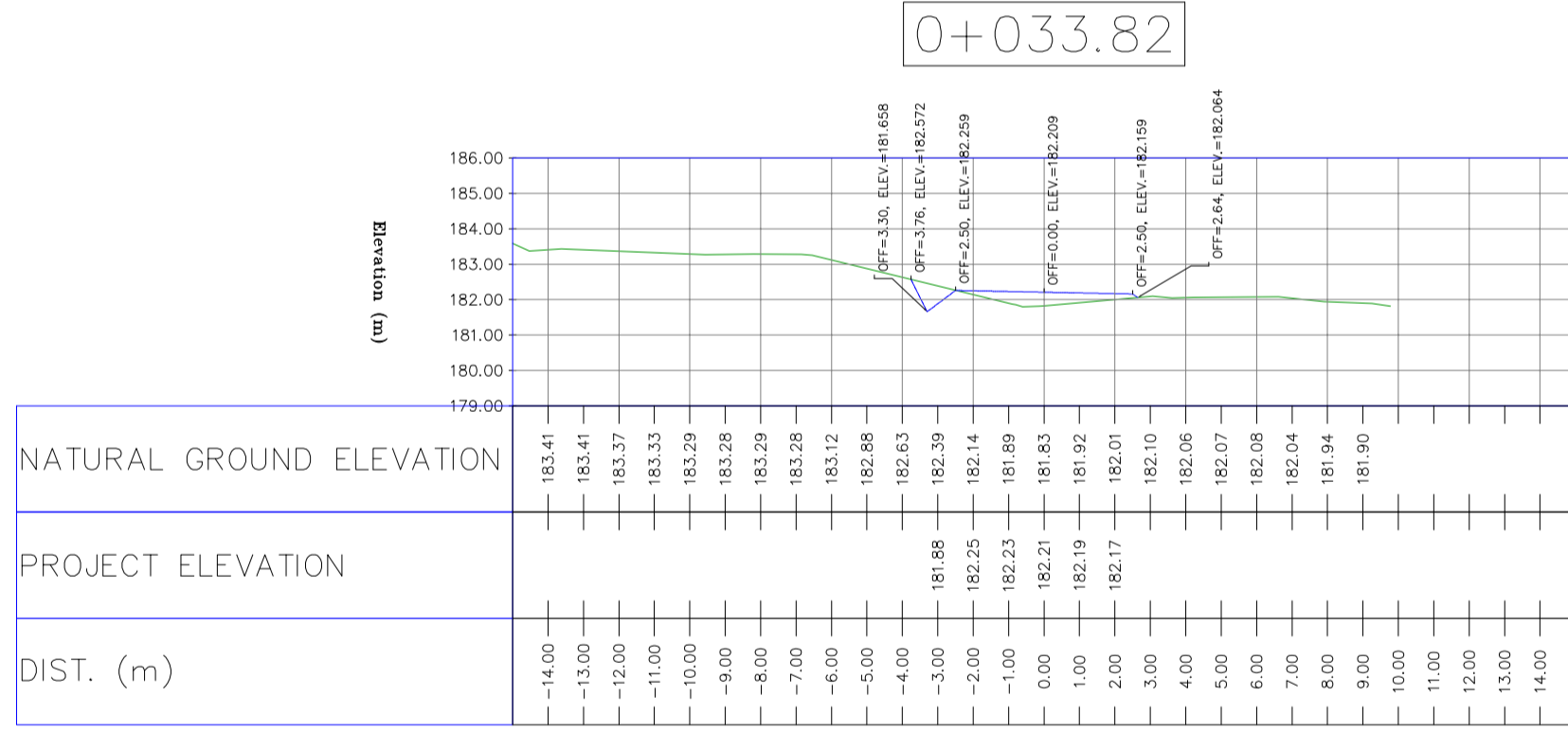
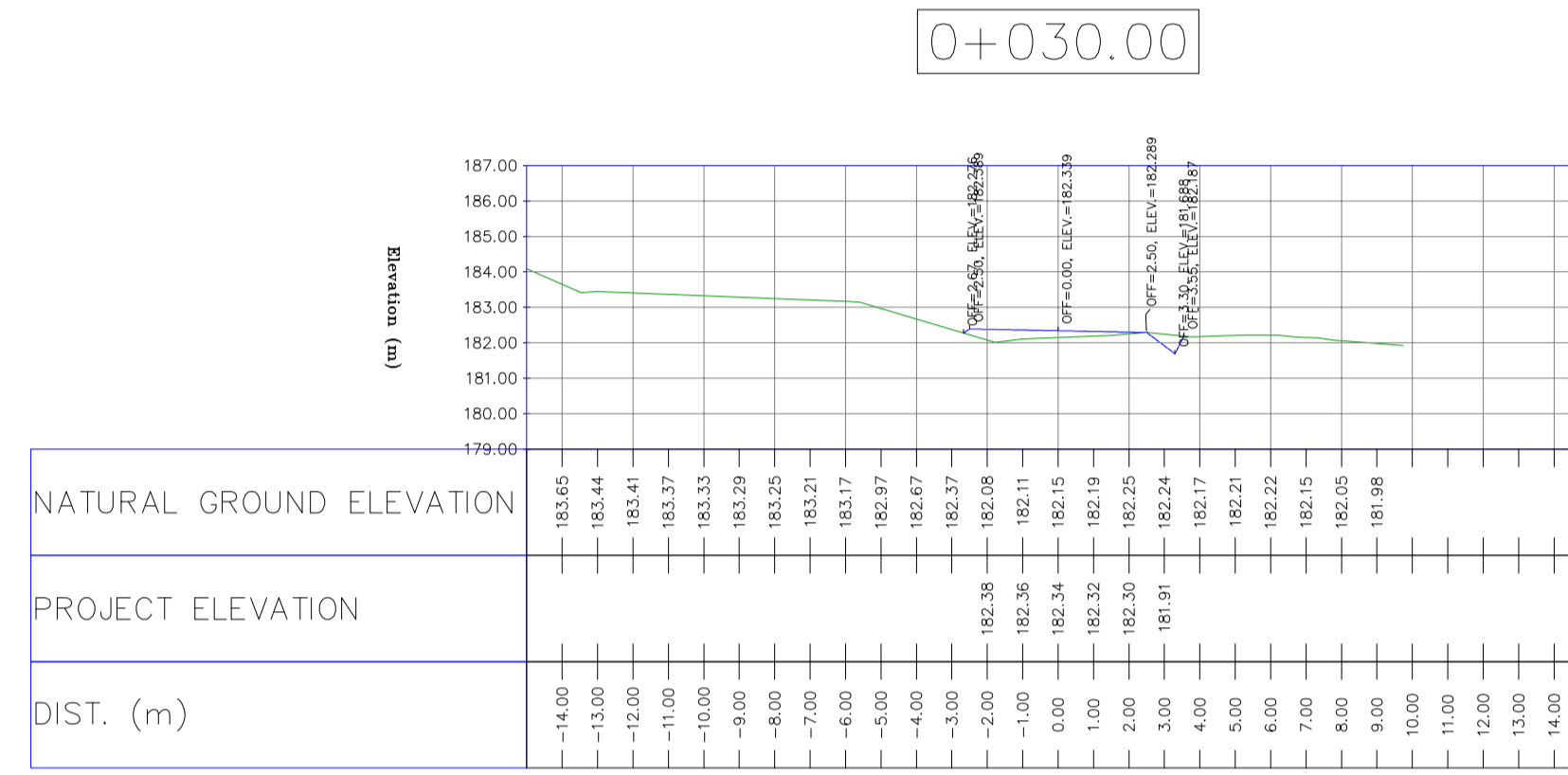
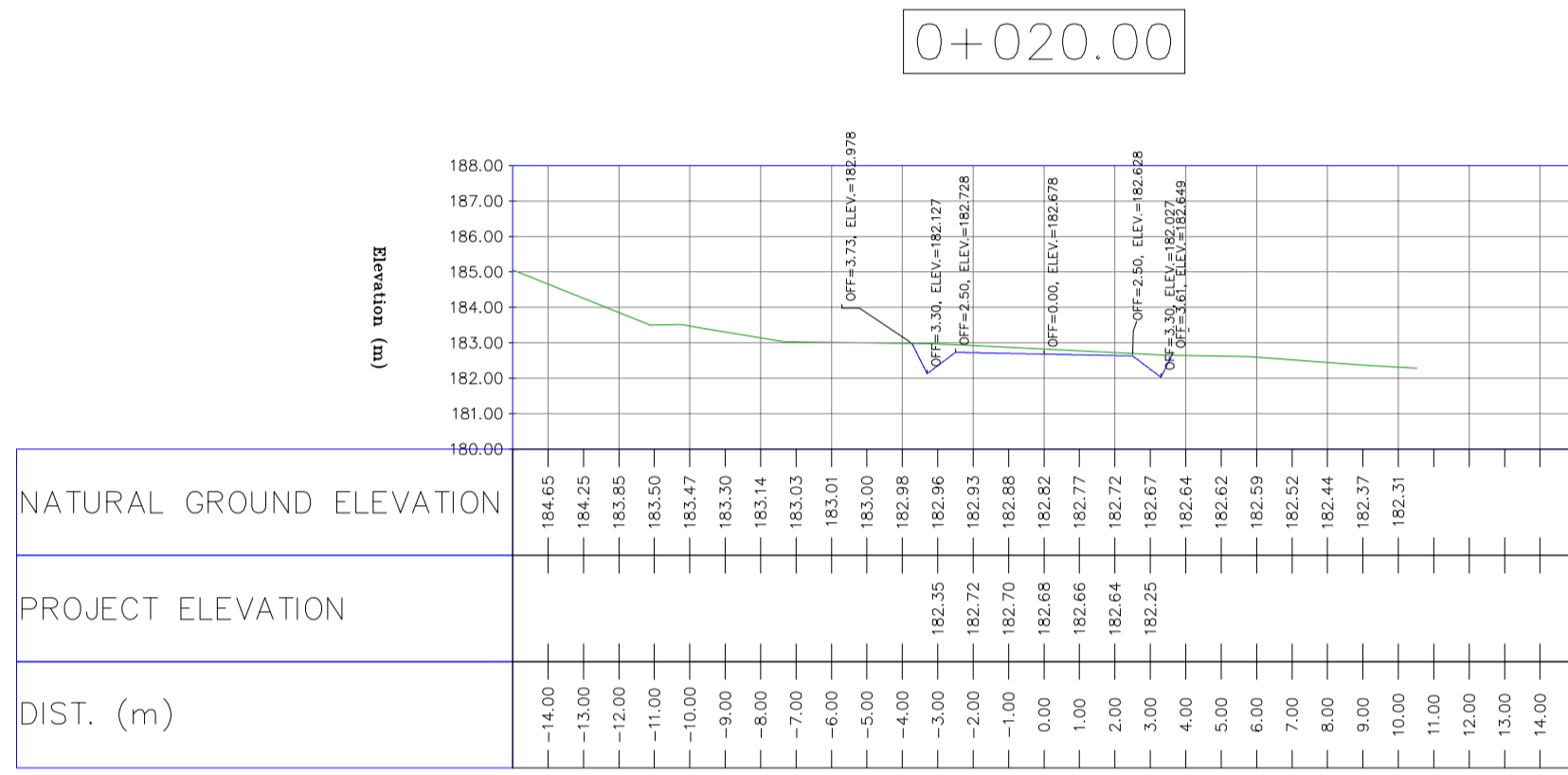
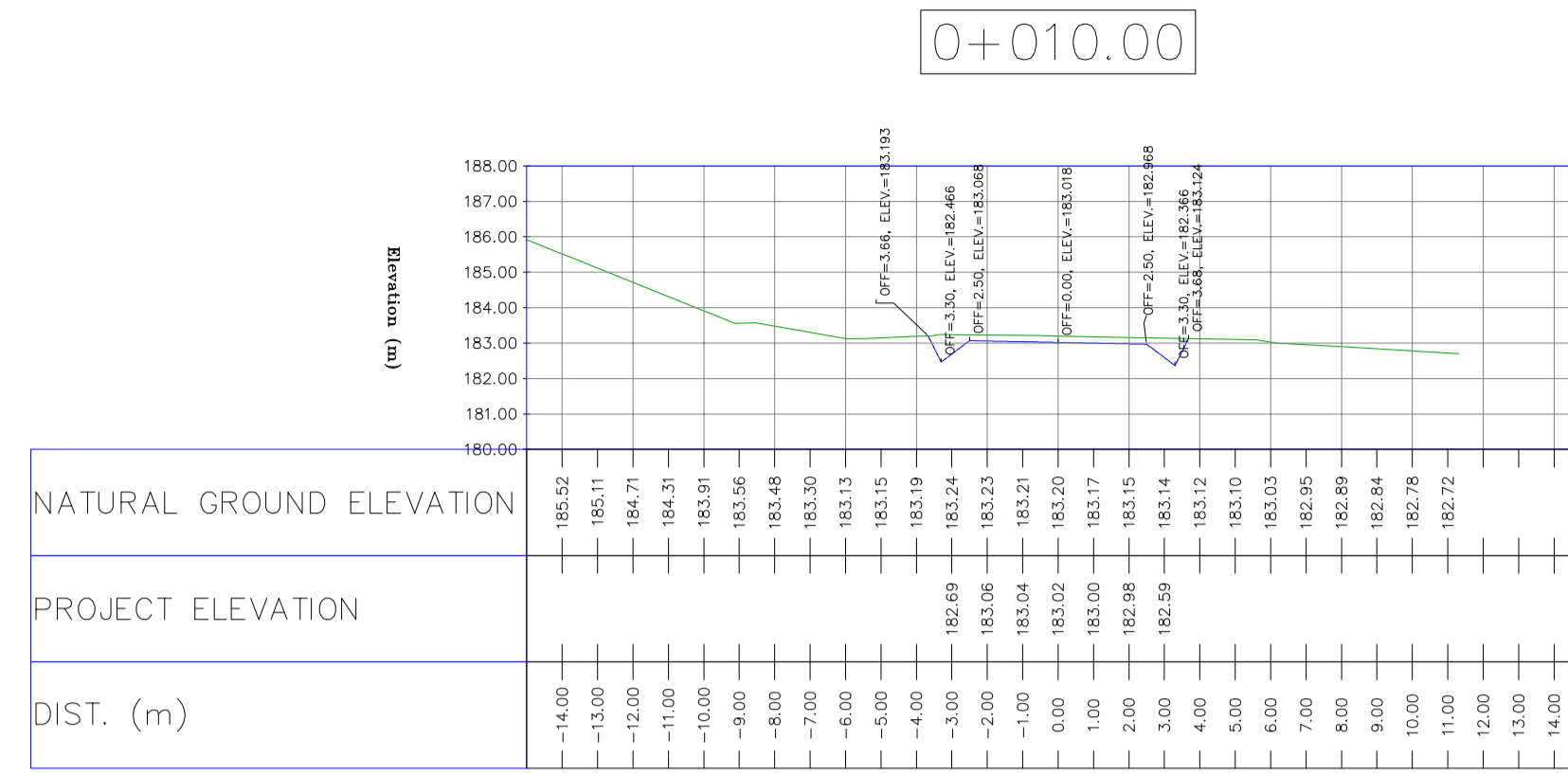
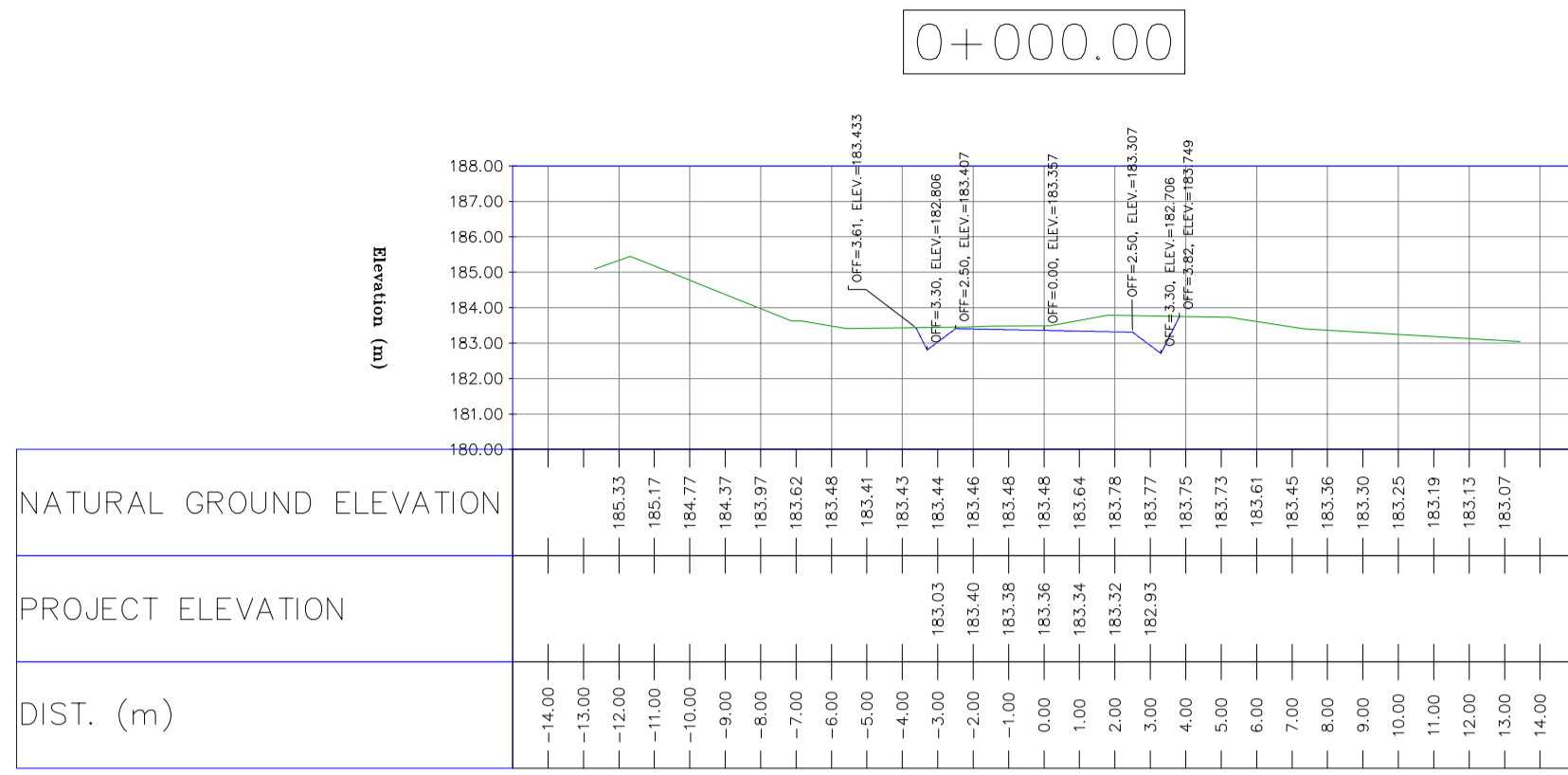
DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	94	D03

TOTALLY REVISED



NOTES

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HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
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- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207,
IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK"
DOCUMENT NUMBER "BK-GNRL-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-RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
- 7-PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGR-L-PEDCO-110-PI-DW-0001

LEGEND

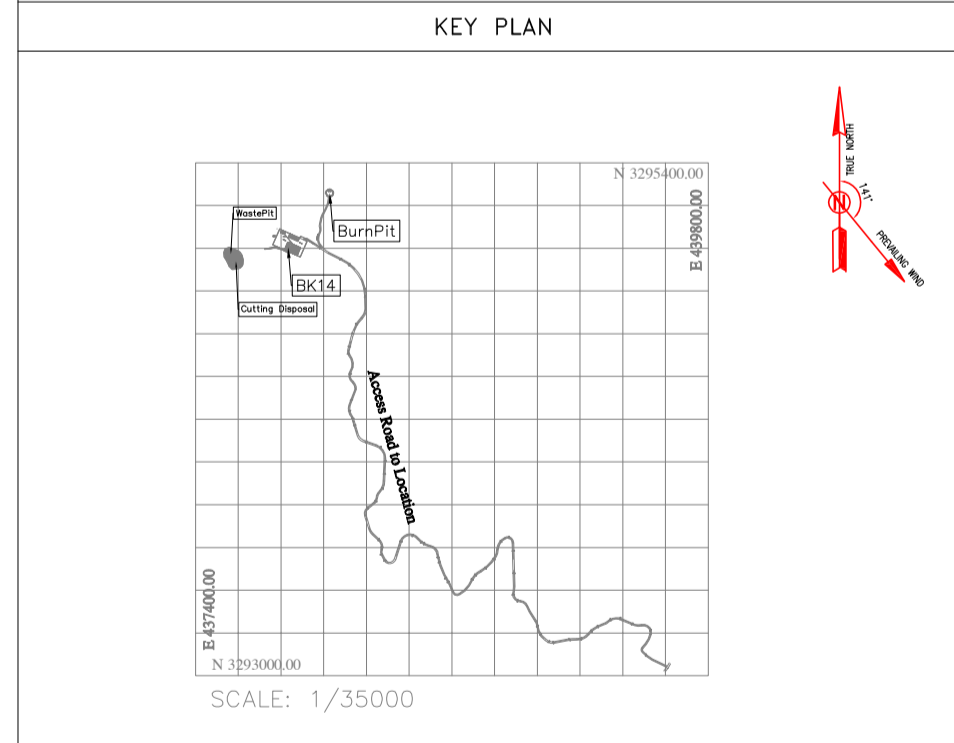
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
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Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

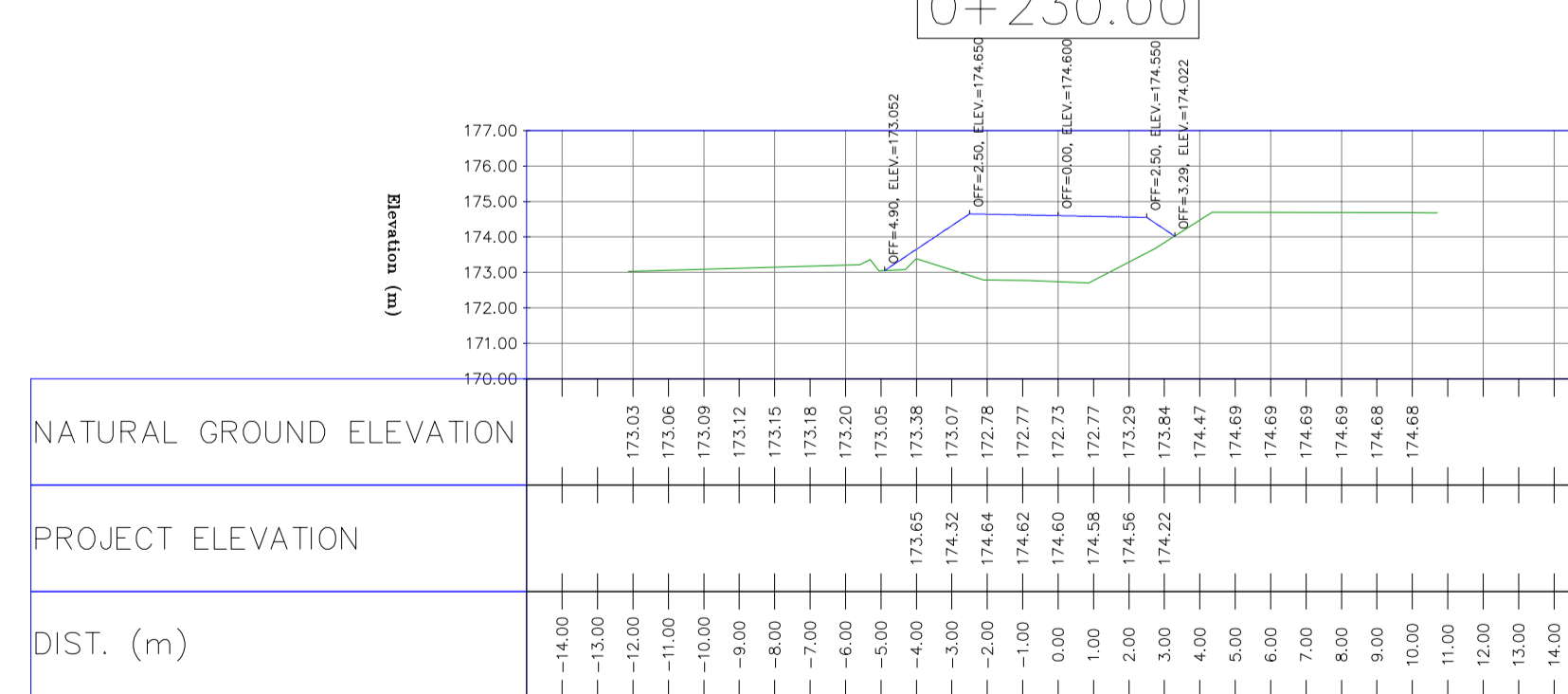
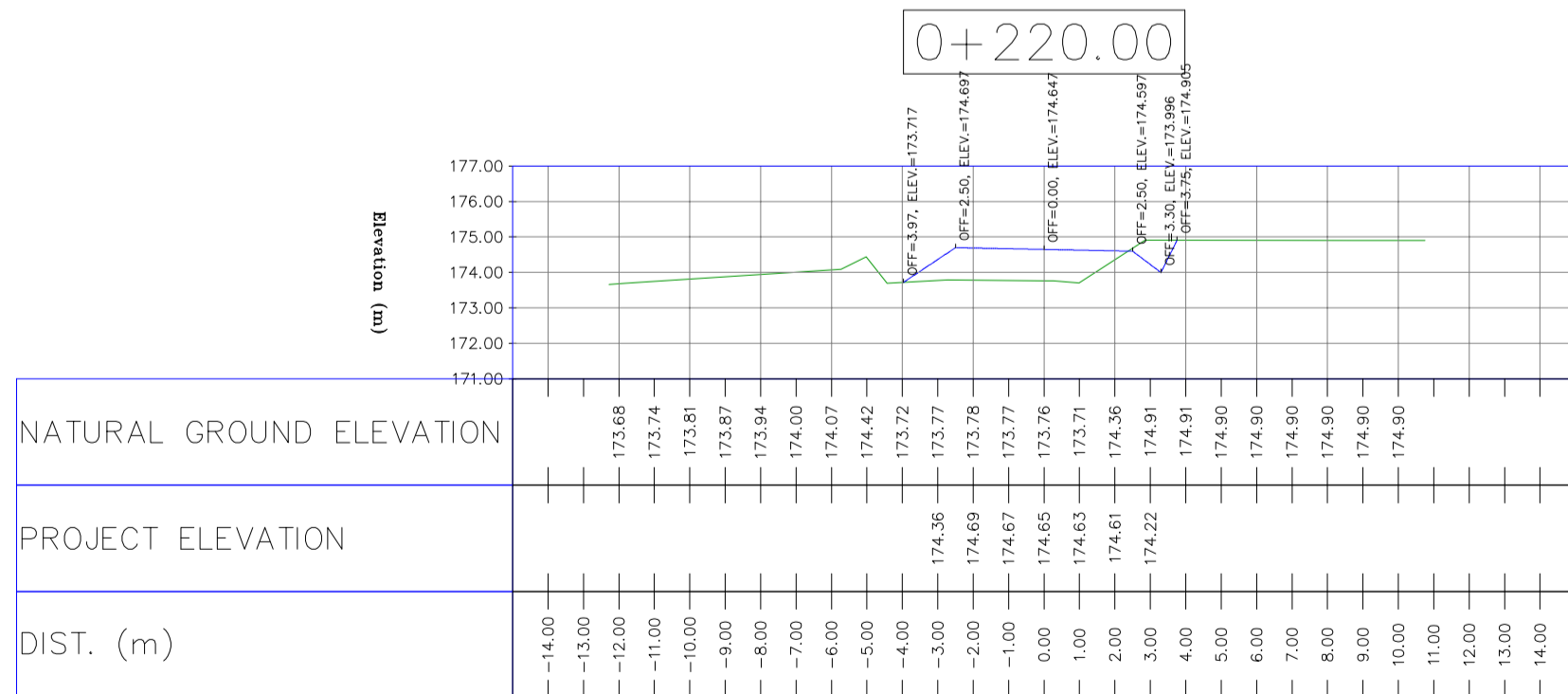
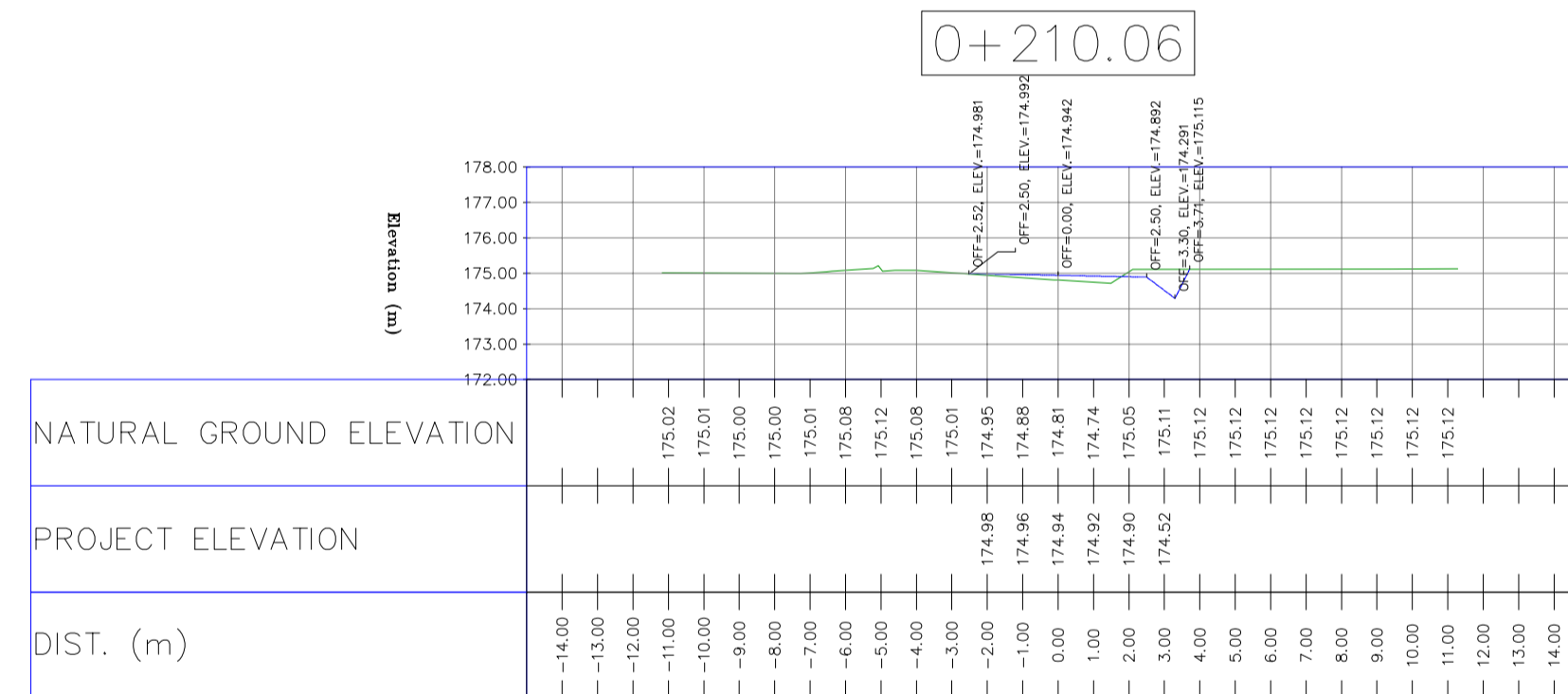
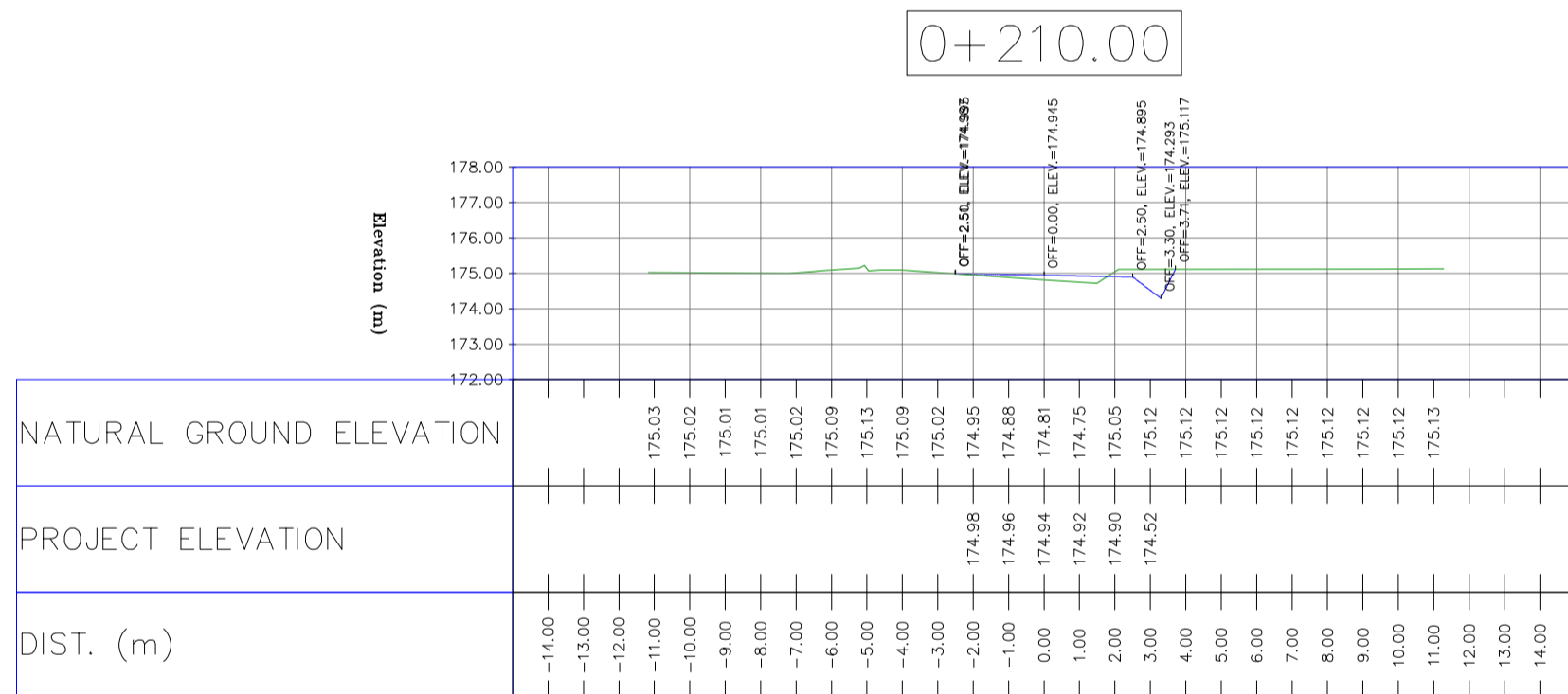
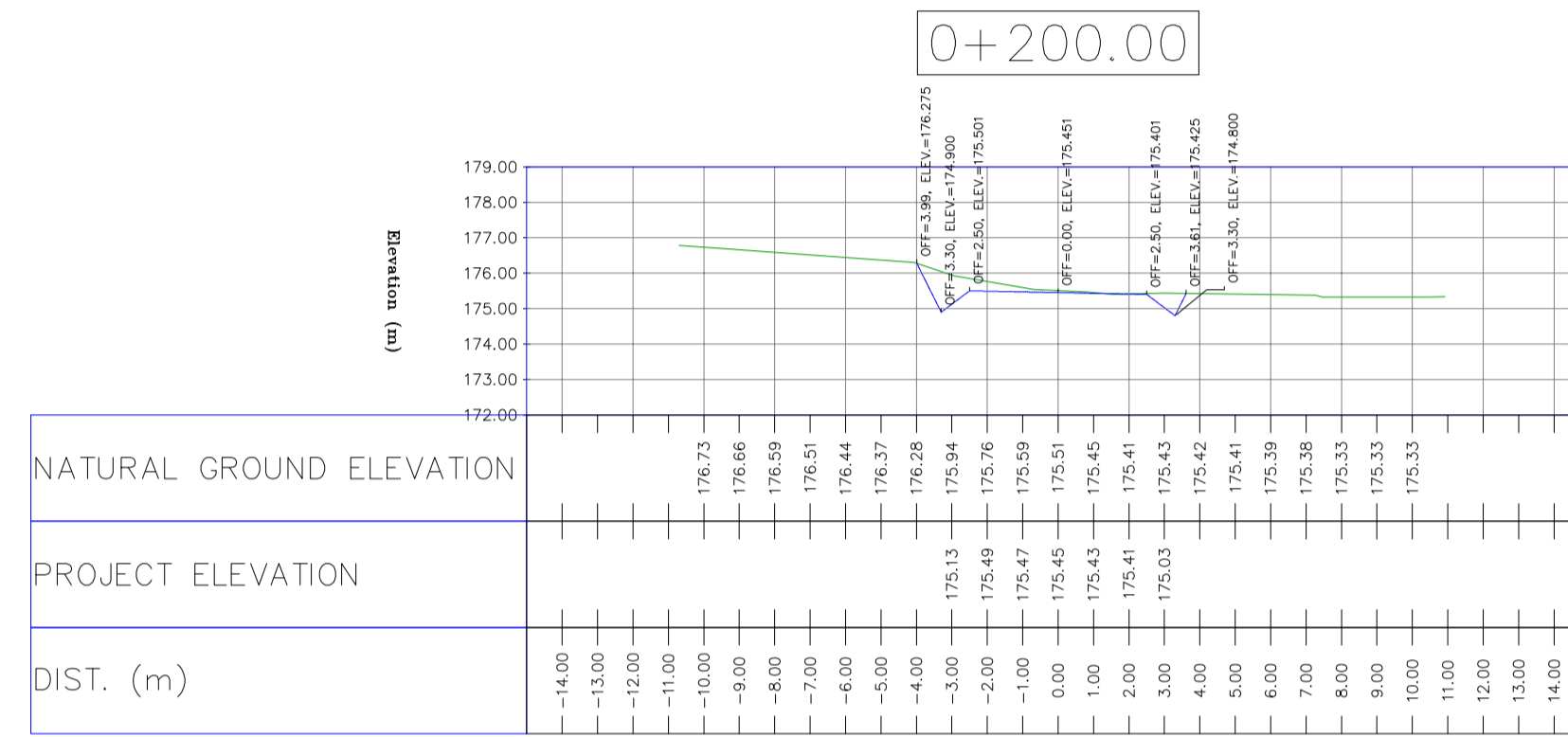
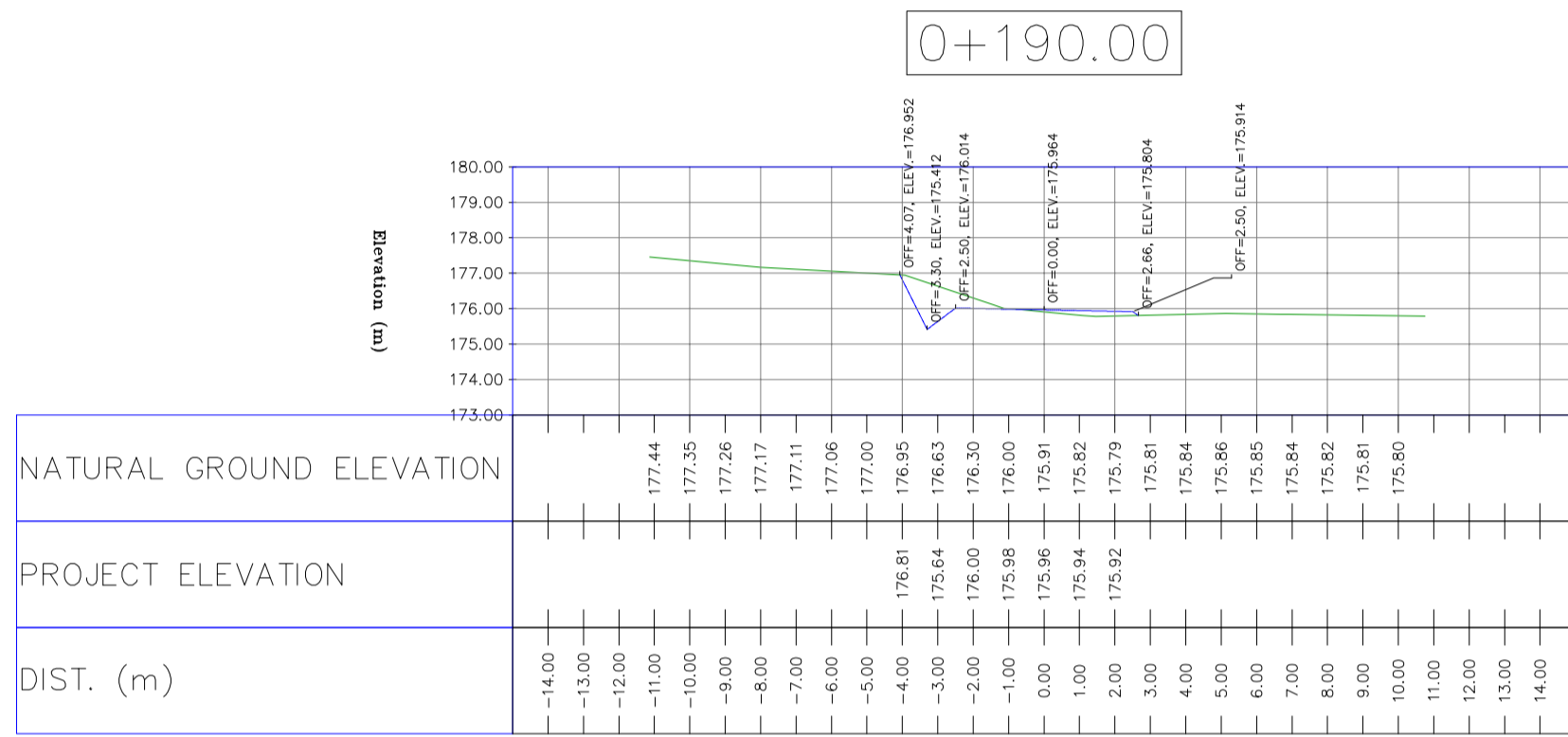
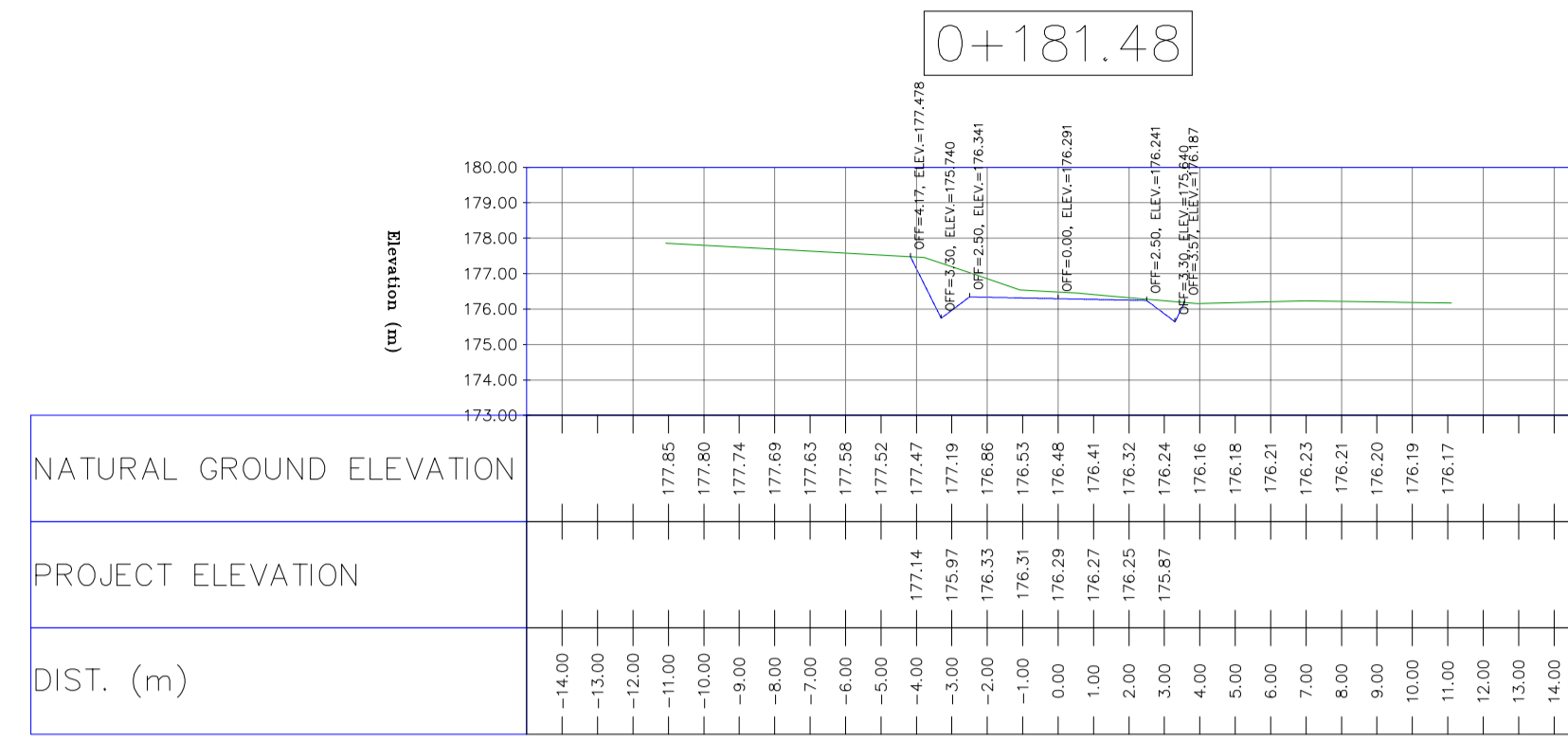
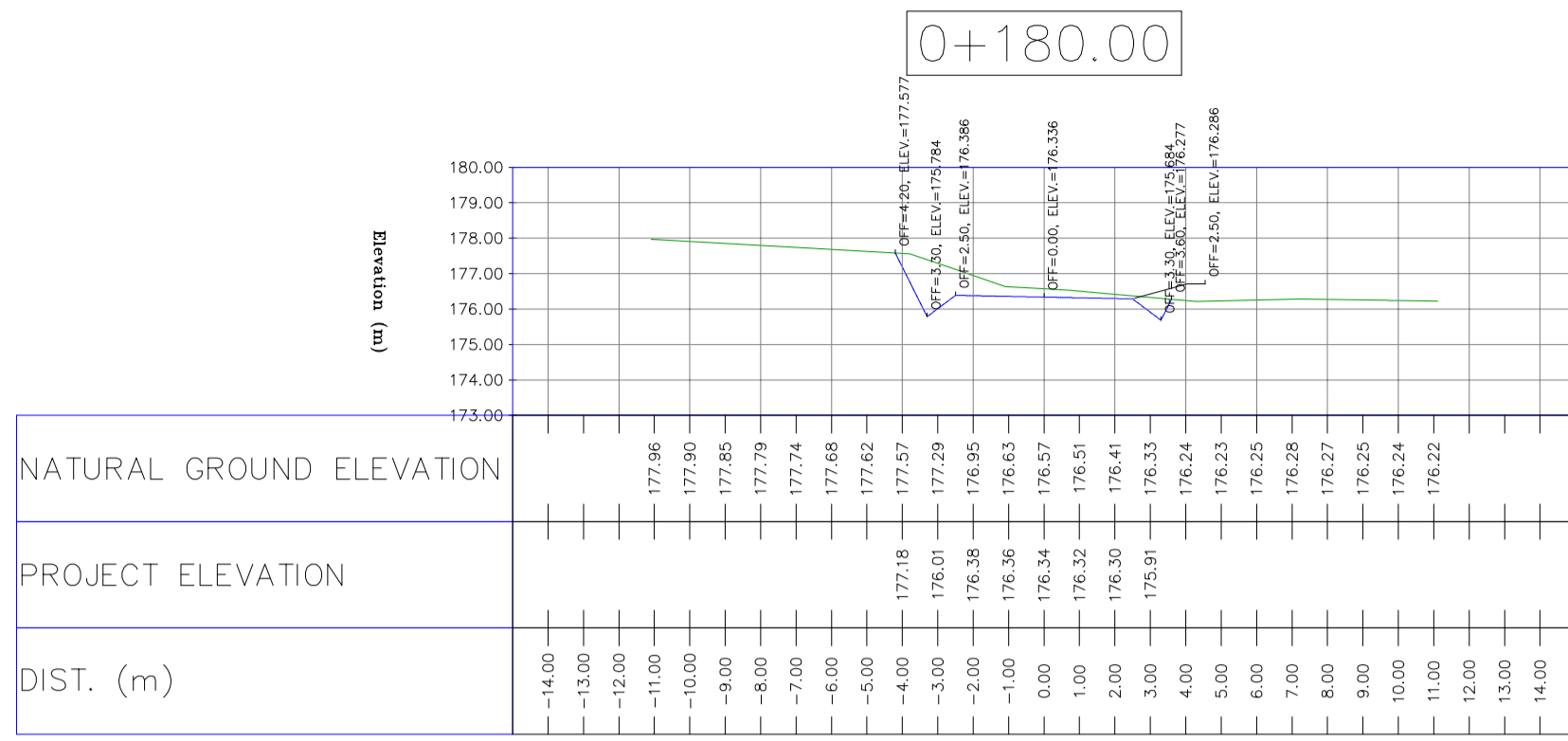
ABBREVIATION

PT= POINT
PVI= POINT OF VERTICAL INTERSECTION
LVC= LENGTH OF VERTICAL CURVE
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BVCE= BEGN OF VERTICAL CURVE ELEVATION
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D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.					
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS											
PROJECT NO.: 971020											
EPC CONTRACTOR:			EPD/EPC CONTRACTOR(GC):								
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 BURN PIT ACCESS ROAD TRANSVERSAL SECTIONS											
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	95 OF 101	D03	053-073-9184	F	4	S	708209	95	D03

TOTALLY REVISED



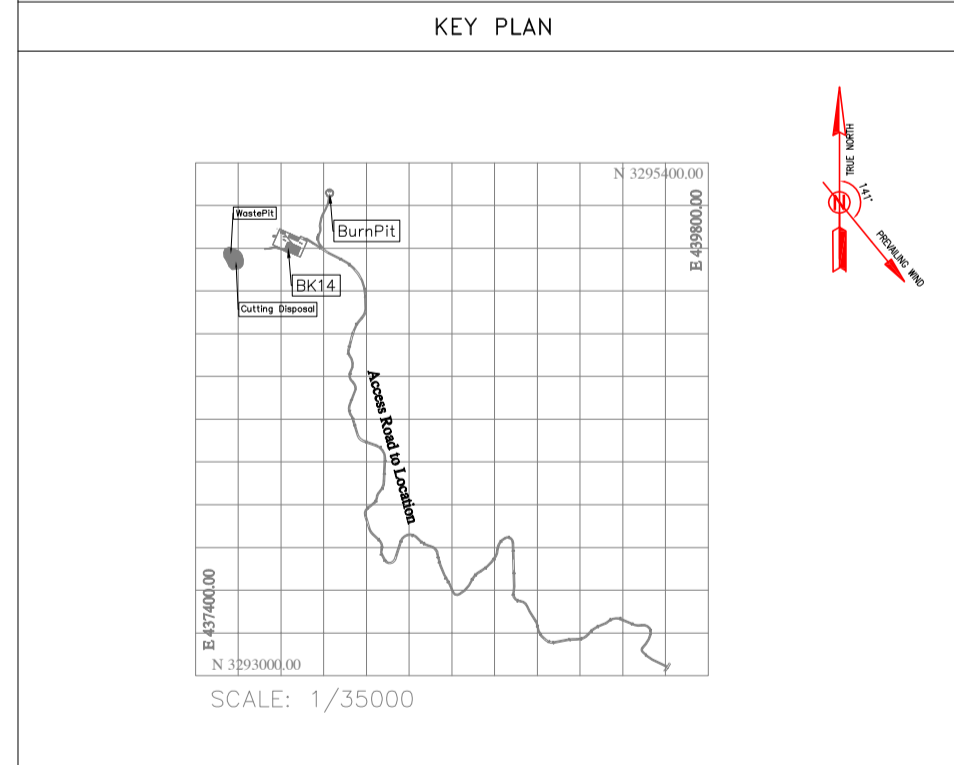
NOTES
 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
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LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		

REFERENCE DRAWING	DRG. No.
General Civil Layout -BK14	BK-BK14-PEDCO-110-CV-PY-0001
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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
 PROJECT NO.: 971020

EPC CONTRACTOR: **HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES**

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

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

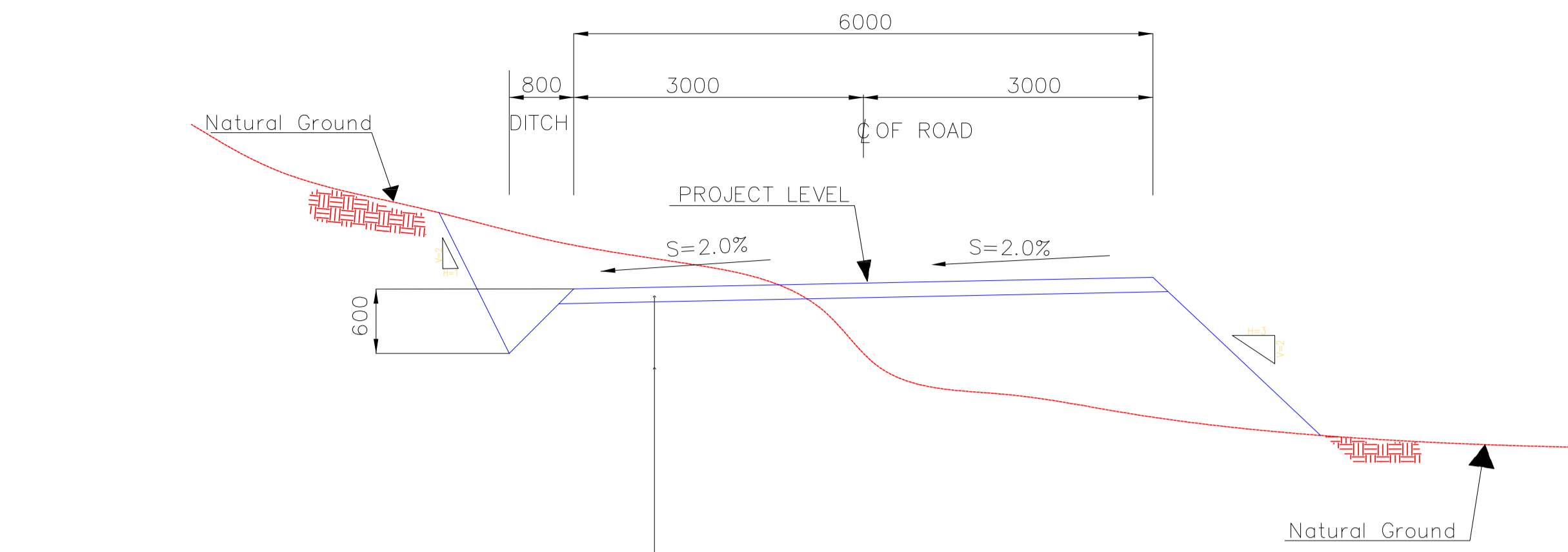
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 BURN PIT ACCESS ROAD TRANSVERSAL SECTIONS

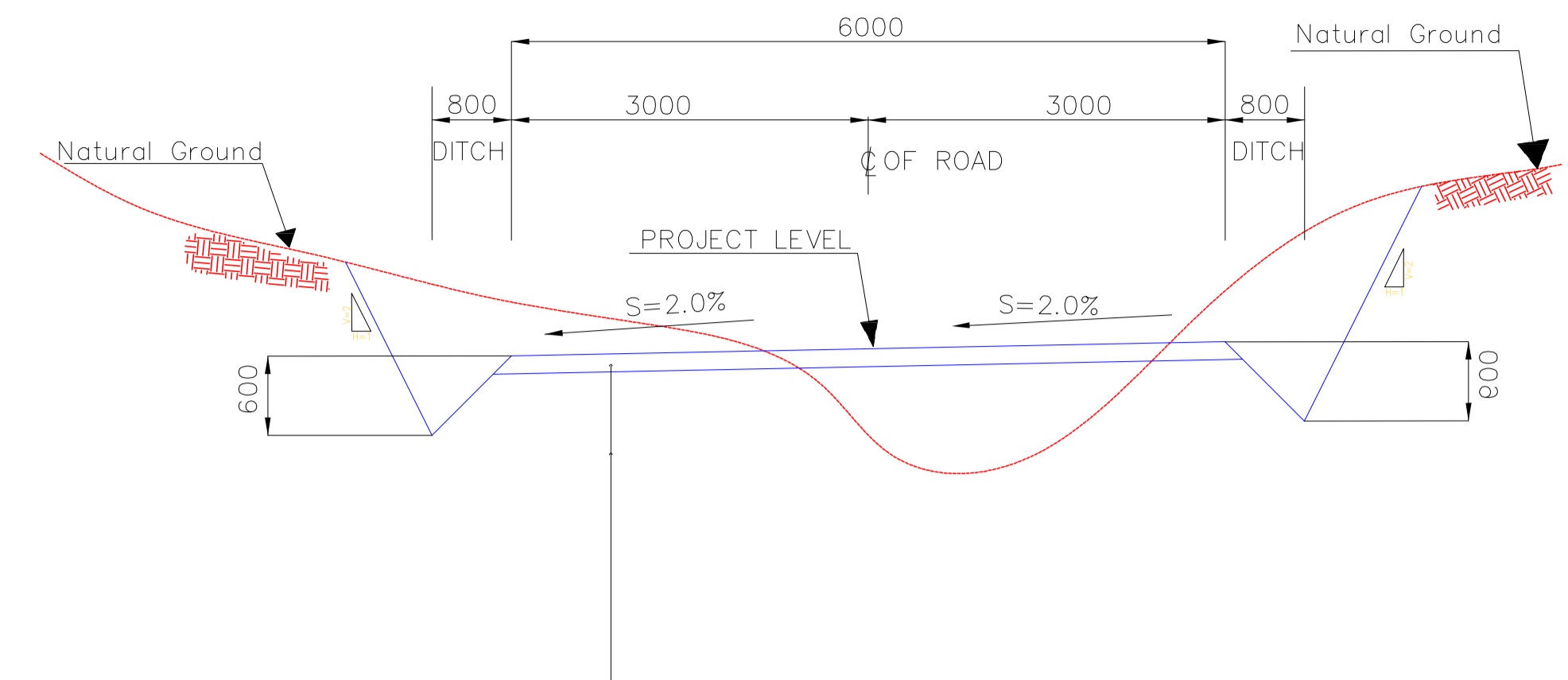
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	99 OF 101	D03	053-073-9184	F	4	S	708209	99	D03

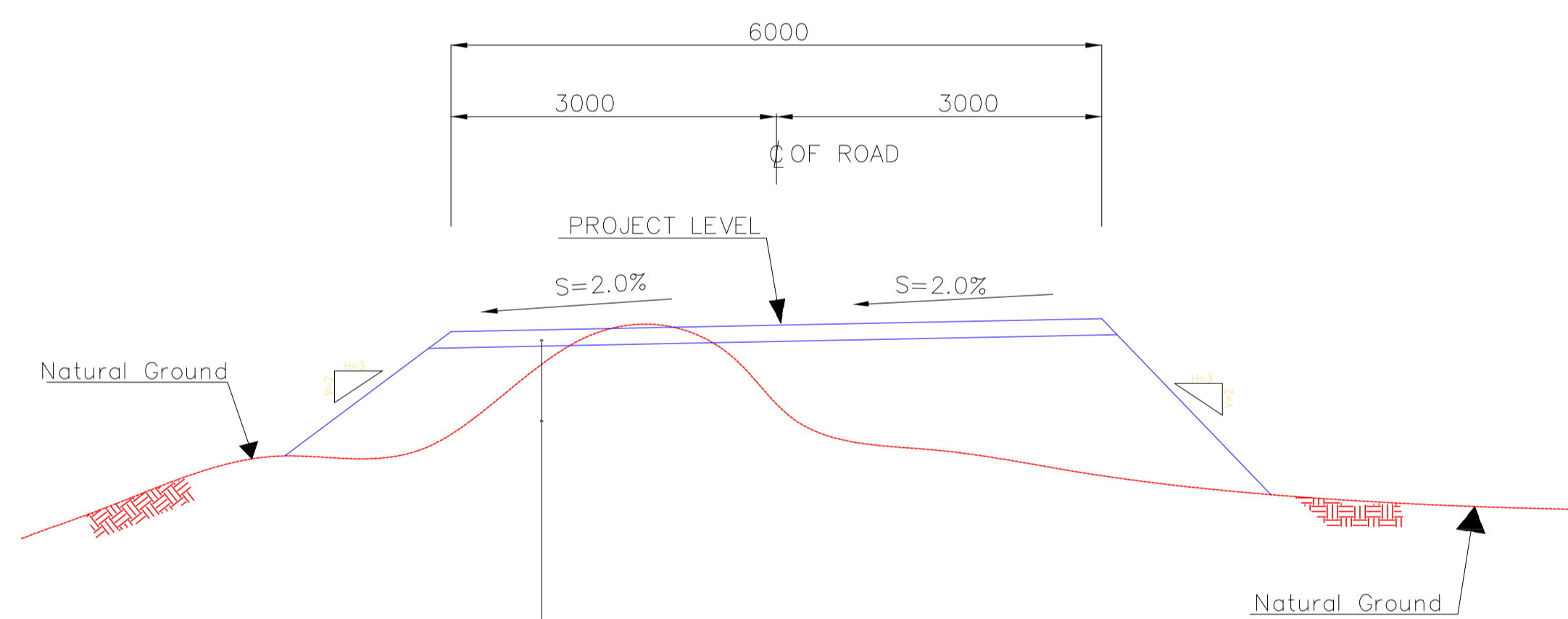
TOTALLY REVISED



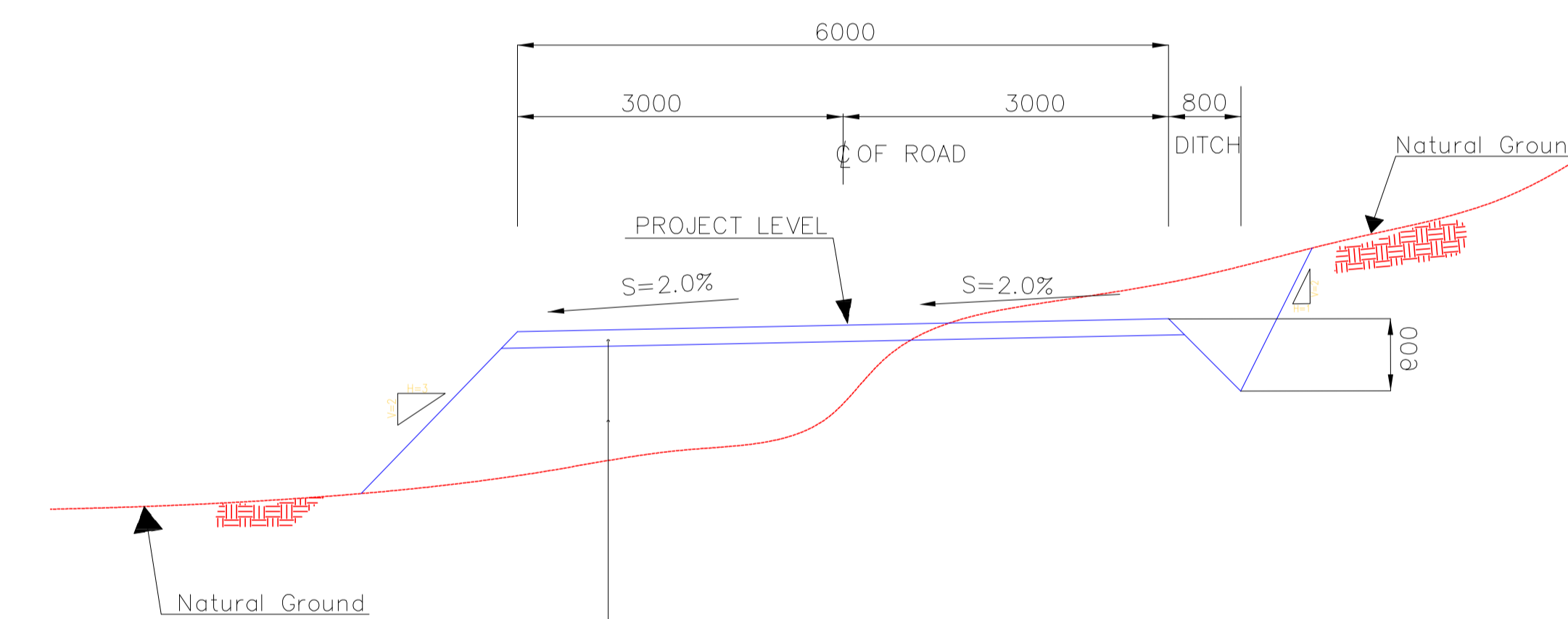
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 SUB-GRADE COMPACTED TO 99% MAX DRY DENSITY
 (Max Each Course 200mm THK)



SUB-BASE COURSE, COMPACTION=100% (150mm THK)
 SUB-GRADE COMPACTED TO 99% MAX DRY DENSITY
 (Max Each Course 200mm THK)



SUB-BASE COURSE, COMPACTION=100% (150mm THK)
 SUB-GRADE COMPACTED TO 99% MAX DRY DENSITY
 (Max Each Course 200mm THK)



SUB-BASE COURSE, COMPACTION=100% (150mm THK)
 SUB-GRADE COMPACTED TO 99% MAX DRY DENSITY
 (Max Each Course 200mm THK)

N.T.S. 1 TYPICAL CROSS SECTIONS (BURN PIT Road)

- 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: MSL
 - 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-GNRL-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-RETAINING WALL SHALL BE BASED ON THE CODE NO.292 AND PROJECT REFERENCES.
 - 7-PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGRL-PEDCO-110-PI-DW-0001

LEGEND

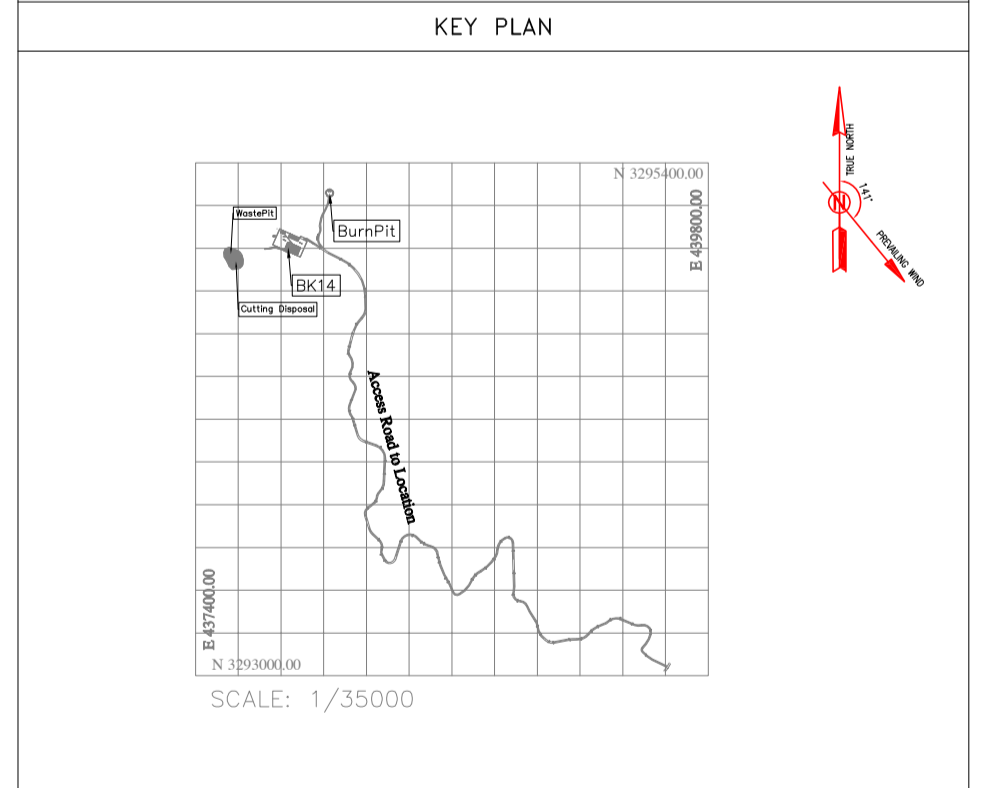
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-R1-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002
MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
 BVCS= BEGIN OF VERTICAL CURVE STATION
 BVCE= BEGIN OF VERTICAL CURVE ELEVATION
 EVCS= END OF VERTICAL CURVE STATION
 EVCE= END OF VERTICAL CURVE ELEVATION



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.	DESCRIPTION	BY	DATE	BY	DATE
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***					
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					
D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***					

PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 BURN PIT ACCESS ROAD TRANSVERSAL SECTIONS

DATE: SCALE: DRAWING BY: CHECKED BY: PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	101 OF 101	D03	053-073-9184	F	4	S	708209	101	D03

TOTALLY REVISED