

WELLPAD FOUNDATION PLAN
REINFORCEMENT
1:100

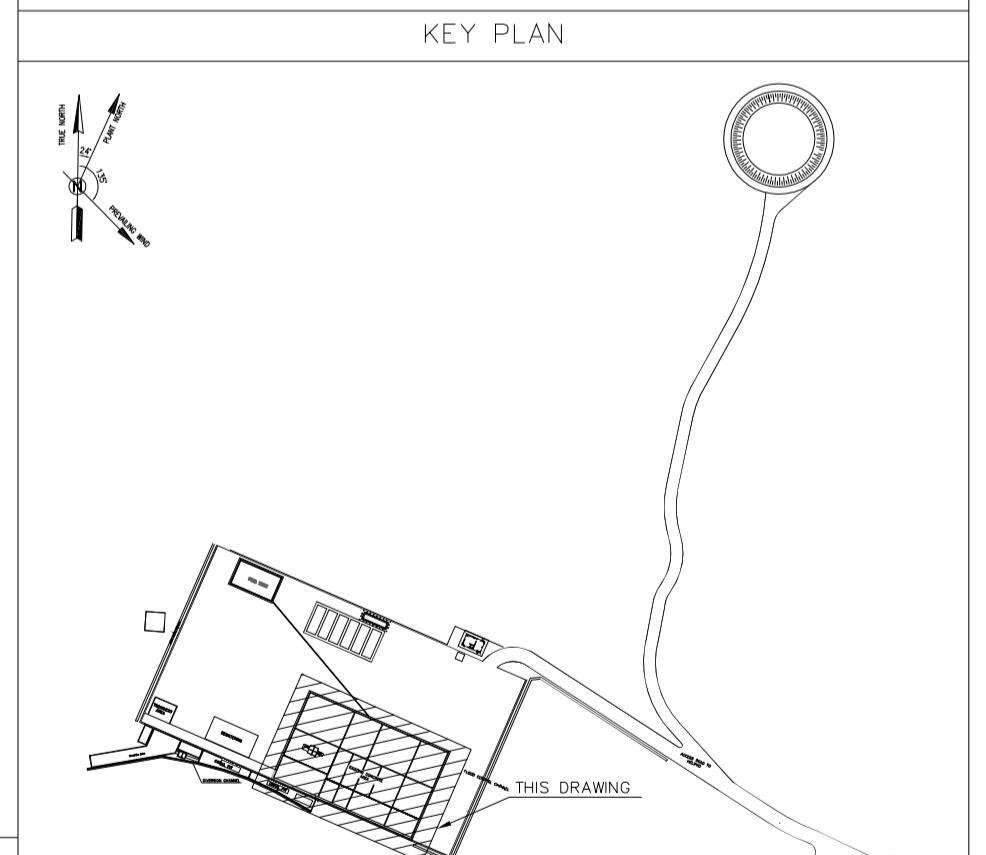
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: BK-GNRL-PEDCO-000-ST-SP-0001, 28 DAYS CHARACTERISTIC 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	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	T.O.W.	TOP OF WALL
	CEMENT BLOCK WALL	T.O.C.	TOP OF CONCRETE
	GRAVEL	B.O.C.	BOTTOM OF CONCRETE
	SUB GRADE	T.O.PIT	TOP OF PIT
	SLOPE	B.O.P.	BOTTOM OF PIPE
	GRAVEL	R.G.L.	ROUGH GRADING LEVEL
		T.O.CH.	TOP OF CHANNEL
		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
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FOUNDATION DRAWING FOR POTABLE WATER TANK FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0006
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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.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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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 WELLPAD FOUNDATION REINFORCEMENT PLAN

SCALE: AS SHOWN

SIZE: A1

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

SHEET NO.: 2 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 2

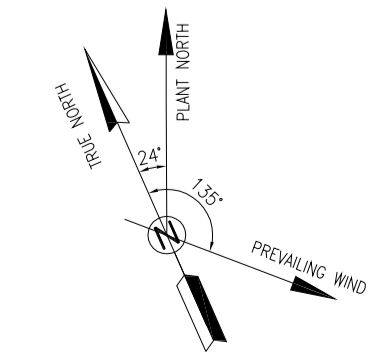
REVISION: D05

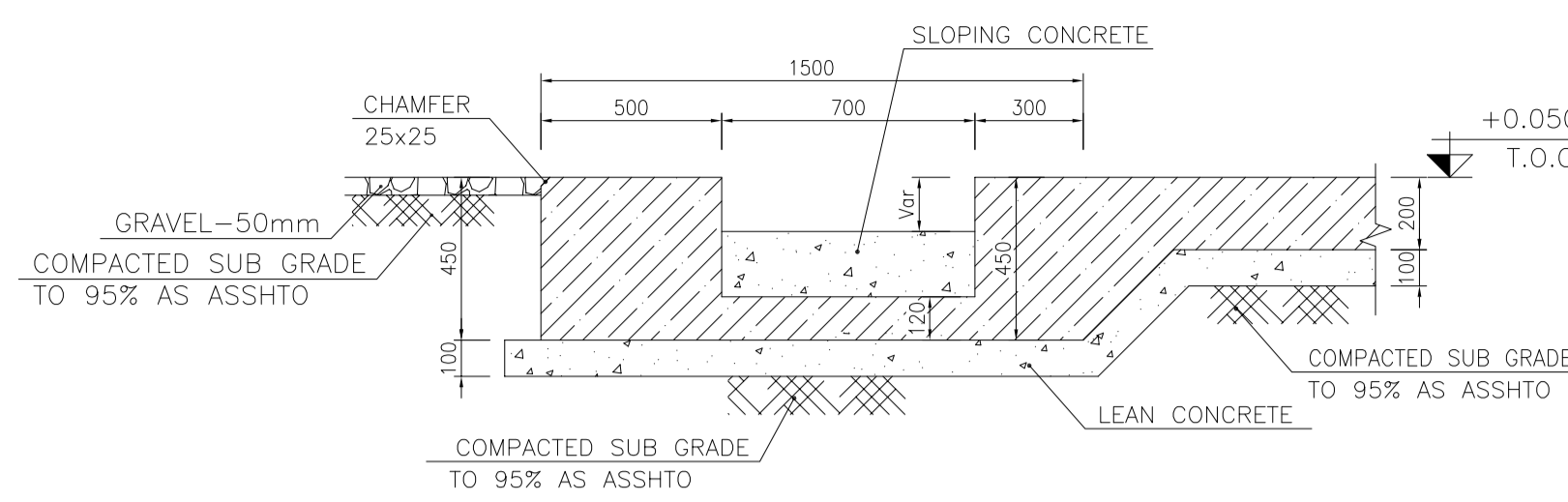
APPROVED FOR CONSTRUCTION

BY:	DATE:

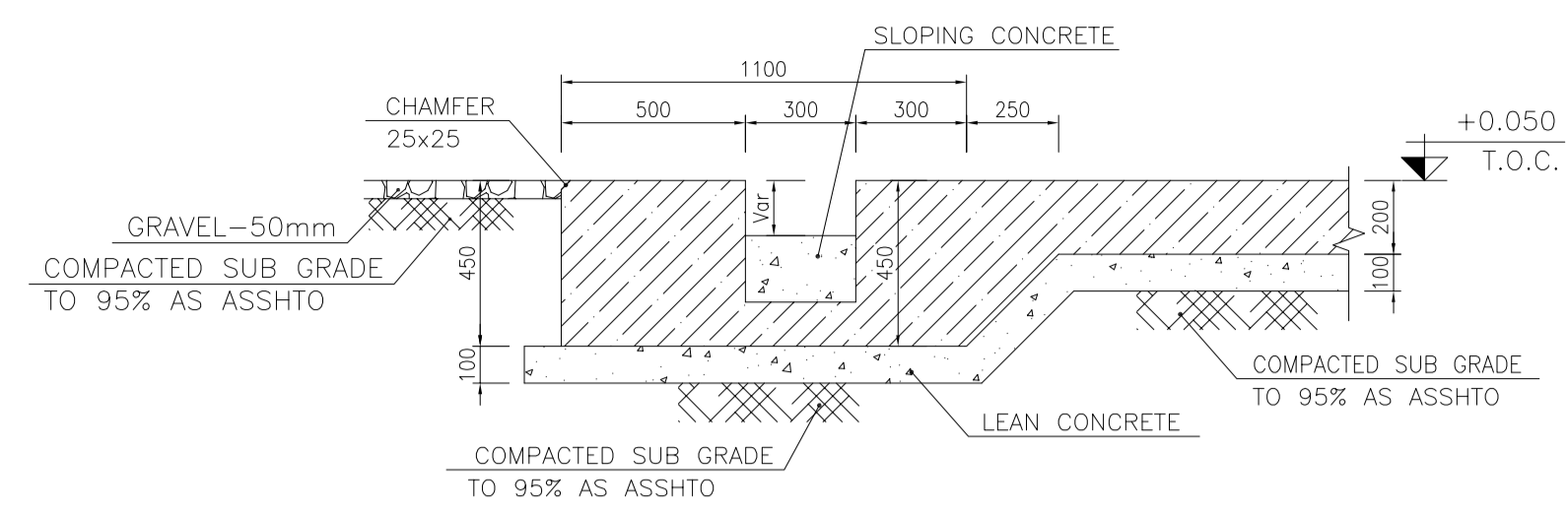
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

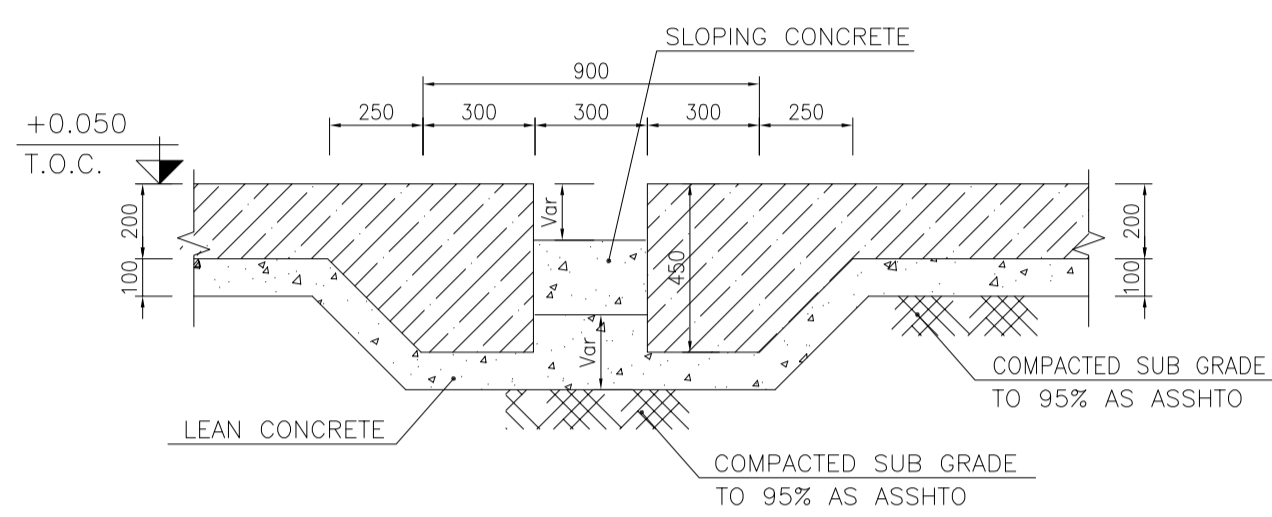




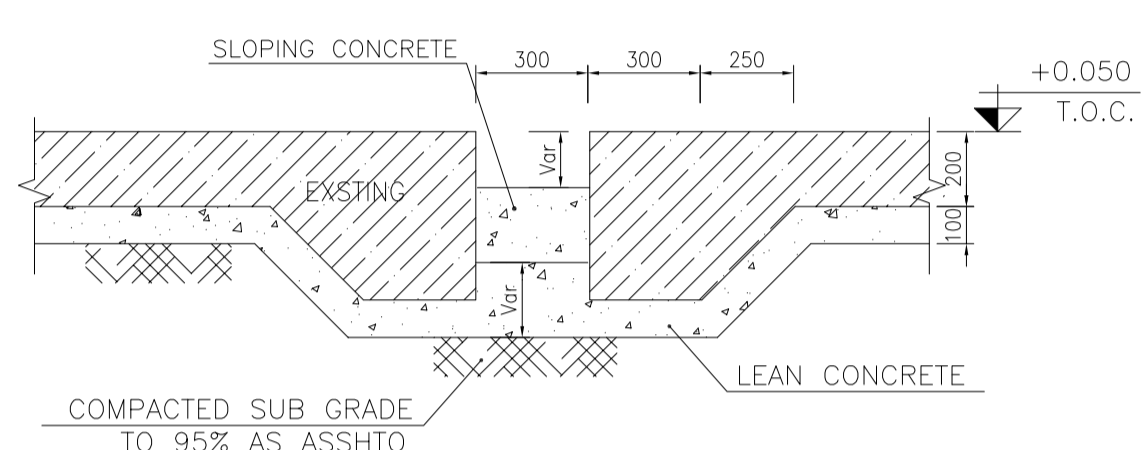
1:20 TYPICAL CHANNEL SECTION IN BOUNDARY SIDE FORMWORK



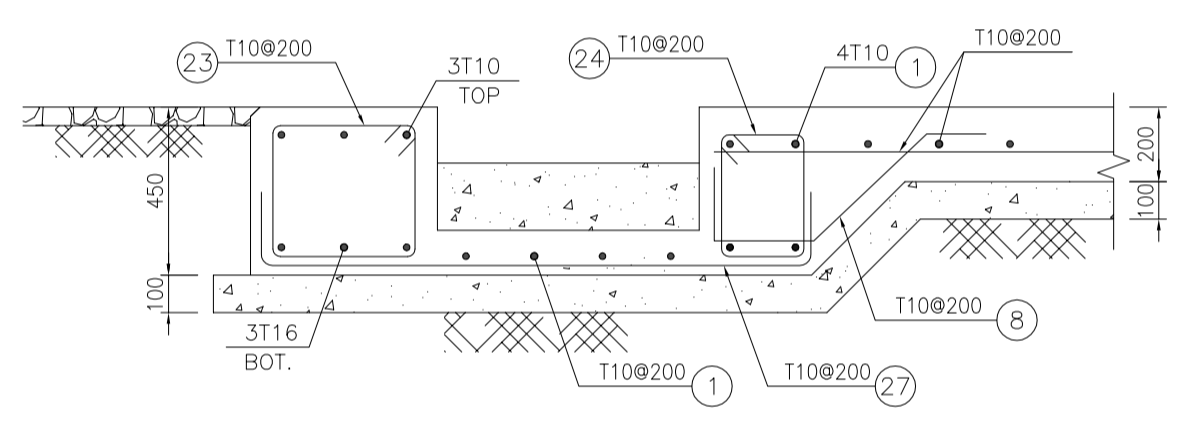
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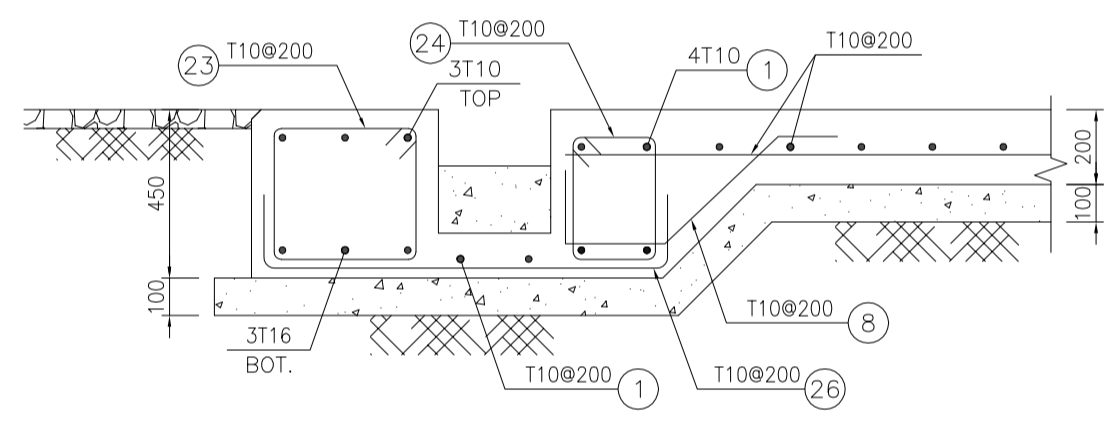
1:20 TYPICAL CHANNEL SECTION IN MIDDLE SIDE FORMWORK



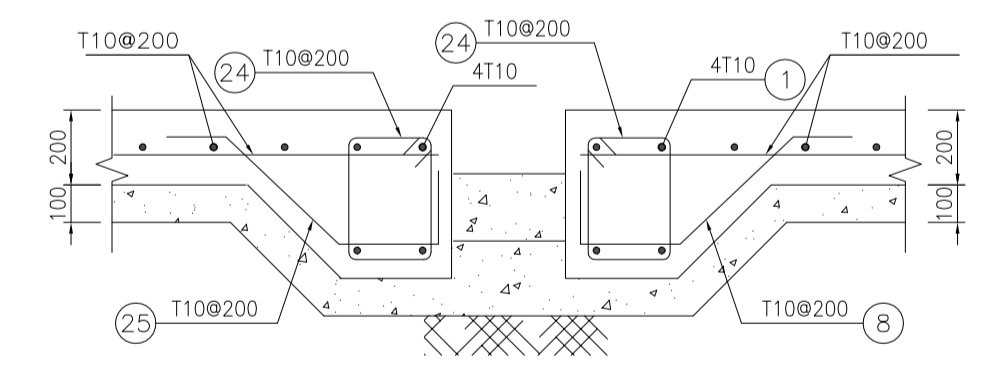
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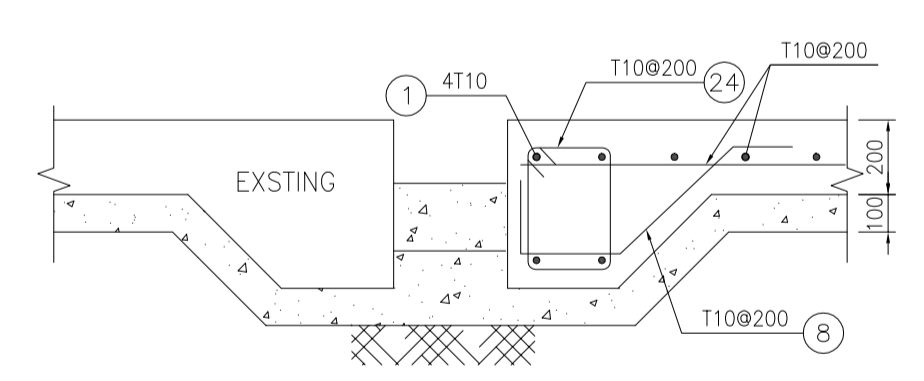
1:20 TYPICAL CHANNEL SECTION IN BOUNDARY SIDE REINFORCEMENT



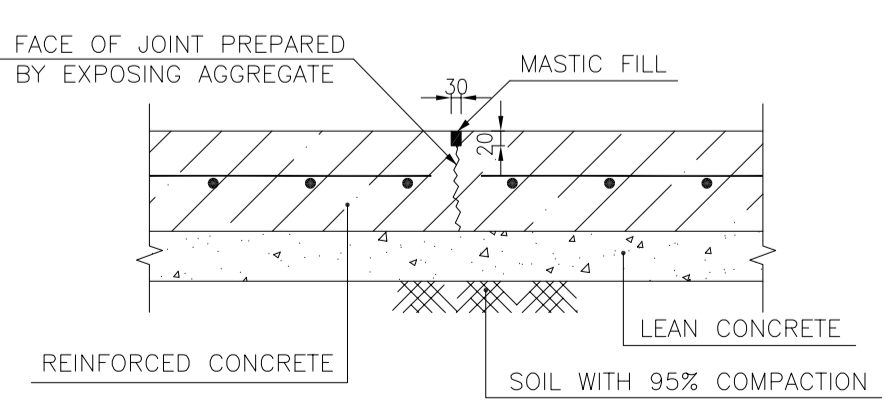
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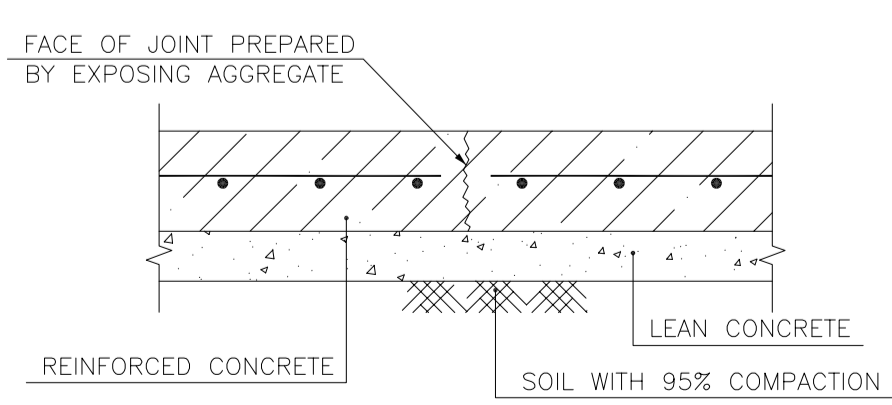
1:20 TYPICAL CHANNEL SECTION IN MIDDLE SIDE REINFORCEMENT



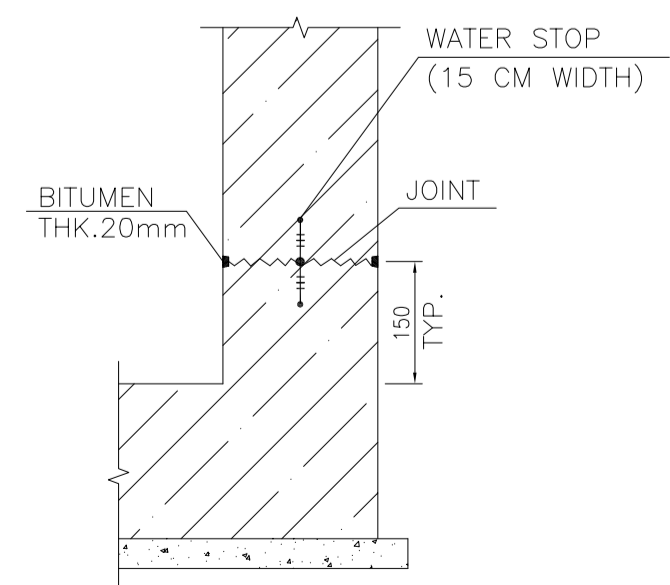
1:20 TYPICAL CHANNEL SECTION IN MIDDLE SIDE REINFORCEMENT



N.T.S. TYPICAL CONTRACTION JOINT



N.T.S. TYPICAL CONSTRUCTION JOINT



N.T.S. TYPICAL DETAIL OF WATER STOP

BAR BENDING SCHEDULE - WELLPAD

Pos	Spec.	Shape	L/A	No.	T10	T16
1	T10	12000	12.00	805	9660.0	
2	T10	9000	9.00	370	3330.0	
3	T10	8450	8.45	122	1030.9	
4	T10	5550	5.55	113	627.15	
5	T10	3550	3.55	180	639.0	
6	T10	3750	3.75	76	285.0	
7	T10	10250	10.25	66	676.5	
8	T10	150 200 400 150	0.90	2840	2556.0	
9	T10	5850	5.85	74	432.9	
10	T10	4350	4.35	295	1283.25	
11	T10	5250	5.25	114	598.50	
12	T10	7950	7.95	195	1550.25	
13	T10	9750	9.75	97	945.75	
14	T10	6800	6.80	45	306.0	
15	T10	9000	9.00	45	405.0	
16	T10	6000	6.00	45	270.0	
17	T10	1300	1.30	6	7.80	
18	T16	12000	12.00	42		504.00
19	T16	7800	7.80	3		23.40
20	T16	9600	9.60	3		28.80
21	T16	6600	6.60	3		19.80
22	T16	1900	1.90	3		5.70
23	T10	300 350 100	1.50	925	1387.5	
24	T10	250 150 100	1.00	2840	2840.0	
25	T10	150 1350 150	1.65	210	346.5	
26	T10	150 950 150	1.25	710	887.5	
TOTAL LENGTH OR AREA (m/m ²)					30065.50	581.70
UNIT WEIGHT (Kg)					0.617	1.578
WEIGHT (Kg)					18550.42	917.93
GRAND TOTAL (Kg)						19500

- * 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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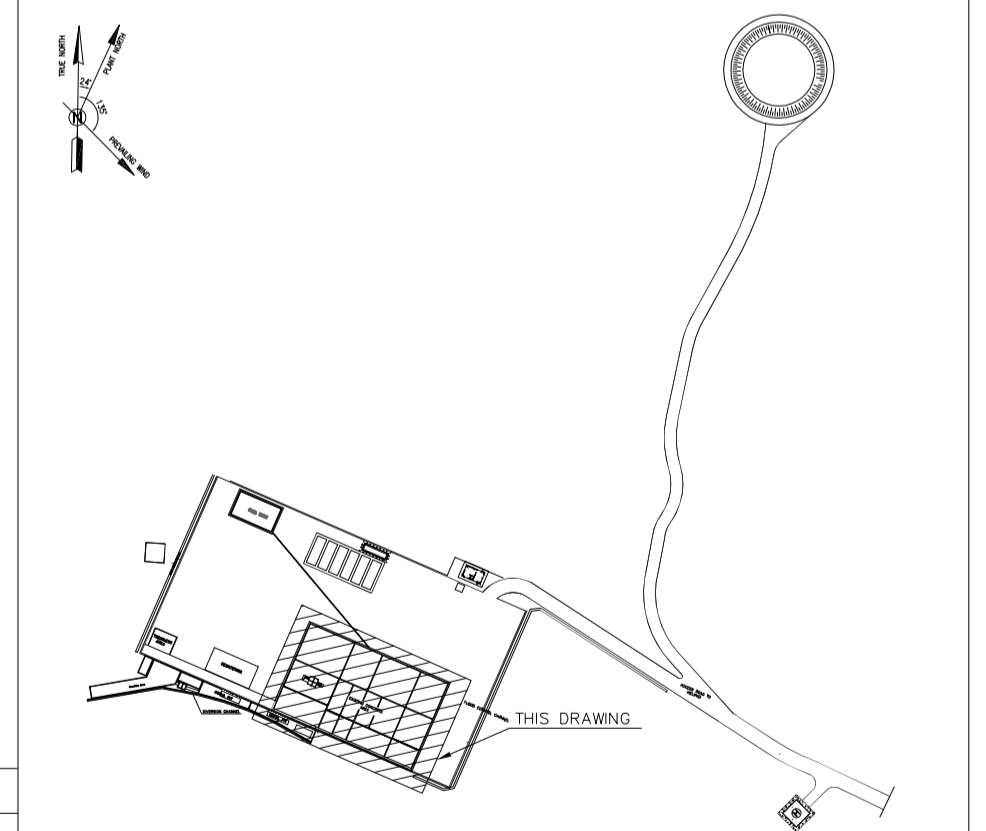
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LEGEND AND ABBREVIATION

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	T.O.C.	TOP OF CONCRETE	
	B.O.C.	BOTTOM OF CONCRETE	
	GRAVEL	T.O.PIT	TOP OF PIT
	SUB GRADE	B.O.P.	BOTTOM OF PIPE
	SLOPE	R.G.L.	ROUGH GRADING LEVEL
	T.O.Ch.	TOP OF CHANNEL	
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PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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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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.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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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 AND RIG FOUNDATION DETAILS & SECTIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

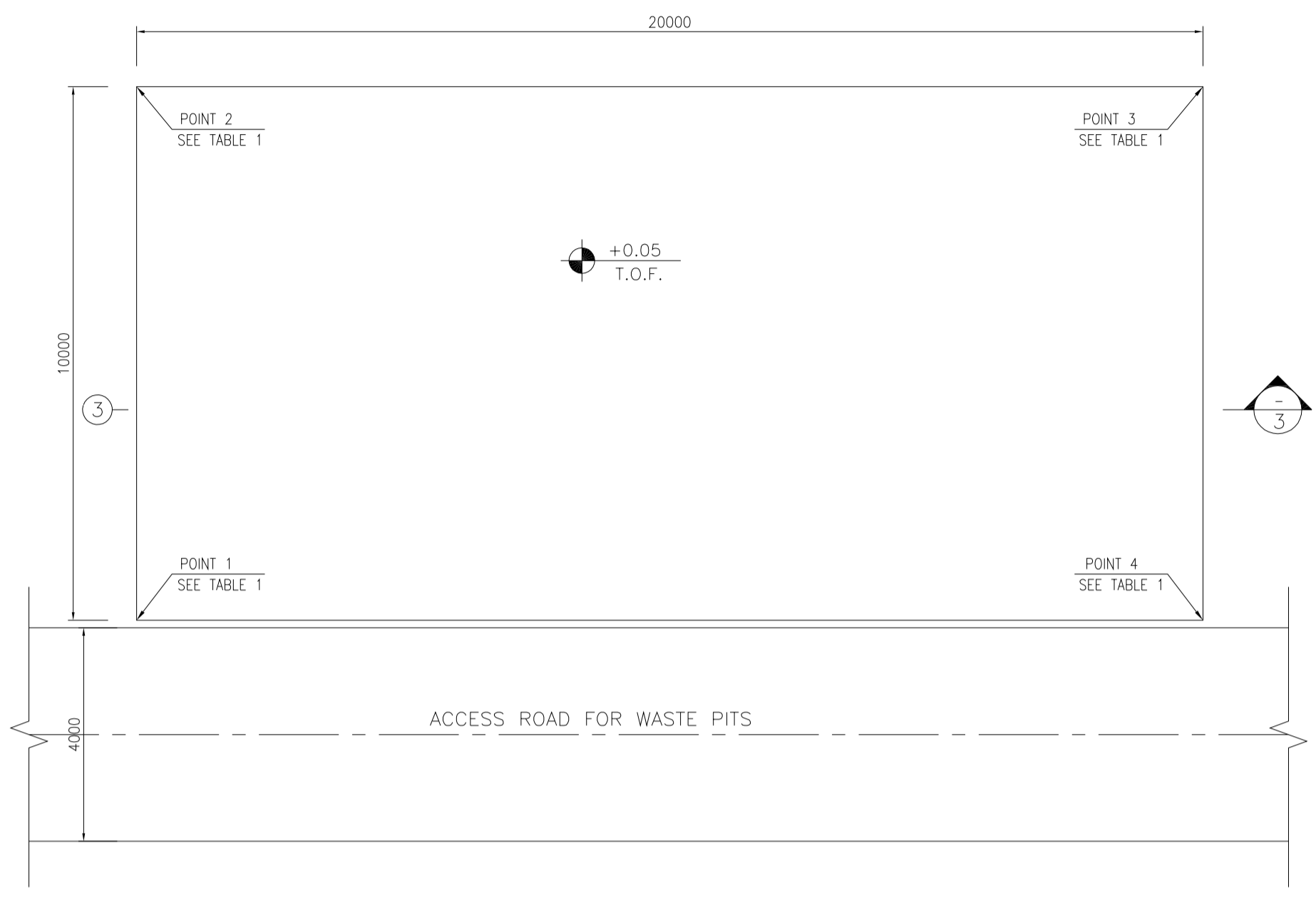
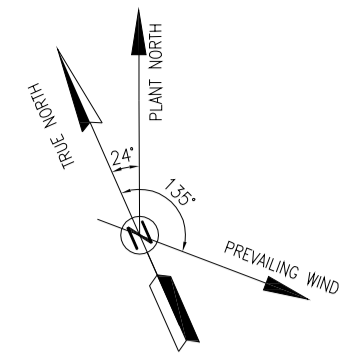
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	3 OF 99	D05	053-073-9184	F	4	S	708209	3	D05

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

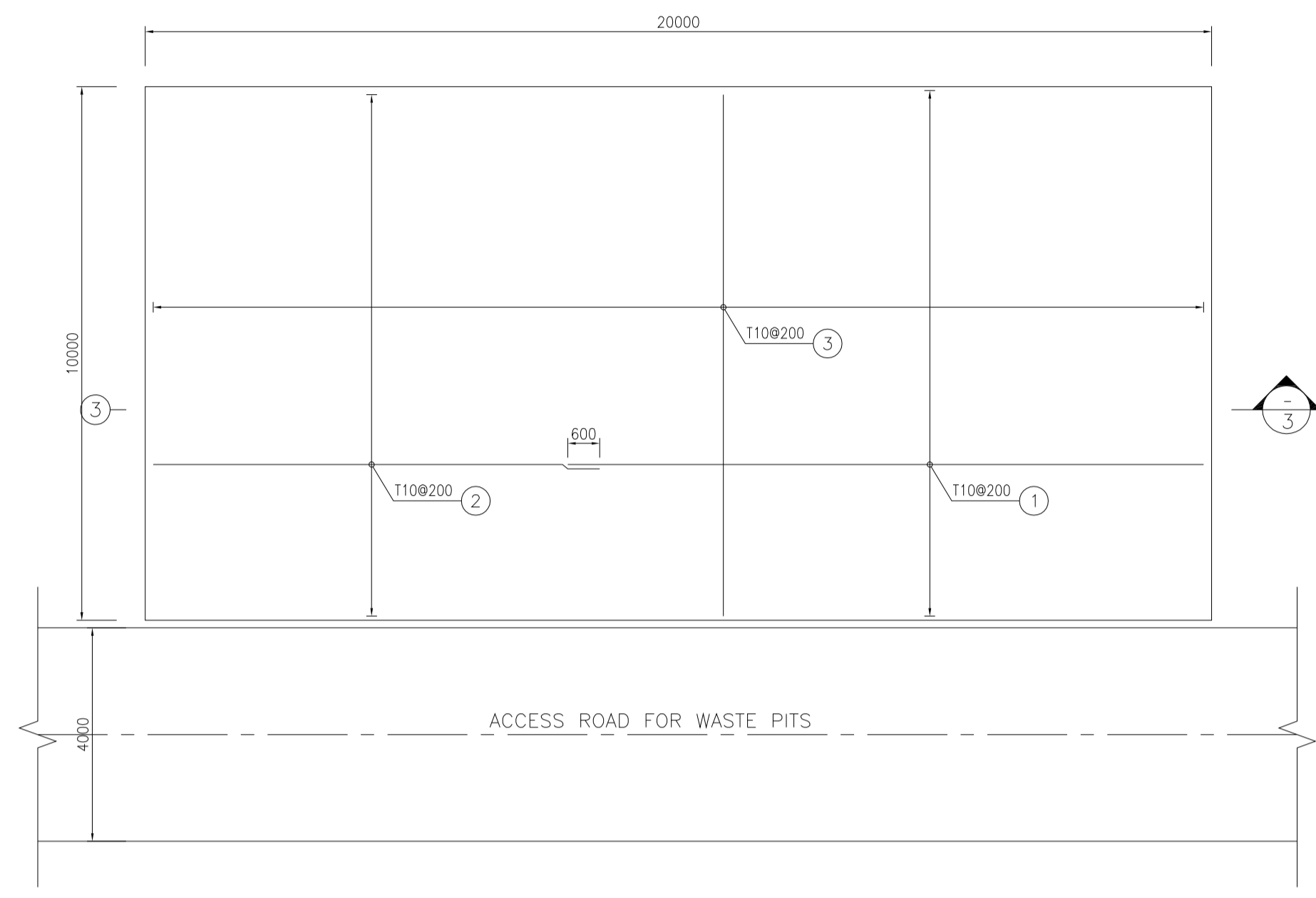
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

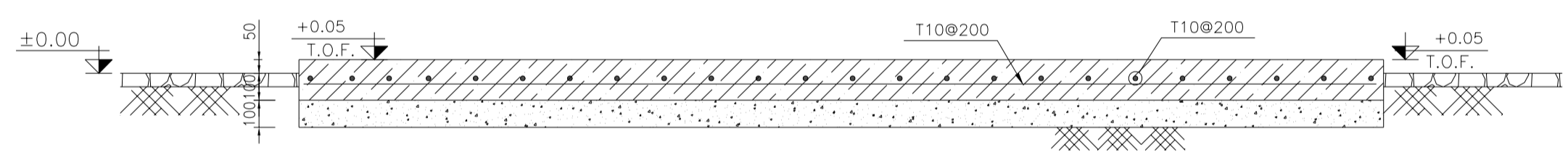
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.



1:100 (2) DEWATERING PLAN FORMWORK



1:100 (2) DEWATERING PLAN REINFORCEMENT



1:20 (3) REINFORCEMENT

Pos	Spec.	Shope	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.

TABLE 1
(CORNERS COORDINATES)

POINT	E	N
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

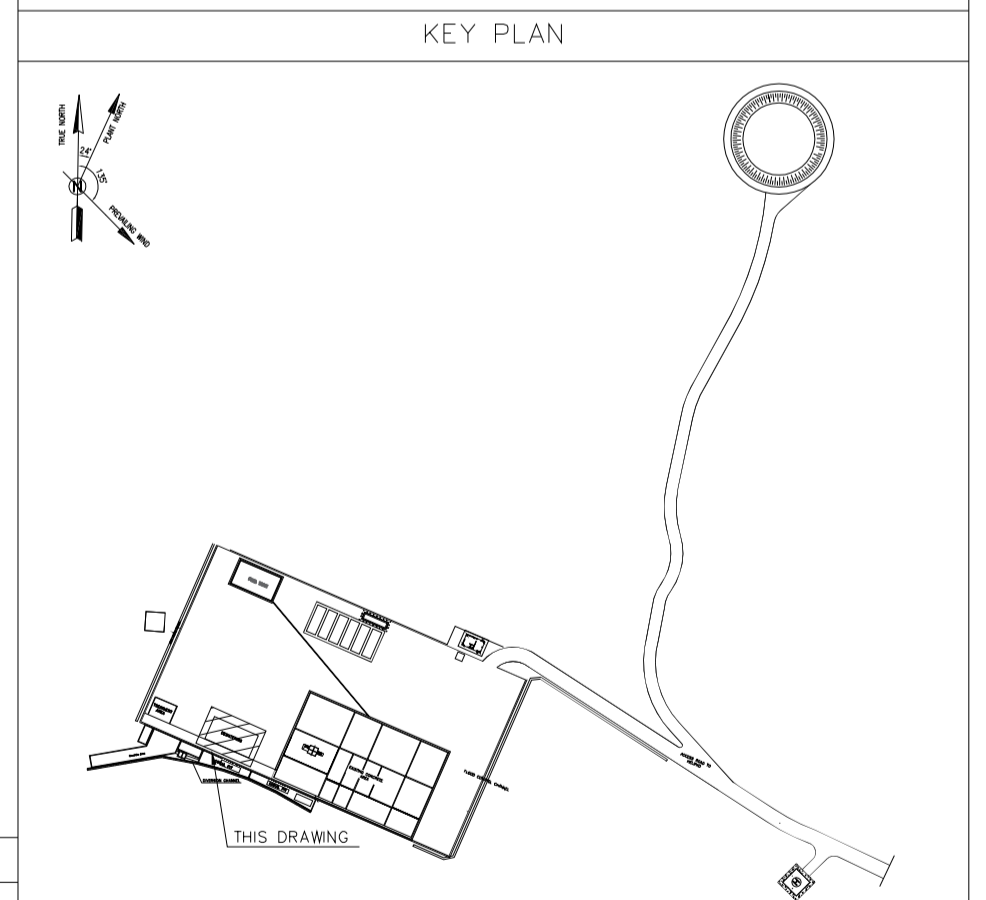
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STANDARD DETAILS OF MISCELLANEOUS ITEMS	BK-GNRL-PEDCO-000-CV-DW-0040
SPECIFICATION FOR EARTH WORK	BK-GNRL-PEDCO-000-CV-SP-0004
FOUNDATION DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0002
STRUCTURAL DRAWING FOR SECURITY BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0003
FOUNDATION DRAWING FOR 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



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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

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 99	D05	053-073-9184	F	4	S	708209	4	D05

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

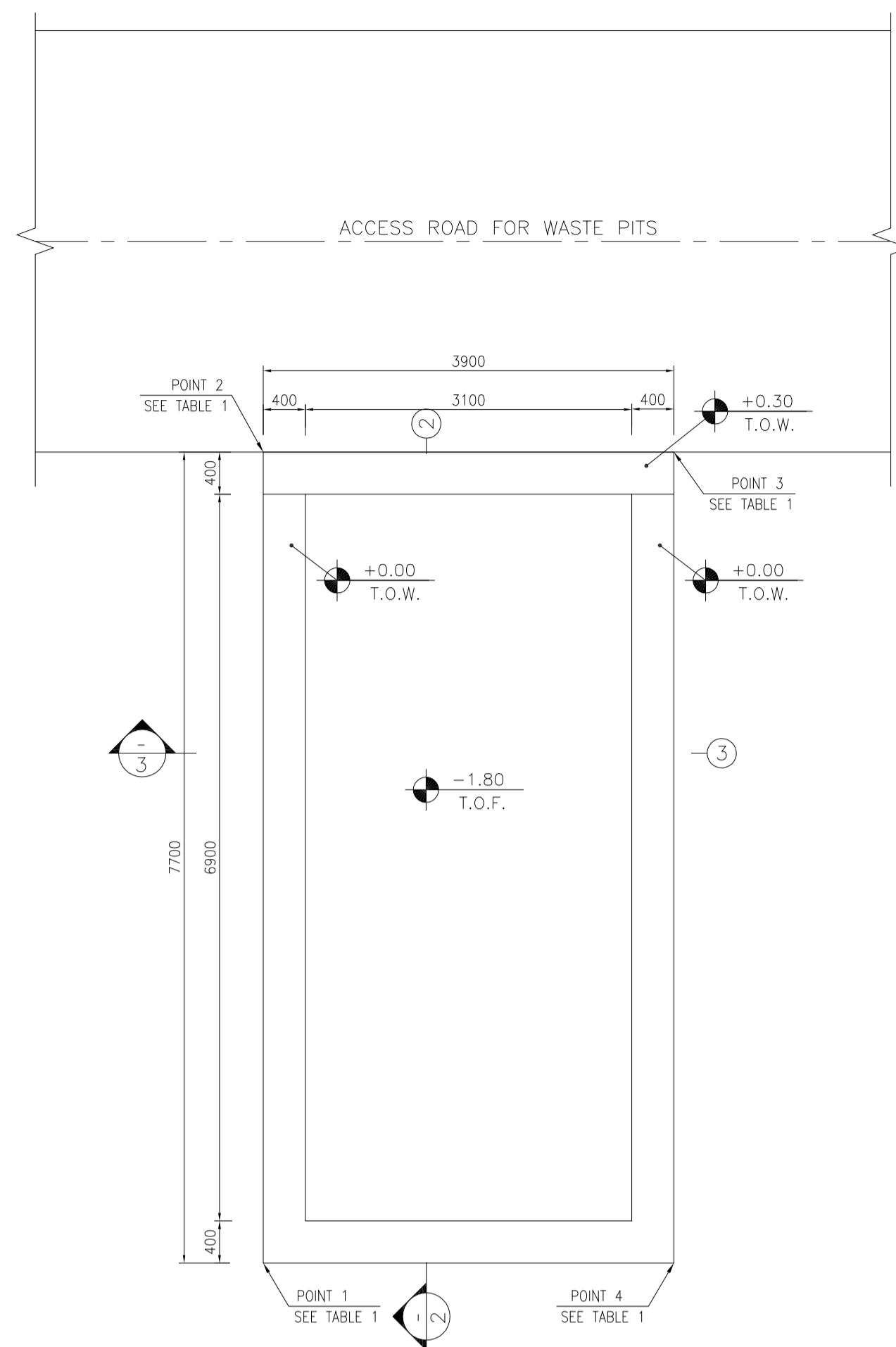
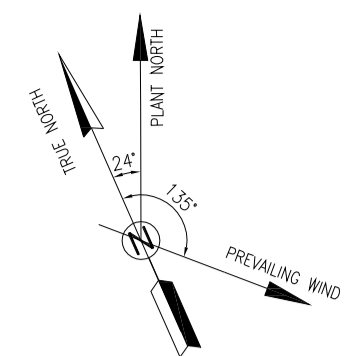
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

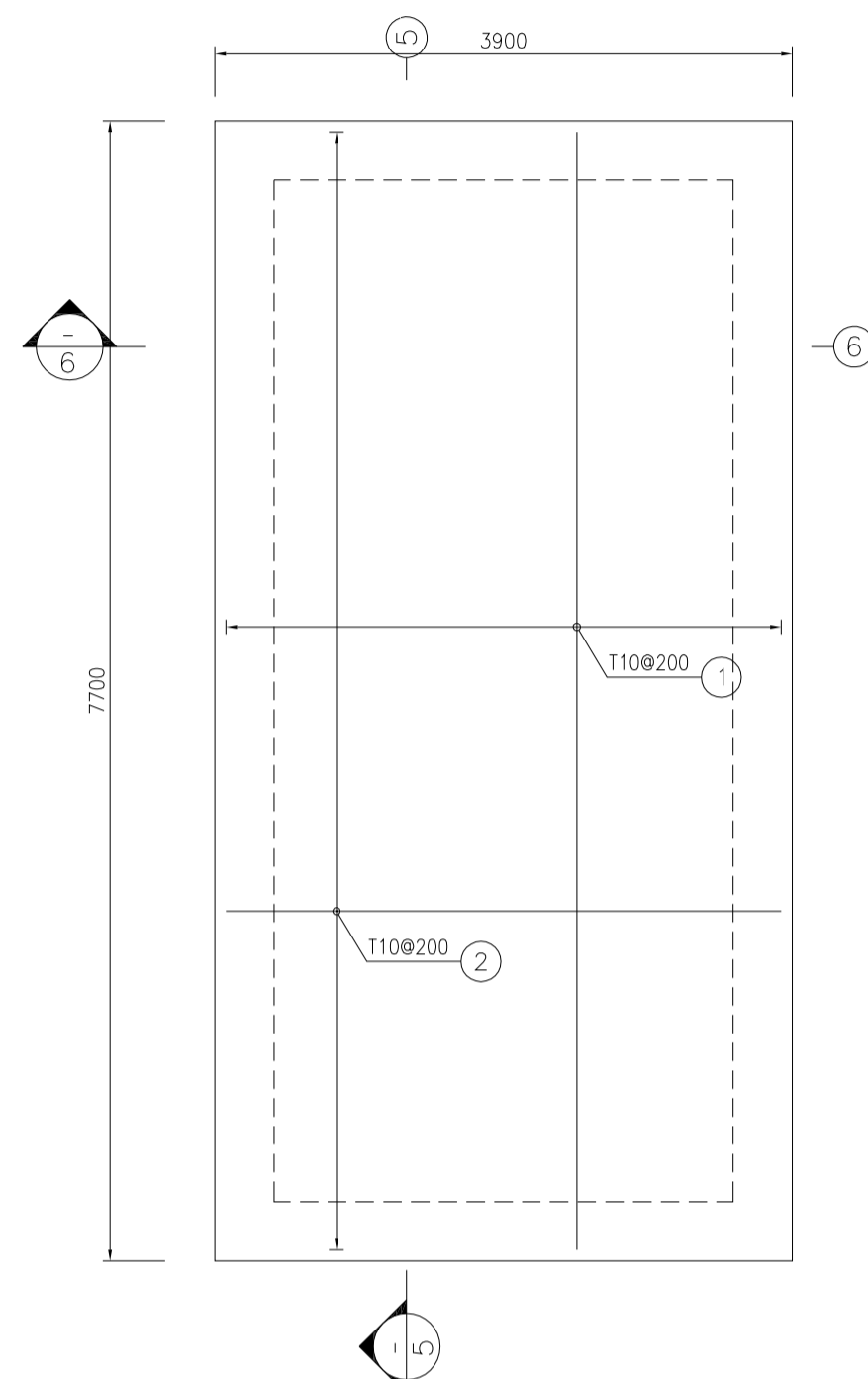
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:



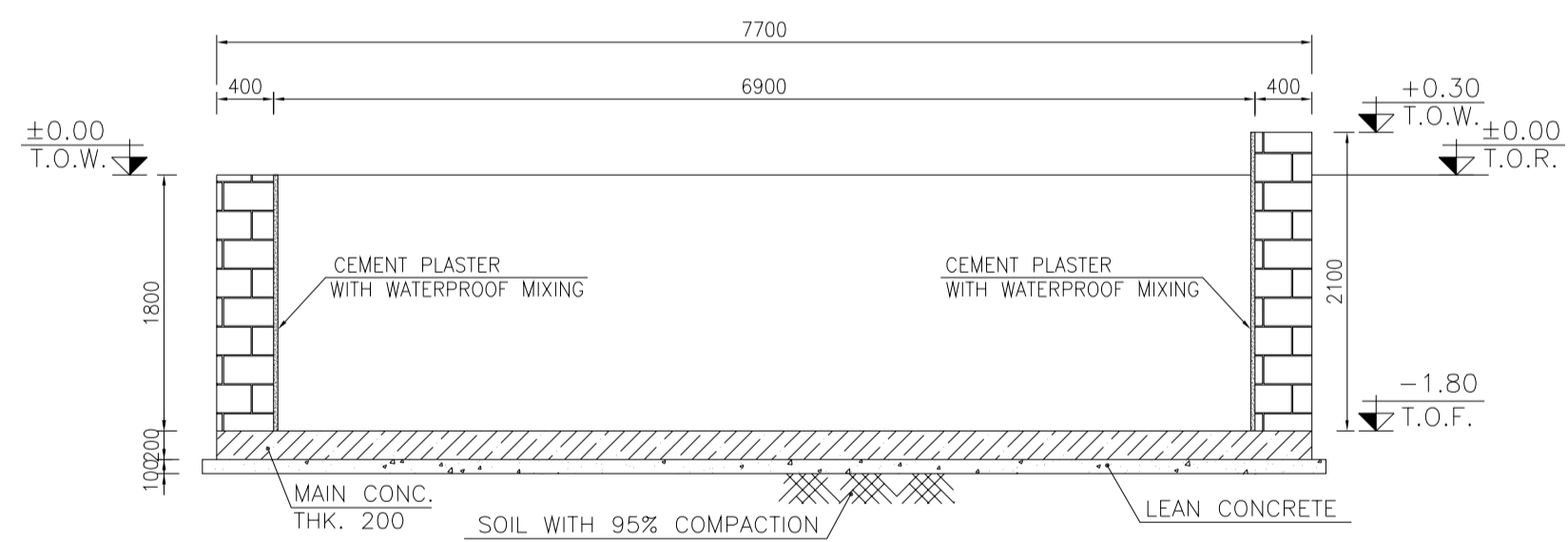
1:50 (1) CUTTING DISPOSAL PLAN



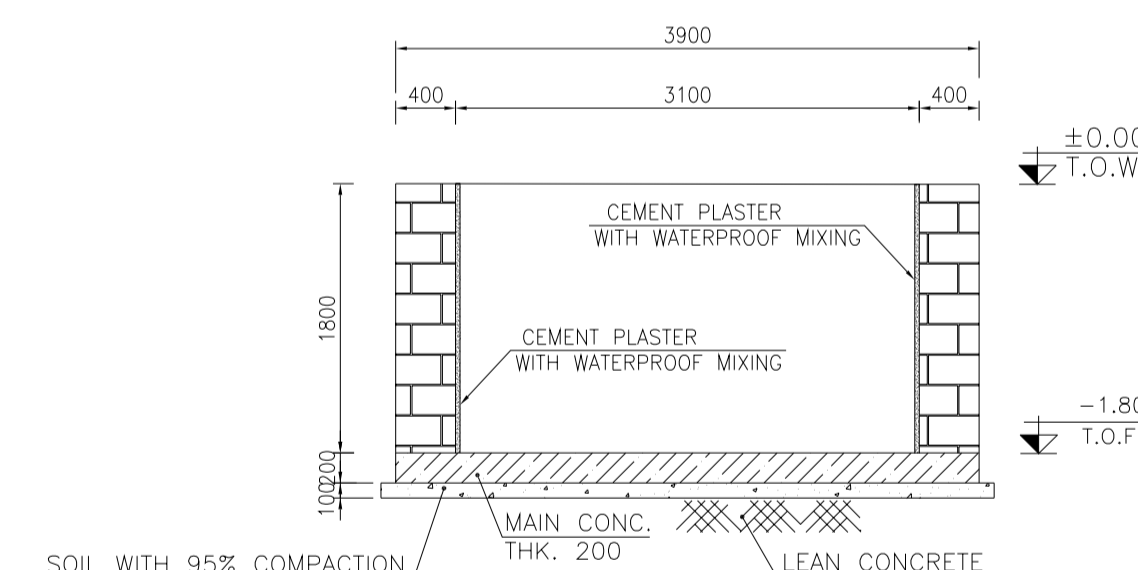
1:50 (4) CUTTING DISPOSAL PLAN REINFORCEMENT

TABLE 1 (CORNERS COORDINATES)		
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

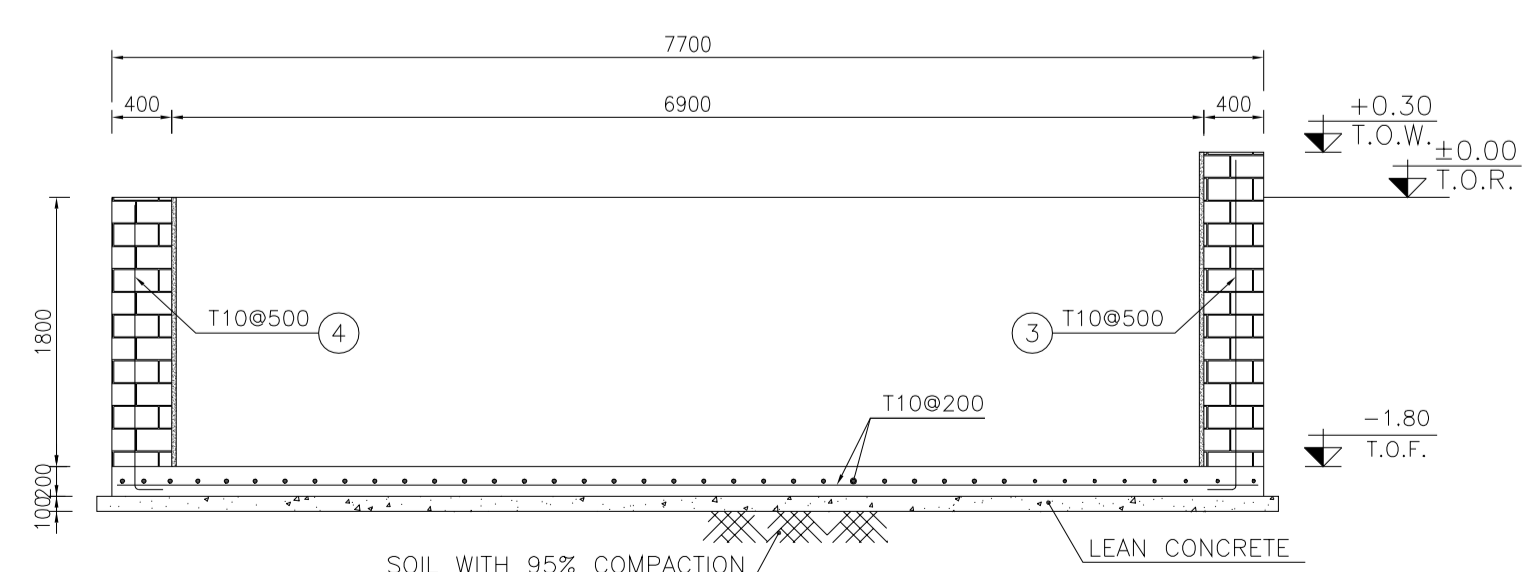
BAR BENDING SCHEDULE - CUTTING DISPOSAL					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	7550	7.550	20	151.00
2	T10	3750	3.750	39	146.25
3	T10	150 2150	2.30	9	20.70
4	T10	150 1850	2.00	39	78.00
TOTAL LENGTH OR AREA (m)					395.95
UNIT WEIGHT (Kg/m)					0.617
WEIGHT (Kg)					244.21
GRAND TOTAL (Kg)					250



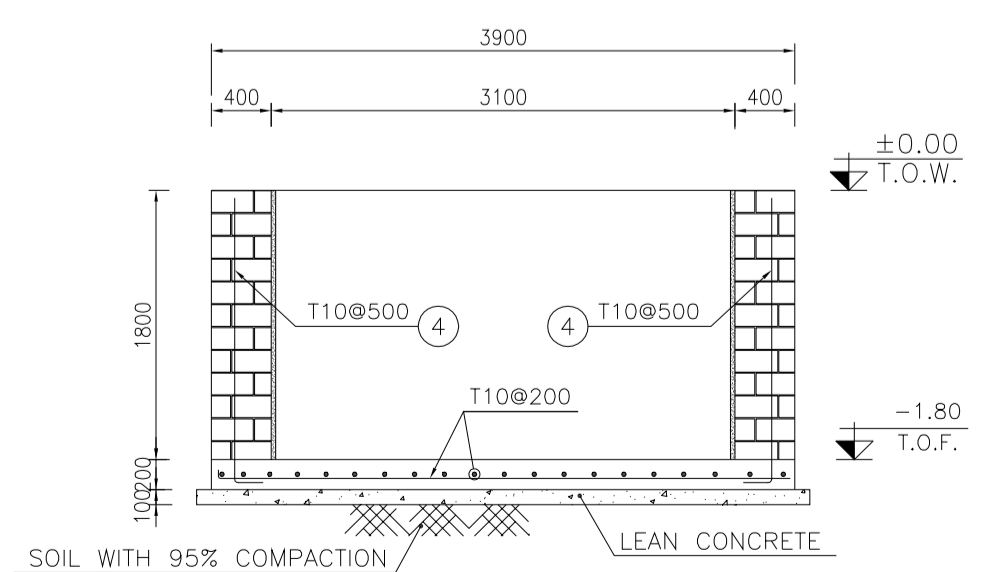
1:50 (2) FORMWORK



1:50 (3) FORMWORK



1:50 (5) REINFORCEMENT



1:50 (6) 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)
- 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 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.

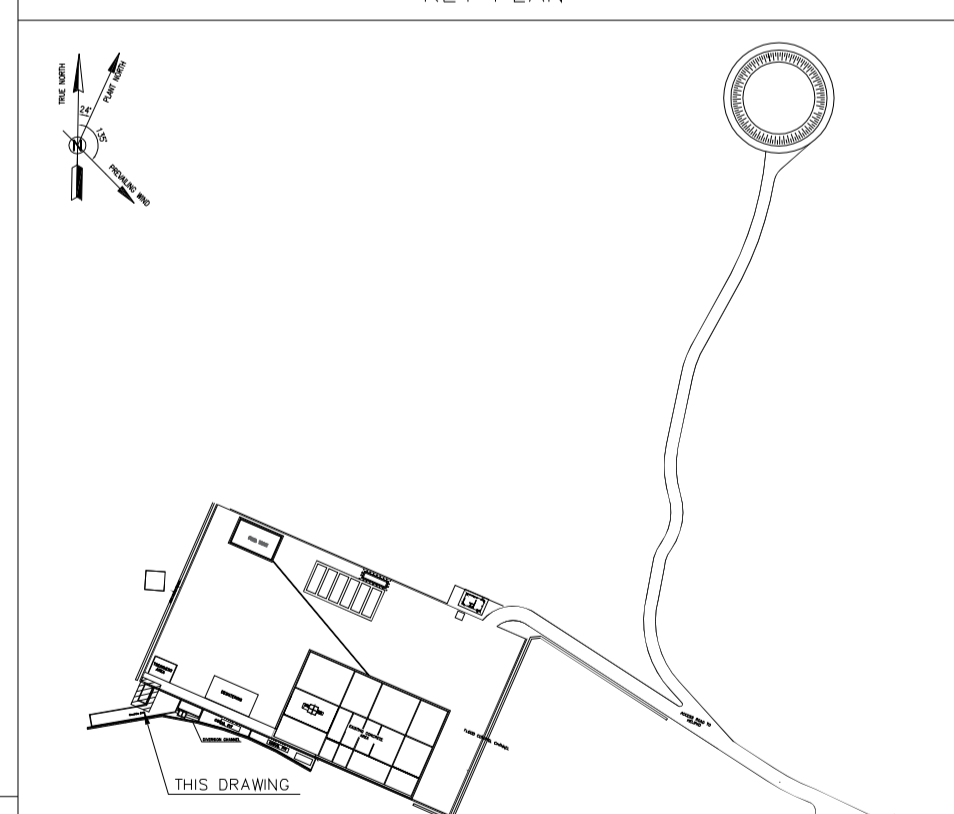
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	T.O.W.	TOP OF WALL
	CEMENT BLOCK WALL	T.O.C.	TOP OF CONCRETE
	GRAVEL	B.O.C.	BOTTOM OF CONCRETE
	SUB GRADE	T.O.PIT	TOP OF PIT
	SLOPE	B.O.P.	BOTTOM OF PIPE
	GRAVEL	R.G.L.	ROUGH GRADING LEVEL
		T.O.CH.	TOP OF CHANNEL
		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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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-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

KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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

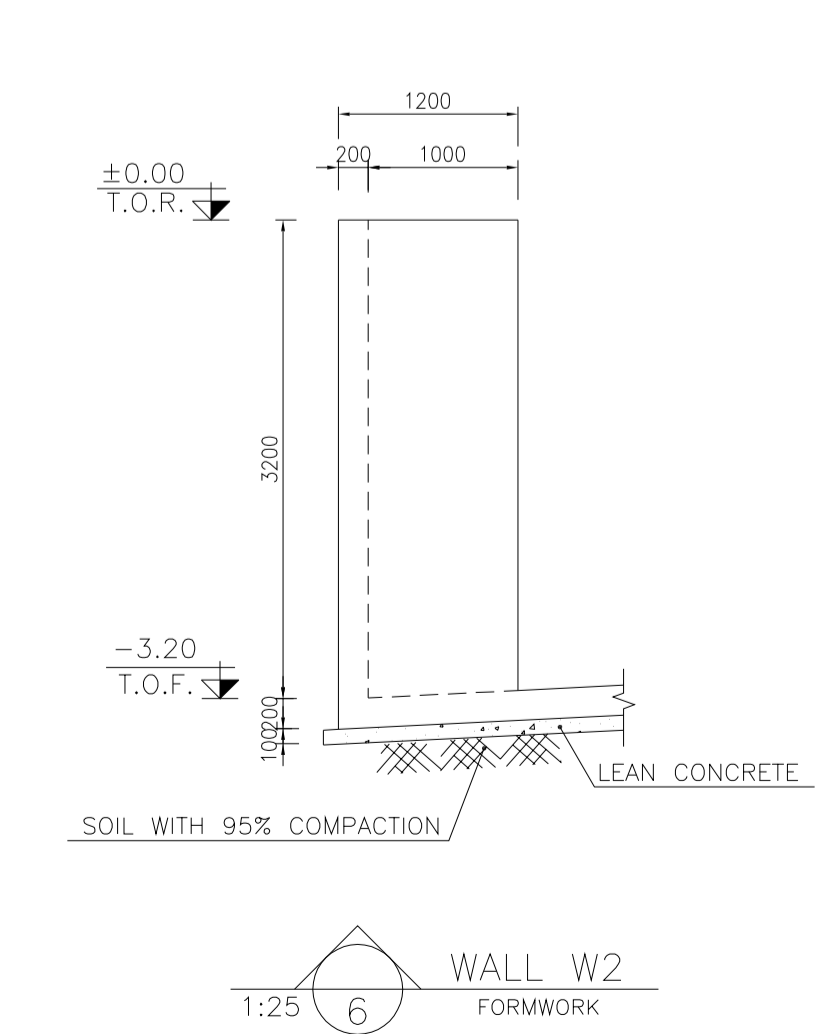
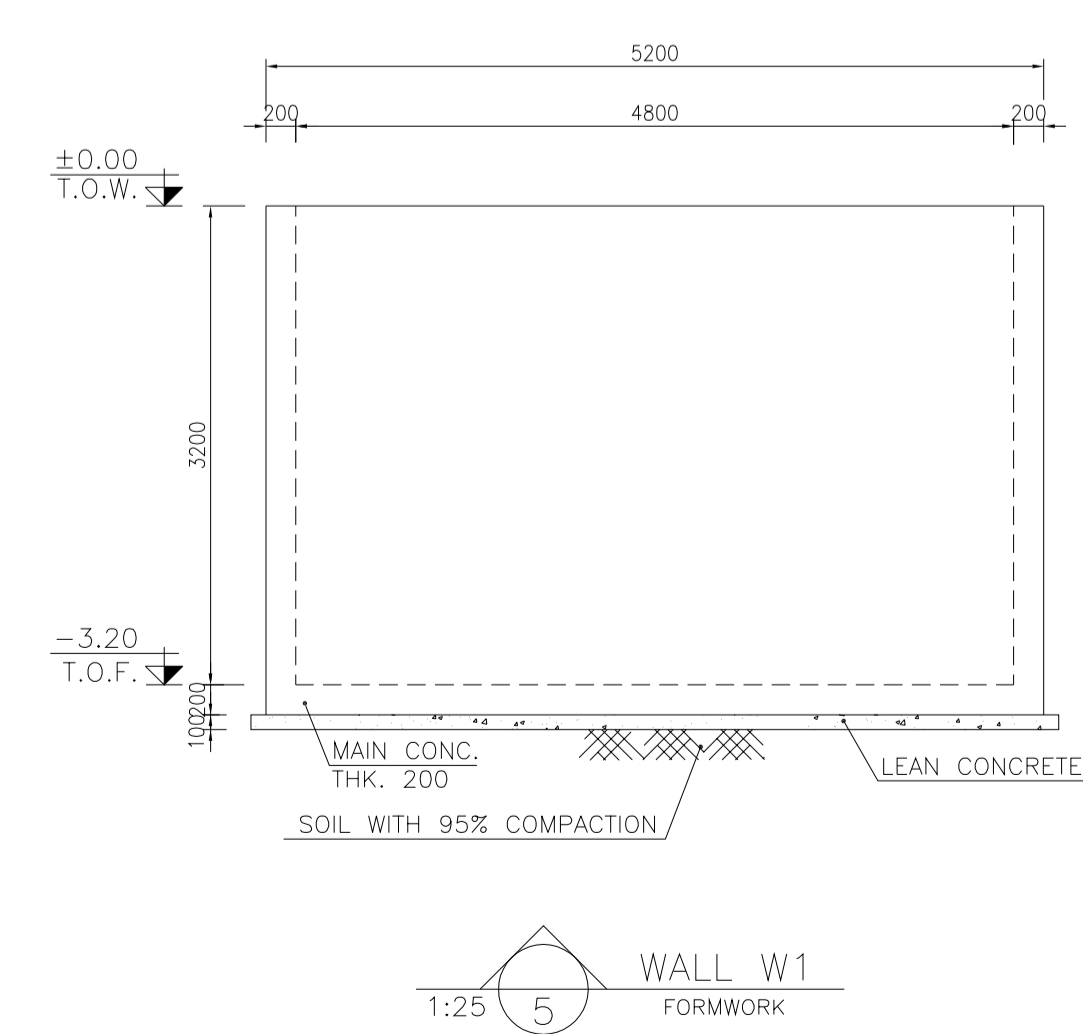
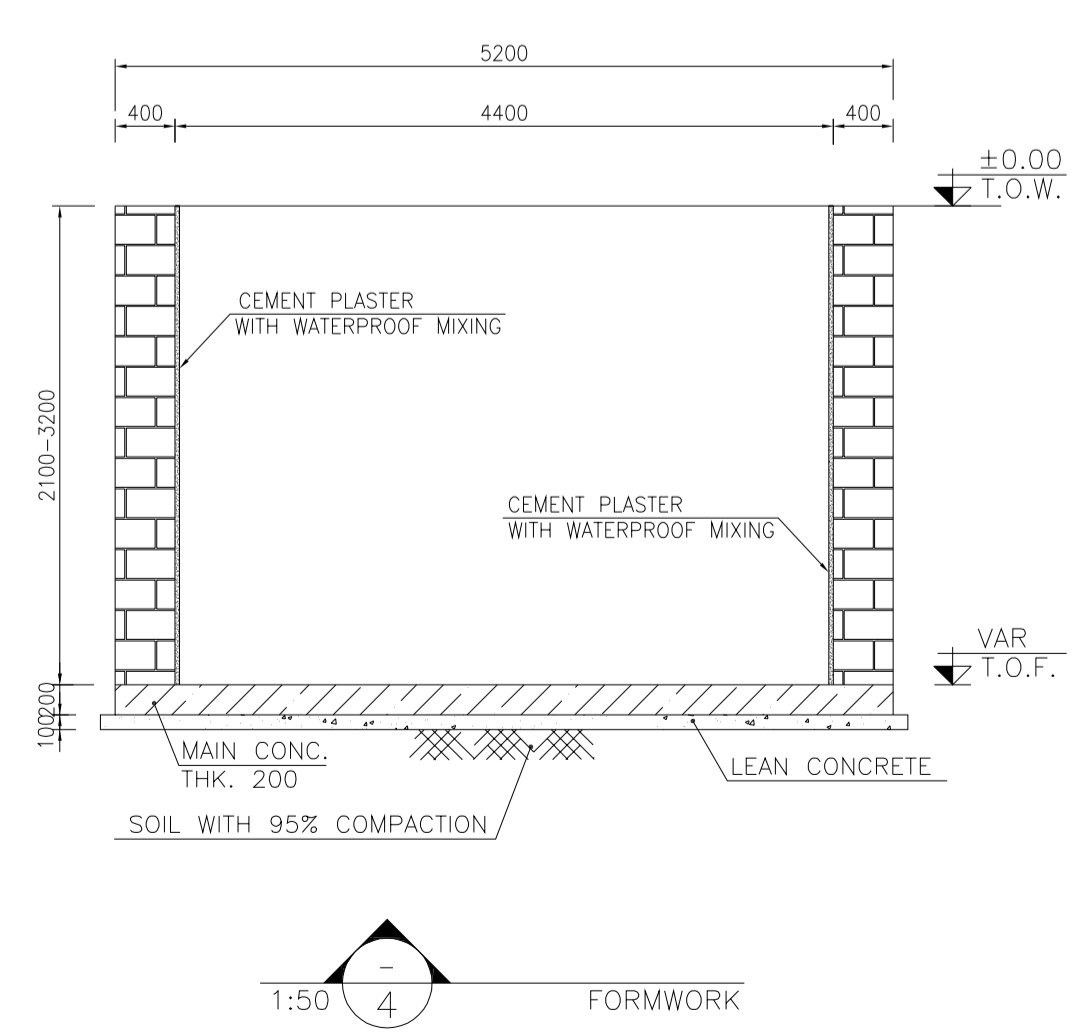
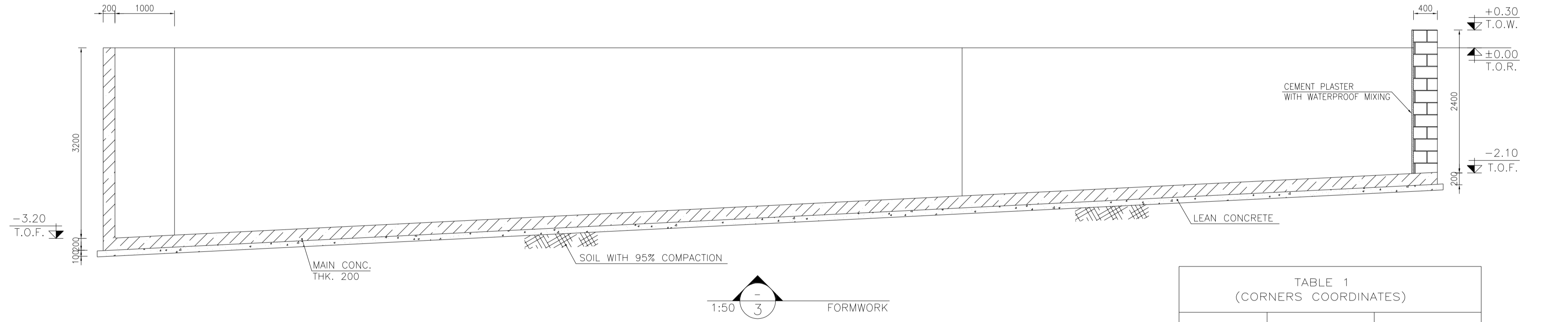
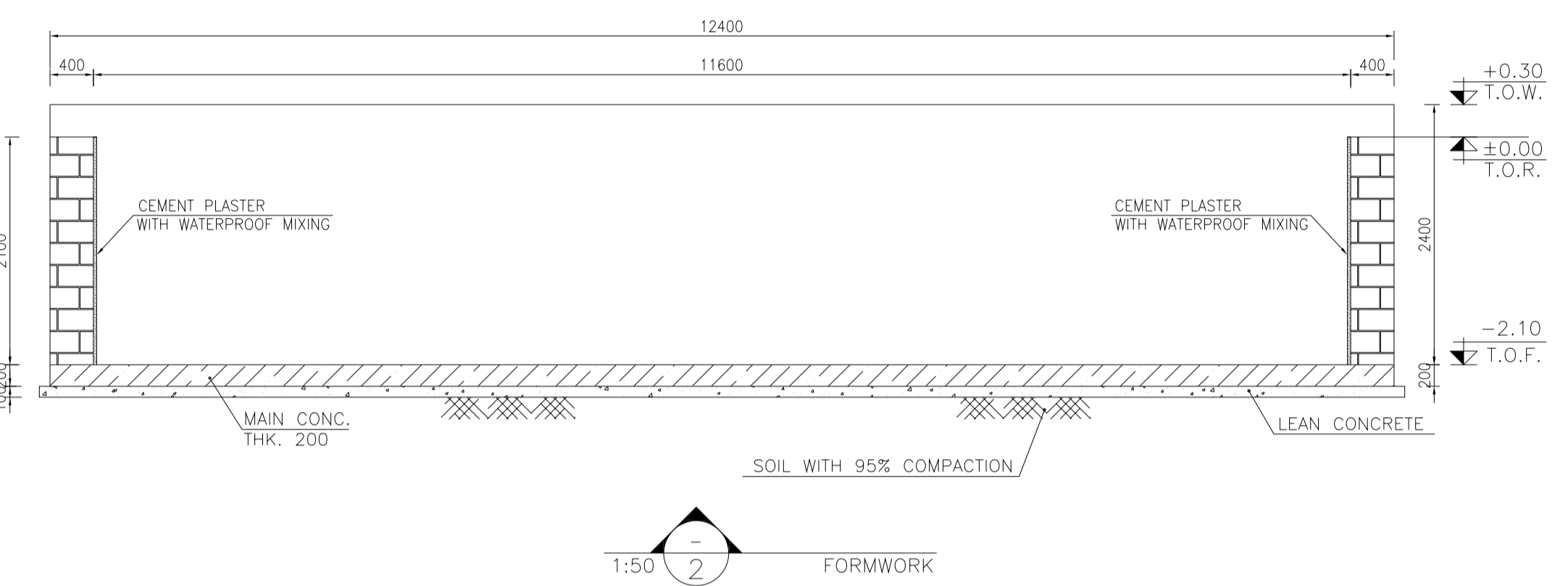
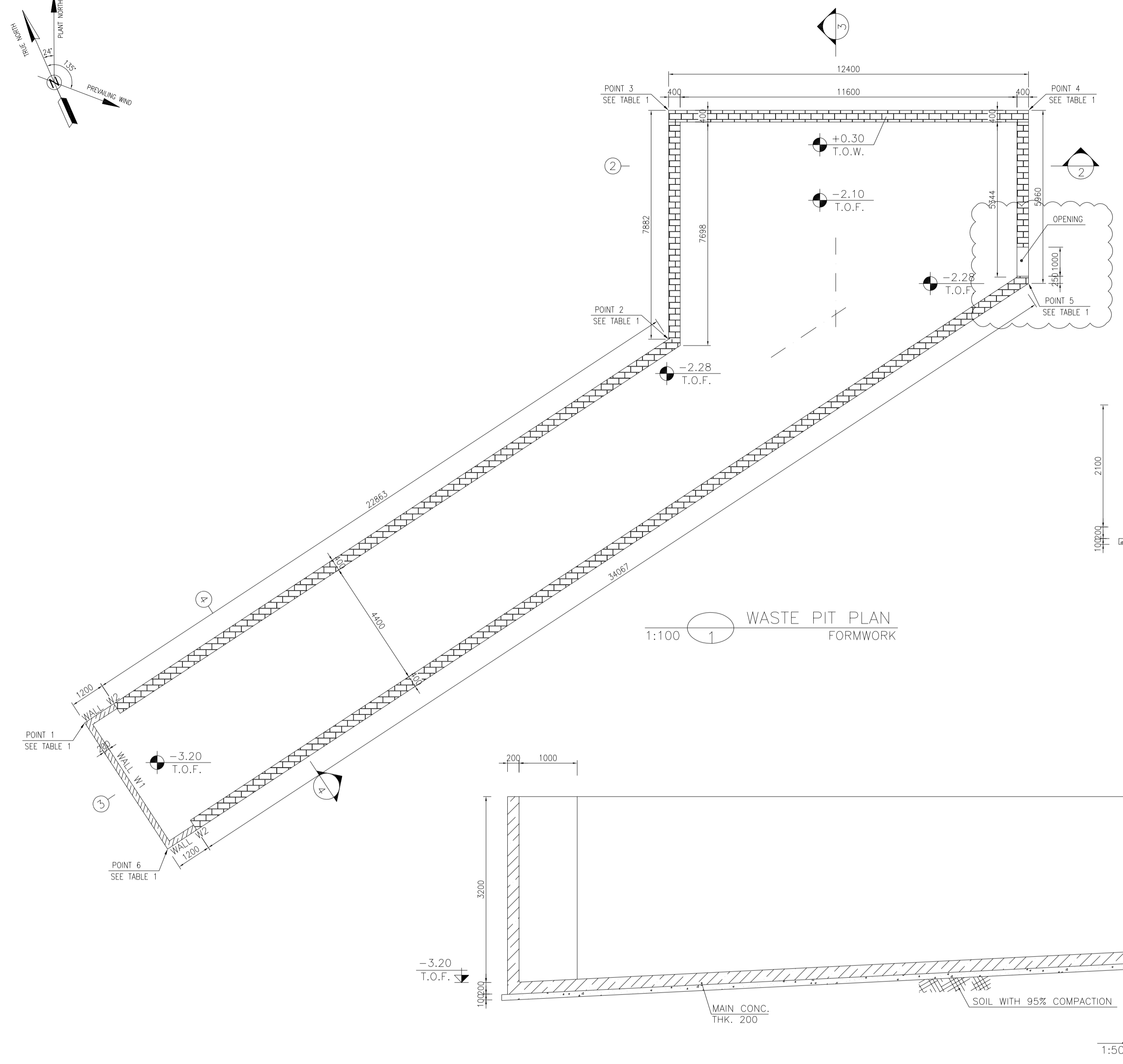
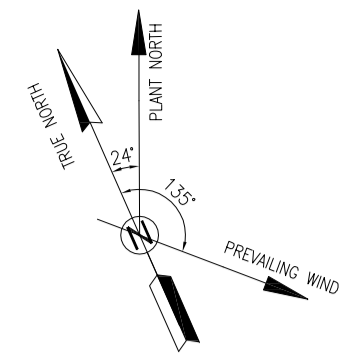
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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	5 OF 99	D05	053-073-9184	F	4	S	708209	5	D05

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

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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.



NOTES

- 1- ALL COORDINATES ARE IN METER.
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- 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
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- 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.

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	T.O.W.	TOP OF WALL
	CEMENT BLOCK WALL	T.O.C.	TOP OF CONCRETE
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	SUB GRADE	T.O.PIT	TOP OF PIT
	SLOPE	B.O.P.	BOTTOM OF PIPE
	GRAVEL	R.G.L.	ROUGH GRADING LEVEL
	GRAVEL	T.O.CH.	TOP OF CHANNEL
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REFERENCE DRAWING	DRG. No.
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PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-PY-0001
ROUGH GRADING PLANS - BK14	BK-BK14-PEDCO-110-CV-DW-0003
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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 SWICHEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWICHEAR 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

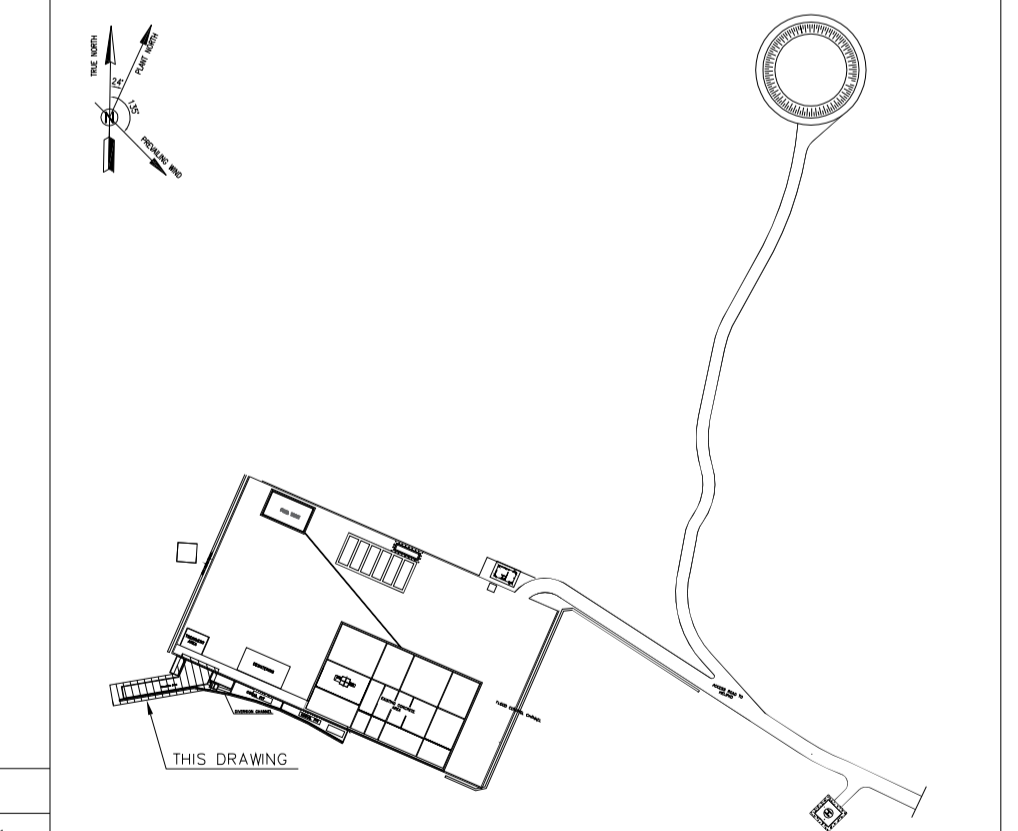


TABLE 1 (CORNERS COORDINATES)

POINT	E	N
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

REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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

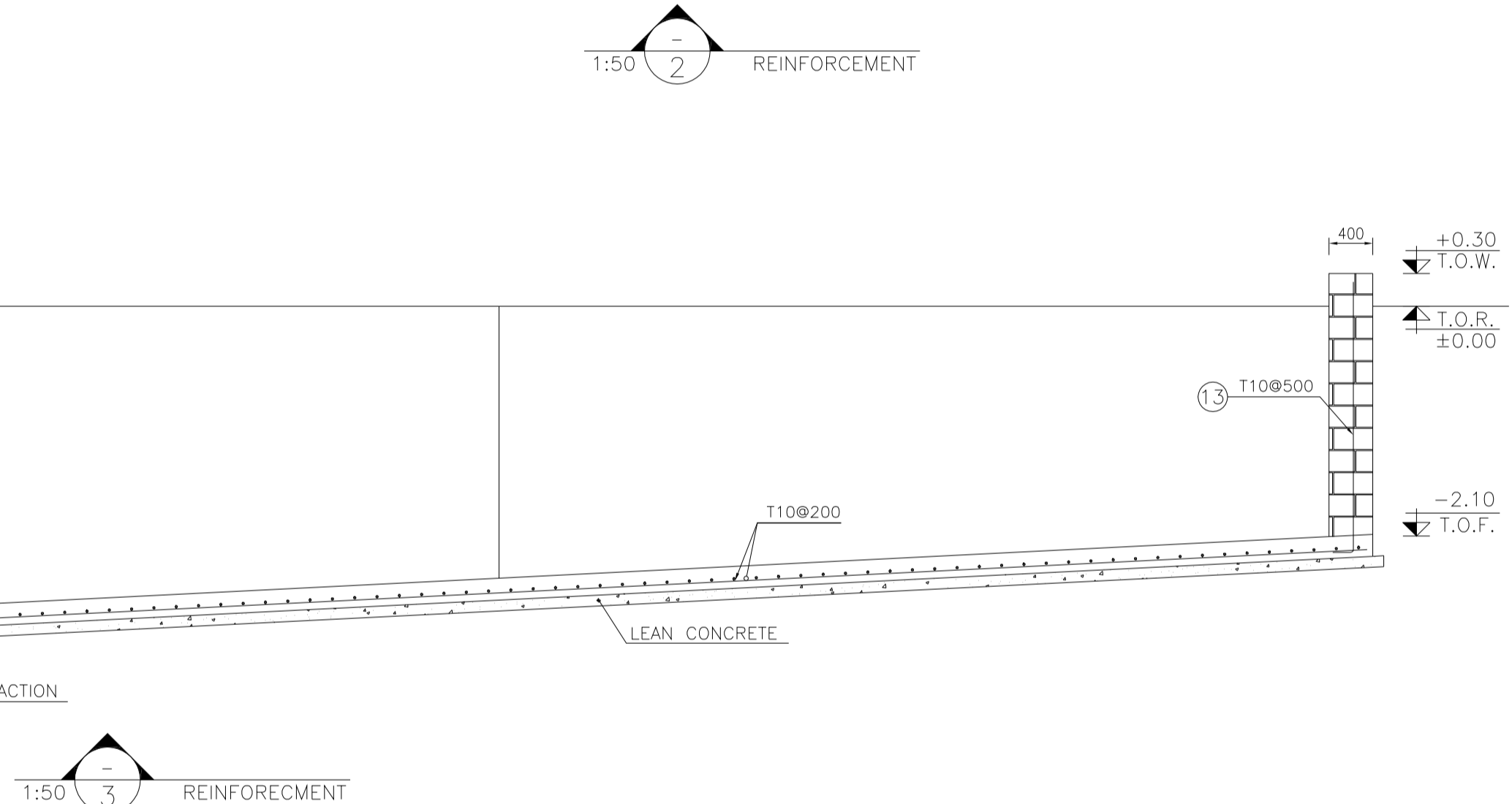
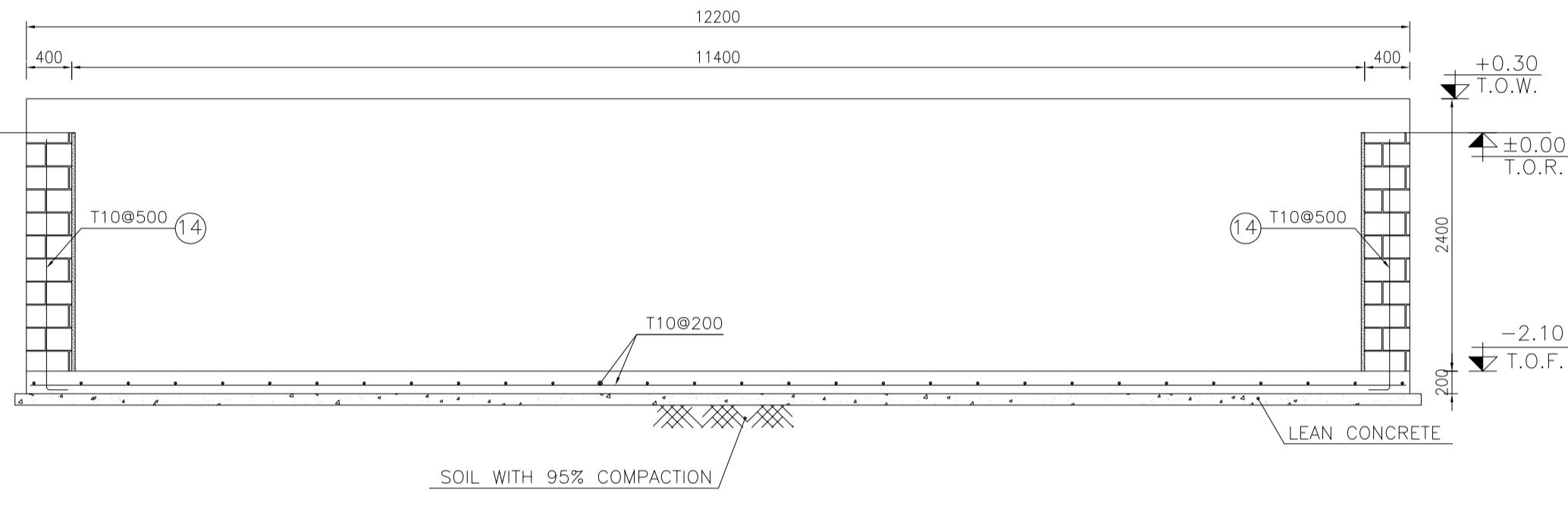
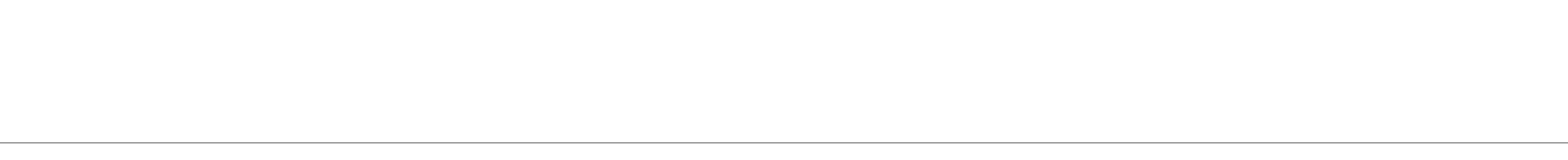
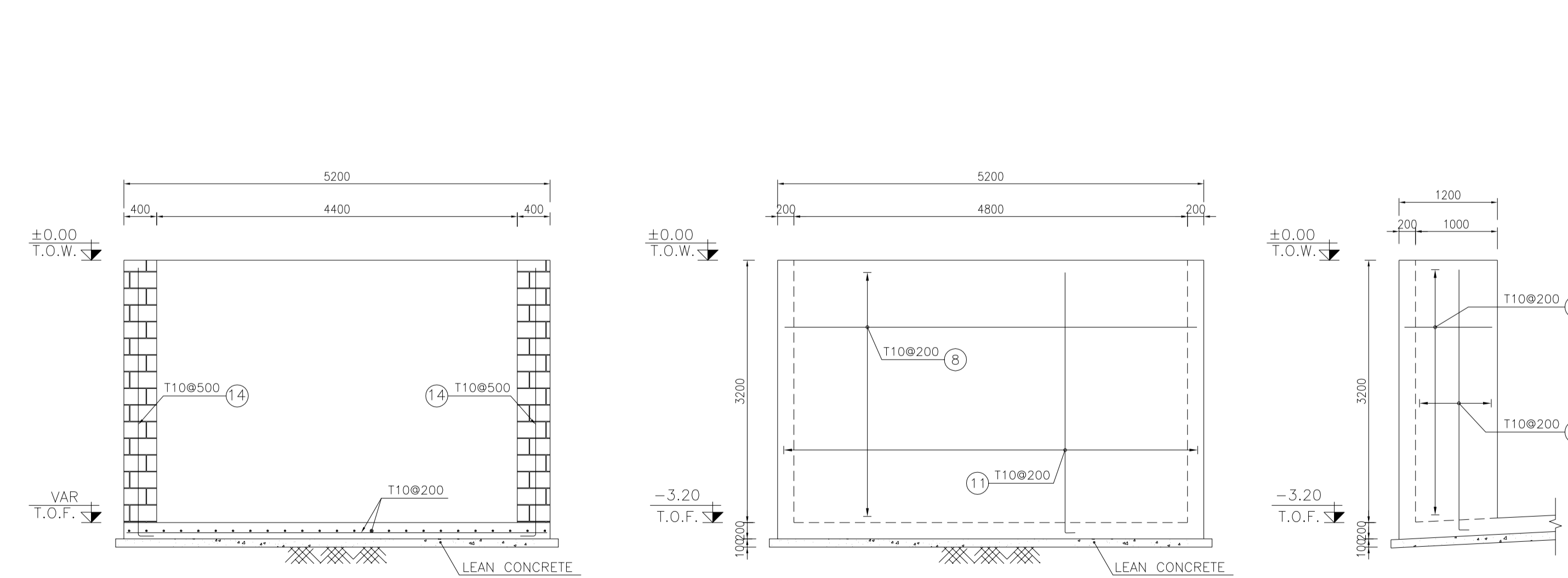
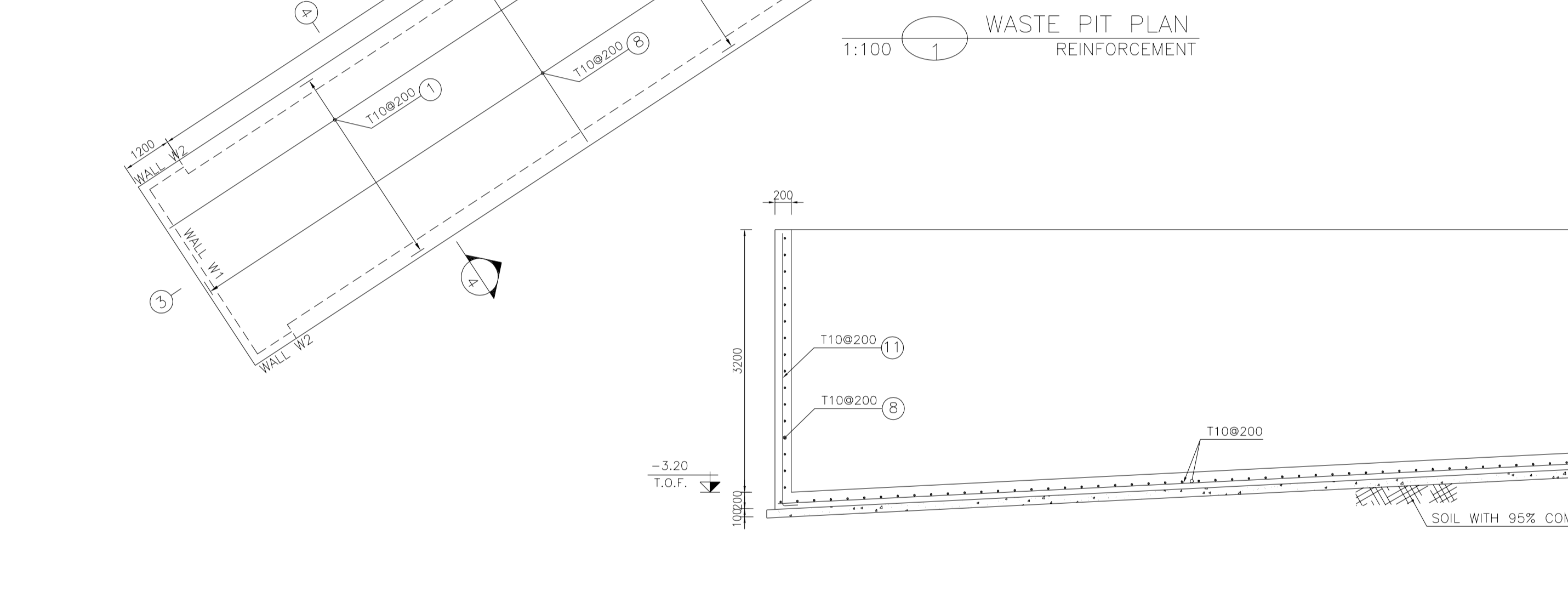
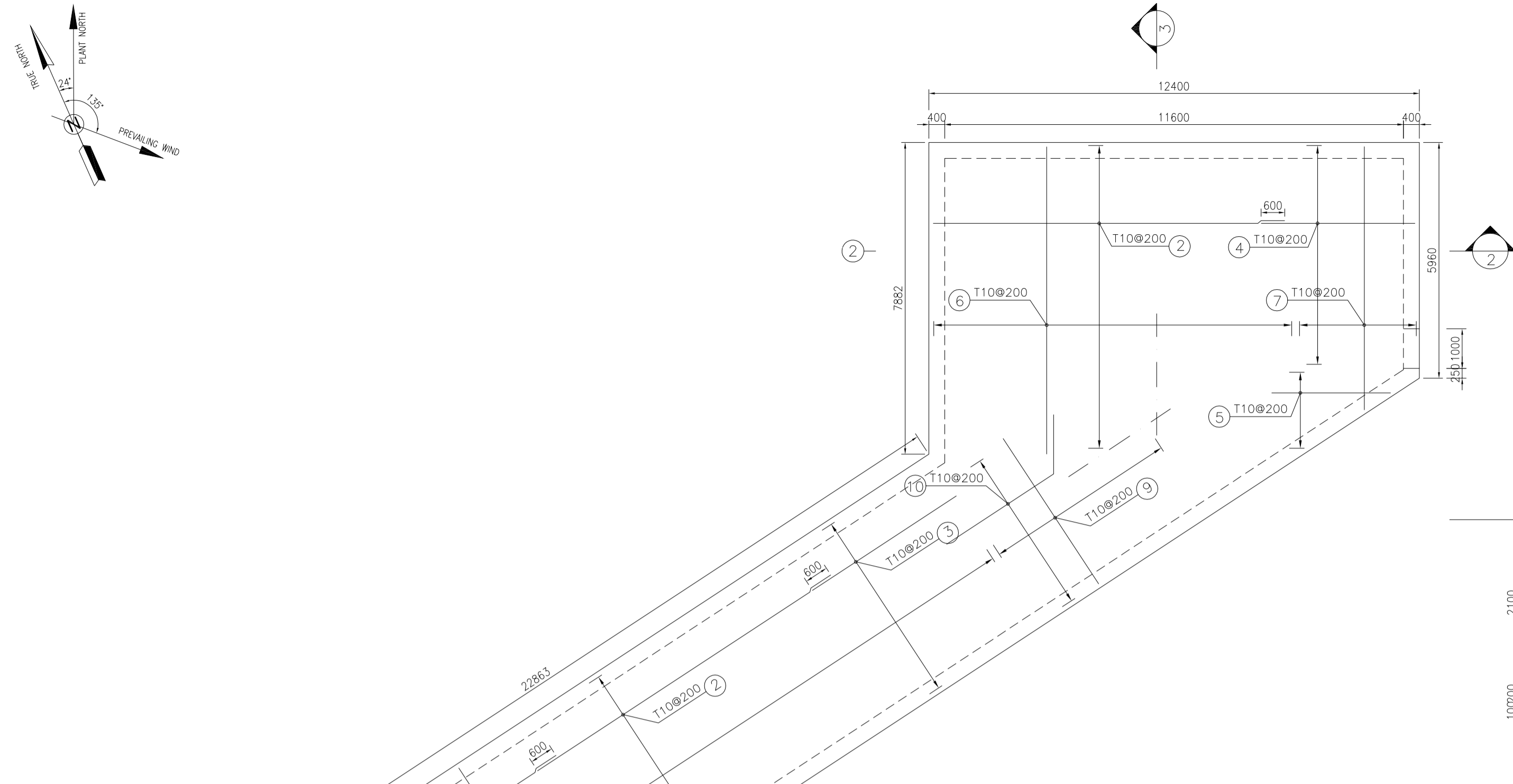
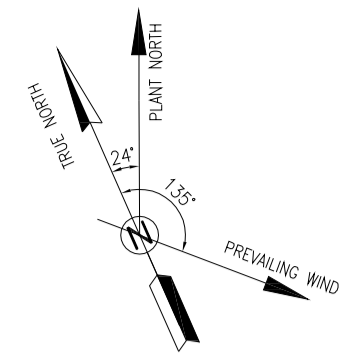
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 WASTE PIT PLAN-SECTION

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	6 OF 99	D05	053-073-9184	F	4	S	708209	6	D05

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION: BY: DATE:

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BAR BENDING SCHEDULE - WASTE PIT					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	12000	12.00	27	324.0
2	T10	9000	9.00	67	603.0
3	T10	4000	4.00	27	108.0
4	T10	3850	3.85	30	115.50
5	T10	1300-3700	Var	10	25.0
6	T10	8000	8.00	46	368.0
7	T10	5800-8000	Var	15	103.5
8	T10	5050	5.05	137	691.85
9	T10	2000-5000	Var	25	87.50
10	T10	1500 800-7800	Var	48	278.4
11	T10	150f 3250	3.50	38	133.0
12	T10	1050	1.05	34	35.70
13	T10	150f 2150	2.40	25	60.0
14	T10	150f 2150-3250	Var	160	456.0
TOTAL LENGTH OR AREA (m)					3389.45
UNIT WEIGHT (Kg/m)					0.617
WEIGHT (Kg)					2091.30
GRAND TOTAL (Kg)					2100

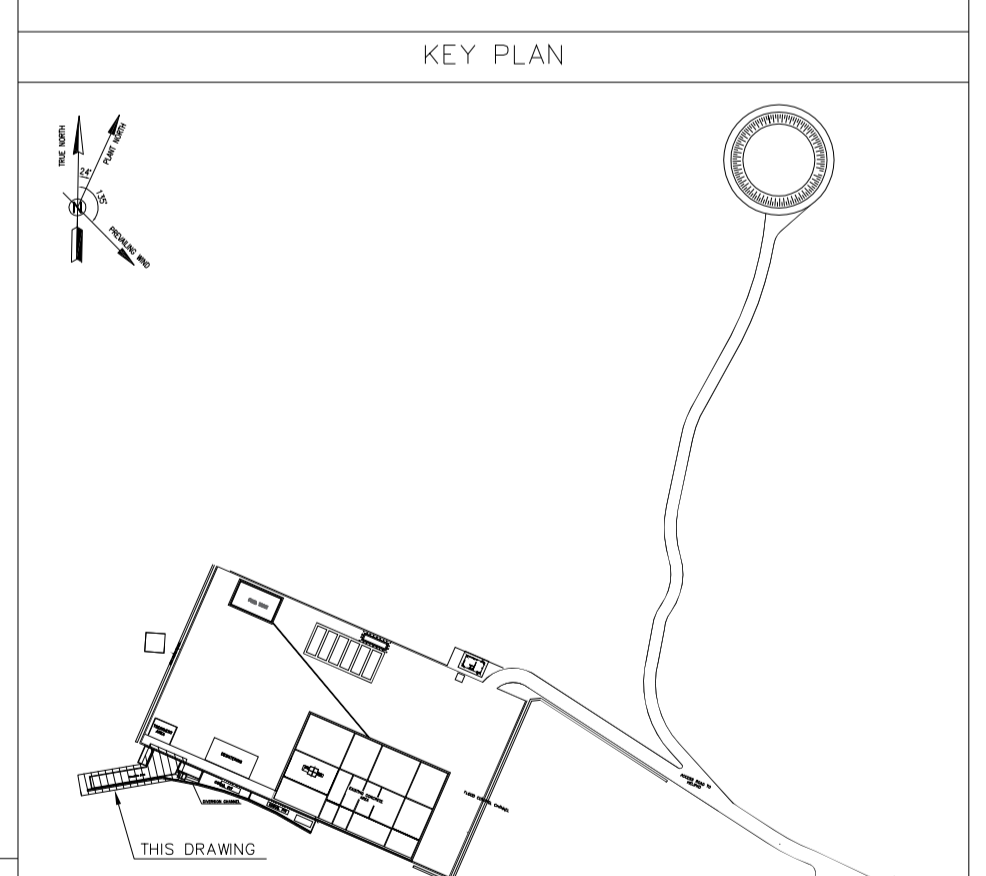
- NOTES
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS 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	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	T.O.W.	TOP OF WALL
	CEMENT BLOCK WALL	T.O.C.	TOP OF CONCRETE
	GRAVEL	B.O.C	BOTTOM OF CONCRETE
	SUB GRADE	T.O.PIT	TOP OF PIT
	SLOPE	B.O.P.	BOTTOM OF PIPE
	GRAVEL	R.G.L.	ROUGH GRADING LEVEL
	GRAVEL	T.O.CH.	TOP OF CHANNEL
	GRAVEL	T.O.R.	TOP OF ROAD

REFERENCE DRAWING

SPECIFICATION FOR FENCE & GATE	DRG. No.
STANDARD DRAWING 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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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 SWICHEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWICHEAR 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.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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 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	7 OF 99	D05	053-073-9184	F	4	S	708209	7	D05

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

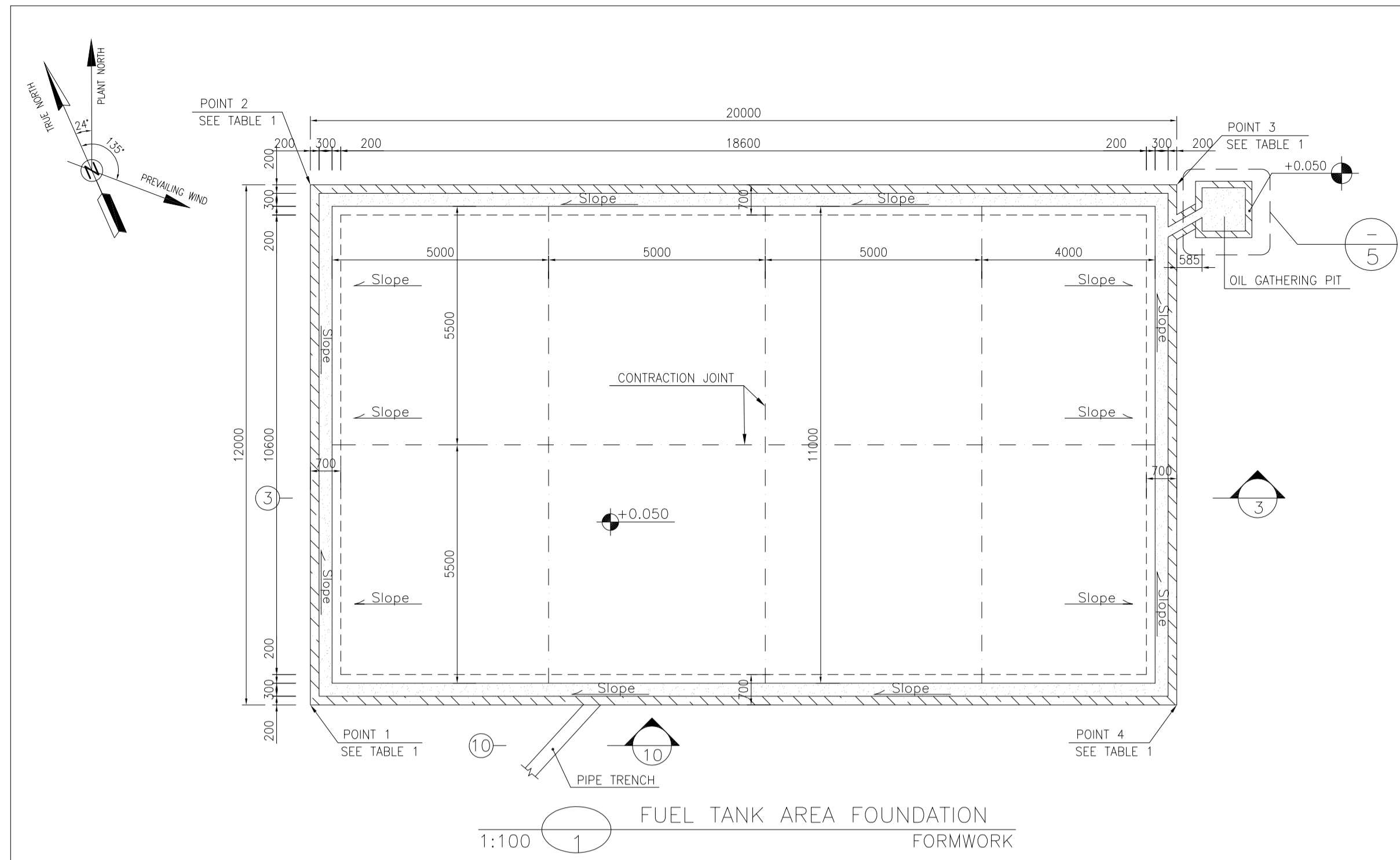
THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

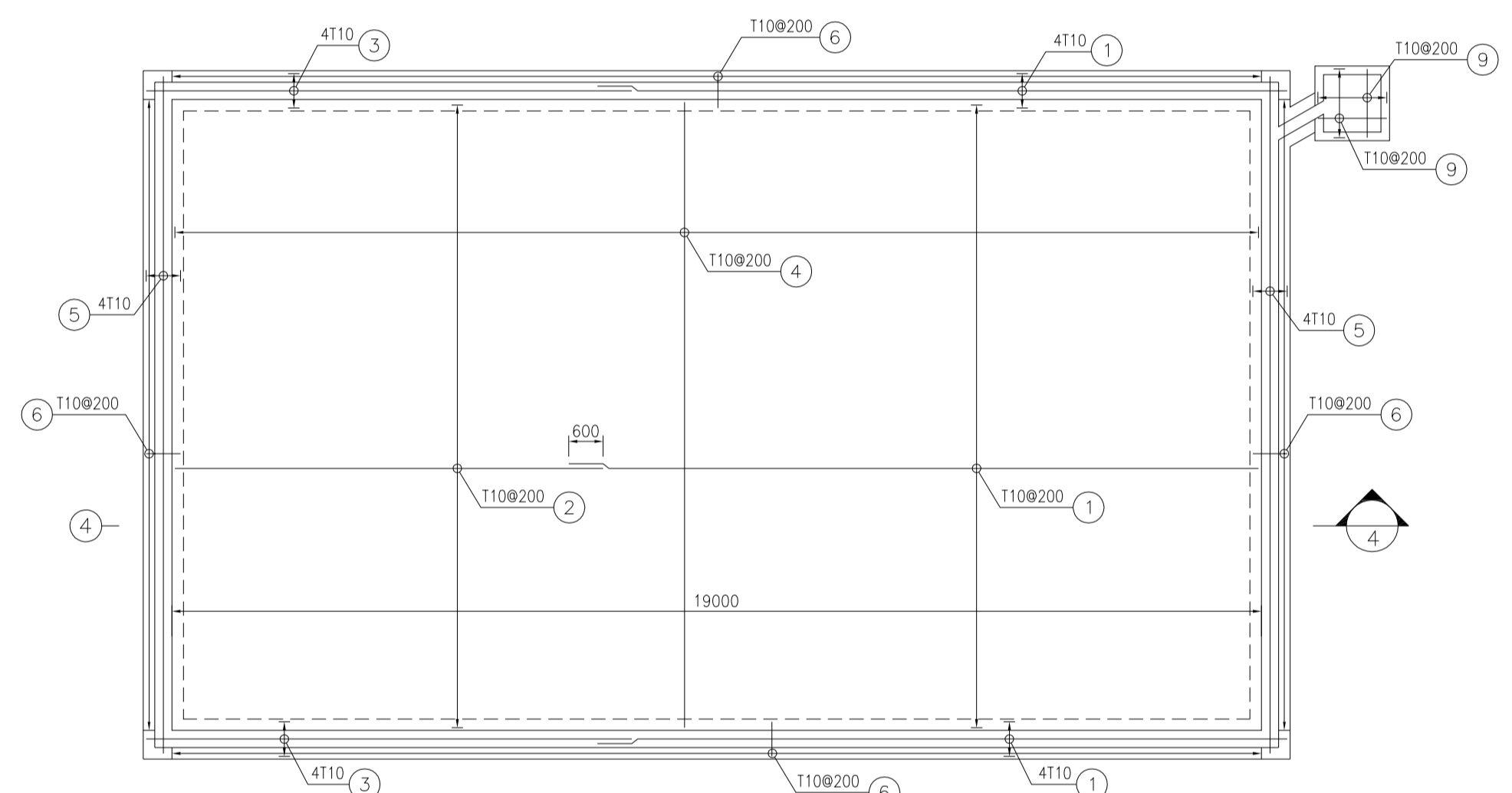
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

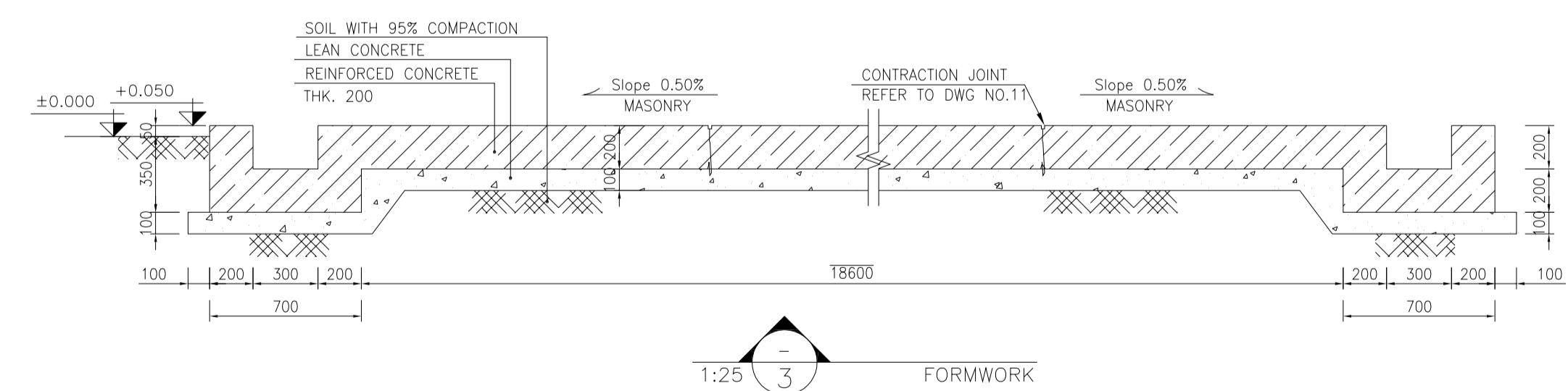
APPROVED FOR CONSTRUCTION	BY:	DATE:



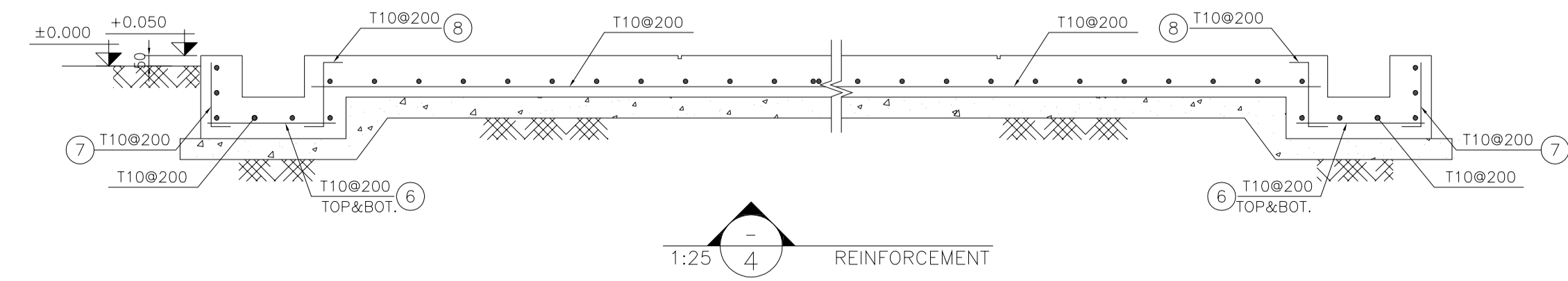
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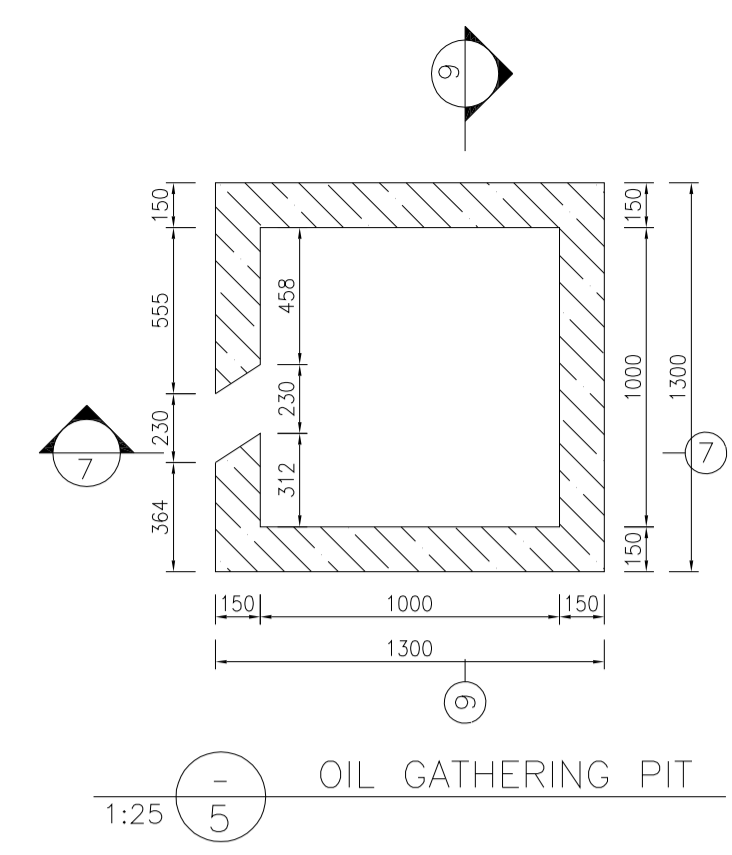
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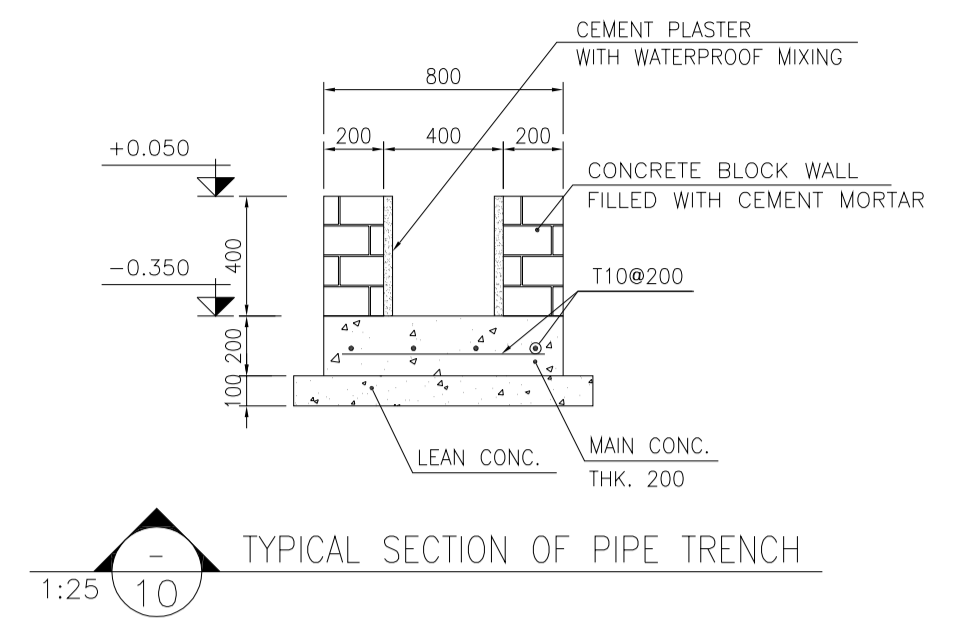
1:25 FORMWORK



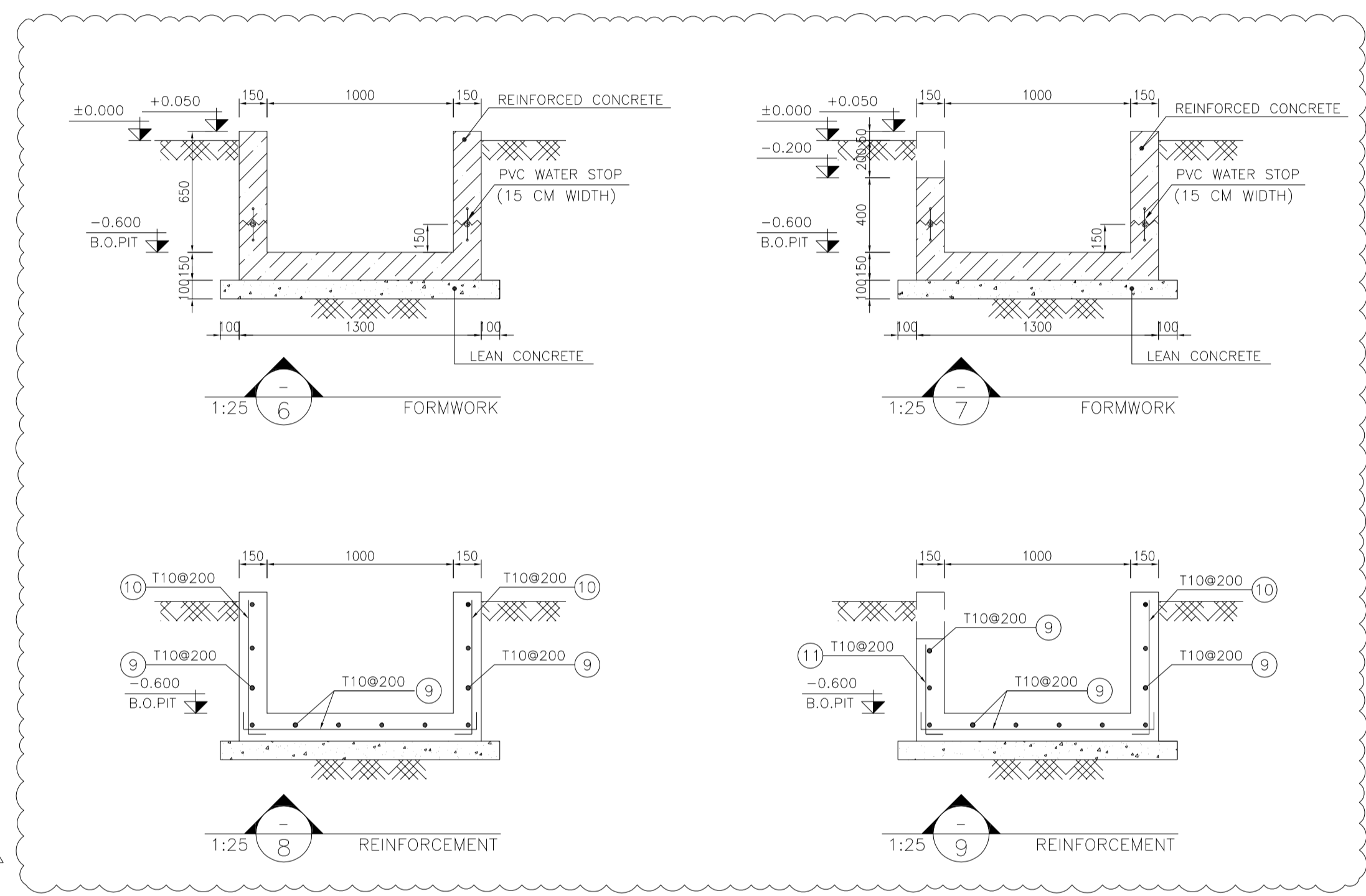
1:25 REINFORCEMENT



1:25 OIL GATHERING PIT



1:25 TYPICAL SECTION OF PIPE TRENCH



D05

BAR BENDING SCHEDULE - FUEL TANK					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	12000	12.00	64	768.0
2	T10	7450	7.45	56	417.2
3	T10	8450	8.45	8	67.6
4	T10	10850	10.85	100	1085.0
5	T10	11850	11.85	8	94.8
6	T10	550	0.55	300	165.0
7	T10	150	0.15	250	120.0
8	T10	150	0.15	250	120.0
9	T10	150	1.45	23	33.35
10	T10	150	0.80	34	27.20
11	T10	150	0.55	14	7.70
TOTAL LENGTH OR AREA (m)					2950.85
UNIT WEIGHT (Kg/m)					0.617
WEIGHT (Kg)					1820.67
GRAND TOTAL (Kg)					1830

D05

TABLE 1 (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

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

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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:						
DRAWING TITLE:	CIVIL AND STRUCTURAL DRAWINGS-BK14 FUEL TANK FOUNDATION FORMWORK & REINFORCEMENT PLAN-SECTION					
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	8 OF 99	D05	053-073-9184	F

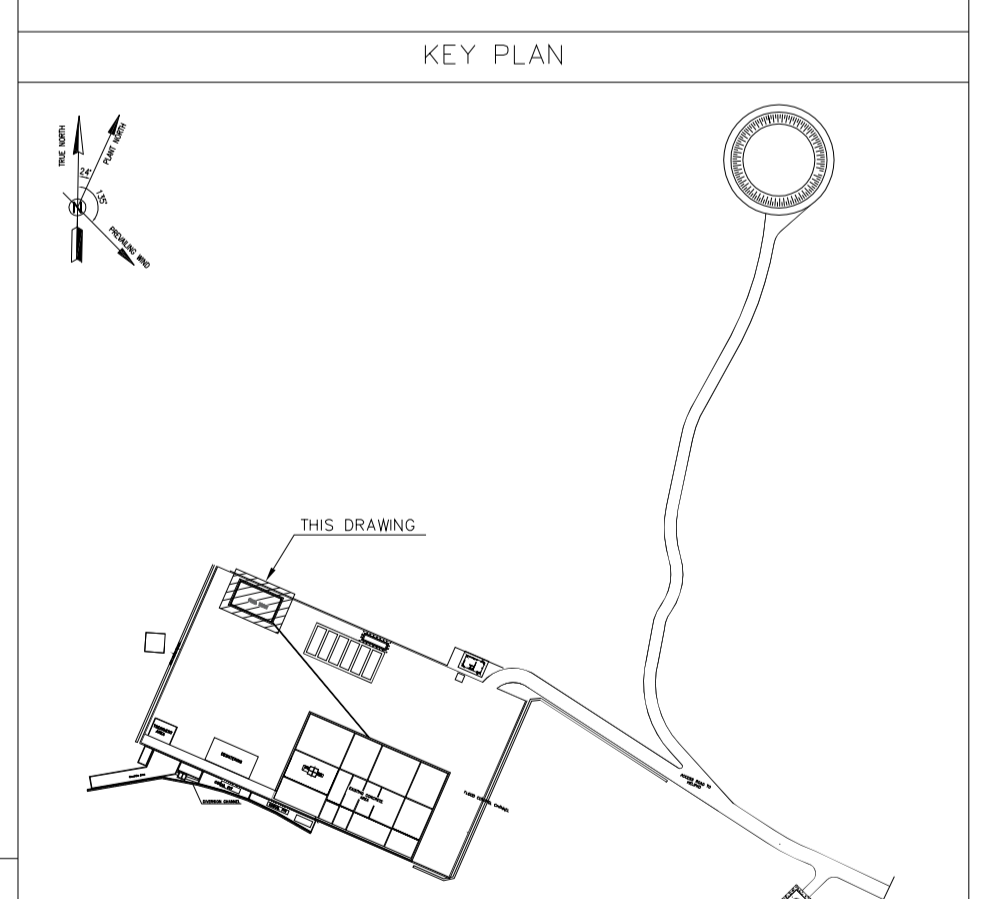
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC 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 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	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	T.O.W.	TOP OF WALL
	CONCRETE BLOCK WALL	T.O.C.	TOP OF CONCRETE
	GRAVEL	B.O.C.	BOTTOM OF CONCRETE
	SUB GRADE	T.O.PIT	TOP OF PIT
	SLOPE	B.O.P.	BOTTOM OF PIPE
	GRAVEL	R.G.L.	ROUGH GRADING LEVEL
	SLOPE	T.O.CH.	TOP OF CHANNEL
	GRAVEL	T.O.R.	TOP OF ROAD

REFERENCE DRAWING

SPECIFICATION FOR FENCE & GATE	DRG. No.
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-DW-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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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 SWHCEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWHCEAR 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



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

PROJECT NO.: 971020

EPC CONTRACTOR:

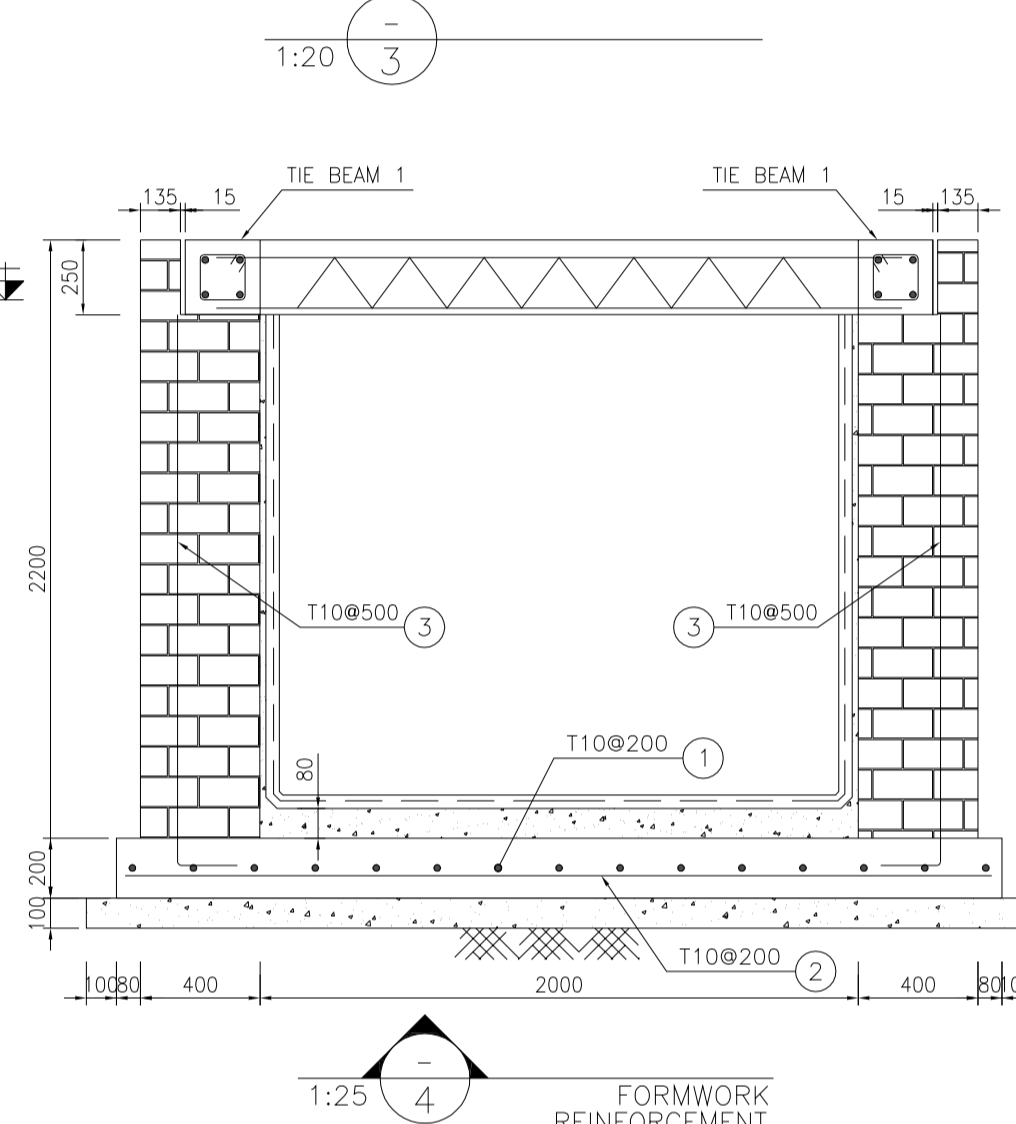
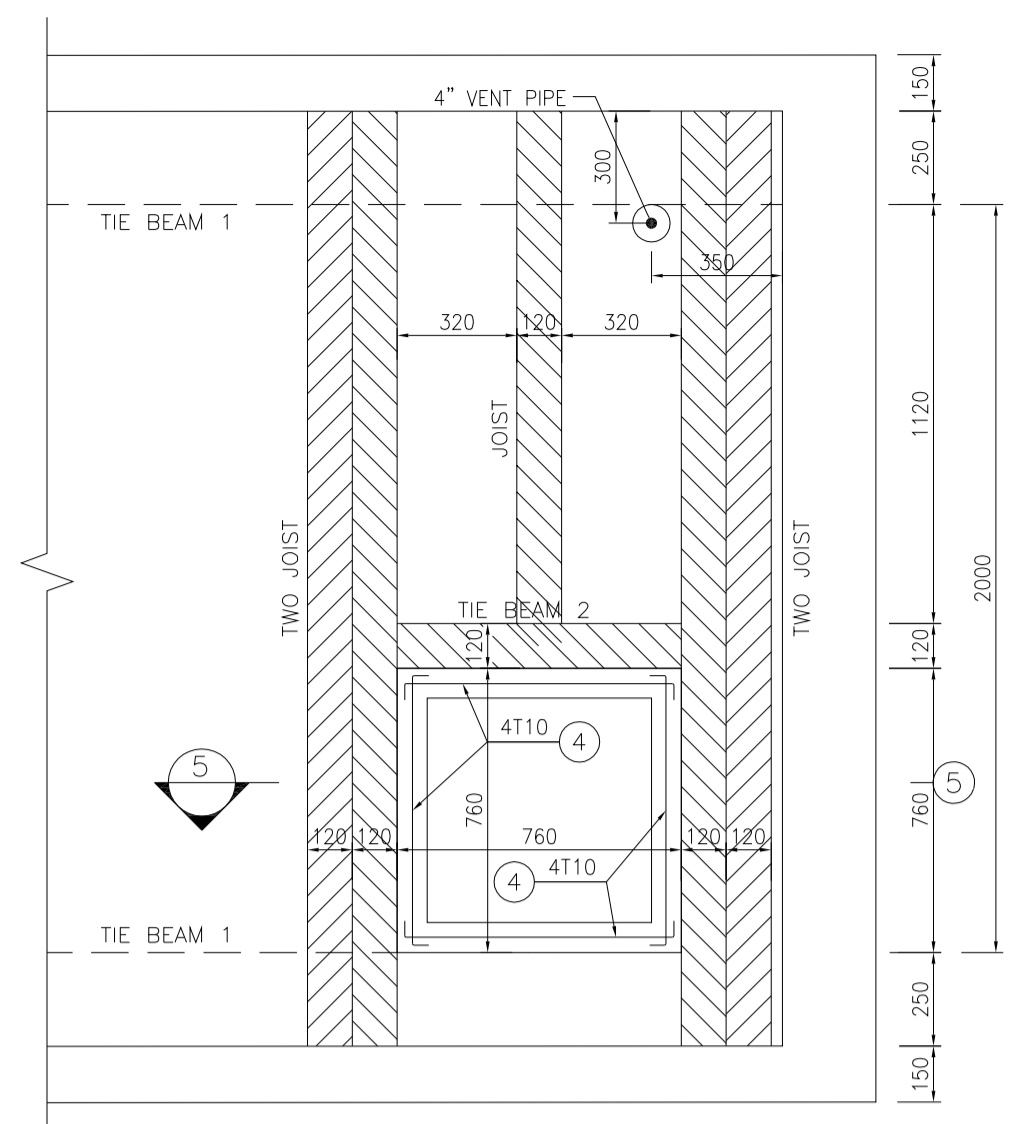
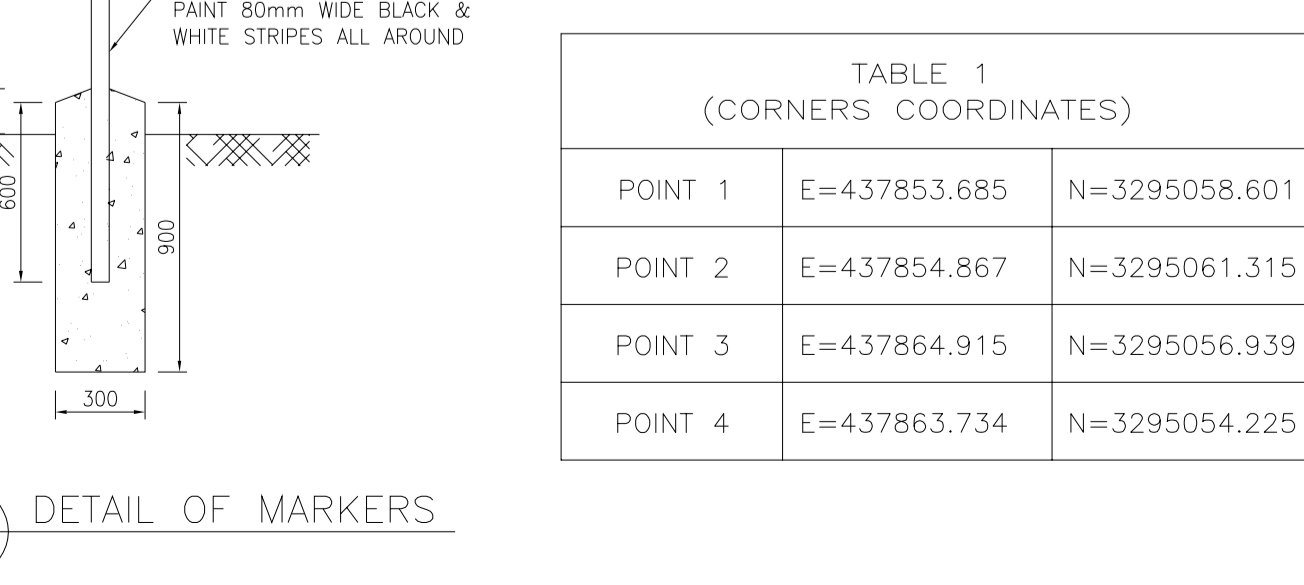
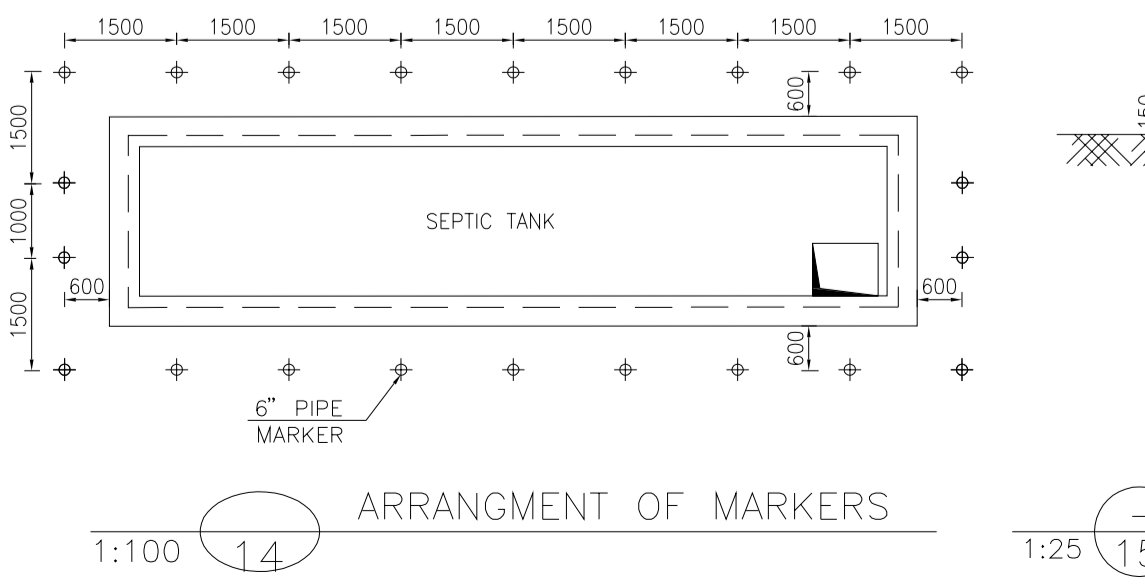
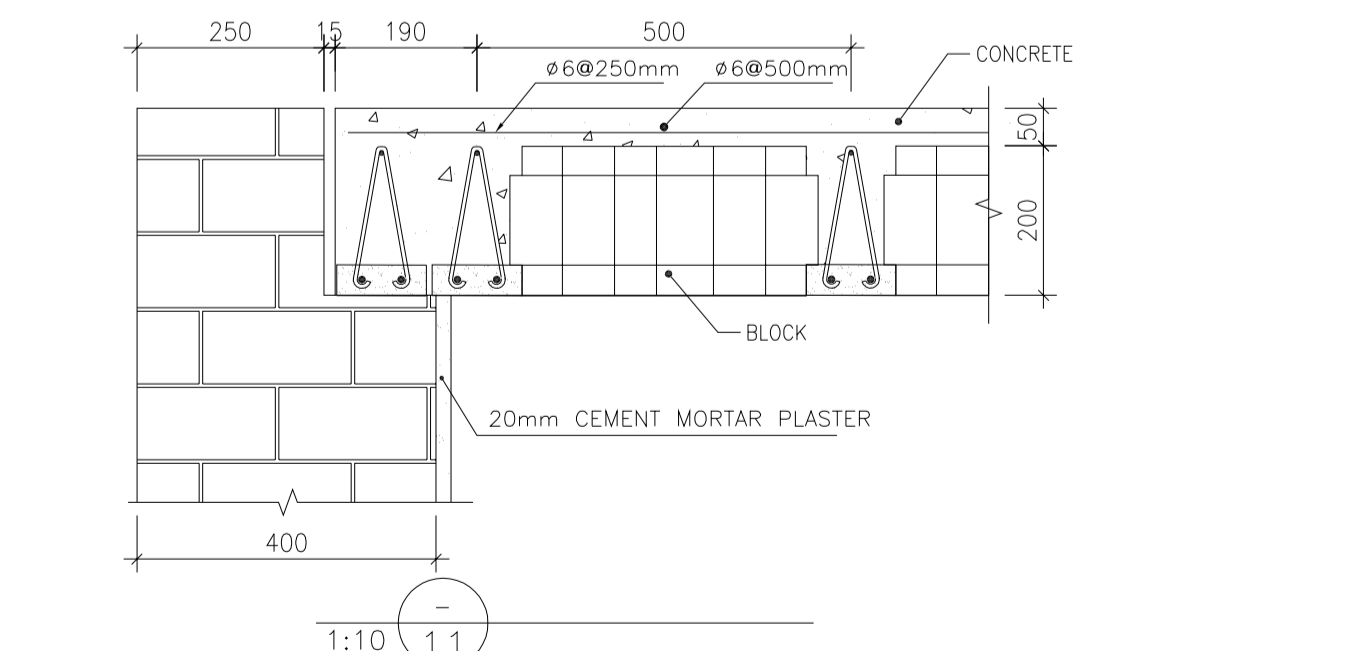
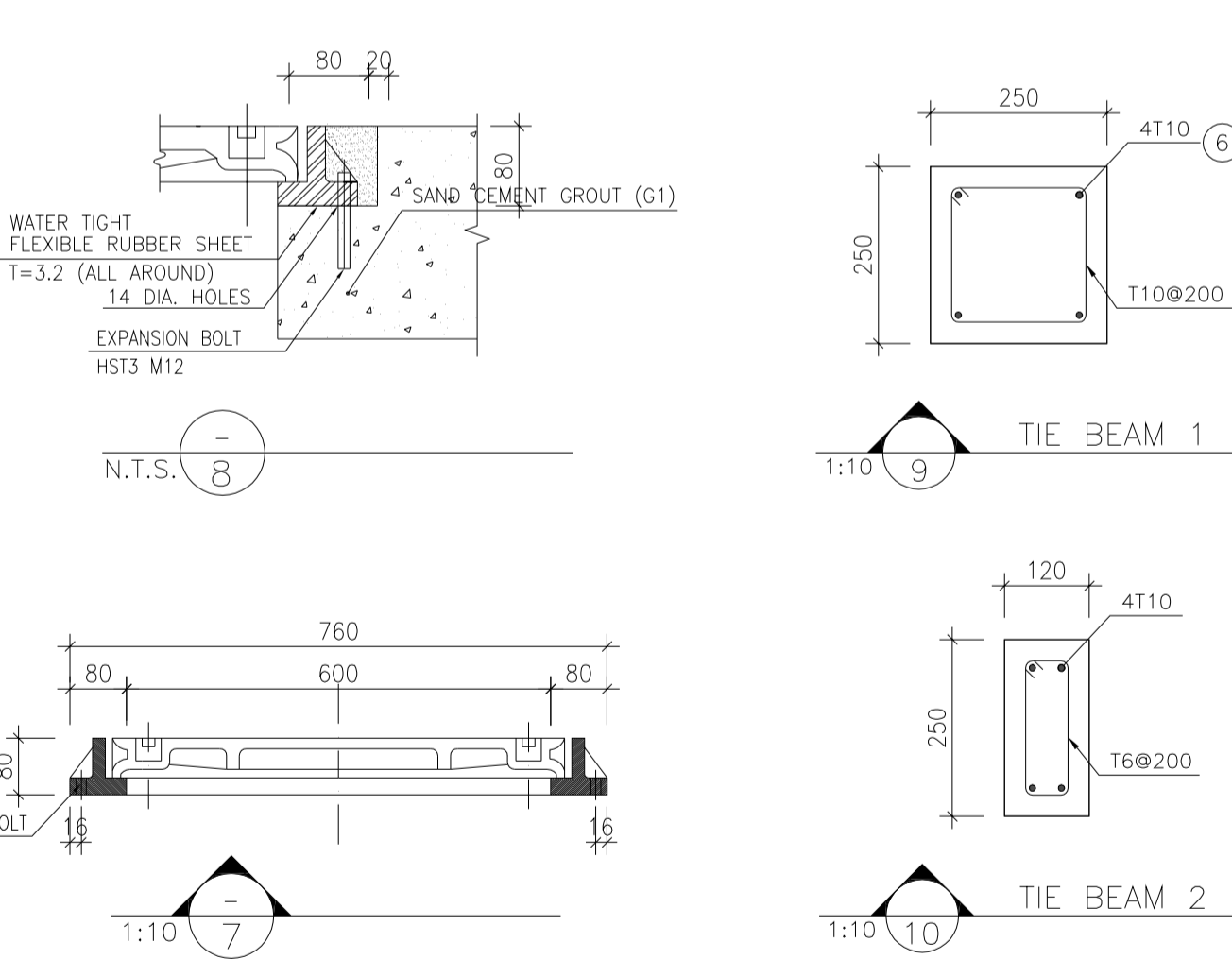
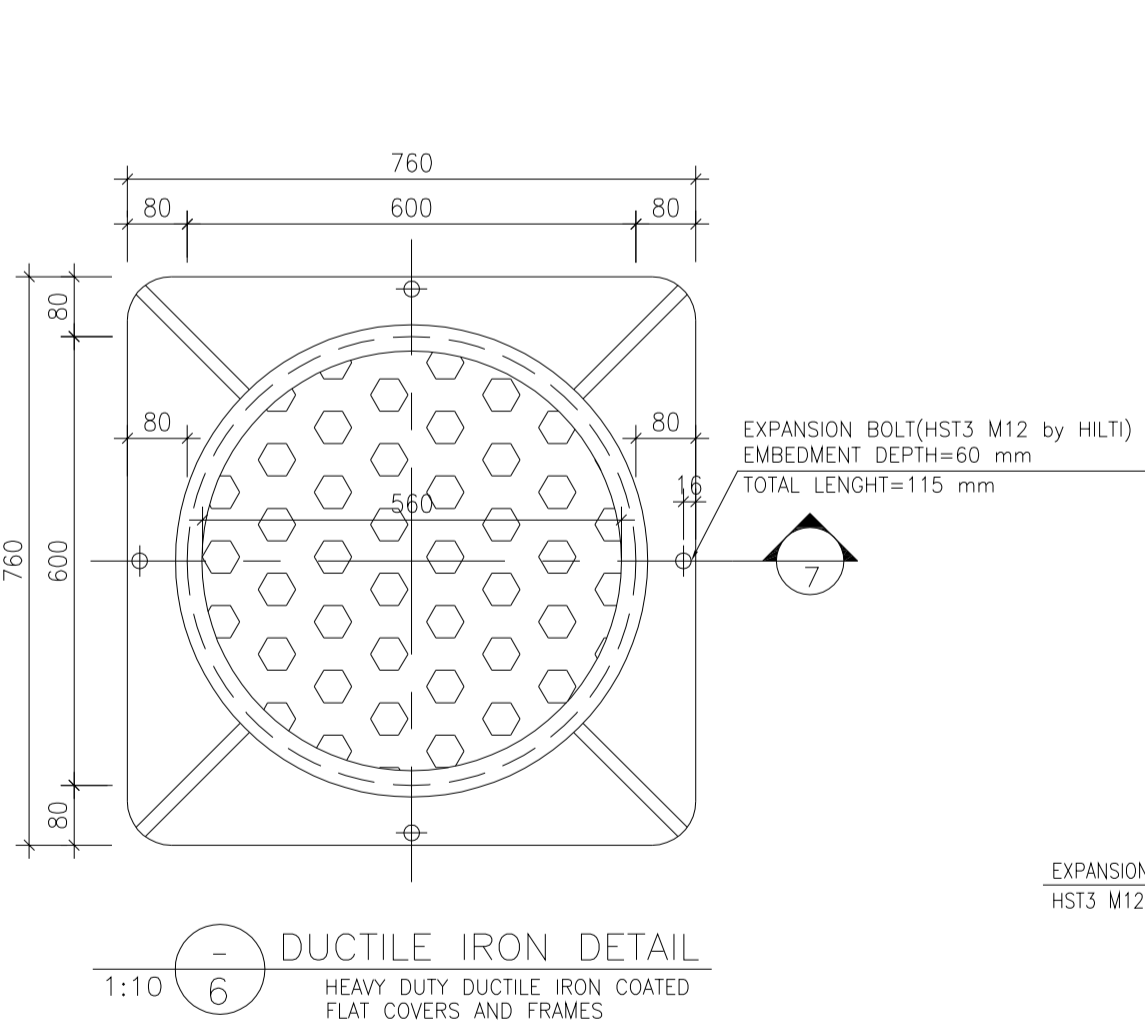
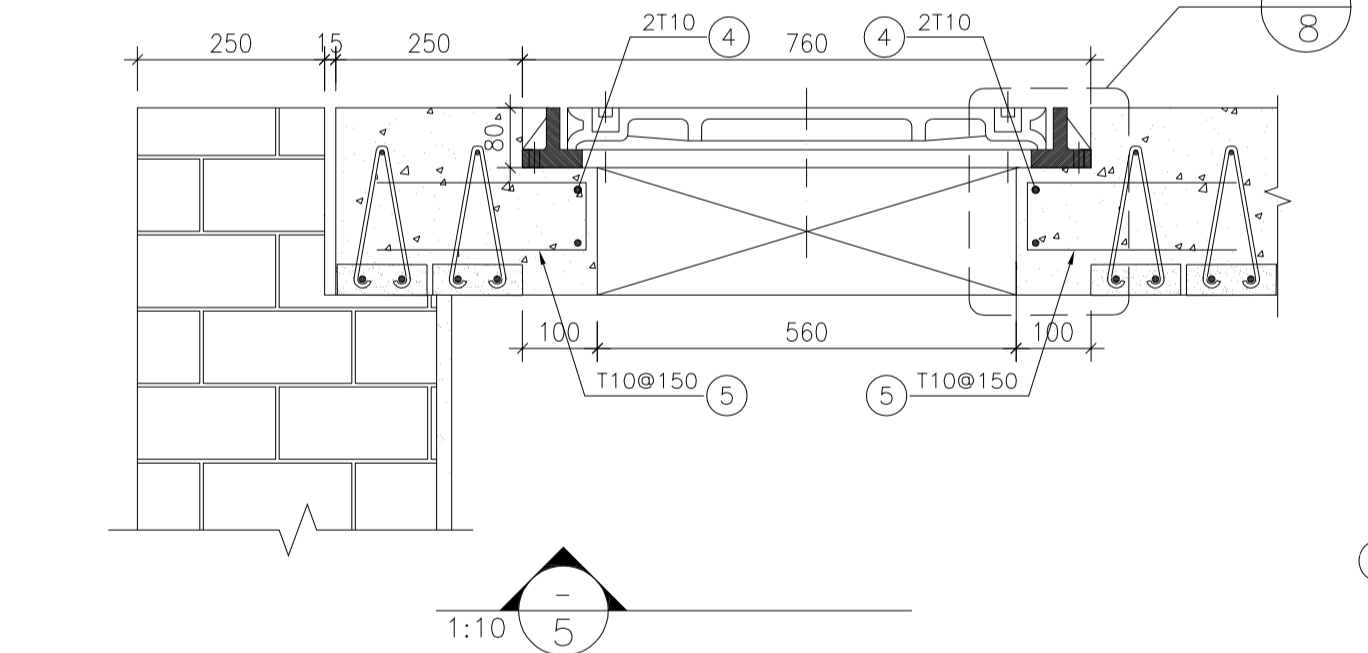
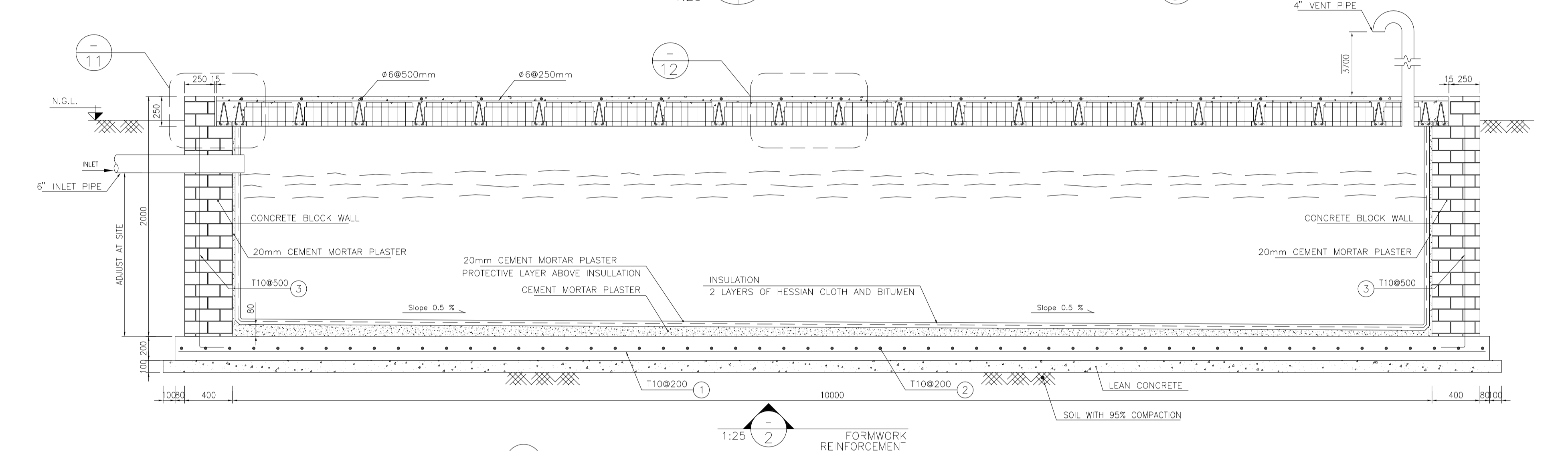
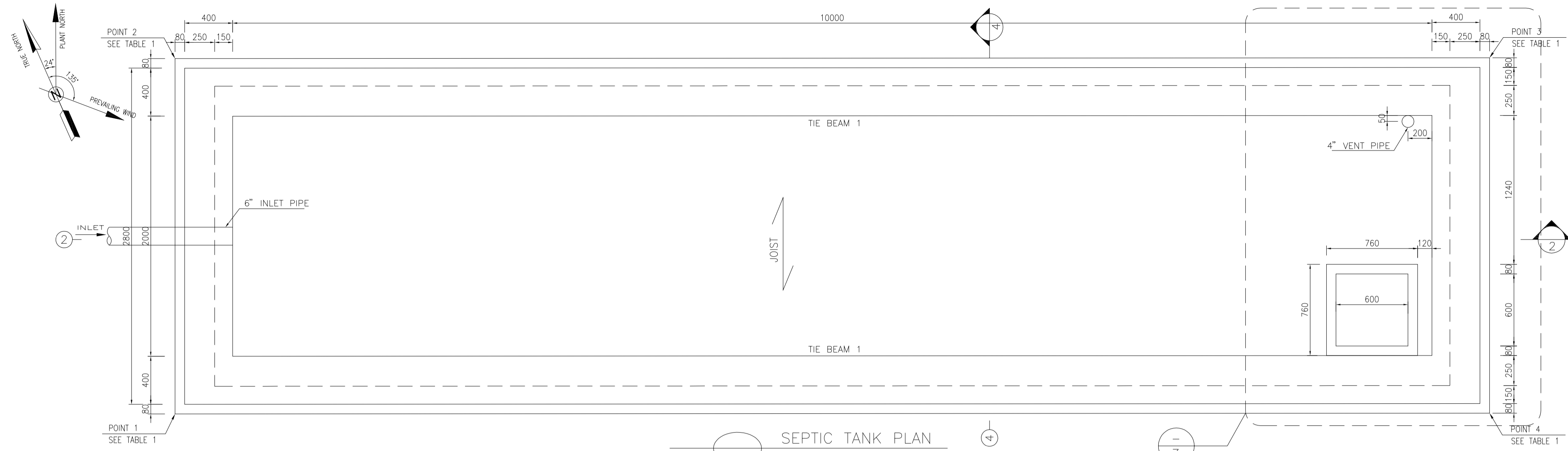
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 FUEL TANK FOUNDATION FORMWORK & REINFORCEMENT PLAN-SECTION

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
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	8 OF 99	D05	053-073-9184	F	4	S	708209	8	D05



Pos	Spec.	Shape	L/A	No.	T10
1	T10	10800	10.80	15	162.0
2	T10	2800	2.80	55	154.0
3	T10	150 1850	2.00	52	104.0
4	T10	150 600 150	0.90	8	7.20
5	T10	90 280 280	0.65	20	13.0
6	T10	10200	10.20	8	81.60
7	T10	150 150 100	0.80	100	80.0
TOTAL LENGTH OR AREA (m/m ²)					601.80
UNIT WEIGH (Kg)					0.617
WEIGHT (Kg)					371.32
GRAND TOTAL (Kg)					380

POINT	E	N
POINT 1	E=437853.685	N=3295058.601
POINT 2	E=437854.867	N=3295061.315
POINT 3	E=437864.915	N=3295056.939
POINT 4	E=437863.734	N=3295054.225

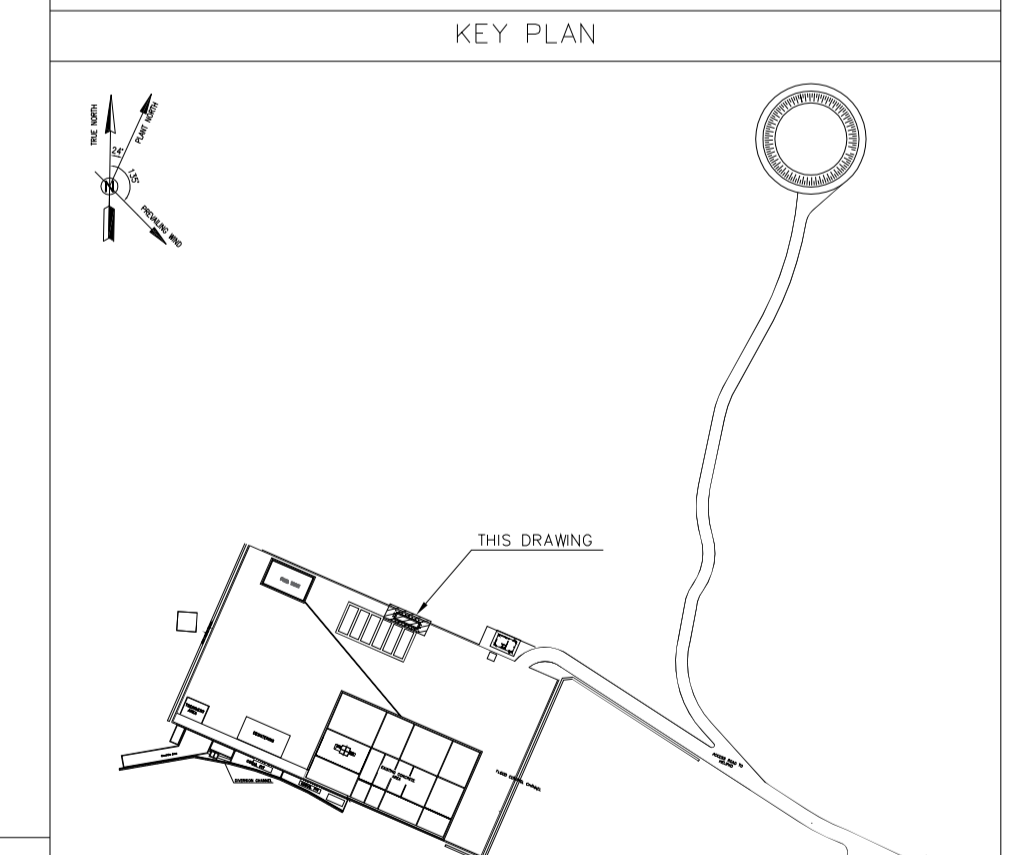
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
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 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
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 - ACCORDING TO THE GEOTECHNICAL REPORT SHOULD BE USED OF CEMENT TYPE2.

LEGEND AND ABBREVIATION

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

REFERENCE DRAWING

SPECIFICATION FOR FENCE & GATE	DRG. No.
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
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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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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 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.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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 SEPTIC TANK FORMWORK & REINFORCEMENT PLAN-SECTION

SCALE: AS SHOWN

DATE: 05/03/2023

SCALE: A1

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

SHEET NO.: 9 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 9

REVISION: D05

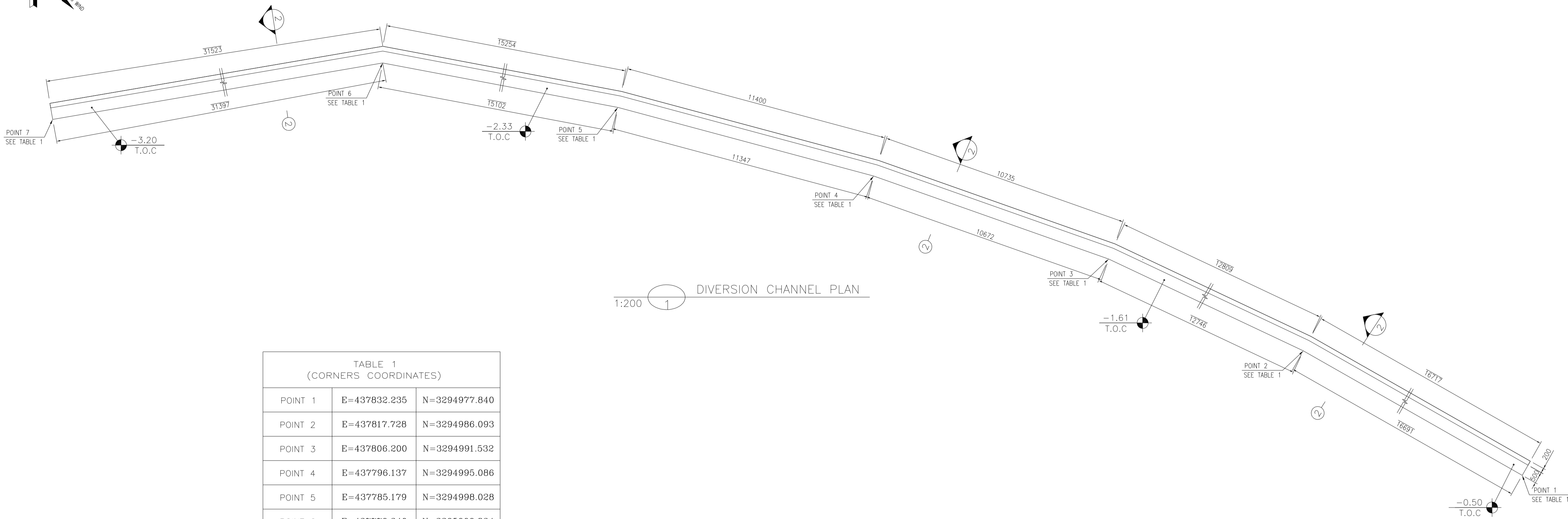
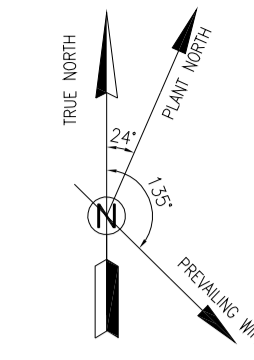
املا و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:



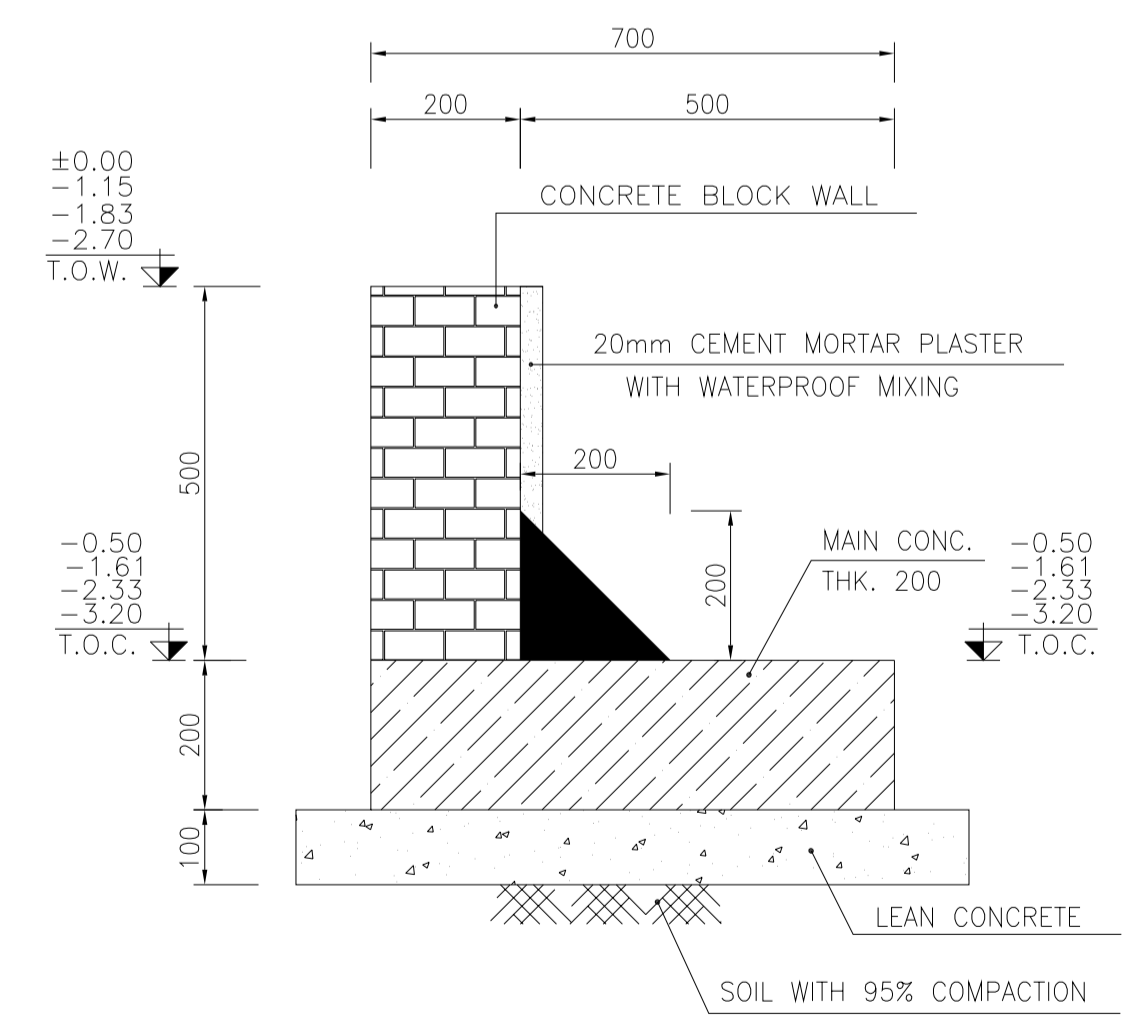
1:200 DIVERSION CHANNEL PLAN

TABLE 1
(CORNERS COORDINATES)

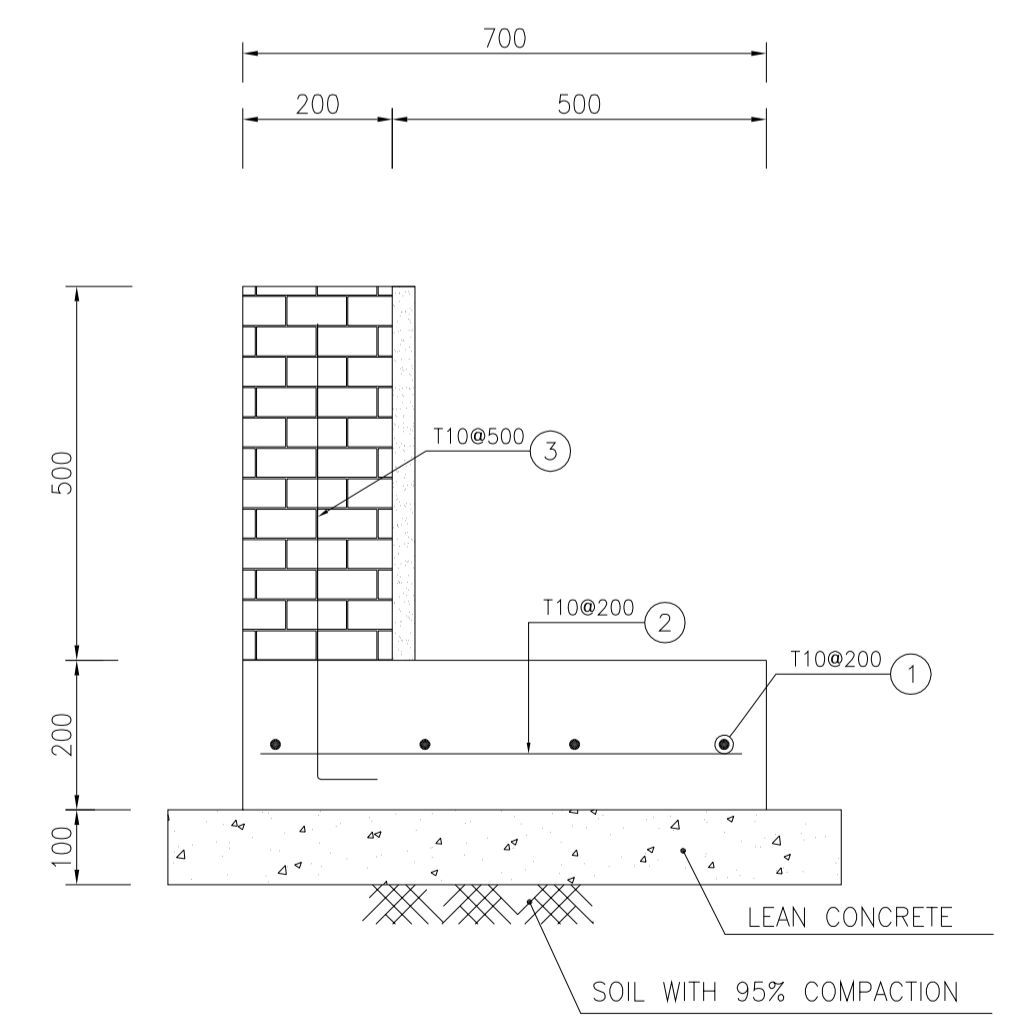
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POINT 1	E=437832.235	N=3294977.840
POINT 2	E=437817.728	N=3294986.093
POINT 3	E=437806.200	N=3294991.532
POINT 4	E=437796.137	N=3294995.086
POINT 5	E=437785.179	N=3294998.028
POINT 6	E=437770.340	N=3295000.834
POINT 7	E=437739.394	N=3294995.532

BAR BENDING SCHEDULE - DIVERSION CHANNEL

Pos	Spec.	Shape	L/A	No.	T10
1	T10	1200	12.00	36	435.00
2	T10	550	0.55	500	275.00
3	T10	150 550	0.70	200	140.00
TOTAL LENGTH OR AREA (m/m2)					850.00
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					524.45
GRAND TOTAL (Kg)					530



1:10 FORMWORK



1:10 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)
- 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

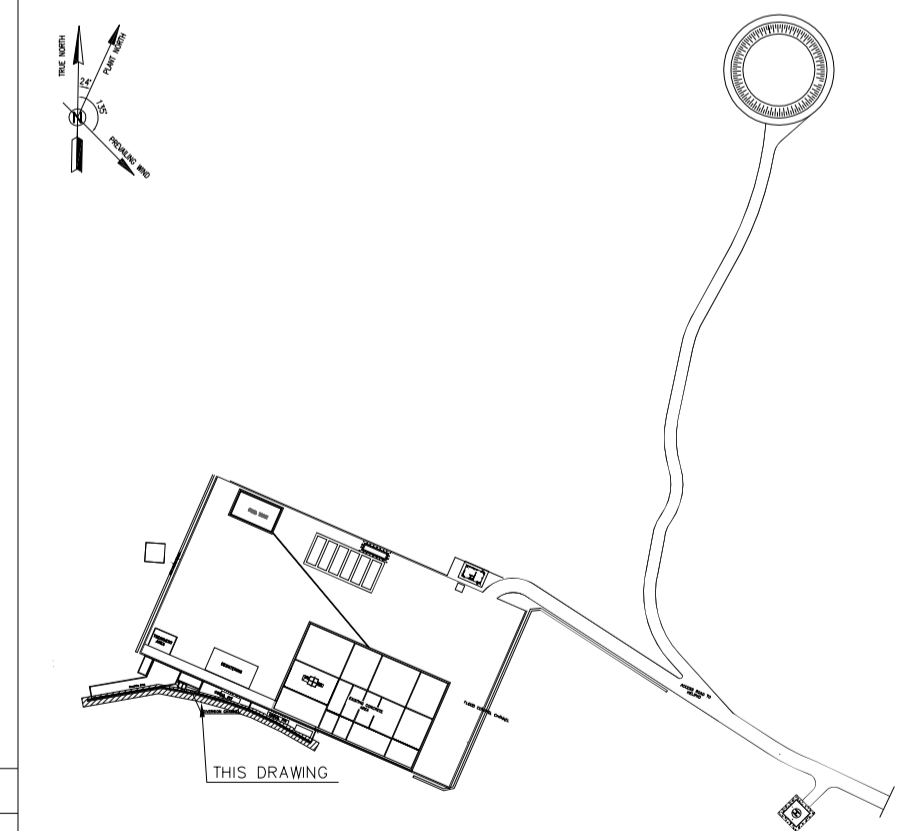
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	T.O.W.	TOP OF WALL
	CEMENT BLOCK WALL	T.O.C.	TOP OF CONCRETE
	GRAVEL	B.O.C.	BOTTOM OF CONCRETE
	SUB GRADE	T.O.PIT	TOP OF PIT
	SLOPE	B.O.P.	BOTTOM OF PIPE
	GRAVEL	R.G.L.	ROUGH GRADING LEVEL
		T.O.CH.	TOP OF CHANNEL
		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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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 SWICHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWICHGEAR 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



REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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.

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

SCALE: AS SHOWN

DATE: 053-073-9184

SIZE: A1

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

SHEET NO.: 10 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 10

REVISION: D05

APPROVED FOR CONSTRUCTION

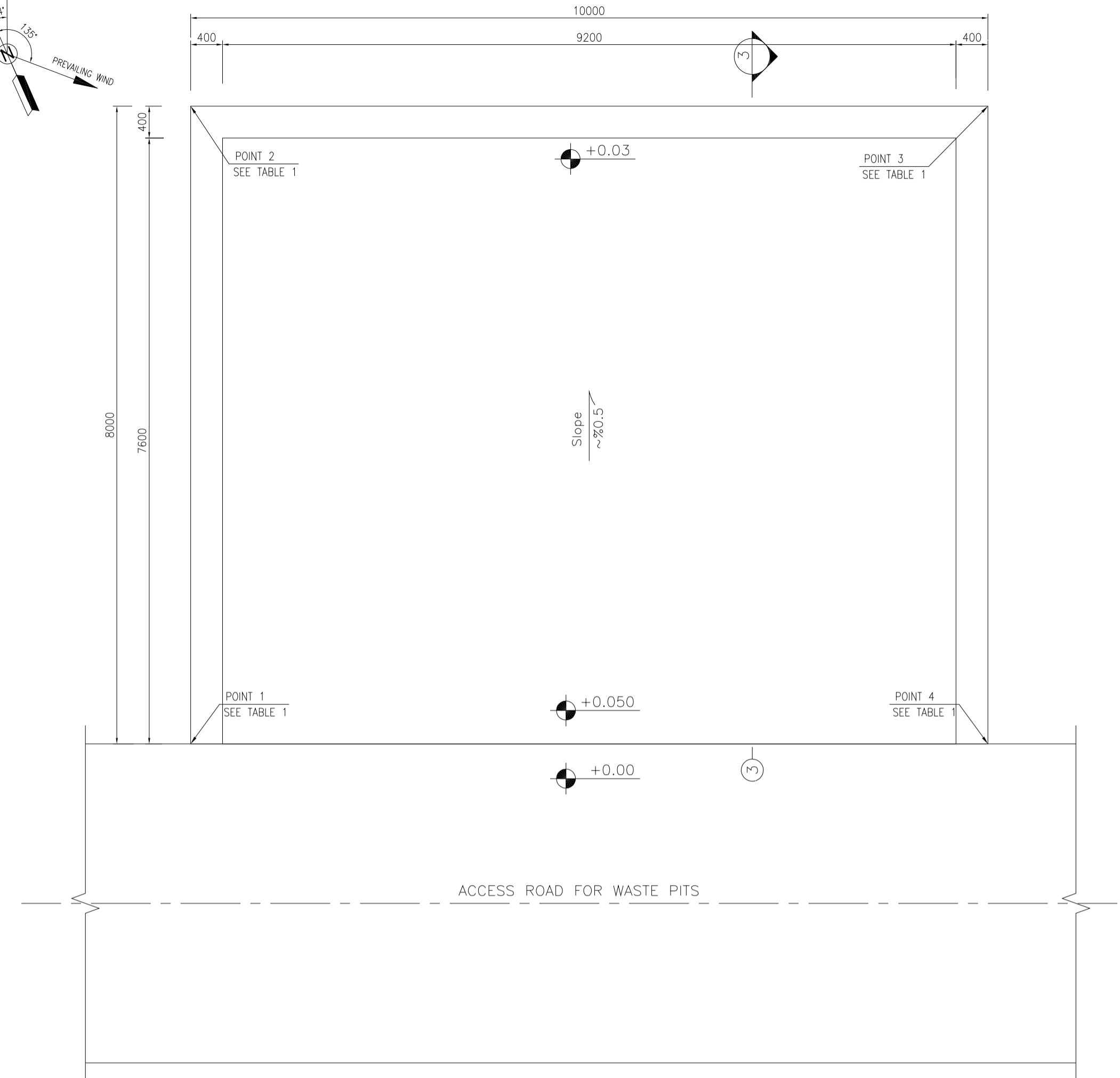
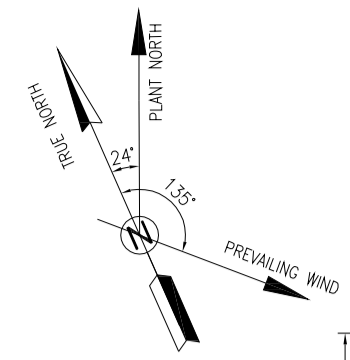
BY: _____ DATE: _____

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

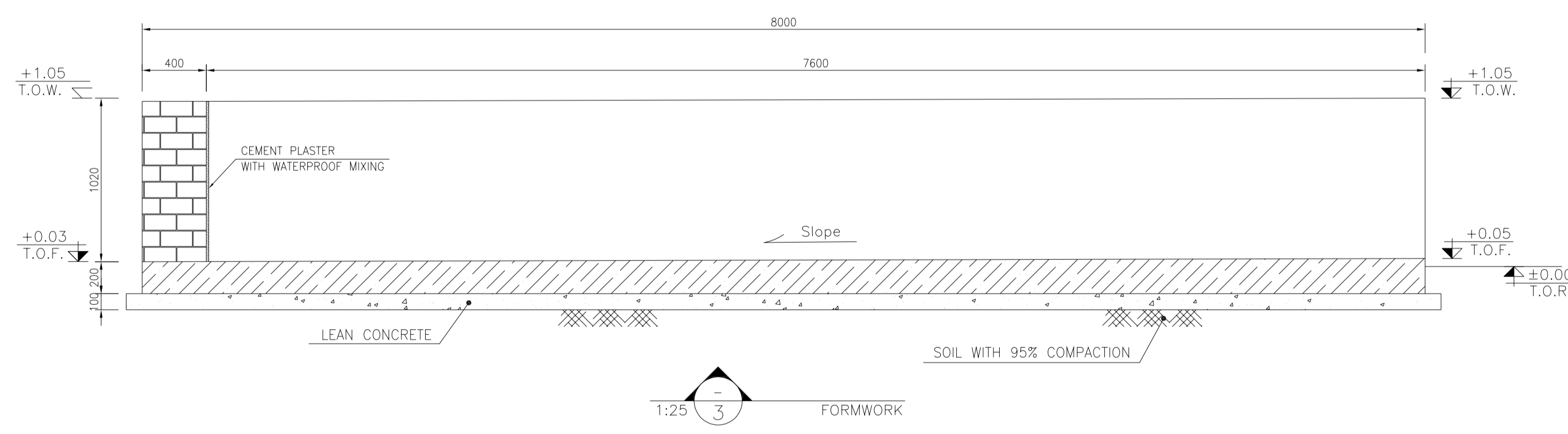
DATE: _____ SCALE: _____ DRAWING BY: _____ CHECKED BY: _____ PROJECT ENG.:

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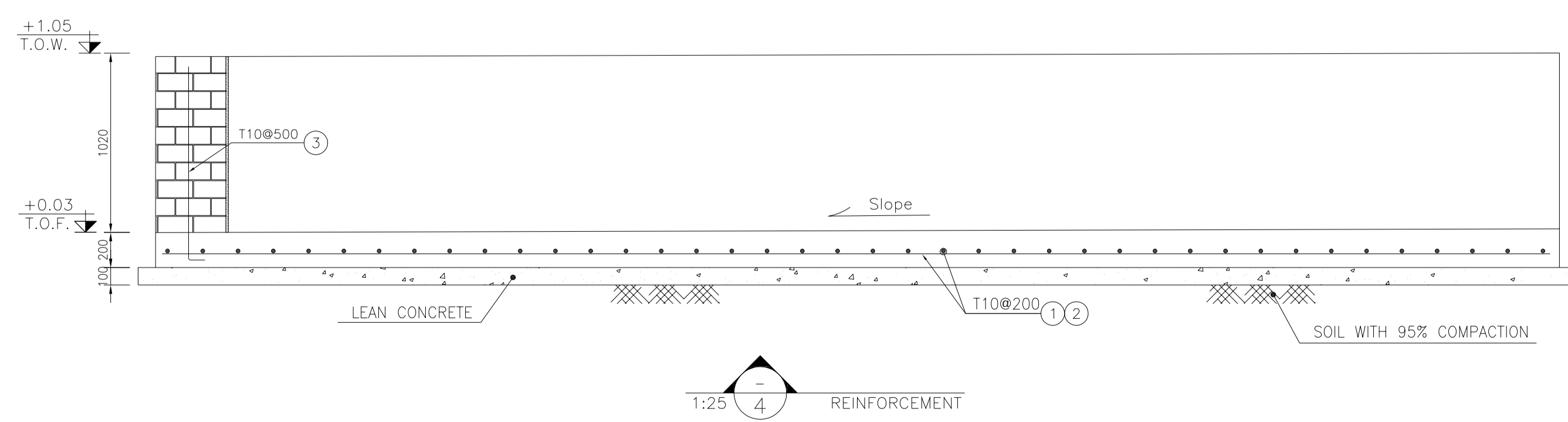
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS



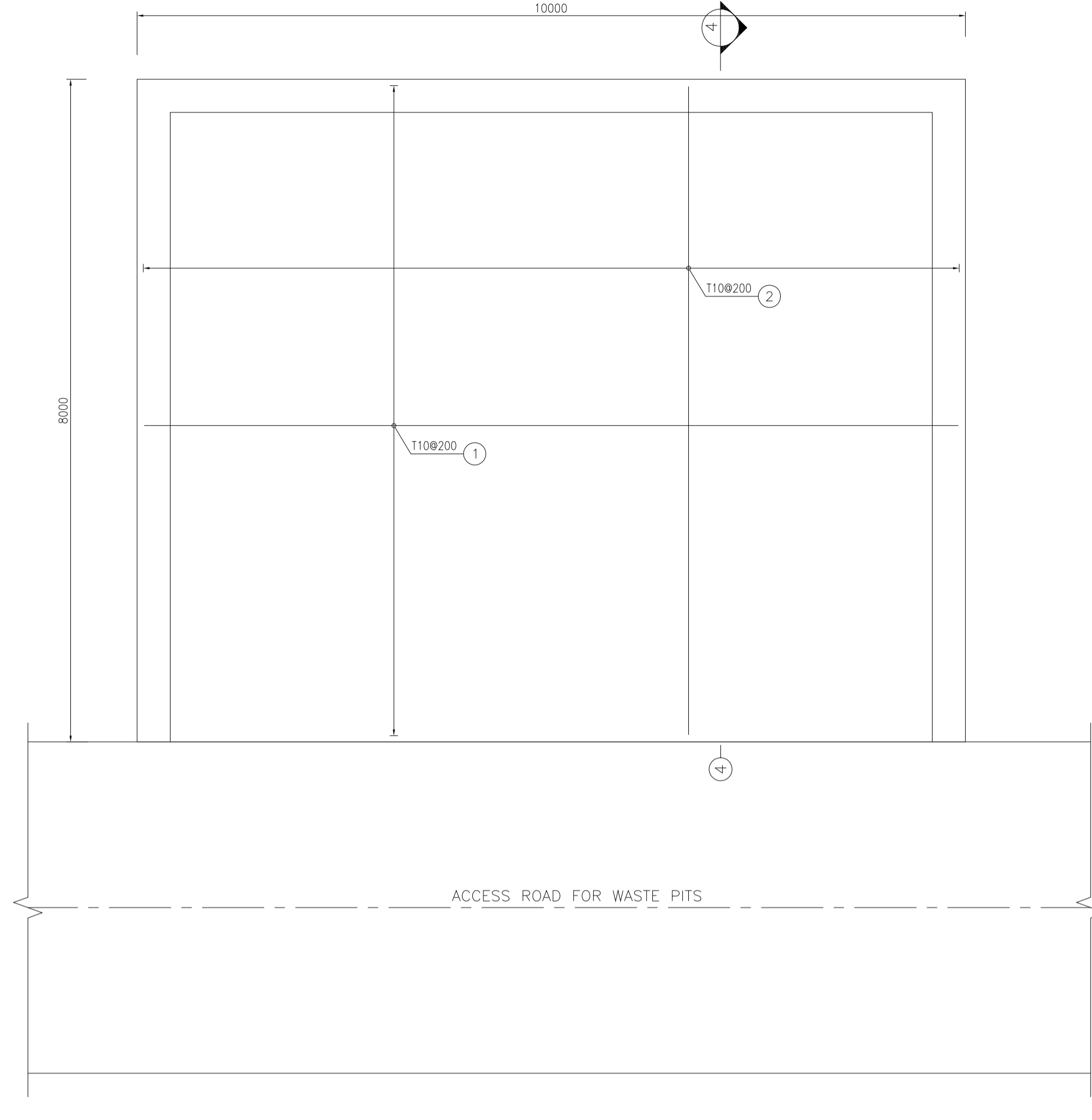
1:50 **1** TREATMENT PAD PLAN FORMWORK



1:25 **3** FORMWORK



1:25 **4** REINFORCEMENT



1:100 **2** TREATMENT PAD PLAN REINFORCEMENT

BAR BENDING SCHEDULE - TREATMENT PAD					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	9850	9.85	50	492.50
2	T10	7850	7.85	40	314.00
3	T10	150 1050	1.20	50	60.00
TOTAL LENGTH OR AREA (m)					866.50
UNIT WEIGTH (Kg/m)					0.617
WEIGHT (Kg)					534.64
GRAND TOTAL (Kg)					540

TABLE 1 (CORNERS COORDINATES)		
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

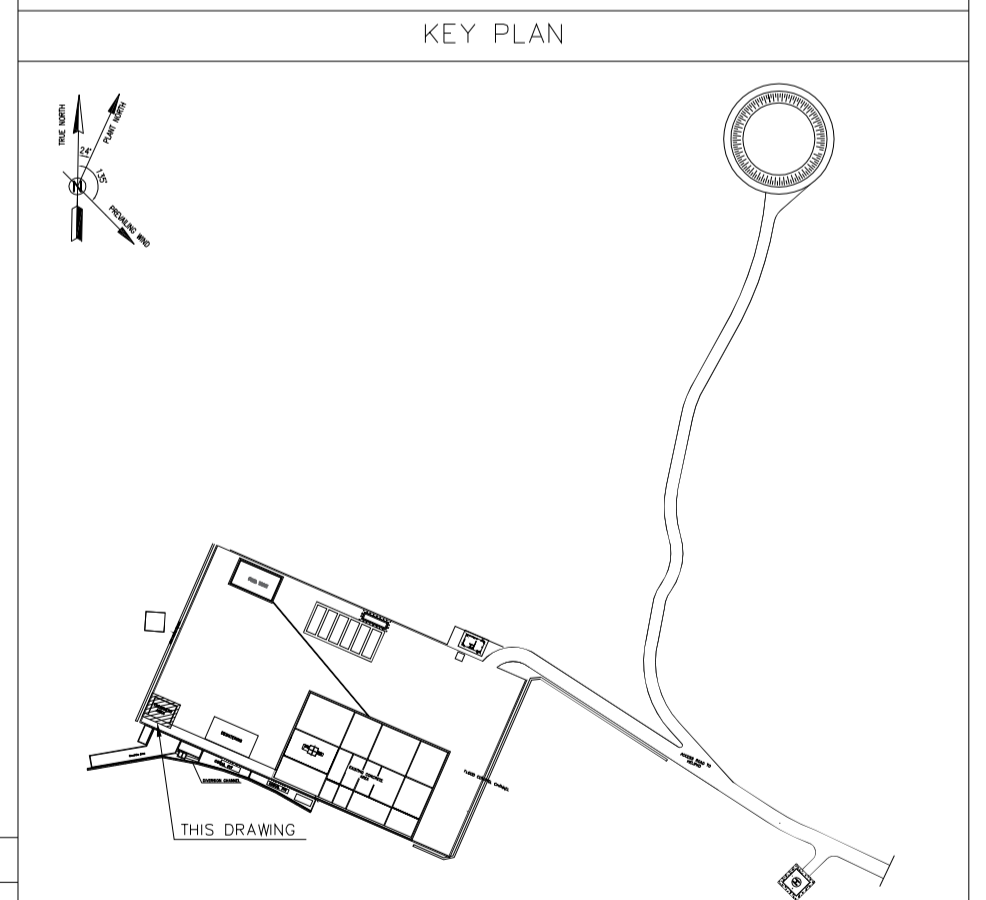
- NOTES**
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC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

LEGEND AND ABBREVIATION

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

REFERENCE DRAWING

SPECIFICATION FOR FENCE & GATE	DRG. No.
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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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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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



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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 TREATMENT PAD FORMWORK - DETAIL & 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	11 OF 99	D05	053-073-9184	F	4	S	708209	11	D05

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

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

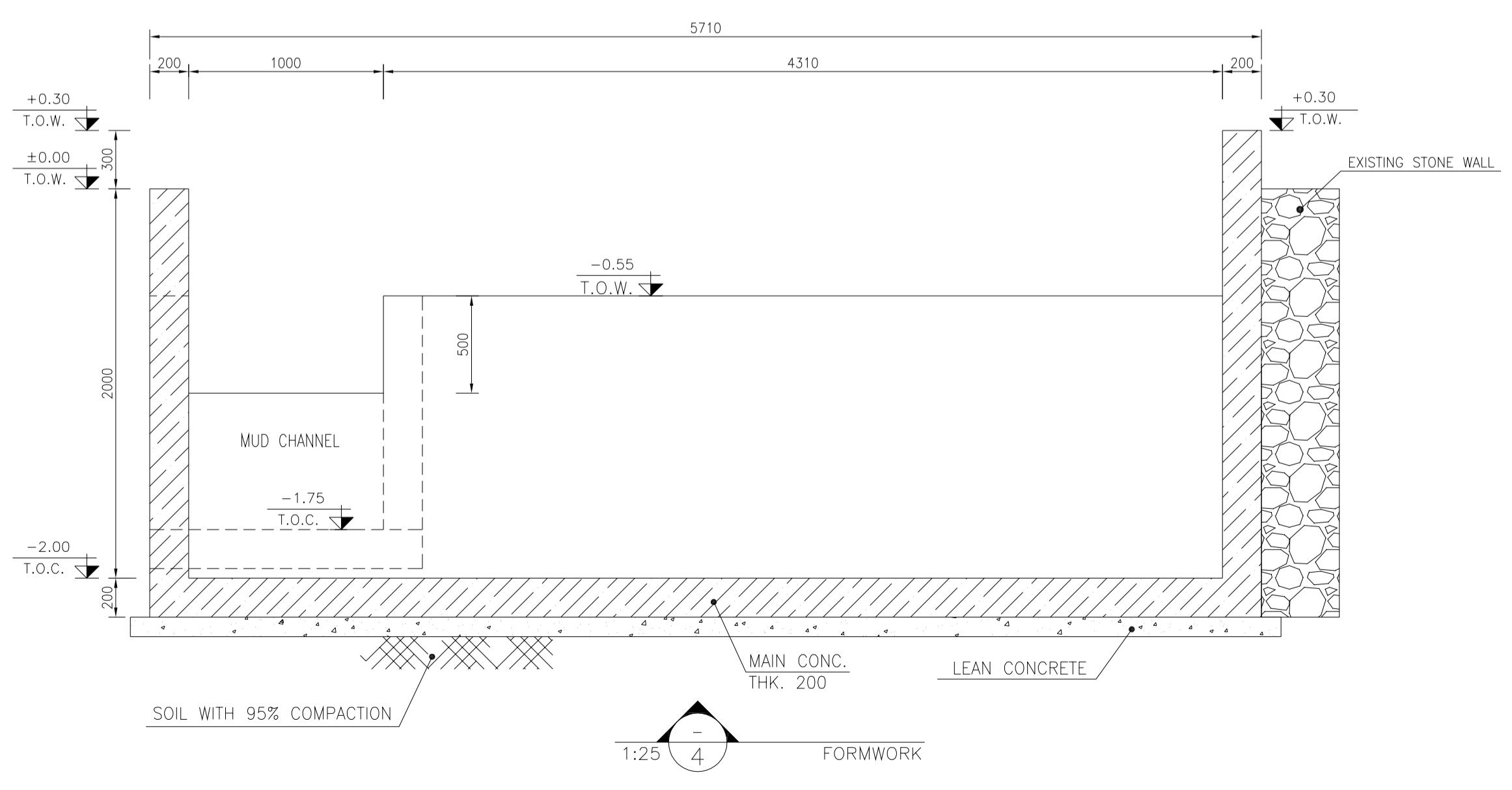
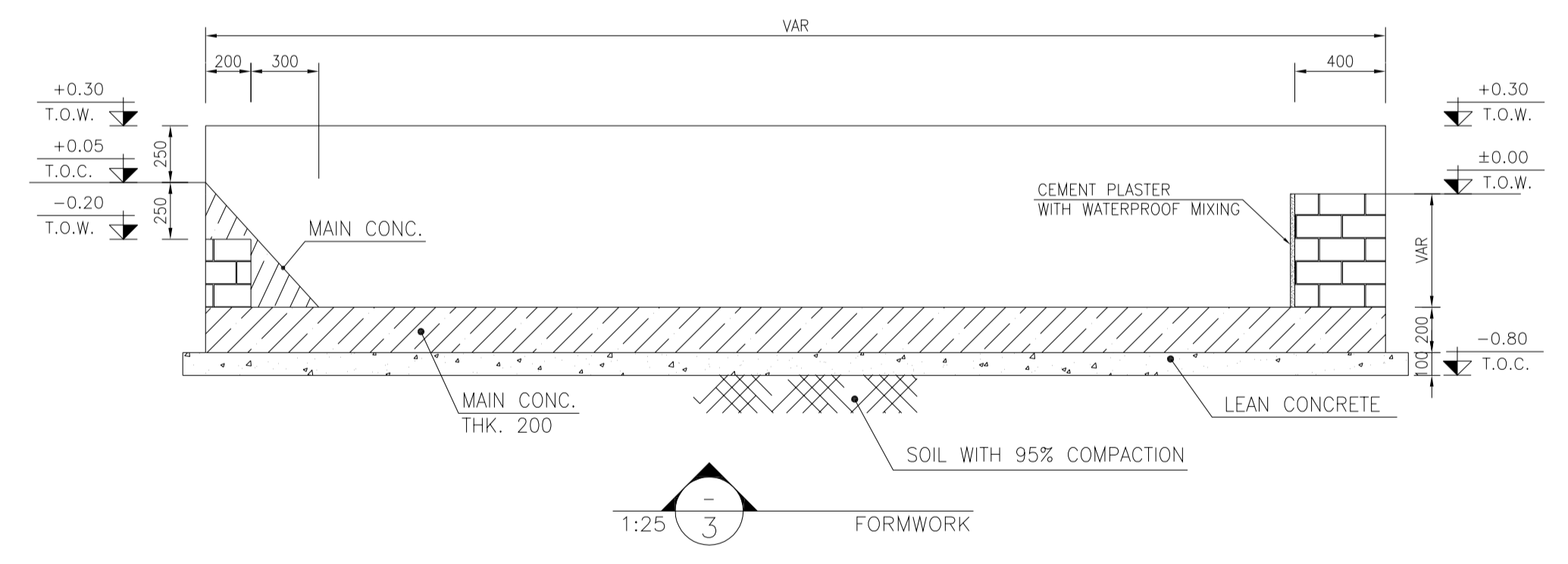
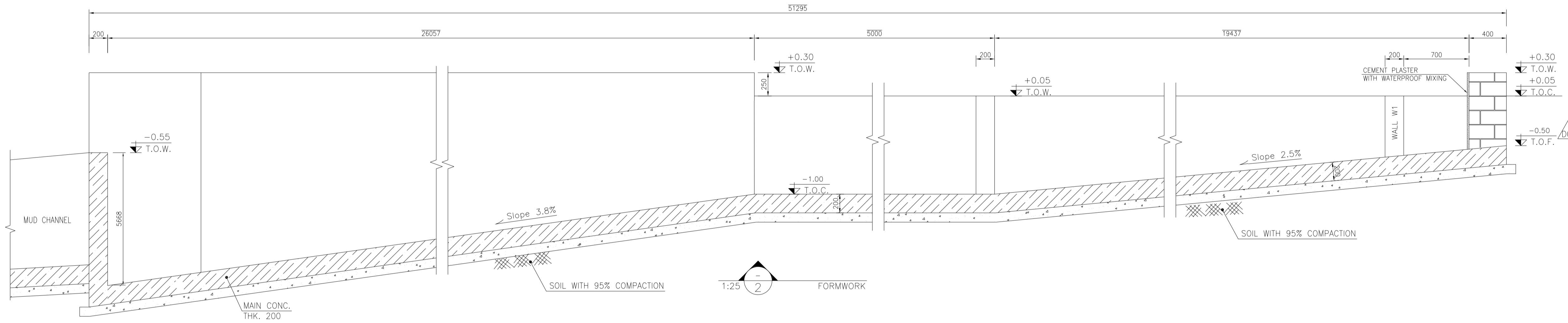
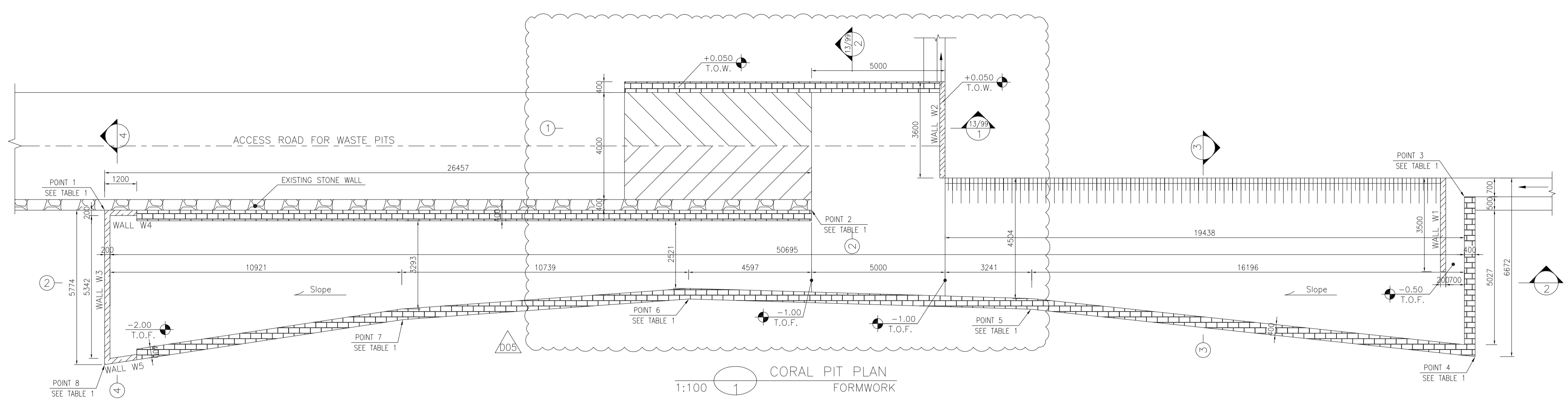
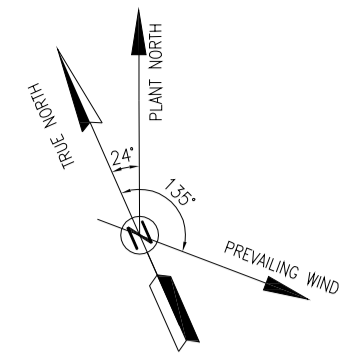


TABLE 1
(CORNERS COORDINATES)

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

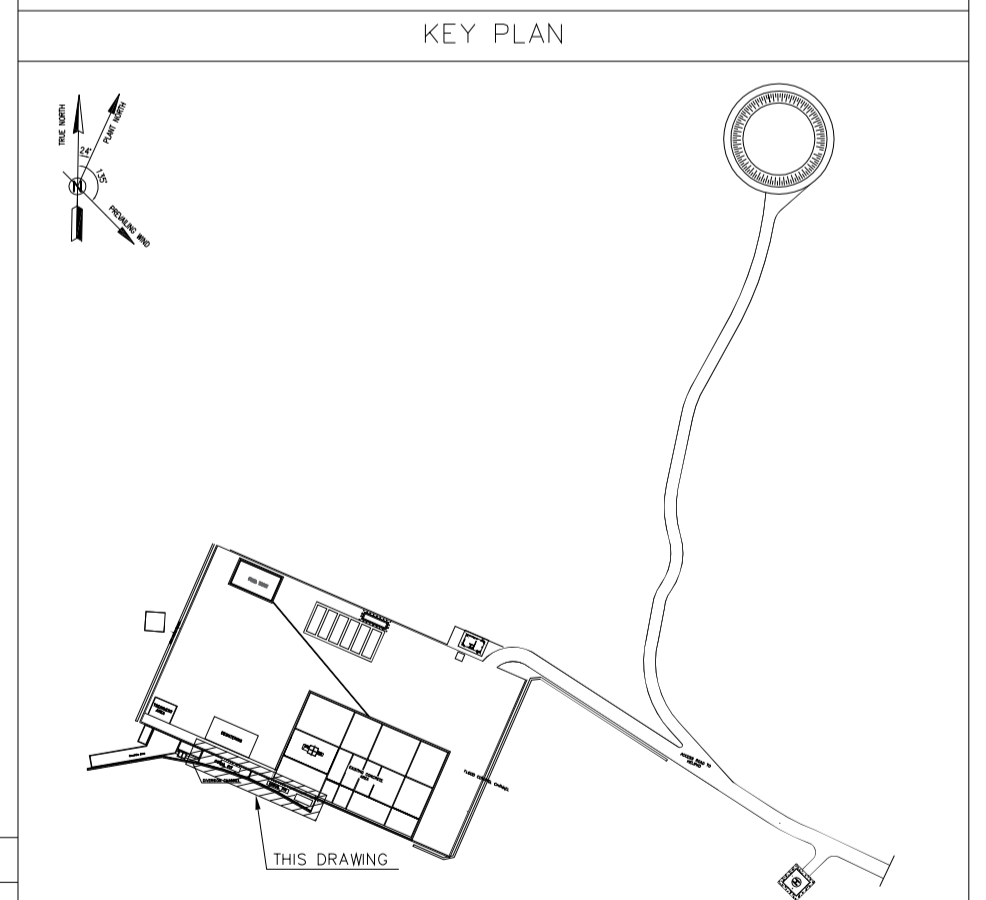
- NOTES
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 25 MPa (ON CYLINDRICAL SPECIMEN)
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 - 7- MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
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 - 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	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	T.O.W.	TOP OF WALL
	CEMENT BLOCK WALL	T.O.C.	TOP OF CONCRETE
	GRAVEL	B.O.C.	BOTTOM OF CONCRETE
	SUB GRADE	B.O.P.	BOTTOM OF PIPE
	SLOPE	R.G.L.	ROUGH GRADING LEVEL
	GRAVEL	T.O.CH.	TOP OF CHANNEL
		T.O.R.	TOP OF ROAD

REFERENCE DRAWING

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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



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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 CORAL PIT FORMWORK - DETAIL & SECTION

SCALE: AS SHOWN

BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	12	D05

REV. DESCRIPTION BY DATE BY DATE

CHECKED: _____ REV. APPR. _____

اخذ و كليه نسخ اين نقشه و حق اقتباس متعلق به شركت ملى مناطق نفت خيز جنوب ميباشند.

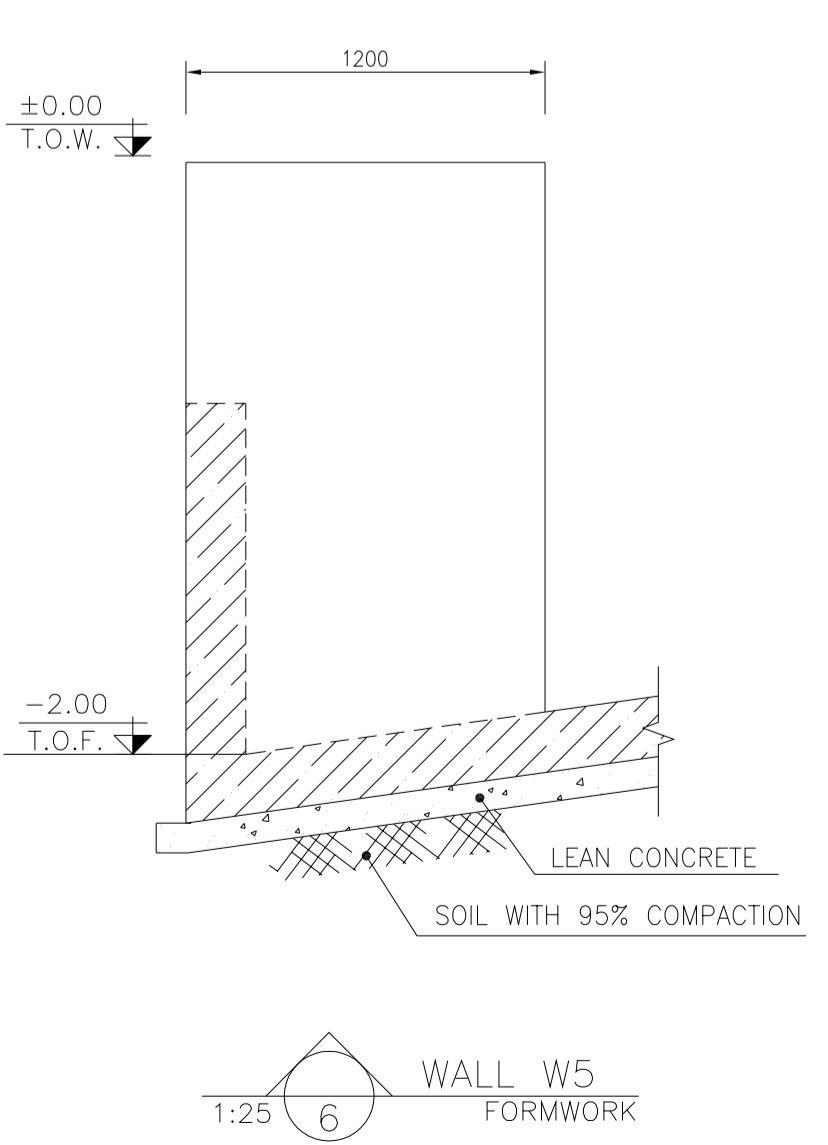
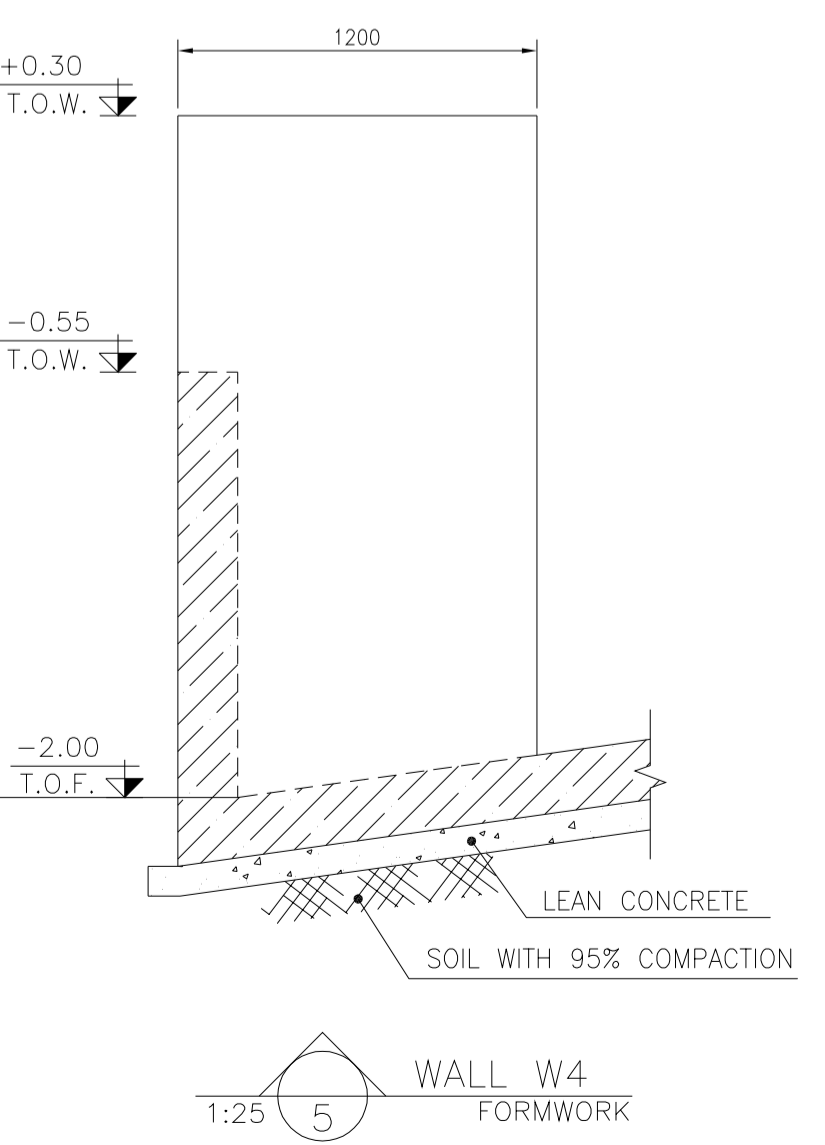
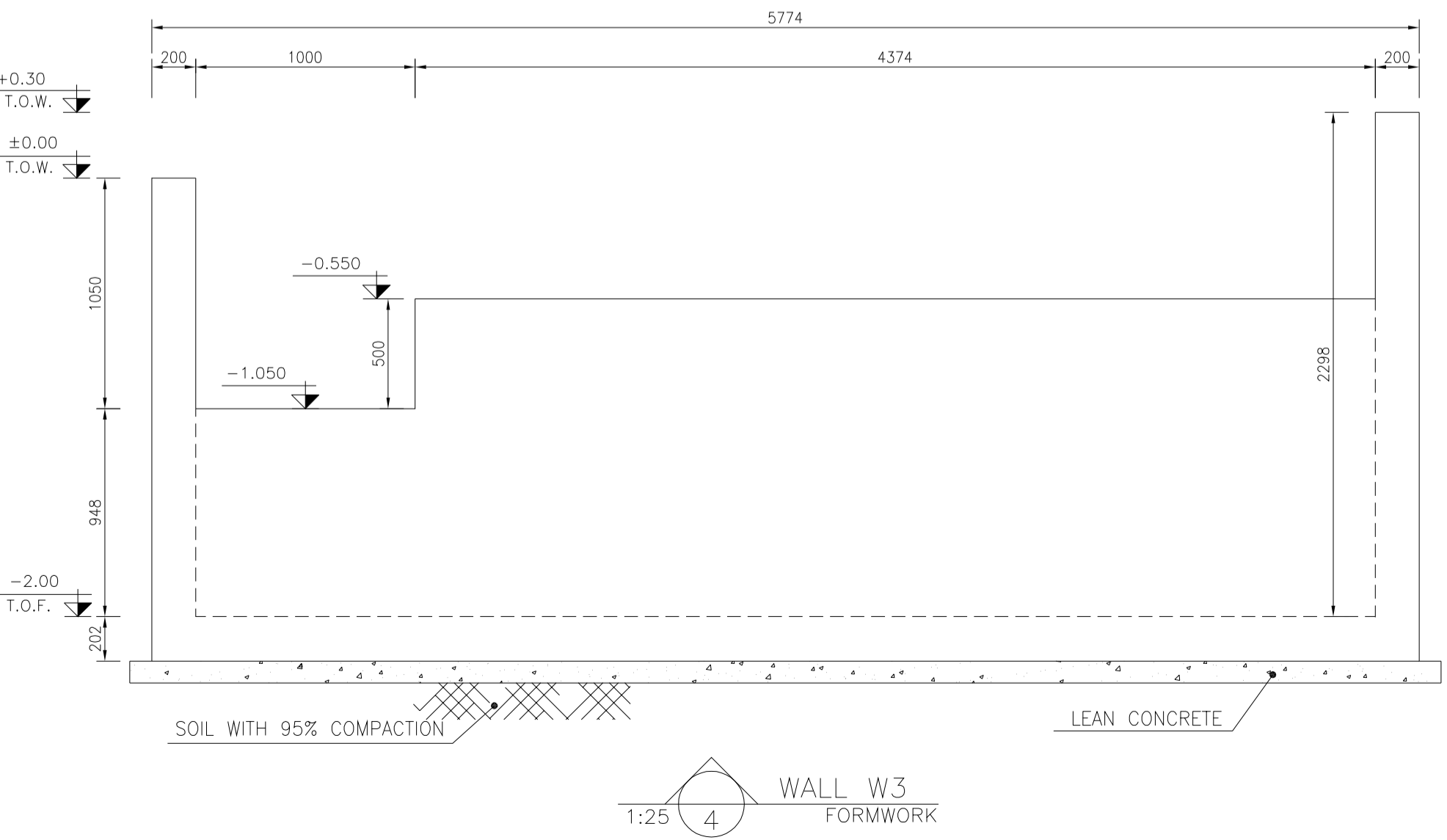
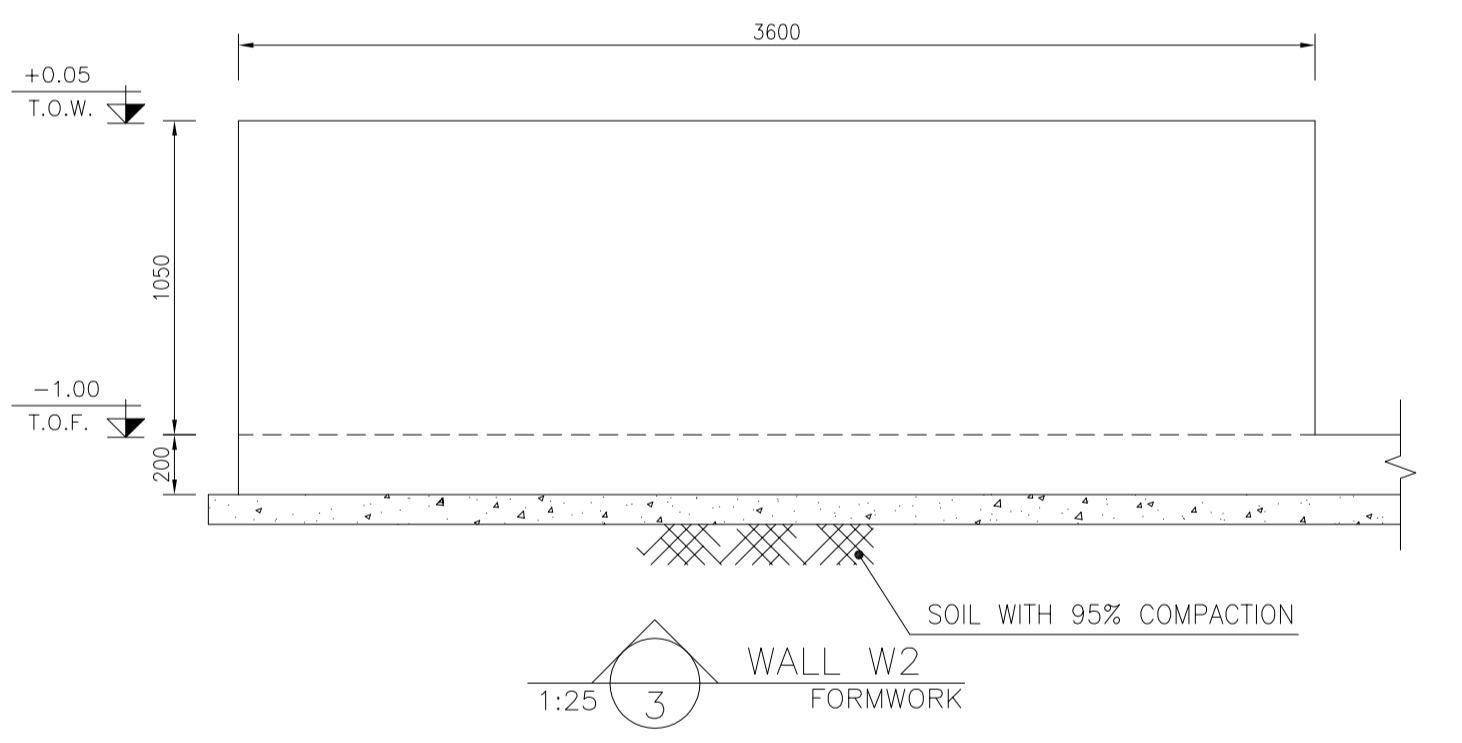
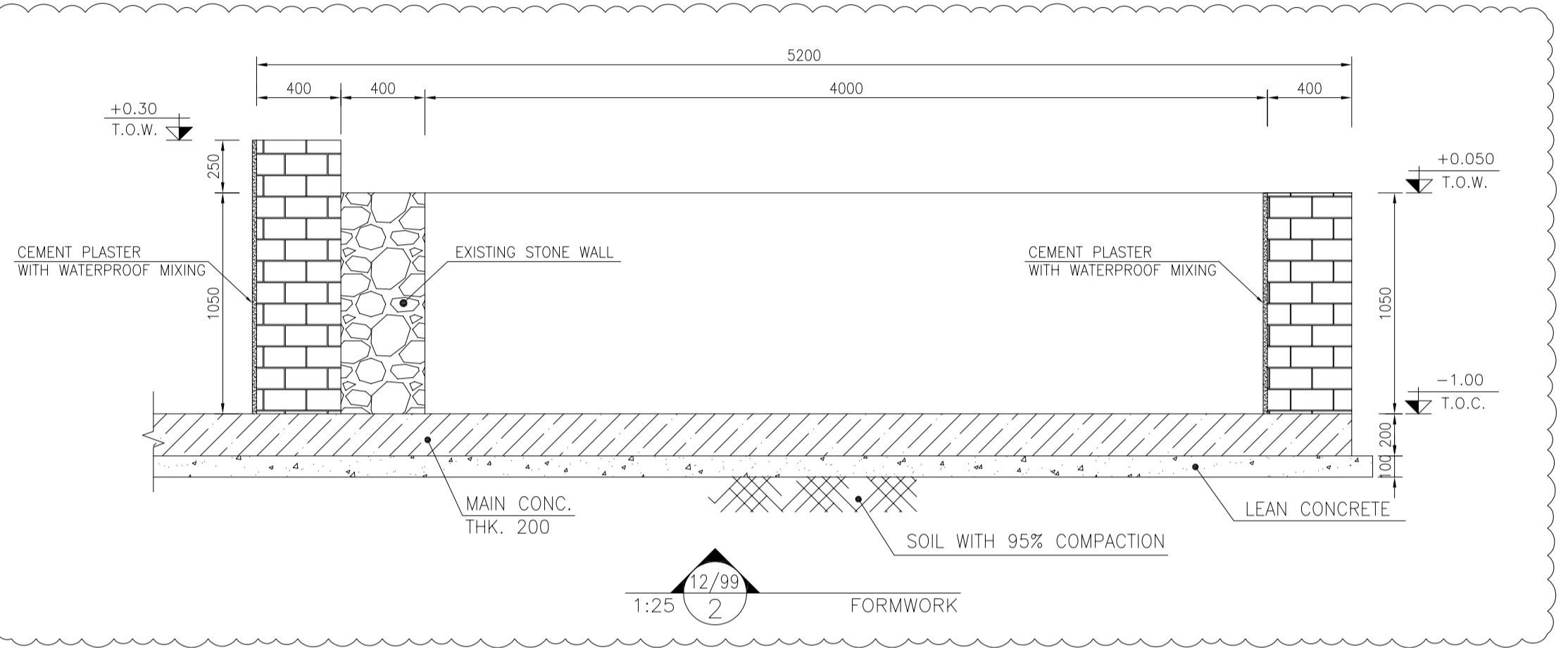
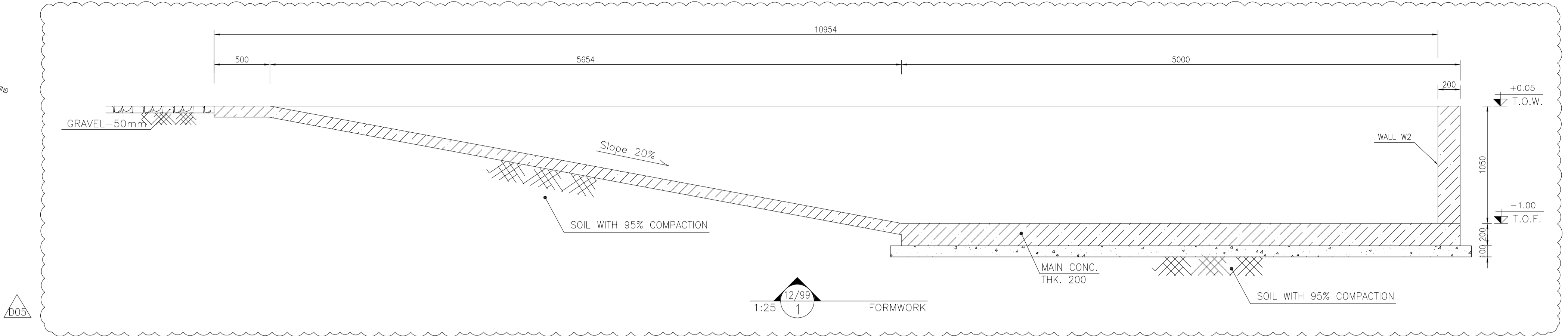
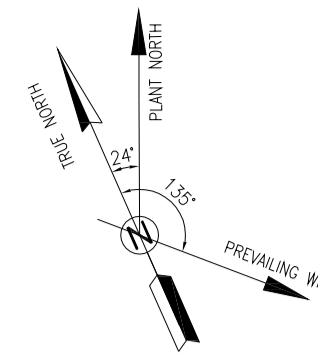
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: _____ DATE: _____



BAR BENDING SCHEDULE - FUEL TANK					
Pos	Spec.	Shape	L/A	No.	T10
1	T10	12000	12.00	72	864.0
2	T10	9500	9.50	24	228.0
3	T10	4600	4.60	24	14.40
4	T10	3000-12000	Var	20	150.00
5	T10	150 8250	8.40	26	218.40
6	T10	4900	4.90	42	205.80
7	T10	3500	3.50	6	21.00
8	T10	150 1100	1.25	18	22.50
9	T10	5600	5.60	6	33.60
10	T10	4400	4.40	3	13.20
11	T10	150 1500	1.65	22	36.30
12	T10	150 1100	1.25	6	7.50
13	T10	150 2200	2.35	6	14.10
14	T10	150 1900	2.05	6	12.30
15	T10	1100	1.10	21	23.10
TOTAL LENGTH OR AREA (m)					1864.20
UNIT WEIGHT (Kg/m)					0.617
WEIGHT (Kg)					1150.22
GRAND TOTAL (Kg)					1160

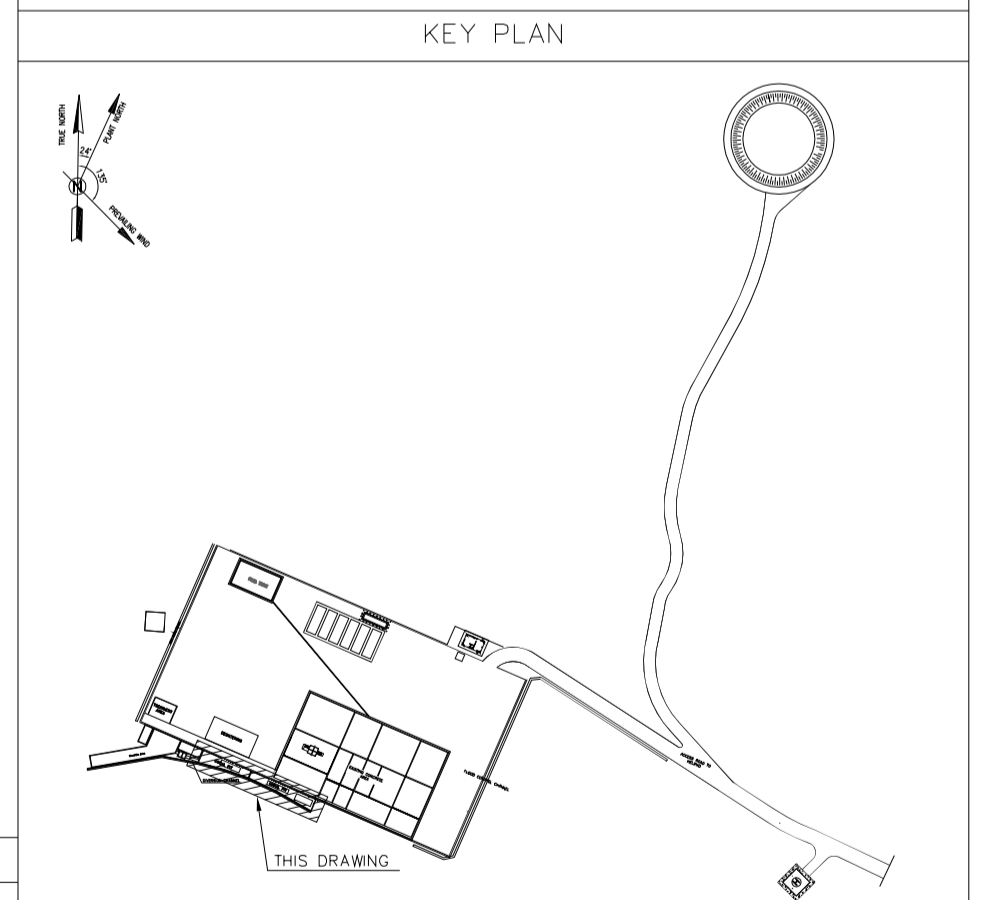
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC 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.

LEGEND AND ABBREVIATION

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

REFERENCE DRAWING

SPECIFICATION FOR FENCE & GATE	DRG. No.
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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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

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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 SECTION 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	13 OF 99	D05	053-073-9184	F	4	S	708209	13	D05

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.

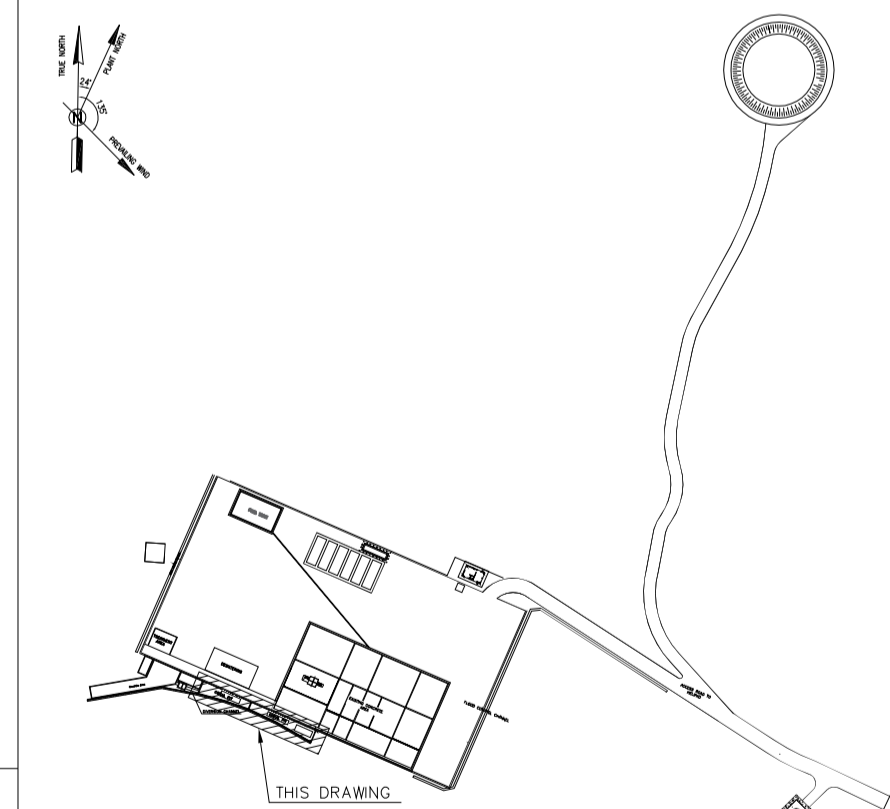
±0.00 = +186.00(R.G.L.)MSL

LEGEND AND ABBREVIATION

	REINFORCED CONCRETE	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	T.O.W.	TOP OF WALL
	CEMENT BLOCK WALL	T.O.C.	TOP OF CONCRETE
	GRAVEL	B.O.C.	BOTTOM OF CONCRETE
	SUB GRADE	T.O.PIT	TOP OF PIT
	SLOPE	B.O.P.	BOTTOM OF PIPE
	GRAVEL	R.G.L.	ROUGH GRADING LEVEL
	SLOPE	T.O.CH.	TOP OF CHANNEL
	GRAVEL	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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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 SWICHEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWICHEAR 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



REV.	DESCRIPTION	BY	DATE	BY	DATE
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI
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

این رسم و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.
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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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

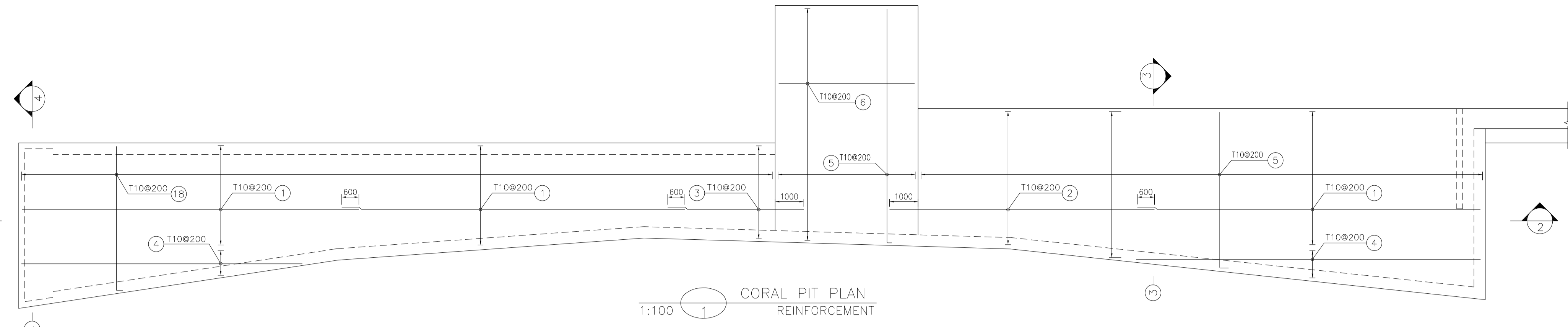
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

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	14 OF 99	D05	053-073-9184	F	4	S	708209	14	D05

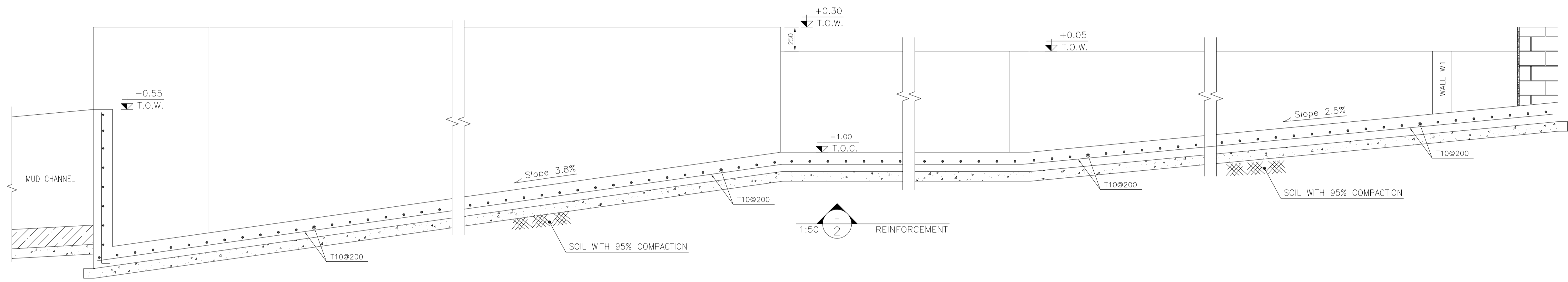
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

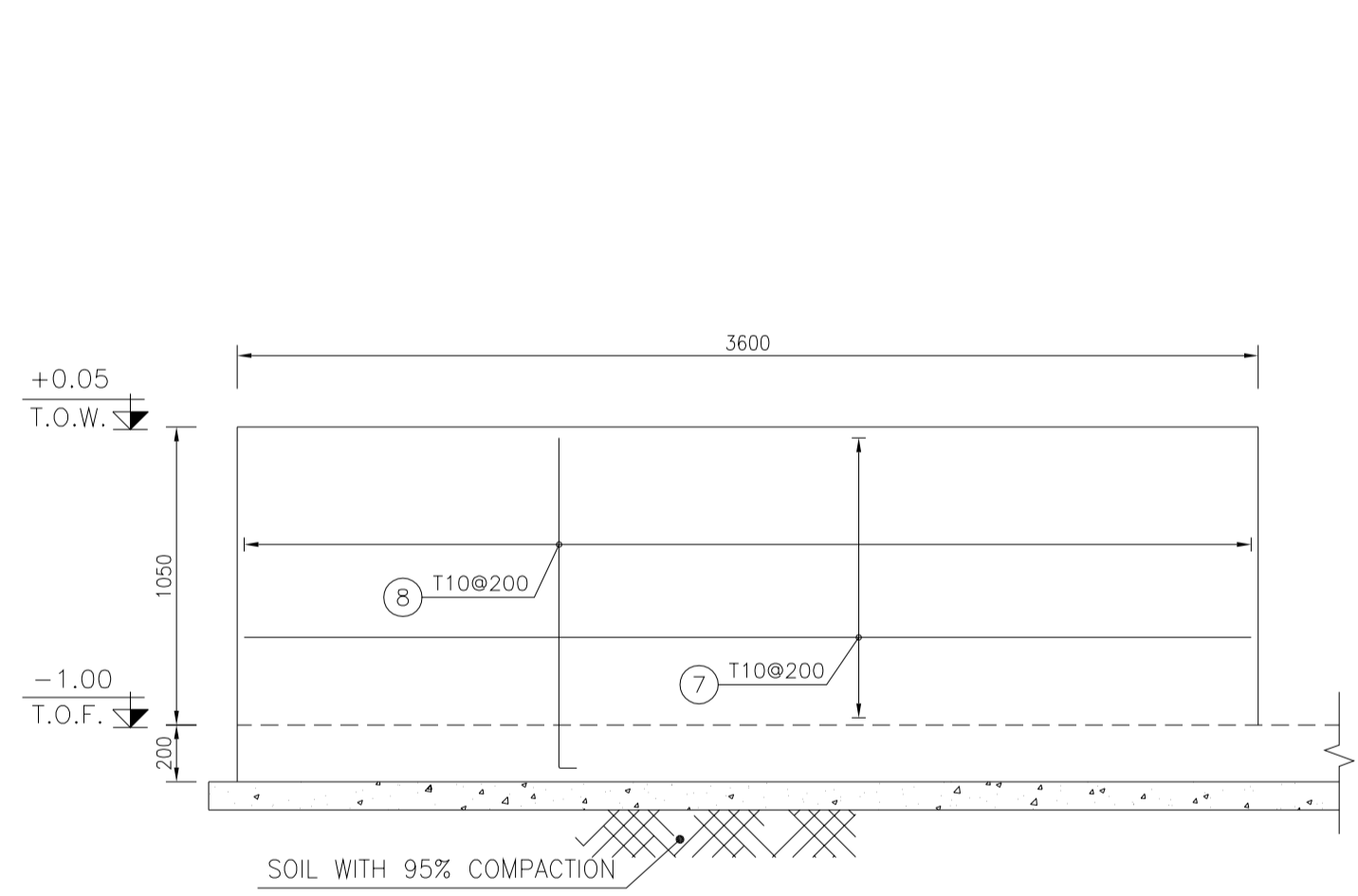
APPROVED FOR CONSTRUCTION	BY:	DATE:



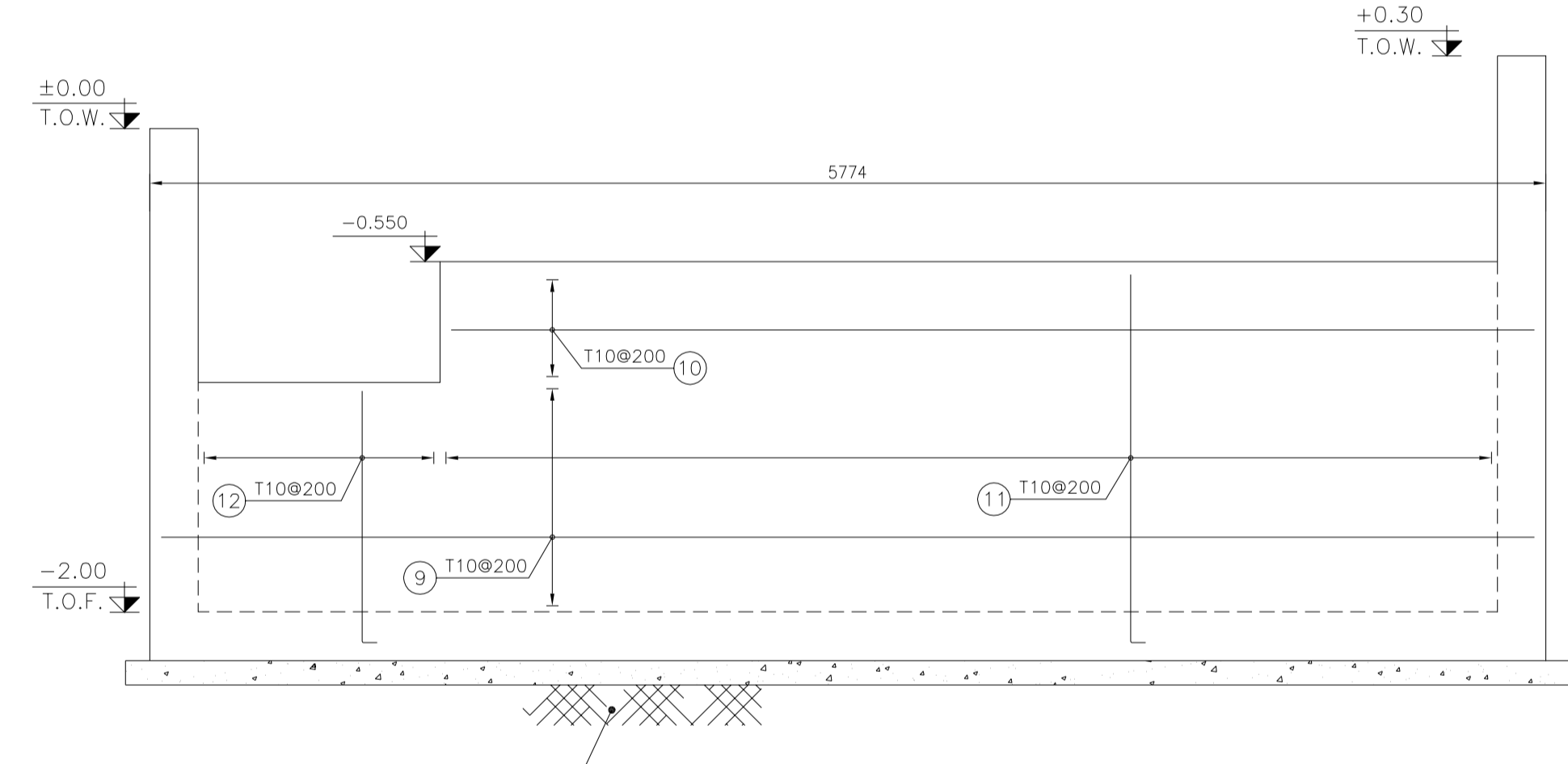
1:100 CORAL PIT PLAN REINFORCEMENT



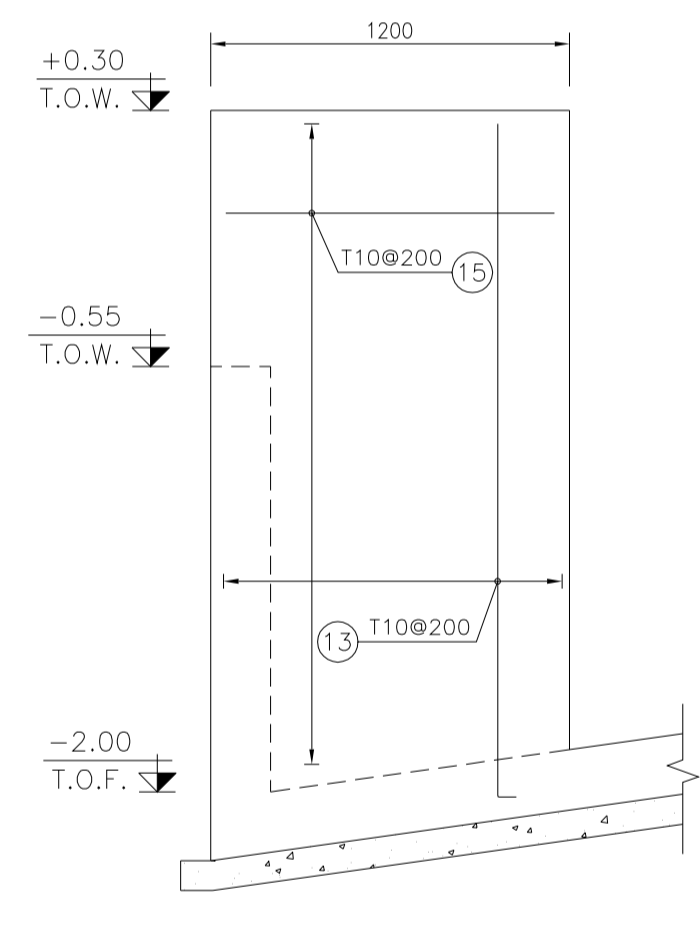
1:50 REINFORCEMENT



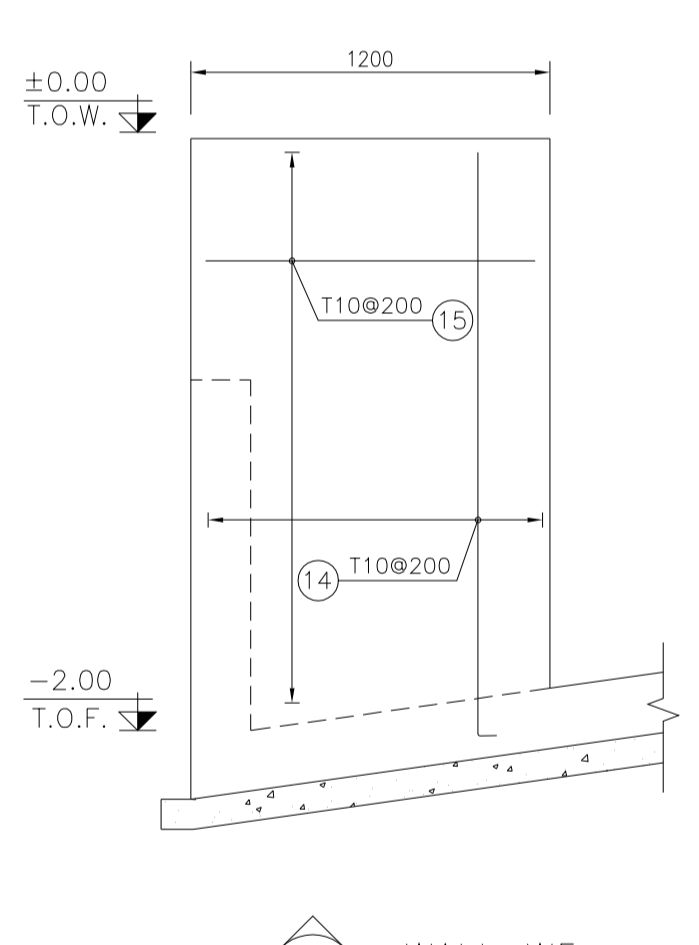
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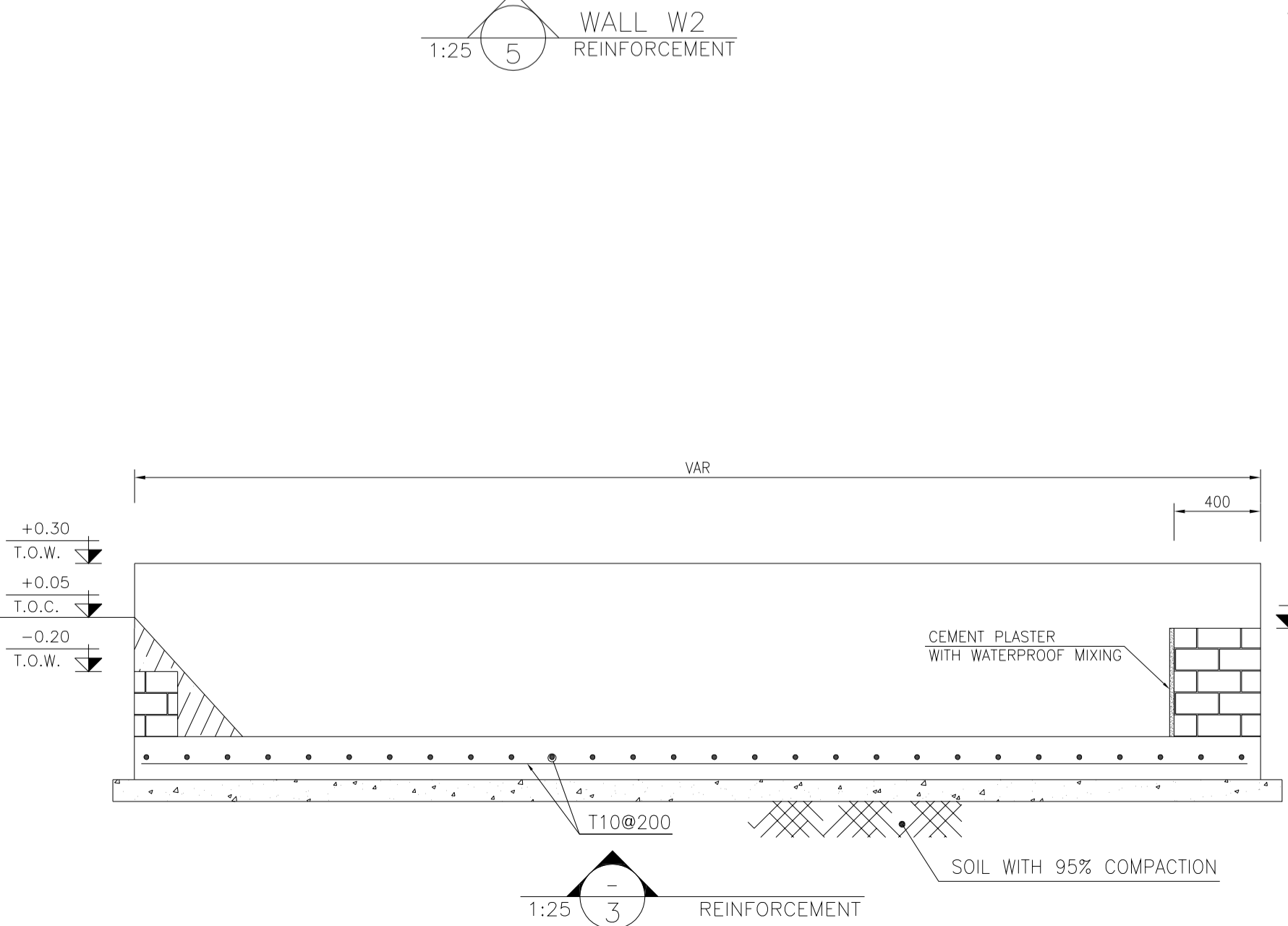
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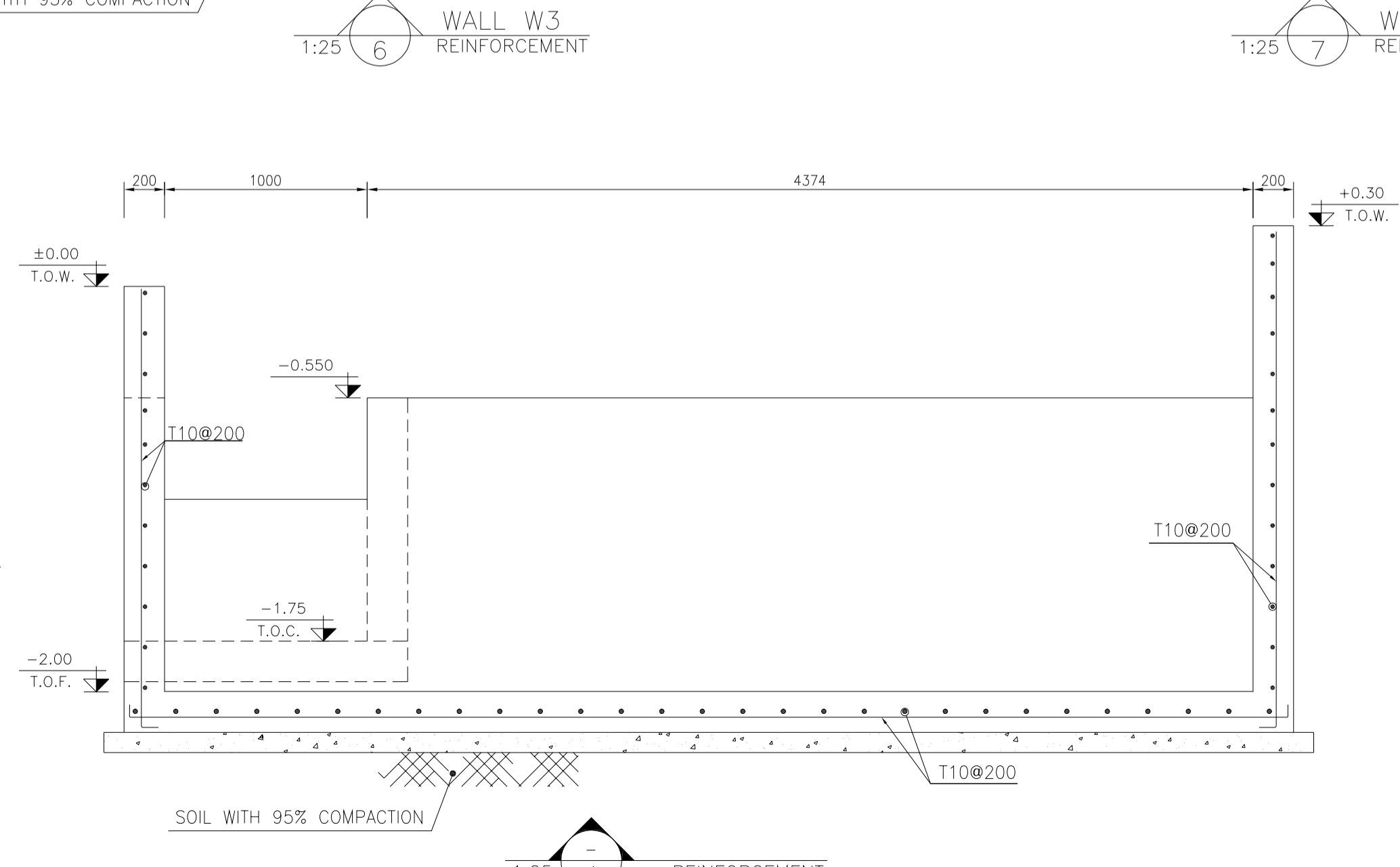
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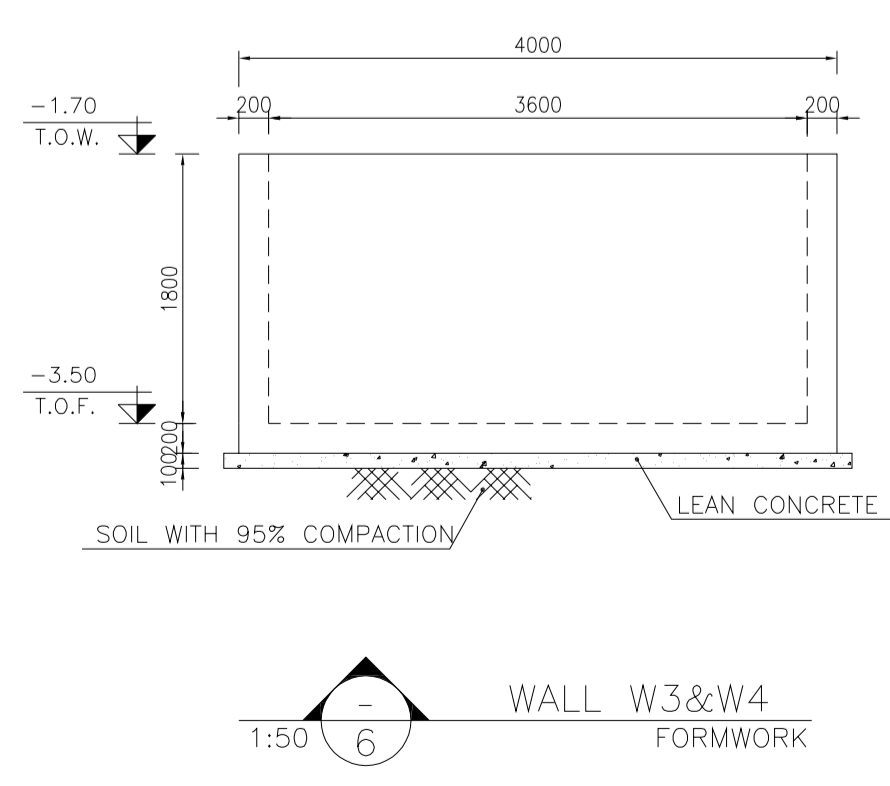
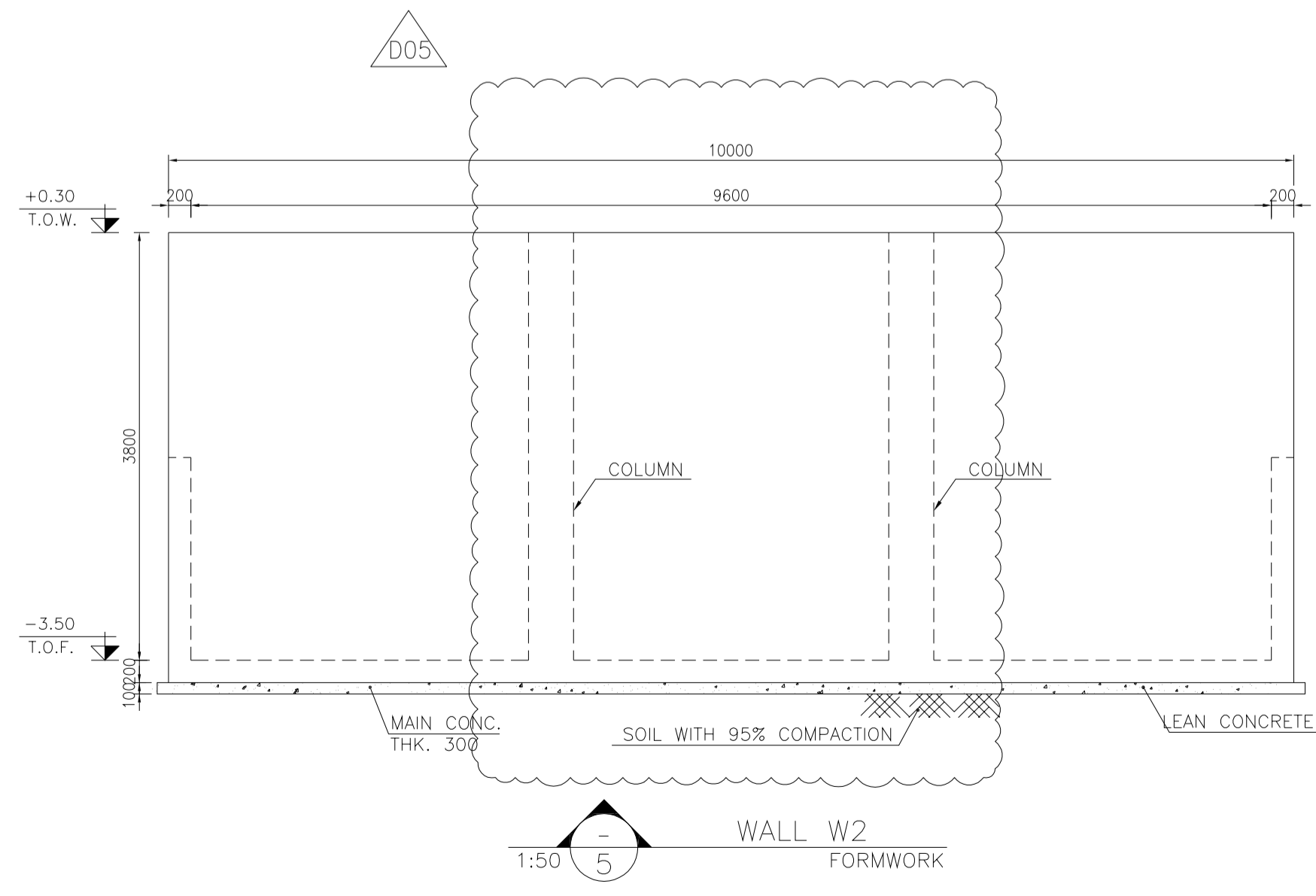
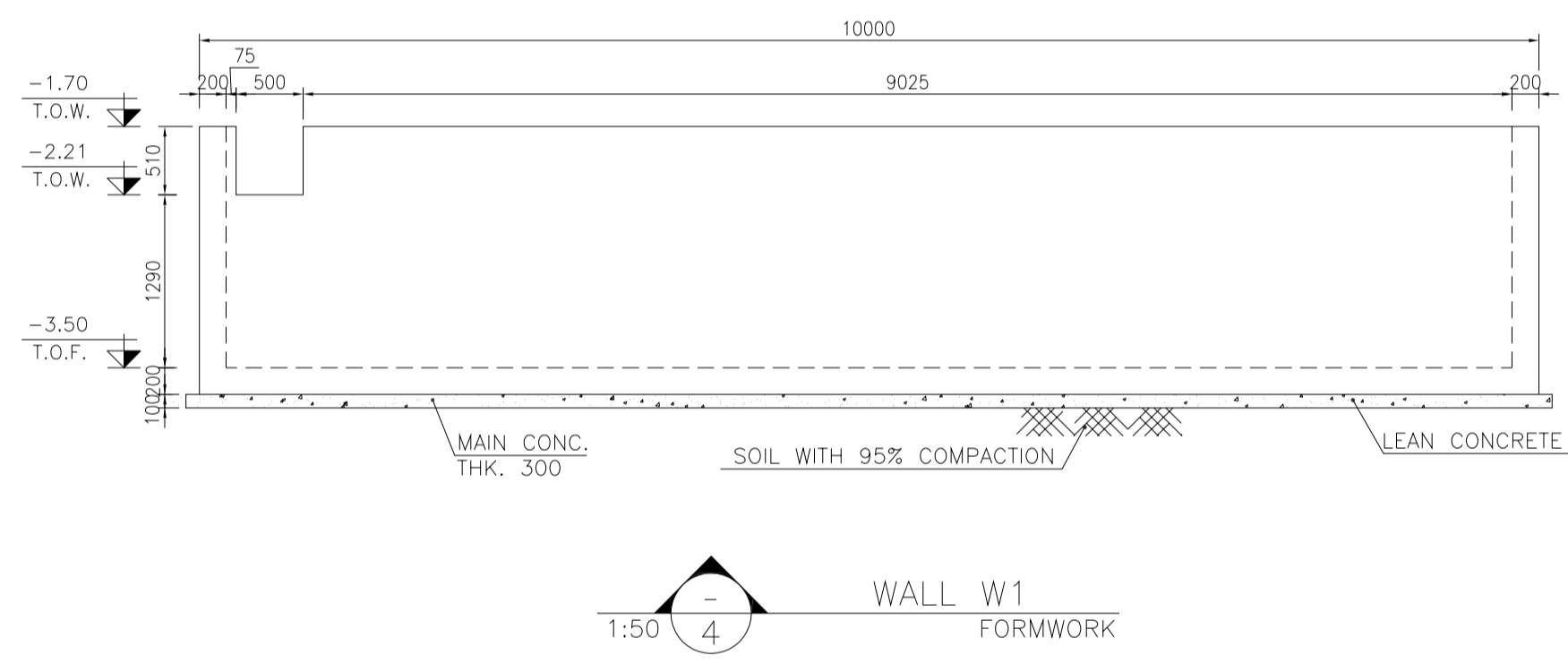
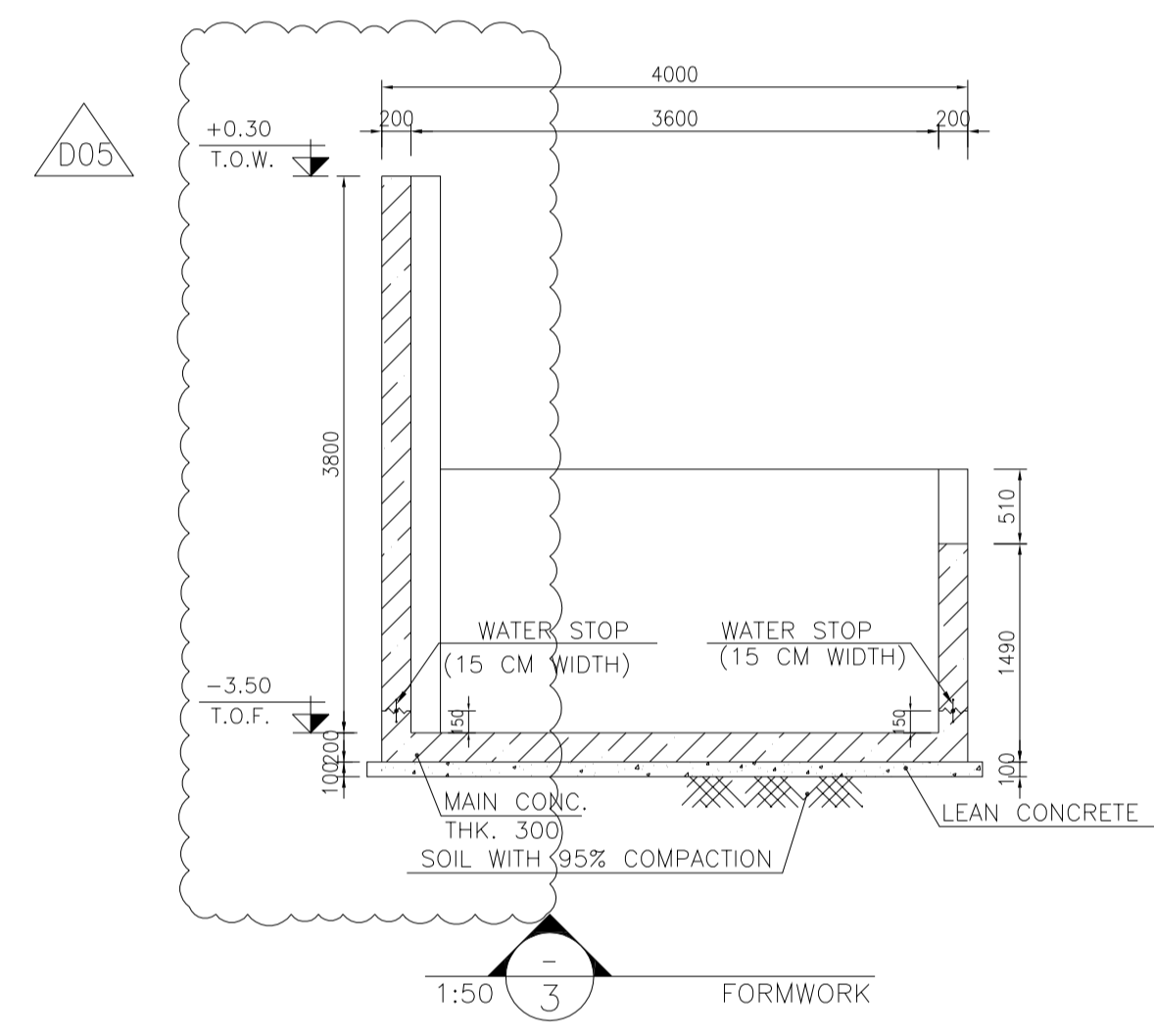
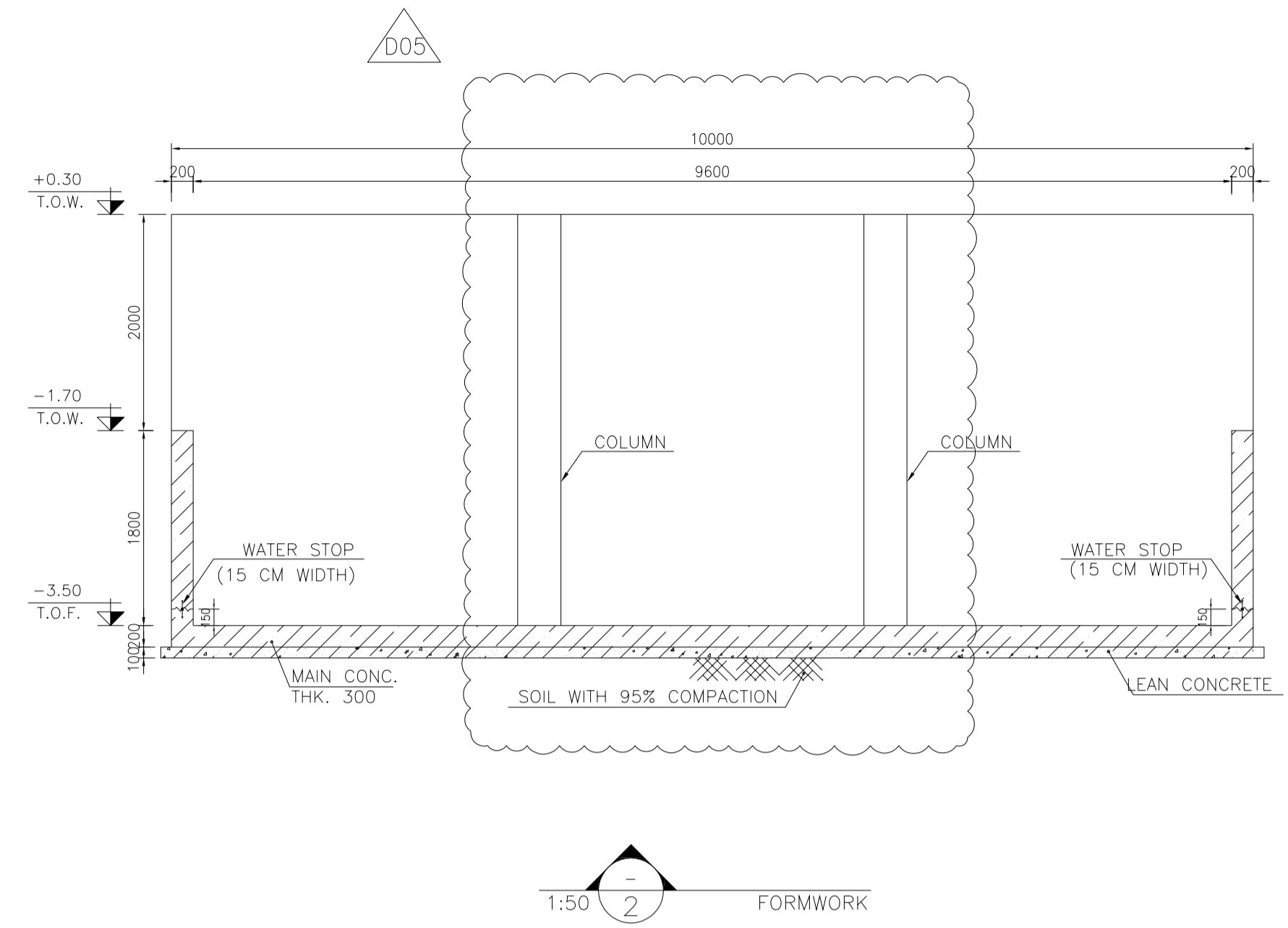
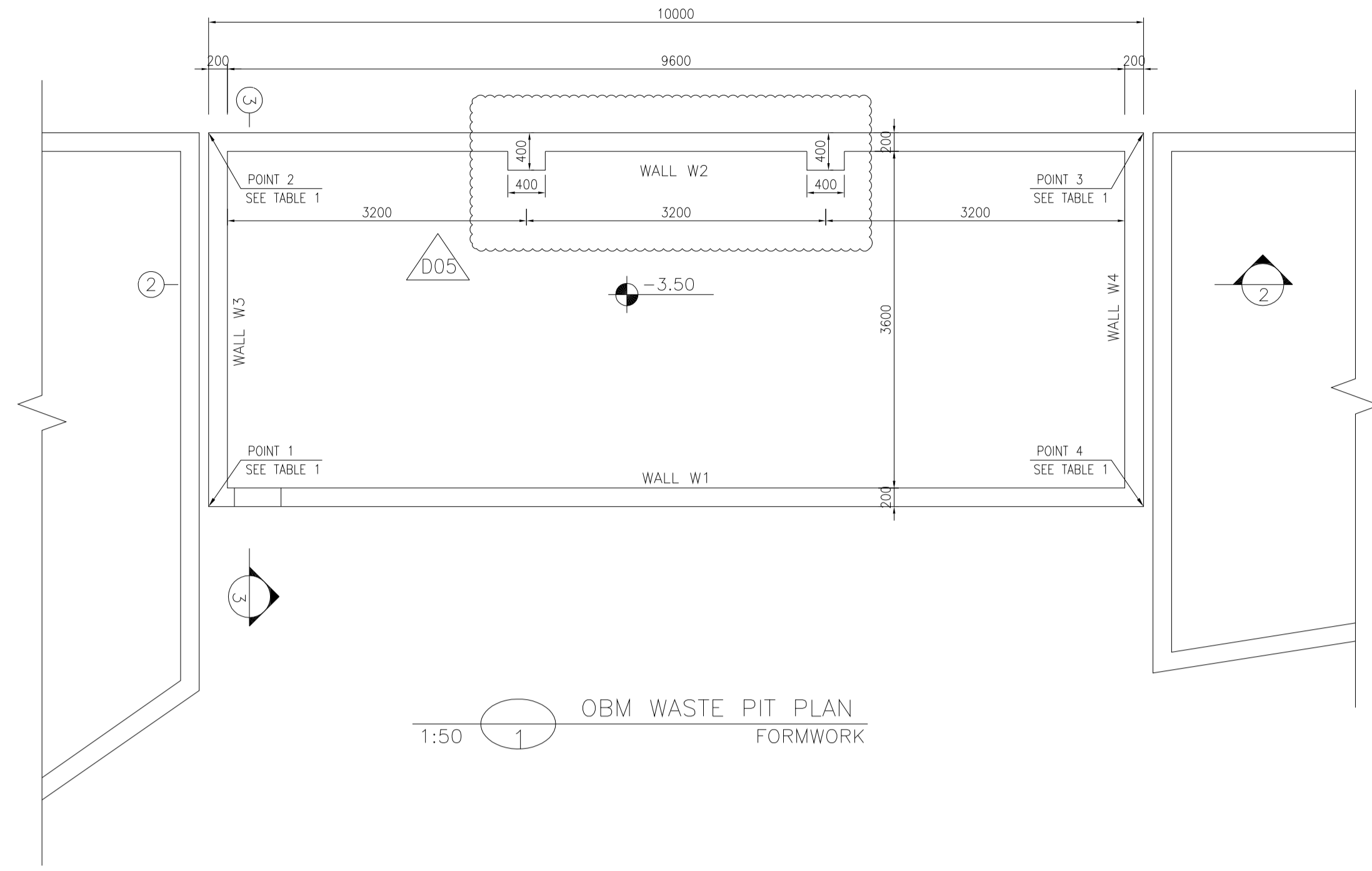
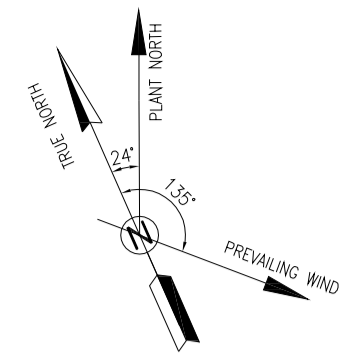
1:25 WALL W5 REINFORCEMENT



1:25 WALL W1 REINFORCEMENT



1:25 WALL W6 REINFORCEMENT



- 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	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	T.O.W.	TOP OF WALL
	CEMENT BLOCK WALL	T.O.C.	TOP OF CONCRETE
	GRAVEL	B.O.C.	BOTTOM OF CONCRETE
	SUB GRADE	T.O.PIT	TOP OF PIT
	SLOPE	B.O.P.	BOTTOM OF PIPE
	GRAVEL	R.G.L.	ROUGH GRADING LEVEL
		T.O.CH.	TOP OF CHANNEL
		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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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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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

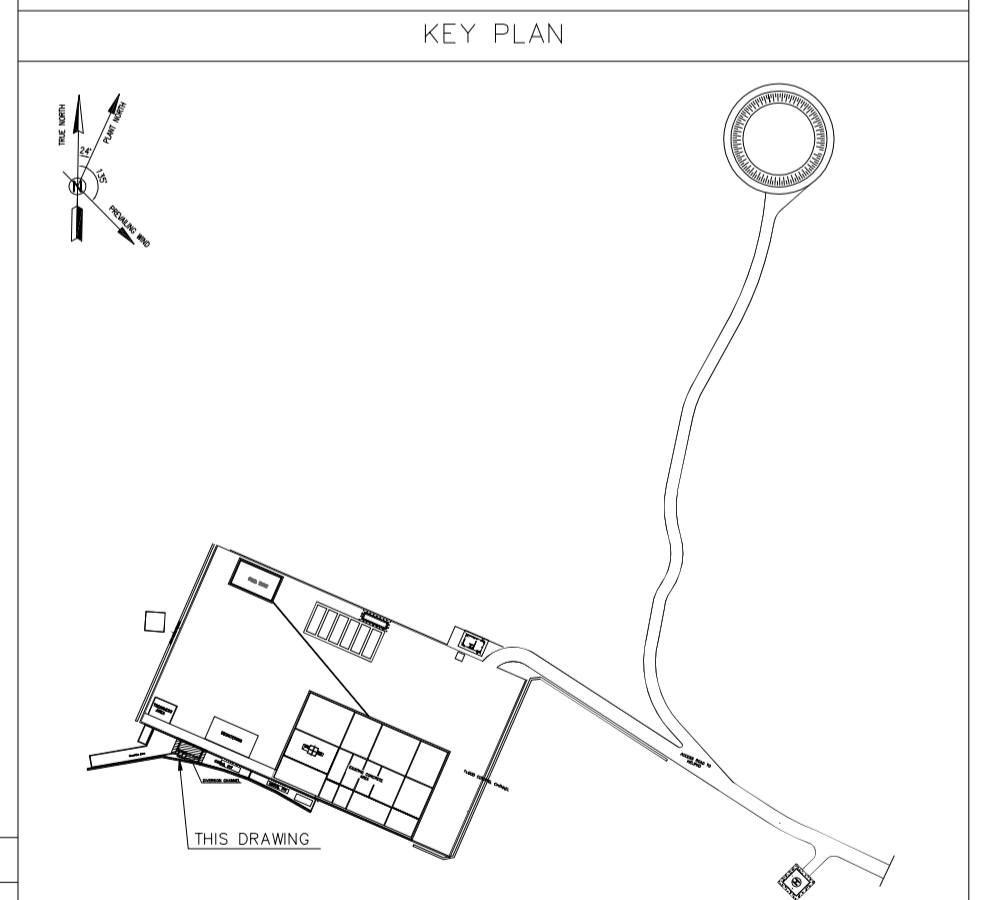


TABLE 1 (CORNERS COORDINATES)

POINT	E	N
POINT 1	E=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.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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

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

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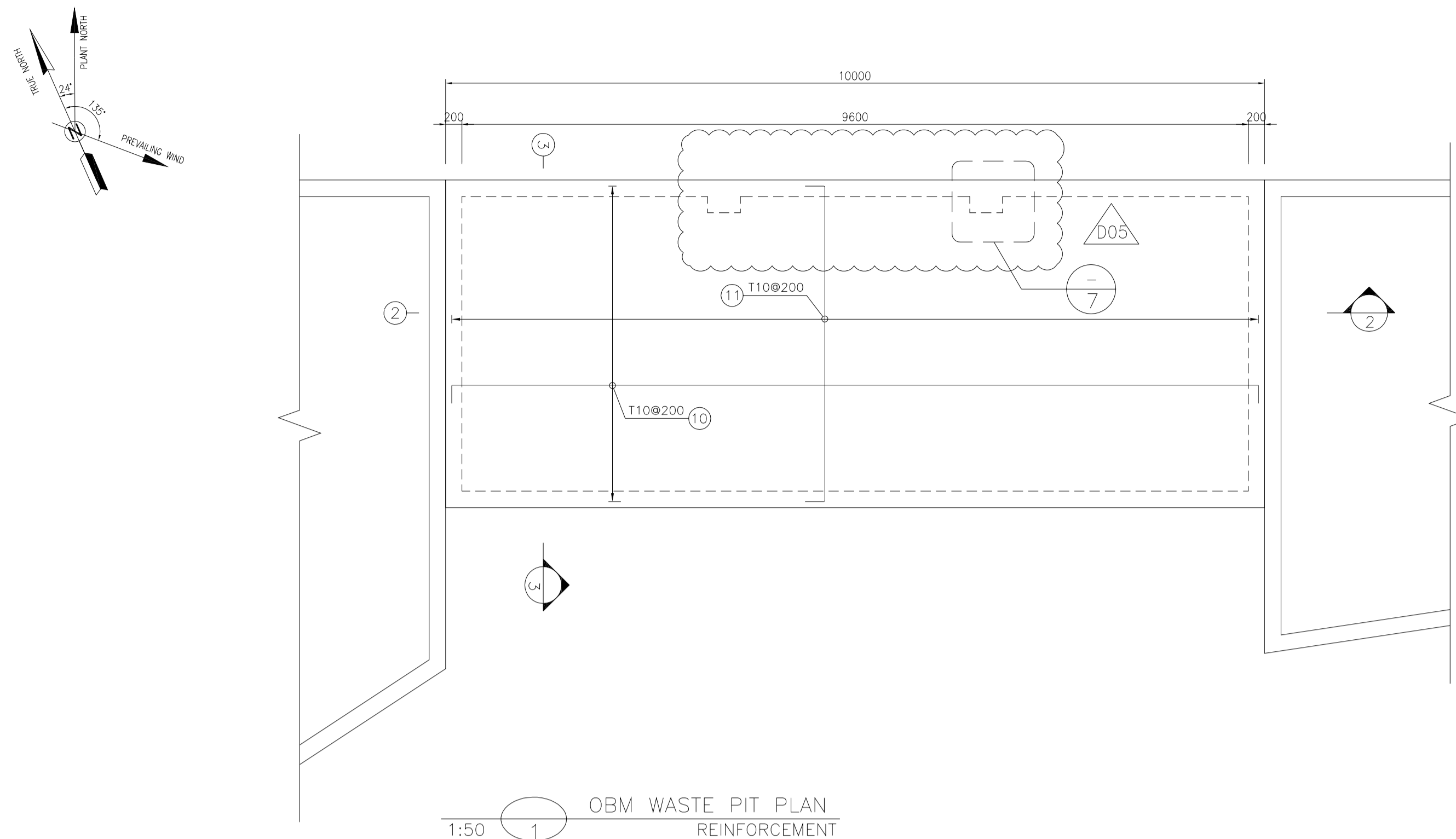
BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

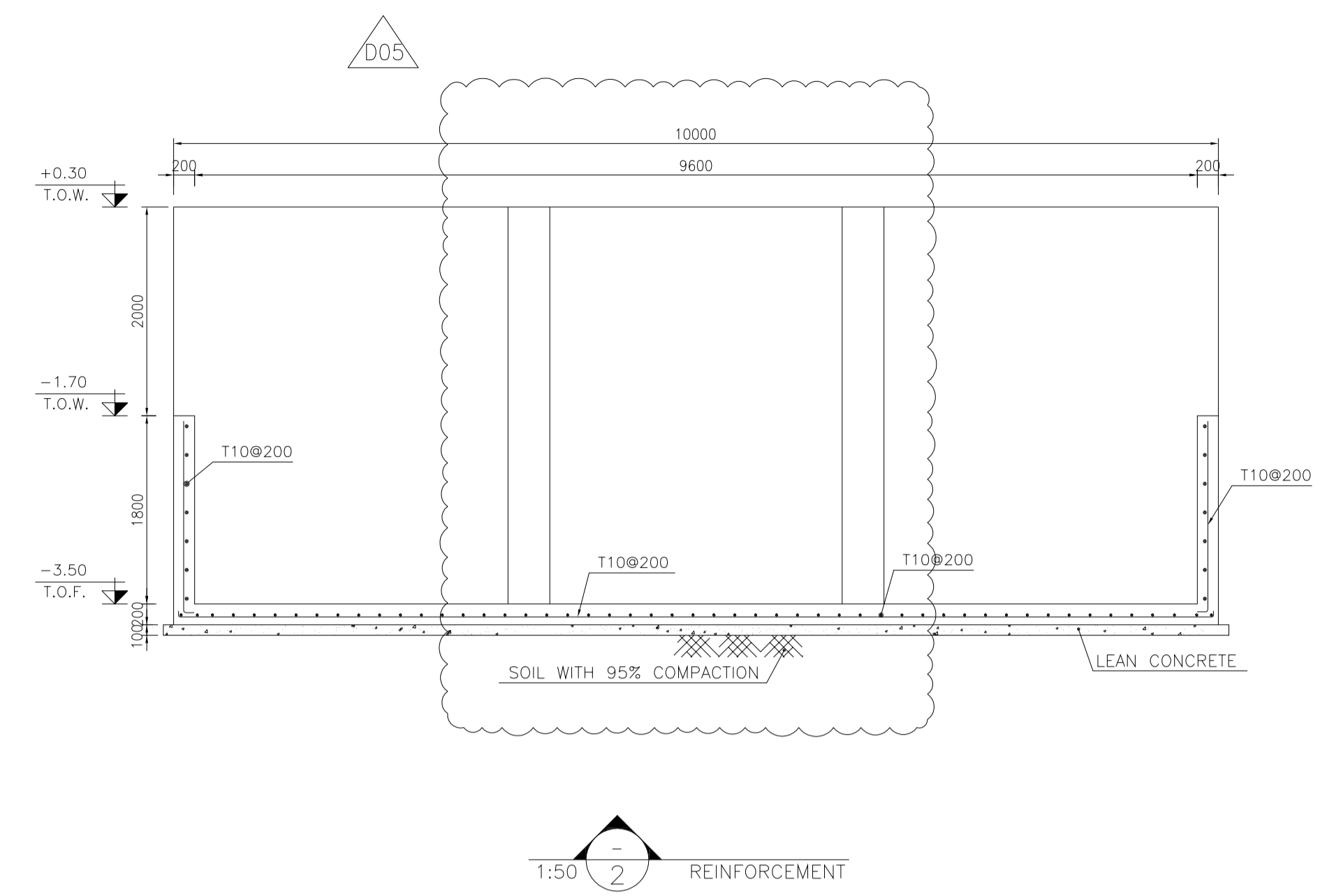
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS-BK14 OBM WASTE PIT FORMWORK PLAN-SECTION

APPROVED FOR CONSTRUCTION BY: DATE:

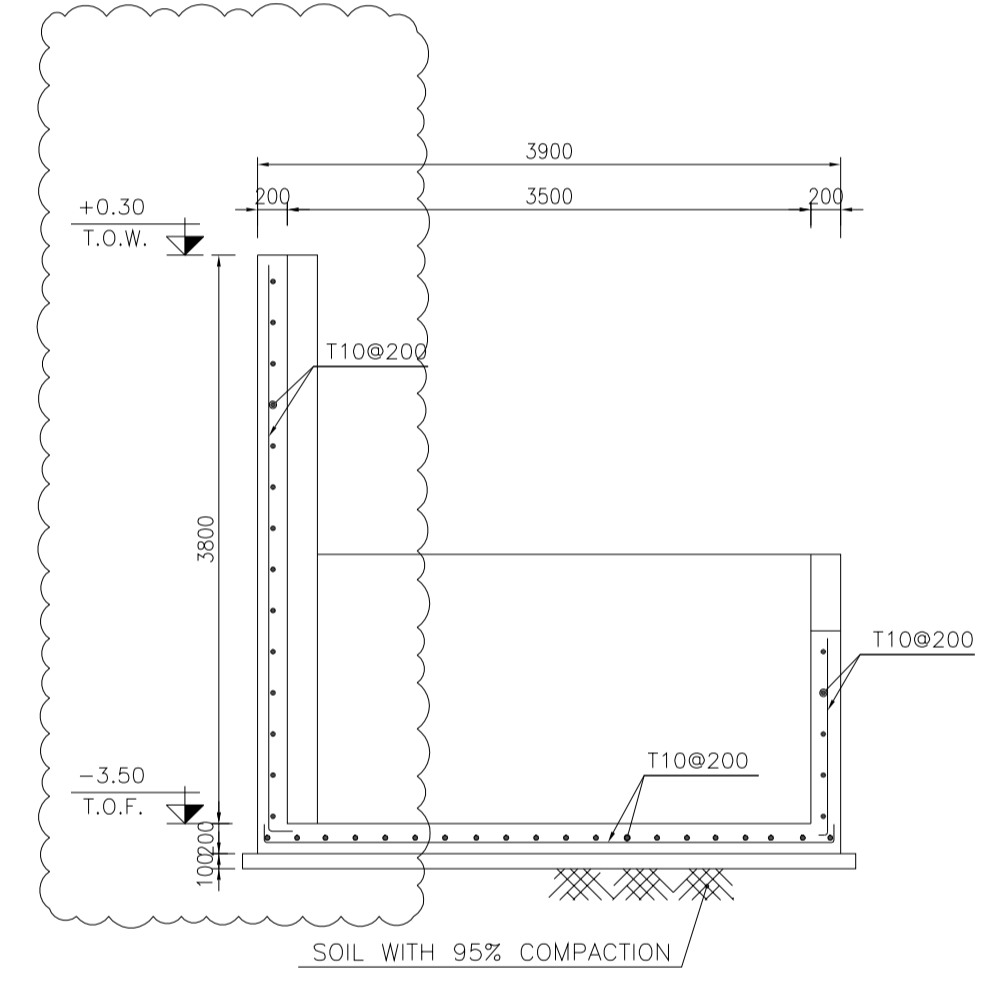
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	15 OF 99	D05	053-073-9184	F	4	S	708209	15	D05



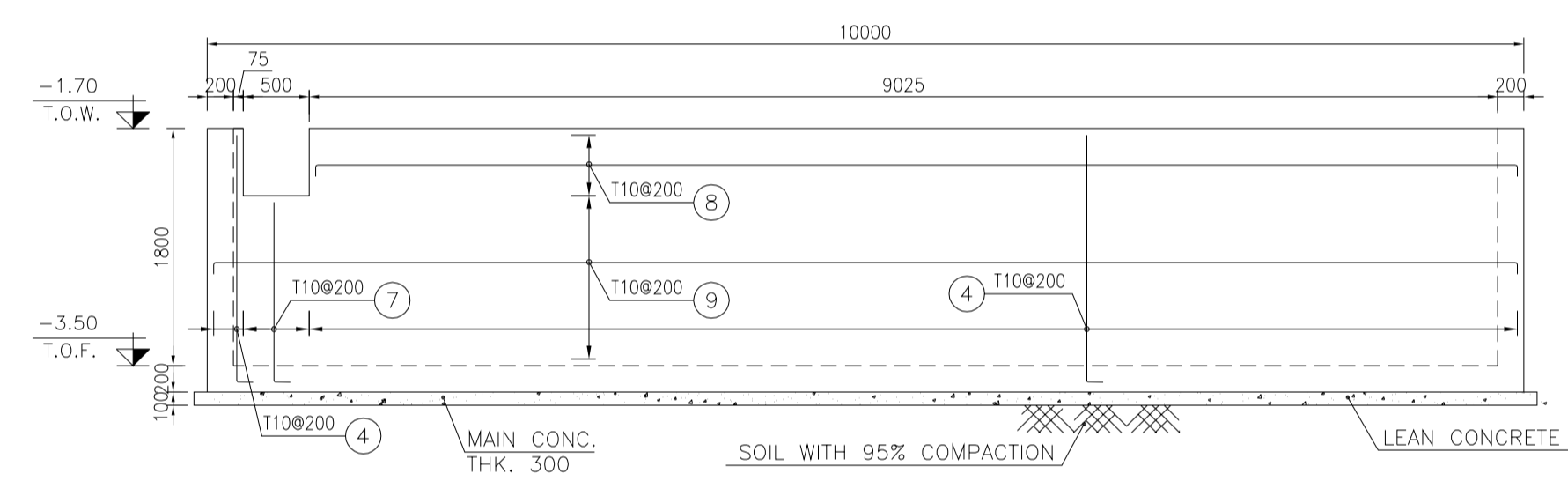
1:50 OBM WASTE PIT PLAN REINFORCEMENT



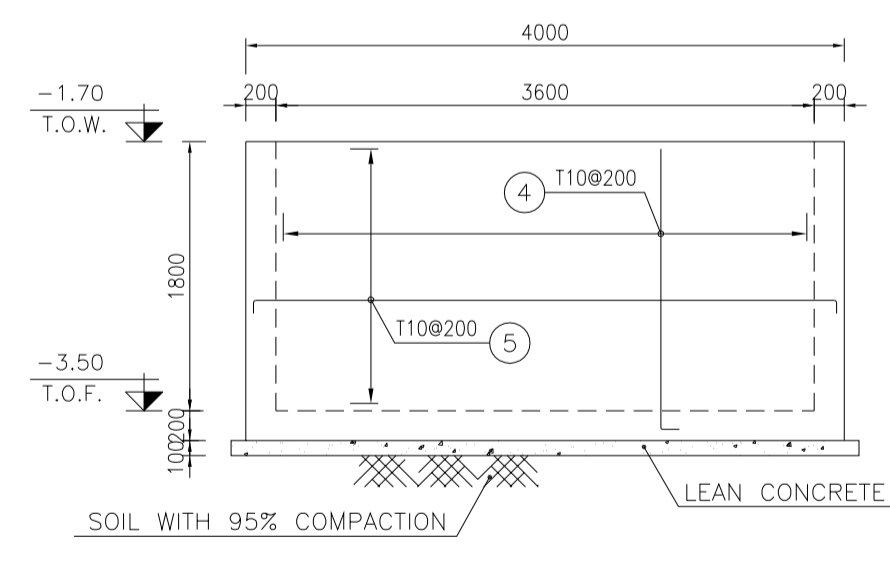
1:50 REINFORCEMENT



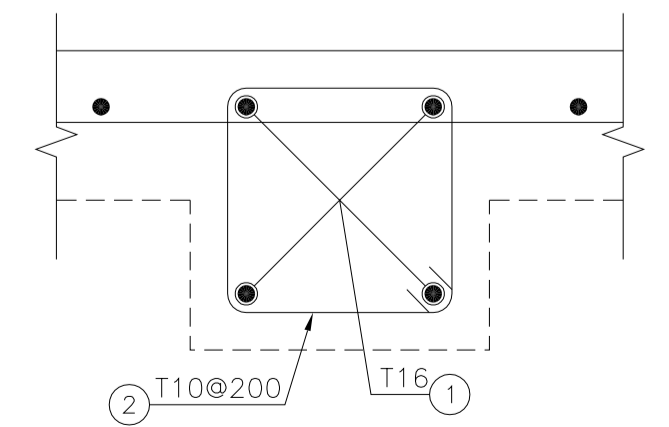
1:50 REINFORCEMENT



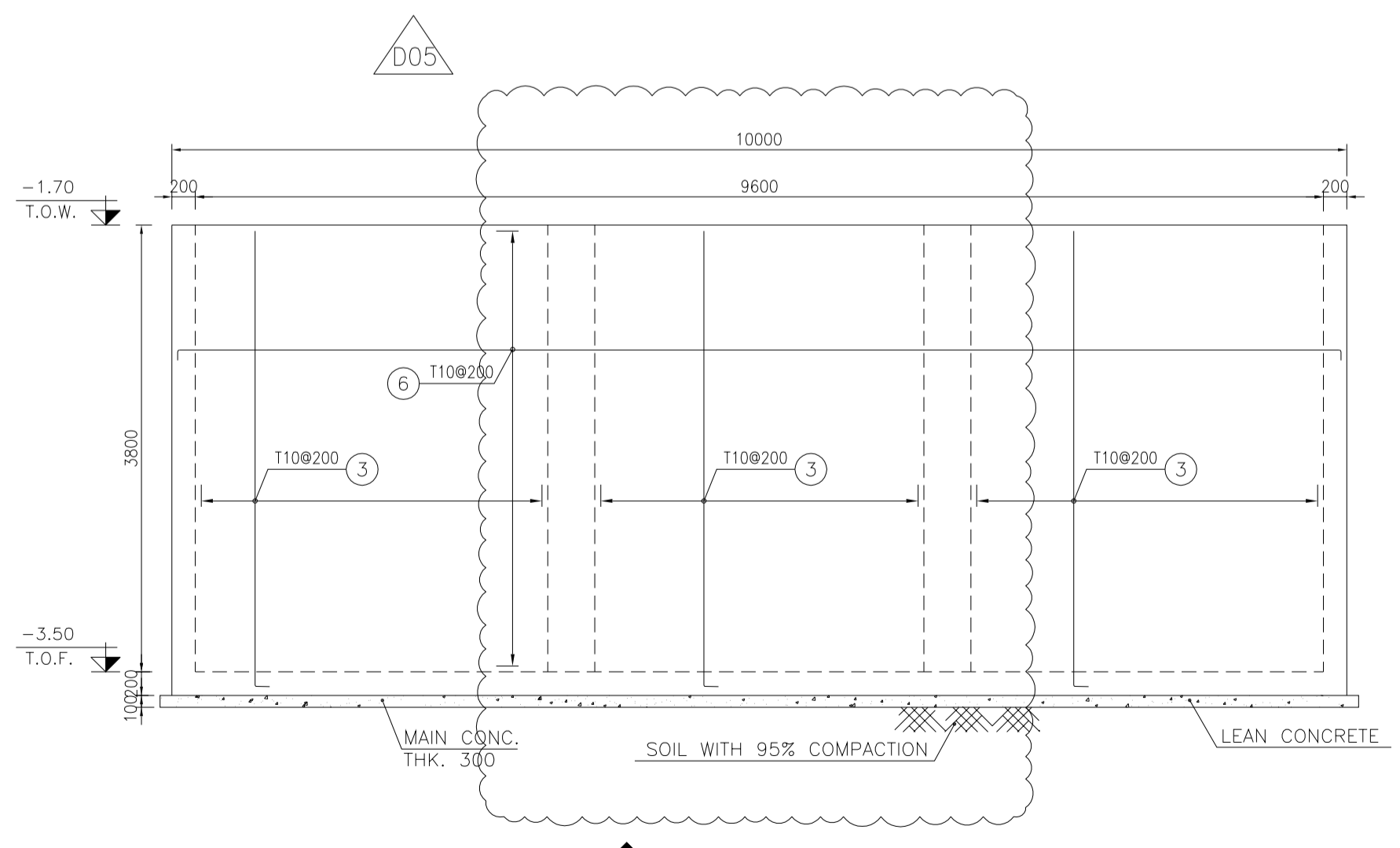
1:50 WALL W3 & W4 REINFORCEMENT



1:50 WALL W2 REINFORCEMENT



1:10 REINFORCEMENT



1:50 WALL W2 REINFORCEMENT

- NOTES**
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 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
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 - 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
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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

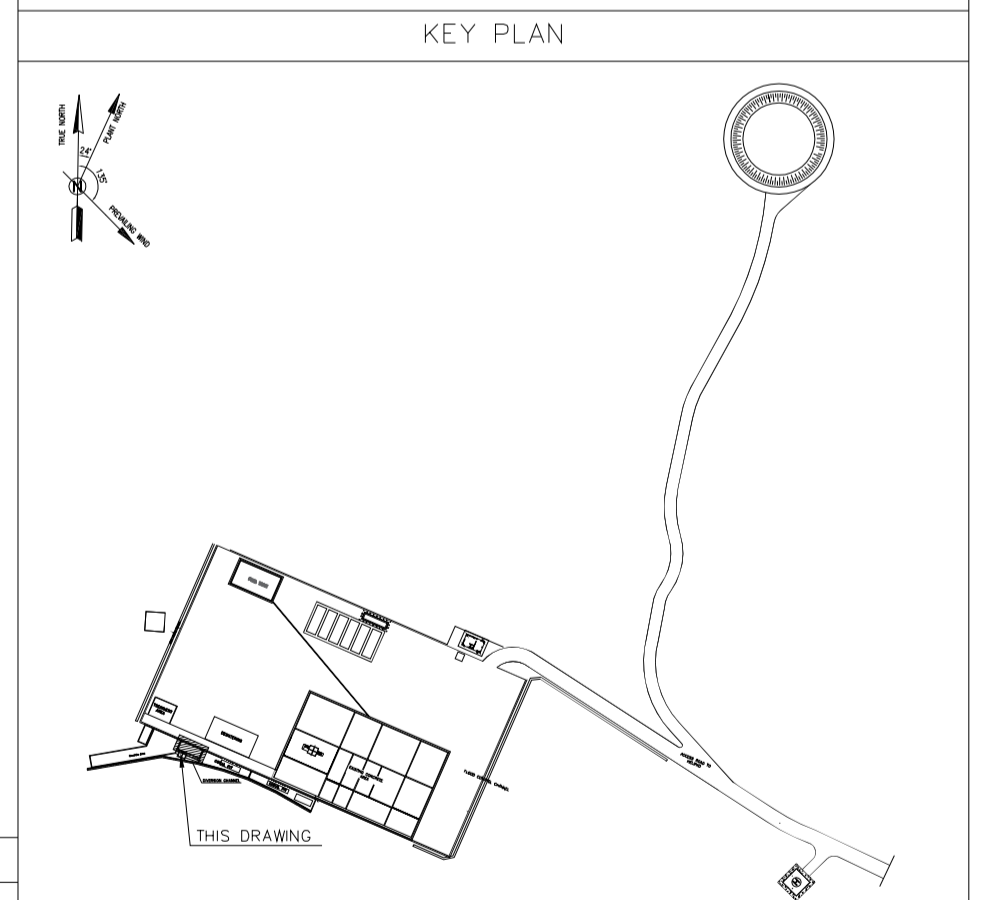
LEGEND AND ABBREVIATION

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

REFERENCE DRAWING

SPECIFICATION FOR FENCE & GATE	DRG. No.
STANDARD DRAWING FOR FENCE & GATE DETAILS	BK-GNRL-PEDCO-000-CV-SP-0003
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GENERAL NOTES - REINFORCED CONCRETE STRUCTURES	BK-GNRL-PEDCO-000-ST-DW-0011
GENERAL CIVIL LAYOUT - BK14	BK-BK14-PEDCO-110-CV-PY-0001
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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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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	T16
1	T16	200x3900	4.100	8		32.800
2	T10	300x9100	1.400	40	56.000	
3	T10	200x3900	4.100	94	385.400	
4	T10	200x1900	2.100	84	176.400	
5	T10	200x3700	4.100	20	82.000	
6	T10	200x9700	10.100	20	202.000	
7	T10	200x1400	1.600	4	6.400	
8	T10	200x9150	9.550	3	28.650	
9	T10	200x9900	10.300	8	82.400	
10	T10	200x9850	10.250	21	215.250	
11	T10	200x3850	4.250	51	216.750	
TOTAL LENGTH OR AREA (m/m ²)					1451.25	32.80
UNIT WEIGHT (Kg)					0.617	1.578
WEIGHT (Kg)					895.42	51.76
GRAND TOTAL (Kg)					947 Kg.	



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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

SCALE: AS SHOWN

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

SHEET NO.: 16 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 16

REVISION: D05

REV. DESCRIPTION BY DATE BY DATE

CHECKED

REV. APPR.

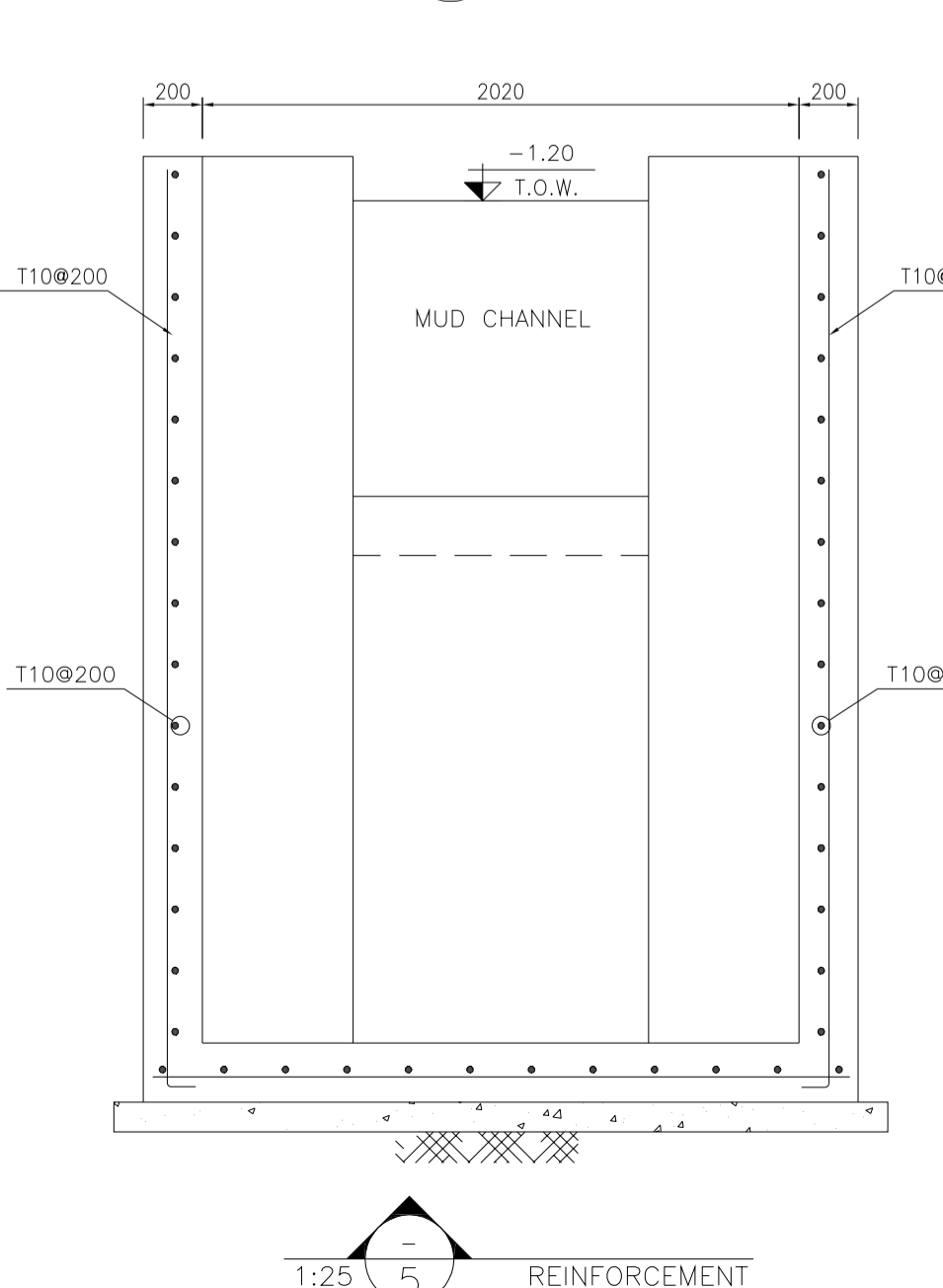
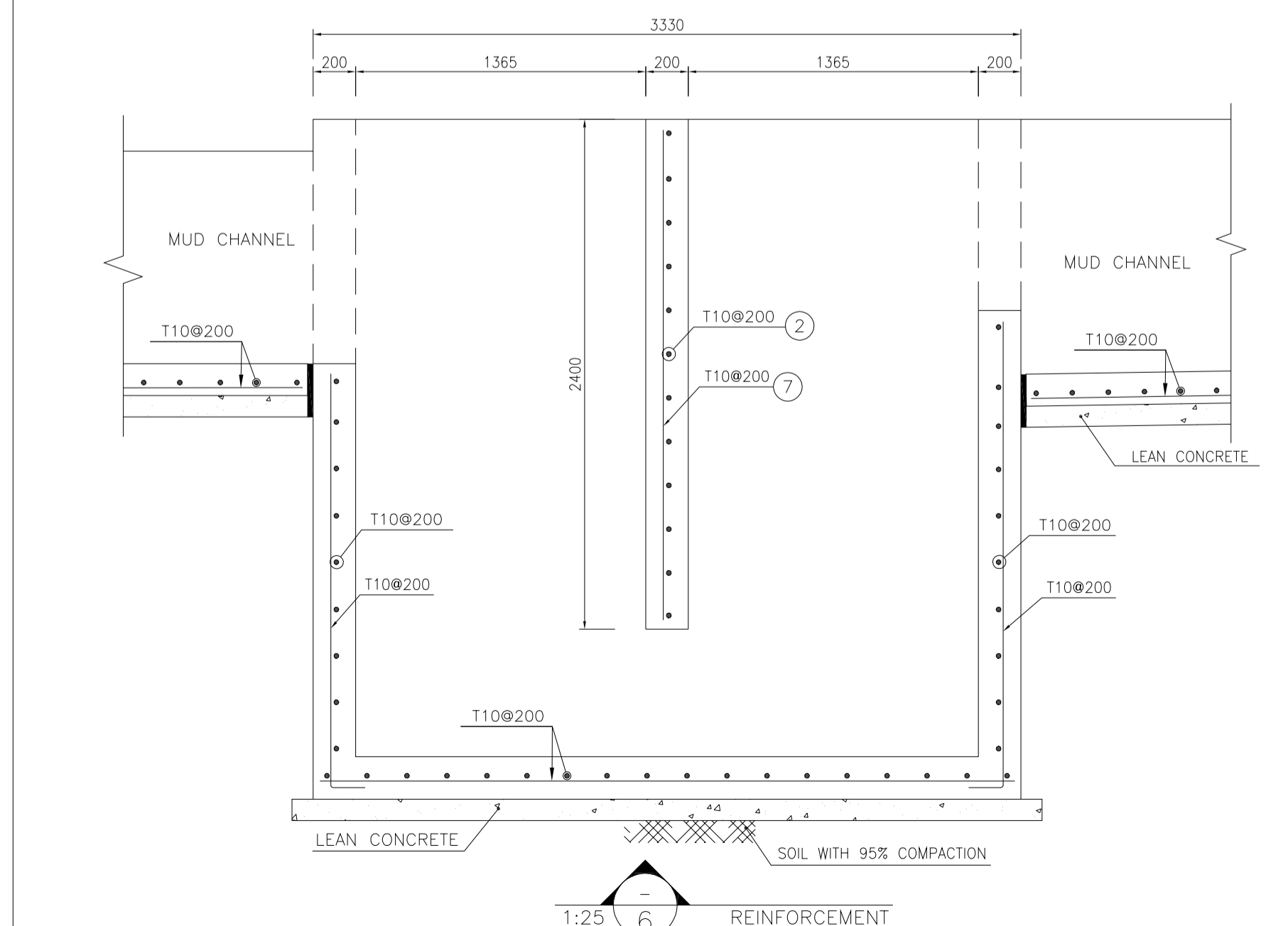
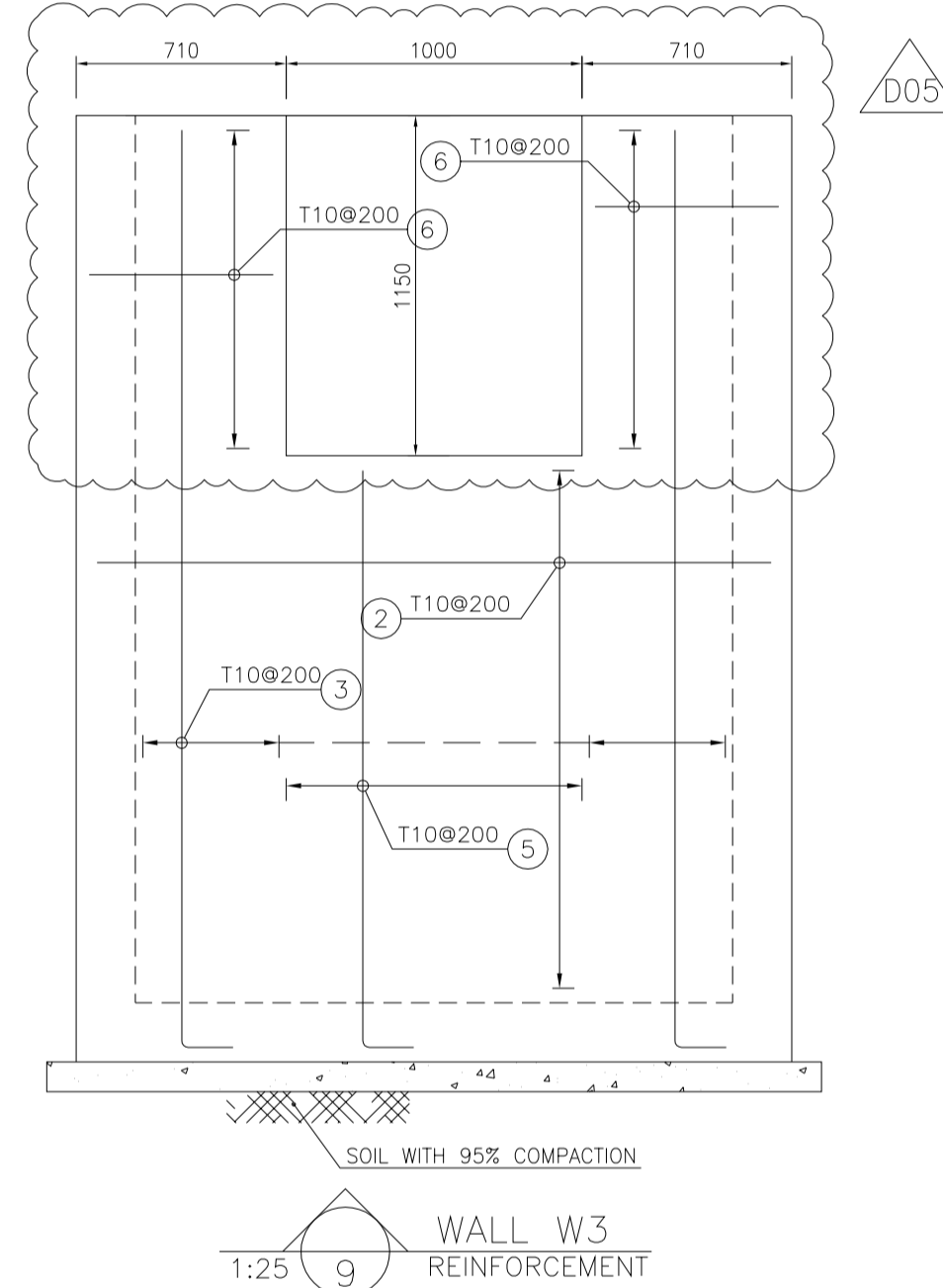
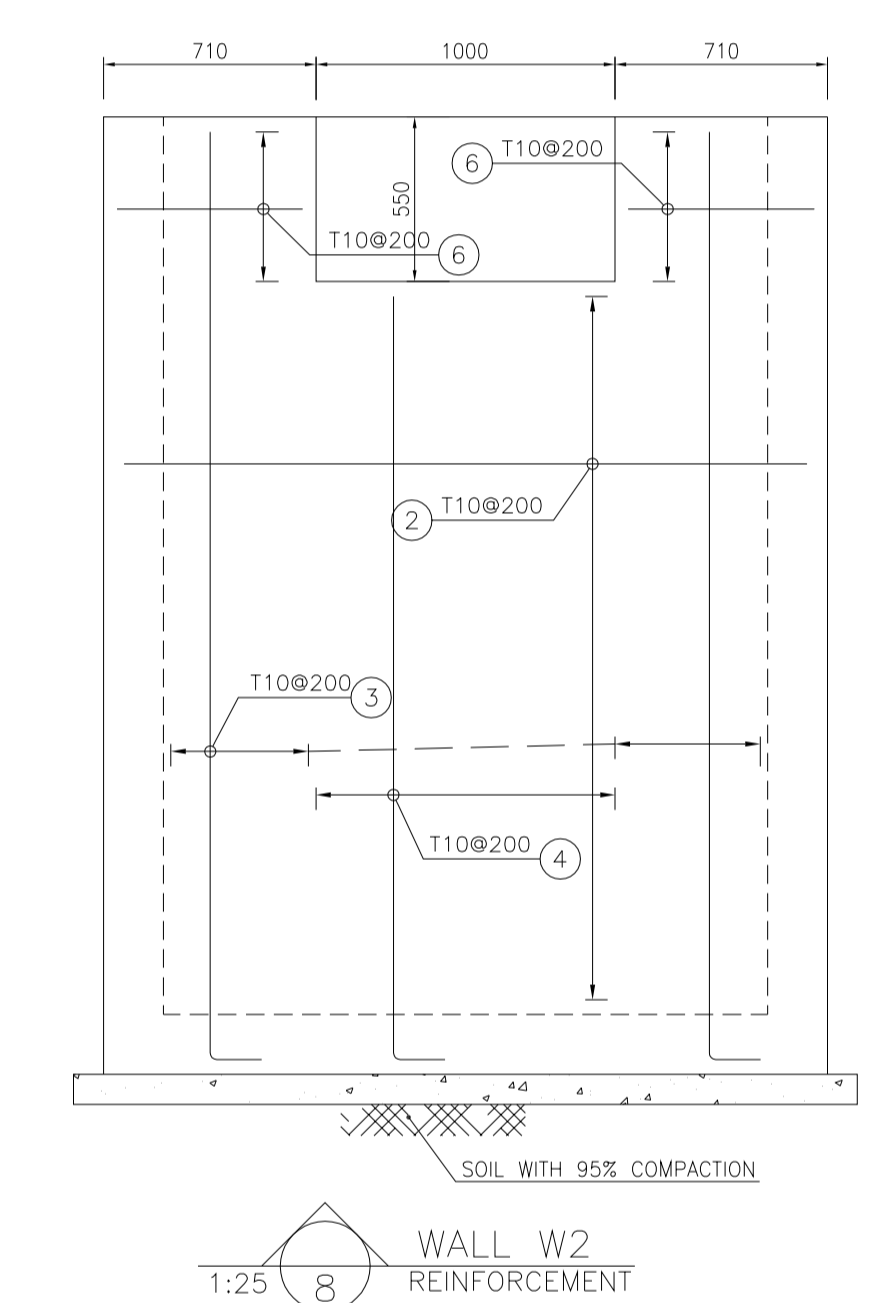
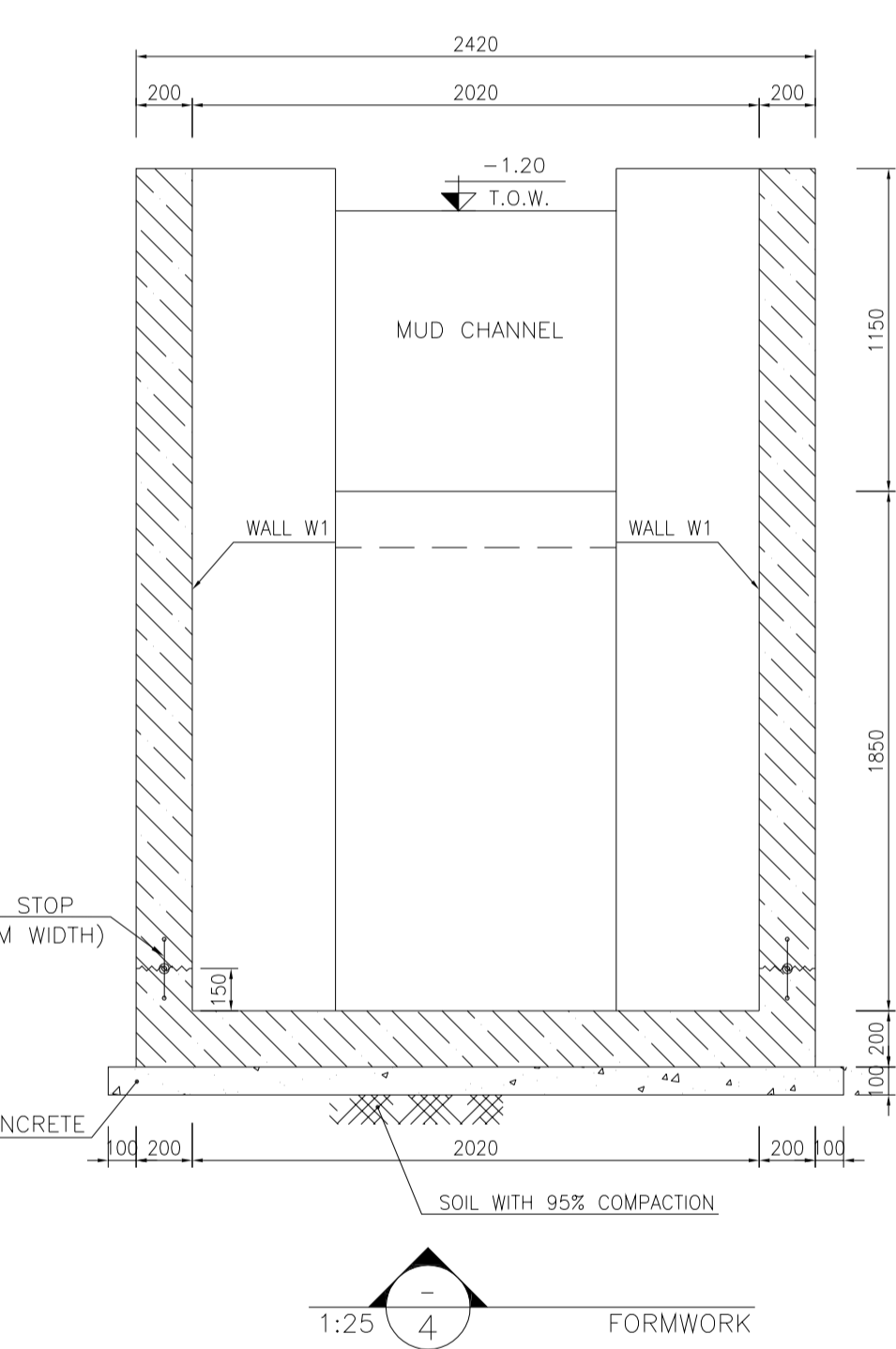
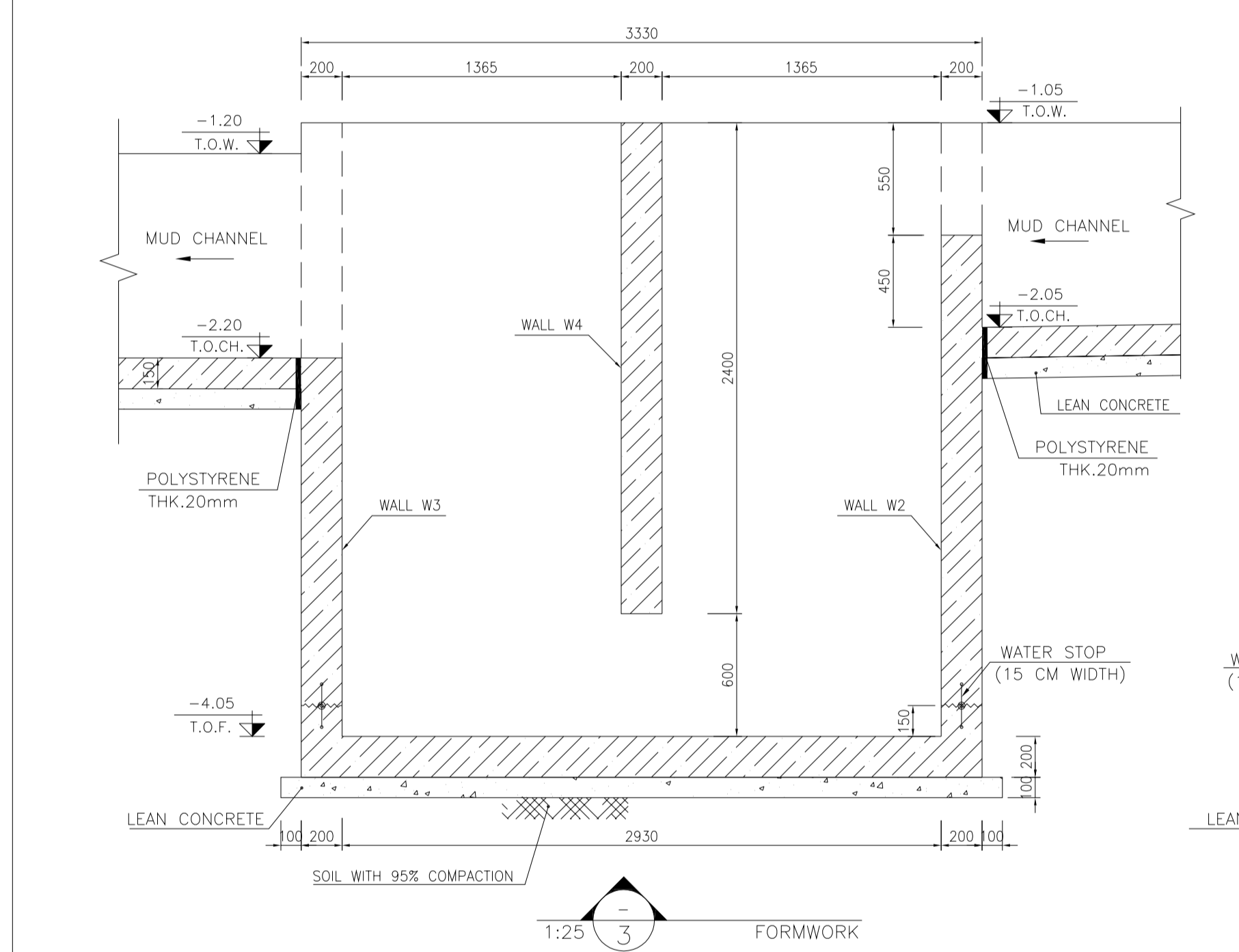
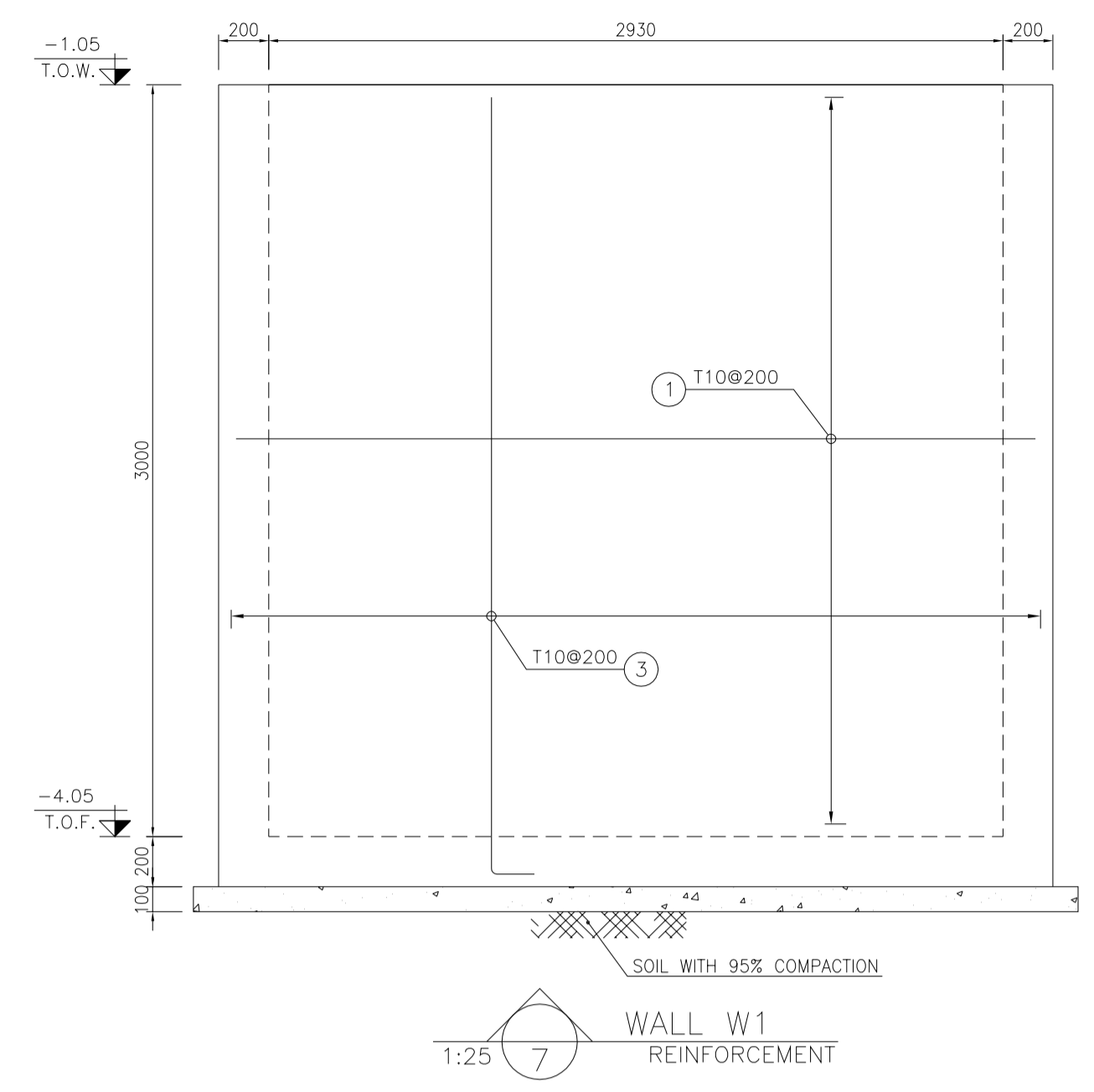
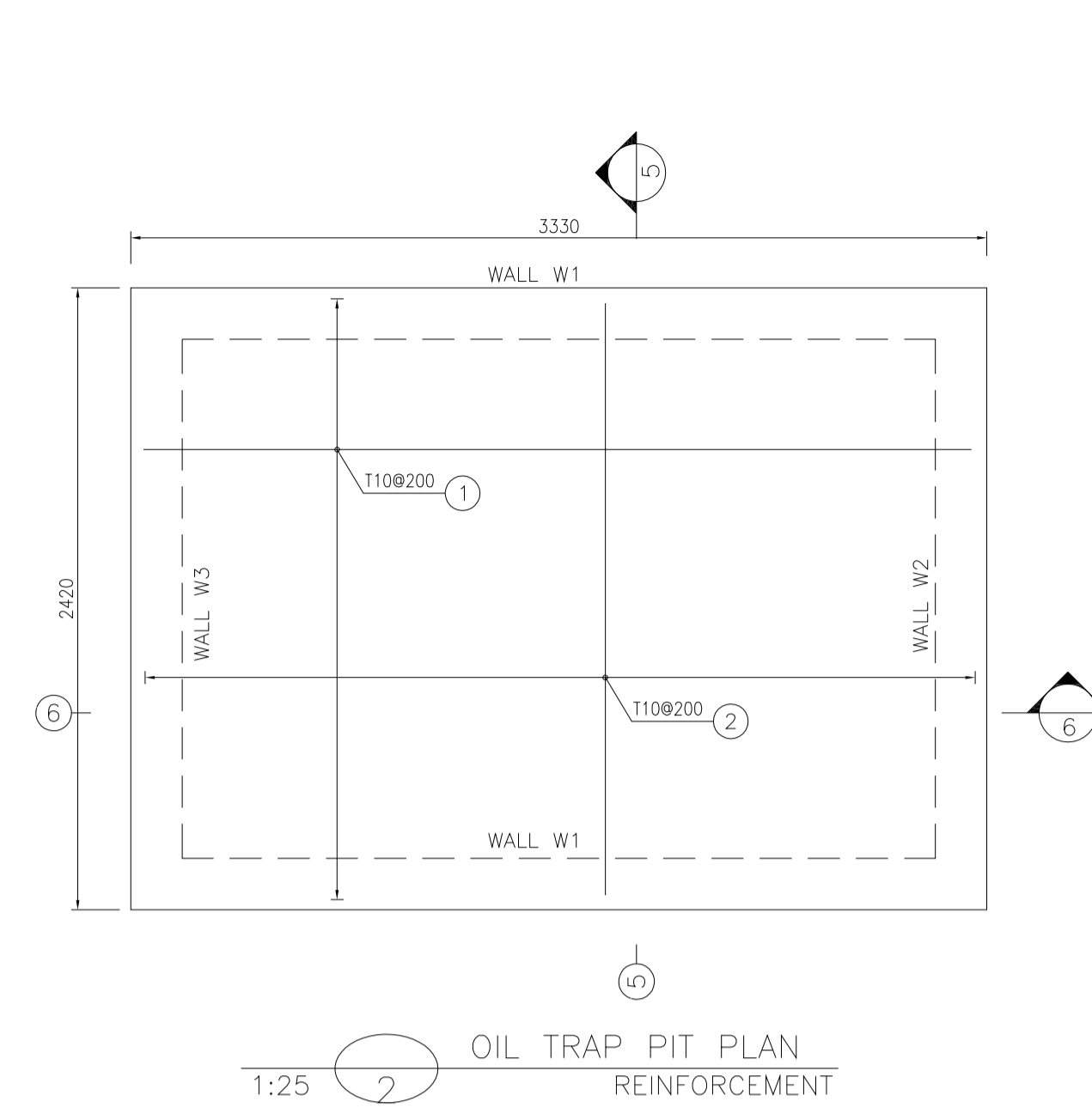
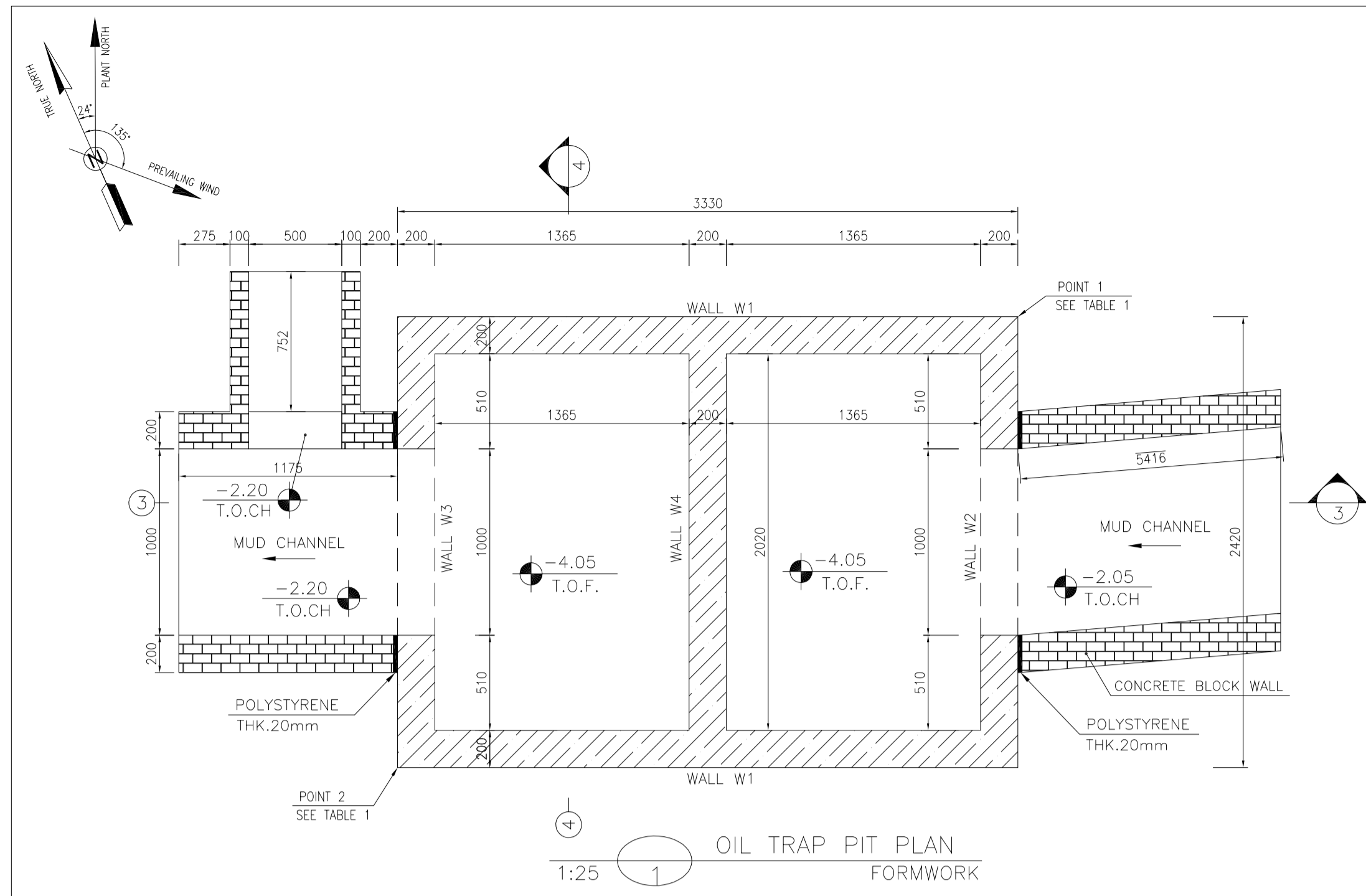
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:



BAR BENDING SCHEDULE - FUEL TANK

Pos	Spec.	Shape	L/A	No.	T10
1	T10	3200	3.20	45	144.0
2	T10	2300	2.30	64	147.20
3	T10	150/3050	3.20	46	147.20
4	T10	150/2500	2.65	6	15.90
5	T10	150/1900	2.05	6	12.30
6	T10	600	0.60	18	10.80
7	T10	2300	2.30	10	23.00

TOTAL LENGTH OR AREA (m) : 500.40
 UNIT WEIGHT (Kg/m) : 0.617
 WEIGHT (Kg) : 308.75
 GRAND TOTAL (Kg) : 310

TABLE 1 (CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437780.925	N=3295002.315
POINT 2	E=437776.906	N=3295001.427

** SHOULD BE USED THE EMULSION ON CONCRETE EXPOSED WITH SOIL. E-90-GOAT/ME 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

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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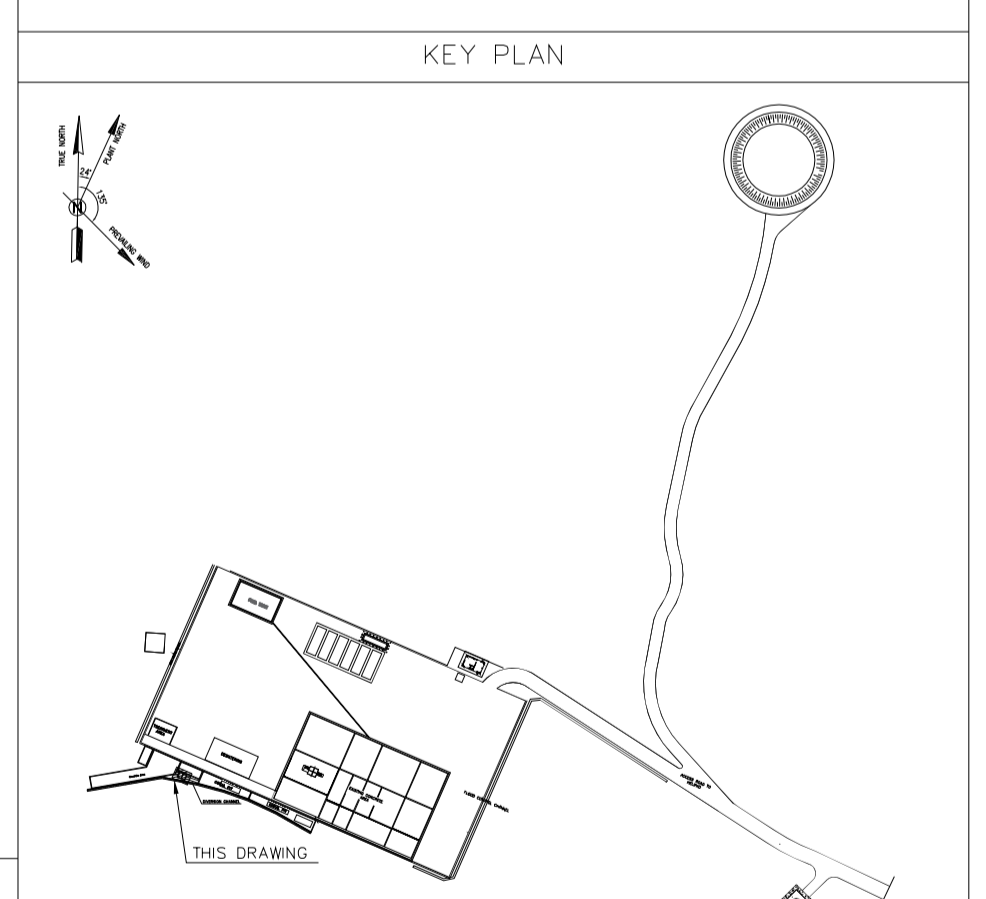
- NOTES**
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 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 15 MPa (ON CYLINDRICAL SPECIMEN)
 - REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
 - MINIMUM FOUNDATION NET CONCRETE COVER SHALL BE 75 mm.
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LEGEND AND ABBREVIATION

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
[Hatched]	REINFORCED CONCRETE	T.O.F.	TOP OF FOUNDATION
[Dotted]	LEAN CONCRETE	T.O.W.	TOP OF WALL
[Horizontal lines]	CEMENT BLOCK WALL	T.O.C.	TOP OF CONCRETE
[Vertical lines]	GRAVEL	B.O.C.	BOTTOM OF CONCRETE
[Diagonal lines]	SUB GRADE	T.O.PIT	TOP OF PIT
[Cross-hatched]	SLOPE	B.O.P.	BOTTOM OF PIPE
[Stippled]	GRAVEL	R.G.L.	ROUGH GRADING LEVEL
[Wavy lines]	MUD CHANNEL	T.O.CH.	TOP OF CHANNEL
[Diagonal lines]	GRAVEL	T.O.R.	TOP OF ROAD

REFERENCE DRAWING

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STRUCTURAL DRAWING FOR SWICHEAR 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. DESCRIPTION BY DATE BY DATE

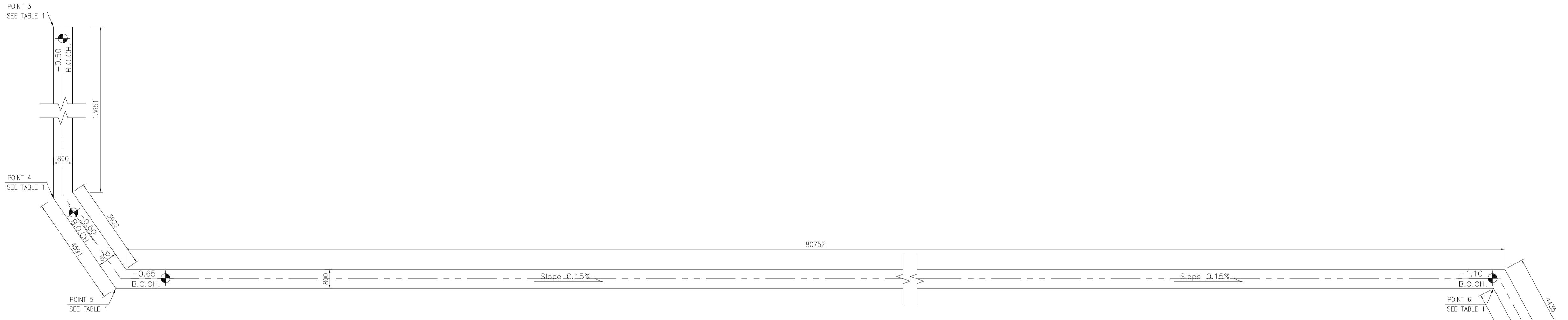
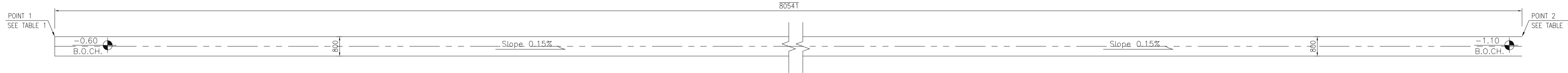
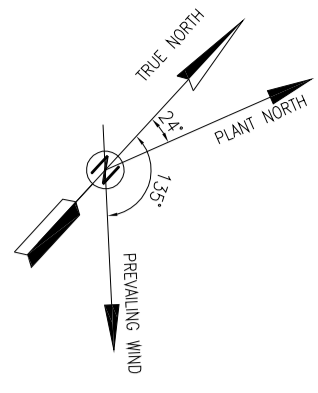
PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS
 PROJECT NO.: 971020
 EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES
 EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

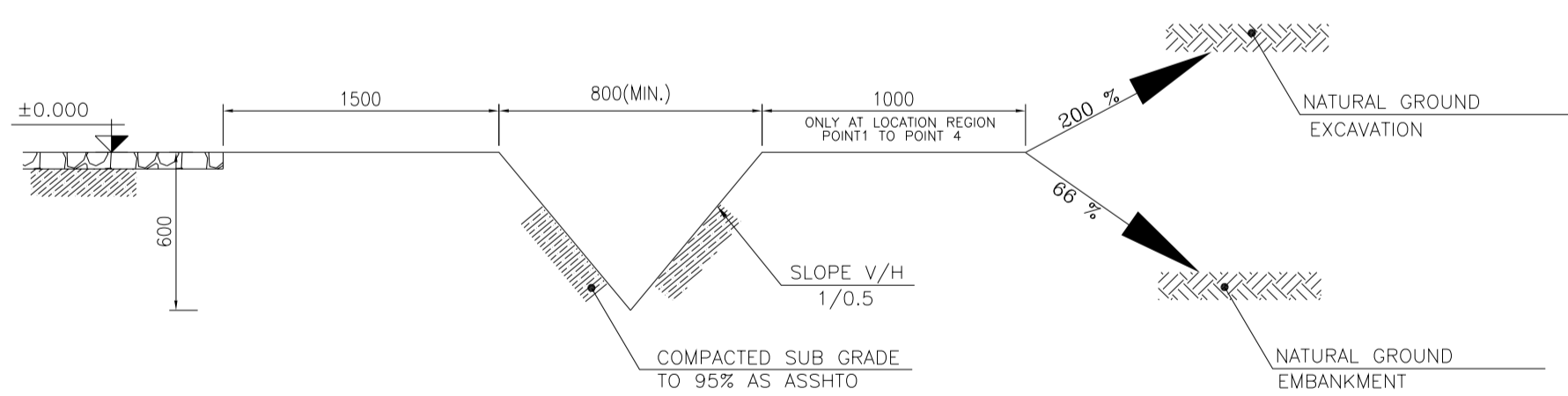
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APPROVED FOR CONSTRUCTION BY: DATE:

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	17 OF 99	D05	053-073-9184	F	4	S	708209	17	D05



1:100 WATER CHANNEL FORMWORK PLAN



N.T.S. 2 FORMWORK

TABLE 1
(CORNERS COORDINATES)

POINT	E	N
POINT 1	E=437759.438	N=3295016.203
POINT 2	E=437791.630	N=3295090.031
POINT 3	E=437875.065	N=3294963.821
POINT 4	E=437887.807	N=3294958.265
POINT 5	E=437892.311	N=3294959.155
POINT 6	E=437924.564	N=3295033.122
POINT 7	E=437928.235	N=3295033.433
POINT 8	E=437980.758	N=3294999.333

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

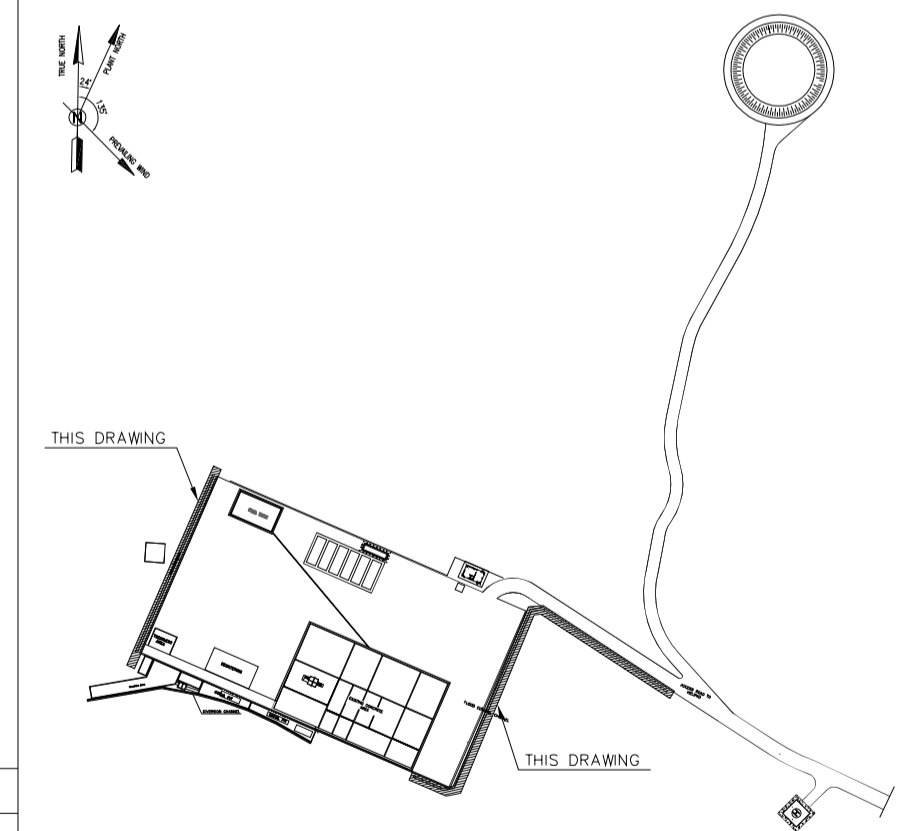
LEGEND AND ABBREVIATION

	REINFORCED CONCRETE	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	T.O.W.	TOP OF WALL
	CEMENT BLOCK WALL	T.O.C.	TOP OF CONCRETE
	GRAVEL	B.O.C.	BOTTOM OF CONCRETE
	SUB GRADE	T.O.PIT	TOP OF PIT
	SLOPE	B.O.P.	BOTTOM OF PIPE
	GRAVEL	R.G.L.	ROUGH GRADING LEVEL
		T.O.CH.	TOP OF CHANNEL
		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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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 SWICHGEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWICHGEAR 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



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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	***

اسم و کلیه نسخ این نقشه و حق اقتباس 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

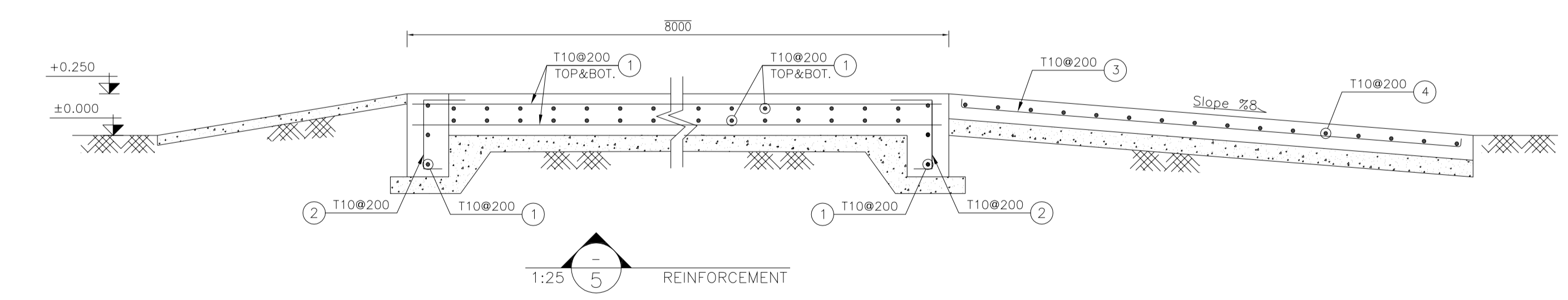
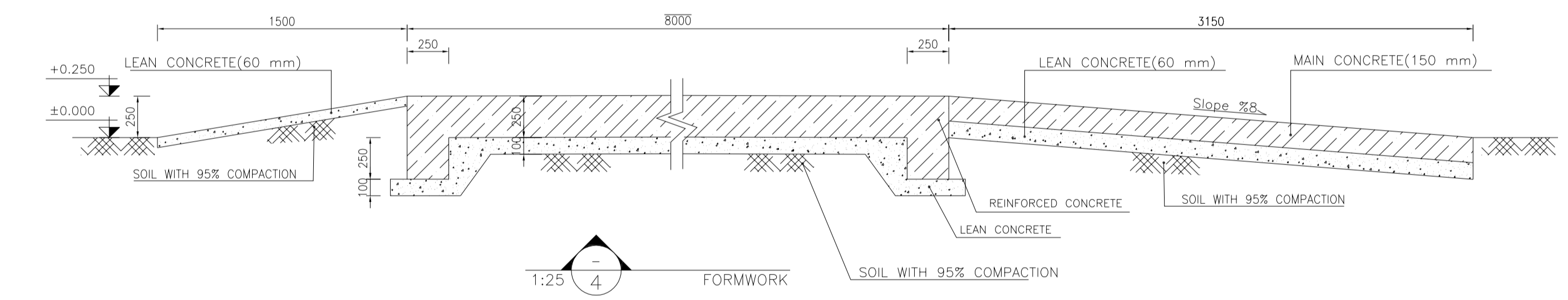
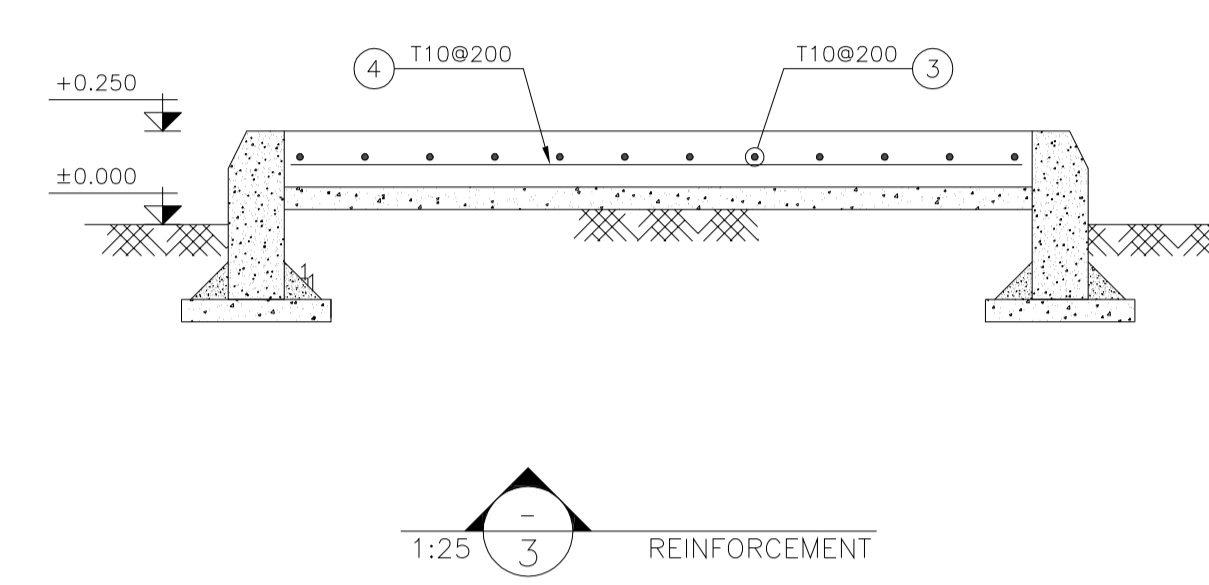
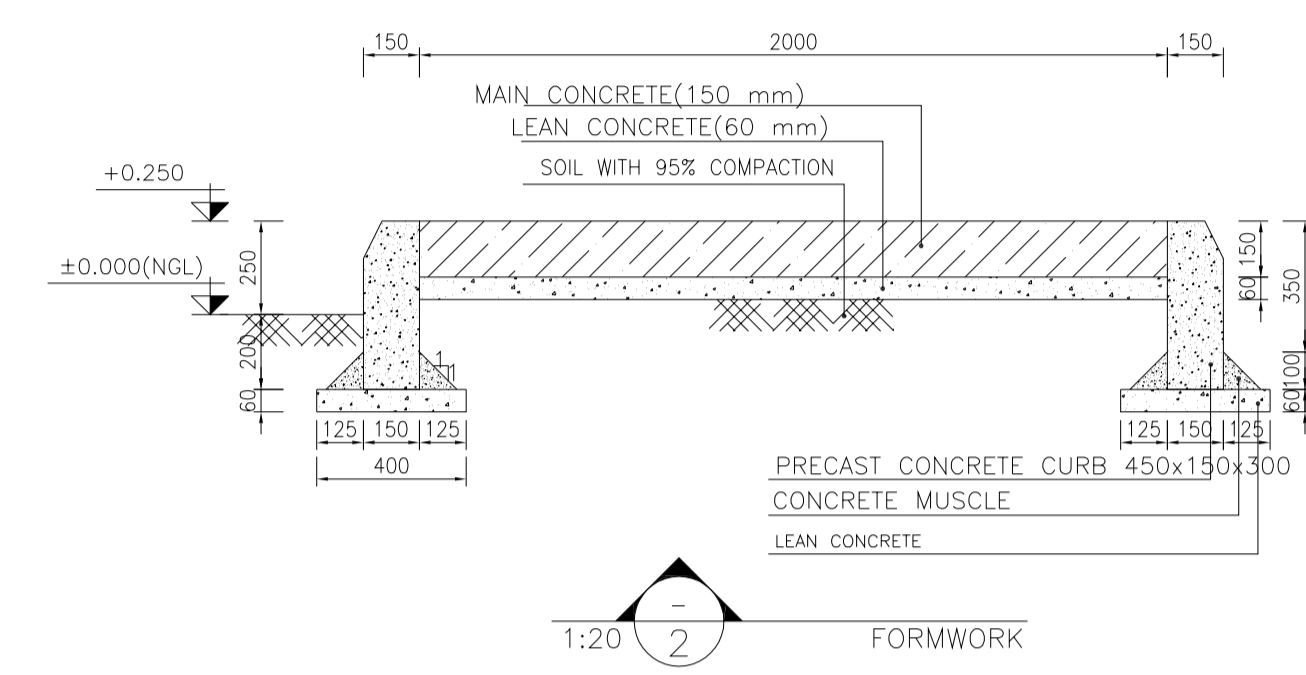
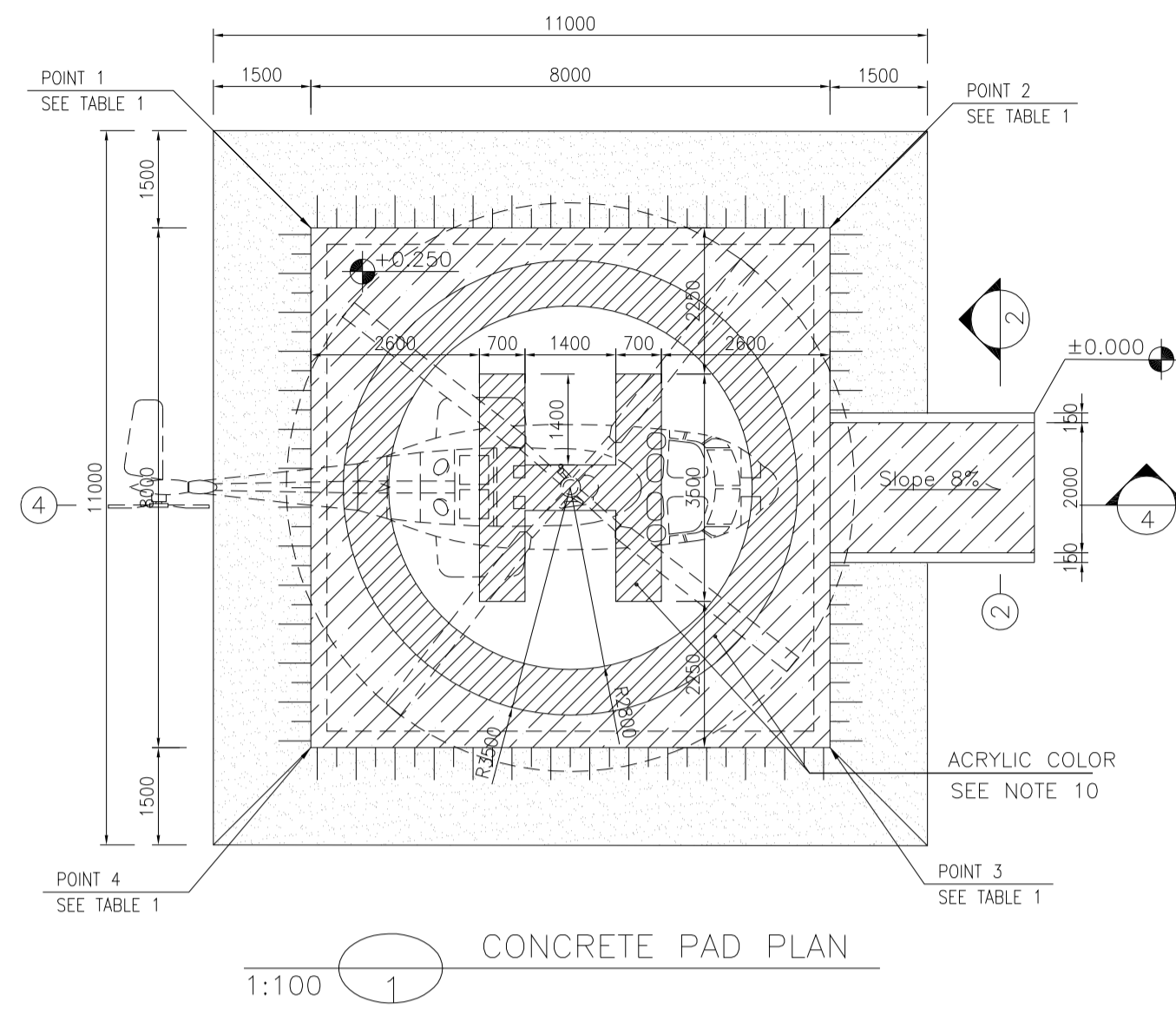
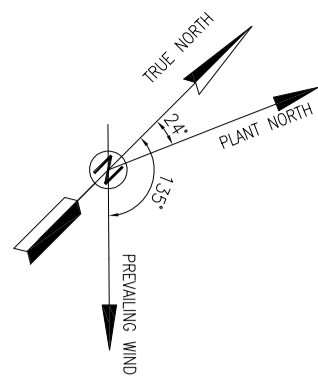
PROJECT NO.: 971020

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
AS SHOWN	A1	BK-BK14-PEDCO-110-CV-DW-0001	18 OF 99	D05	053-073-9184	F	4	S	708209	18	D05



POINT	E	N
POINT 1	E=438029.190	N=3294948.826
POINT 2	E=438034.847	N=3294954.483
POINT 3	E=438040.504	N=3294948.826
POINT 4	E=438034.847	N=3294943.170

Pos	Spec.	Shape	L/A	No.	T10
1	T10	7850	7.85	164	1287.4
2	T10	150 350	0.50	156	78.0
3	T10	3000	3.00	11	33.0
4	T10	1850	1.85	15	27.75
TOTAL LENGTH OR AREA (m/m ²)					1426.15
UNIT WEIGHT (Kg)					0.617
WEIGHT (Kg)					879.93
GRAND TOTAL (Kg)					880

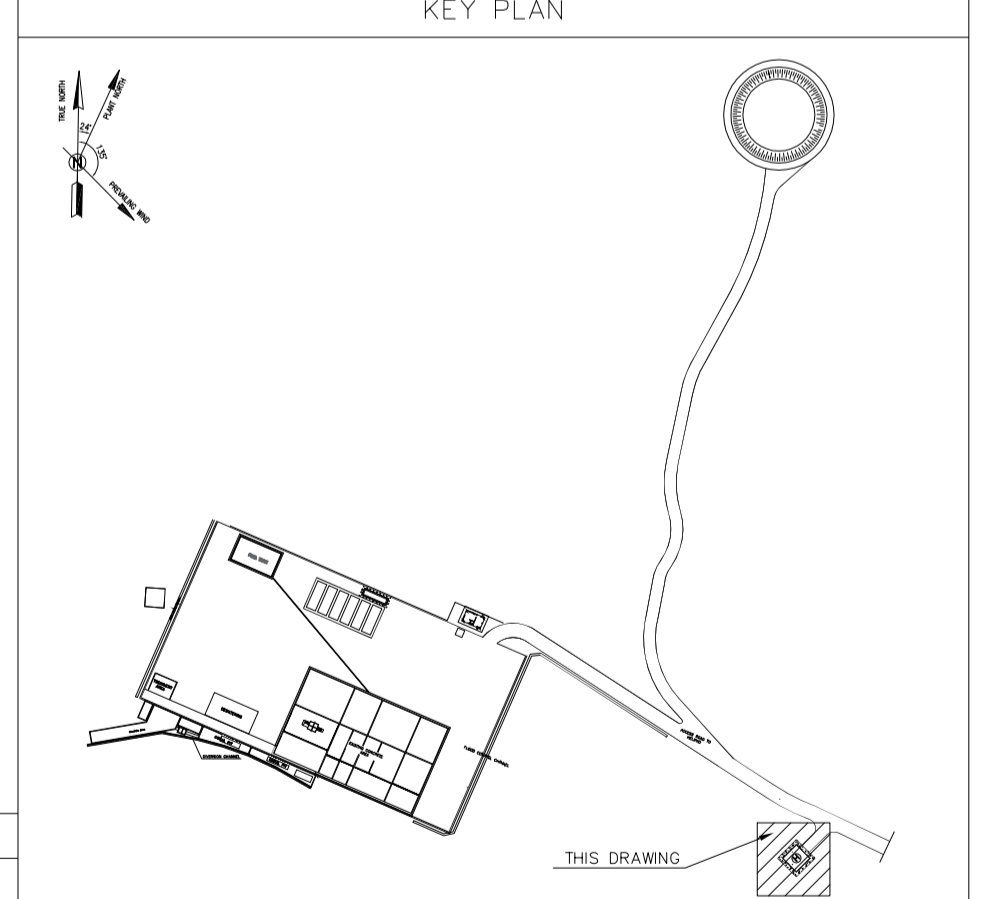
- NOTES
- ALL COORDINATES ARE IN METER.
 - ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS CHARACTERISTIC 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: ISR3132 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.

LEGEND AND ABBREVIATION

Symbol	Abbreviation	Meaning
[Hatched]	REINFORCED CONCRETE	T.O.F. TOP OF FOUNDATION
[Dotted]	LEAN CONCRETE	T.O.W. TOP OF WALL
[Horizontal lines]	CEMENT BLOCK WALL	T.O.C. TOP OF CONCRETE
[Vertical lines]	GRAVEL	B.O.C. BOTTOM OF CONCRETE
[Diagonal lines]	SUB GRADE	T.O.PIT TOP OF PIT
[Cross-hatched]	SLOPE	B.O.P. BOTTOM OF PIPE
[Wavy lines]	GRAVEL	R.G.L. ROUGH GRADING LEVEL
[Stippled]	GRAVEL	T.O.CH. TOP OF CHANNEL
[Stippled]	GRAVEL	T.O.R. TOP OF ROAD

REFERENCE DRAWING

DESCRIPTION	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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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



REV.	DESCRIPTION	BY	DATE	BY	DATE	
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	
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.

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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 HELIPAD FORMWORK & REINFORCEMENT PLAN-SECTION

SCALE: AS SHOWN

DATE: 19 OF 09

REV: D05

BUDGET REF: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO: 708209

SHEET: 19

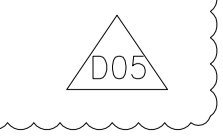
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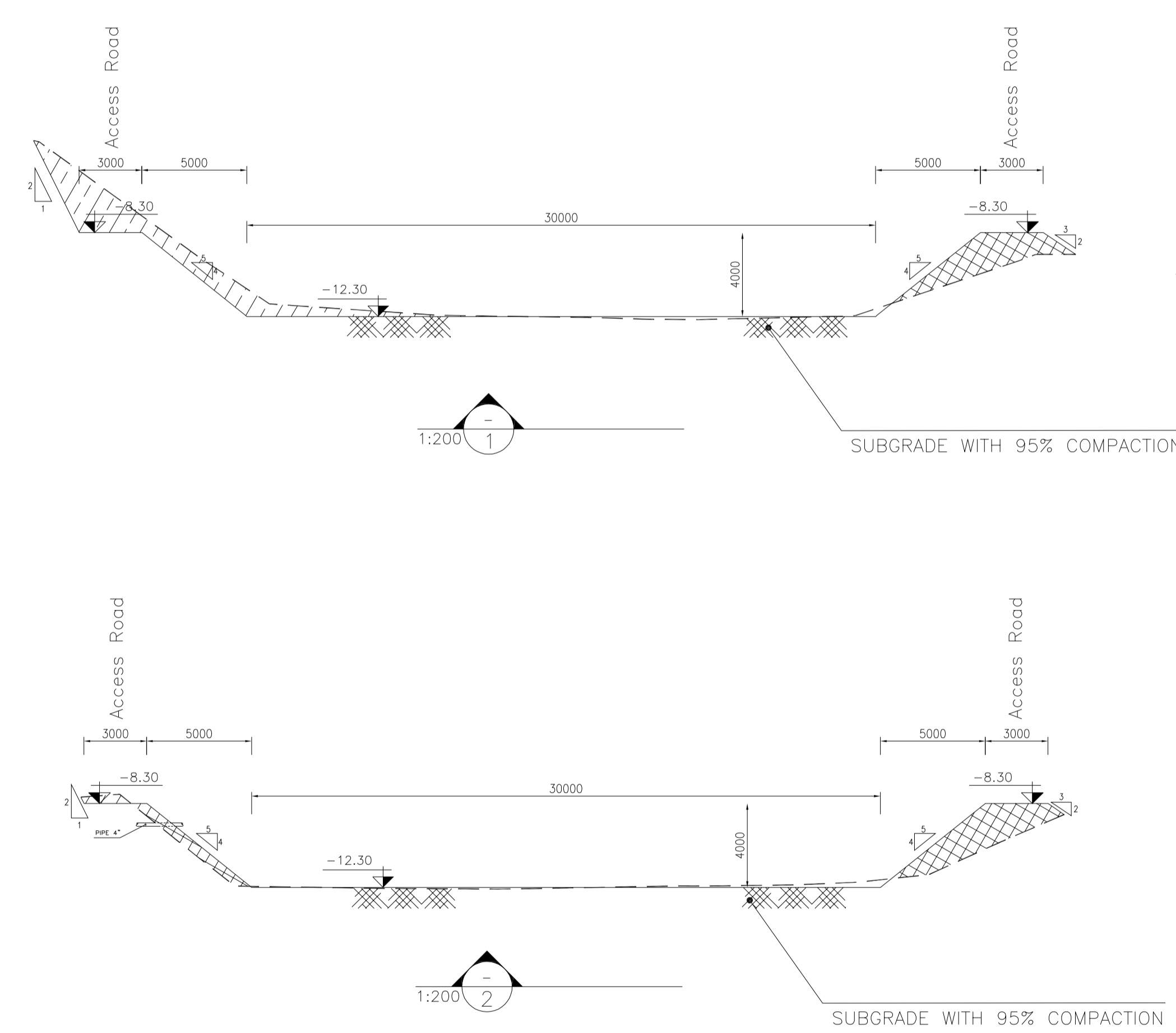
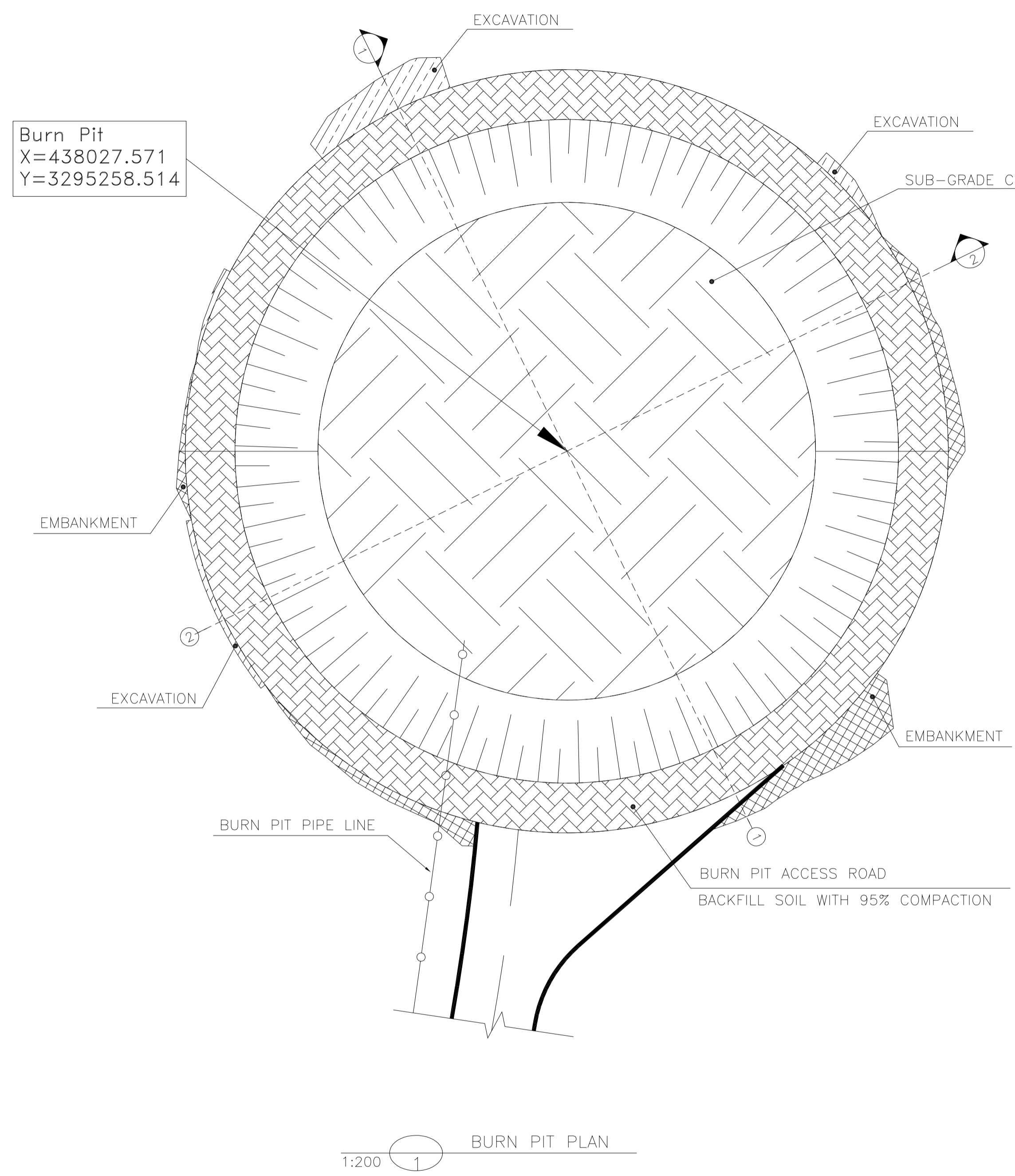
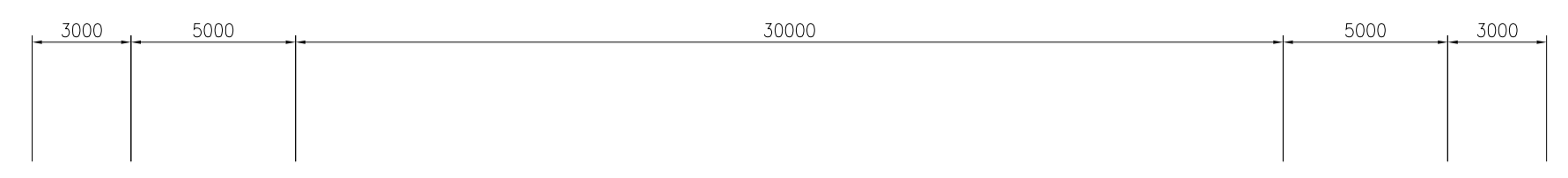
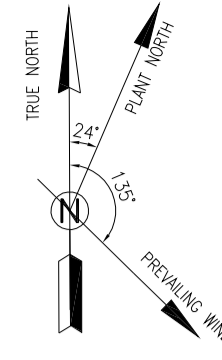
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

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

*CONSTRUCTION OF THE HELIPAD AREA AND ITS ACCESS ROAD IS SUBJECT TO OFFICIAL NOTIFICATION FROM THE CLIENT AS EXTRA WORKS.





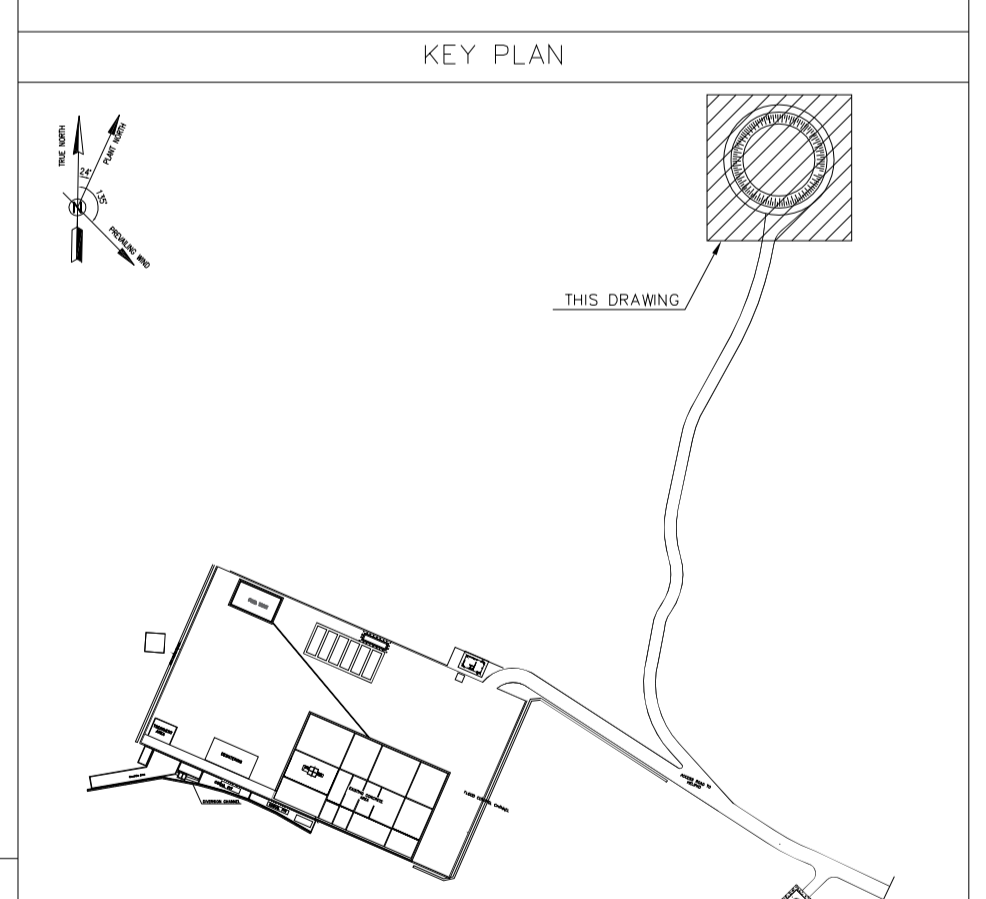
- NOTES**
- 1- ALL COORDINATES ARE IN METER.
 - 2- ALL DIMENSIONS ARE IN MILLIMETERS AND ELEVATIONS ARE IN METER.
 - 3- ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - 4- ACCORDING TO THE SPECIFICATION OF CONCRETE WORKS: "BK-GNRL-PEDCO-000-ST-SP-0001", 28 DAYS 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
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 - 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	T.O.F.	TOP OF FOUNDATION
	LEAN CONCRETE	T.O.W.	TOP OF WALL
	CEMENT BLOCK WALL	T.O.C.	TOP OF CONCRETE
	GRAVEL	B.O.C.	BOTTOM OF CONCRETE
	SUB GRADE	T.O.PIT	TOP OF PIT
	SLOPE	B.O.P.	BOTTOM OF PIPE
	GRAVEL	R.G.L.	ROUGH GRADING LEVEL
	Excavation	T.O.CH.	TOP OF CHANNEL
	Embankment	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
PLOT PLAN DRAWING - BK14	BK-BK14-PEDCO-110-PI-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 SWICHEAR BUILDING FOR WELL PADS-BK-14	BK-BK14-PEDCO-110-ST-DW-0004
STRUCTURAL DRAWING FOR SWICHEAR 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



Cut/Fill Summary

Name	Cut Factor	Fill Factor	Cut	Fill
ROUGH GRADING (BURNPIT-BK14)	1.000	1.000	585.64 Cu.M.	633.71 Cu.M.
			TOTAL=1219.35 Cu.M.	

Cut and Fill Volume Table for Burn Pit Area

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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 BURN PIT 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	20 OF 99	D05	053-073-9184	F	4	S	708209	20	D05

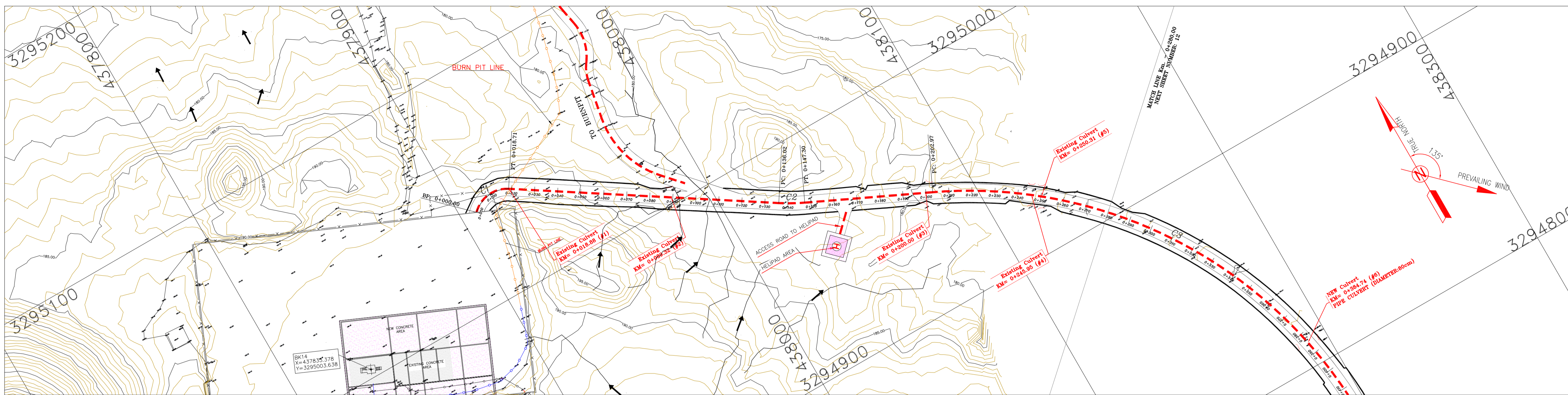
املا و کلیه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

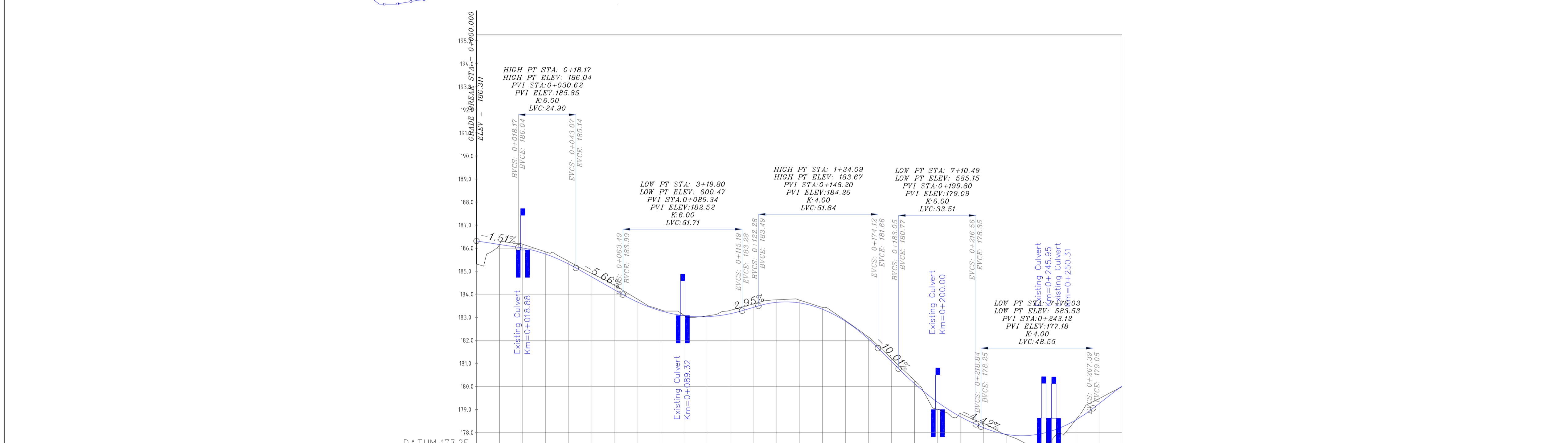
APPROVED FOR CONSTRUCTION	BY:	DATE:



- 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 GEODEIC 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		



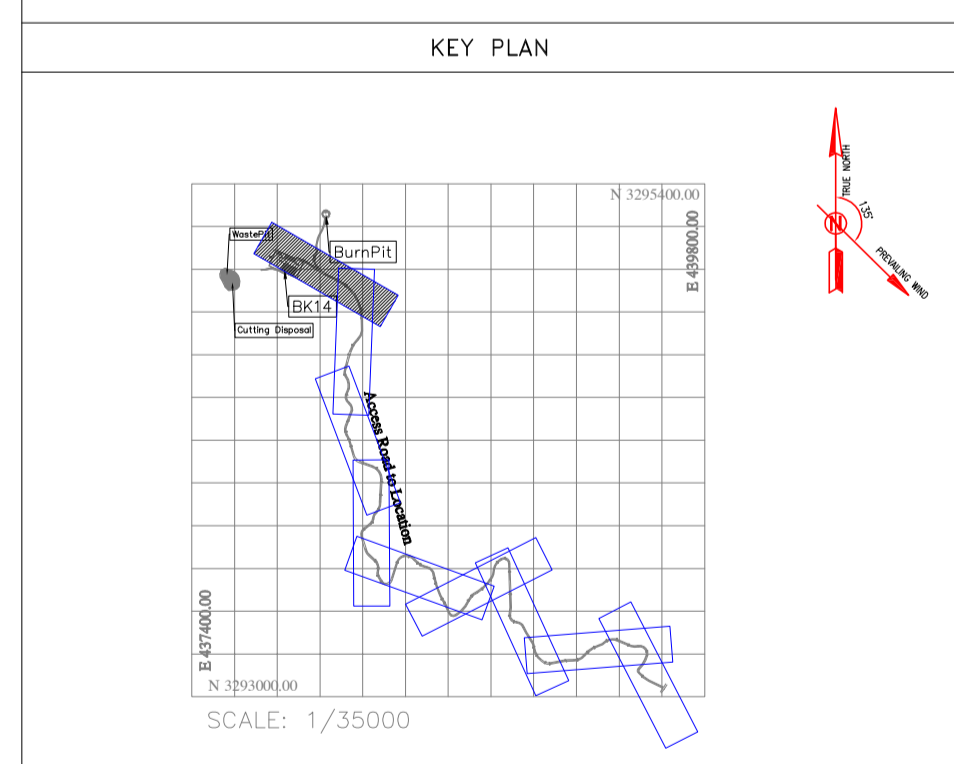
PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KMO	METERS	CURVES
186.31	186.31	0+000	0+000	0+000	0+000	D=78°26'58" R=13.66
186.16	186.16	0+009	0+009	0+009	0+009	L=117.312
186.01	186.01	0+018	0+018	0+018	0+018	D=7°41'18" R=84.05
185.74	185.74	0+030	0+030	0+030	0+030	L=55.671
185.31	185.31	0+040	0+040	0+040	0+040	D=63°02'15" R=196.53
184.75	184.75	0+050	0+050	0+050	0+050	
184.18	184.18	0+060	0+060	0+060	0+060	
183.65	183.65	0+070	0+070	0+070	0+070	
183.28	183.28	0+080	0+080	0+080	0+080	
182.87	182.87	0+090	0+090	0+090	0+090	
182.42	182.42	0+100	0+100	0+100	0+100	
181.95	181.95	0+110	0+110	0+110	0+110	
181.48	181.48	0+120	0+120	0+120	0+120	
181.01	181.01	0+130	0+130	0+130	0+130	
180.54	180.54	0+140	0+140	0+140	0+140	
180.07	180.07	0+150	0+150	0+150	0+150	
179.60	179.60	0+160	0+160	0+160	0+160	
179.13	179.13	0+170	0+170	0+170	0+170	
178.66	178.66	0+180	0+180	0+180	0+180	
178.19	178.19	0+190	0+190	0+190	0+190	
177.72	177.72	0+200	0+200	0+200	0+200	
177.25	177.25	0+210	0+210	0+210	0+210	
176.78	176.78	0+220	0+220	0+220	0+220	
176.31	176.31	0+230	0+230	0+230	0+230	
175.84	175.84	0+240	0+240	0+240	0+240	
175.37	175.37	0+250	0+250	0+250	0+250	
174.90	174.90	0+260	0+260	0+260	0+260	
174.43	174.43	0+270	0+270	0+270	0+270	
173.96	173.96	0+280	0+280	0+280	0+280	
173.49	173.49	0+290	0+290	0+290	0+290	
173.02	173.02	0+300	0+300	0+300	0+300	
172.55	172.55	0+310	0+310	0+310	0+310	
172.08	172.08	0+320	0+320	0+320	0+320	
171.61	171.61	0+330	0+330	0+330	0+330	
171.14	171.14	0+340	0+340	0+340	0+340	
170.67	170.67	0+350	0+350	0+350	0+350	
170.20	170.20	0+360	0+360	0+360	0+360	
169.73	169.73	0+370	0+370	0+370	0+370	
169.26	169.26	0+380	0+380	0+380	0+380	
168.79	168.79	0+390	0+390	0+390	0+390	
168.32	168.32	0+400	0+400	0+400	0+400	
167.85	167.85	0+410	0+410	0+410	0+410	
167.38	167.38	0+420	0+420	0+420	0+420	
166.91	166.91	0+430	0+430	0+430	0+430	
166.44	166.44	0+440	0+440	0+440	0+440	
165.97	165.97	0+450	0+450	0+450	0+450	
165.50	165.50	0+460	0+460	0+460	0+460	
165.03	165.03	0+470	0+470	0+470	0+470	
164.56	164.56	0+480	0+480	0+480	0+480	
164.09	164.09	0+490	0+490	0+490	0+490	
163.62	163.62	0+500	0+500	0+500	0+500	
163.15	163.15	0+510	0+510	0+510	0+510	
162.68	162.68	0+520	0+520	0+520	0+520	
162.21	162.21	0+530	0+530	0+530	0+530	
161.74	161.74	0+540	0+540	0+540	0+540	
161.27	161.27	0+550	0+550	0+550	0+550	
160.80	160.80	0+560	0+560	0+560	0+560	
160.33	160.33	0+570	0+570	0+570	0+570	
159.86	159.86	0+580	0+580	0+580	0+580	
159.39	159.39	0+590	0+590	0+590	0+590	
158.92	158.92	0+600	0+600	0+600	0+600	
158.45	158.45	0+610	0+610	0+610	0+610	
157.98	157.98	0+620	0+620	0+620	0+620	
157.51	157.51	0+630	0+630	0+630	0+630	
157.04	157.04	0+640	0+640	0+640	0+640	
156.57	156.57	0+650	0+650	0+650	0+650	
156.10	156.10	0+660	0+660	0+660	0+660	
155.63	155.63	0+670	0+670	0+670	0+670	
155.16	155.16	0+680	0+680	0+680	0+680	
154.69	154.69	0+690	0+690	0+690	0+690	
154.22	154.22	0+700	0+700	0+700	0+700	
153.75	153.75	0+710	0+710	0+710	0+710	
153.28	153.28	0+720	0+720	0+720	0+720	
152.81	152.81	0+730	0+730	0+730	0+730	
152.34	152.34	0+740	0+740	0+740	0+740	
151.87	151.87	0+750	0+750	0+750	0+750	
151.40	151.40	0+760	0+760	0+760	0+760	
150.93	150.93	0+770	0+770	0+770	0+770	
150.46	150.46	0+780	0+780	0+780	0+780	
149.99	149.99	0+790	0+790	0+790	0+790	
149.52	149.52	0+800	0+800	0+800	0+800	
149.05	149.05	0+810	0+810	0+810	0+810	
148.58	148.58	0+820	0+820	0+820	0+820	
148.11	148.11	0+830	0+830	0+830	0+830	
147.64	147.64	0+840	0+840	0+840	0+840	
147.17	147.17	0+850	0+850	0+850	0+850	
146.70	146.70	0+860	0+860	0+860	0+860	
146.23	146.23	0+870	0+870	0+870	0+870	
145.76	145.76	0+880	0+880	0+880	0+880	
145.29	145.29	0+890	0+890	0+890	0+890	
144.82	144.82	0+900	0+900	0+900	0+900	
144.35	144.35	0+910	0+910	0+910	0+910	
143.88	143.88	0+920	0+920	0+920	0+920	
143.41	143.41	0+930	0+930	0+930	0+930	
142.94	142.94	0+940	0+940	0+940	0+940	
142.47	142.47	0+950	0+950	0+950	0+950	
142.00	142.00	0+960	0+960	0+960	0+960	
141.53	141.53	0+970	0+970	0+970	0+970	
141.06	141.06	0+980	0+980	0+980	0+980	
140.59	140.59	0+990	0+990	0+990	0+990	
140.12	140.12	0+1000	0+1000	0+1000	0+1000	

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)

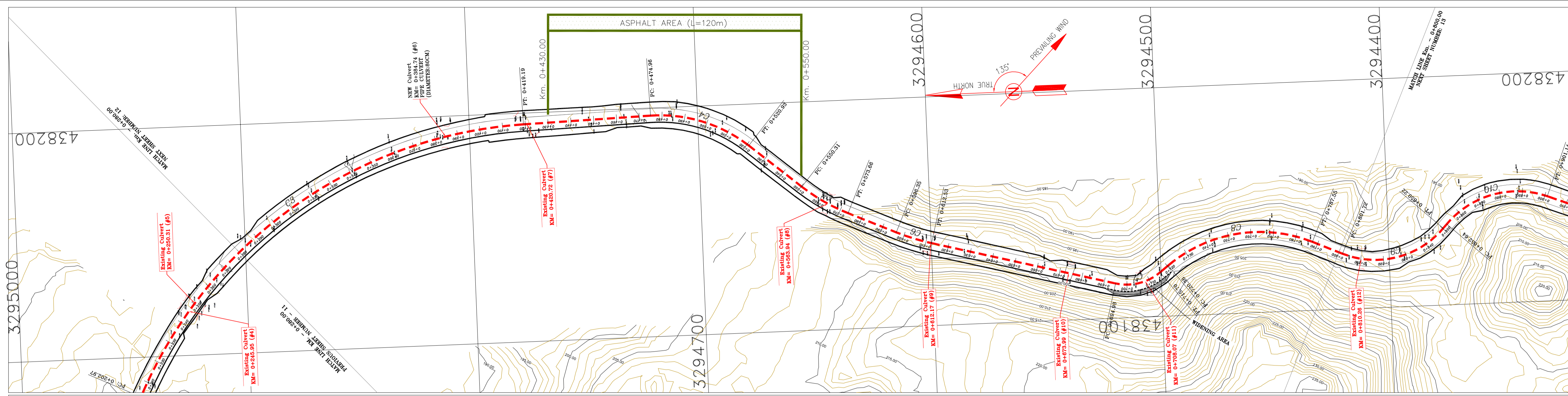
Station	Northing	Easting
0+000.00	3295039.68	437907.01
0+010.00	3295043.73	437915.91
0+020.00	3295040.84	437925.27
0+030.00	3295035.39	437933.65
0+040.00	3295029.94	437942.04
0+050.00	3295024.50	437950.42
0+060.00	3295019.05	437958.81
0+070.00	3295013.60	437967.19
0+080.00	3295008.15	437975.58
0+090.00	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	438051.03

Coordinate of Bench Marks (UTM-ZONE 39N)

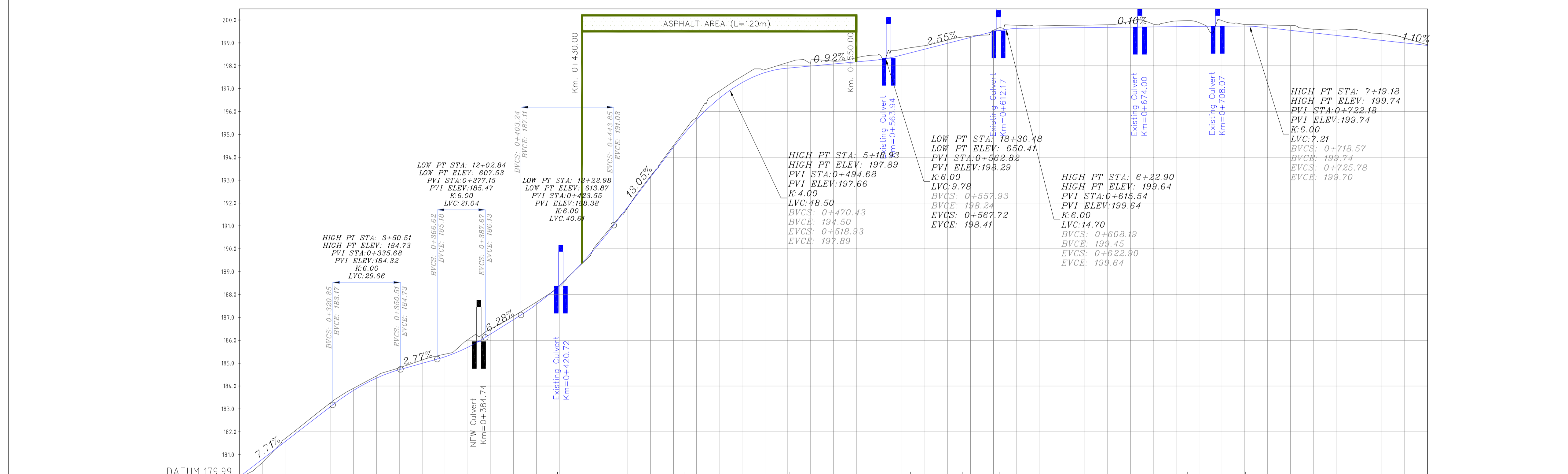
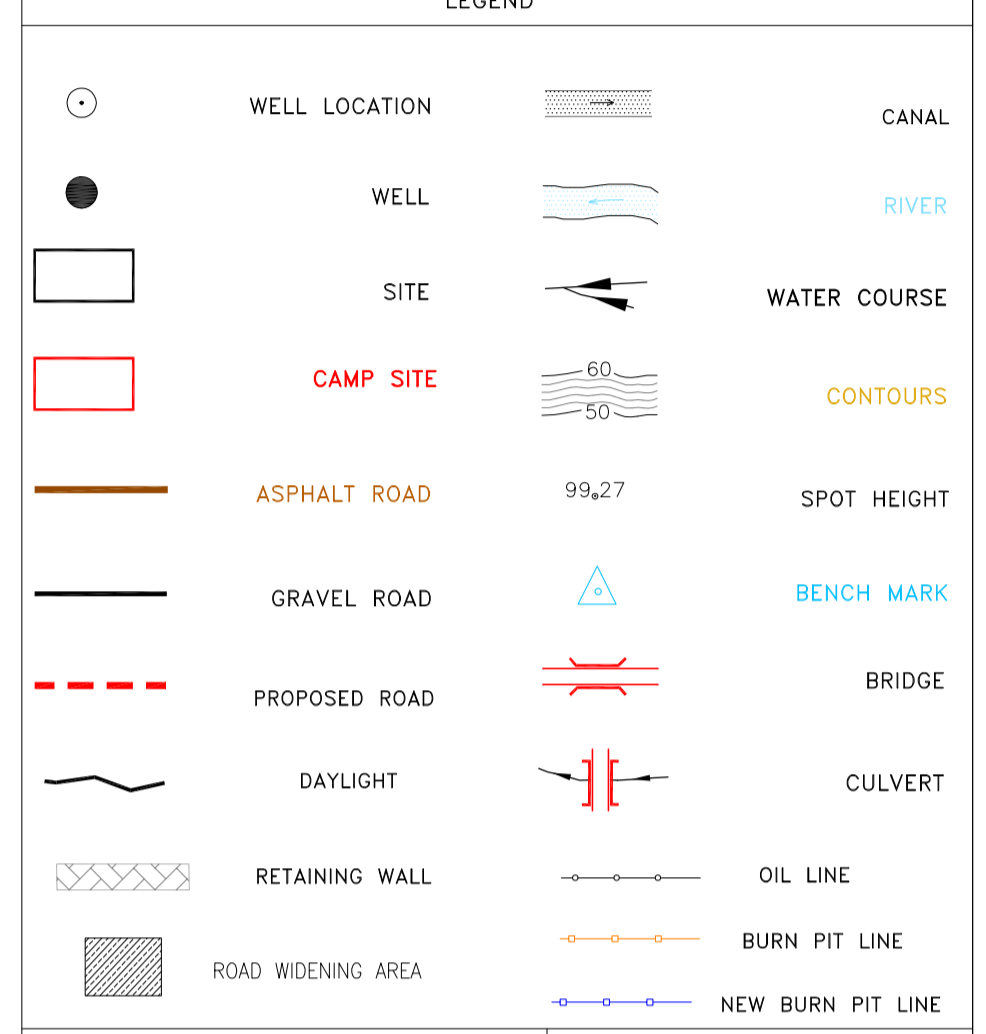
NAME	Easting(m)	Northing(m)	Elevation(m)
GPS2	437770.8593	3295060.1065	171.4186
GPS3	437770.7943	3295060.0960	171.4184

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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 &



- 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-GN-RAL-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.

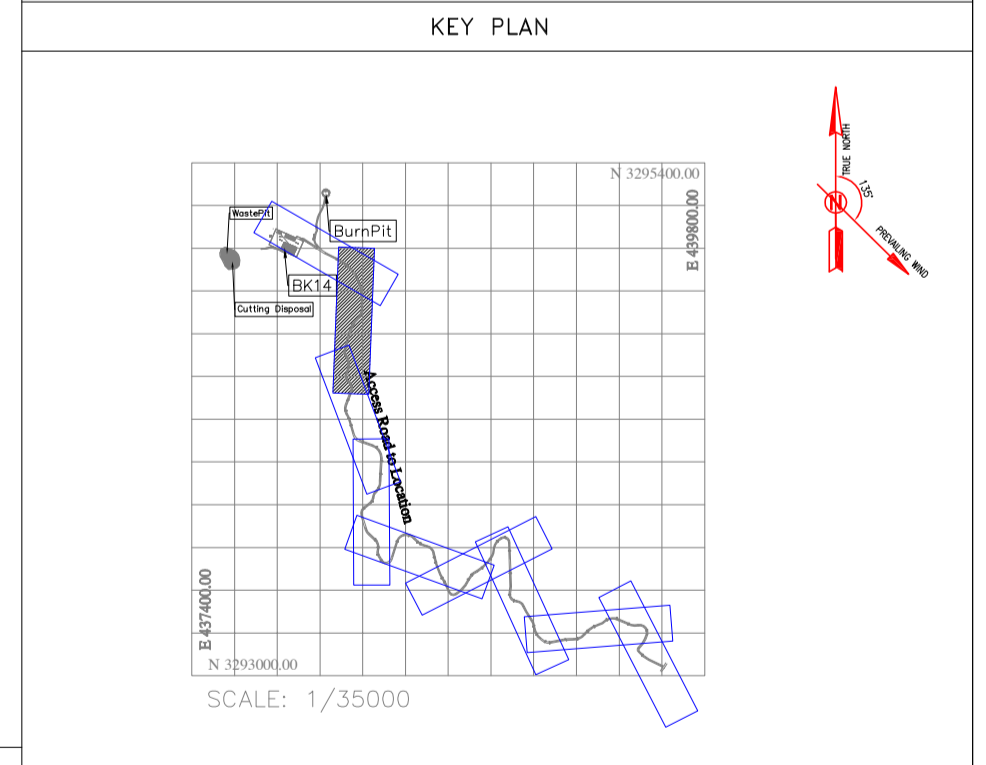


REFERENCE DRAWING

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



PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KMO	METERS	CURVES
181.00	181.00	0	0.00	3294500	0	D=63°02'15" R=196.53
182.00	182.00	1	1.00	3294510	1	L=95.764
183.00	183.00	2	2.00	3294520	2	L=82.449
184.00	184.00	3	3.00	3294530	3	L=29.375
185.00	185.00	4	4.00	3294540	4	D=16°06'05" R=83.12
186.00	186.00	5	5.00	3294550	5	L=22.686
187.00	187.00	6	6.00	3294560	6	L=82.449
188.00	188.00	7	7.00	3294570	7	D=52°26'50" R=148.00
189.00	189.00	8	8.00	3294580	8	D=62.50°FC
190.00	190.00	9	9.00	3294590	9	R=134.00
191.00	191.00	10	10.00	3294600	10	
192.00	192.00	11	11.00	3294610	11	
193.00	193.00	12	12.00	3294620	12	
194.00	194.00	13	13.00	3294630	13	
195.00	195.00	14	14.00	3294640	14	
196.00	196.00	15	15.00	3294650	15	
197.00	197.00	16	16.00	3294660	16	
198.00	198.00	17	17.00	3294670	17	
199.00	199.00	18	18.00	3294680	18	
200.00	200.00	19	19.00	3294690	19	

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+280.00	3294902.72	438144.19
0+290.00	3294895.15	438150.72
0+300.00	3294887.25	438156.85
0+310.00	3294879.05	438162.57
0+320.00	3294870.57	438167.87
0+330.00	3294861.83	438172.74
0+340.00	3294852.86	438177.15
0+350.00	3294843.68	438181.10
0+360.00	3294834.30	438184.57
0+370.00	3294824.76	438187.57
0+380.00	3294815.08	438190.07
0+390.00	3294805.29	438192.09
0+400.00	3294795.40	438193.60
0+410.00	3294785.45	438194.60
0+420.00	3294775.47	438195.10
0+430.00	3294765.47	438195.19
0+440.00	3294755.48	438195.67
0+450.00	3294745.48	438195.95
0+460.00	3294735.48	438196.24
0+470.00	3294725.49	438196.52
0+480.00	3294715.49	438196.61
0+490.00	3294705.50	438196.31
0+500.00	3294696.01	438192.46
0+510.00	3294687.00	438188.14
0+520.00	3294678.79	438182.45
0+530.00	3294670.14	438176.02
0+540.00	3294663.49	438169.58
0+550.00	3294656.83	438163.14
0+560.00	3294647.84	438157.15
0+570.00	3294639.18	438152.16
0+580.00	3294630.07	438148.02
0+590.00	3294620.94	438143.96
0+600.00	3294611.77	438139.60
0+610.00	3294602.32	438136.70
0+620.00	3294592.66	438134.15
0+630.00	3294582.98	438131.62
0+640.00	3294573.30	438129.09

PI Station	Northing	Easting
0+323.49	3294896.74	438191.64
0+499.02	3294896.48	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

REV.	DESCRIPTION	BY	DATE	REV. APPR.
D05	JUN.2023	IFA		
D03	MAY.2023	IFA		
D02	MAR.2023	IFA		
D01	NOV.2022	IFA		
D00	OCT.2022	IFC		

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

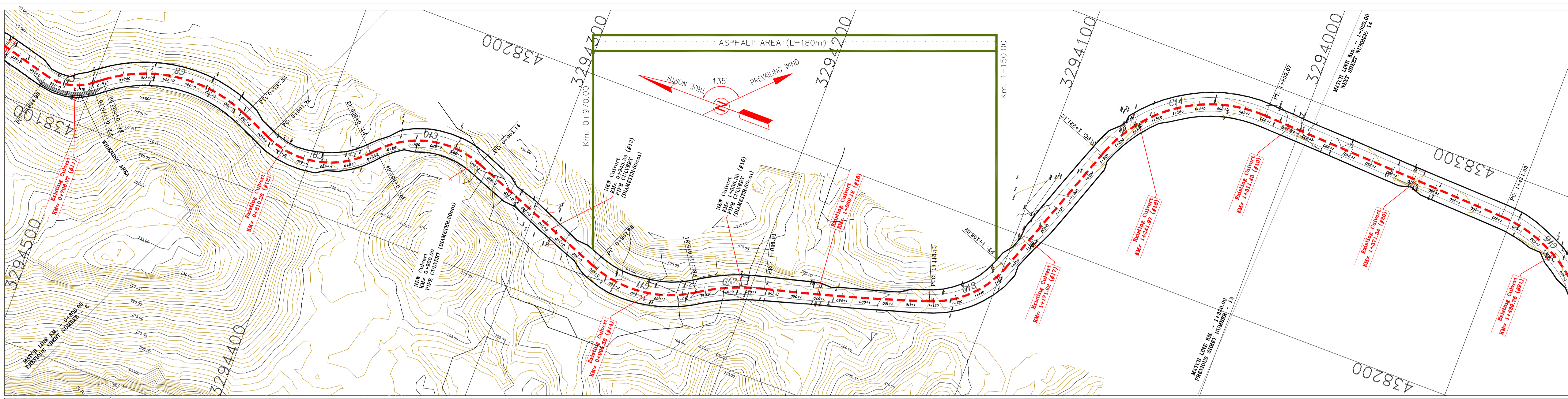
اسلو و کلبه نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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

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	22 OF 99	D05	053-073-9184	F	4	S	708209	22	D05



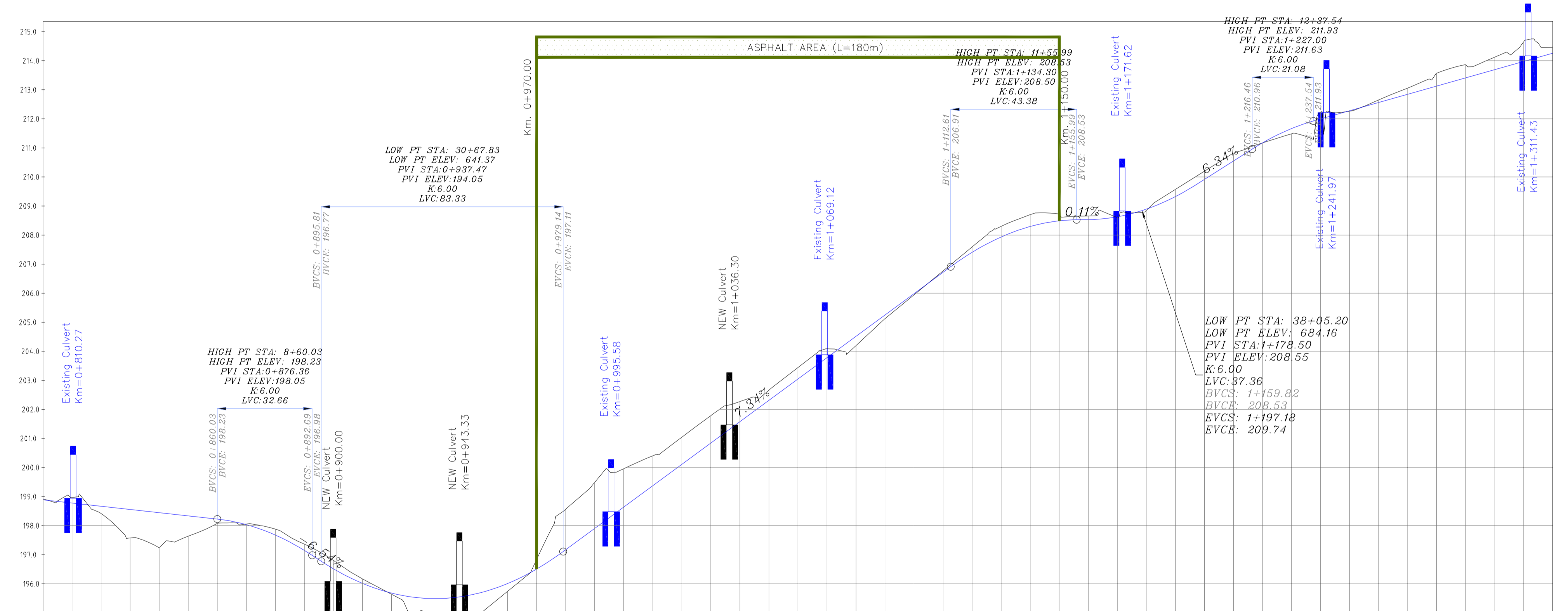
- ### NOTES
- ALL COORDINATES AND ELEVATIONS ARE IN METER.
 - ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
 - GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
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 ELLIPSOID : WORLD GEODETIC SYSTEM 1984 (WGS84)
 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
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 - 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-L-PEDCO-110-PI-DW-0001
 - 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

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



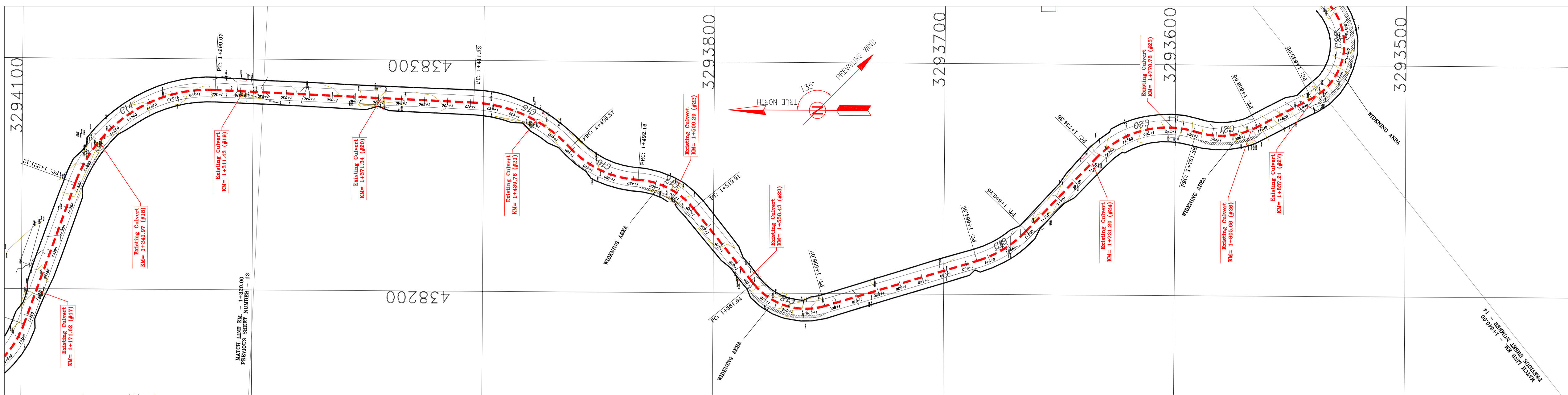
PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KMO	METERS	CURVES
198.76	198.97	100	198.97	810	198.76	D=71°15'27" R=39.00
198.76	198.67	101	198.67	820	198.67	L=2416
198.67	198.59	102	198.59	830	198.59	D=68°40'22" R=40.46
198.59	198.46	103	198.46	840	198.46	L=66.536
198.46	198.54	104	198.54	850	198.54	D=54°29'18" R=50.82
198.54	198.64	105	198.64	860	198.64	D=19°19'32" R=89.24
198.64	198.81	106	198.81	870	198.81	L=65.099
198.81	199.01	107	199.01	880	199.01	D=72°46'40" R=61.37
199.01	199.23	108	199.23	890	199.23	L=112.254
199.23	199.51	109	199.51	900	199.51	
199.51	199.86	110	199.86	910	199.86	
199.86	200.11	111	200.11	920	200.11	
200.11	200.44	112	200.44	930	200.44	
200.44	200.84	113	200.84	940	200.84	
200.84	201.29	114	201.29	950	201.29	
201.29	201.81	115	201.81	960	201.81	
201.81	202.41	116	202.41	970	202.41	
202.41	203.09	117	203.09	980	203.09	
203.09	203.84	118	203.84	990	203.84	
203.84	204.66	119	204.66	1000	204.66	
204.66	205.55	120	205.55	1010	205.55	
205.55	206.51	121	206.51	1020	206.51	
206.51	207.54	122	207.54	1030	207.54	
207.54	208.74	123	208.74	1040	208.74	
208.74	210.09	124	210.09	1050	210.09	
210.09	211.59	125	211.59	1060	211.59	
211.59	213.24	126	213.24	1070	213.24	
213.24	215.04	127	215.04	1080	215.04	
215.04	216.99	128	216.99	1090	216.99	
216.99	219.09	129	219.09	1100	219.09	
219.09	221.34	130	221.34	1110	221.34	
221.34	223.74	131	223.74	1120	223.74	
223.74	226.29	132	226.29	1130	226.29	
226.29	228.99	133	228.99	1140	228.99	
228.99	231.84	134	231.84	1150	231.84	
231.84	234.84	135	234.84	1160	234.84	
234.84	237.99	136	237.99	1170	237.99	
237.99	241.29	137	241.29	1180	241.29	
241.29	244.74	138	244.74	1190	244.74	
244.74	248.34	139	248.34	1200	248.34	
248.34	252.09	140	252.09	1210	252.09	
252.09	255.99	141	255.99	1220	255.99	
255.99	260.04	142	260.04	1230	260.04	
260.04	264.24	143	264.24	1240	264.24	
264.24	268.59	144	268.59	1250	268.59	
268.59	273.09	145	273.09	1260	273.09	
273.09	277.74	146	277.74	1270	277.74	
277.74	282.54	147	282.54	1280	282.54	
282.54	287.49	148	287.49	1290	287.49	
287.49	292.59	149	292.59	1300	292.59	
292.59	297.84	150	297.84	1310	297.84	
297.84	303.24	151	303.24	1320	303.24	
303.24	308.79	152	308.79	1330	308.79	
308.79	314.49	153	314.49	1340	314.49	
314.49	320.34	154	320.34	1350	320.34	
320.34	326.34	155	326.34	1360	326.34	
326.34	332.49	156	332.49	1370	332.49	
332.49	338.79	157	338.79	1380	338.79	
338.79	345.24	158	345.24	1390	345.24	
345.24	351.84	159	351.84	1400	351.84	
351.84	358.59	160	358.59	1410	358.59	
358.59	365.49	161	365.49	1420	365.49	
365.49	372.54	162	372.54	1430	372.54	
372.54	379.74	163	379.74	1440	379.74	
379.74	387.09	164	387.09	1450	387.09	
387.09	394.59	165	394.59	1460	394.59	
394.59	402.24	166	402.24	1470	402.24	
402.24	410.04	167	410.04	1480	410.04	
410.04	417.99	168	417.99	1490	417.99	
417.99	426.09	169	426.09	1500	426.09	
426.09	434.34	170	434.34	1510	434.34	
434.34	442.74	171	442.74	1520	442.74	
442.74	451.29	172	451.29	1530	451.29	
451.29	459.99	173	459.99	1540	459.99	
459.99	468.84	174	468.84	1550	468.84	
468.84	477.84	175	477.84	1560	477.84	
477.84	486.99	176	486.99	1570	486.99	
486.99	496.29	177	496.29	1580	496.29	
496.29	505.74	178	505.74	1590	505.74	
505.74	515.34	179	515.34	1600	515.34	
515.34	525.09	180	525.09	1610	525.09	
525.09	534.99	181	534.99	1620	534.99	
534.99	545.04	182	545.04	1630	545.04	
545.04	555.24	183	555.24	1640	555.24	
555.24	565.59	184	565.59	1650	565.59	
565.59	576.09	185	576.09	1660	576.09	
576.09	586.74	186	586.74	1670	586.74	
586.74	597.54	187	597.54	1680	597.54	
597.54	608.49	188	608.49	1690	608.49	
608.49	619.59	189	619.59	1700	619.59	
619.59	630.84	190	630.84	1710	630.84	
630.84	642.24	191	642.24	1720	642.24	
642.24	653.79	192	653.79	1730	653.79	
653.79	665.49	193	665.49	1740	665.49	
665.49	677.34	194	677.34	1750	677.34	
677.34	689.34	195	689.34	1760	689.34	
689.34	701.49	196	701.49	1770	701.49	
701.49	713.79	197	713.79	1780	713.79	
713.79	726.24	198	726.24	1790	726.24	
726.24	738.84	199	738.84	1800	738.84	
738.84	751.59	200	751.59	1810	751.59	

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
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)
C11	50.62	48.14	S6° 03' 59.77"E	(438121.69,3294267.75)	(438126.59,3294221.67)
C12	89.24	30.10	S23° 38' 52.94"E	(438126.59,3294221.67)	(438138.61,3294194.22)
C13	42.00	37.87	S44° 30' 22.60"E	(438158.92,3294124.92)	(438184.57,3294098.82)
C14	61.37	77.95	S33° 56' 47.38"E	(438245.87,3294076.91)	(438286.54,3294016.50)
C15	60.93	47.24	S24° 39' 25.78"W	(438281.75,3293904.35)	(438262.53,3293862.48)

Station	Northing	Easting
0+980.00	3294255.83	438118.68
0+990.00	3294245.85	438118.40
0+810.00	3294212.47	438121.70
0+820.00	3294202.52	438120.96
0+830.00	3294192.71	438122.77
0+840.00	3294183.69	438121.01
0+850.00	3294176.03	438133.39
0+860.00	3294168.80	438130.28
0+870.00	3294160.17	438145.27
0+880.00	3294150.57	438147.99
0+890.00	3294140.60	438148.28
0+900.00	3294130.86	438146.13
0+910.00	3294121.53	438142.53
0+920.00	3294112.11	438138.92
0+930.00	3294102.88	438135.60
0+940.00	3294093.56	438131.69
0+950.00	3294084.23	438128.08
0+960.00	3294074.91	438124.47
0+970.00	3294065.58	438118.32

PI Station	Northing	Easting
0+829.67	3294394.76	438112.95
0+808.28	3294355.57	438155.72
0+993.74	3294243.45	438112.28



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 ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
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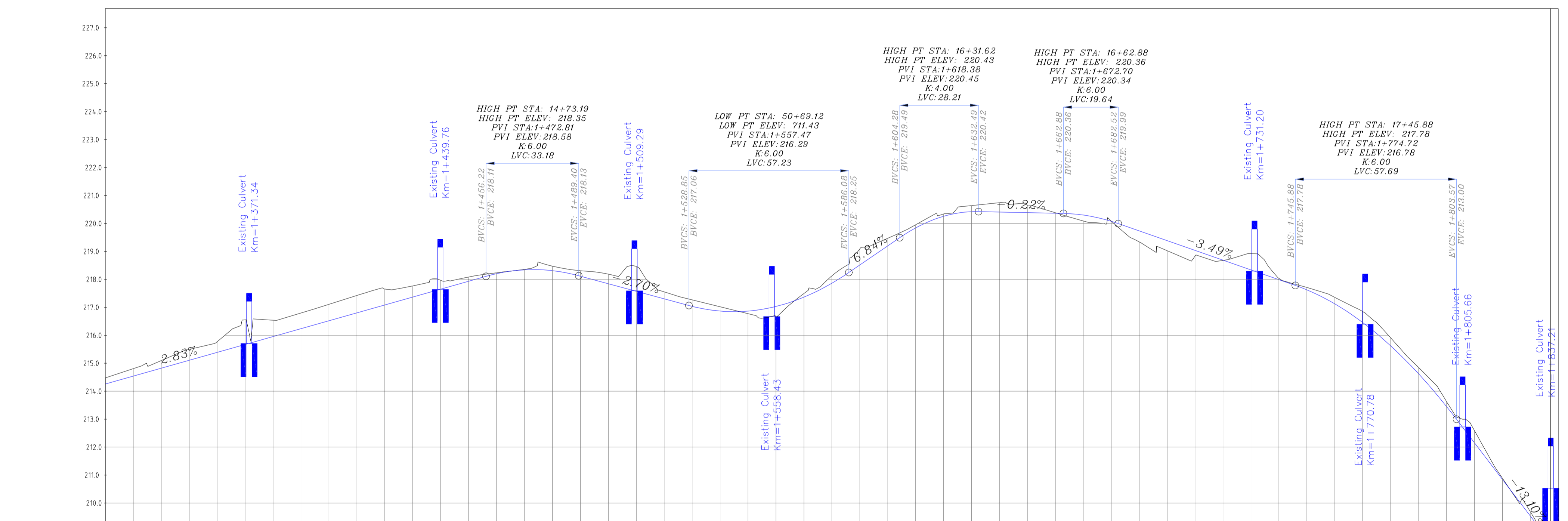
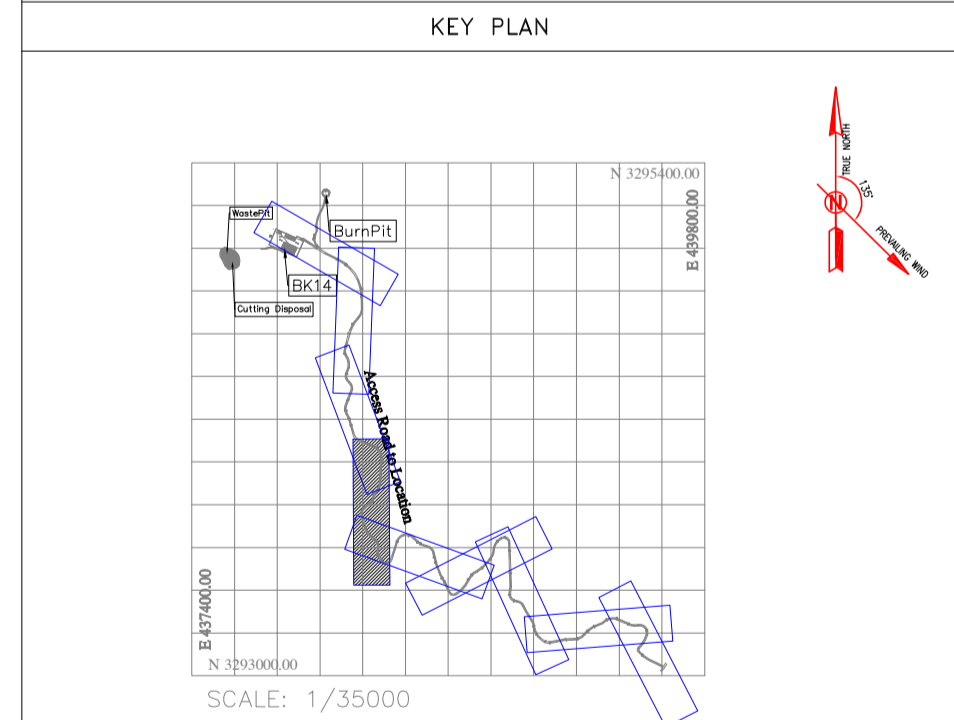
LEGEND

	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		OIL LINE
	ROAD WIDENING AREA		BURN PIT LINE
	NEW BURN PIT LINE		

REFERENCE DRAWING	DRG. No.
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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
 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



PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KM1	METERS	CURVES
214.44	214.44	330	214.44	330	214.44	L=112.254
214.62	214.62	340	214.62	340	214.62	D=44'25"47" R=60.93
216.85	216.85	350	216.85	350	216.85	D=43'52"54" R=43.86
216.84	216.84	360	216.84	360	216.84	D=47'58"30" R=33.14
216.52	216.52	370	216.52	370	216.52	L=41.725
216.86	216.86	380	216.86	380	216.86	D=67'49"04" R=29.09
217.06	217.06	390	217.06	390	217.06	L=68.782
217.08	217.08	400	217.08	400	217.08	D=29'38"16" R=49.10
217.07	217.07	410	217.07	410	217.07	L=44.133
217.05	217.05	420	217.05	420	217.05	D=63'50"00" R=42.18
217.36	217.36	430	217.36	430	217.36	D=45'18"43" R=34.48
217.65	217.65	440	217.65	440	217.65	D=13'70"24" R=38.40
217.66	217.66	450	217.66	450	217.66	L=28.368
217.64	217.64	460	217.64	460	217.64	
217.65	217.65	470	217.65	470	217.65	
217.65	217.65	480	217.65	480	217.65	
217.65	217.65	490	217.65	490	217.65	
217.65	217.65	500	217.65	500	217.65	
217.65	217.65	510	217.65	510	217.65	
217.65	217.65	520	217.65	520	217.65	
217.65	217.65	530	217.65	530	217.65	
217.65	217.65	540	217.65	540	217.65	
217.65	217.65	550	217.65	550	217.65	
217.65	217.65	560	217.65	560	217.65	
217.65	217.65	570	217.65	570	217.65	
217.65	217.65	580	217.65	580	217.65	
217.65	217.65	590	217.65	590	217.65	
217.65	217.65	600	217.65	600	217.65	
217.65	217.65	610	217.65	610	217.65	
217.65	217.65	620	217.65	620	217.65	
217.65	217.65	630	217.65	630	217.65	
217.65	217.65	640	217.65	640	217.65	
217.65	217.65	650	217.65	650	217.65	
217.65	217.65	660	217.65	660	217.65	
217.65	217.65	670	217.65	670	217.65	
217.65	217.65	680	217.65	680	217.65	
217.65	217.65	690	217.65	690	217.65	
217.65	217.65	700	217.65	700	217.65	
217.65	217.65	710	217.65	710	217.65	
217.65	217.65	720	217.65	720	217.65	
217.65	217.65	730	217.65	730	217.65	
217.65	217.65	740	217.65	740	217.65	
217.65	217.65	750	217.65	750	217.65	
217.65	217.65	760	217.65	760	217.65	
217.65	217.65	770	217.65	770	217.65	
217.65	217.65	780	217.65	780	217.65	
217.65	217.65	790	217.65	790	217.65	
217.65	217.65	800	217.65	800	217.65	
217.65	217.65	810	217.65	810	217.65	
217.65	217.65	820	217.65	820	217.65	
217.65	217.65	830	217.65	830	217.65	
217.65	217.65	840	217.65	840	217.65	

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C14	61.37	77.95	S33° 56' 47.38"E	(438245.87,3294076.91)	(438286.54,3294016.50)
C15	60.93	47.24	S24° 39' 25.78"W	(438281.75,3293904.35)	(438262.53,3293862.48)
C16	43.86	33.59	S24° 55' 51.90"W	(438262.53,3293862.48)	(438248.71,3293832.76)
C17	33.14	27.75	S26° 58' 40.05"W	(438248.71,3293832.76)	(438236.49,3293808.75)
C18	29.09	34.43	S17° 03' 23.37"W	(438204.08,3293782.47)	(438194.56,3293751.44)
C19	49.10	25.40	S31° 40' 16.49"E	(438214.50,3293685.61)	(438227.69,3293664.24)
C20	42.18	47.00	S14° 34' 24.38"E	(438259.70,3293633.85)	(438270.92,3293590.68)
C21	34.48	27.27	S5° 18' 46.00"E	(438270.92,3293590.68)	(438273.38,3293564.23)
C22	26.40	61.94	N84° 48' 40.27"E	(438285.75,3293540.94)	(438334.23,3293545.35)

Station	Northing	Easting
1+320.00	3299955.60	438285.64
1+330.00	3299985.61	438285.22
1+340.00	3299975.61	438284.79
1+350.00	3299965.62	438284.36
1+360.00	3299955.63	438283.94
1+370.00	3299945.64	438283.51
1+380.00	3299935.65	438283.09
1+390.00	3299925.66	438282.66
1+400.00	3299915.67	438282.23
1+410.00	3299905.68	438281.81
1+420.00	3299895.74	438280.77
1+430.00	3299885.11	438278.13
1+440.00	3299877.03	438273.96
1+450.00	3299868.76	438268.35
1+460.00	3299861.49	438261.50
1+470.00	3299853.68	438255.30
1+480.00	3299844.66	438251.01
1+490.00	3299834.92	438248.88
1+500.00	3299825.06	438247.39

Station	Northing	Easting
1+510.00	3299816.04	438243.15
1+520.00	3299808.09	438238.42
1+530.00	3299802.39	438232.66
1+540.00	3299796.10	438226.89
1+550.00	3299789.80	438221.12
1+560.00	3299783.50	438215.35
1+570.00	3299777.35	438209.43
1+580.00	3299771.30	438203.28
1+590.00	3299765.29	438196.94
1+600.00	3299759.38	438190.40
1+610.00	3299753.38	438183.32
1+620.00	3299748.54	438176.70
1+630.00	3299743.71	438170.40
1+640.00	3299738.97	438163.44
1+650.00	3299734.38	438156.84
1+660.00	3299730.00	438150.60
1+670.00	3299725.88	438144.72
1+680.00	3299722.00	438139.20
1+690.00	3299718.45	438134.04
1+700.00	3299715.22	438129.24

Station	Northing	Easting
1+710.00	3299712.42	438124.80
1+720.00	3299709.49	438120.69
1+730.00	3299706.87	438116.52
1+740.00	3299704.52	438112.30
1+750.00	3299702.41	438108.03
1+760.00	3299700.52	438103.72
1+770.00	3299698.84	438099.36
1+780.00	3299697.36	438094.94
1+790.00	3299696.08	438090.46
1+800.00	3299695.00	438085.92
1+810.00	3299694.11	438081.32
1+820.00	3299693.41	438076.66
1+830.00	3299692.88	438071.94
1+840.00	3299693.52	438068.16

PI Station	Northing	Easting
1+436.21	3299879.49	438280.69
1+476.24	3299850.40	438249.64
1+506.91	3299838.03	438247.95
1+581.19	3299770.15	438188.89
1+677.84	3299673.18	438218.27
1+760.65	3299615.76	438278.75
1+795.77	3299576.95	438266.63

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.
D05	AUG.2023	AFG	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	**
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 ACCESS ROAD PLAN AND PROFILE

SCALE: 1/1000

SIZE: A1

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

SHEET NO.: 24 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 24

REVISION: D05

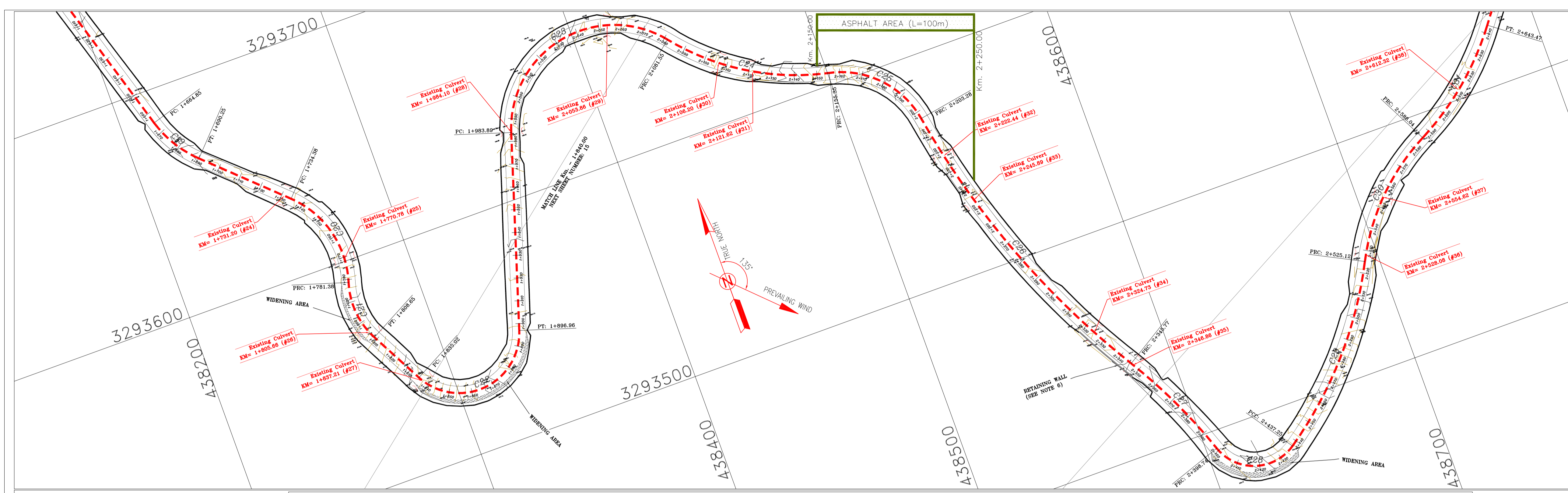
اسلو و کله نسخ این نقشه و حق اقتباس متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.

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

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:



- 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-L-PEDCO-110-PI-DW-0001
 - THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

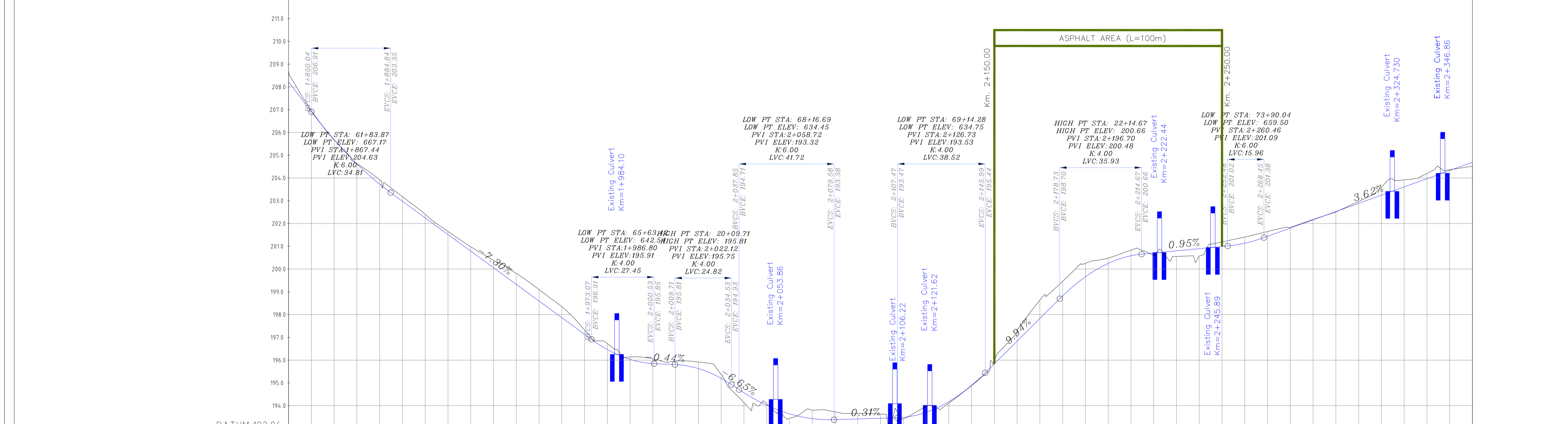
- LEGEND**
- WELL LOCATION
 - WELL
 - SITE
 - CAMP SITE
 - ASPHALT ROAD
 - GRAVEL ROAD
 - PROPOSED ROAD
 - DAYLIGHT
 - RETAINING WALL
 - ROAD WIDENING AREA
 - CANAL
 - RIVER
 - WATER COURSE
 - CONTOURS
 - SPOT HEIGHT
 - BENCH MARK
 - BRIDGE
 - CULVERT
 - OIL LINE
 - BURN PIT LINE
 - NEW BURN PIT LINE

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

KEY PLAN



PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KM2	METERS	CURVES
1860.00	1860.00	850	1860.00	850	1860.00	D=134*26'24" R=26.40
1860.00	1860.00	860	1860.00	860	1860.00	L=86.930
1860.00	1860.00	870	1860.00	870	1860.00	1+896 Mid
1860.00	1860.00	880	1860.00	880	1860.00	1+897 P.T
1860.00	1860.00	890	1860.00	890	1860.00	1+984 P.C
1860.00	1860.00	900	1860.00	900	1860.00	2+033 Mid
1860.00	1860.00	910	1860.00	910	1860.00	D=123*18'35" R=45.38
1860.00	1860.00	920	1860.00	920	1860.00	D=38*40'47" R=109.32
1860.00	1860.00	930	1860.00	930	1860.00	D=68*00'02" R=40.39
1860.00	1860.00	940	1860.00	940	1860.00	
1860.00	1860.00	950	1860.00	950	1860.00	
1860.00	1860.00	960	1860.00	960	1860.00	
1860.00	1860.00	970	1860.00	970	1860.00	
1860.00	1860.00	980	1860.00	980	1860.00	
1860.00	1860.00	990	1860.00	990	1860.00	
1860.00	1860.00	1000	1860.00	1000	1860.00	
1860.00	1860.00	1010	1860.00	1010	1860.00	
1860.00	1860.00	1020	1860.00	1020	1860.00	
1860.00	1860.00	1030	1860.00	1030	1860.00	
1860.00	1860.00	1040	1860.00	1040	1860.00	
1860.00	1860.00	1050	1860.00	1050	1860.00	
1860.00	1860.00	1060	1860.00	1060	1860.00	
1860.00	1860.00	1070	1860.00	1070	1860.00	
1860.00	1860.00	1080	1860.00	1080	1860.00	
1860.00	1860.00	1090	1860.00	1090	1860.00	
1860.00	1860.00	1100	1860.00	1100	1860.00	
1860.00	1860.00	1110	1860.00	1110	1860.00	
1860.00	1860.00	1120	1860.00	1120	1860.00	
1860.00	1860.00	1130	1860.00	1130	1860.00	
1860.00	1860.00	1140	1860.00	1140	1860.00	
1860.00	1860.00	1150	1860.00	1150	1860.00	
1860.00	1860.00	1160	1860.00	1160	1860.00	
1860.00	1860.00	1170	1860.00	1170	1860.00	
1860.00	1860.00	1180	1860.00	1180	1860.00	
1860.00	1860.00	1190	1860.00	1190	1860.00	
1860.00	1860.00	1200	1860.00	1200	1860.00	
1860.00	1860.00	1210	1860.00	1210	1860.00	
1860.00	1860.00	1220	1860.00	1220	1860.00	
1860.00	1860.00	1230	1860.00	1230	1860.00	
1860.00	1860.00	1240	1860.00	1240	1860.00	
1860.00	1860.00	1250	1860.00	1250	1860.00	
1860.00	1860.00	1260	1860.00	1260	1860.00	
1860.00	1860.00	1270	1860.00	1270	1860.00	
1860.00	1860.00	1280	1860.00	1280	1860.00	
1860.00	1860.00	1290	1860.00	1290	1860.00	
1860.00	1860.00	1300	1860.00	1300	1860.00	
1860.00	1860.00	1310	1860.00	1310	1860.00	
1860.00	1860.00	1320	1860.00	1320	1860.00	
1860.00	1860.00	1330	1860.00	1330	1860.00	
1860.00	1860.00	1340	1860.00	1340	1860.00	
1860.00	1860.00	1350	1860.00	1350	1860.00	

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C19	49.10	25.40	S31° 40' 16.49"E	(438214.50,3293685.61)	(438227.69,3293664.24)
C20	42.18	47.00	S14° 34' 24.38"E	(438259.70,3293633.85)	(438270.92,3293590.68)
C21	34.48	27.27	S5° 18' 46.00"E	(438270.92,3293590.68)	(438273.38,3293564.23)
C22	26.40	61.94	N84° 48' 40.27"E	(438285.75,3293540.94)	(438334.23,3293545.35)
C23	45.38	97.66	N79° 14' 45.54"E	(438360.50,3293628.21)	(438438.97,3293643.12)
C24	109.32	73.80	S58° 26' 20.63"E	(438438.97,3293643.12)	(438500.67,3293605.22)
C25	40.39	47.93	S43° 46' 43.16"E	(438500.67,3293605.22)	(438531.92,3293572.60)
C26	373.14	142.49	S20° 43' 04.02"E	(438531.92,3293572.60)	(438582.02,3293440.14)
C27	239.81	52.97	S25° 19' 44.88"E	(438582.02,3293440.14)	(438604.63,3293392.36)
C28	20.92	38.51	S71° 44' 47.10"E	(438604.63,3293392.36)	(438636.25,3293381.93)
C29	178.14	87.87	N41° 22' 36.08"E	(438636.25,3293381.93)	(438693.75,3293447.20)
C30	98.32	60.92	N44° 59' 38.16"E	(438693.75,3293447.20)	(438736.14,3293489.60)
C31	126.95	57.43	N49° 46' 57.67"E	(438736.14,3293489.60)	(438779.62,3293526.37)

Station	Northing	Easting
1+840.00	3293536.79	438288.48
1+850.00	3293530.35	438296.06
1+860.00	3293527.17	438305.48
1+870.00	3293522.70	438315.40
1+880.00	3293518.86	438324.43
1+890.00	3293513.06	438331.28
1+900.00	3293506.48	438335.15
1+910.00	3293499.24	438338.17
1+920.00	3293491.41	438341.19
1+930.00	3293482.04	438344.21
1+940.00	3293471.24	438347.23
1+950.00	3293459.01	438349.94
1+960.00	3293445.47	438352.26
1+970.00	3293430.74	438354.12
1+980.00	3293414.93	438355.52
1+990.00	3293398.09	438356.47
2+000.00	3293380.24	438356.96
2+010.00	3293361.44	438357.03
2+020.00	3293341.74	438357.12

PI Station	Northing	Easting
1+897.88	3293485.42	438315.23
2+068.01	3293708.39	438385.92
2+119.92	3293613.34	438463.17
2+182.59	3293599.45	438527.29
2+275.40	3293501.53	438544.17

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
D05	AUG.2023	AFK	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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	***

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

SCALE: 1/1000

SIZE: A1

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

SHEET NO.: 25 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 25

REVISION: D05

APPROVED FOR CONSTRUCTION

BY: [Signature]

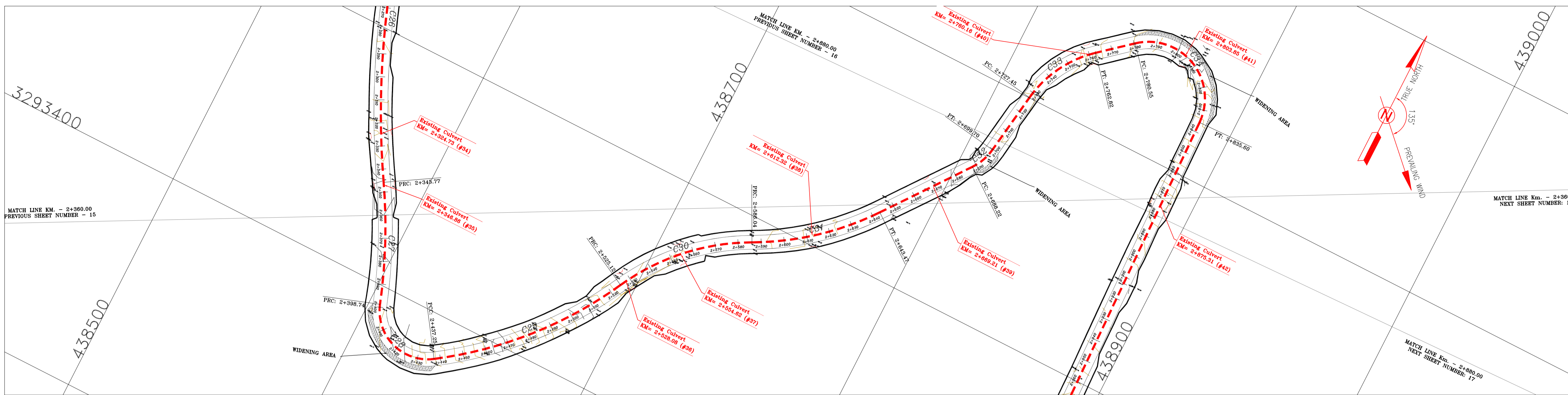
DATE: [Date]

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION

BY: [Signature]

DATE: [Date]



- ### 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.
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 - PIPE SUPPORT NUMBERS AND SPACING SHALL BE BASED ON: BK-SSGRL-PEDCO-110-PI-DW-0001
 - 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		

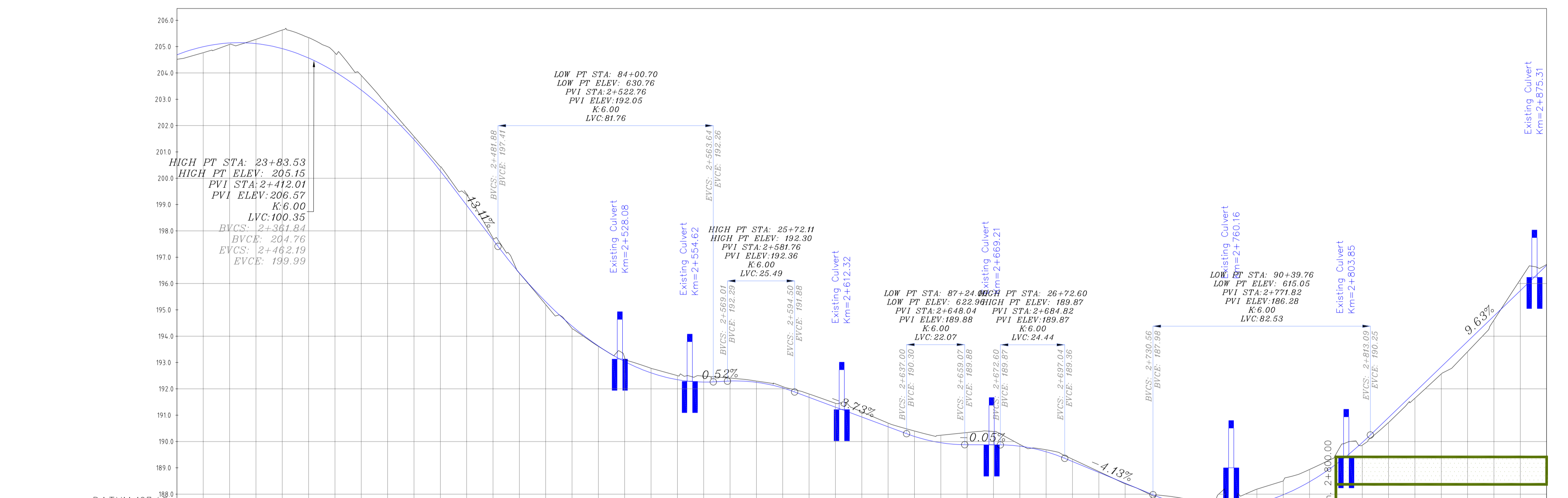
REFERENCE DRAWING

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
 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



PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KM2	METERS	CURVES
189.49	189.49	3293400	189.49	329	329.49	D=12°39'22" R=239.81
190.00	190.00	3293410	190.00	330	329.50	D=105°29'26" R=20.92
190.14	190.14	3293420	190.14	340	329.60	D=281°5'47" R=178.14
190.26	190.26	3293430	190.26	350	329.70	D=35°29'51" R=98.32
190.35	190.35	3293440	190.35	360	329.80	D=25°55'12" R=126.95
190.47	190.47	3293450	190.47	370	329.90	L=44.753
190.57	190.57	3293460	190.57	380	330.00	D=28°29'16" R=23.07
190.66	190.66	3293470	190.66	390	330.10	L=27.797
190.76	190.76	3293480	190.76	400	330.20	D=41°10'06" R=49.23
190.82	190.82	3293490	190.82	410	330.30	L=17.724
190.87	190.87	3293500	190.87	420	330.40	D=128°44'01" R=24.50
190.91	190.91	3293510	190.91	430	330.50	L=209.385
190.94	190.94	3293520	190.94	440	330.60	
190.96	190.96	3293530	190.96	450	330.70	
190.97	190.97	3293540	190.97	460	330.80	
190.98	190.98	3293550	190.98	470	330.90	
190.98	190.98	3293560	190.98	480	331.00	
190.97	190.97	3293570	190.97	490	331.10	
190.94	190.94	3293580	190.94	500	331.20	
190.88	190.88	3293590	190.88	510	331.30	
190.82	190.82	3293600	190.82	520	331.40	
190.76	190.76	3293610	190.76	530	331.50	
190.69	190.69	3293620	190.69	540	331.60	
190.61	190.61	3293630	190.61	550	331.70	
190.52	190.52	3293640	190.52	560	331.80	
190.42	190.42	3293650	190.42	570	331.90	
190.31	190.31	3293660	190.31	580	332.00	
190.20	190.20	3293670	190.20	590	332.10	
190.08	190.08	3293680	190.08	600	332.20	
190.00	190.00	3293690	190.00	610	332.30	
189.95	189.95	3293700	189.95	620	332.40	
189.91	189.91	3293710	189.91	630	332.50	
189.87	189.87	3293720	189.87	640	332.60	
189.82	189.82	3293730	189.82	650	332.70	
189.76	189.76	3293740	189.76	660	332.80	
189.69	189.69	3293750	189.69	670	332.90	
189.61	189.61	3293760	189.61	680	333.00	
189.52	189.52	3293770	189.52	690	333.10	
189.42	189.42	3293780	189.42	700	333.20	
189.31	189.31	3293790	189.31	710	333.30	
189.20	189.20	3293800	189.20	720	333.40	
189.08	189.08	3293810	189.08	730	333.50	
188.95	188.95	3293820	188.95	740	333.60	
188.82	188.82	3293830	188.82	750	333.70	
188.69	188.69	3293840	188.69	760	333.80	
188.56	188.56	3293850	188.56	770	333.90	
188.42	188.42	3293860	188.42	780	334.00	
188.28	188.28	3293870	188.28	790	334.10	
188.13	188.13	3293880	188.13	800	334.20	
187.98	187.98	3293890	187.98	810	334.30	
187.82	187.82	3293900	187.82	820	334.40	
187.65	187.65	3293910	187.65	830	334.50	
187.47	187.47	3293920	187.47	840	334.60	
187.28	187.28	3293930	187.28	850	334.70	
187.08	187.08	3293940	187.08	860	334.80	
186.87	186.87	3293950	186.87	870	334.90	
186.65	186.65	3293960	186.65	880	335.00	
186.42	186.42	3293970	186.42	890	335.10	
186.18	186.18	3293980	186.18	900	335.20	
185.93	185.93	3293990	185.93	910	335.30	
185.67	185.67	3294000	185.67	920	335.40	
185.40	185.40	3294010	185.40	930	335.50	
185.12	185.12	3294020	185.12	940	335.60	
184.83	184.83	3294030	184.83	950	335.70	
184.53	184.53	3294040	184.53	960	335.80	
184.22	184.22	3294050	184.22	970	335.90	
183.90	183.90	3294060	183.90	980	336.00	
183.57	183.57	3294070	183.57	990	336.10	
183.23	183.23	3294080	183.23	1000	336.20	

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C26	373.14	142.49	S20° 43' 04.02"E	(438531.92,3293572.60)	(438582.02,3293440.14)
C27	239.81	52.97	S25° 19' 44.88"E	(438582.02,3293440.14)	(438604.63,3293392.36)
C28	20.92	38.51	S71° 44' 47.10"E	(438604.63,3293392.36)	(438636.25,3293381.93)
C29	178.14	87.87	N41° 22' 36.08"E	(438636.25,3293381.93)	(438693.75,3293447.20)
C30	98.32	60.92	N44° 59' 38.16"E	(438693.75,3293447.20)	(438736.14,3293489.60)
C31	126.95	57.43	N49° 46' 57.67"E	(438736.14,3293489.60)	(438779.62,3293526.37)
C32	23.07	11.47	N22° 34' 43.64"E	(438806.44,3293562.19)	(438810.80,3293572.67)
C33	49.23	35.37	N28° 55' 08.79"E	(438814.82,3293600.14)	(438831.56,3293630.44)
C34	24.50	55.05	S66° 07' 47.91"E	(438845.04,3293641.95)	(438885.44,3293624.07)

Station	Northing	Easting
2+550.00	3293467.65	438707.80
2+560.00	3293471.76	438714.83
2+570.00	3293481.91	438721.54
2+580.00	3293496.67	438730.86
2+590.00	3293491.47	438739.63
2+600.00	3293466.66	438748.17
2+610.00	3293502.51	438756.28
2+620.00	3293508.98	438763.90
2+630.00	3293516.03	438770.99
2+640.00	3293523.61	438777.50
2+650.00	3293531.59	438783.53
2+660.00	3293539.60	438789.53
2+670.00	3293547.60	438795.52
2+680.00	3293555.61	438801.51
2+690.00	3293563.65	438807.45
2+700.00	3293572.72	438813.74
2+710.00	3293582.87	438821.29
2+720.00	3293592.76	438828.29
2+730.00	3293602.65	438835.26
2+740.00	3293612.19	438841.20

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.
D05	AUG.2023	AFC	R.BERLOUE	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUE	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUE	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUE	M.MEHRSHAD	A.M.MOHSSENI	***
D01	NOV.2022	IFA	R.BERLOUE	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUE	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

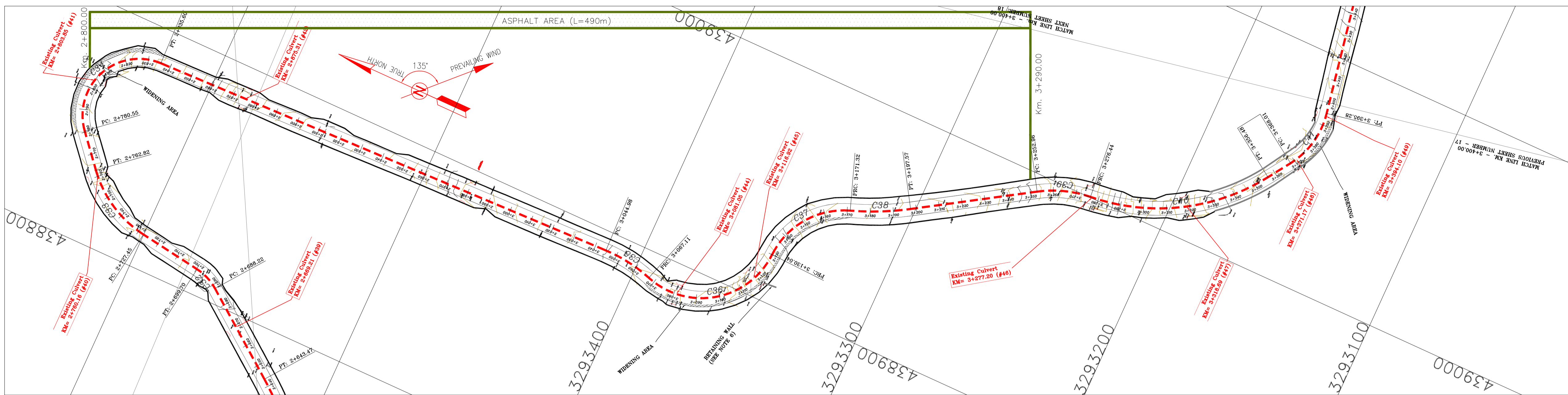
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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

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	26 OF 99	D05	053-073-9184	F	4	S	708209	26	D05



- 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-SSGRL-PEDCO-110-PI-DW-0001
 - THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

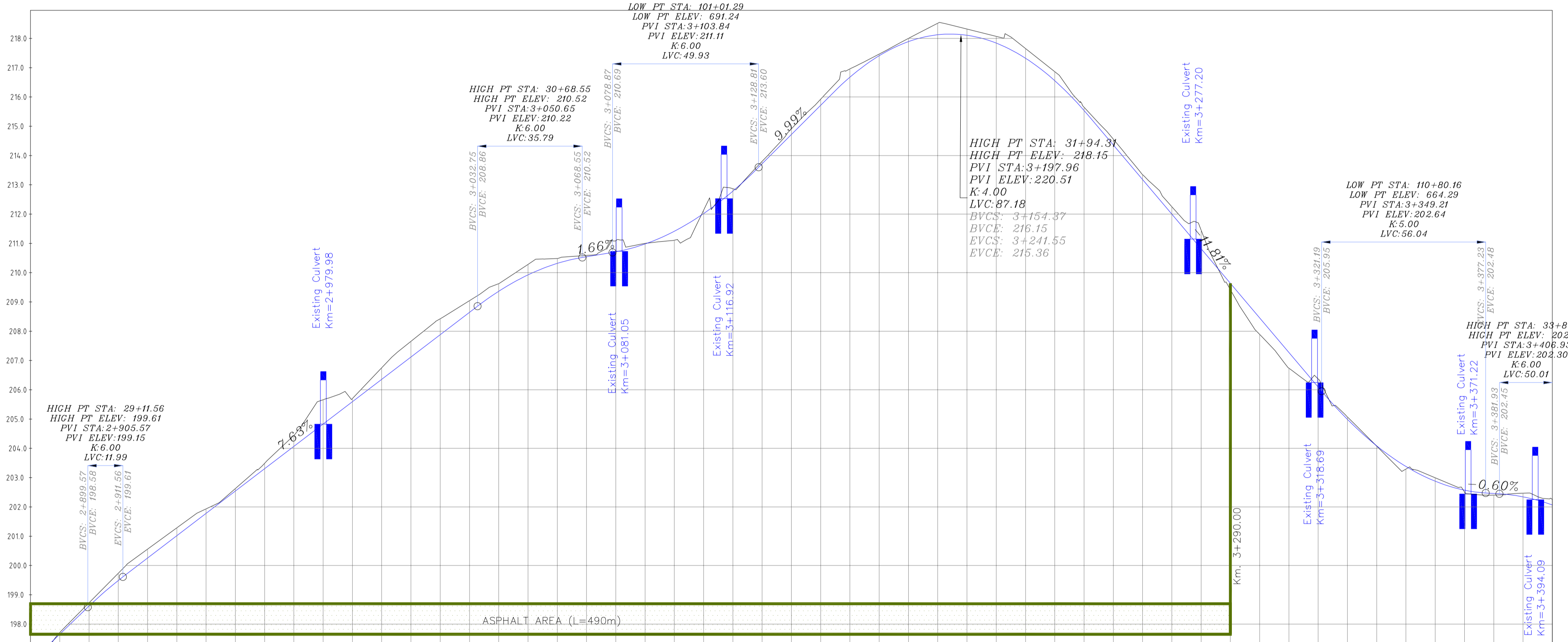
- LEGEND**
- WELL LOCATION
 - WELL
 - SITE
 - CAMP SITE
 - ASPHALT ROAD
 - GRAVEL ROAD
 - PROPOSED ROAD
 - DAYLIGHT
 - RETAINING WALL
 - ROAD WIDENING AREA
 - CANAL
 - RIVER
 - WATER COURSE
 - CONTOURS
 - SPOT HEIGHT
 - BENCH MARK
 - BRIDGE
 - CULVERT
 - OIL LINE
 - BURN PIT LINE
 - NEW BURN PIT LINE

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

KEY PLAN



PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KM2	METERS	CURVES
199.66	199.66	889	199.66	890	199.66	
199.65	199.65	890	199.65	900	199.65	
199.62	199.62	891	199.62	910	199.62	
199.40	199.40	920	199.40	920	199.40	
206.25	206.25	930	206.25	930	206.25	
206.02	206.02	940	206.02	940	206.02	
206.79	206.79	950	206.79	950	206.79	
206.54	206.54	960	206.54	960	206.54	
206.33	206.33	970	206.33	970	206.33	
206.07	206.07	980	206.07	980	206.07	
205.99	205.99	990	205.99	990	205.99	
205.59	205.59	1000	205.59	1000	205.59	
206.36	206.36	1010	206.36	1010	206.36	
207.12	207.12	1020	207.12	1020	207.12	
207.88	207.88	1030	207.88	1030	207.88	
208.65	208.65	1040	208.65	1040	208.65	
209.37	209.37	1050	209.37	1050	209.37	
209.82	209.82	1060	209.82	1060	209.82	
210.39	210.39	1070	210.39	1070	210.39	
210.94	210.94	1080	210.94	1080	210.94	
210.71	210.71	1090	210.71	1090	210.71	
210.89	210.89	1100	210.89	1100	210.89	
211.41	211.41	1110	211.41	1110	211.41	
212.02	212.02	1120	212.02	1120	212.02	
212.69	212.69	1130	212.69	1130	212.69	
213.76	213.76	1140	213.76	1140	213.76	
214.72	214.72	1150	214.72	1150	214.72	
215.72	215.72	1160	215.72	1160	215.72	
216.69	216.69	1170	216.69	1170	216.69	
217.41	217.41	1180	217.41	1180	217.41	
217.89	217.89	1190	217.89	1190	217.89	
218.12	218.12	1200	218.12	1200	218.12	
218.11	218.11	1210	218.11	1210	218.11	
218.84	218.84	1220	218.84	1220	218.84	
217.33	217.33	1230	217.33	1230	217.33	
216.56	216.56	1240	216.56	1240	216.56	
215.54	215.54	1250	215.54	1250	215.54	
214.39	214.39	1260	214.39	1260	214.39	
213.18	213.18	1270	213.18	1270	213.18	
212.02	212.02	1280	212.02	1280	212.02	
210.99	210.99	1290	210.99	1290	210.99	
210.02	210.02	1300	210.02	1300	210.02	
209.09	209.09	1310	209.09	1310	209.09	
208.29	208.29	1320	208.29	1320	208.29	
207.59	207.59	1330	207.59	1330	207.59	
207.09	207.09	1340	207.09	1340	207.09	
206.79	206.79	1350	206.79	1350	206.79	
206.59	206.59	1360	206.59	1360	206.59	
206.49	206.49	1370	206.49	1370	206.49	
206.49	206.49	1380	206.49	1380	206.49	
206.49	206.49	1390	206.49	1390	206.49	
206.49	206.49	1400	206.49	1400	206.49	

Curve Table: Alignments

Curve #	Radius	Length	Chord Direction	Start Point	End Point
C32	23.07	11.47	N22° 34' 43.64"E	(438806.44,3293562.19)	(438810.80,3293572.67)
C33	49.23	35.37	N28° 55' 08.79"E	(438814.82,3293600.14)	(438831.56,3293630.44)
C34	24.50	55.05	S66° 07' 47.91"E	(438845.04,3293641.95)	(438885.44,3293624.07)
C35	65.37	22.13	S7° 56' 08.79"W	(438891.88,3293414.78)	(438888.84,3293392.97)
C36	34.15	62.93	S35° 09' 36.23"E	(438888.84,3293392.97)	(438920.17,3293348.50)
C37	34.74	41.28	S53° 54' 35.73"E	(438920.17,3293348.50)	(438951.60,3293325.59)
C38	120.28	26.25	S26° 06' 58.48"E	(438951.60,3293325.59)	(438963.13,3293302.07)
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)

Station	Northing	Easting	PI Station	Northing	Easting
2+800.00	3293579.68	438896.81	3+070.00	3293390.18	438888.08
2+850.00	3293569.69	438897.11	3+080.00	3293380.25	438887.32
2+900.00	3293559.69	438897.42	3+090.00	3293370.51	438889.46
2+950.00	3293549.70	438897.73	3+100.00	3293361.81	438894.31
2+960.00	3293539.70	438898.04	3+110.00	3293354.88	438901.47
2+970.00	3293529.71	438898.35	3+120.00	3293350.32	438910.33
2+980.00	3293519.71	438898.66	3+130.00	3293348.50	438920.13
2+990.00	3293509.72	438898.96	3+140.00	3293346.73	438929.93
2+995.00	3293499.72	438899.27	3+150.00	3293342.25	438938.83
3+000.00	3293489.73	438899.58	3+160.00	3293335.43	438946.10
3+005.00	3293479.73	438899.89	3+170.00	3293326.82	438951.12
3+010.00	3293469.74	438899.19	3+180.00	3293317.54	438954.84
3+015.00	3293459.74	438899.50	3+190.00	3293308.58	438959.28
3+020.00	3293449.75	438899.81	3+200.00	3293300.01	438964.43
3+025.00	3293439.75	438899.11	3+210.00	3293291.57	438969.78
3+030.00	3293429.76	438899.42	3+220.00	3293283.12	438975.14
3+035.00	3293419.76	438899.73	3+230.00	3293274.67	438980.49
3+040.00	3293409.76	438899.15	3+240.00	3293266.23	438985.84
3+045.00	3293400.76	438899.56	3+250.00	3293257.78	438991.20
3+050.00	3293390.76	438899.97	3+260.00	3293249.09	438996.52

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.
D05	AUG.2023					
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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

SCALE: 1/1000

SIZE: A1

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

SHEET NO.: 27 OF 99

REV.: D05

BUDGET REF. LOCATION: 053-073-9184

SIZE CLASS: F 4 S

SERIAL NO.: 708209

SHEET: 27

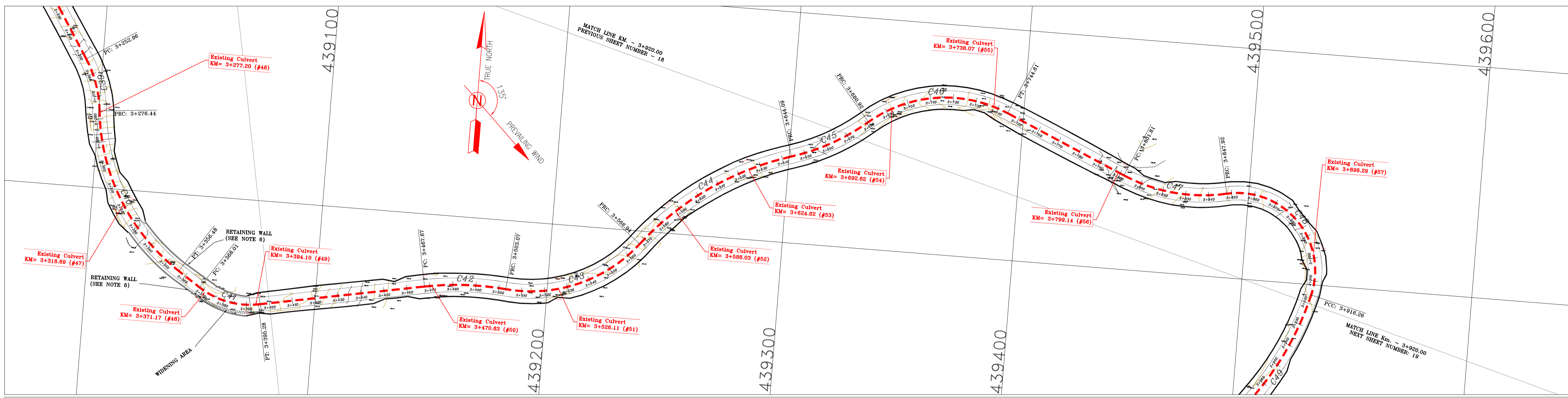
REVISION: D05

APPROVED FOR CONSTRUCTION

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

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NOTES

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- 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

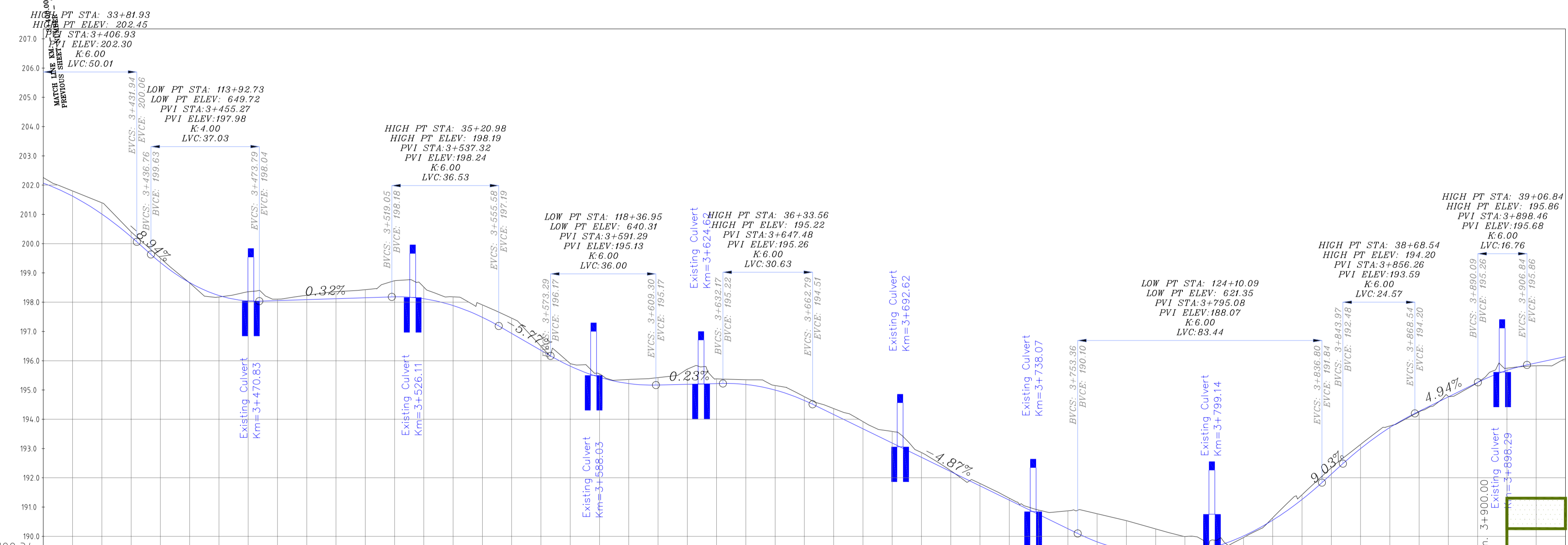
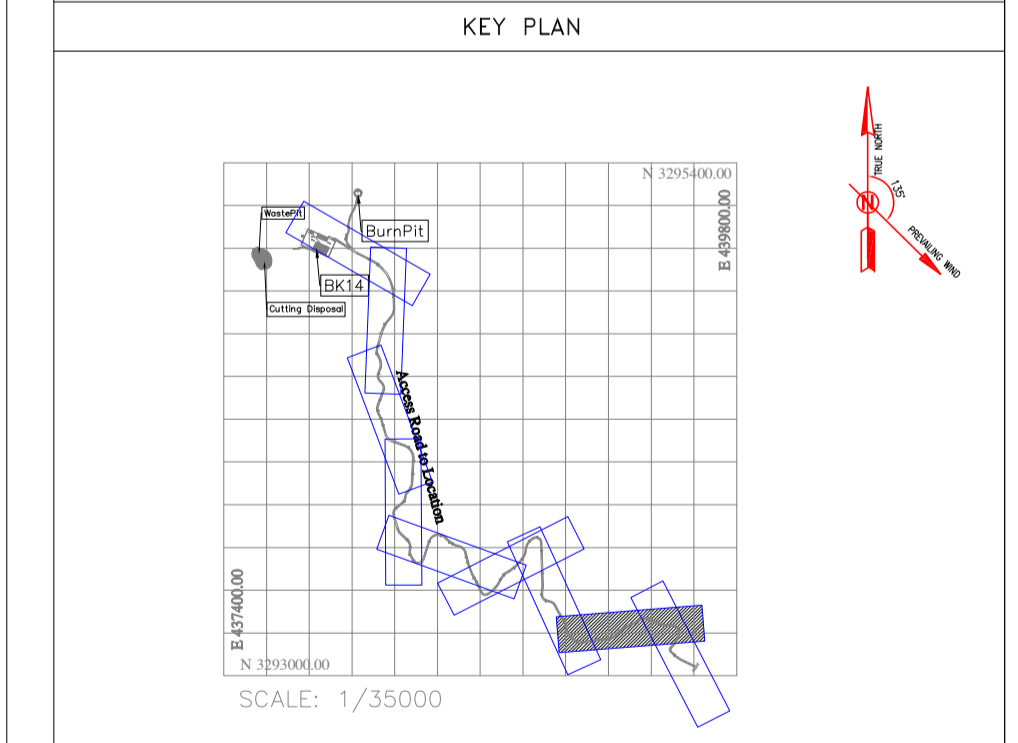
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		OIL LINE
	ROAD WIDENING AREA		BURN PIT LINE
	NEW BURN PIT LINE		

REFERENCE DRAWING

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



PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER KM3	METERS	CURVES
3+400.00	3+410.00	410	190.00	410	L=72.383	
3+420.00	3+430.00	420	190.00	420	D=16°00'42" R=126.68	
3+440.00	3+450.00	430	190.00	430	D=57°01'16" R=64.18	
3+460.00	3+470.00	440	190.00	440	D=34°20'54" R=128.68	
3+480.00	3+490.00	450	190.00	450	D=22°37'24" R=93.29	
3+500.00	3+510.00	460	190.00	460	D=63°32'46" R=57.42	
3+520.00	3+530.00	470	190.00	470	L=57.208	
3+540.00	3+550.00	480	190.00	480	D=36°05'38" R=73.19	
3+560.00	3+570.00	490	190.00	490	D=116°23'38" R=33.64	
3+580.00	3+590.00	500	190.00	500	D=33°45'31" R=130.00	

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	3293117.87	438913.69
3+640.00	3293079.73	438747.03
3+660.00	3293041.59	438580.37
3+680.00	3293003.45	438413.71
3+700.00	3292965.31	438247.05
3+720.00	3292927.17	438080.39
3+740.00	3292888.03	437913.73
3+760.00	3292849.89	437747.07
3+780.00	3292811.75	437580.41
3+800.00	3292773.61	437413.75
3+820.00	3292735.47	437247.09
3+840.00	3292697.33	437080.43
3+860.00	3292659.19	436913.77
3+880.00	3292621.05	436747.11
3+900.00	3292582.91	436580.45
3+920.00	3292544.77	436413.79

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
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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	***

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

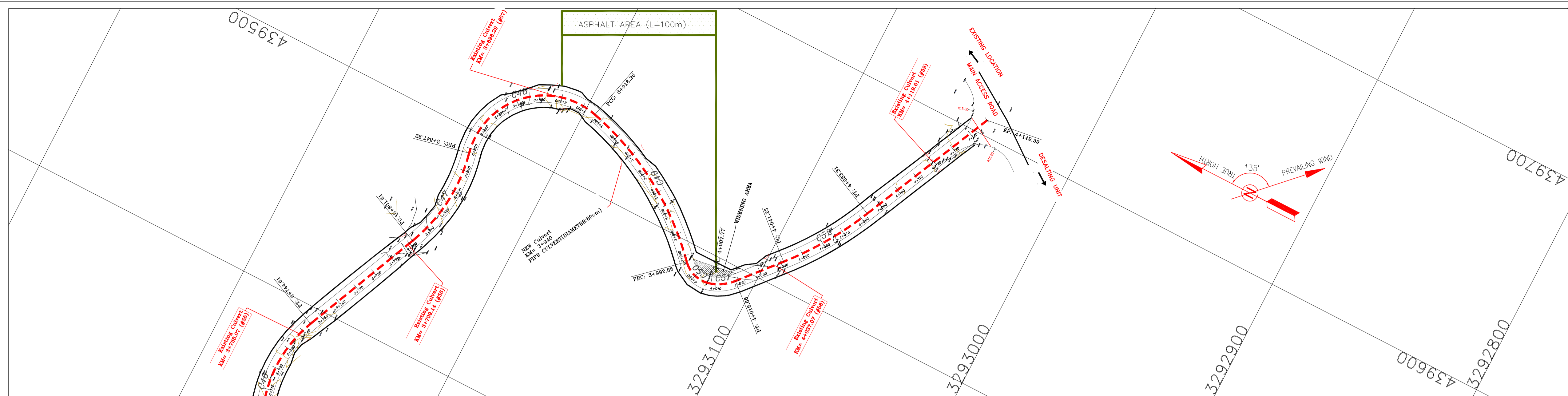
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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

APPROVED FOR CONSTRUCTION BY: DATE:

SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
1/1000	A1	BK-BK14-PEDCO-110-CV-DW-0001	28 OF 99	D05	053-073-9184	F	4	S	708209	28	D05



- 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
 - 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-L-PEDCO-110-PI-DW-0001
 - THE EXACT LOCATION OF NEW CULVERT AND RETAINING WALL SHALL BE ADJUSTED AT SITE.

LEGEND

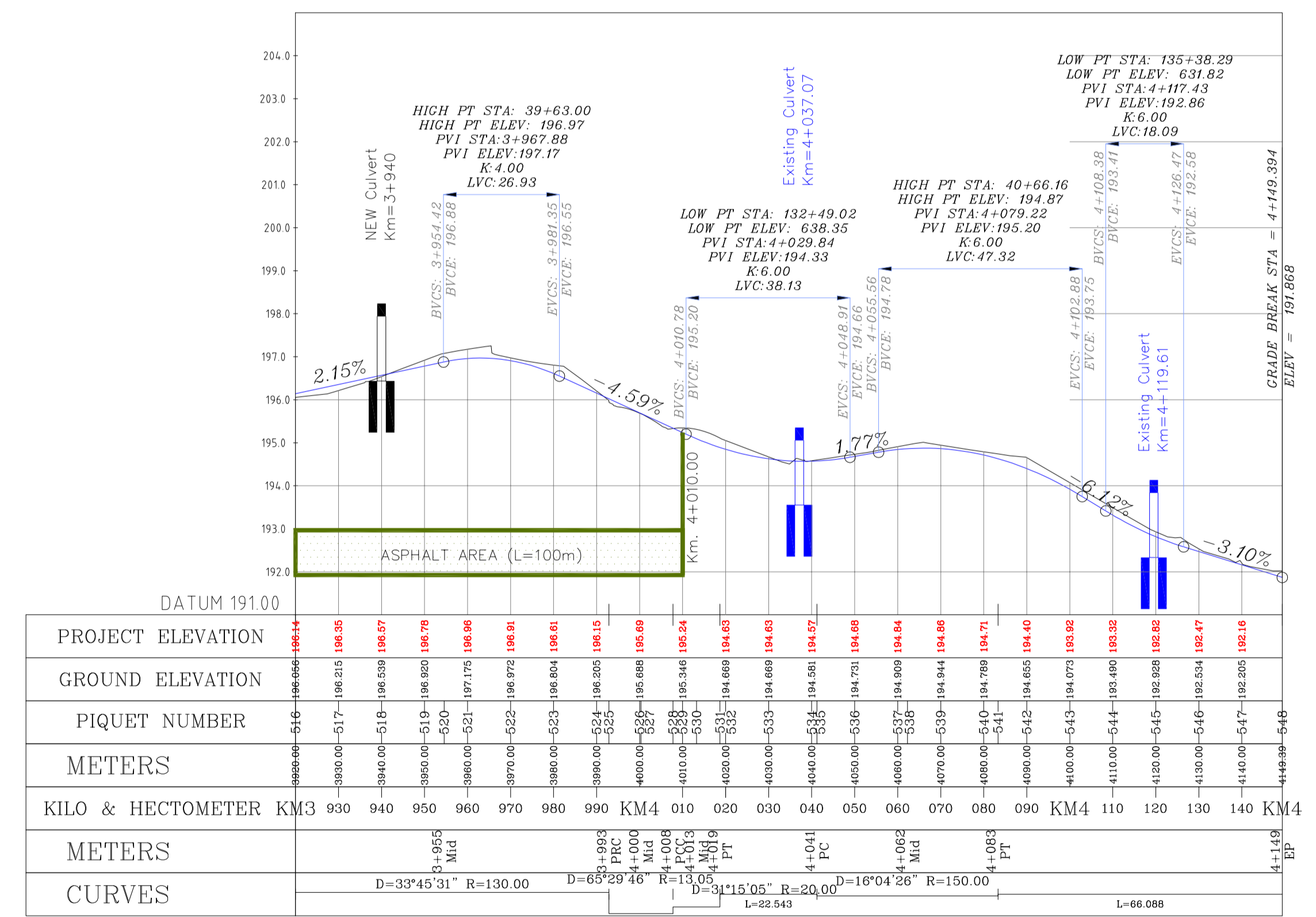
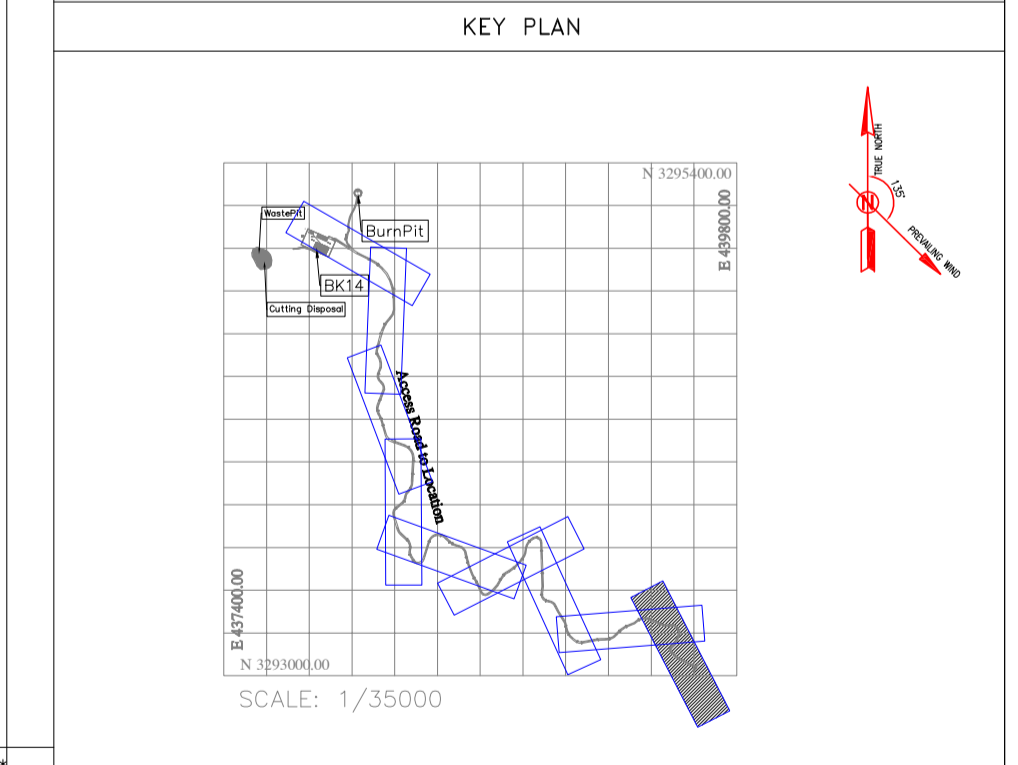
	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		OIL LINE
	ROAD WIDENING AREA		BURN PIT LINE
	NEW BURN PIT LINE		

REFERENCE DRAWING

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



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
3+955.70	3293157.22	439521.05
4+011.25	3293134.98	439485.71
4+013.37	3293111.66	439490.01
4+062.40	3293079.39	439527.30
4+149.39	3293042.78	439606.52

Coordinate of Bench Marks (UTM-ZONE 39N)

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REV.	DATE	DESCRIPTION	BY	DATE	BY	DATE
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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 ACCESS ROAD PLAN AND PROFILE

SCALE: 1/1000

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

SHEET NO. 29 OF 99

REV. D05

BUDGET REF. 053-073-9184

LOCATION F

SIZE 4

CLASS S

SERIAL NO. 708209

SHEET 29

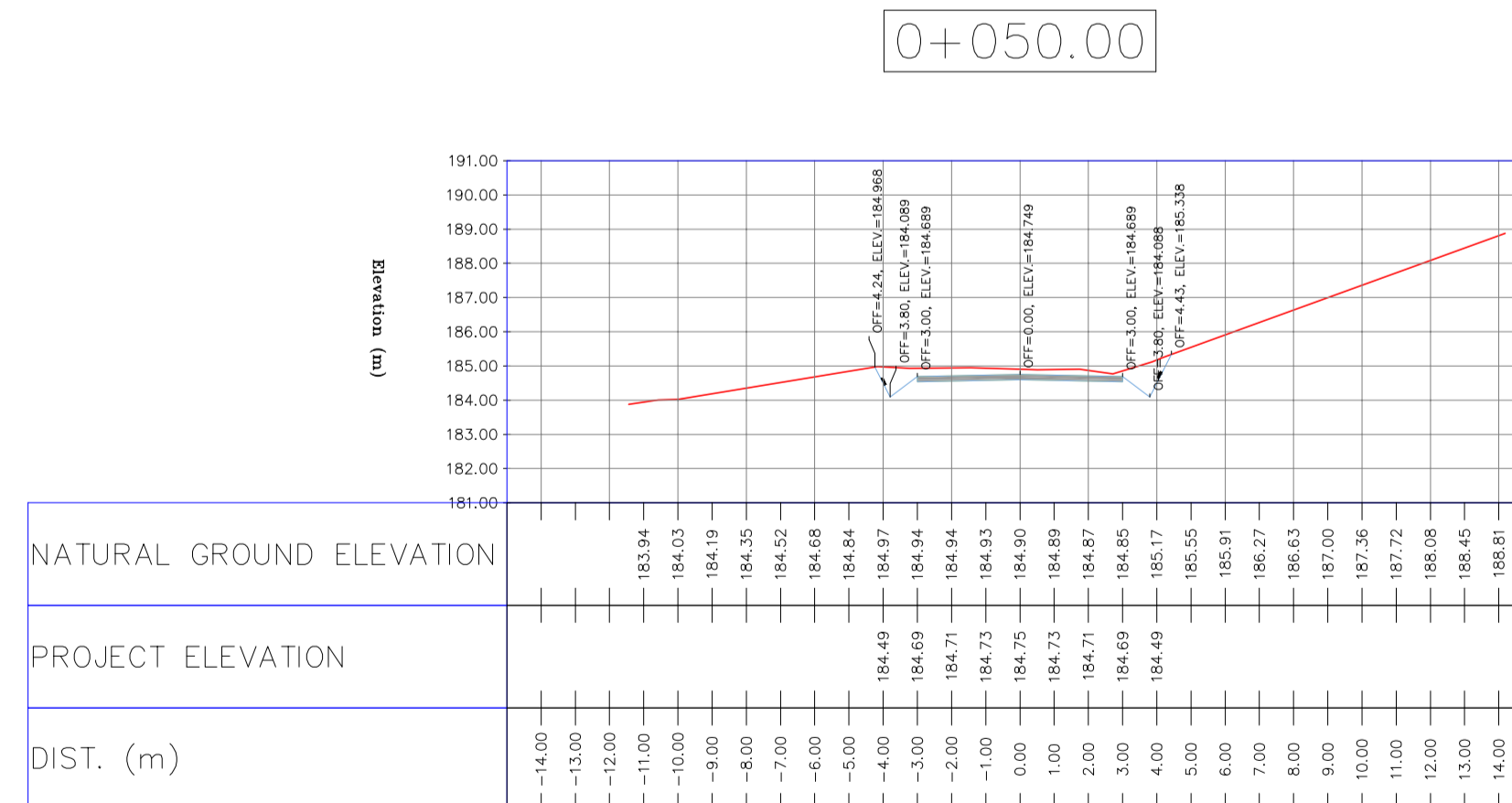
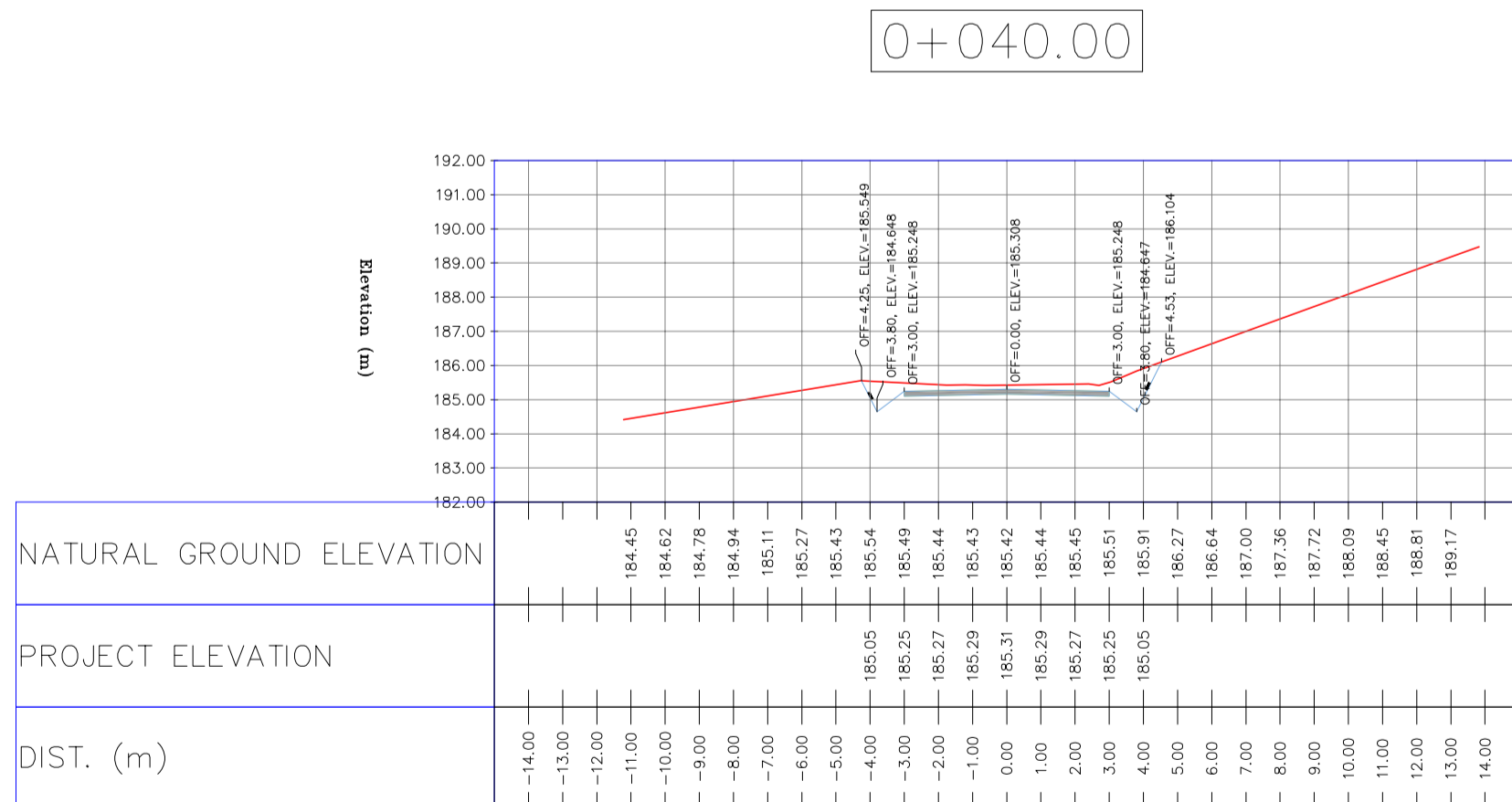
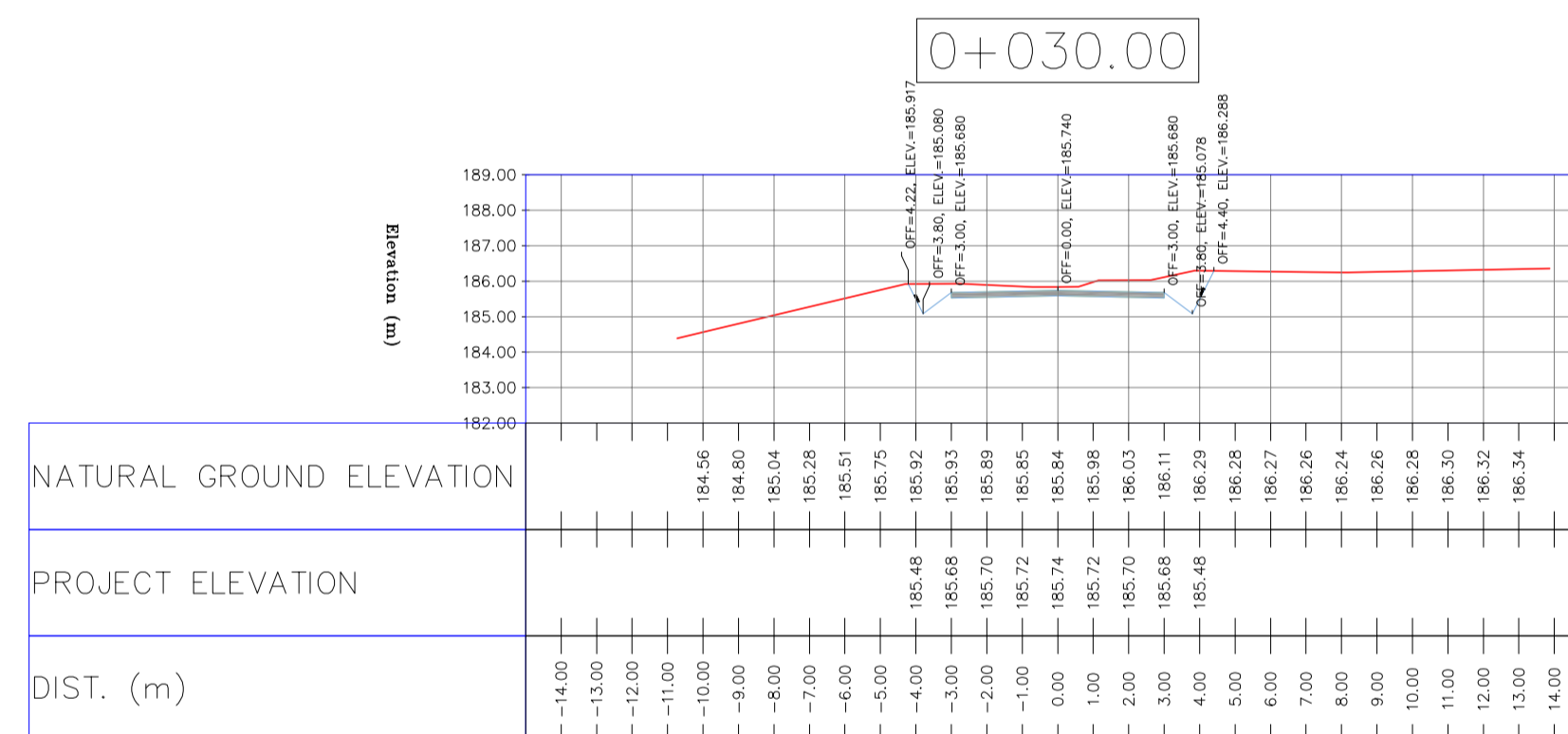
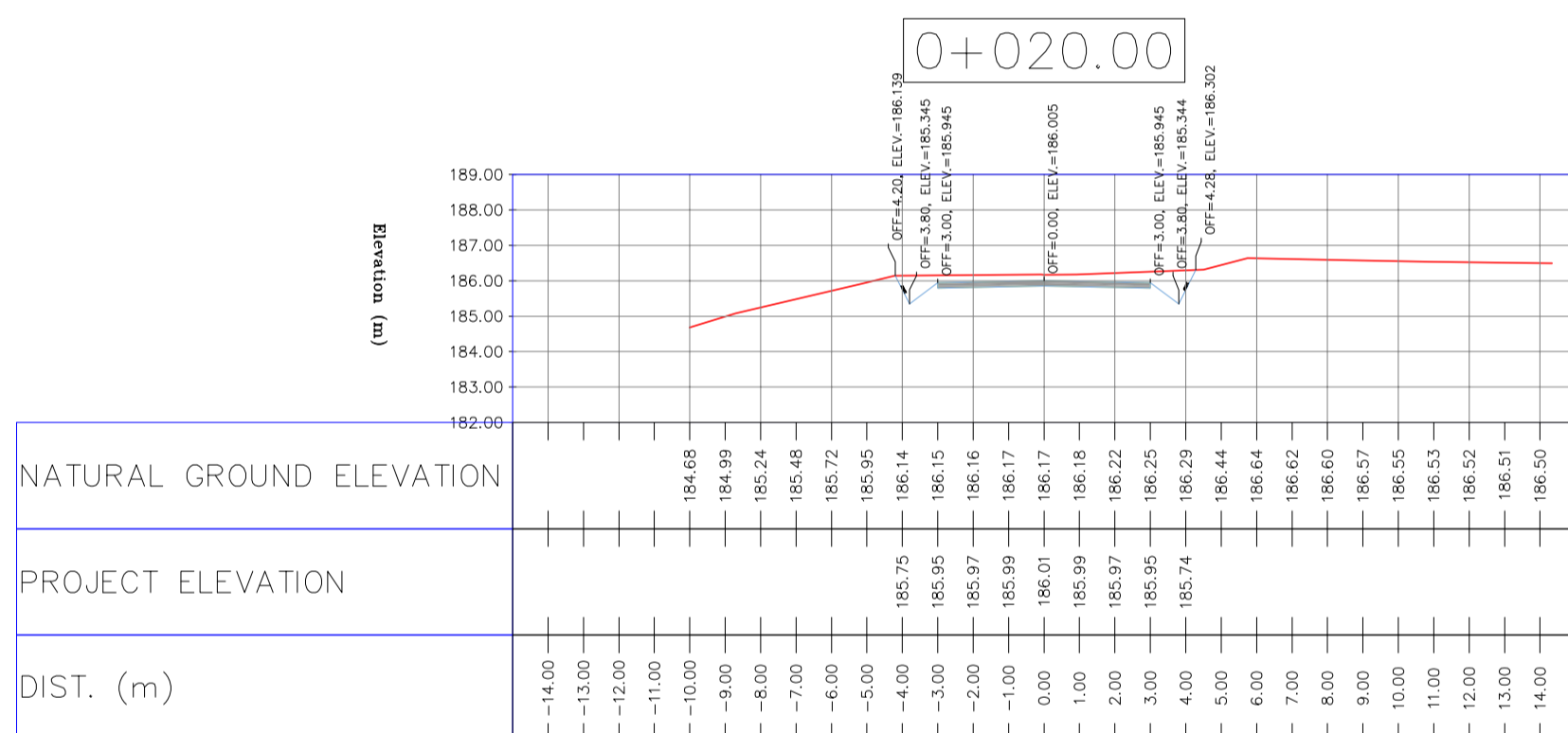
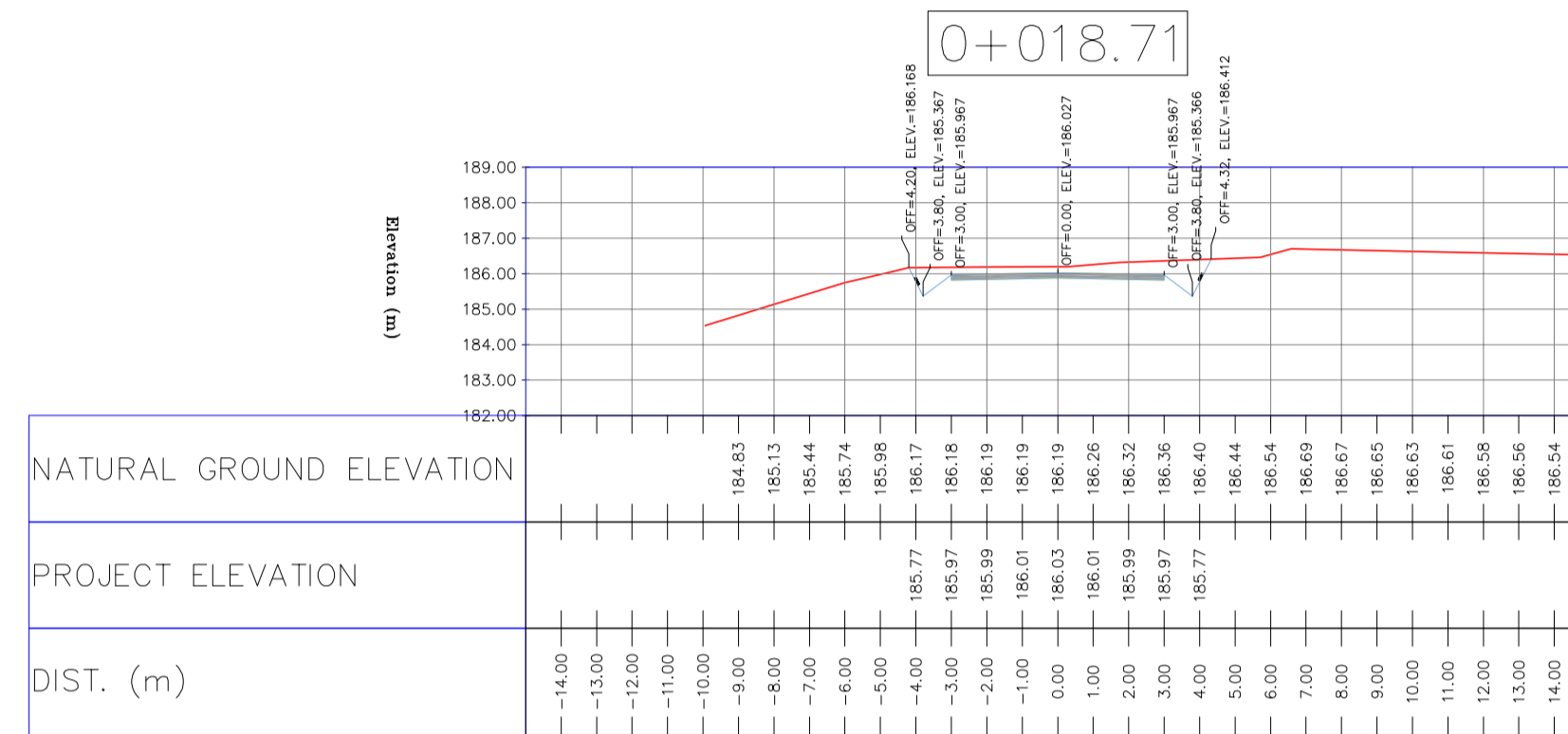
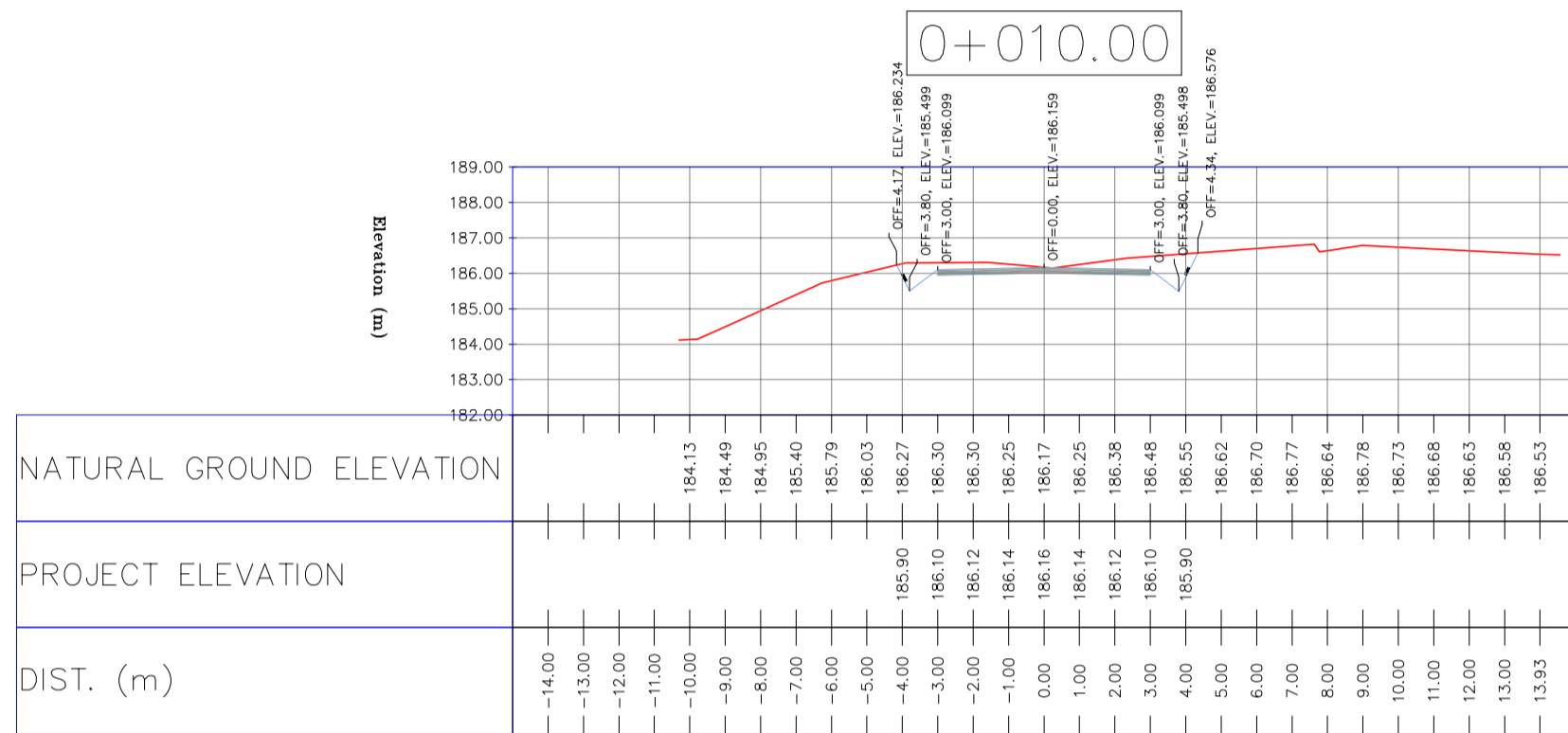
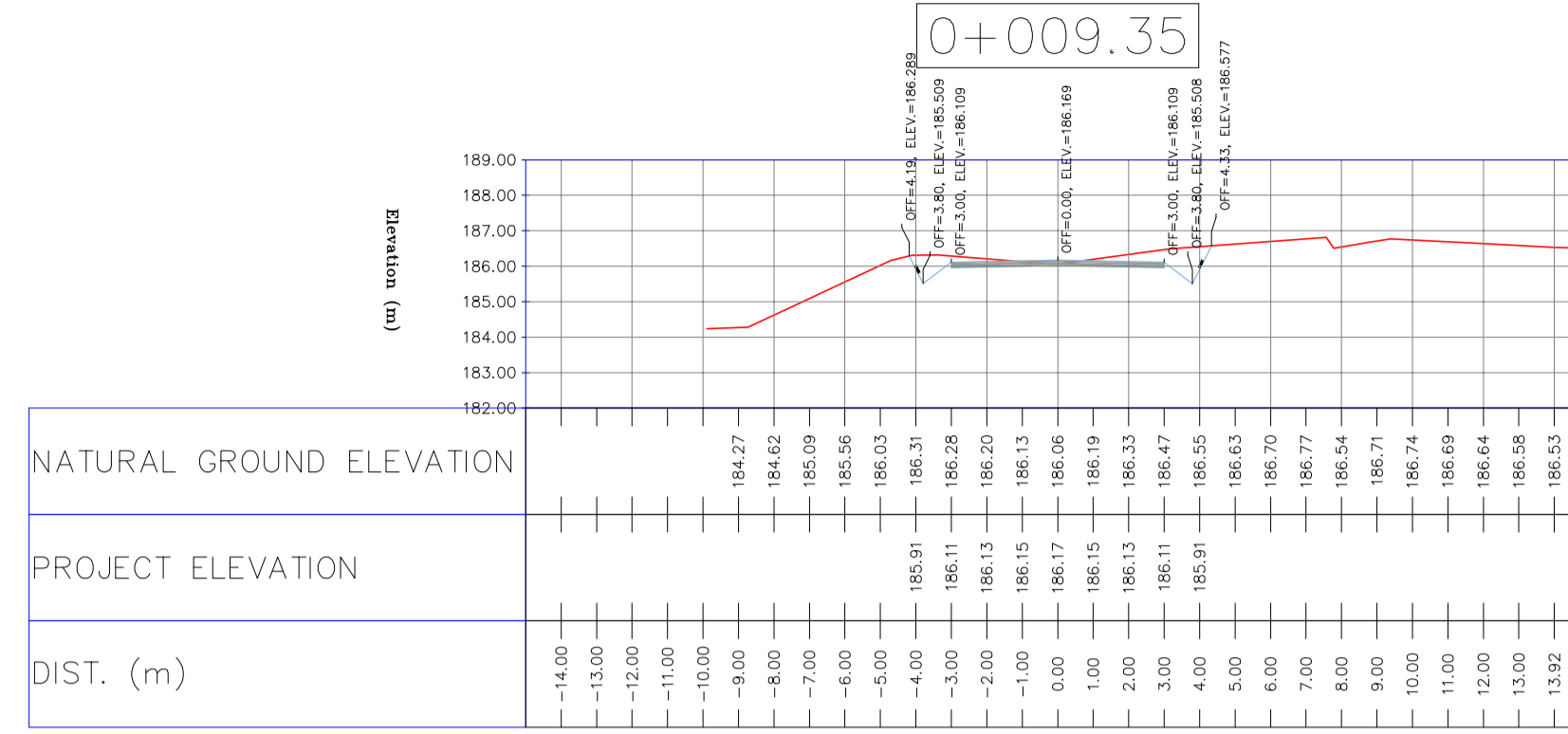
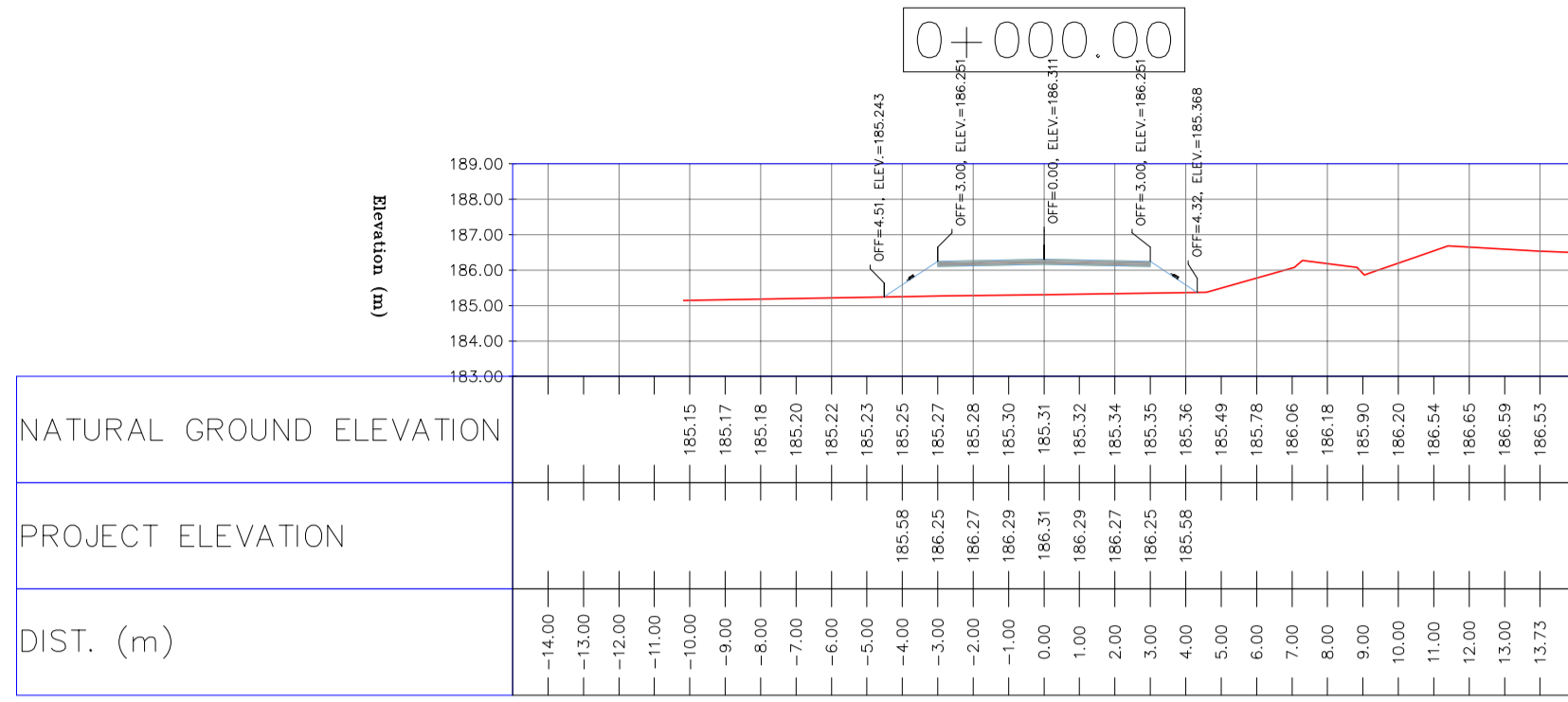
REVISION D05

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NOTES

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 VERTICAL DATUM: MSL
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 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
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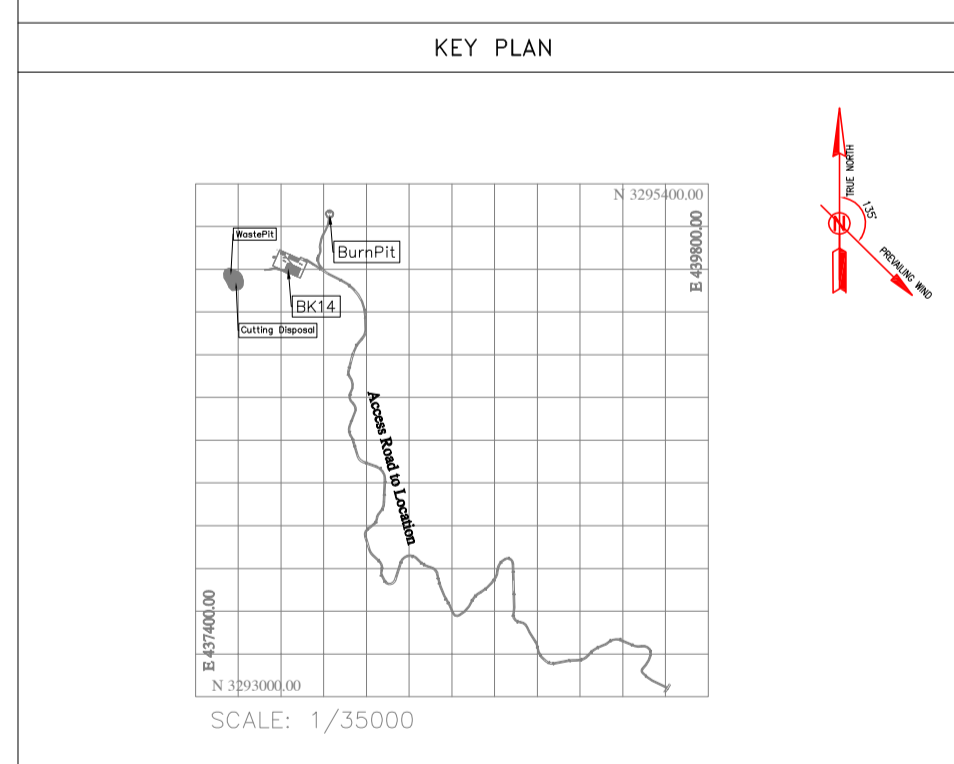
LEGEND

	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
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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D00	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**

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

SCALE: H=1:200 V=1:200

SIZE: A1

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

SHEET NO.: 30 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 30

REVISION: D05

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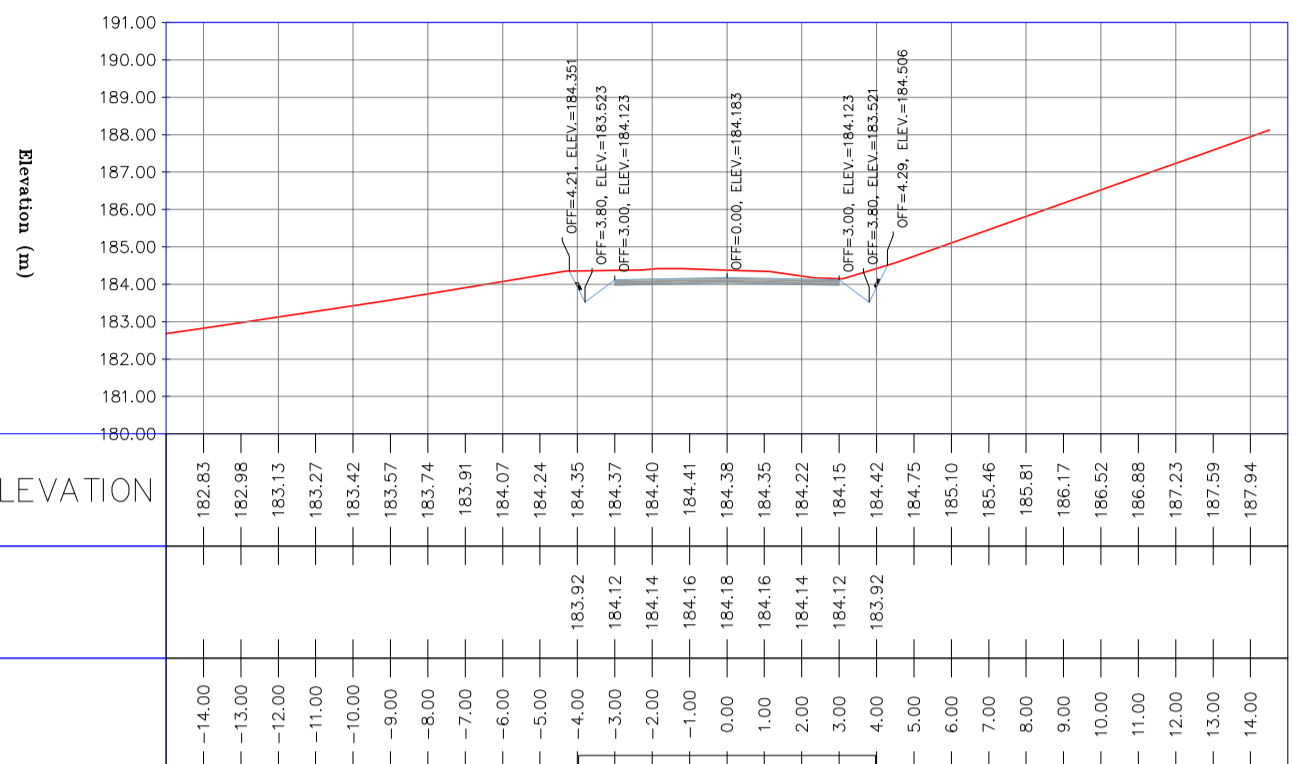
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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

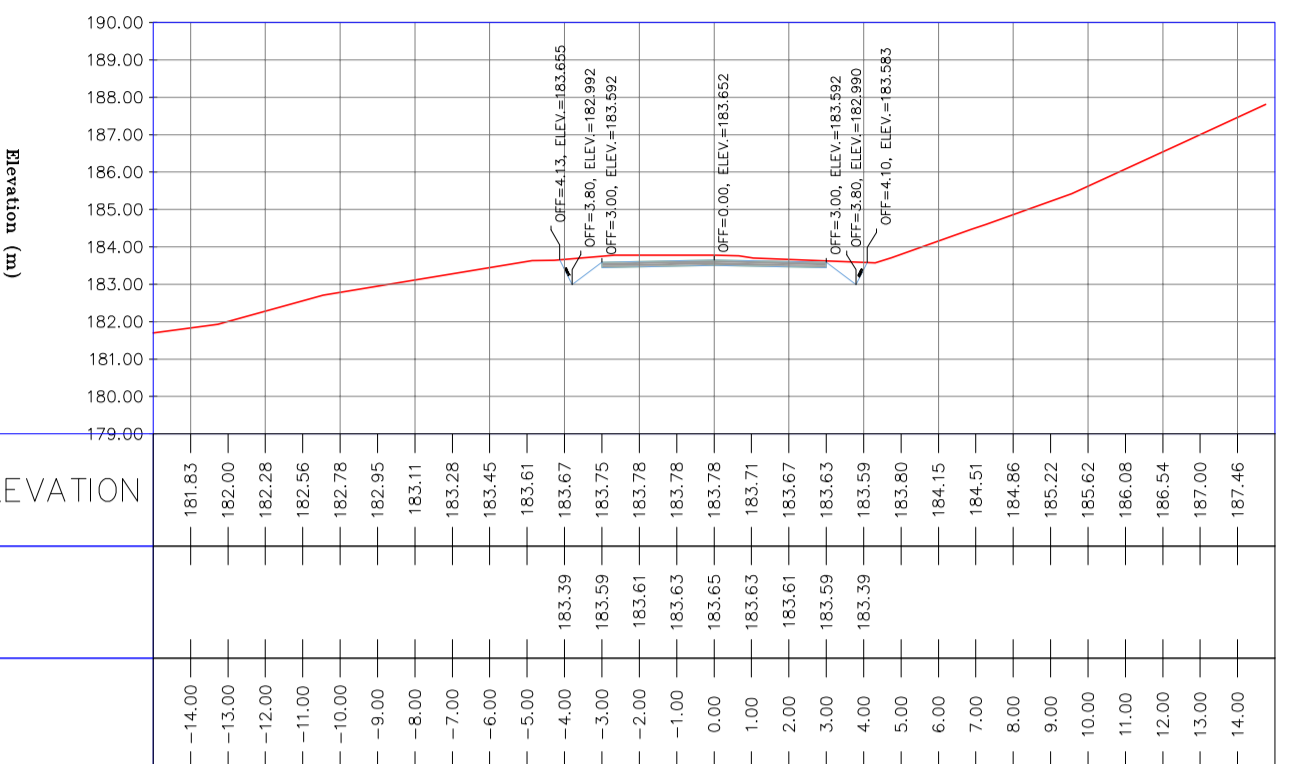
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APPROVED FOR CONSTRUCTION	BY:	DATE:

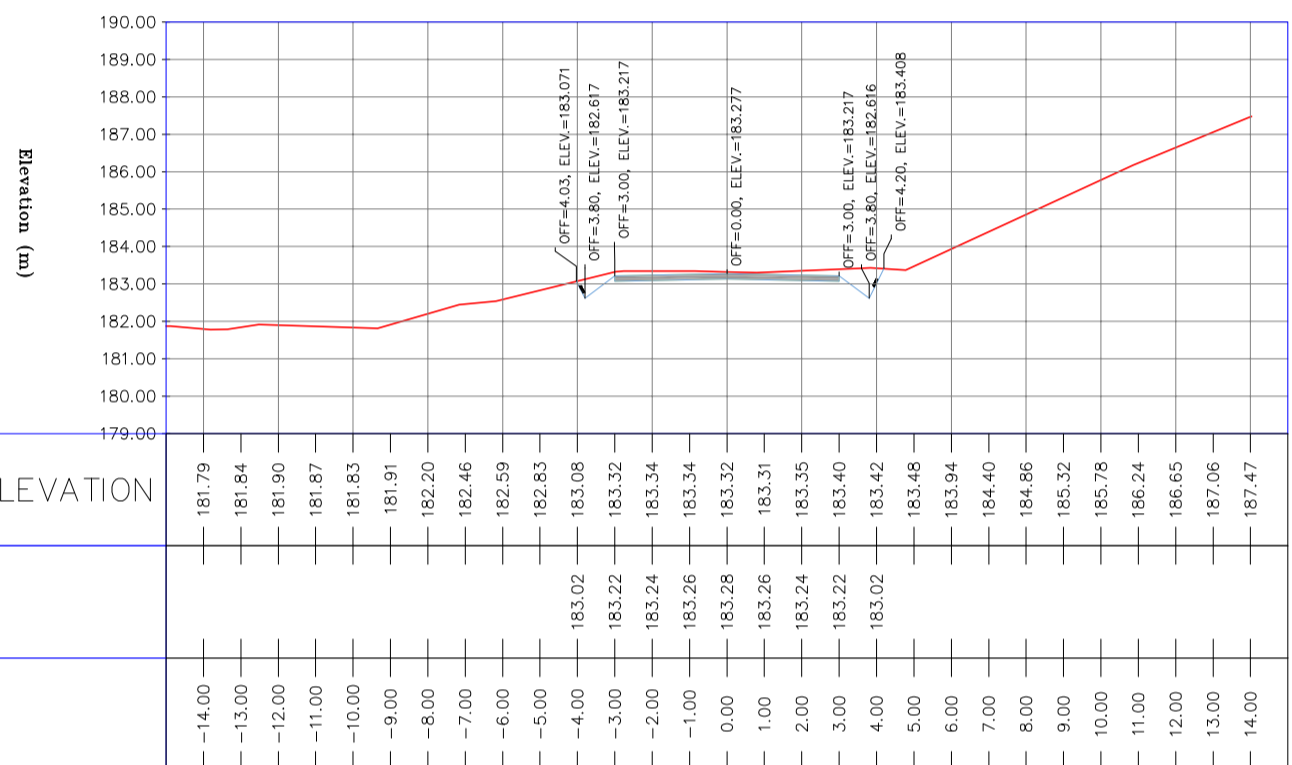
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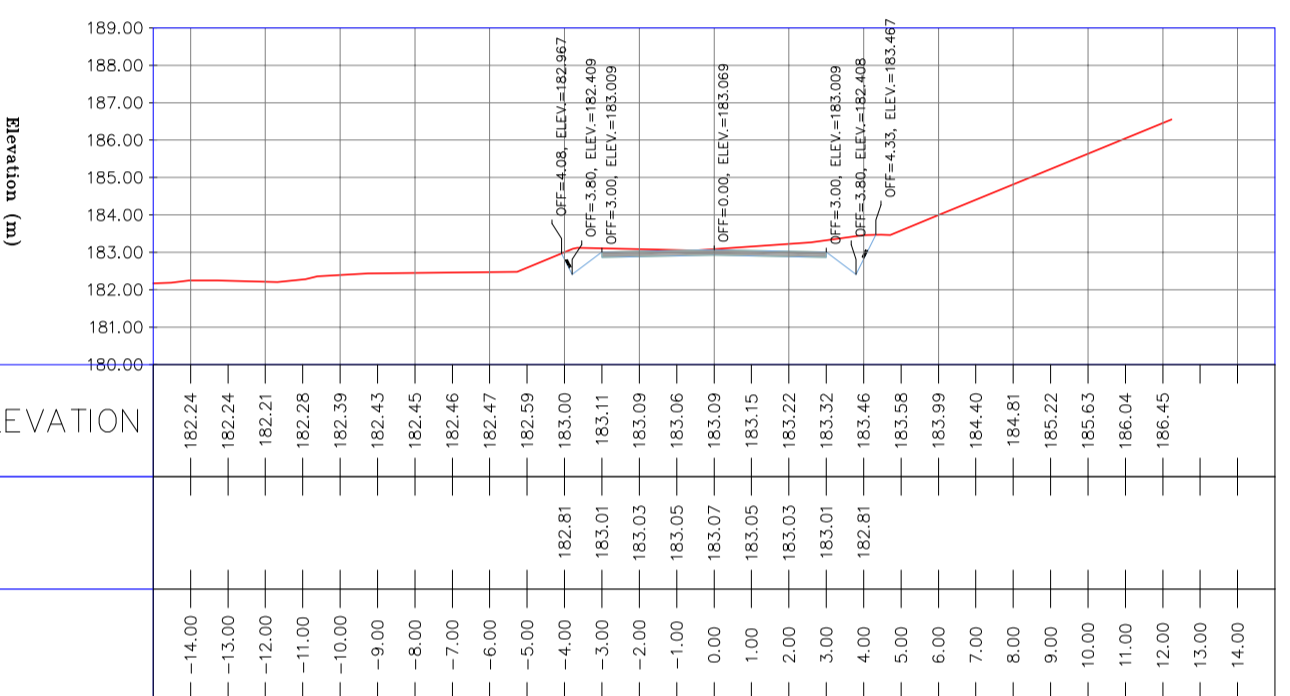
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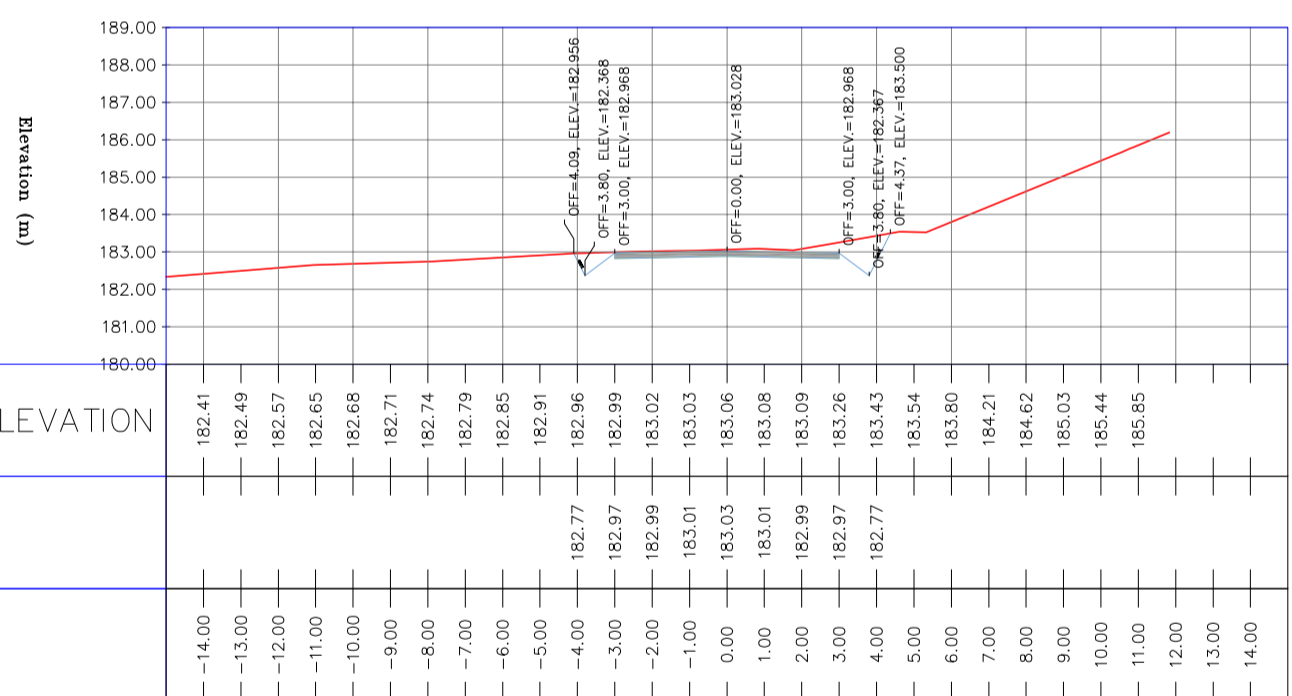
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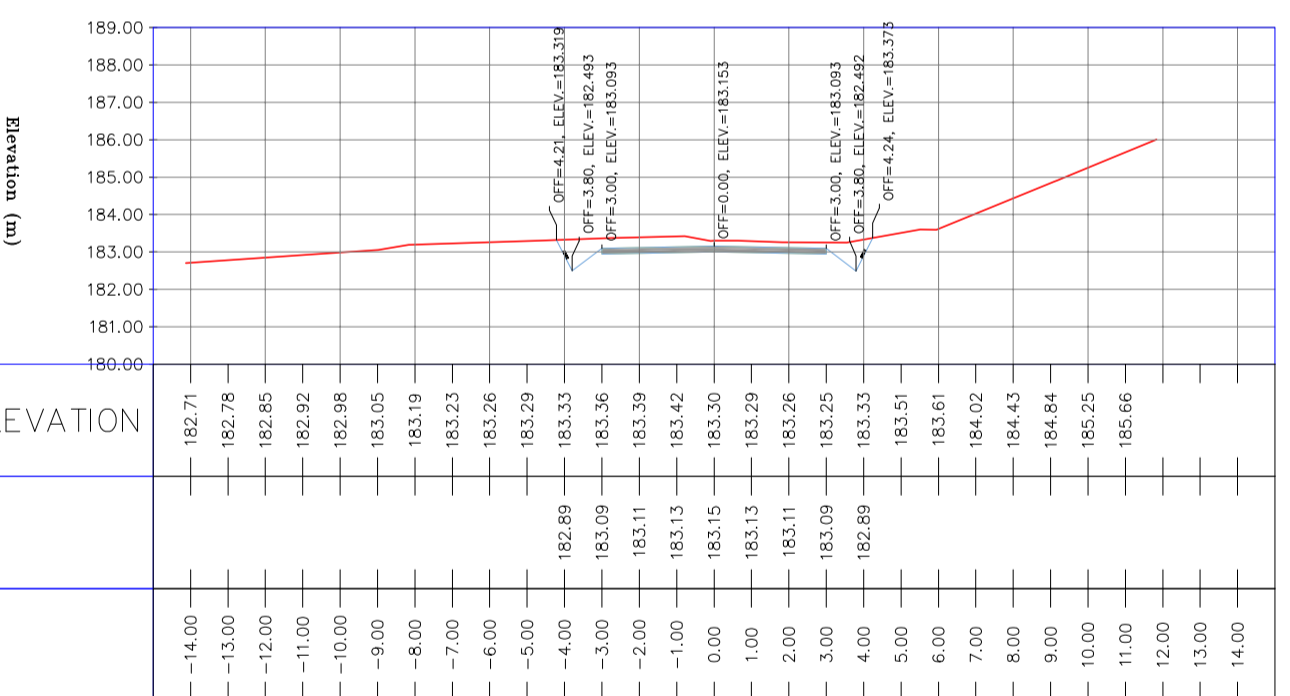
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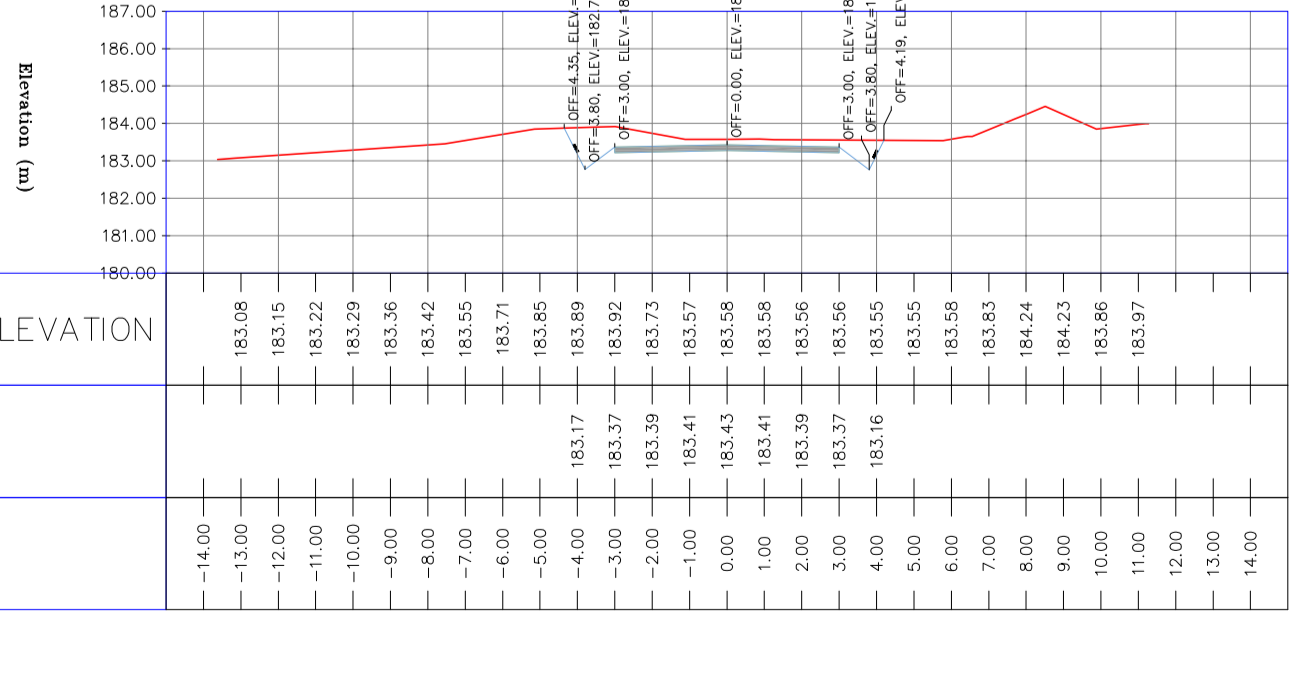
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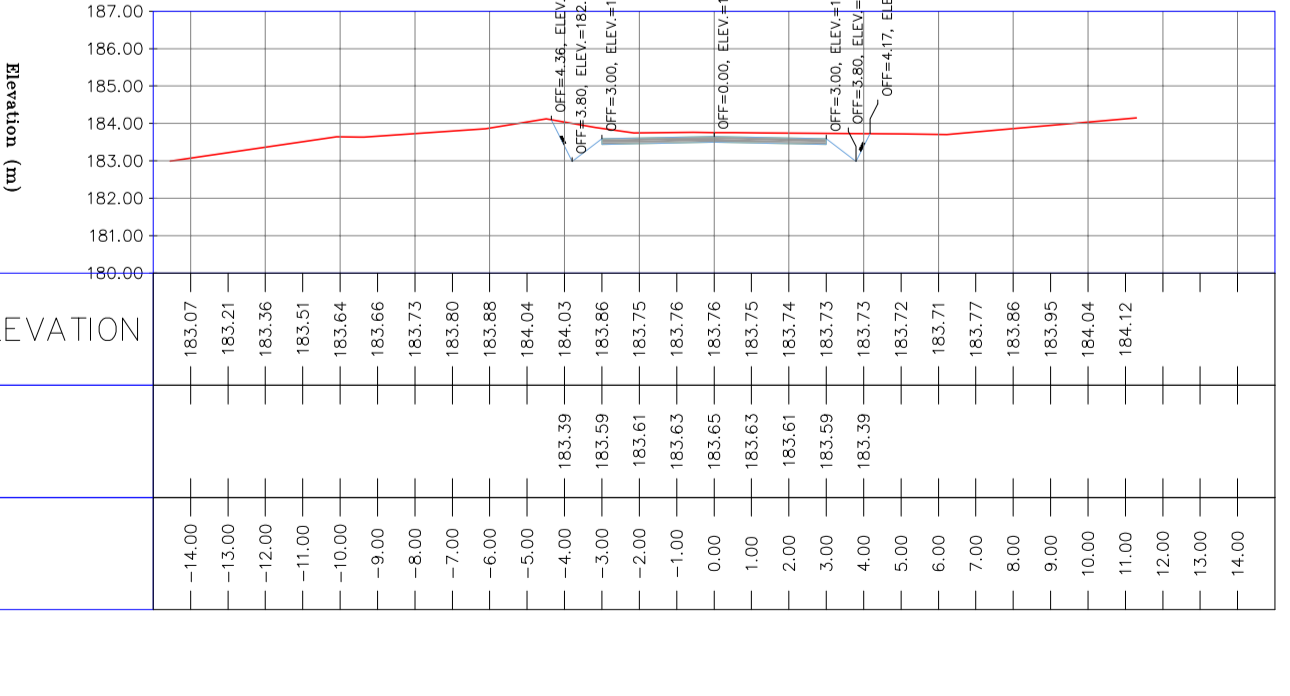
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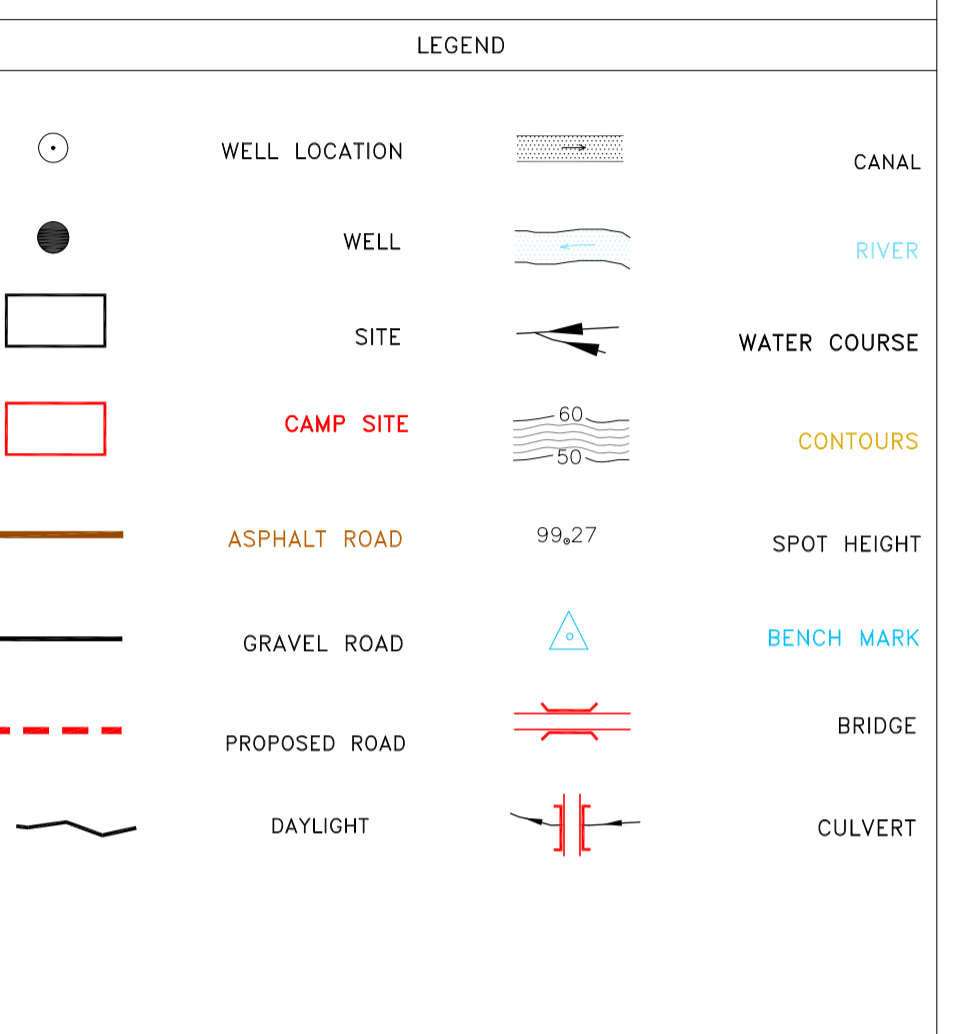


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NOTES

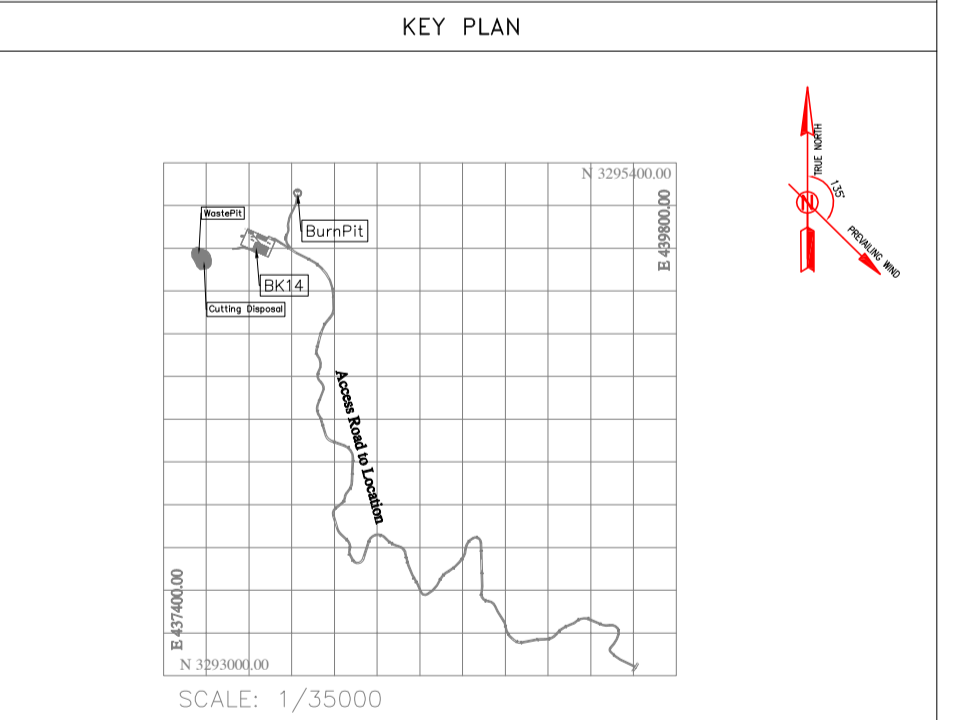
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General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
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MTO For Civil Works - BK14	BK-BK14-PEDCO-110-CV-MT-0001

ABBREVIATION

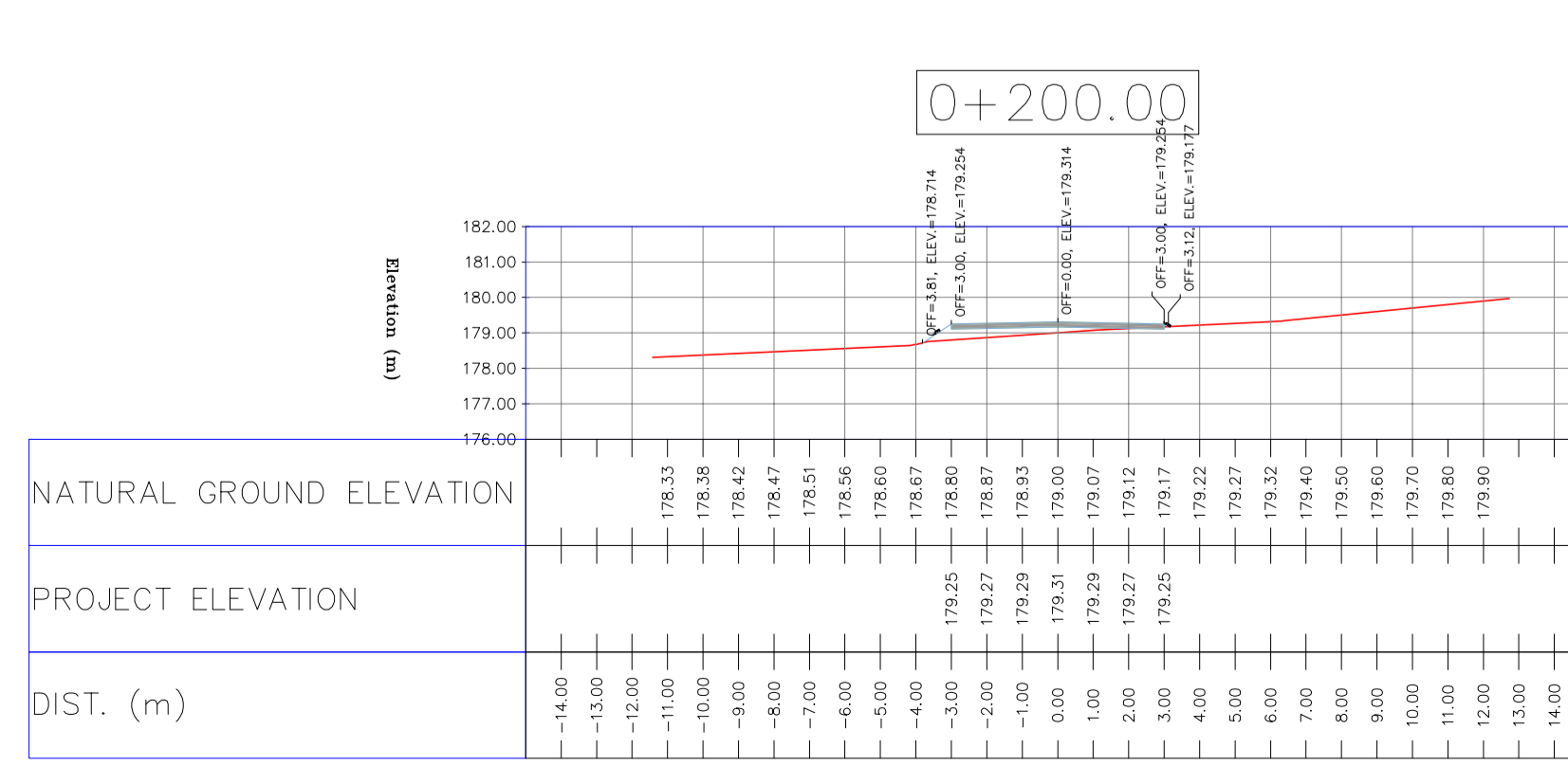
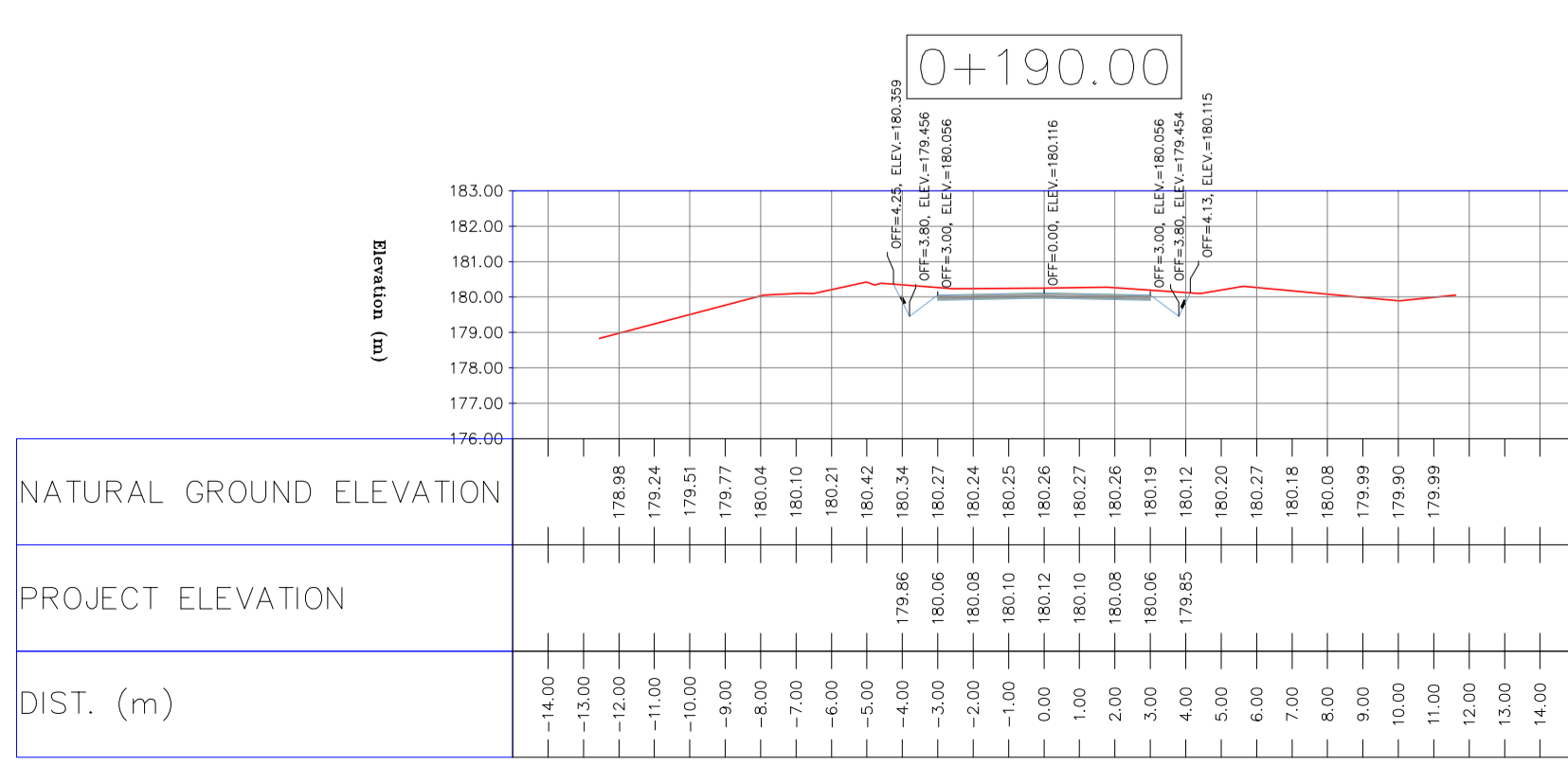
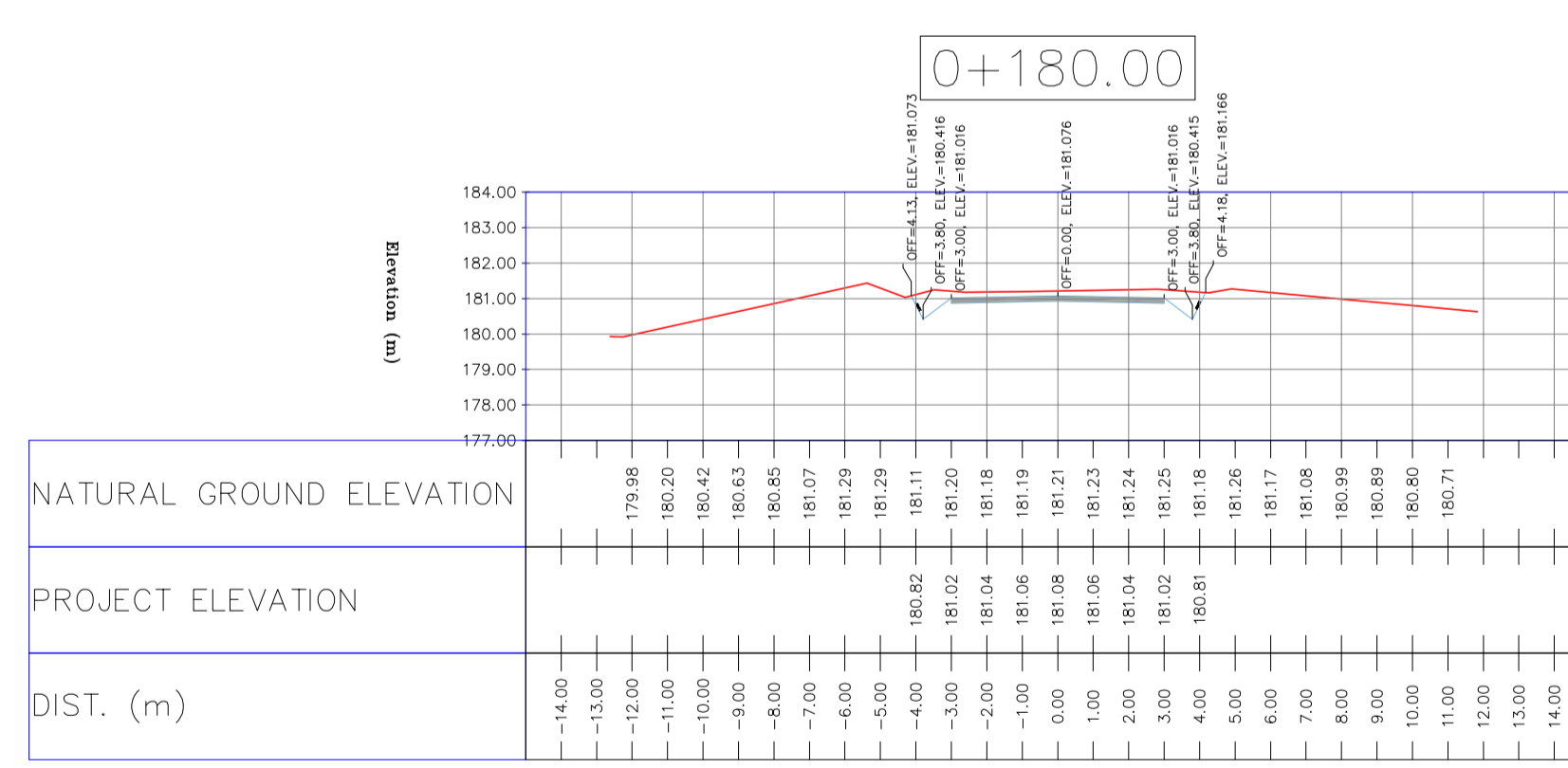
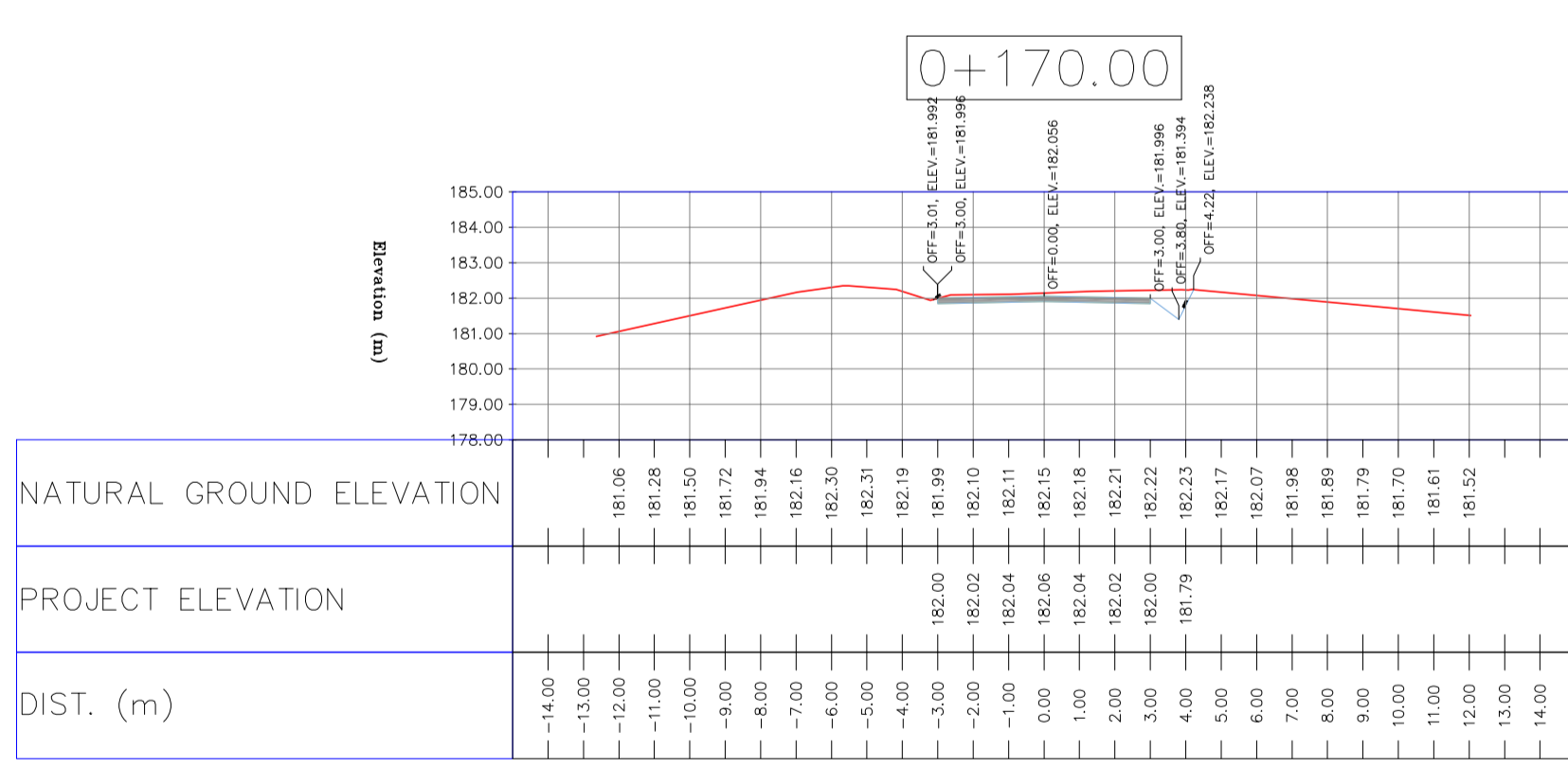
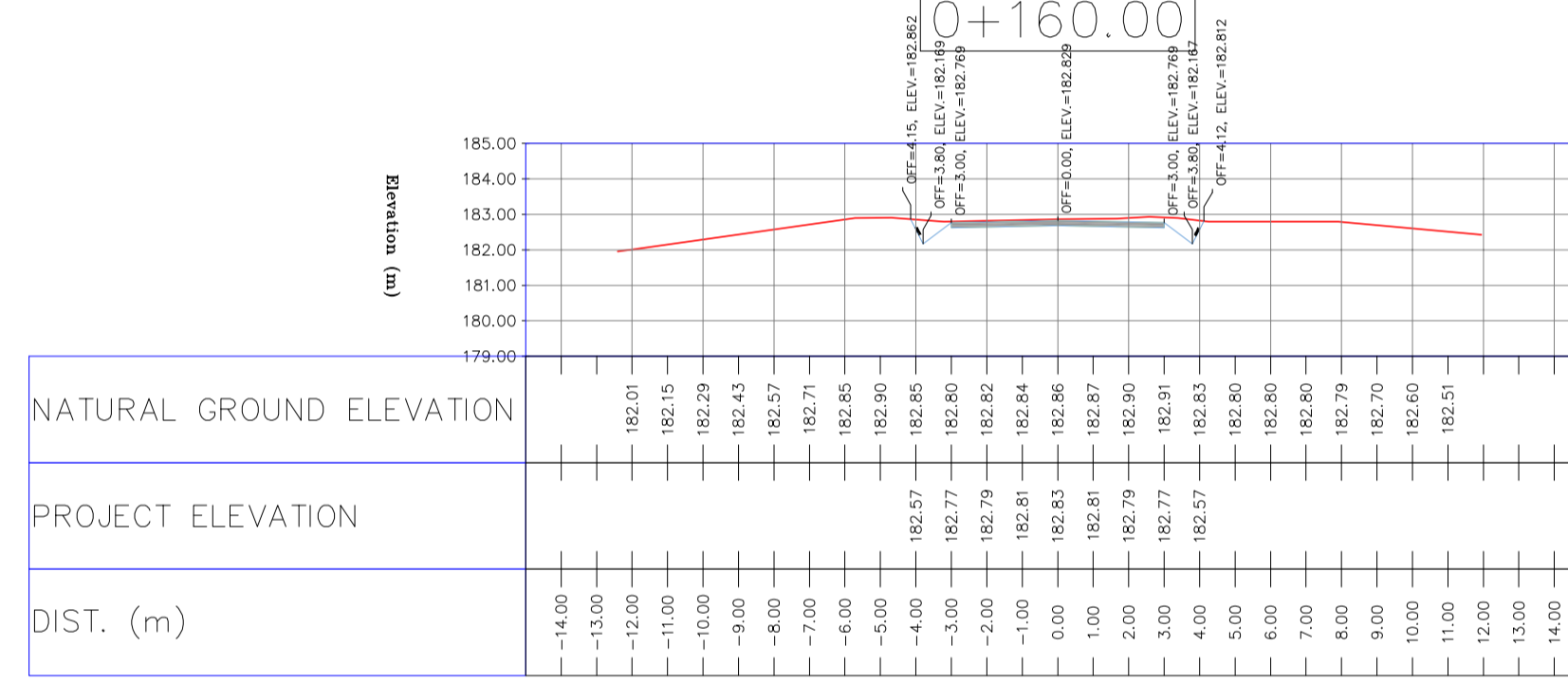
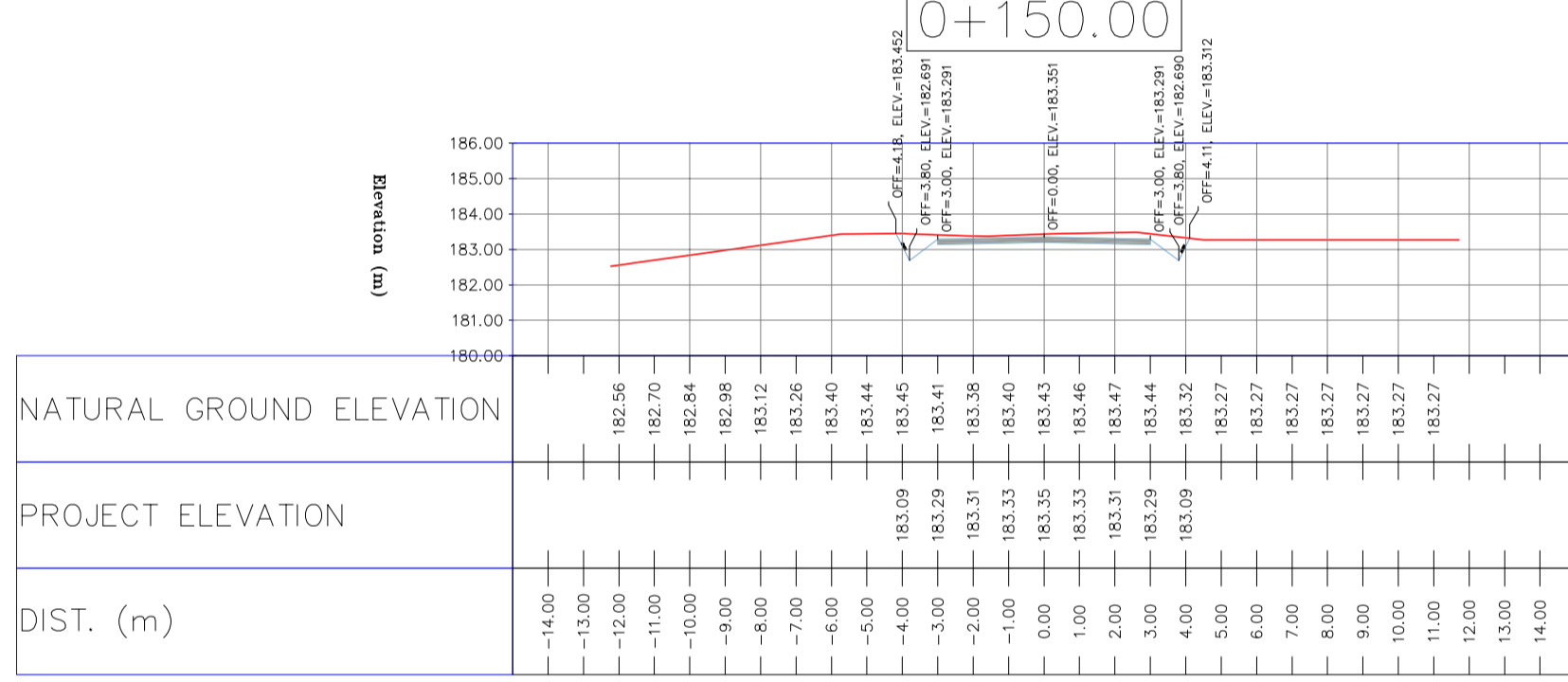
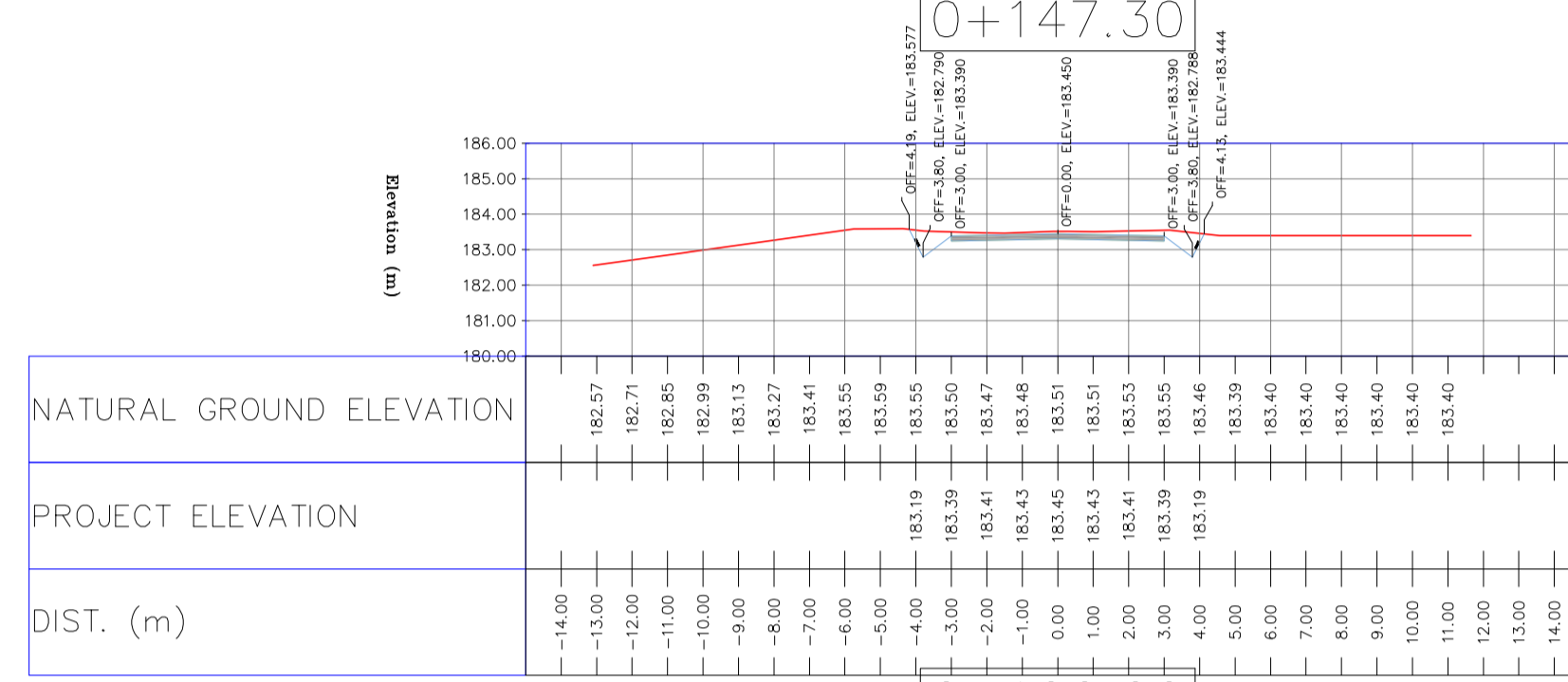
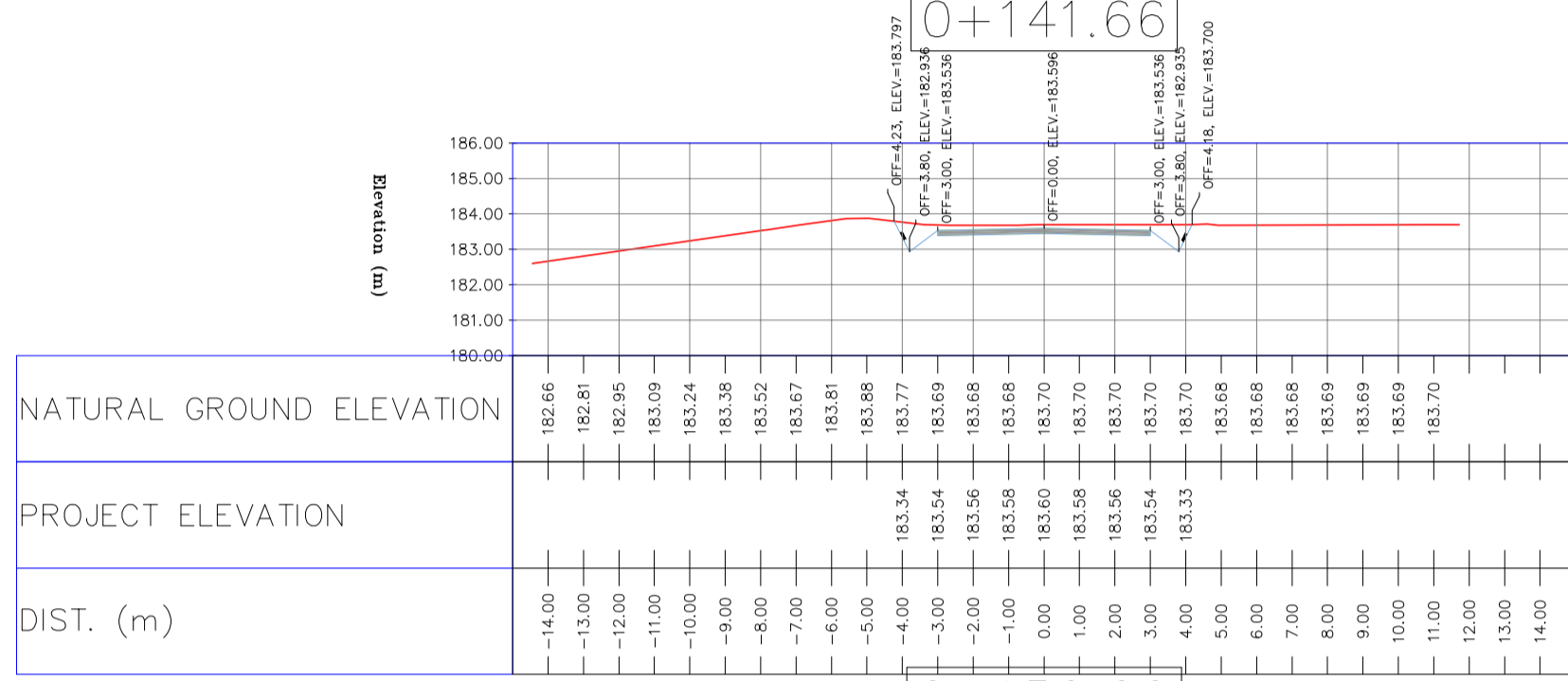
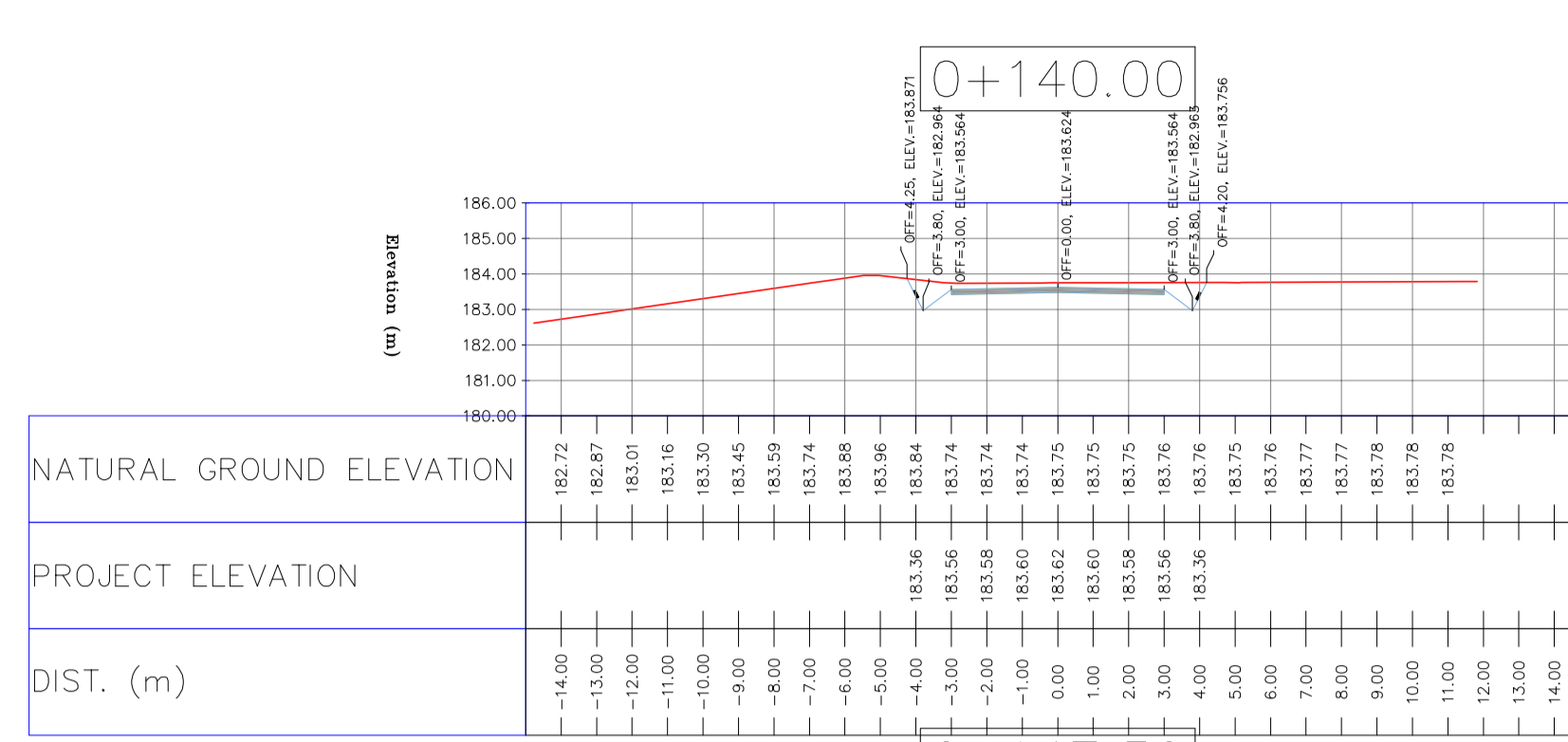
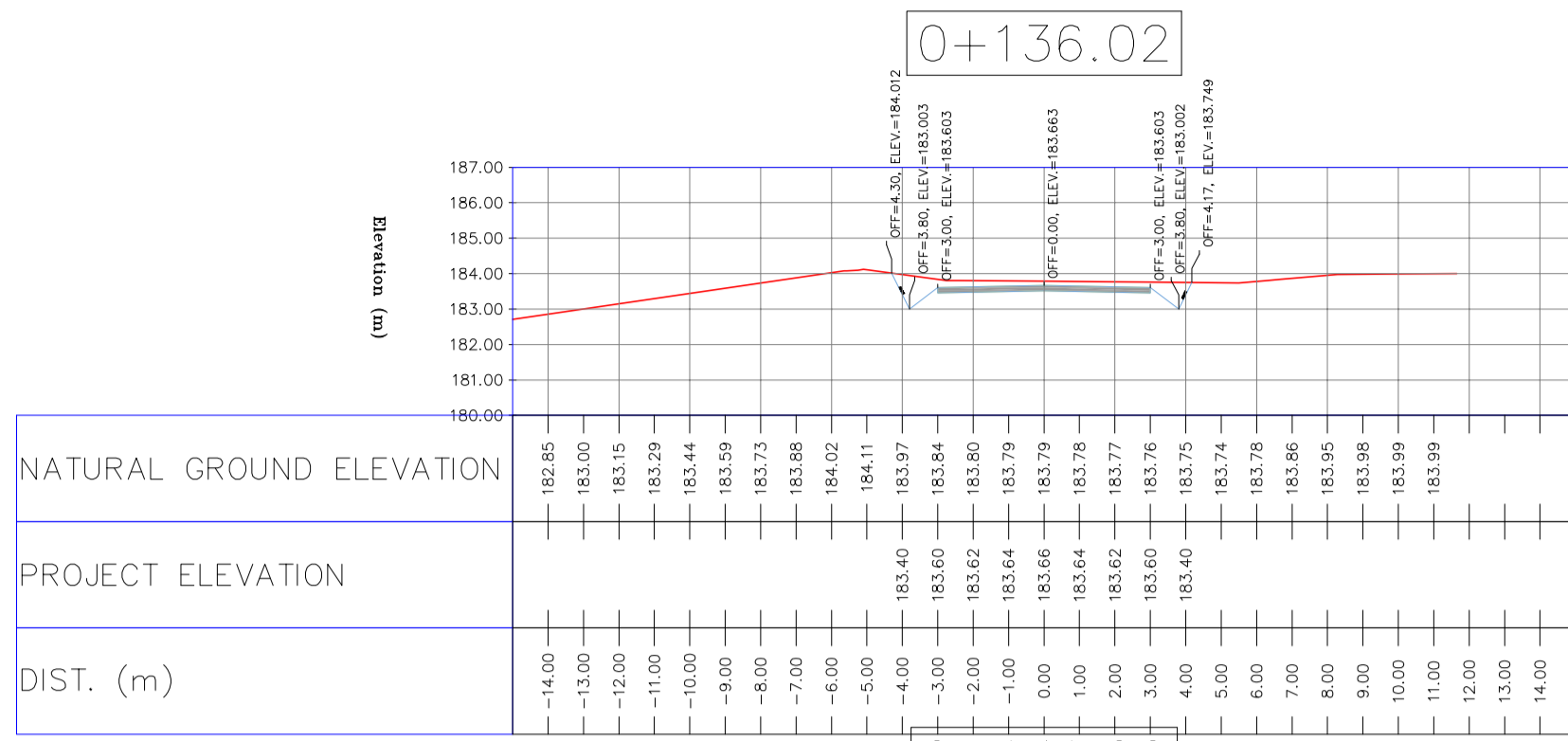
PT= POINT
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D05	AUG.2023	AFC	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
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D00	OCT.2022	IFC	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
REV.	DATE	P.O.I.S	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 ACCESS ROAD TRANSVERSAL SECTIONS						
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	31 OF 99	D05	053-073-9184	F
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED			APPROVED FOR CONSTRUCTION			
			BY:	DATE:		
CLASS	SERIAL NO.	SHEET	REVISION			
4	708209	31	D05			

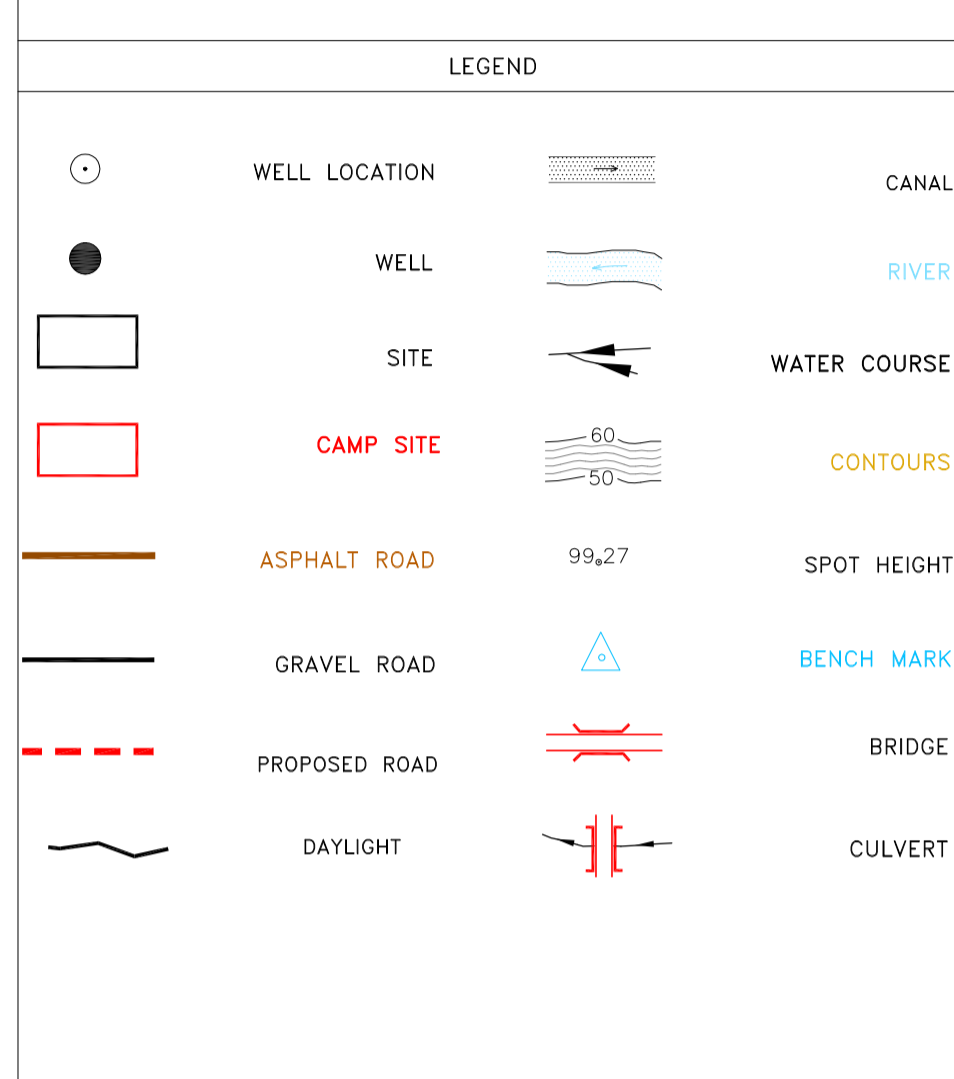
املا و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی صنایع پتروشیمی است. THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

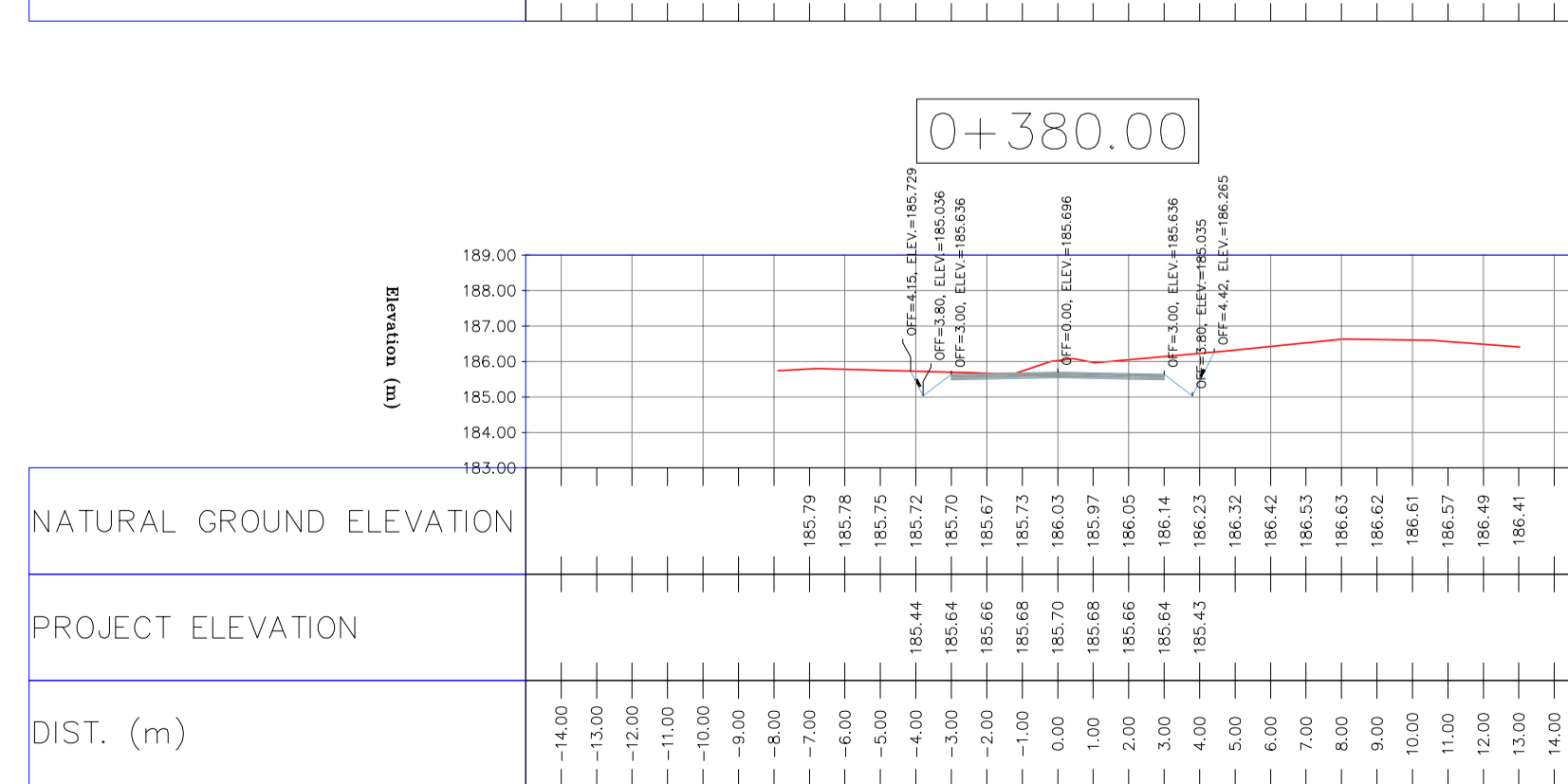
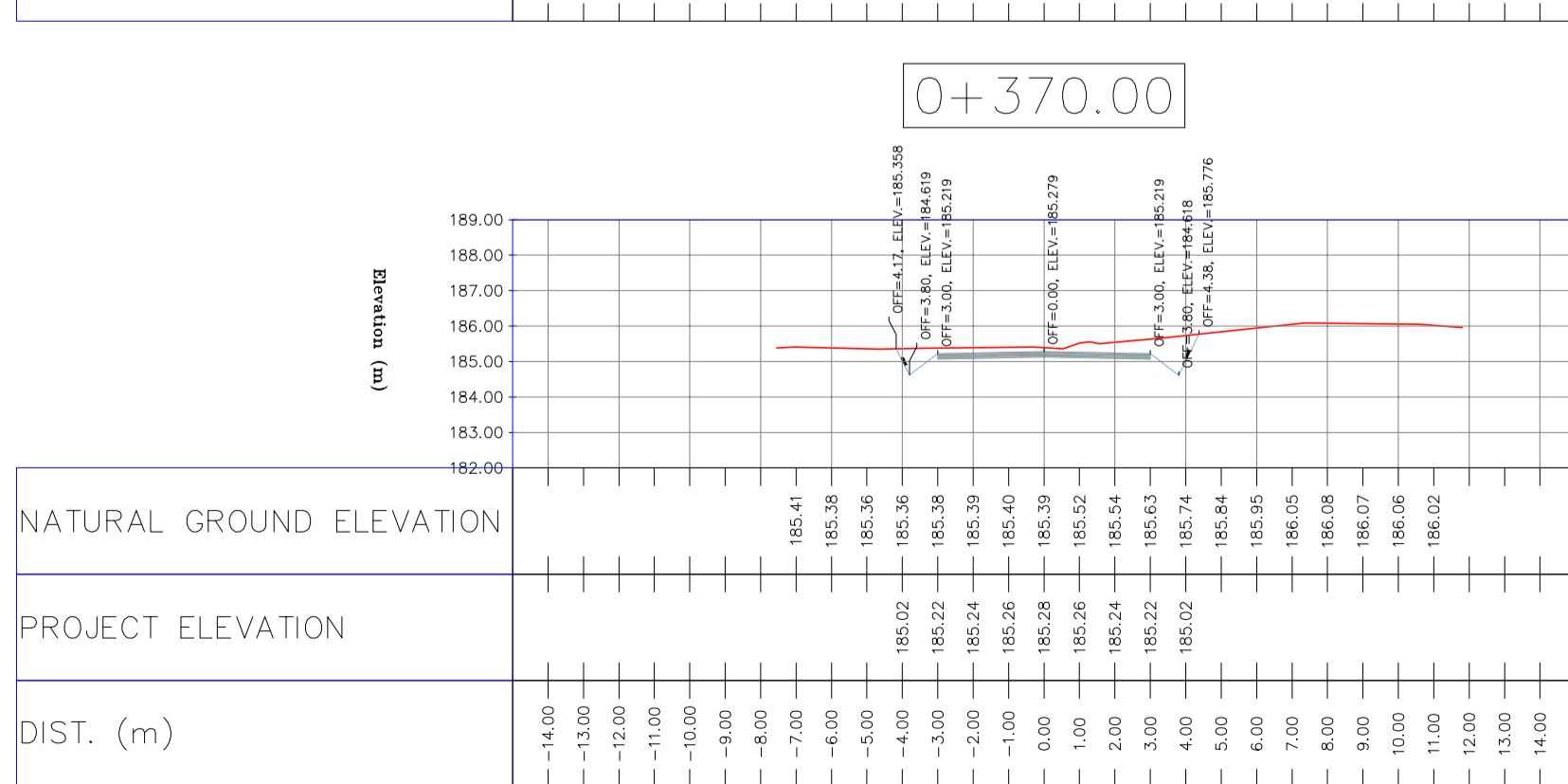
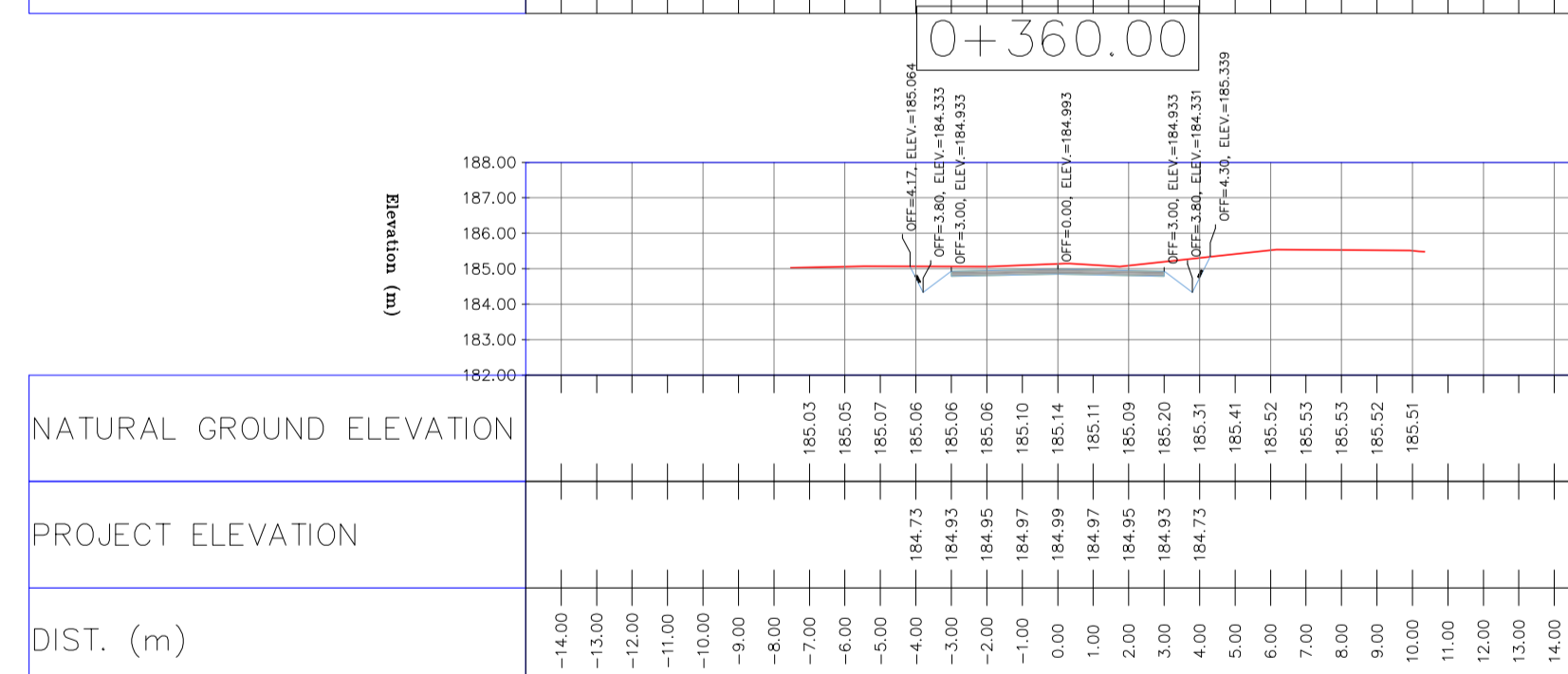
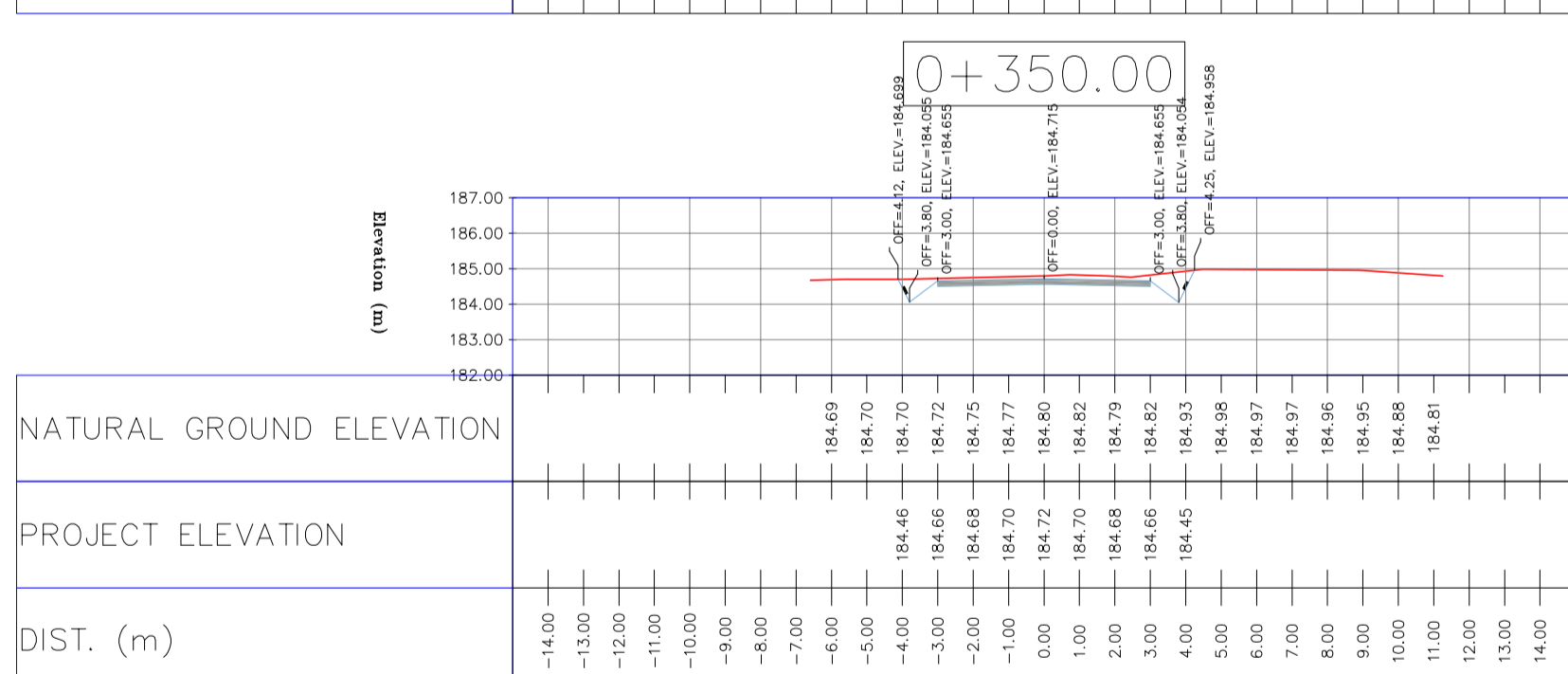
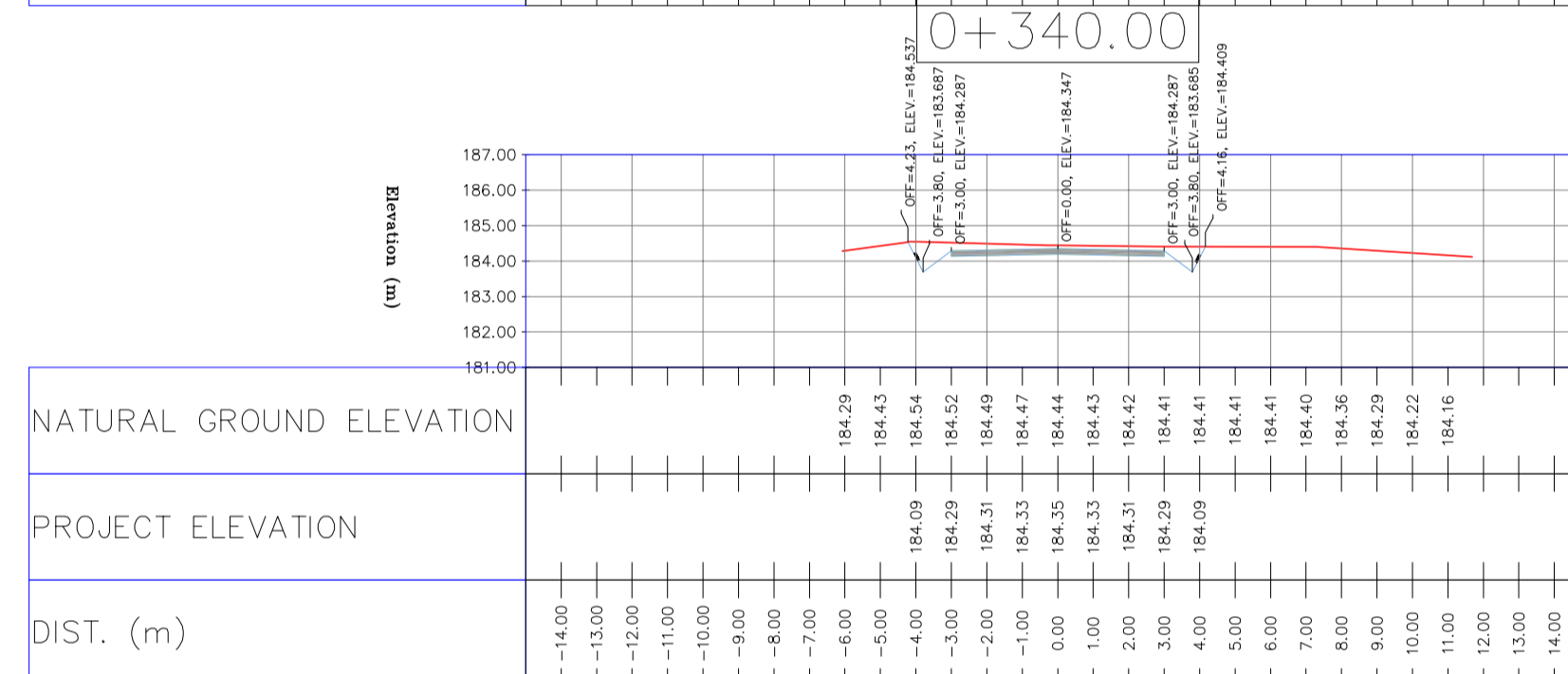
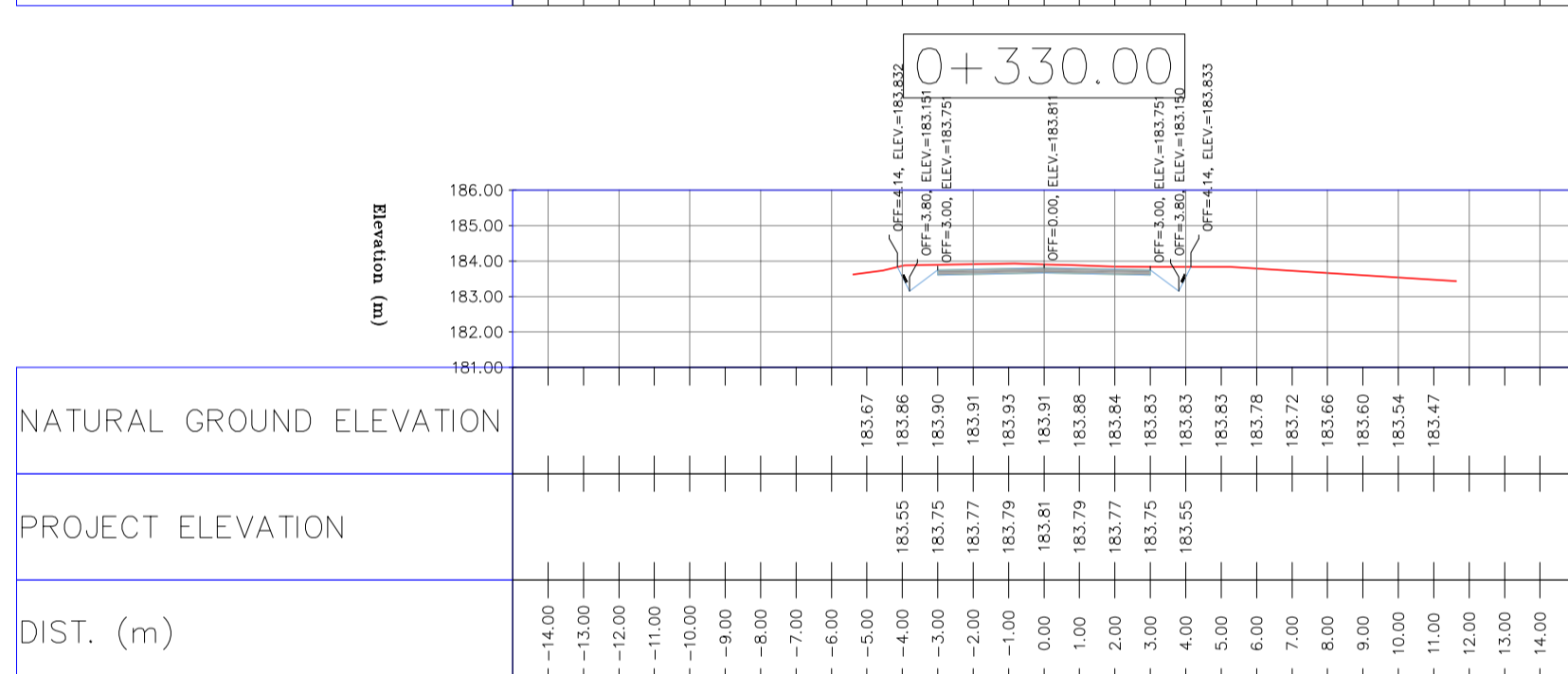
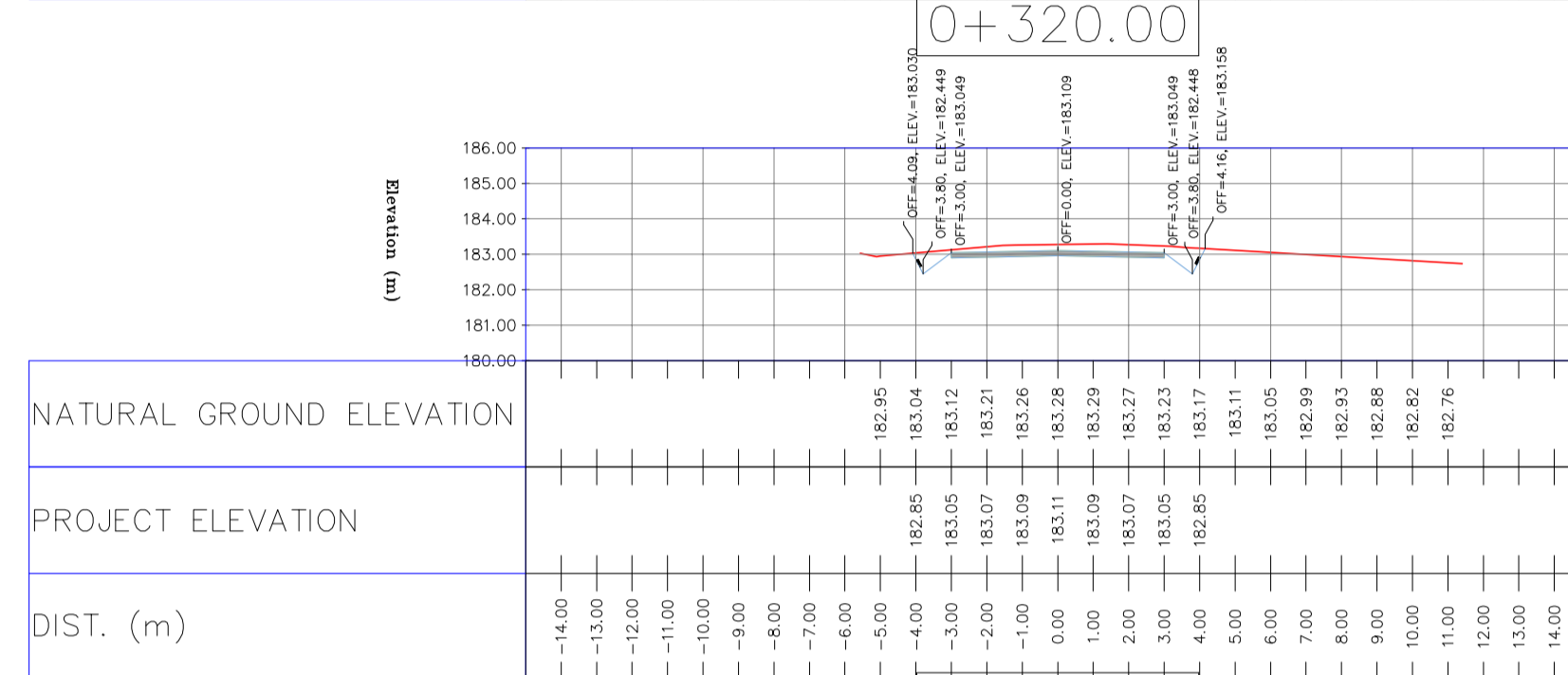
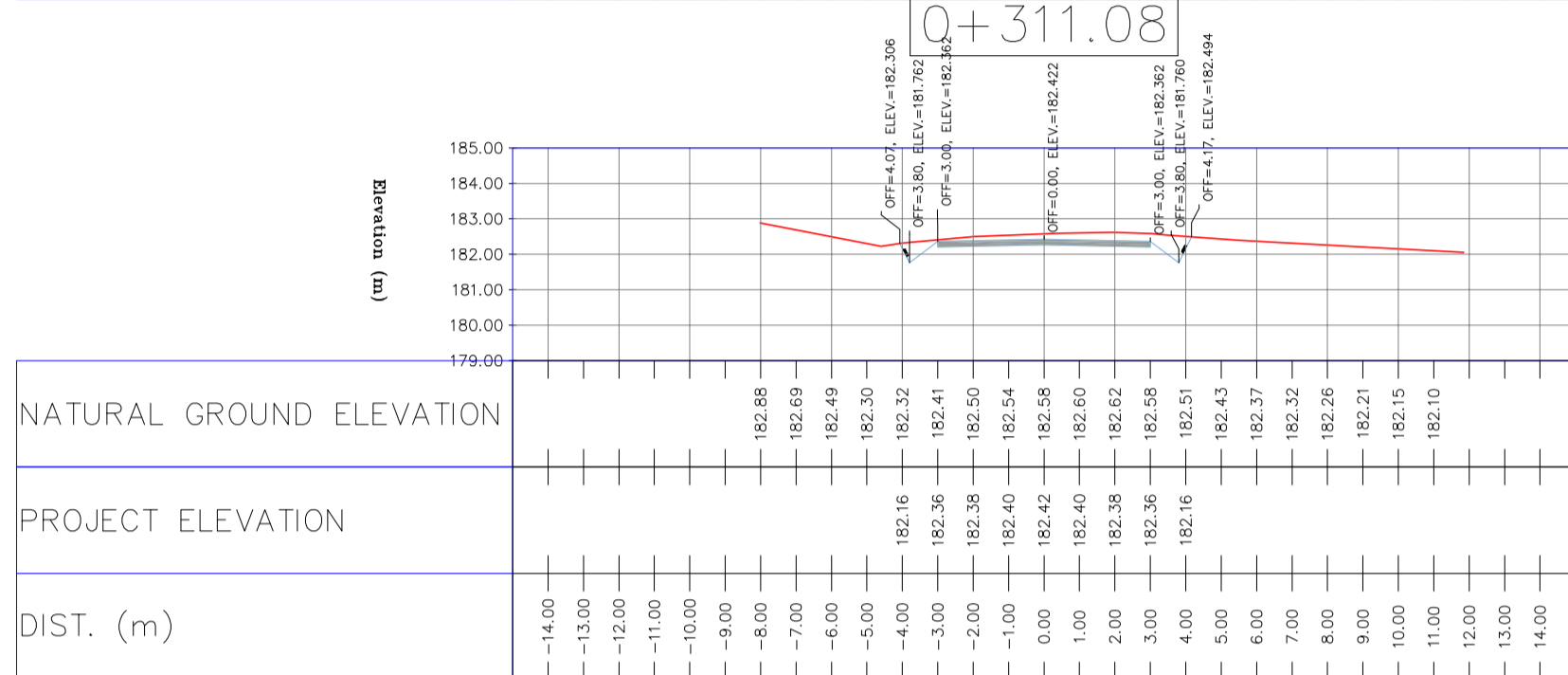
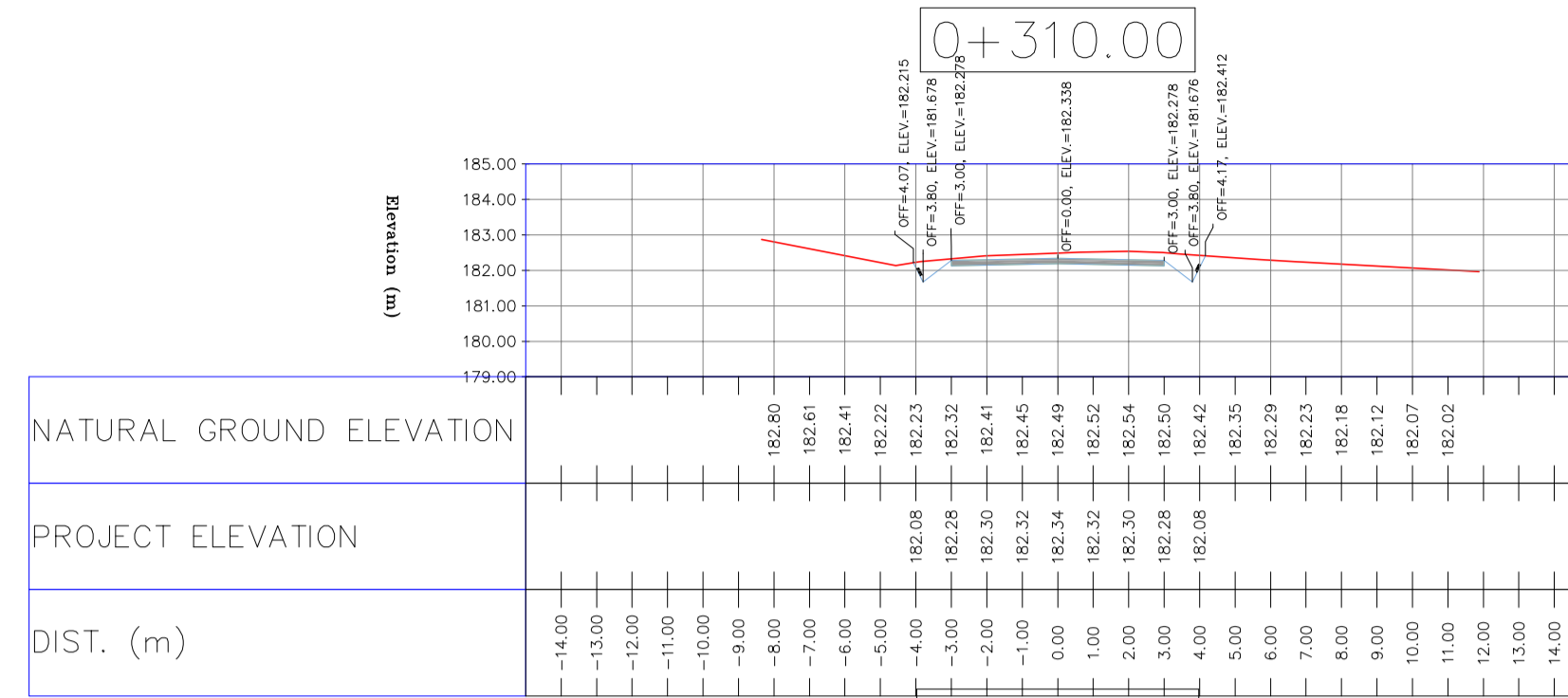
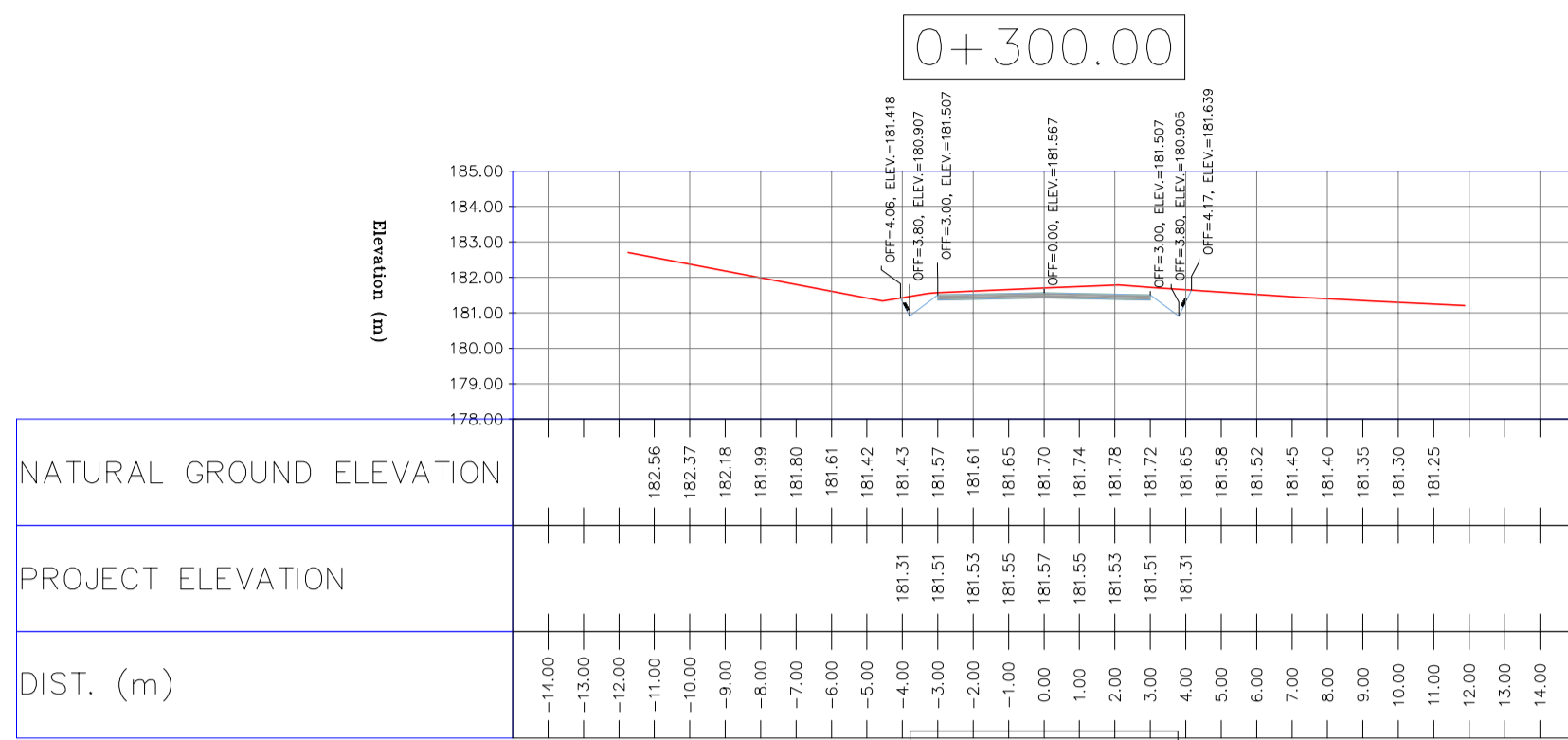


NOTES

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VERTICAL DATUM: MSL
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- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
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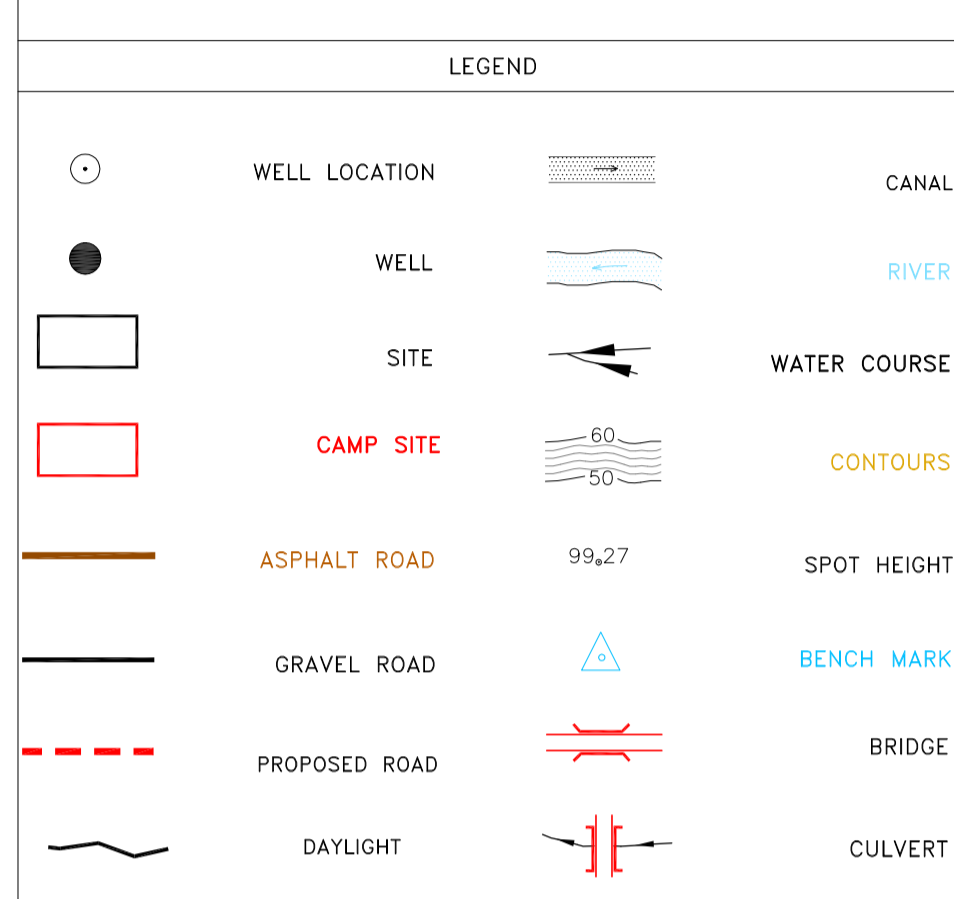


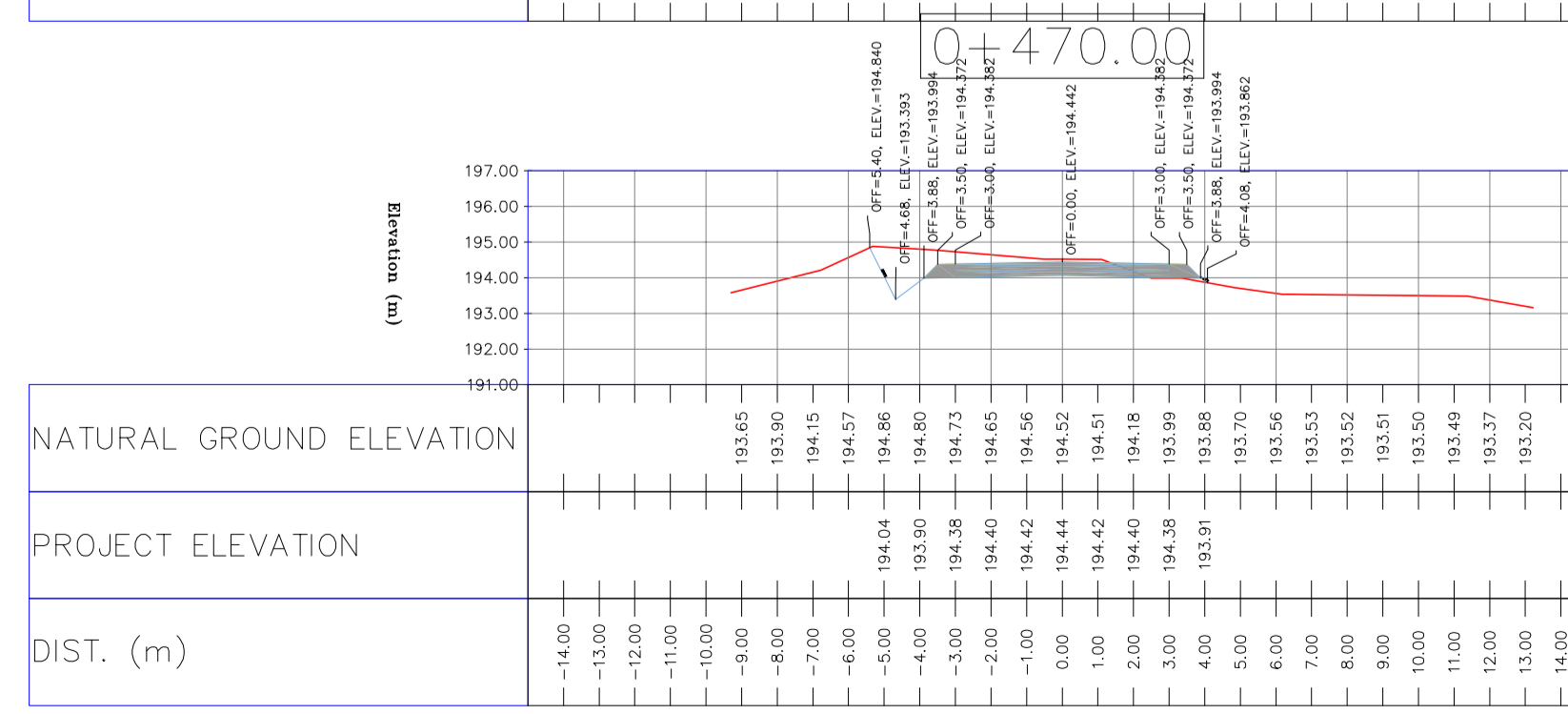
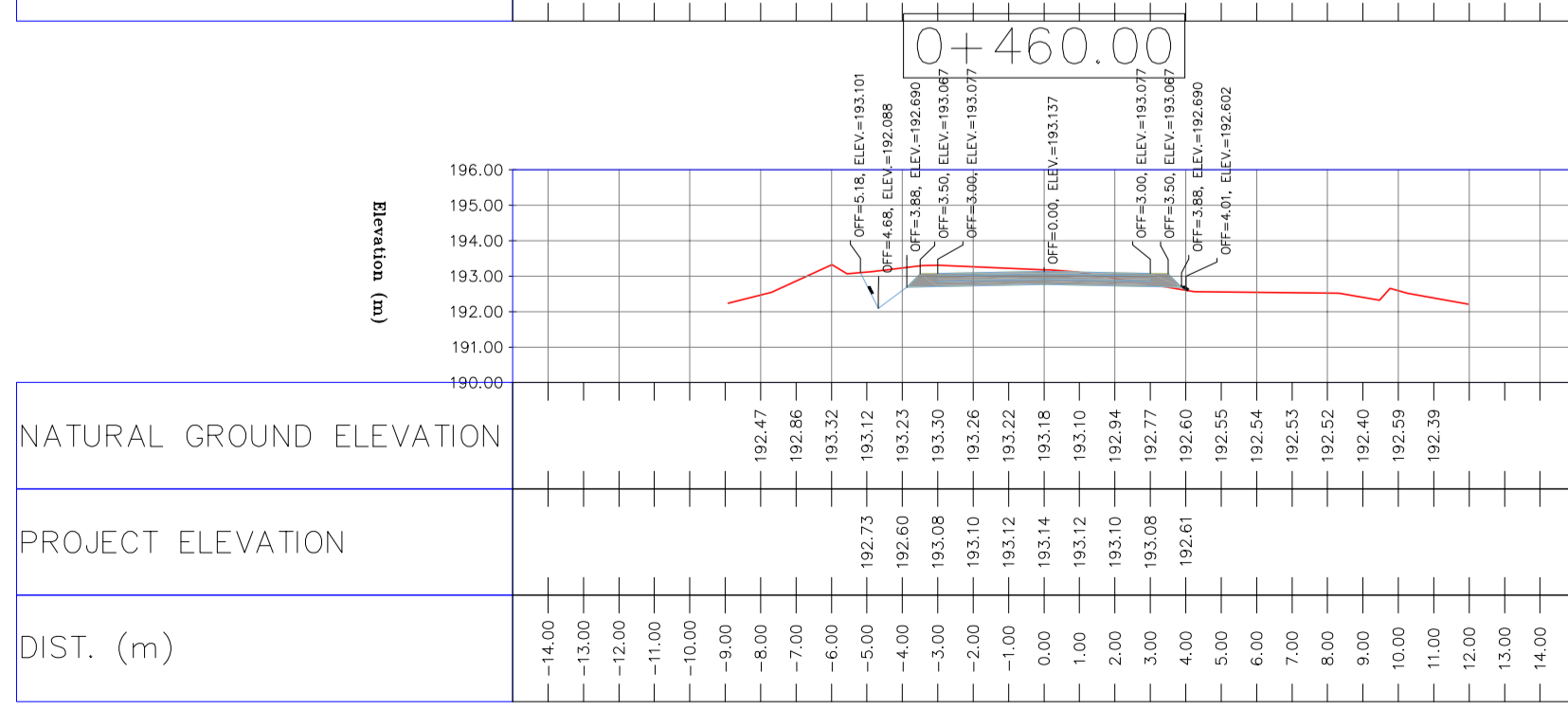
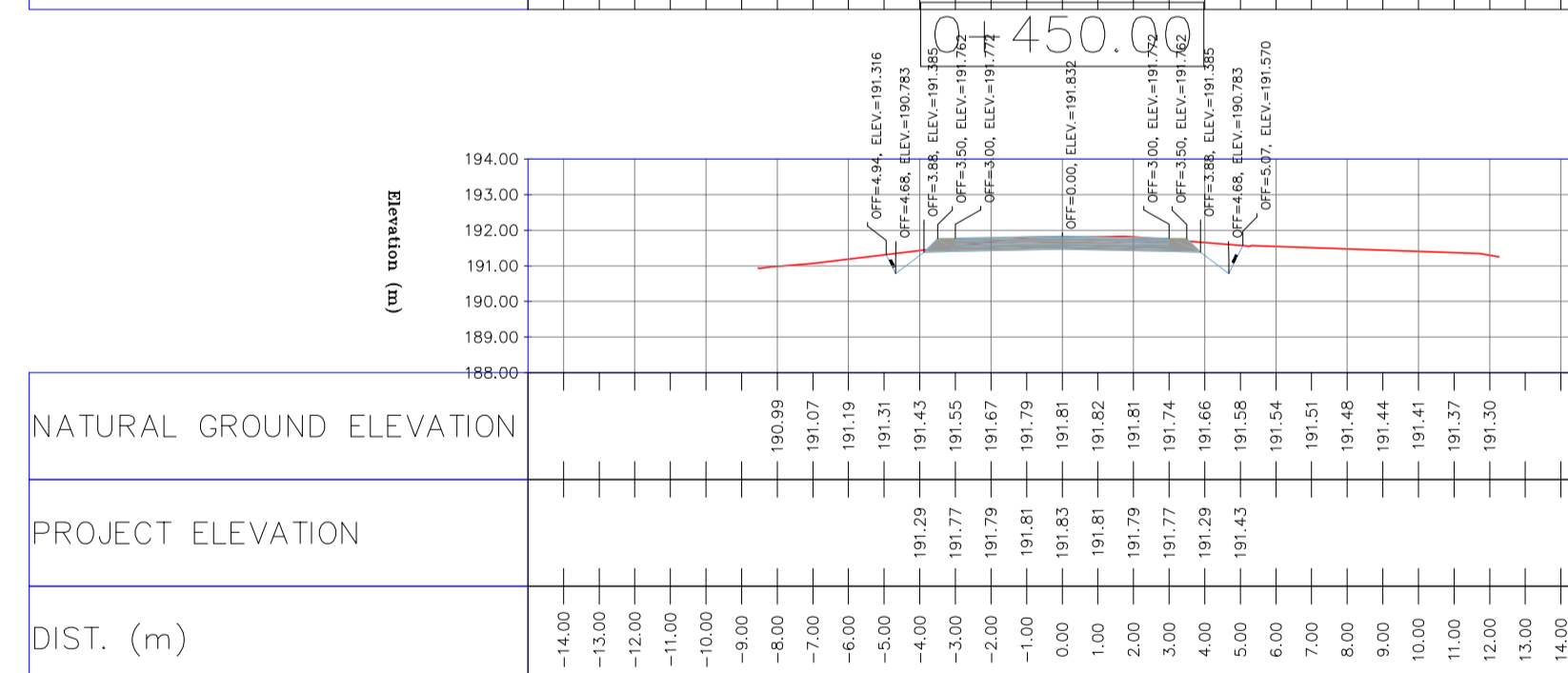
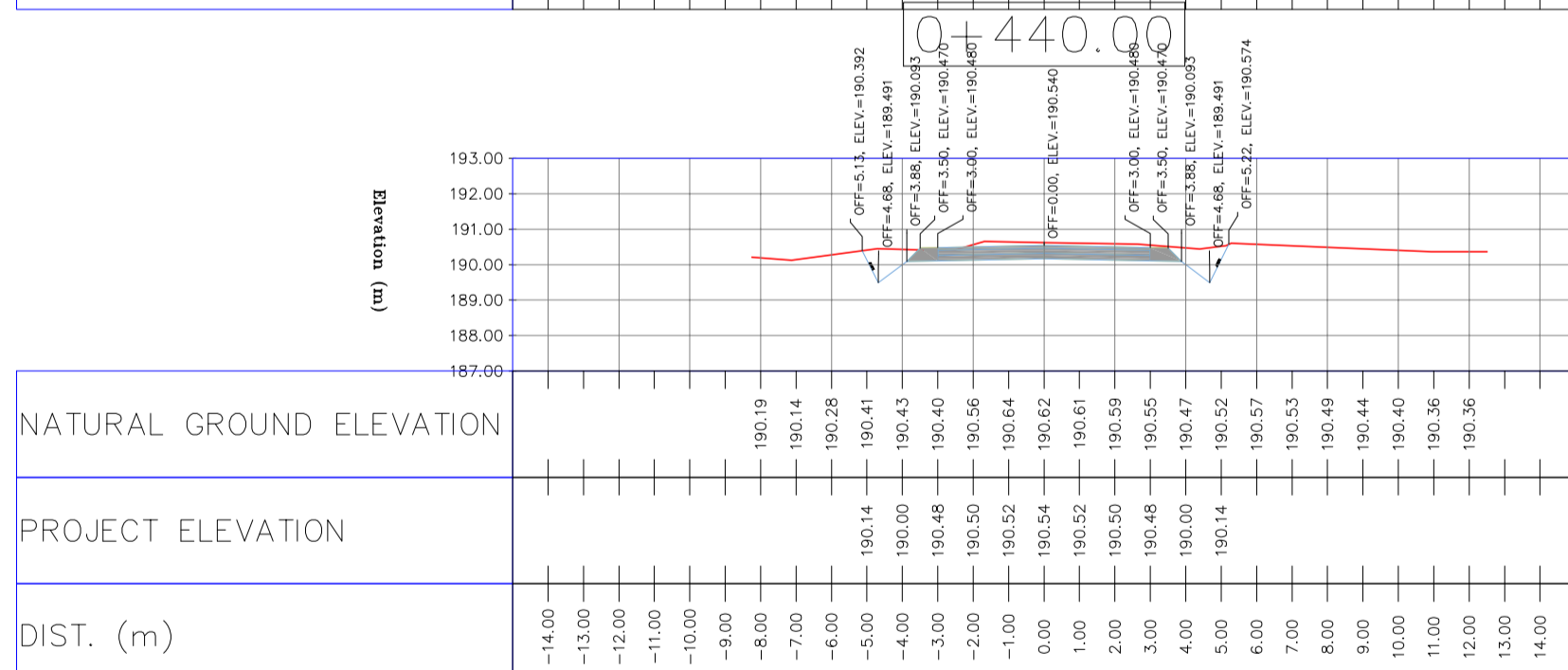
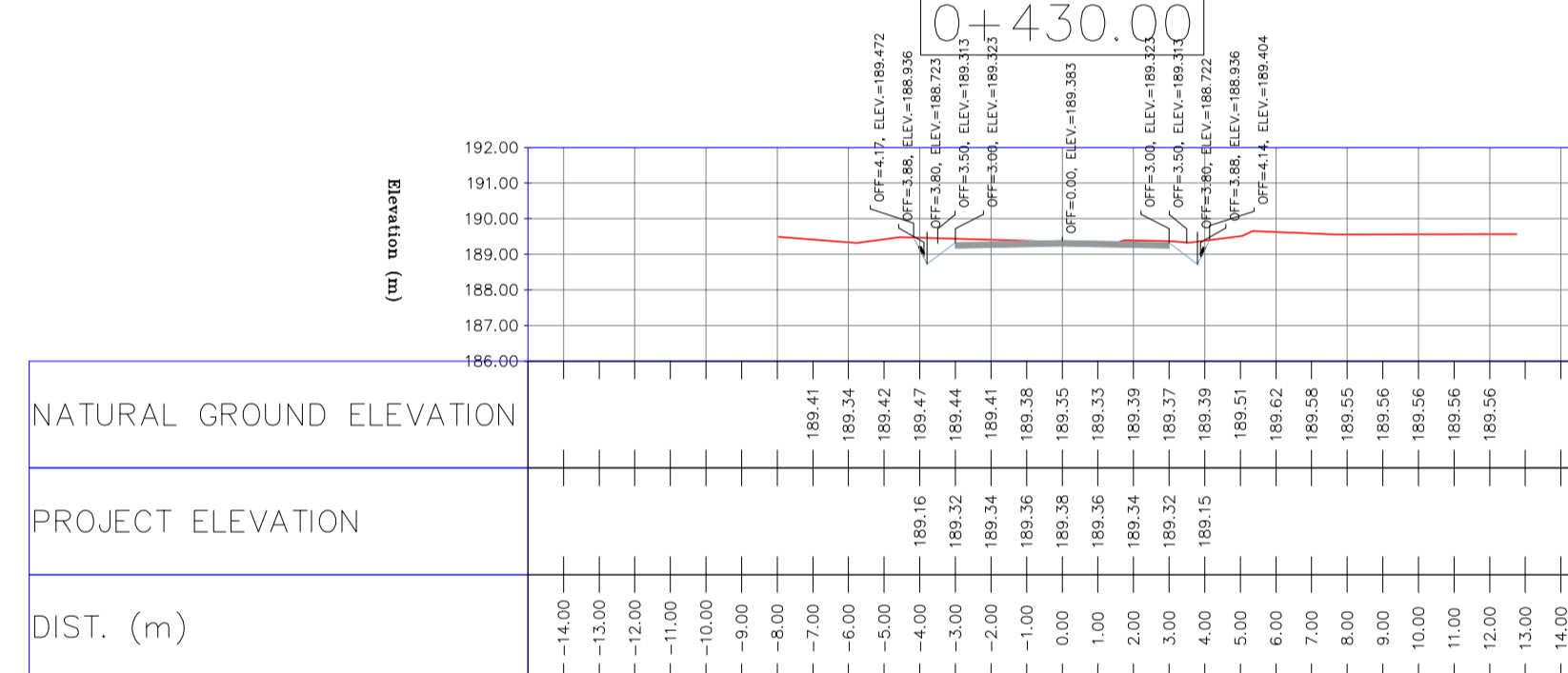
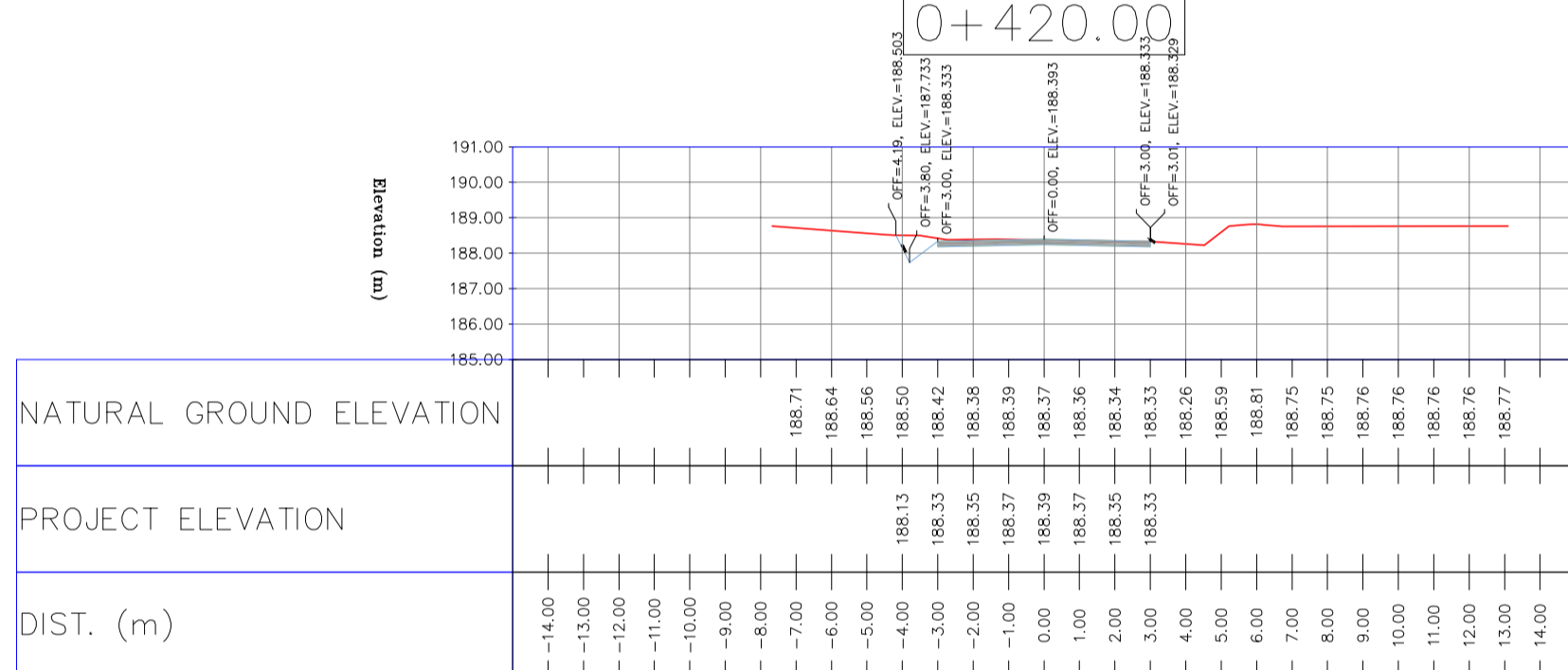
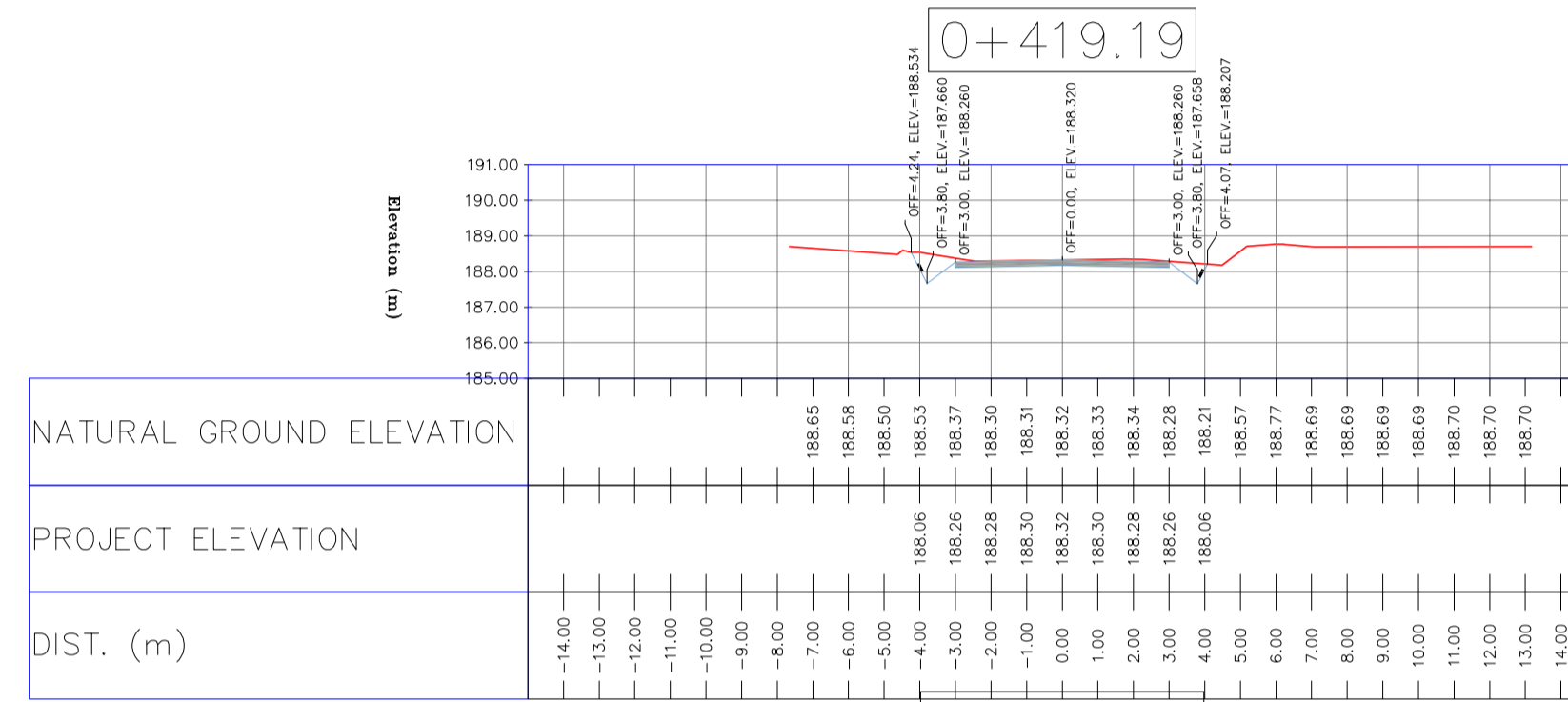
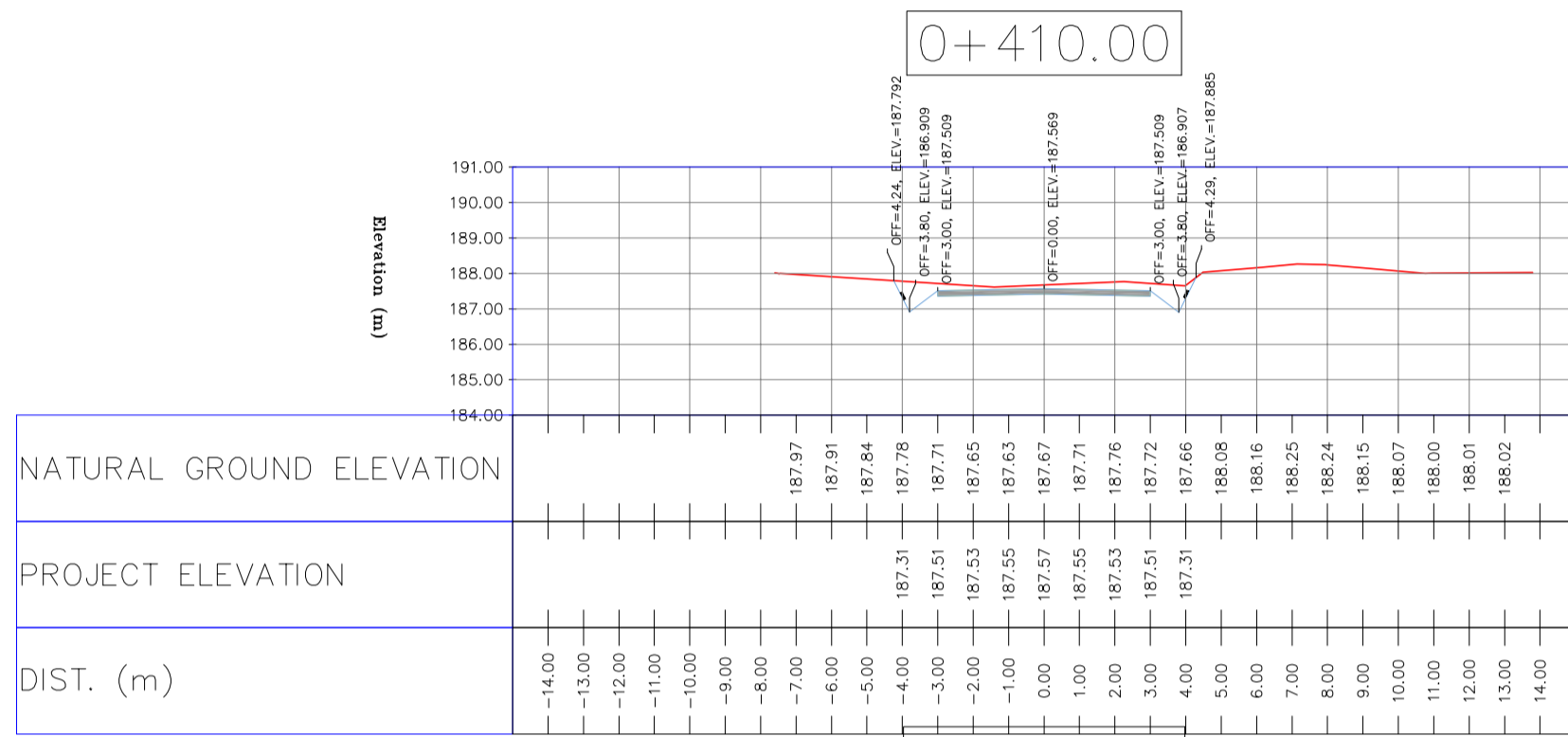
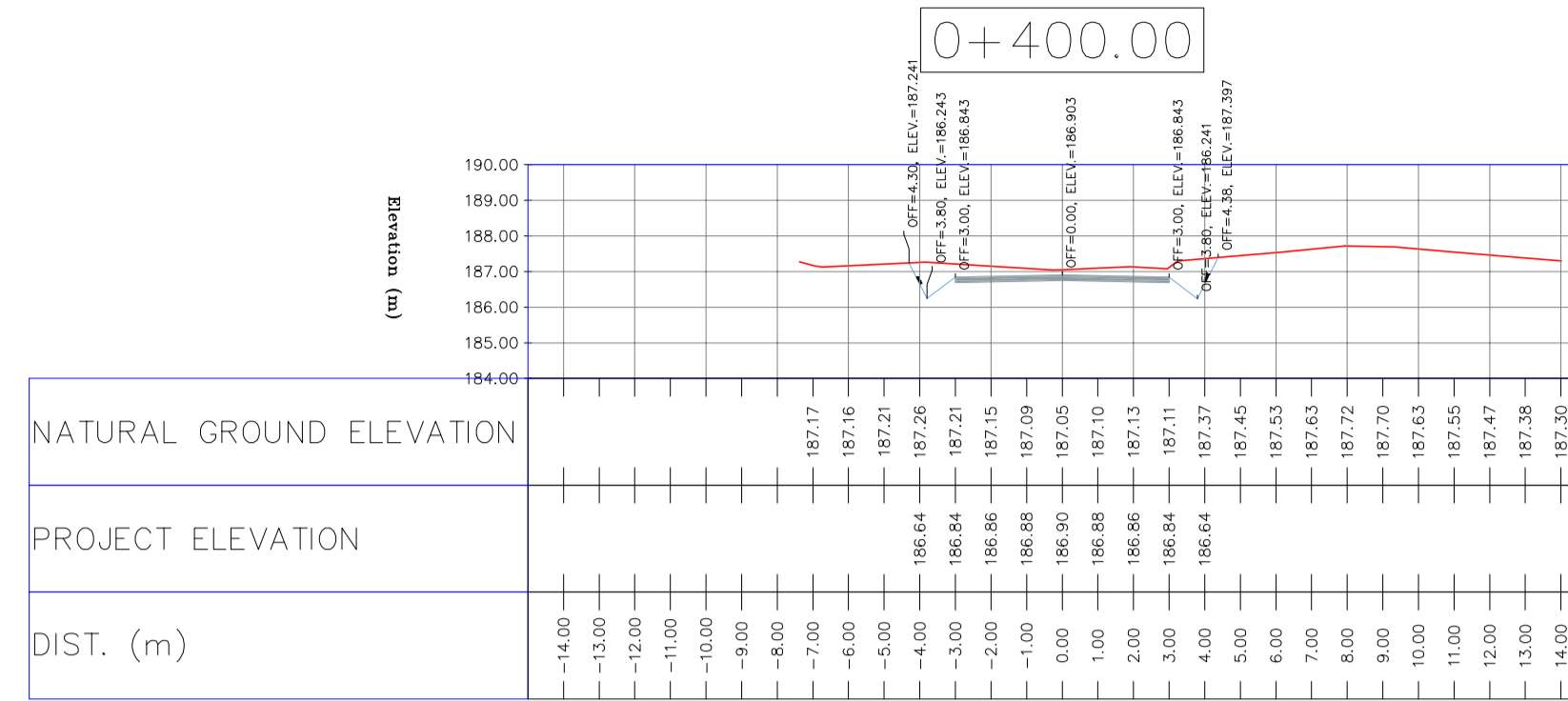
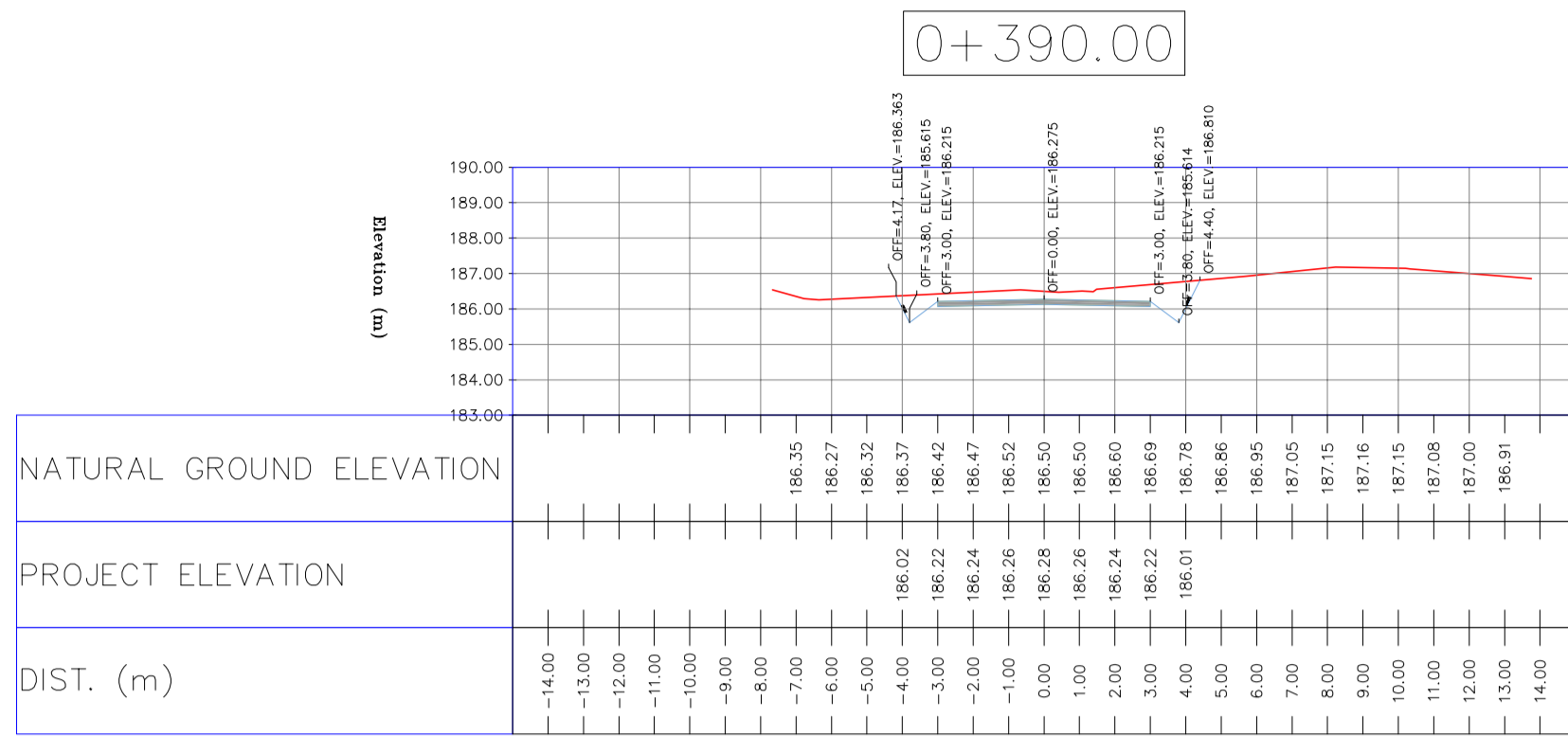
REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report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



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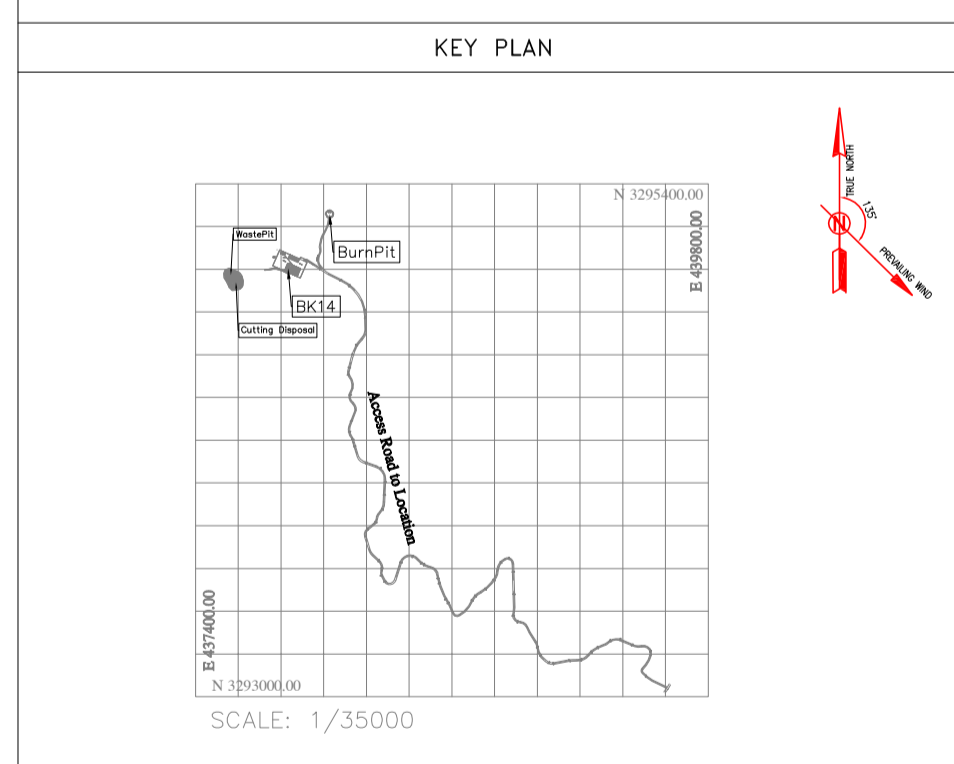
LEGEND

	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
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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
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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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D00	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

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

SCALE: H=1:200, V=1:200

SIZE: A1

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

SHEET NO.: 35 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 35

REVISION: D05

REV.	DESCRIPTION	BY	DATE	BY	DATE
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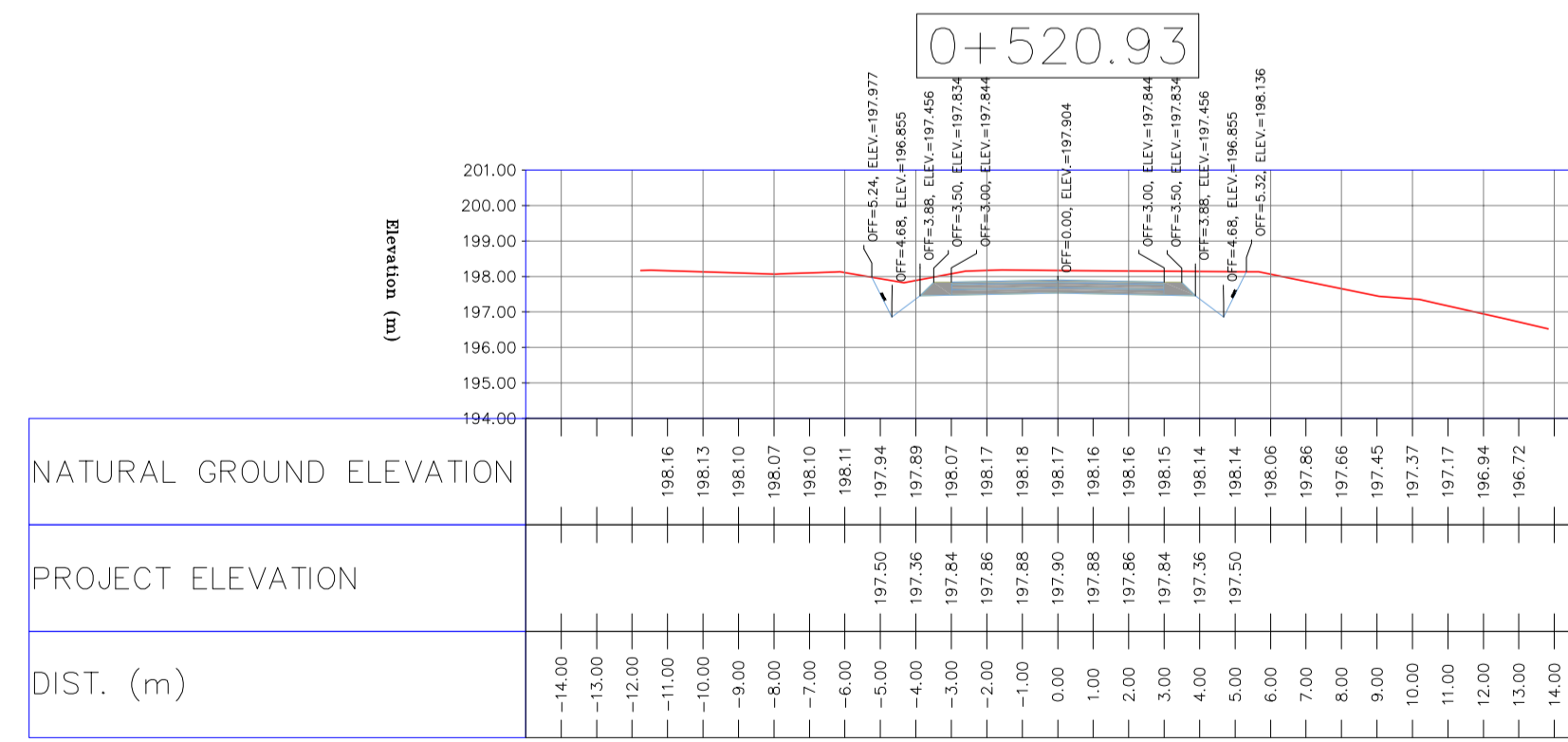
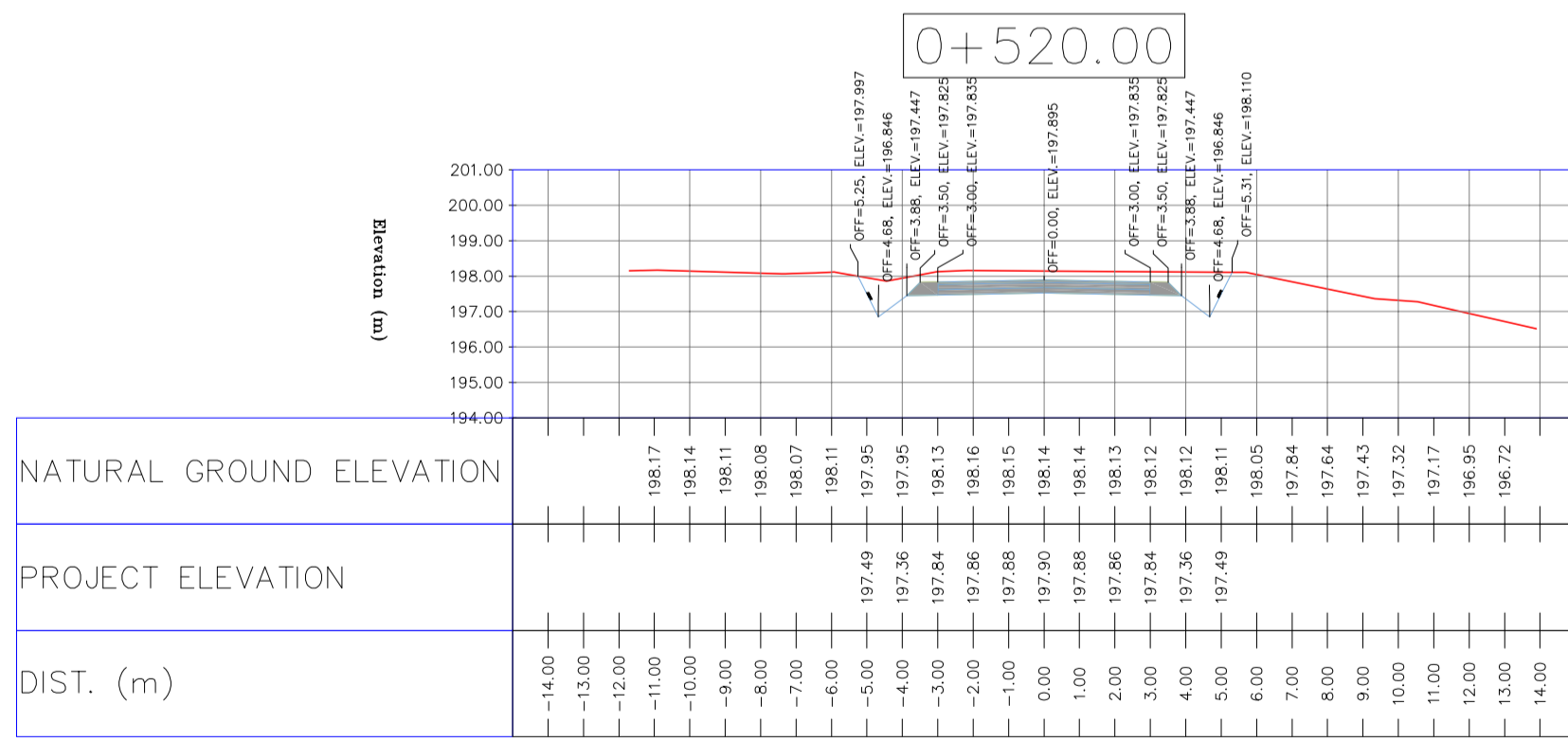
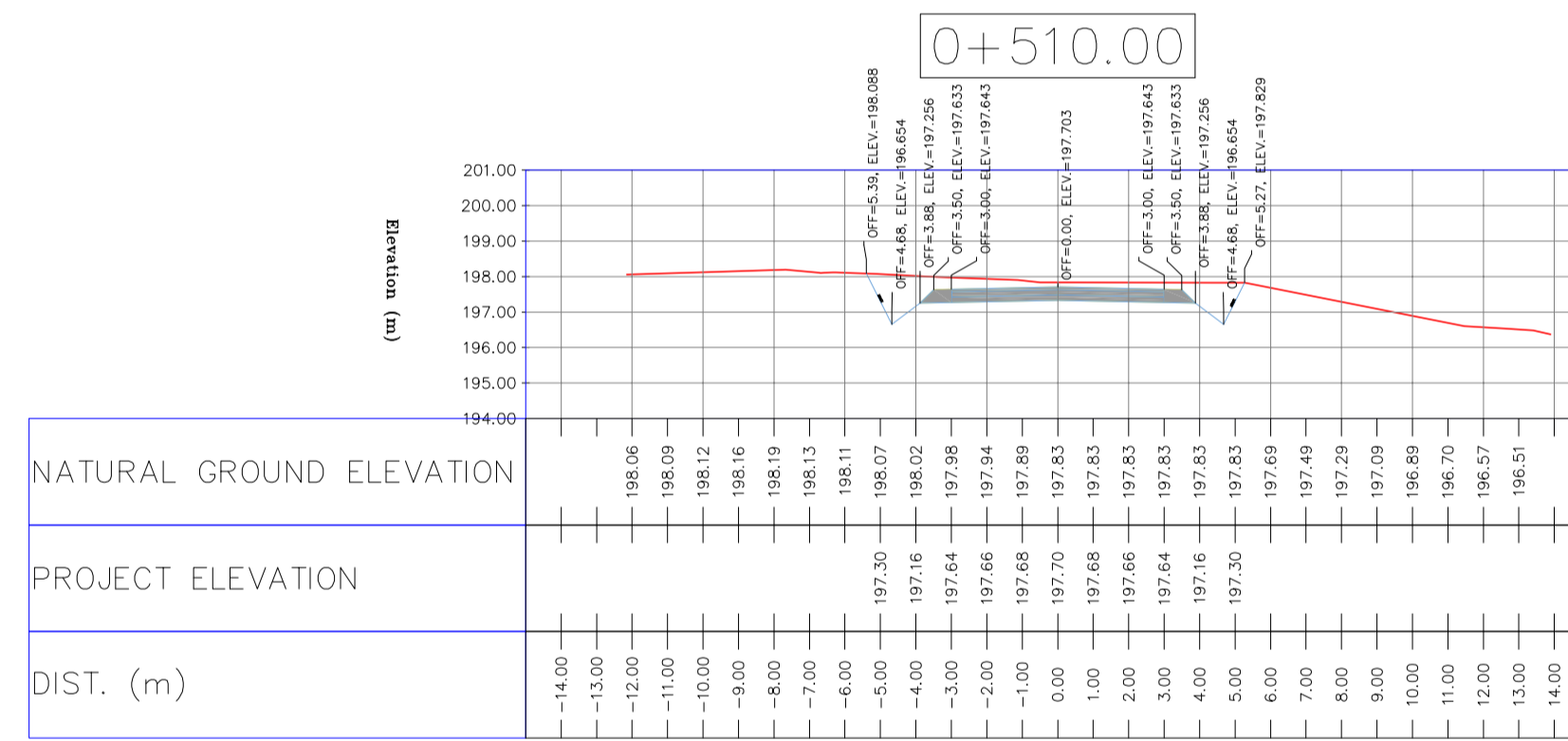
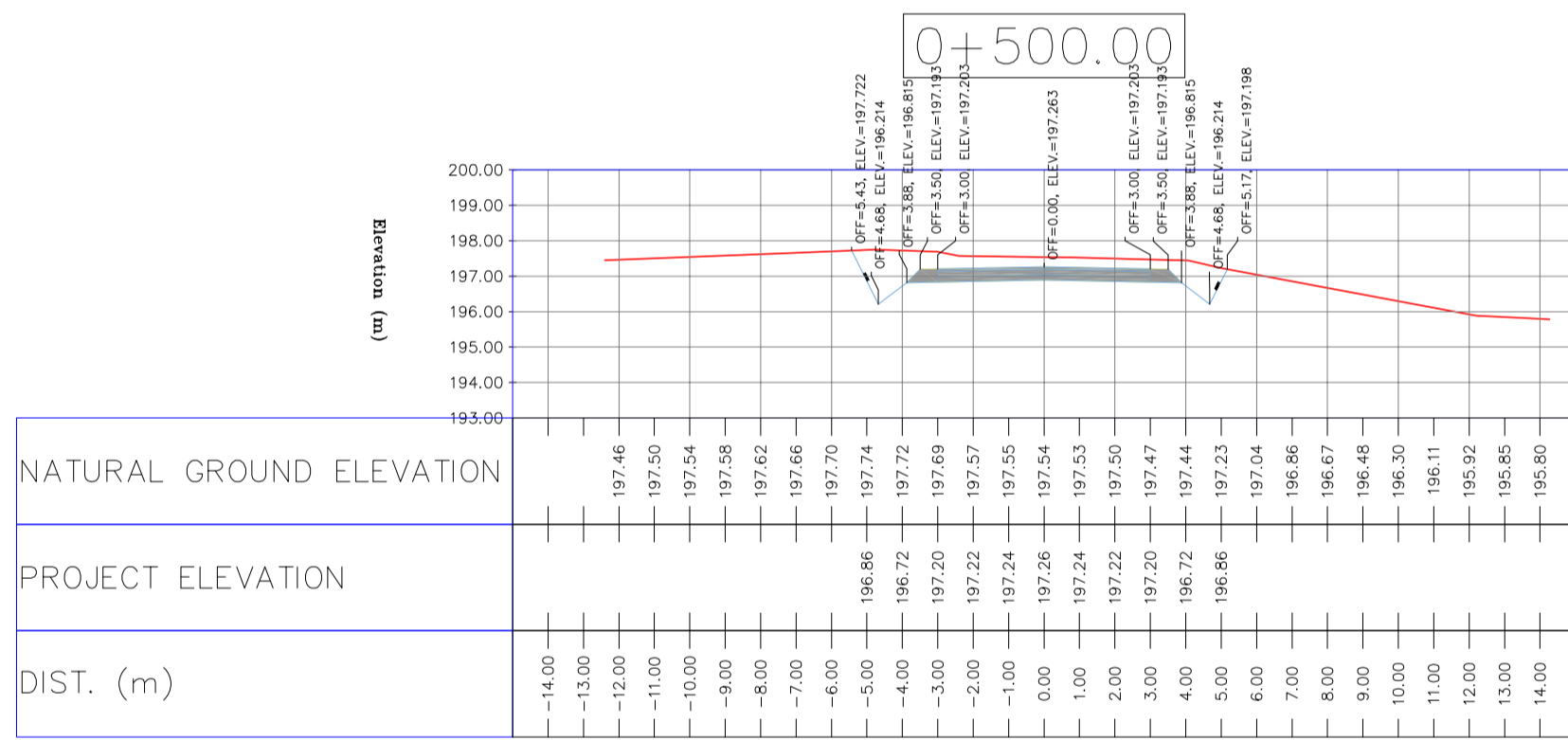
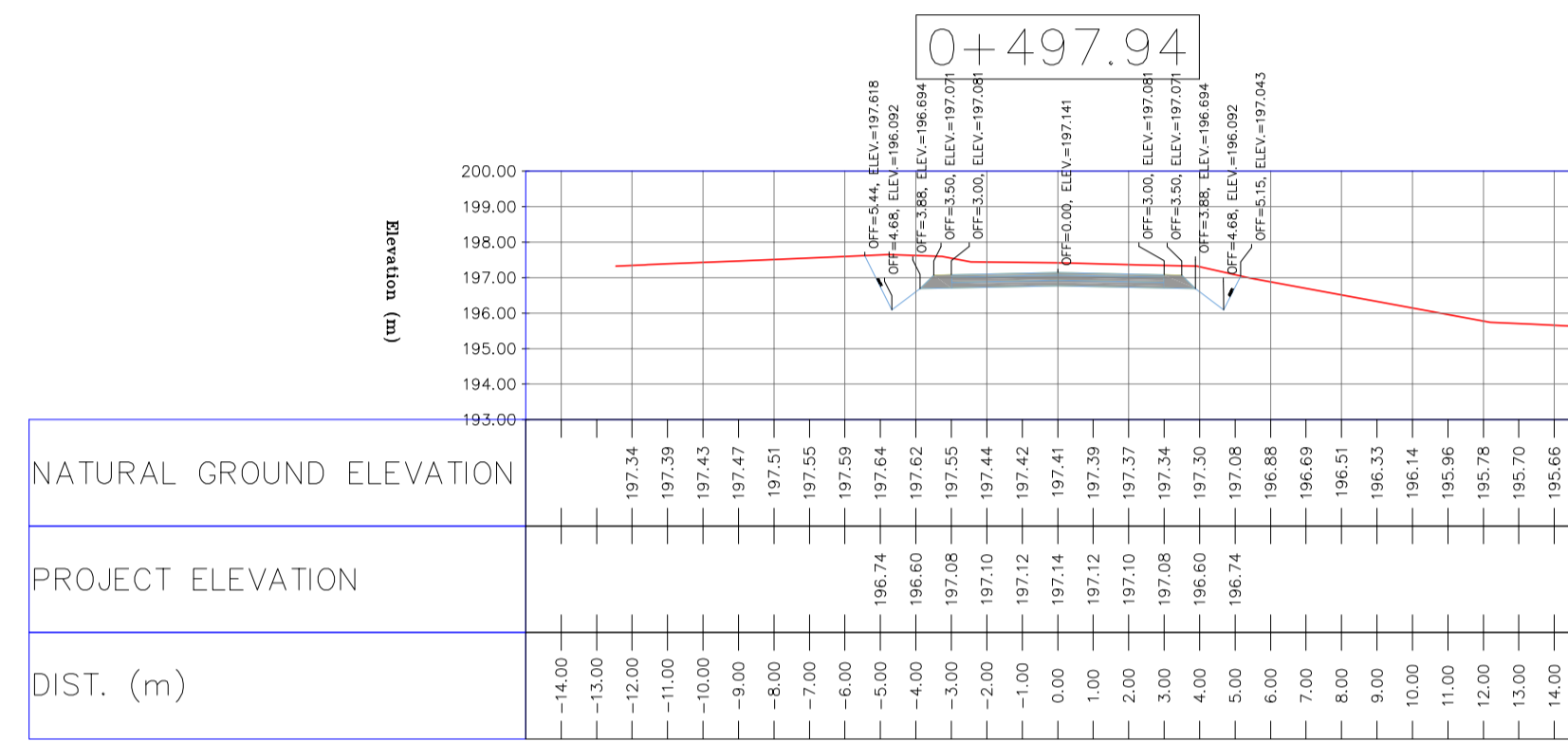
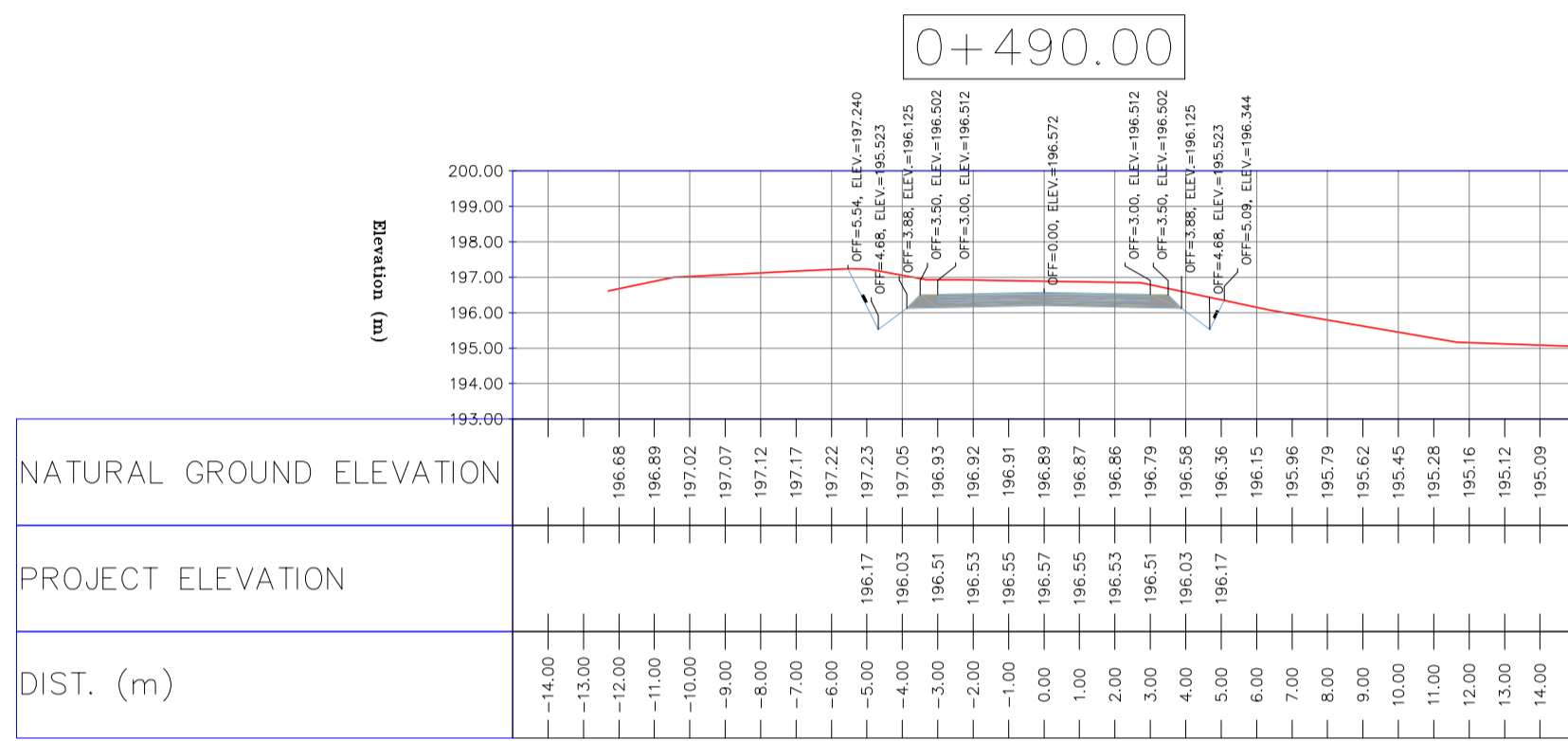
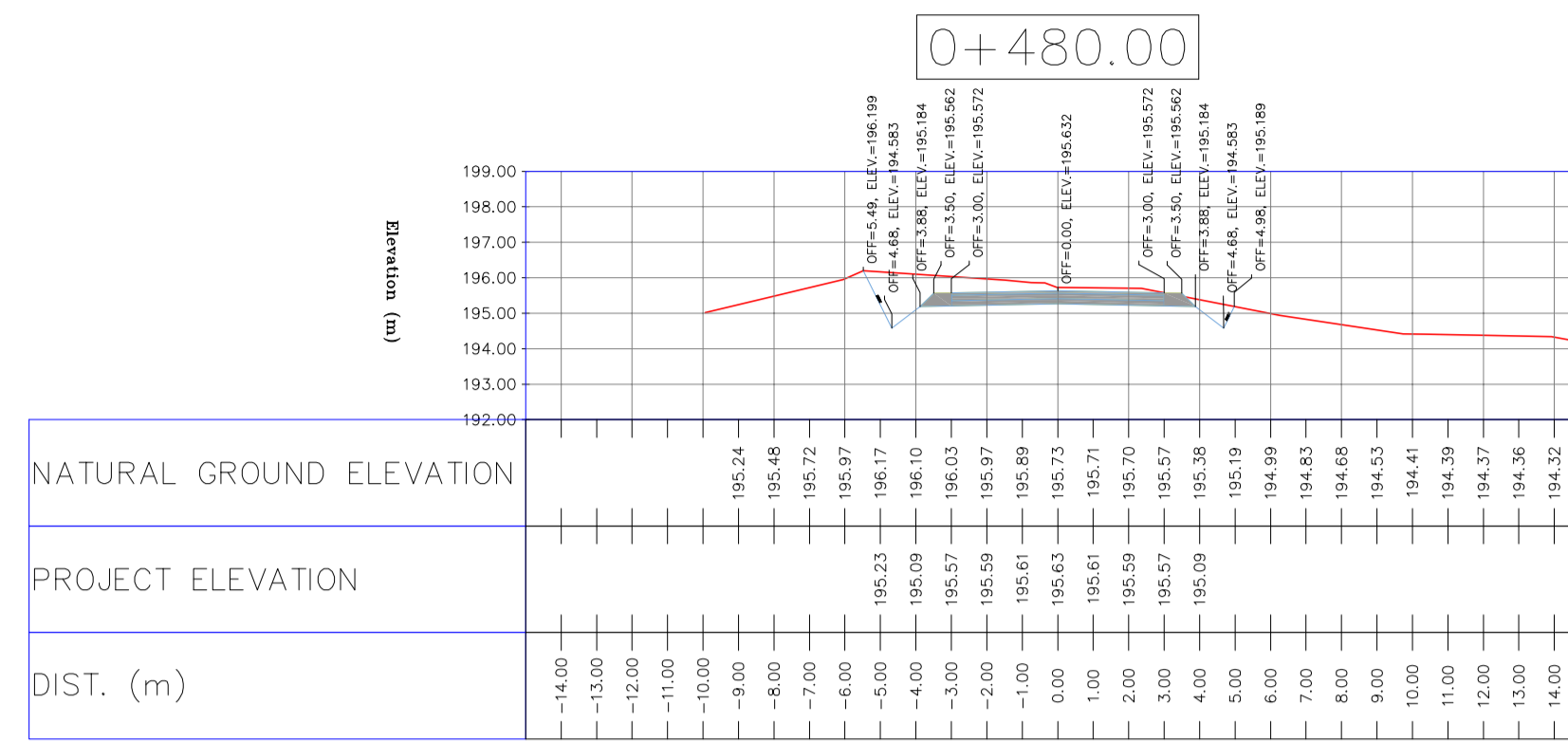
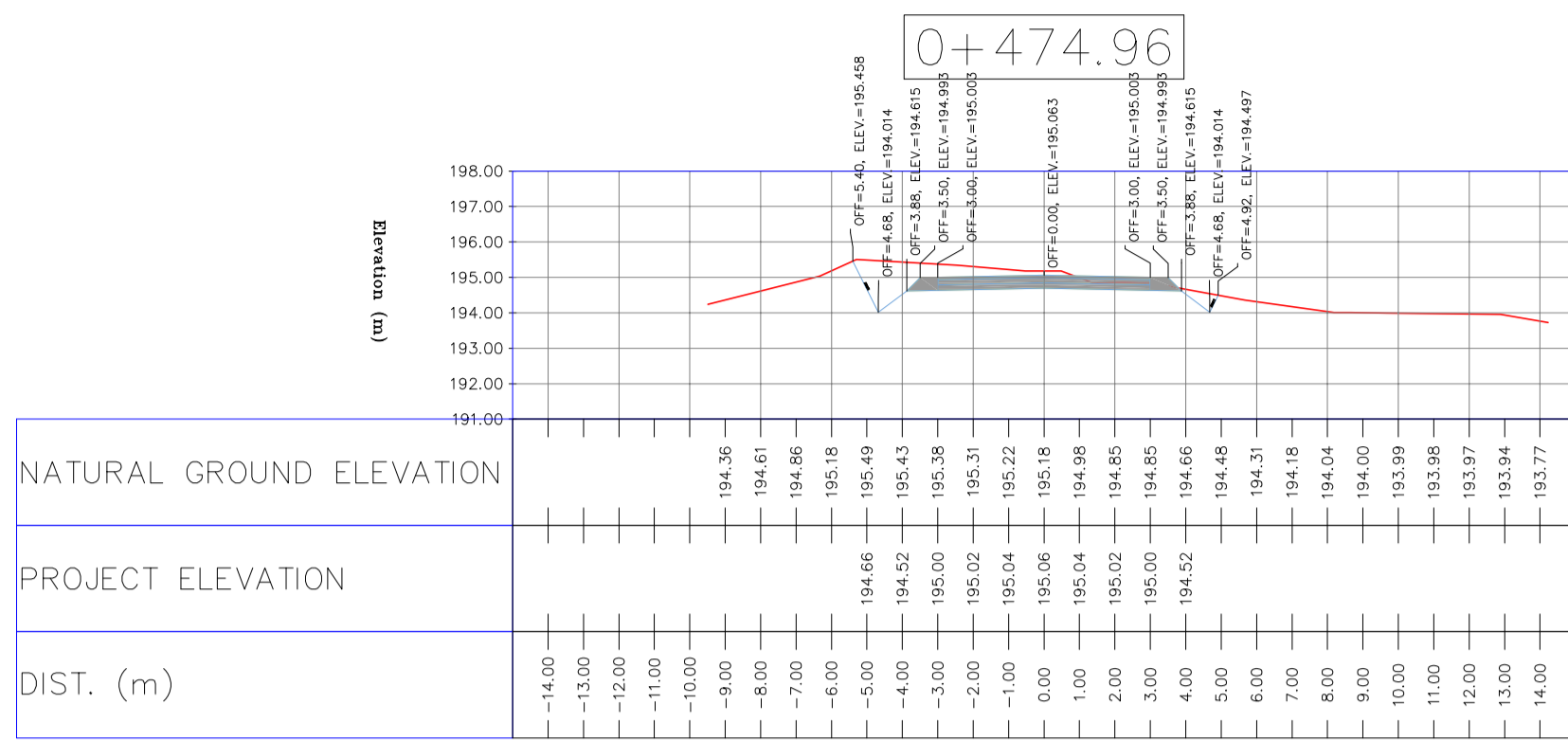
اخذ و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشند.

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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:



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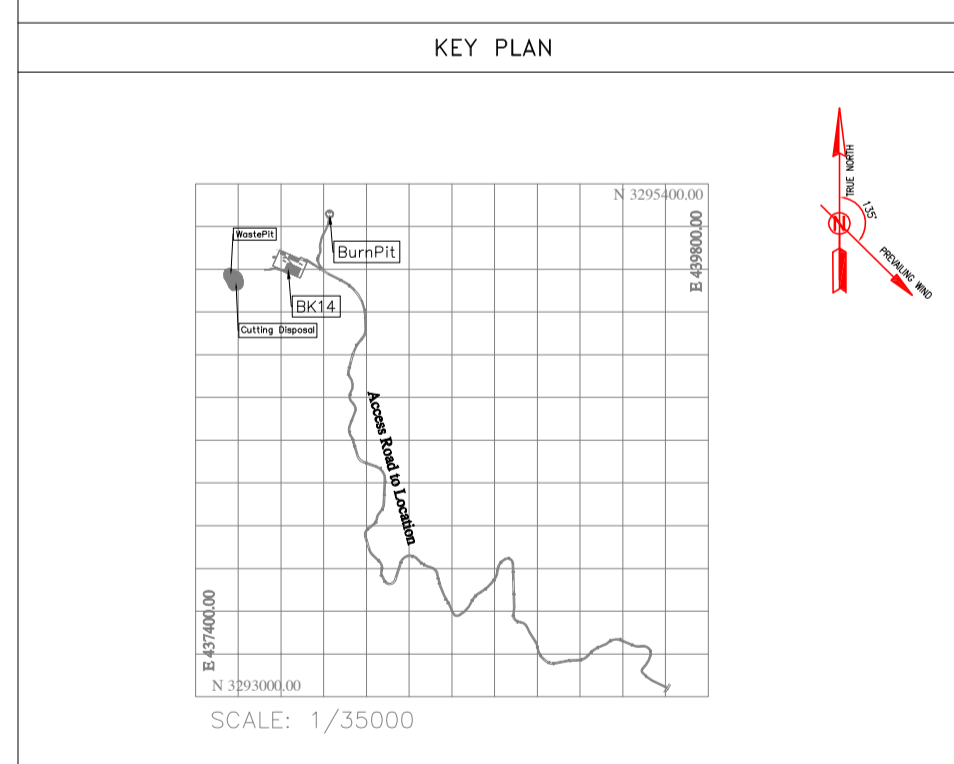
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
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REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
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D05	AUG.2023	AFC	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
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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 ACCESS ROAD TRANSVERSAL SECTIONS

SCALE: H=1:200 V=1:200

SIZE: A1

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

SHEET NO.: 36 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

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SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 36

REVISION: D05

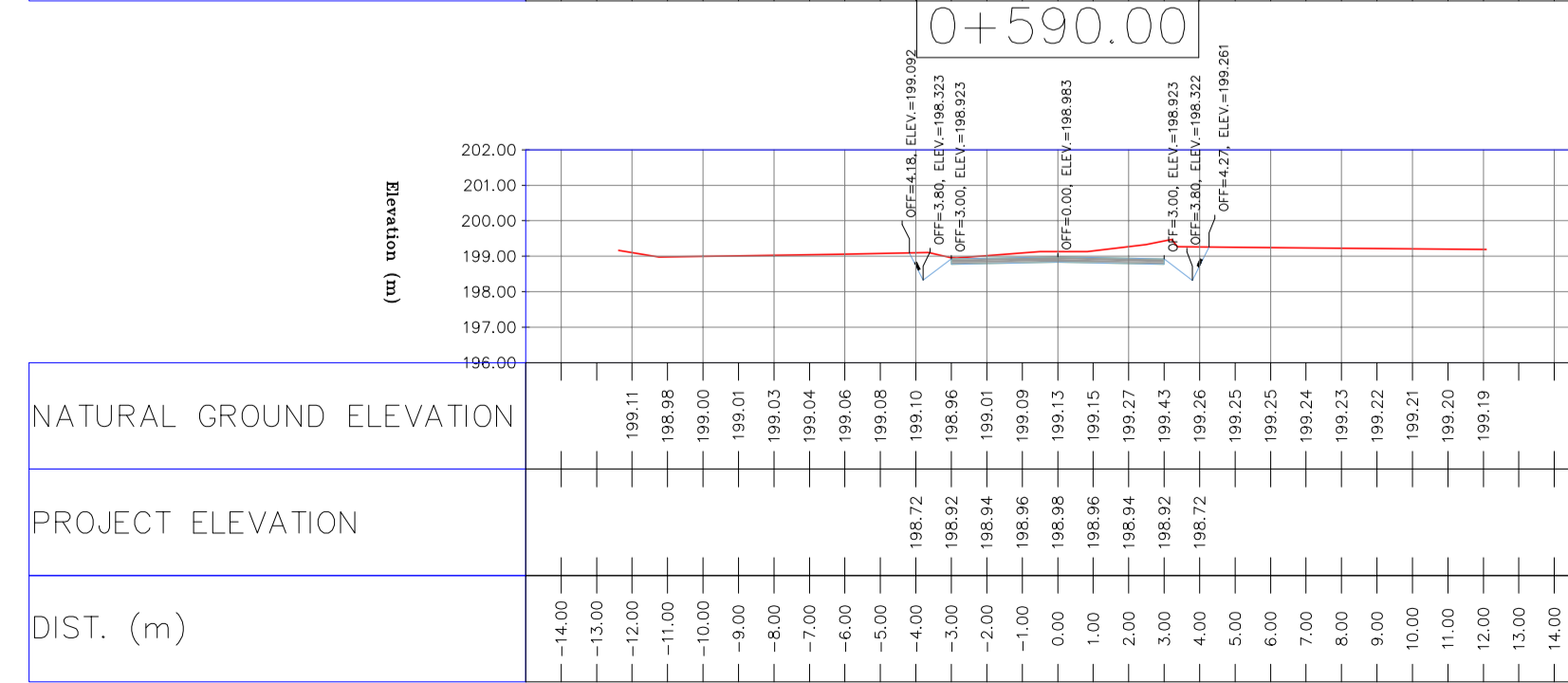
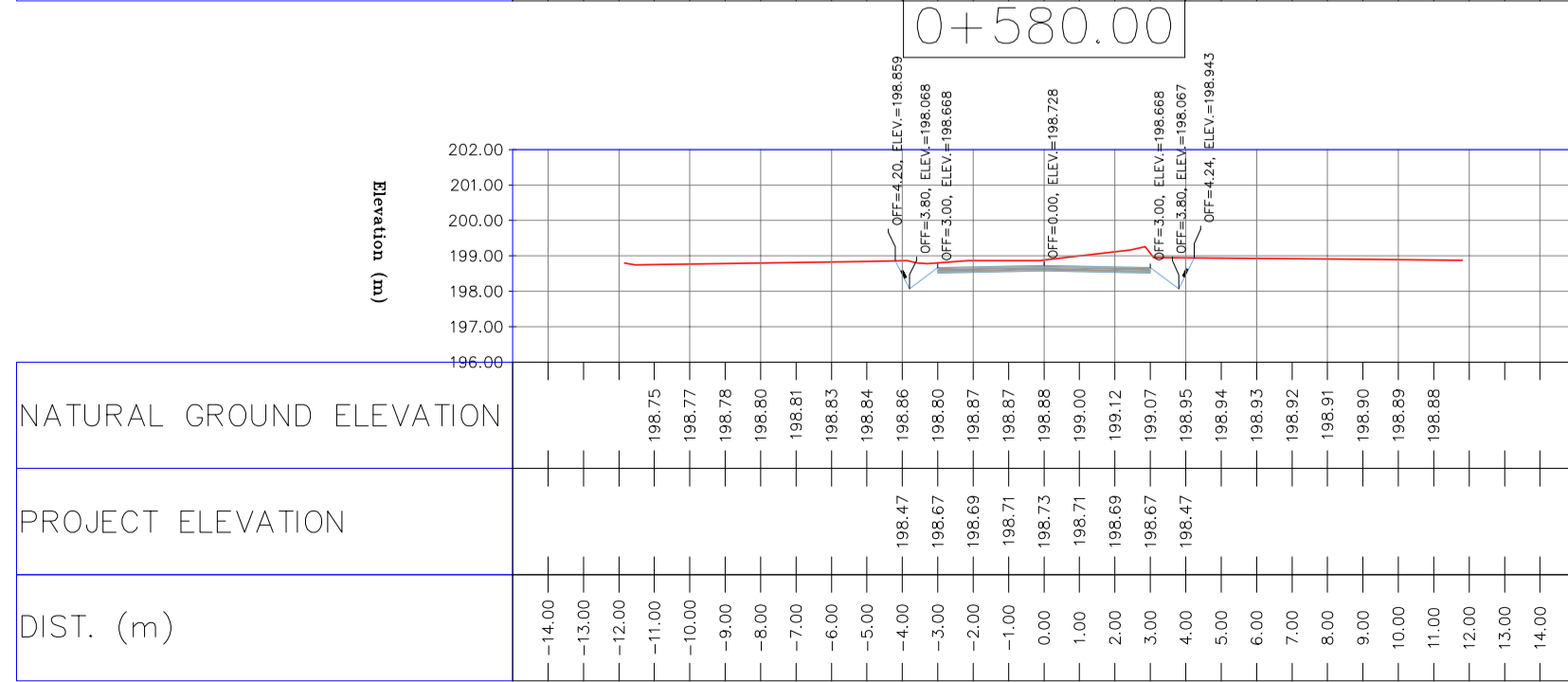
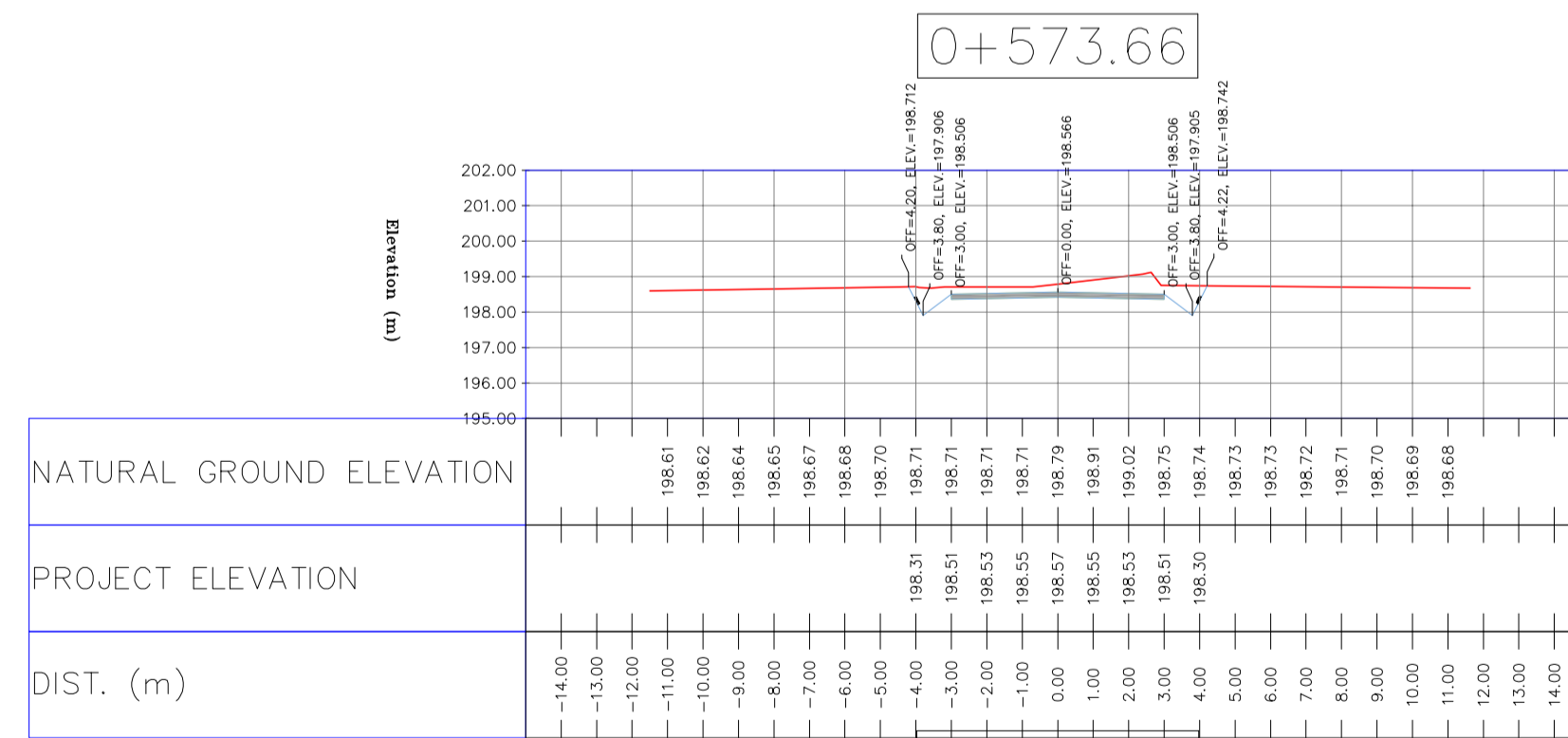
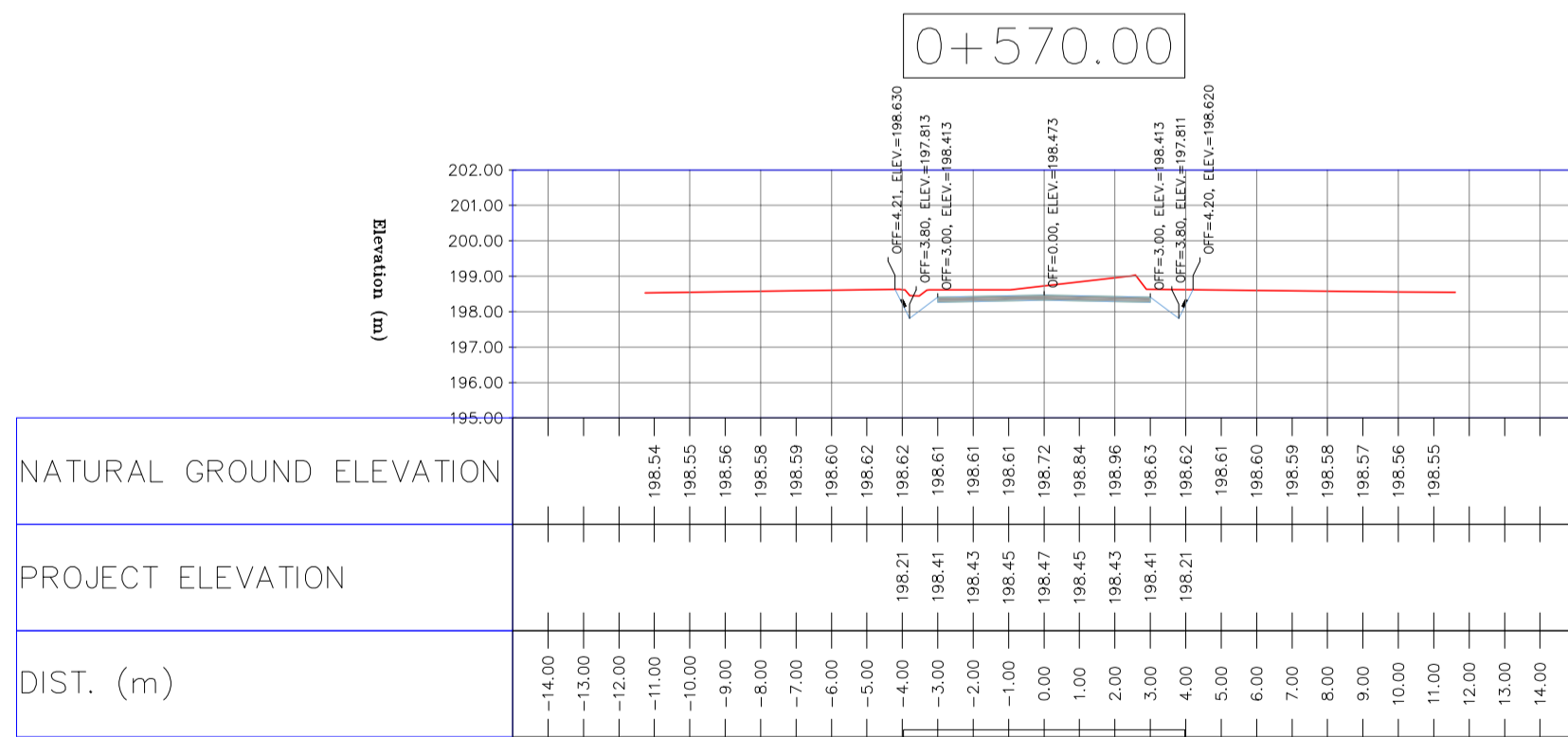
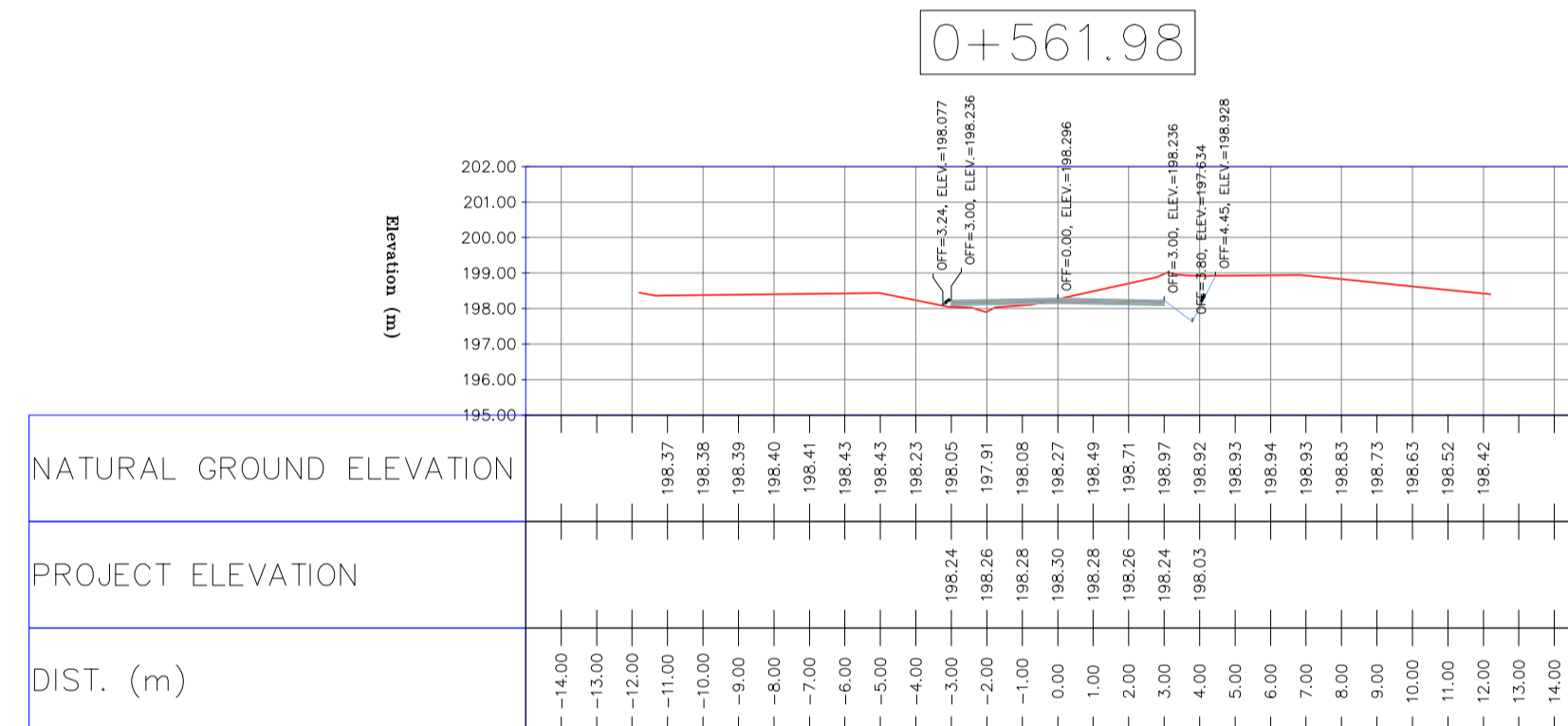
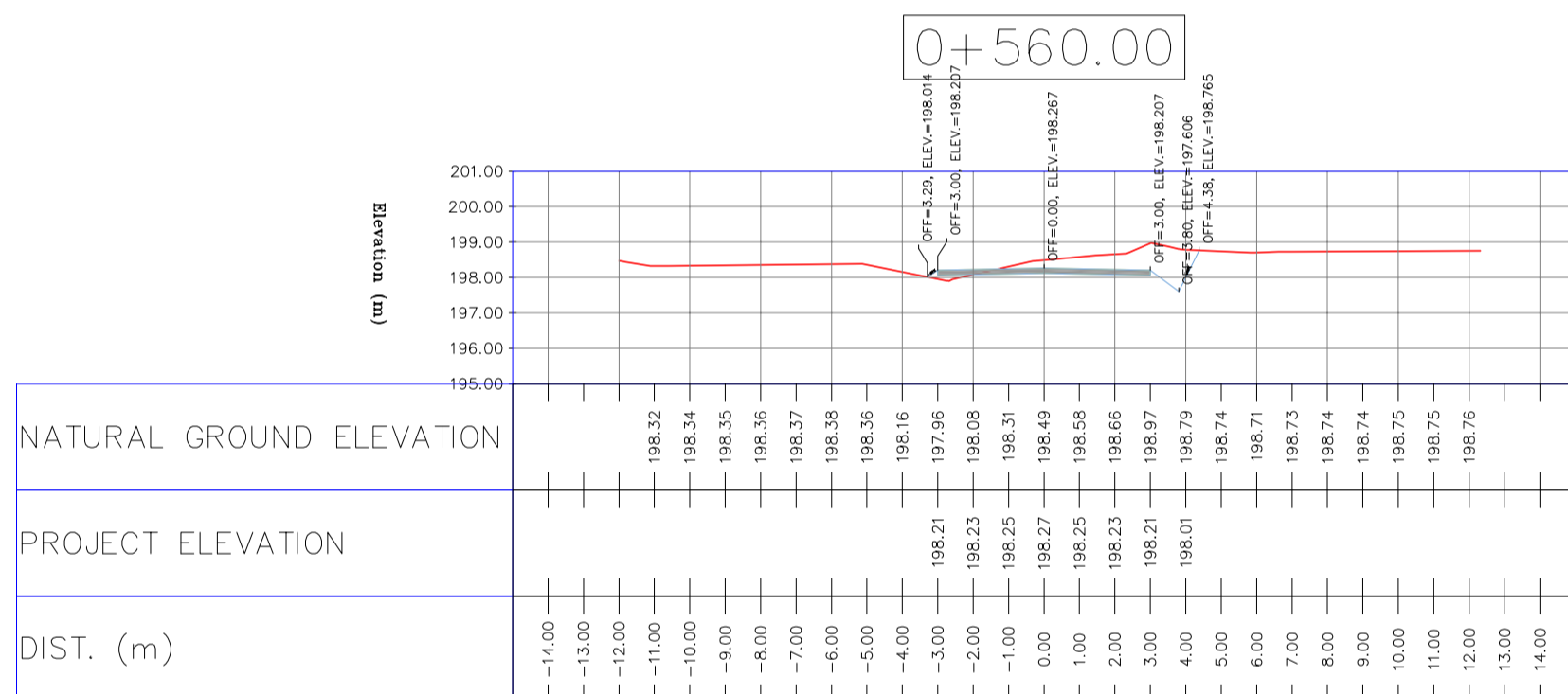
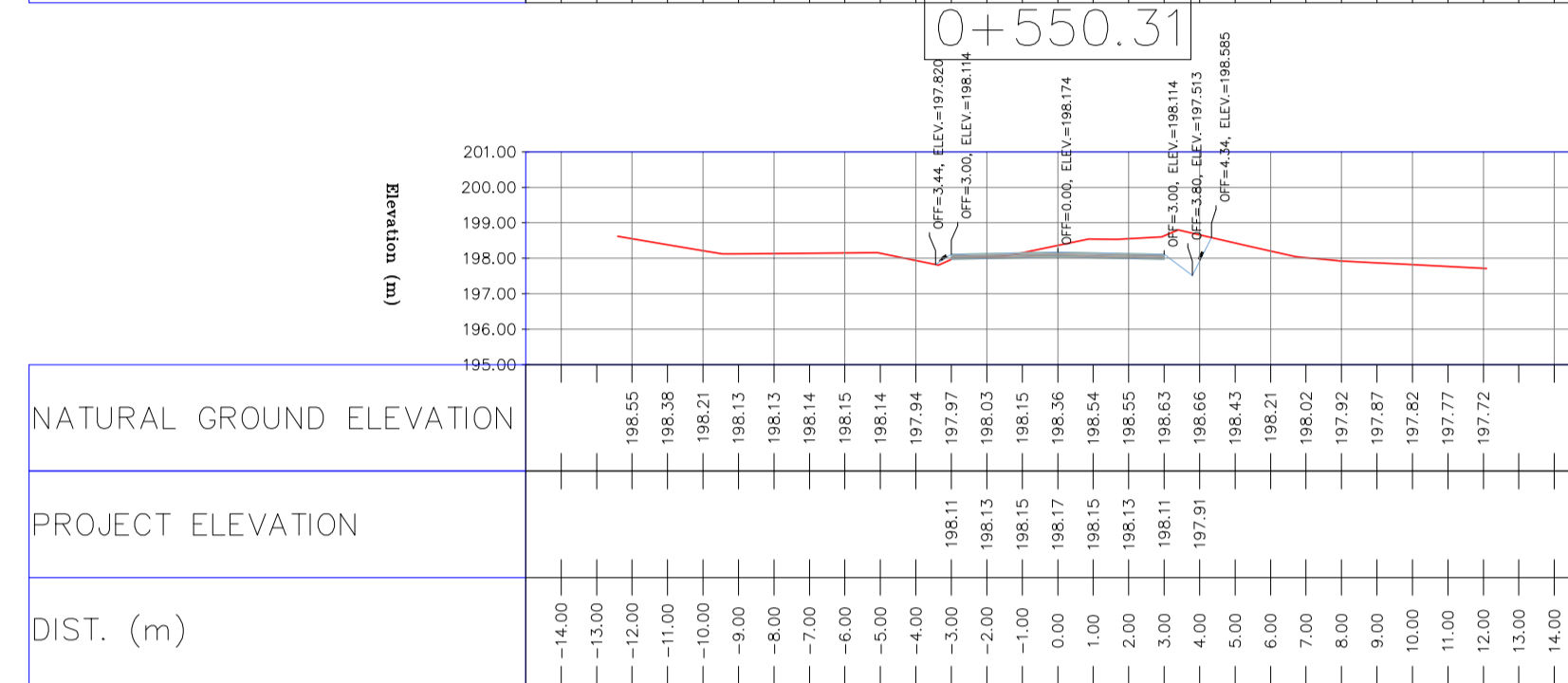
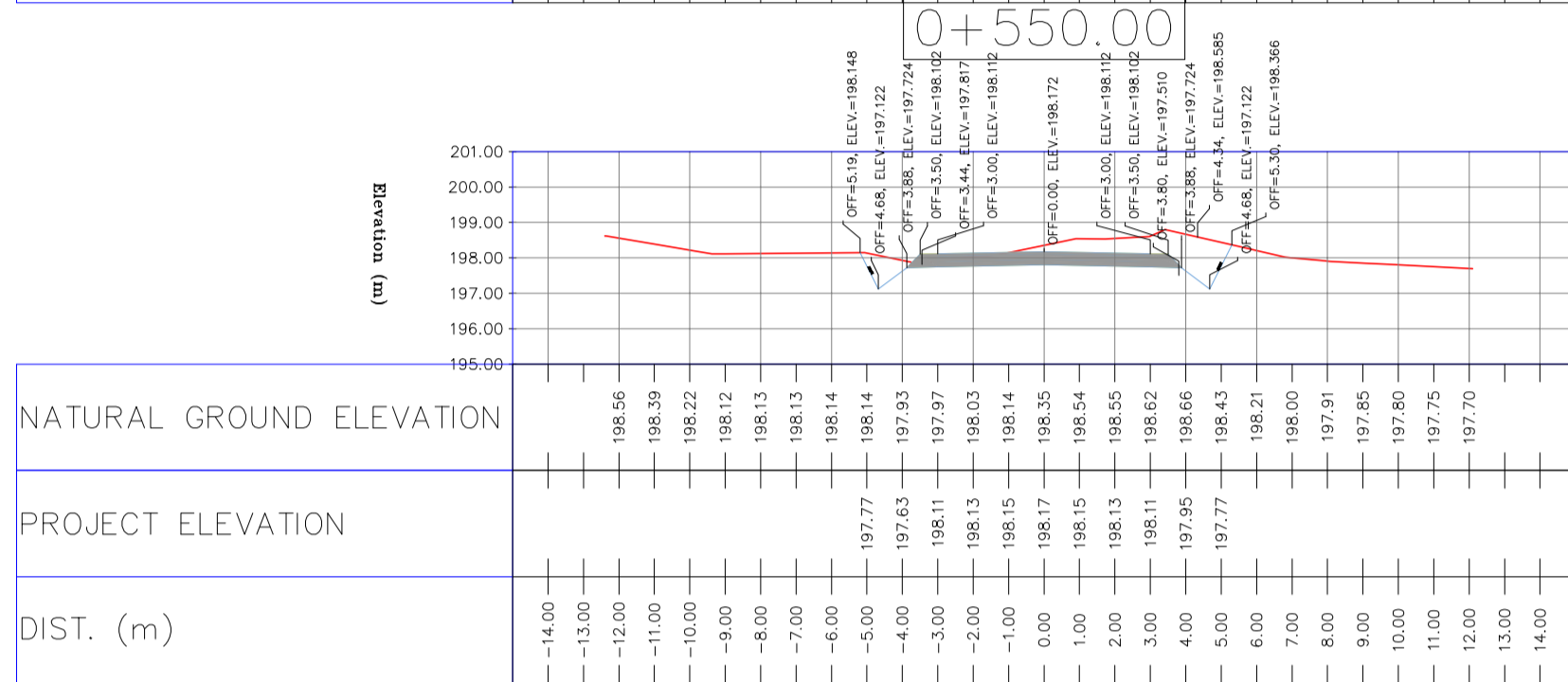
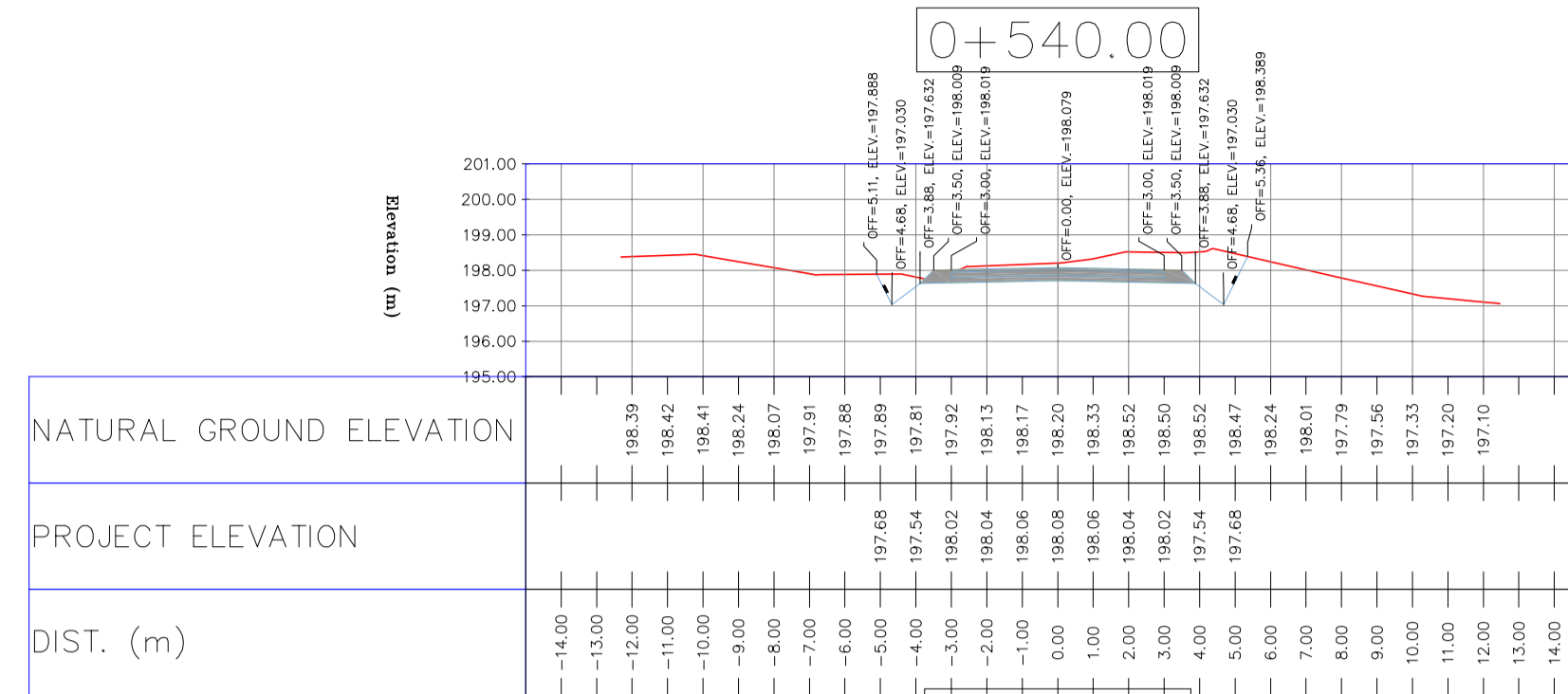
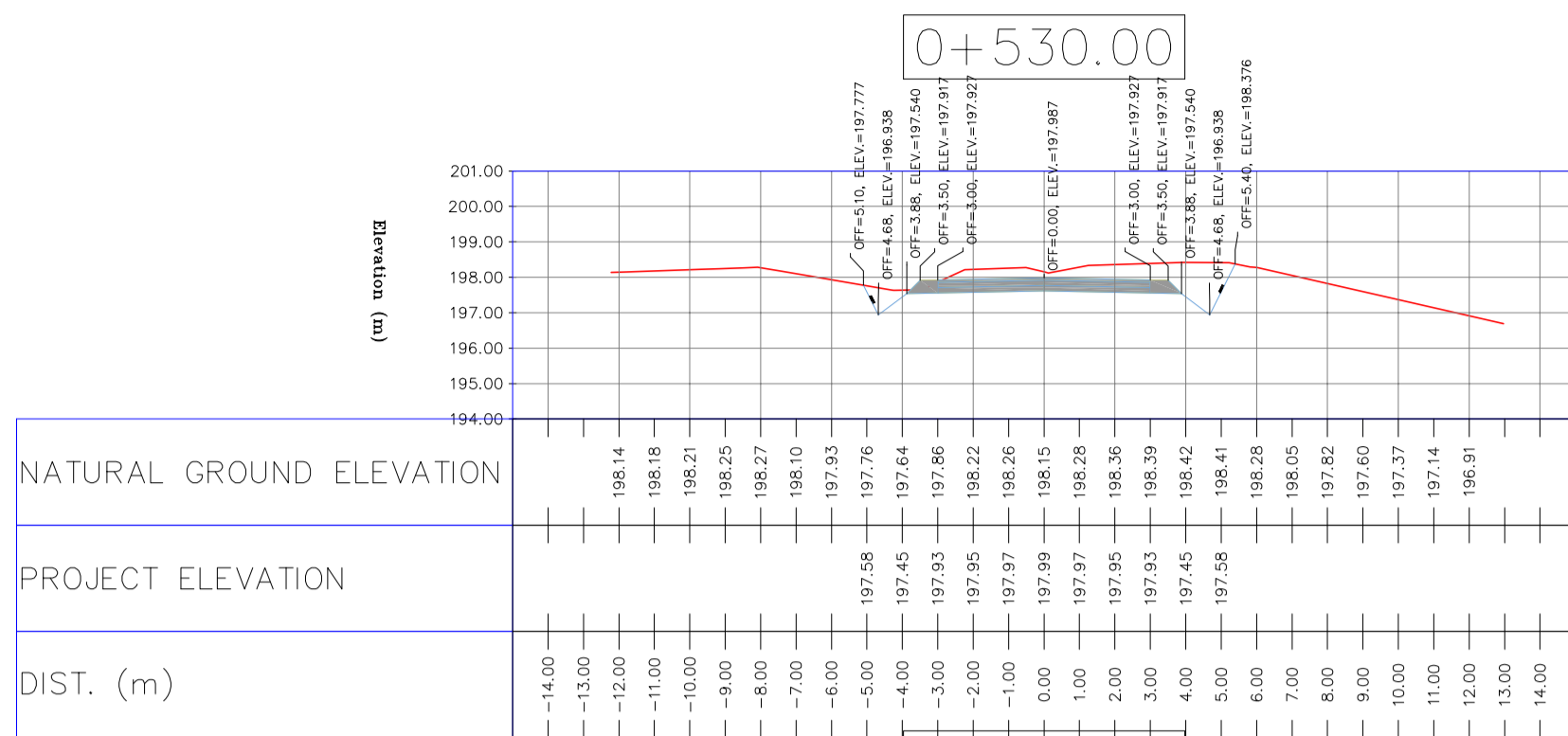
اول و کليه نسخ اين نقشه و حق اقتباس متعلق به شرکت ملل مناطق نفت خيز جنوب مي باشد. THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

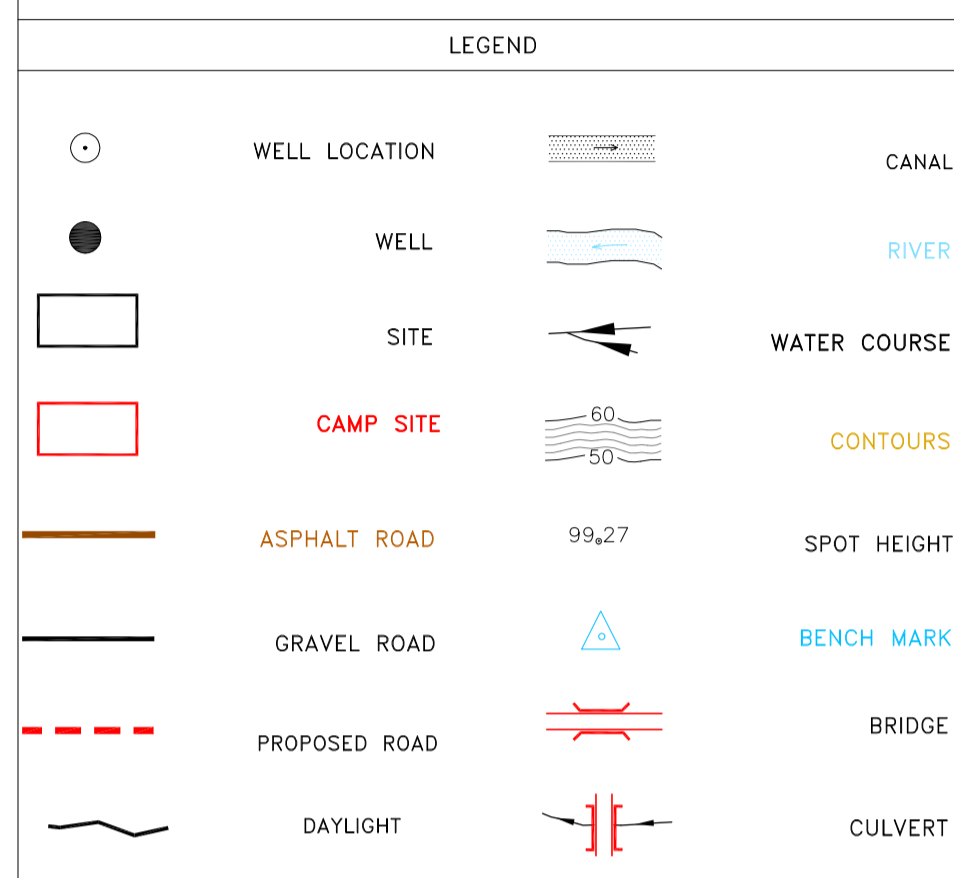
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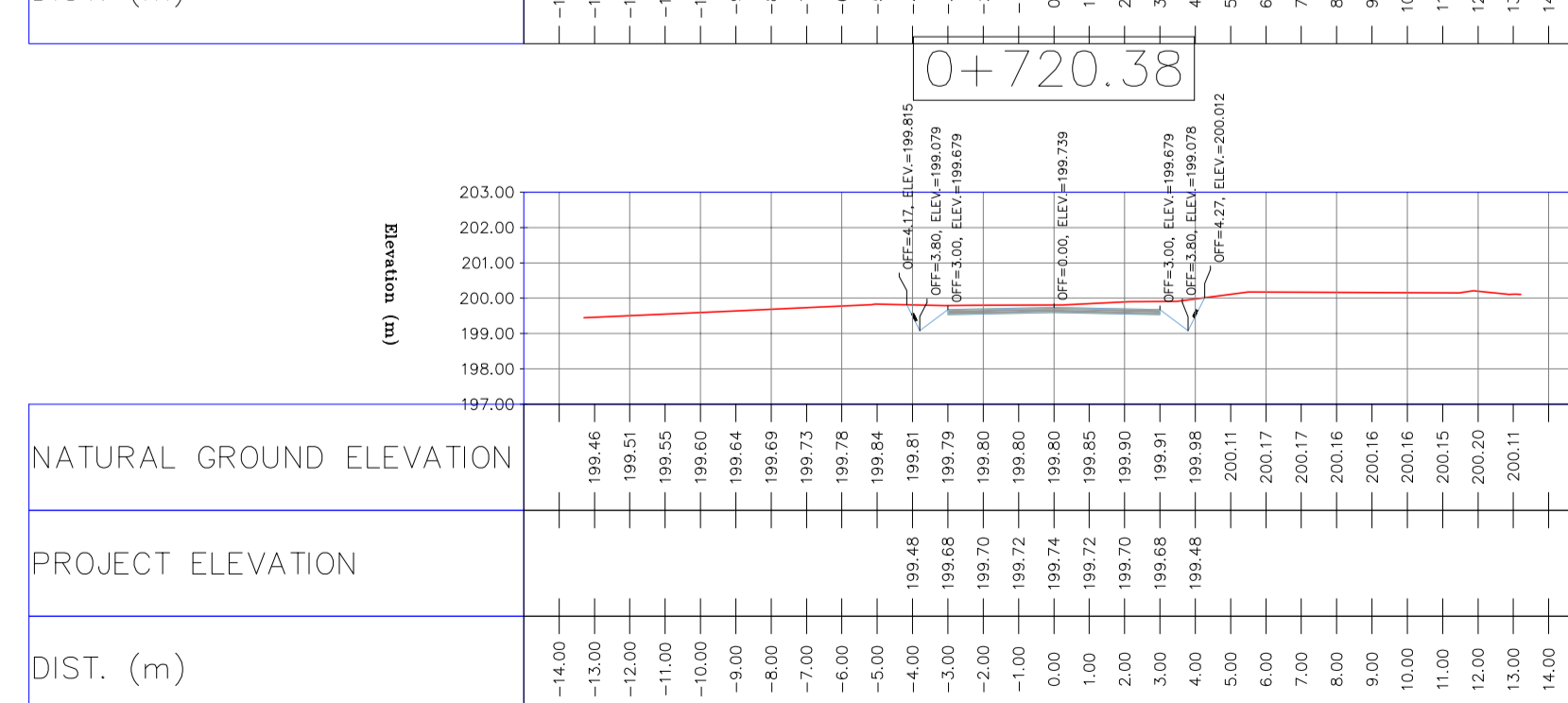
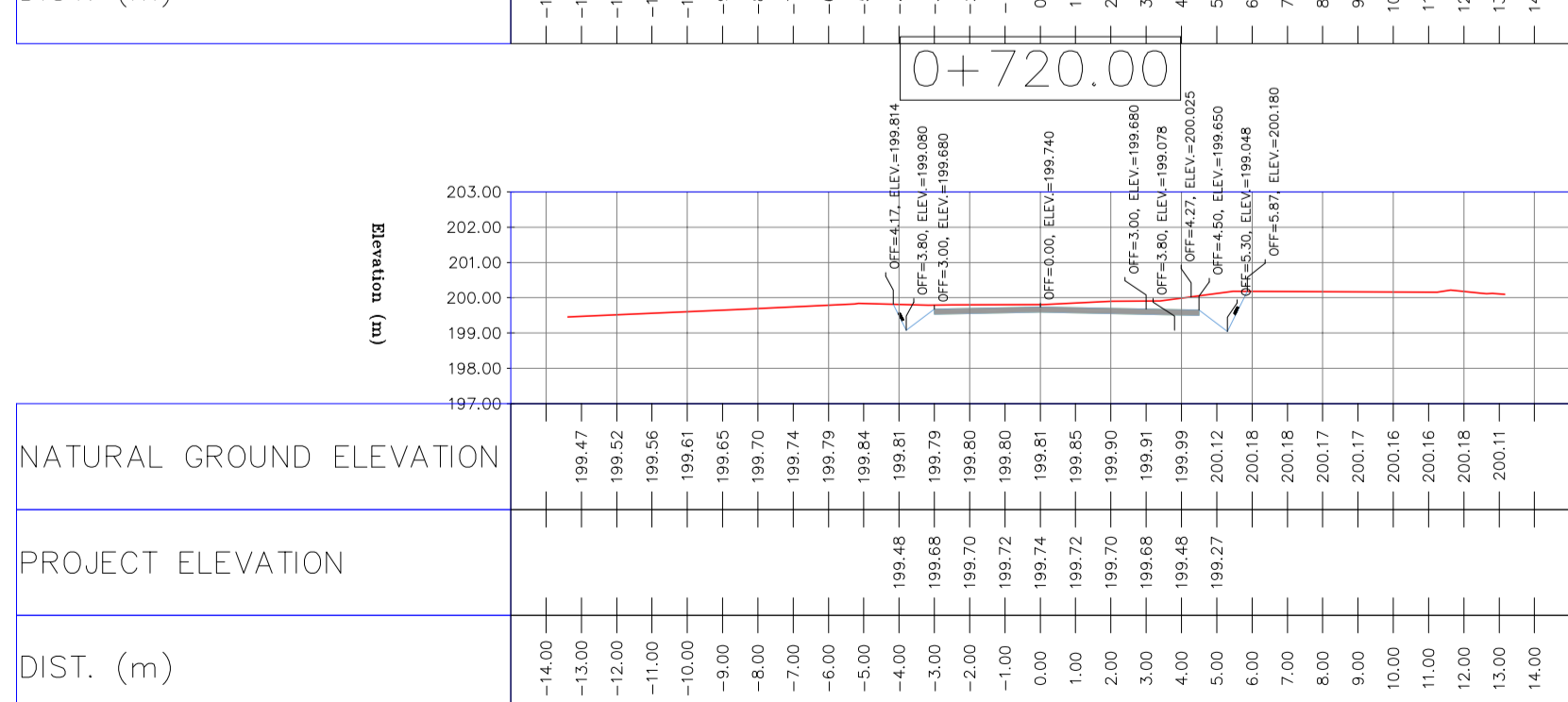
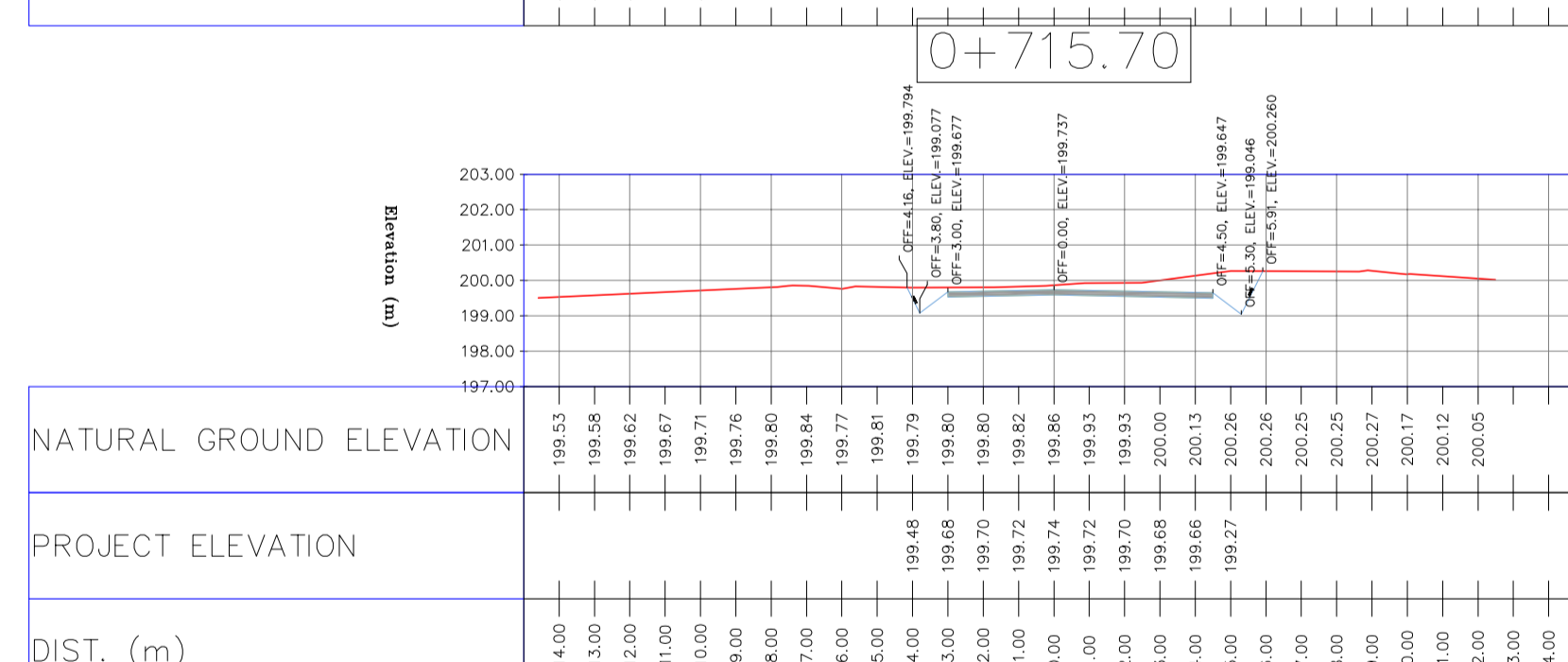
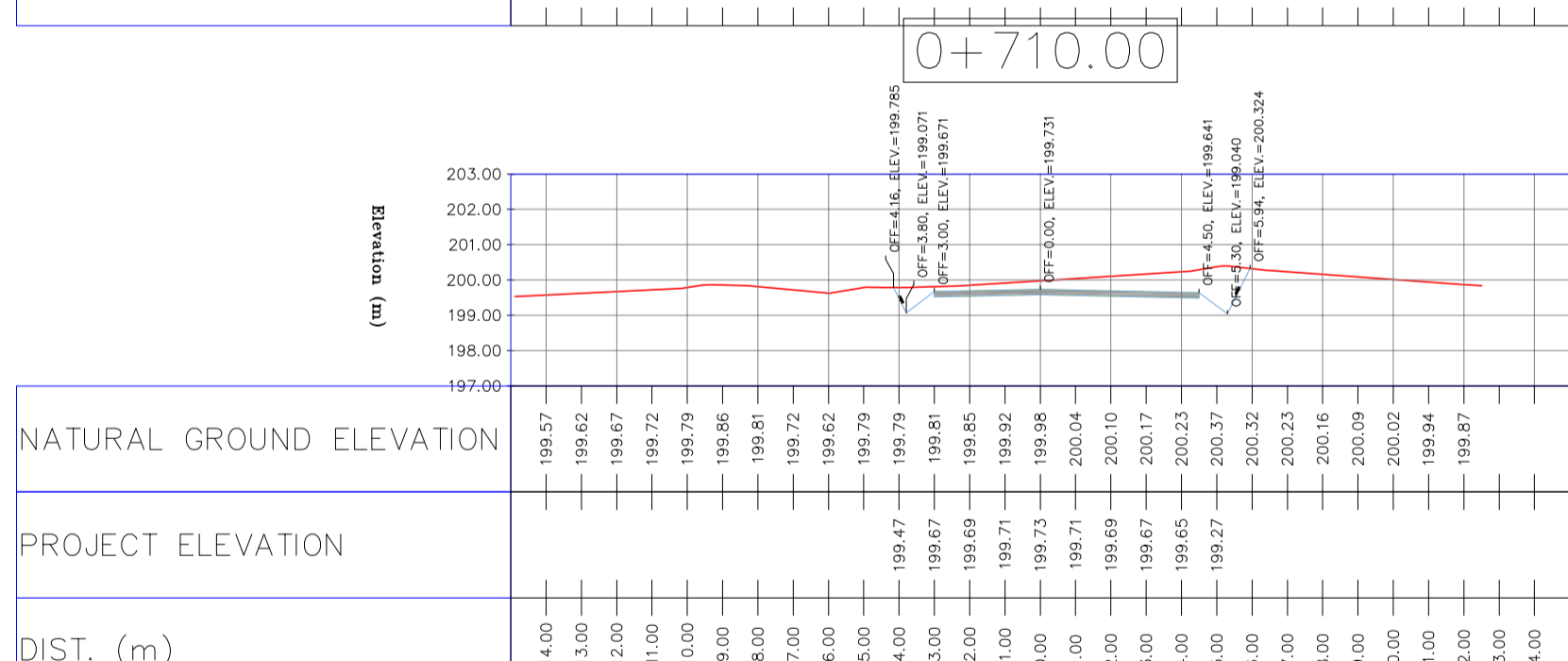
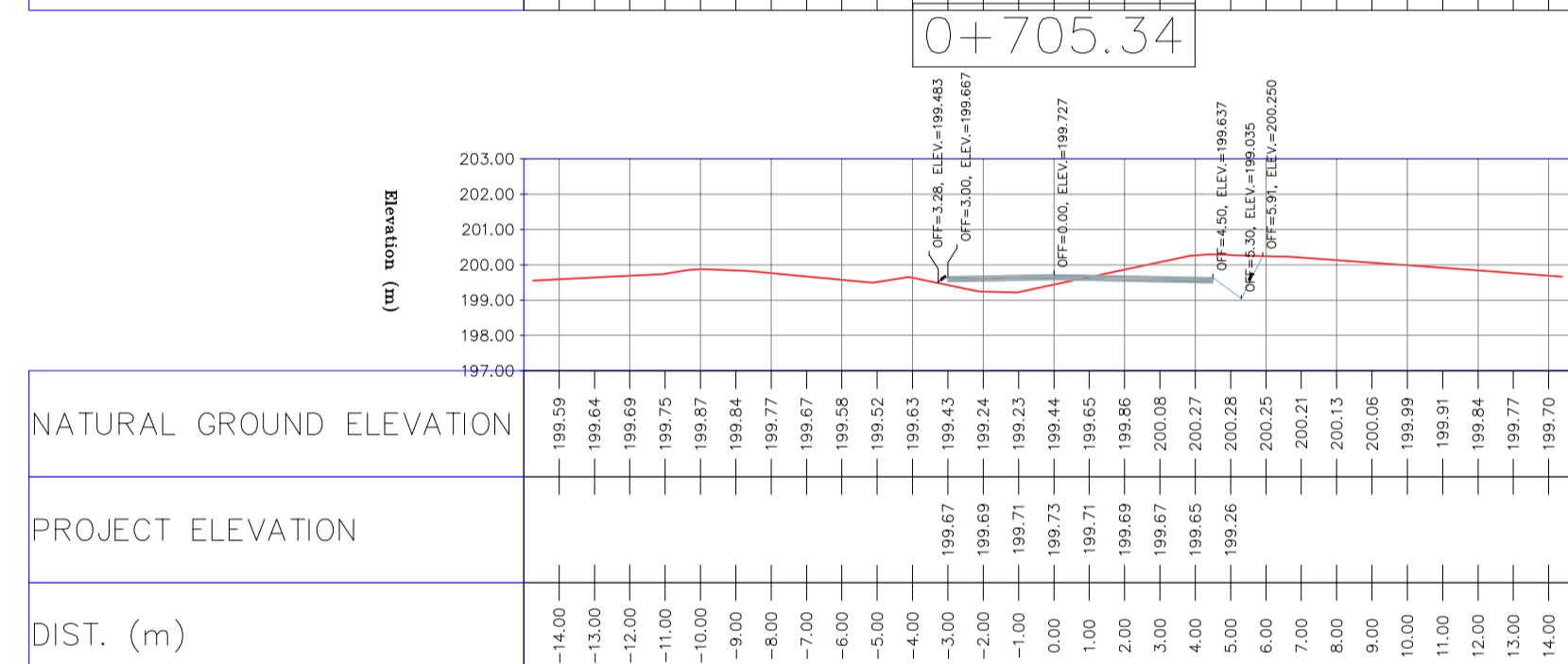
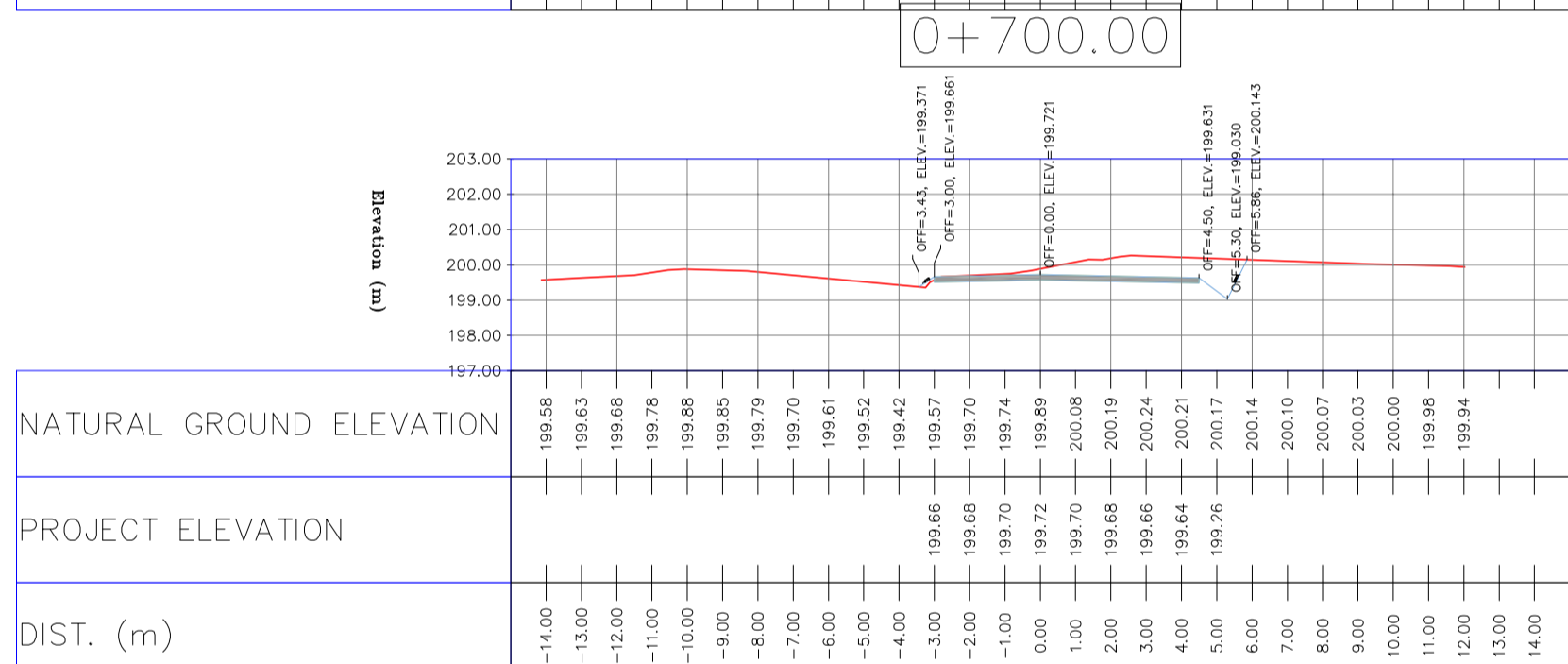
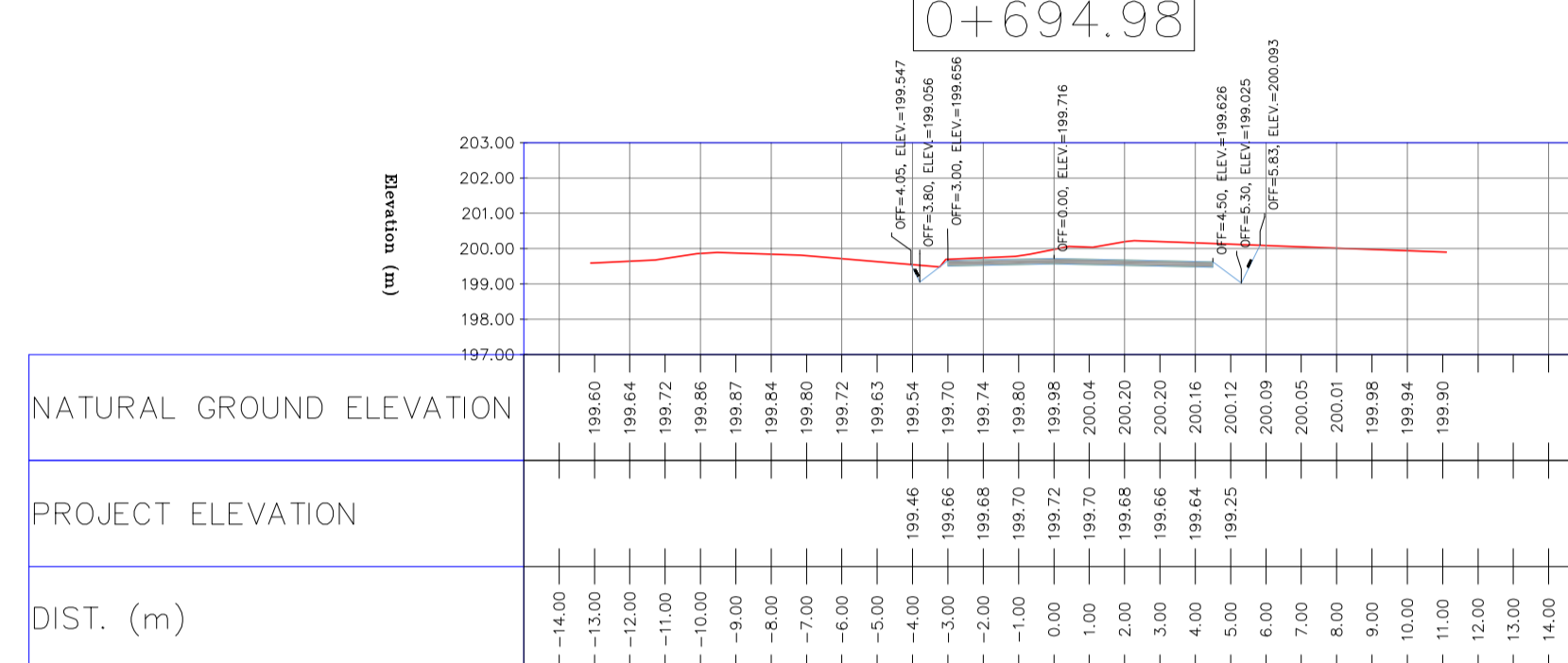
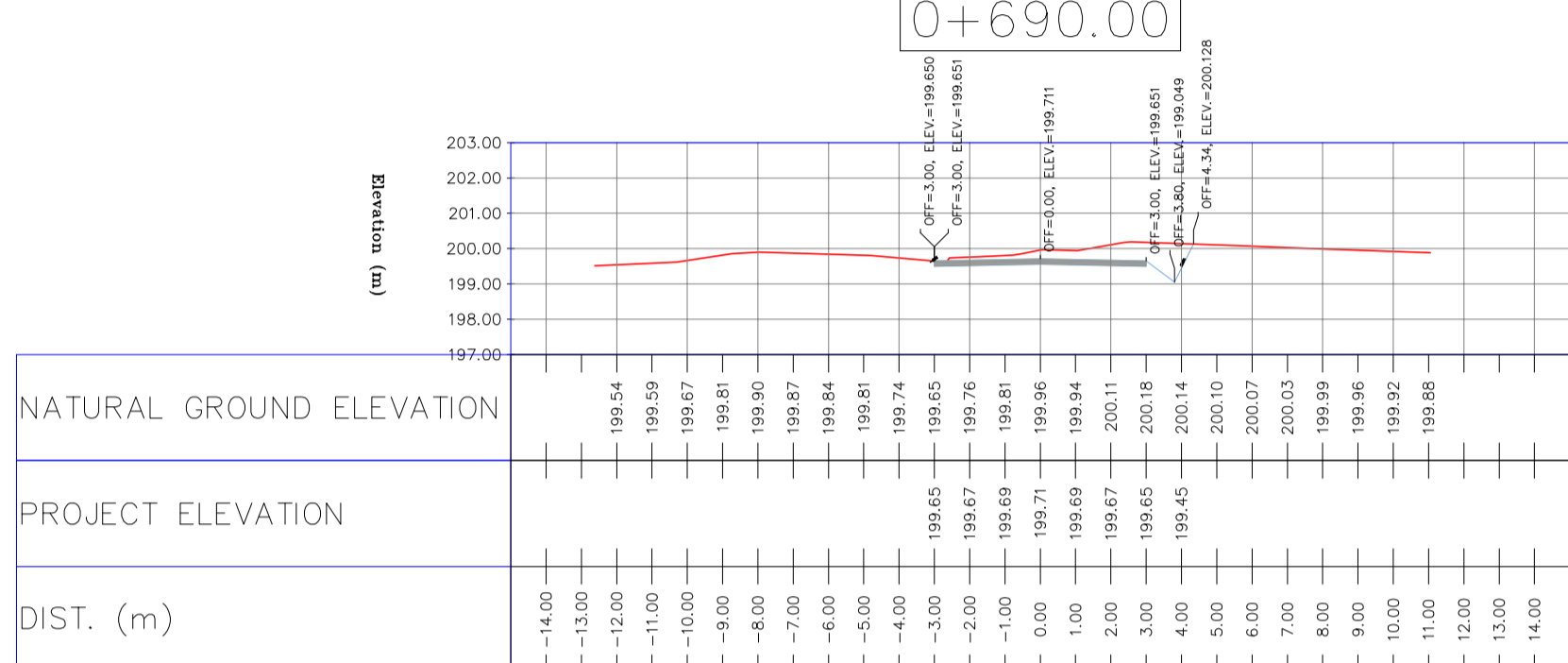
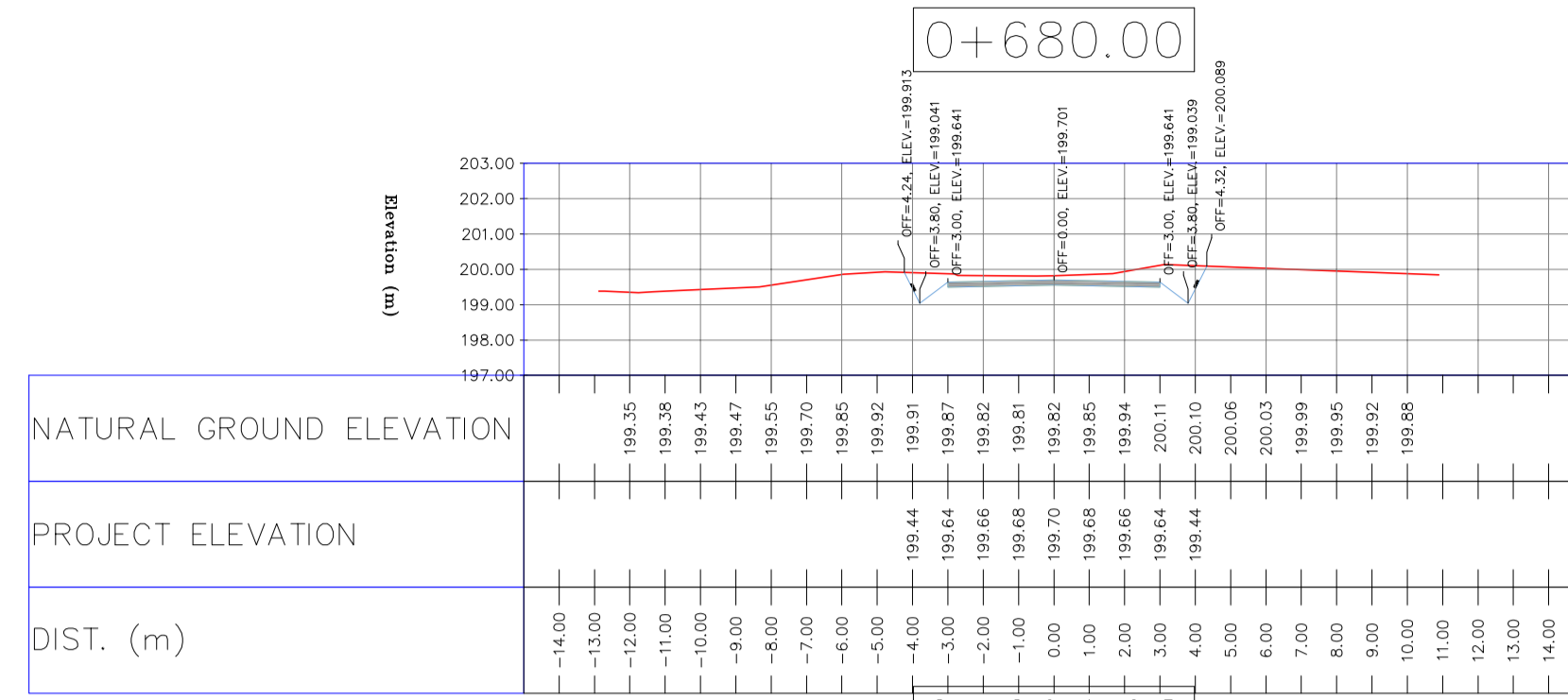
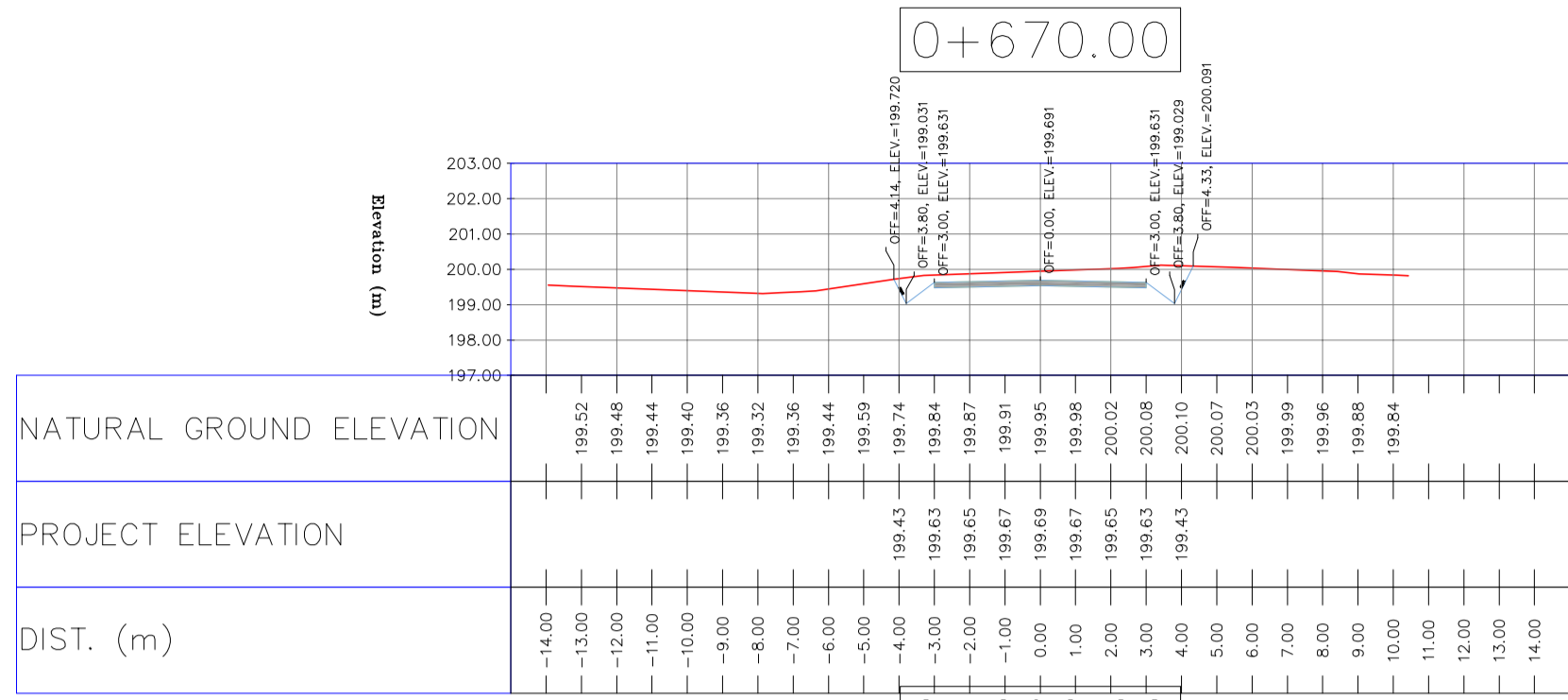
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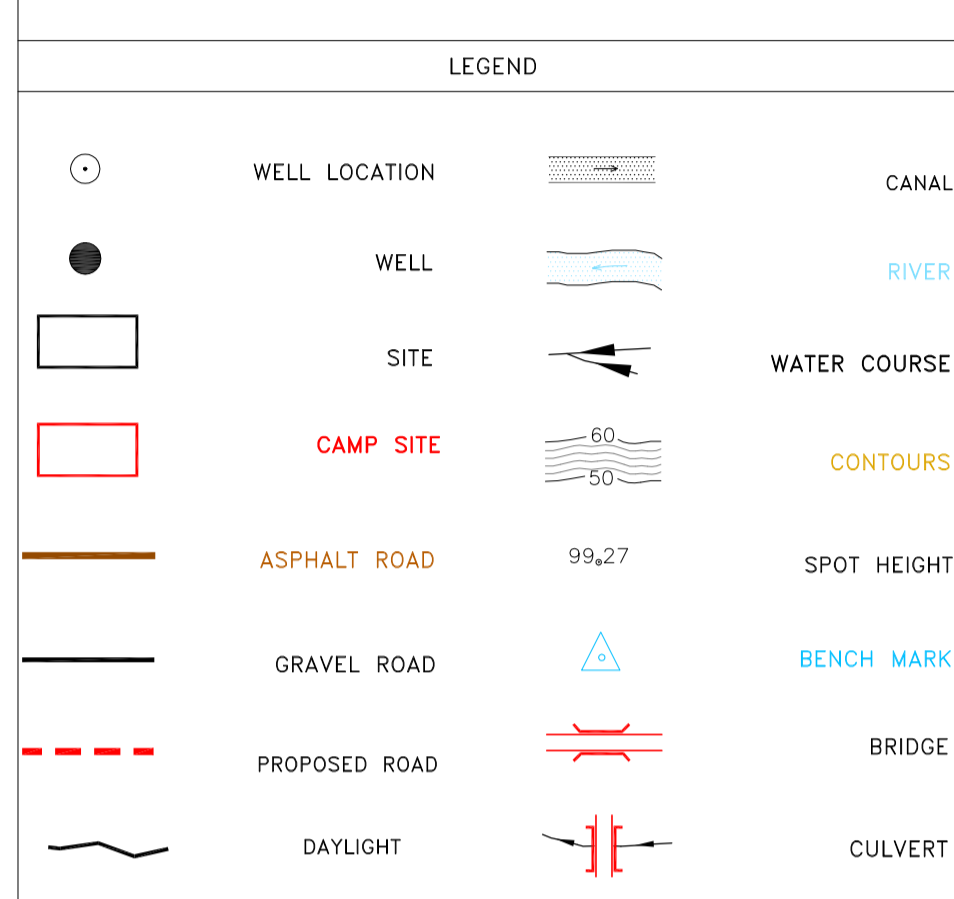
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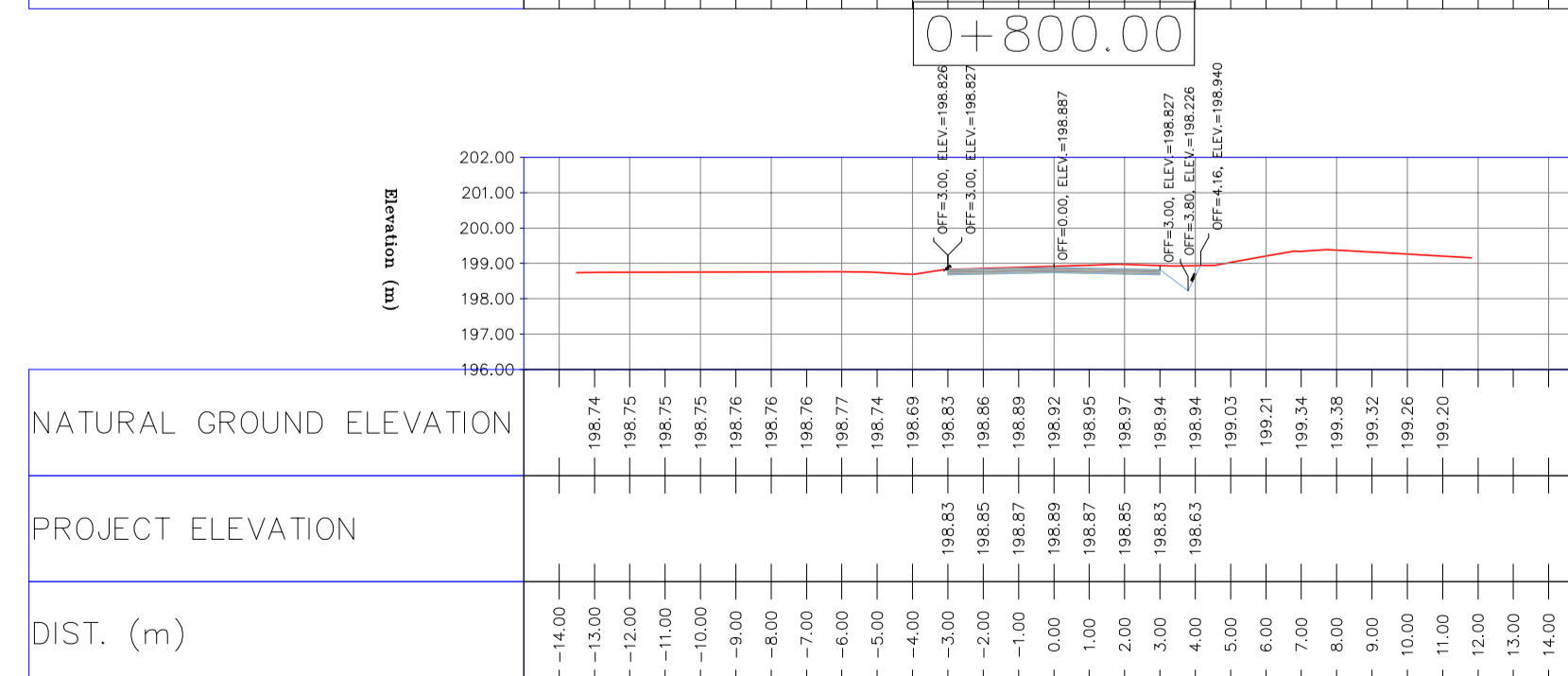
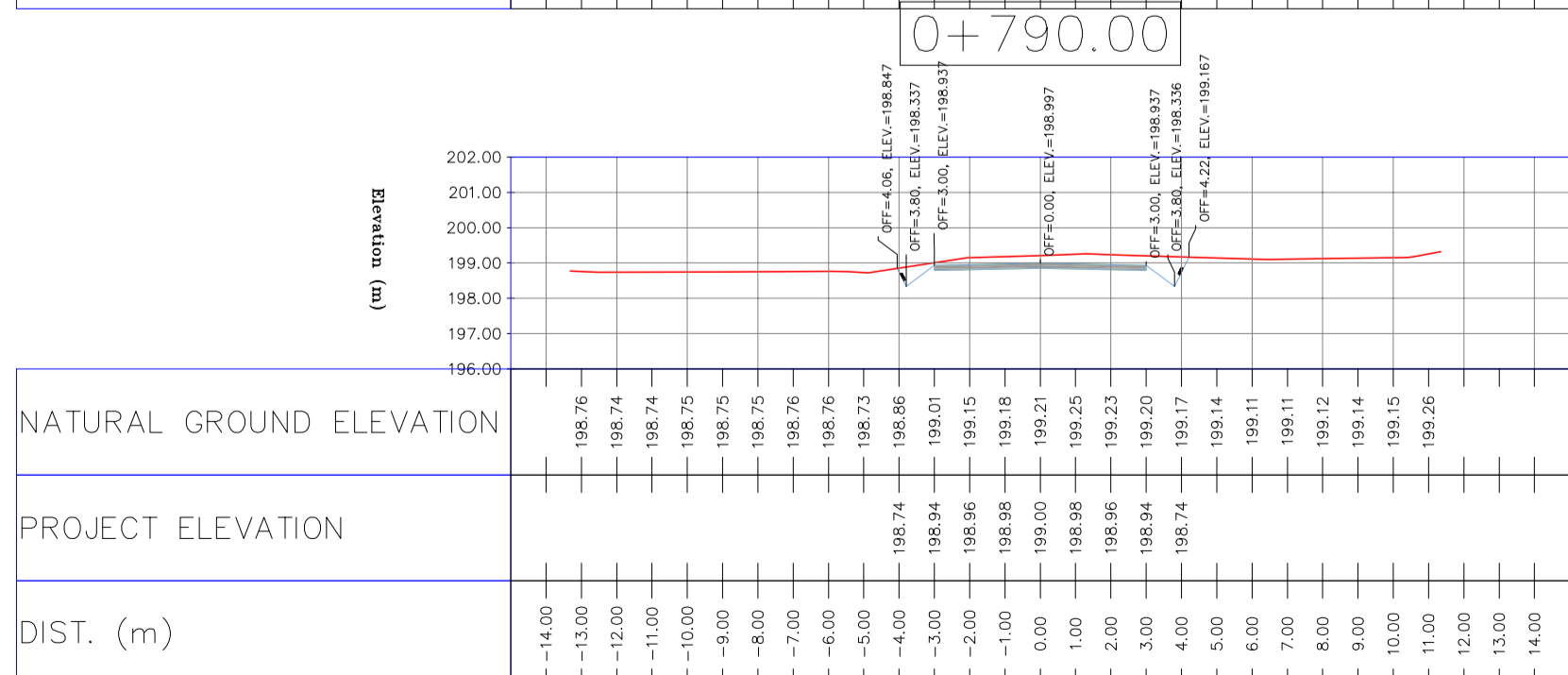
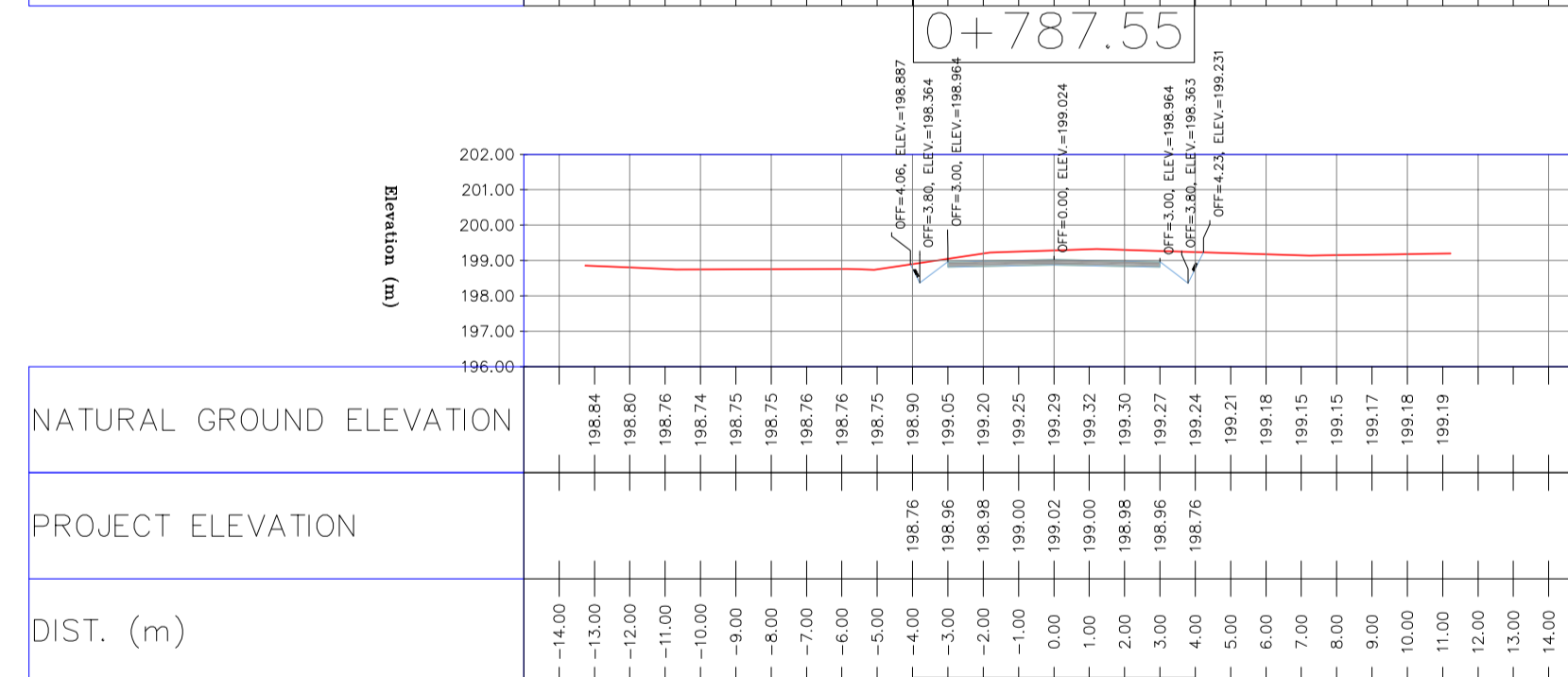
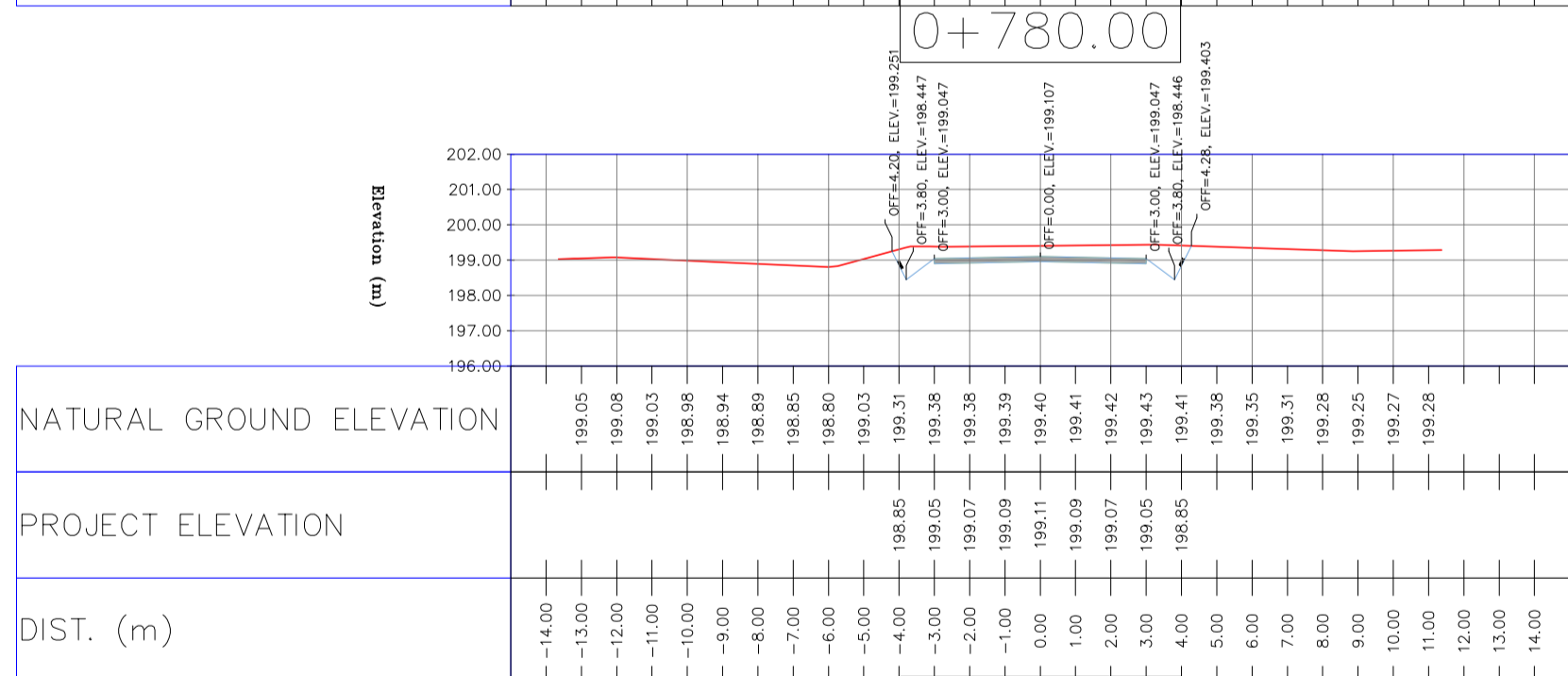
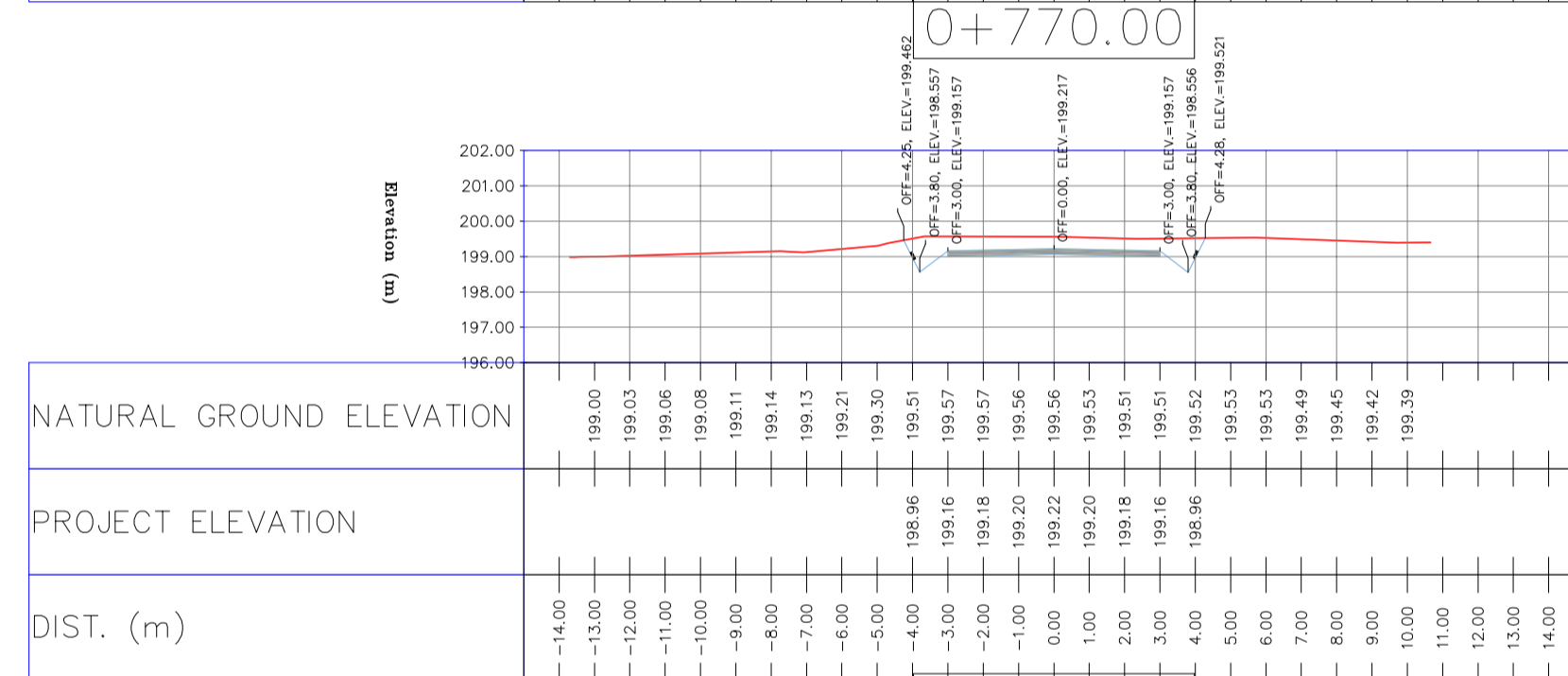
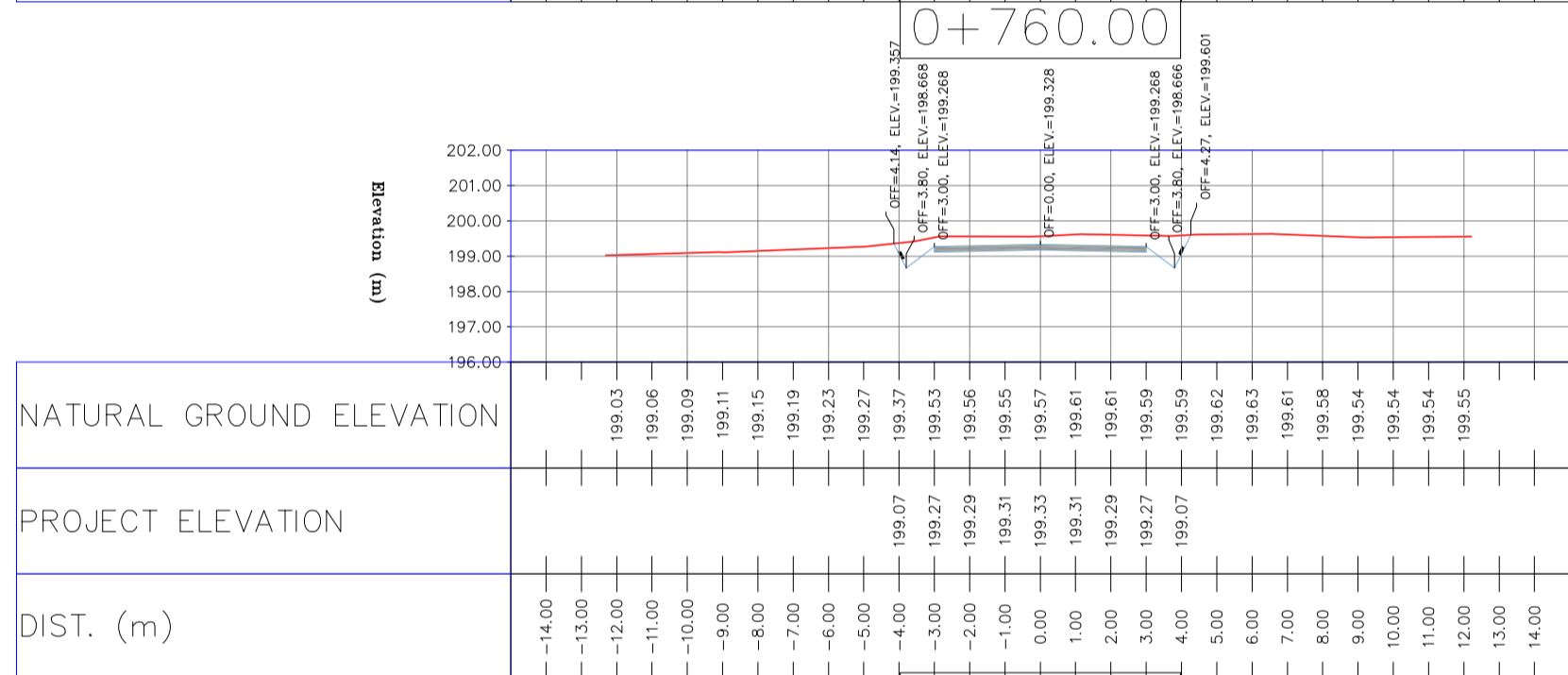
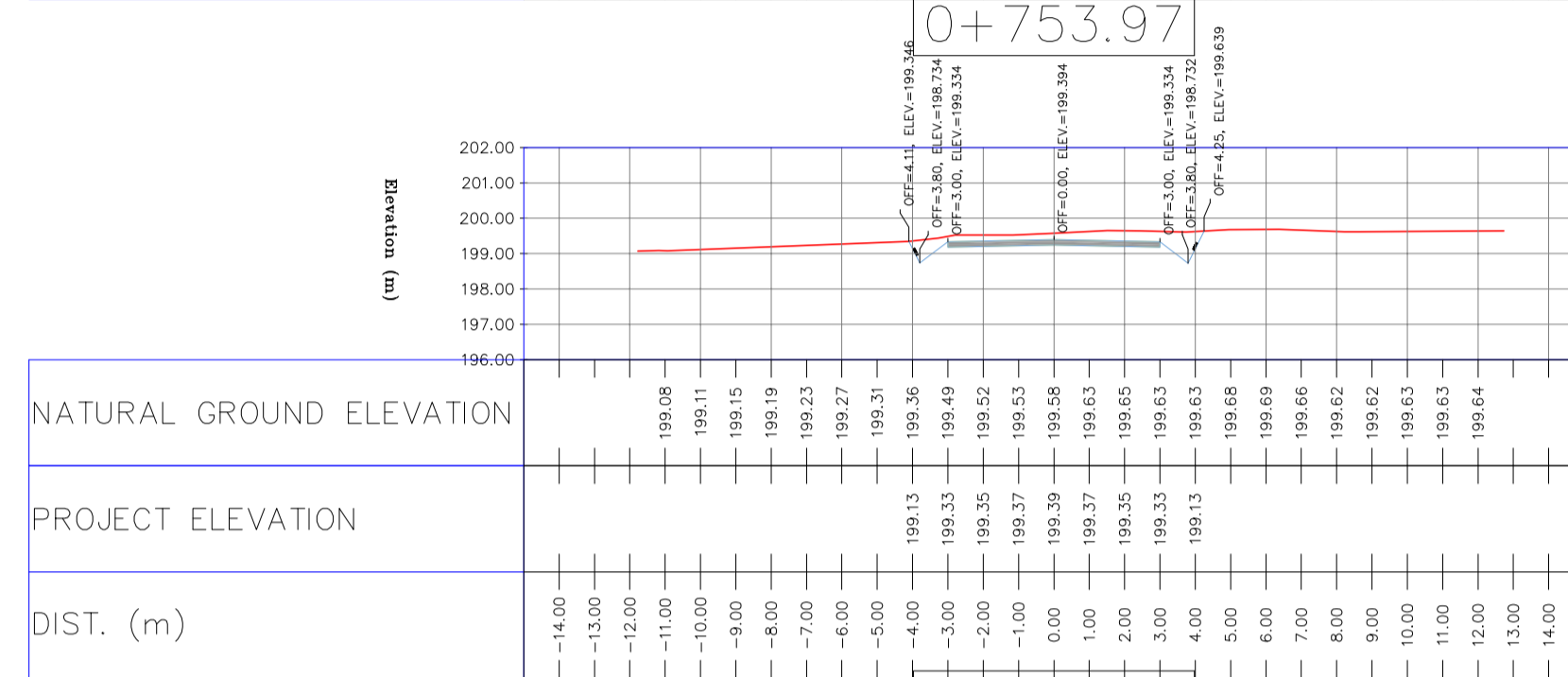
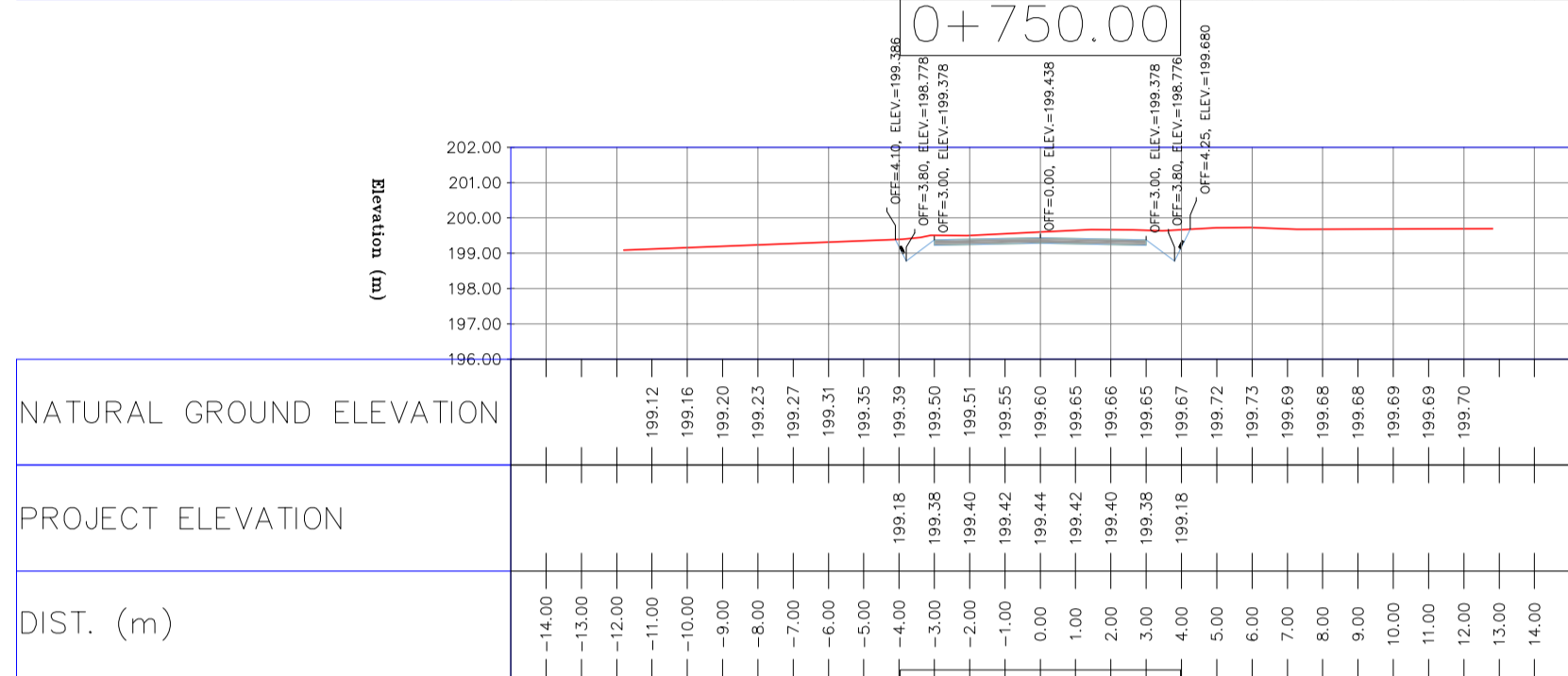
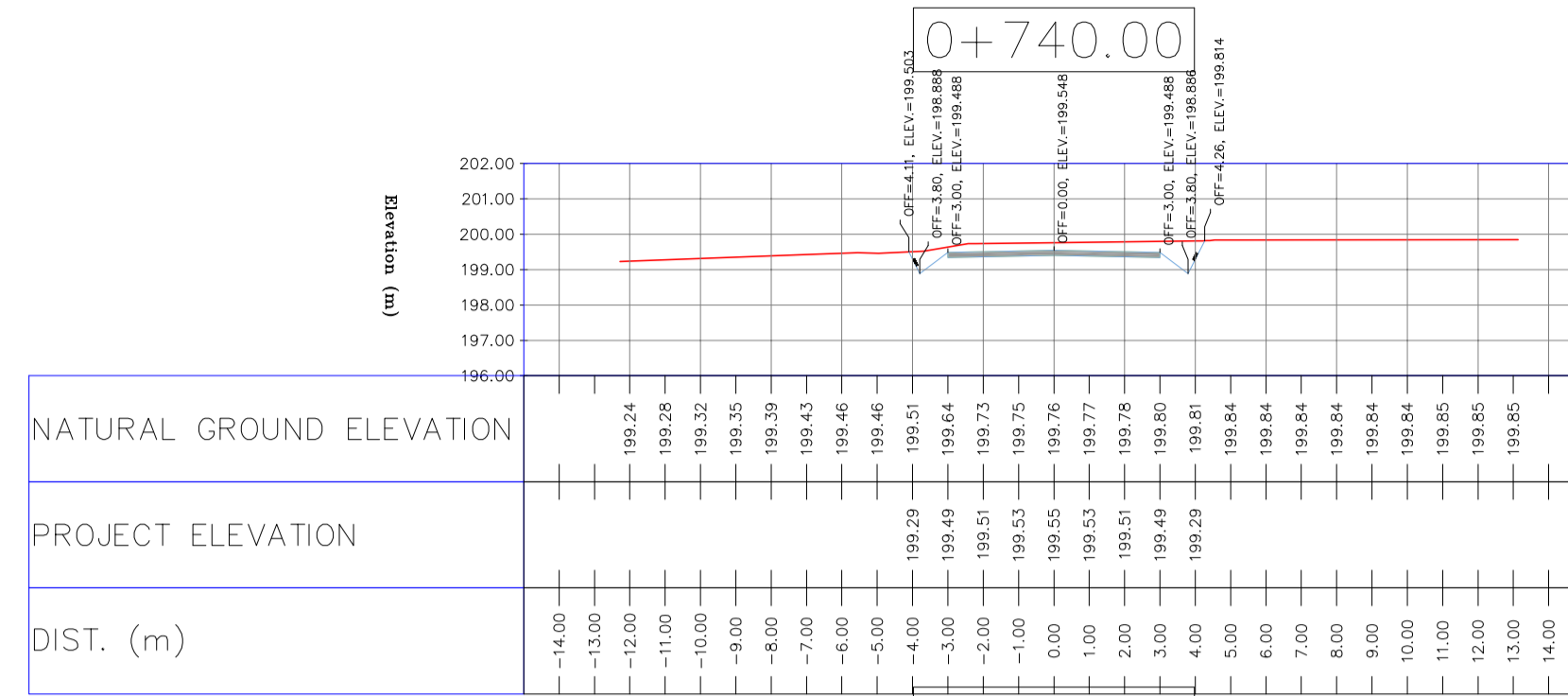
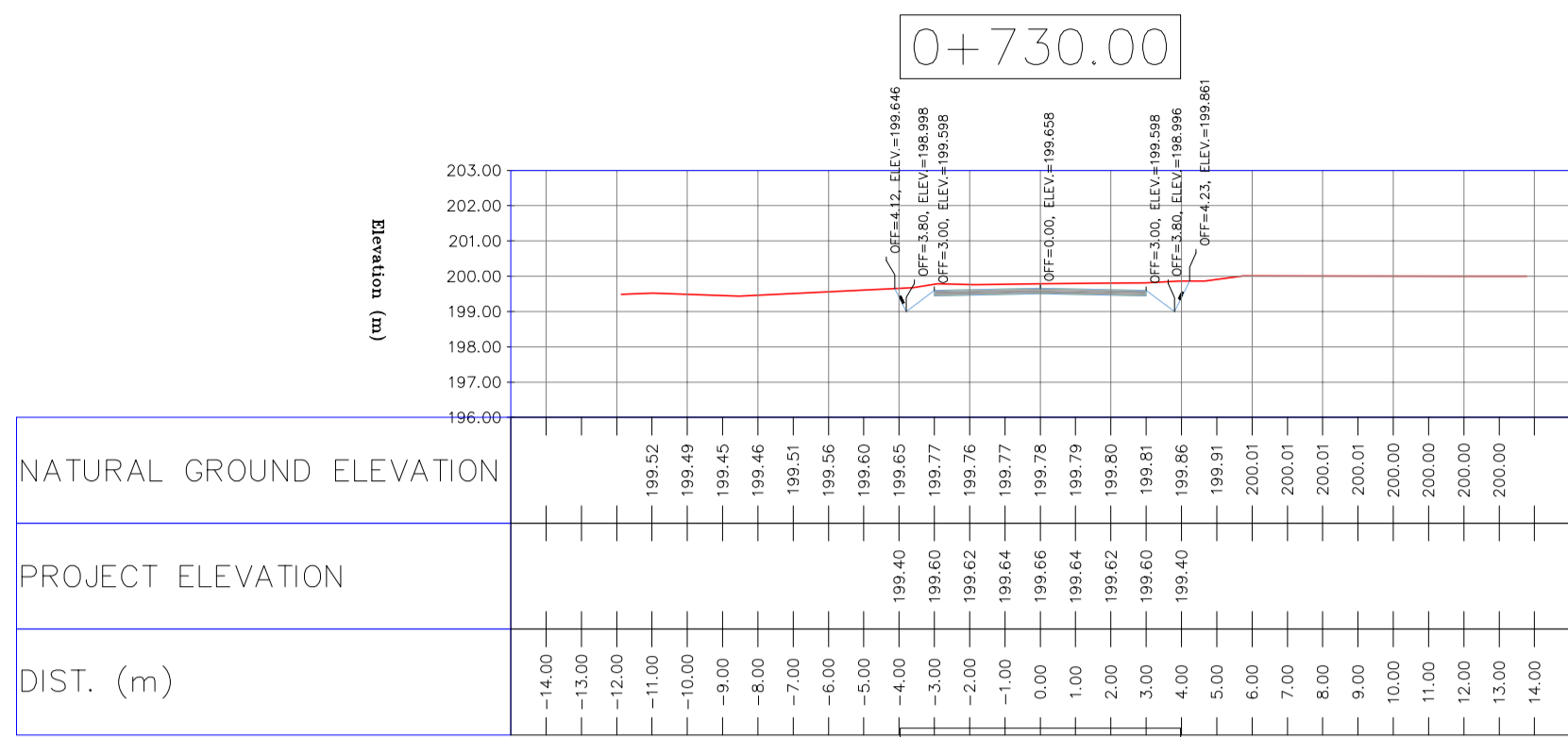


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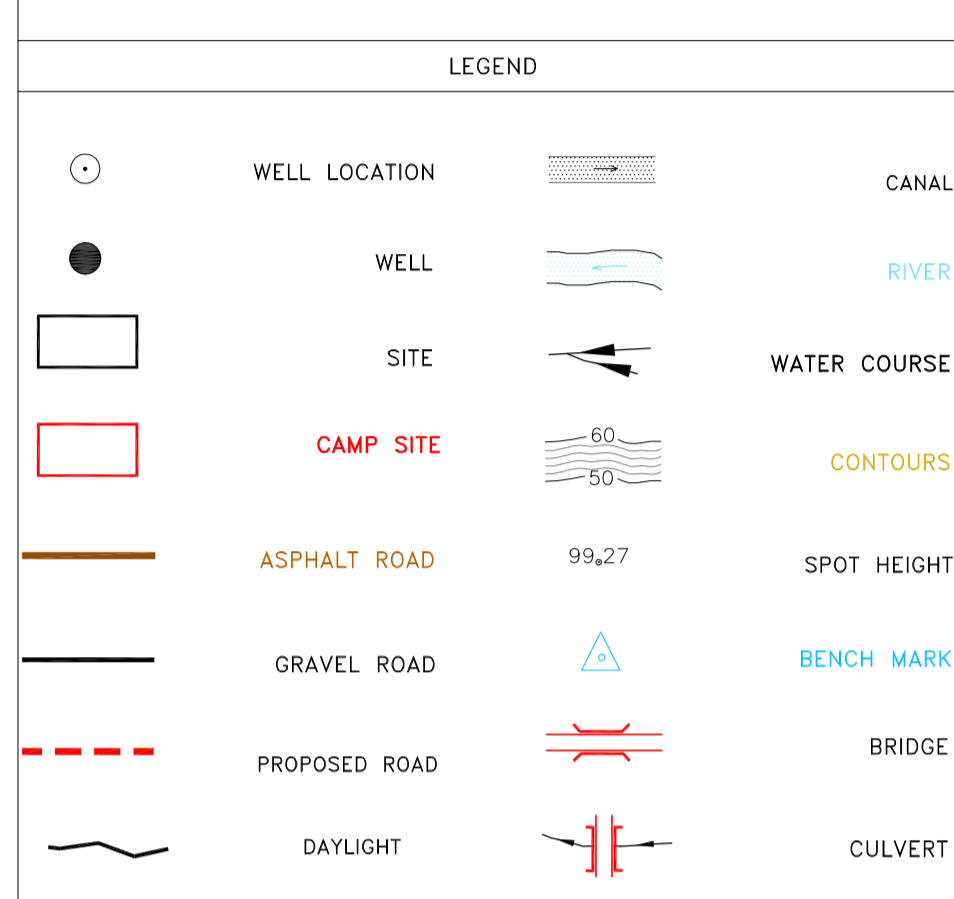


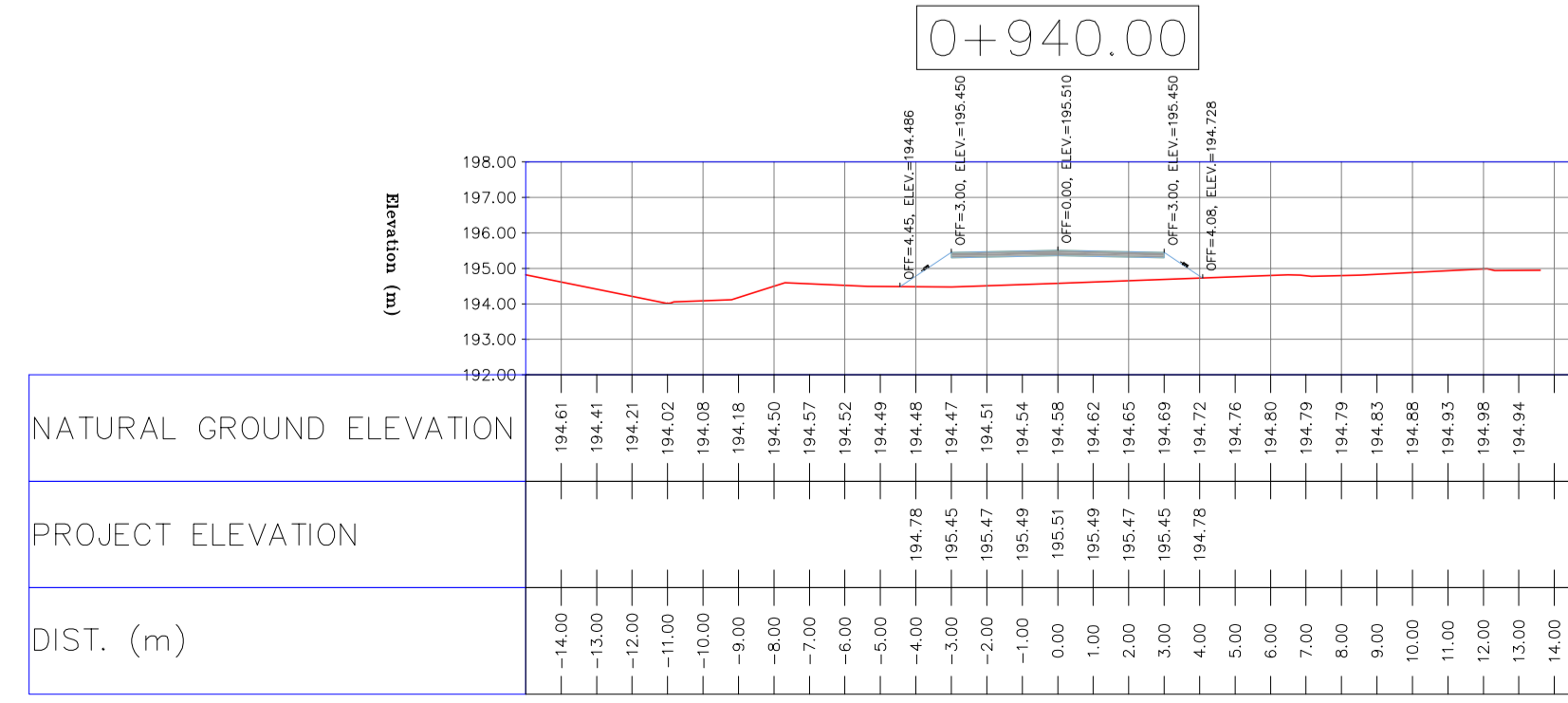
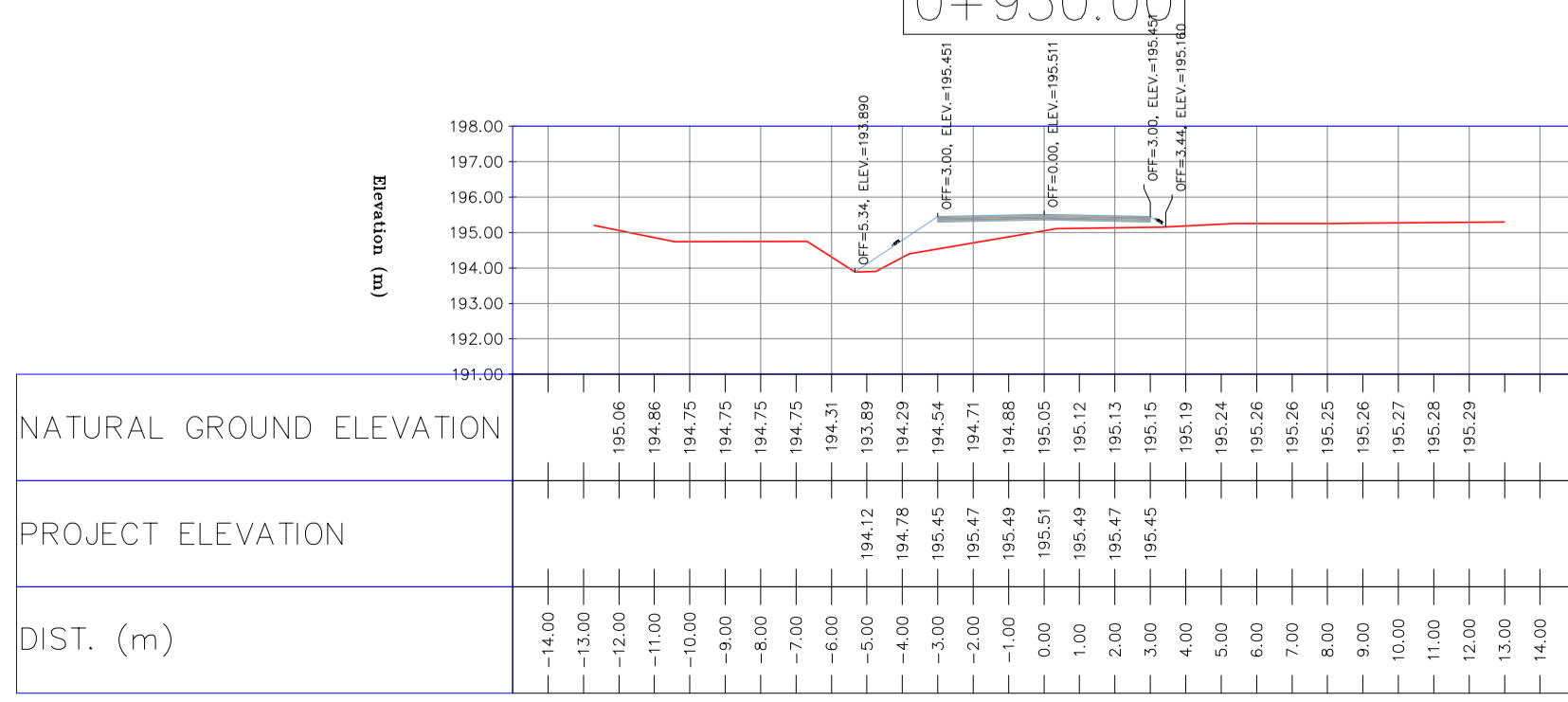
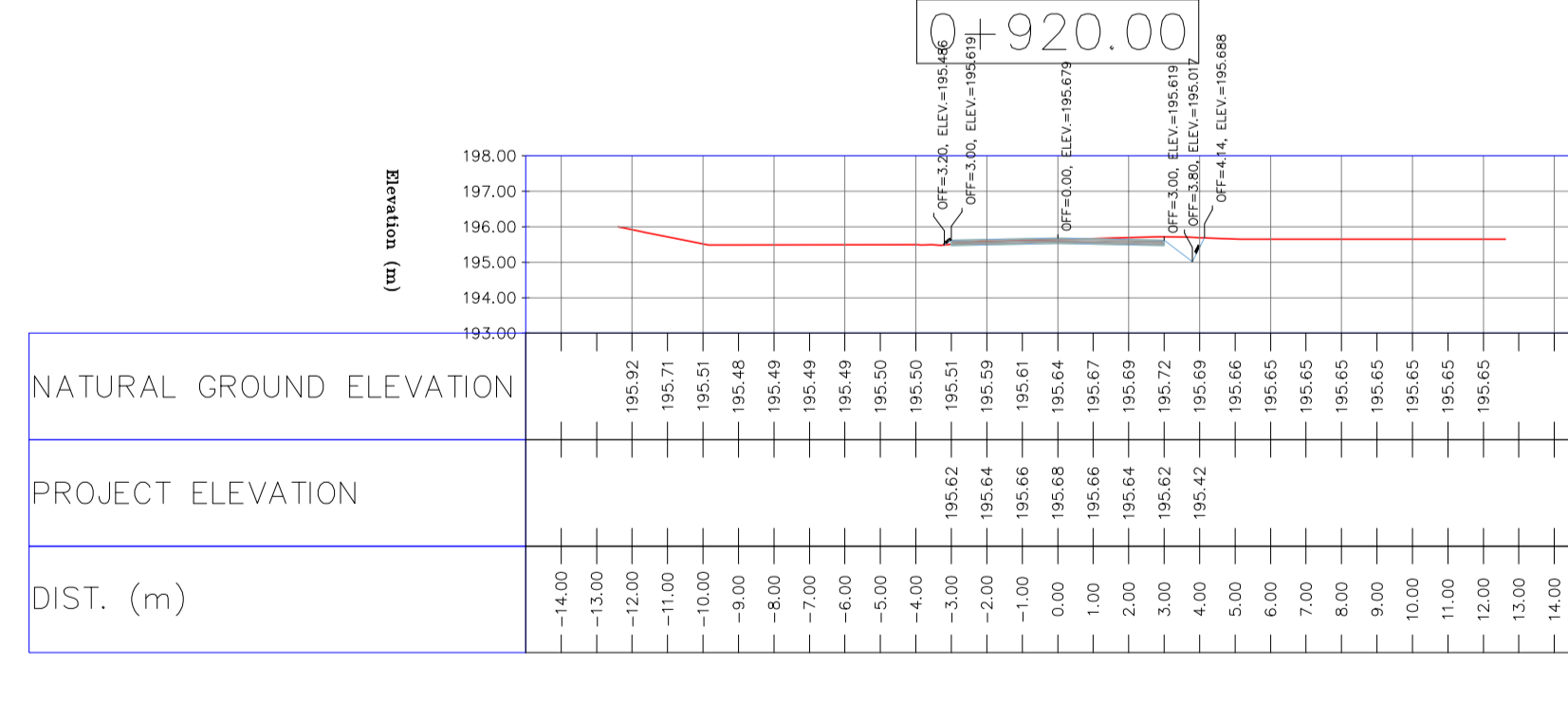
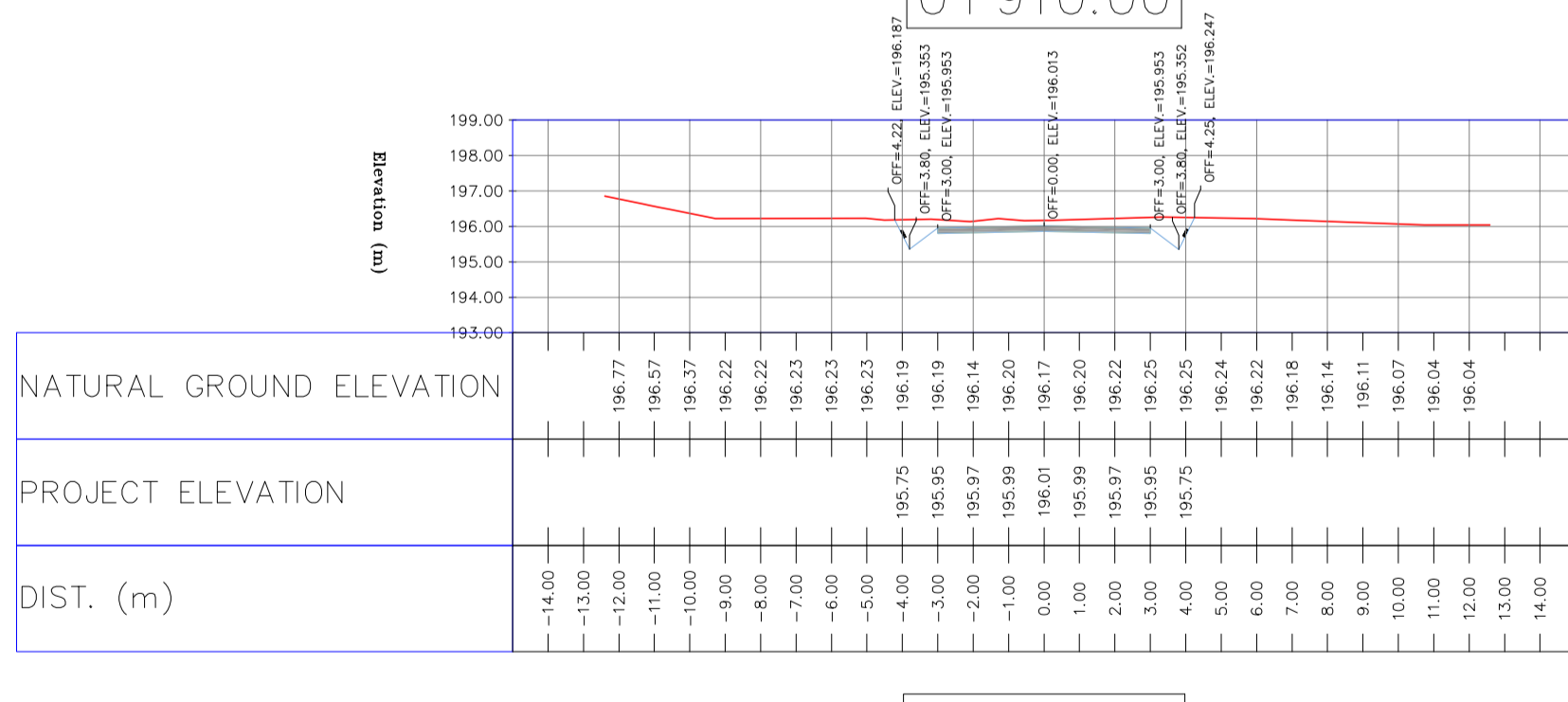
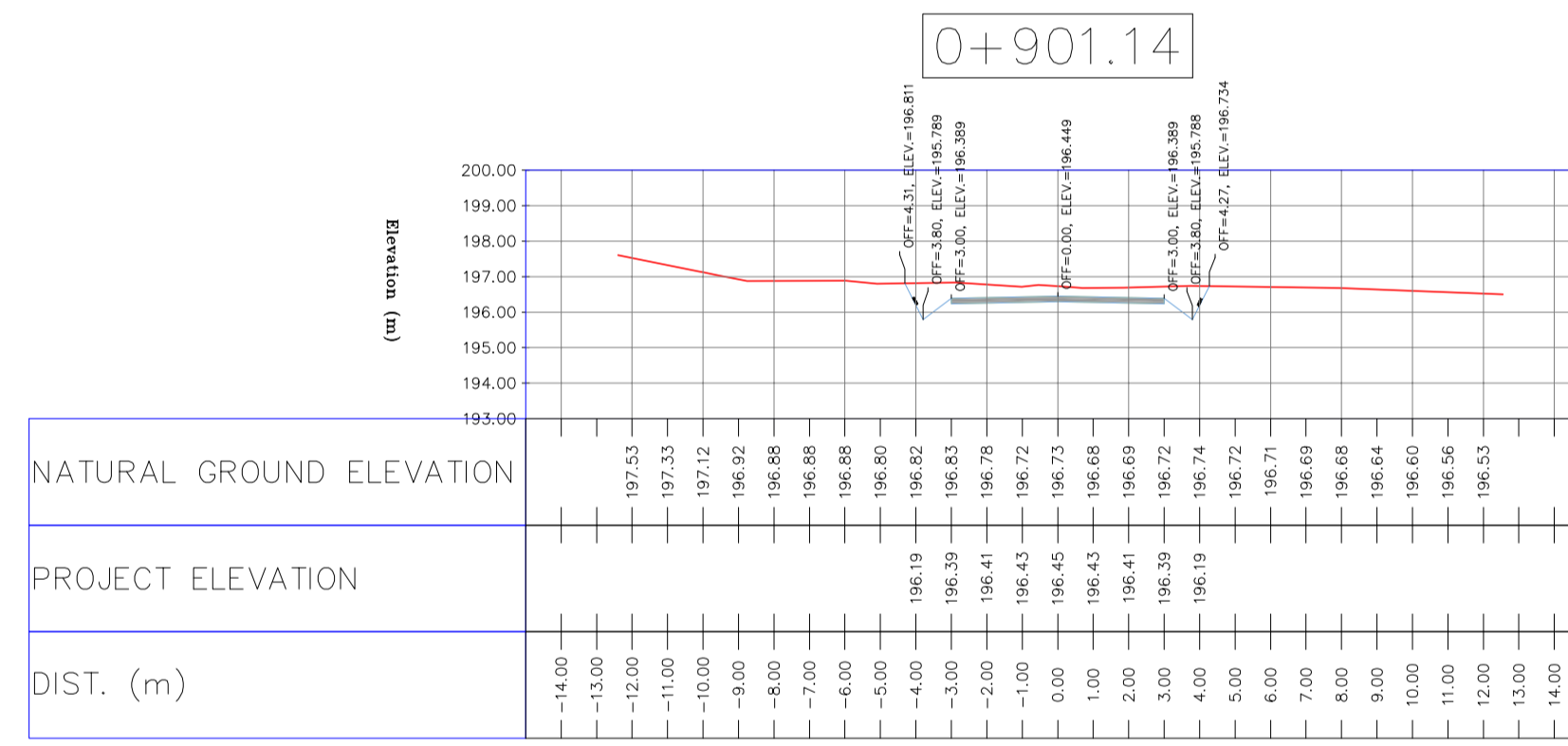
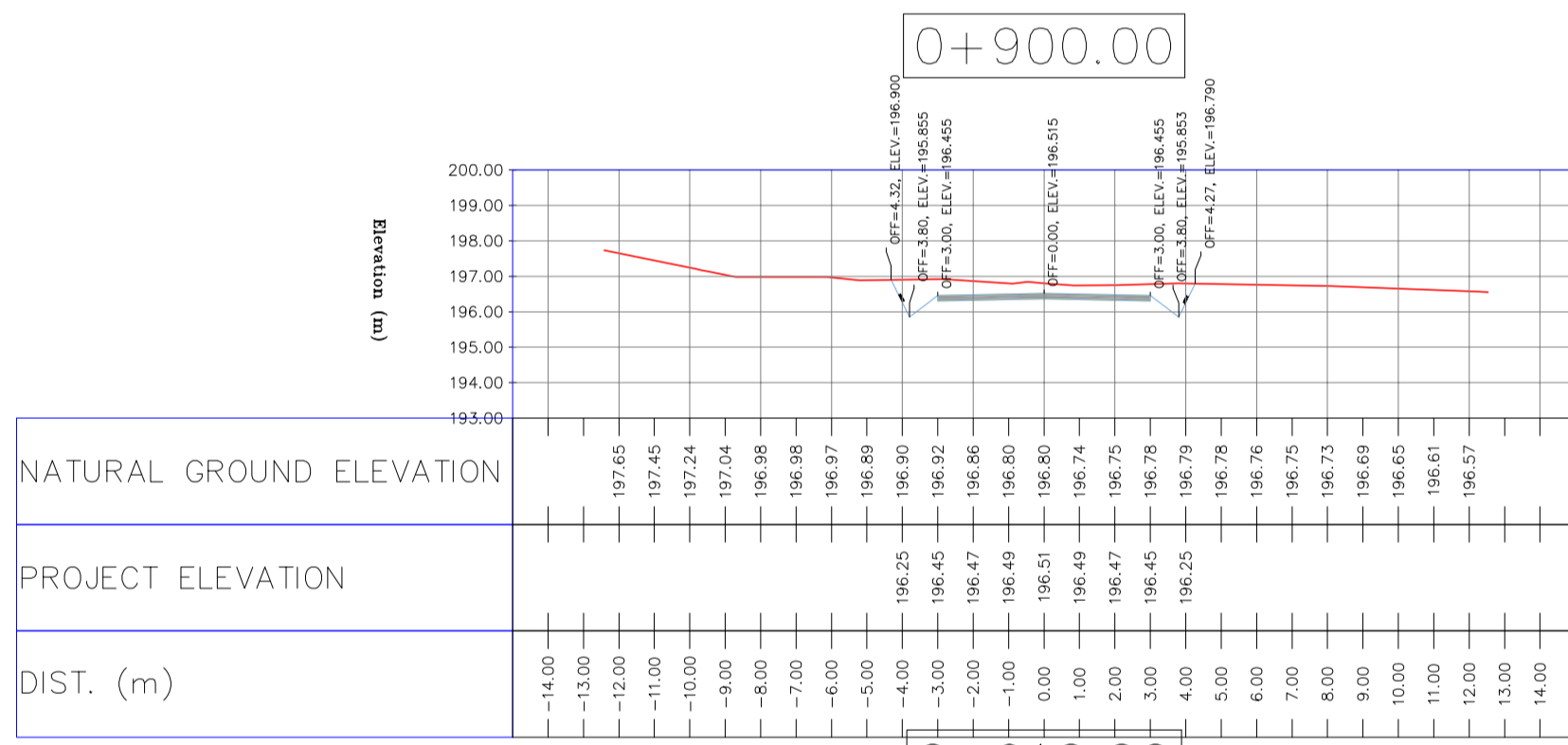
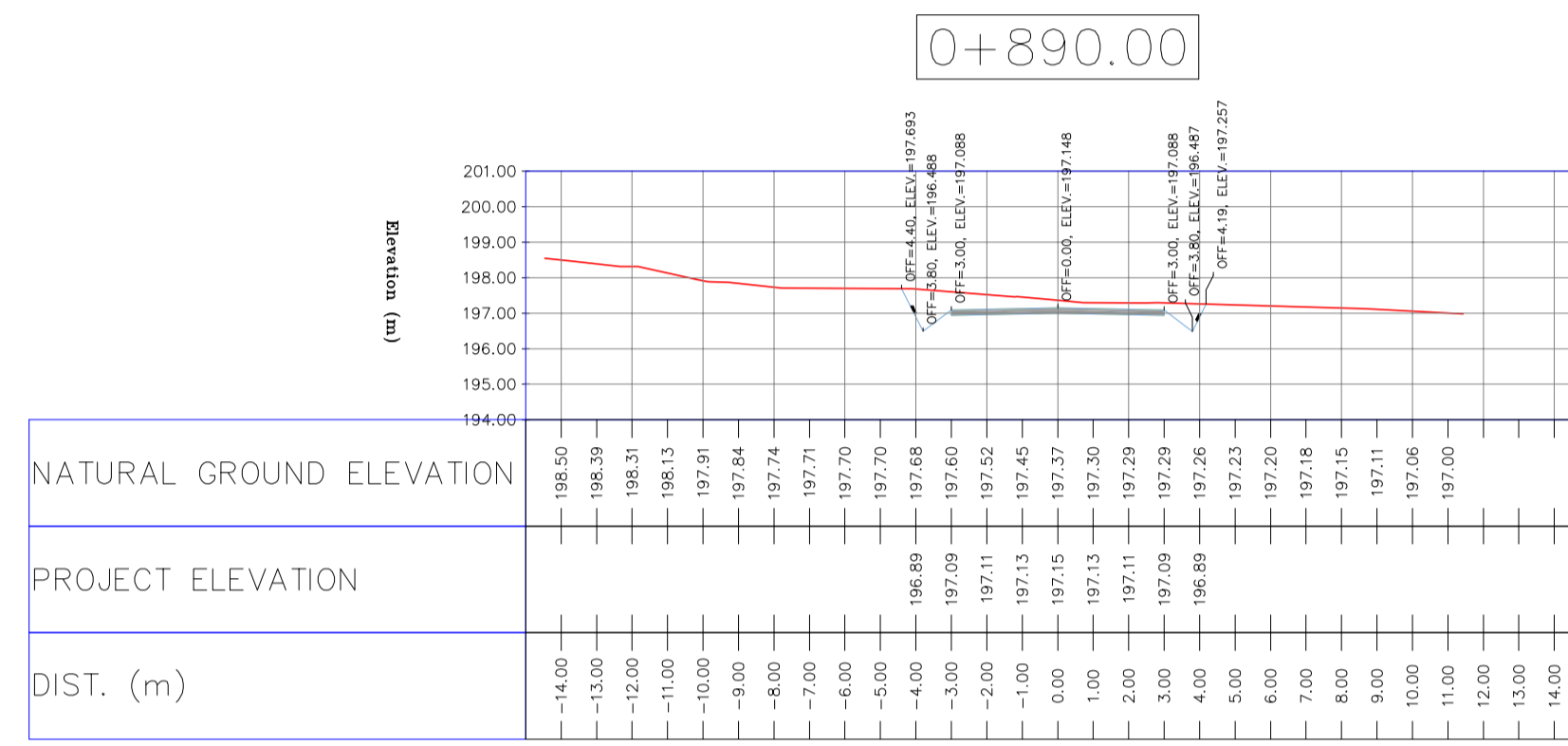
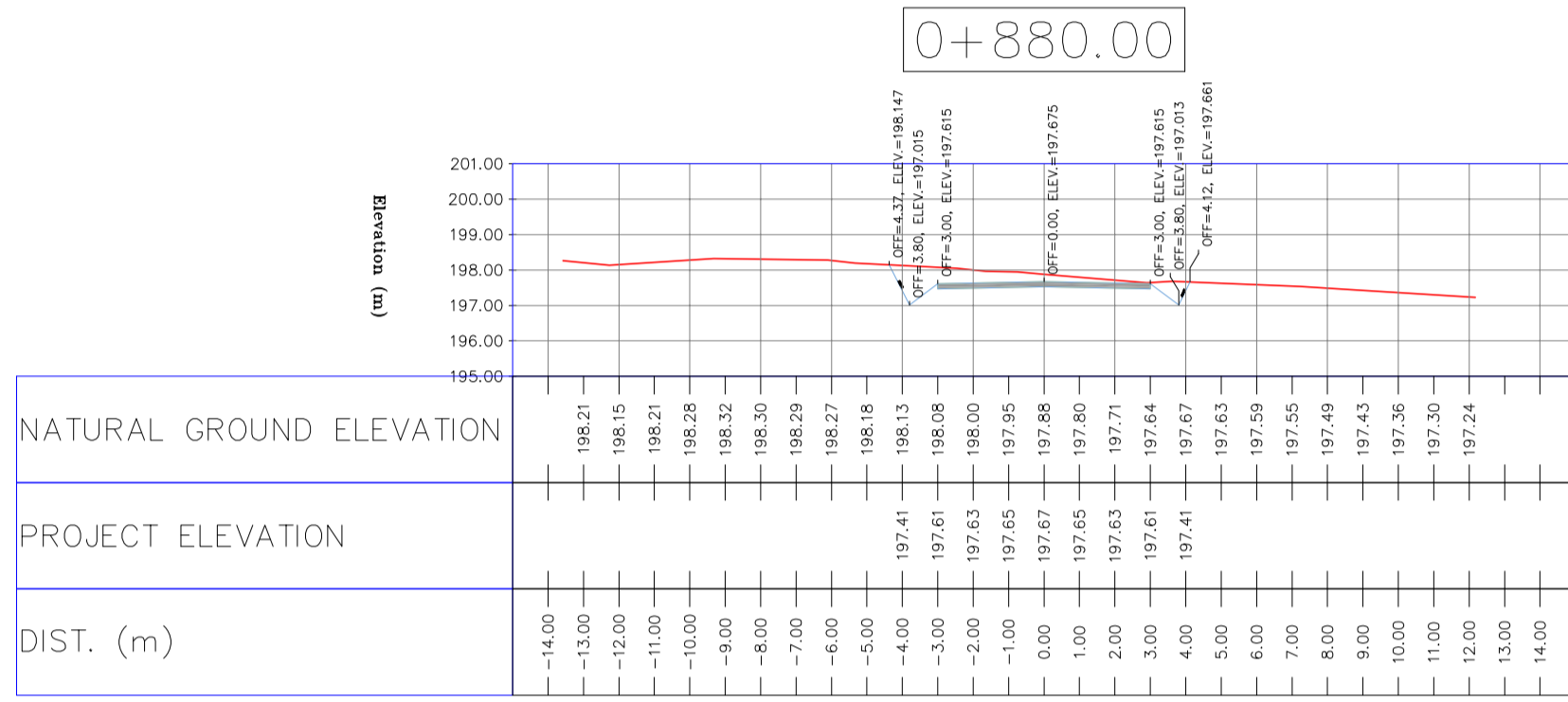
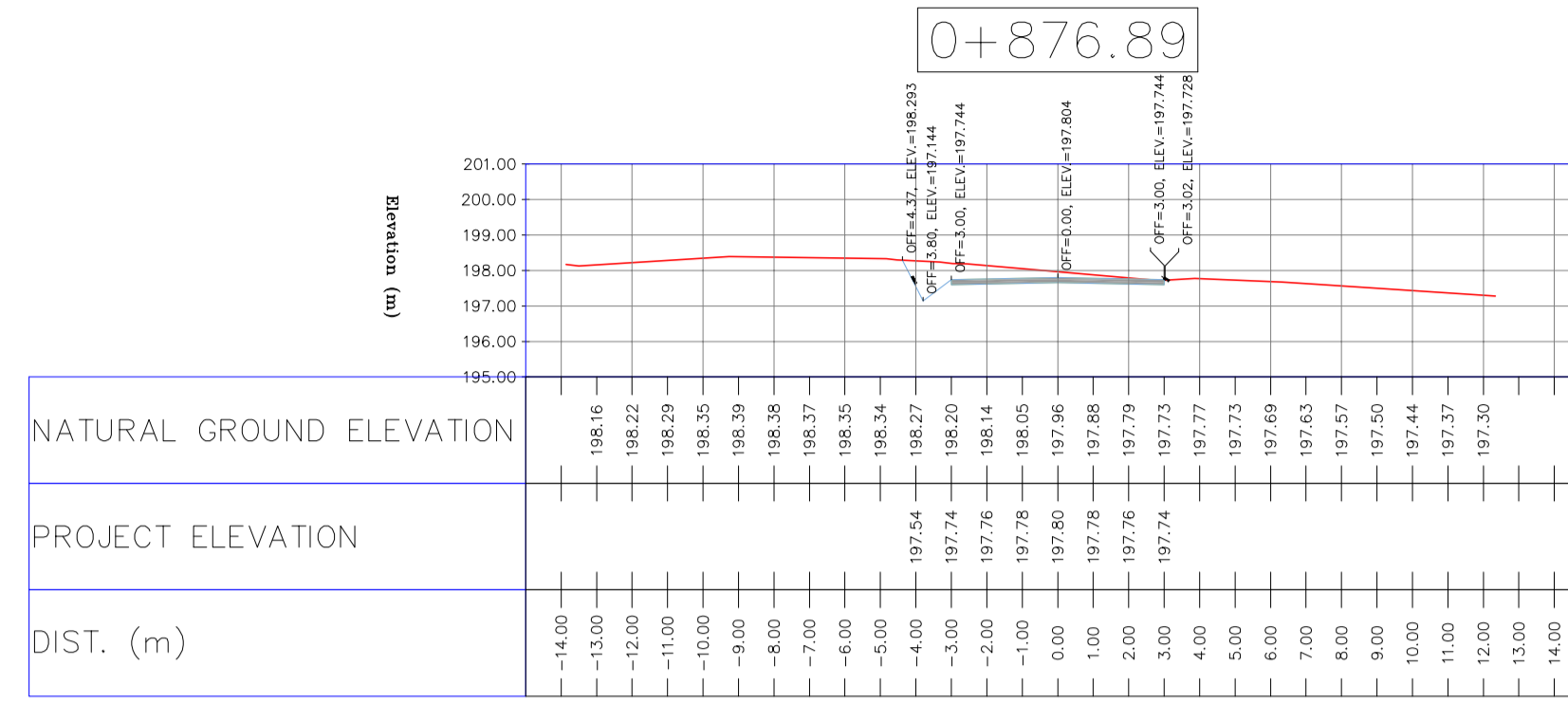
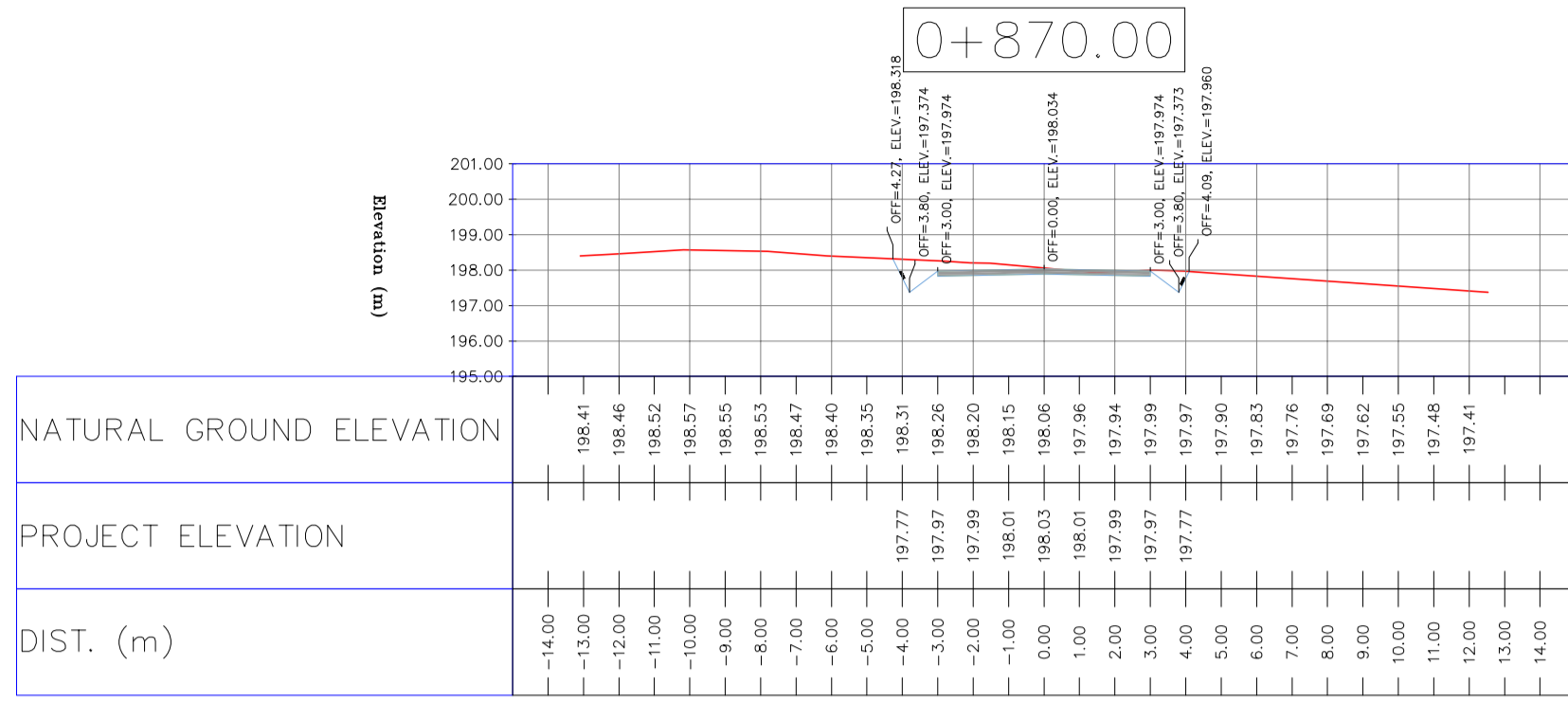
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Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
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Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-C



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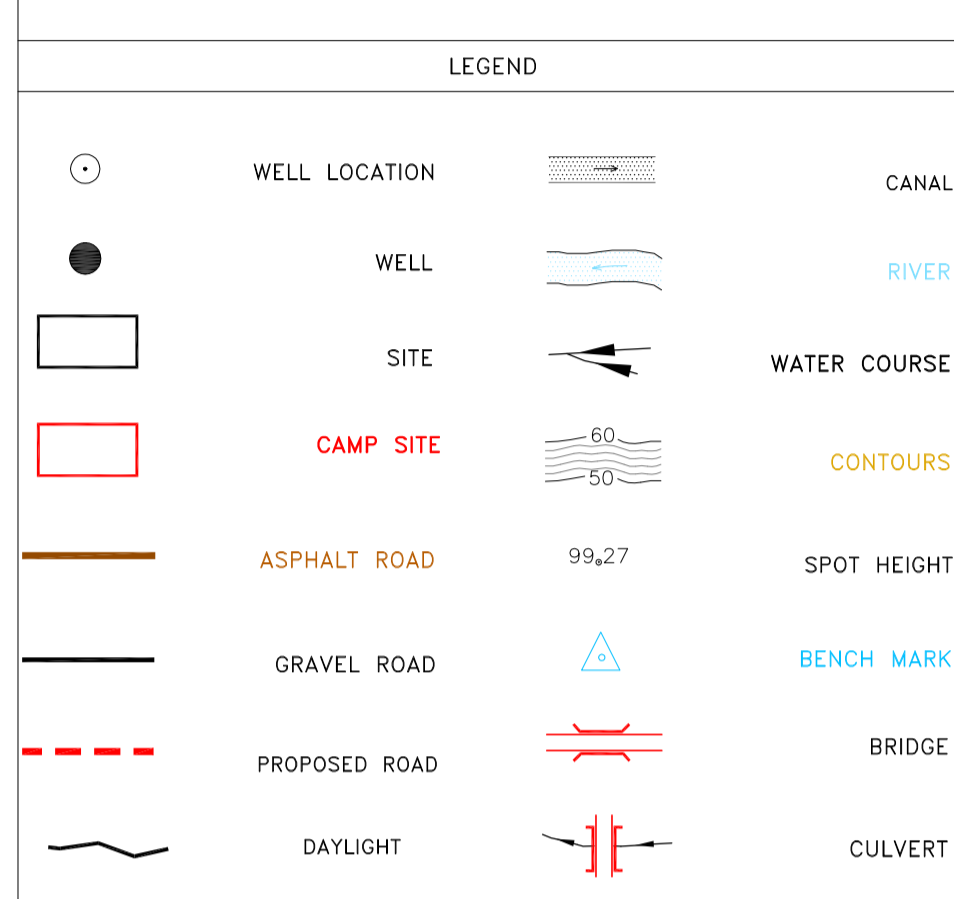
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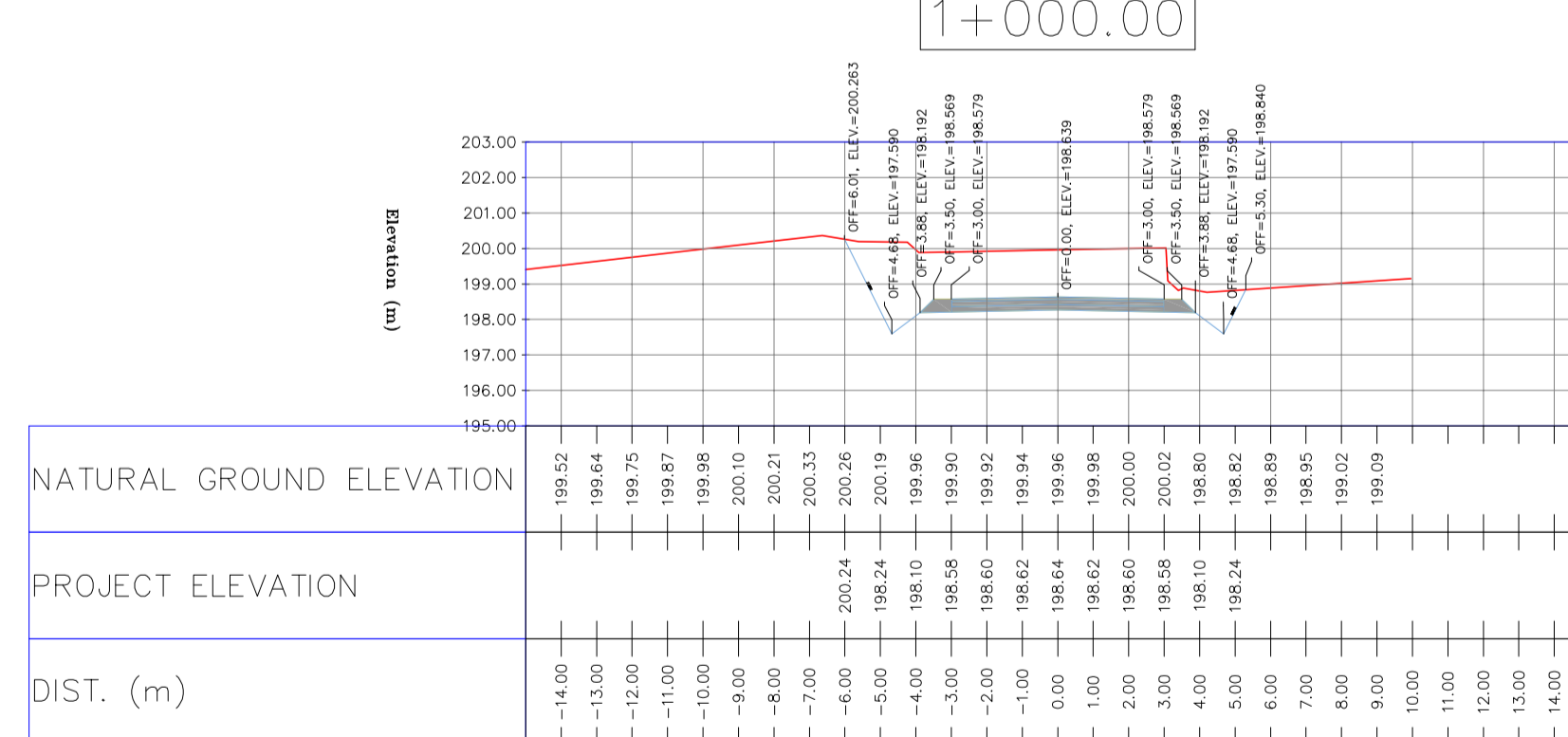
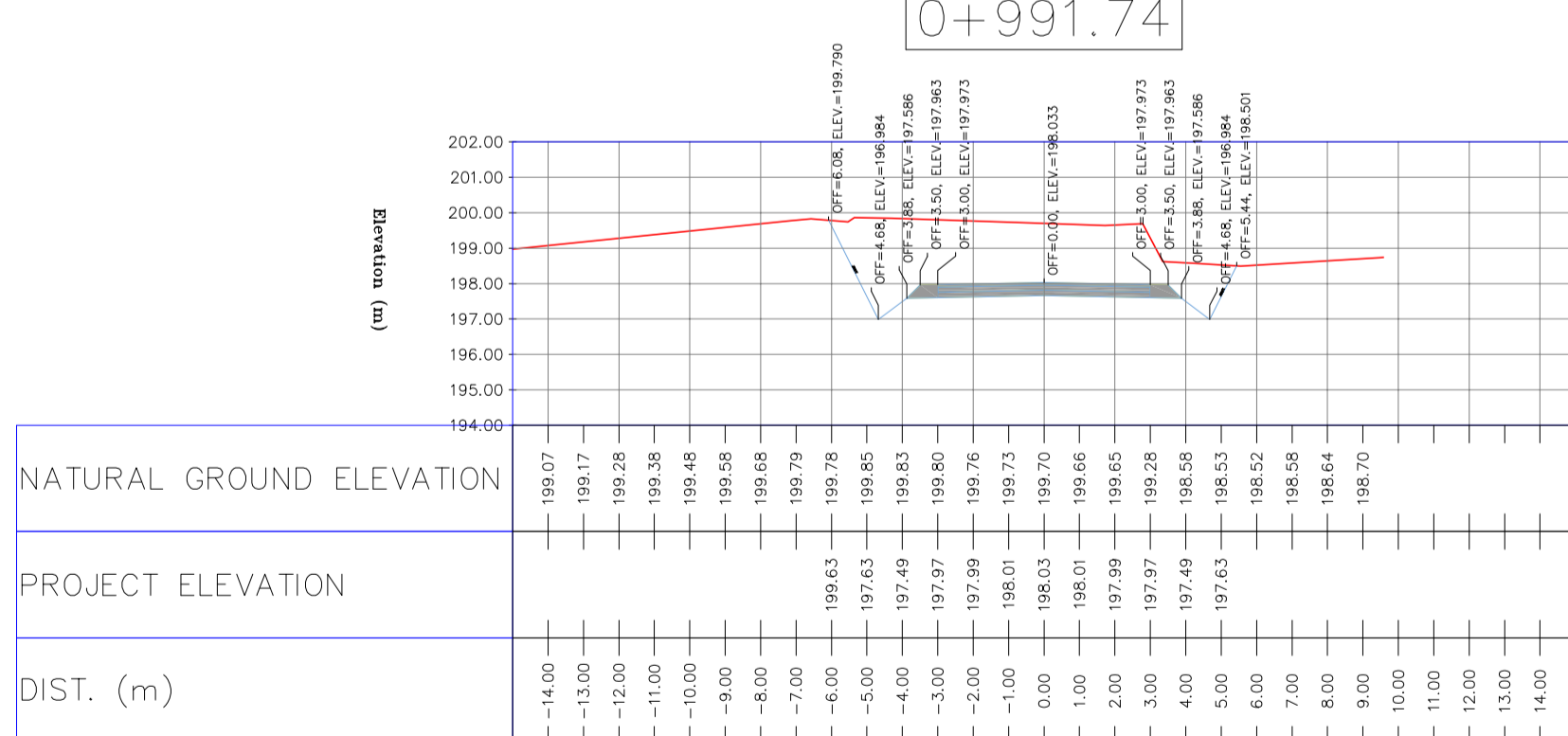
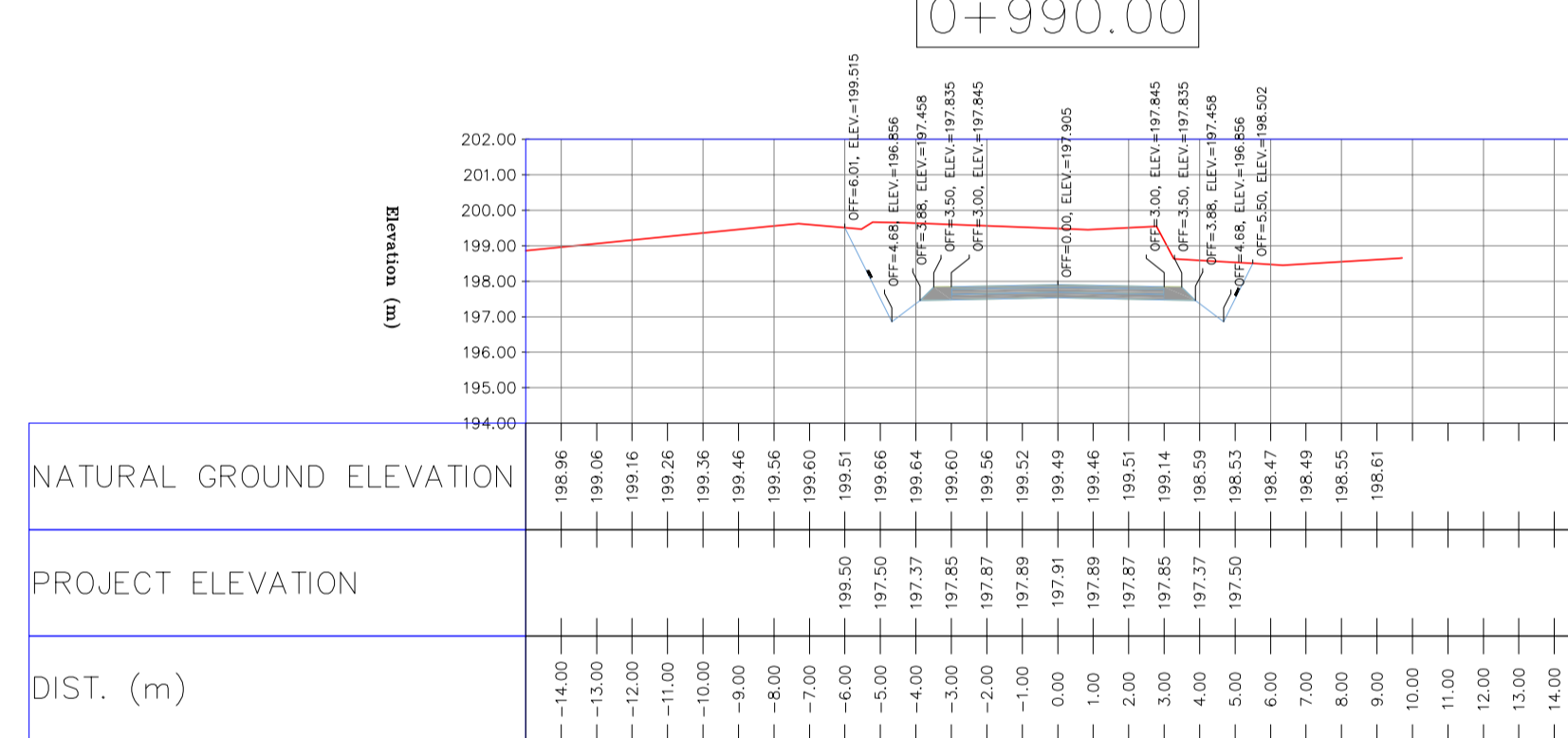
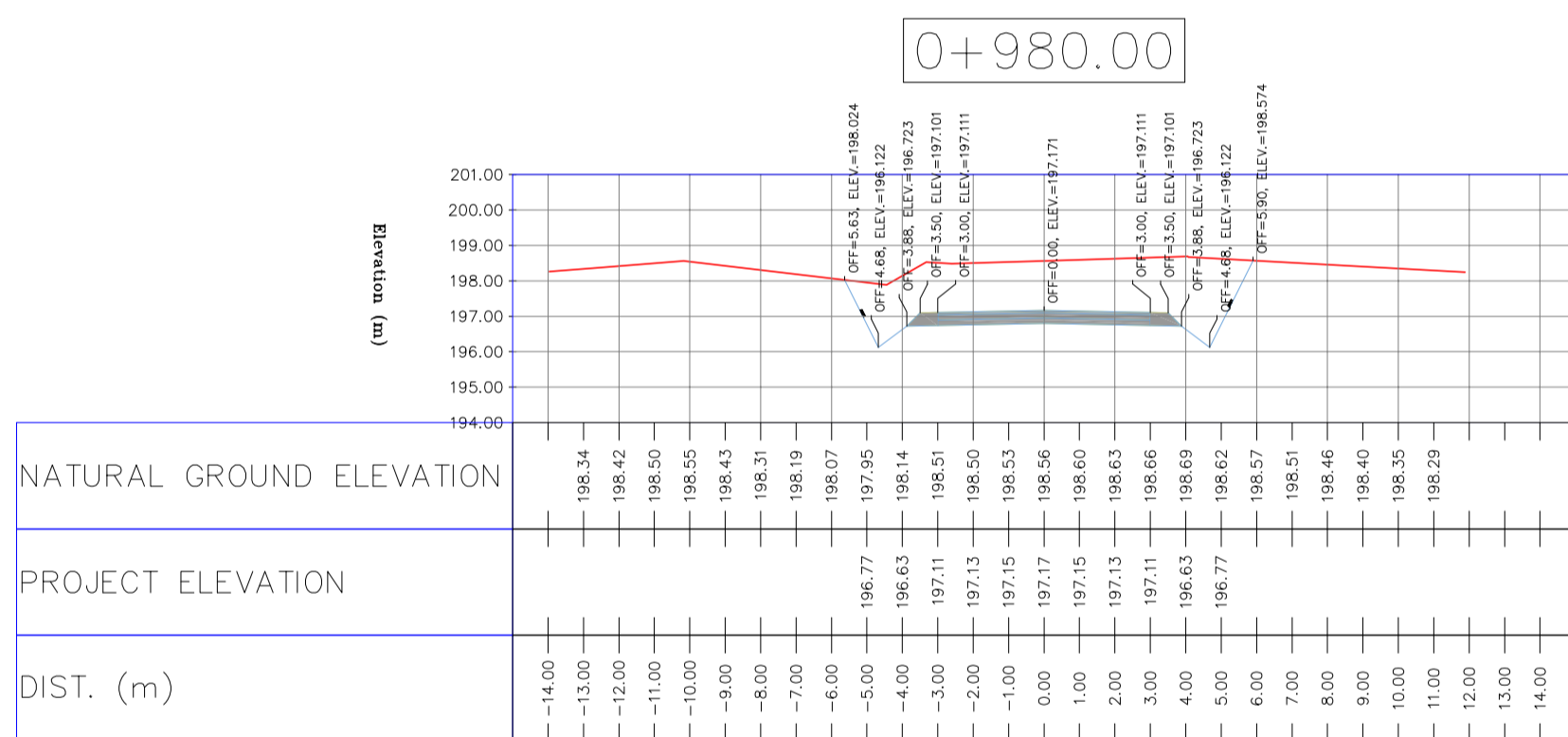
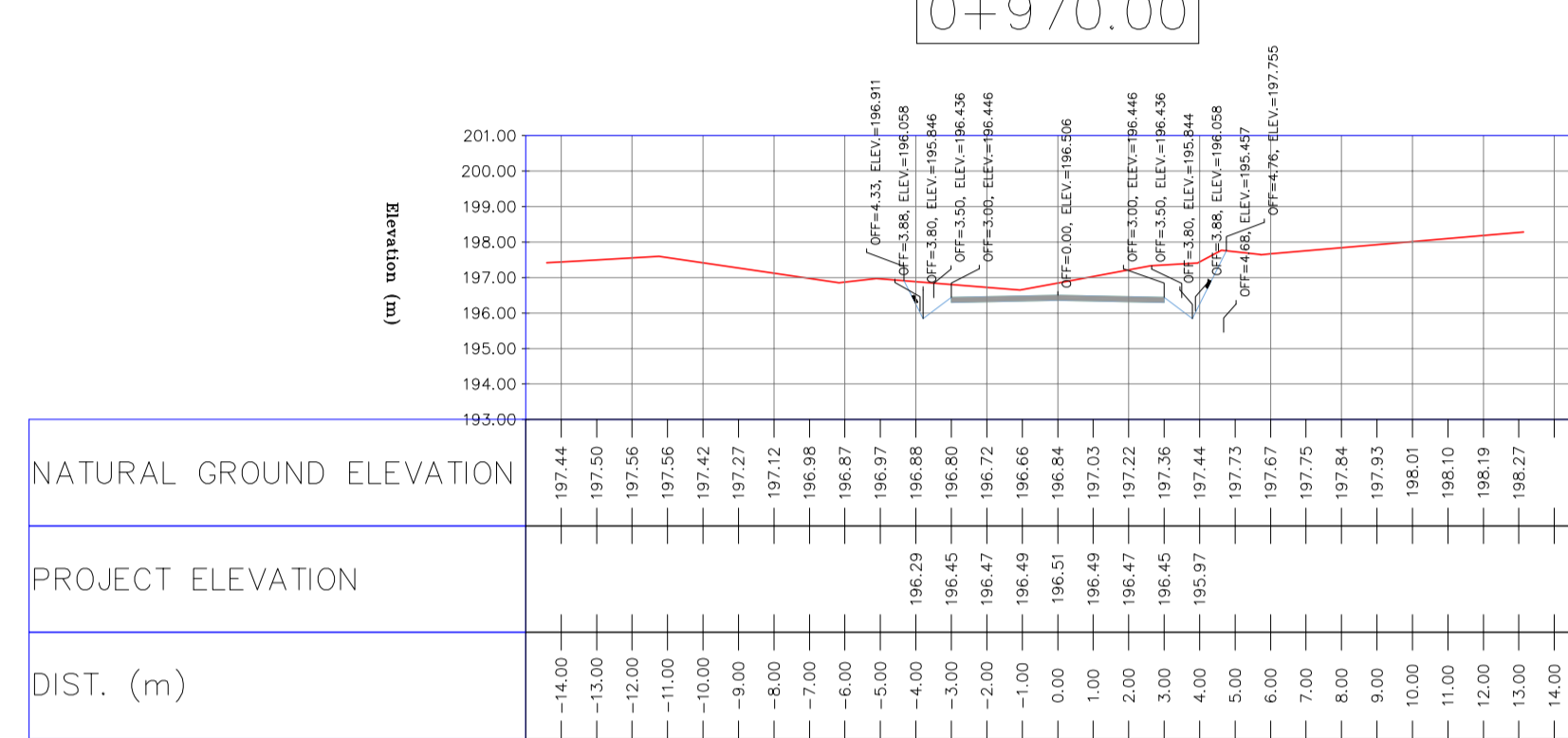
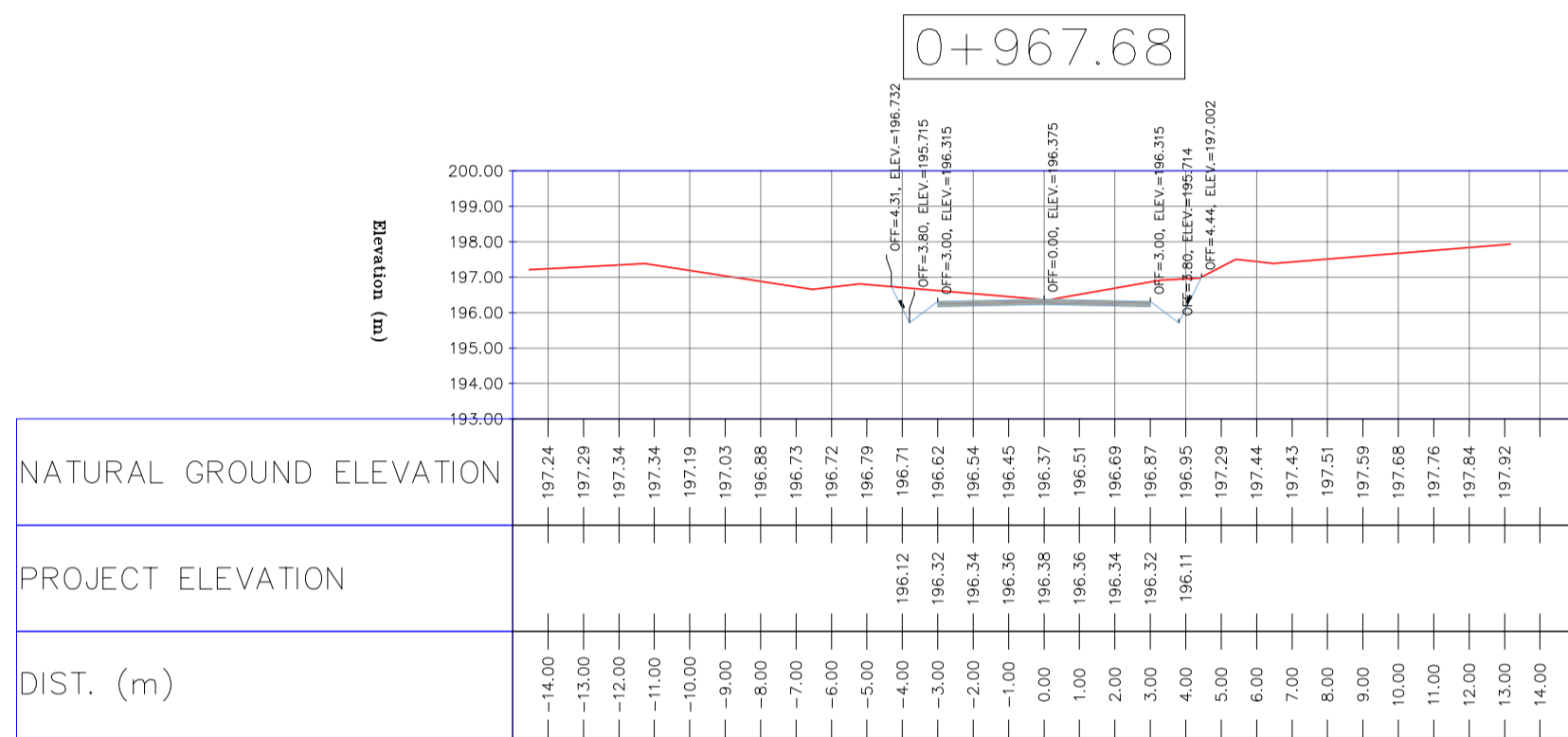
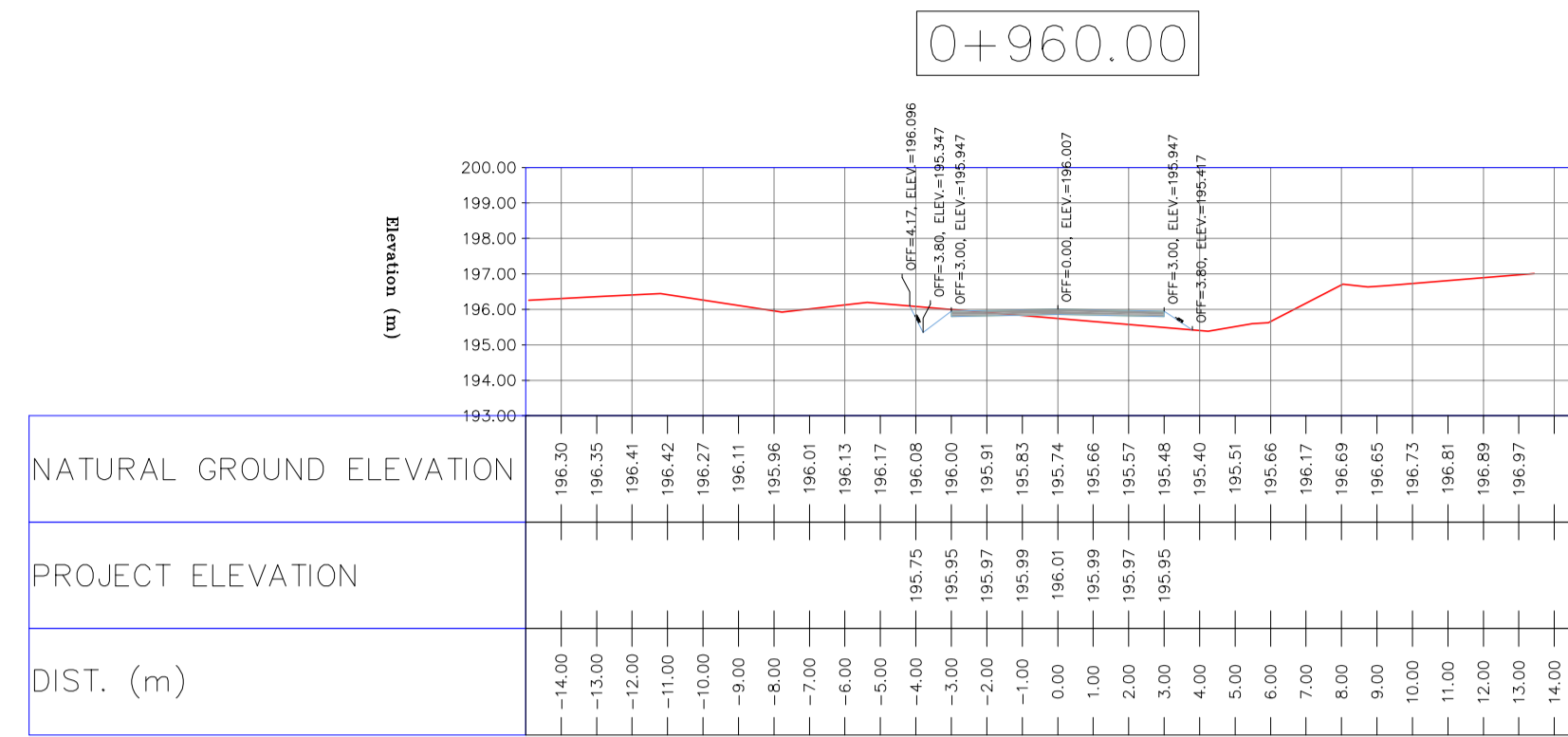
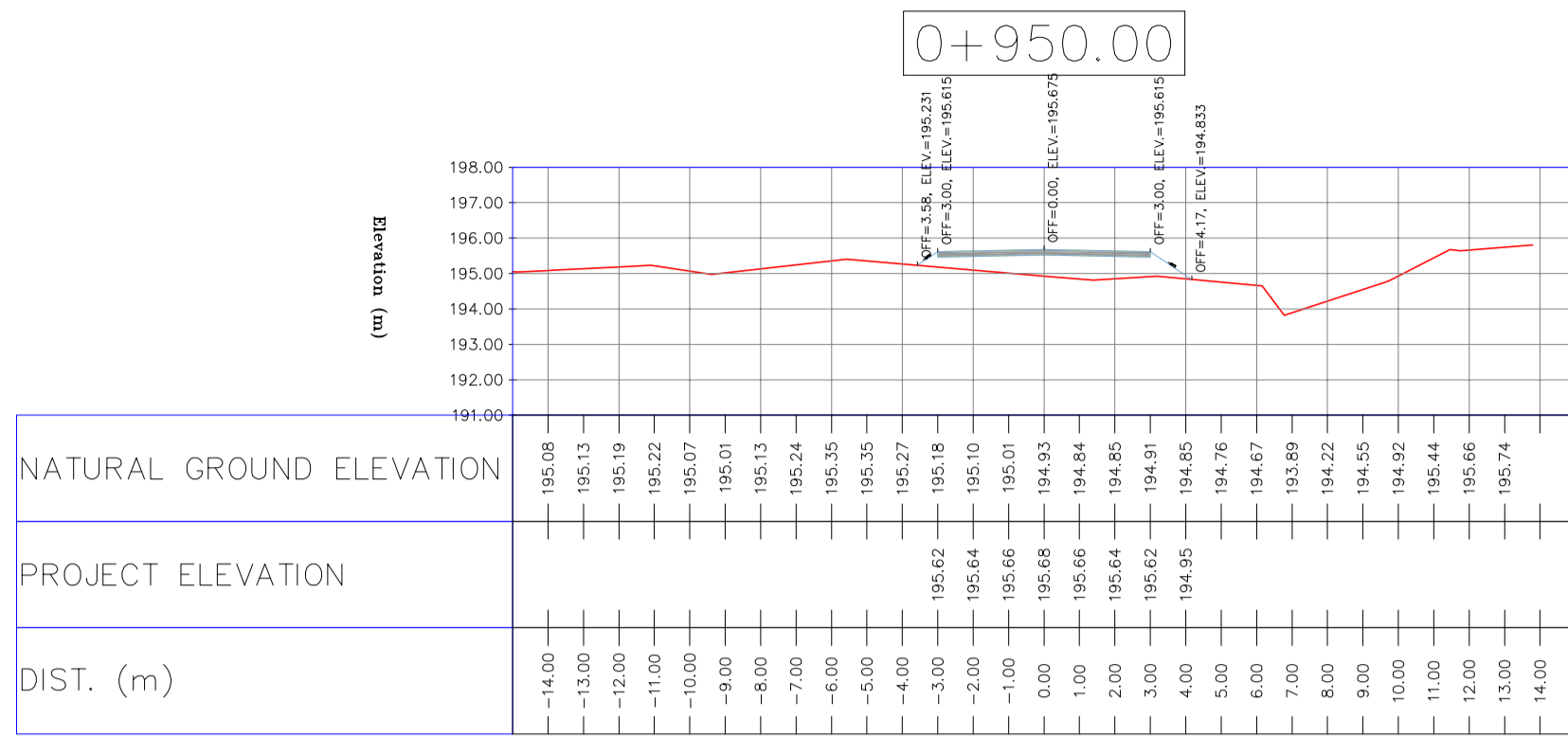


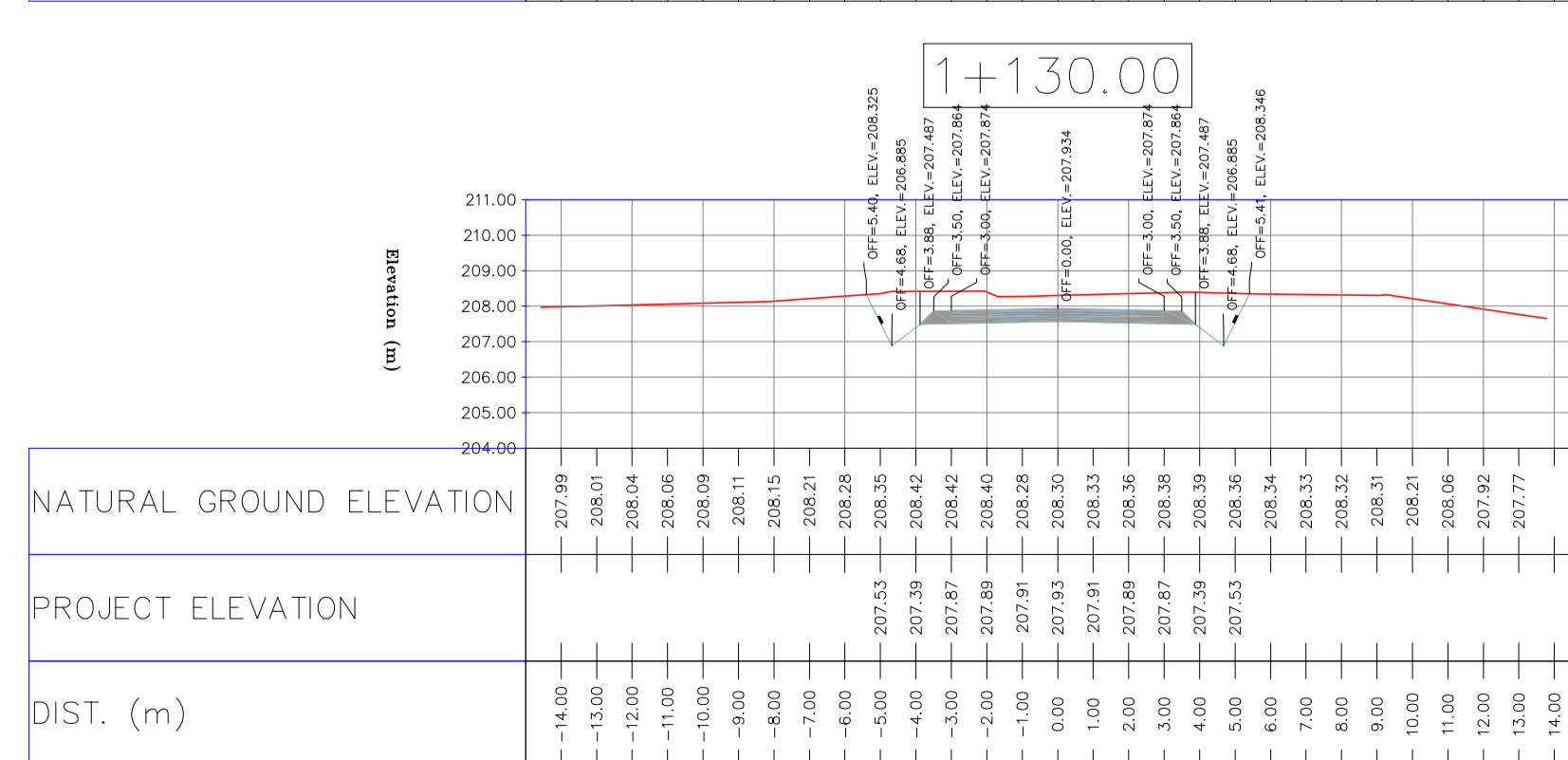
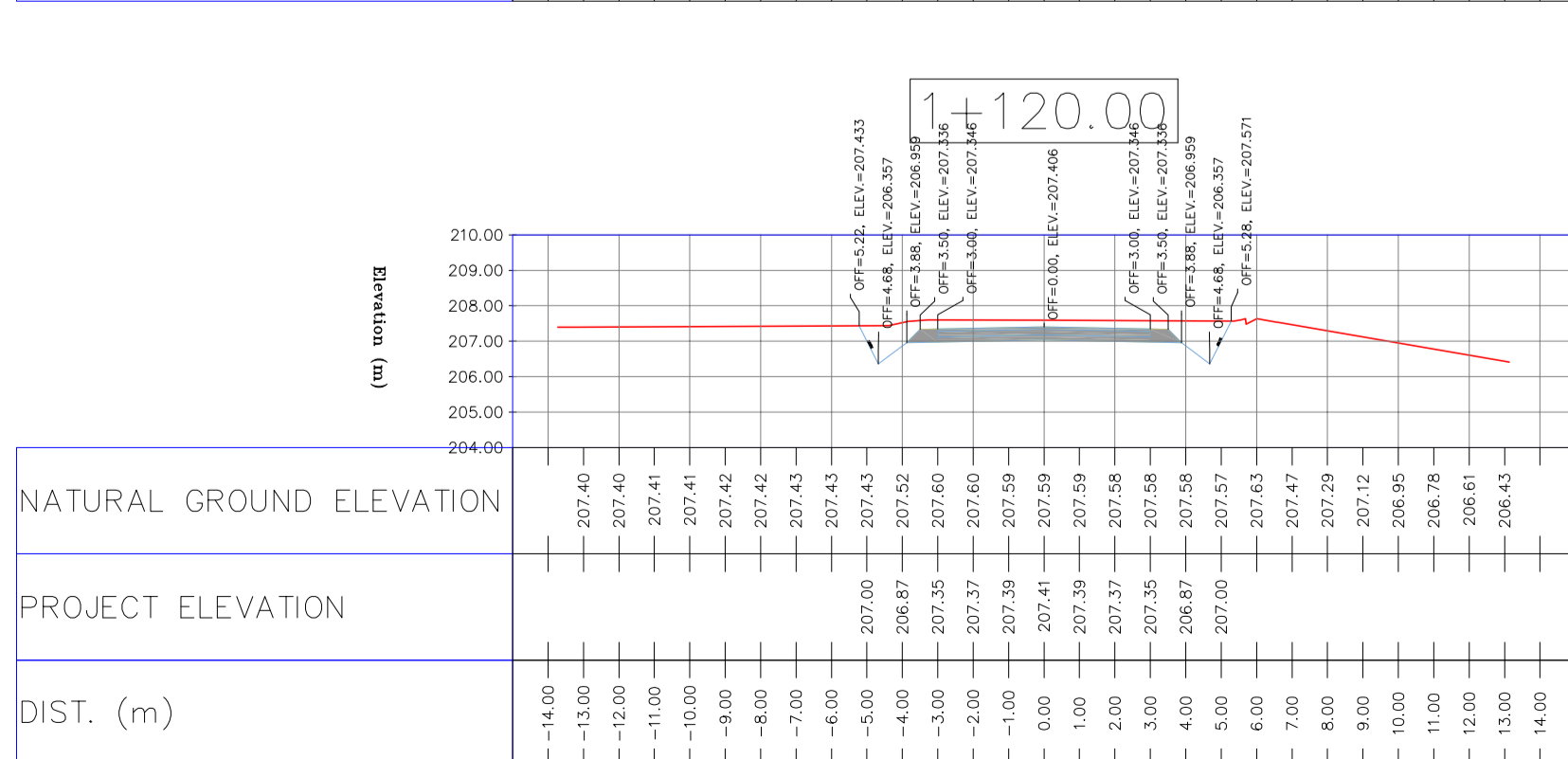
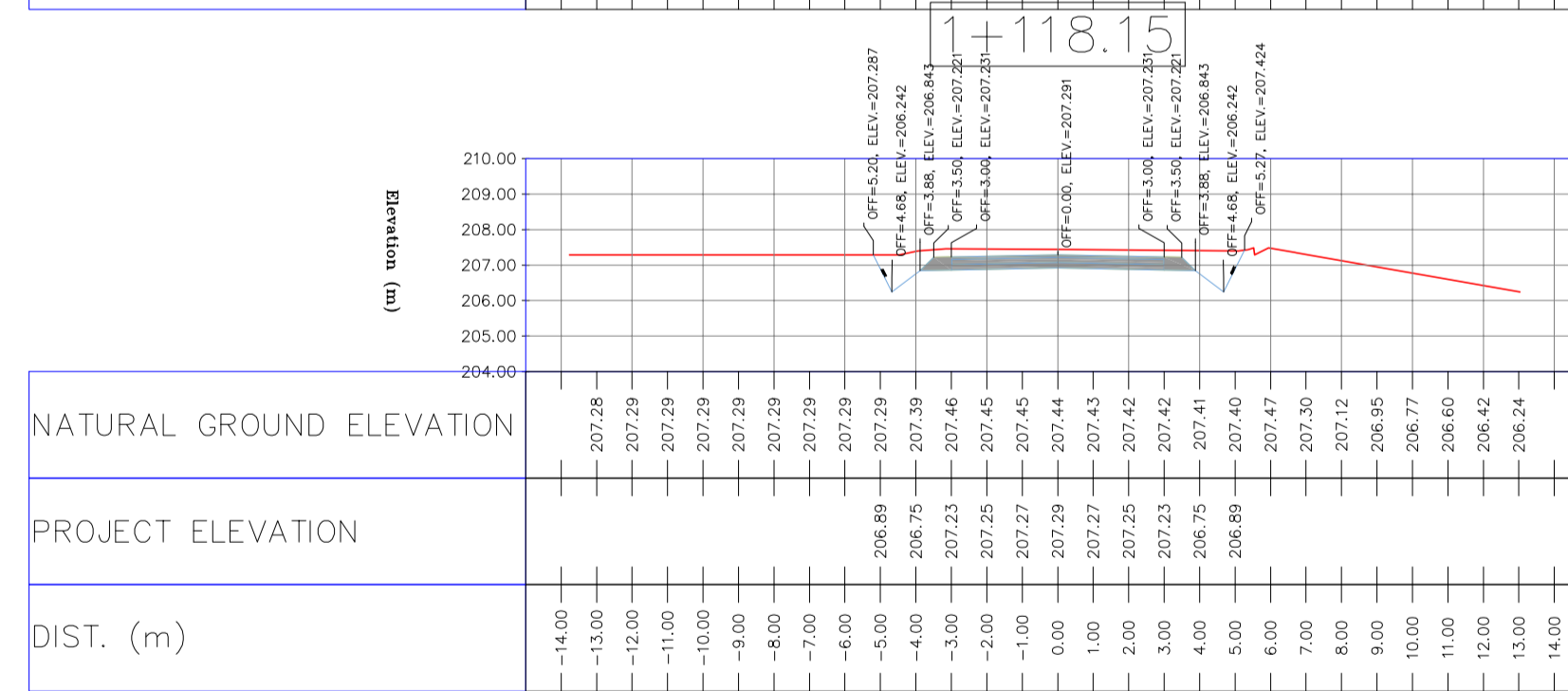
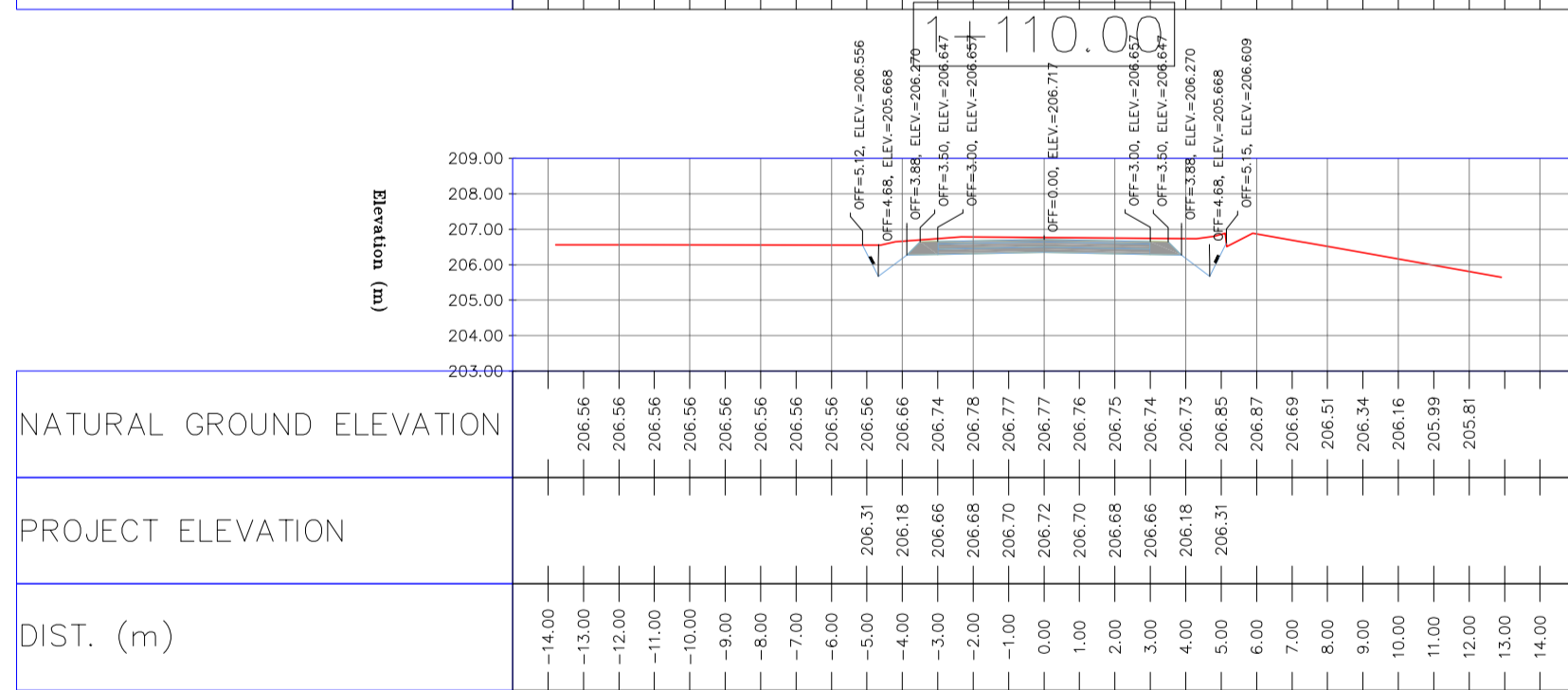
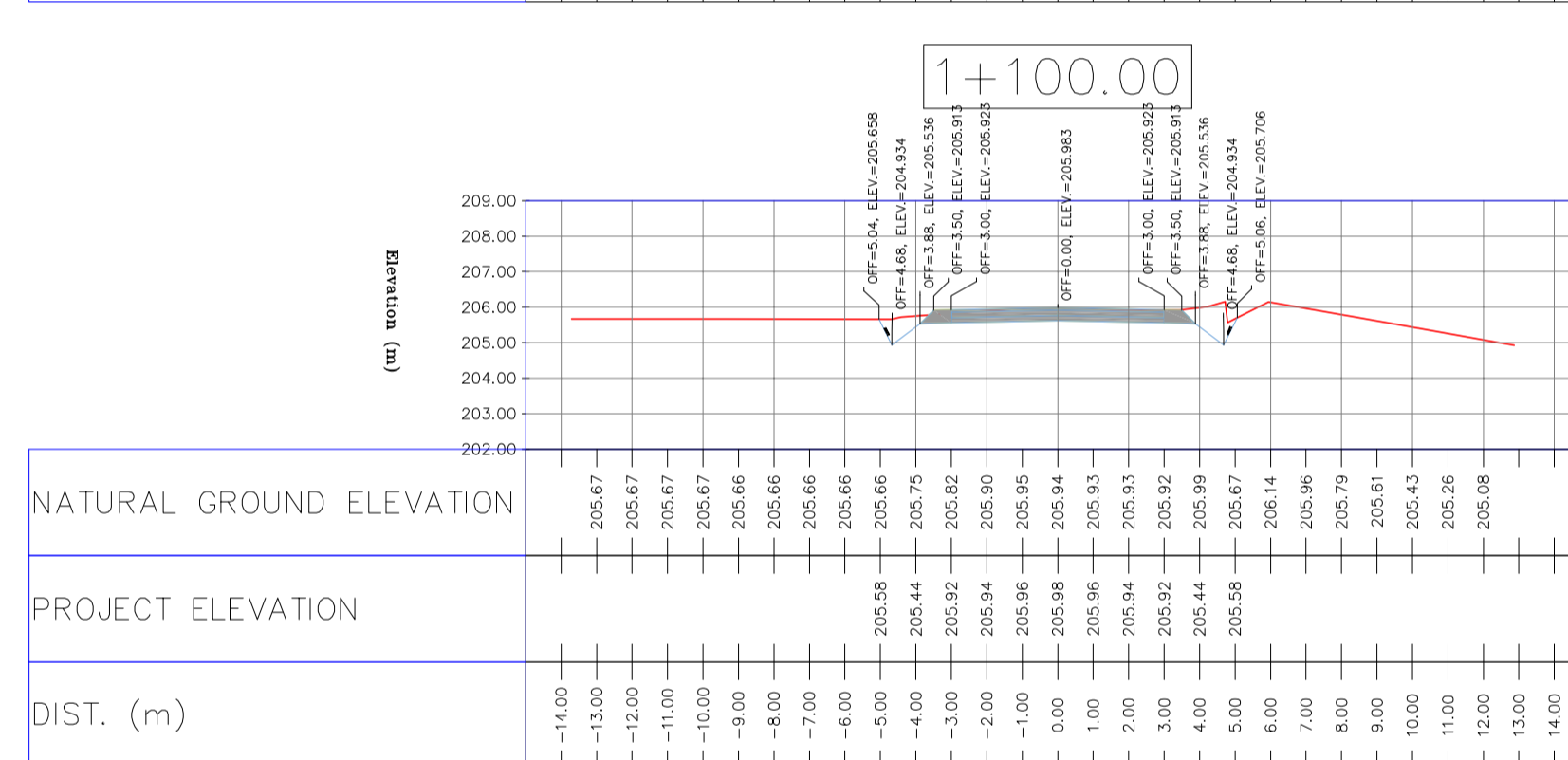
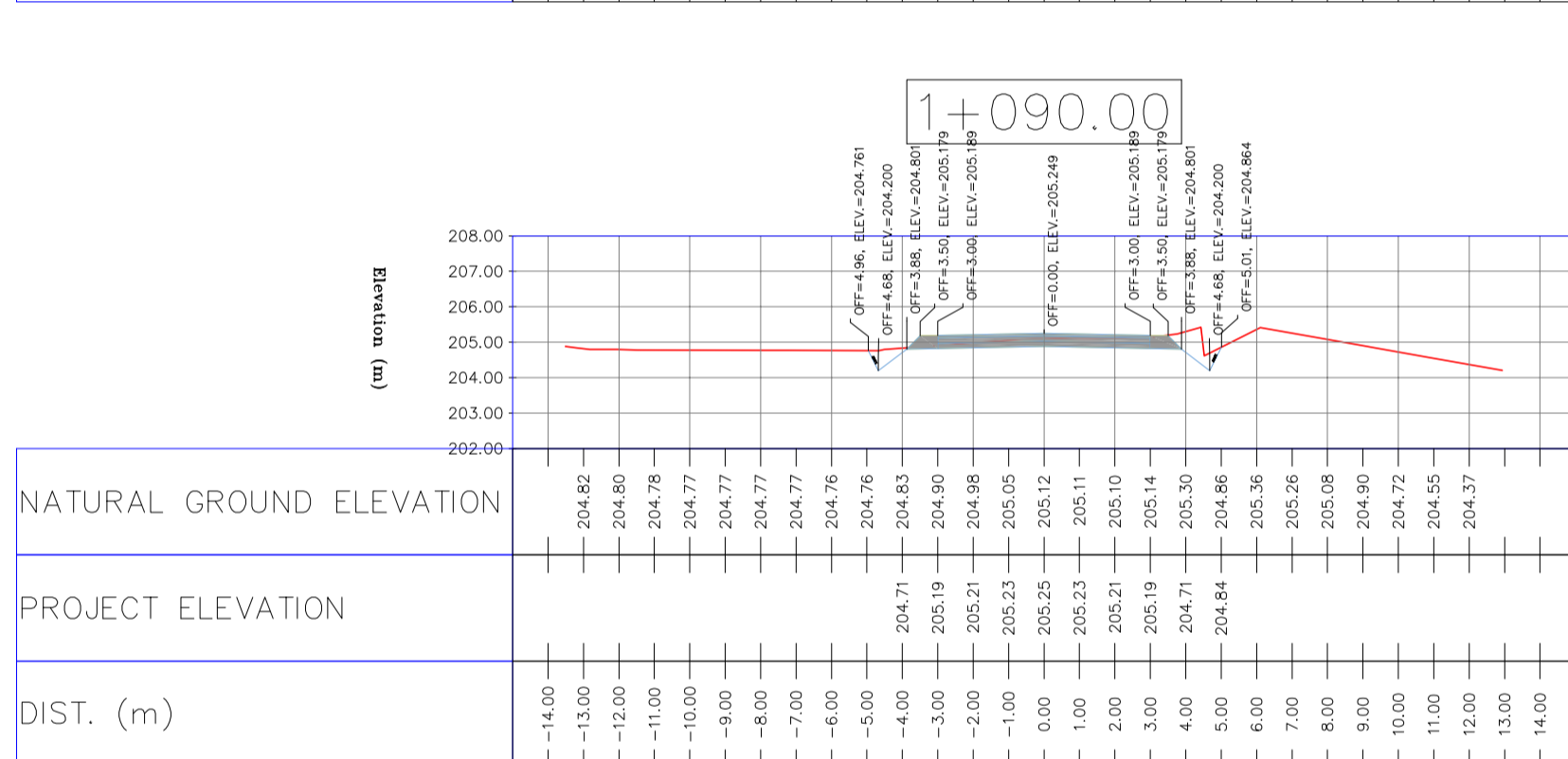
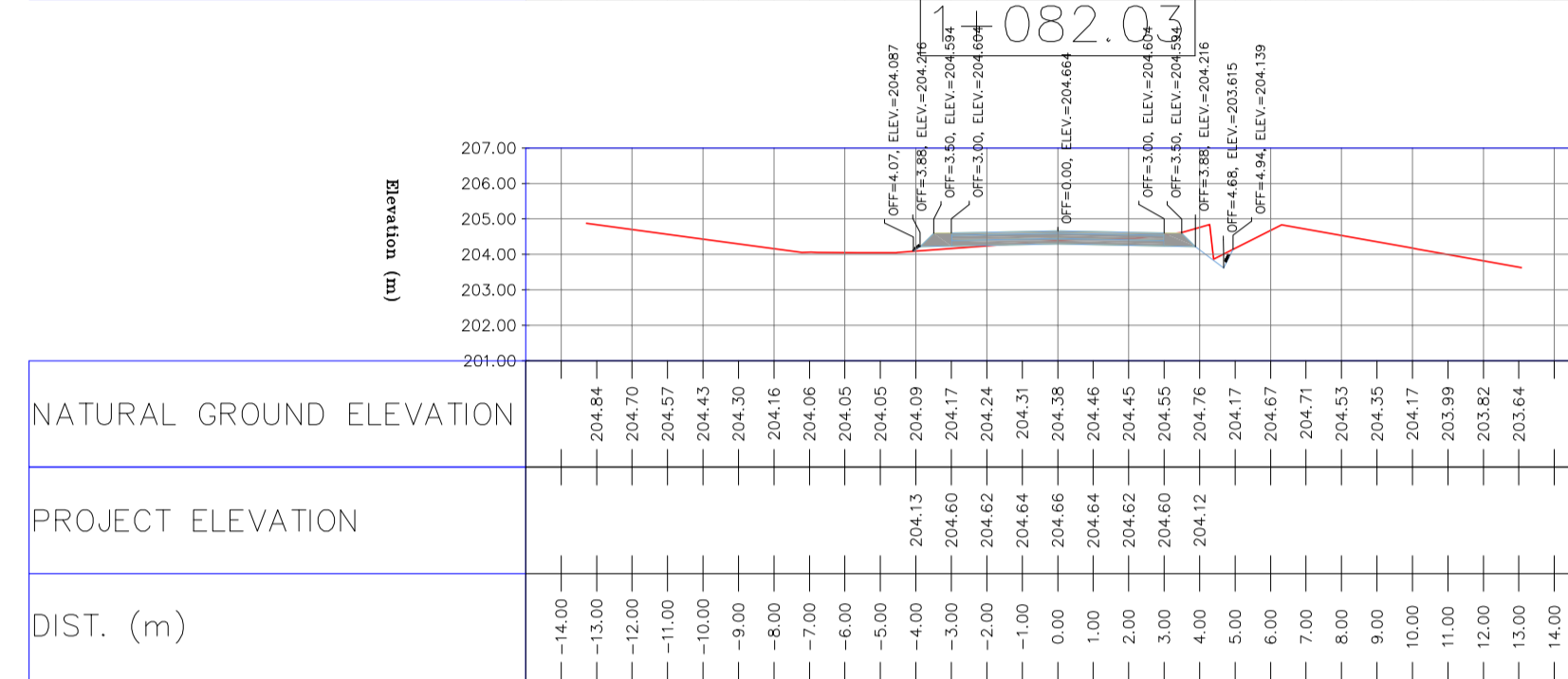
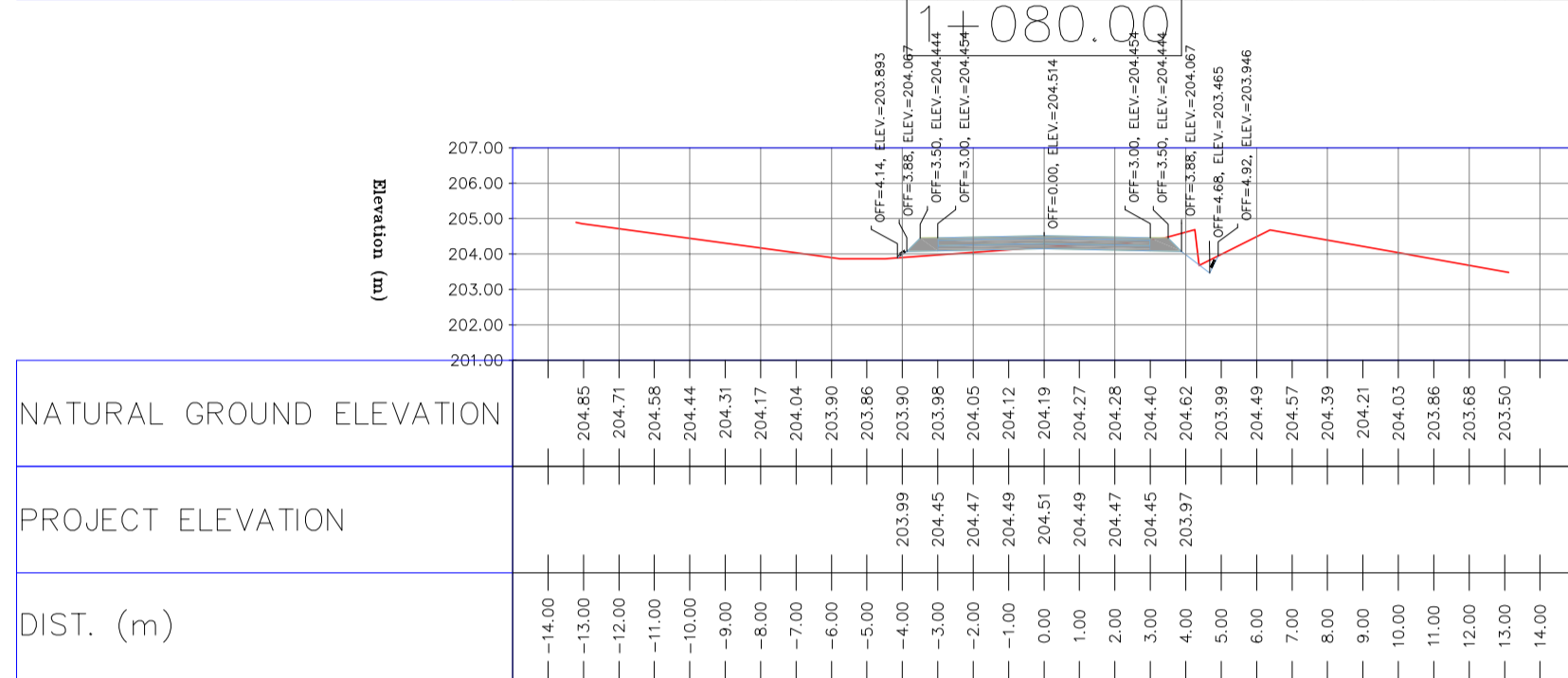
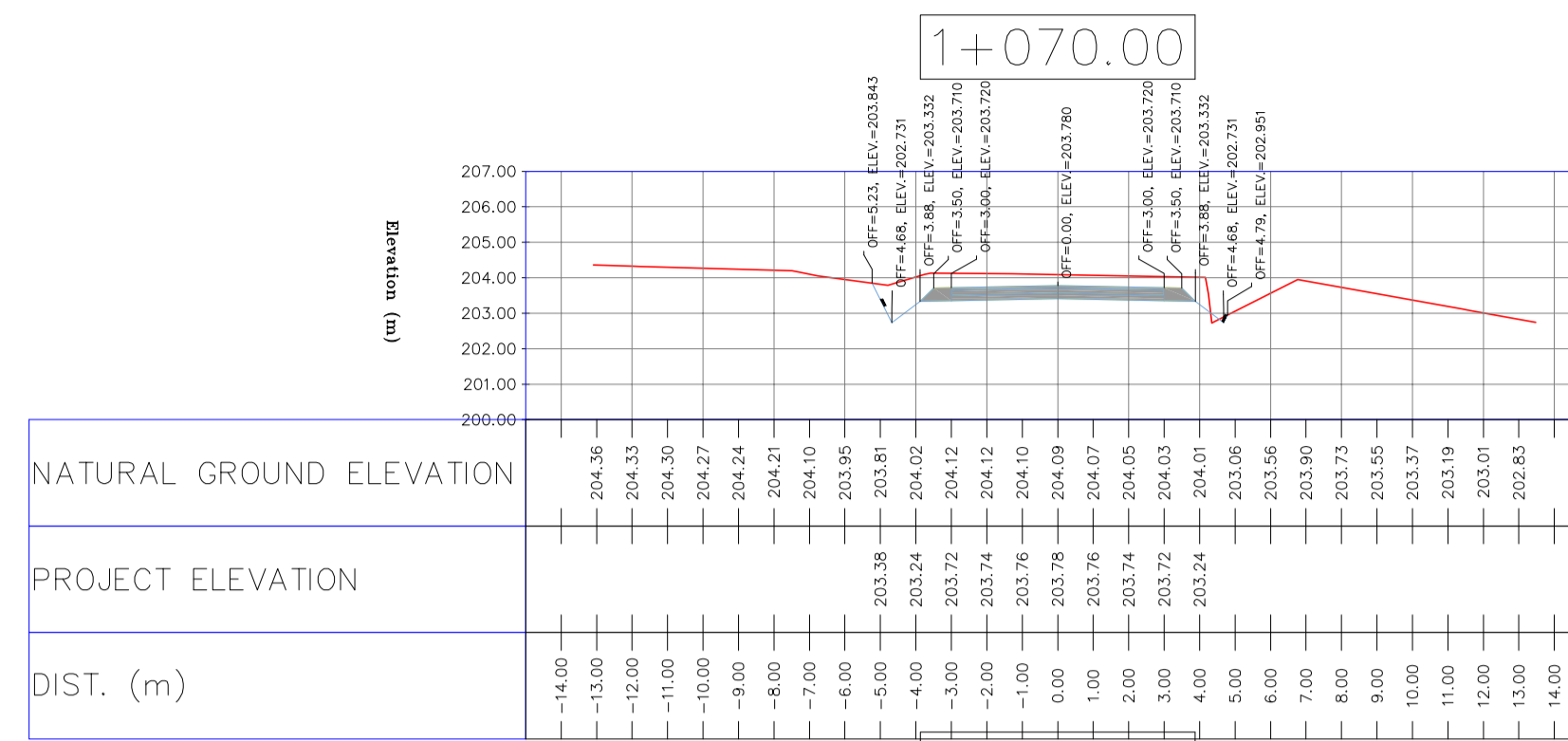
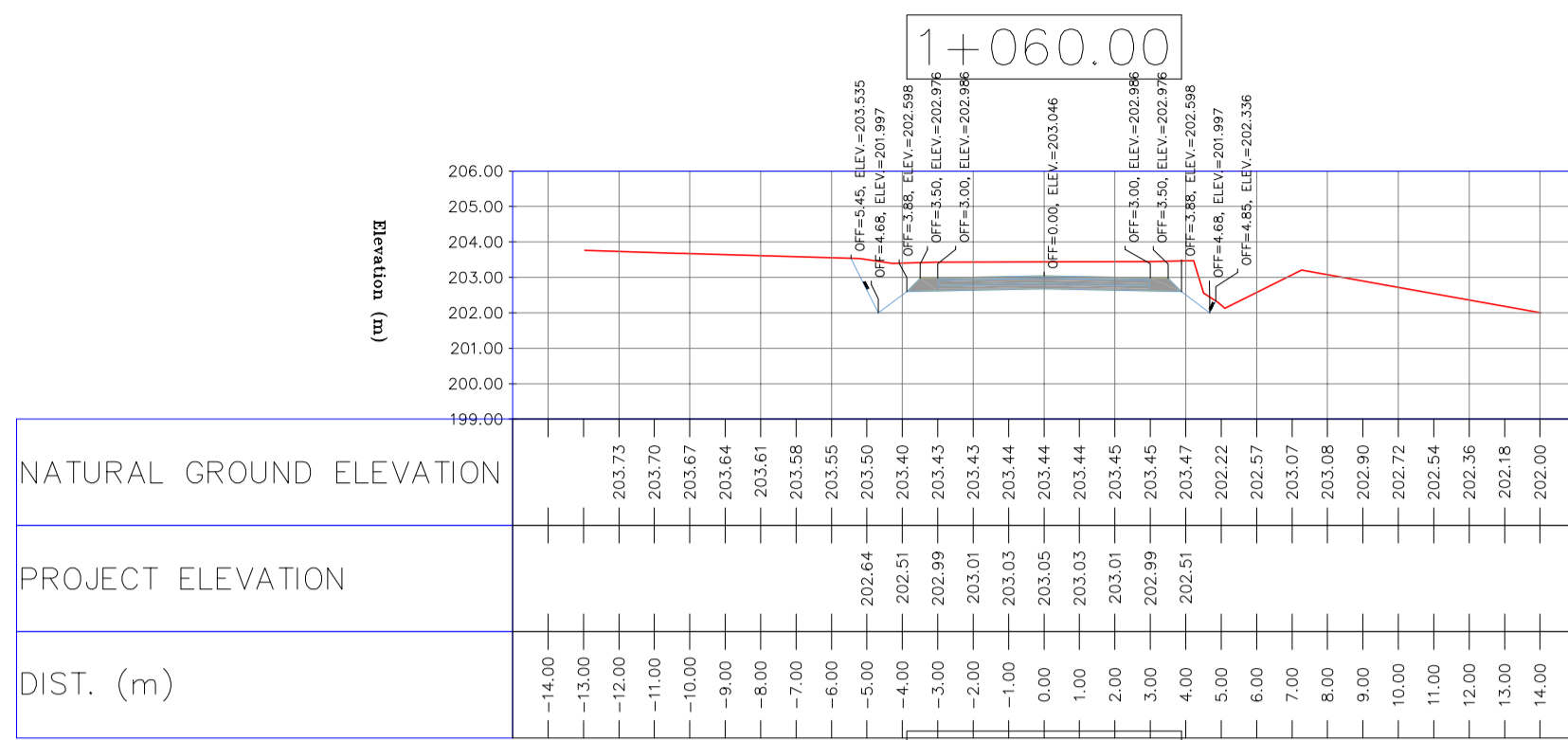
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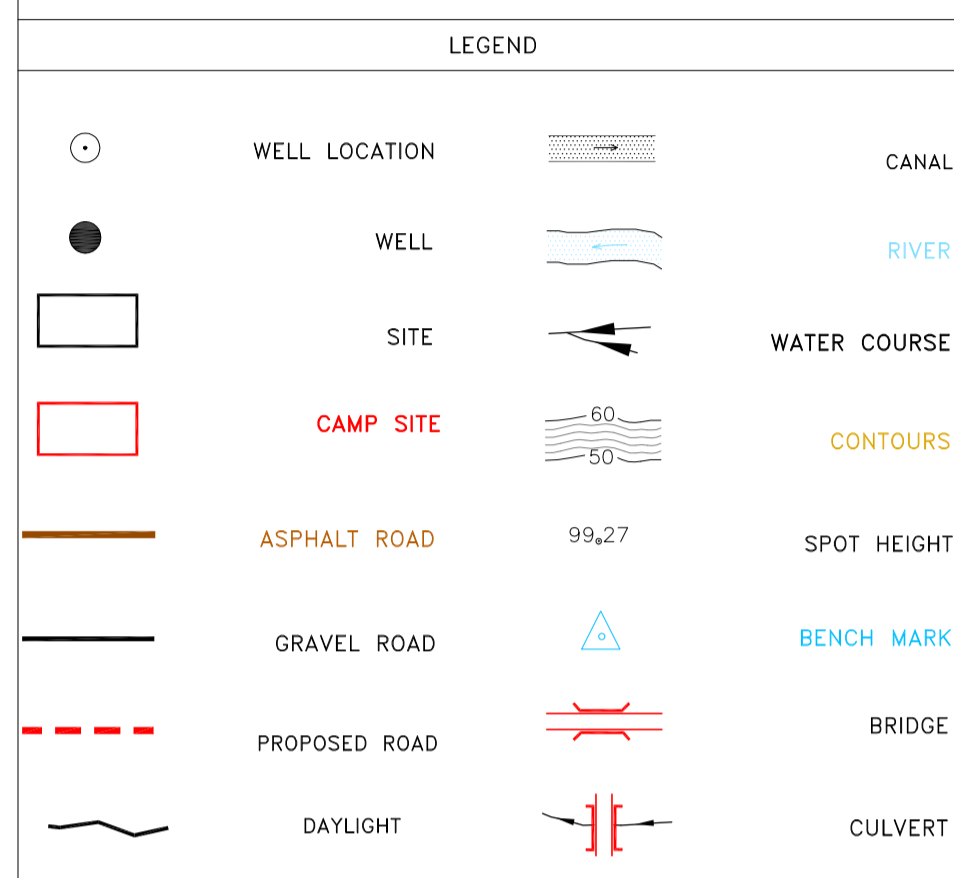
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General Civil Layout - BK14	BK-BK14-PEDCO-



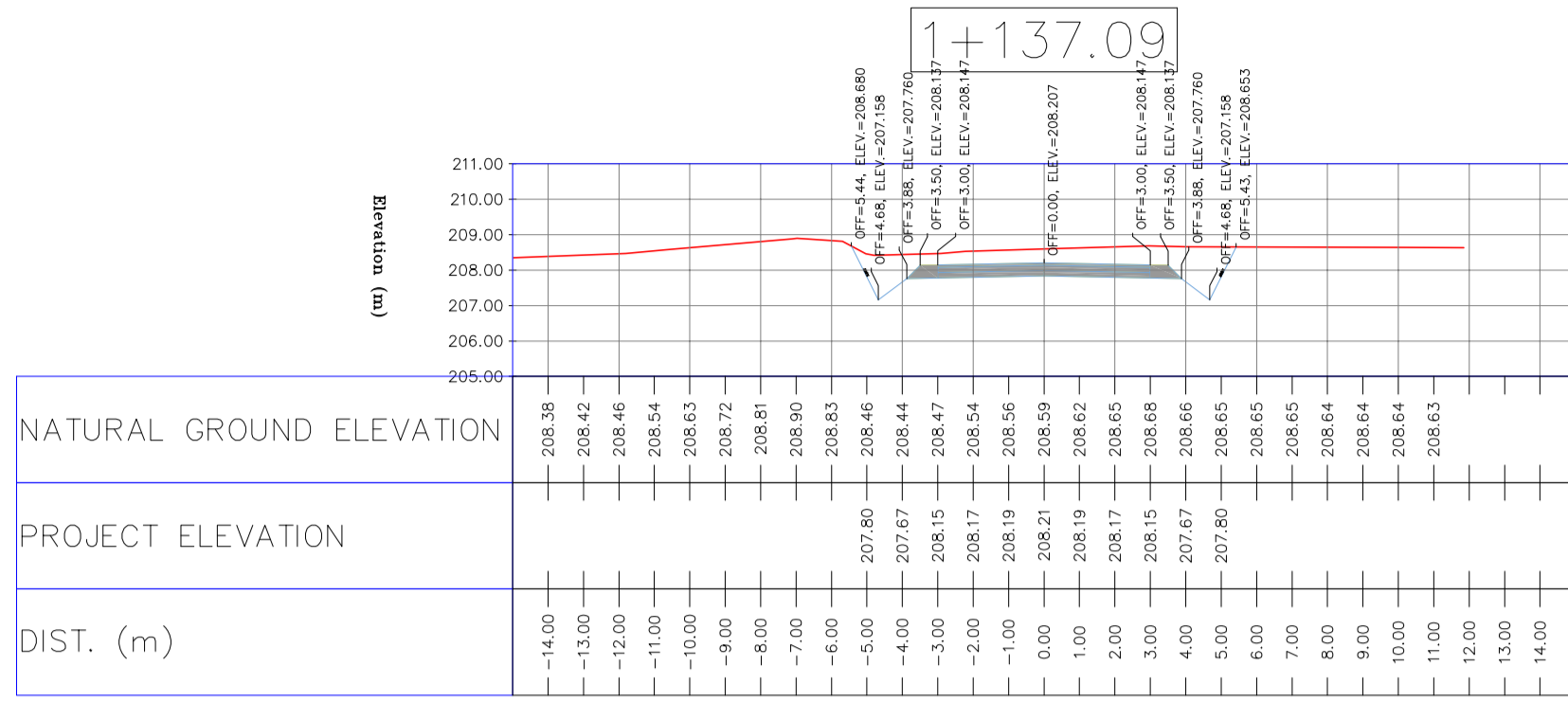


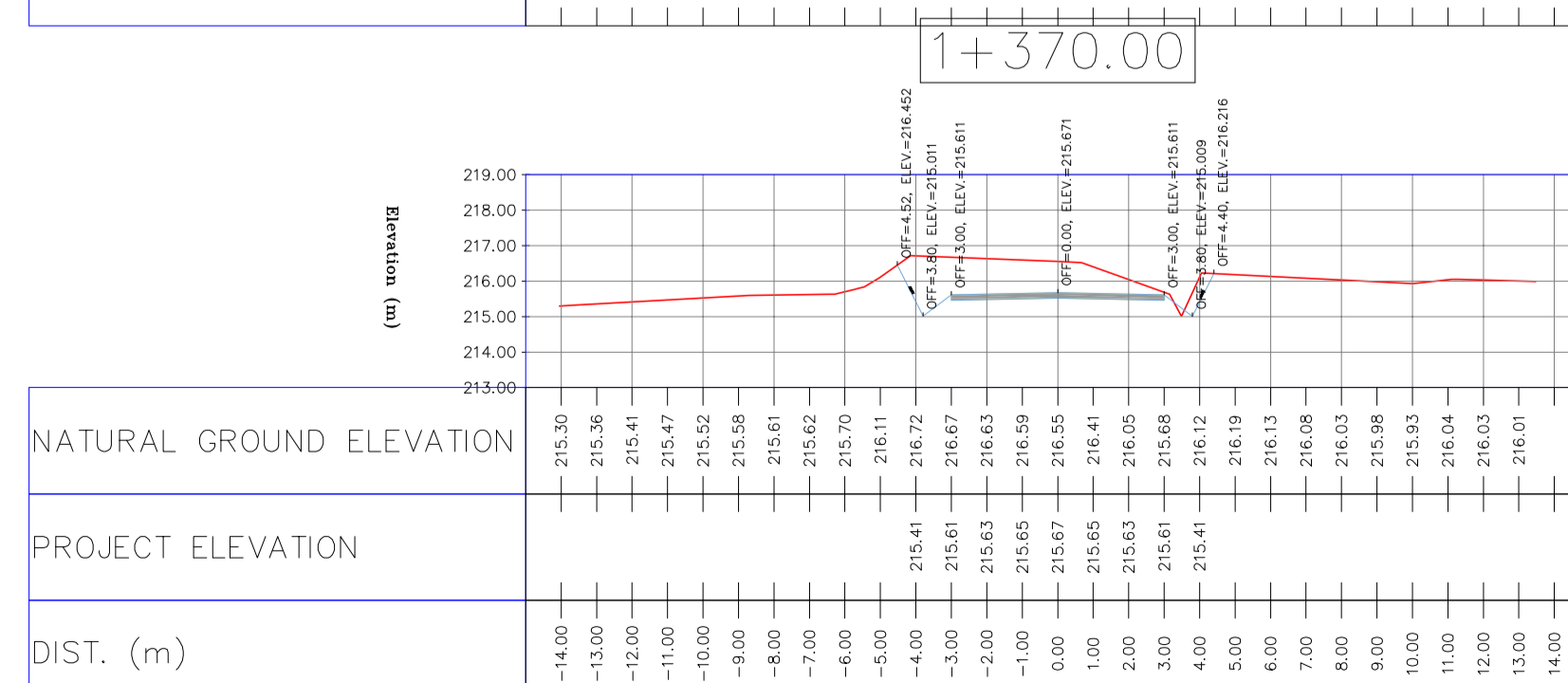
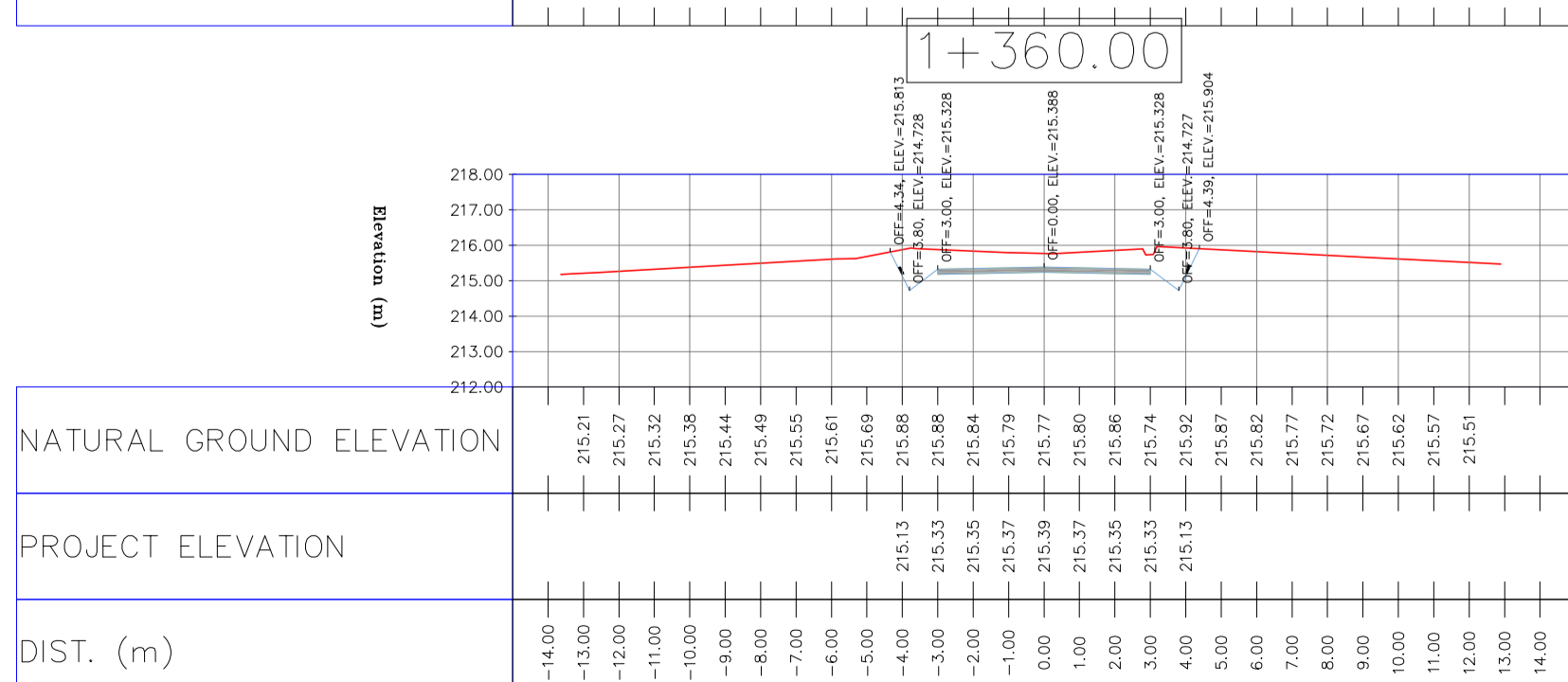
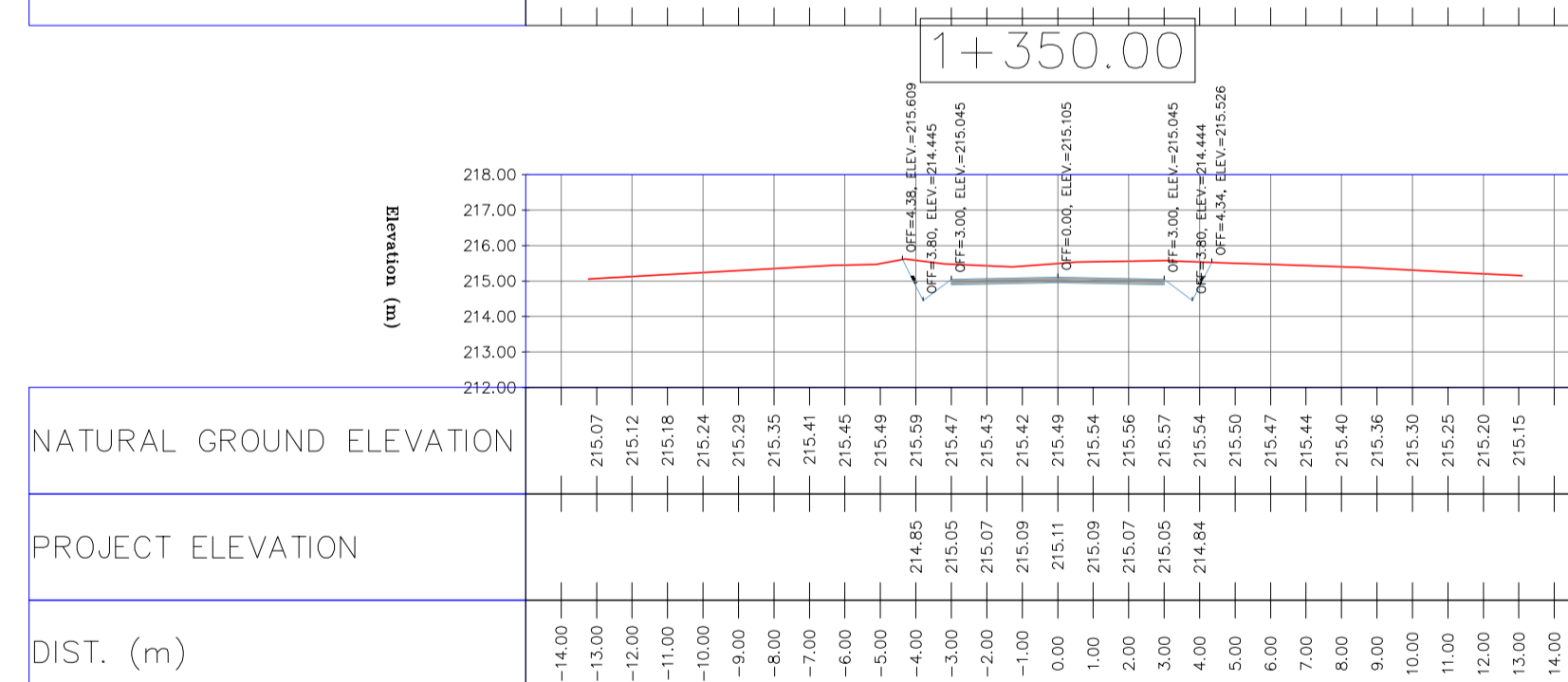
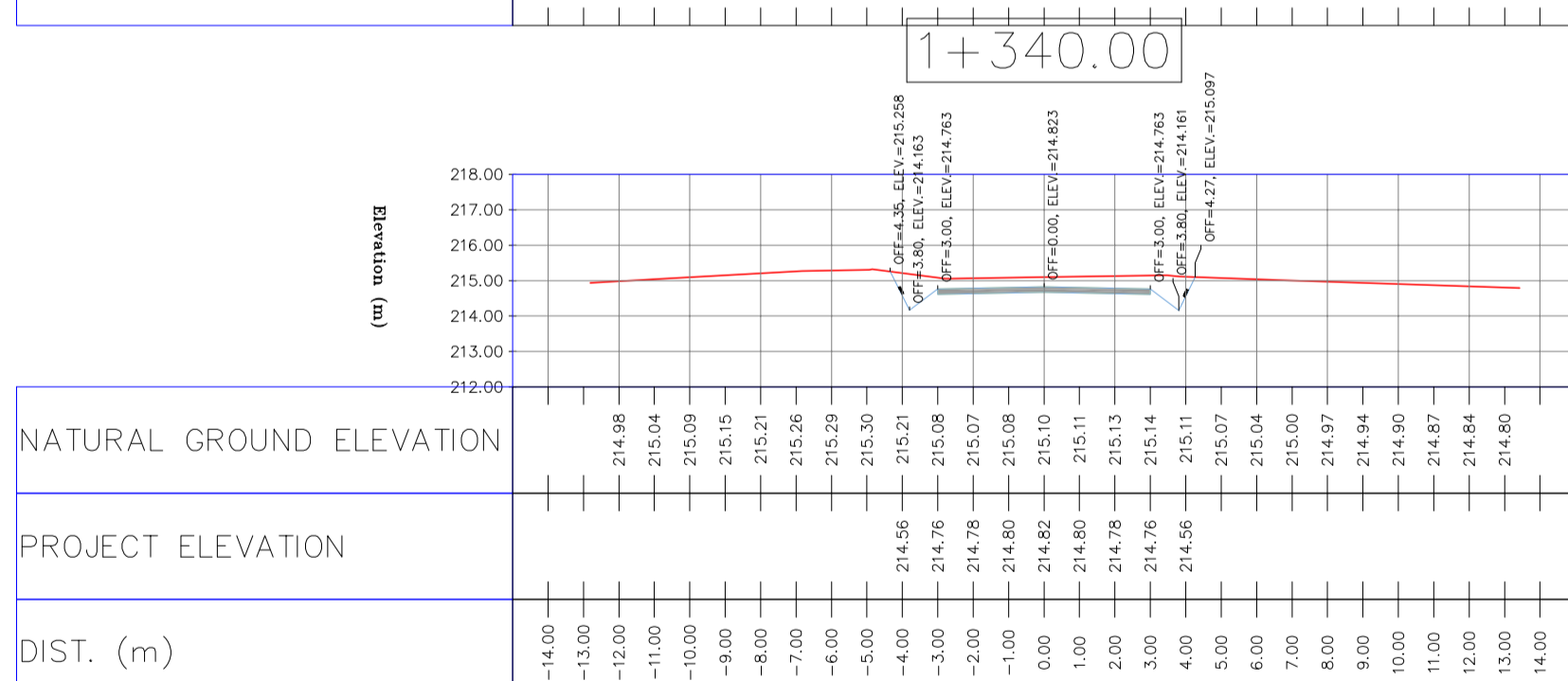
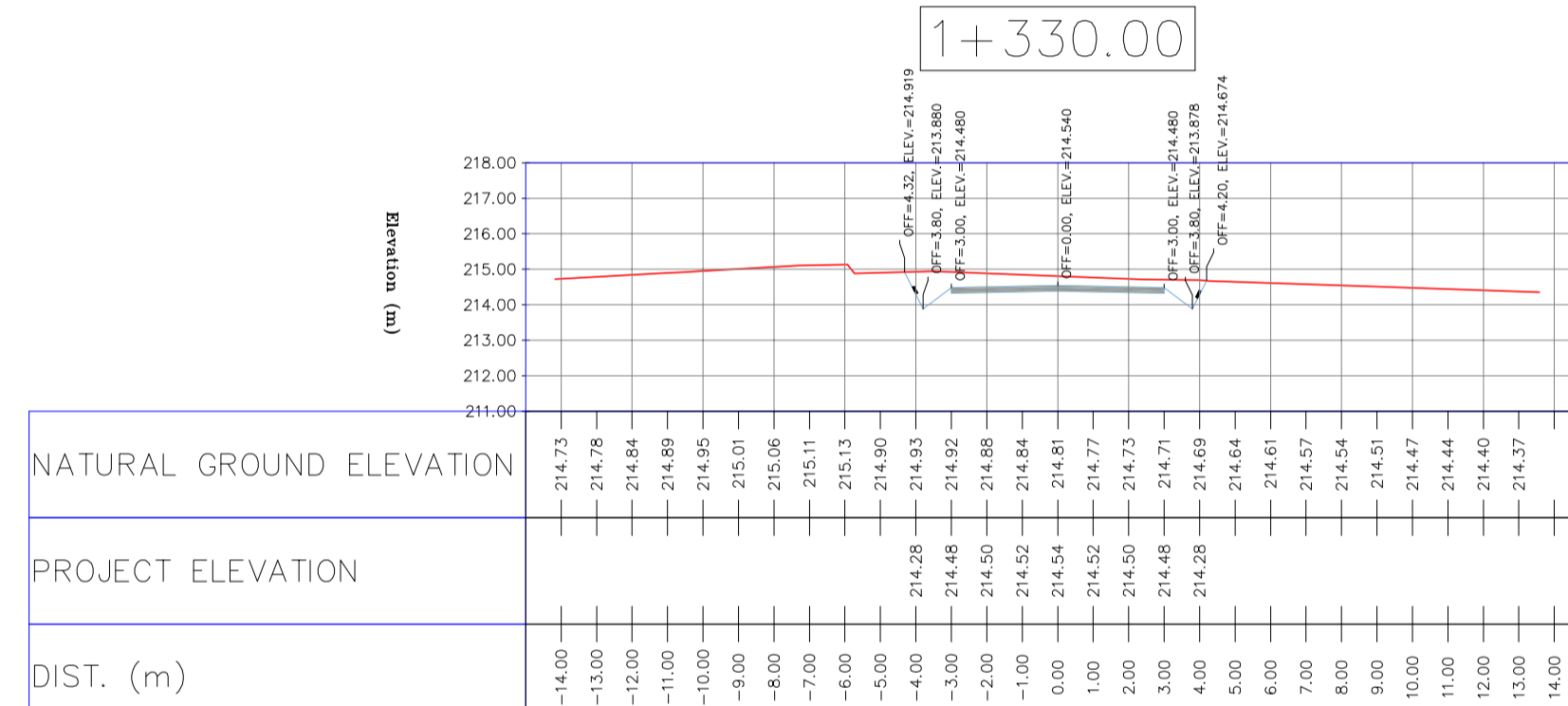
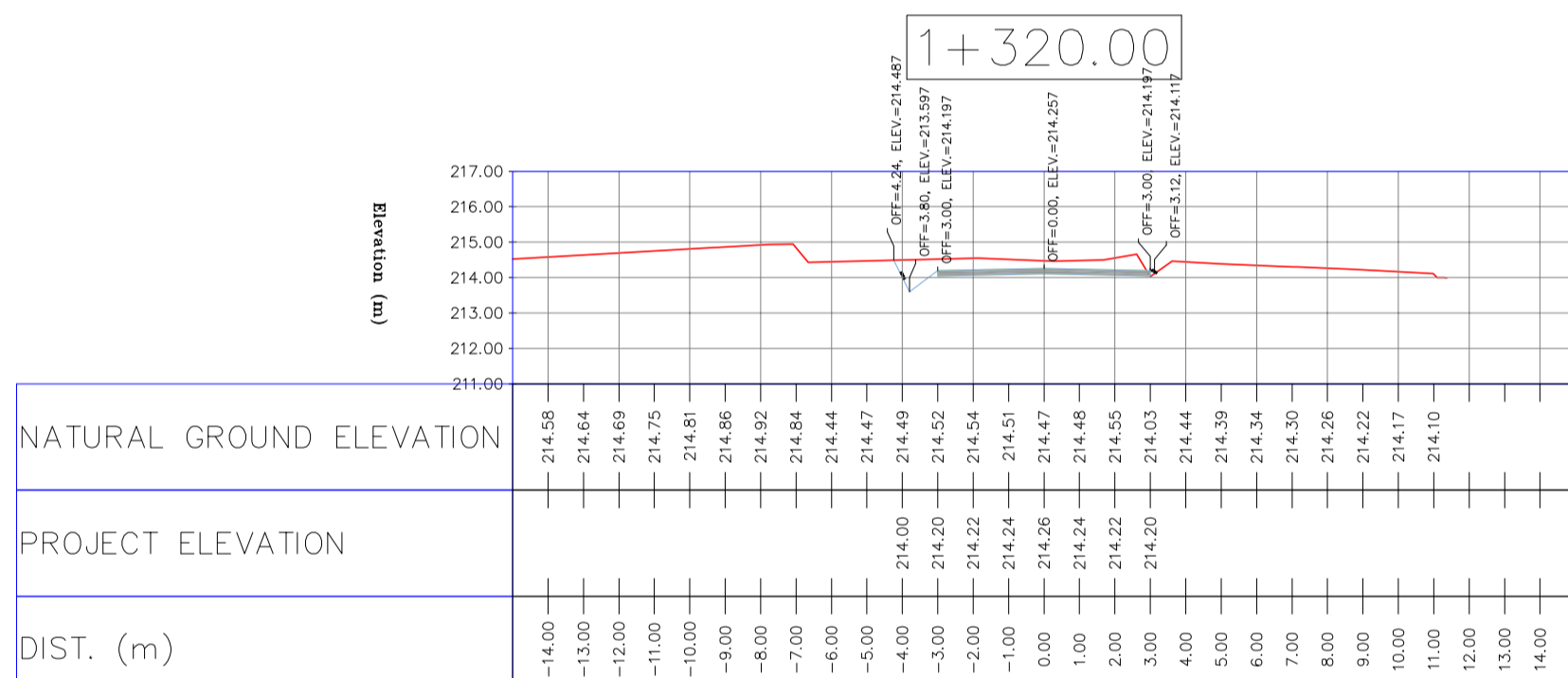
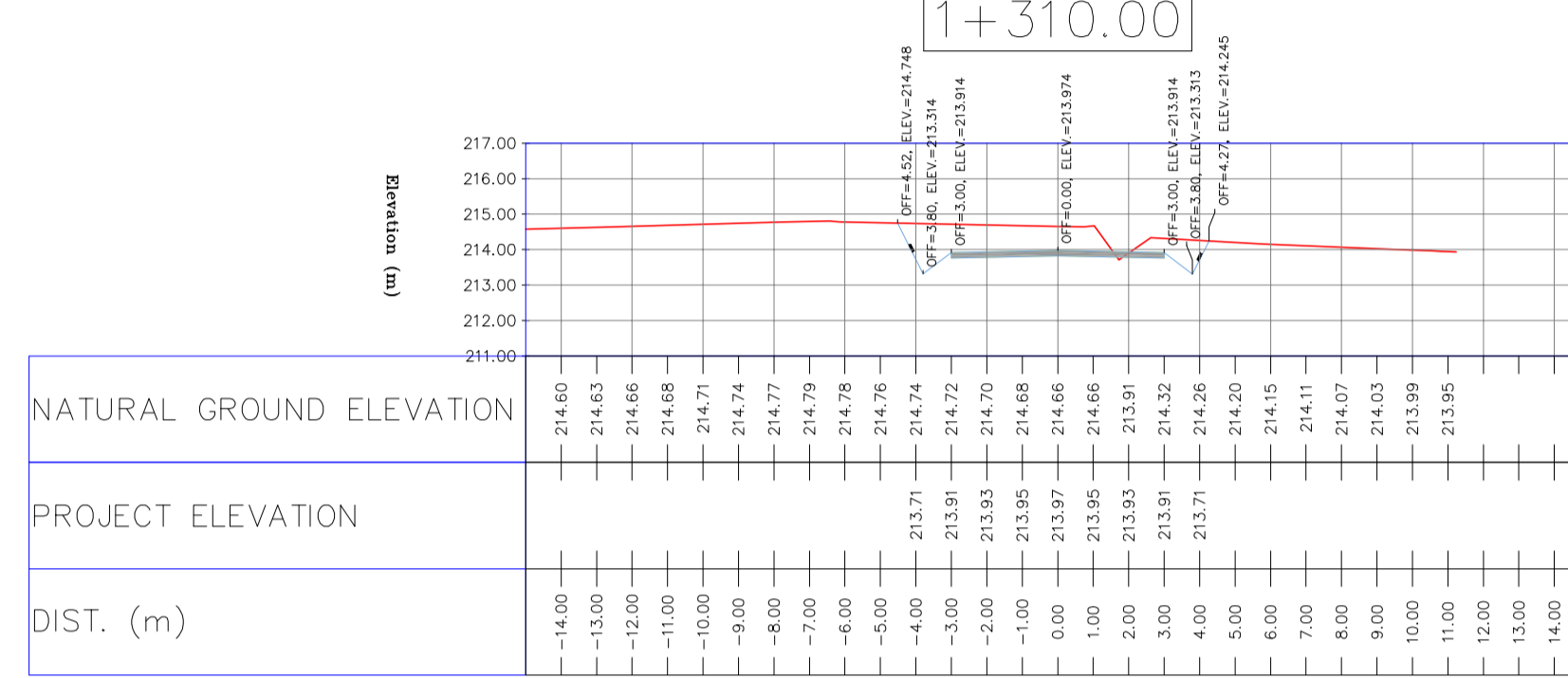
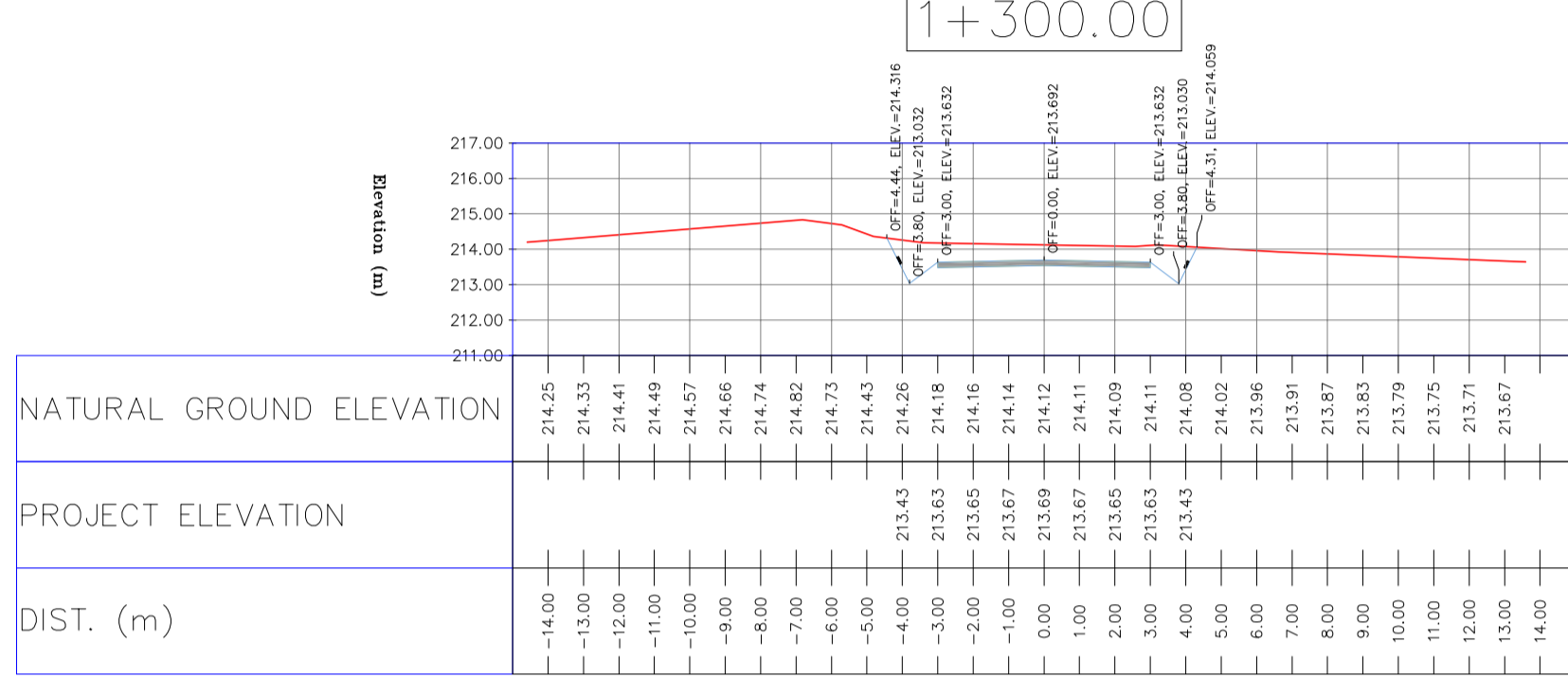
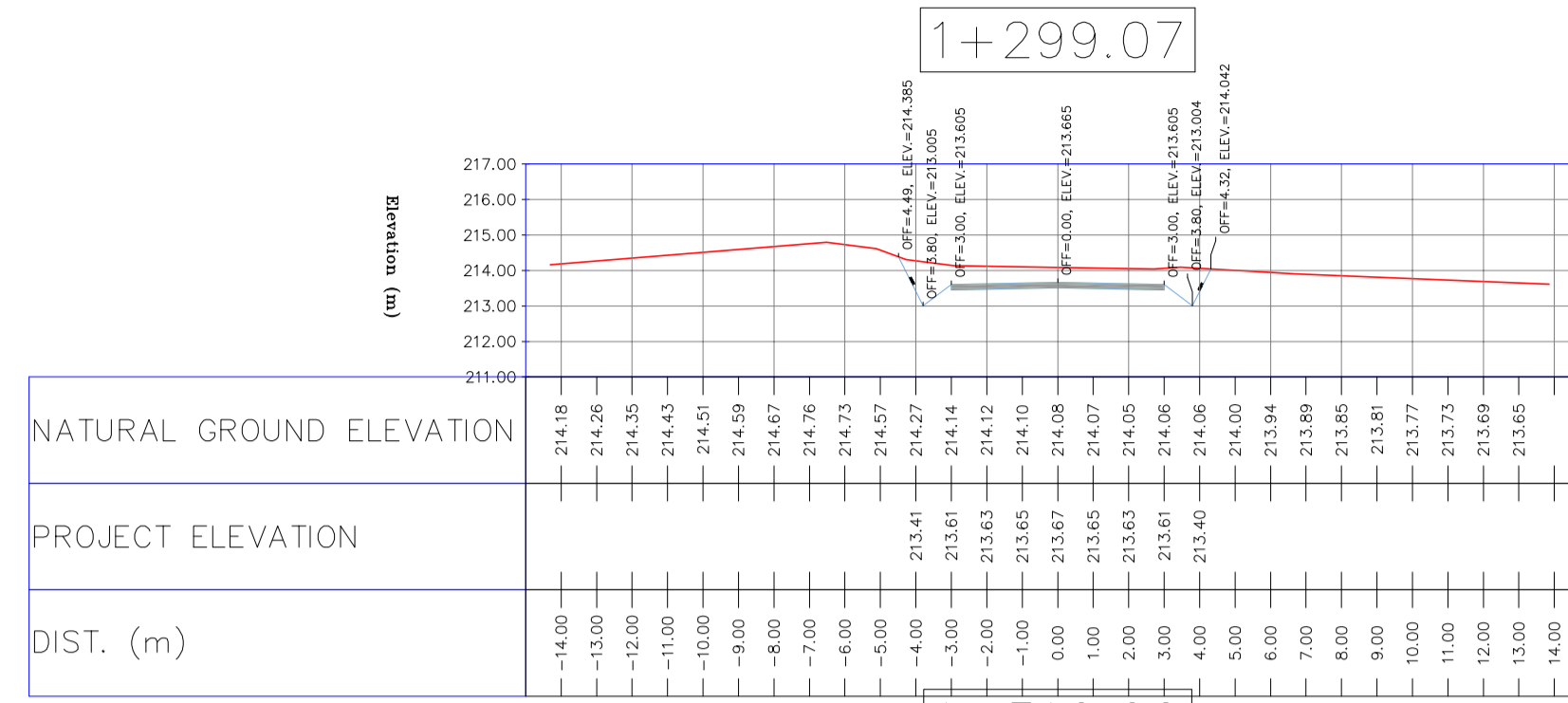
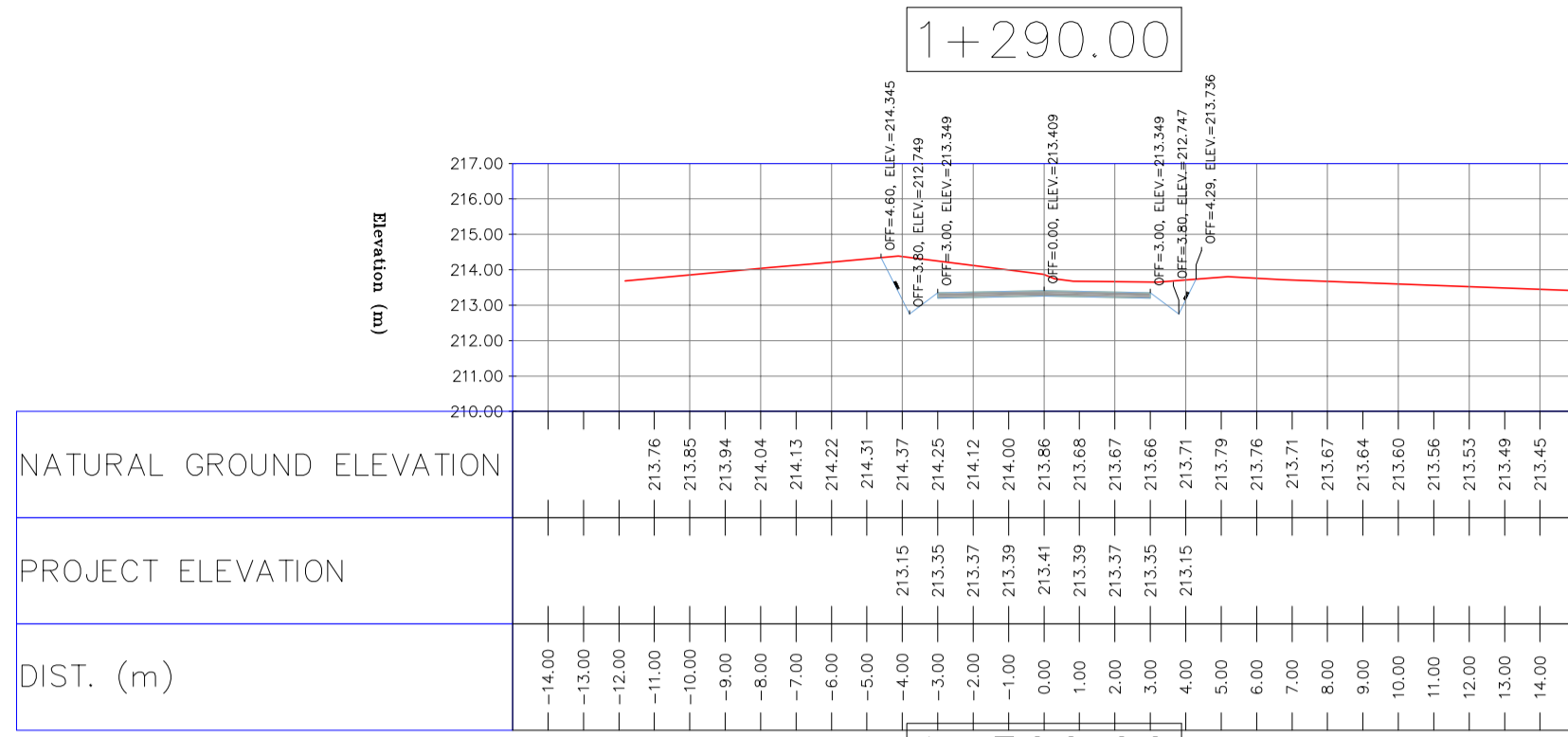
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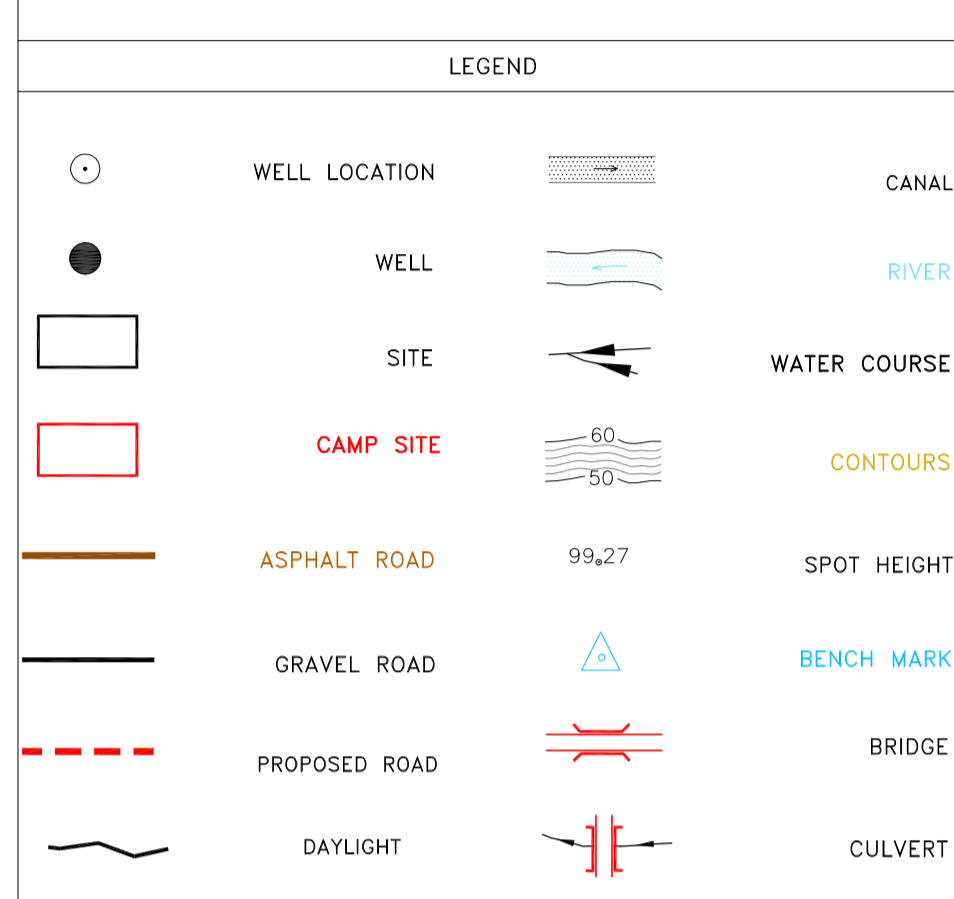
REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-000-CV-SP-000





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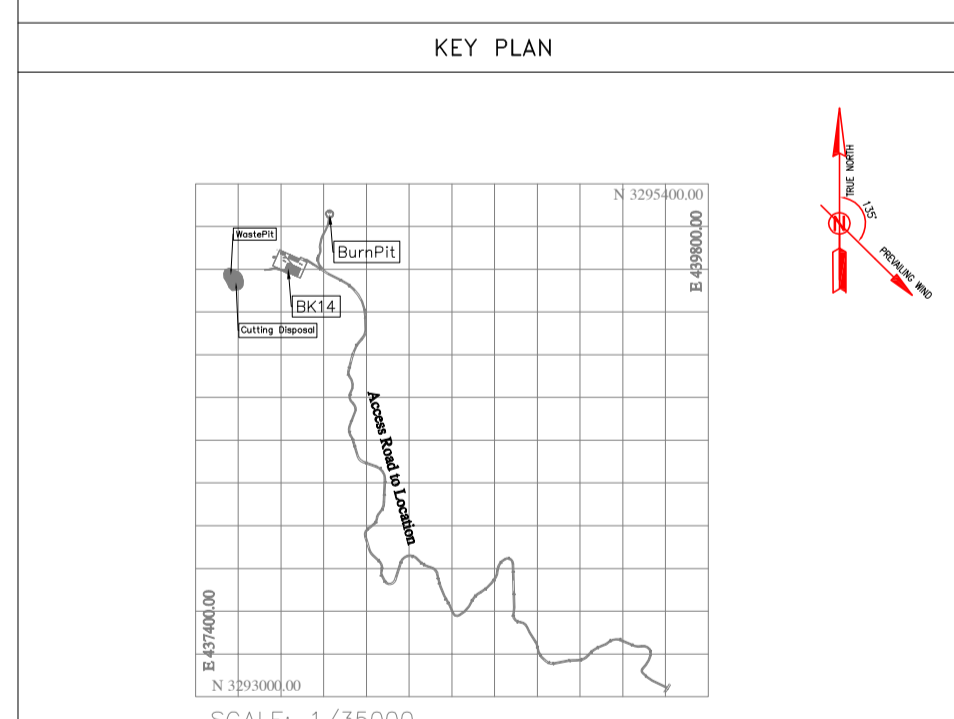
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VERTICAL DATUM: MSL
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DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
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REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
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	DESCRIPTION	BY	DATE	BY	DATE
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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

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

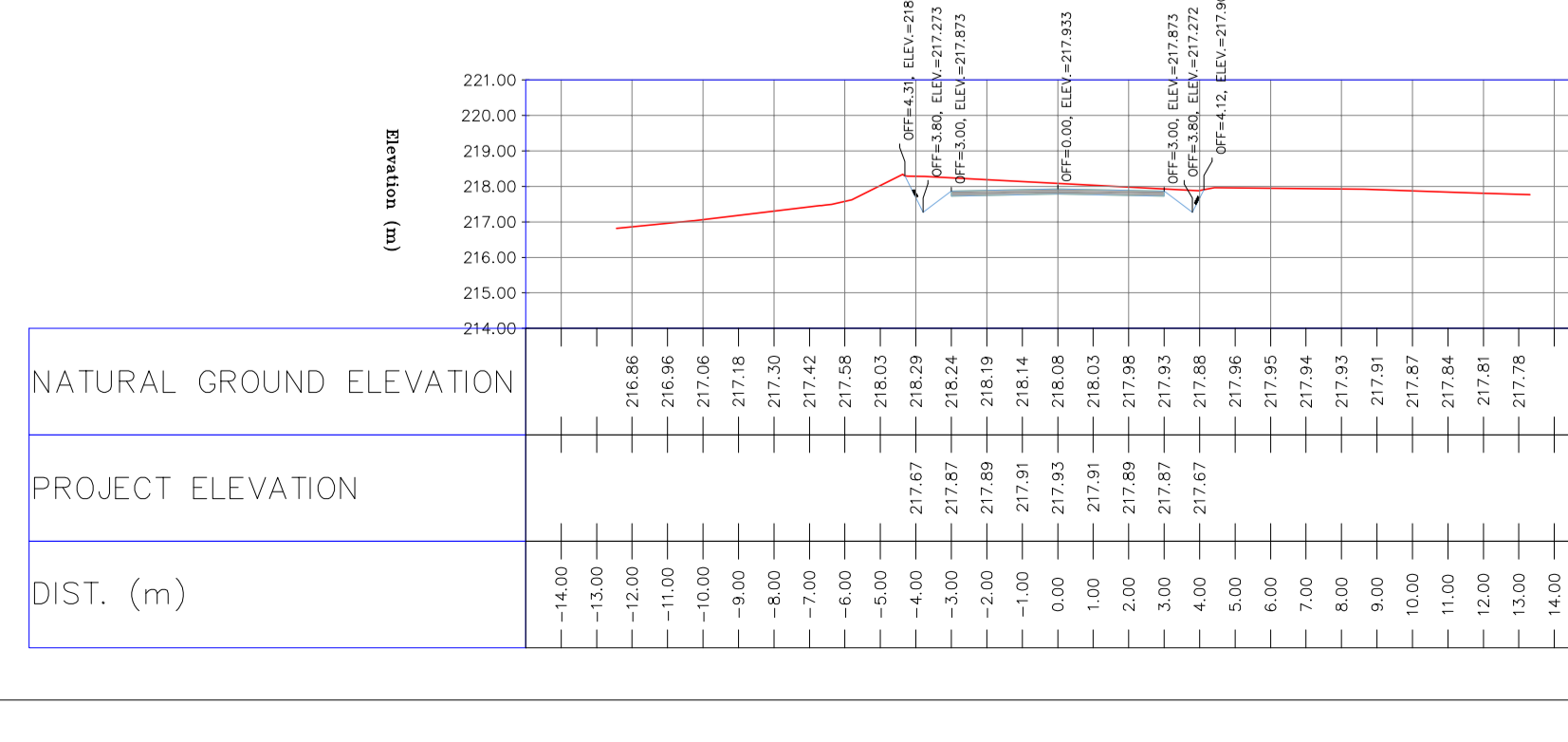
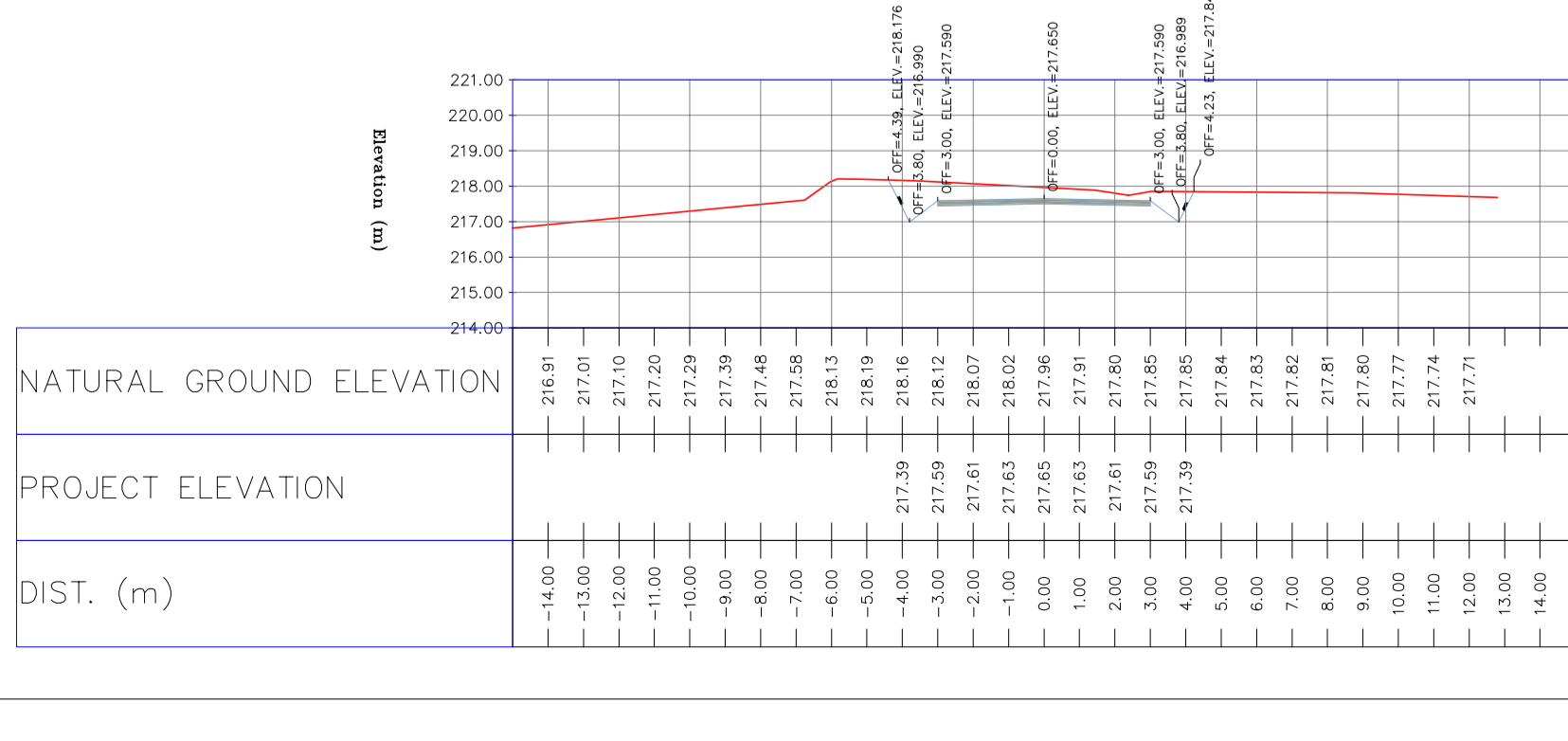
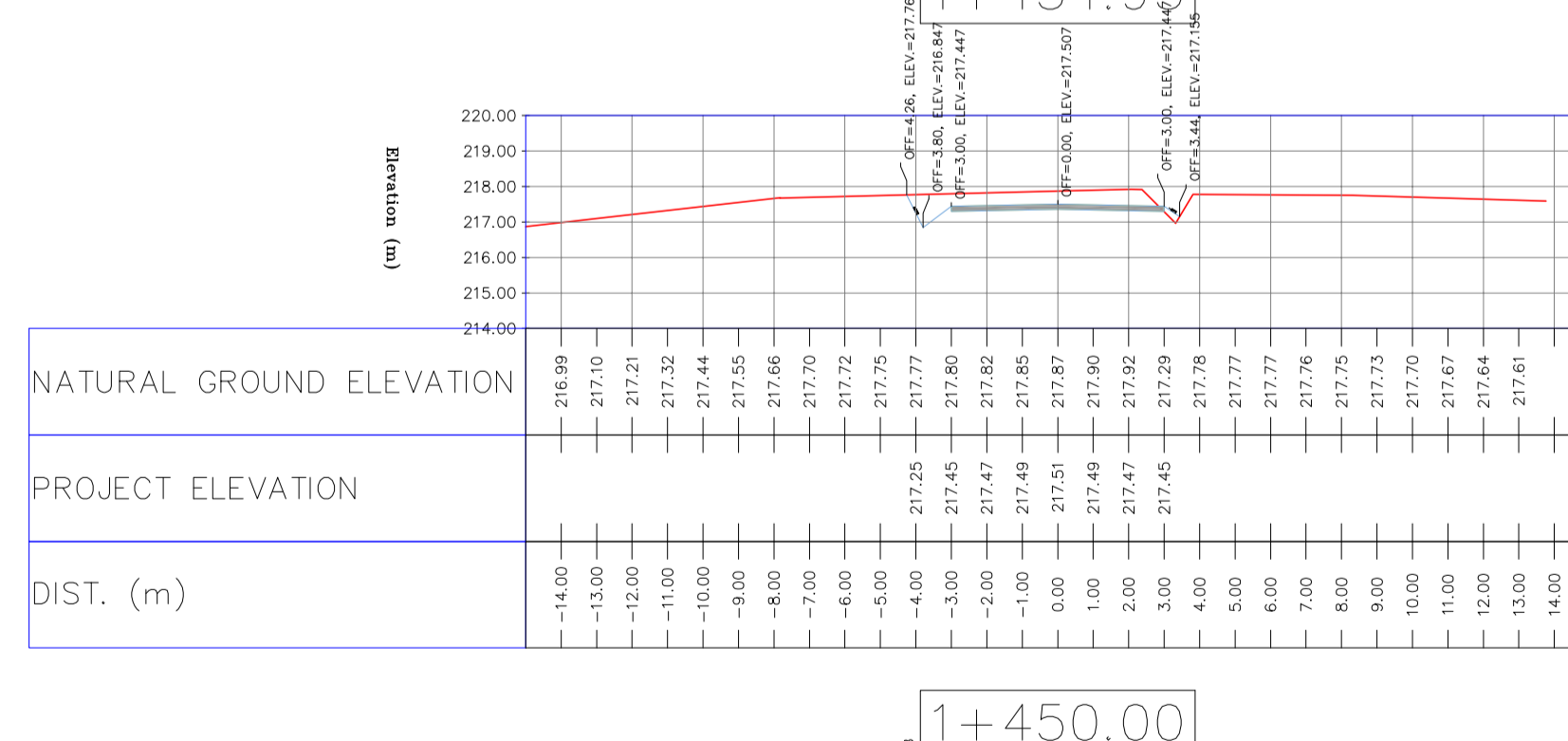
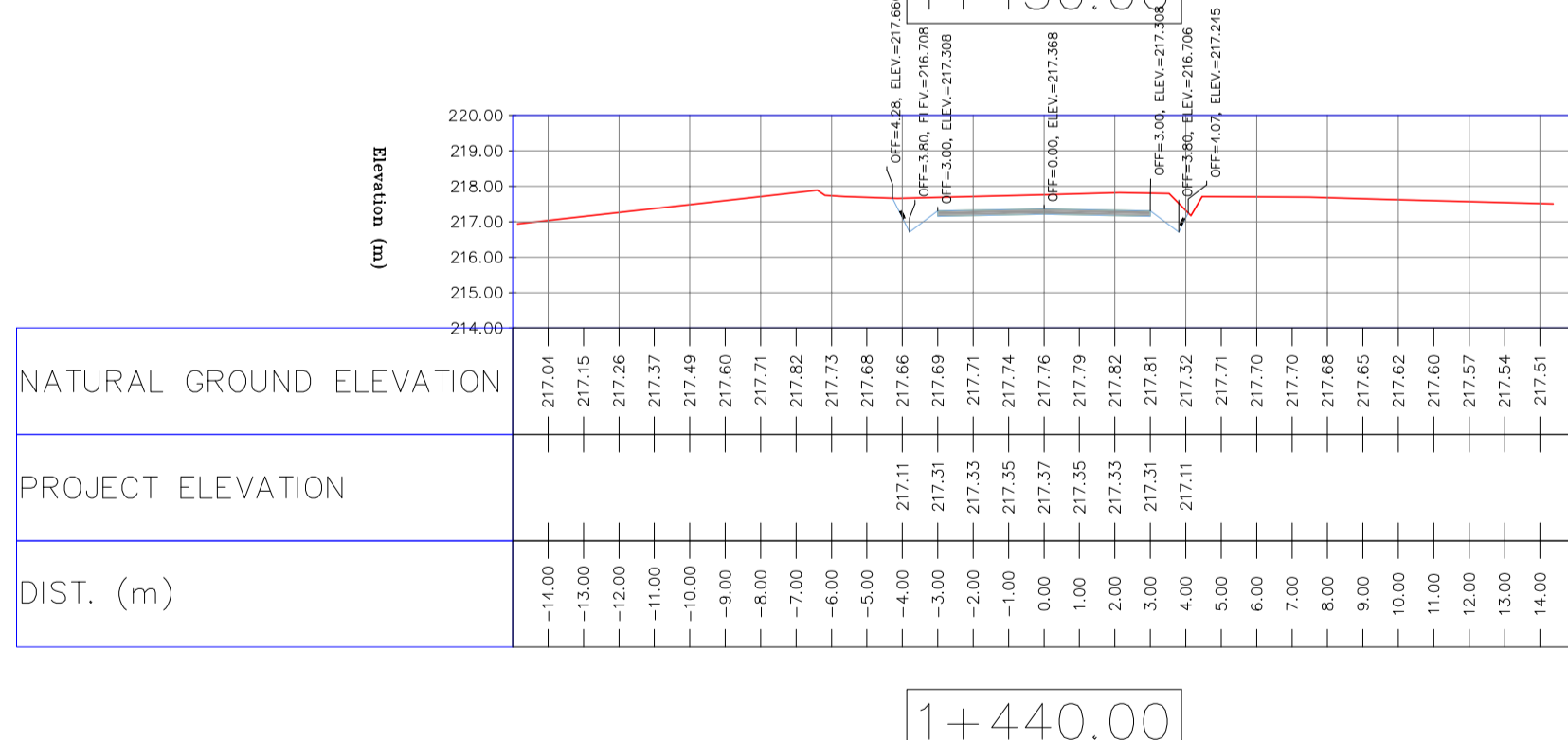
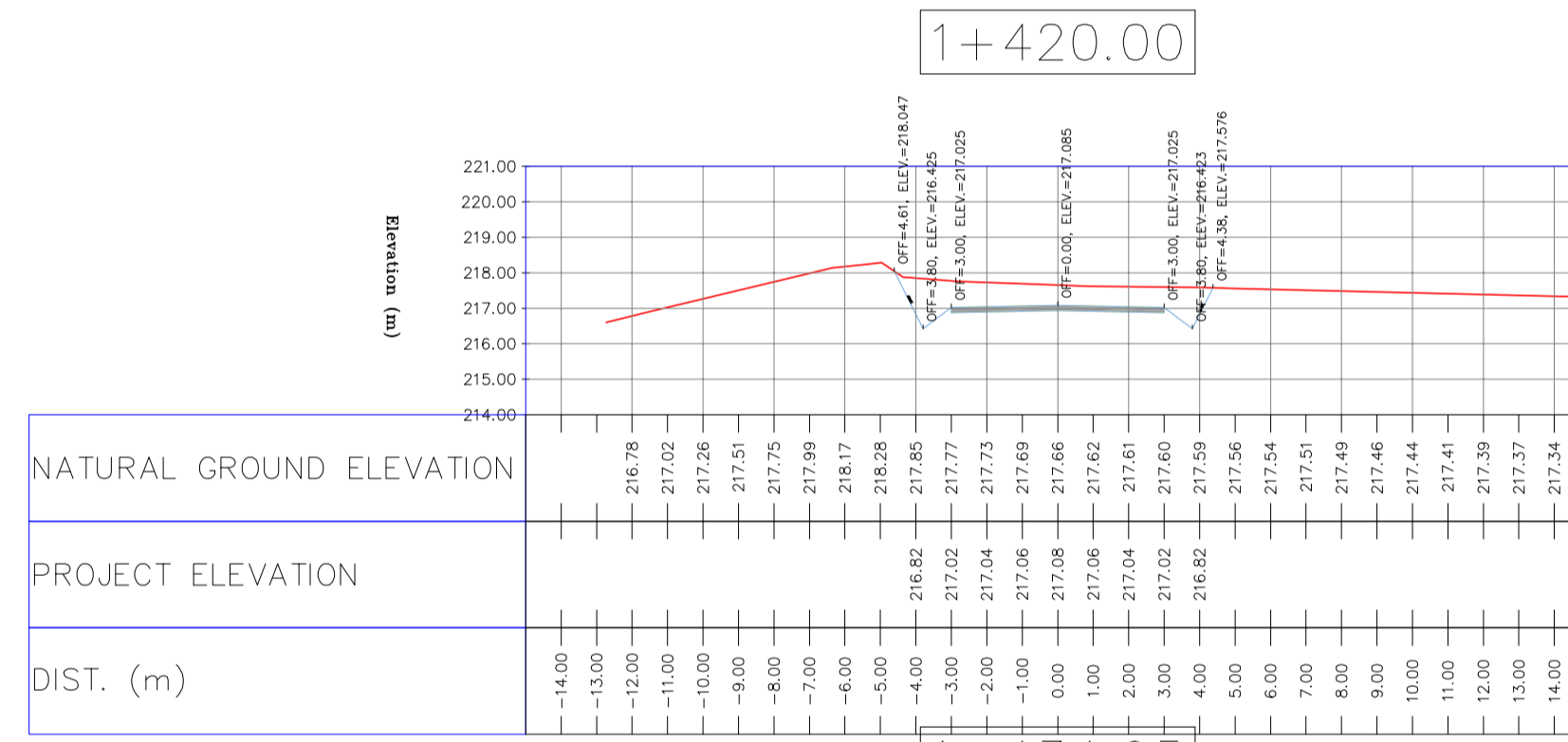
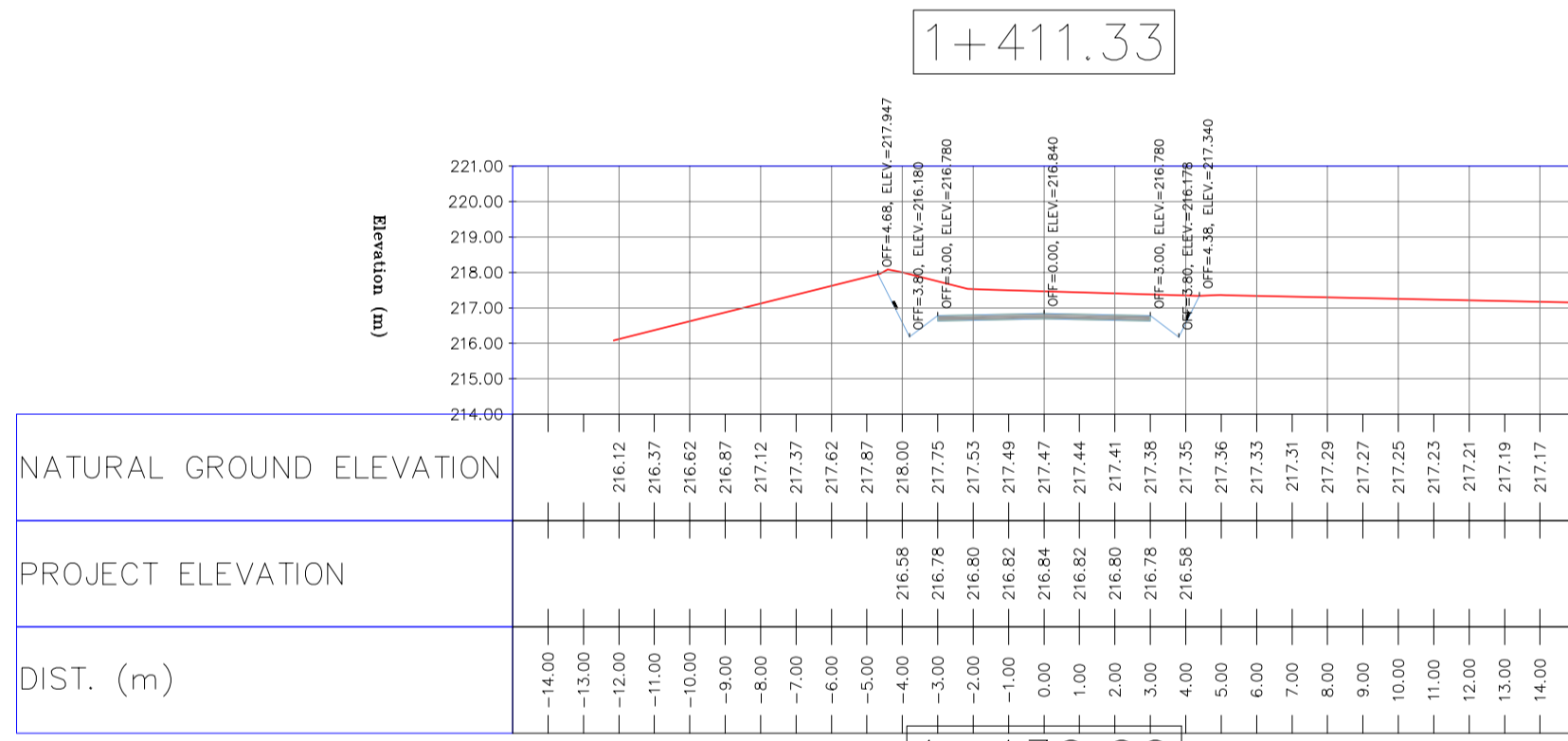
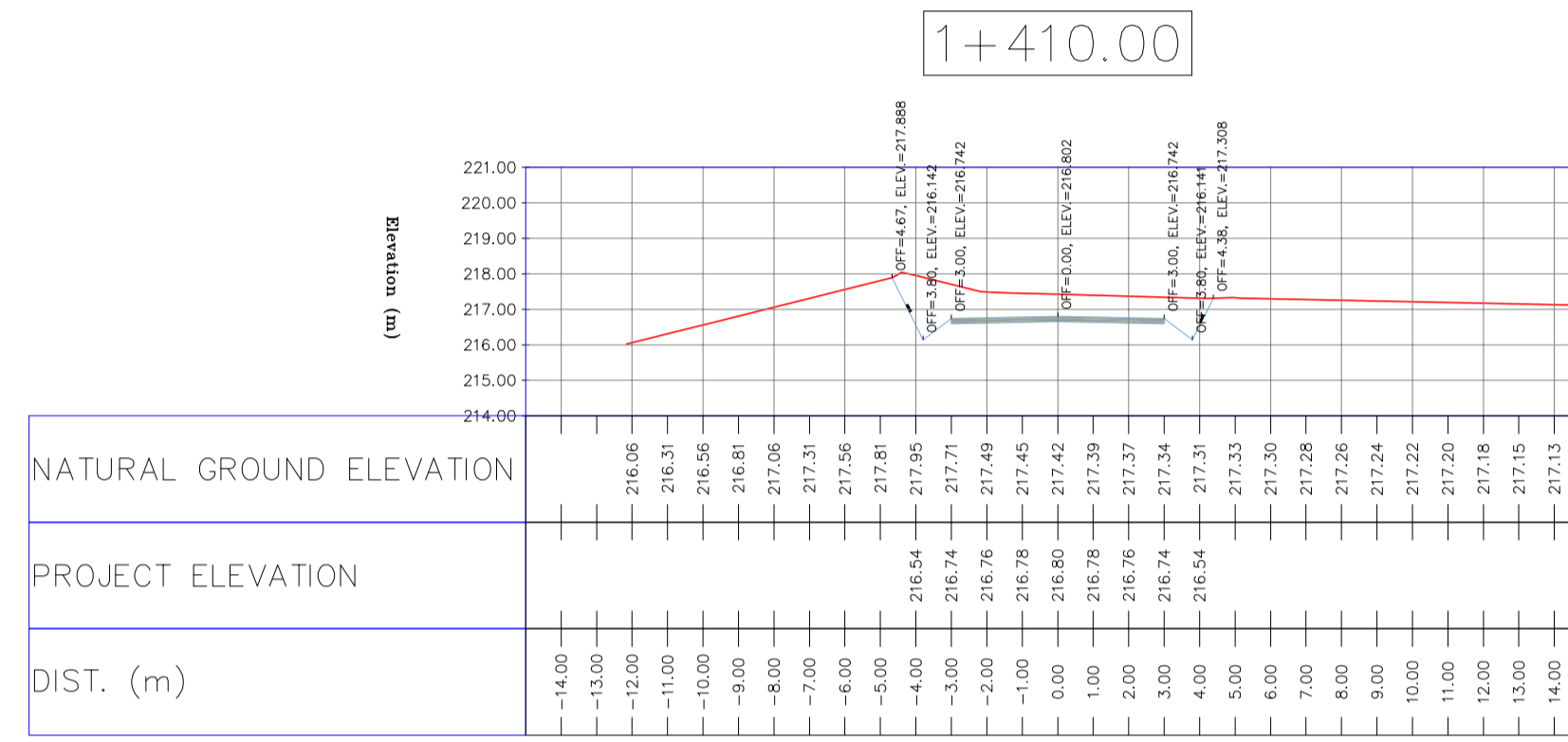
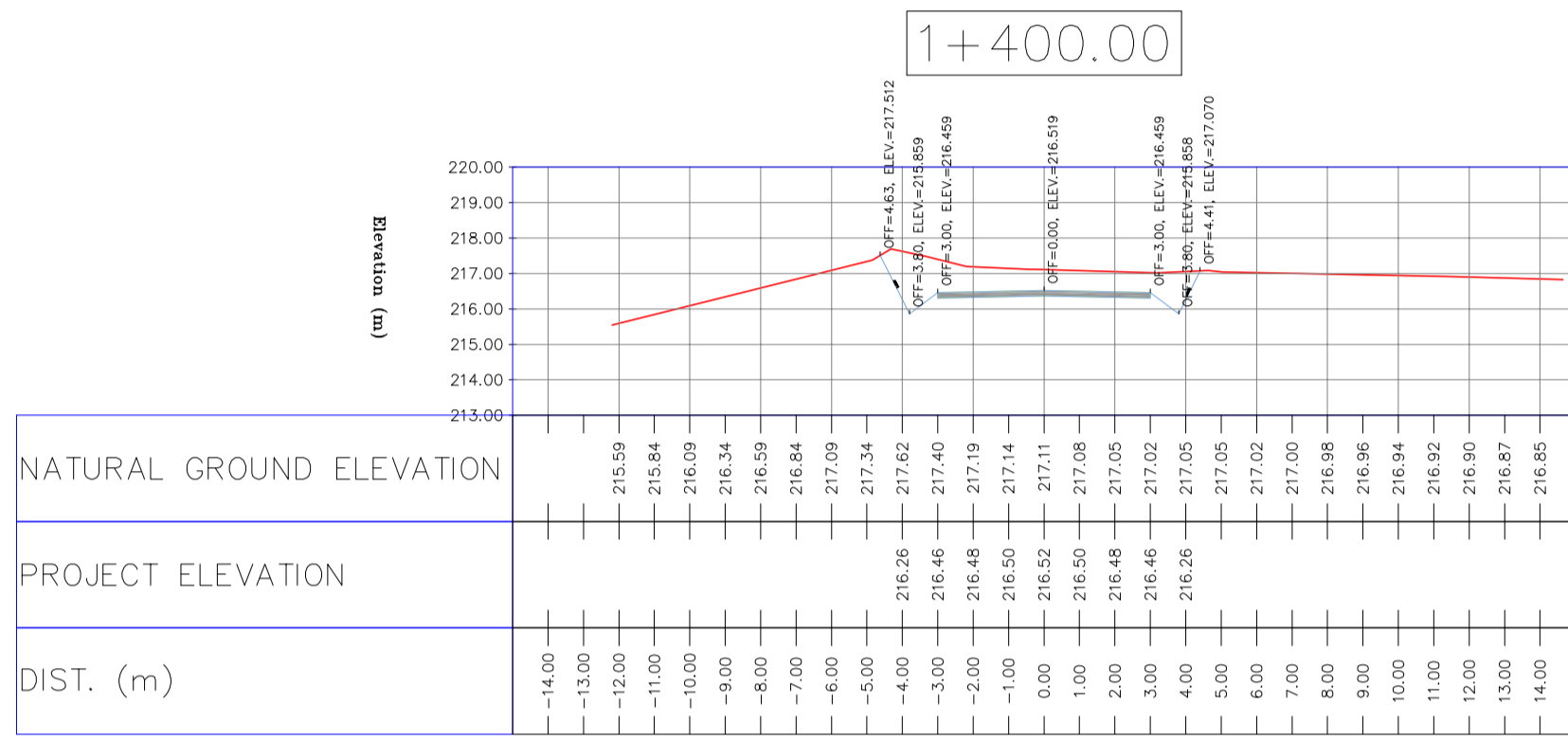
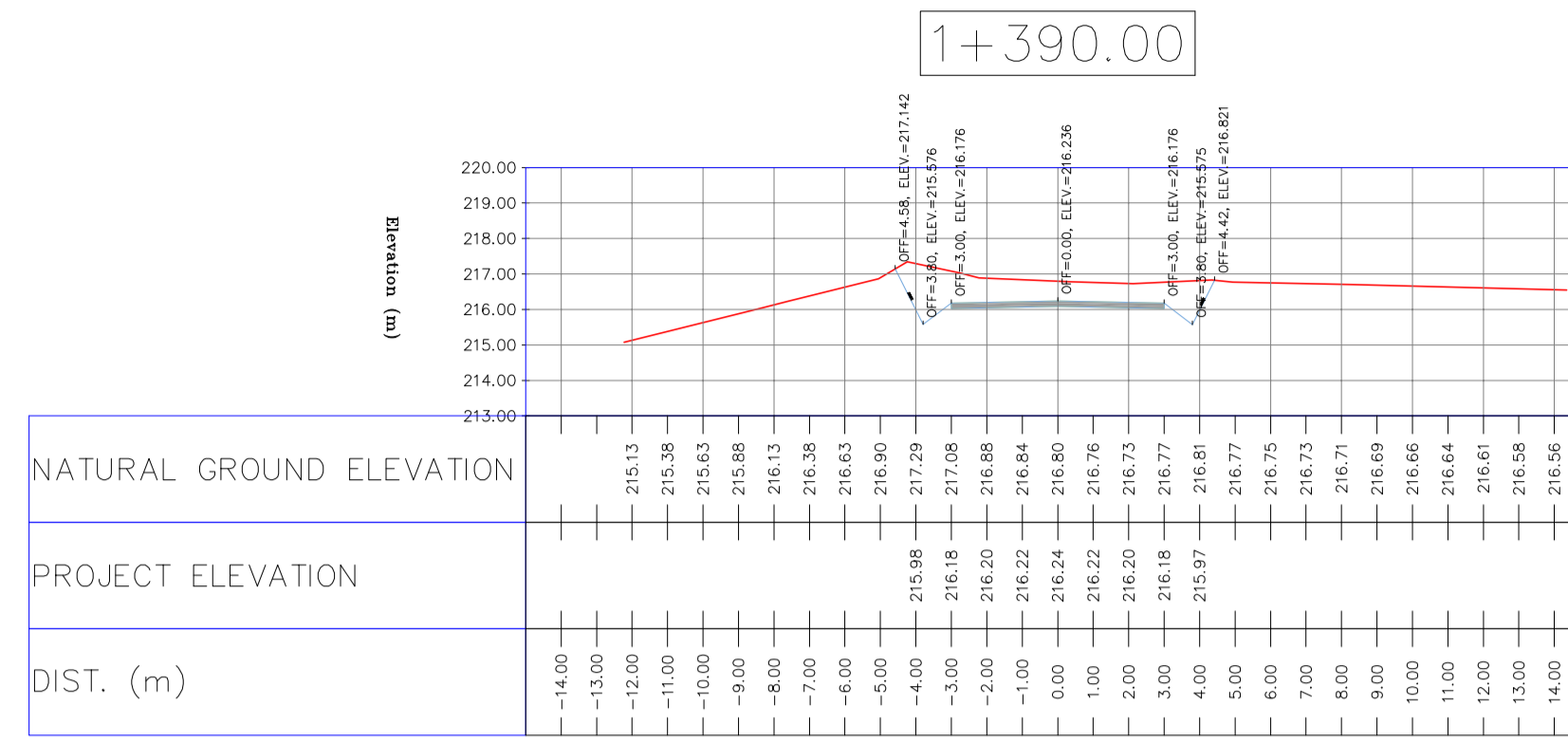
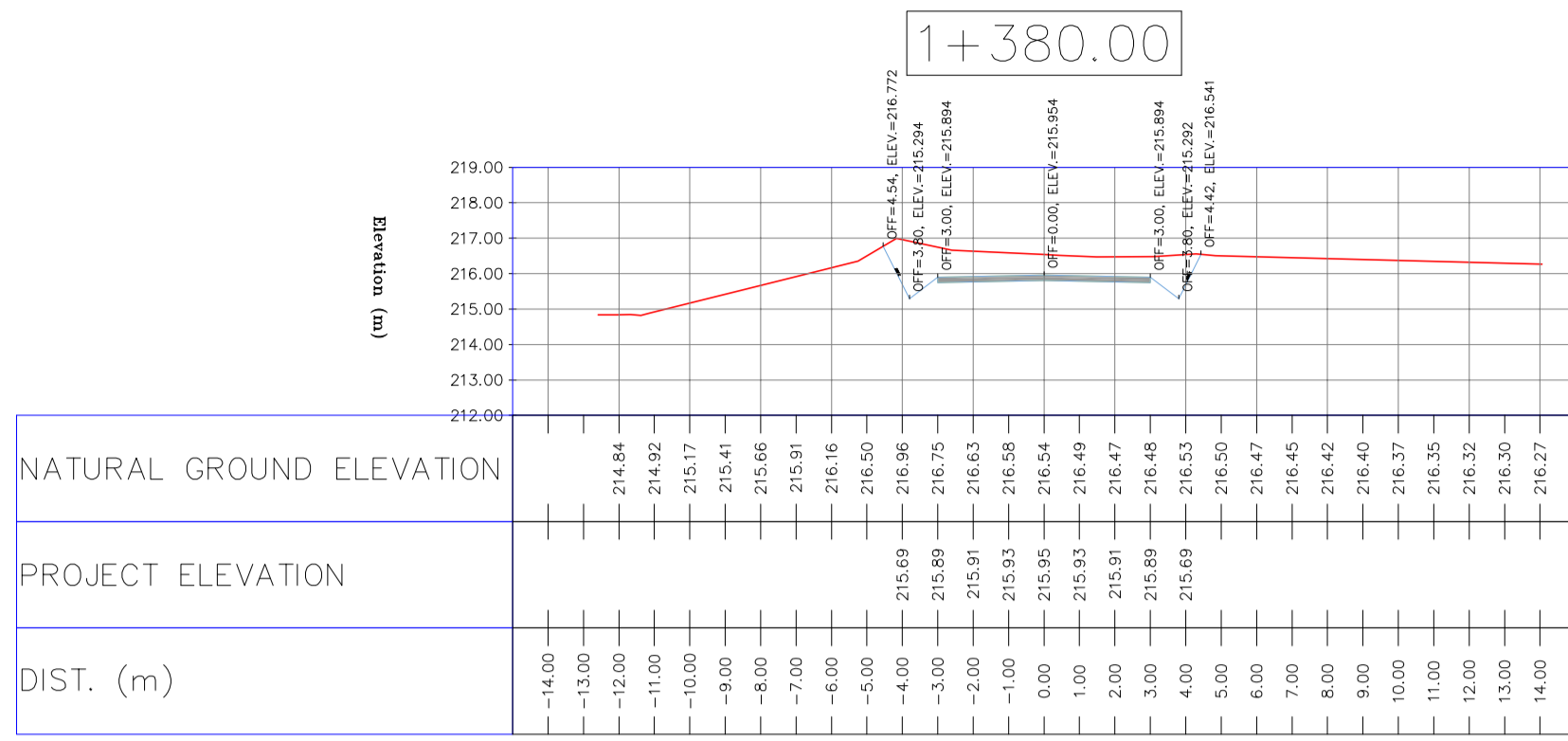
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DATE: _____ SCALE: _____ DRAWING BY: _____ CHECKED BY: _____ PROJECT ENG: _____

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

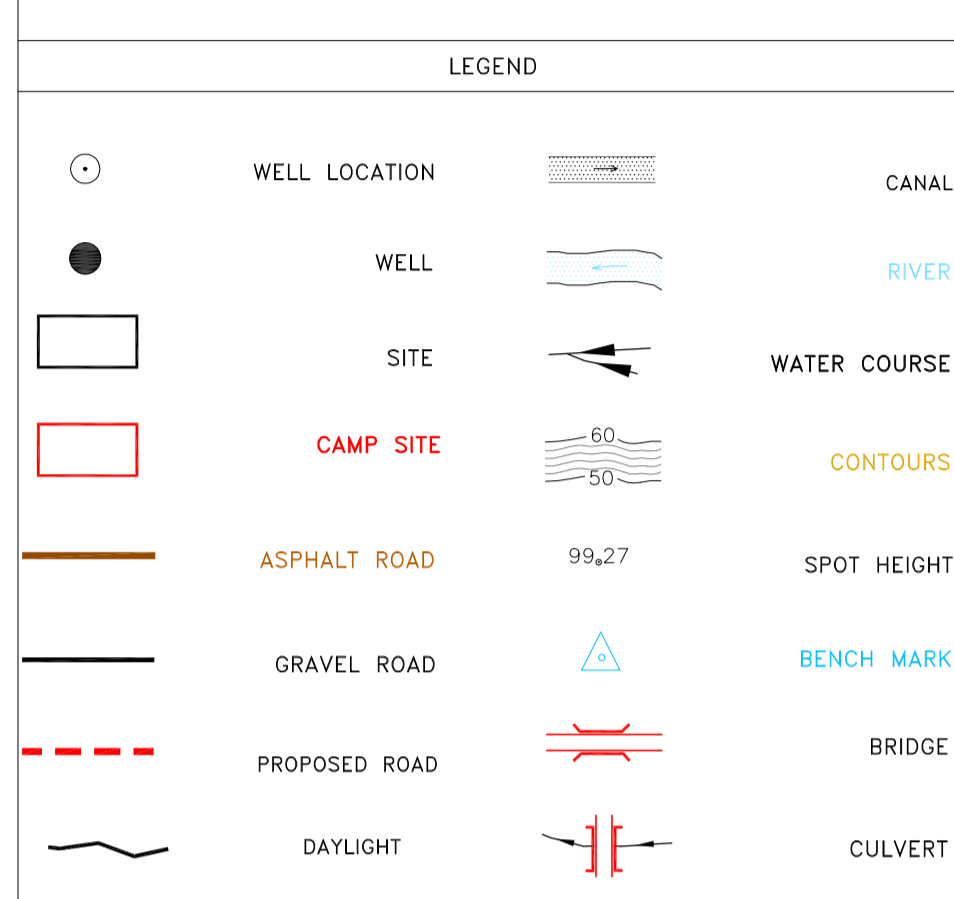
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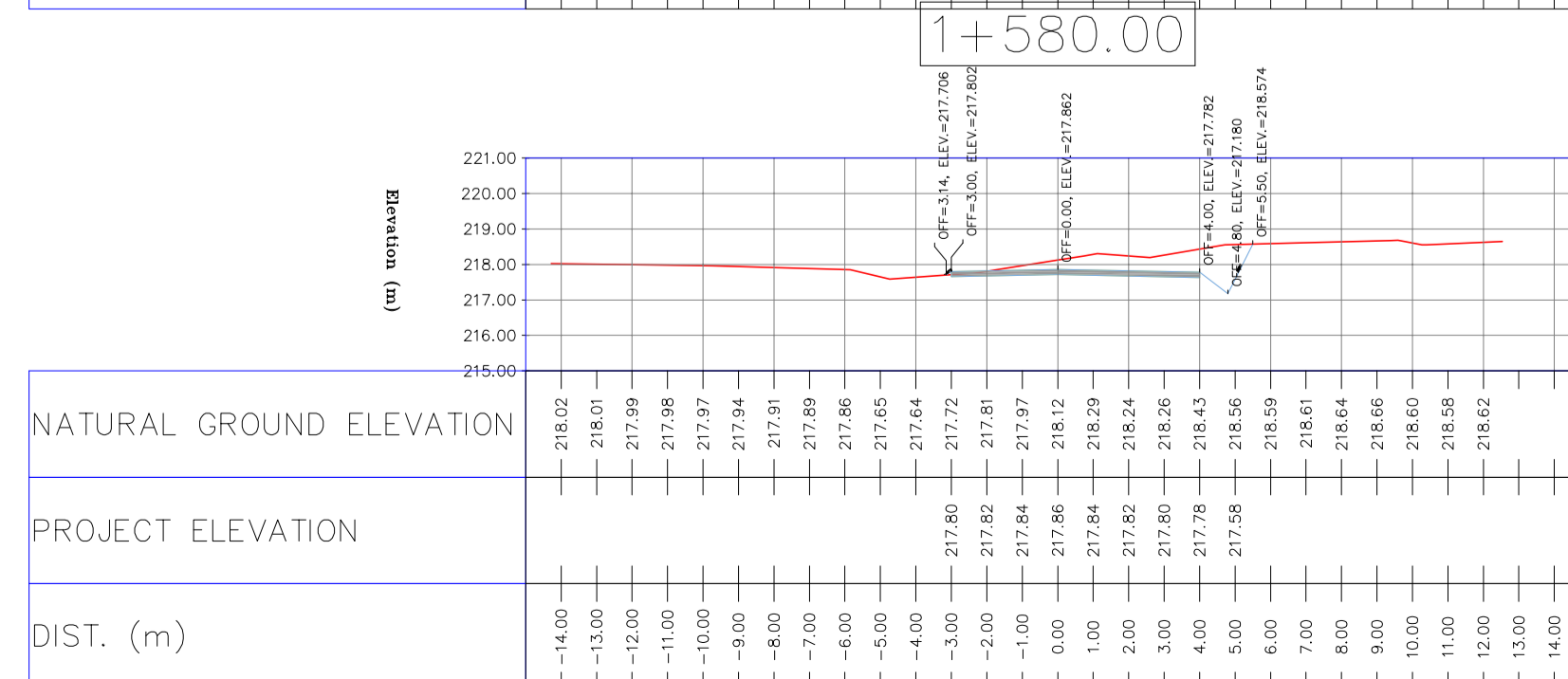
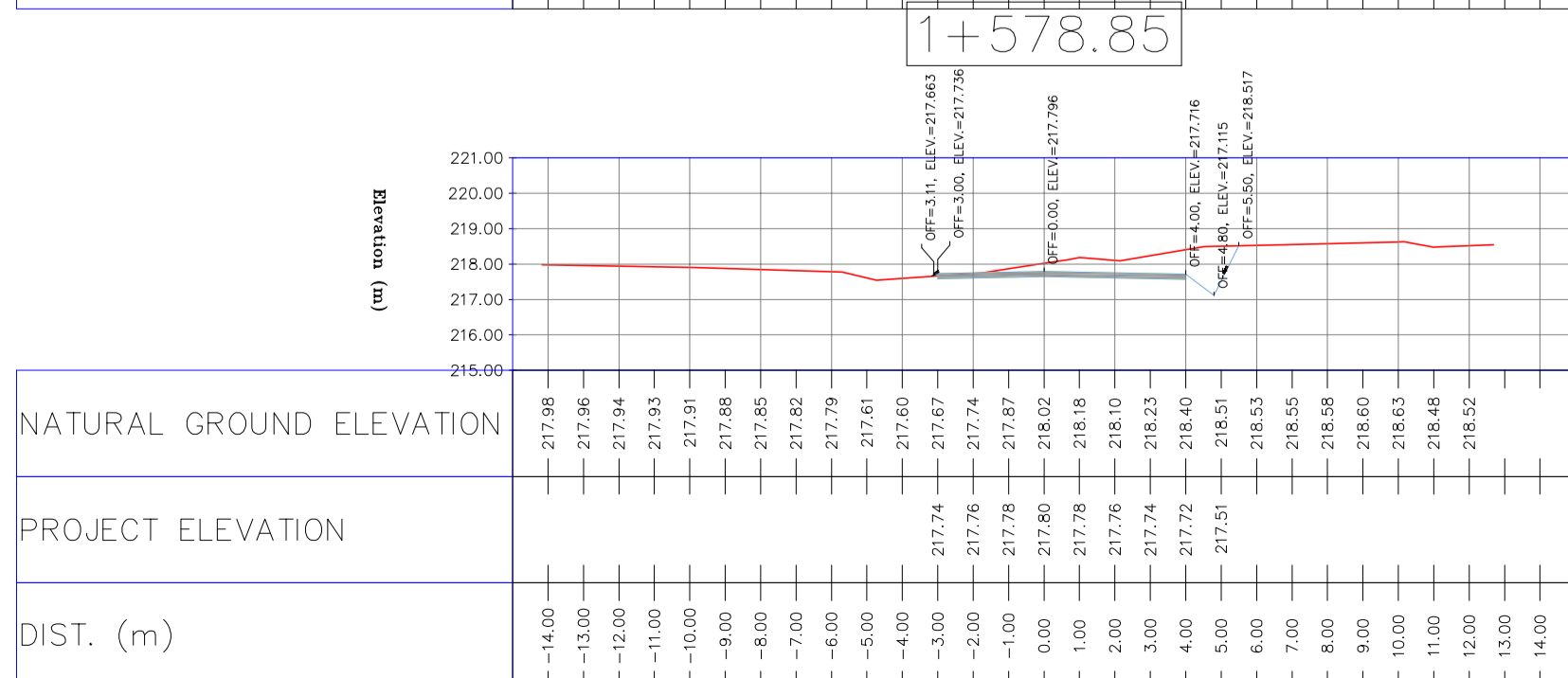
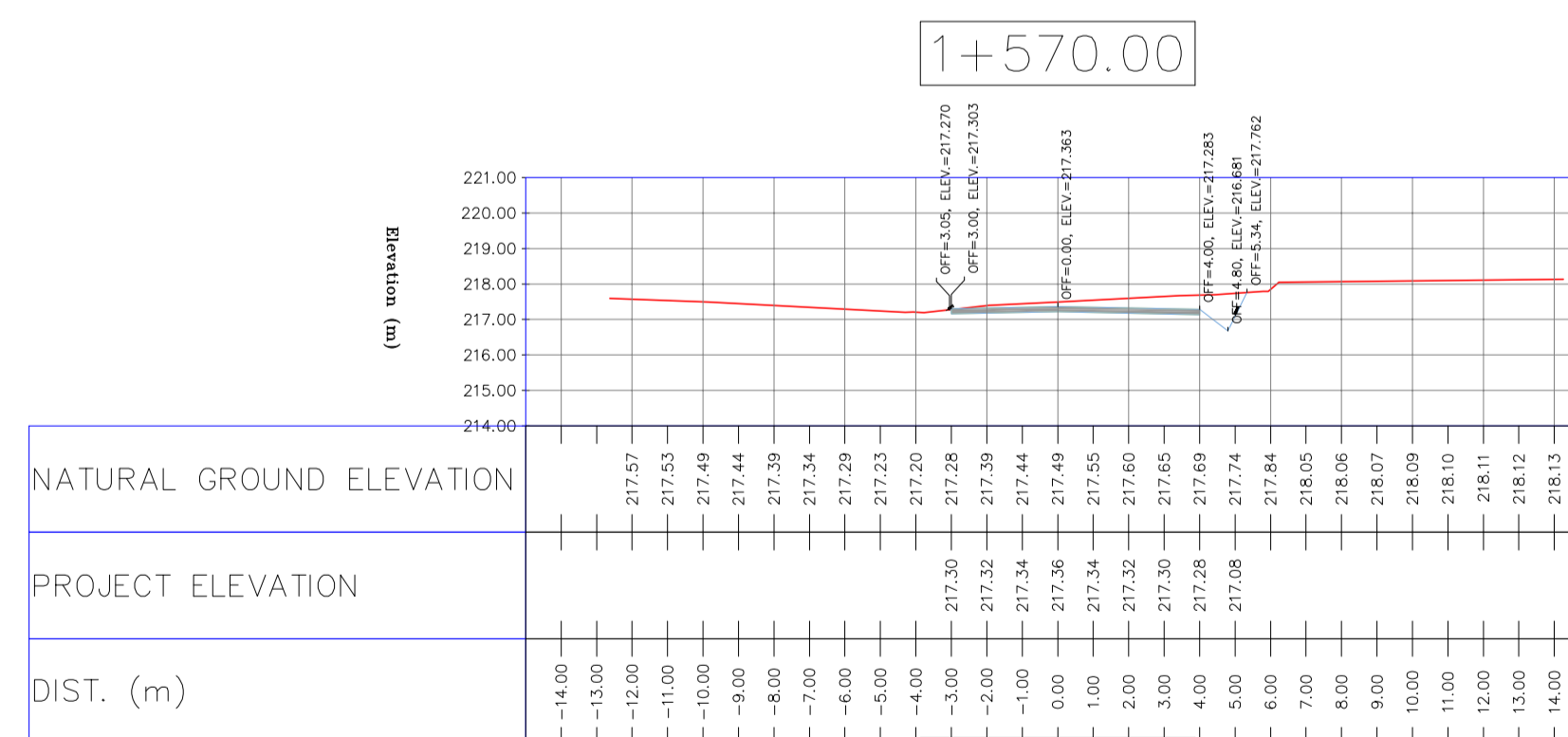
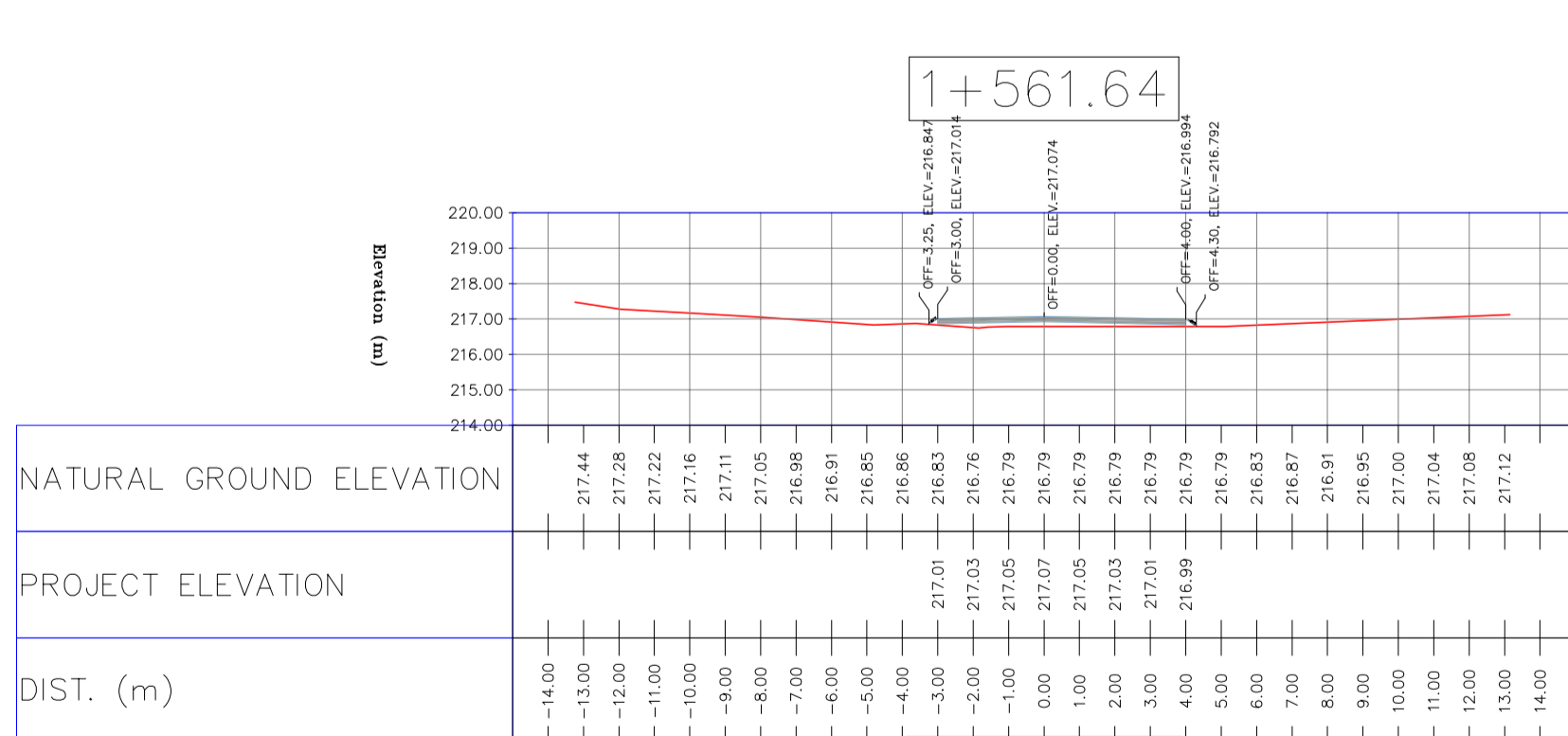
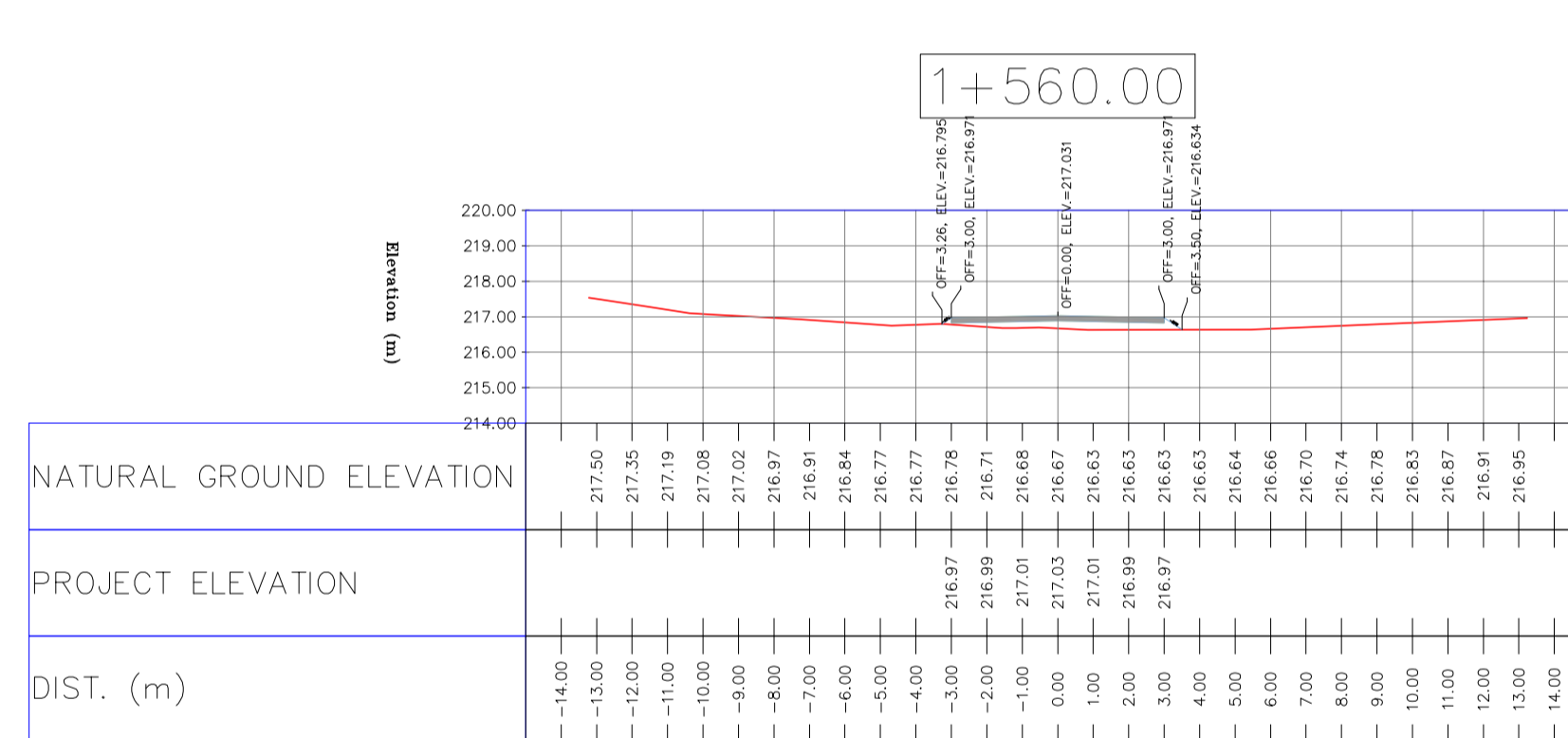
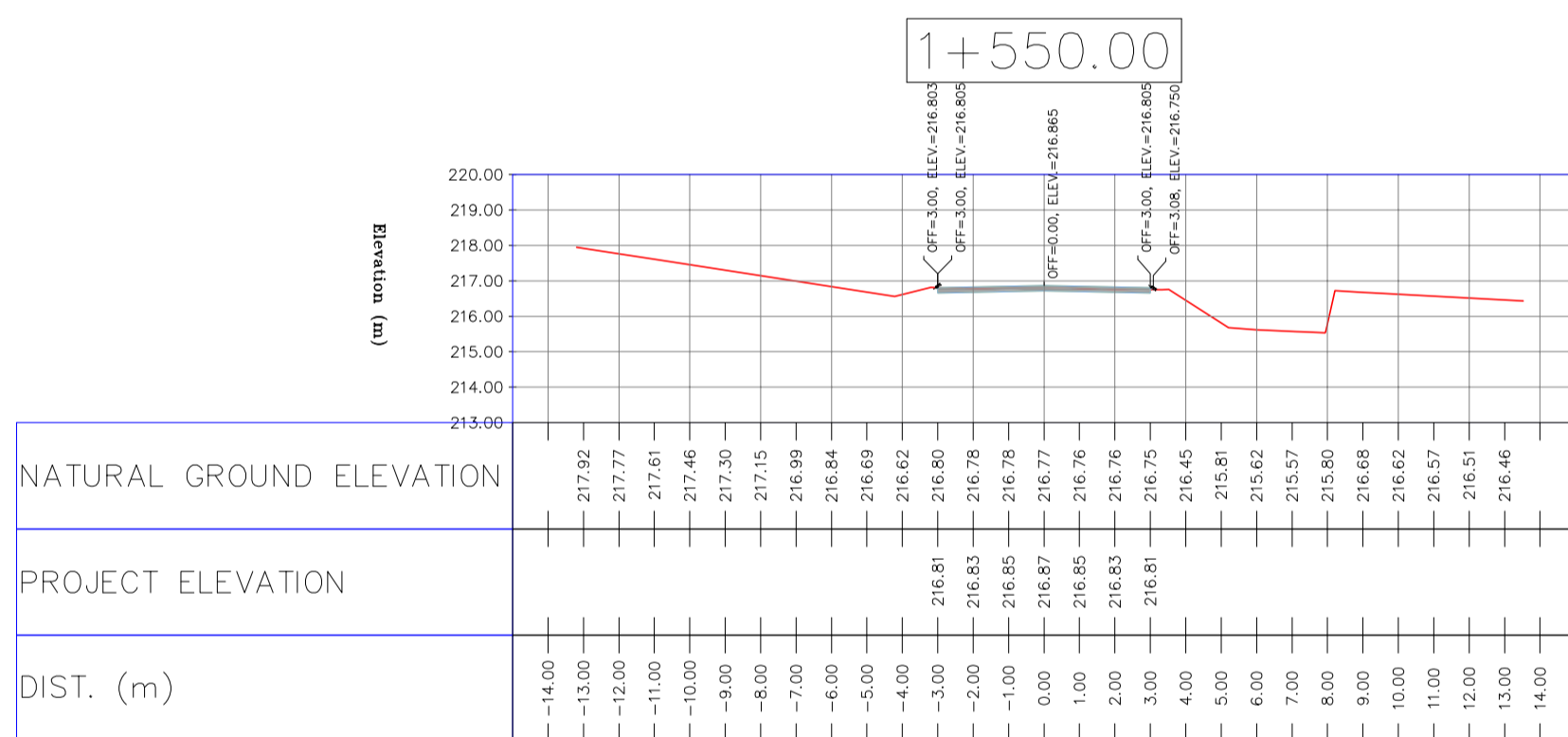
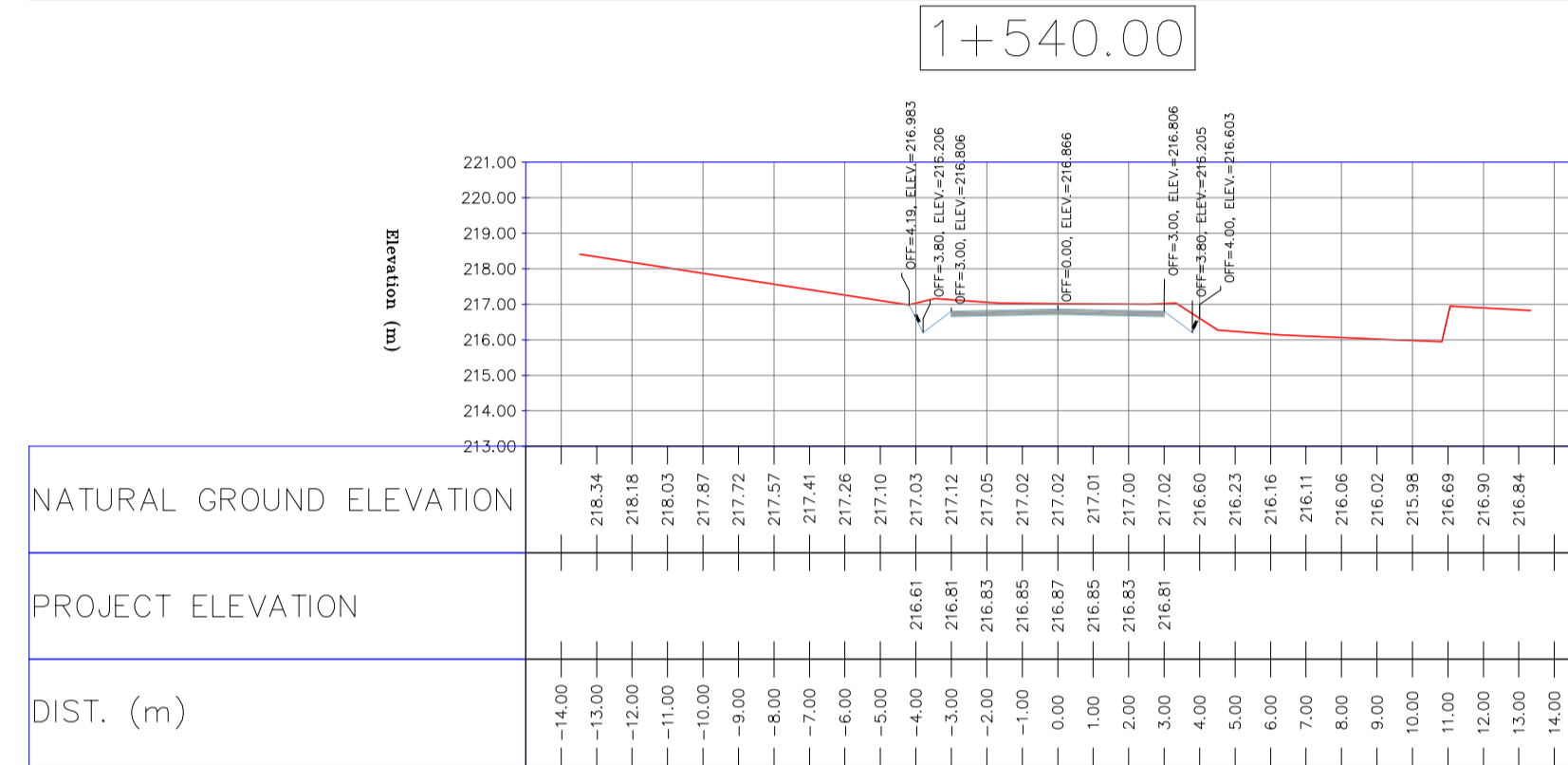
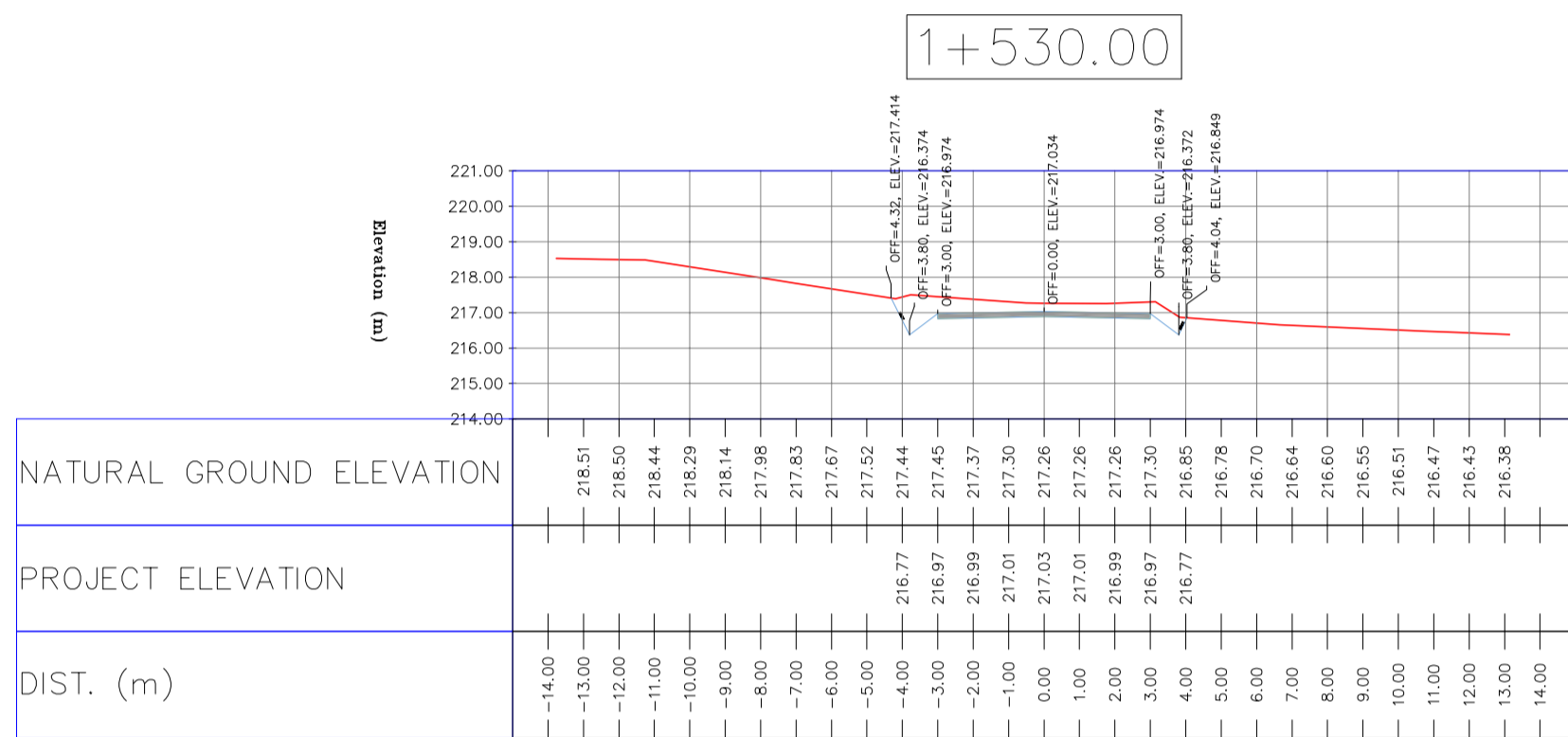
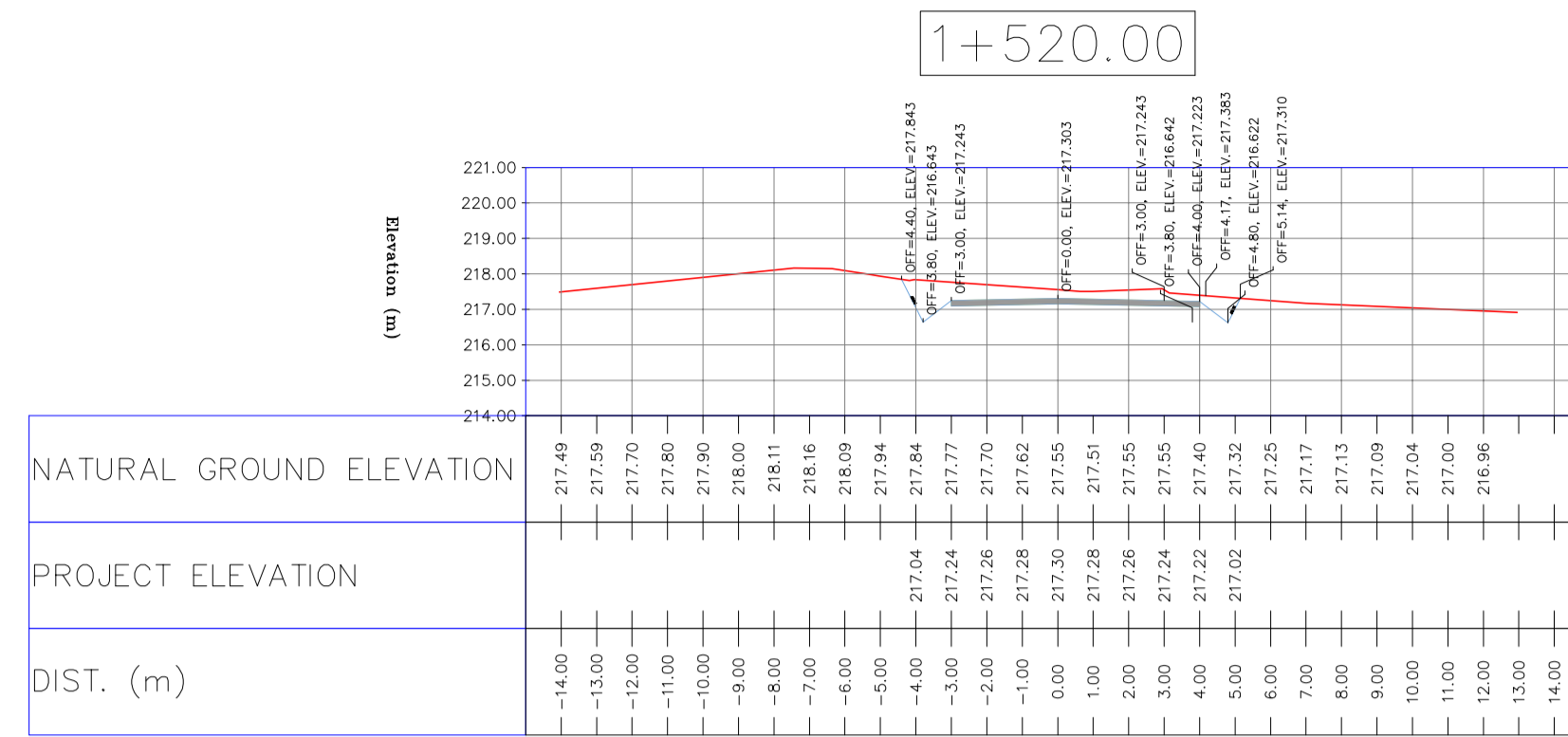
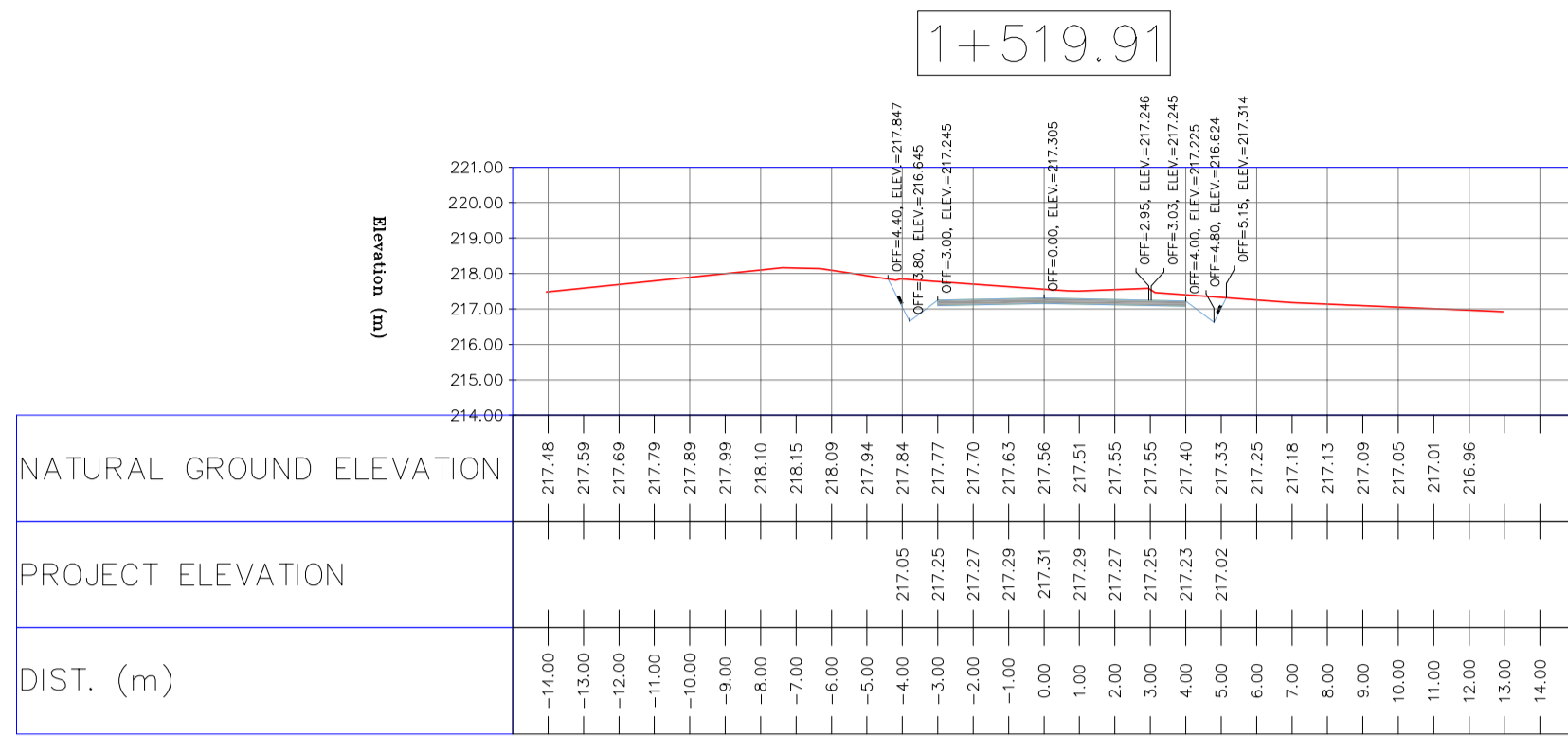
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H=											



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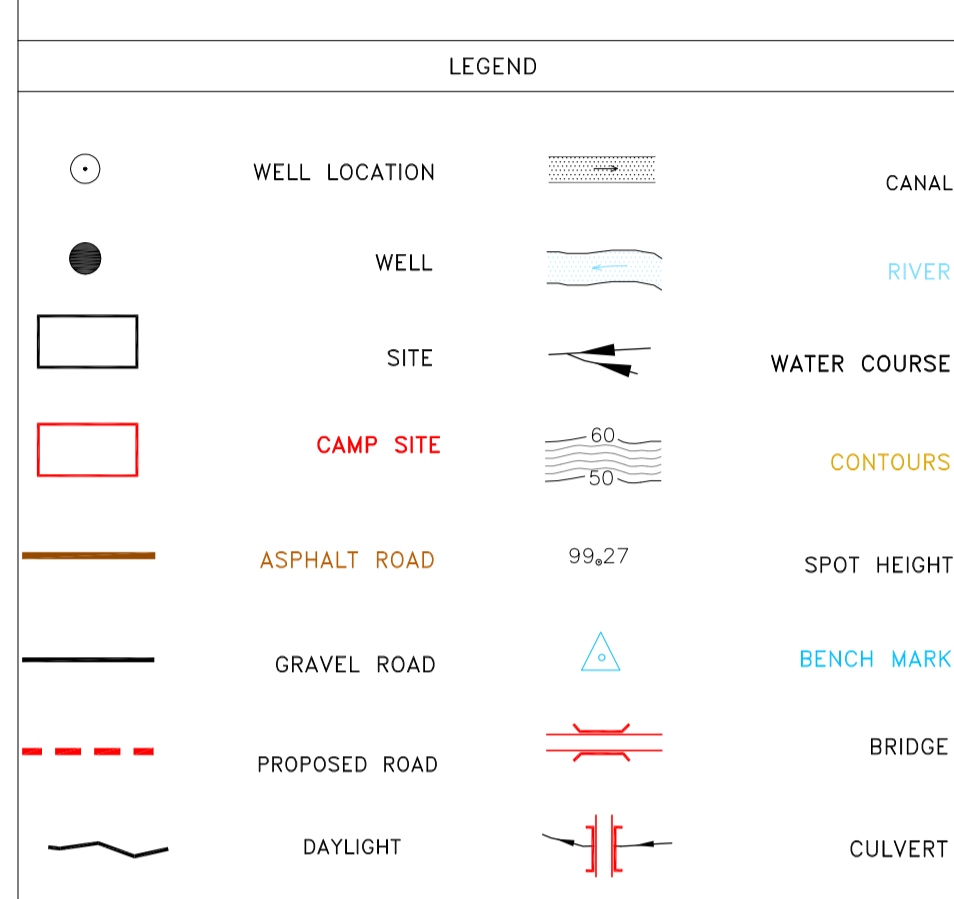
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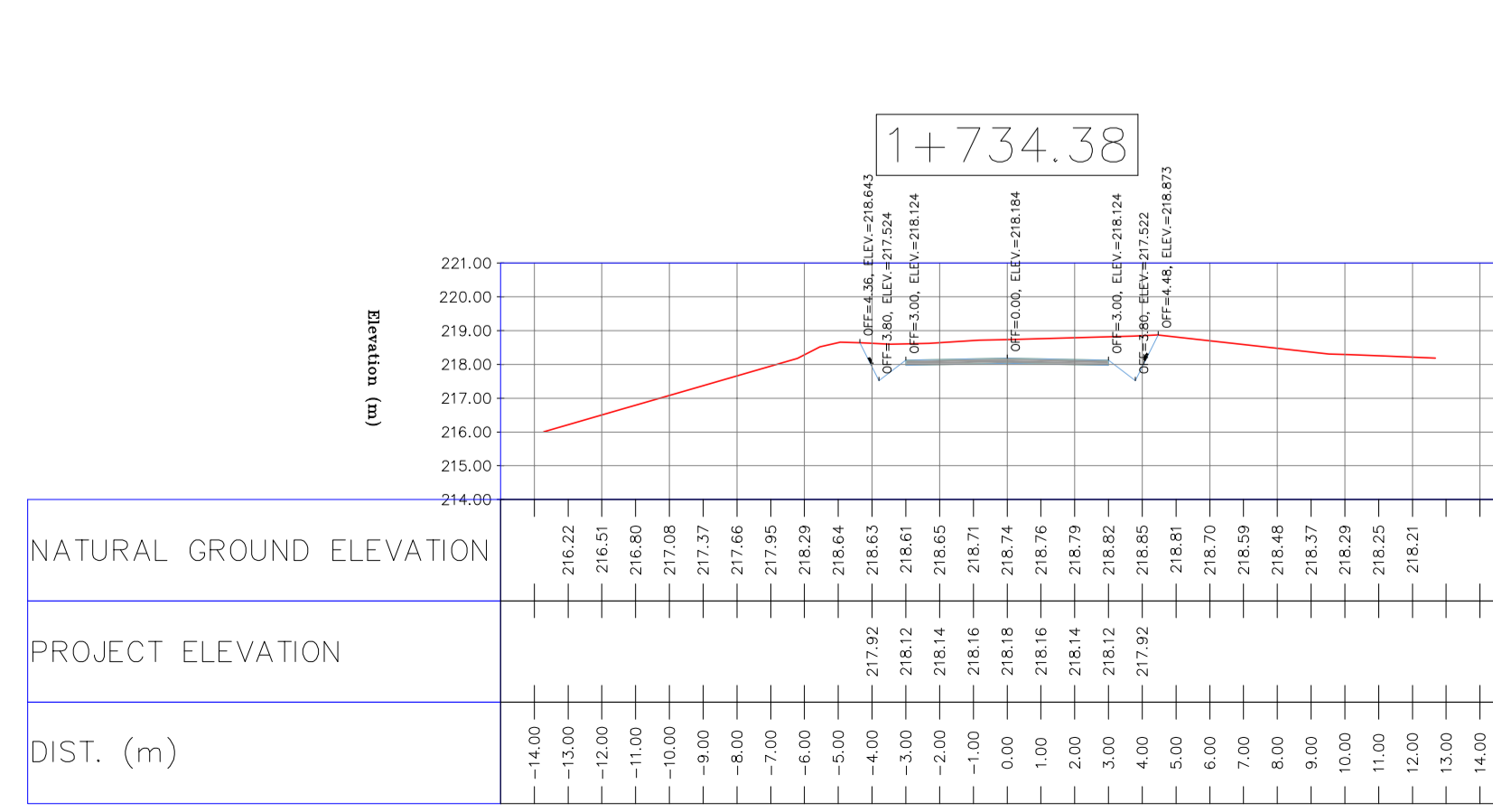
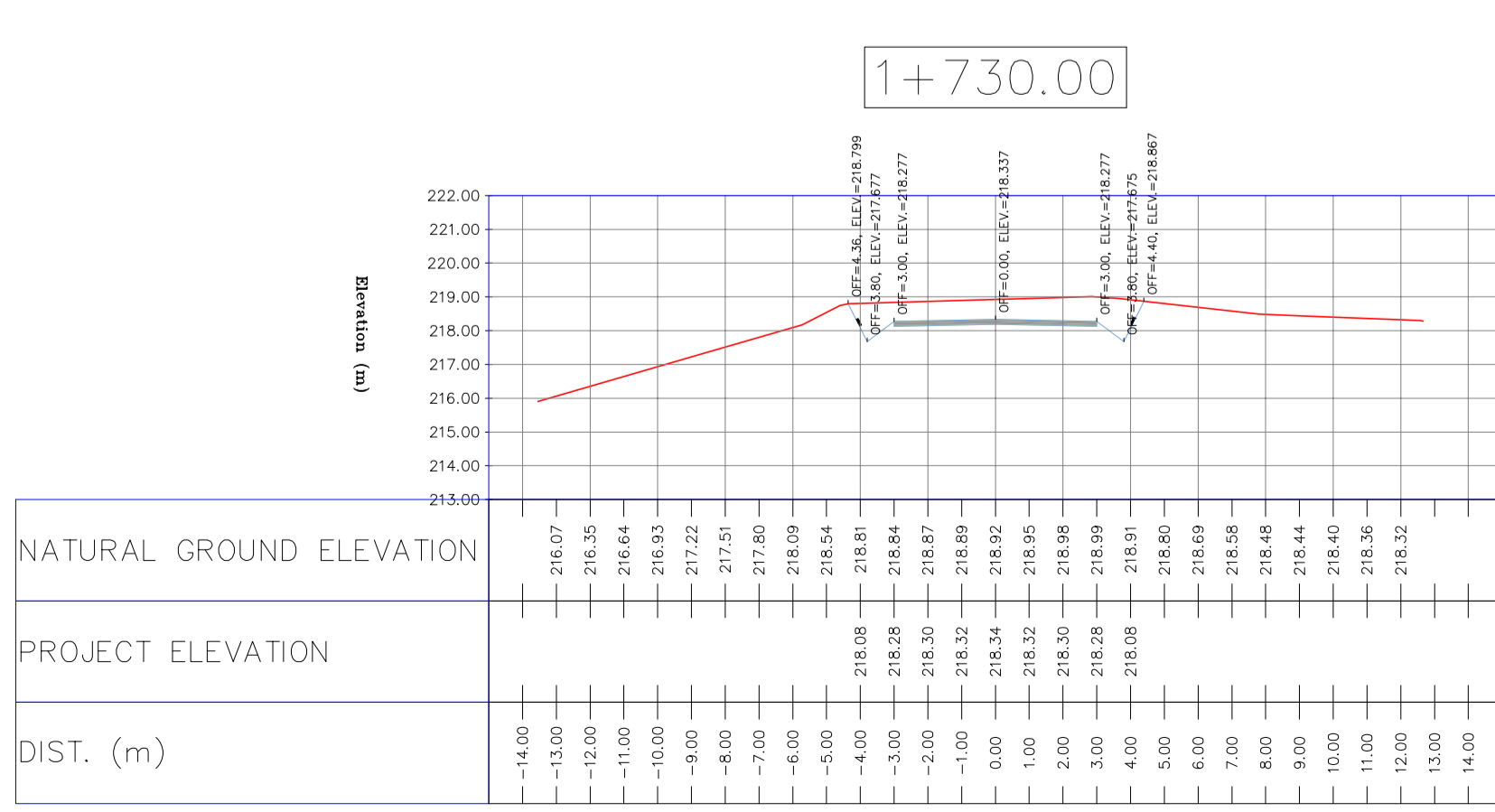
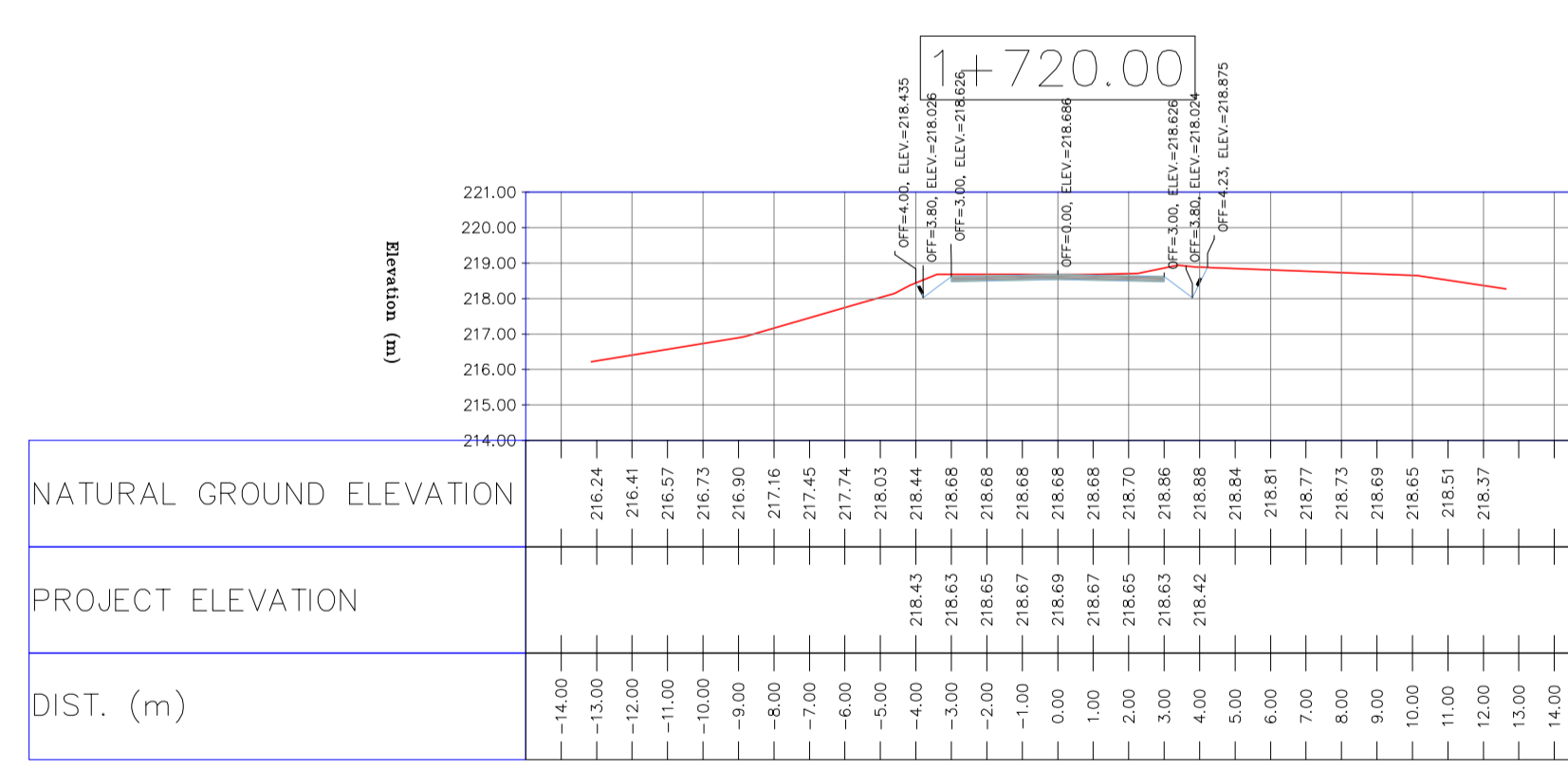
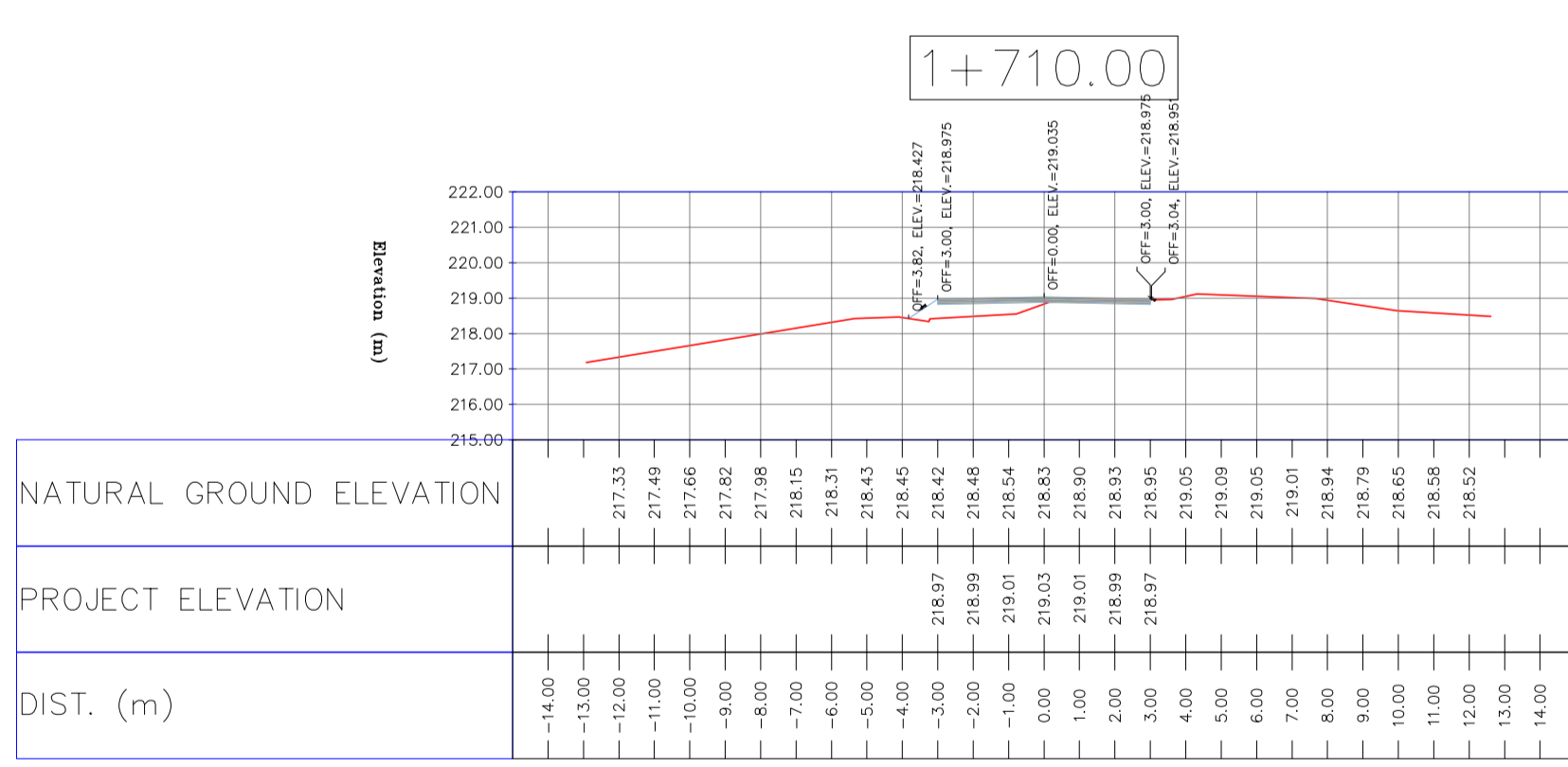
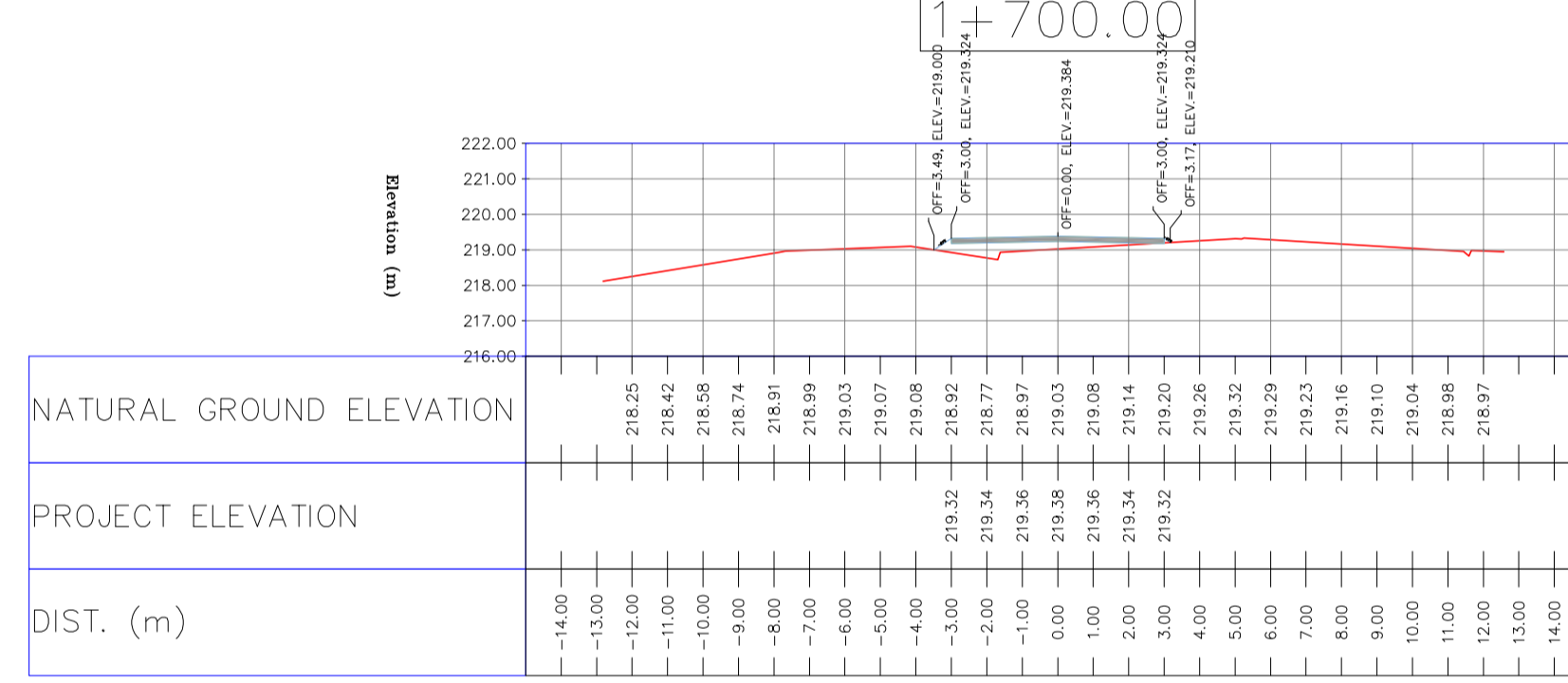
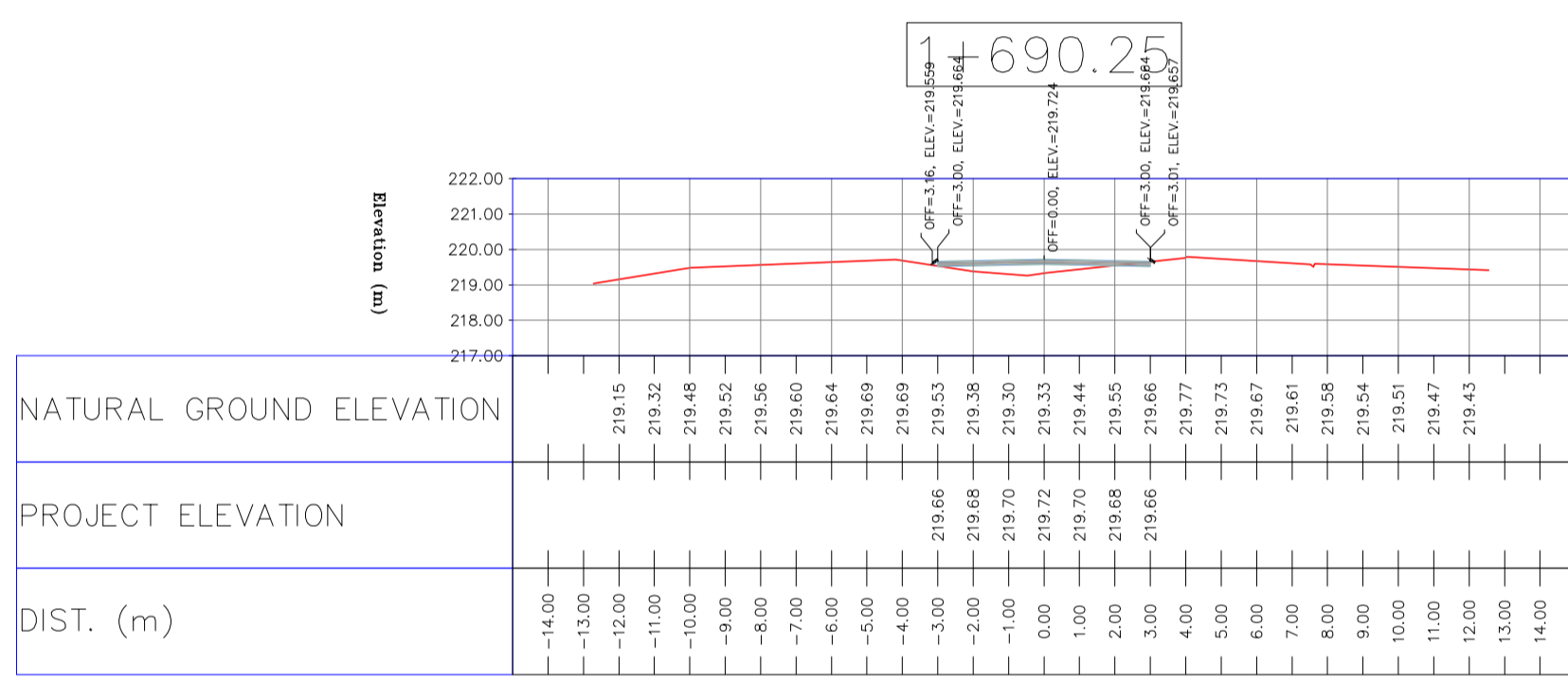
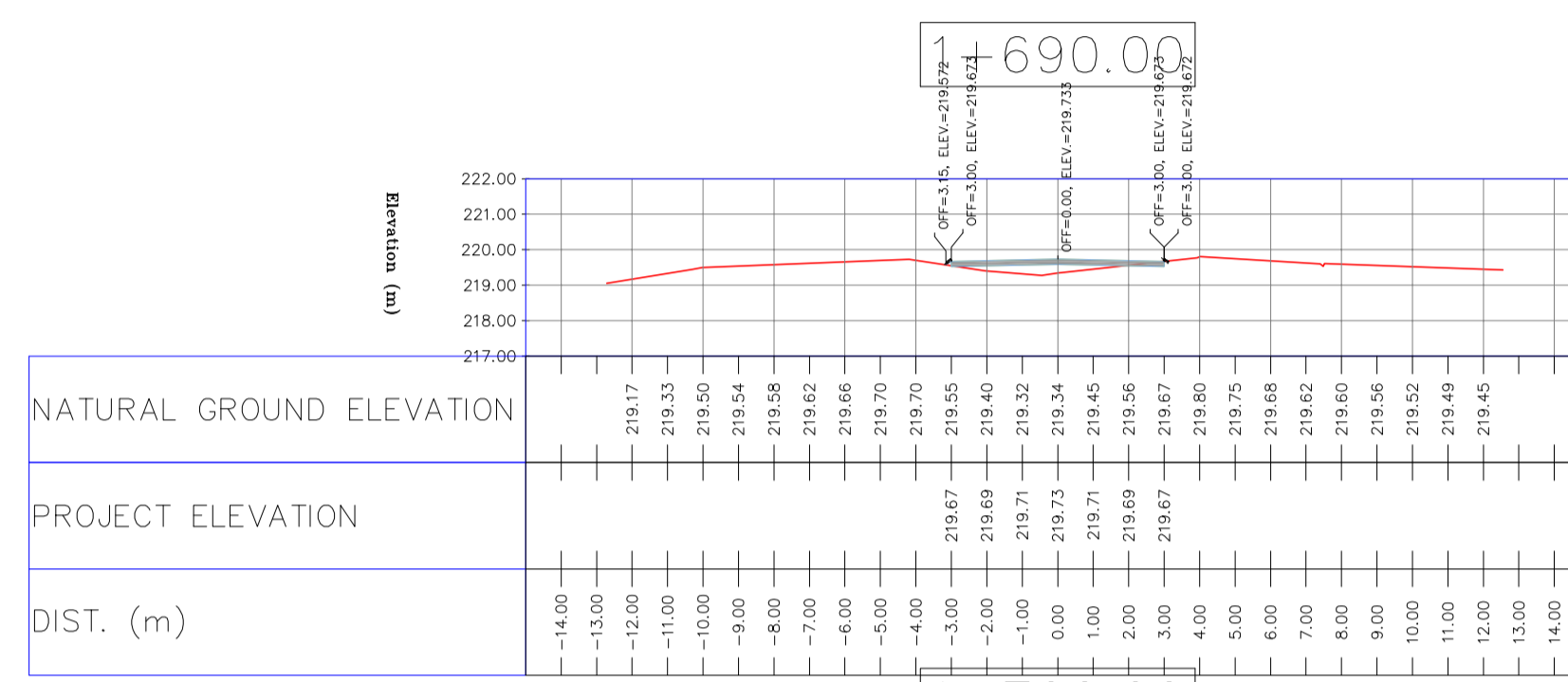
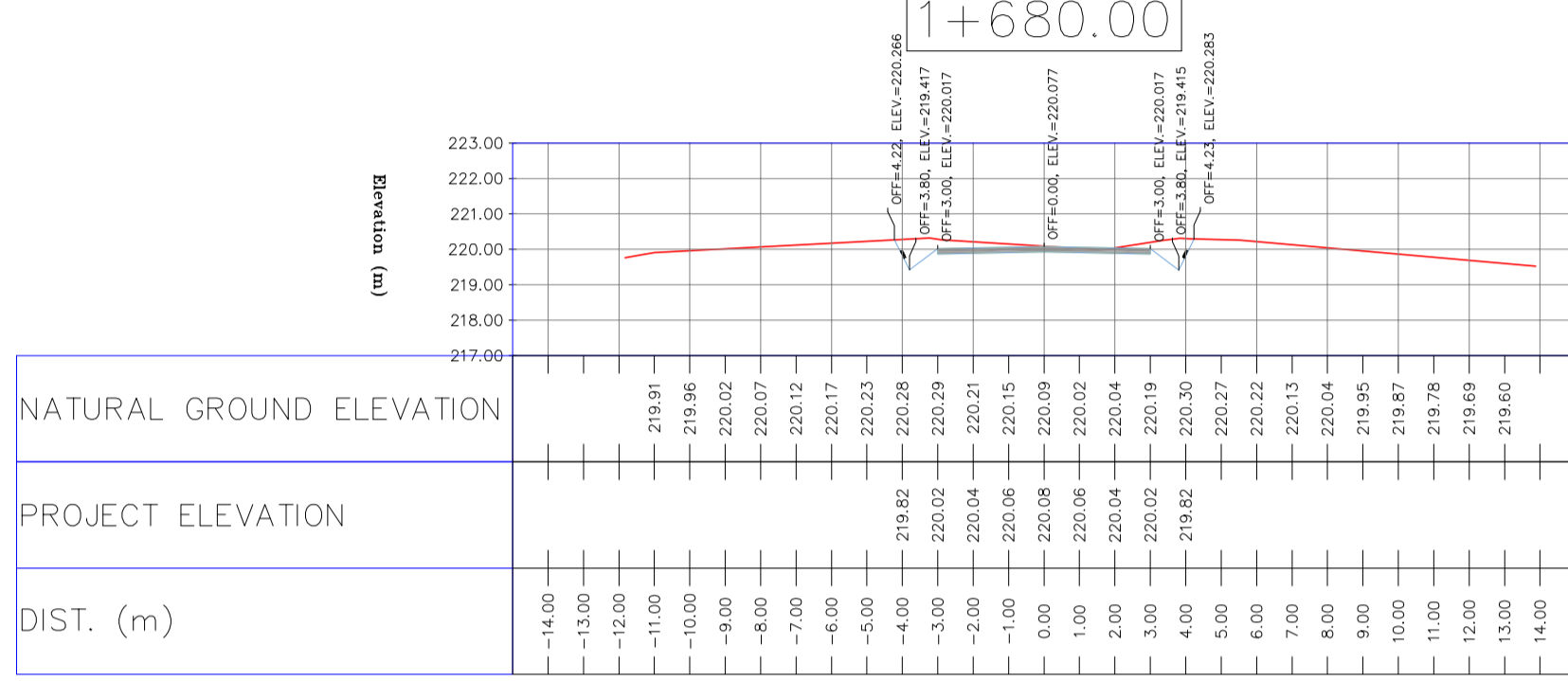
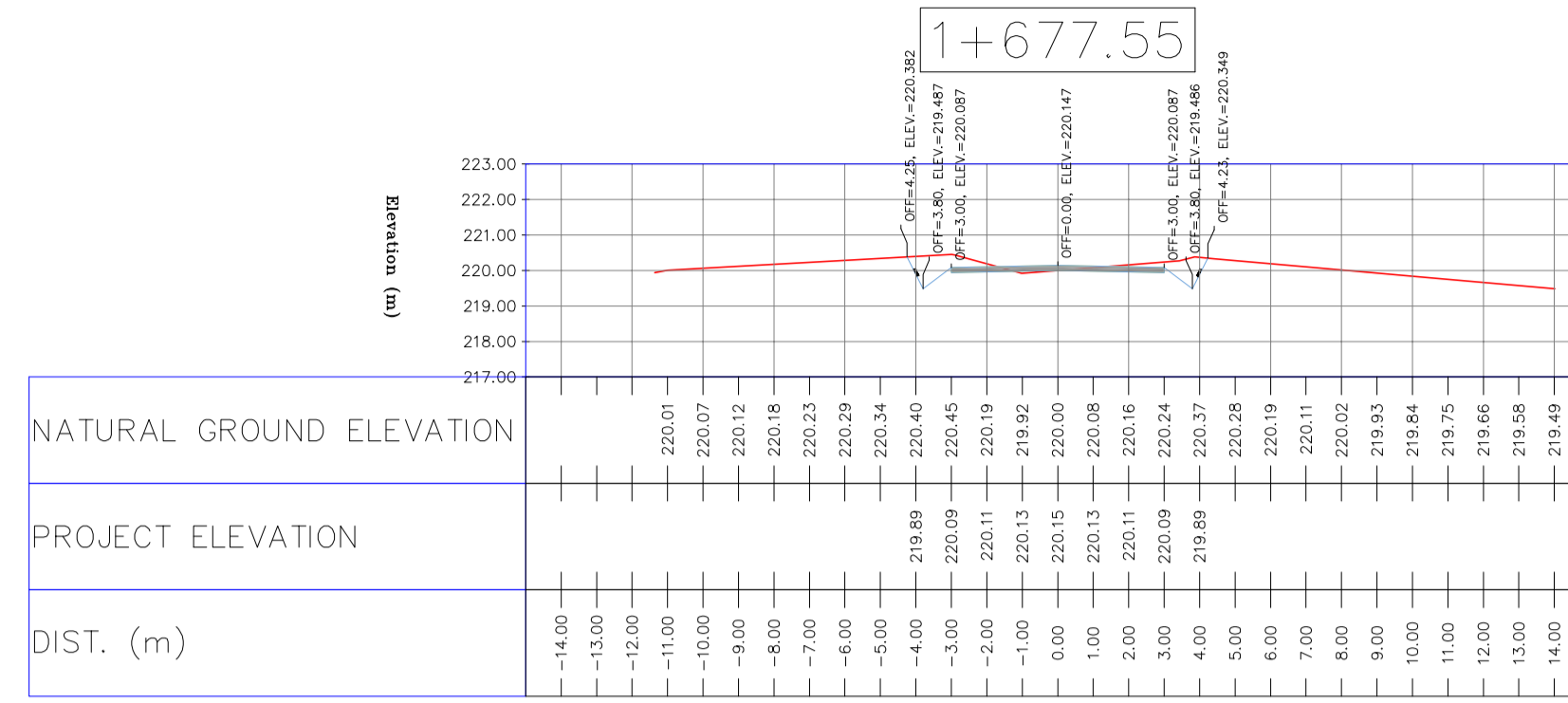
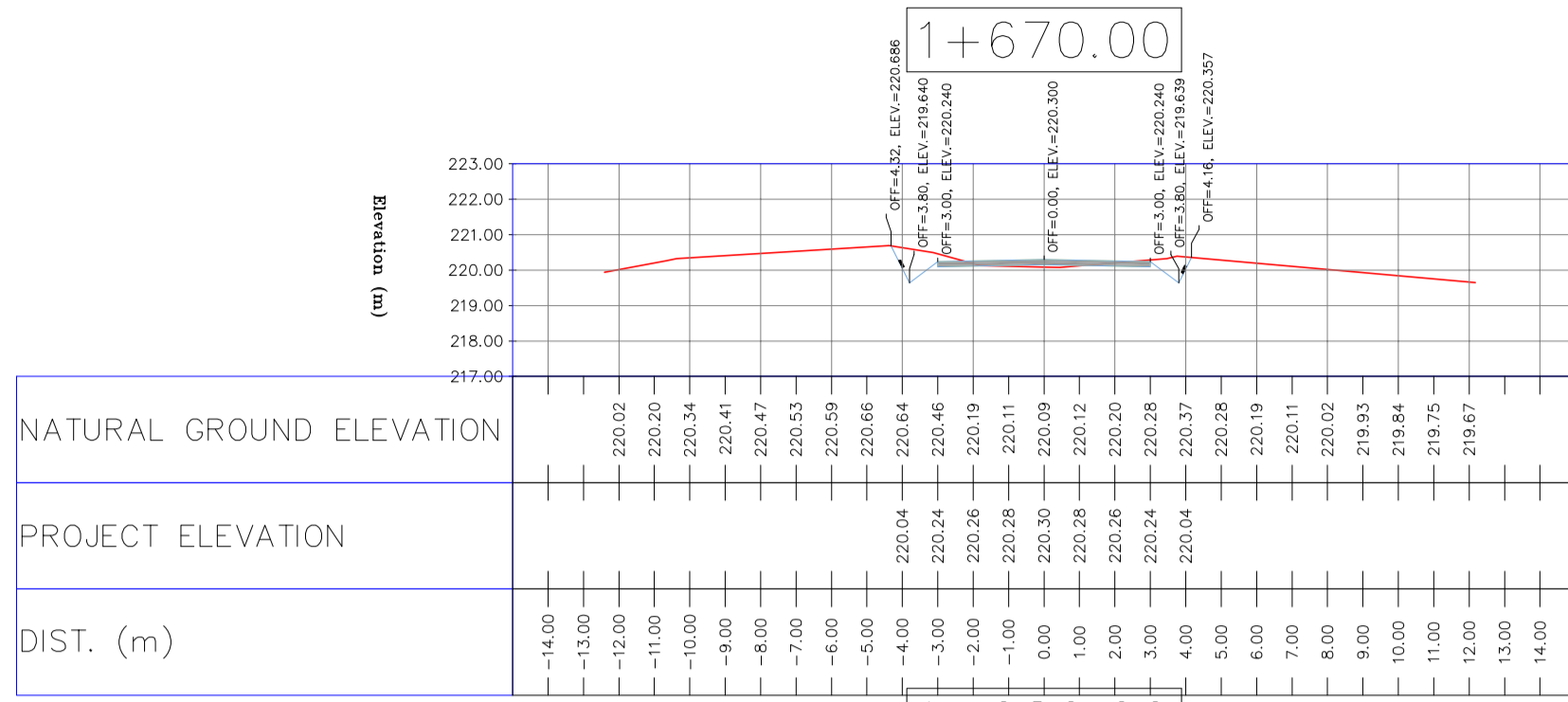


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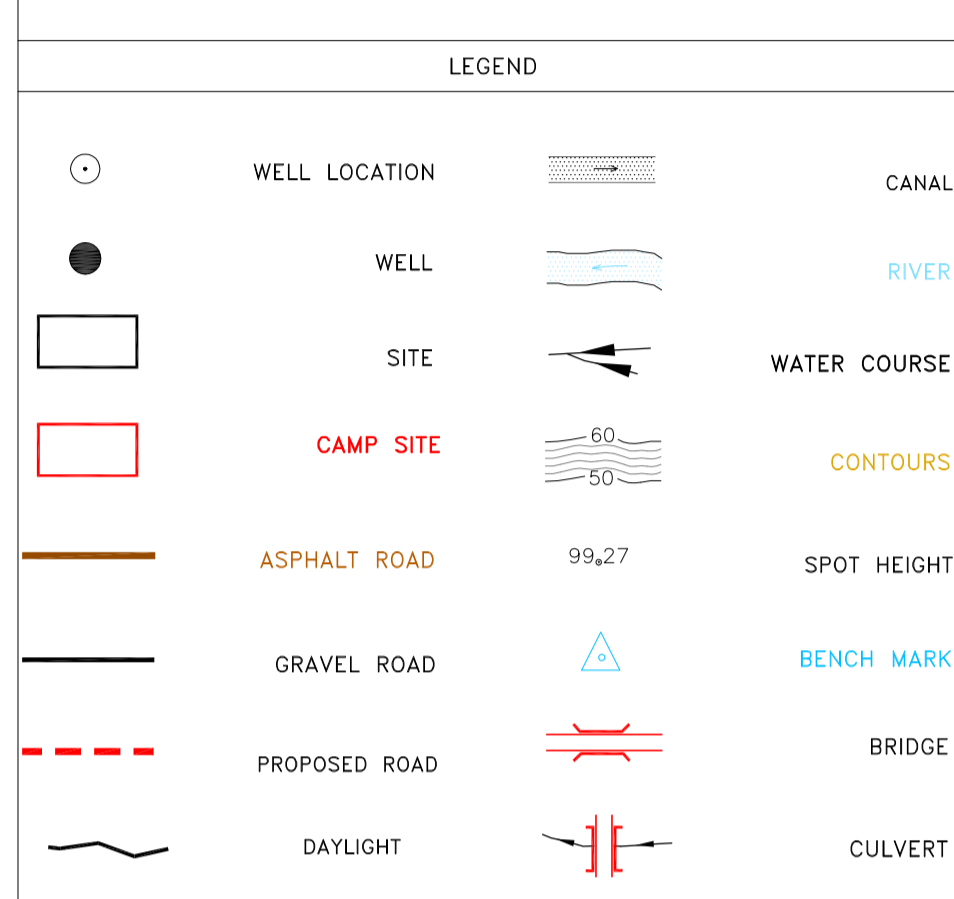


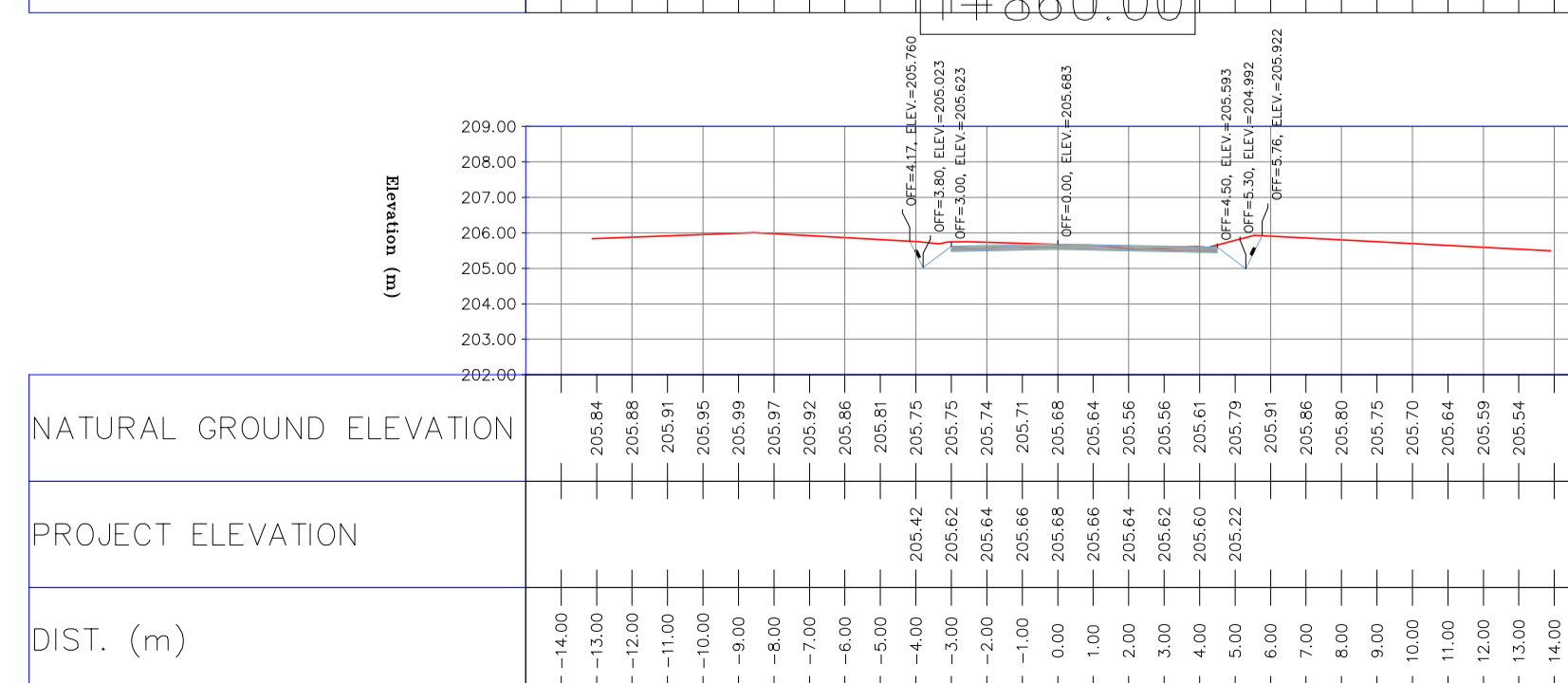
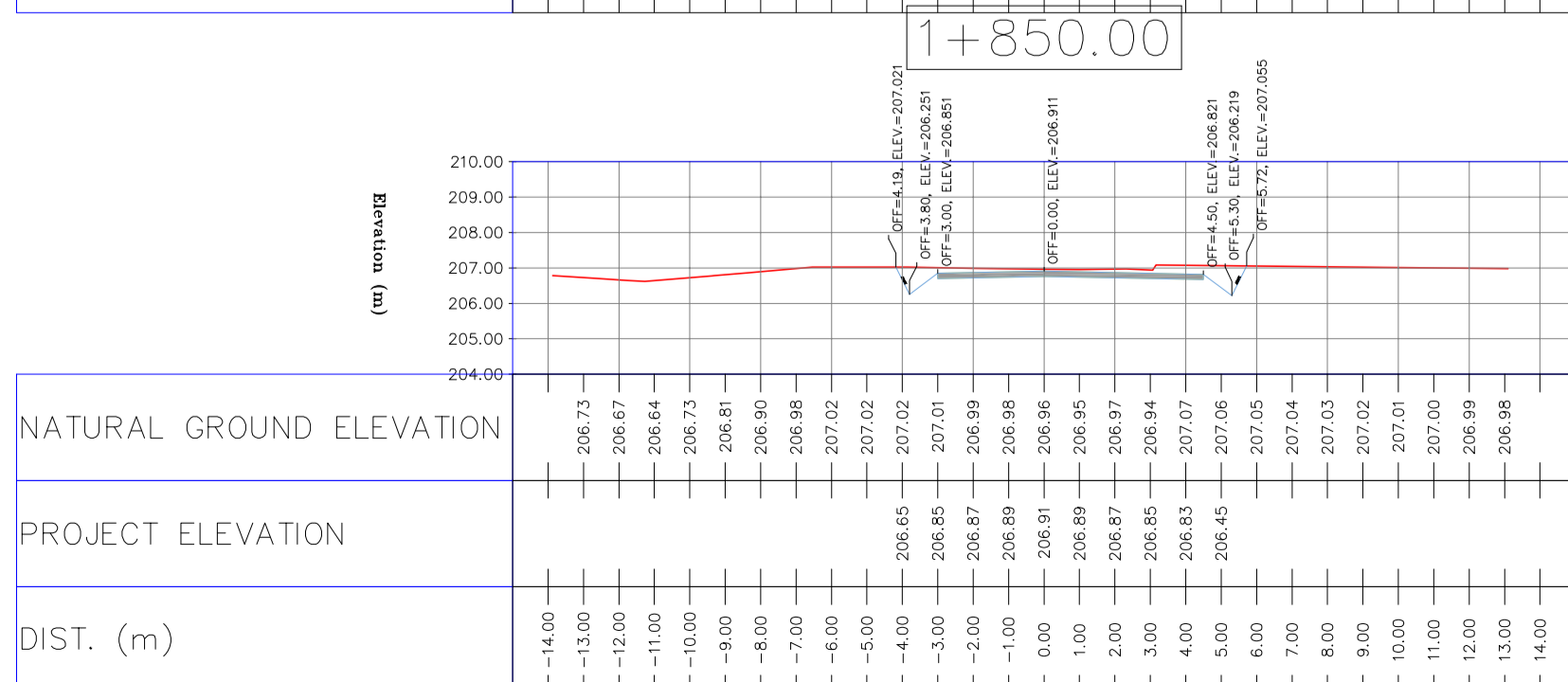
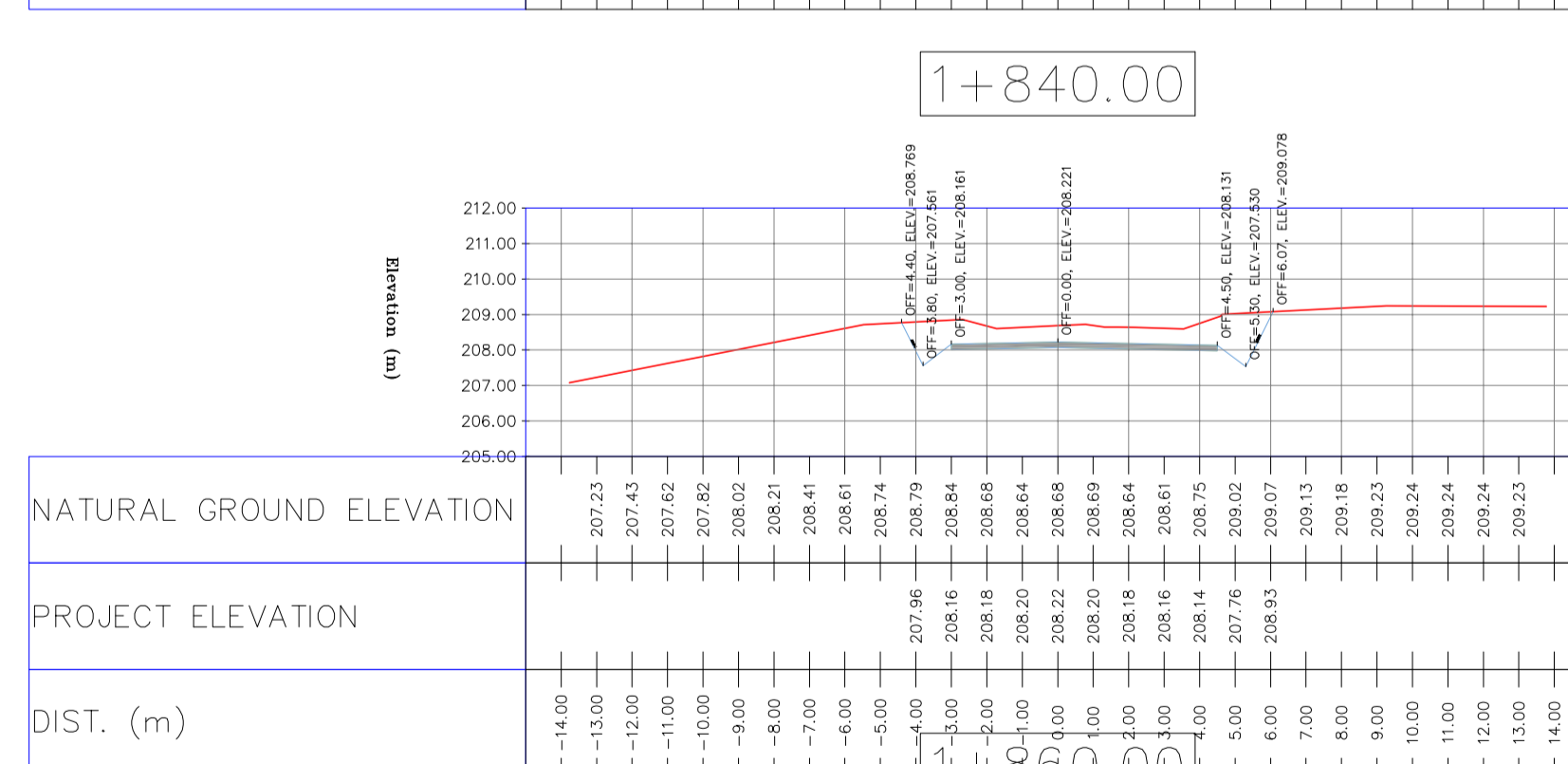
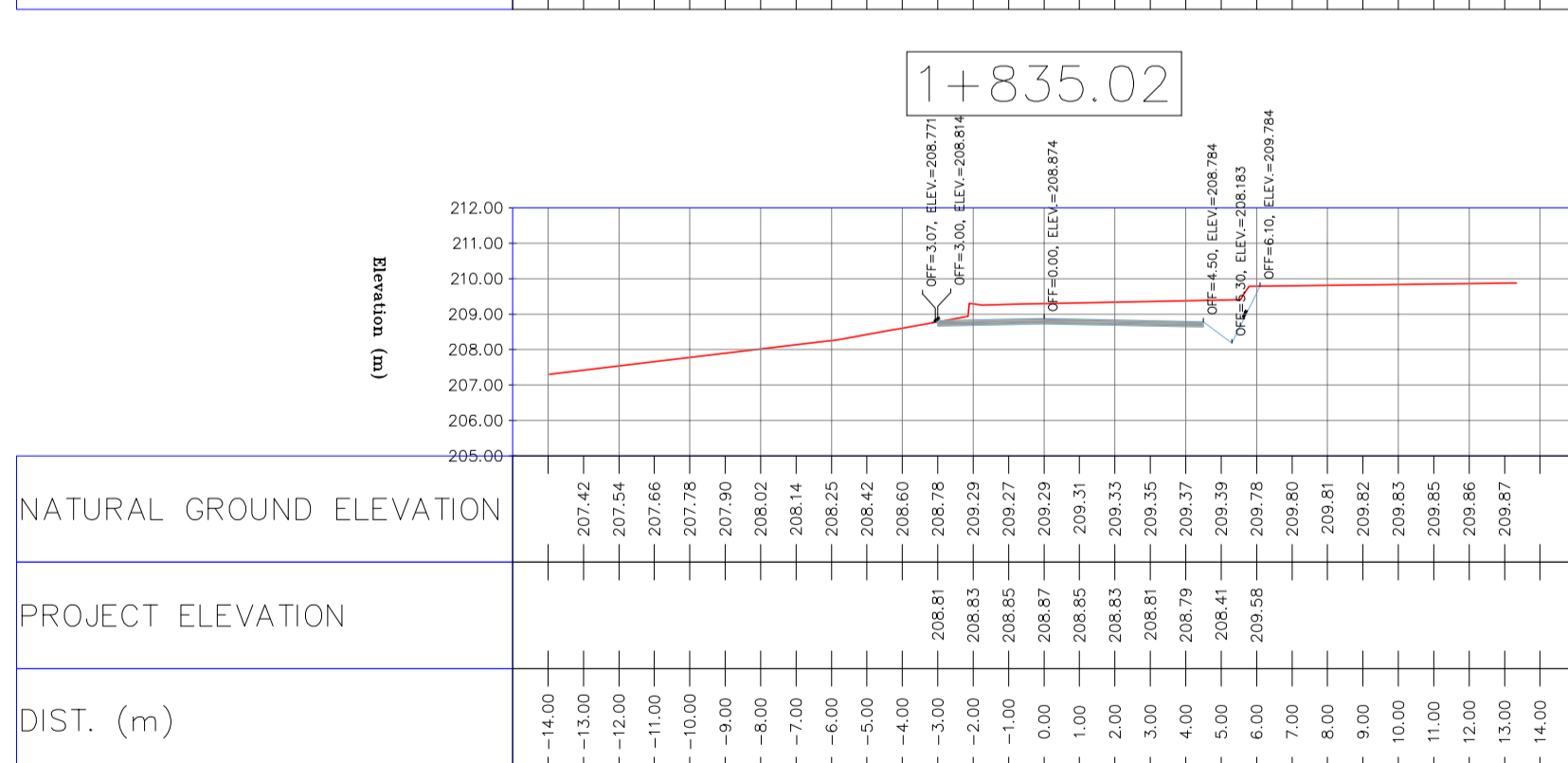
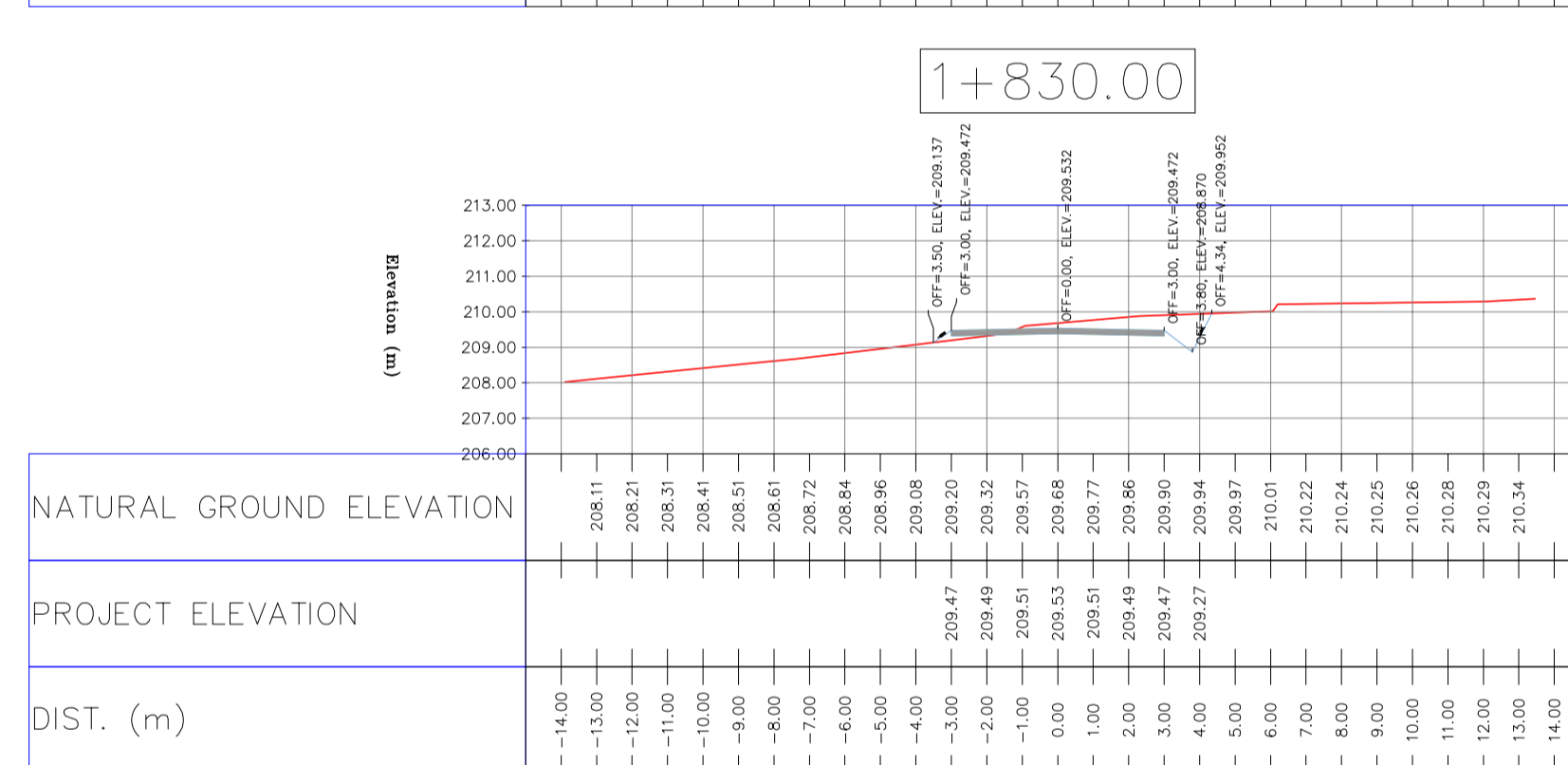
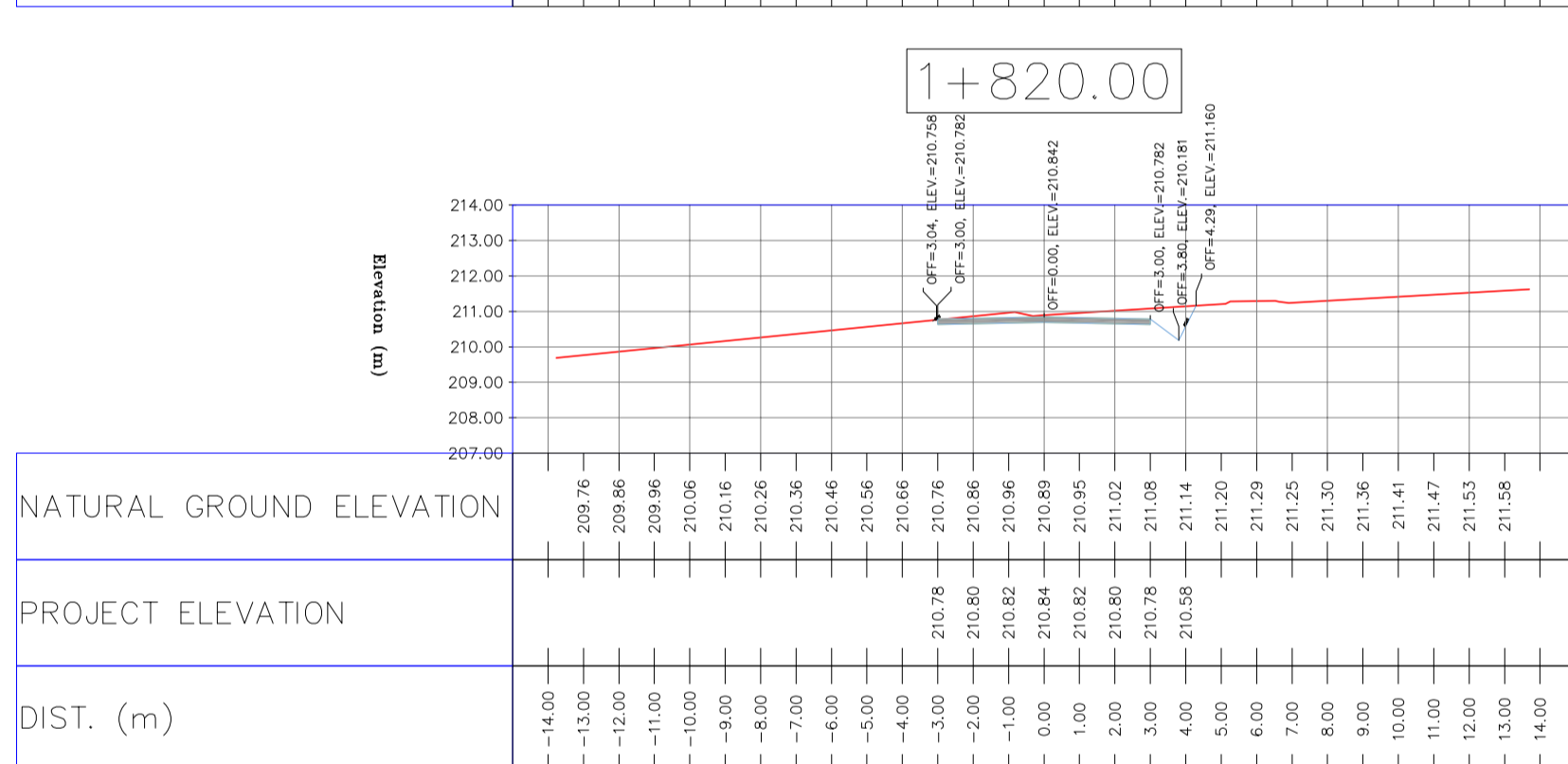
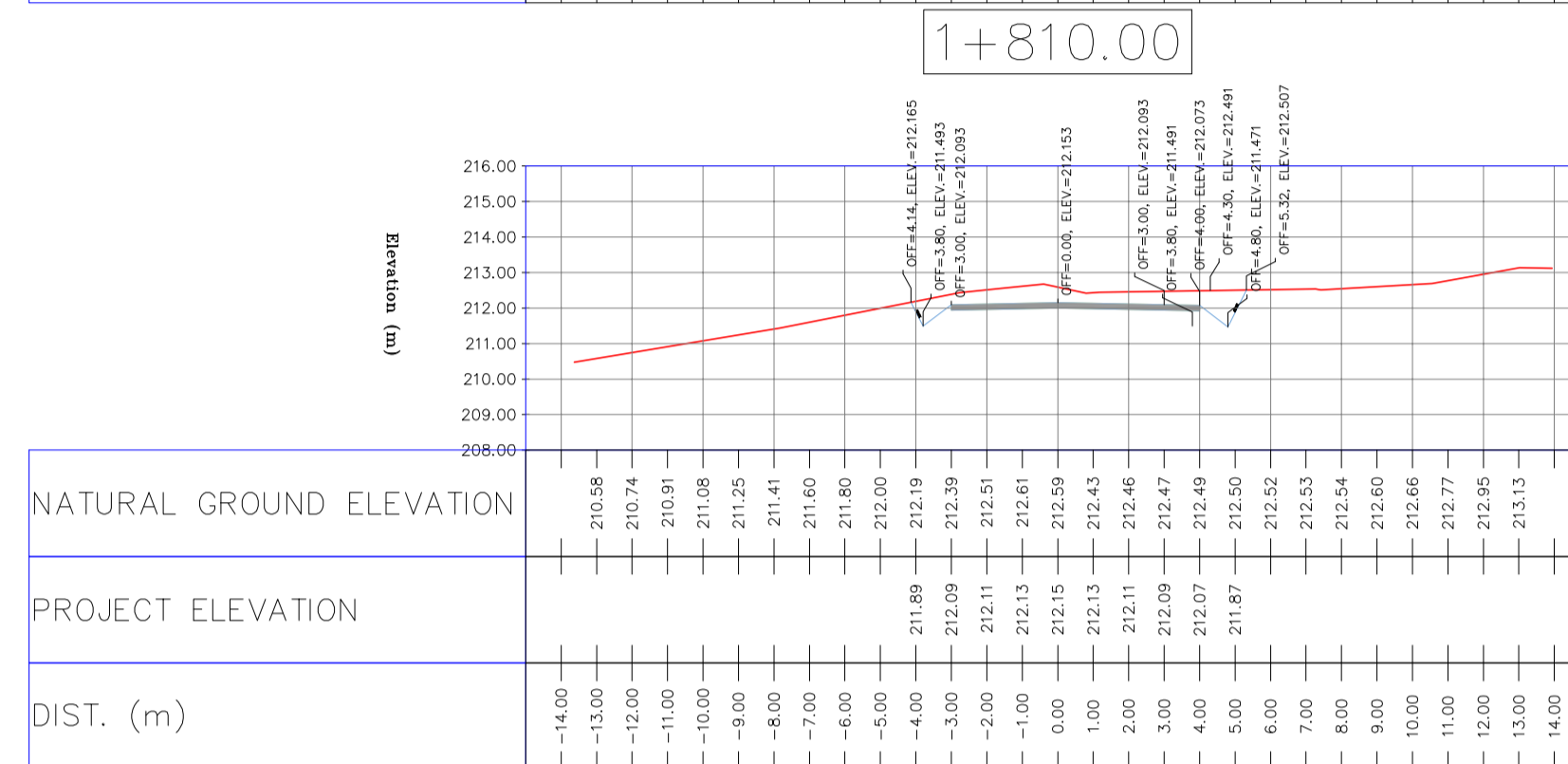
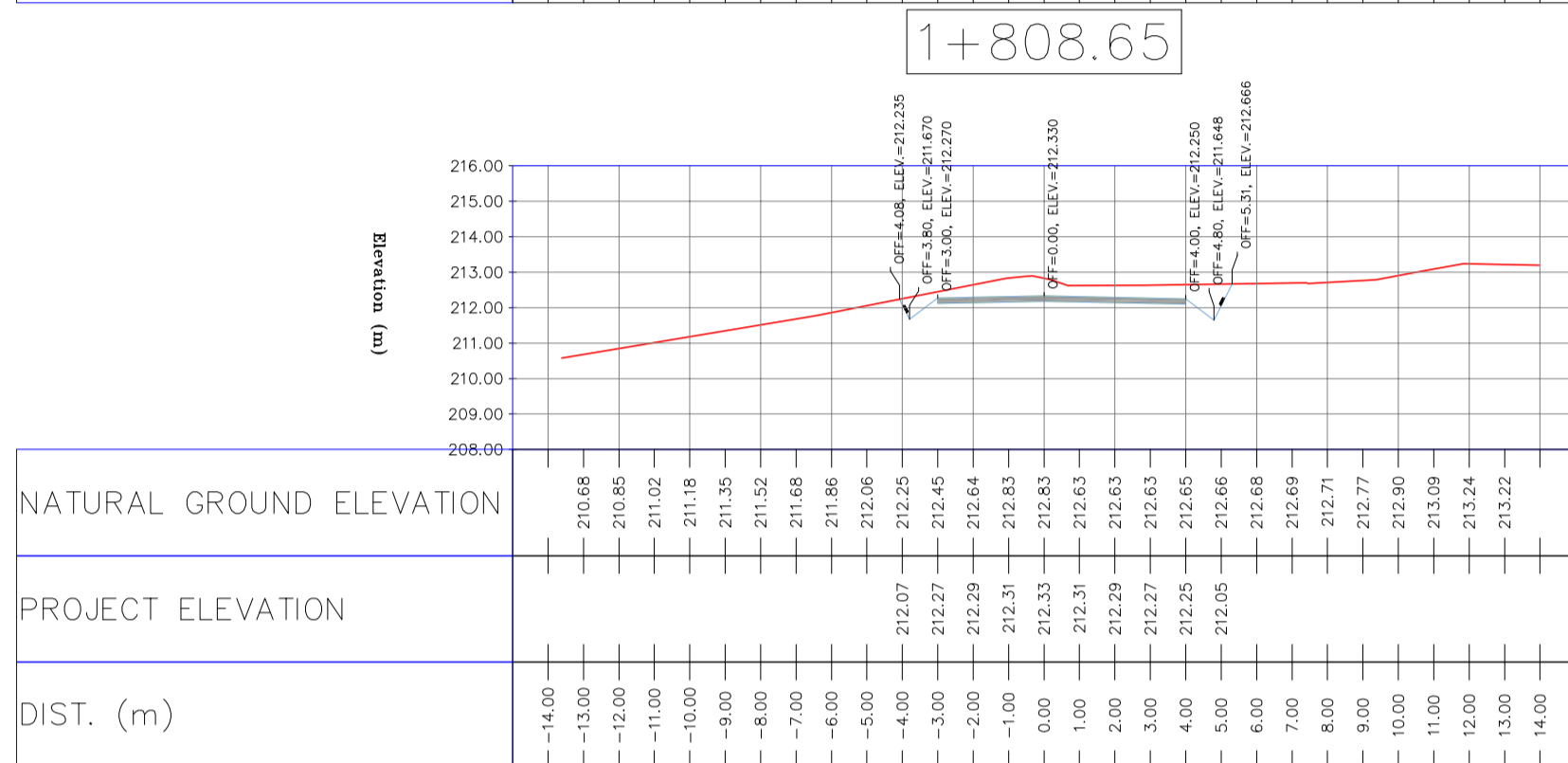
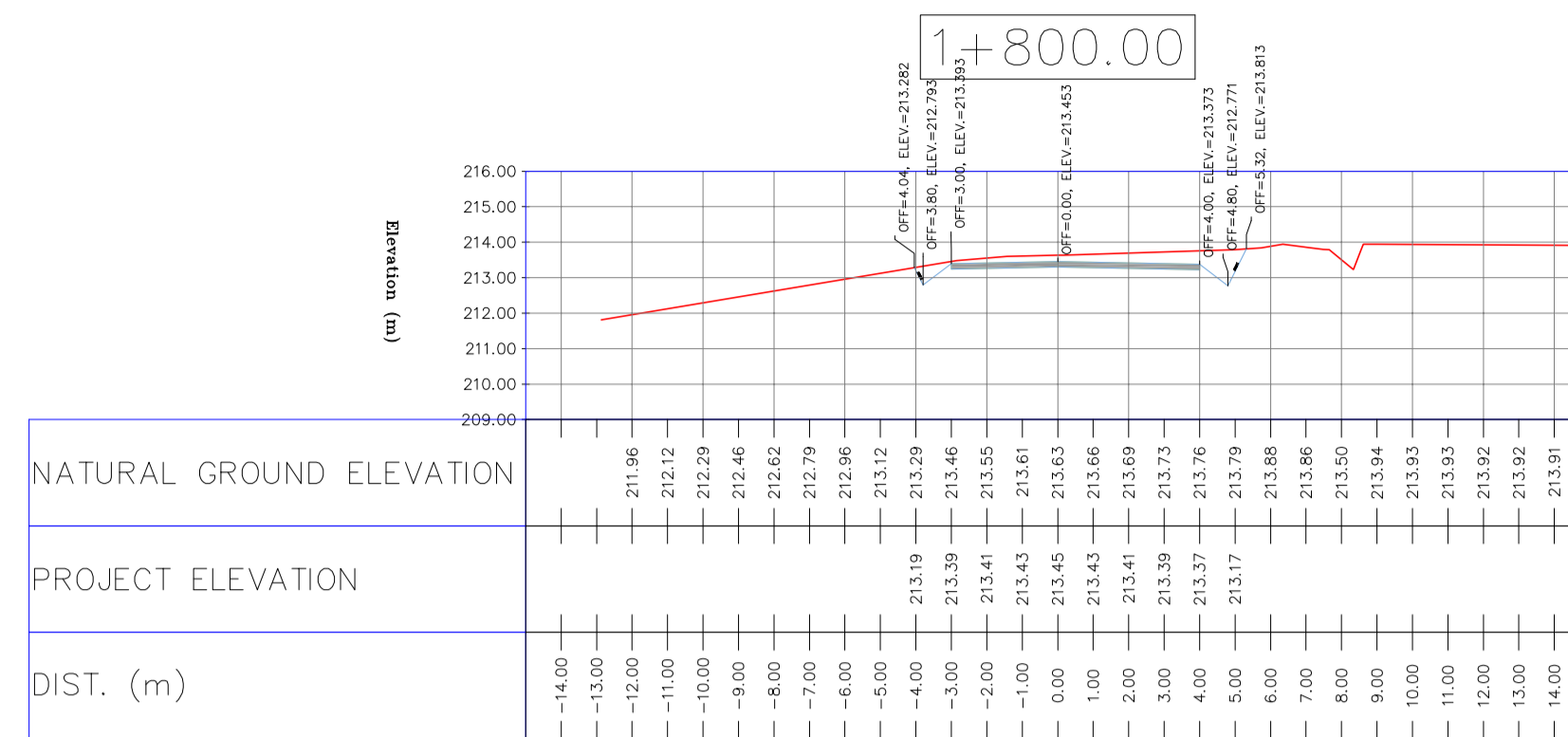
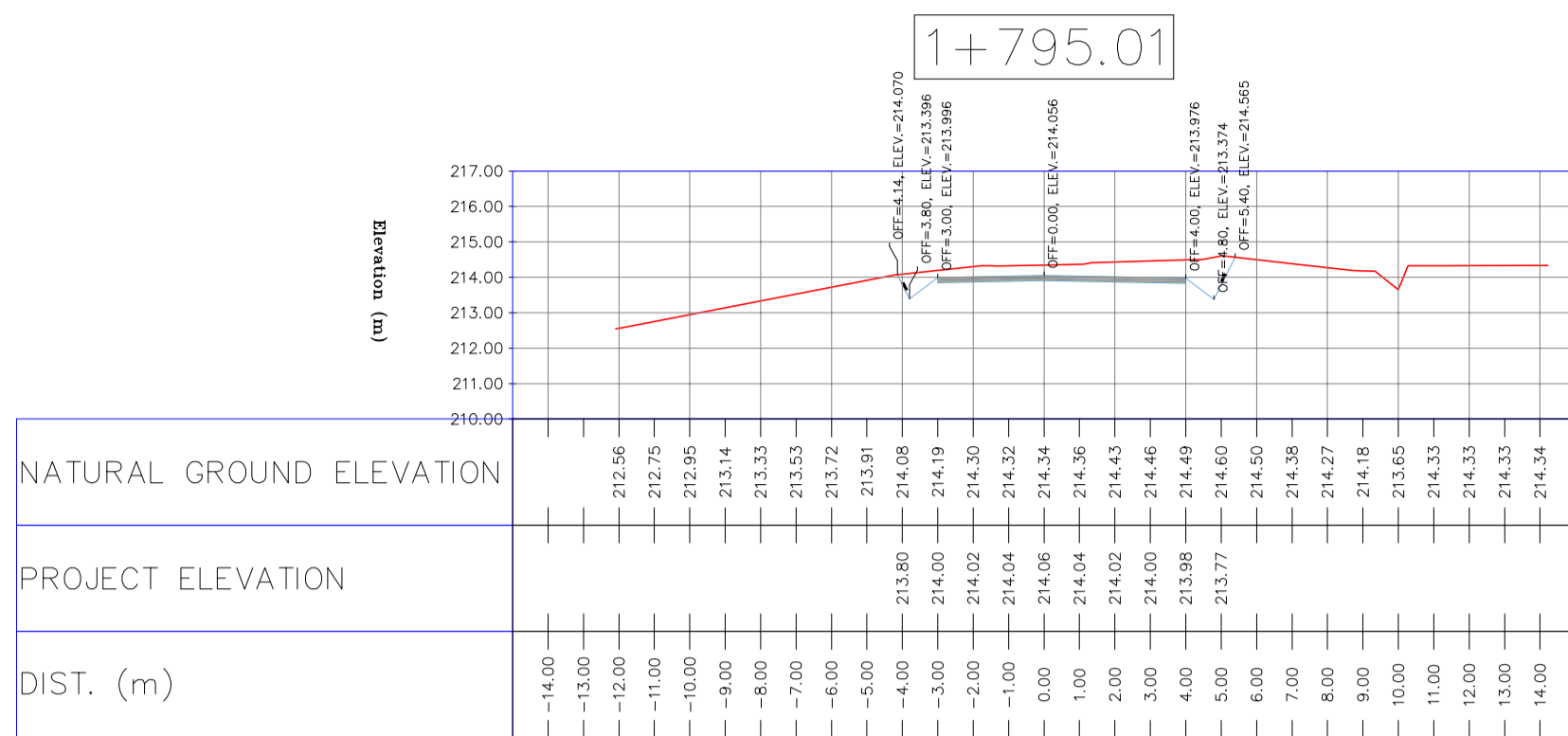
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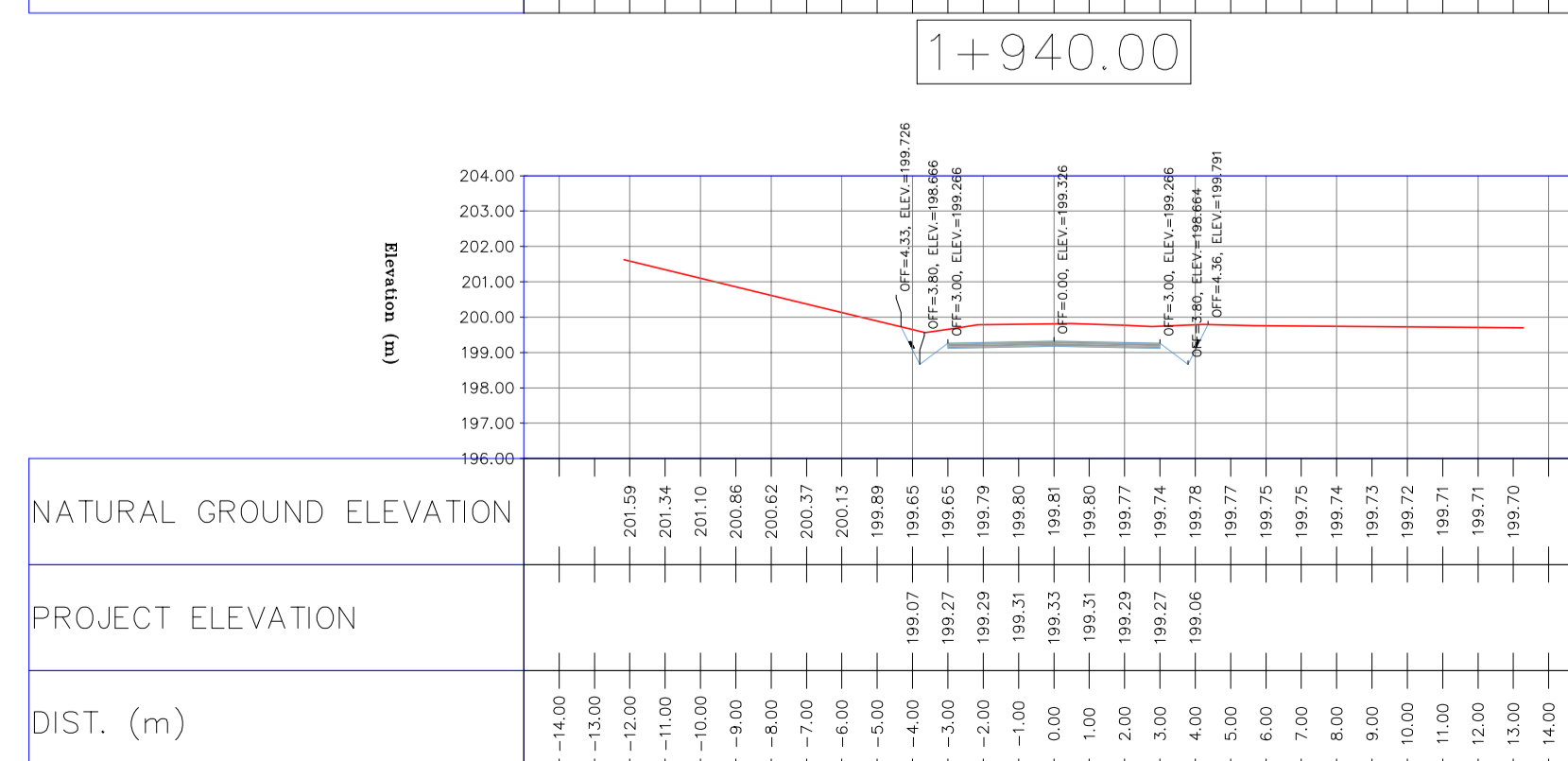
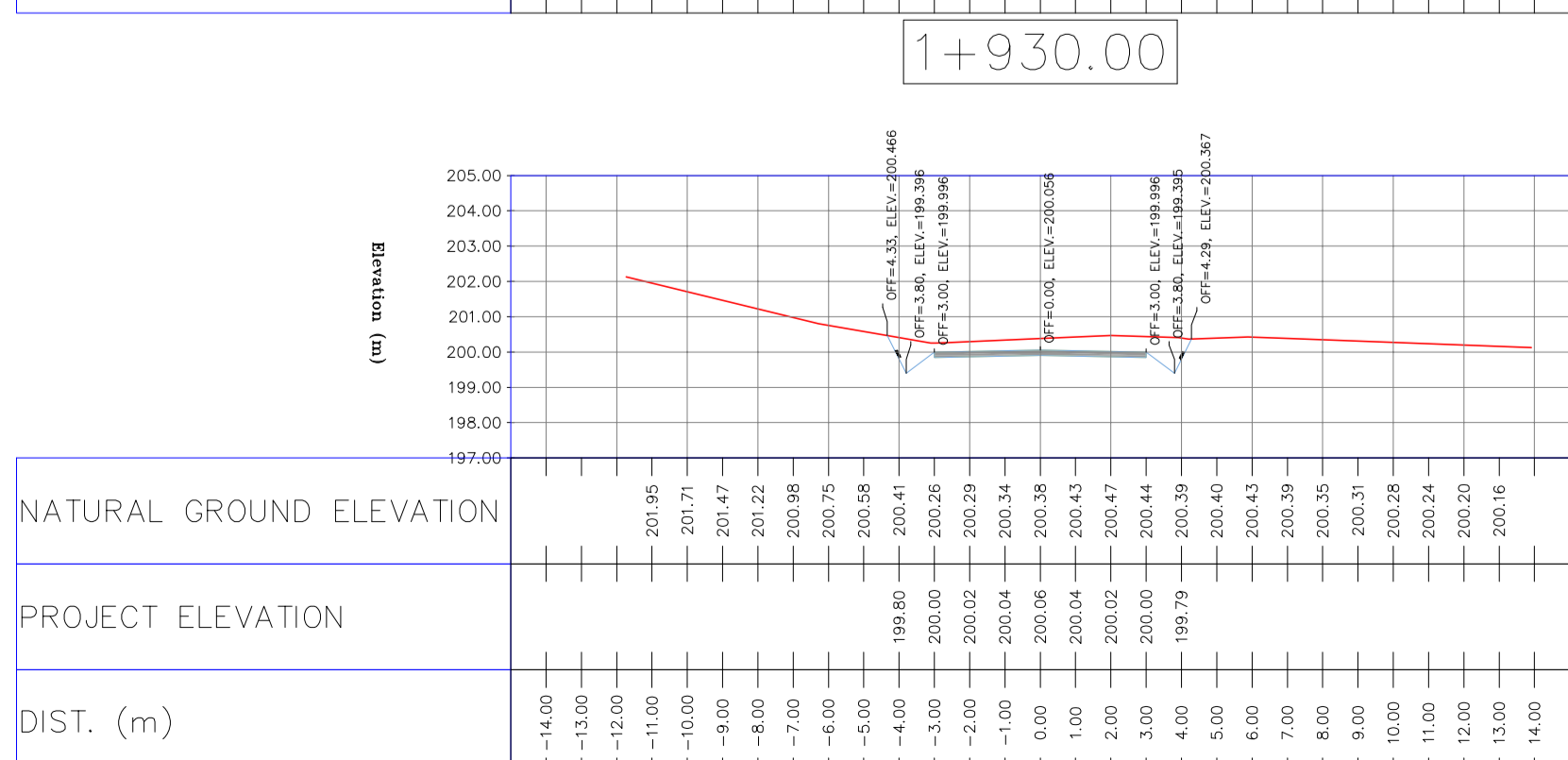
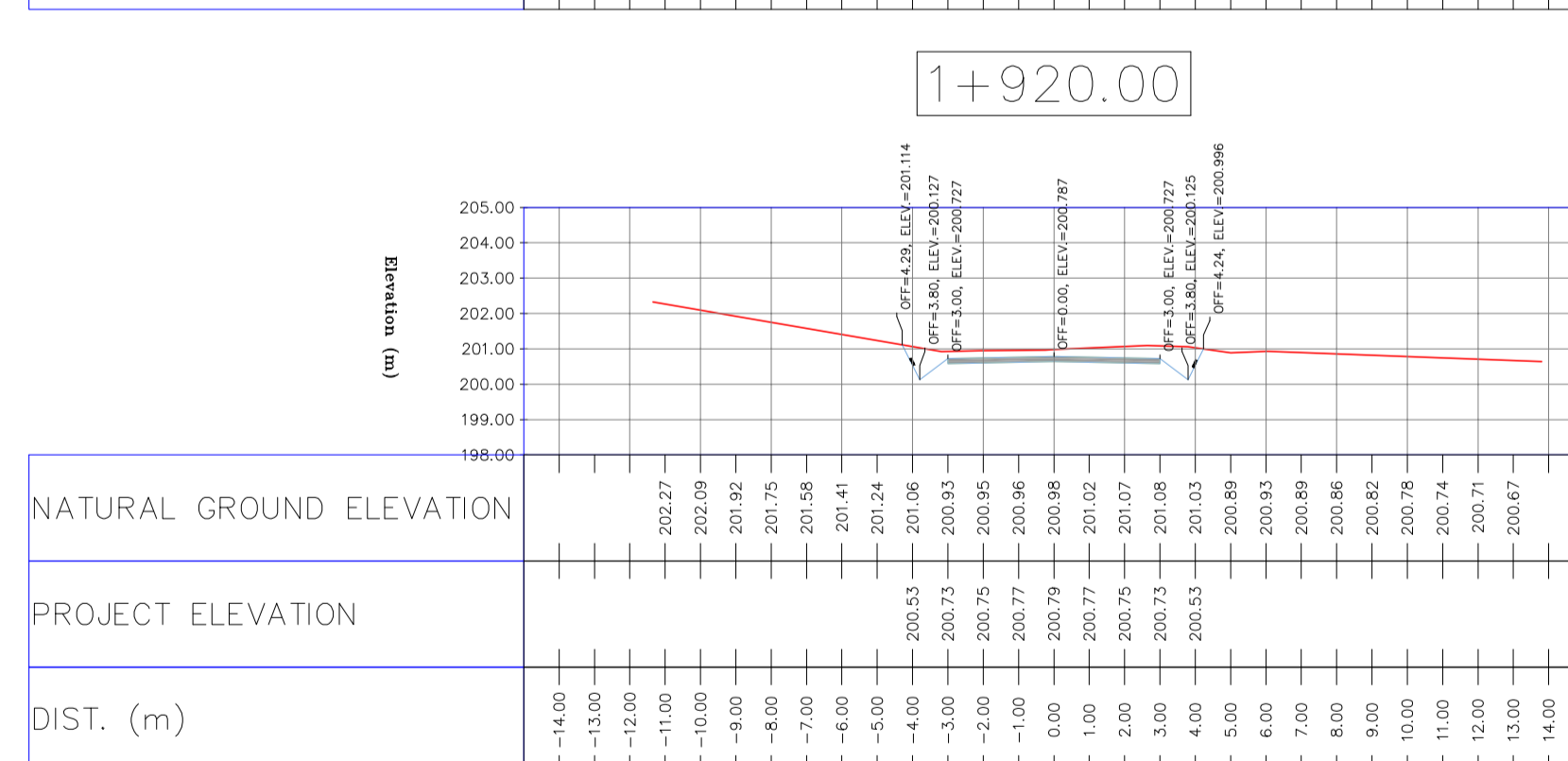
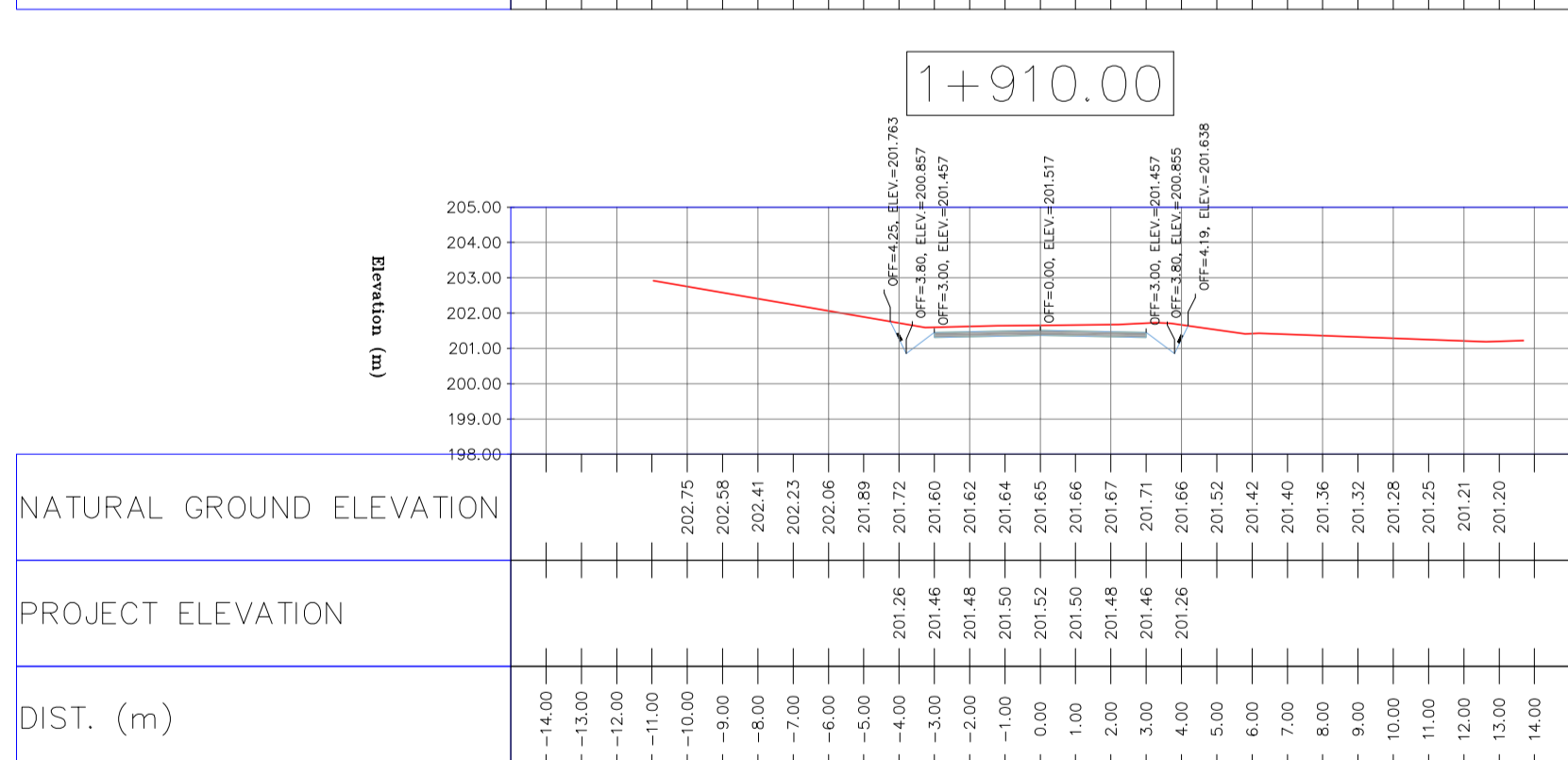
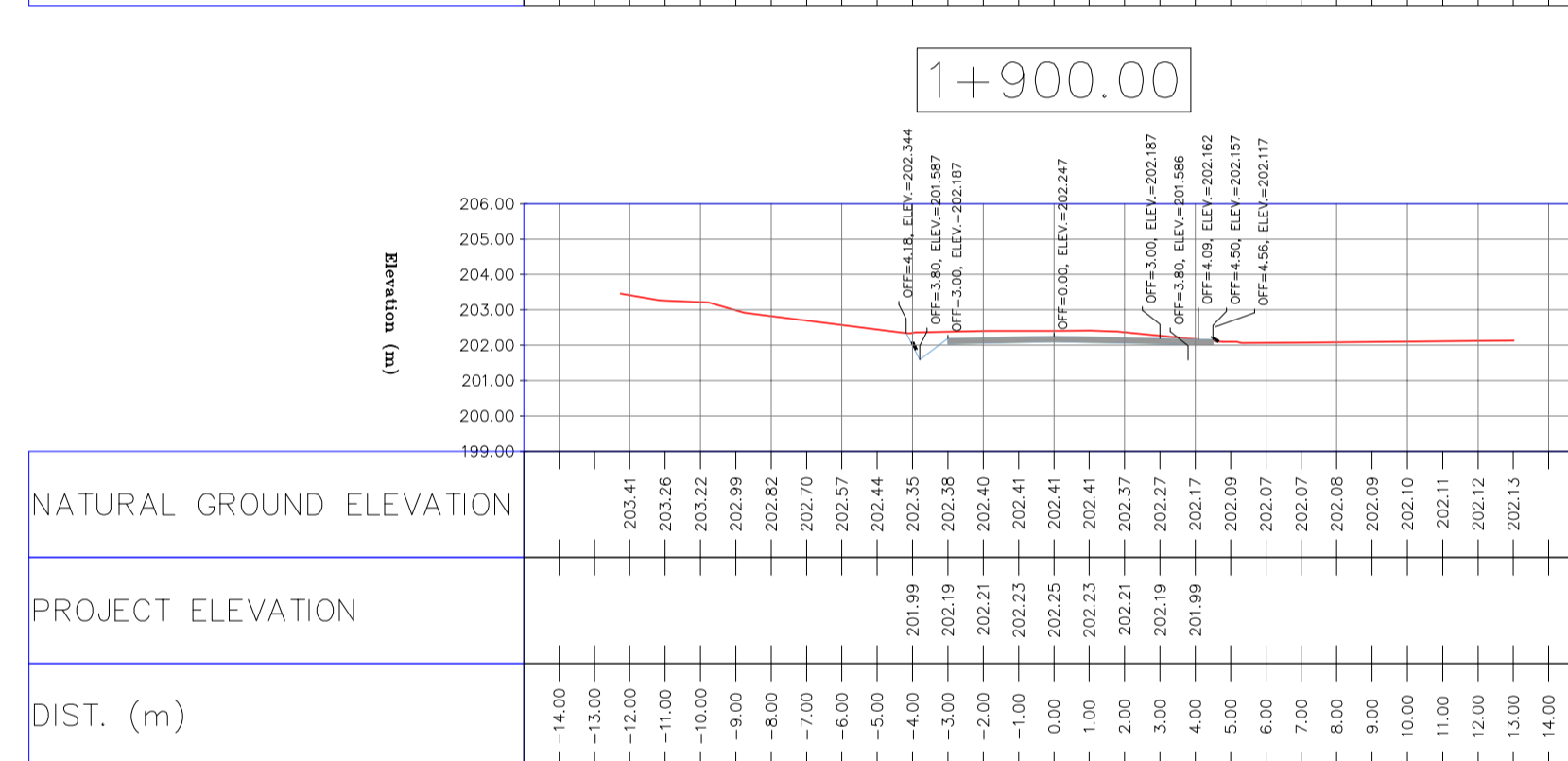
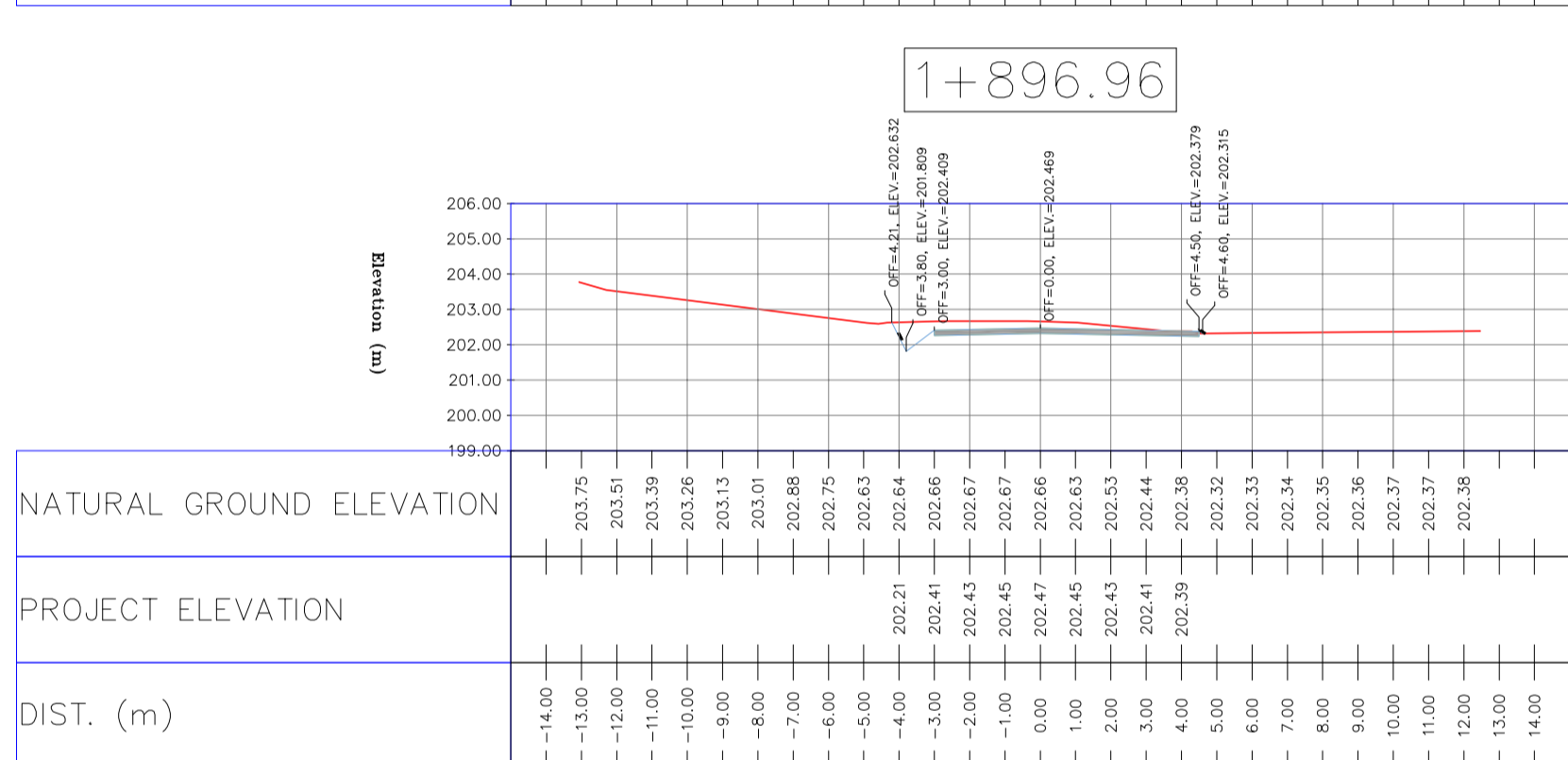
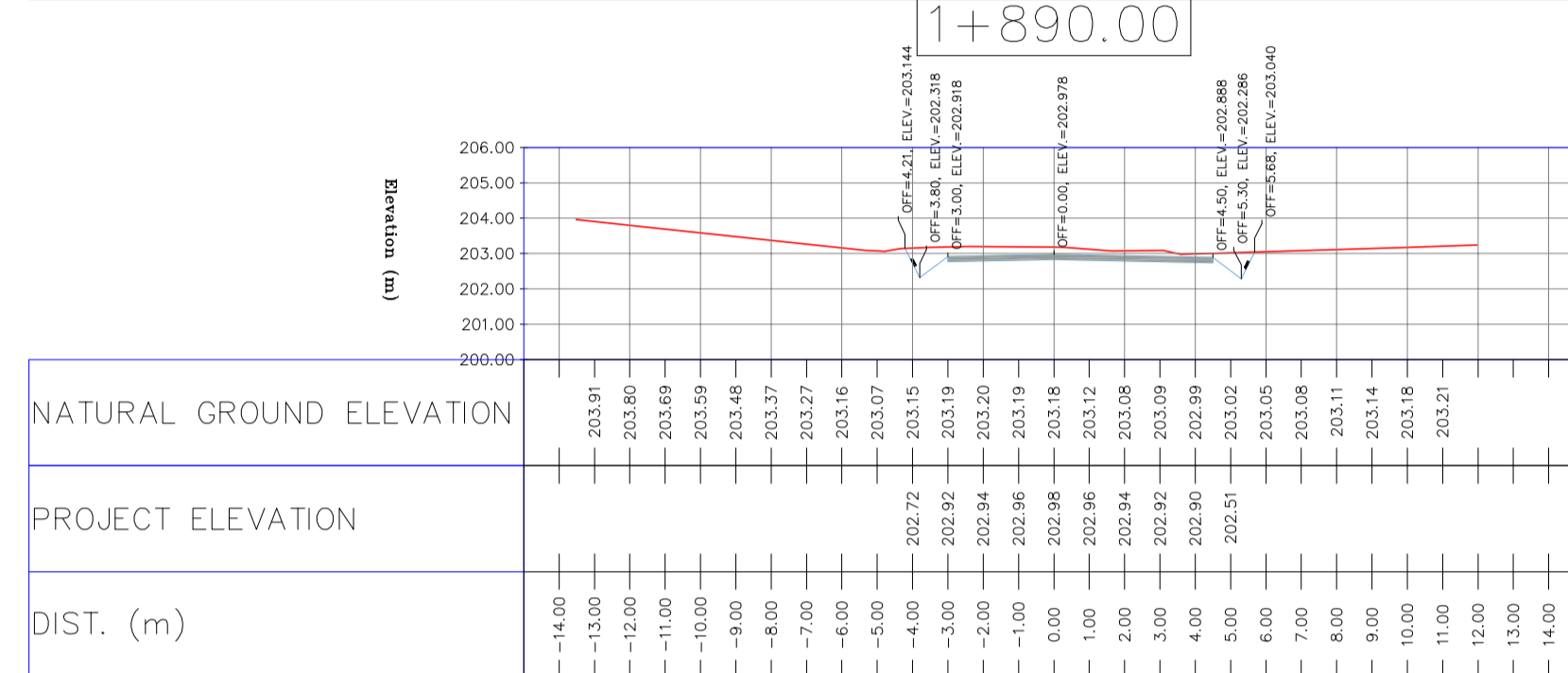
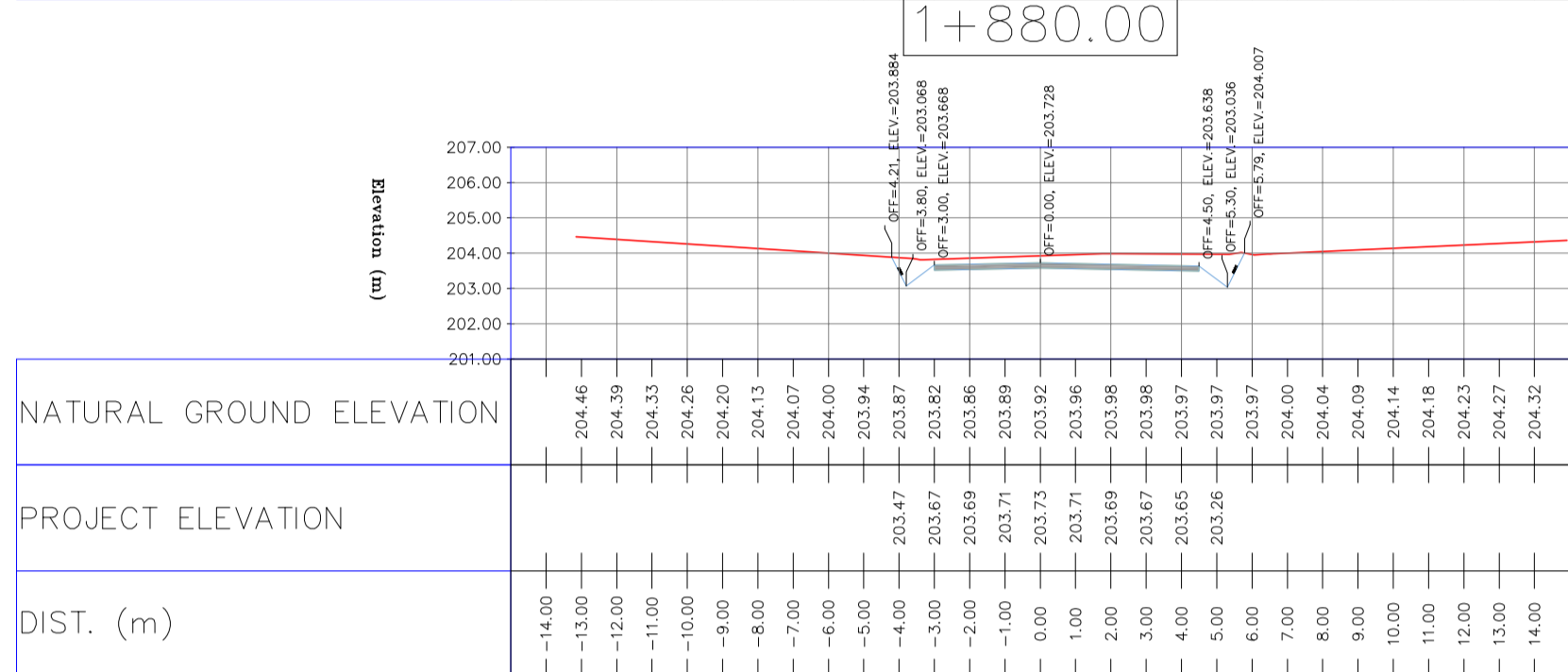
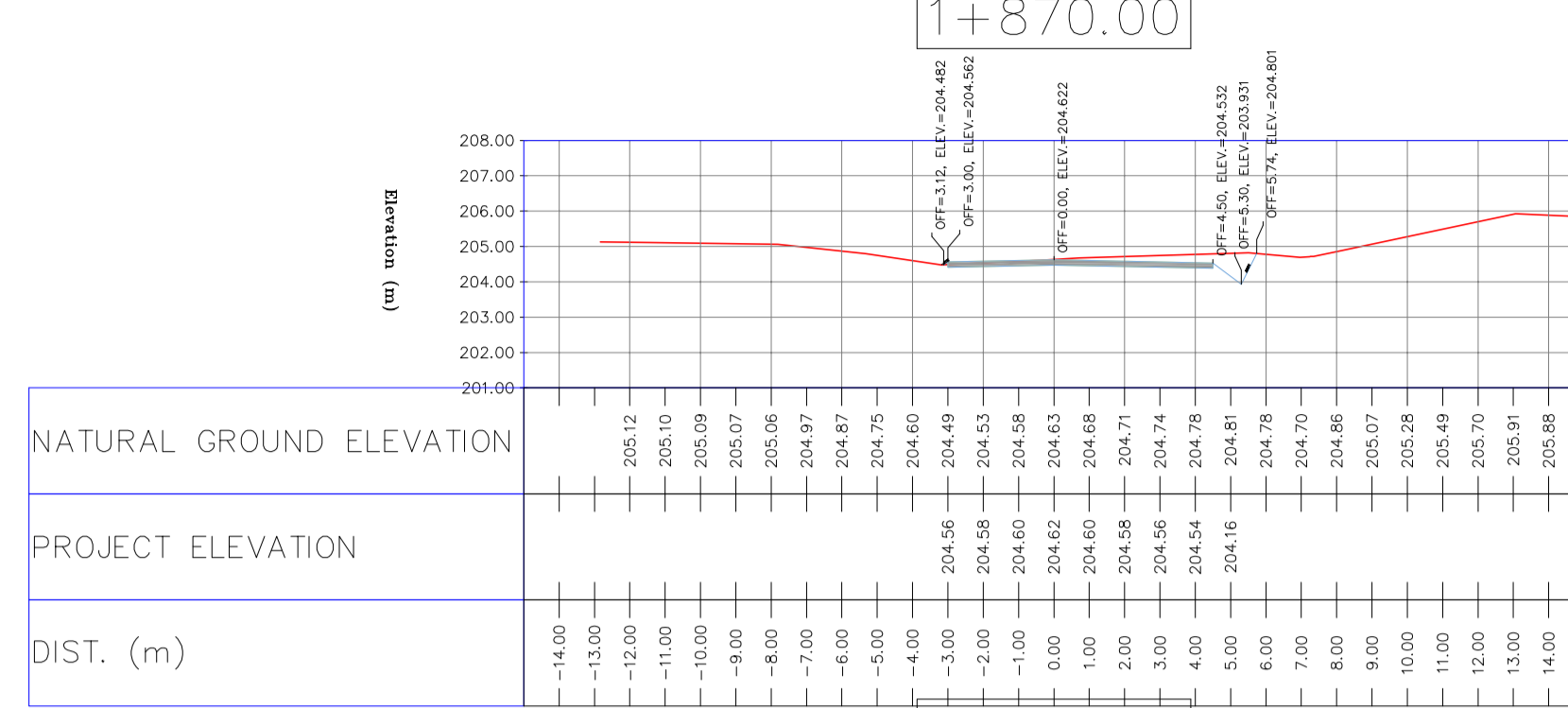
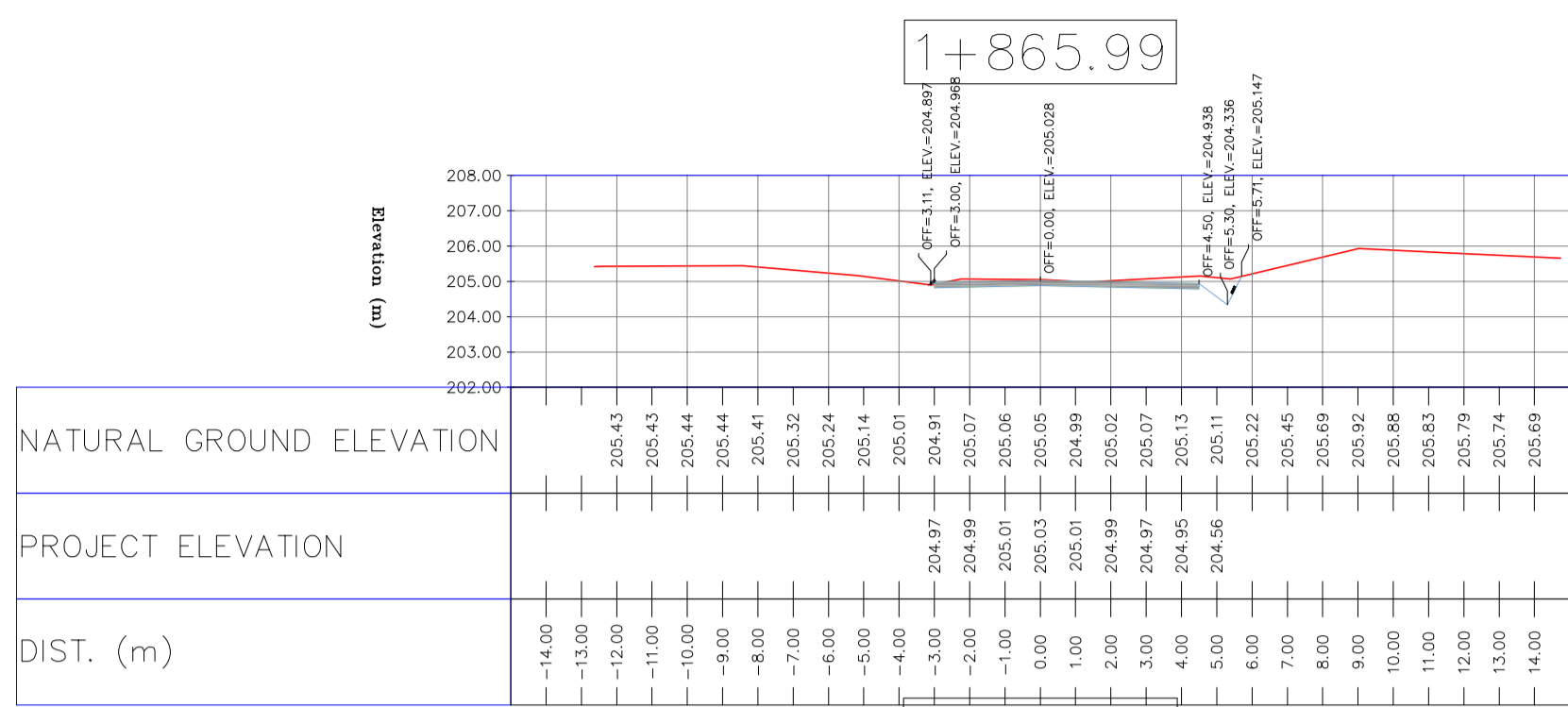


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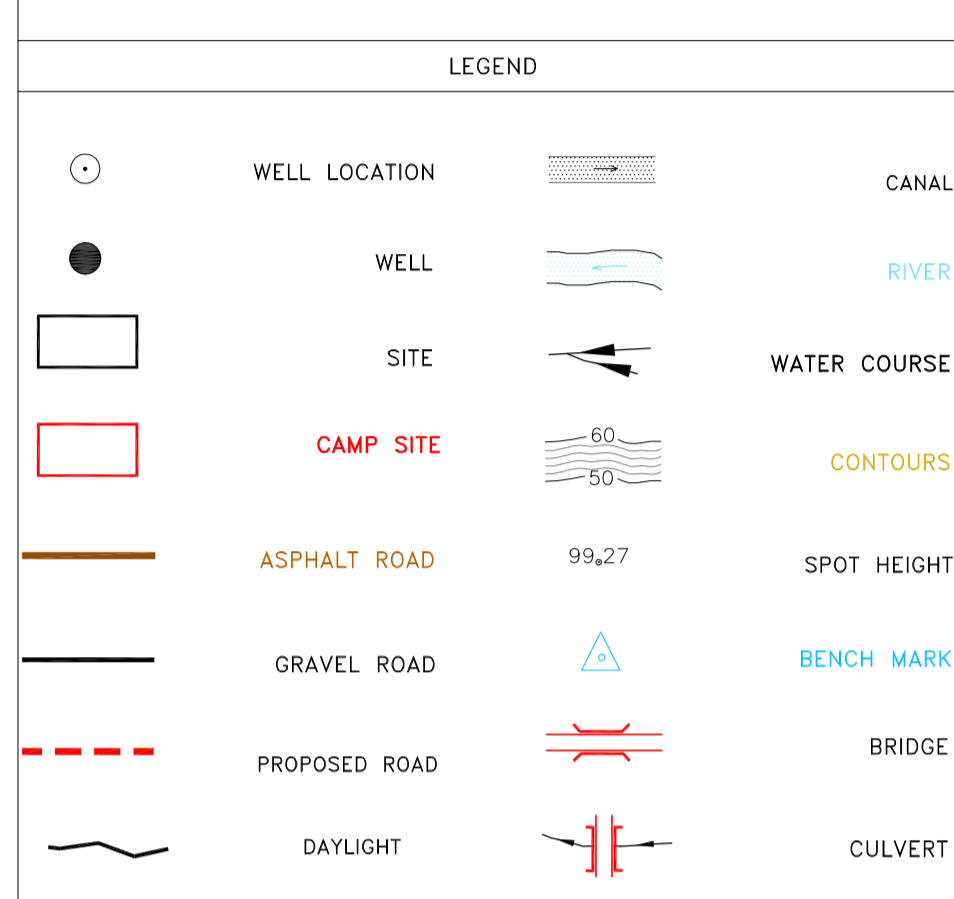
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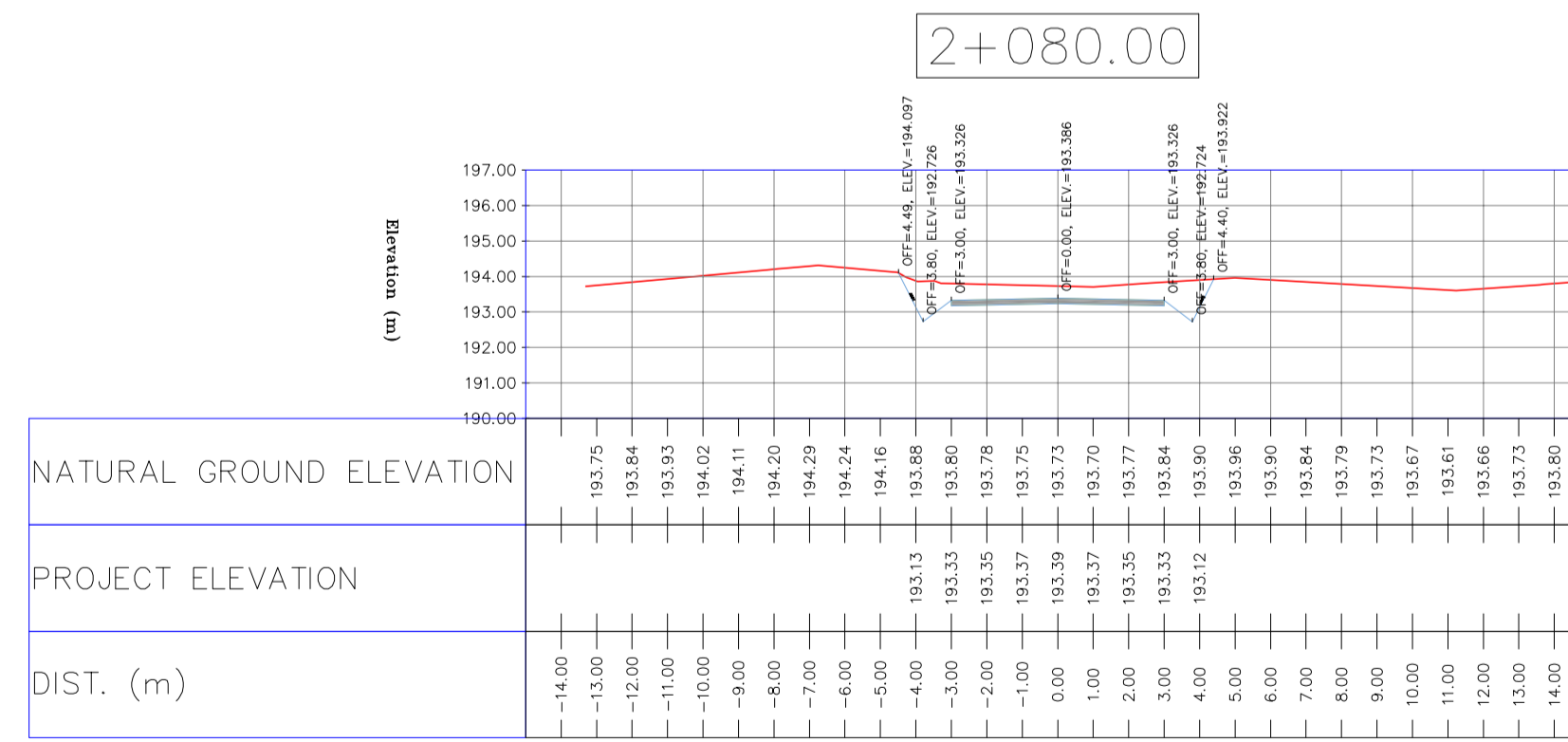
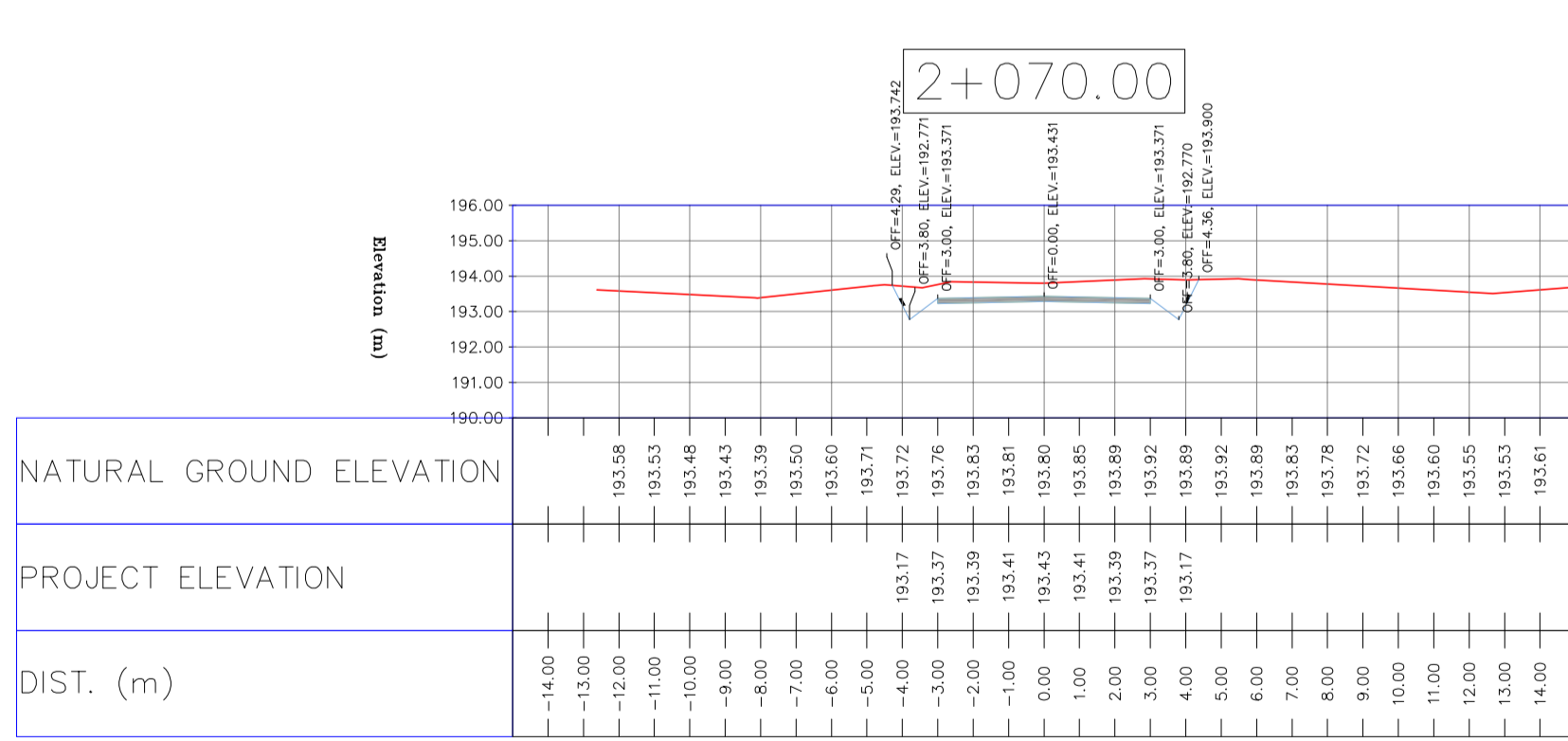
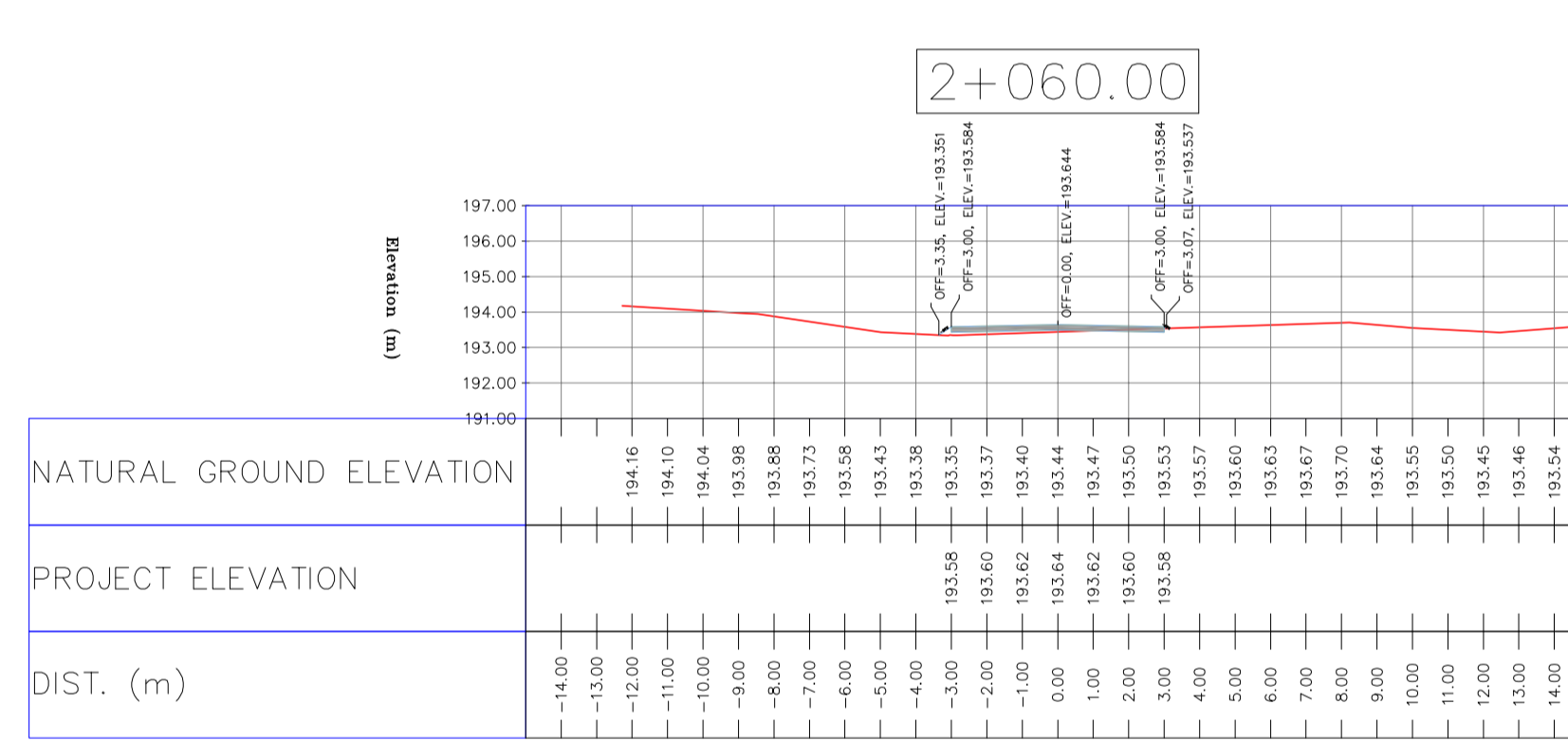
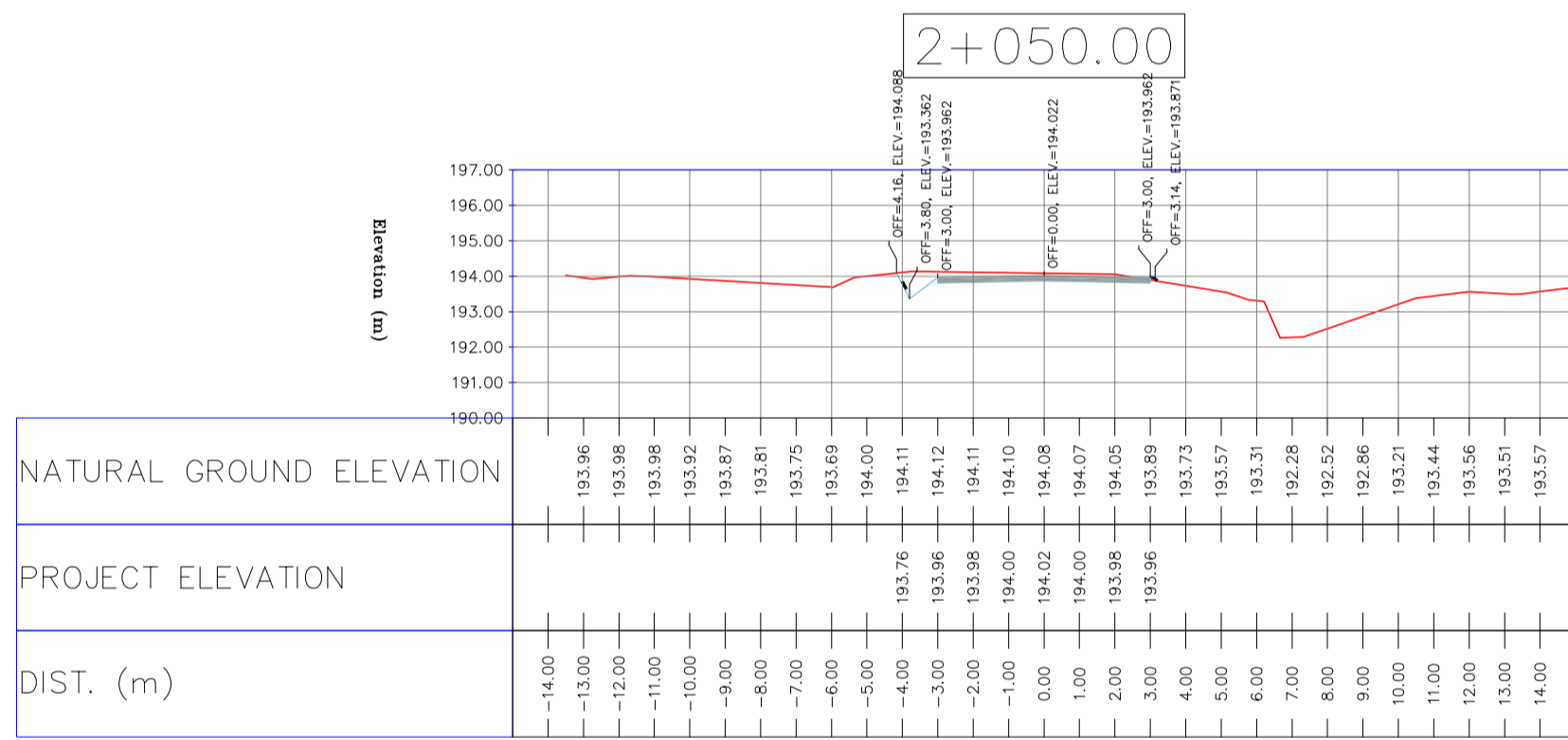
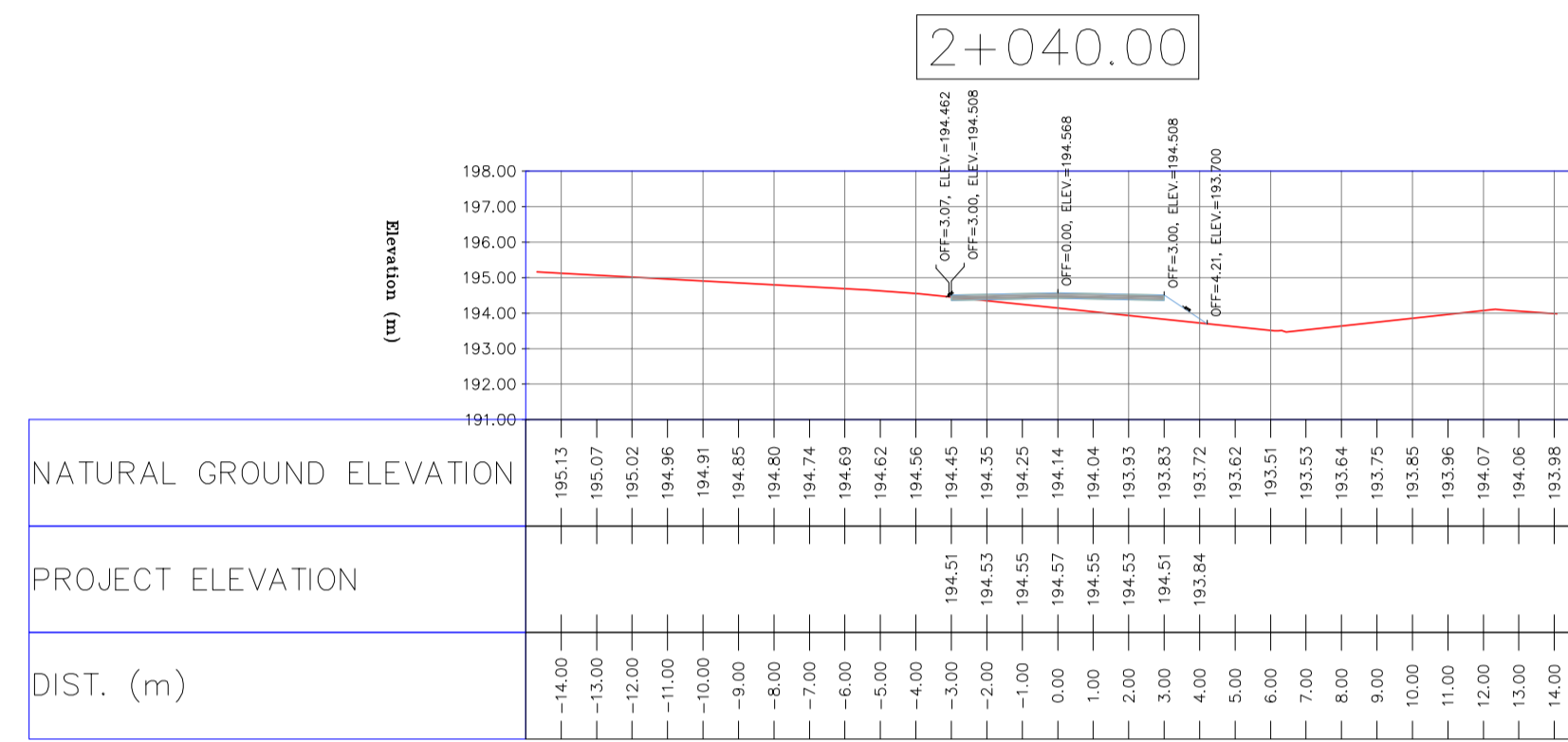
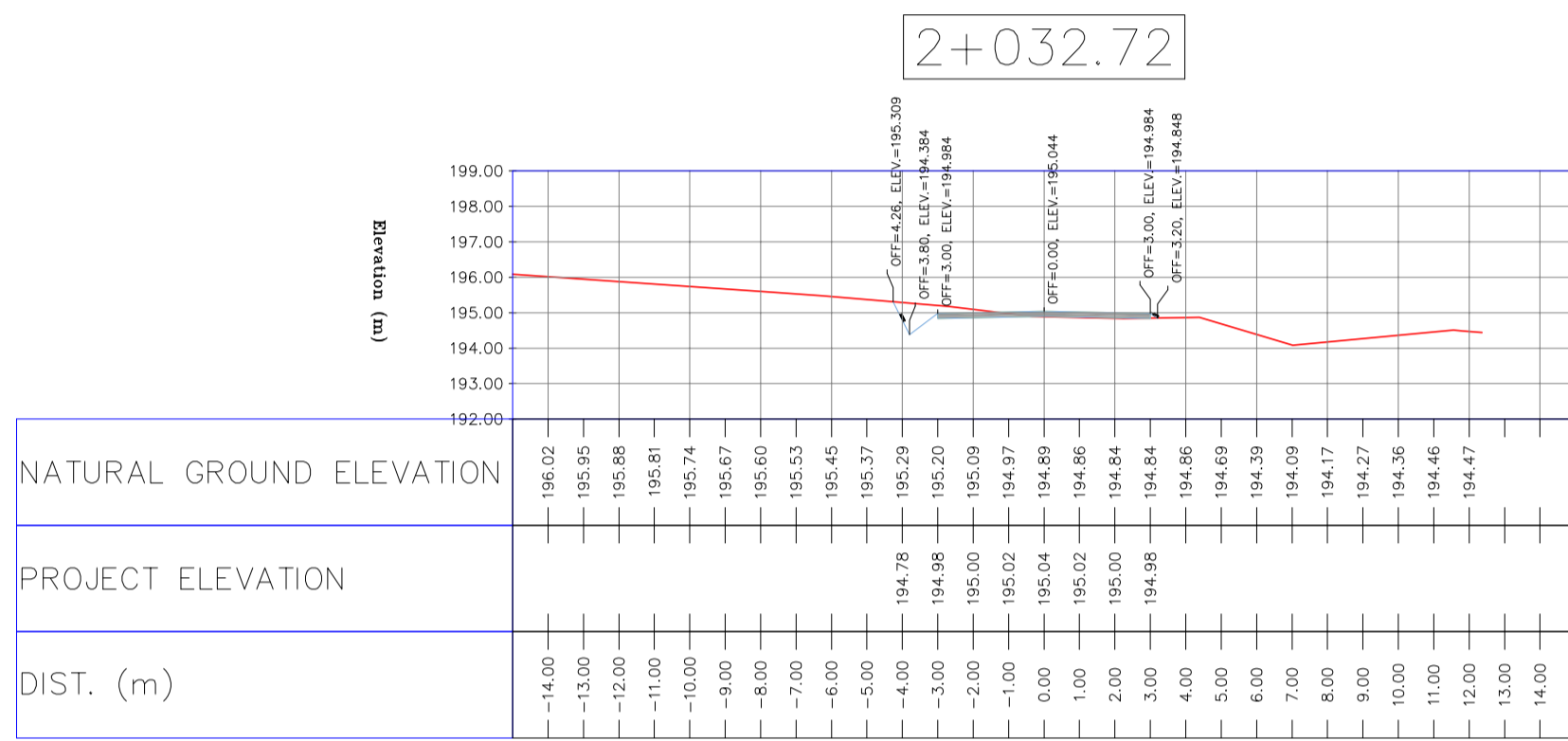
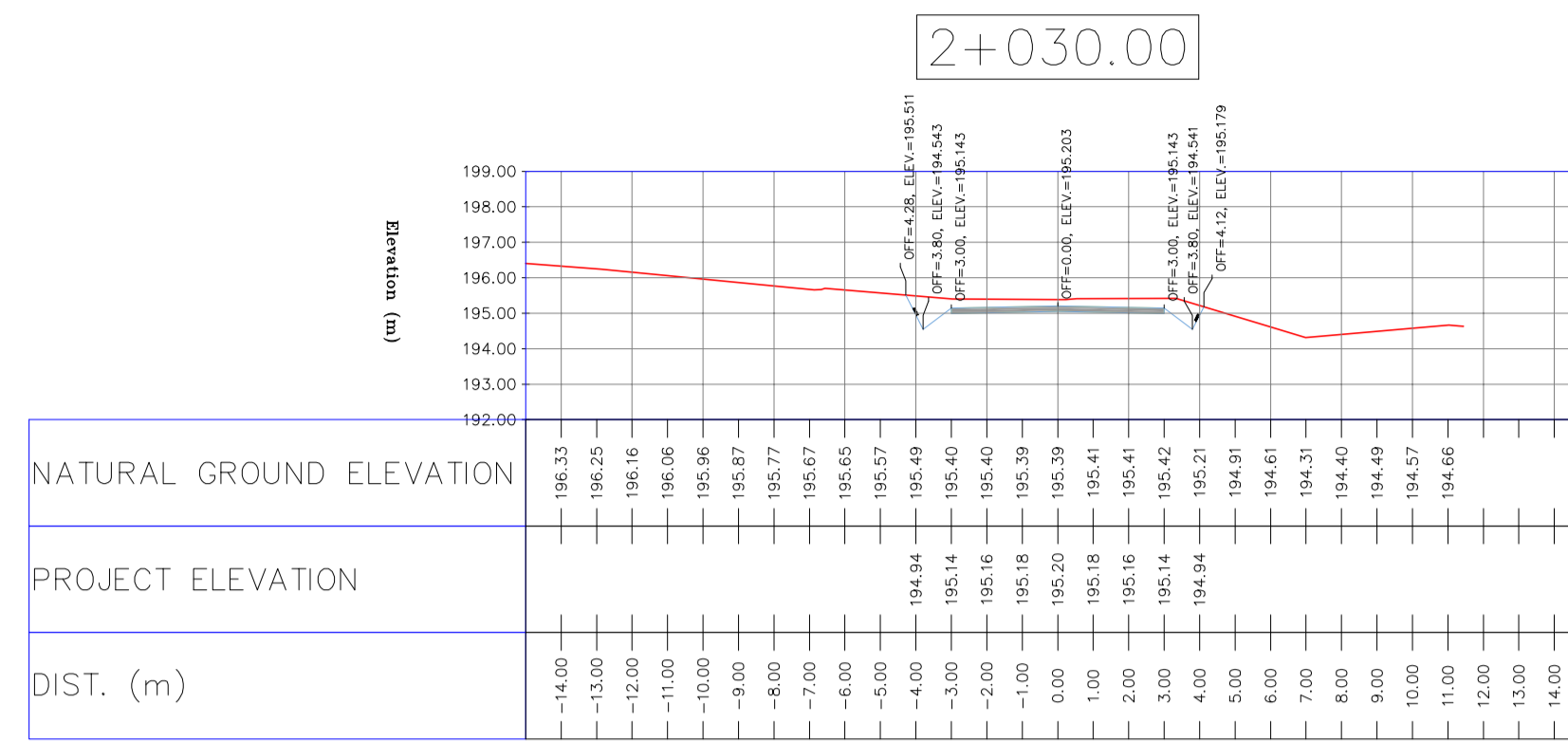
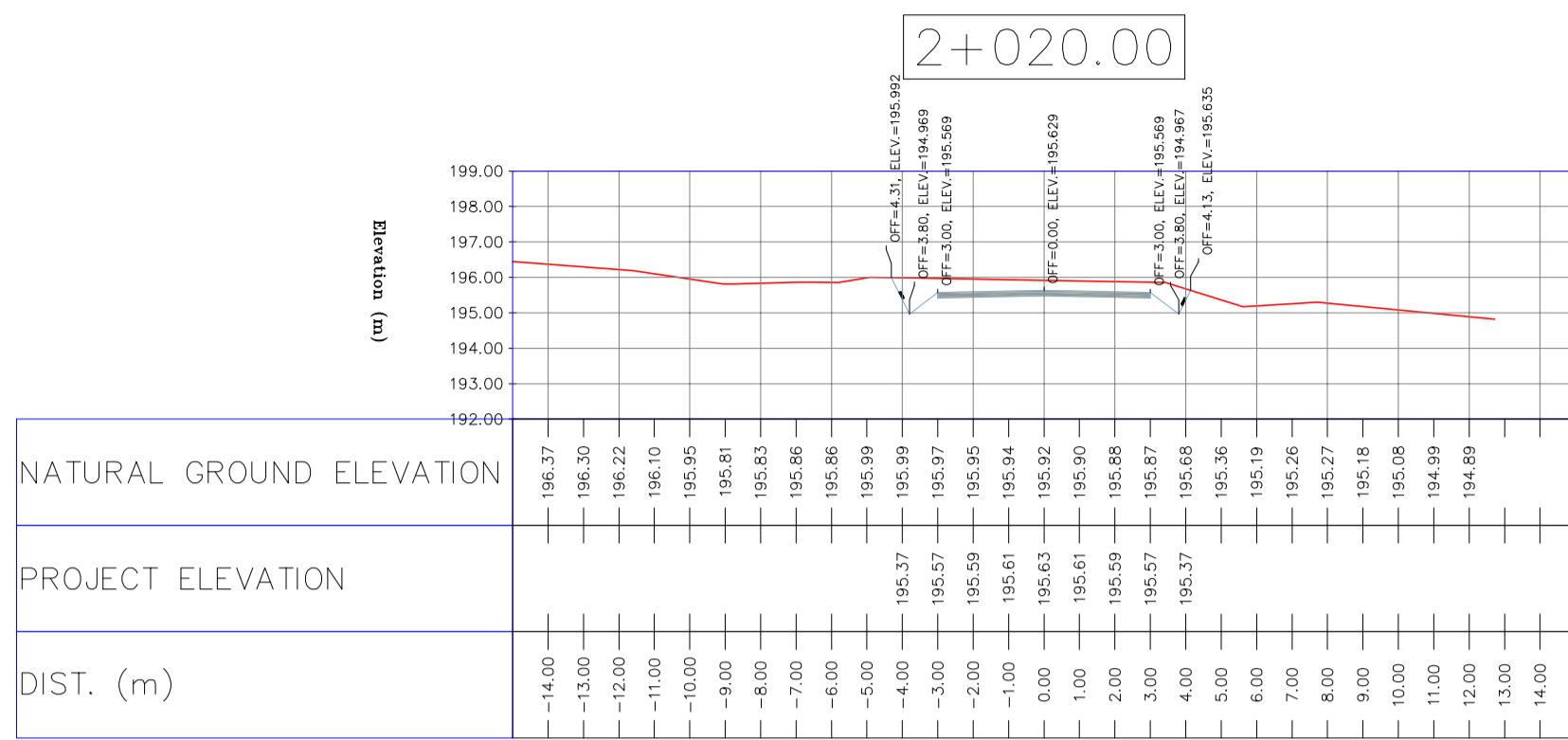
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	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		



NOTES

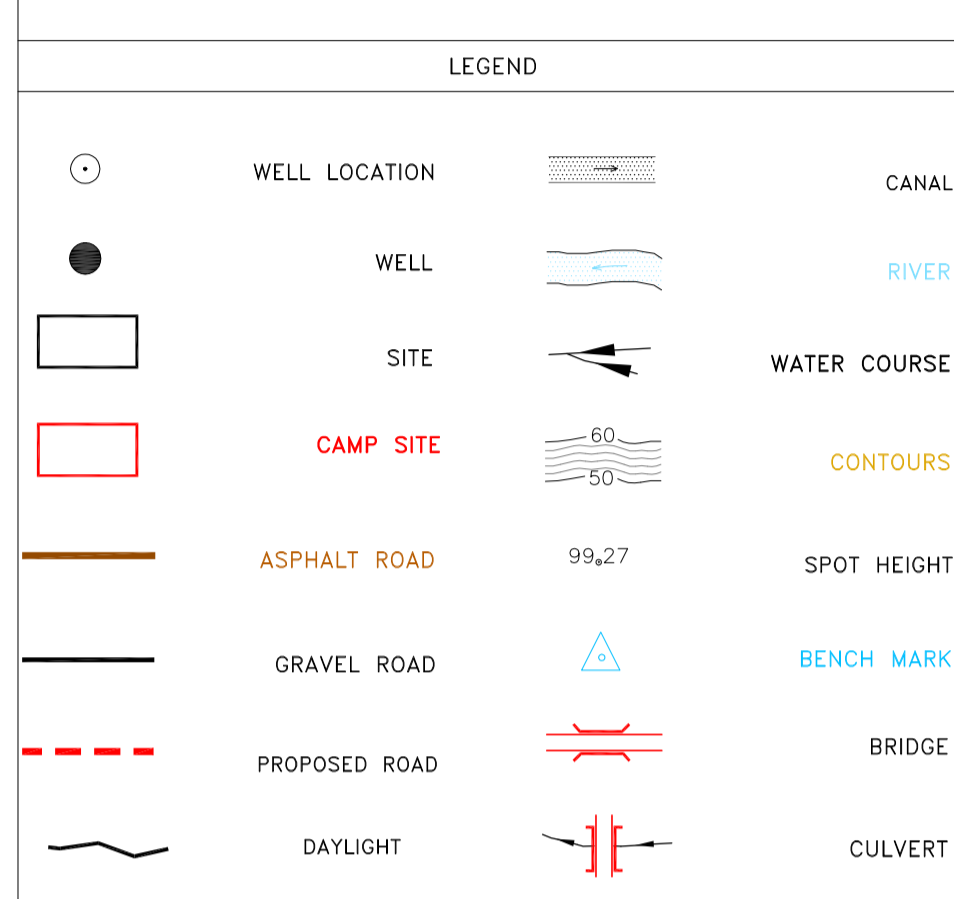
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NOTES

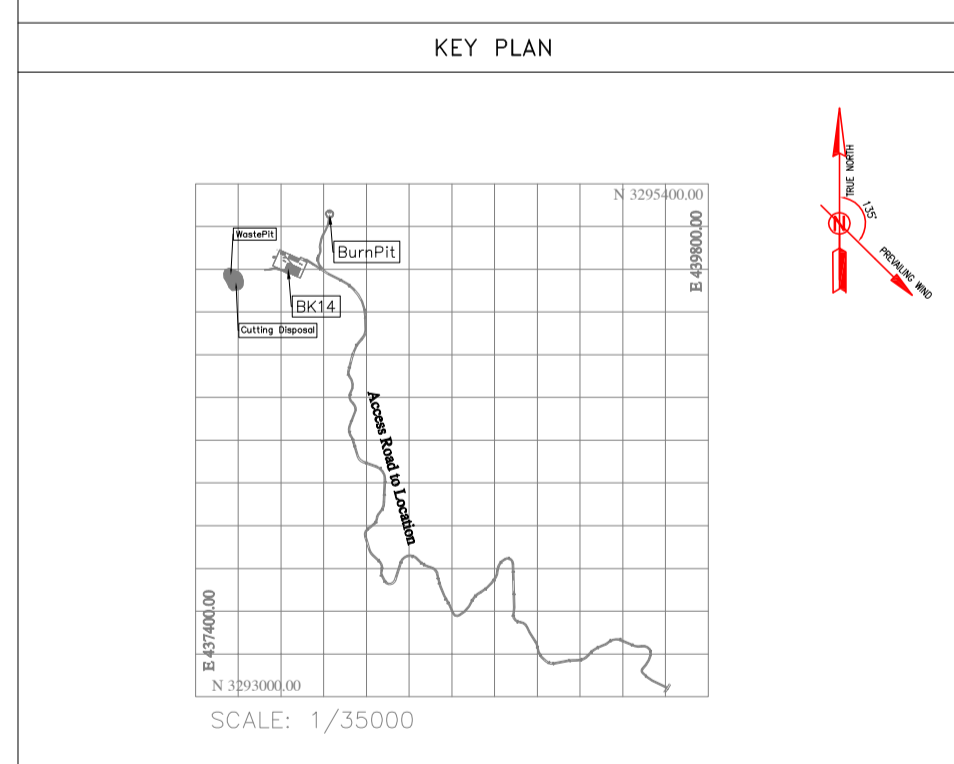
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ABBREVIATION

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

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

SCALE: H=1:200 V=1:200

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

SHEET NO. 58 OF 99

REV. D05

BUDGET REF. 053-073-9184

LOCATION F

SIZE 4

CLASS S

SERIAL NO. 708209

SHEET 58

REVISION D05

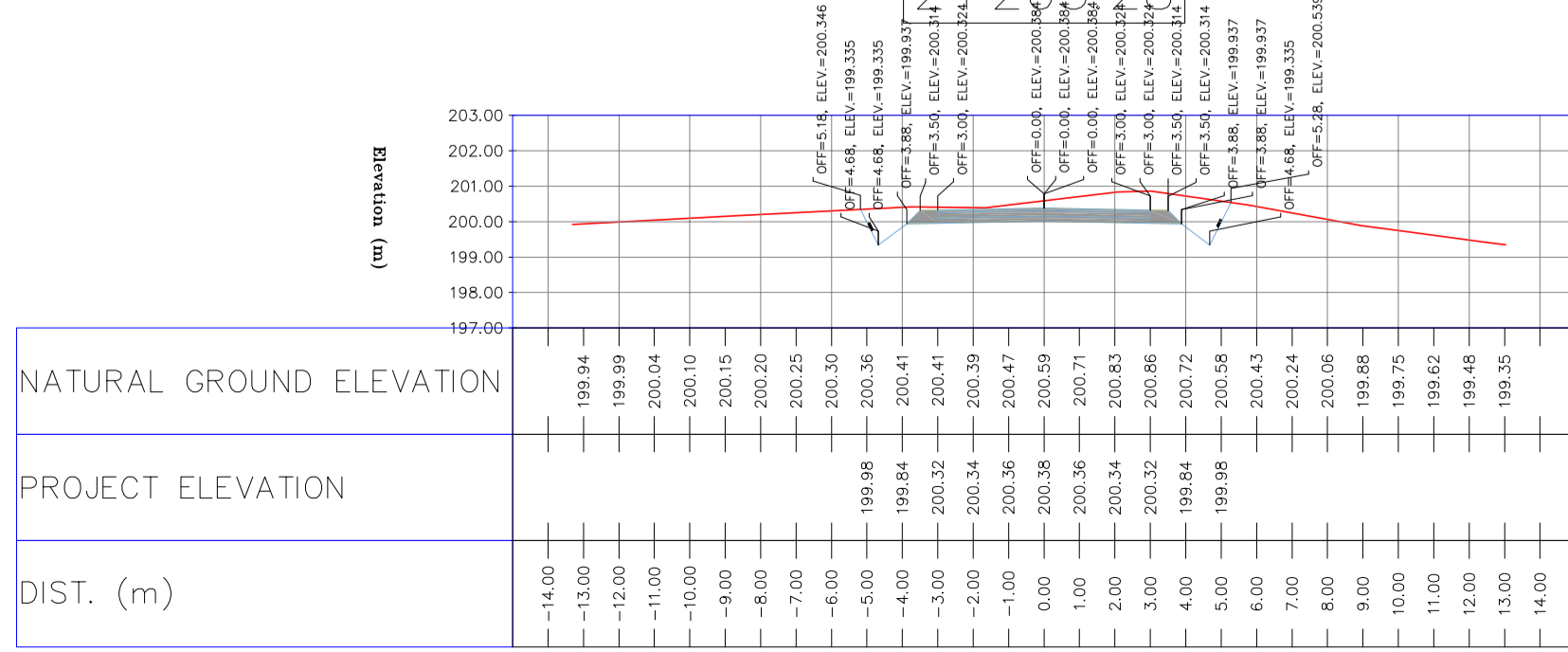
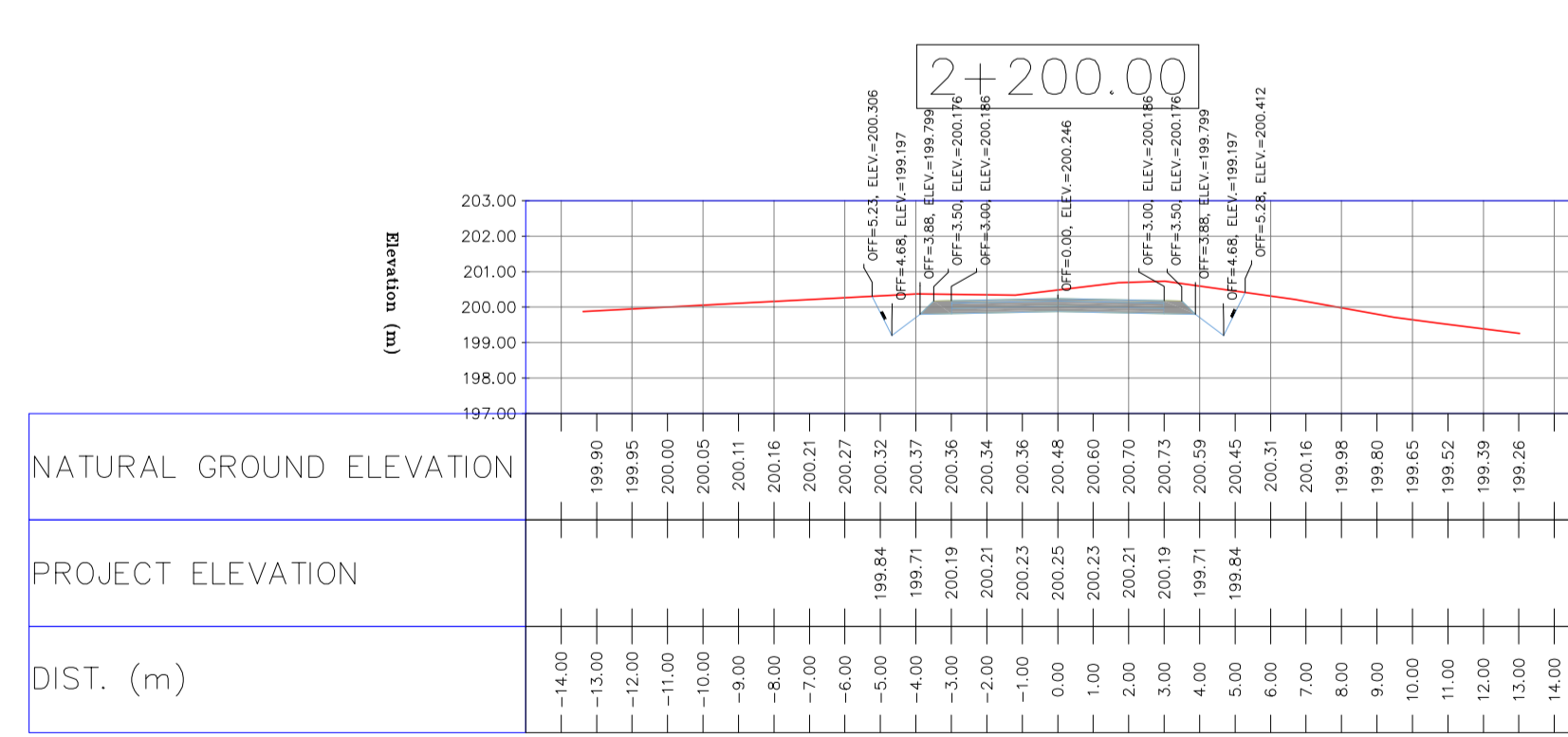
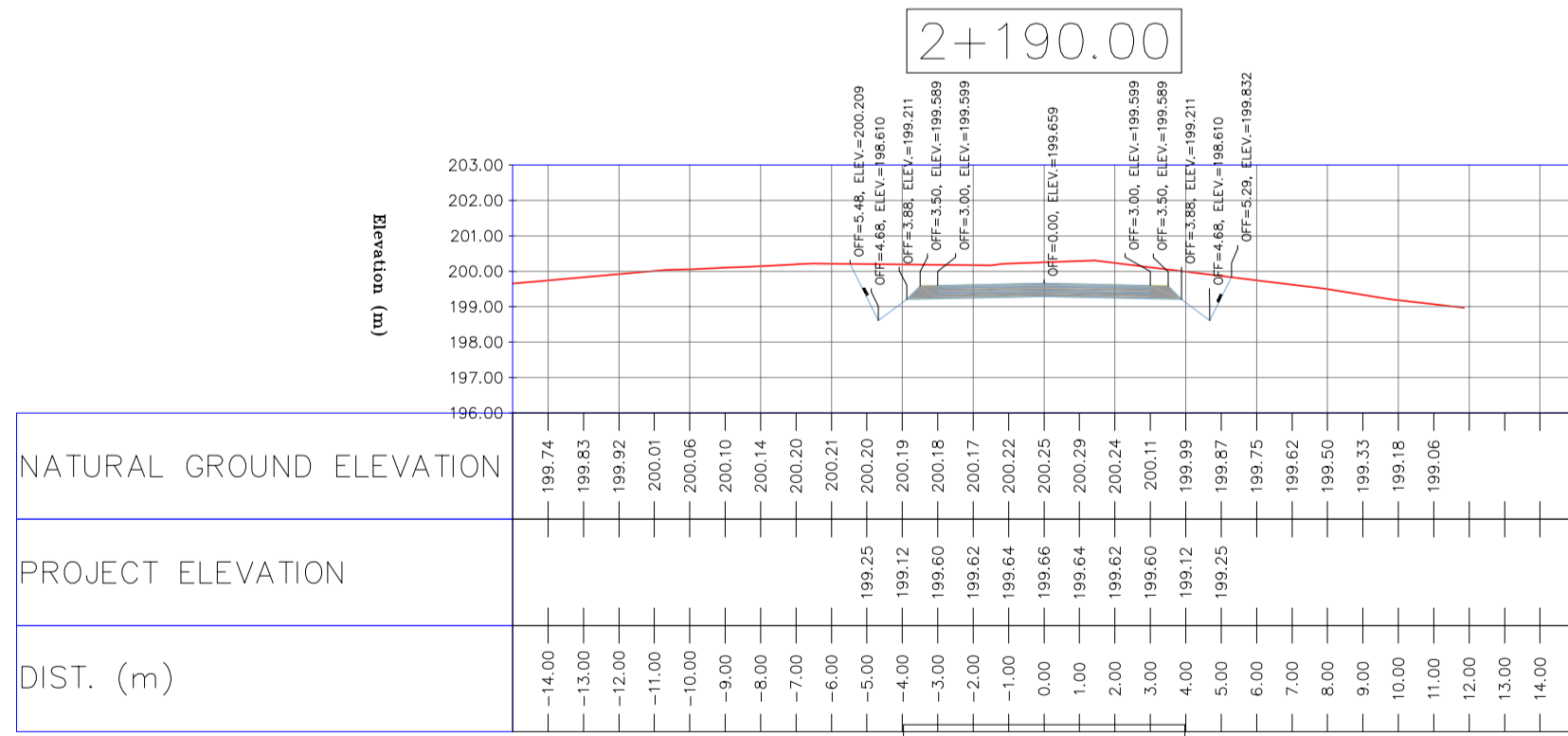
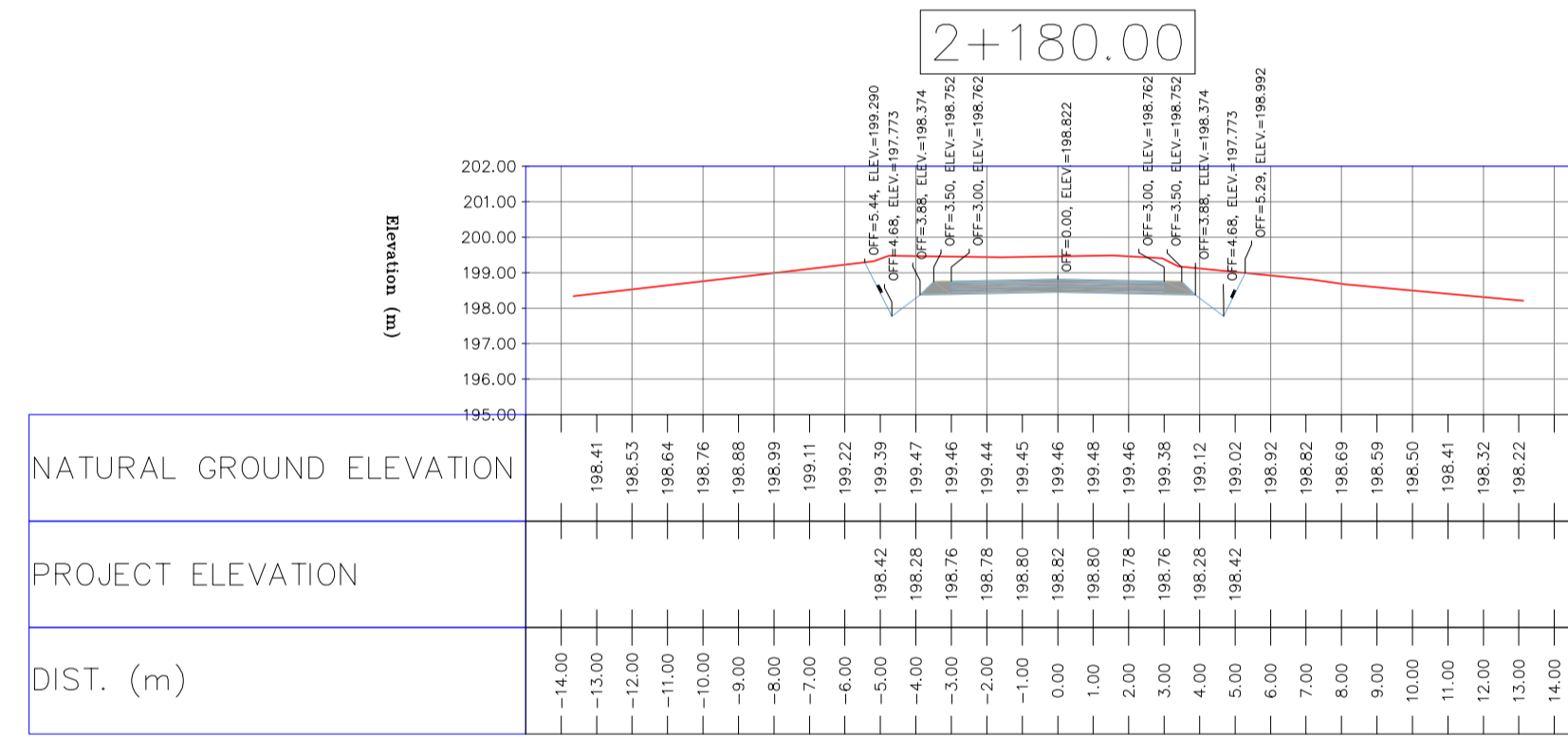
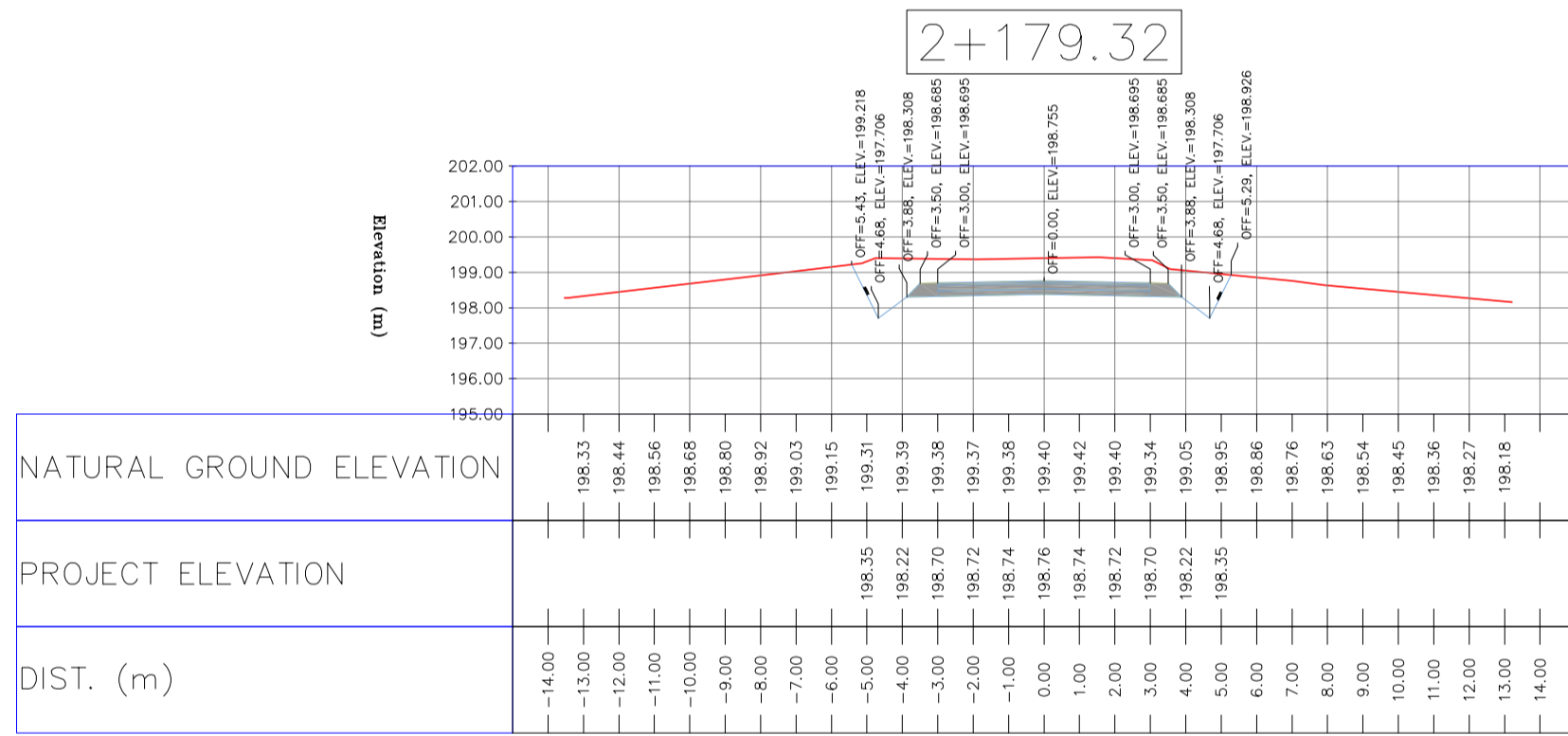
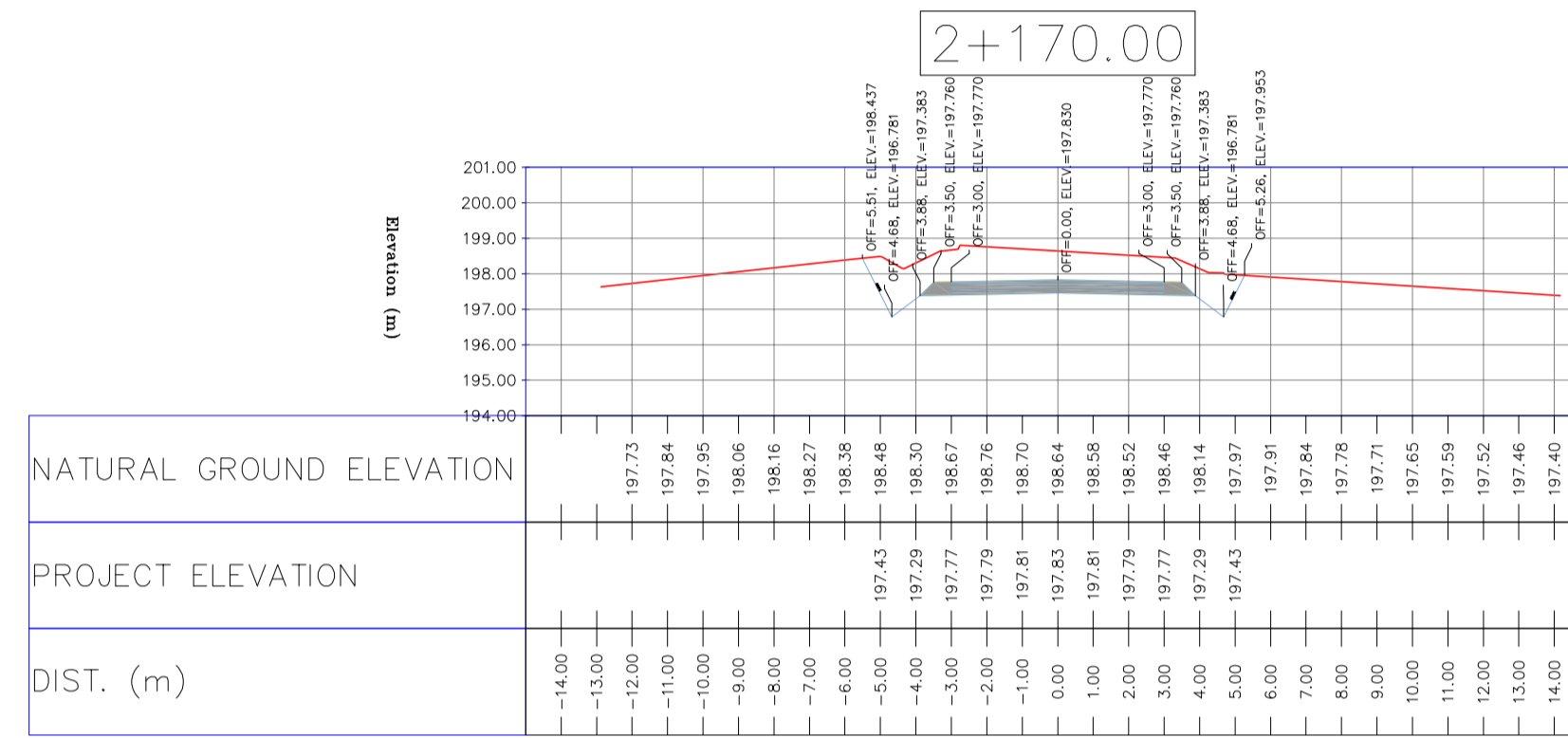
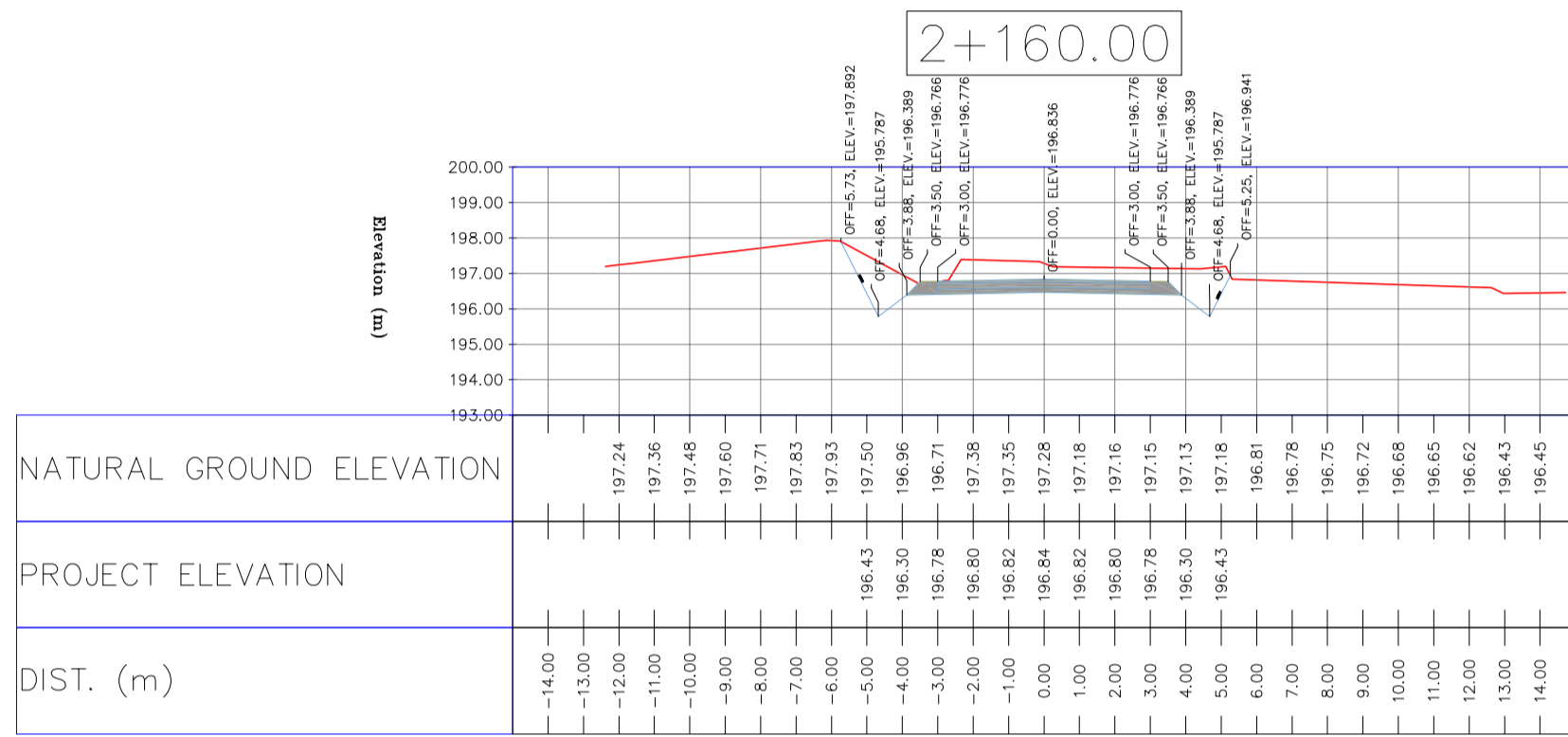
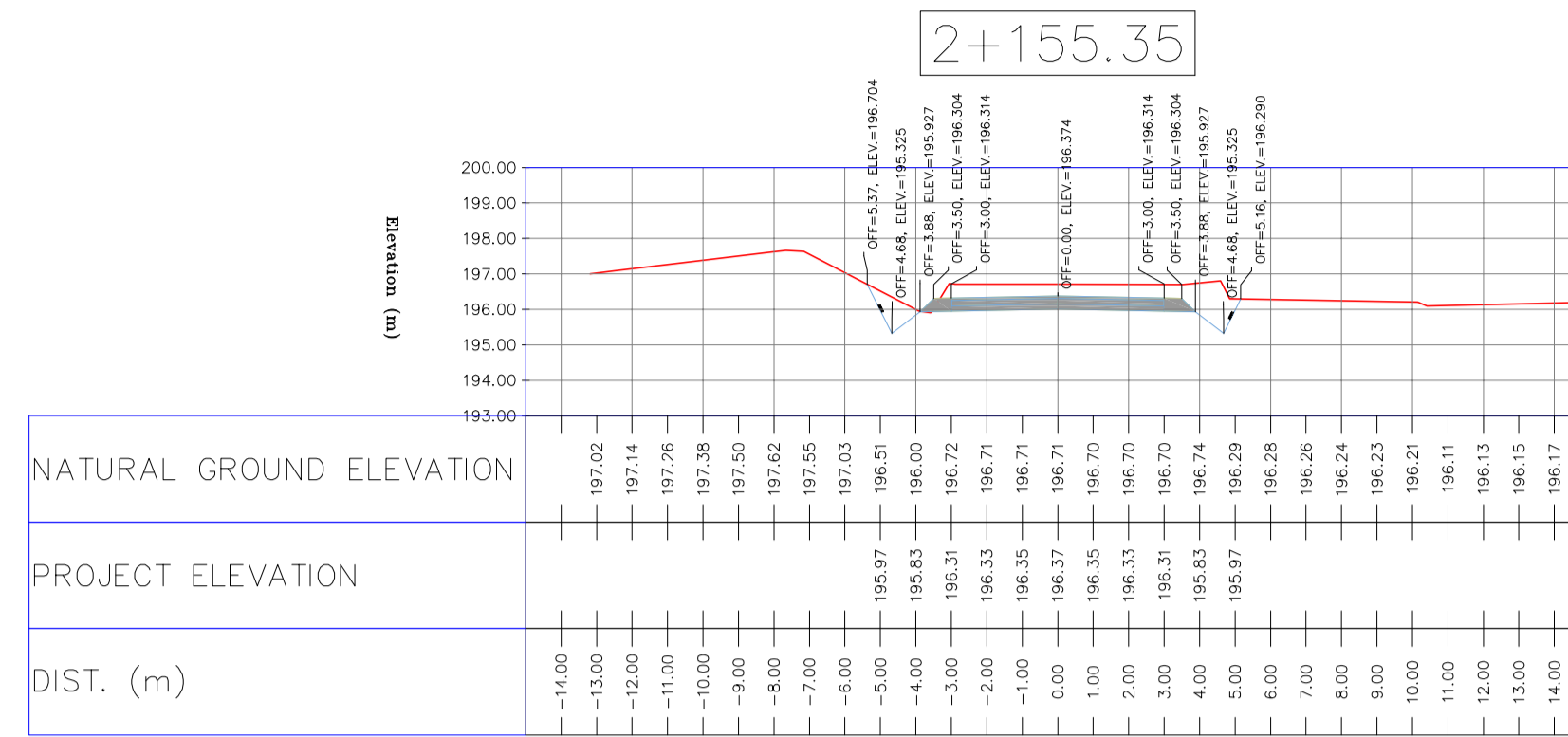
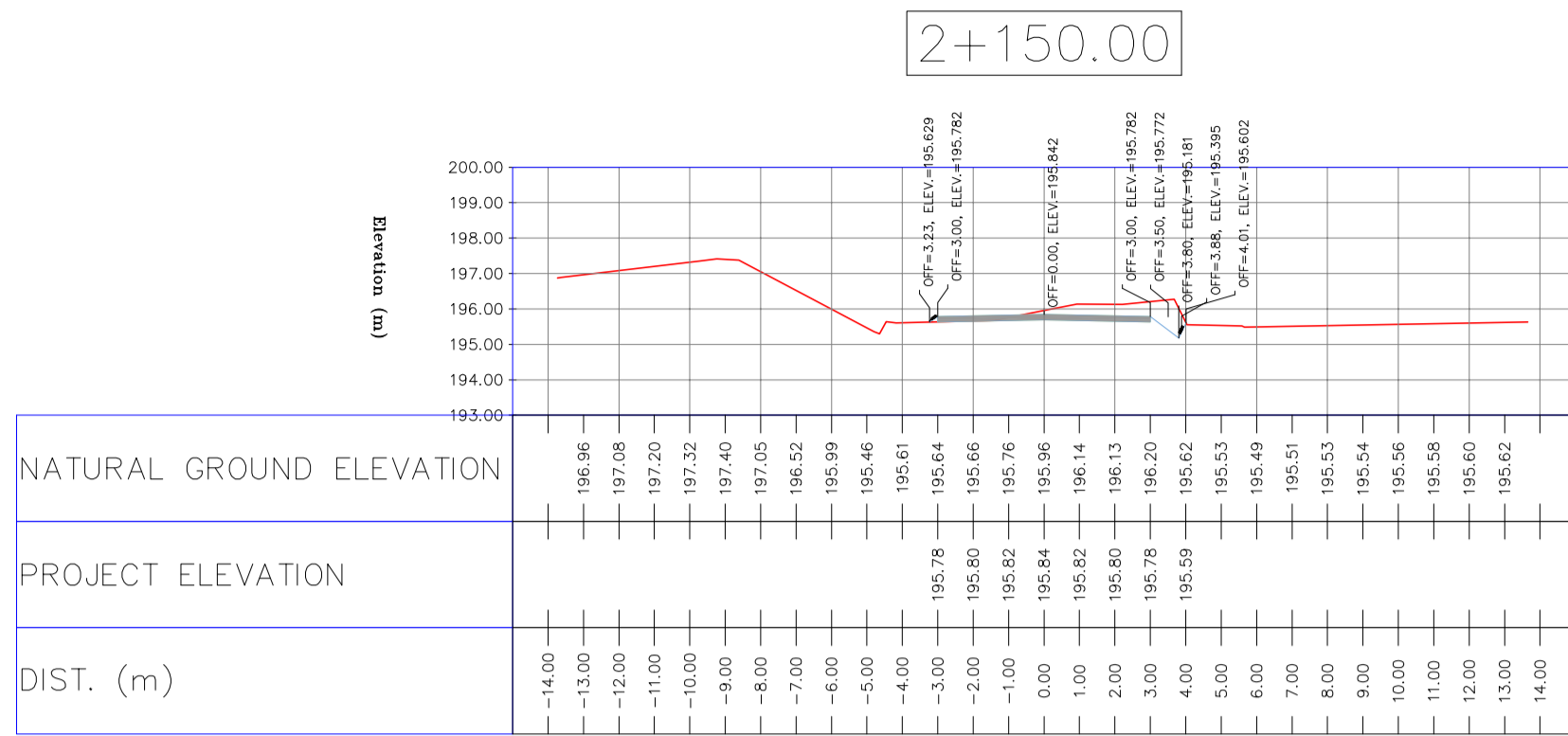
اخذ و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد. THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:



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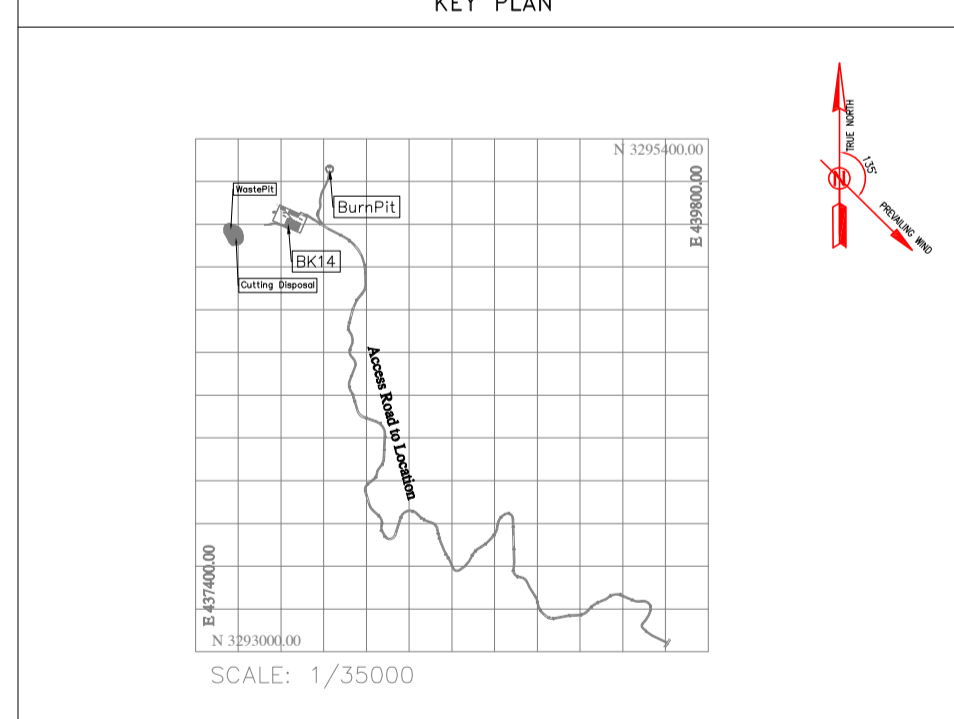
LEGEND

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

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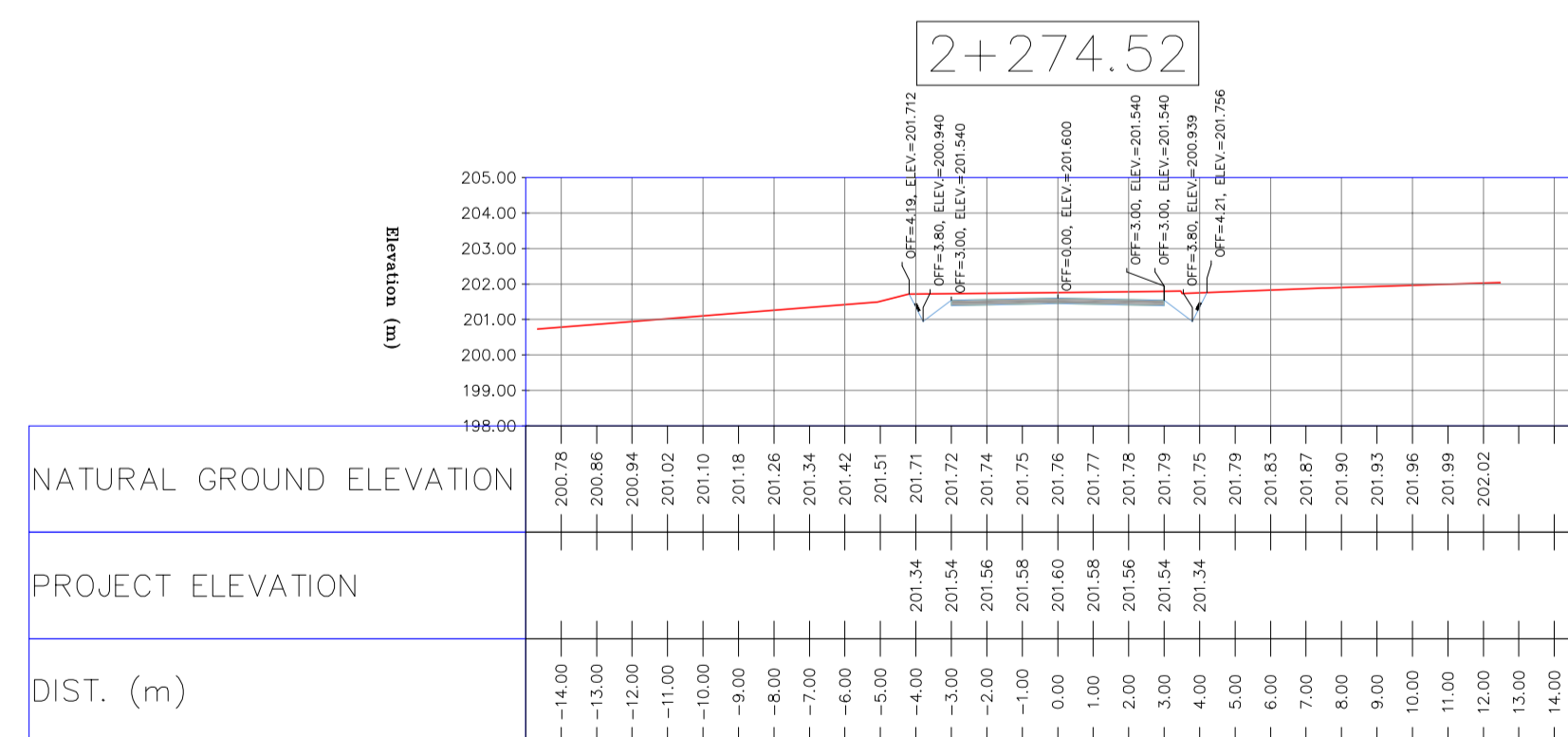
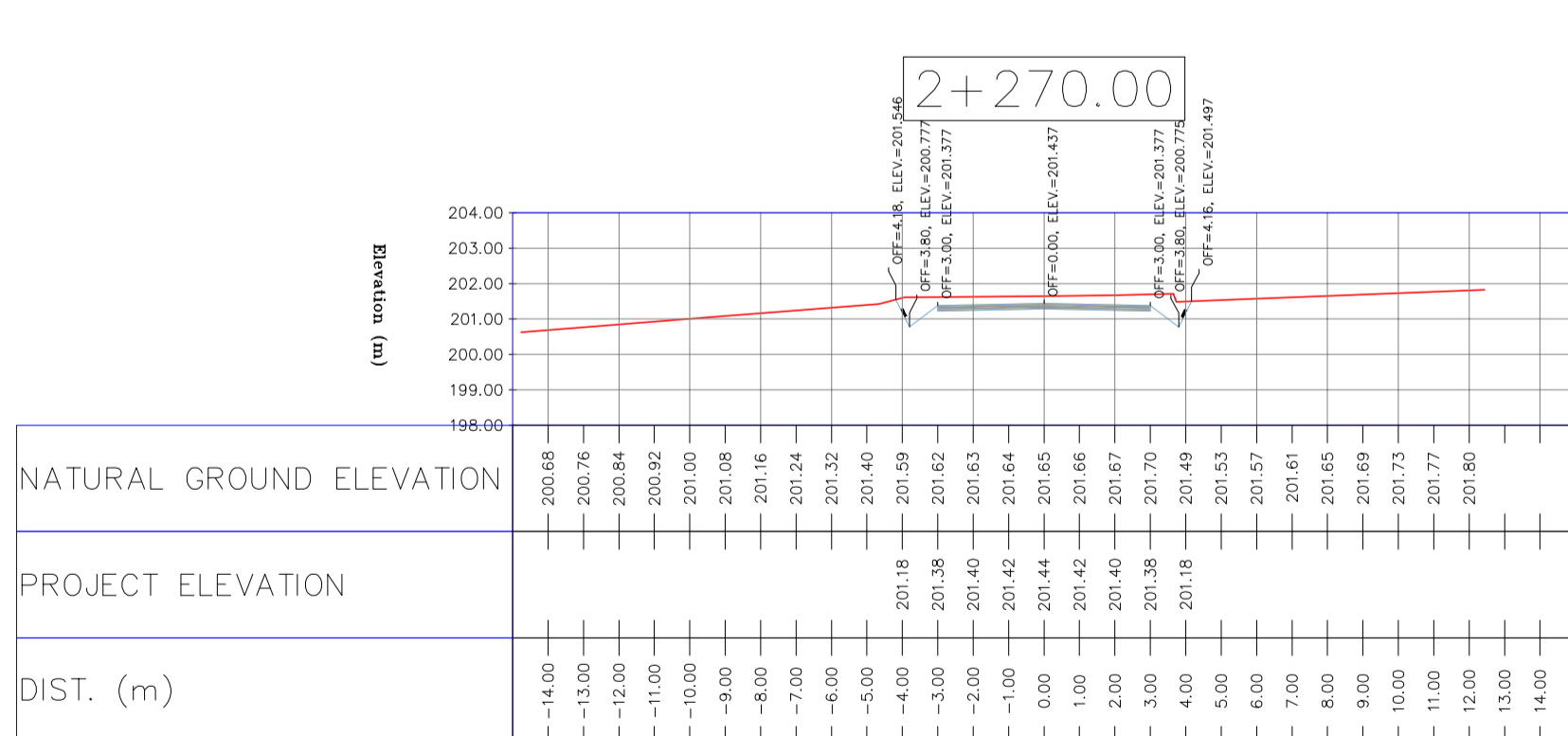
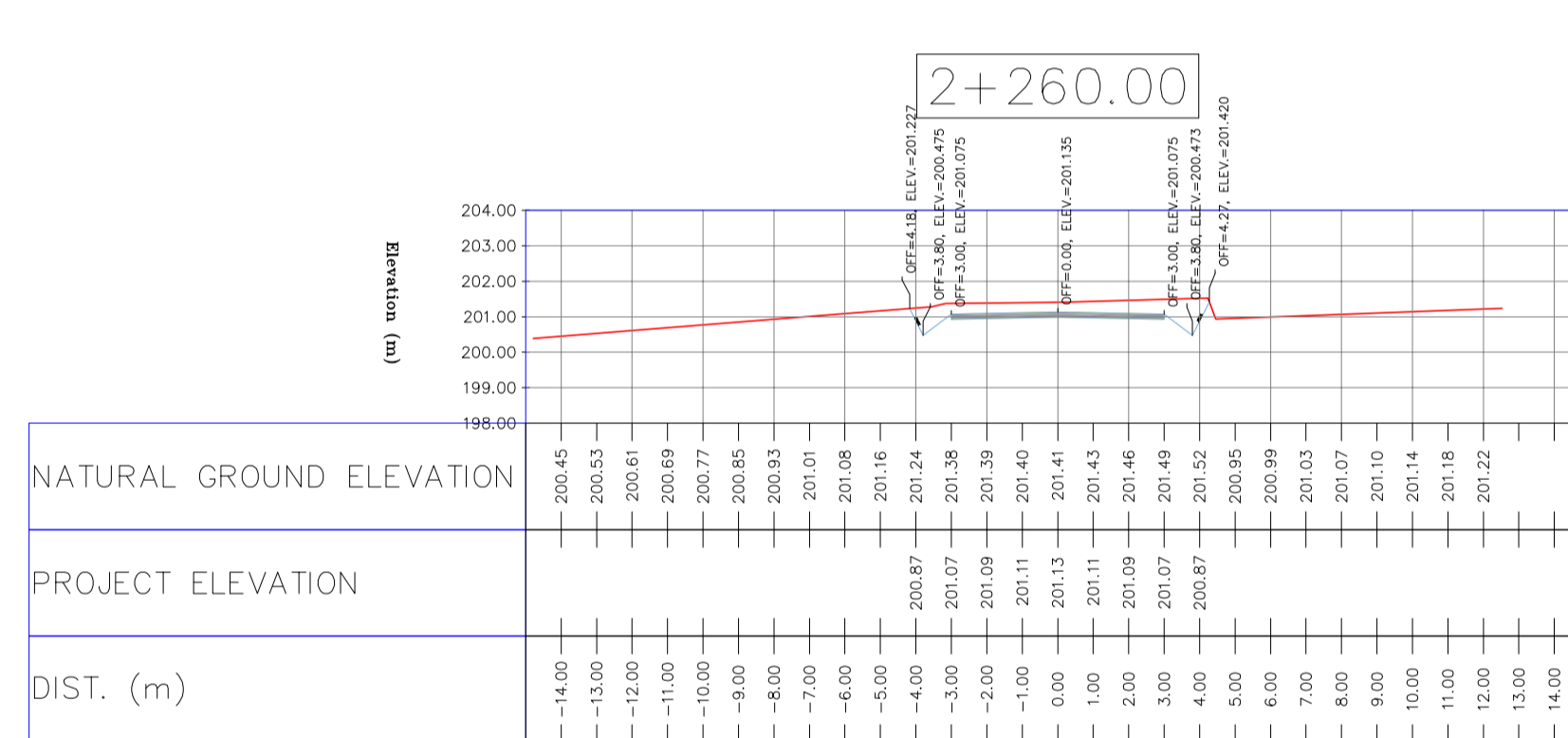
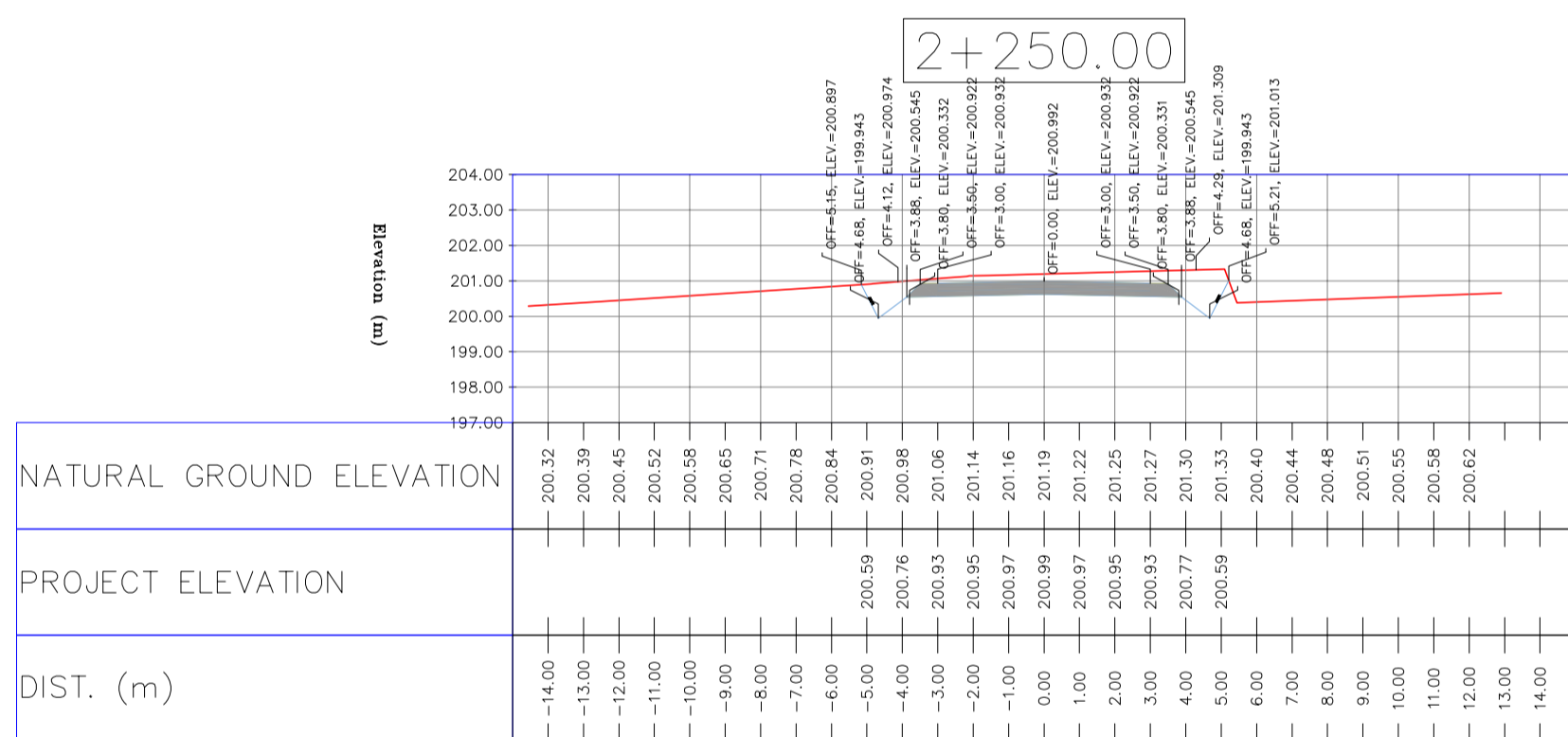
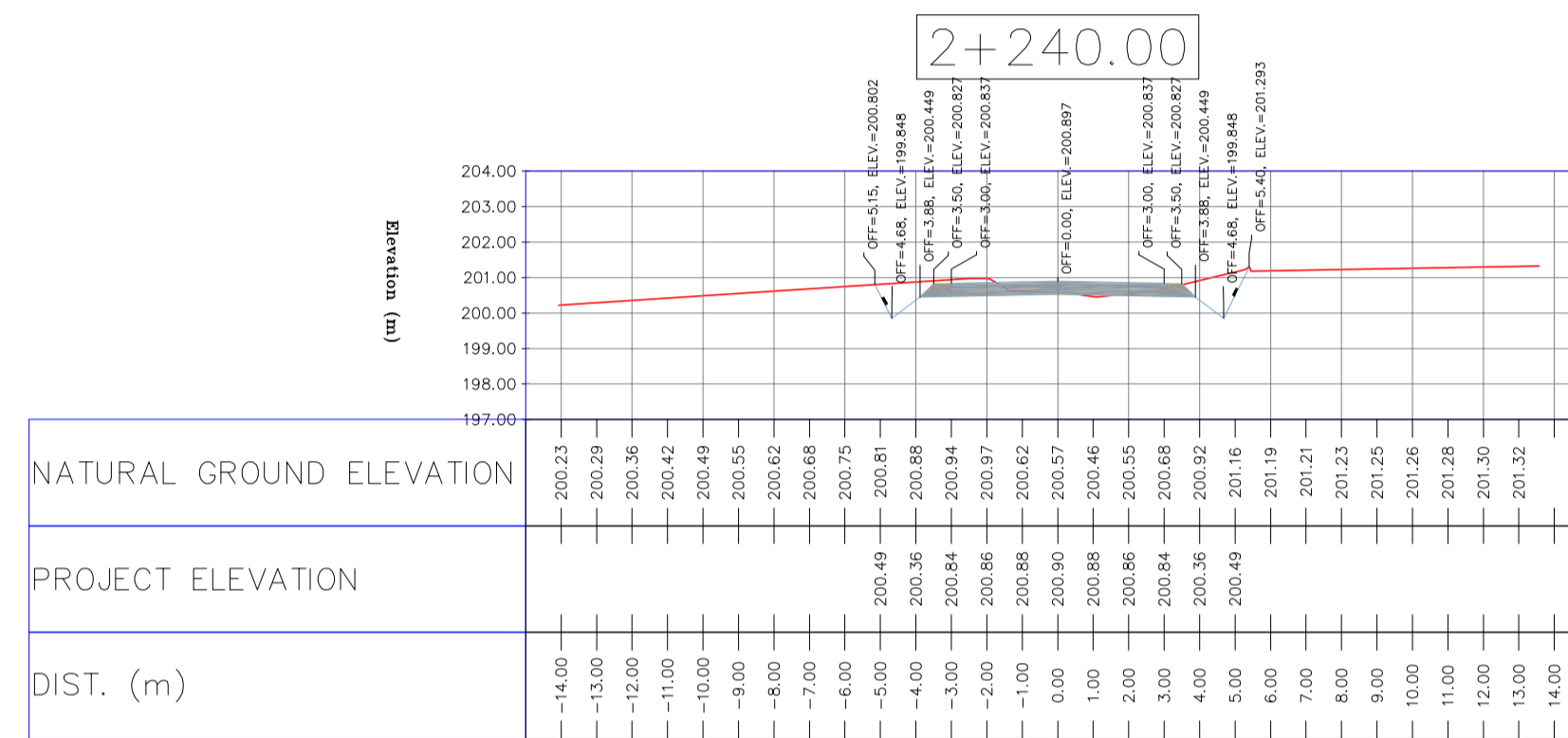
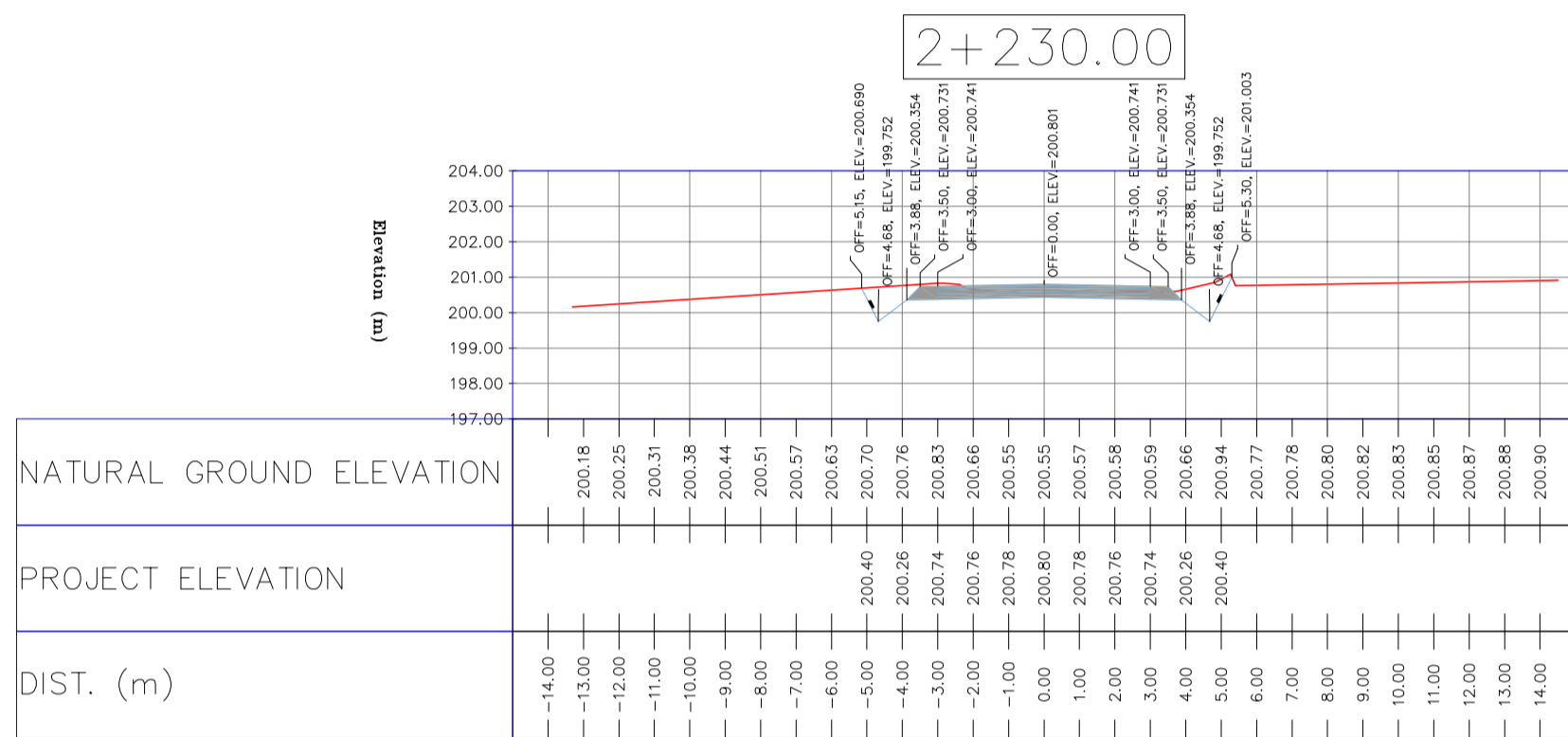
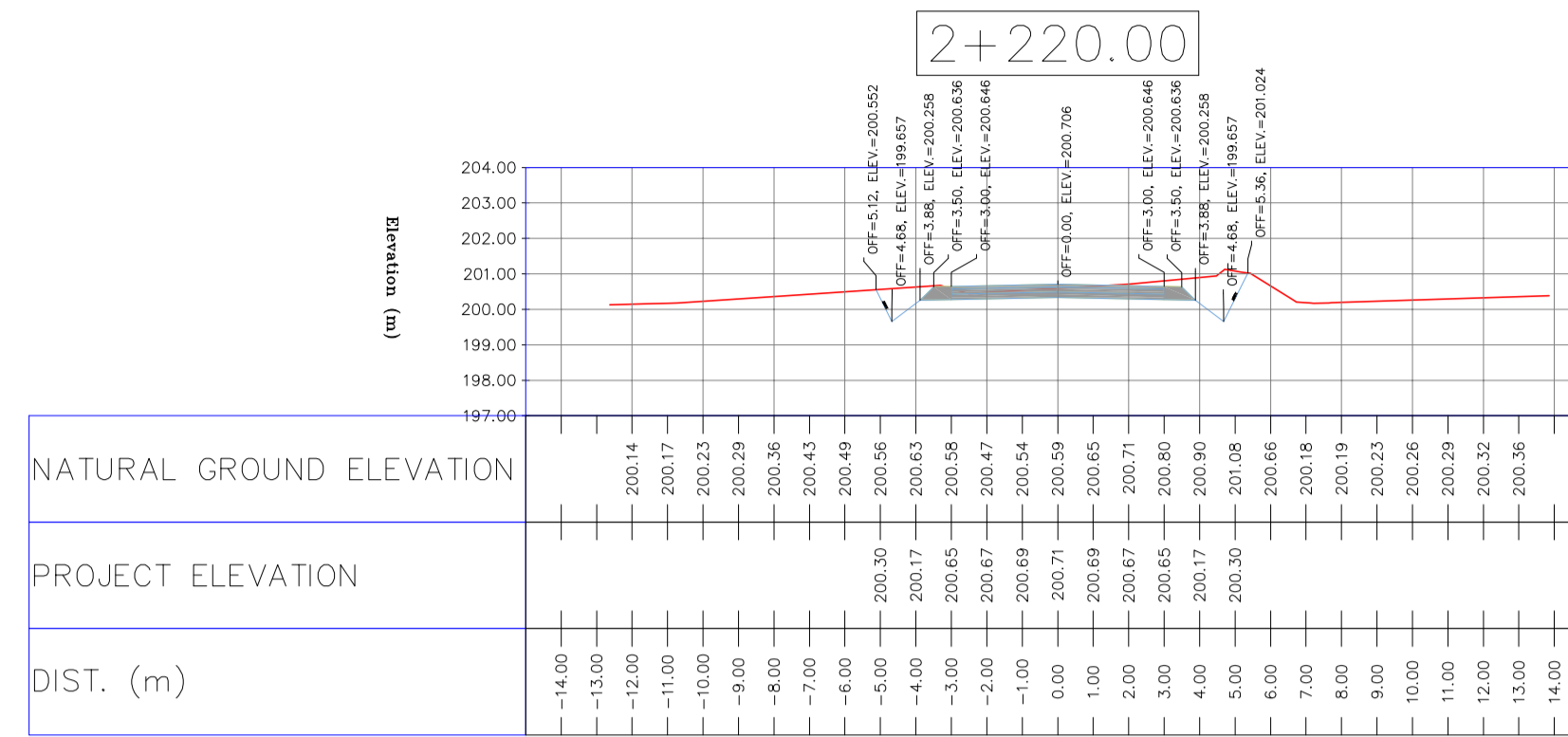
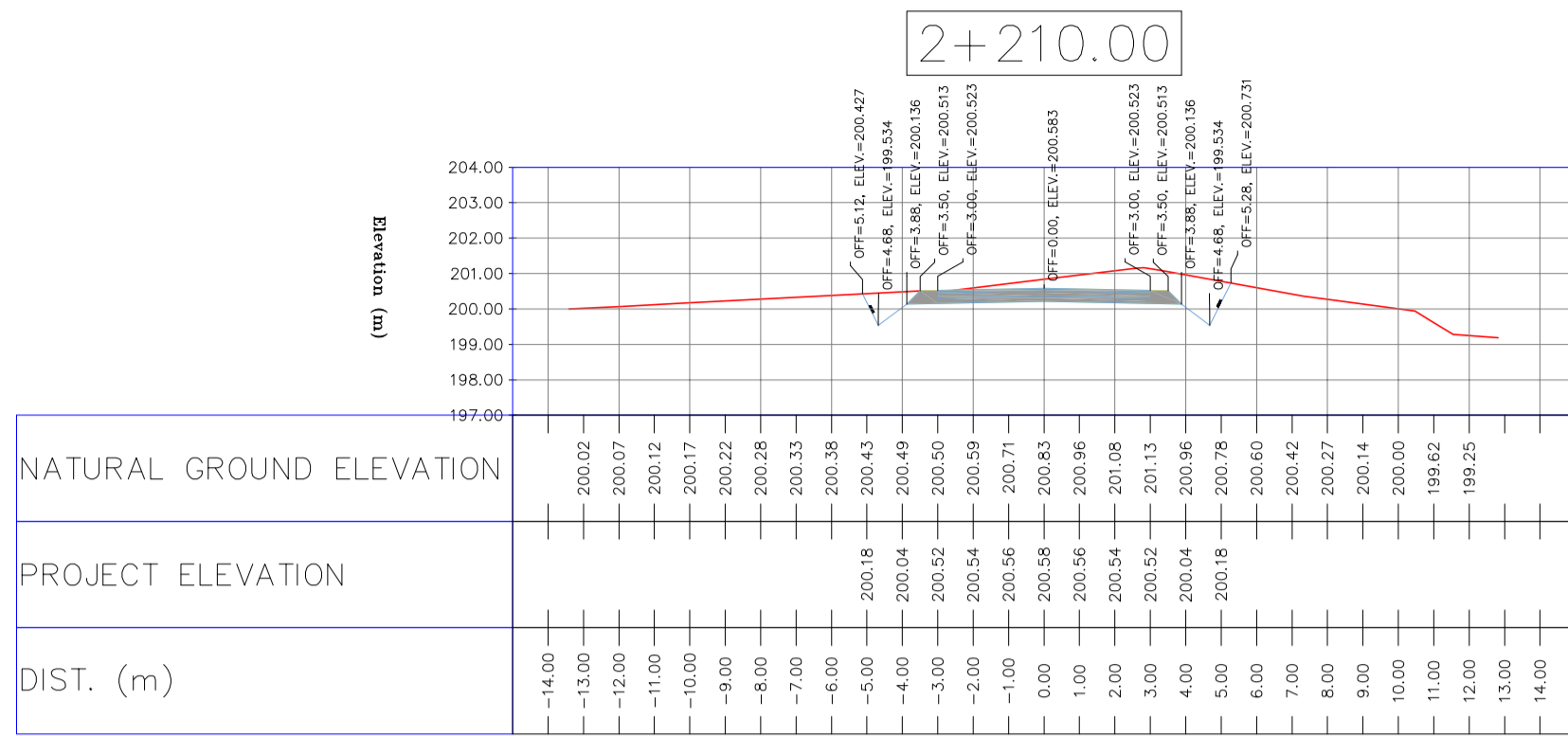
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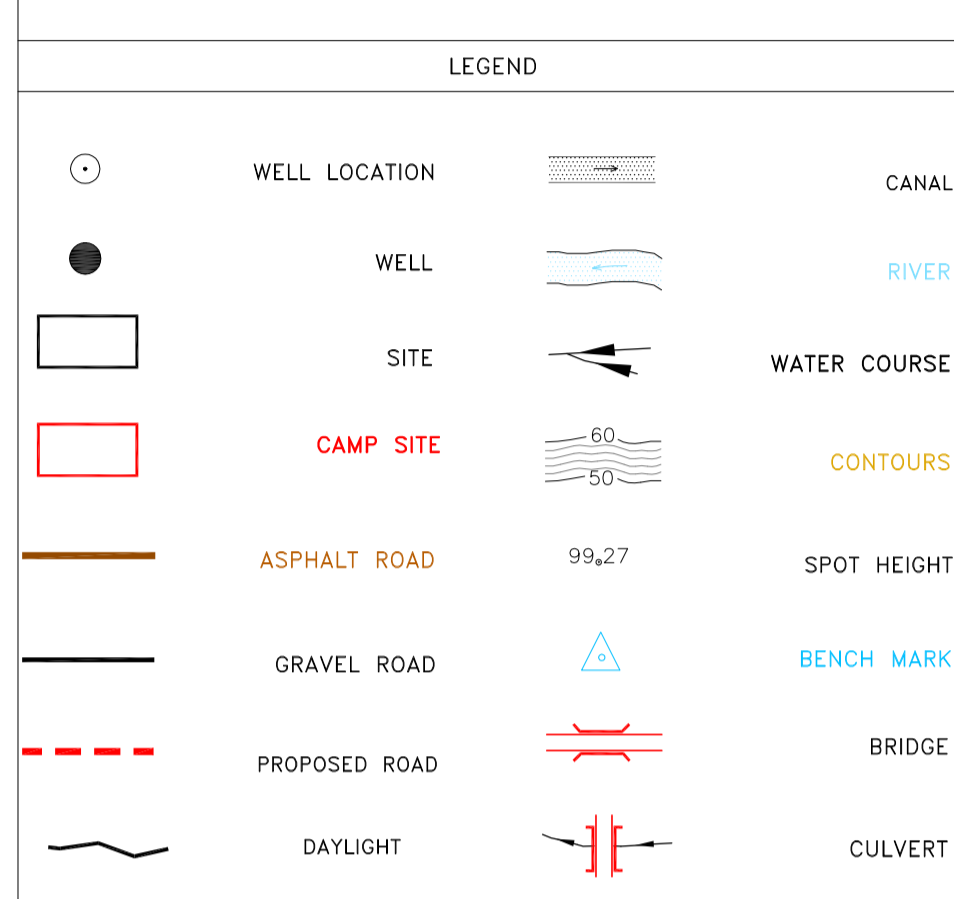
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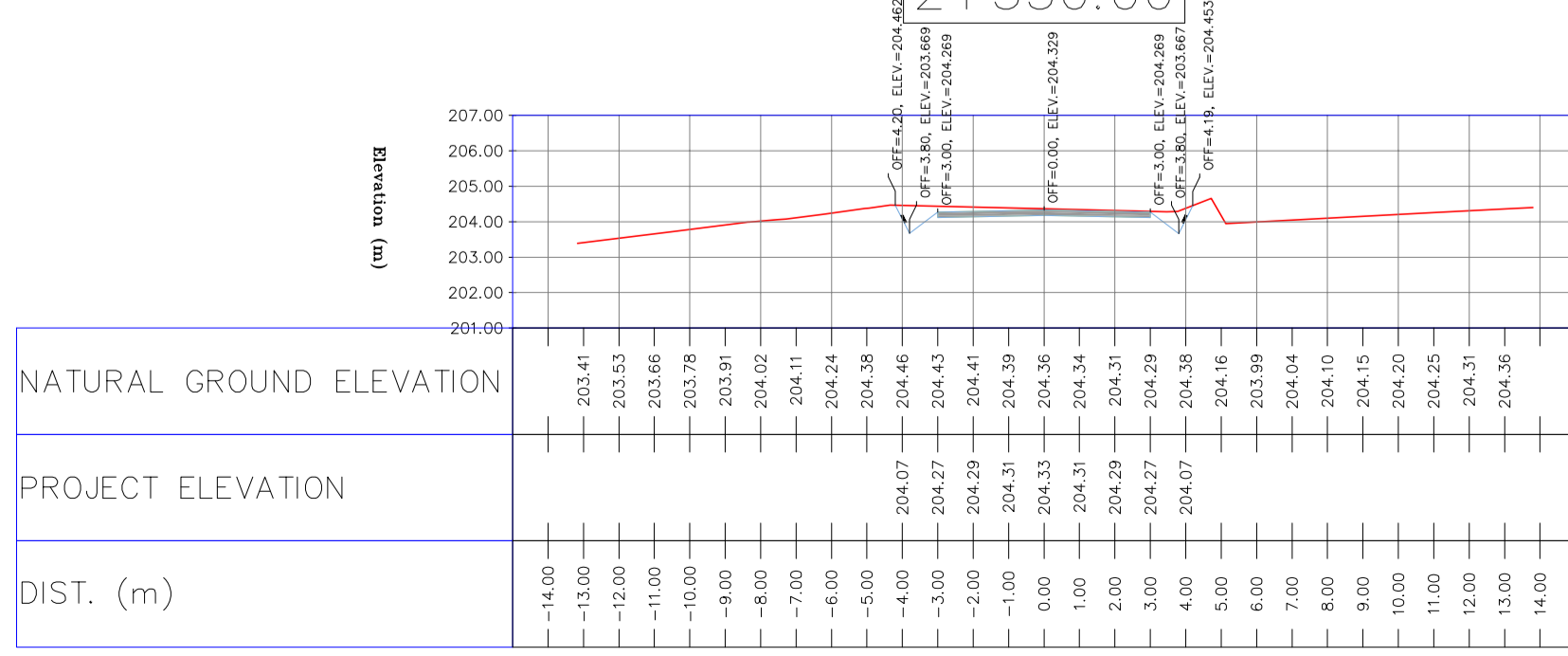
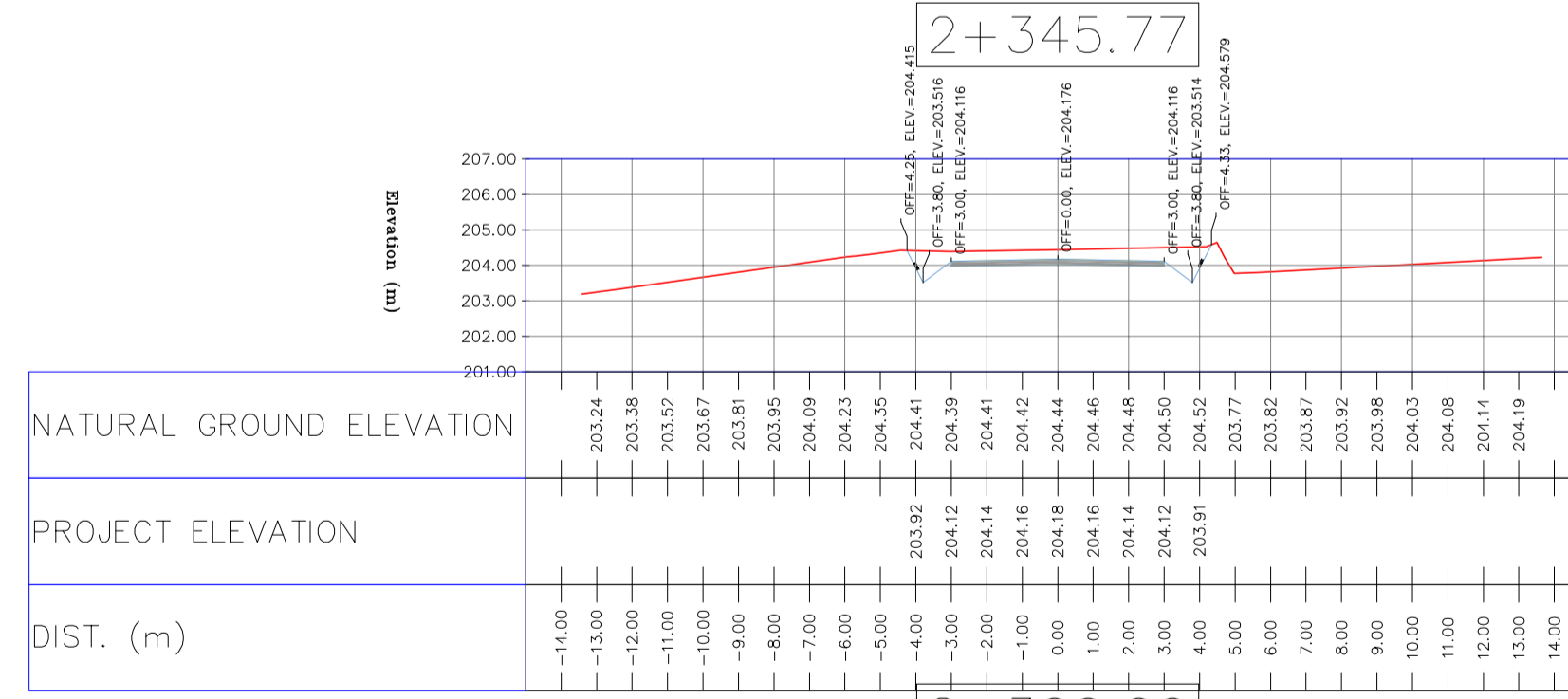
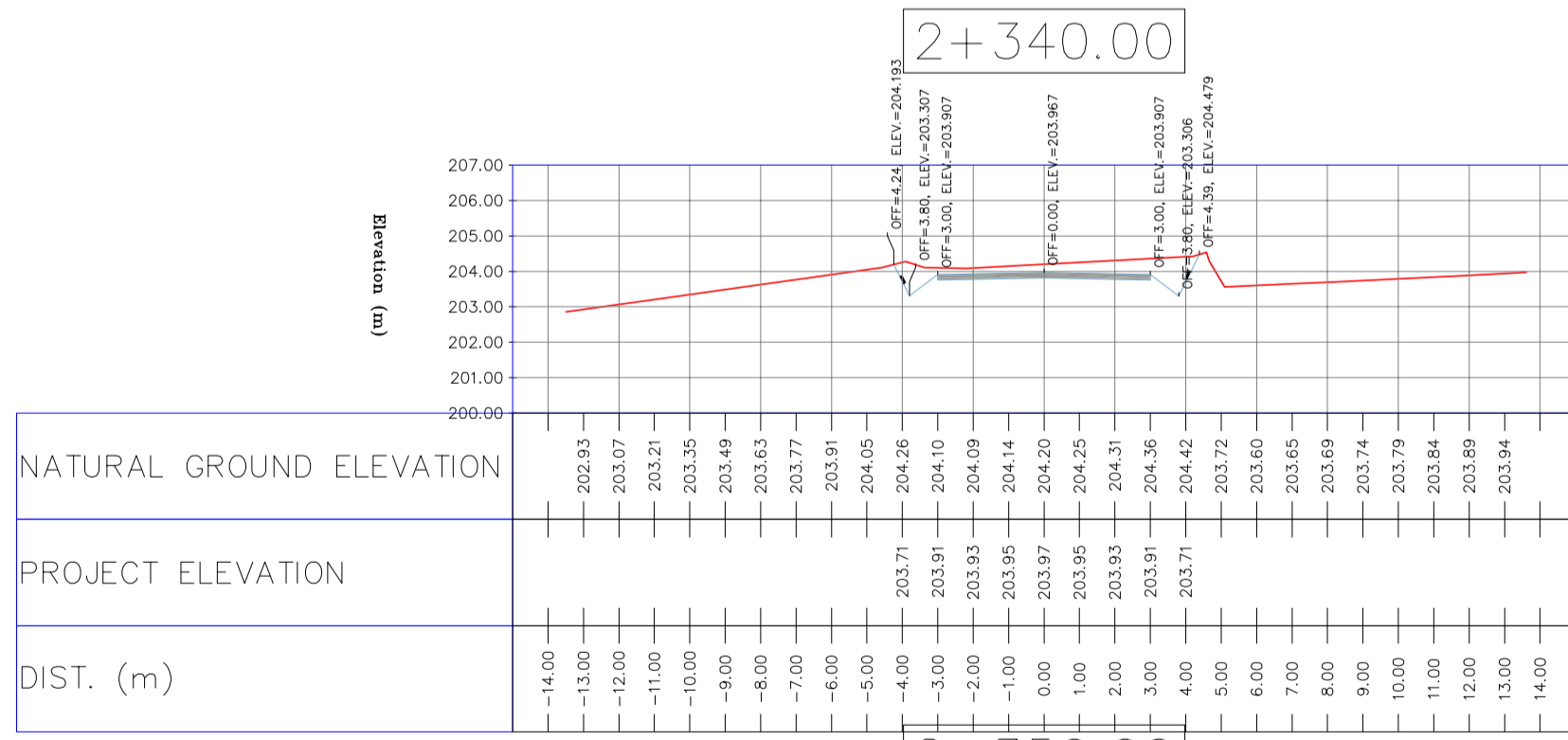
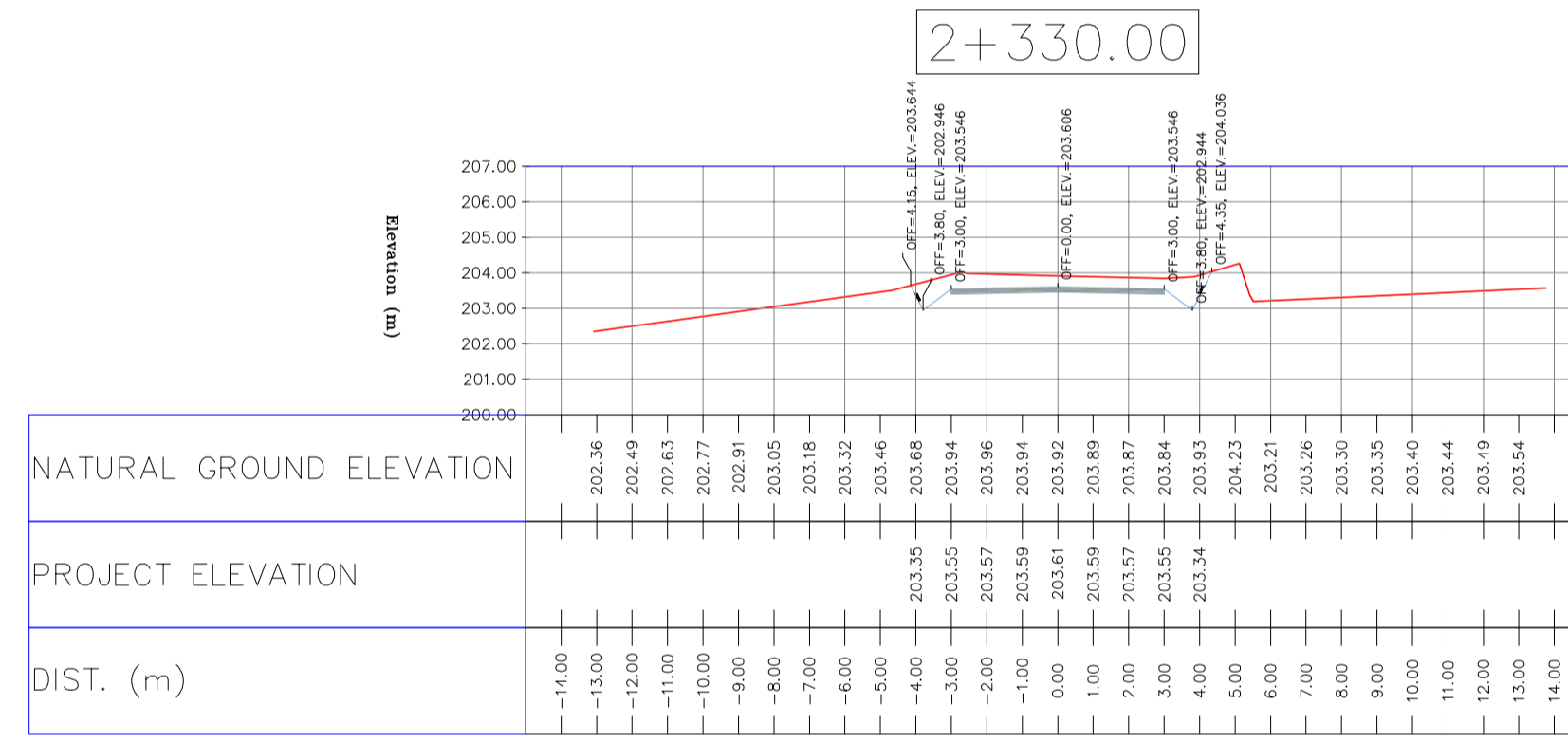
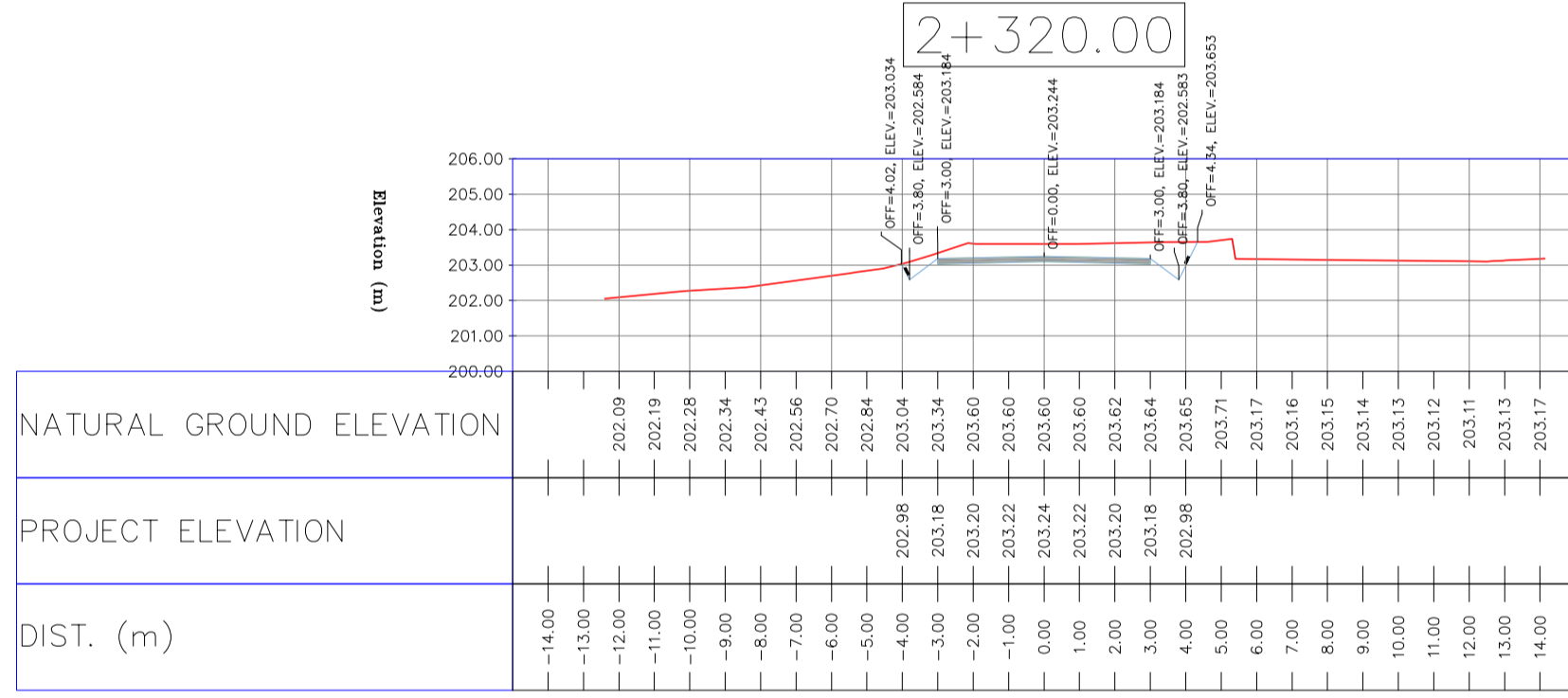
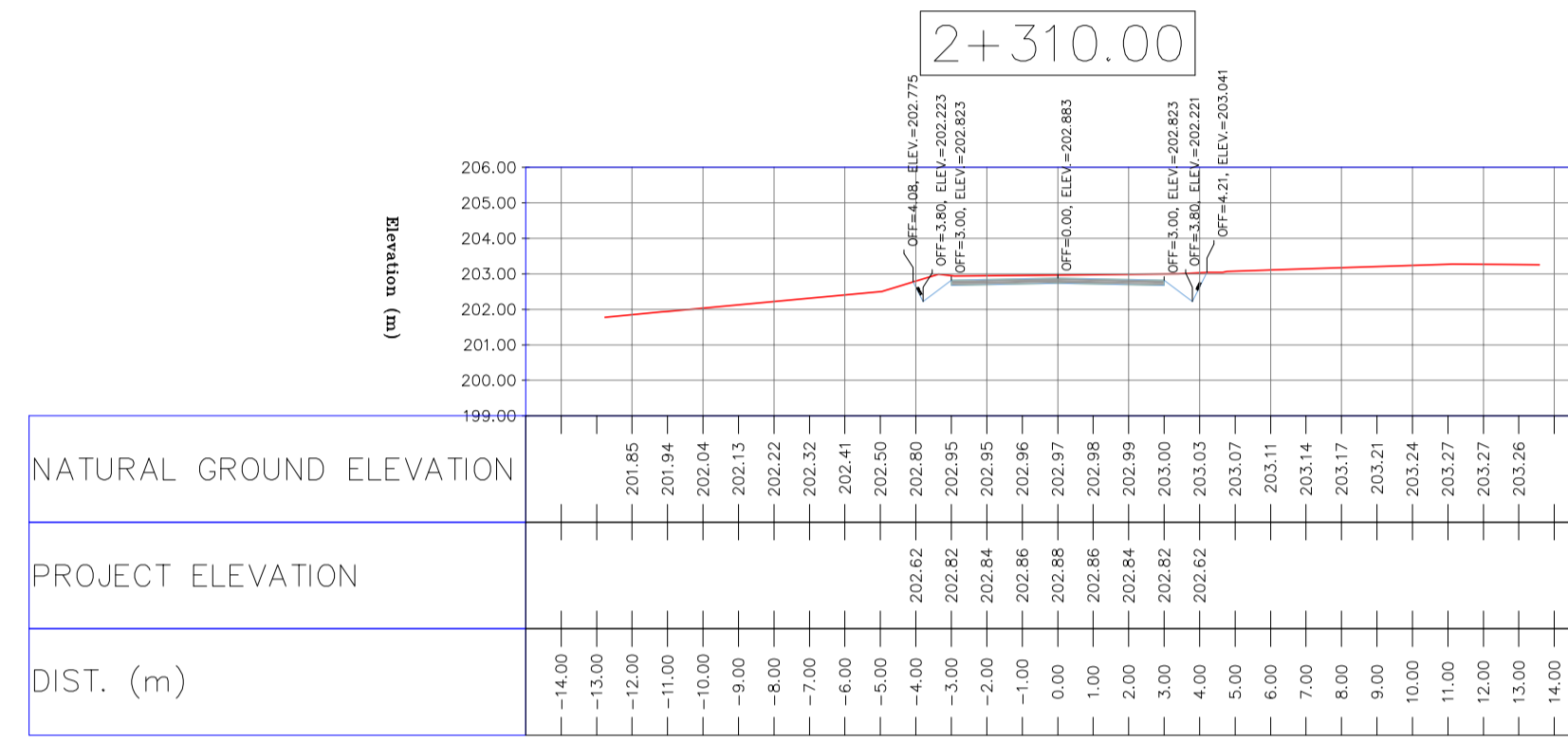
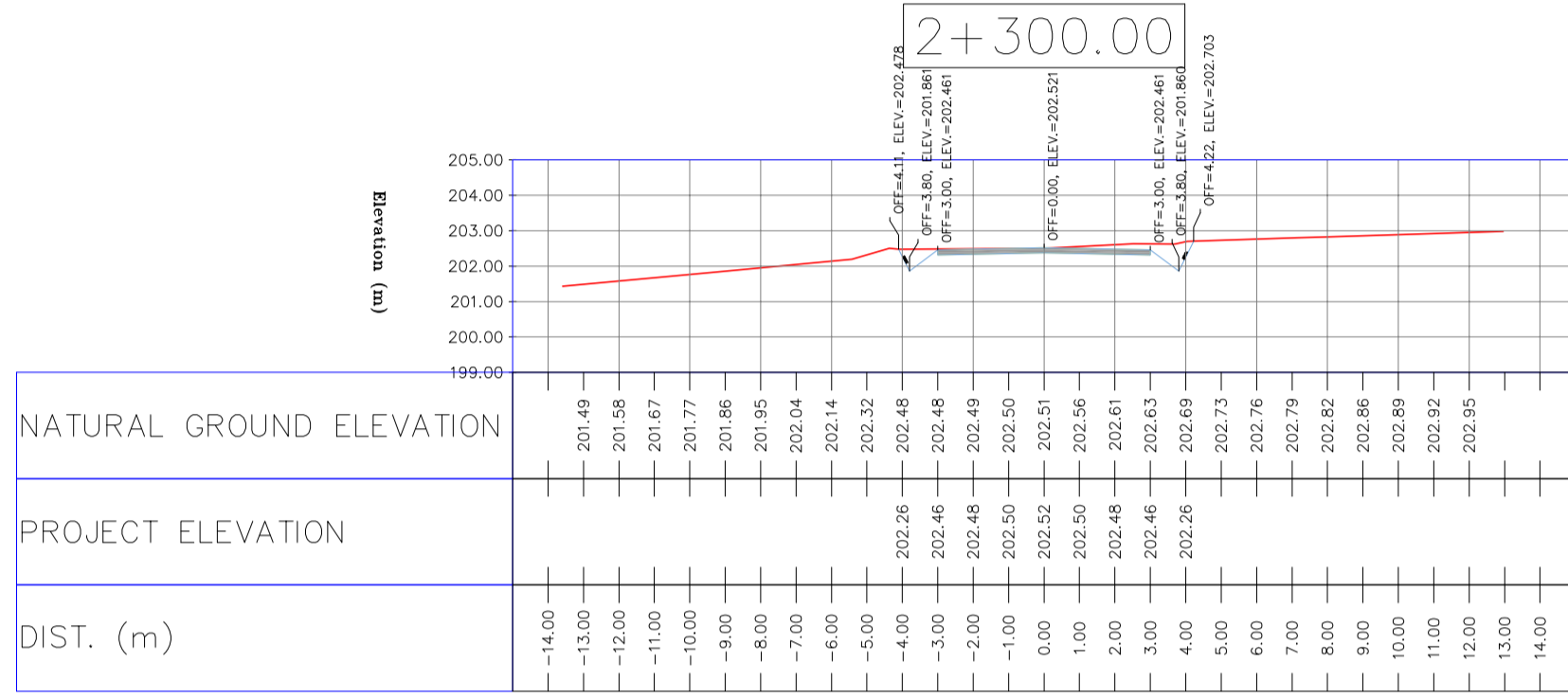
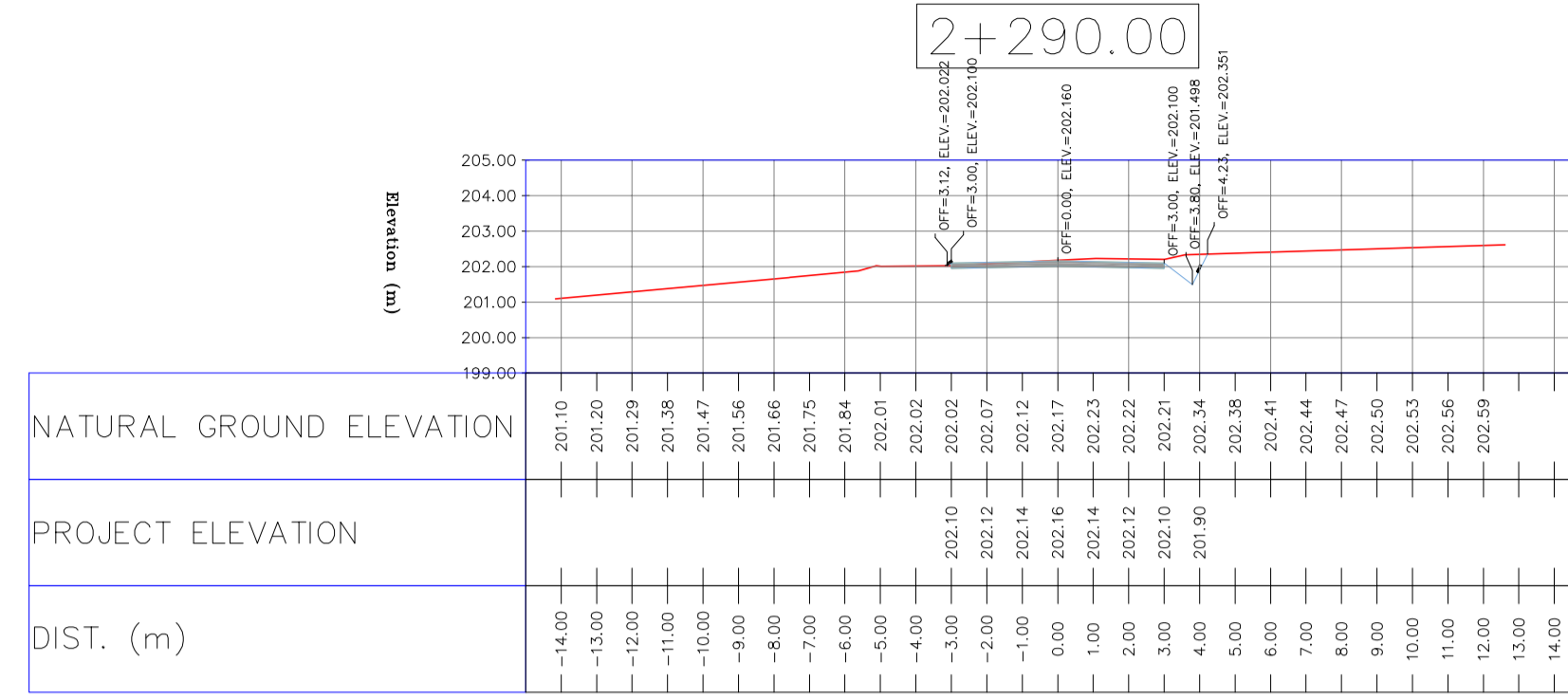
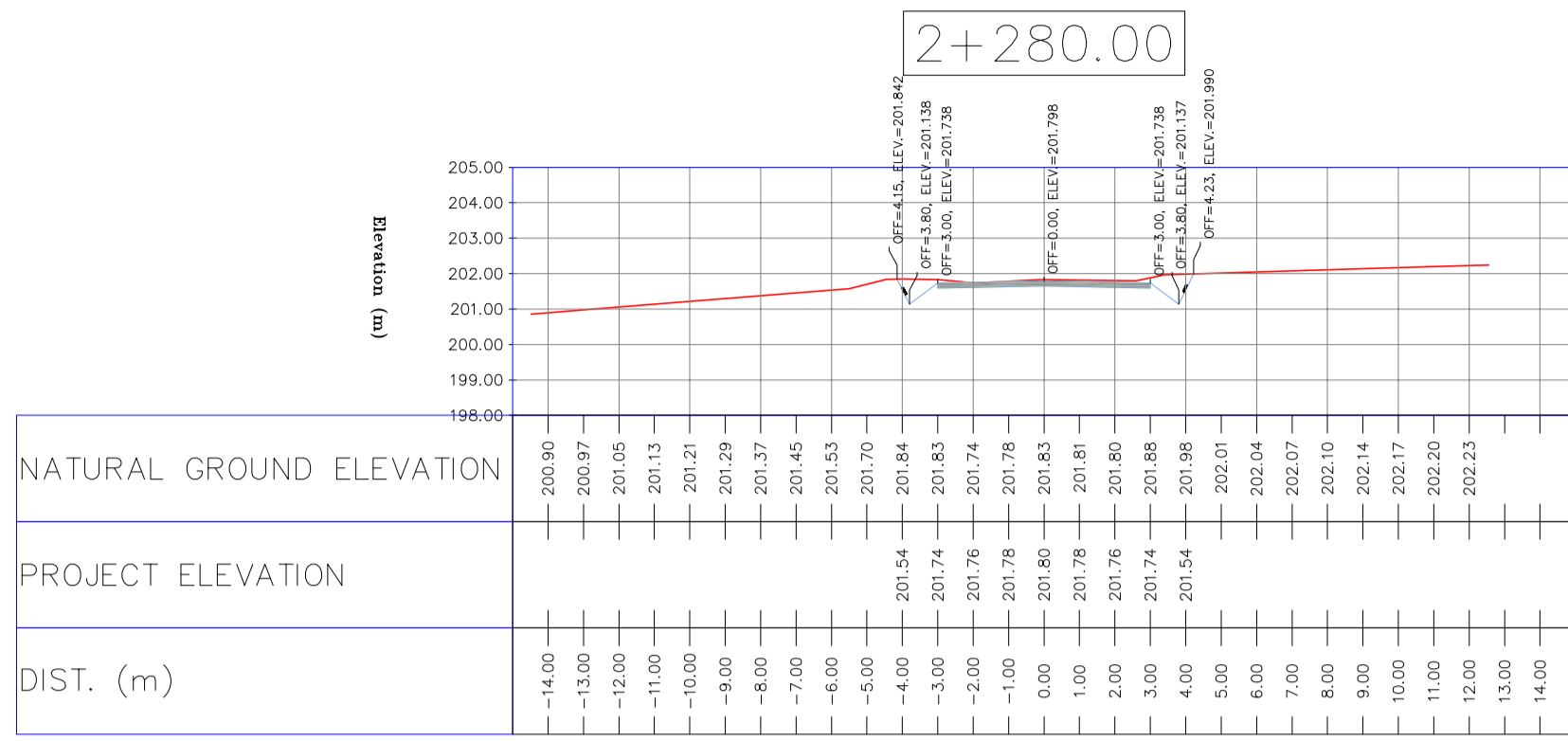
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H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	60 OF 99	D05	053-073-9184	F	4	S	708209	60	D05

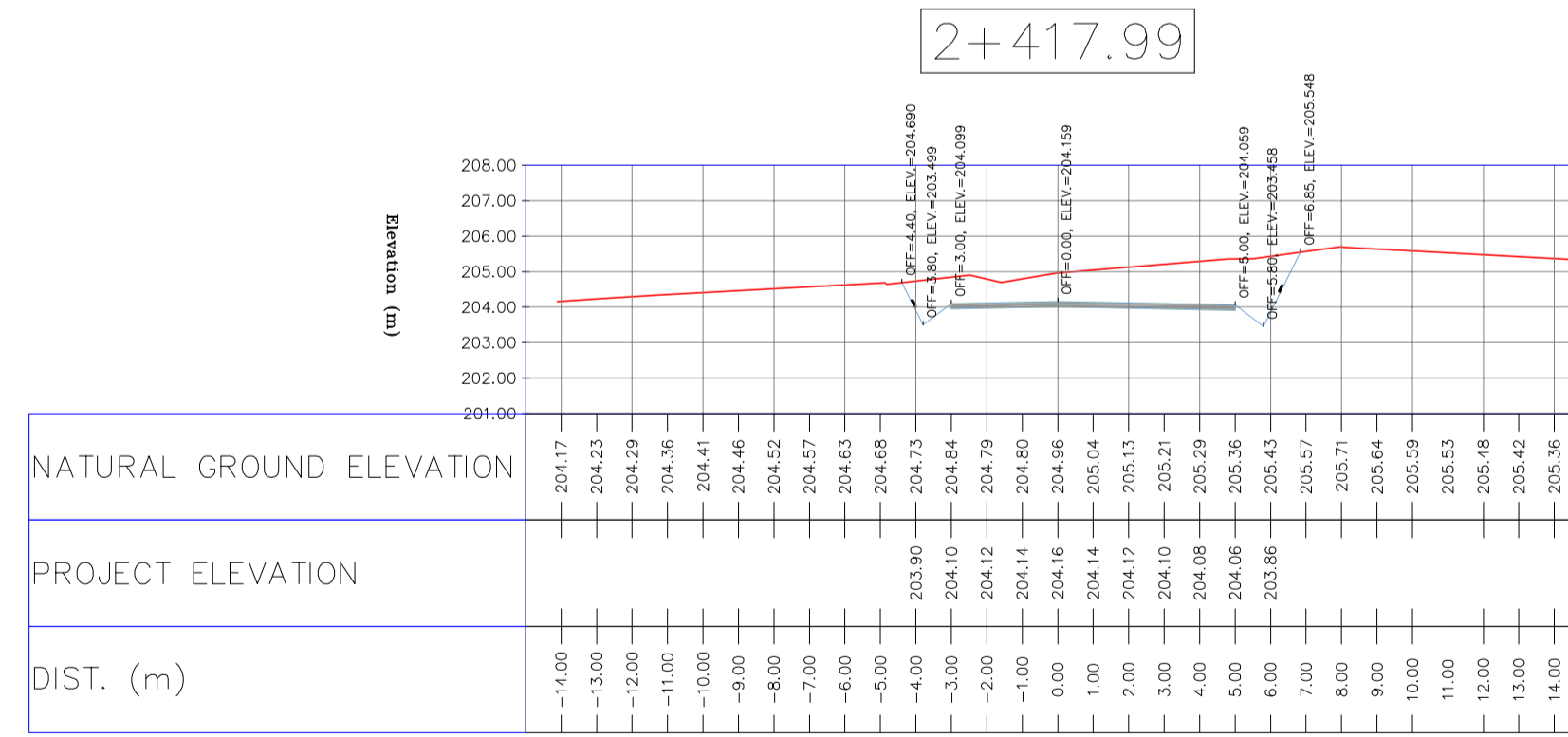
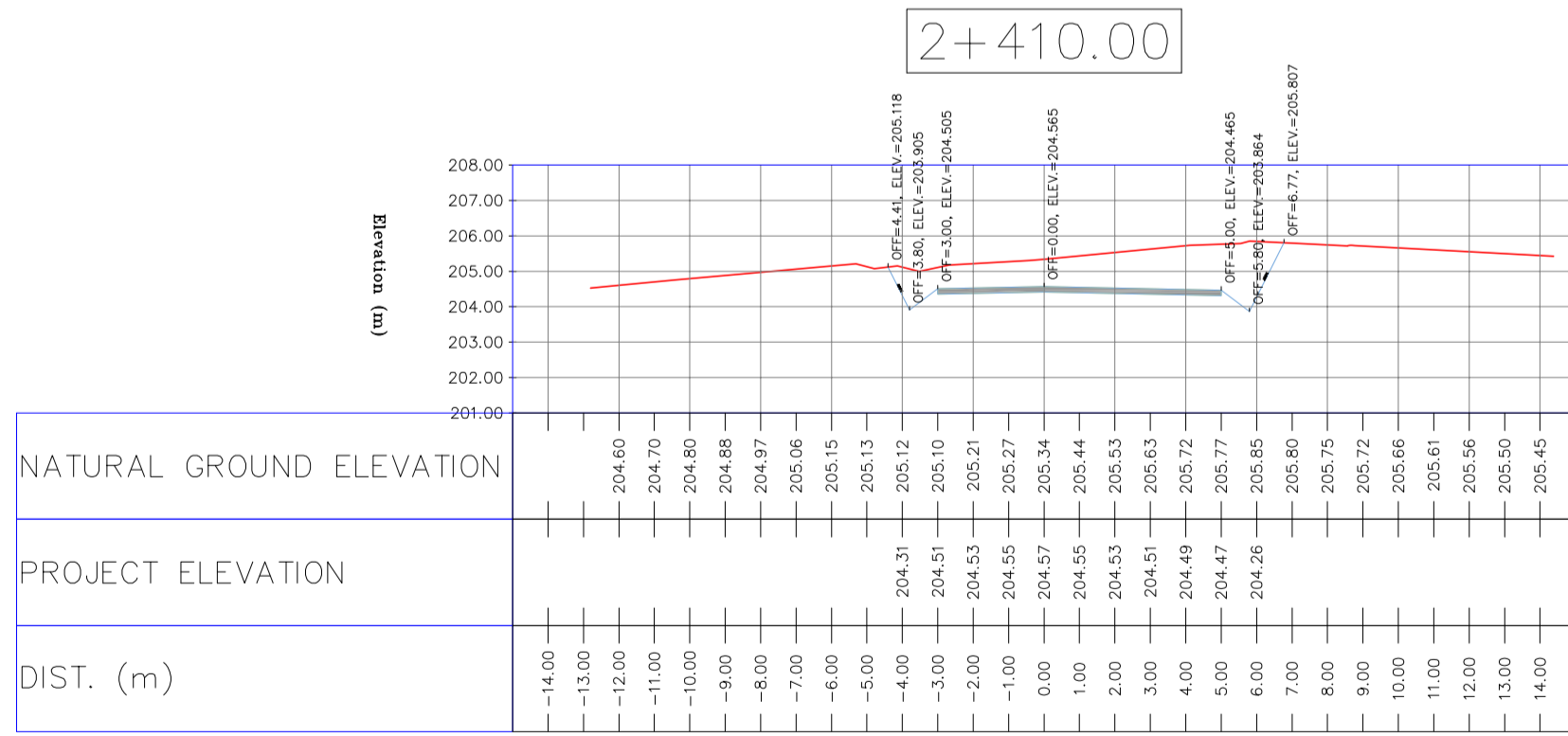
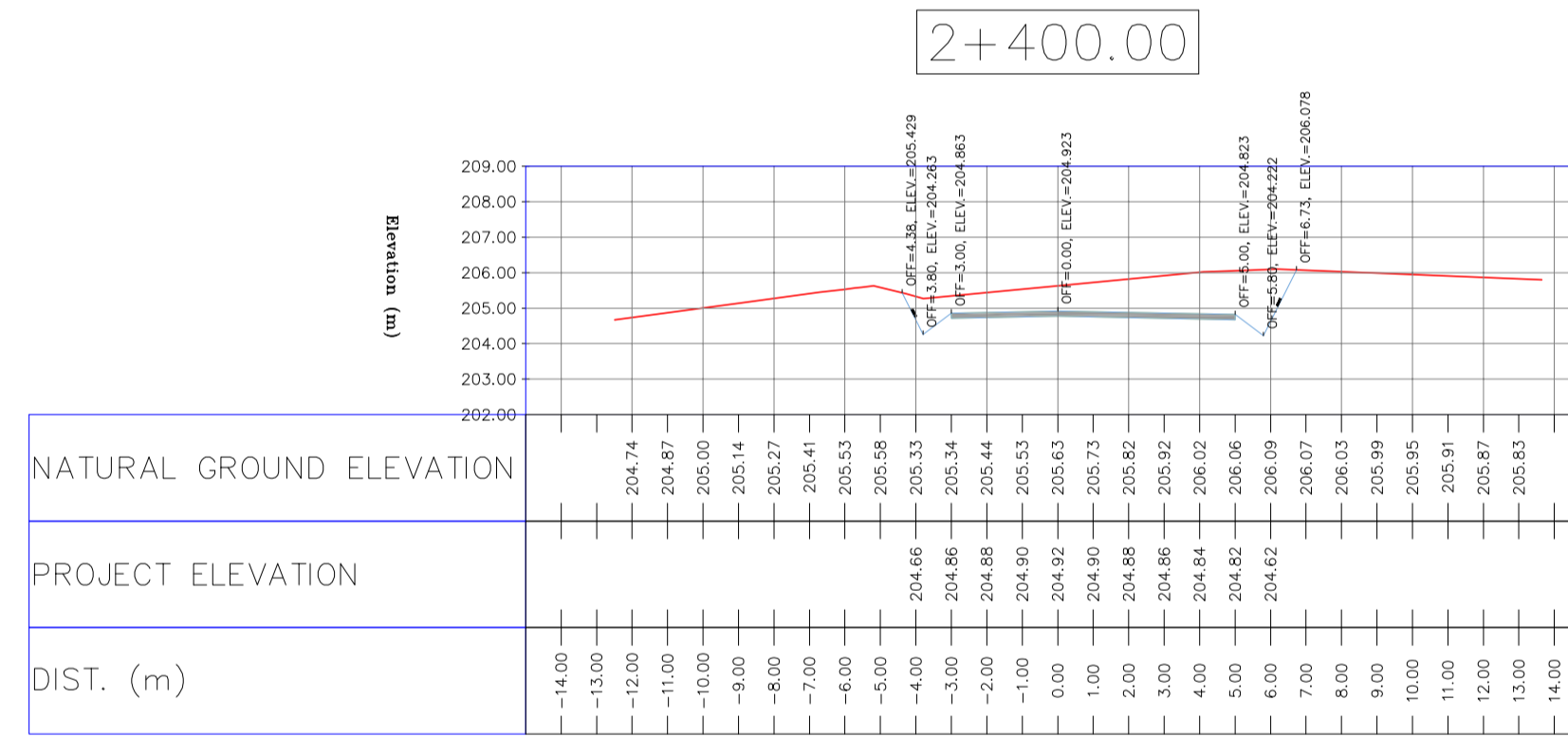
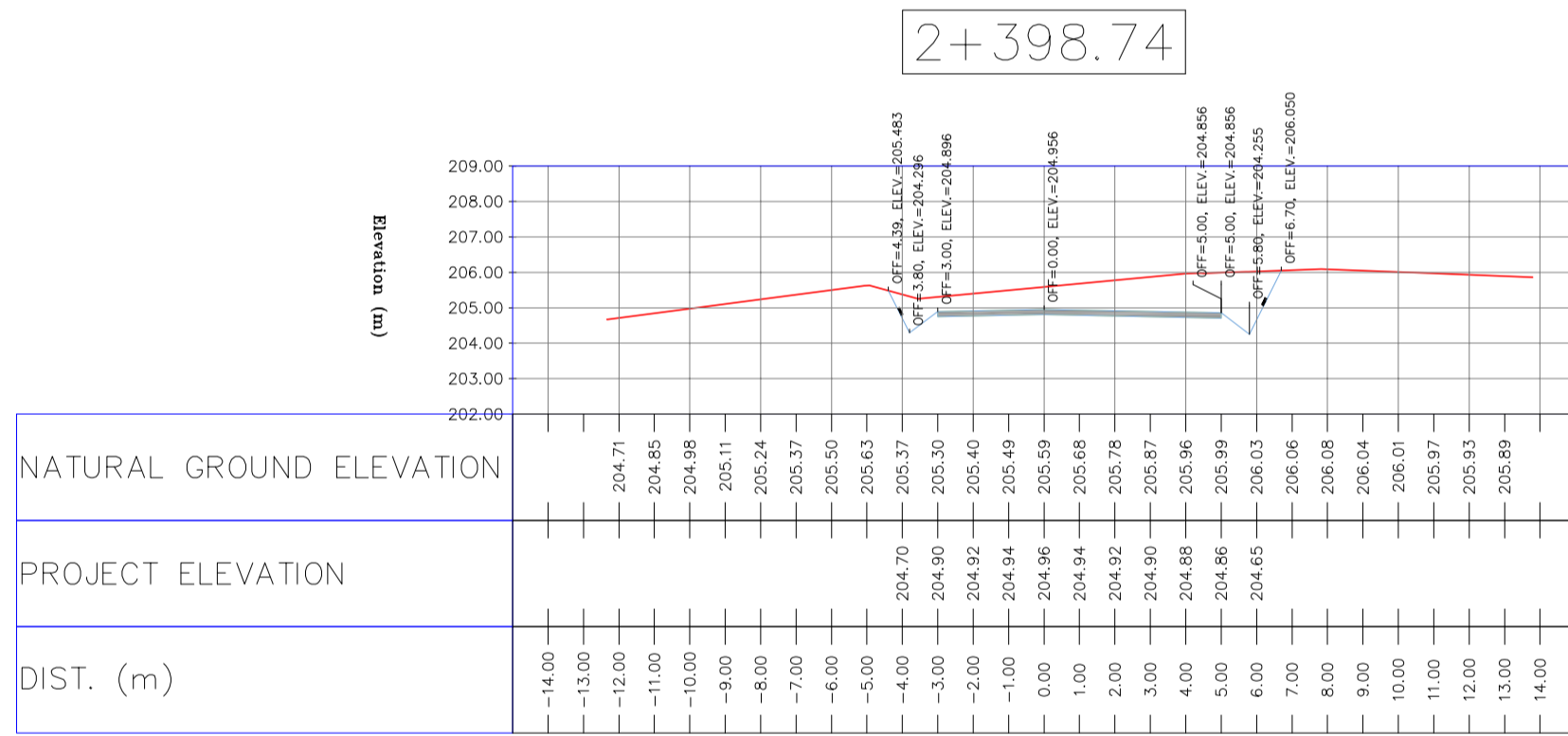
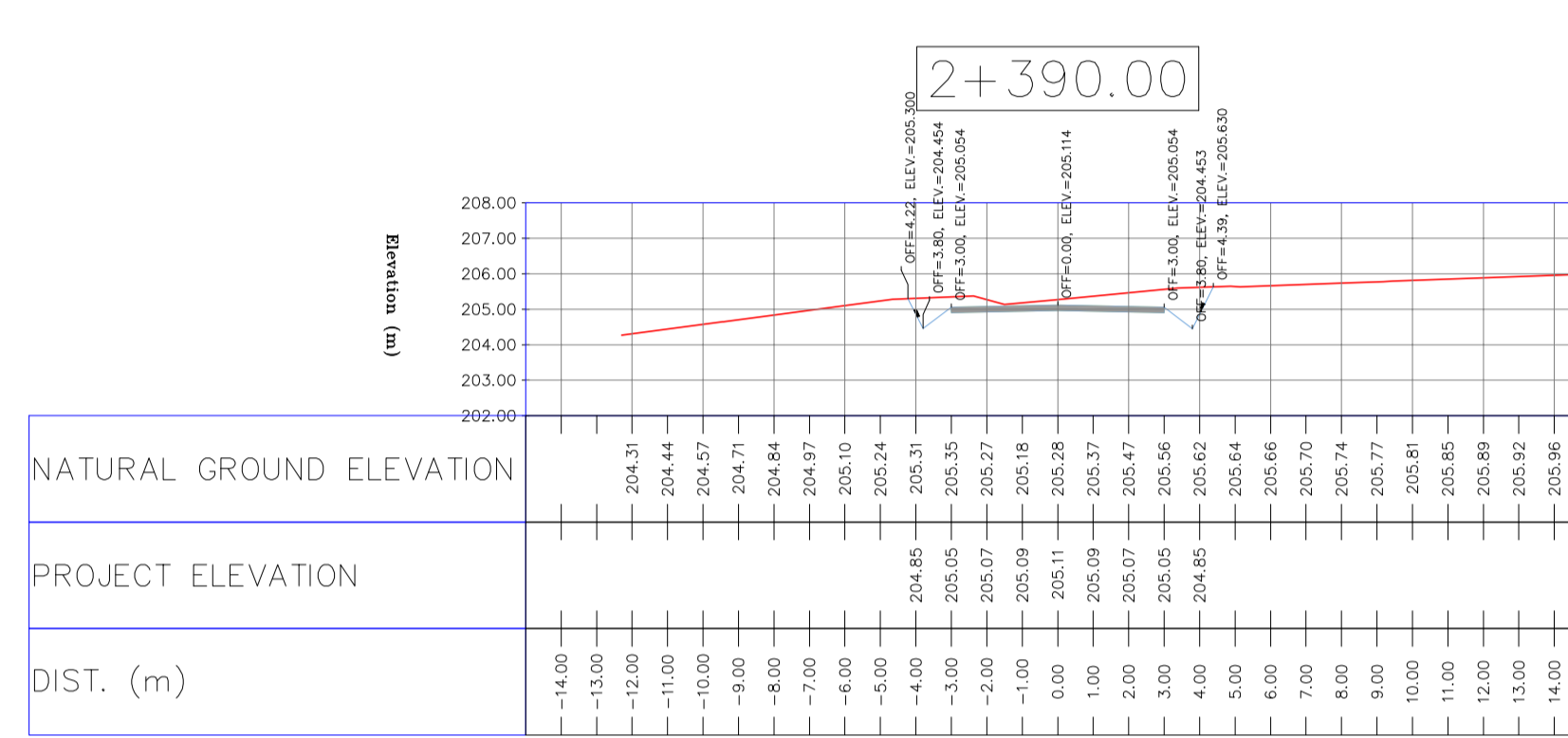
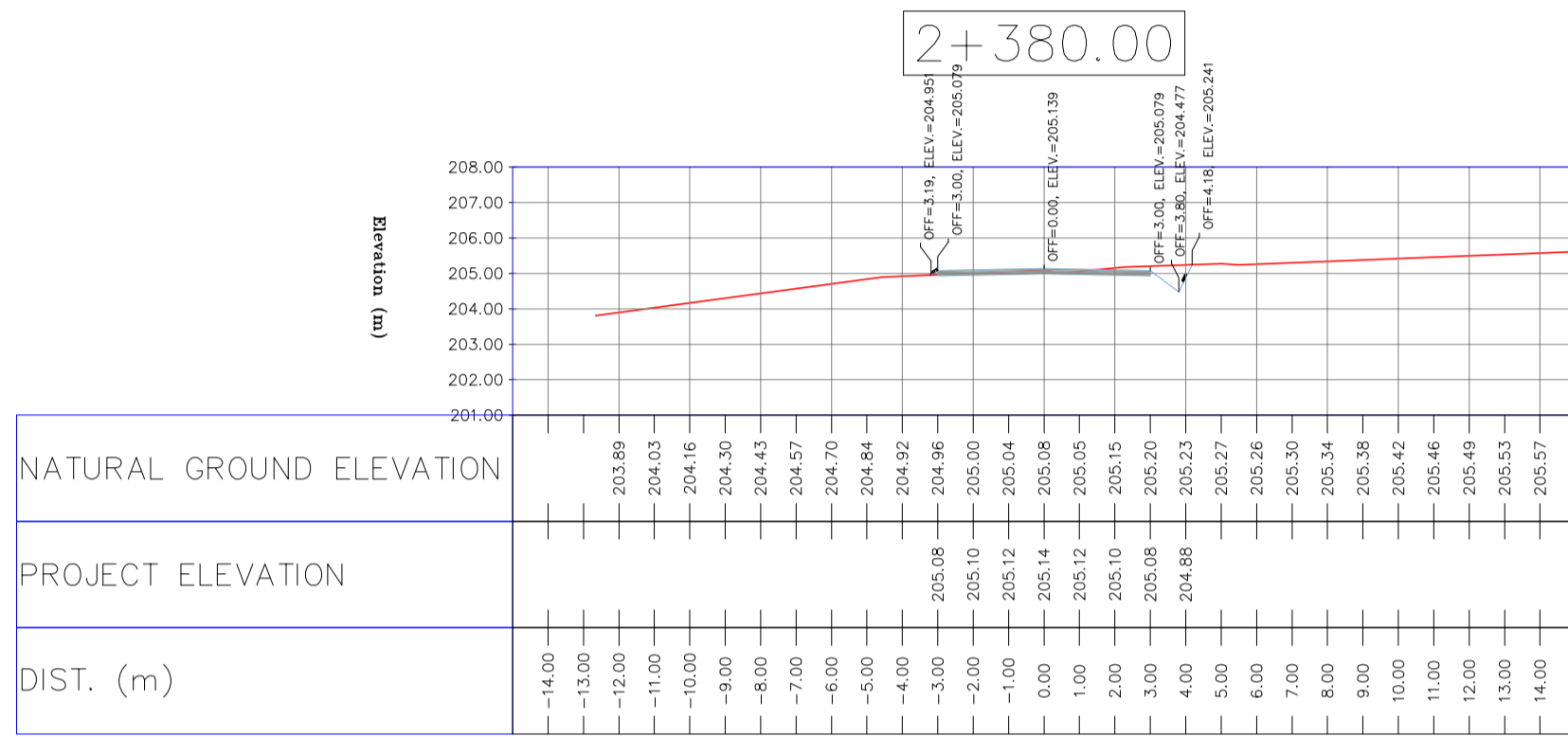
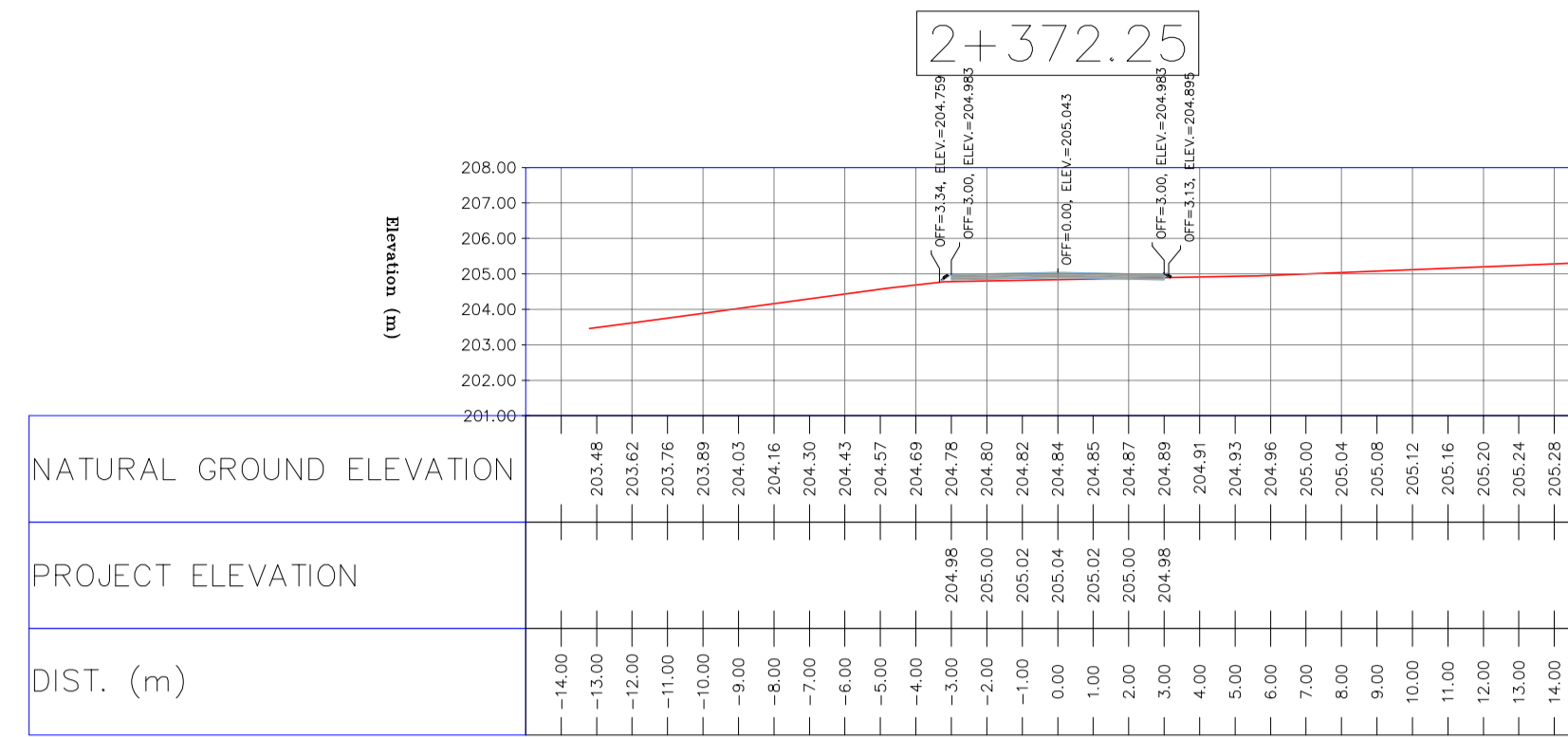
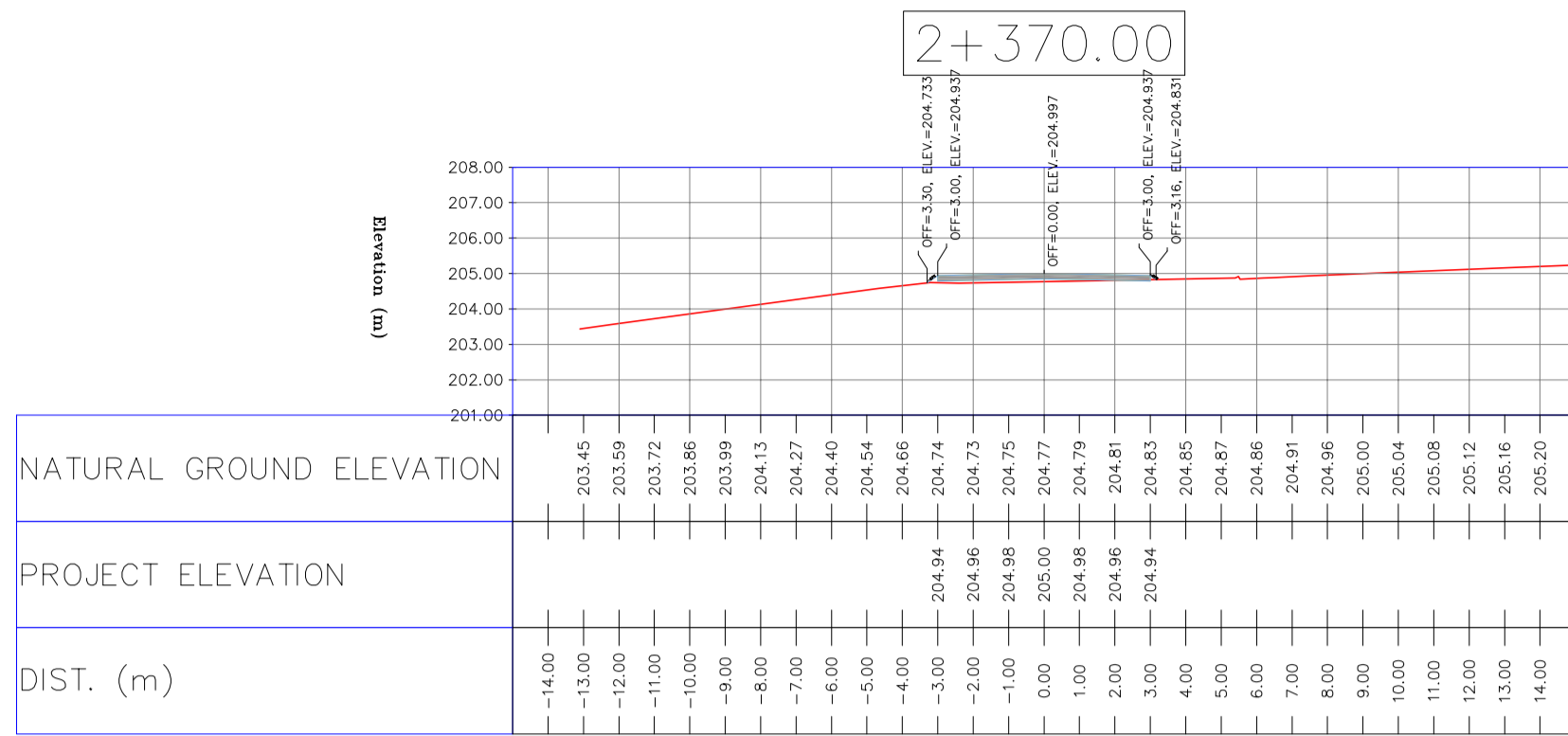


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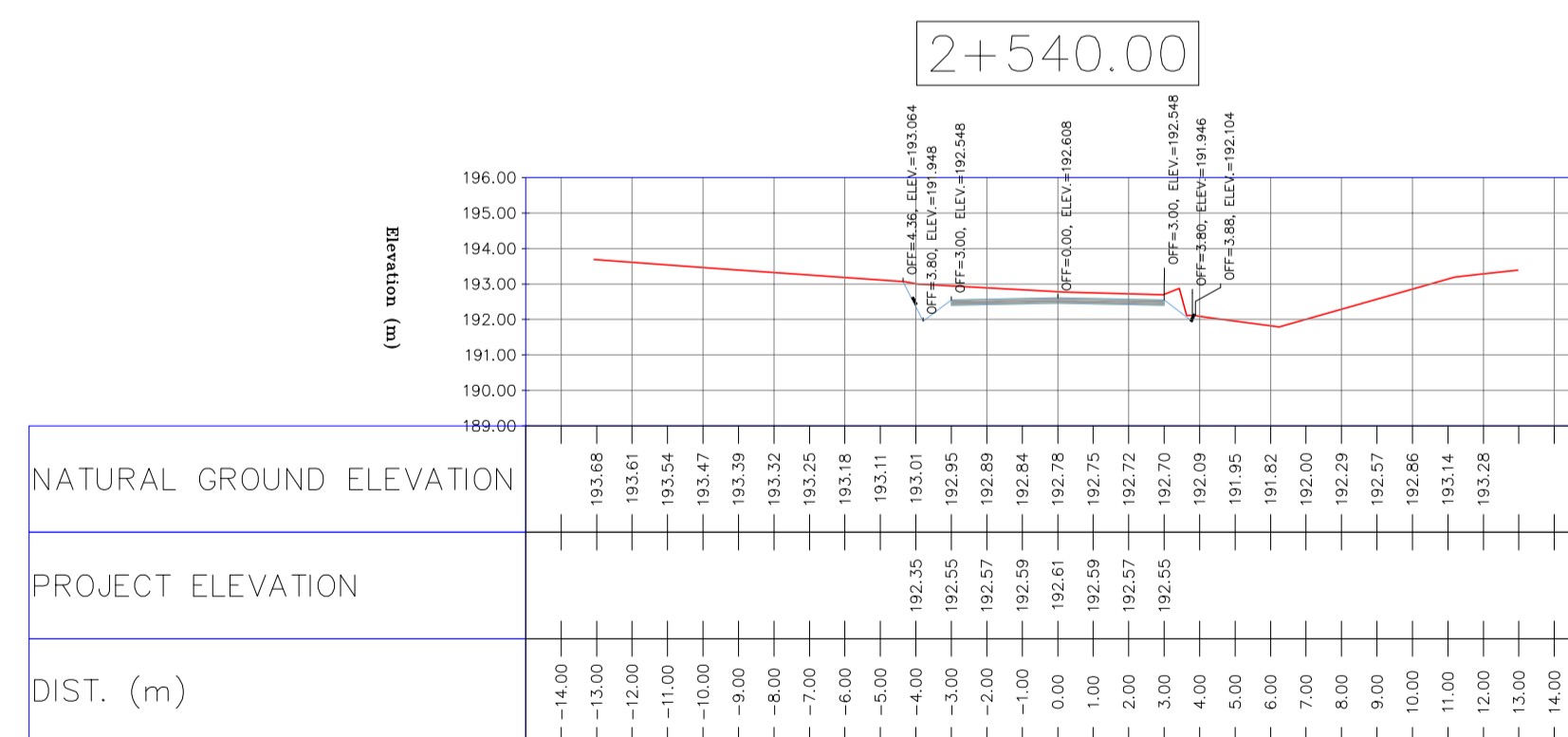
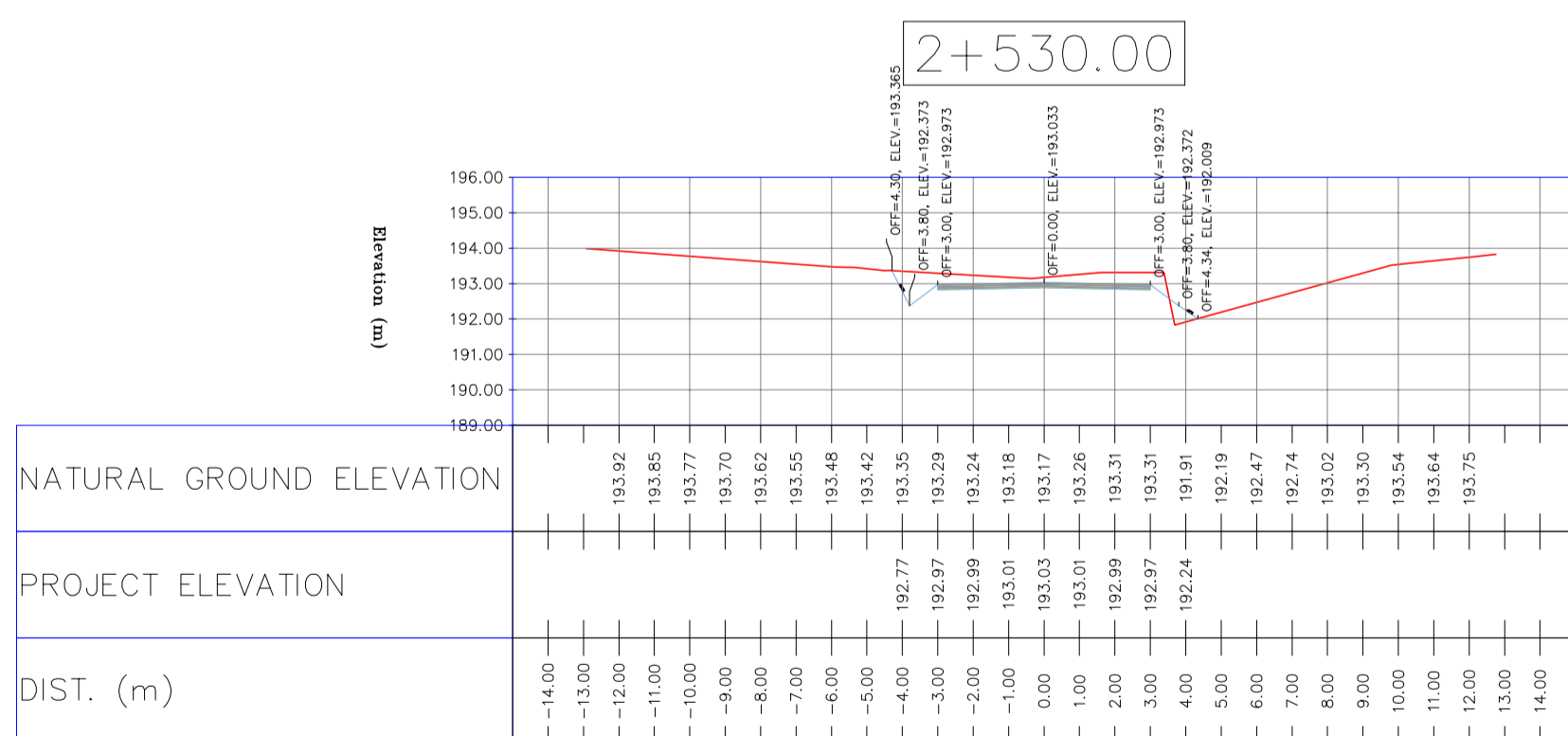
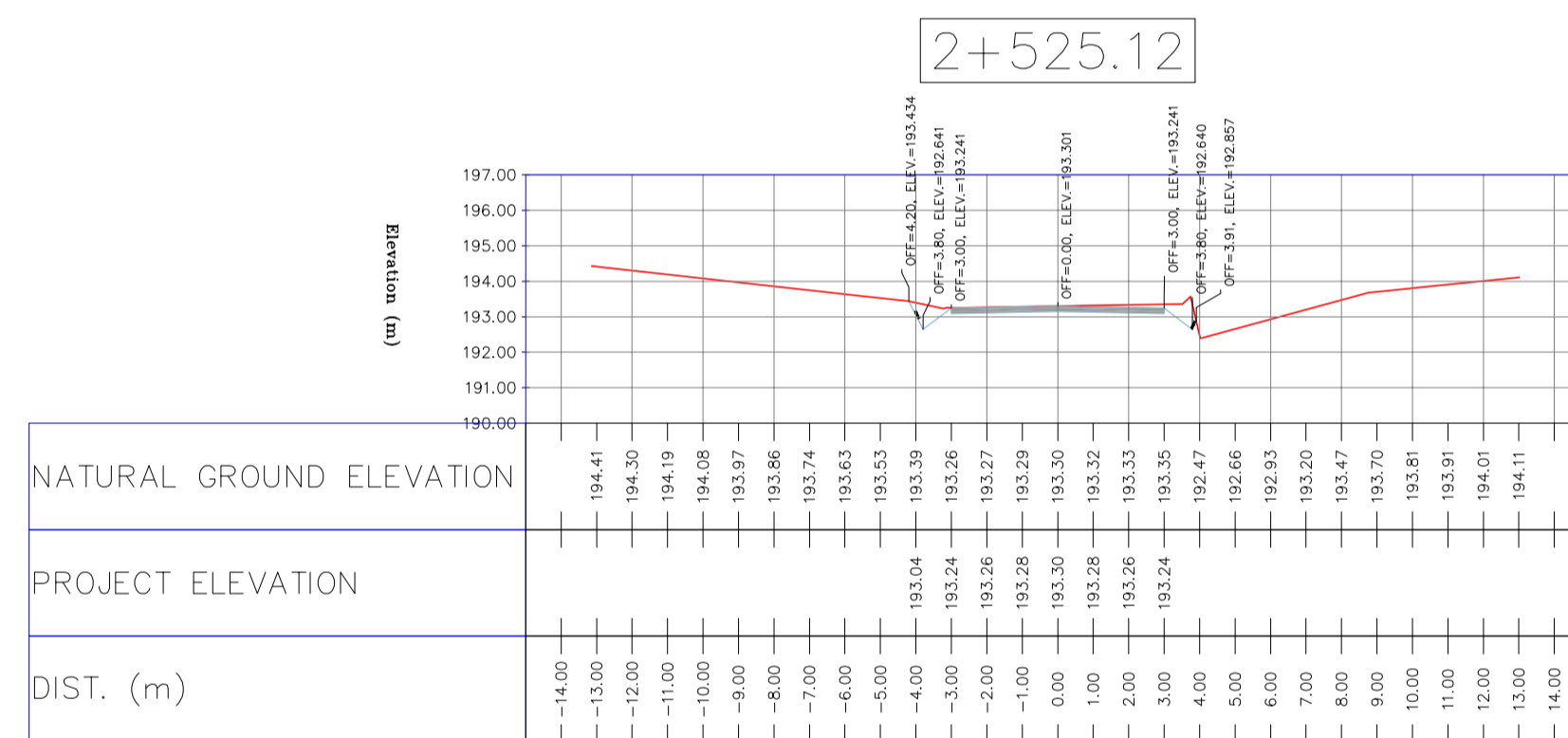
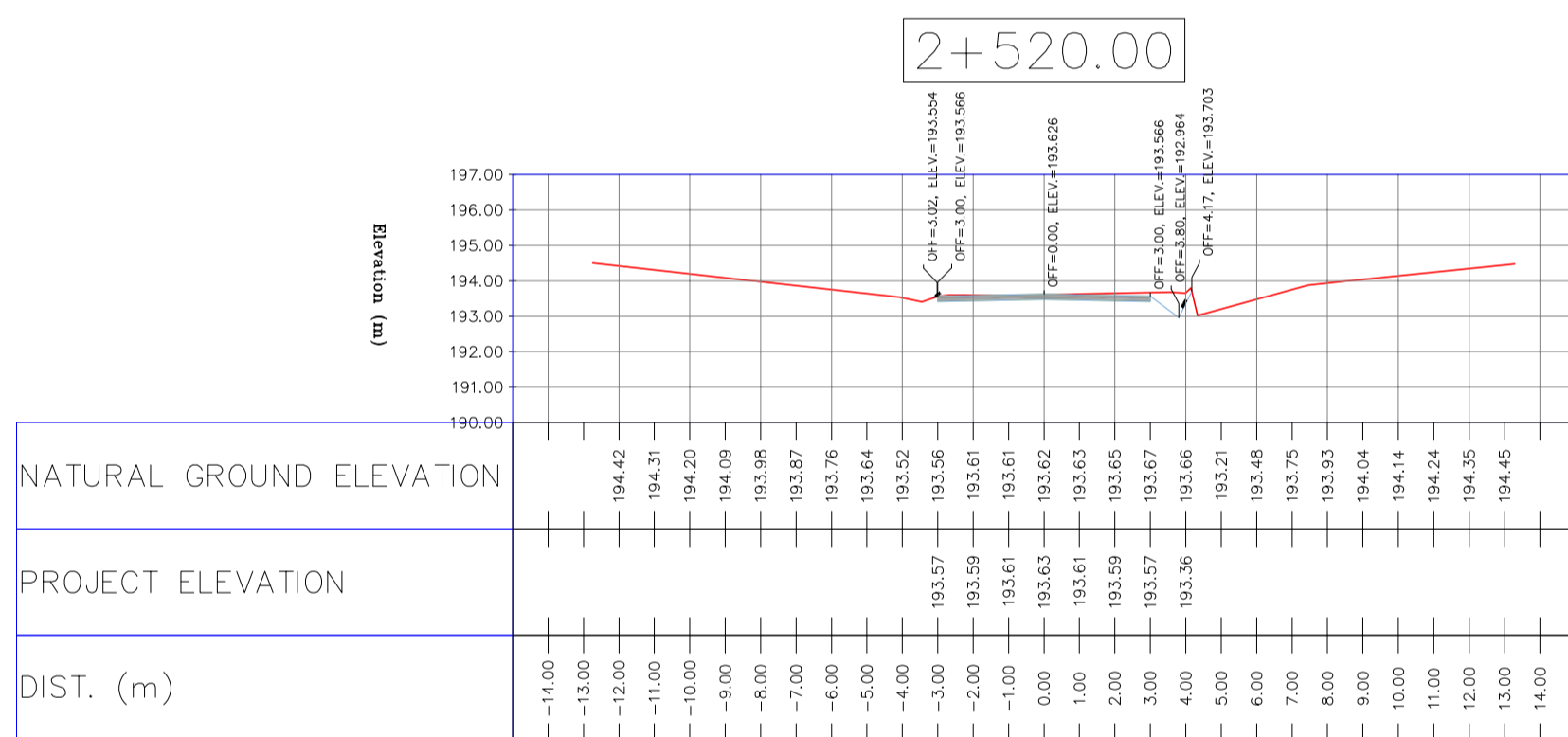
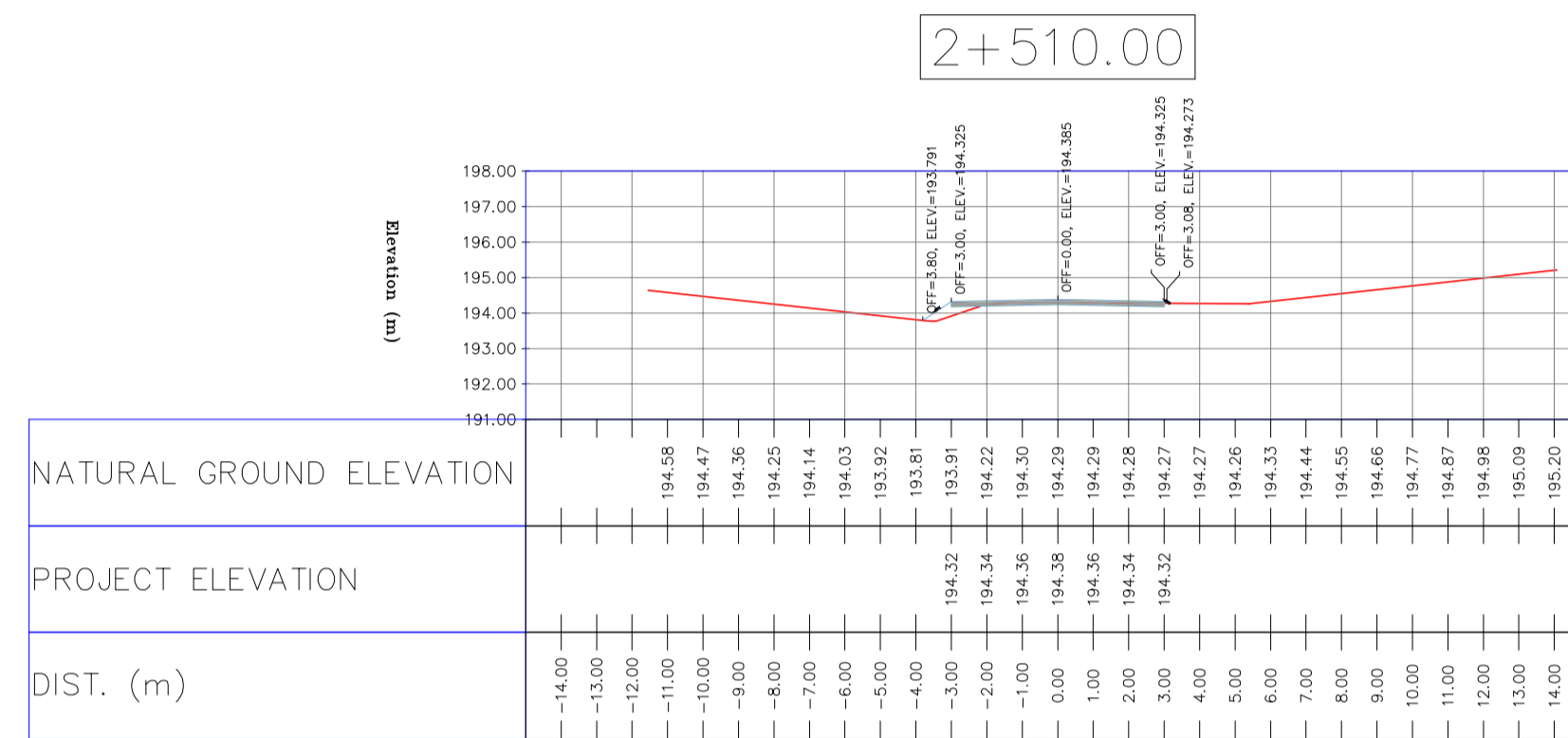
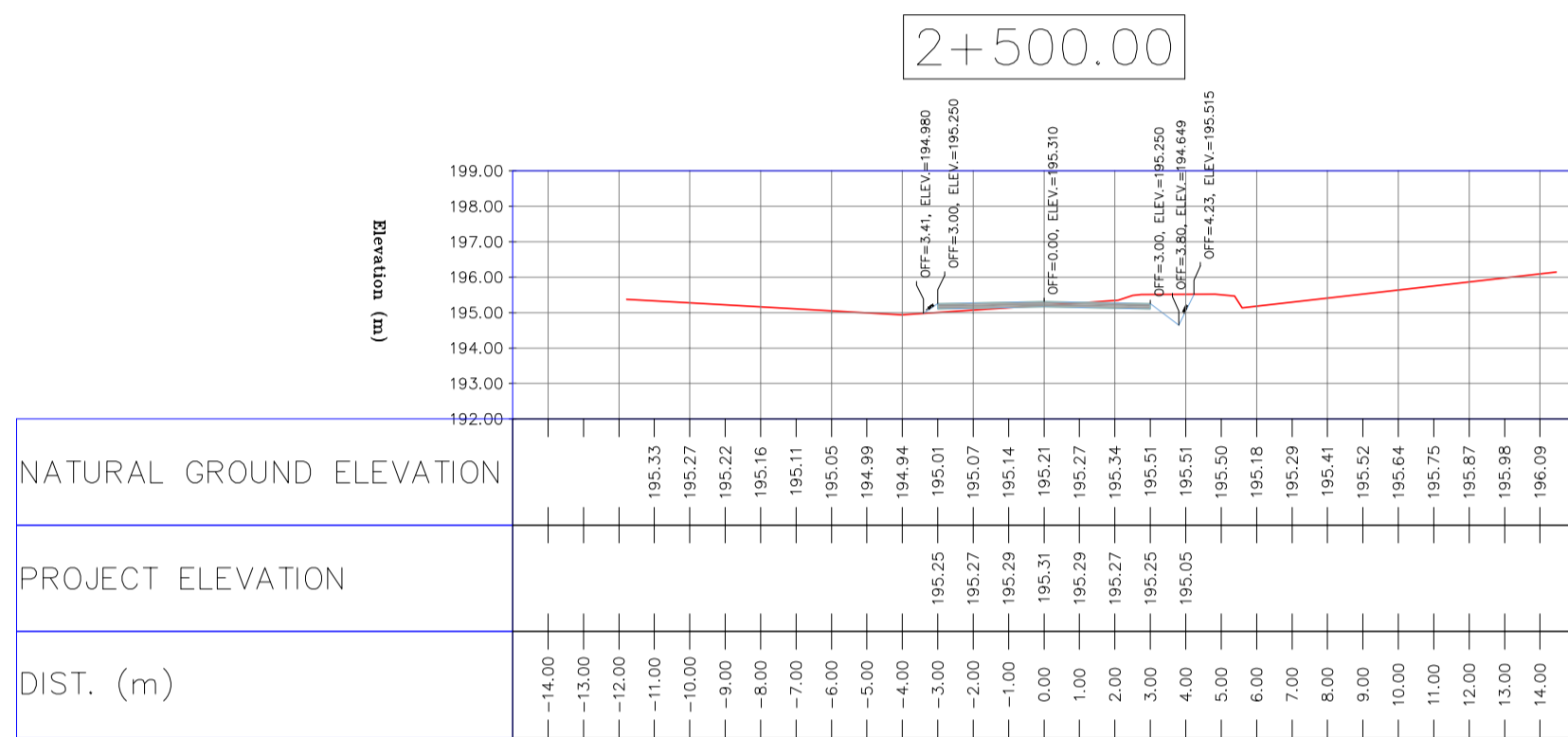
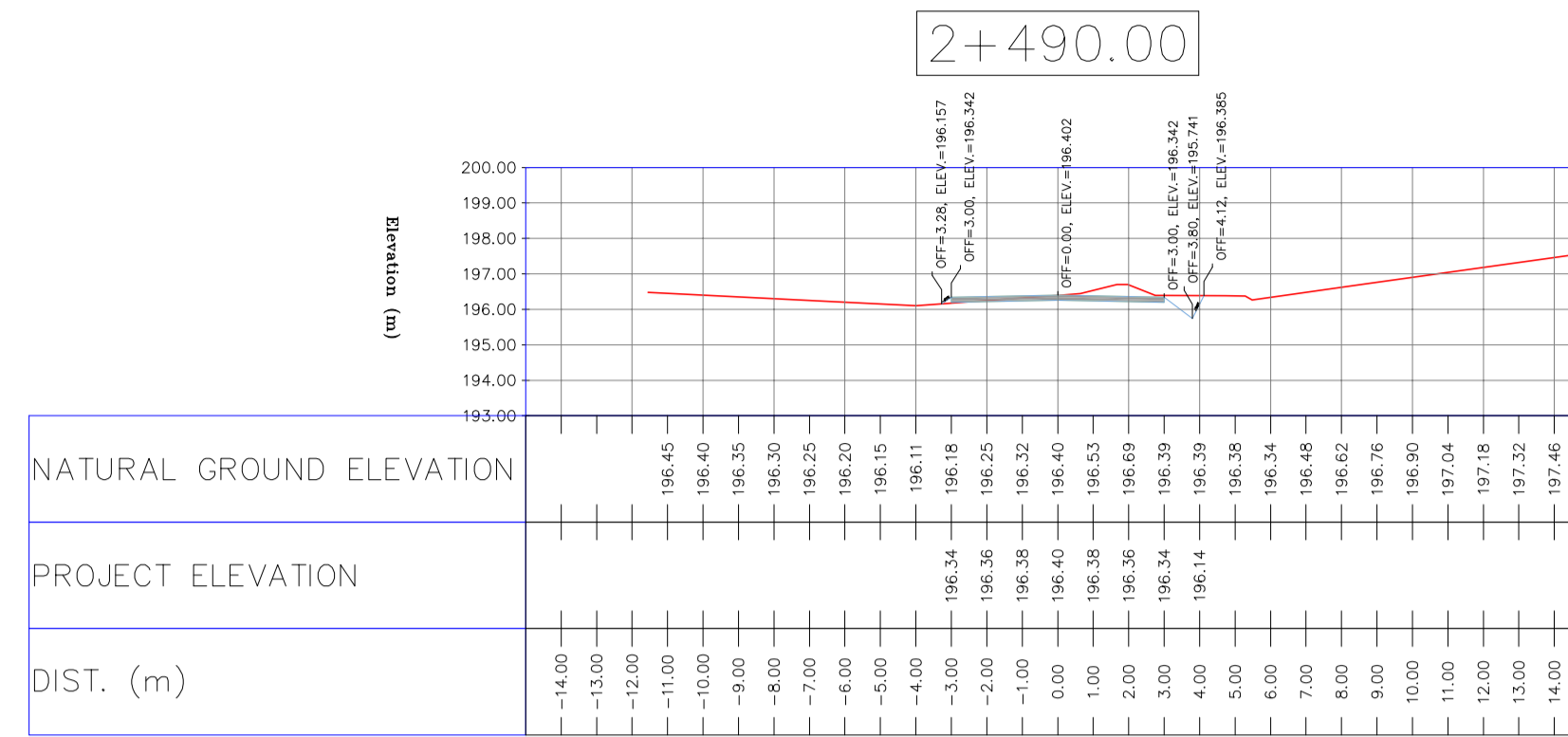
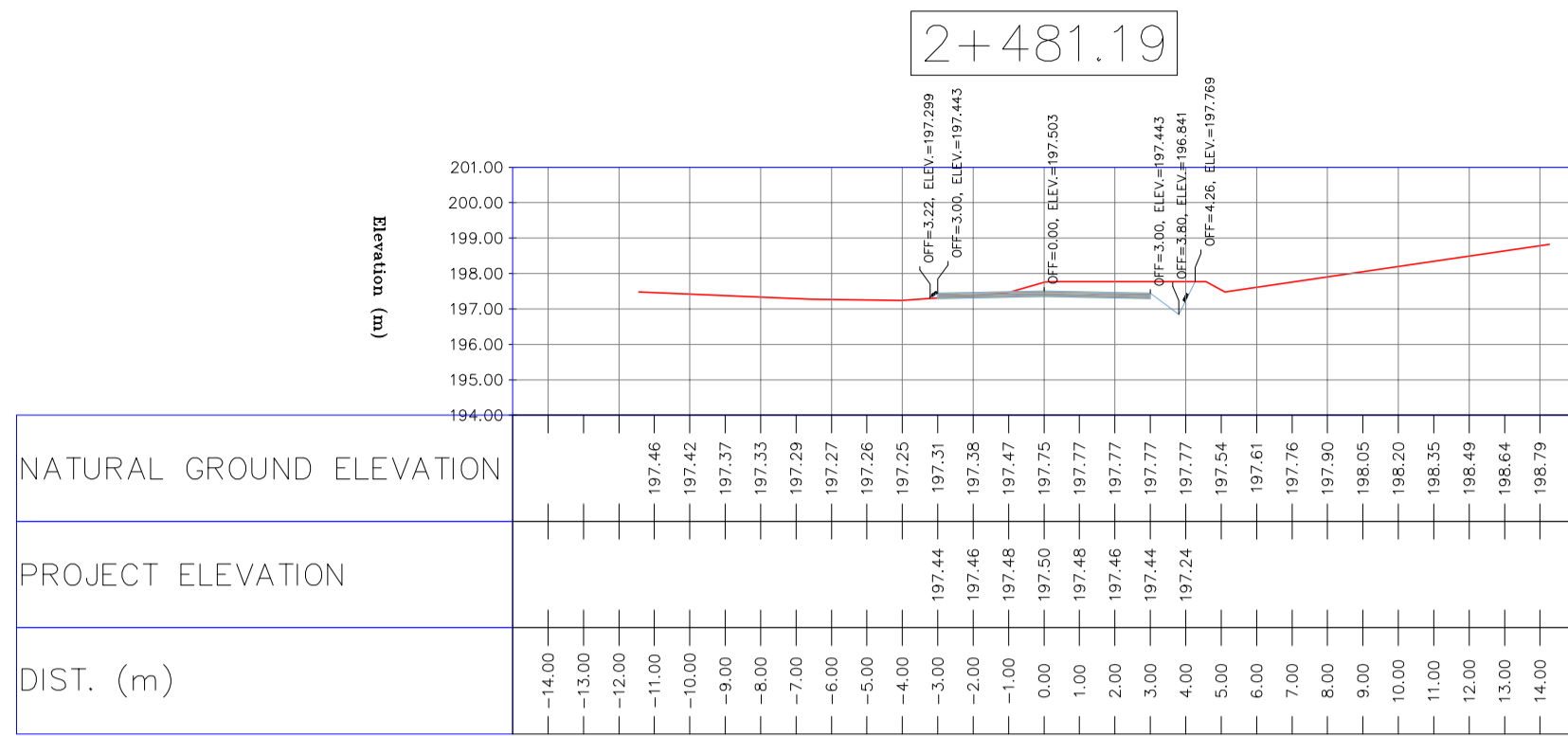


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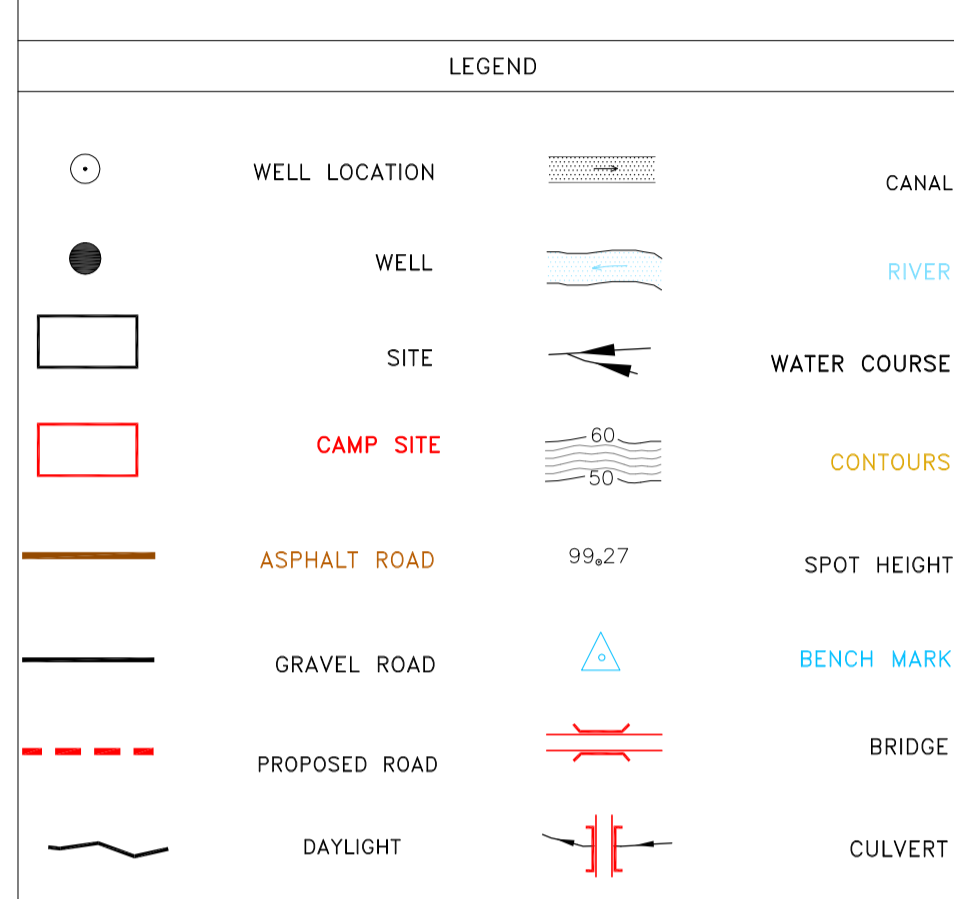
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT



NOTES

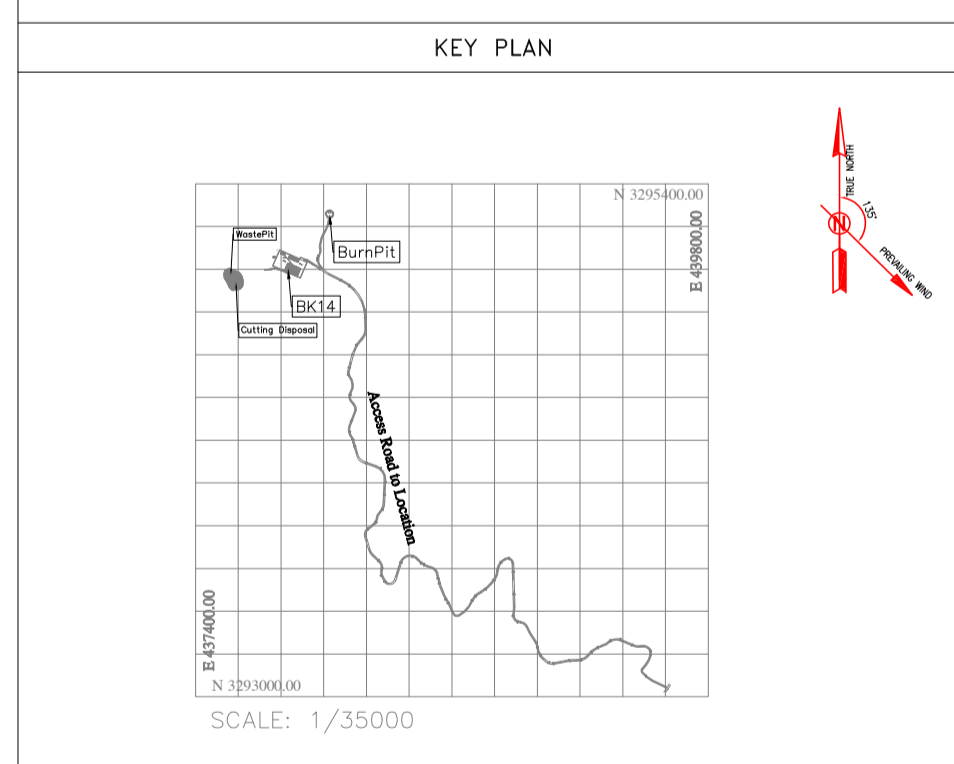
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 - PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK"
 DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
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REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
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
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ABBREVIATION

PT= POINT
 PVI= POINT OF VERTICAL INTERSECTION
 LVC= LENGTH OF VERTICAL CURVE
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D05	AUG.2023	AFC	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
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D00	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

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

SCALE: H=1:200 V=1:200

SIZE: A1

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

SHEET NO.: 65 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 65

REVISION: D05

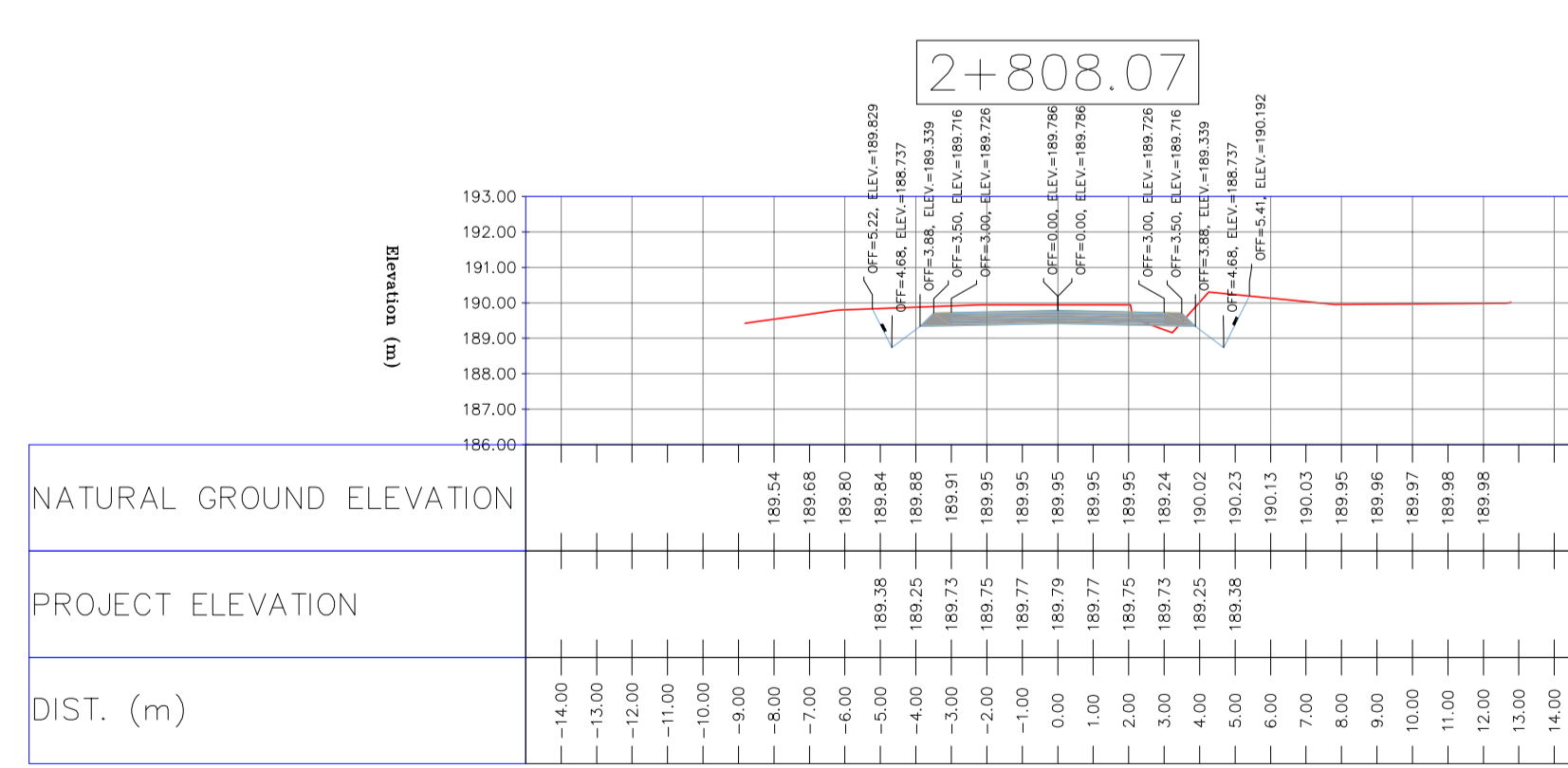
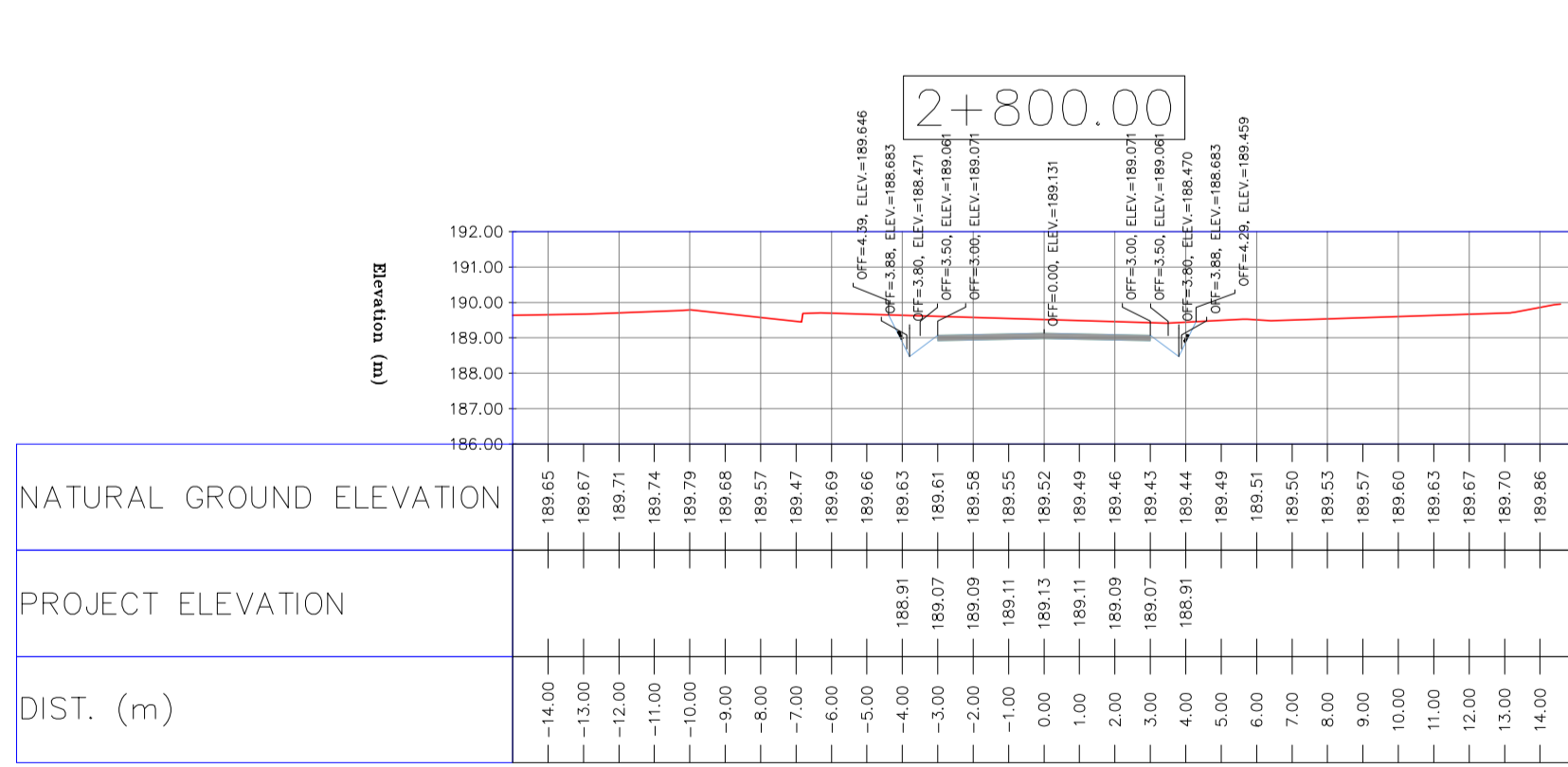
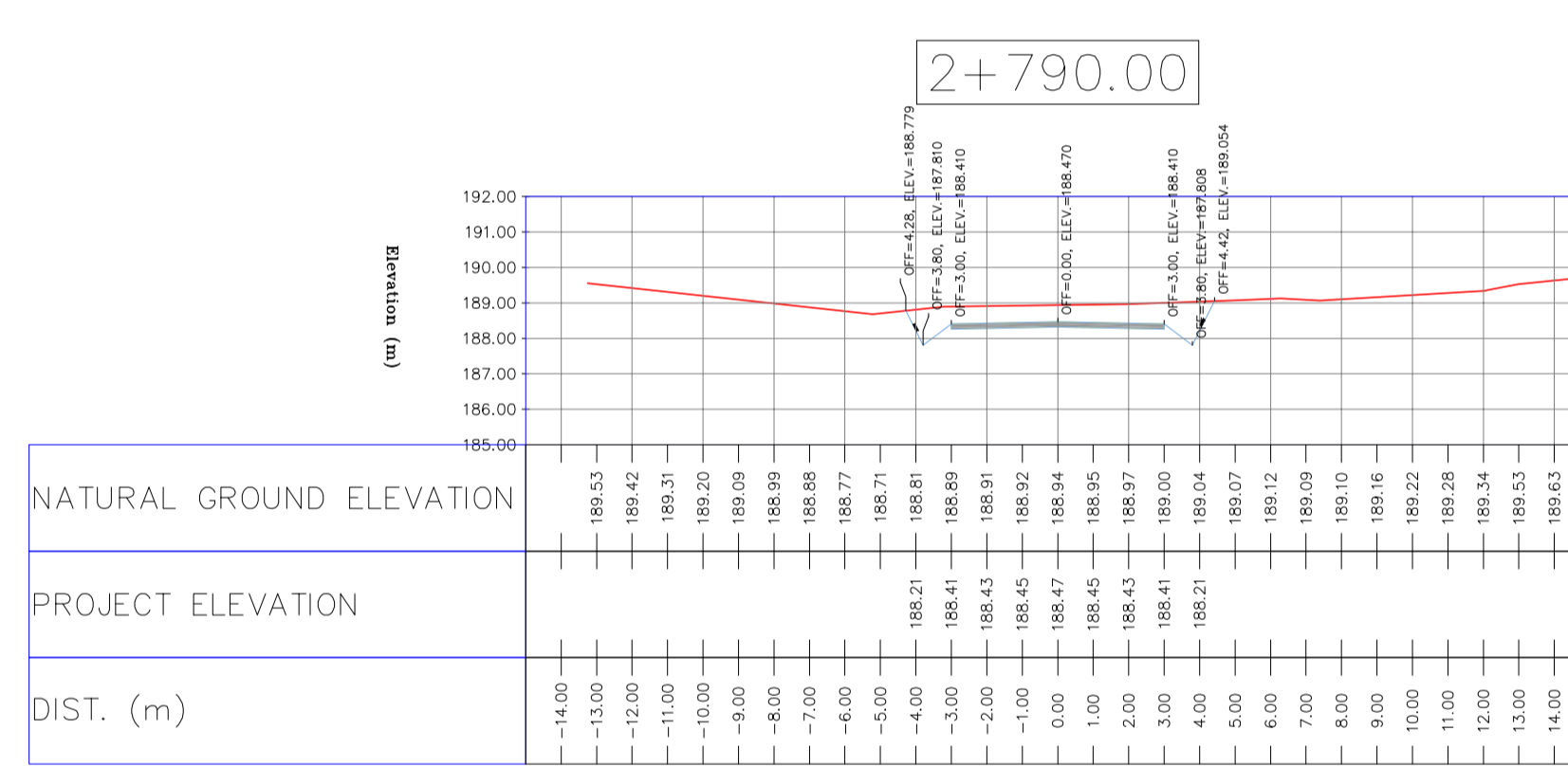
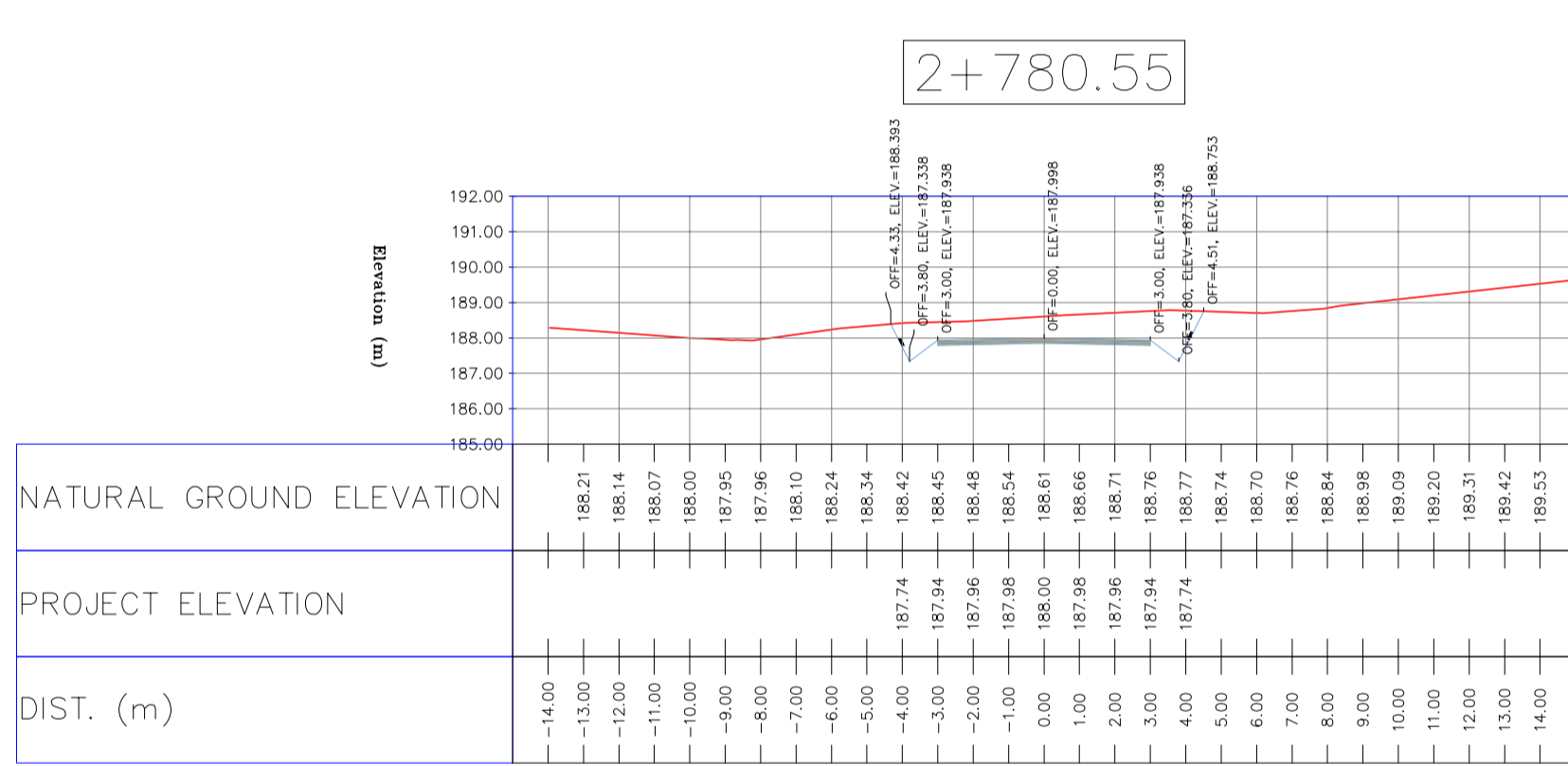
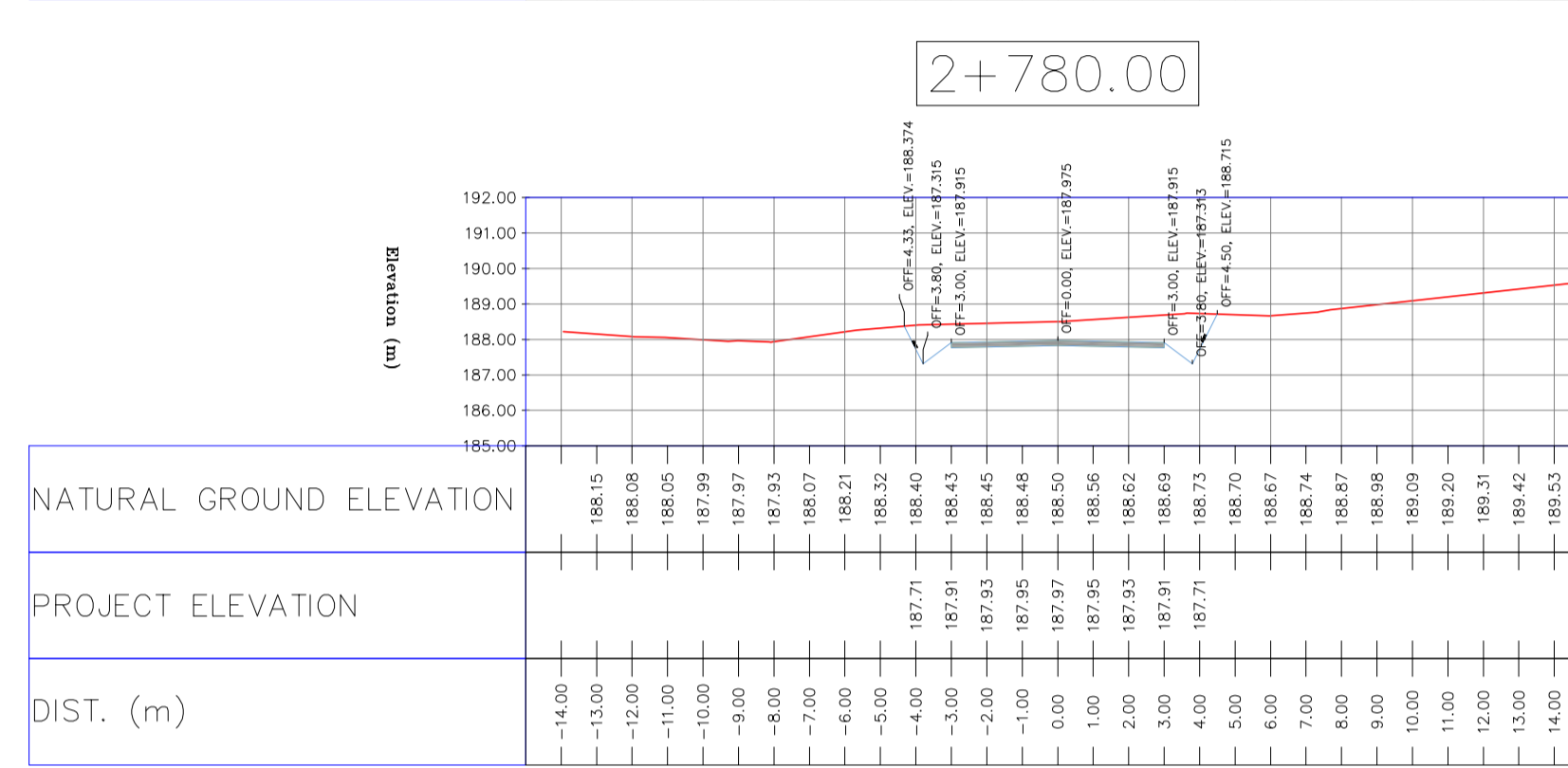
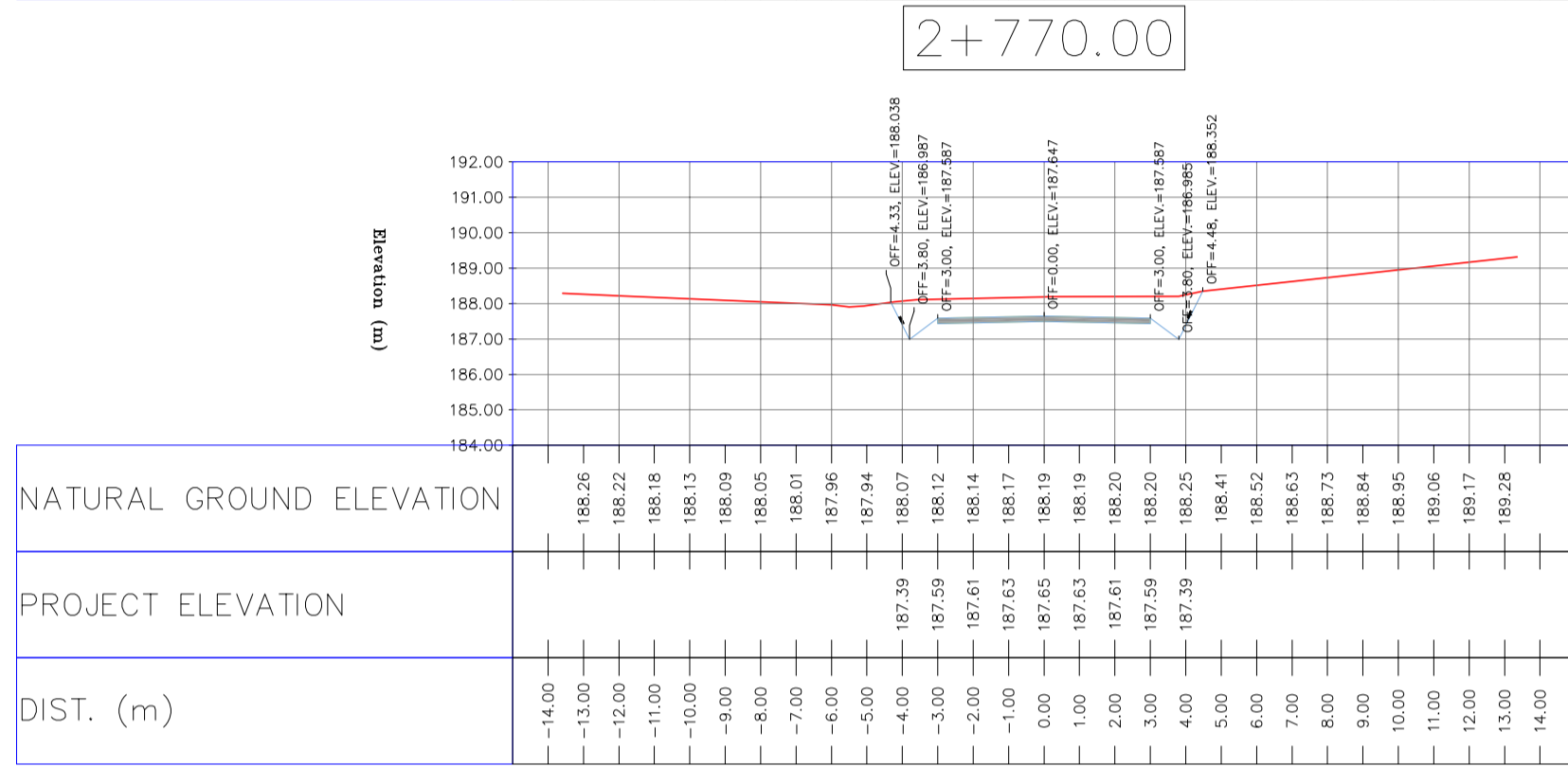
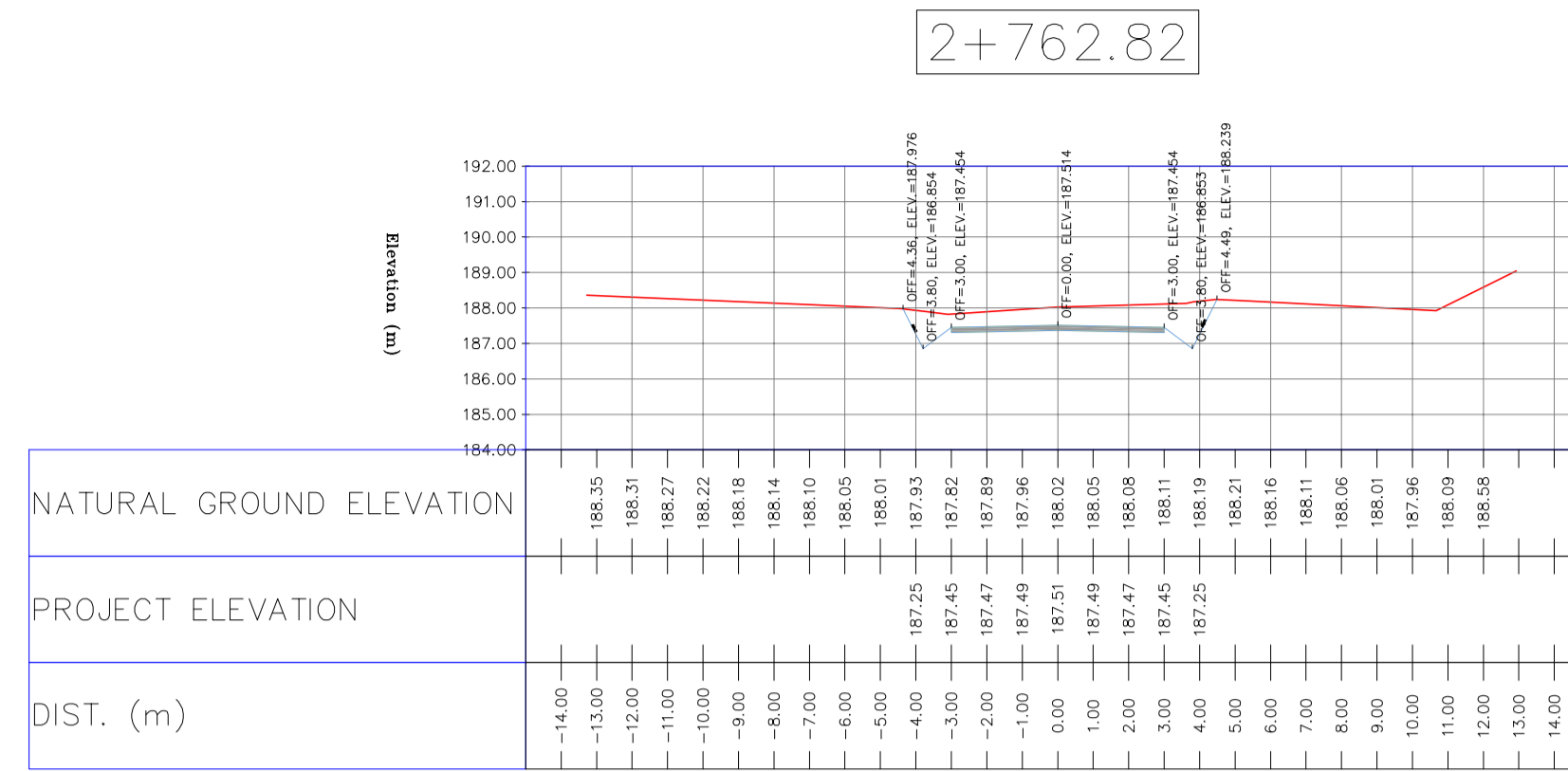
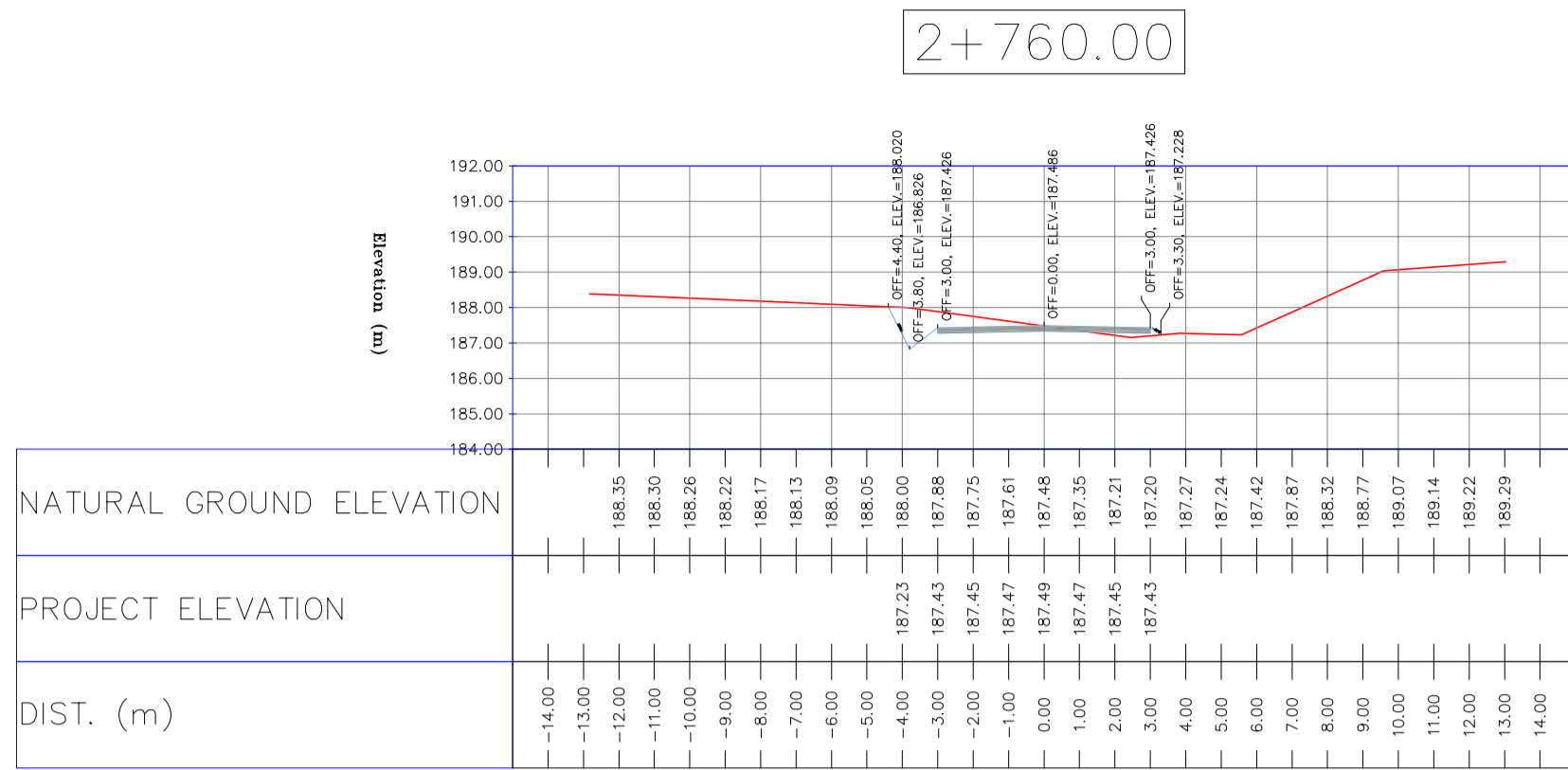
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

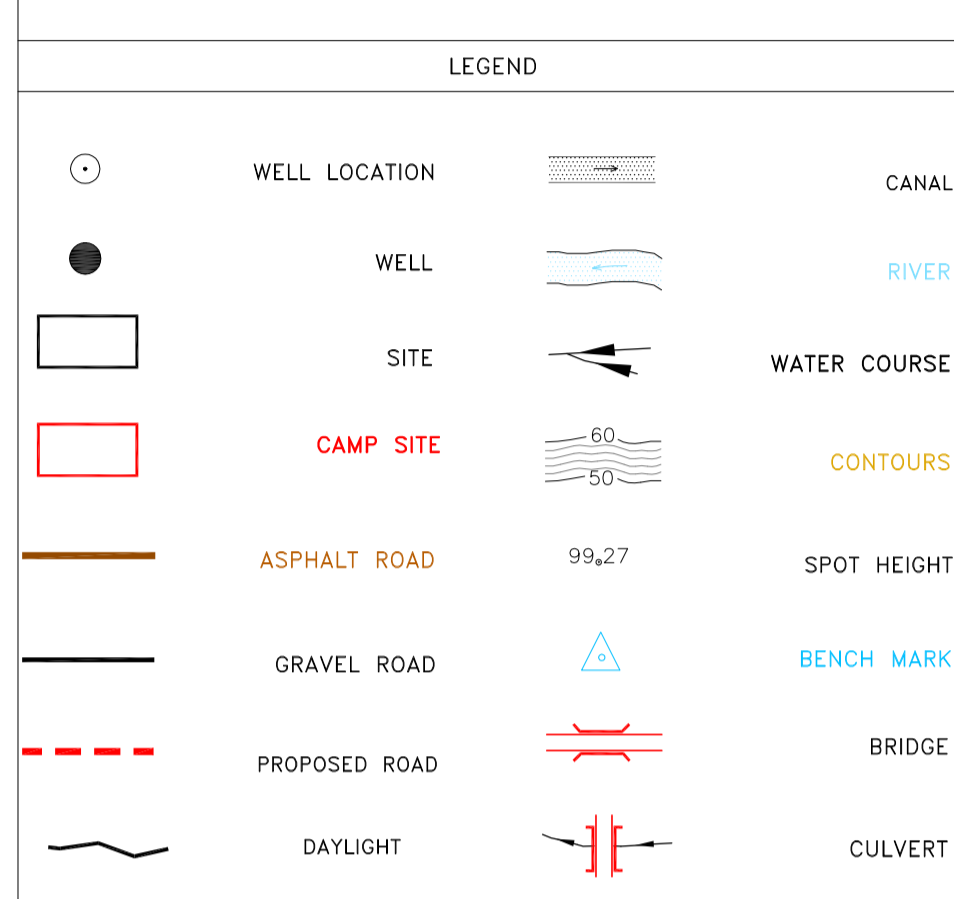
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APPROVED FOR CONSTRUCTION	BY:	DATE:



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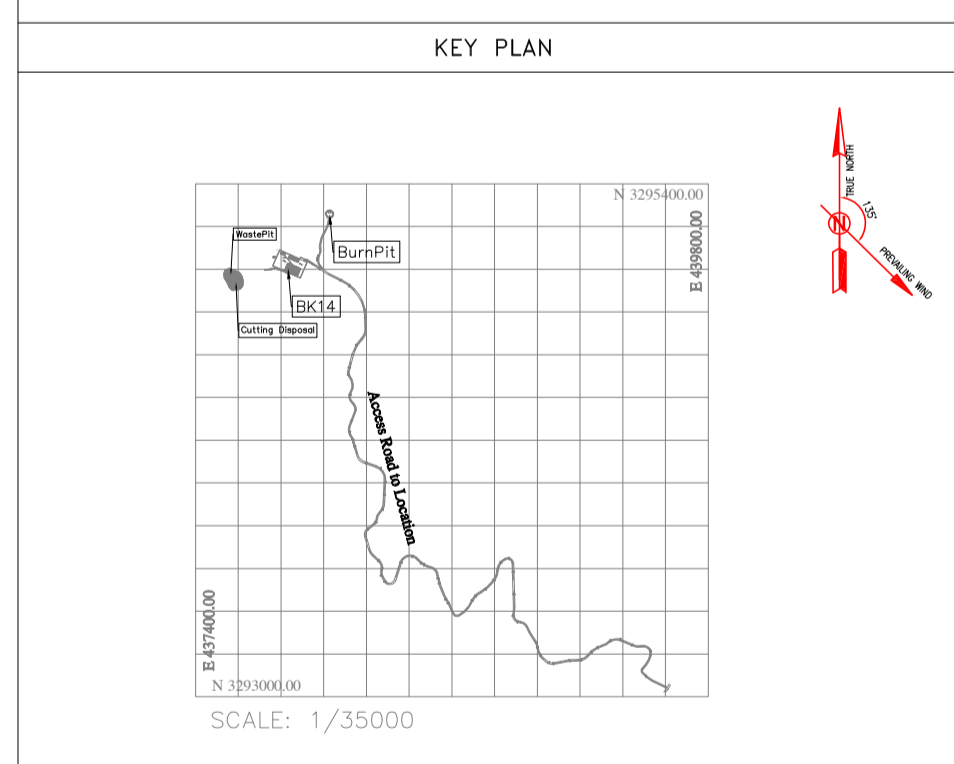
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SCALE: H=1:200 V=1:200

SIZE: A1

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

SHEET NO.: 69 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 69

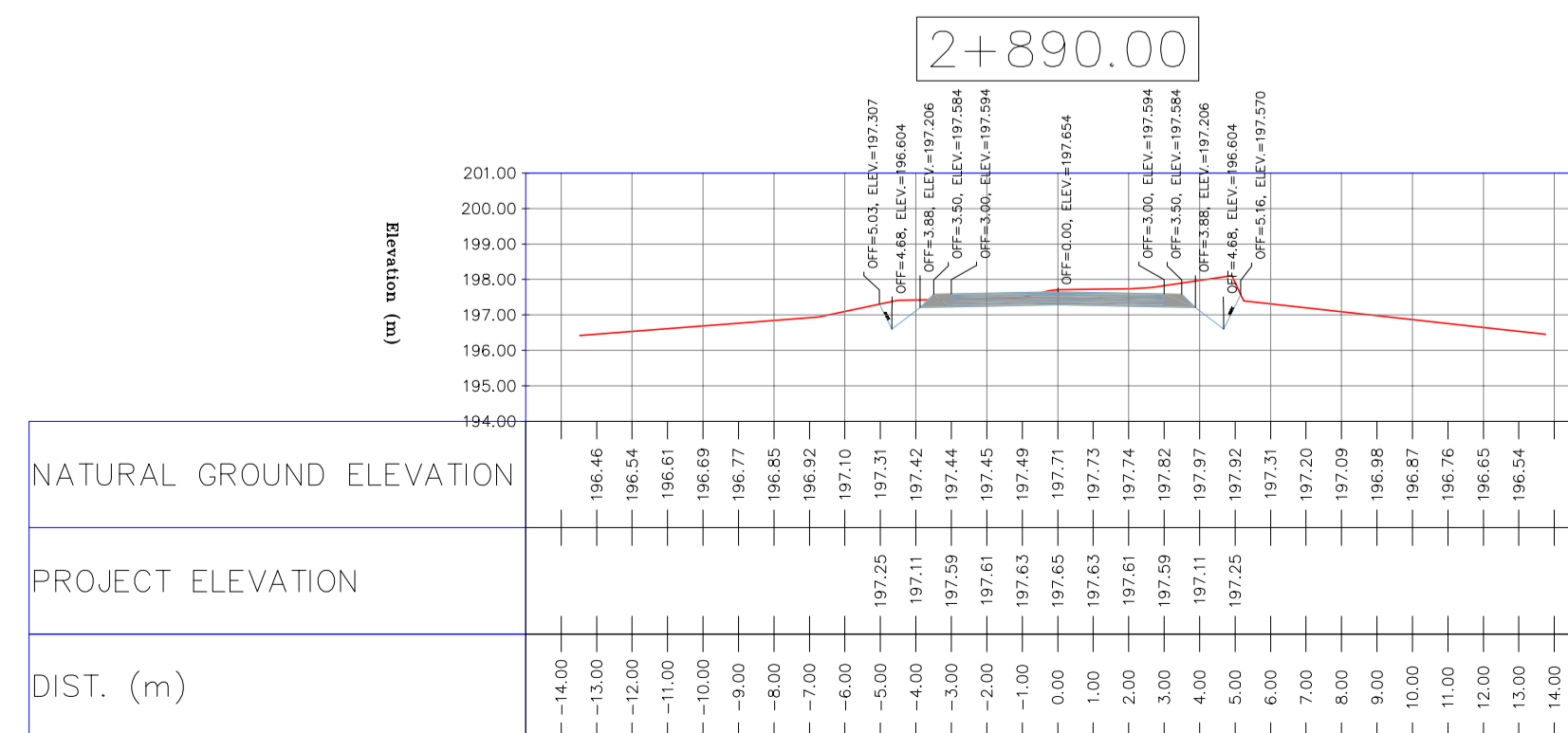
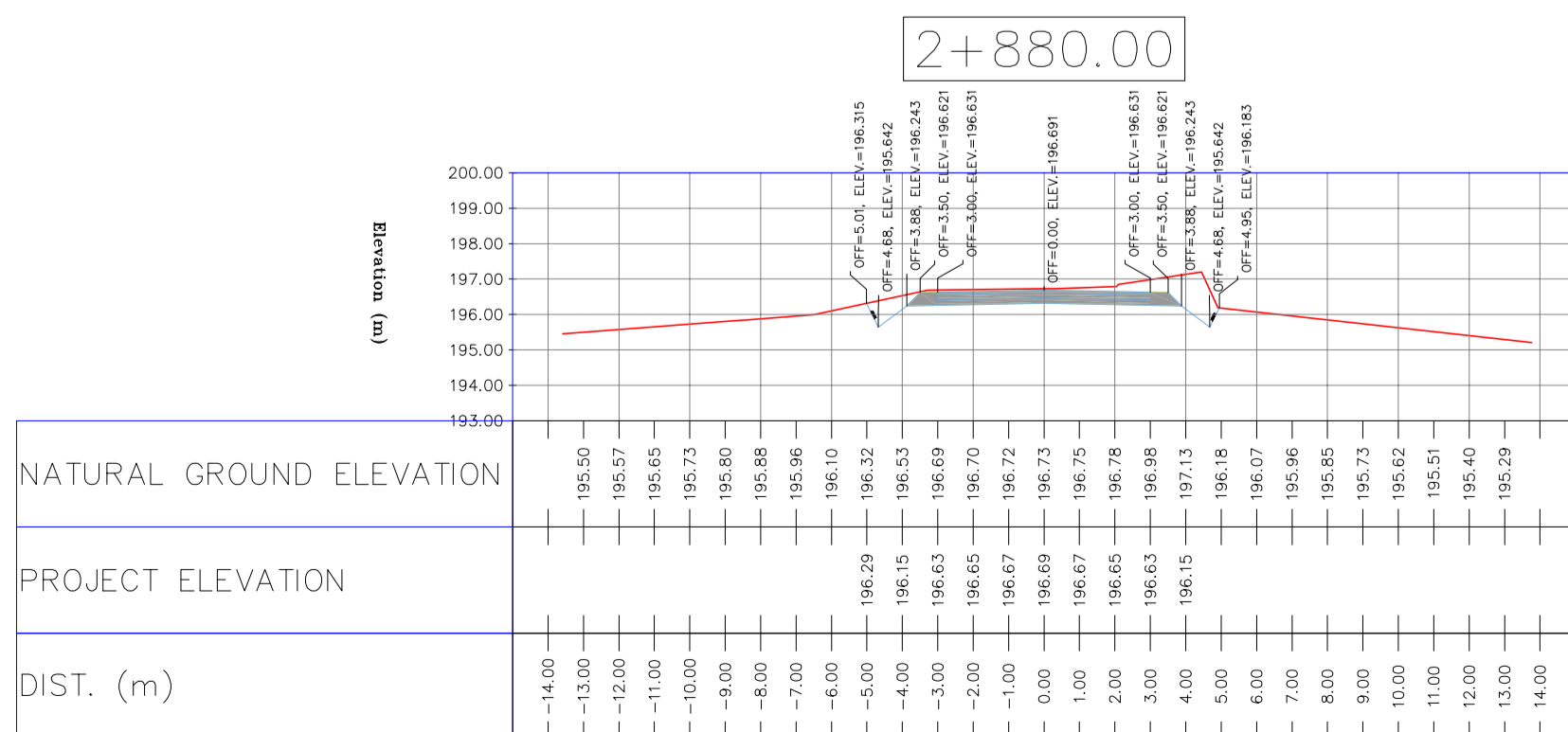
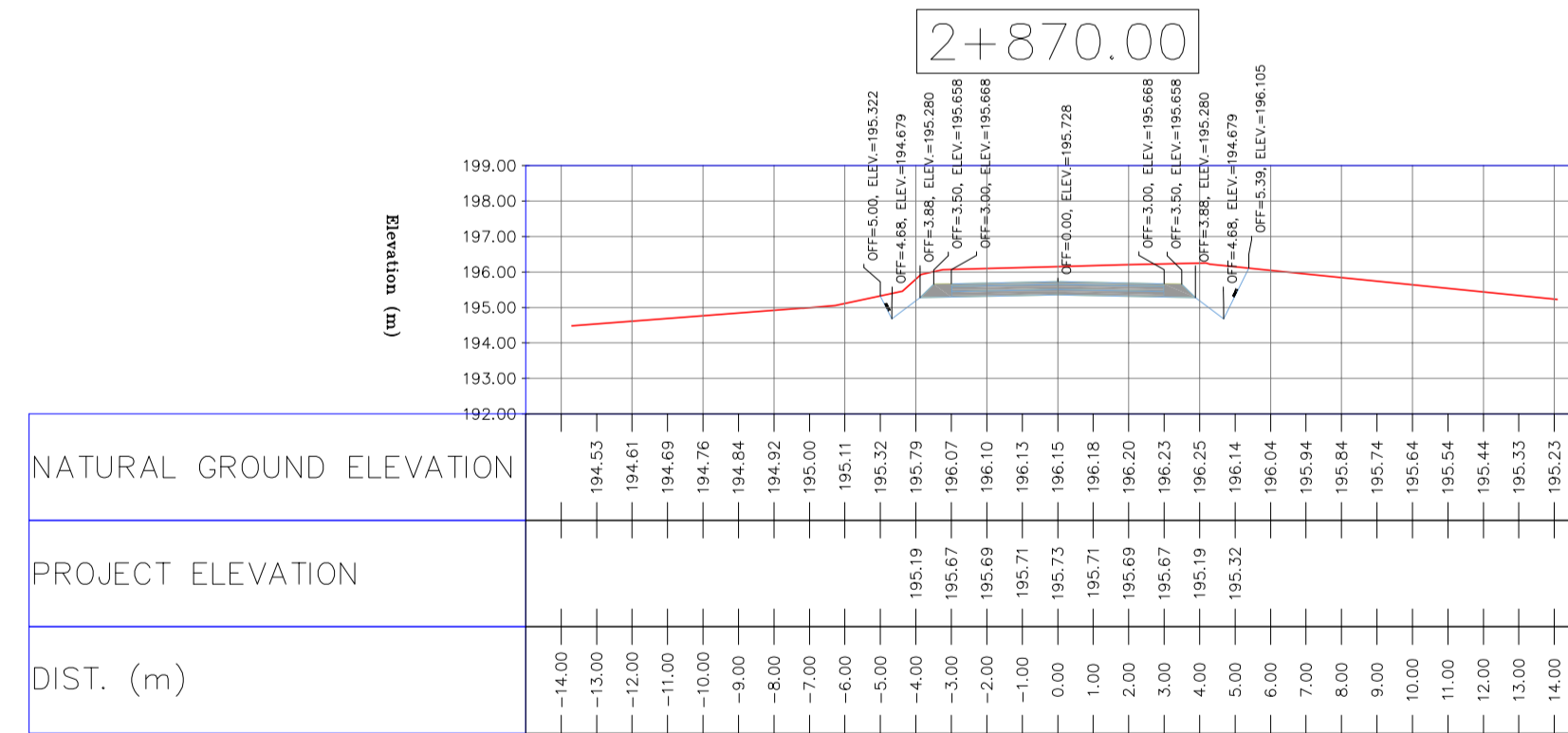
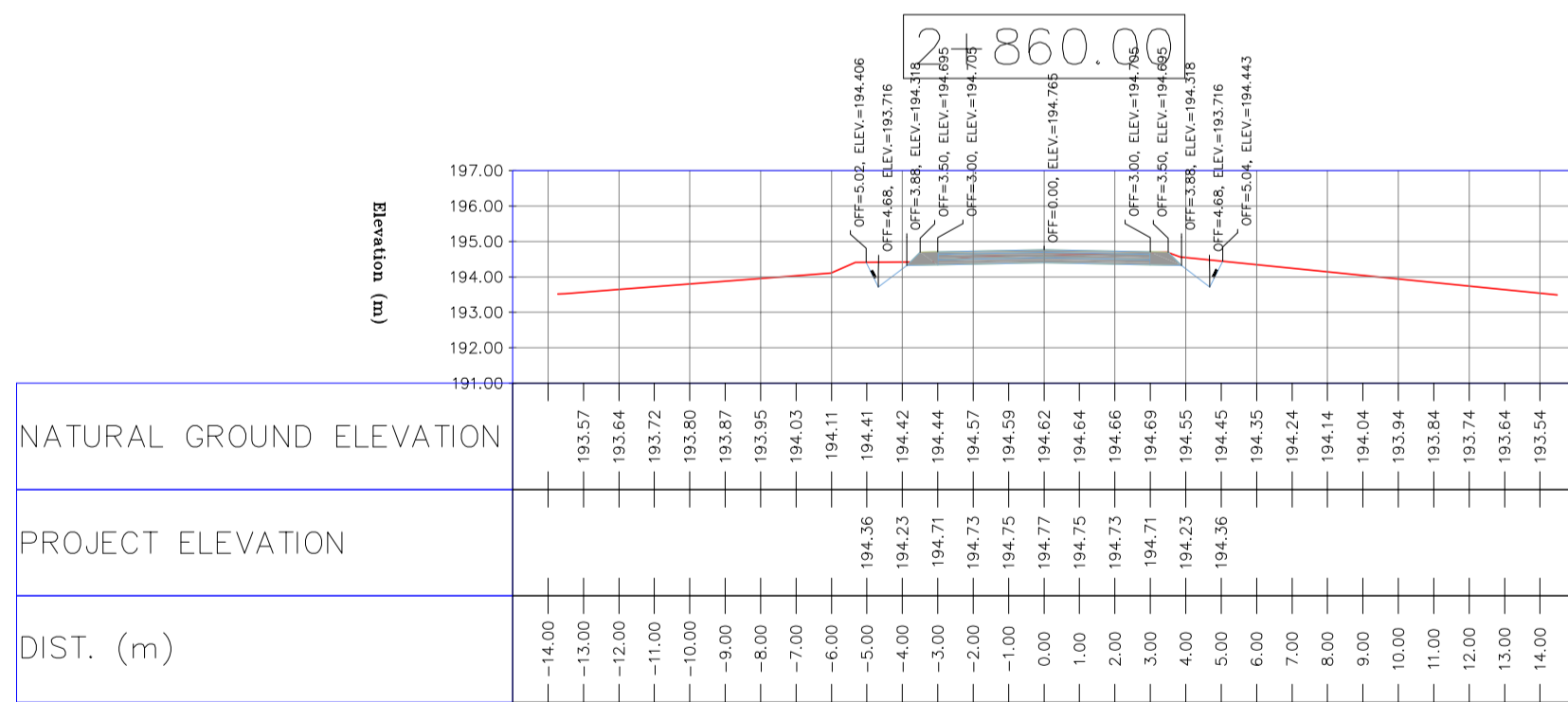
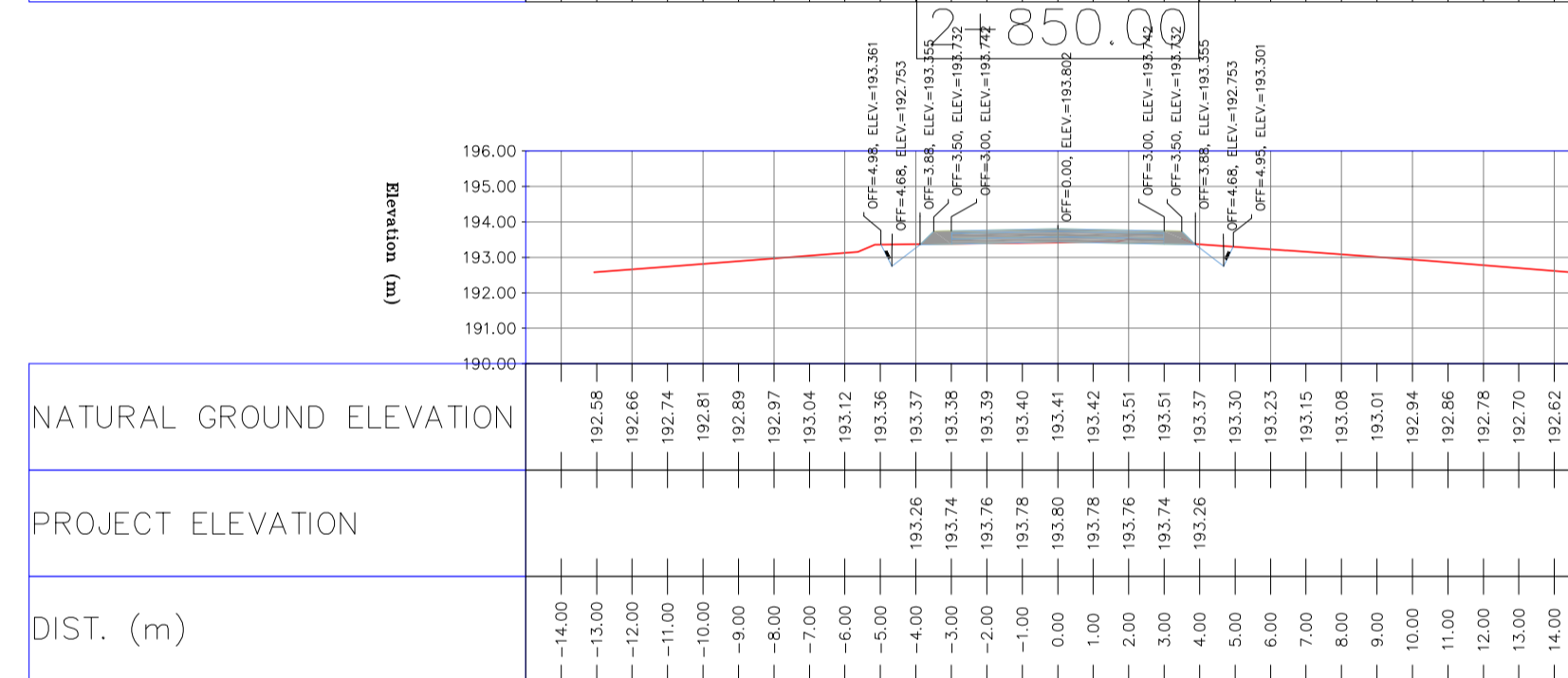
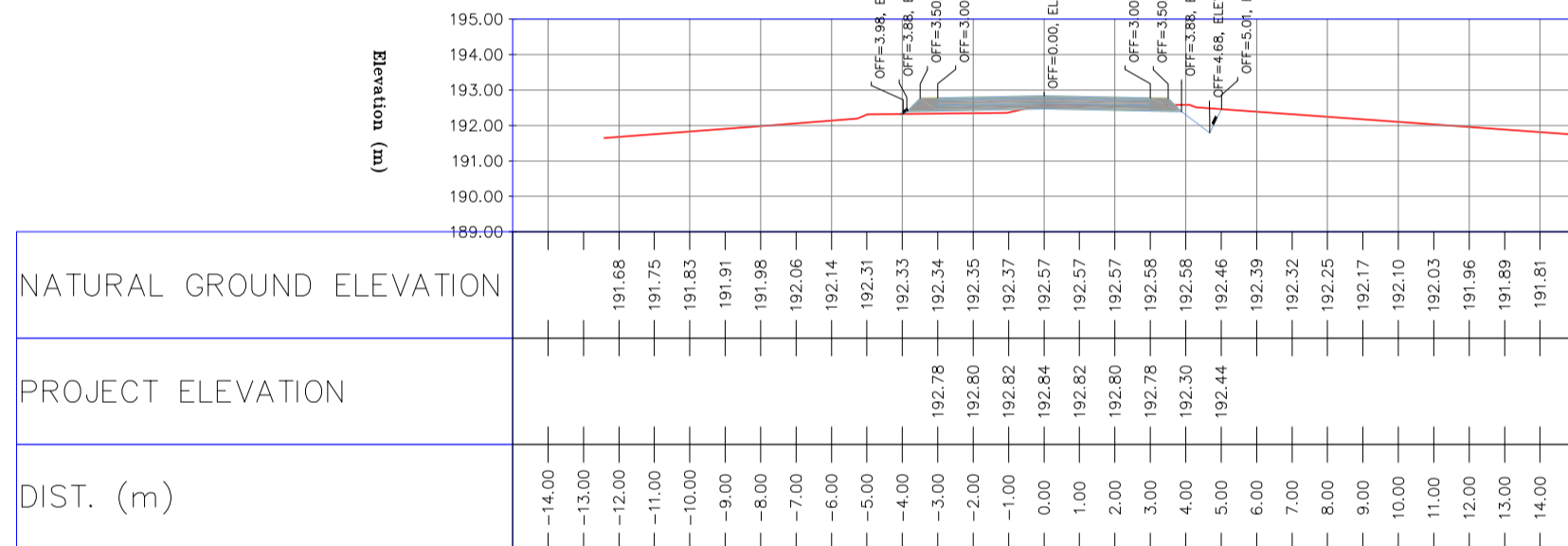
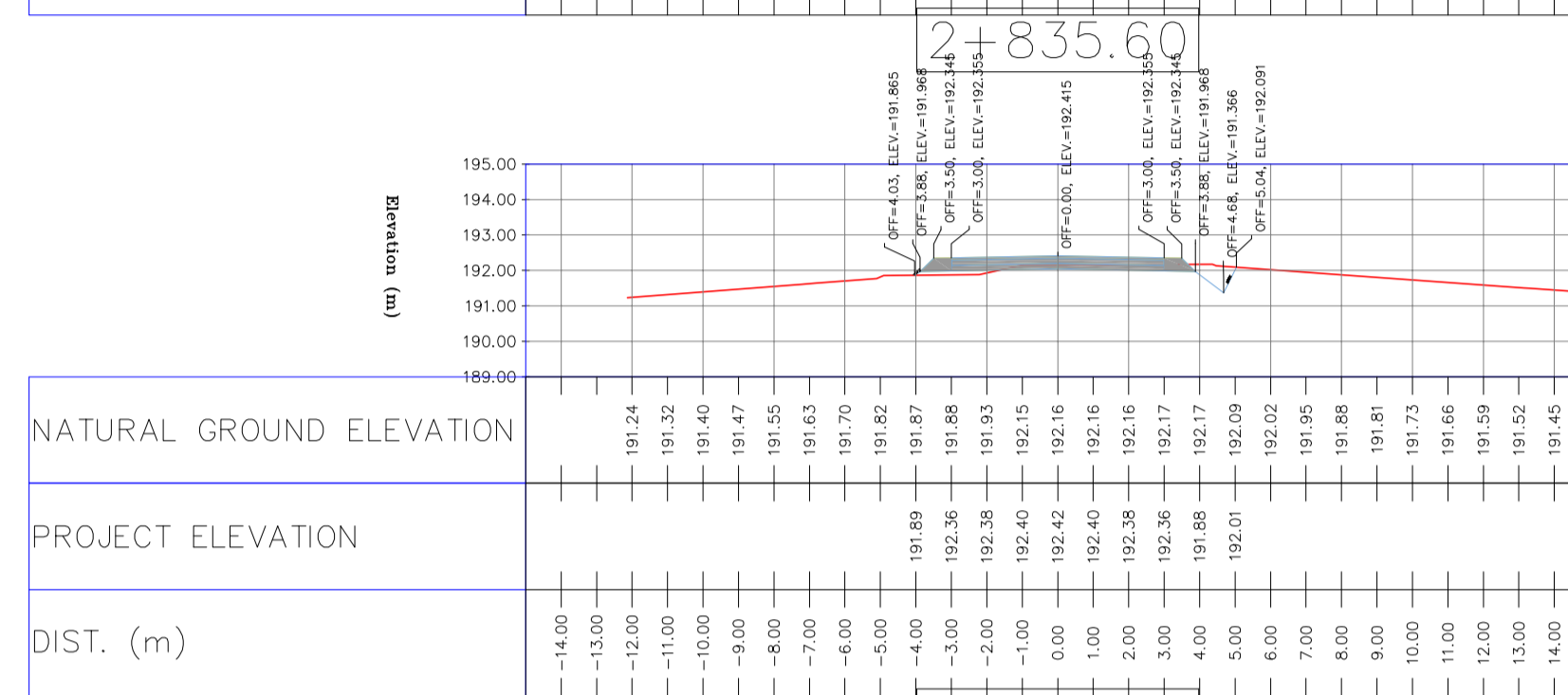
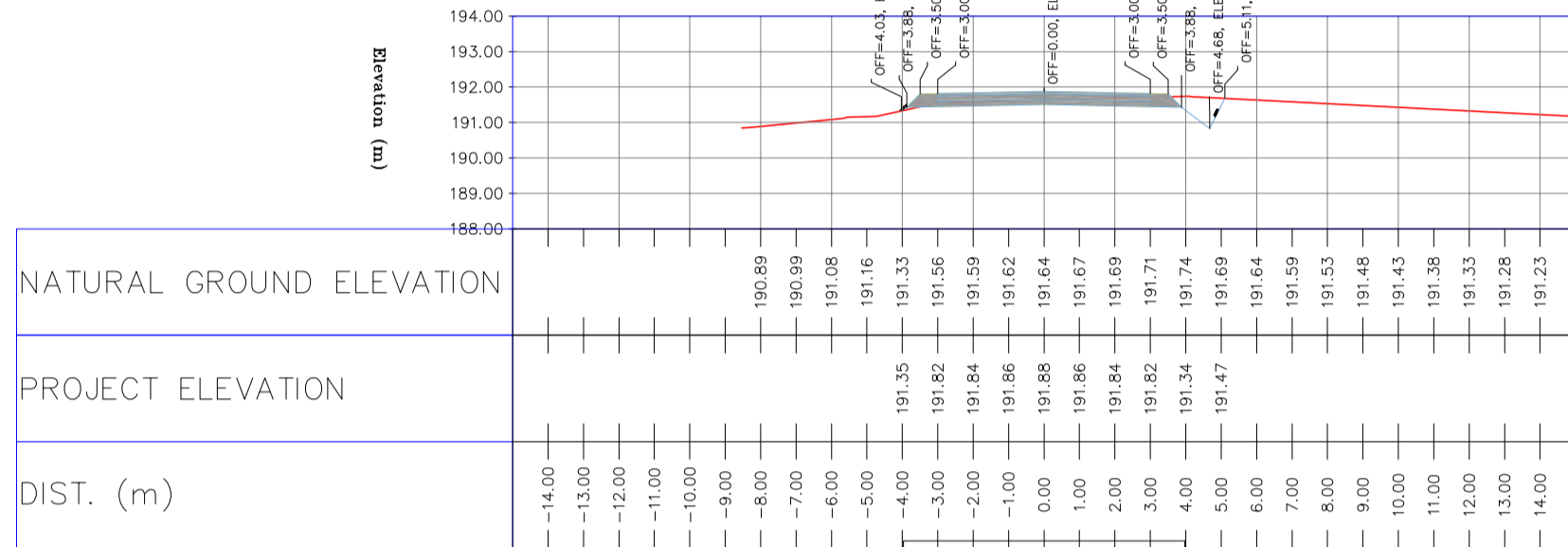
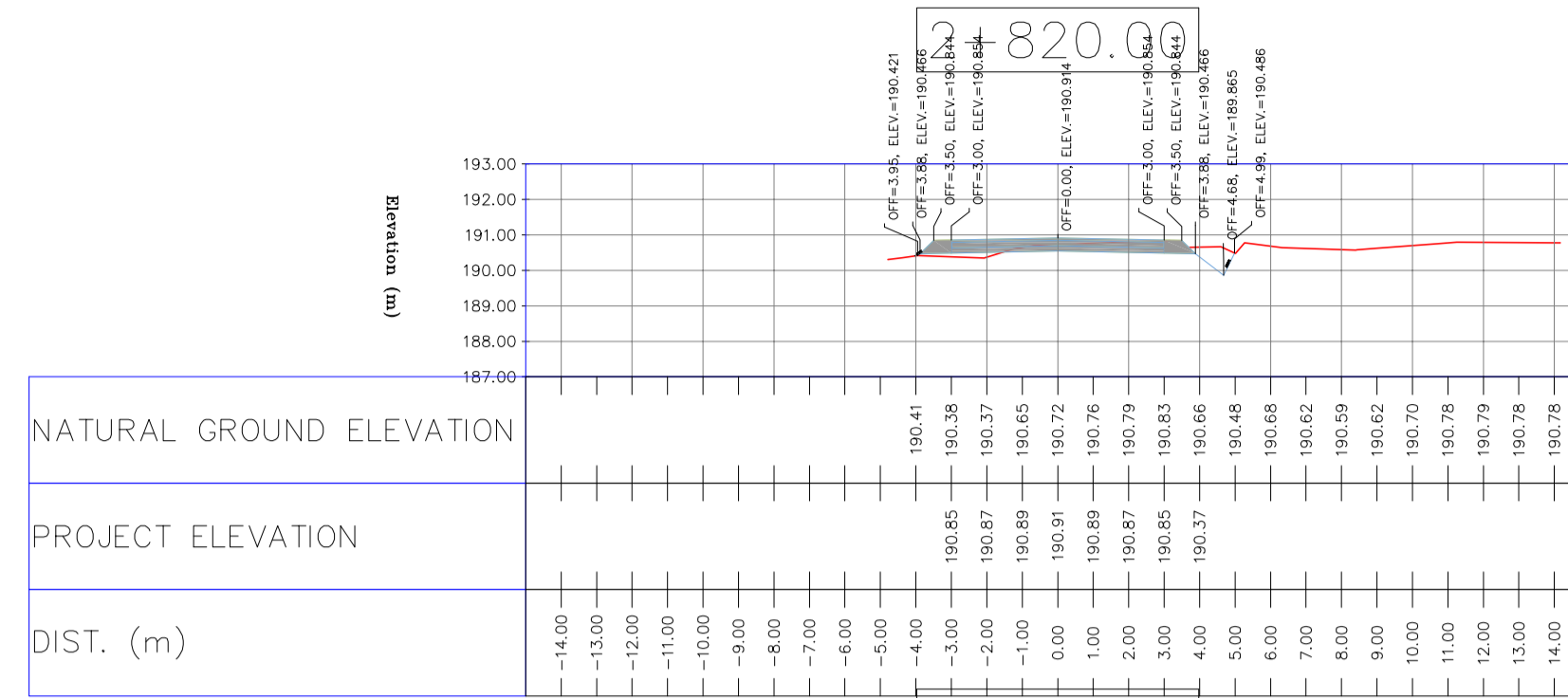
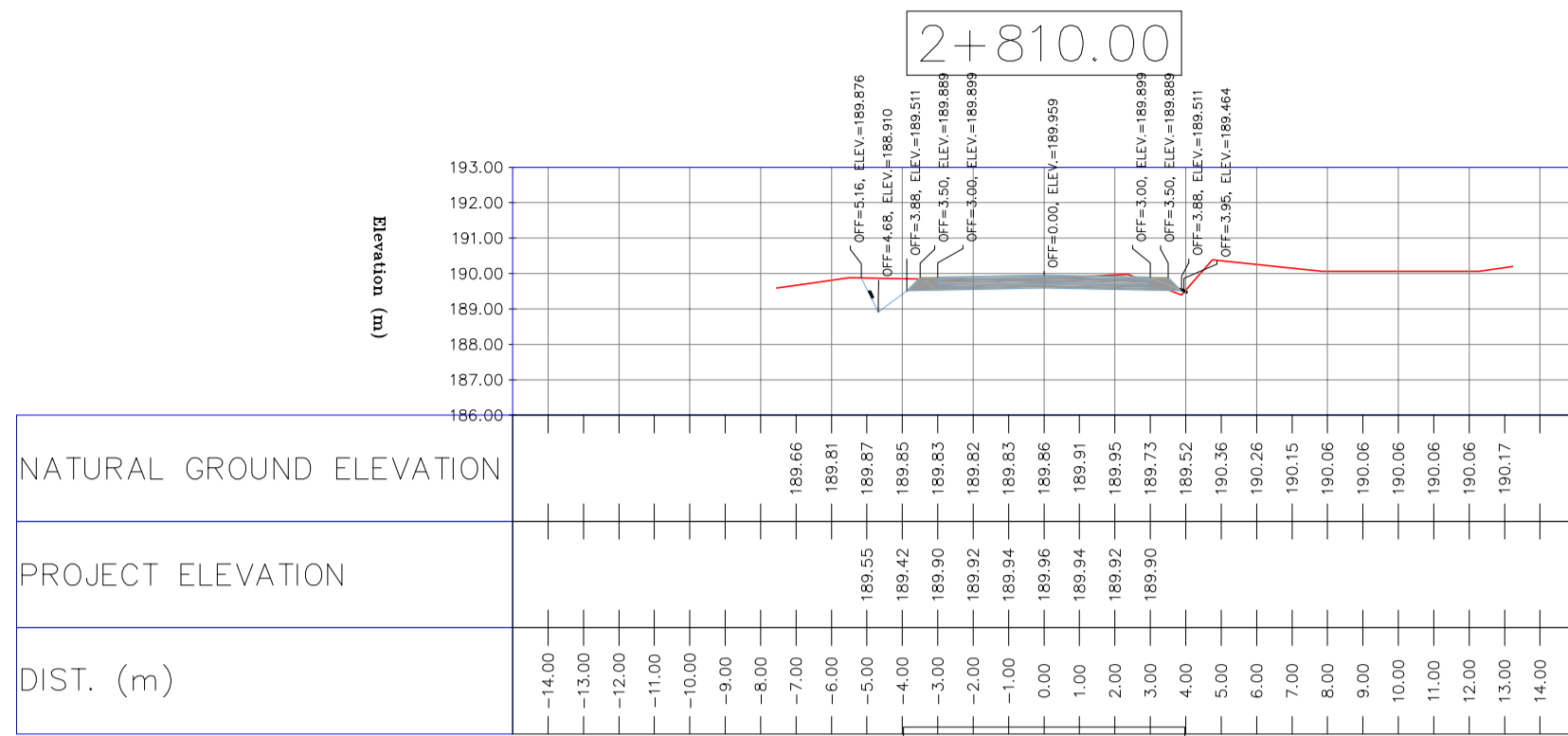
REVISION: D05

اخذ و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد. THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

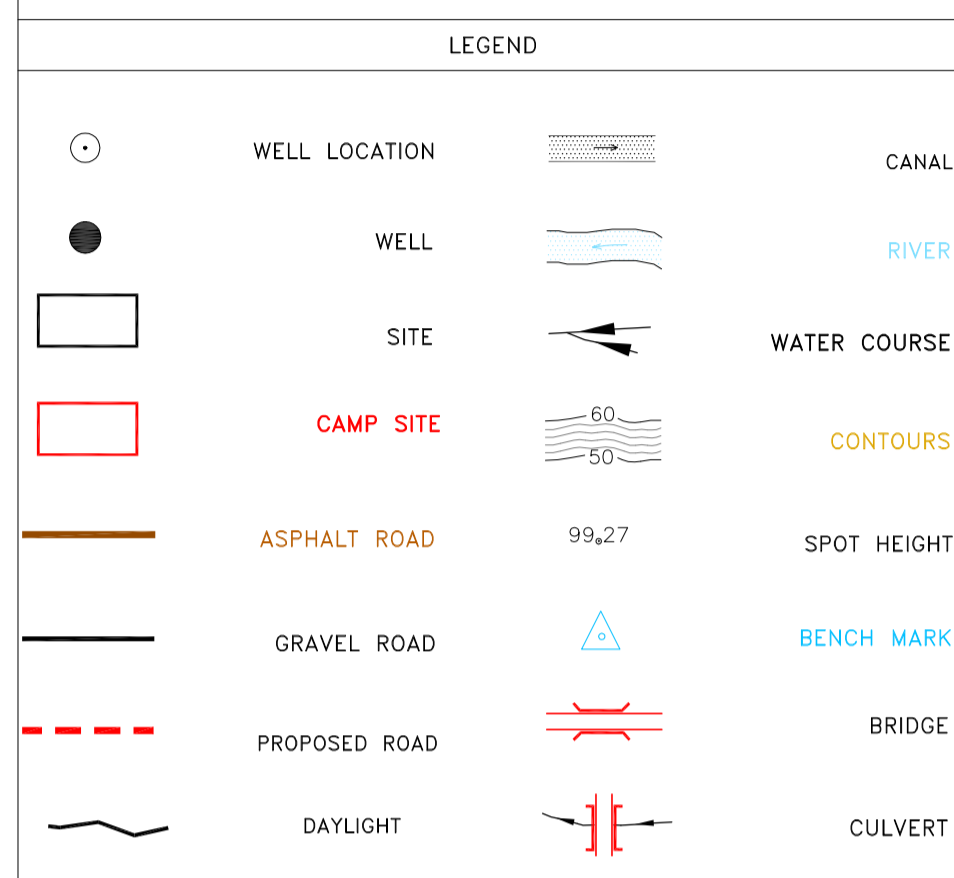
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APPROVED FOR CONSTRUCTION	BY:	DATE:

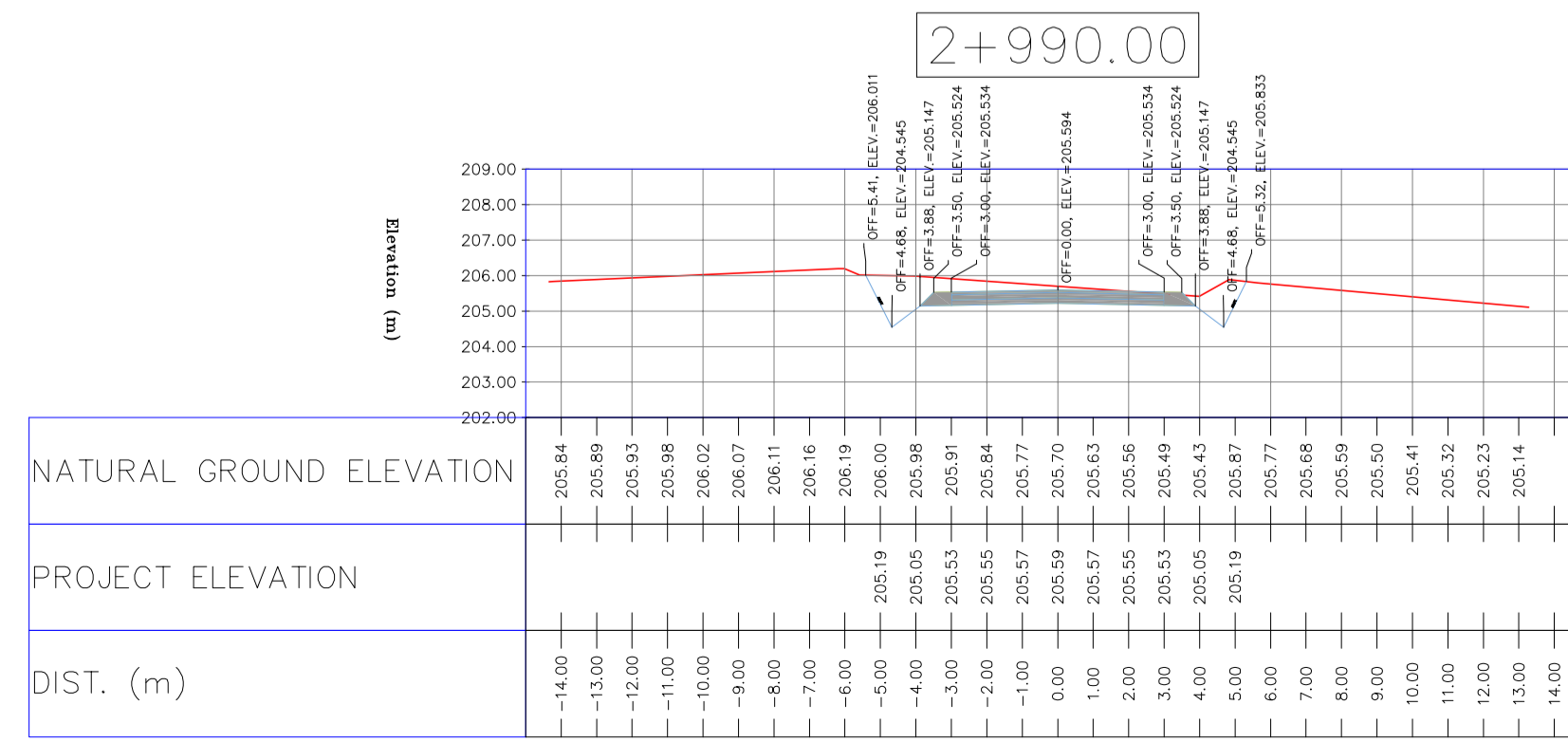
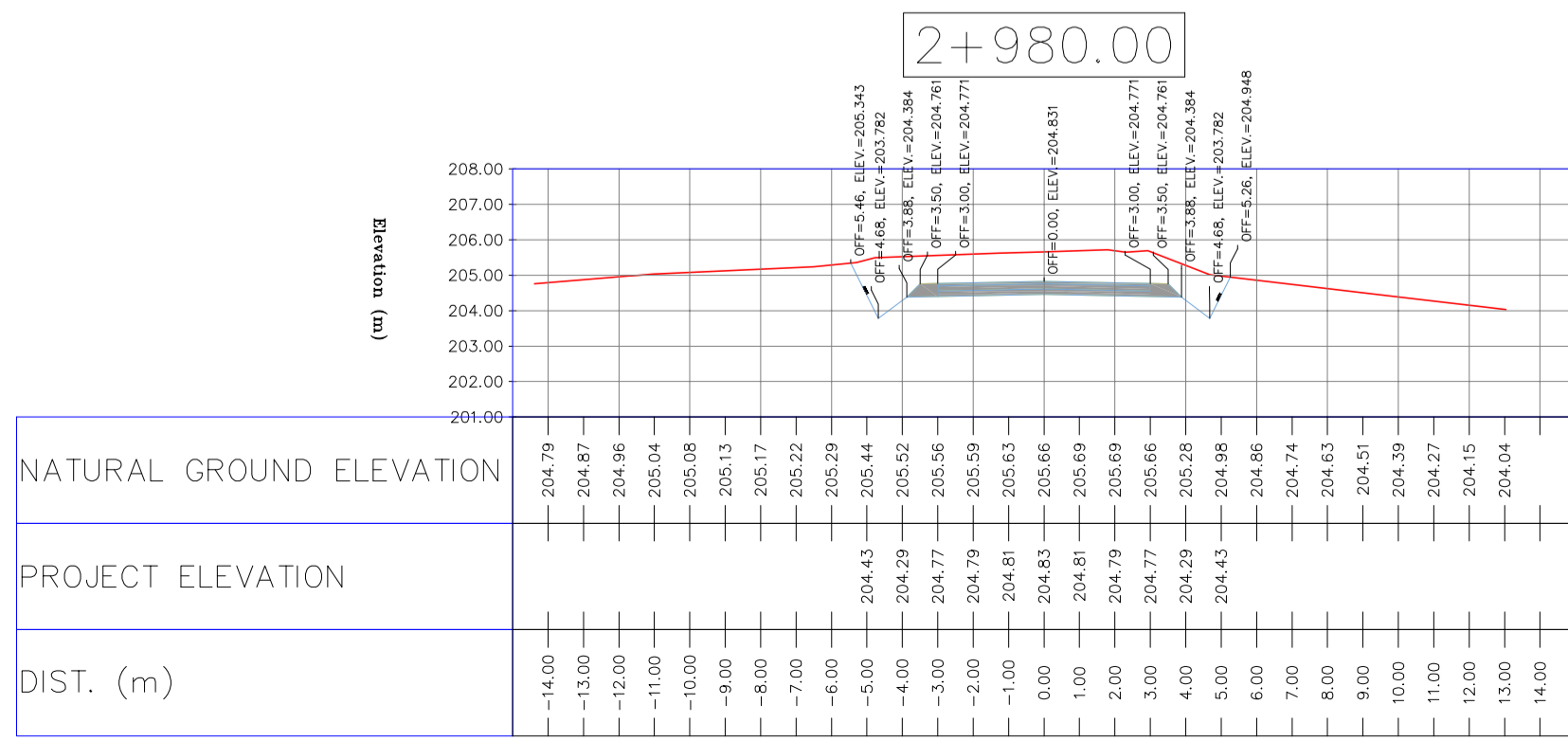
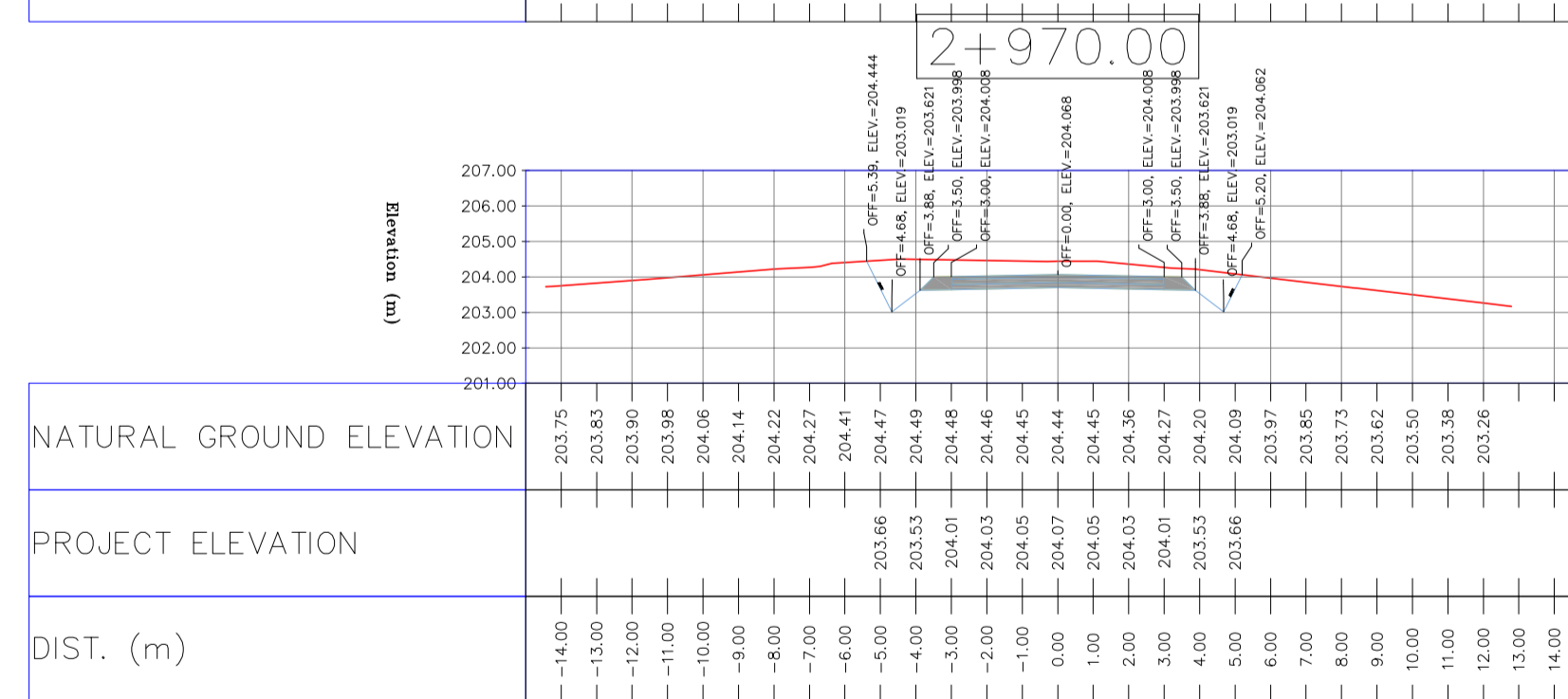
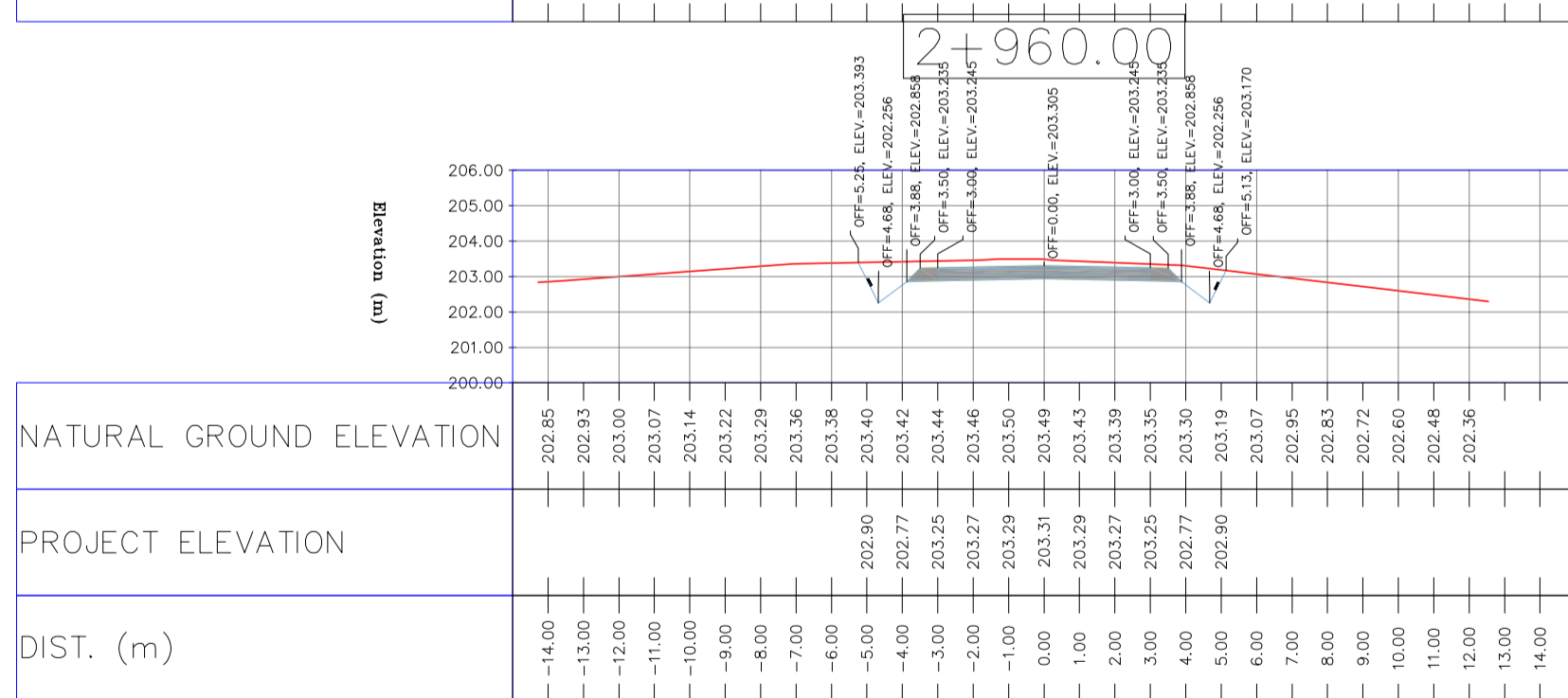
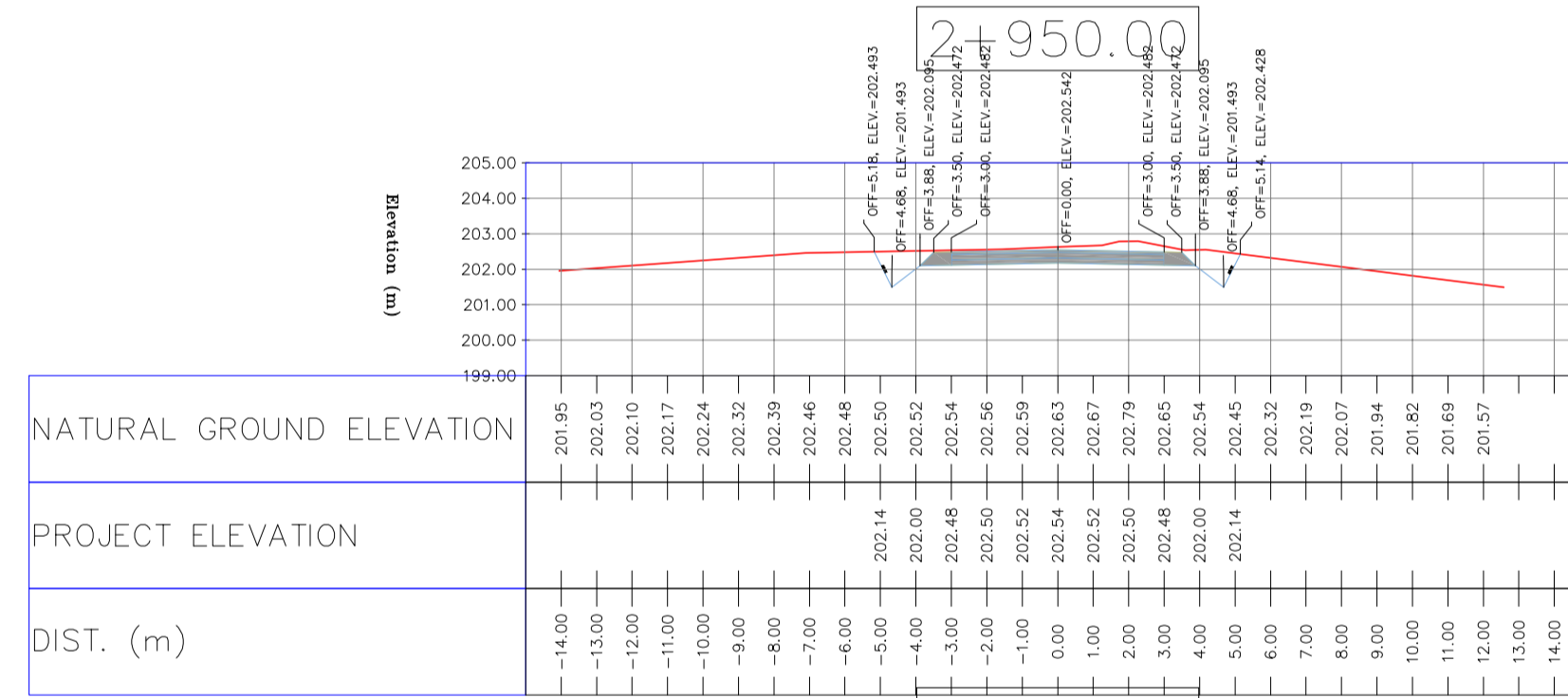
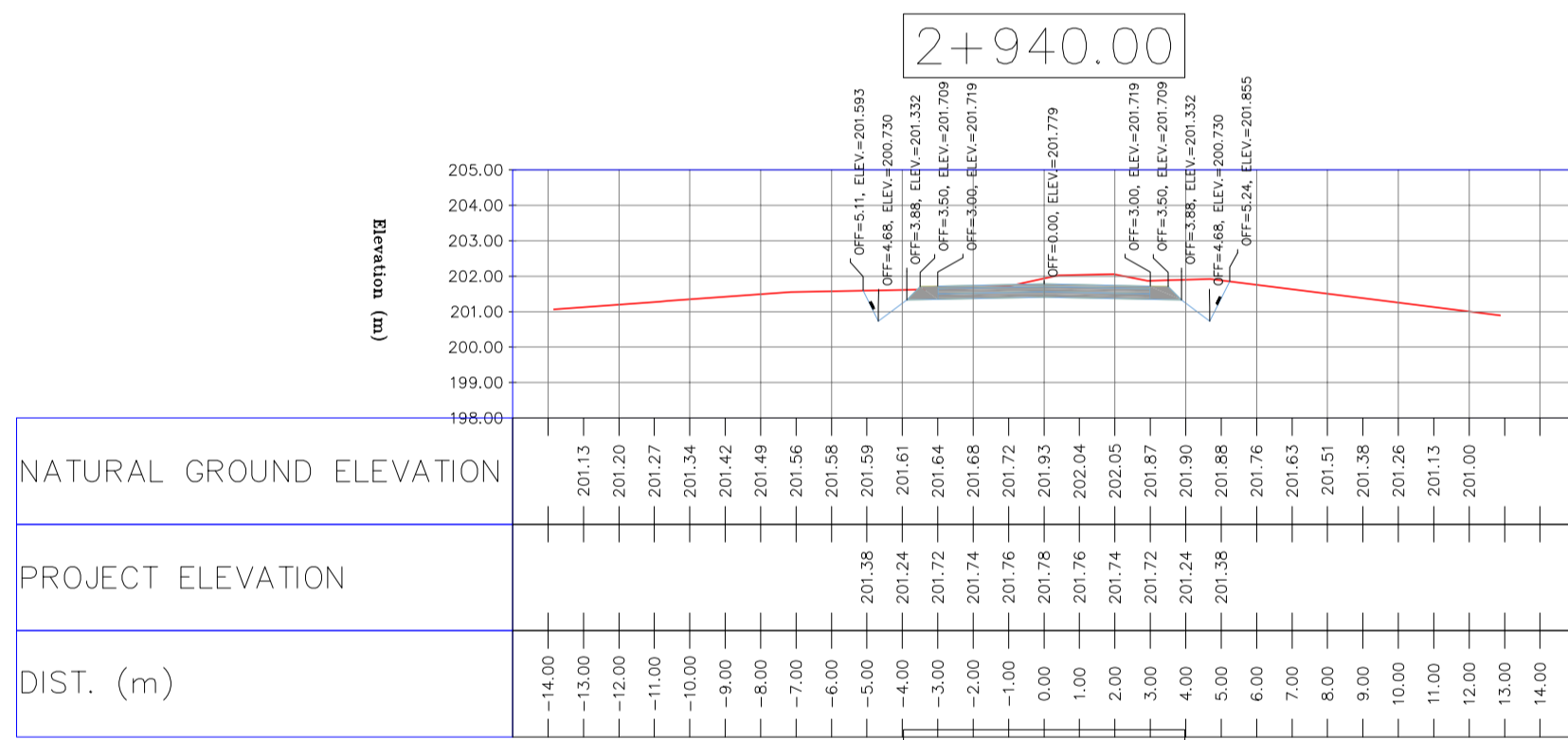
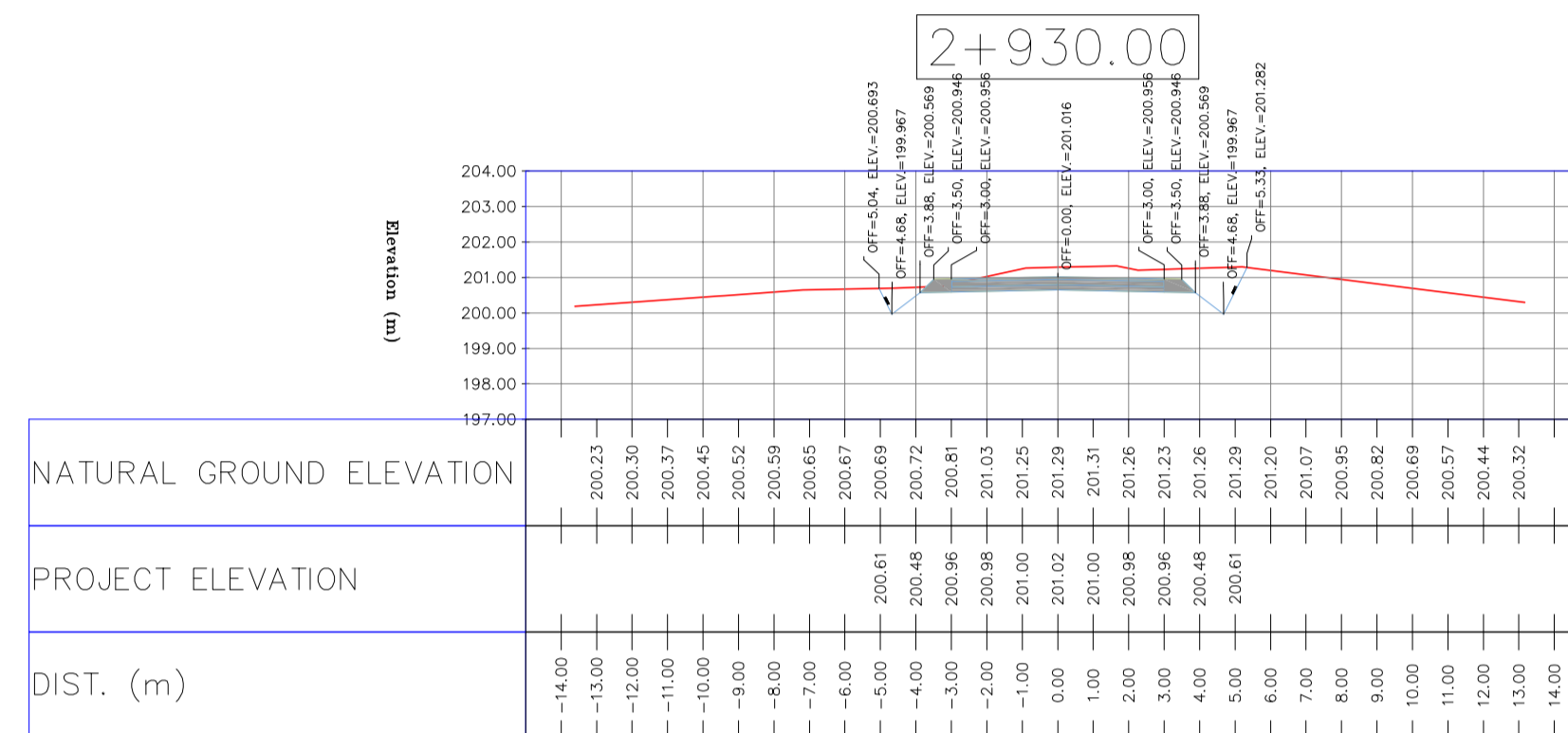
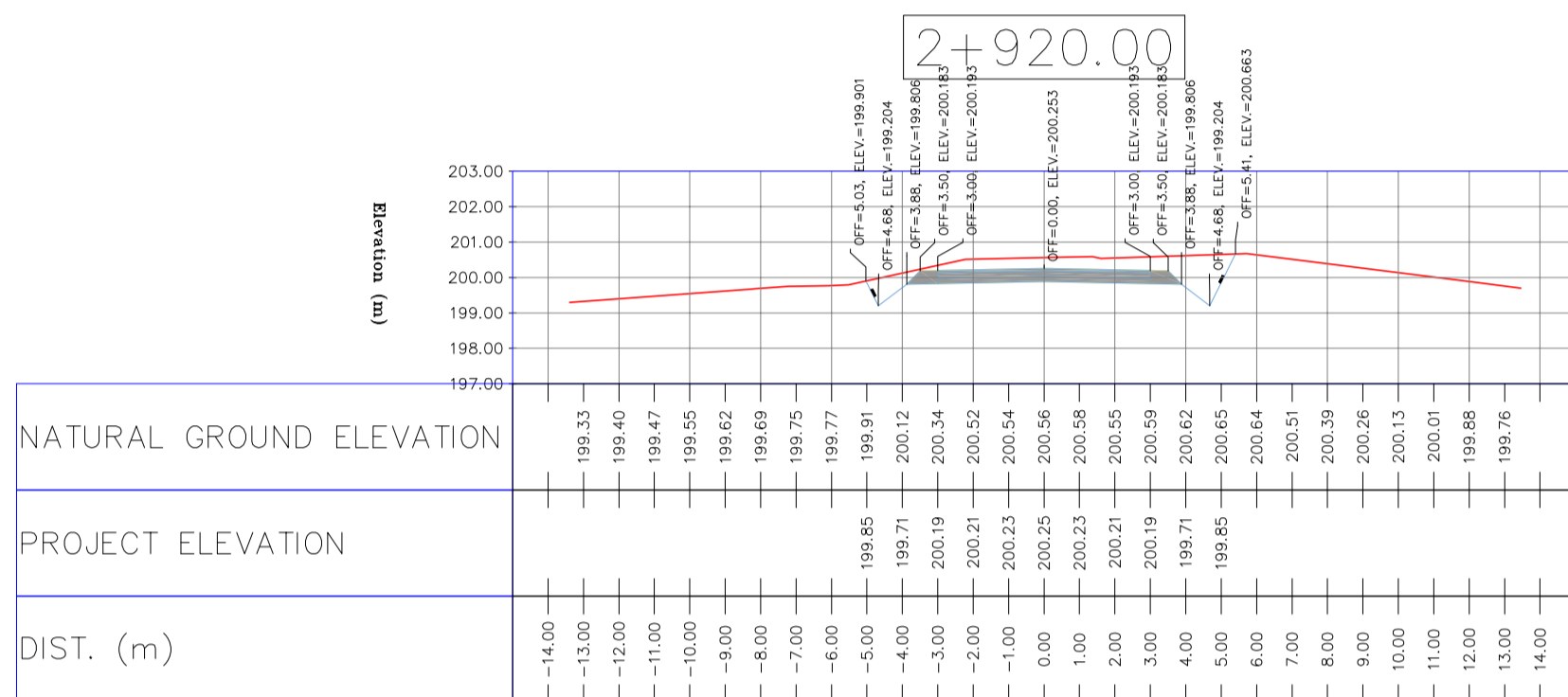
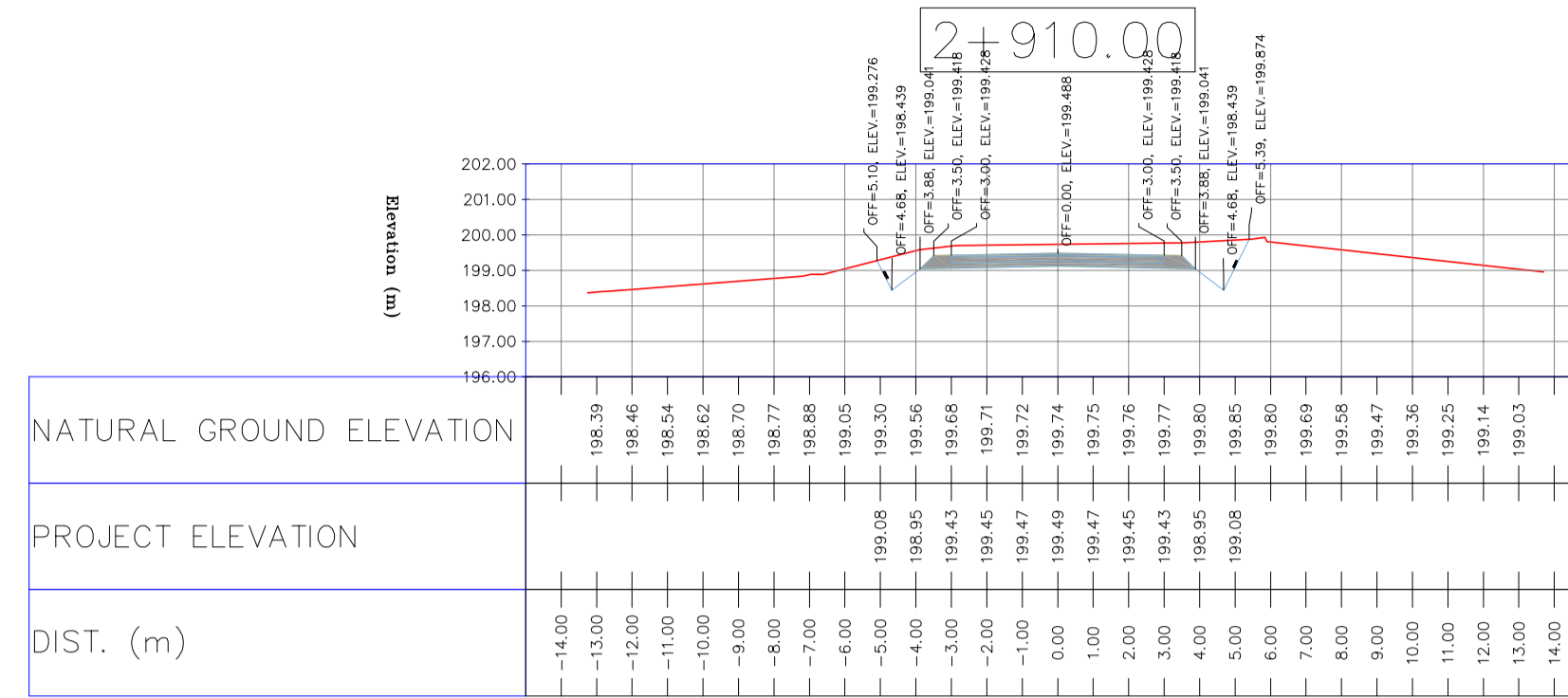
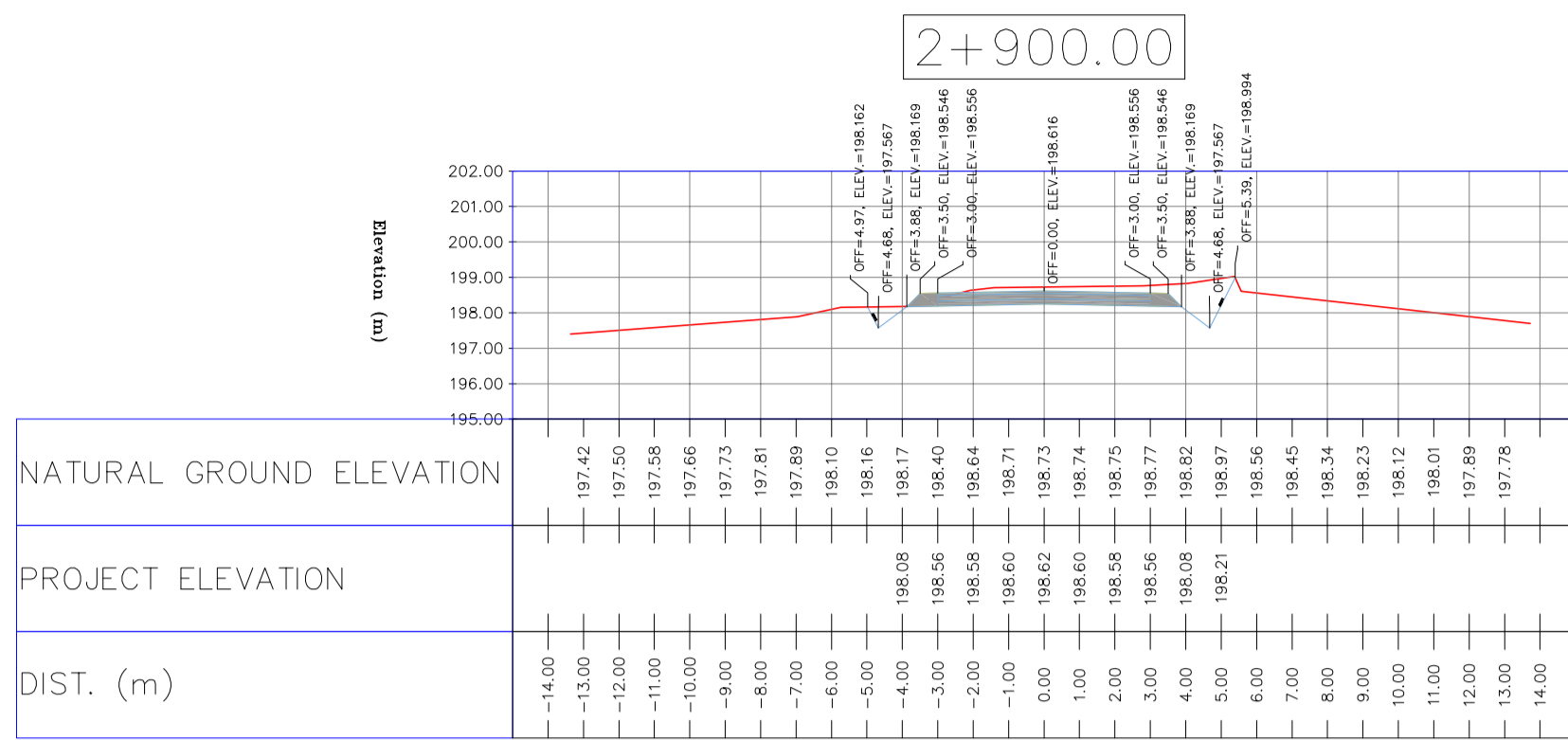


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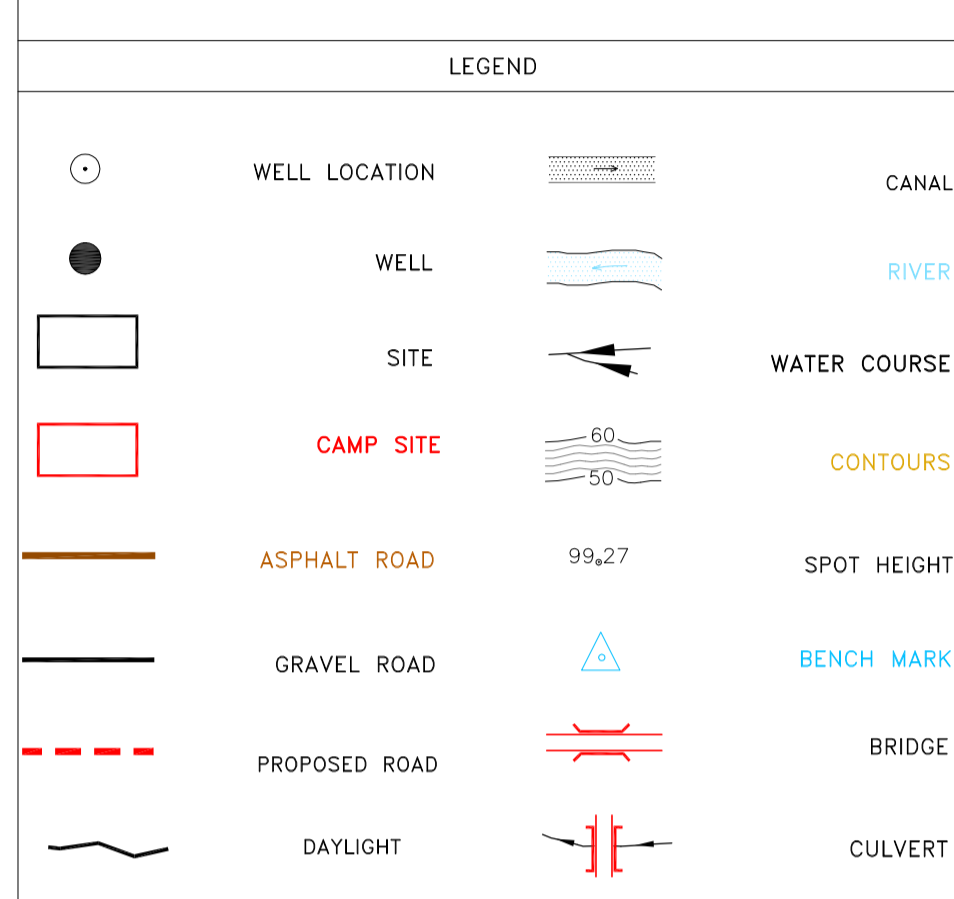


REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-

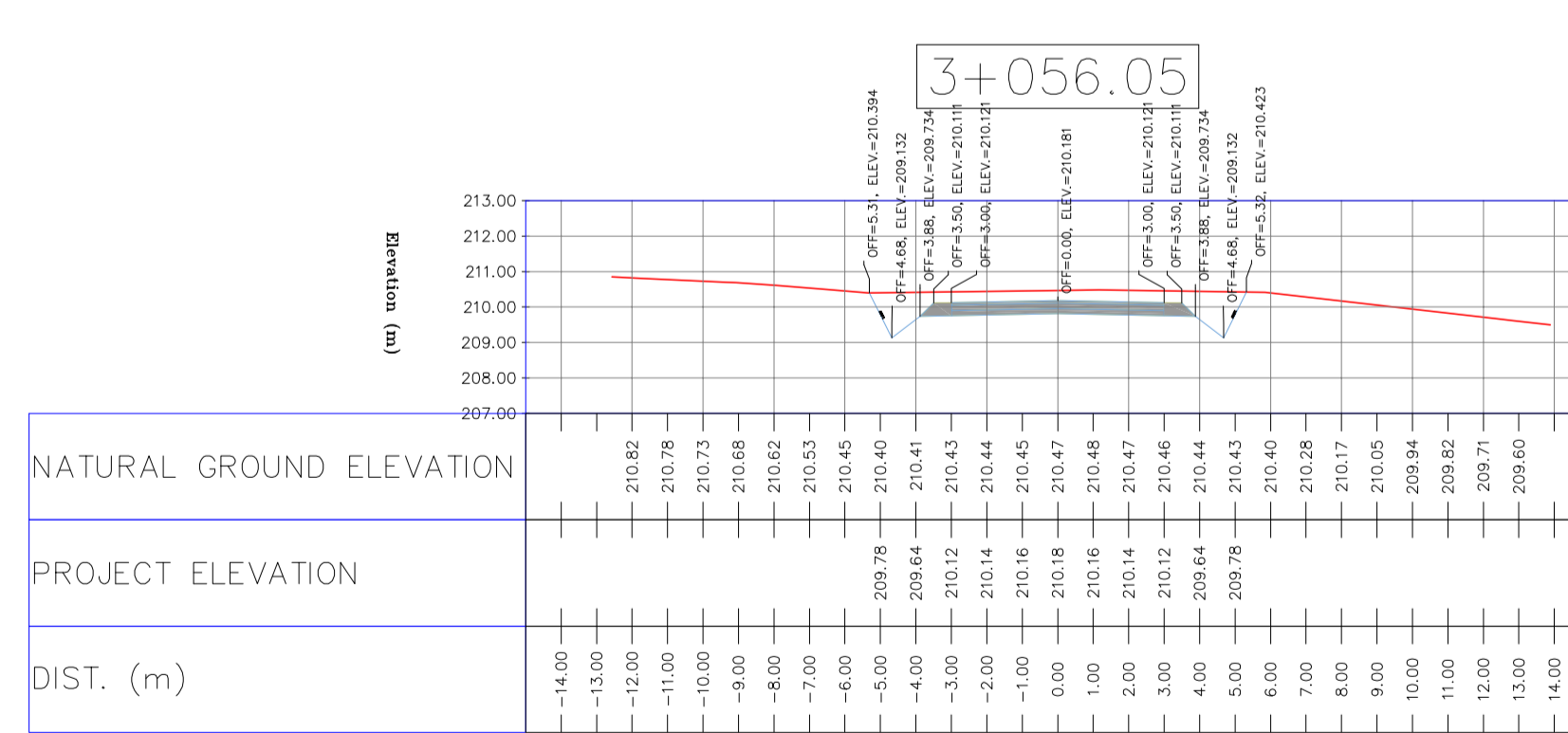
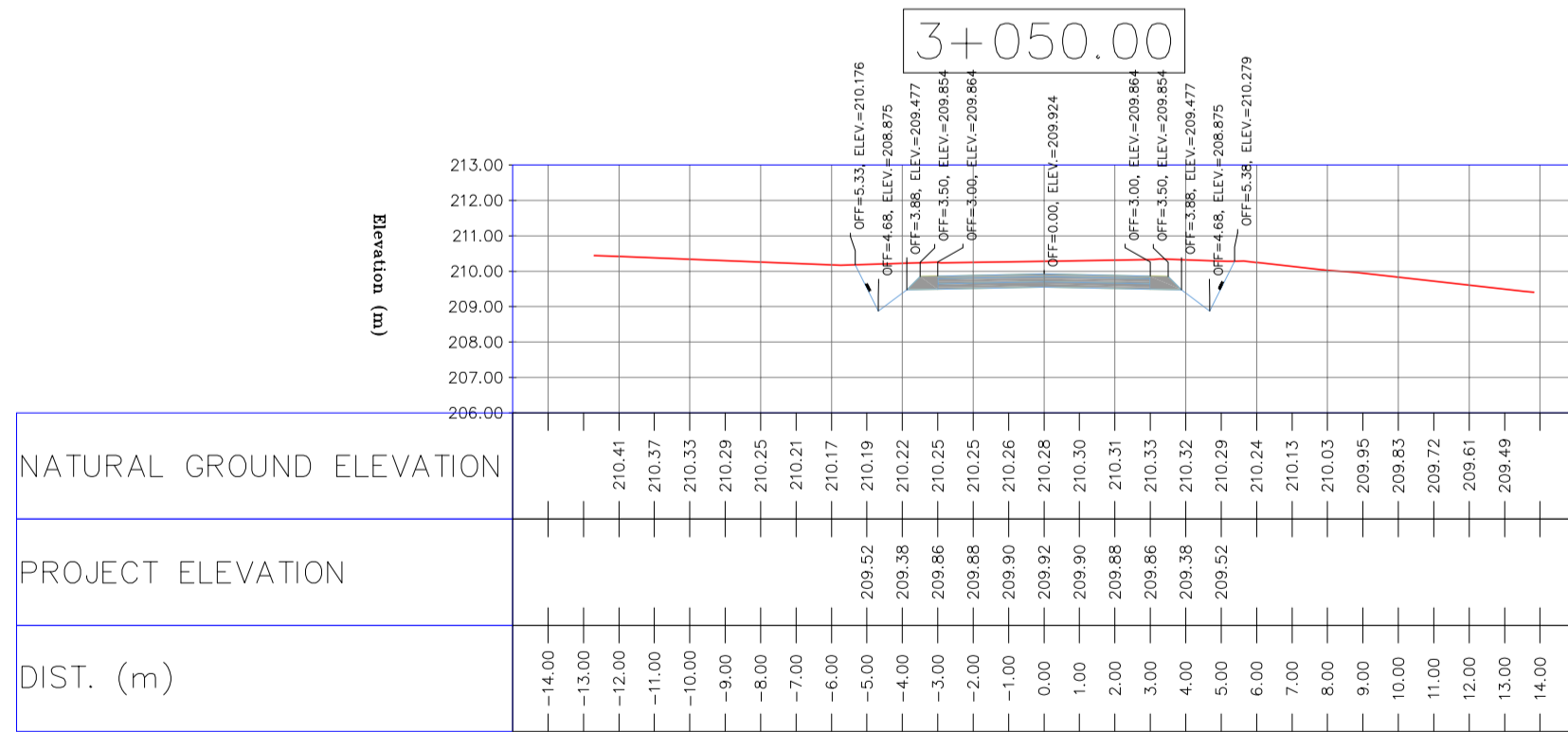
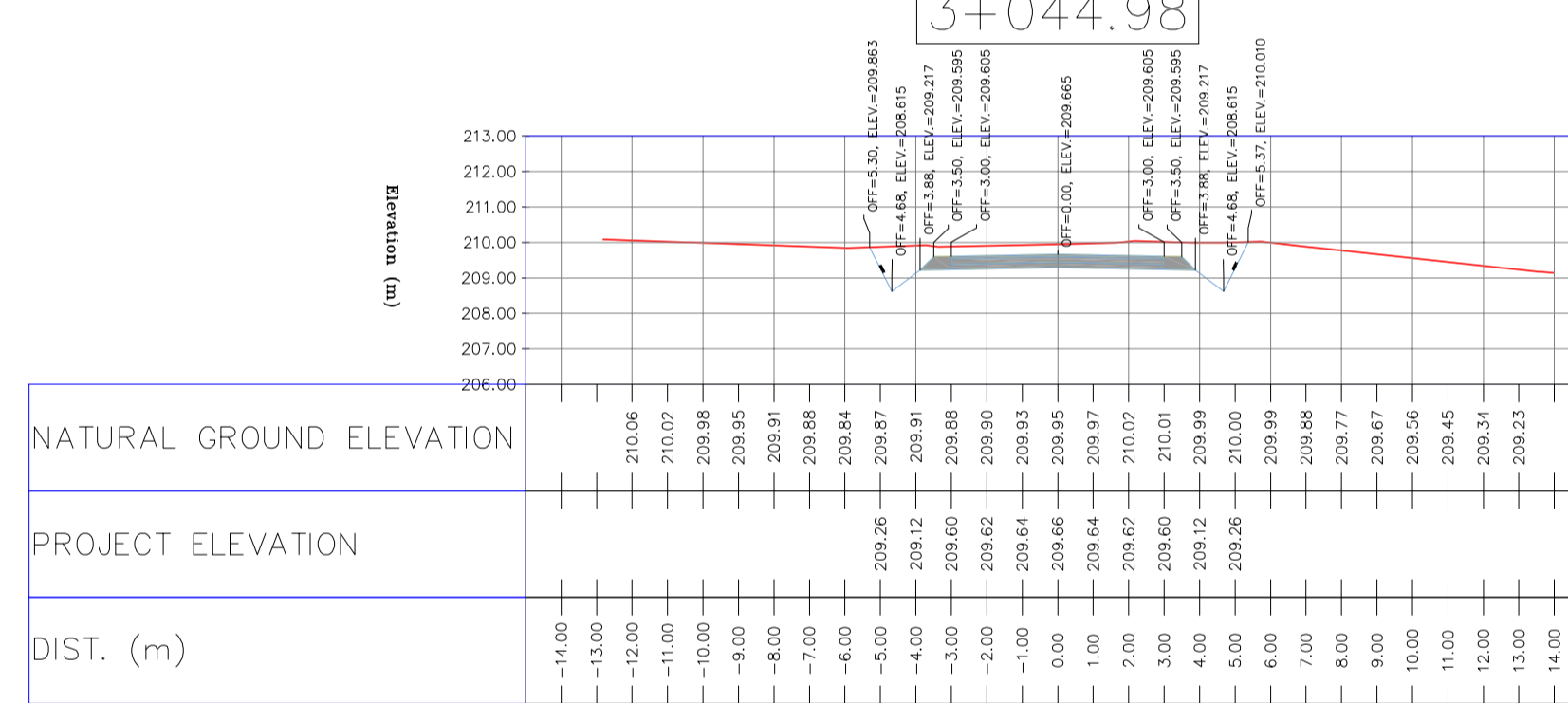
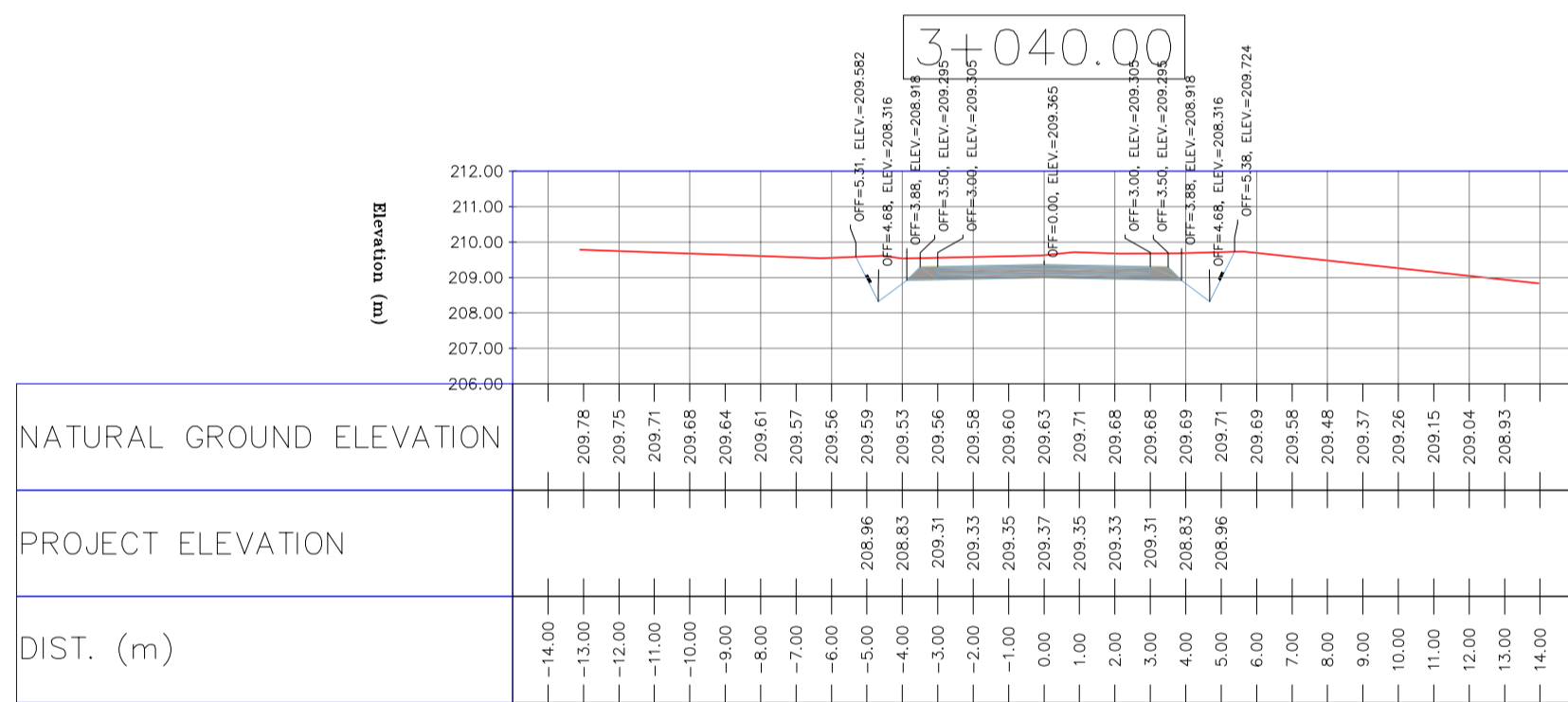
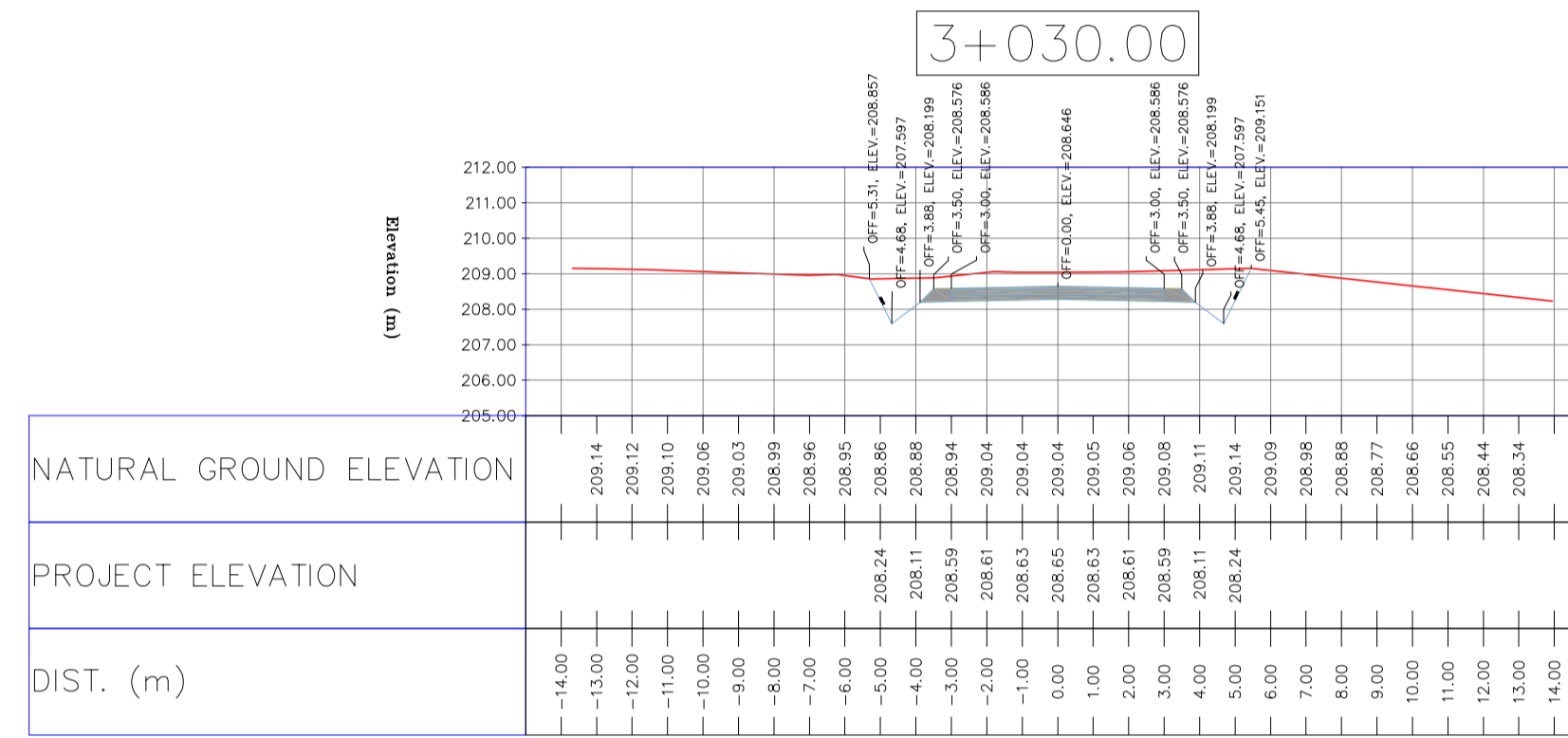
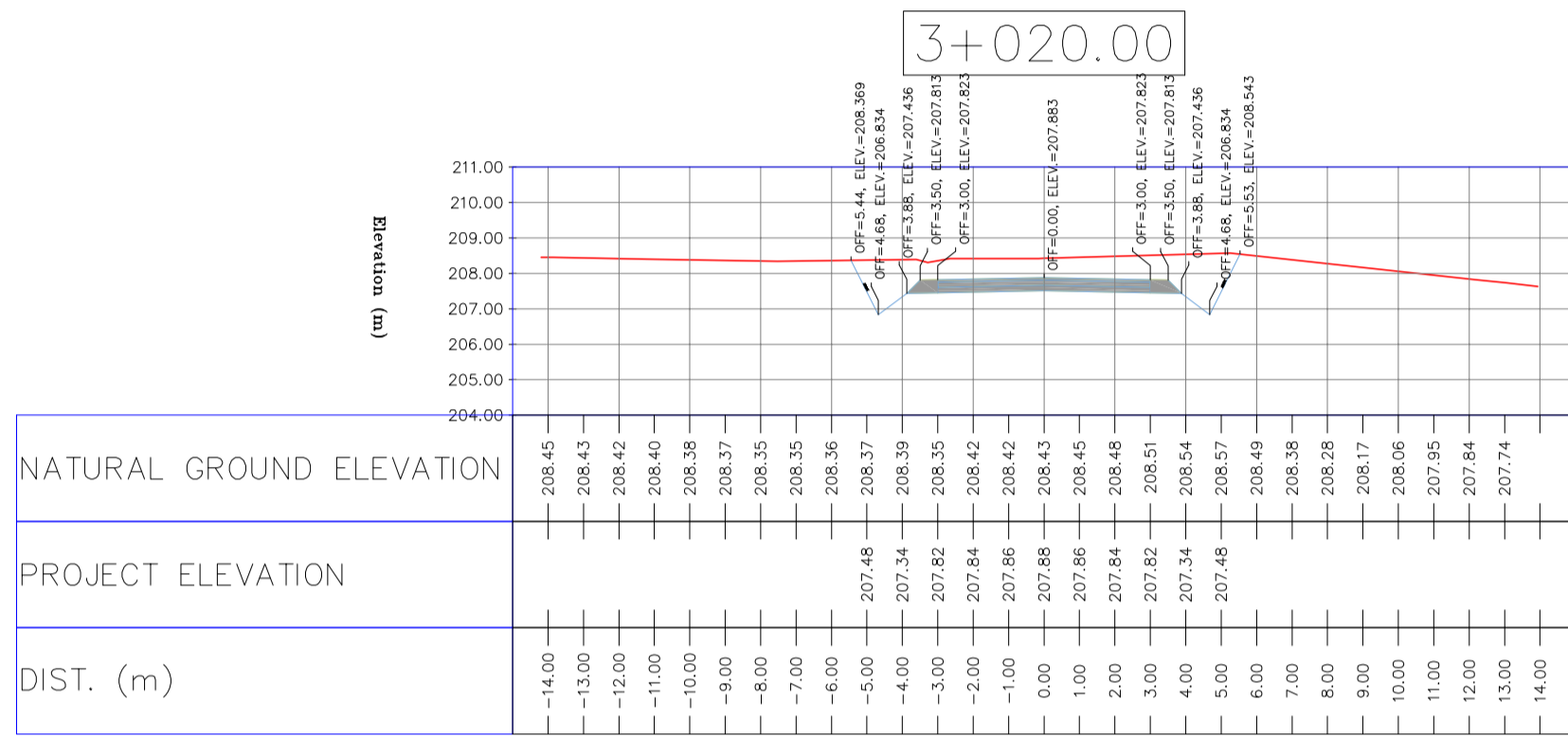
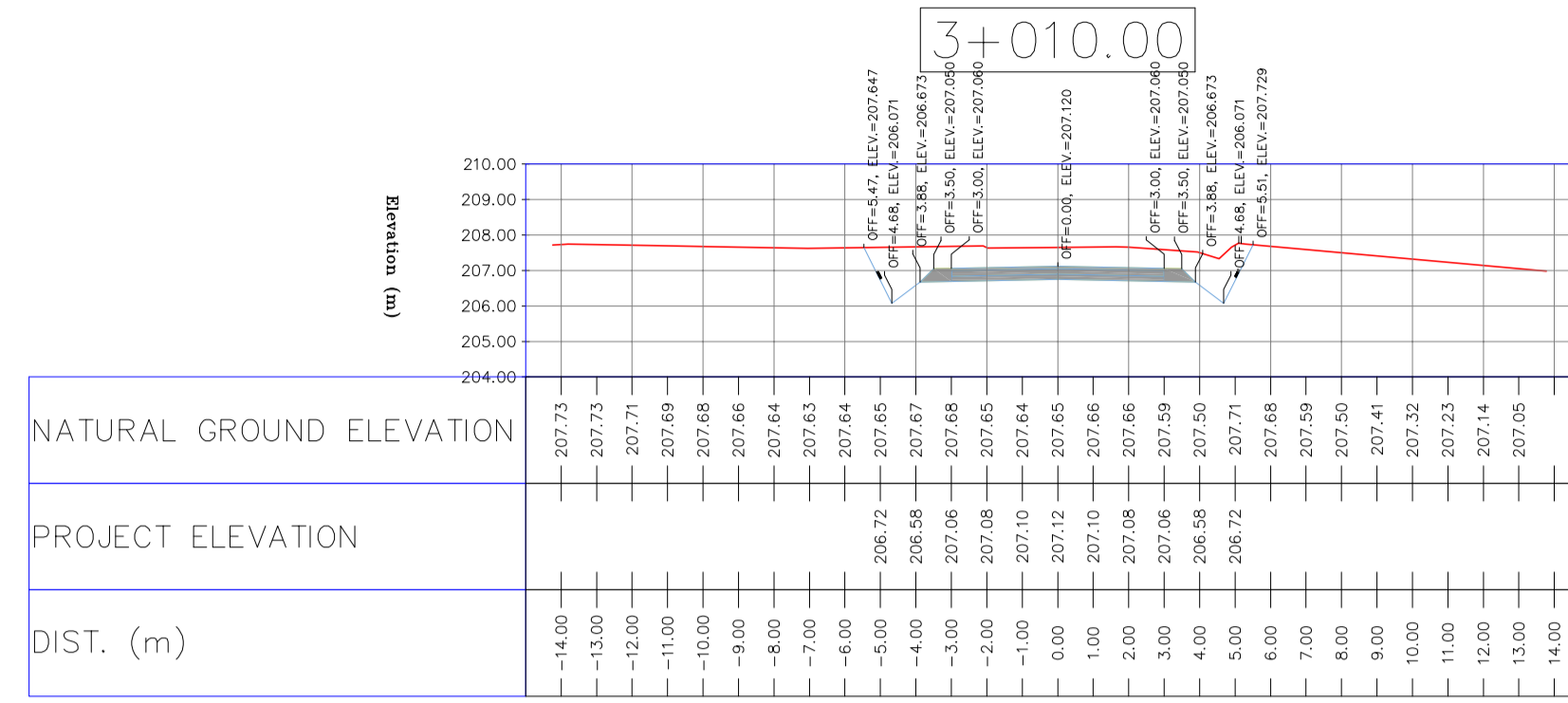
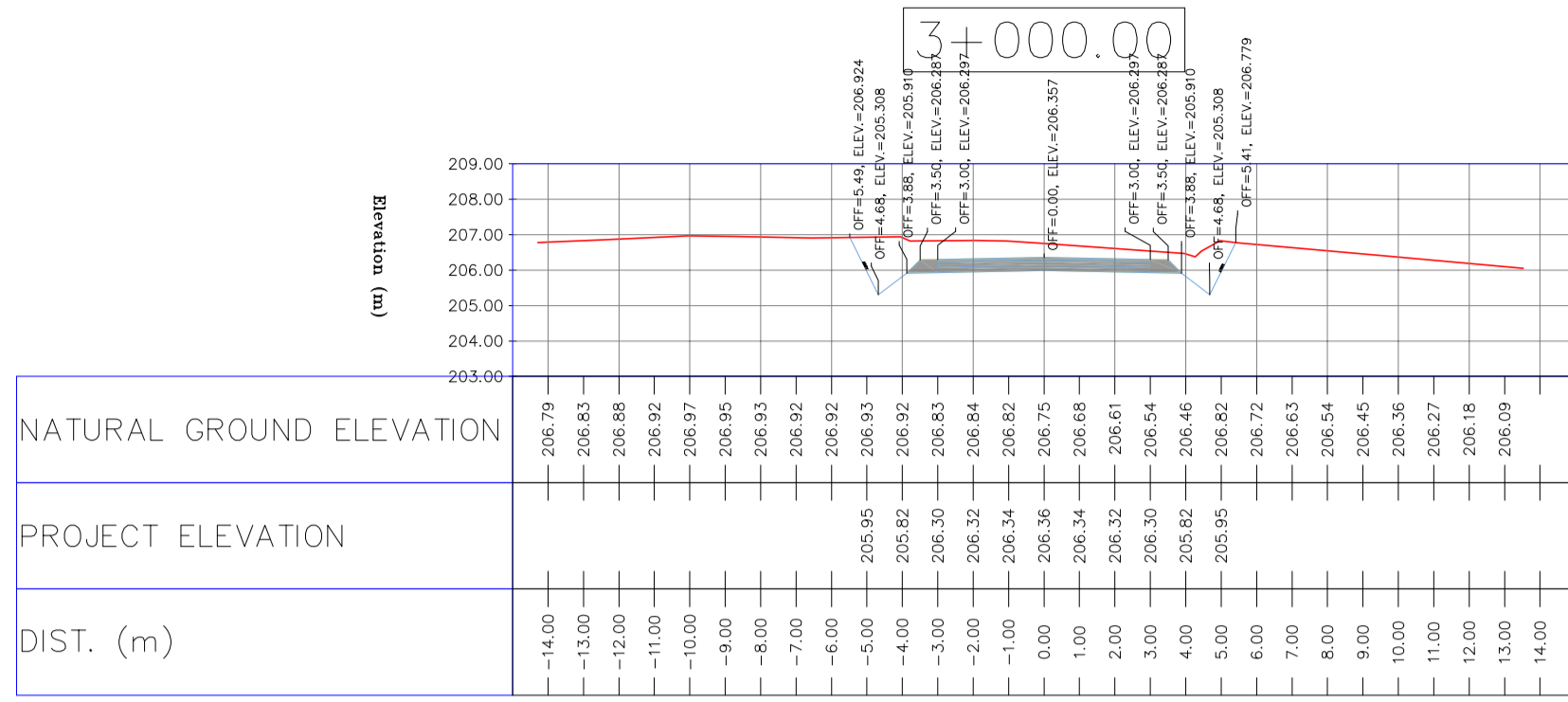


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LEGEND

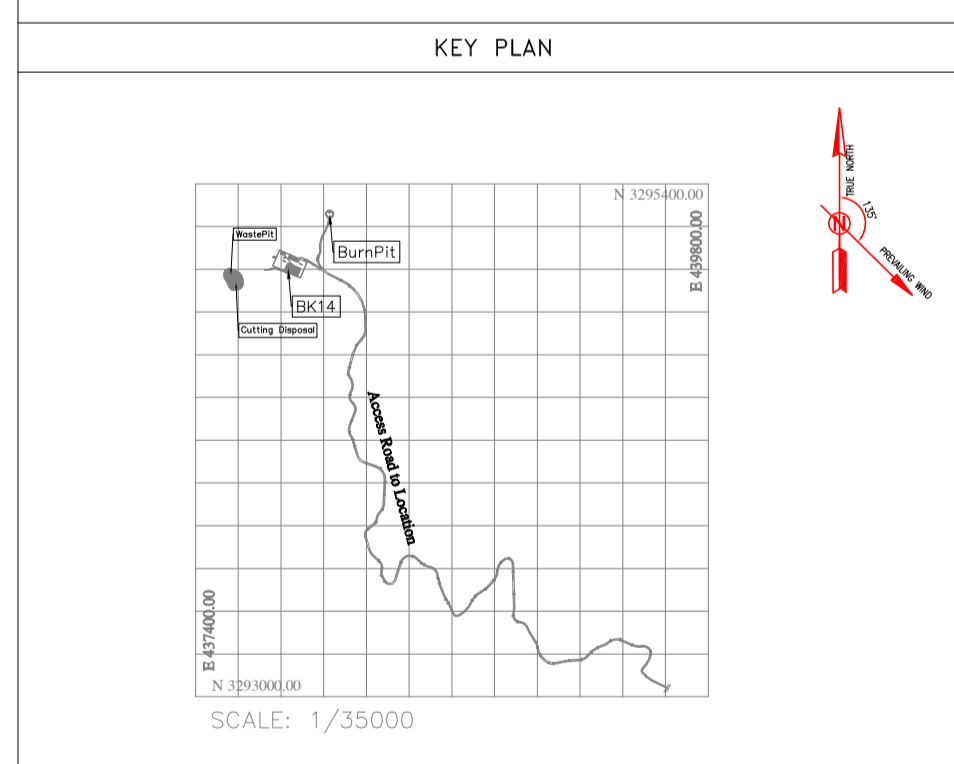
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	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

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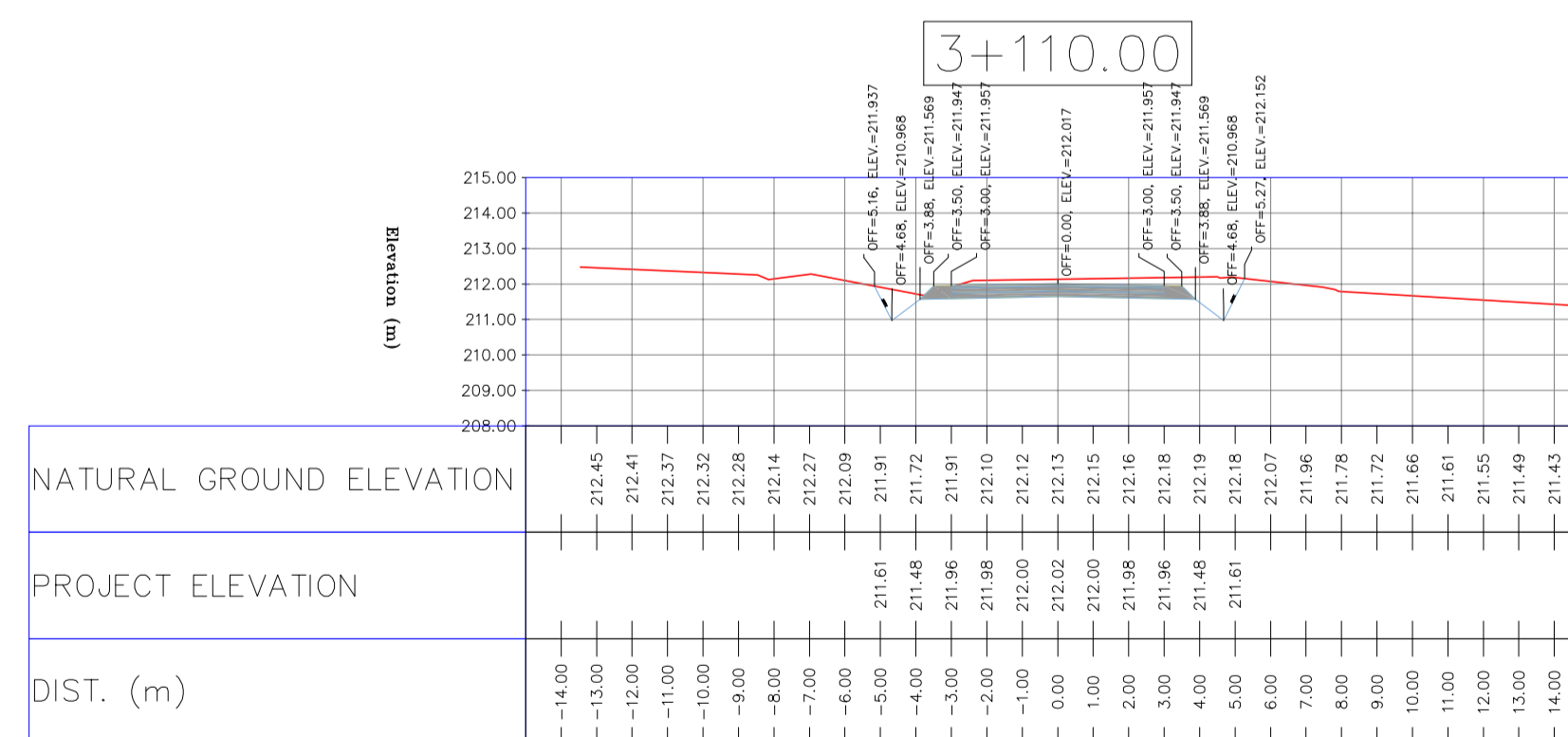
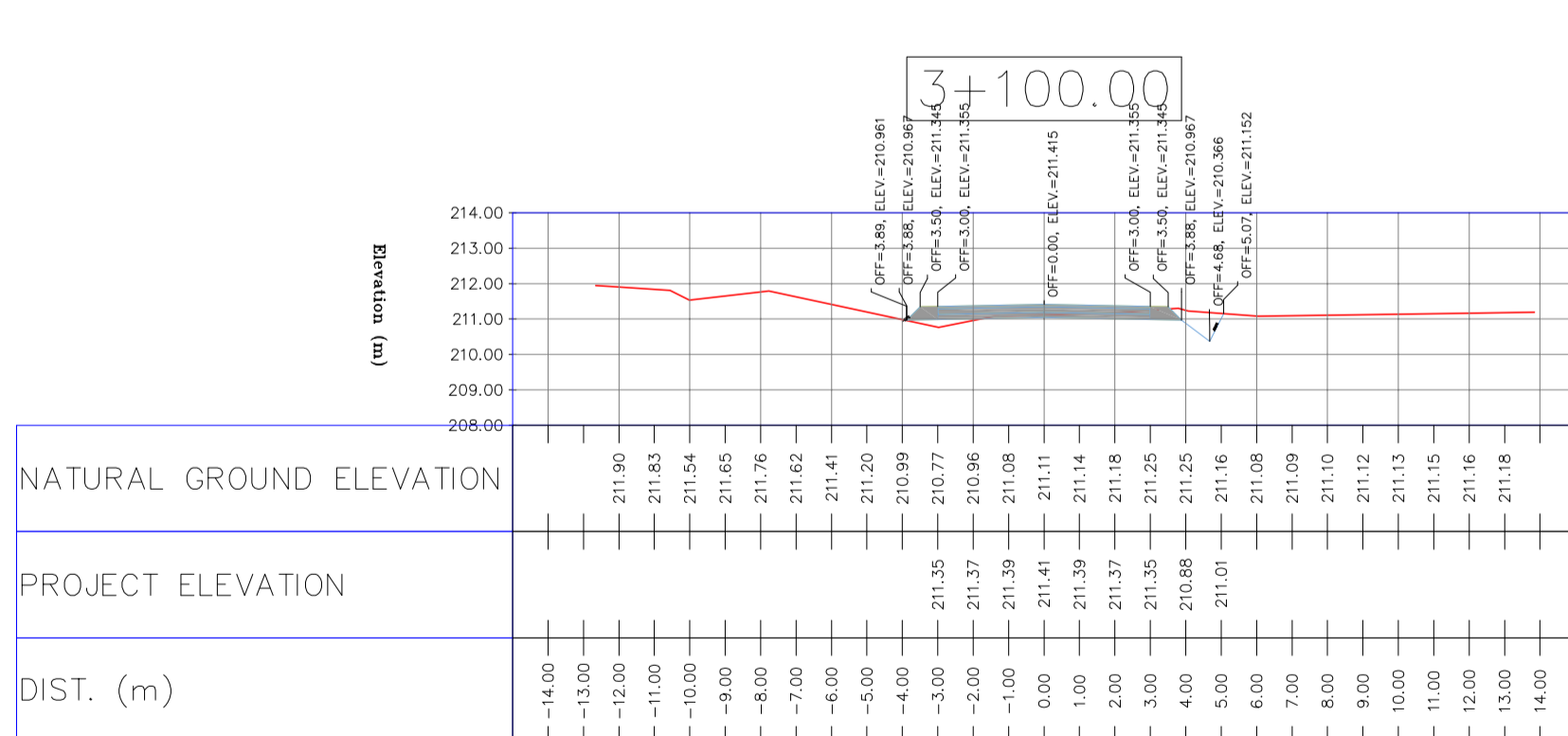
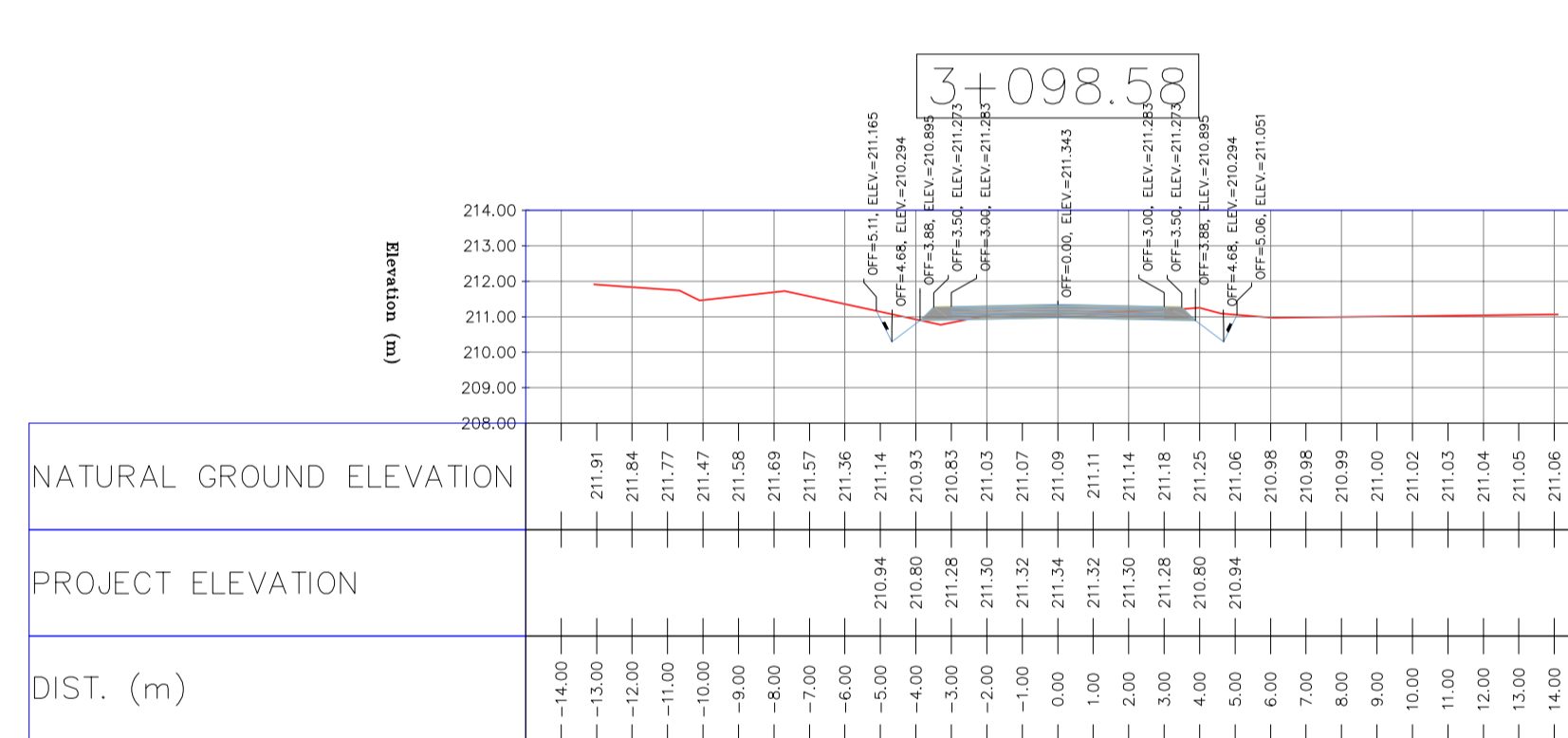
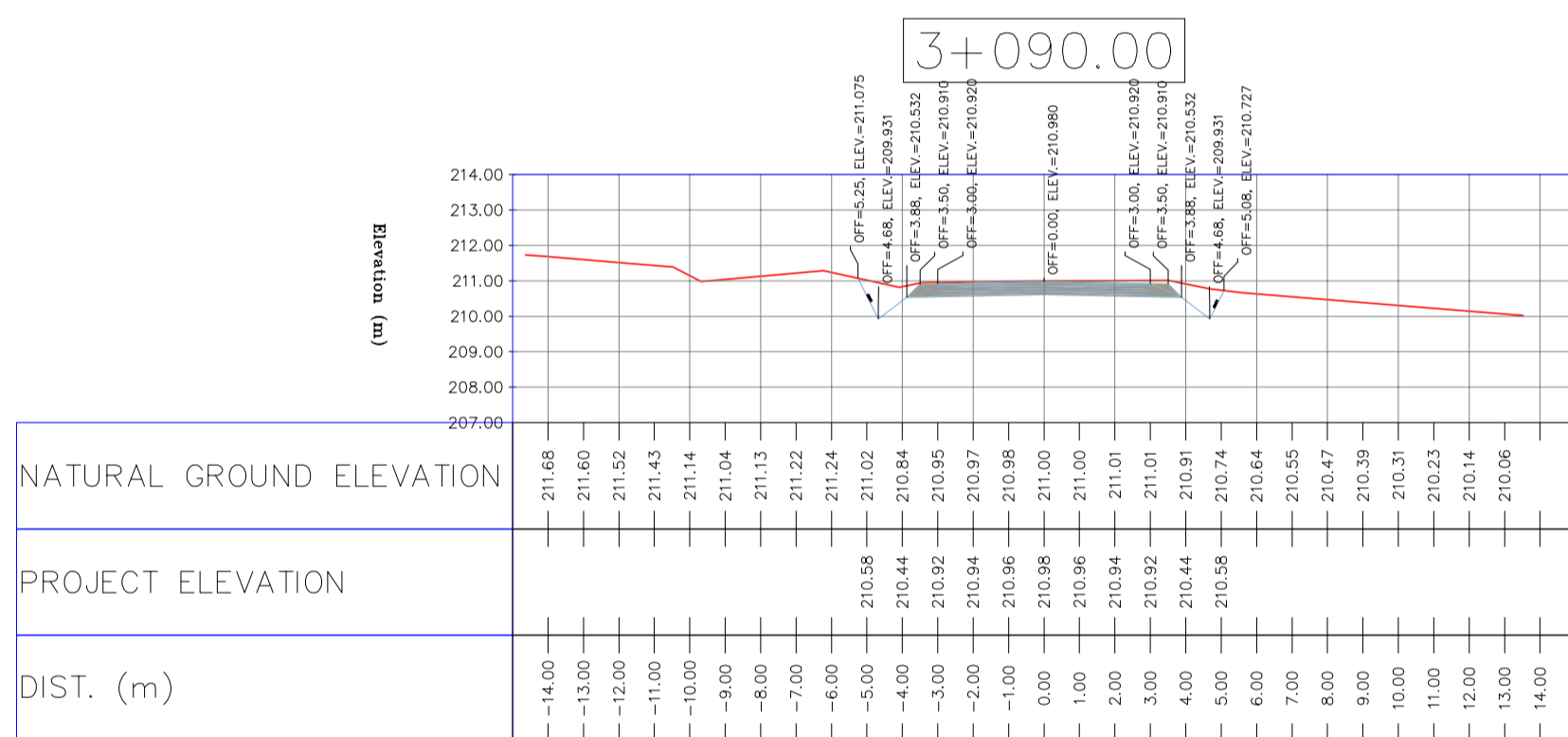
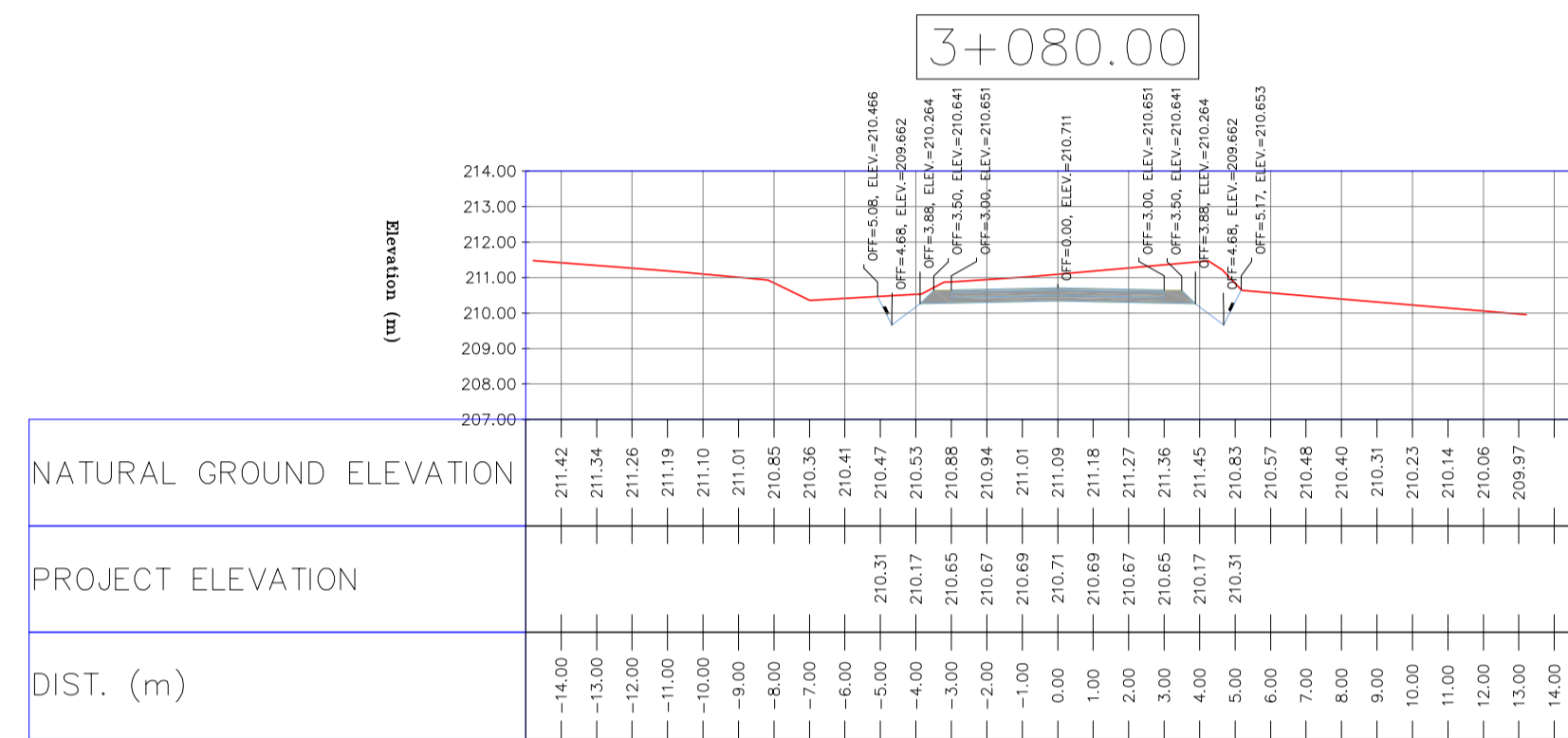
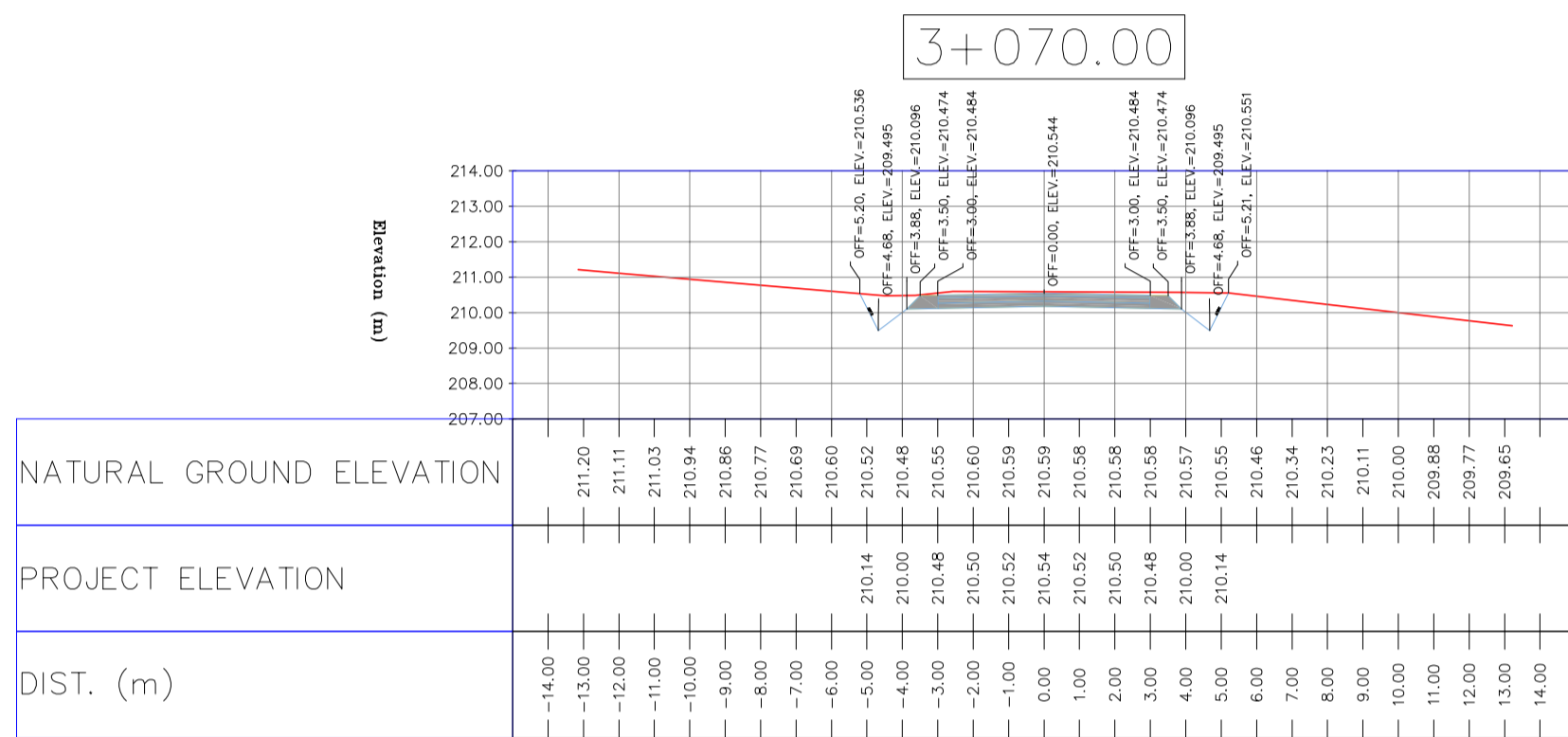
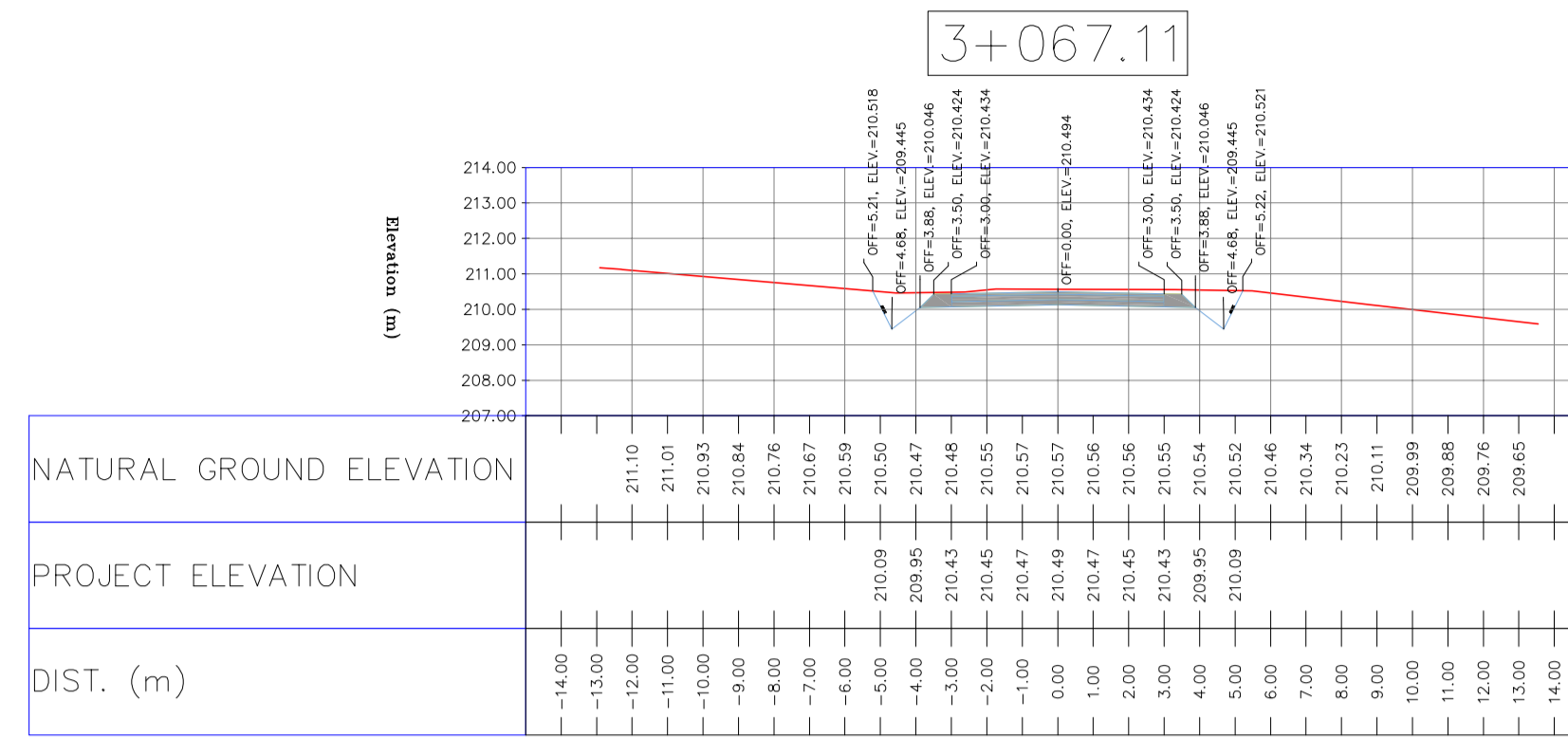
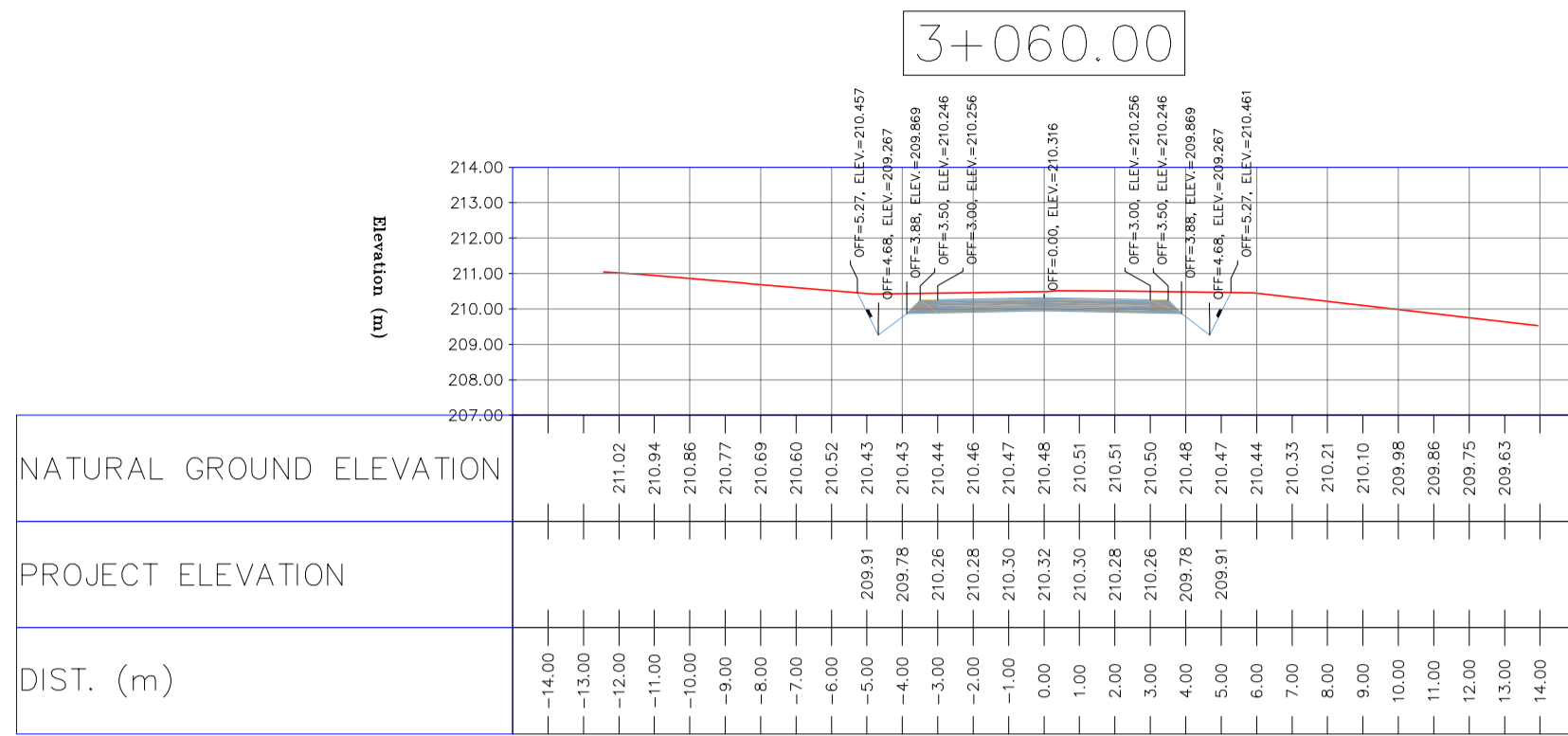
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H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	72 OF 99	D05	053-073-9184	F	4	S	708209	72	D05

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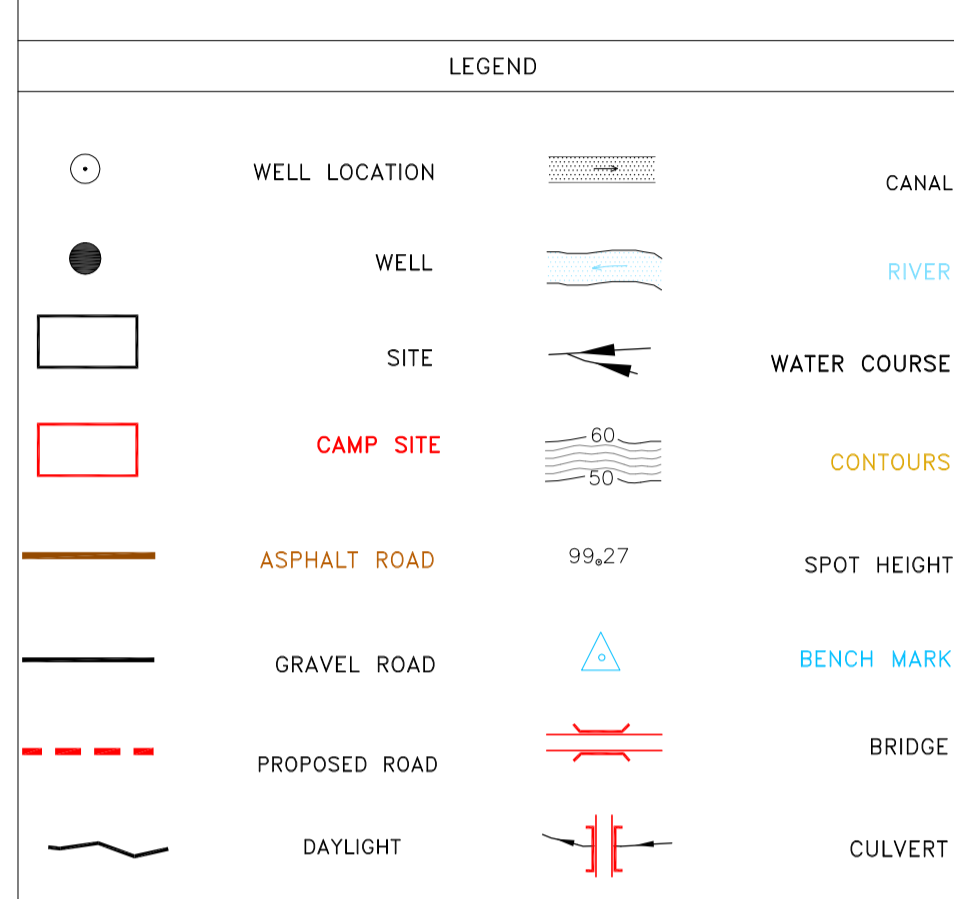
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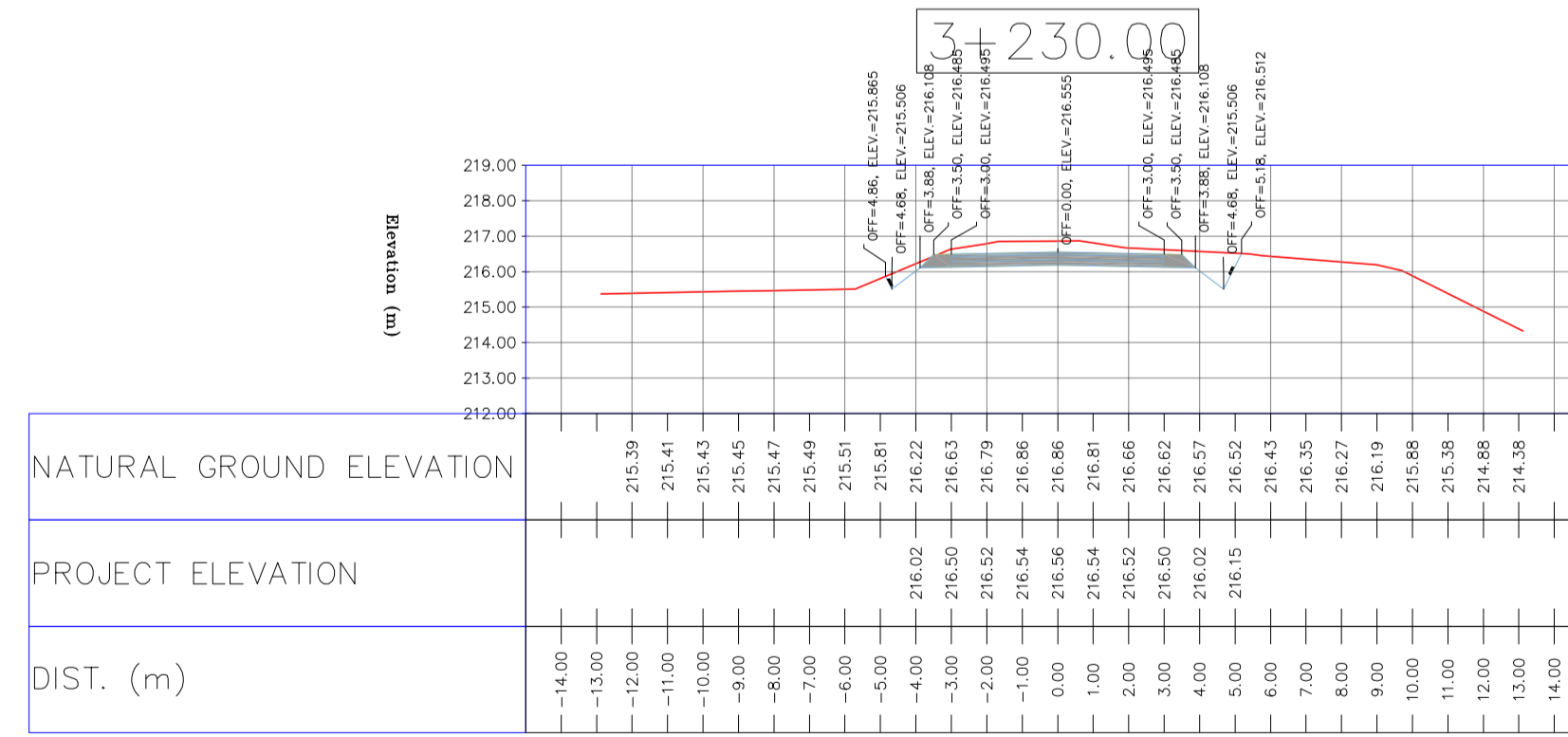
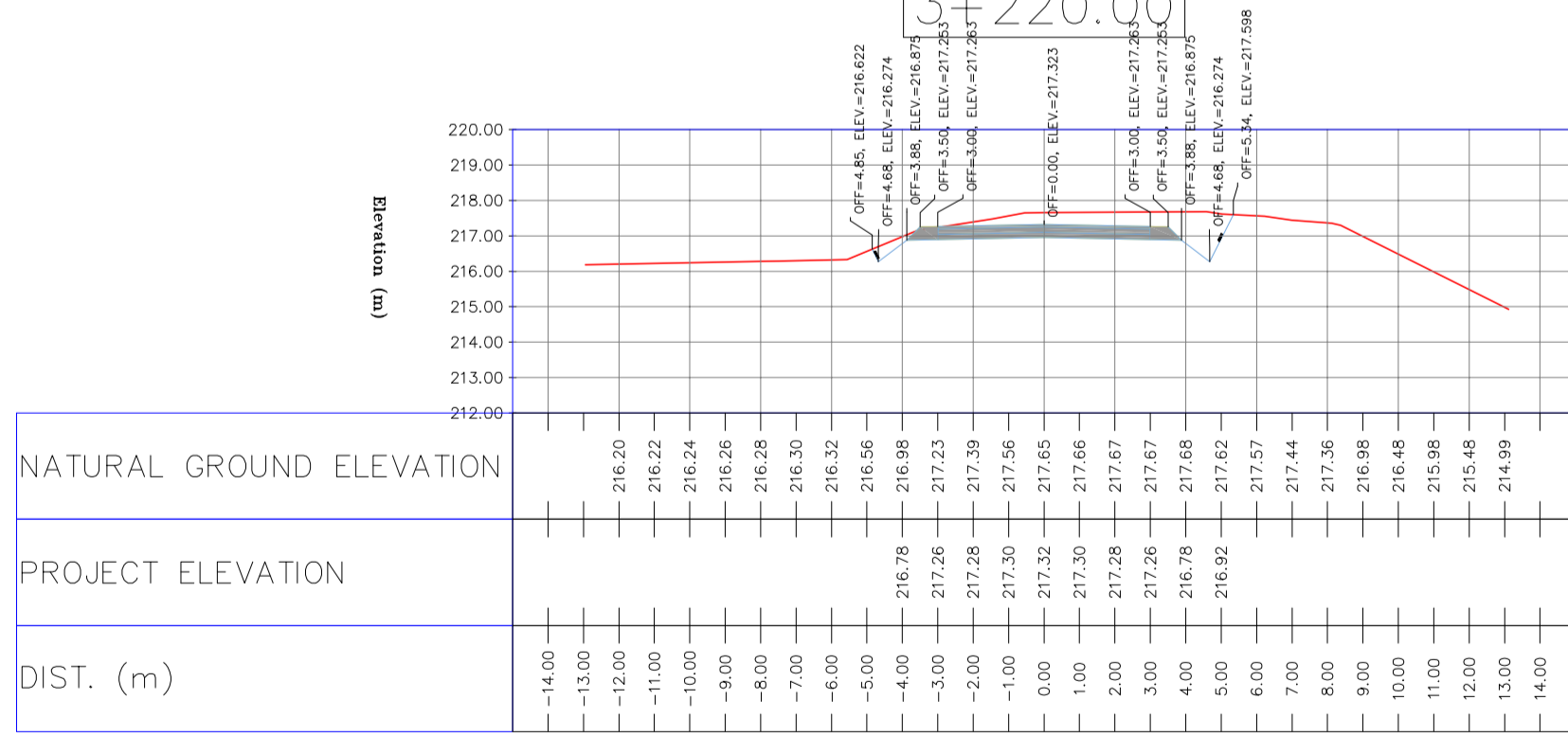
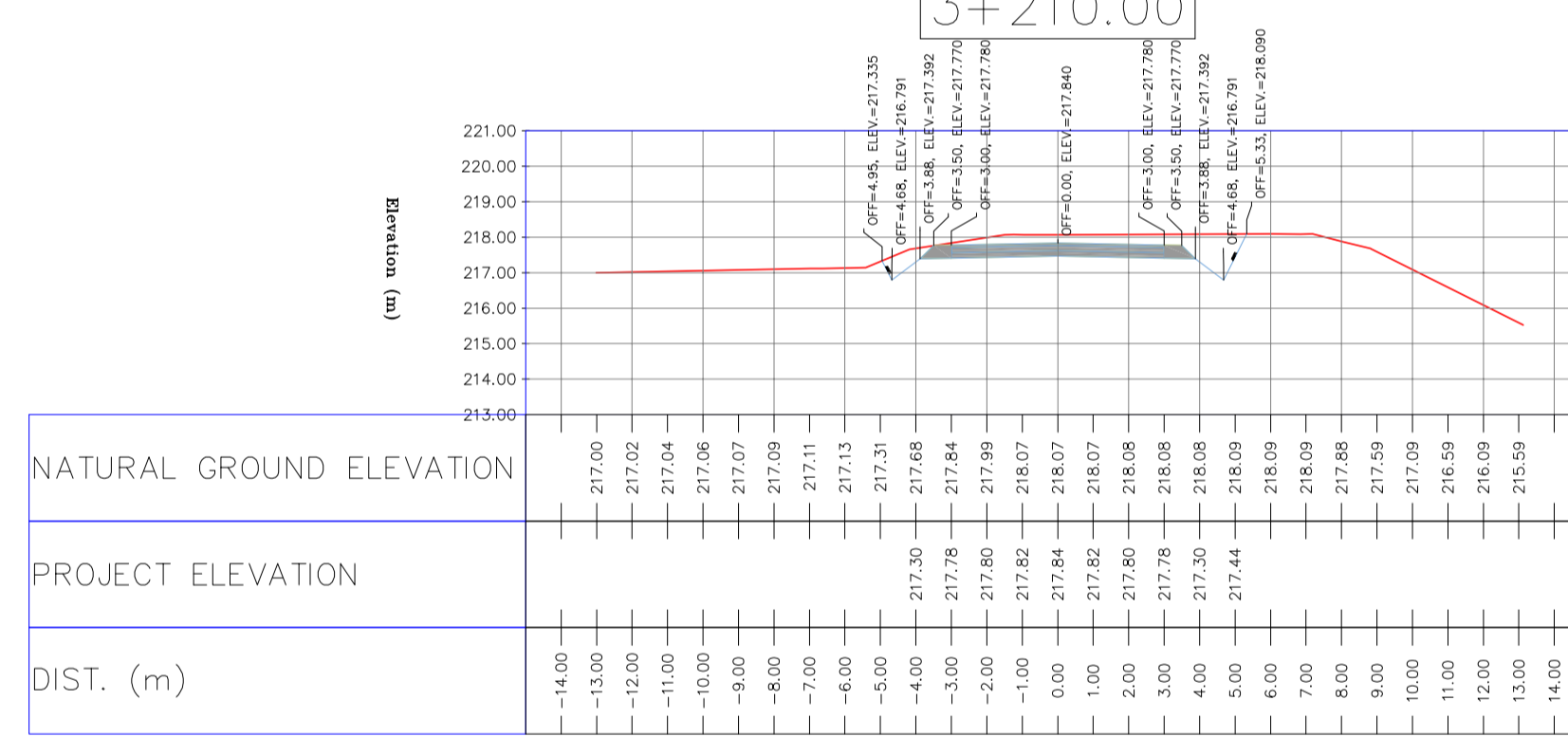
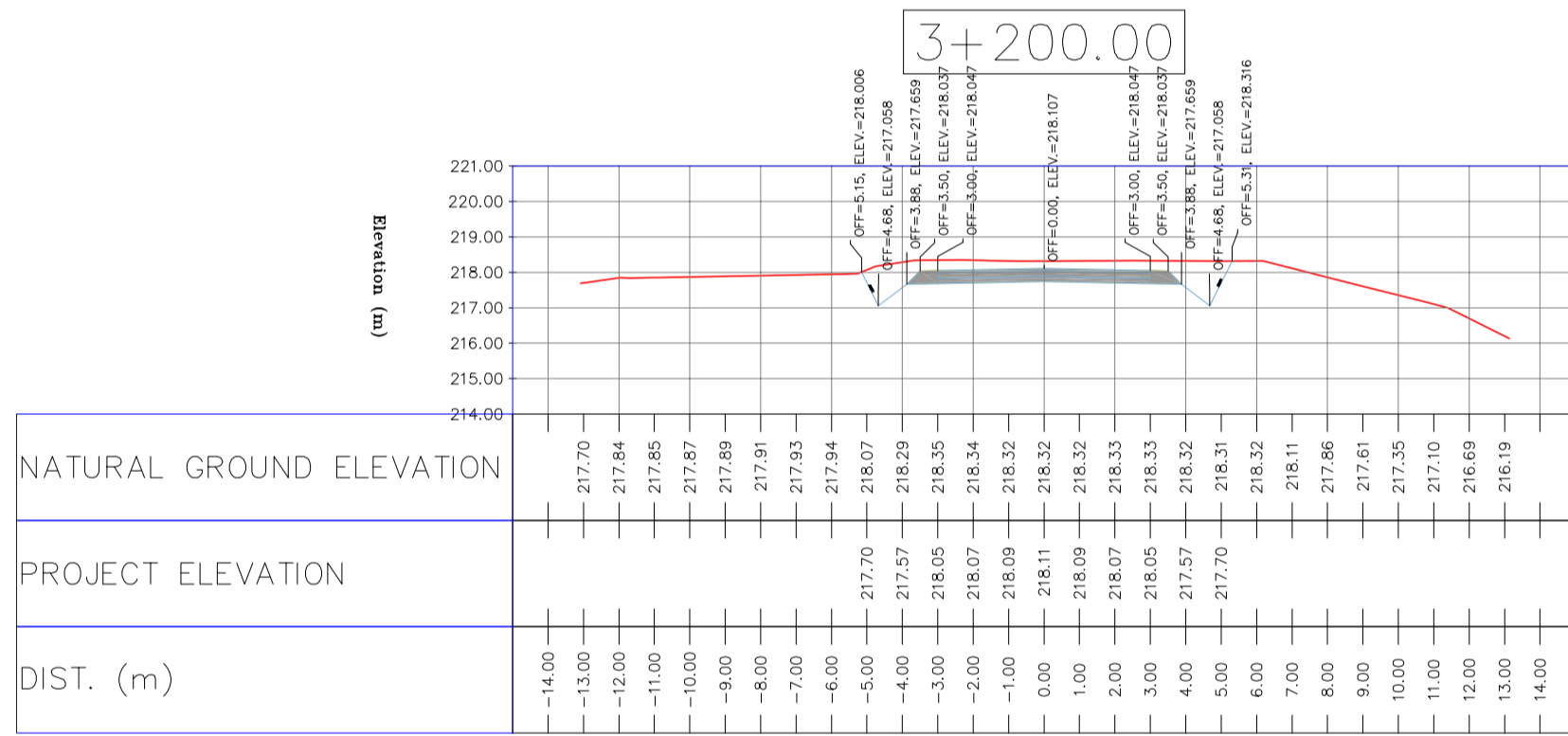
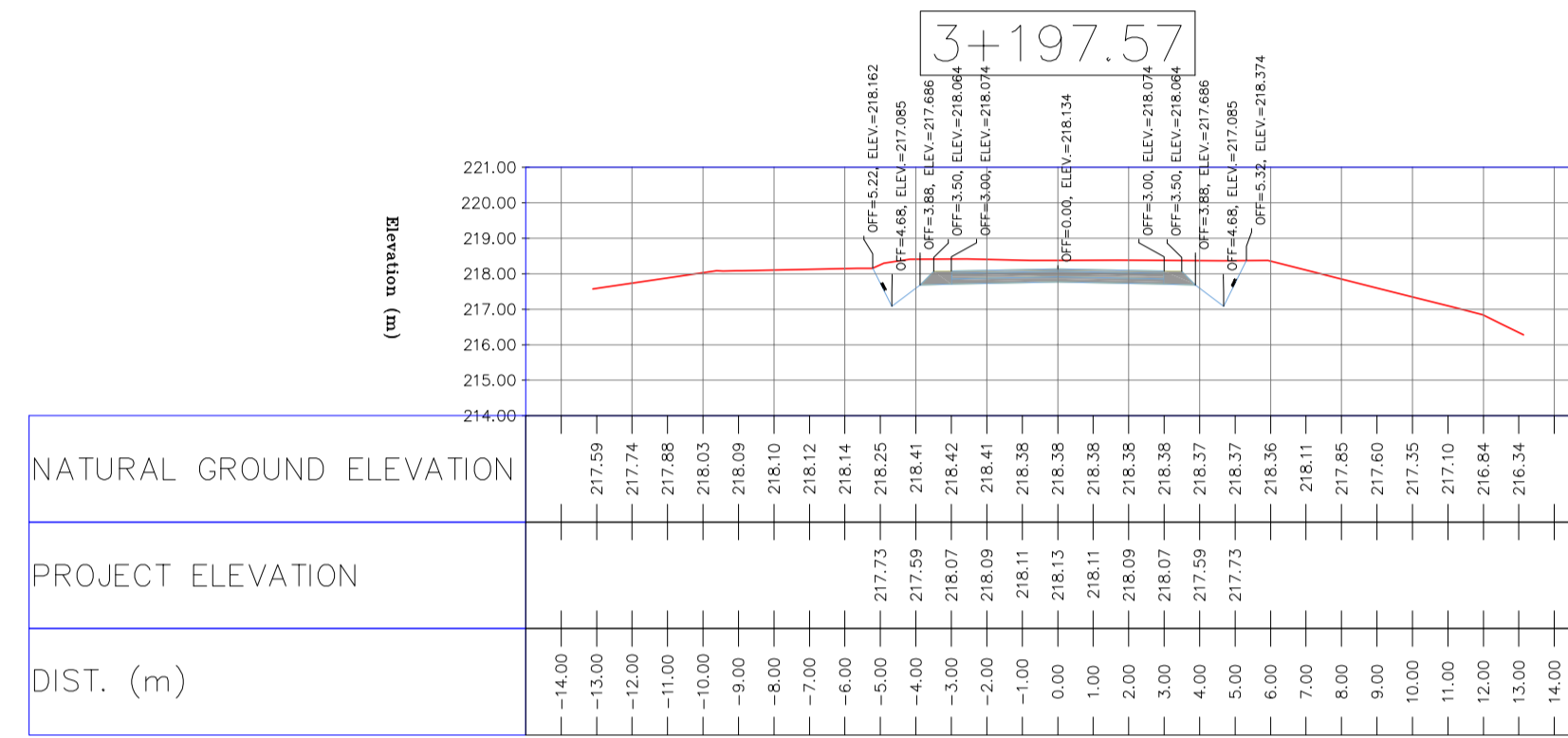
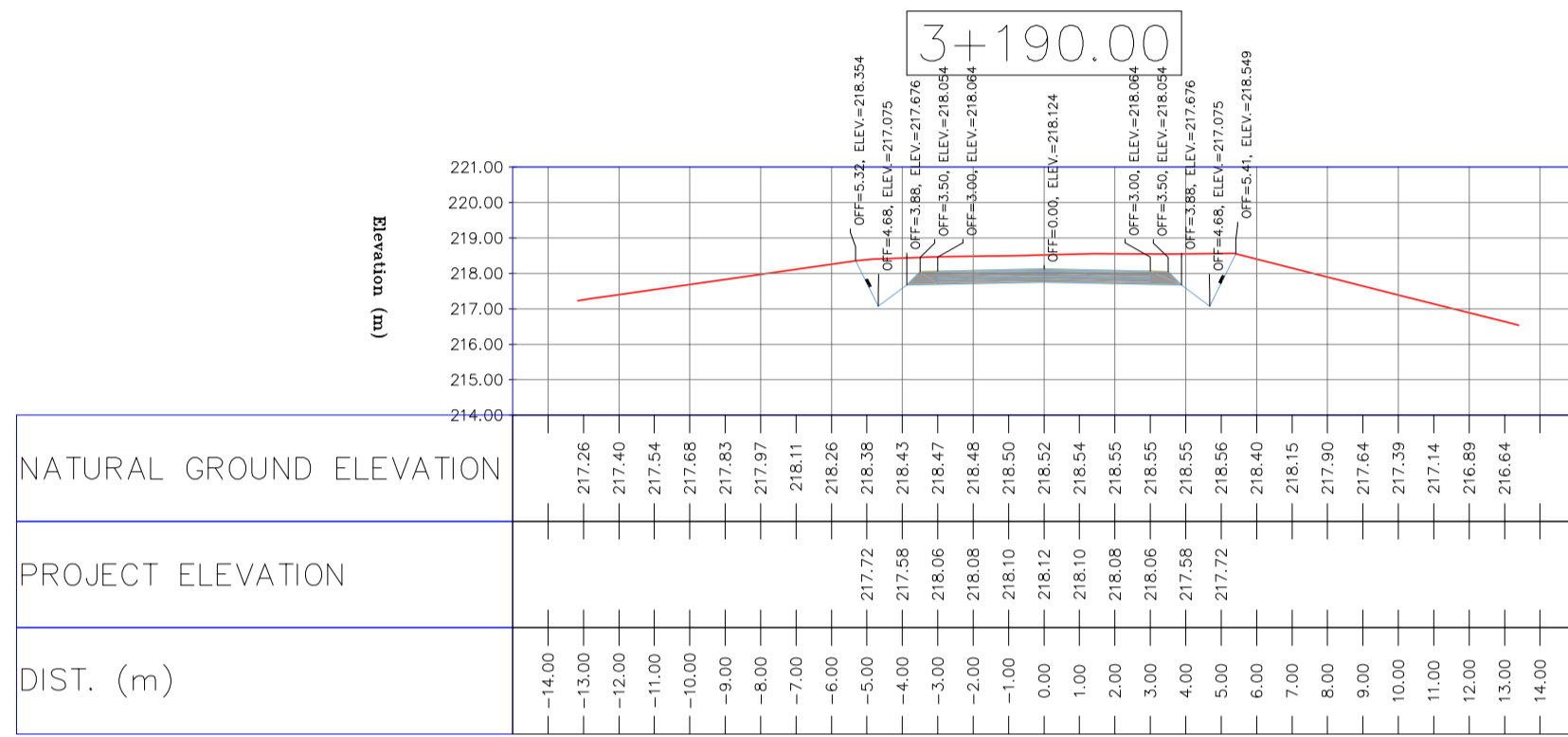
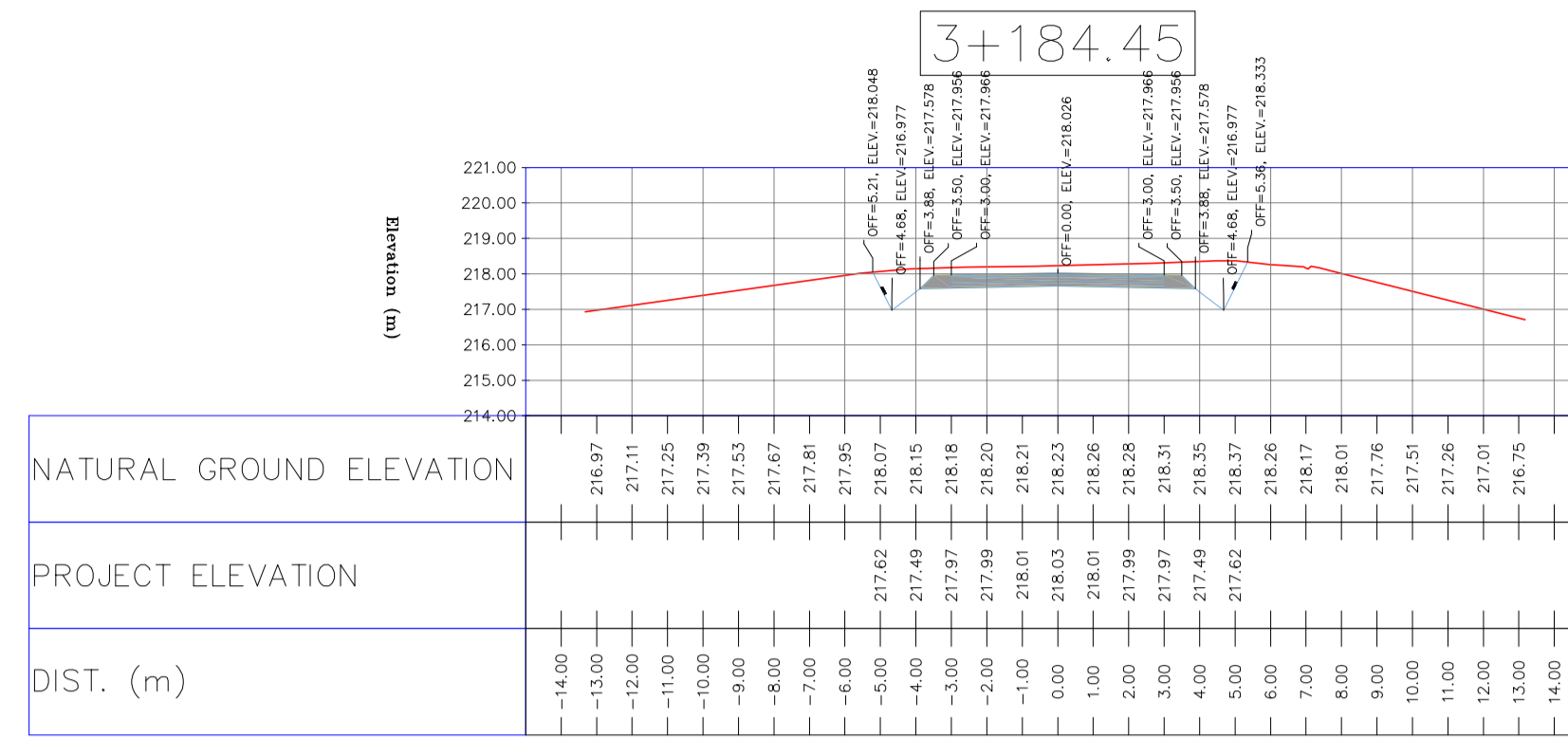
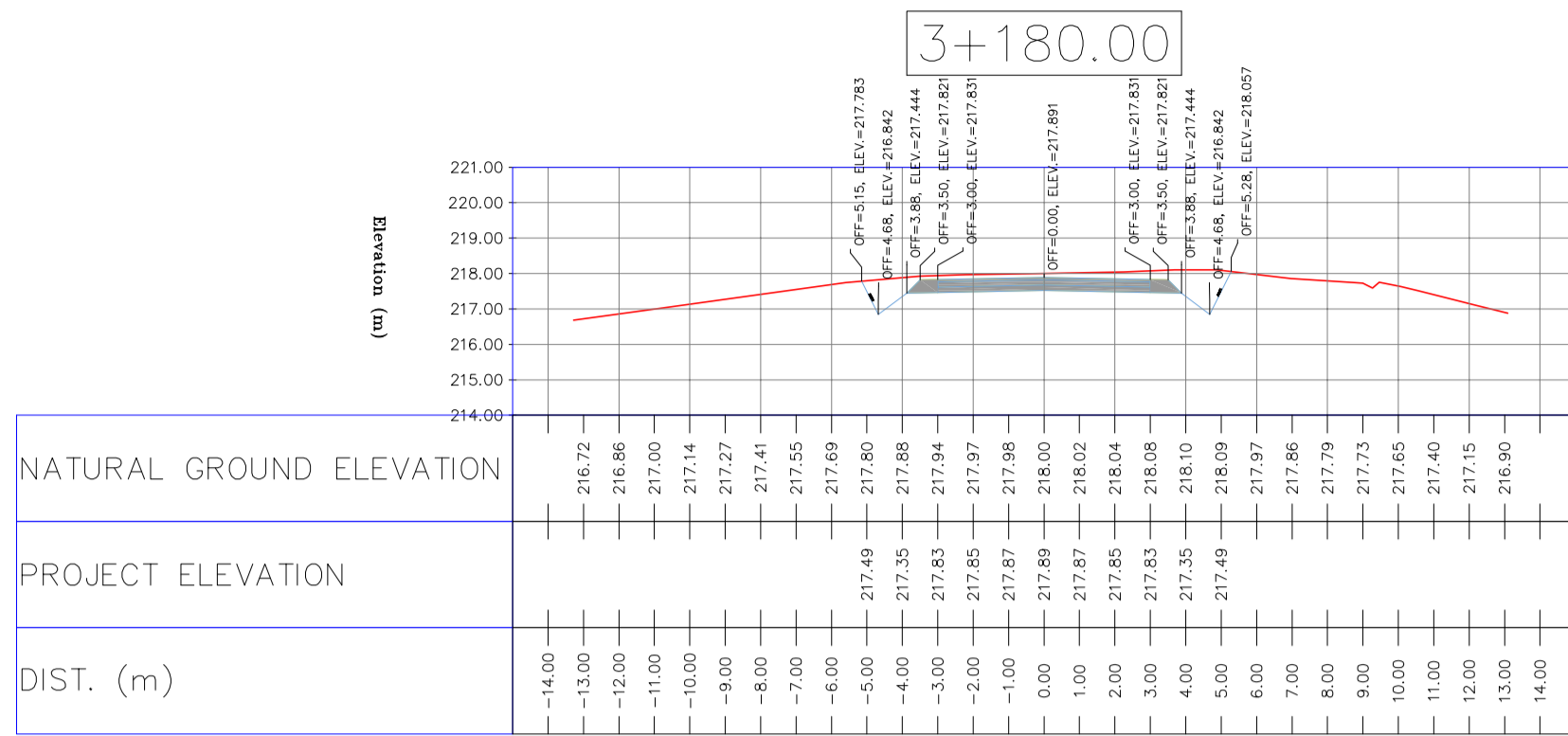


NOTES

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- GEODETTIC 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:
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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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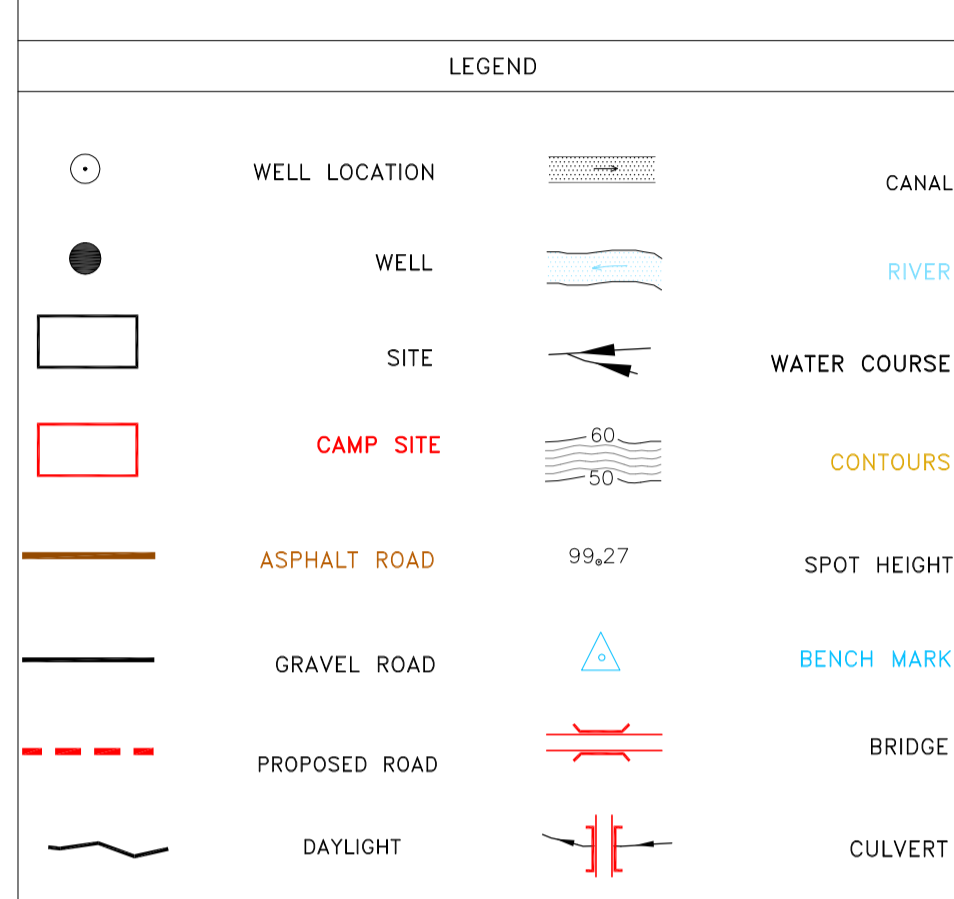


REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan - BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRAI-PEDCO-



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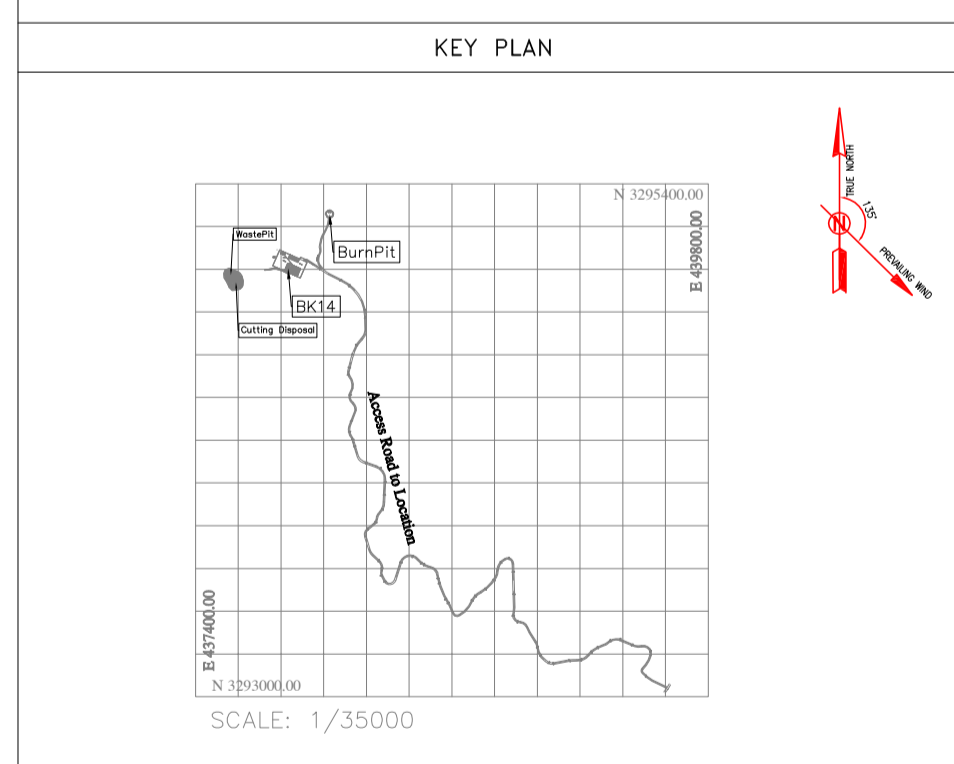
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Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GNRL-PEDCO-000-CV-SP-0002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

ABBREVIATION

PT= POINT
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 LVC= LENGTH OF VERTICAL CURVE
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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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 ACCESS ROAD TRANSVERSAL SECTIONS

SCALE: H=1:200, V=1:200

SIZE: A1

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

SHEET NO.: 75 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

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CLASS: S

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SHEET: 75

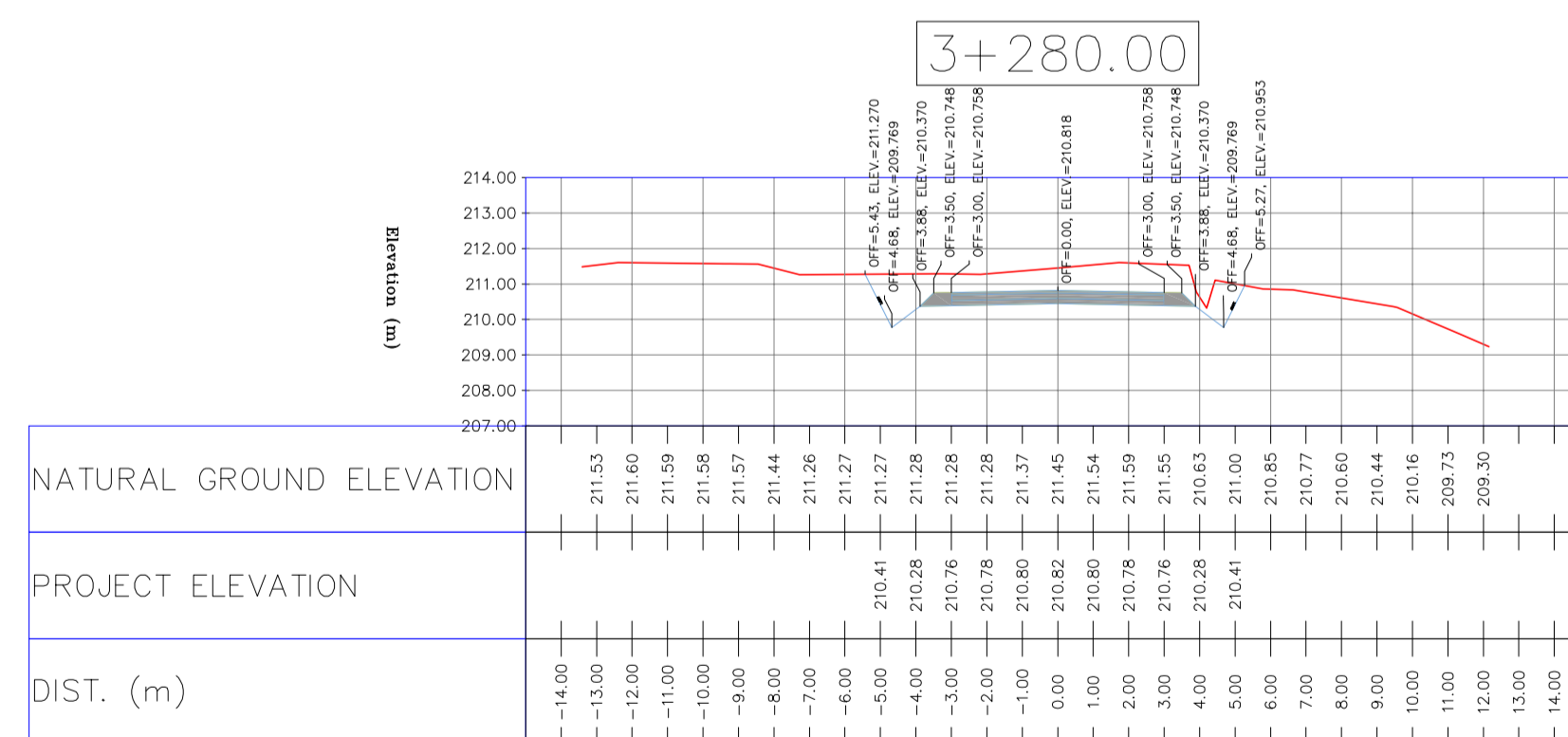
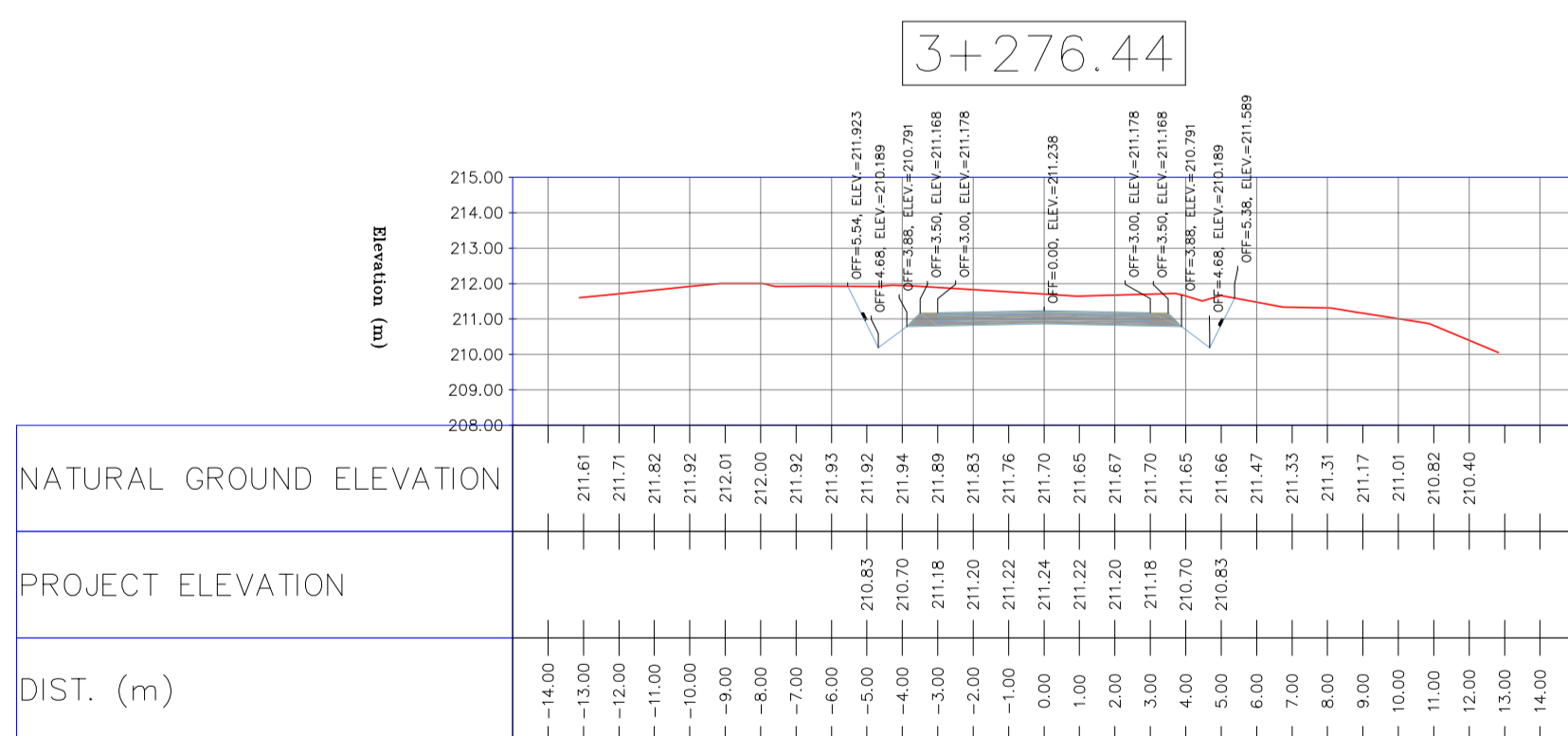
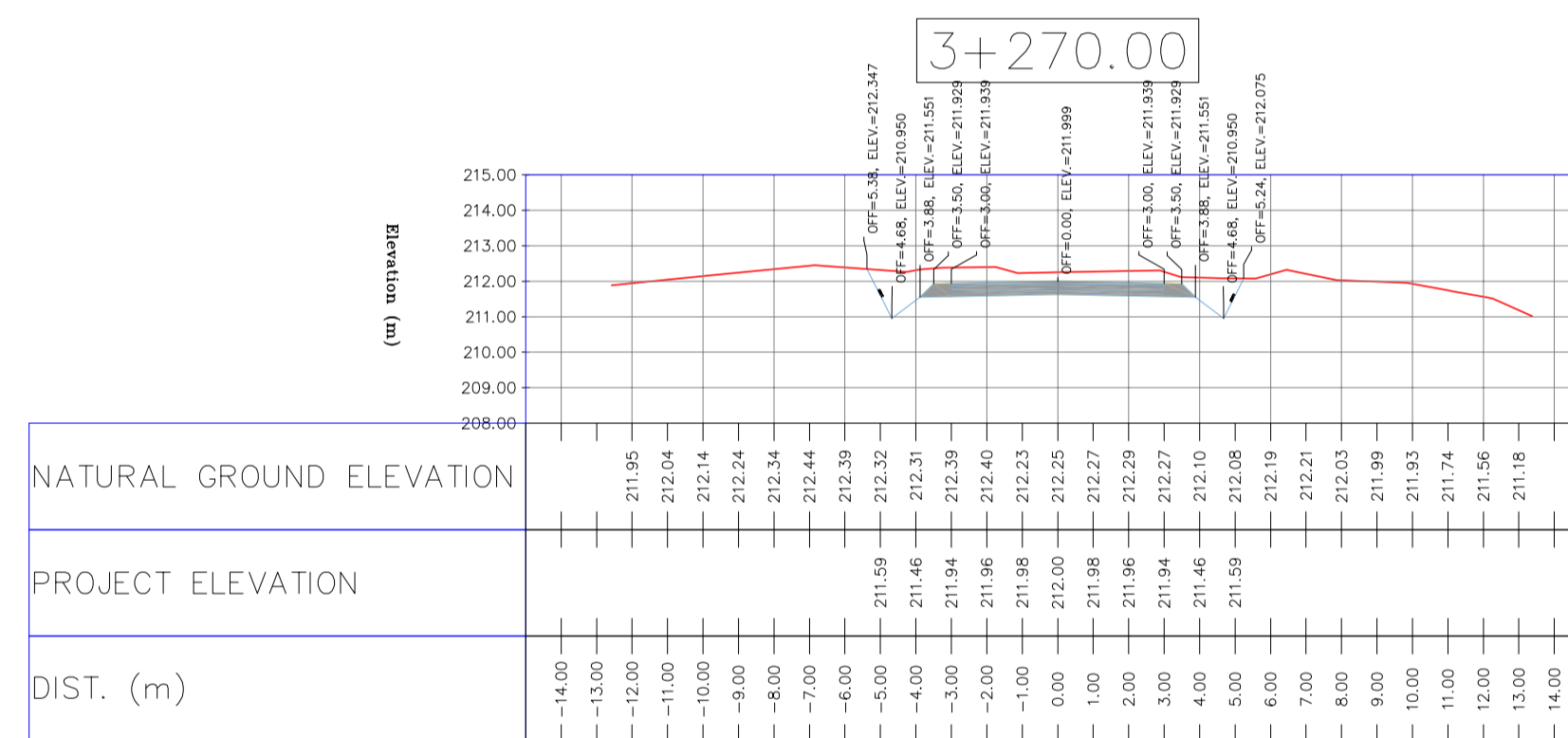
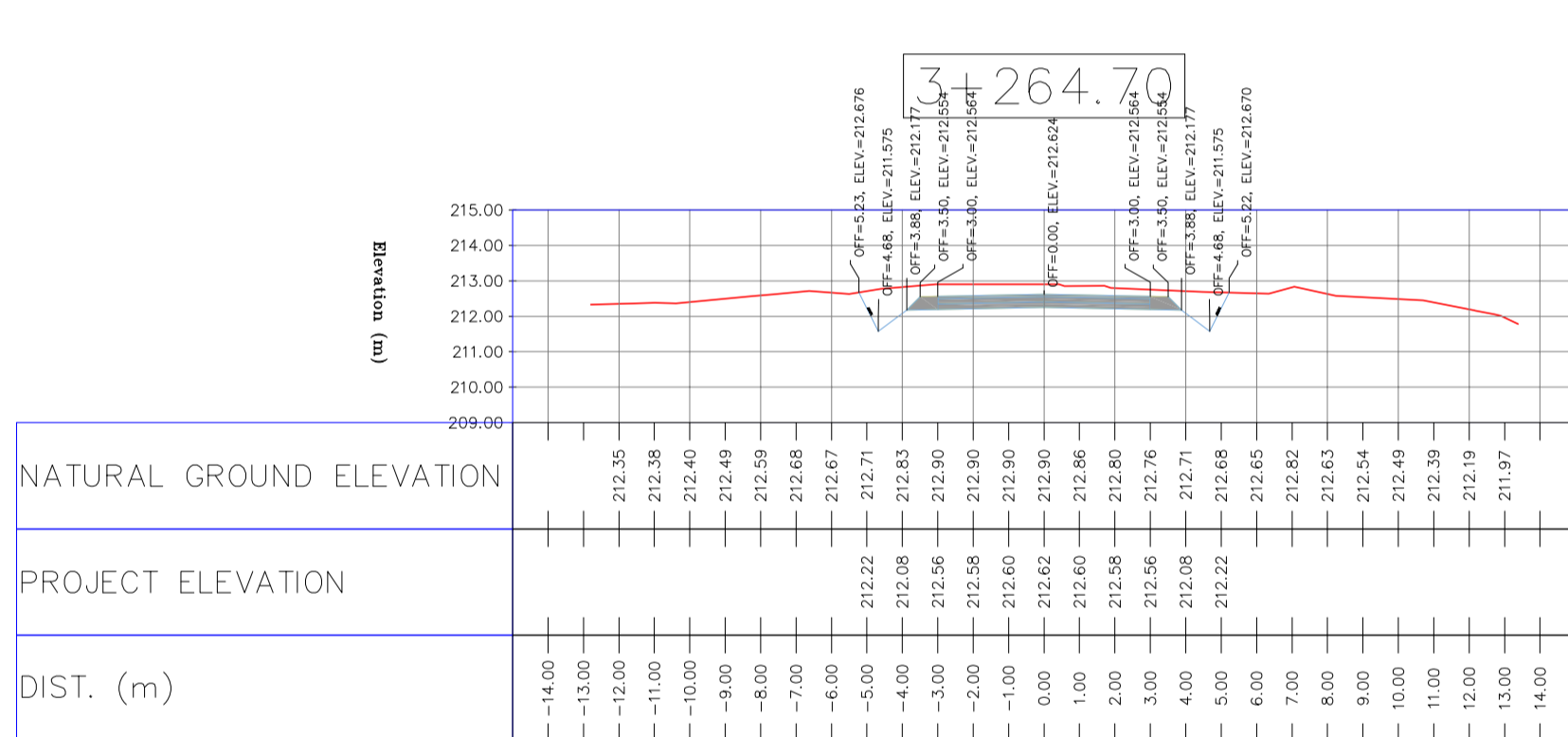
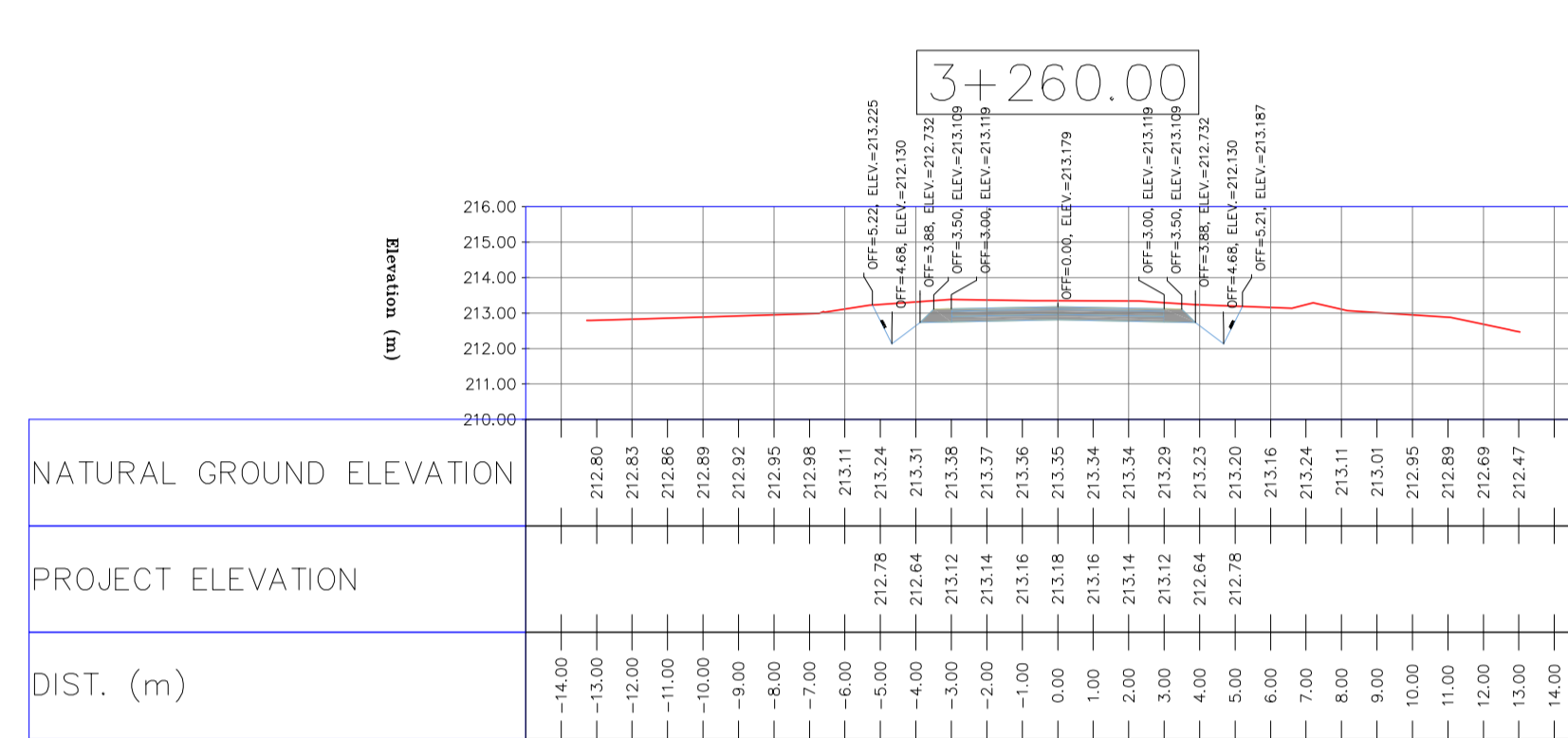
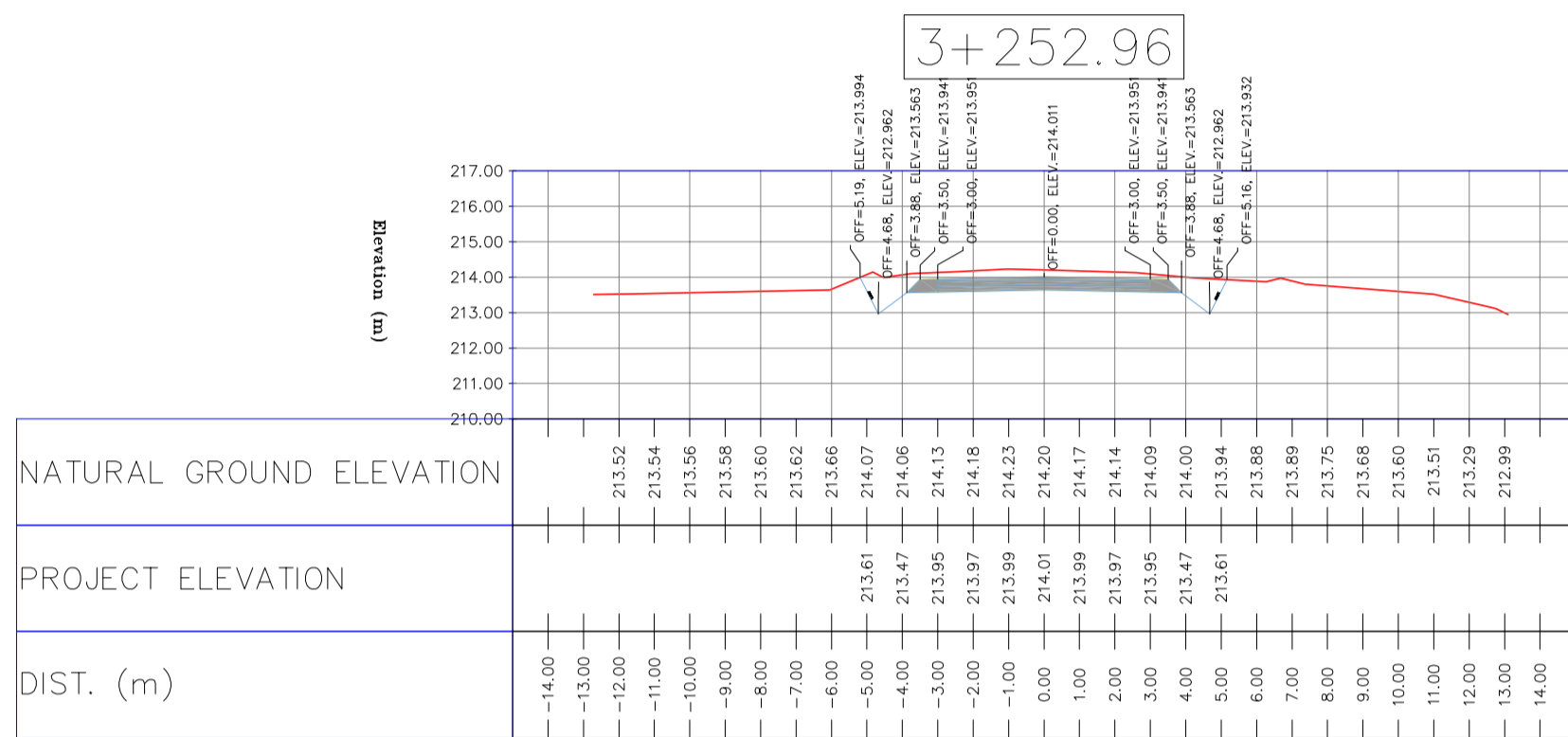
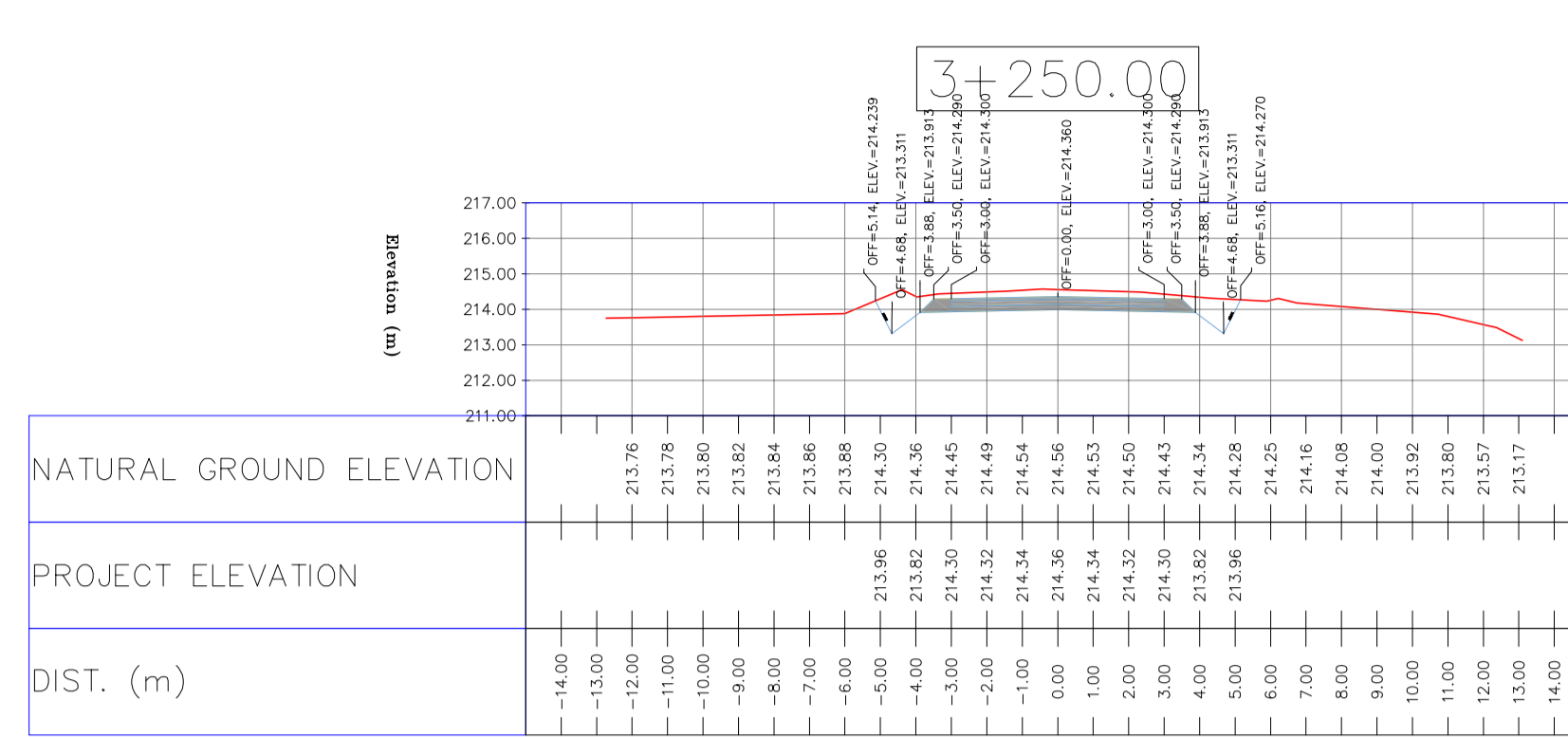
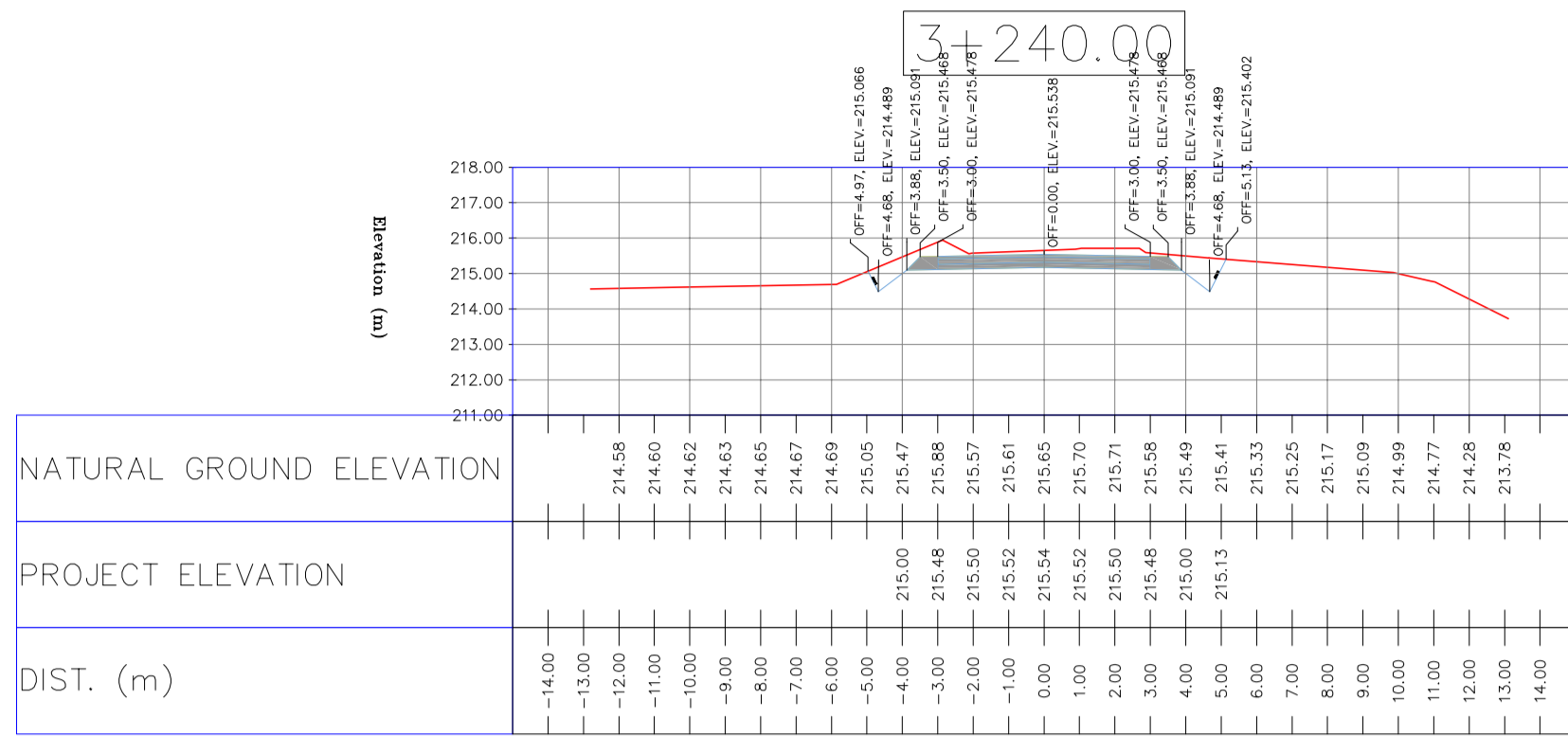
REVISION: D05

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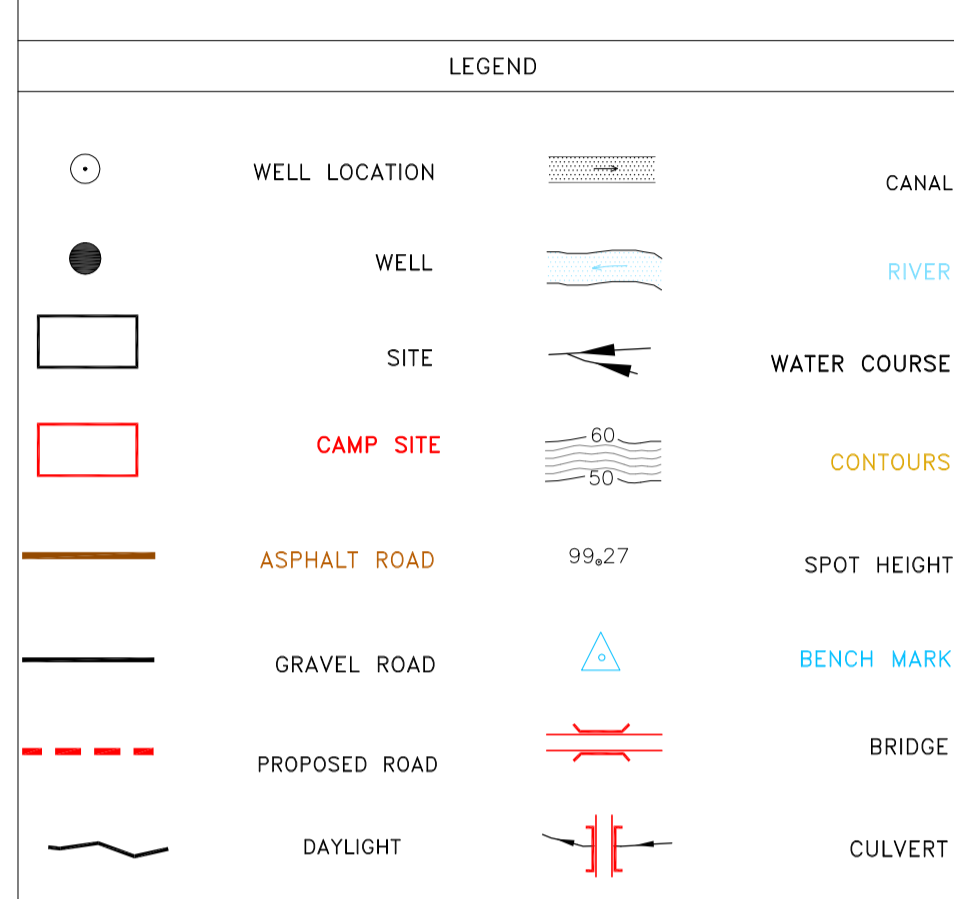
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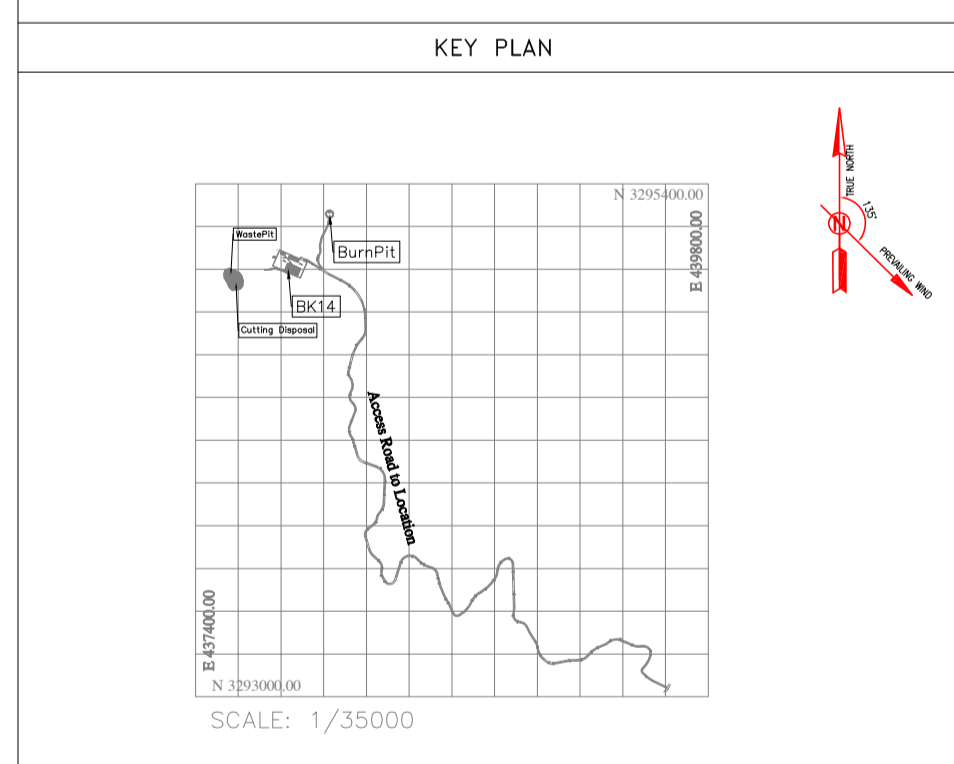
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Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***

REV.	DESCRIPTION	BY	DATE	BY	DATE
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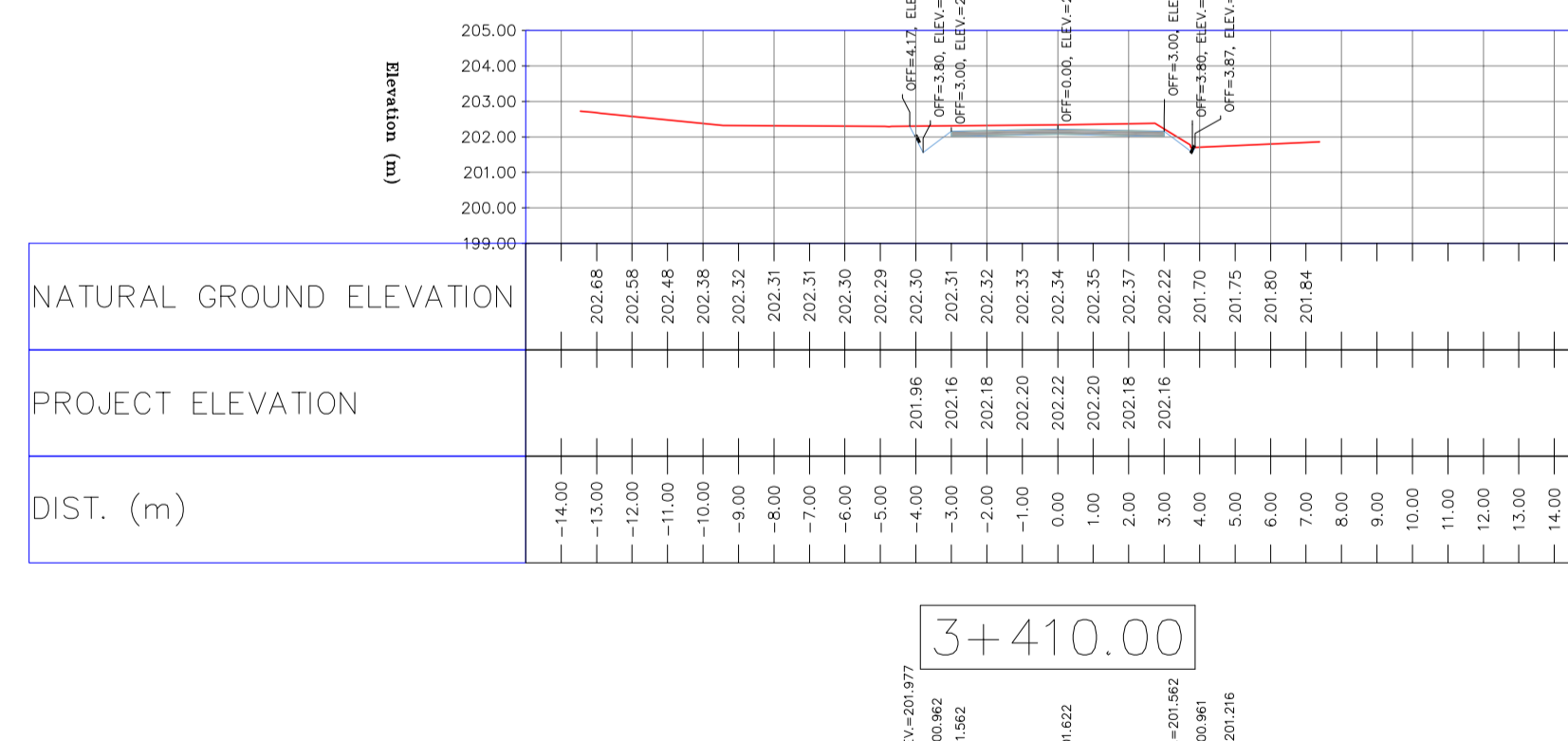
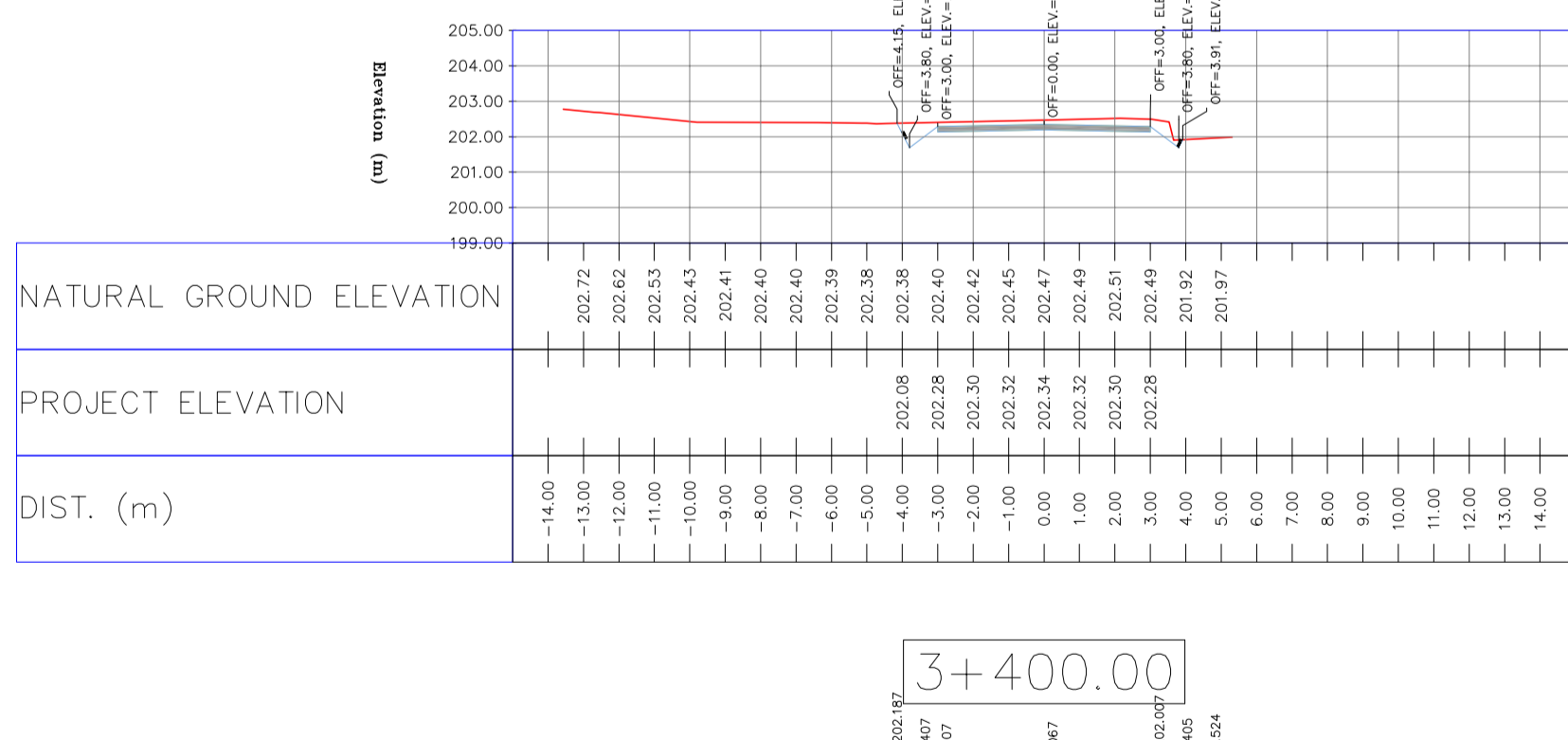
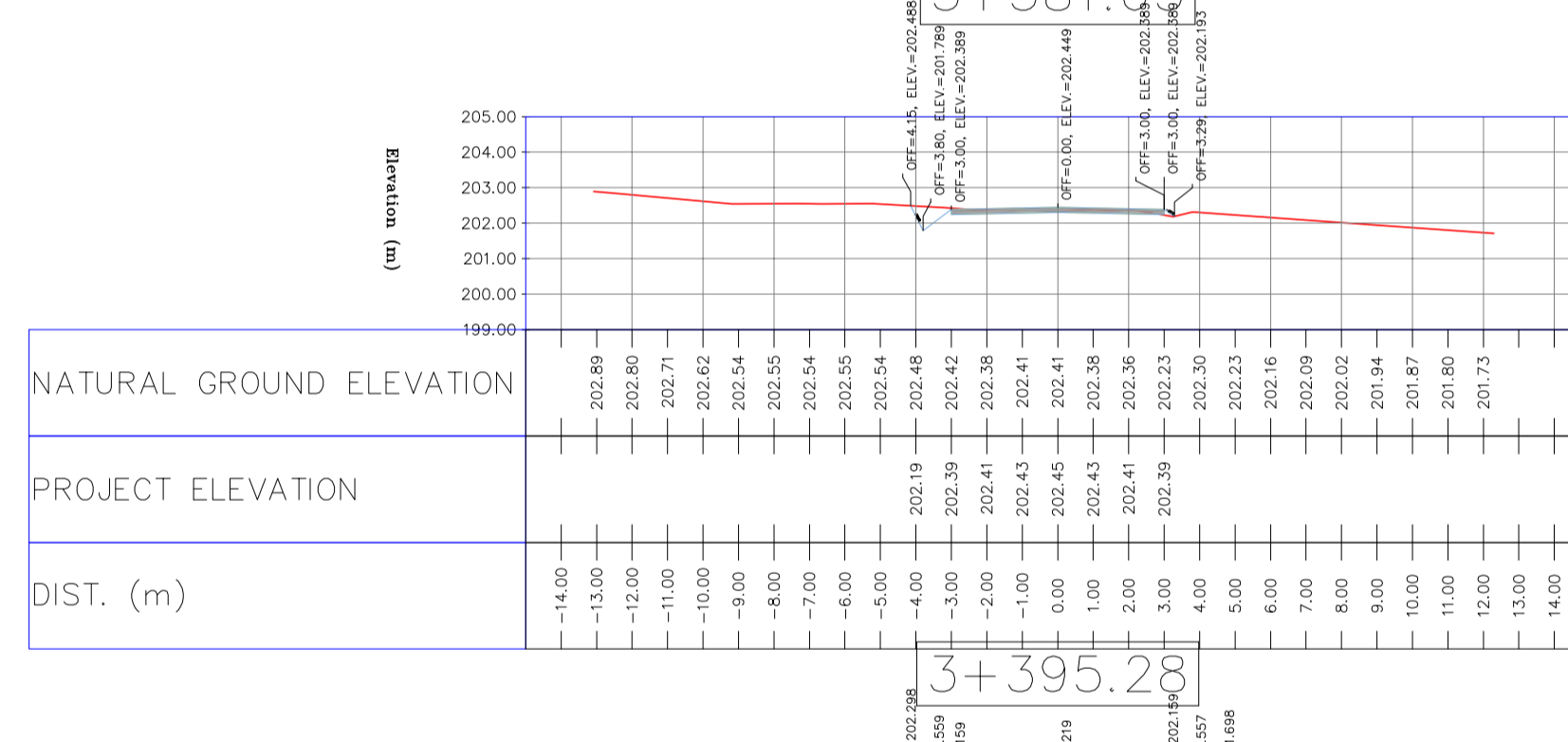
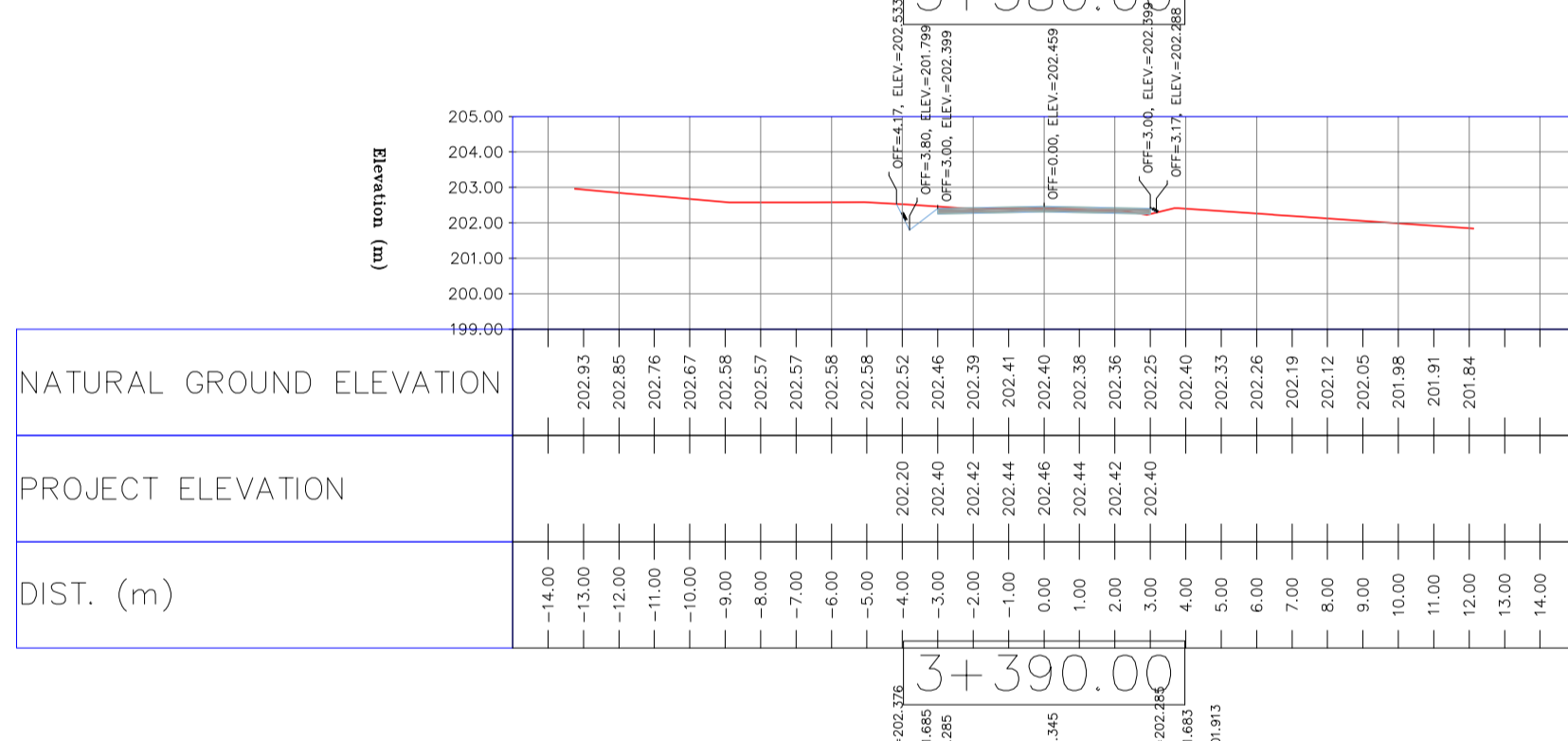
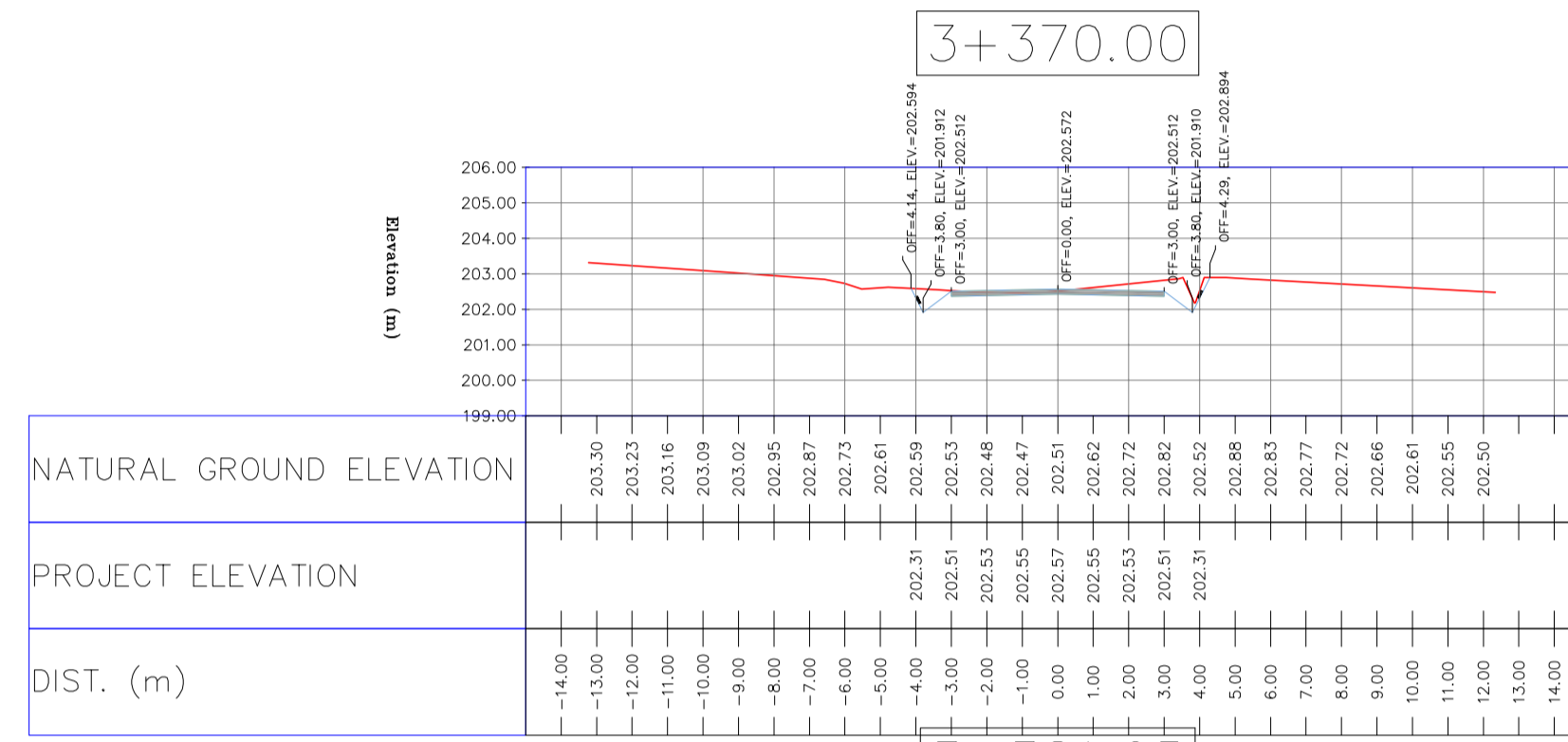
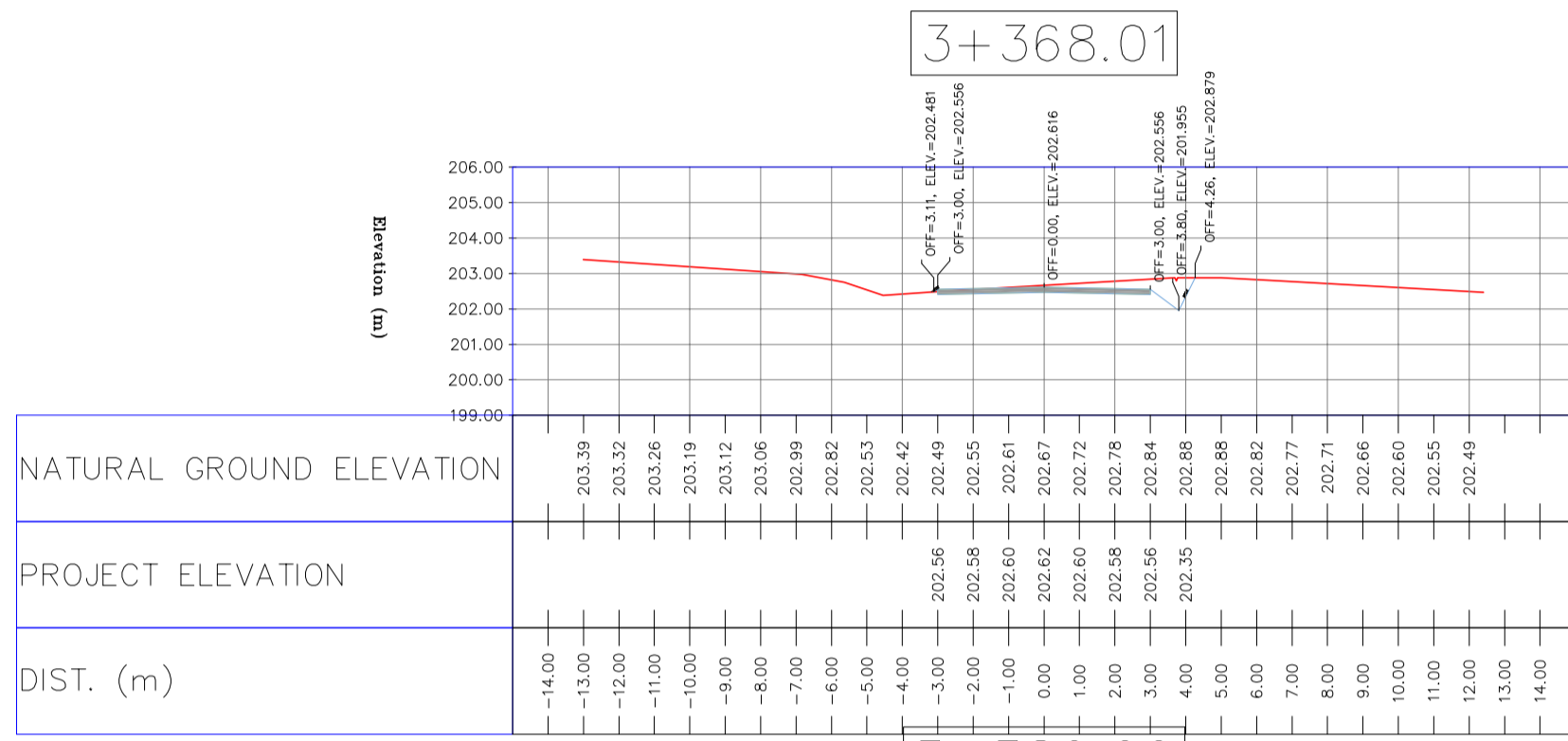
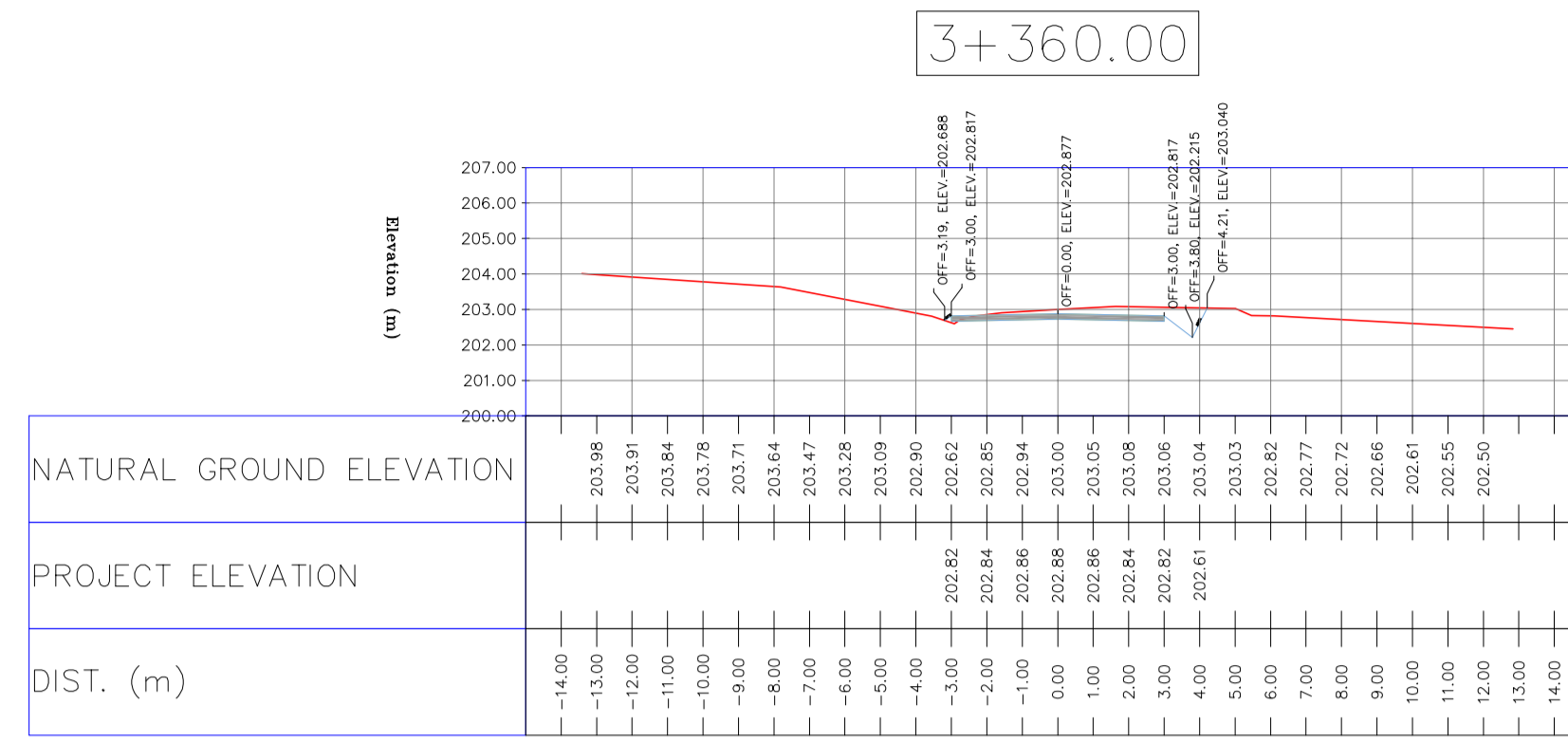
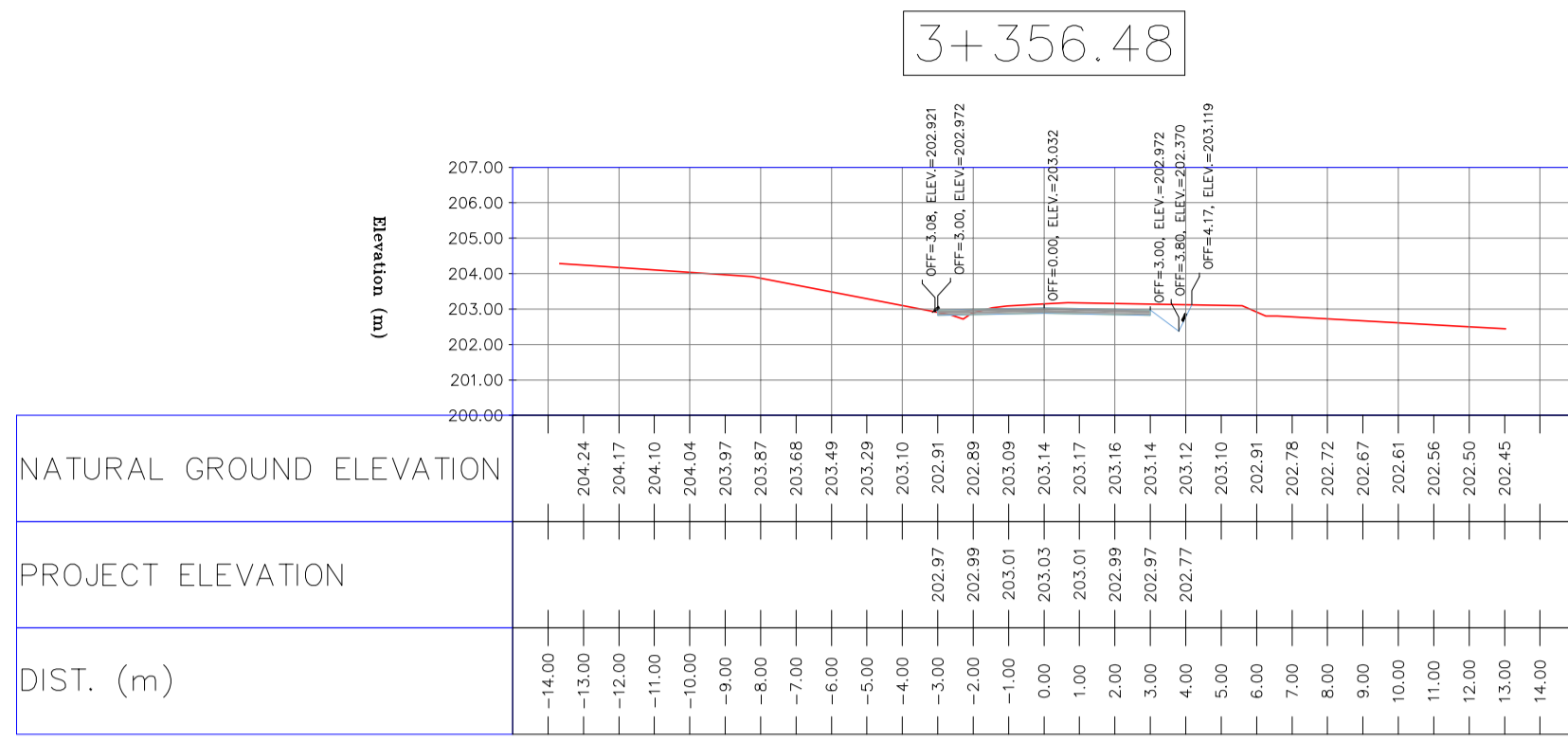
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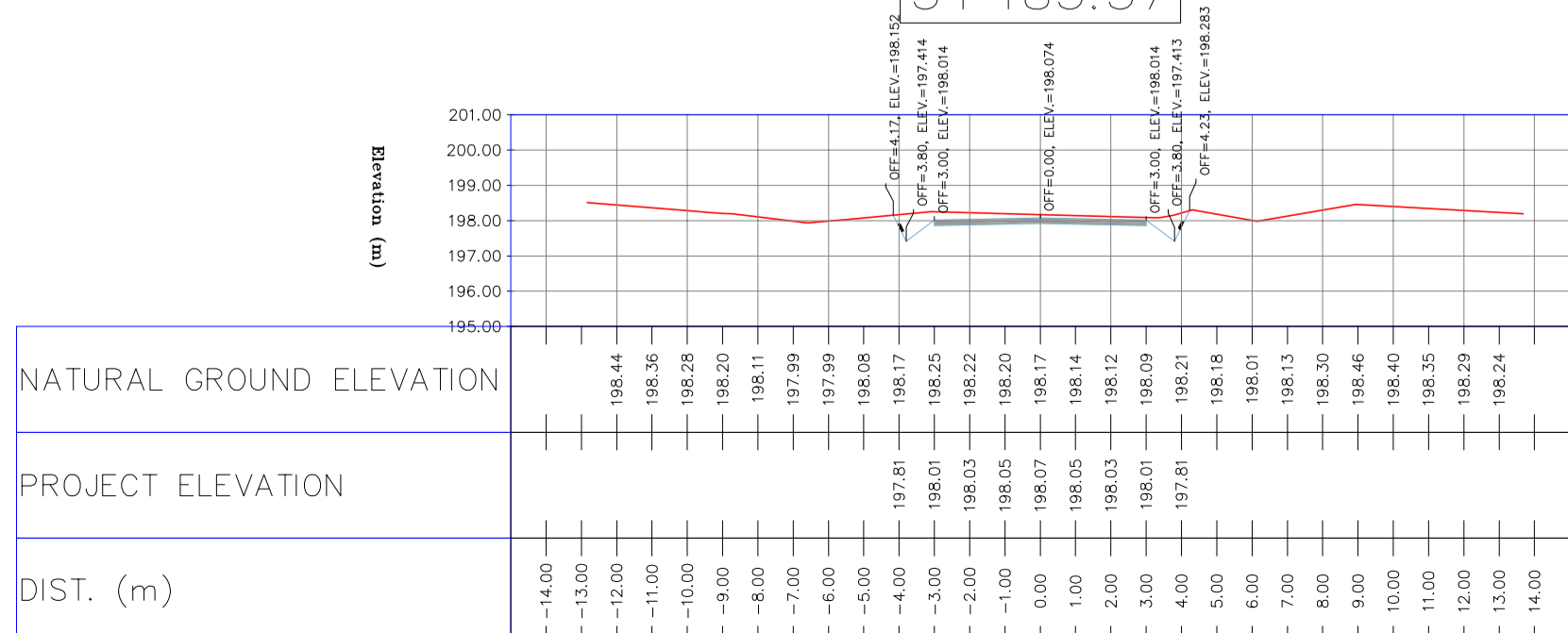
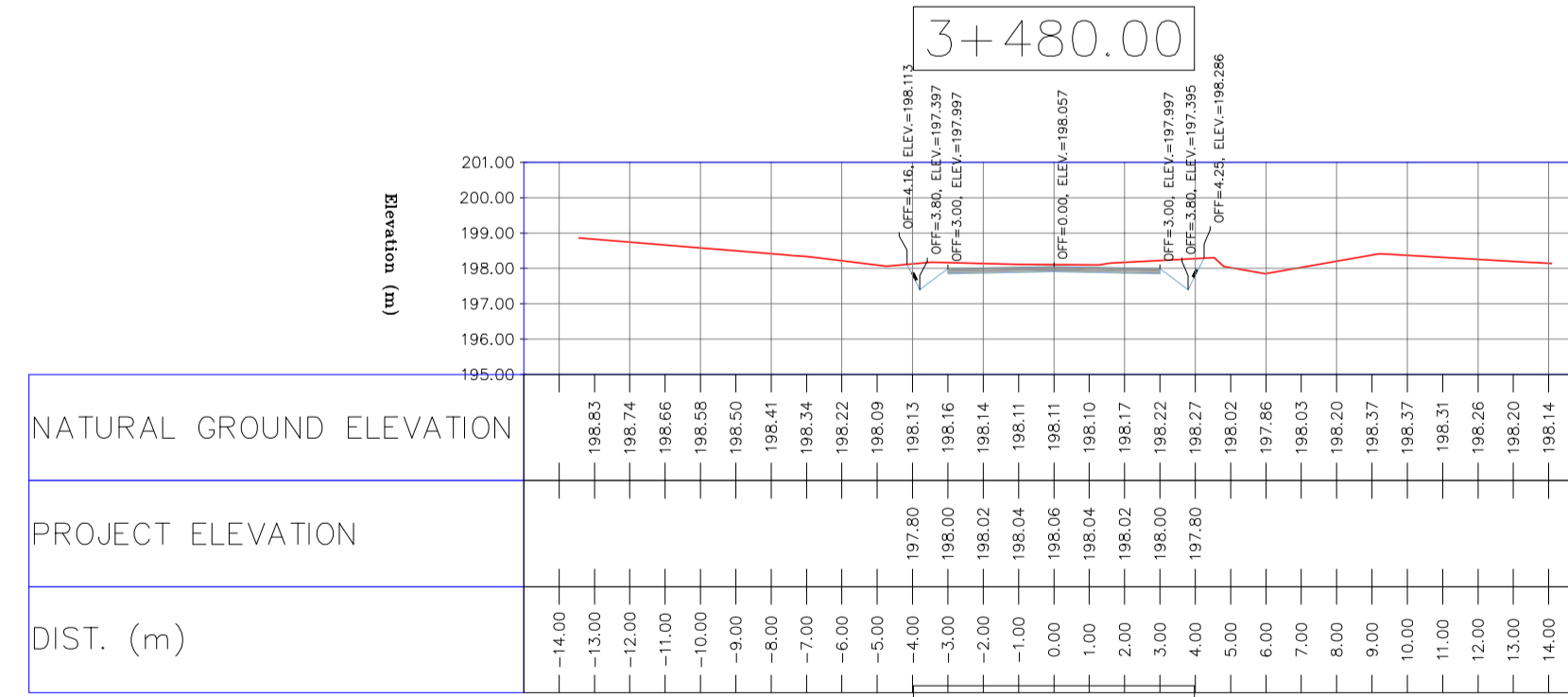
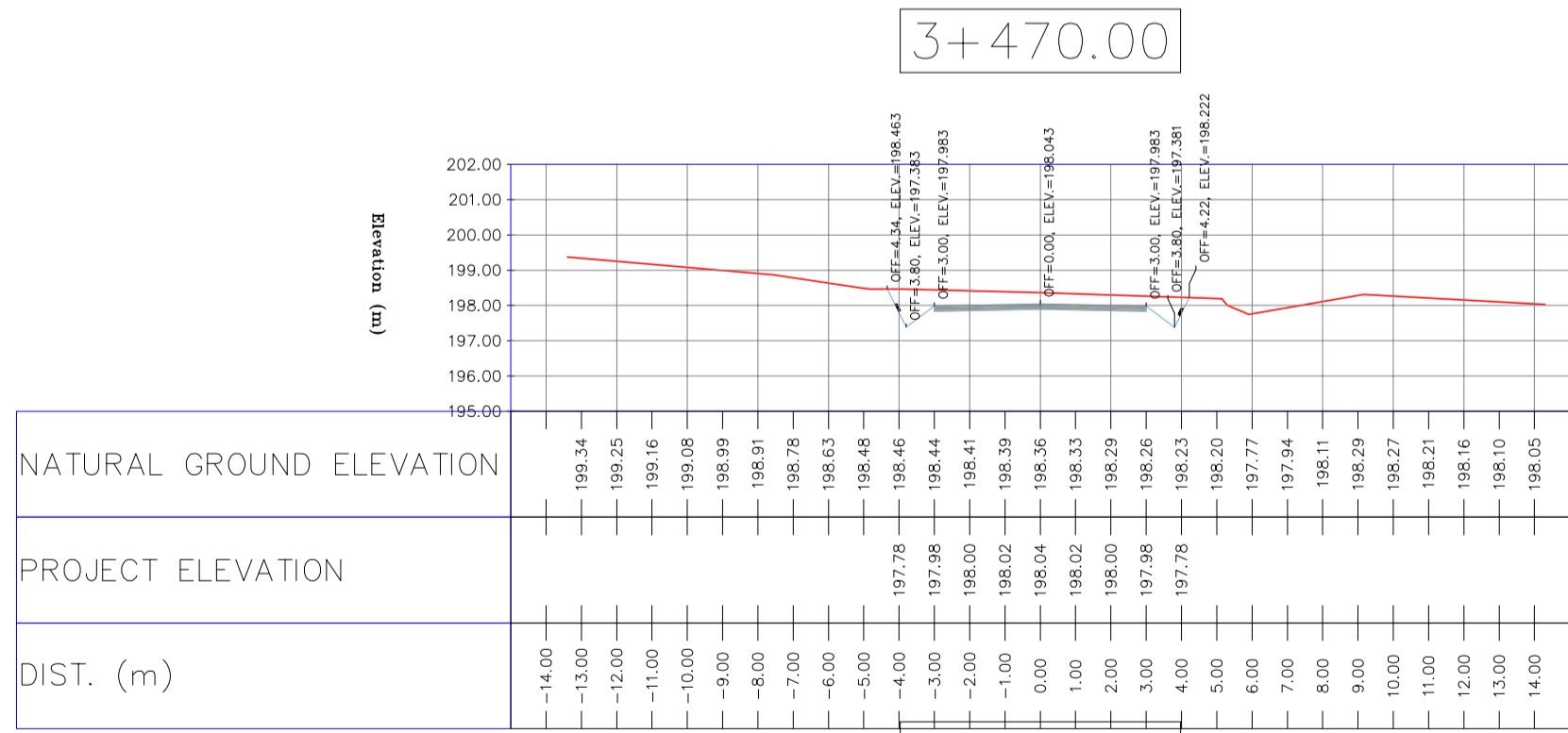
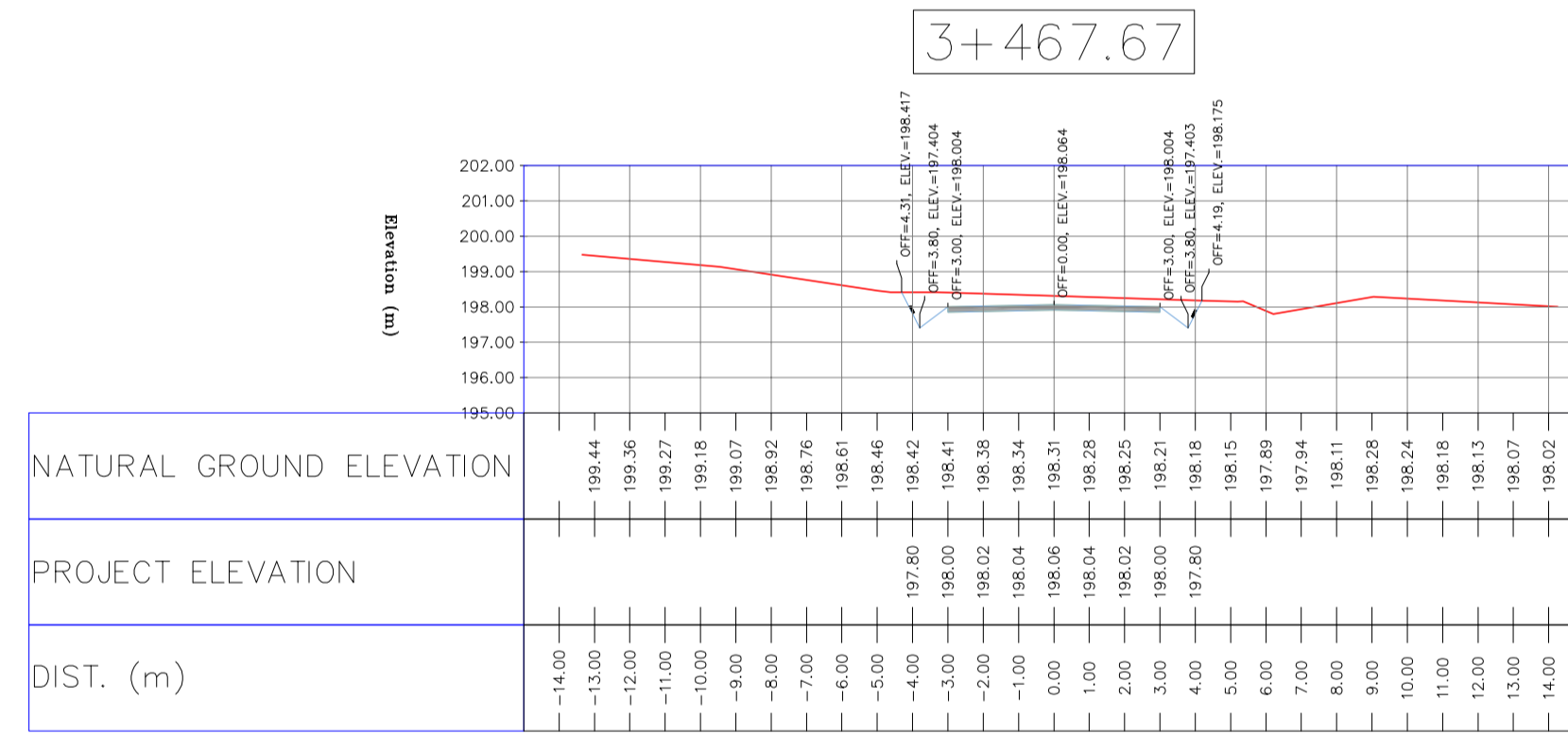
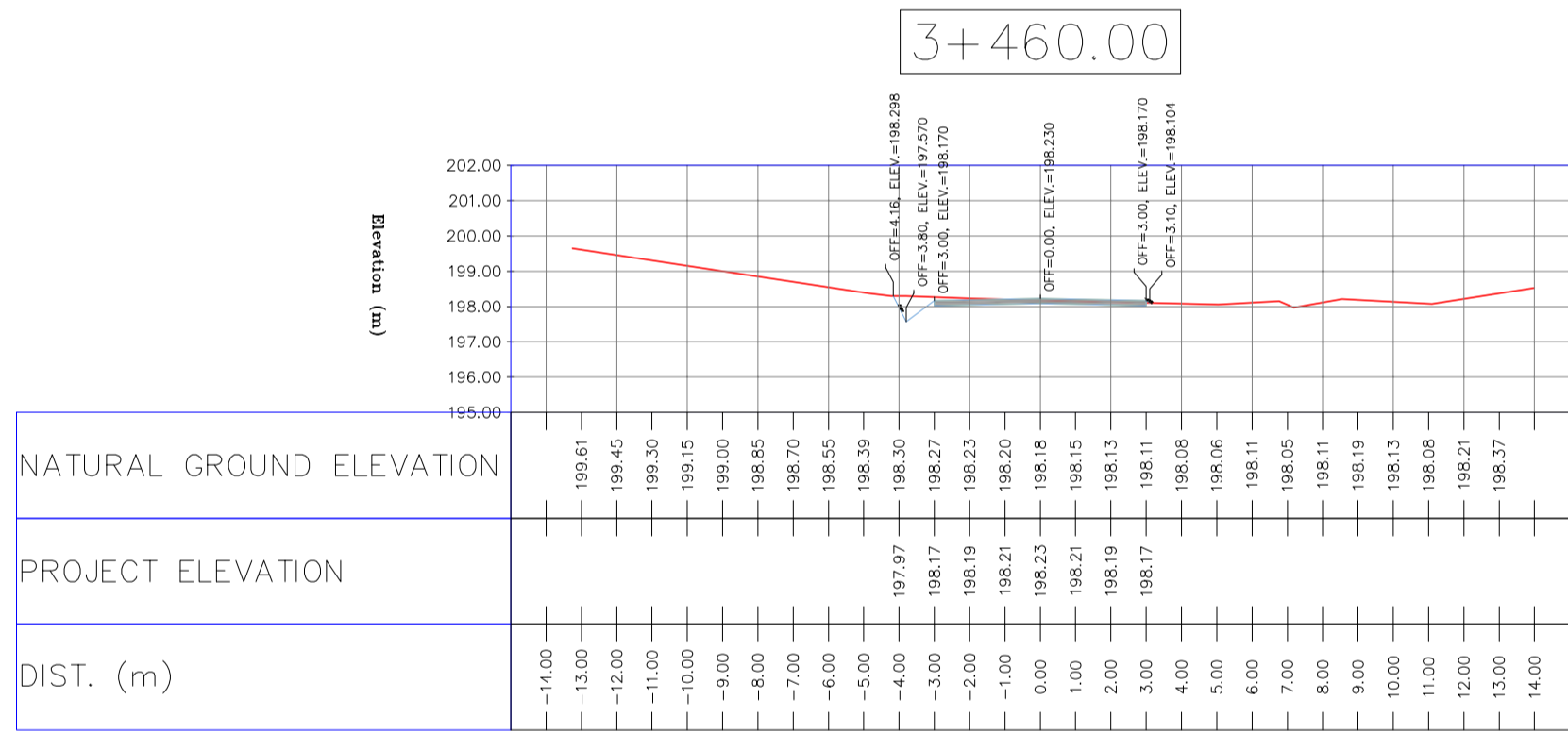
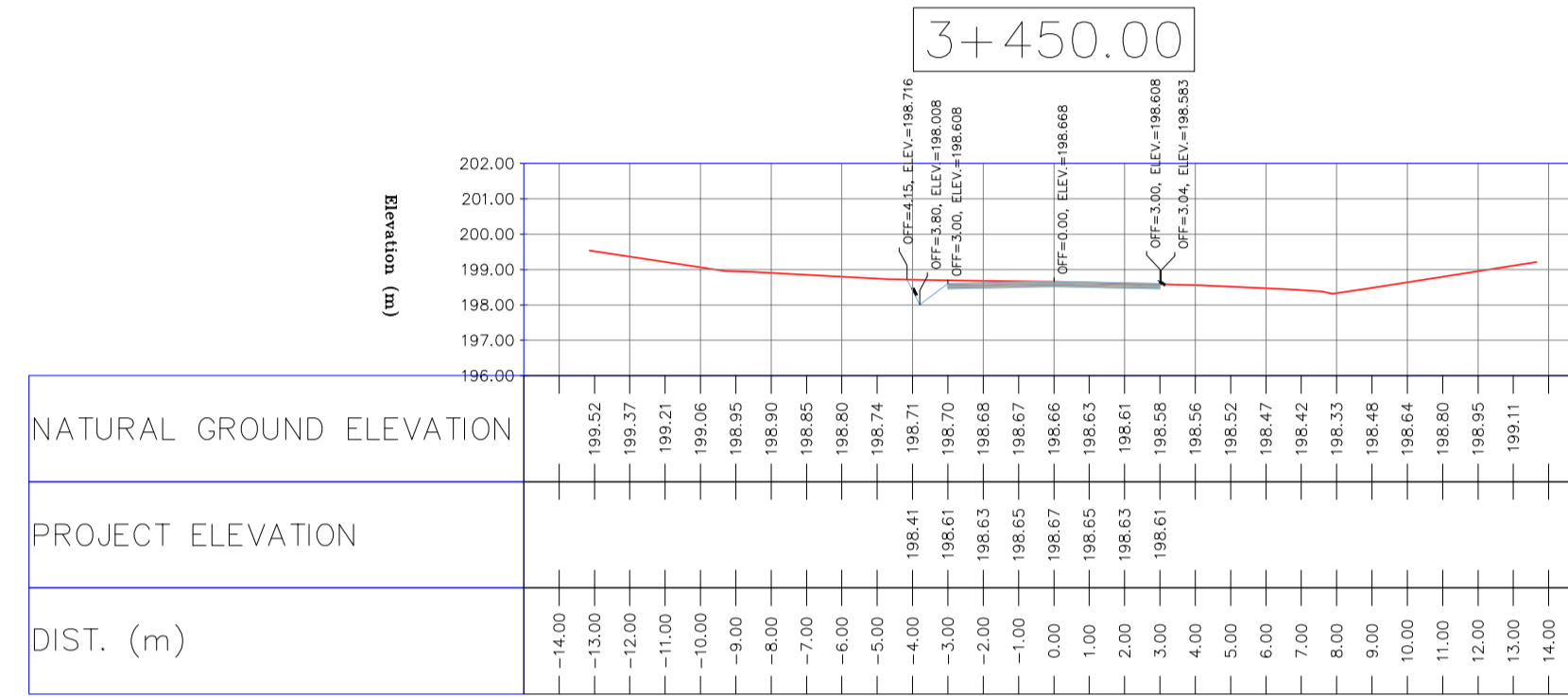
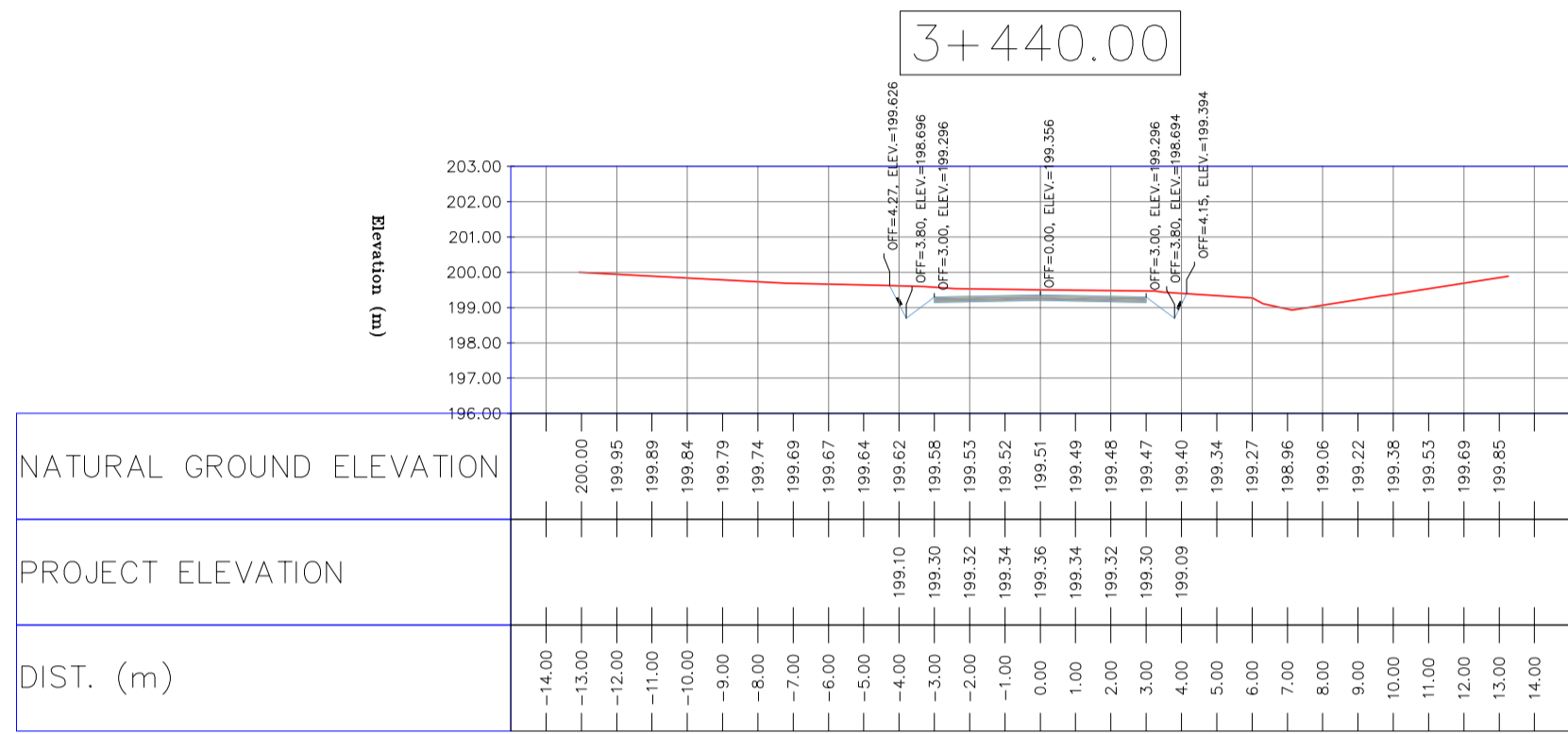
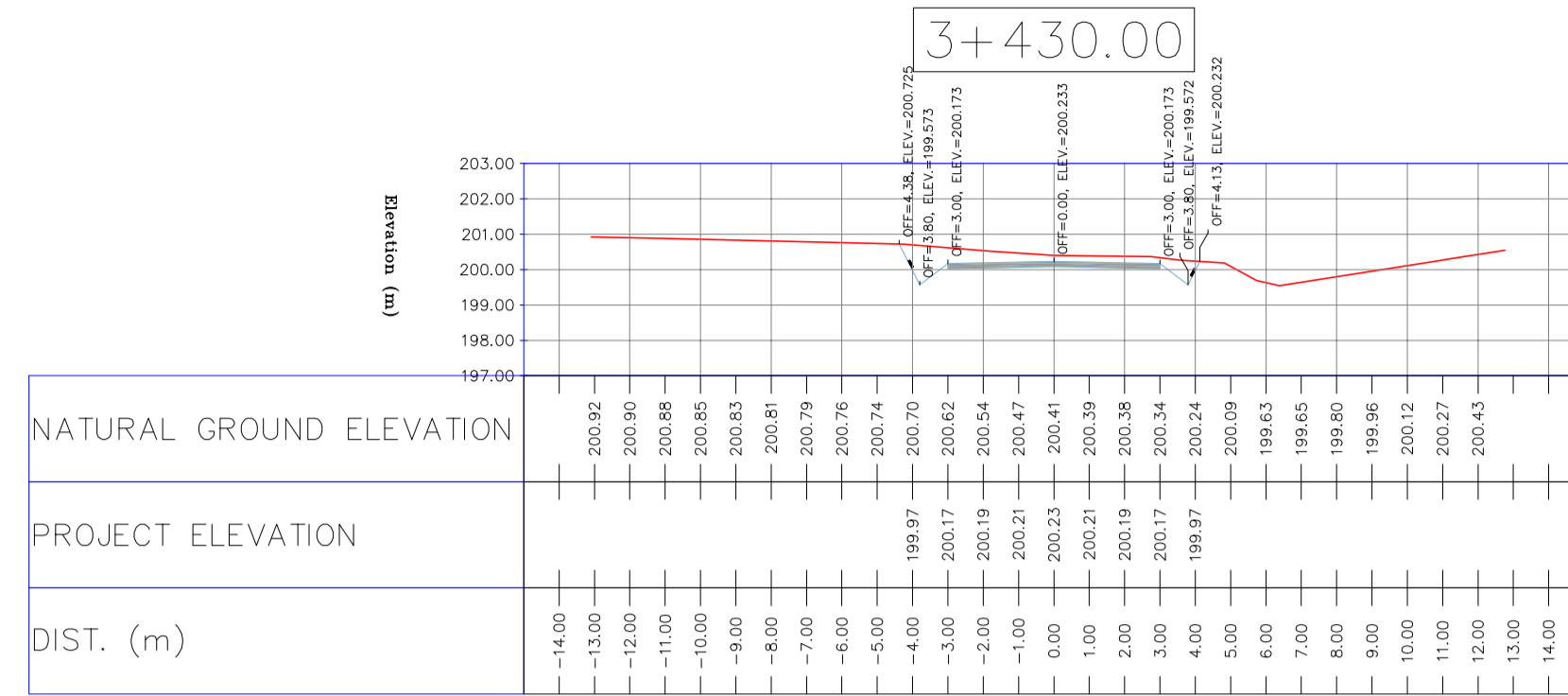
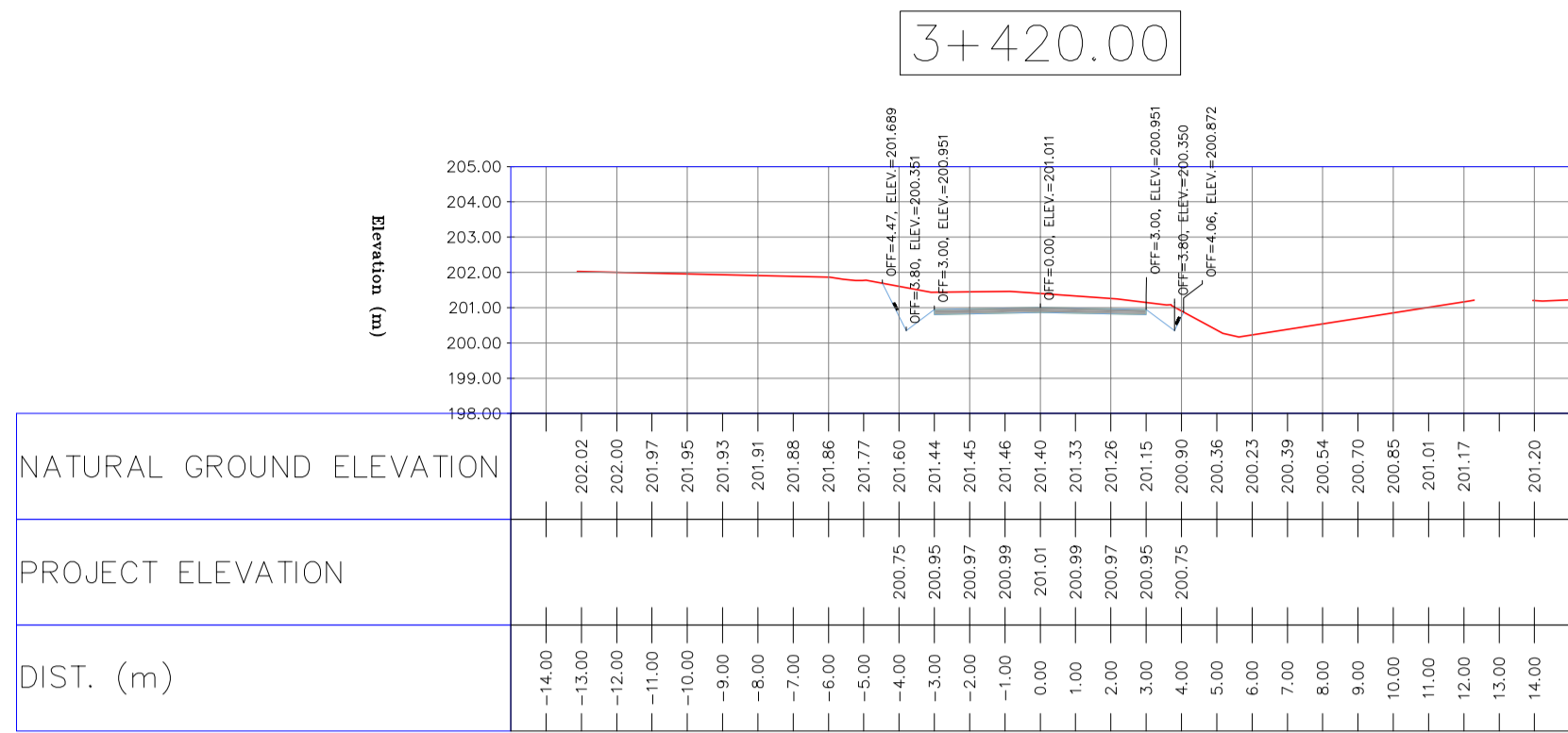
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

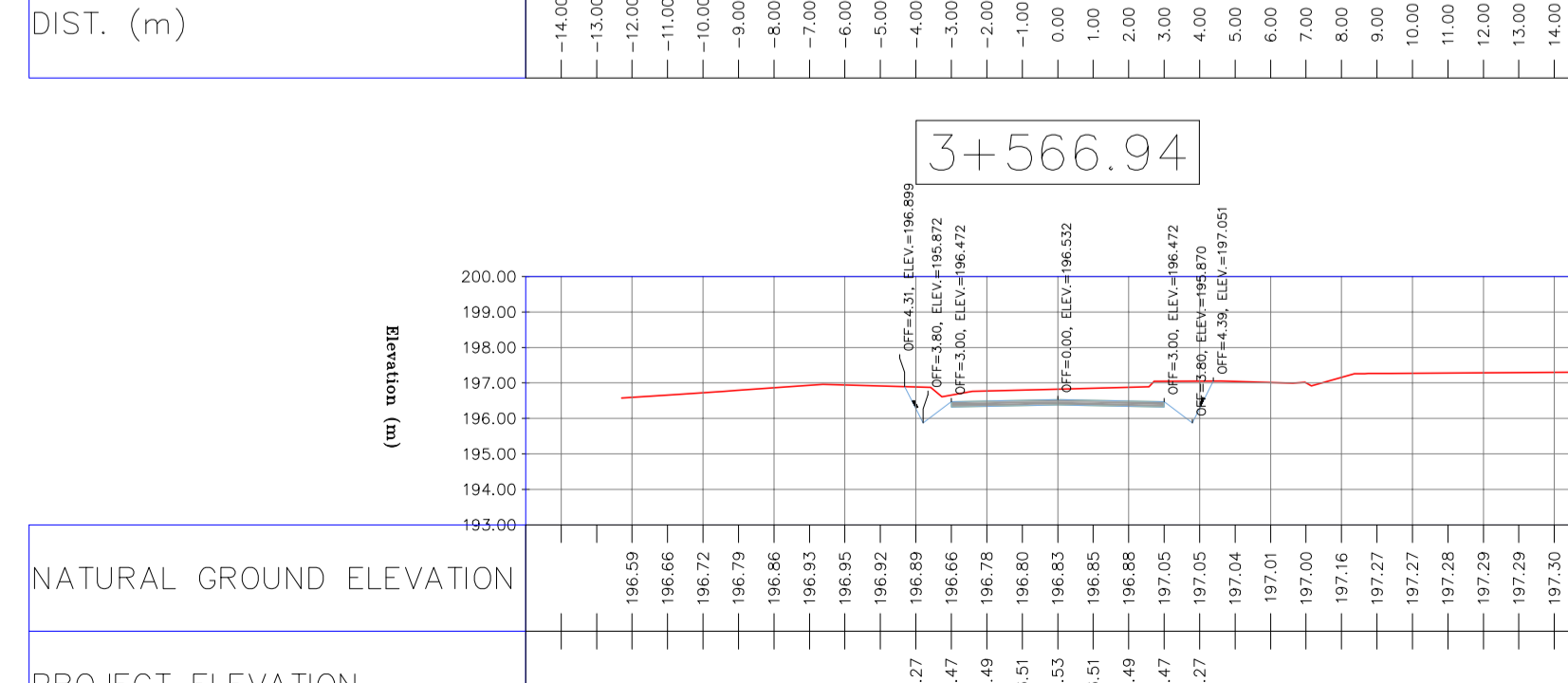
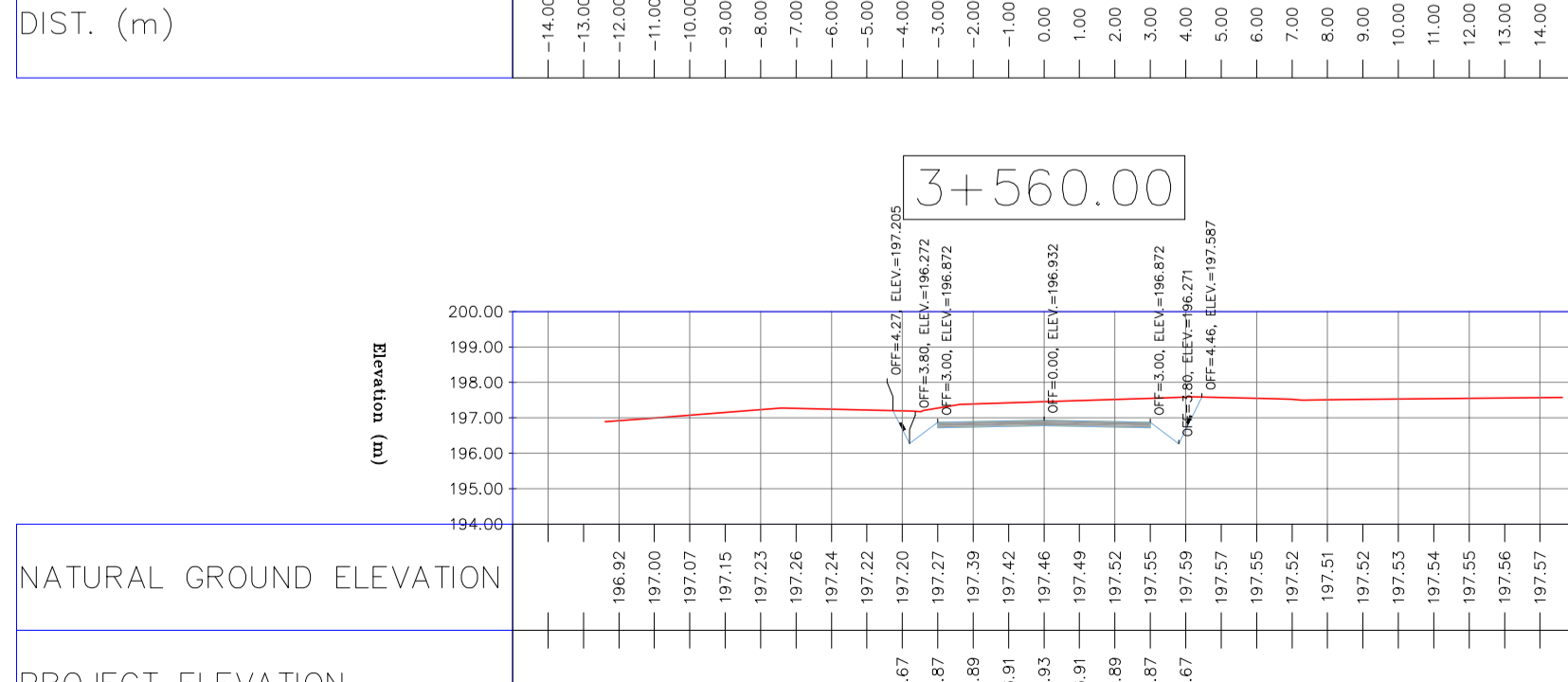
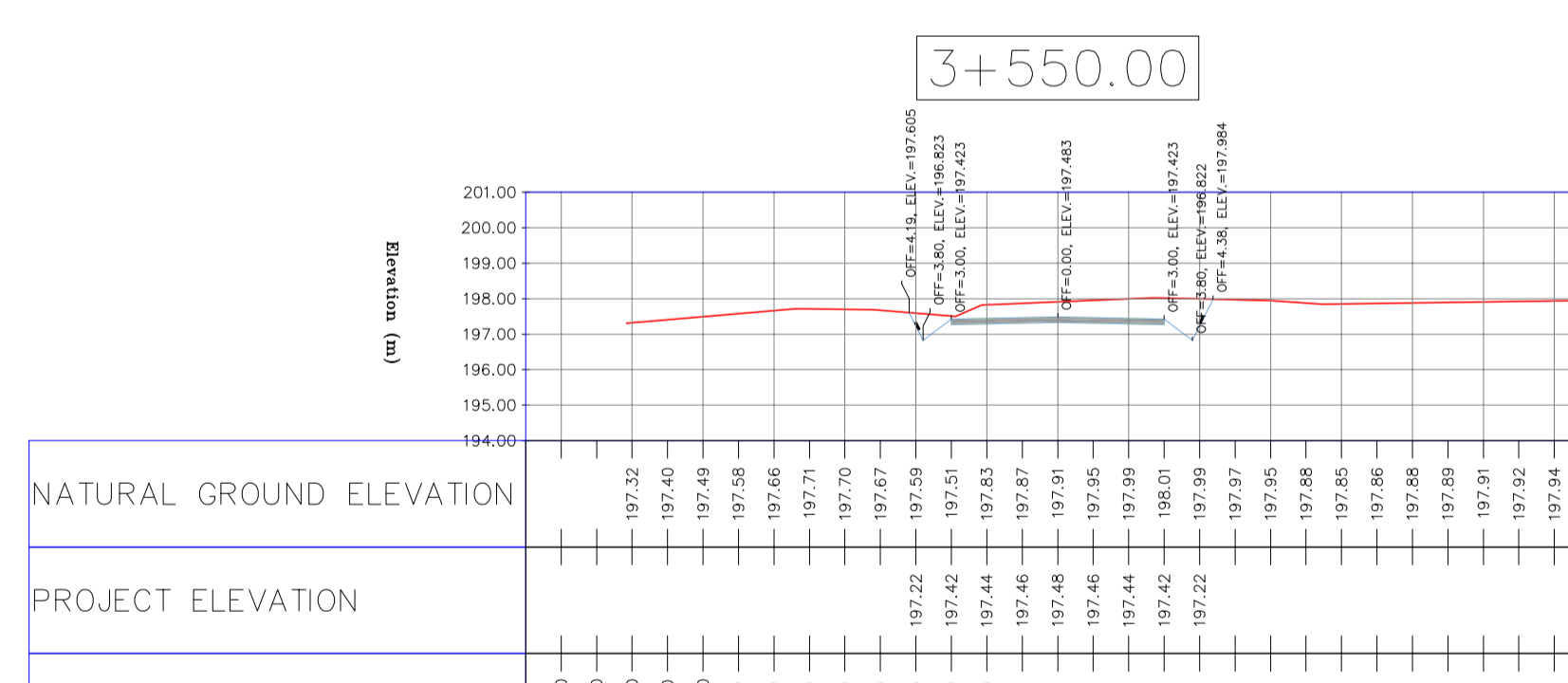
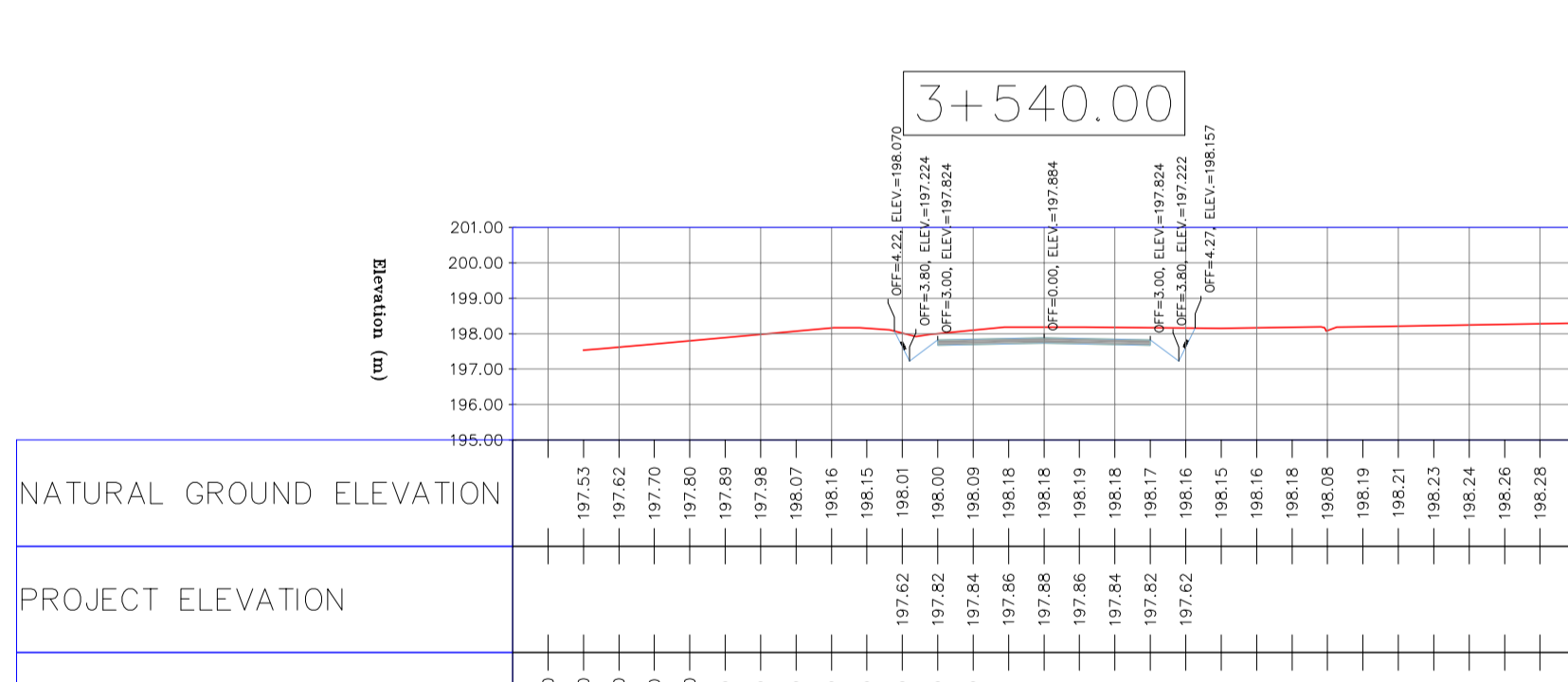
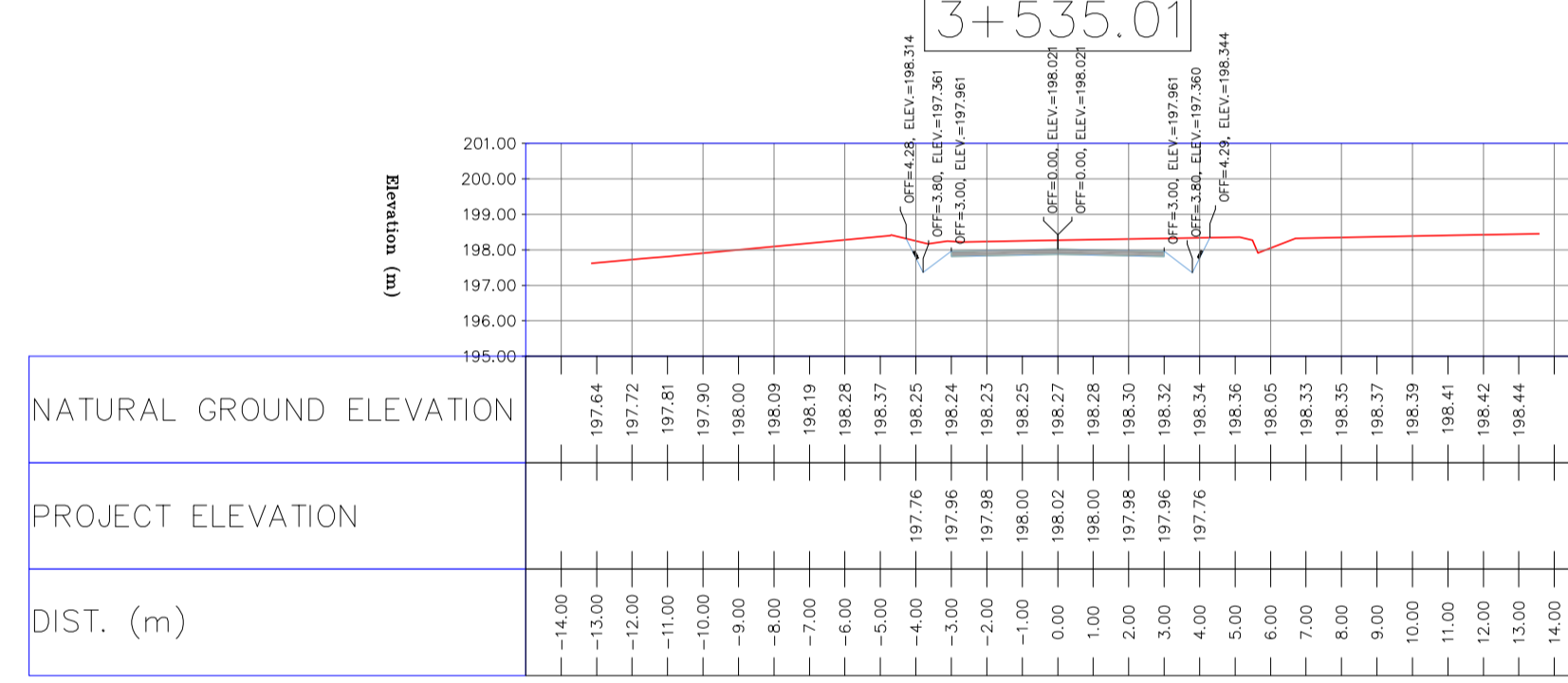
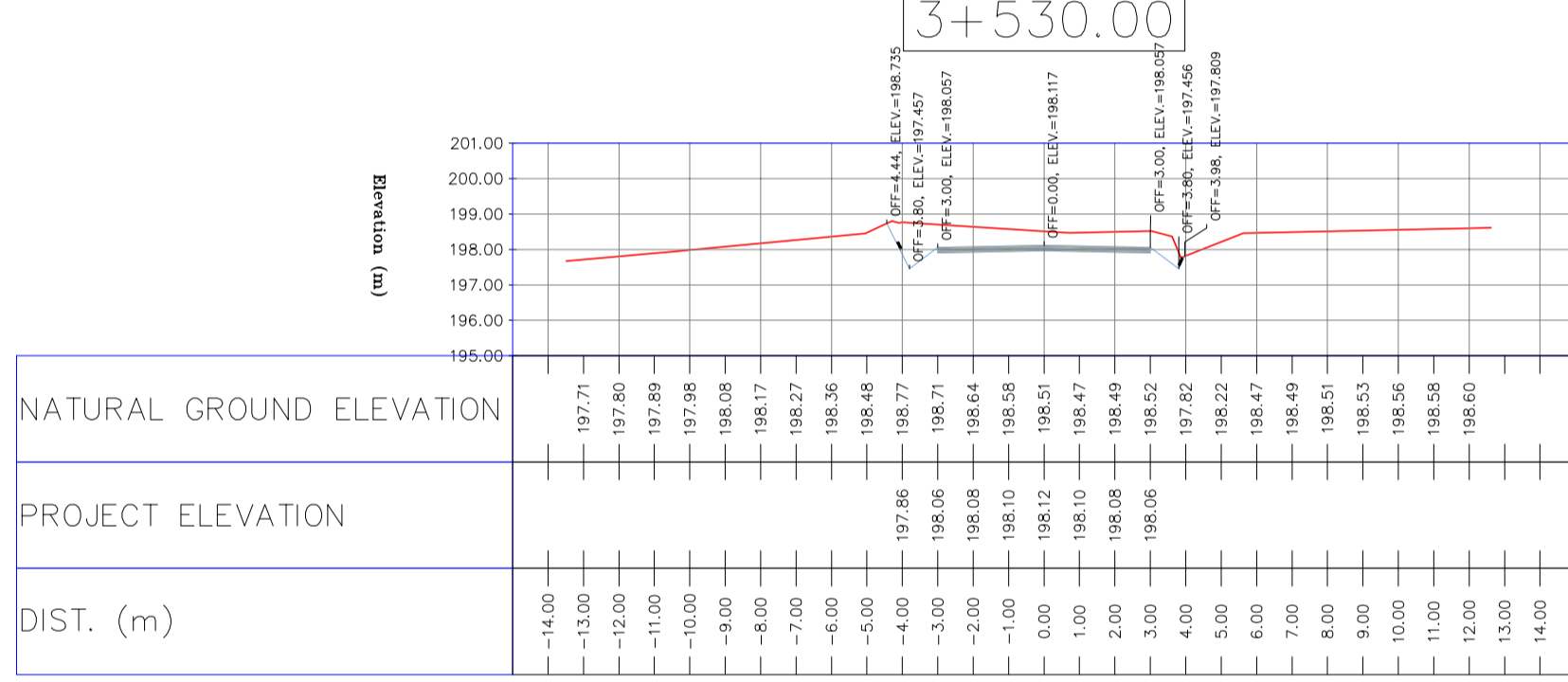
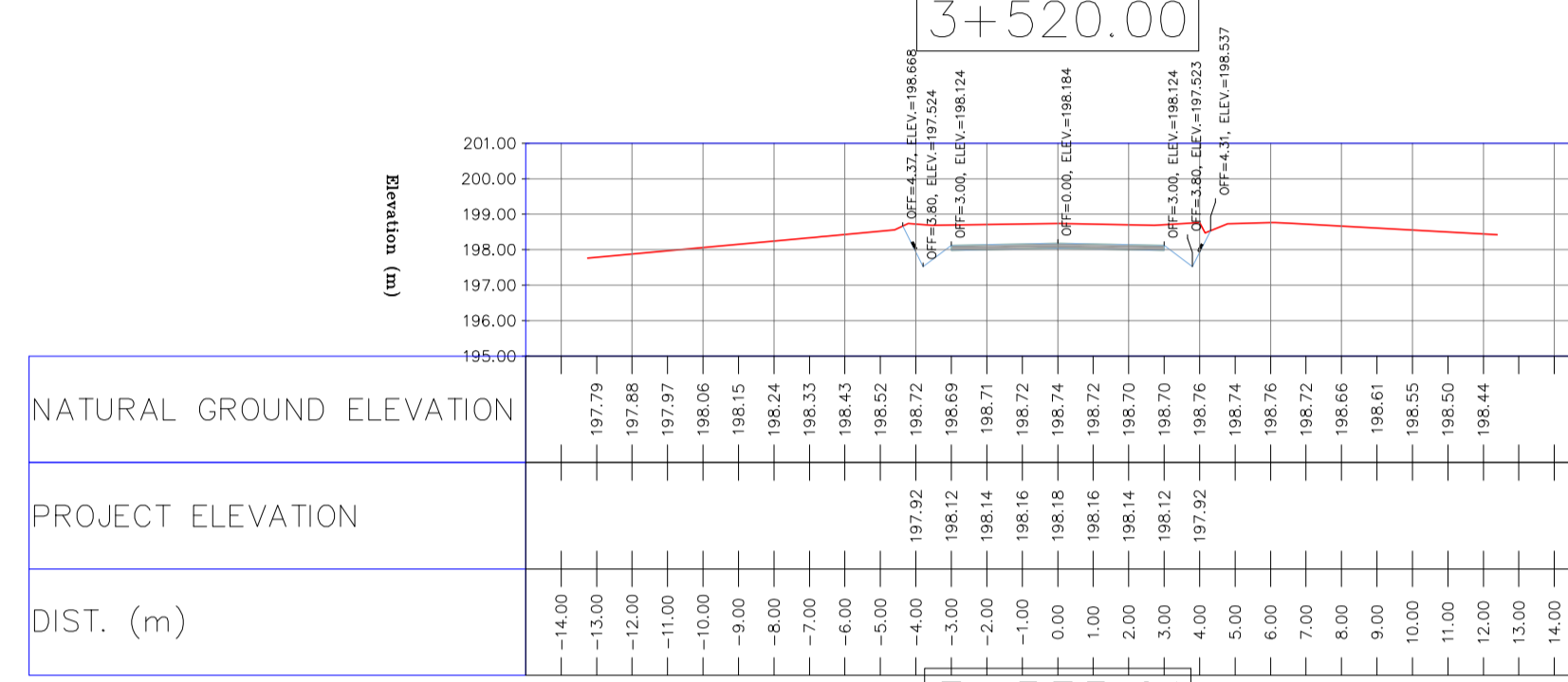
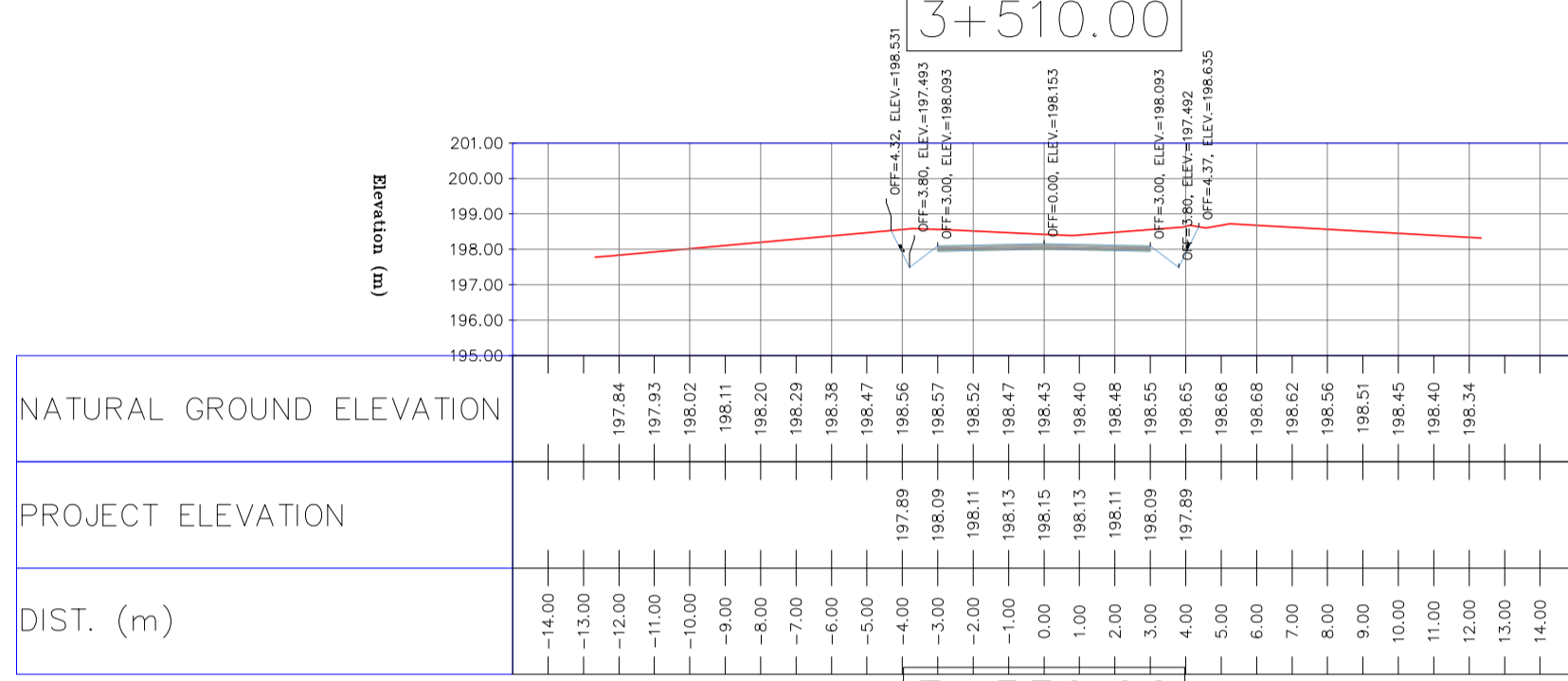
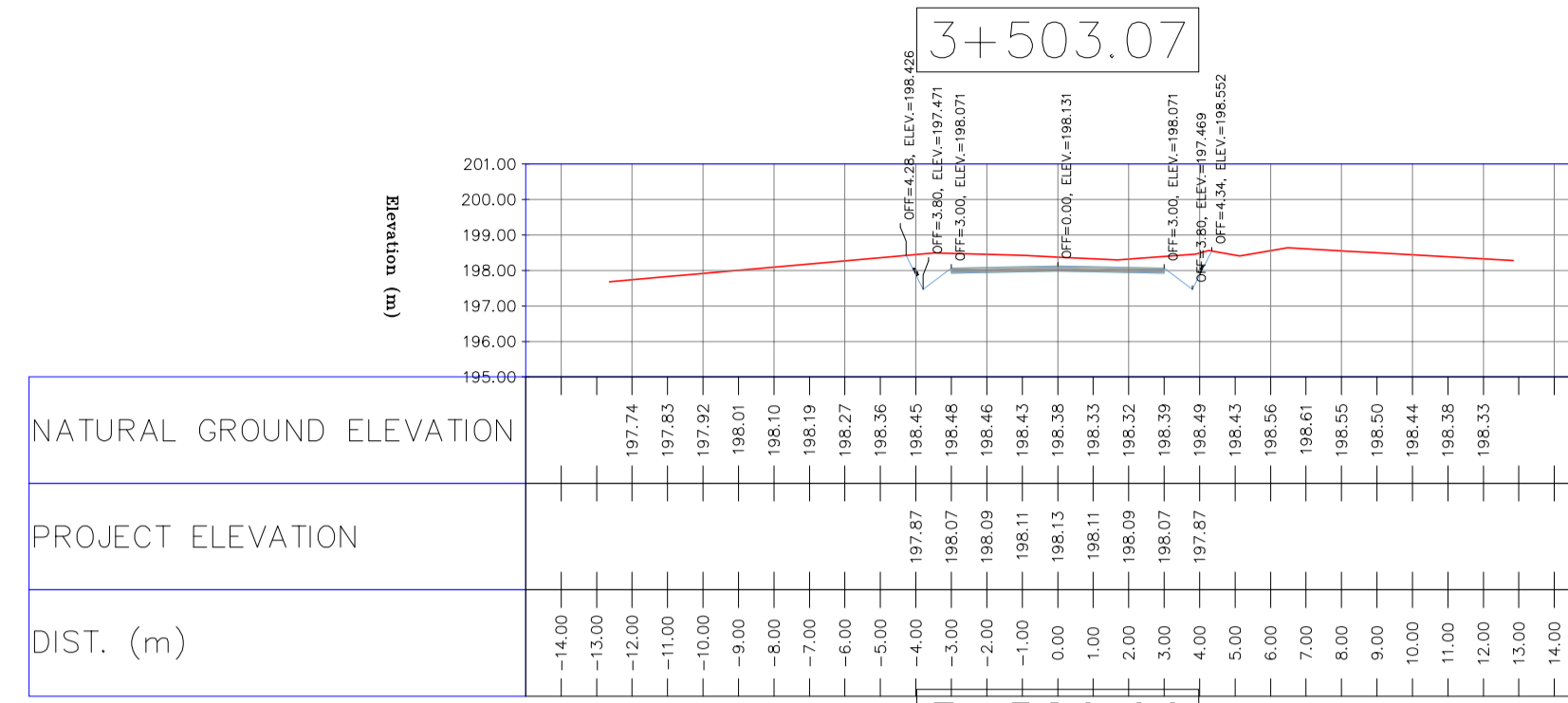
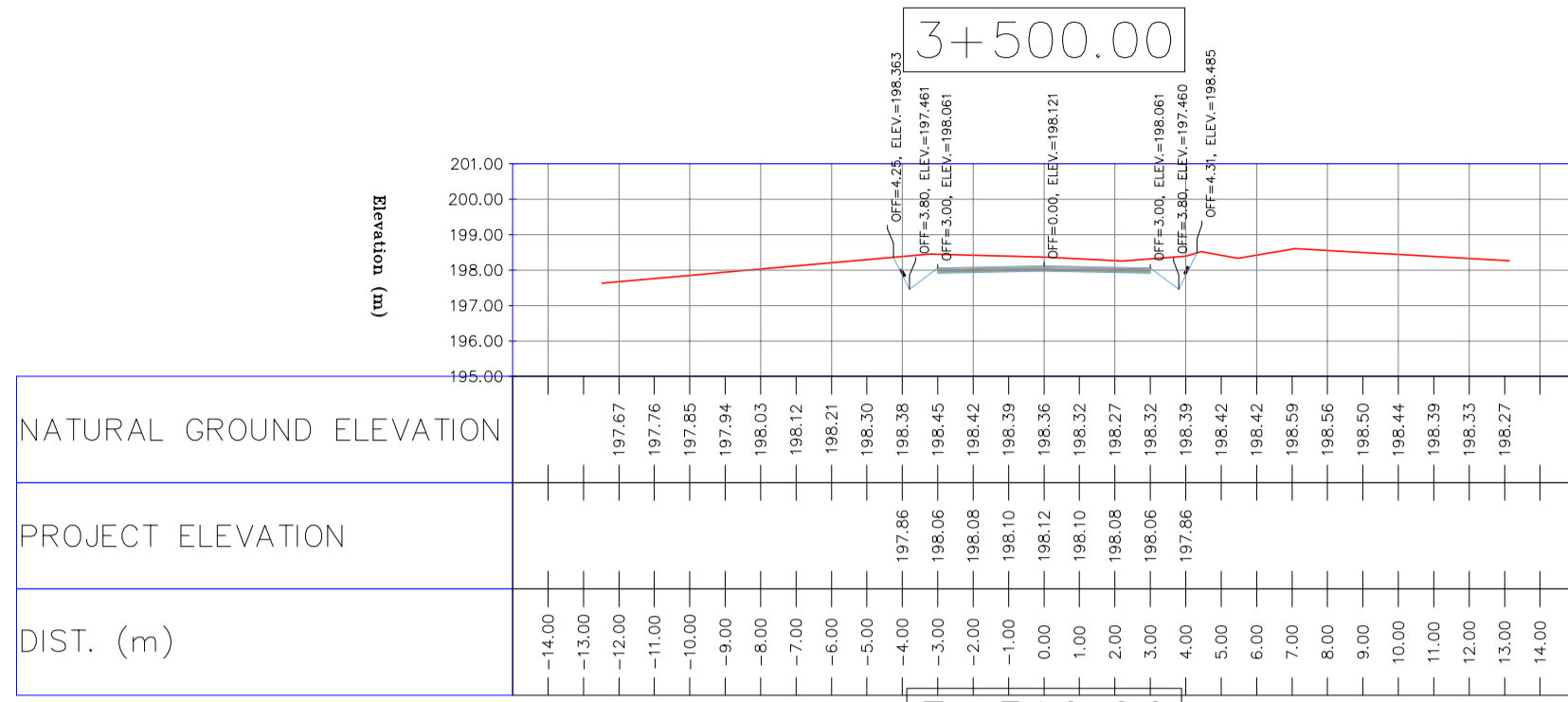
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APPROVED FOR CONSTRUCTION	BY:	DATE:

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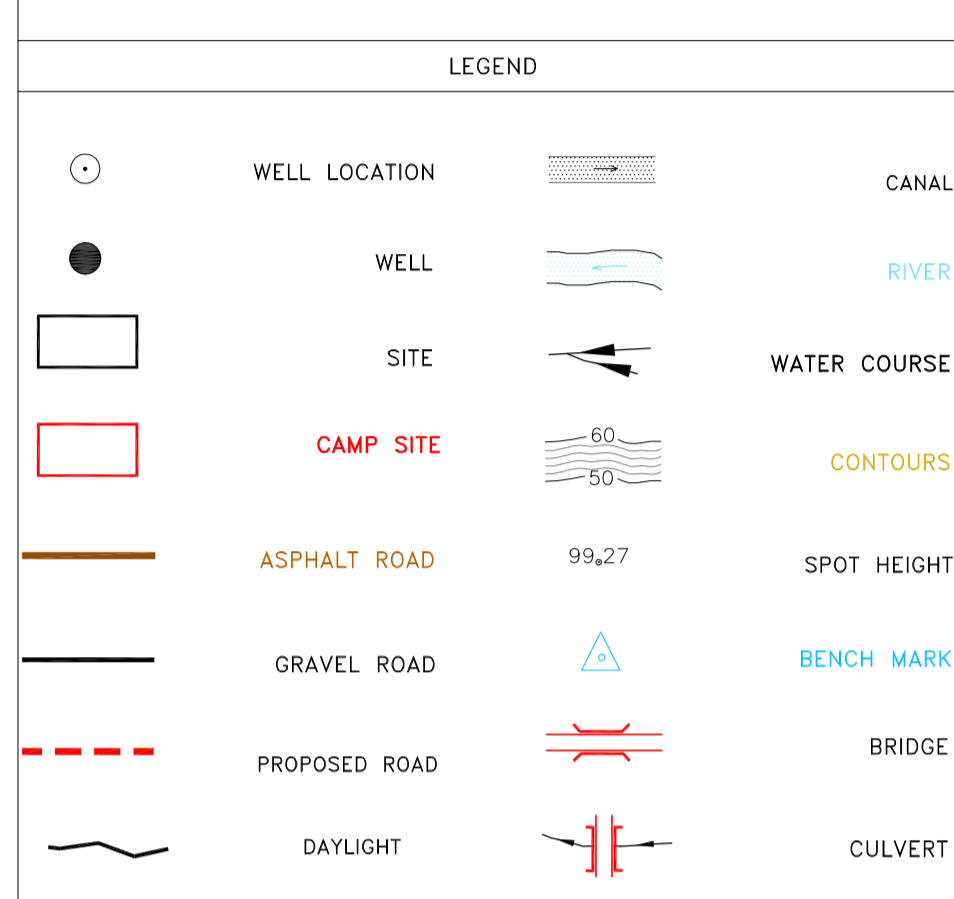


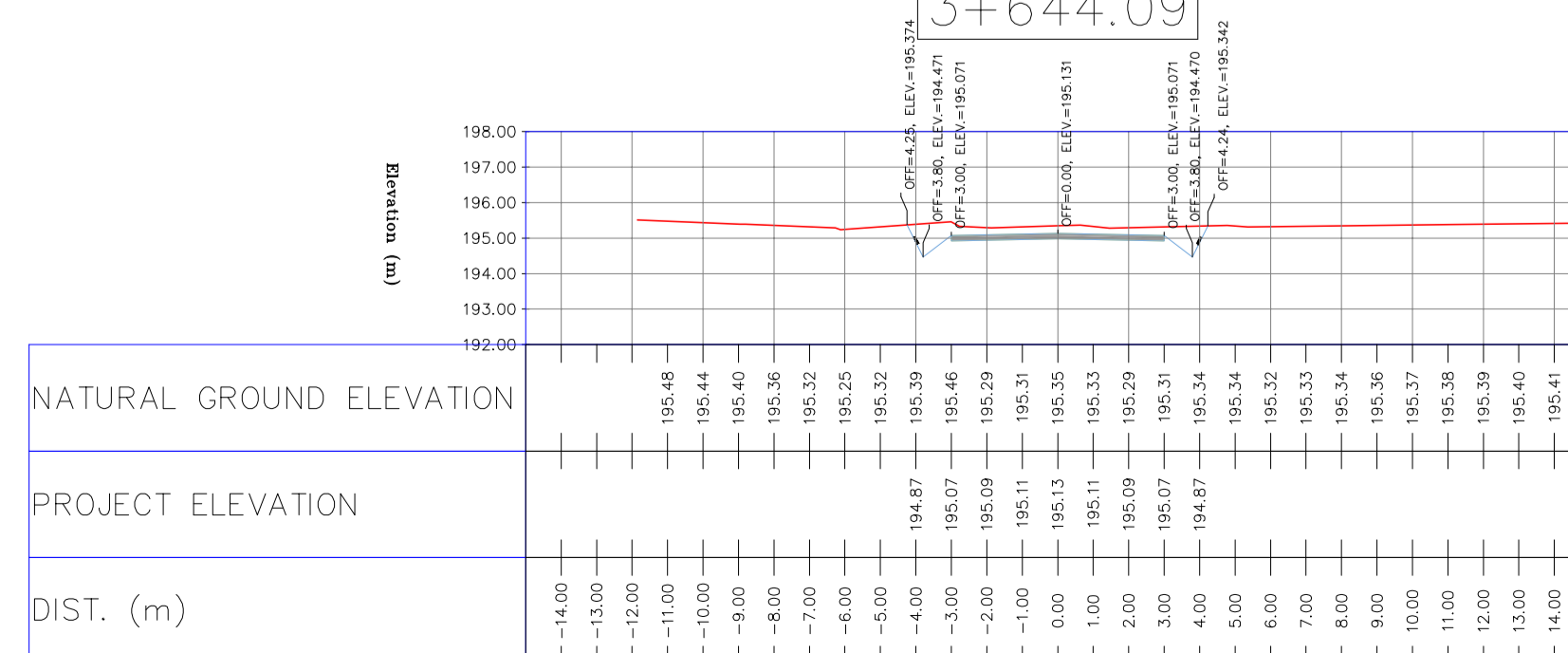
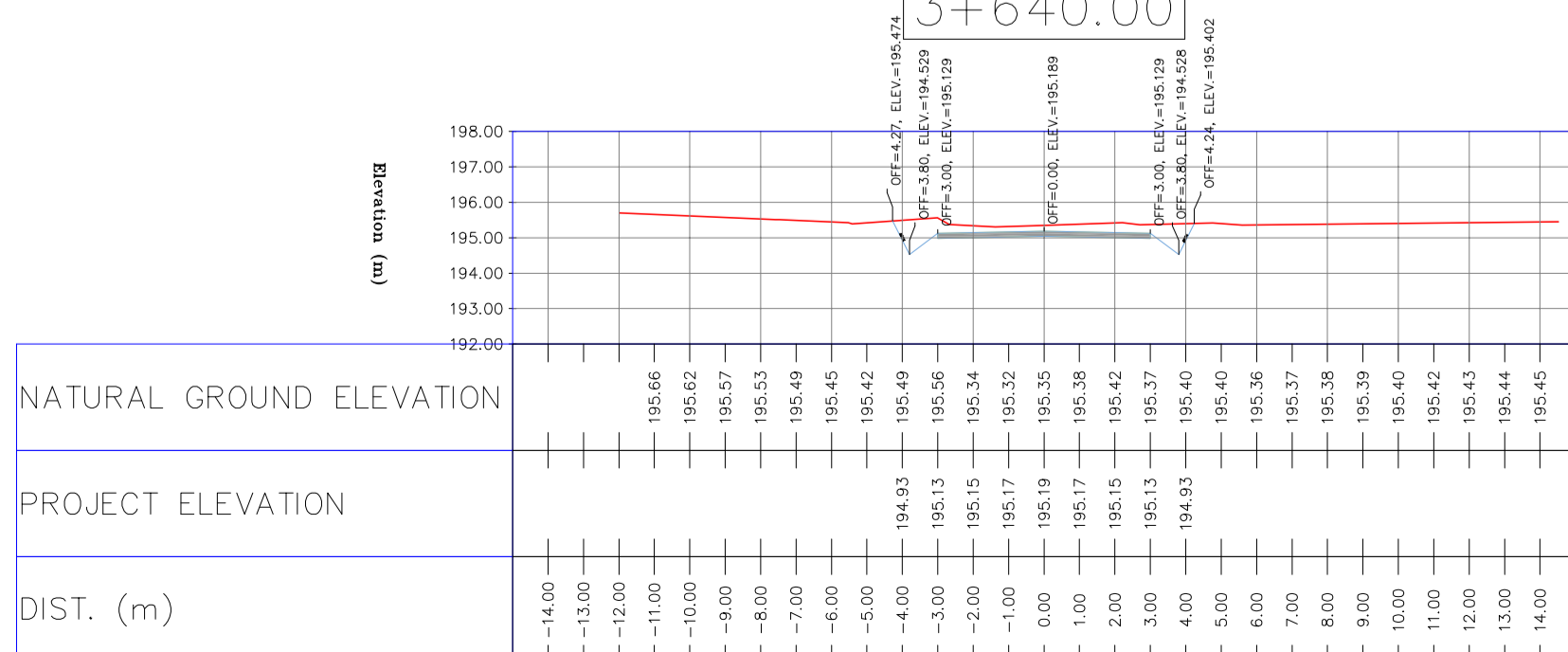
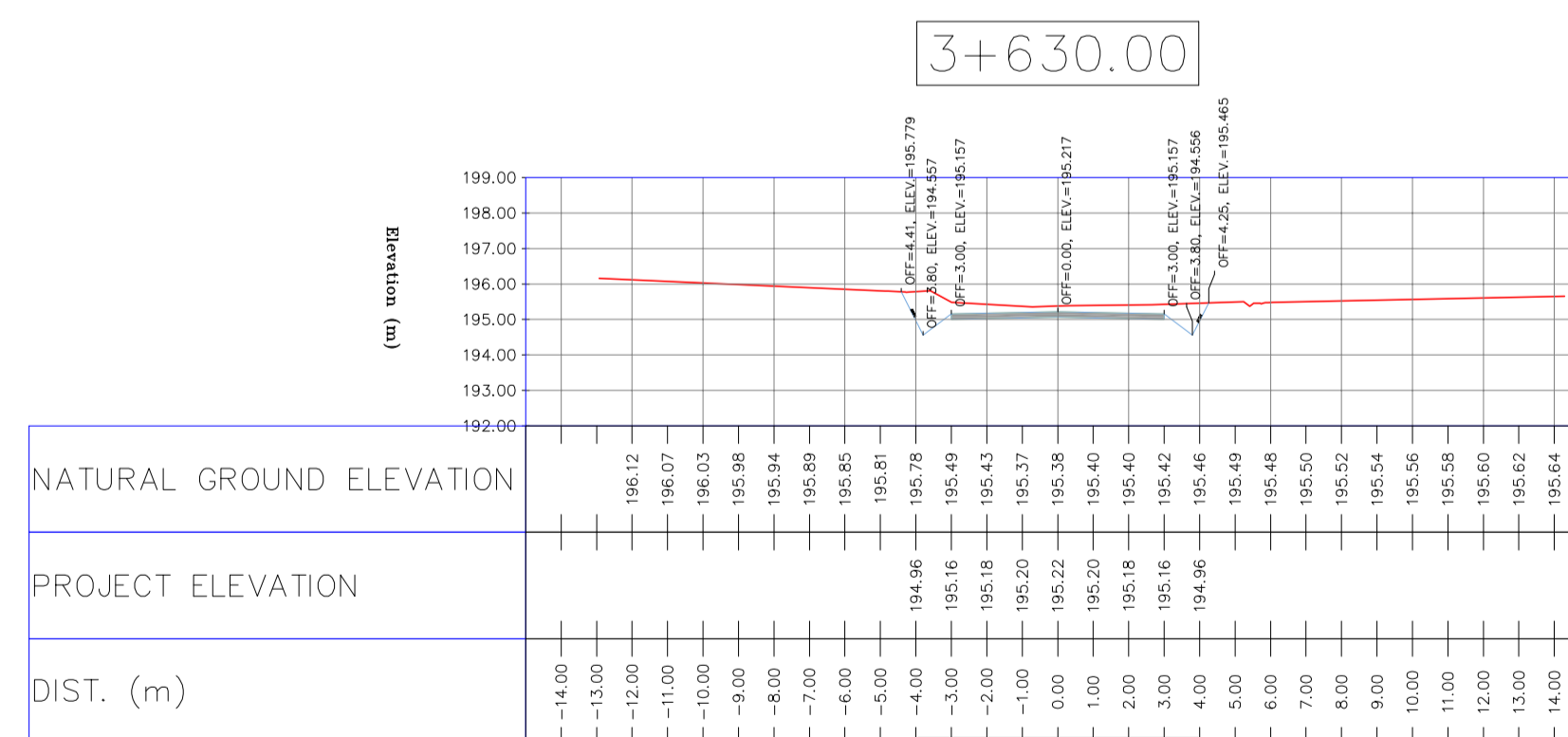
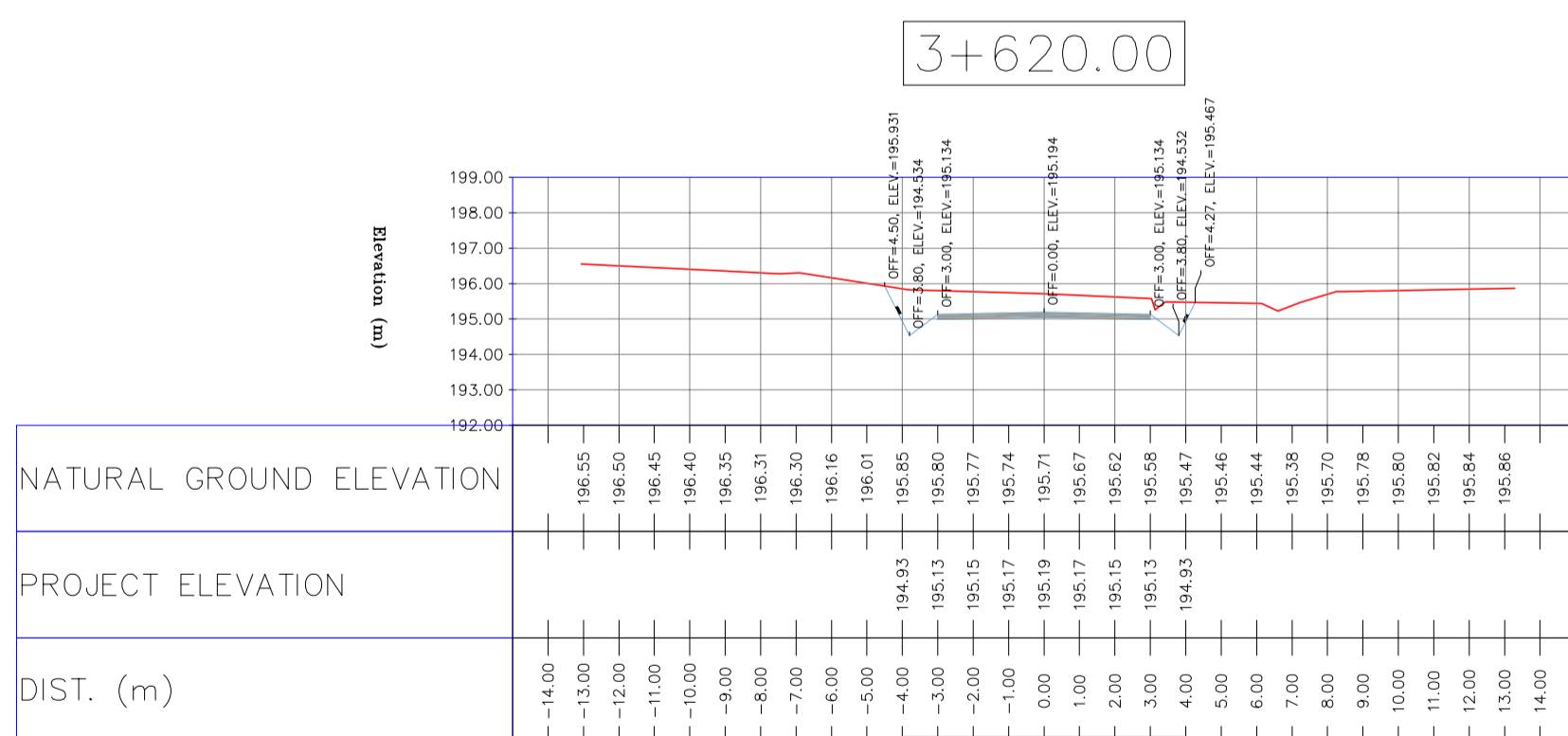
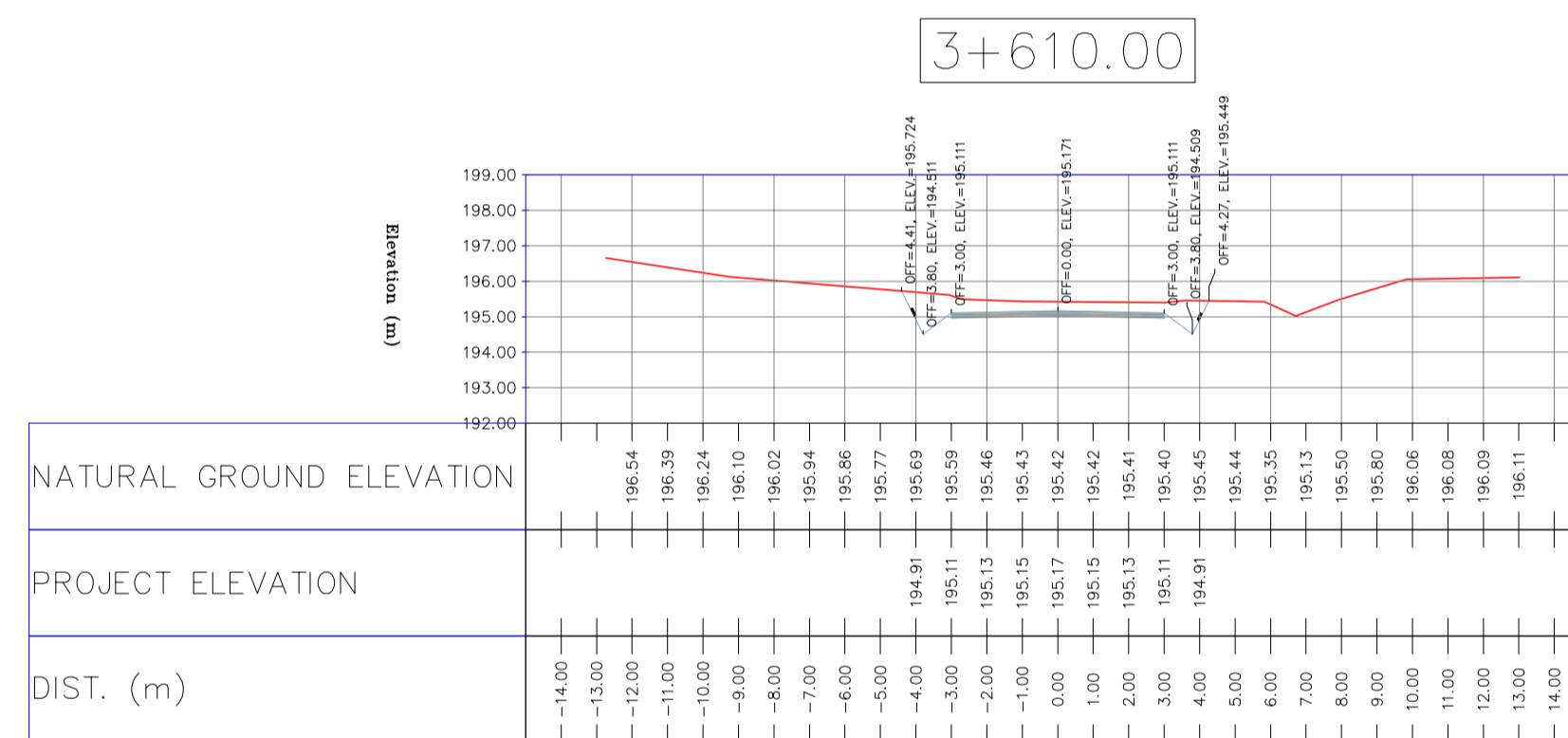
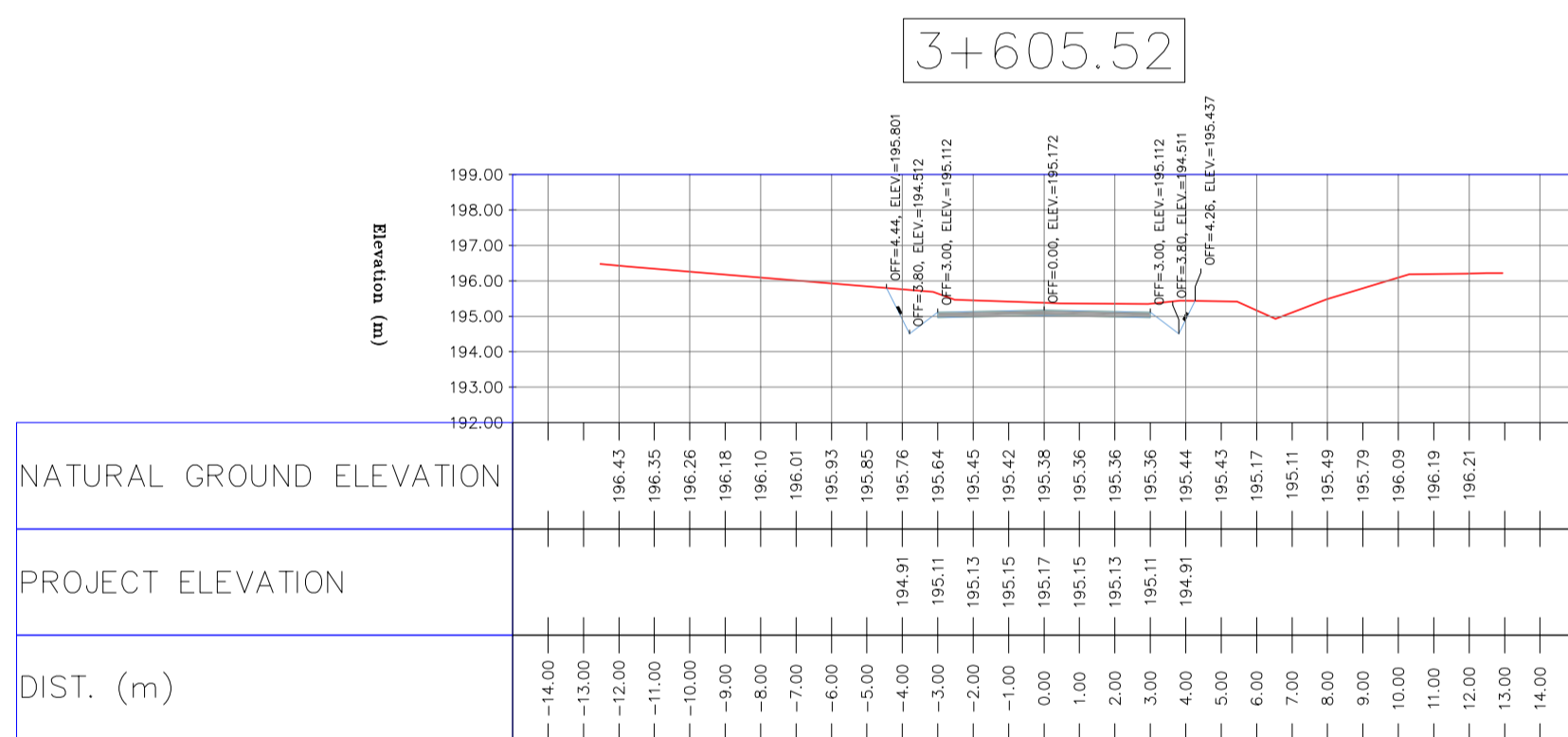
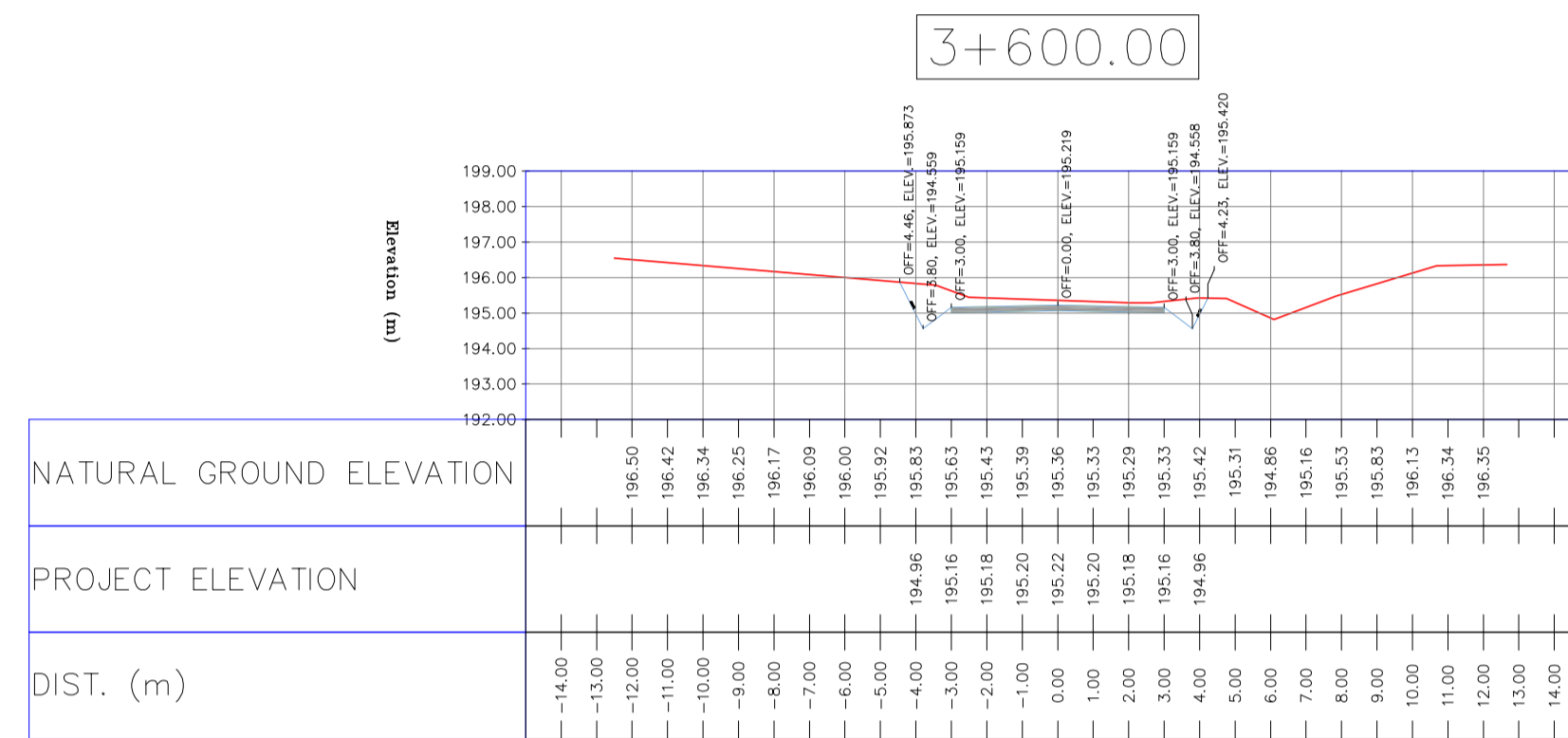
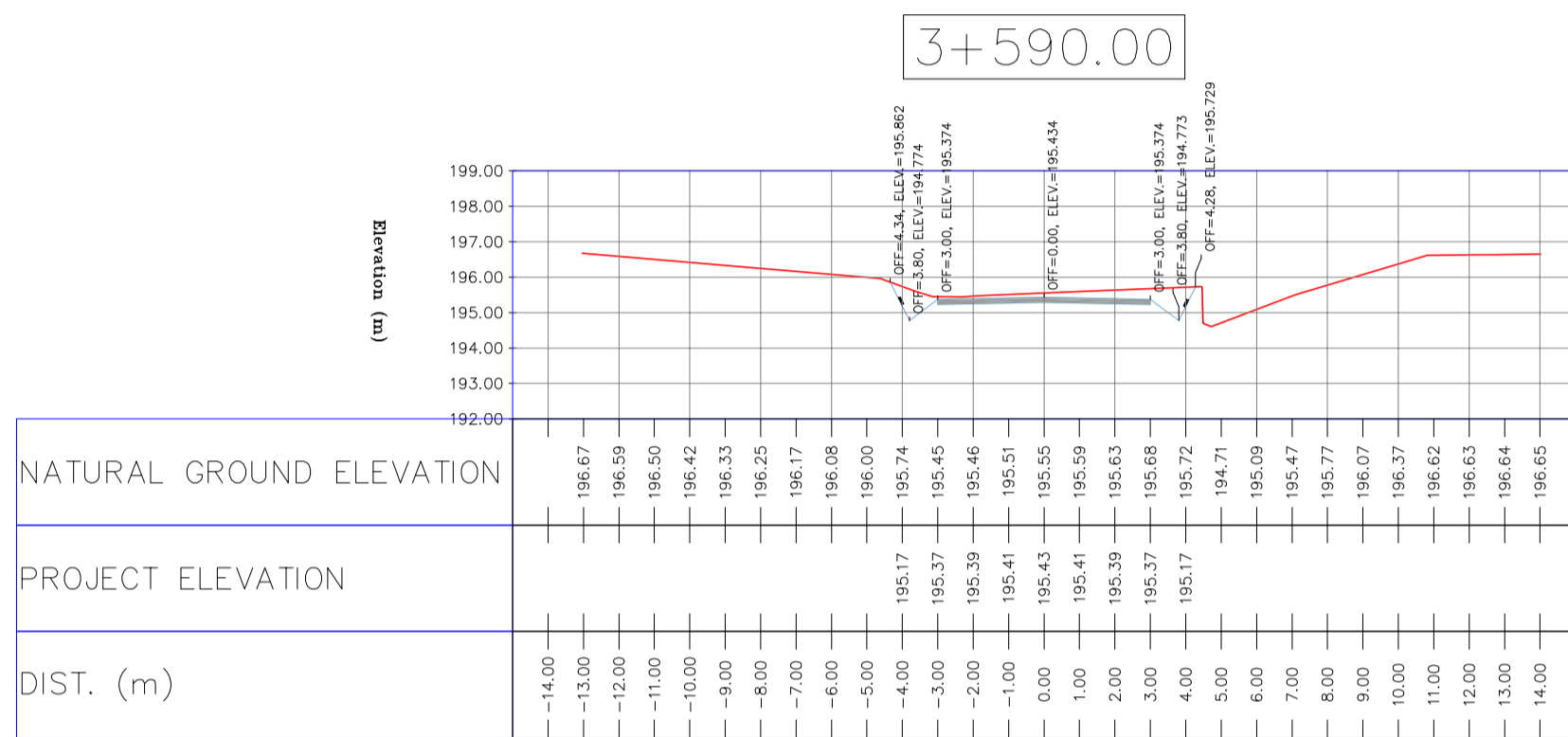
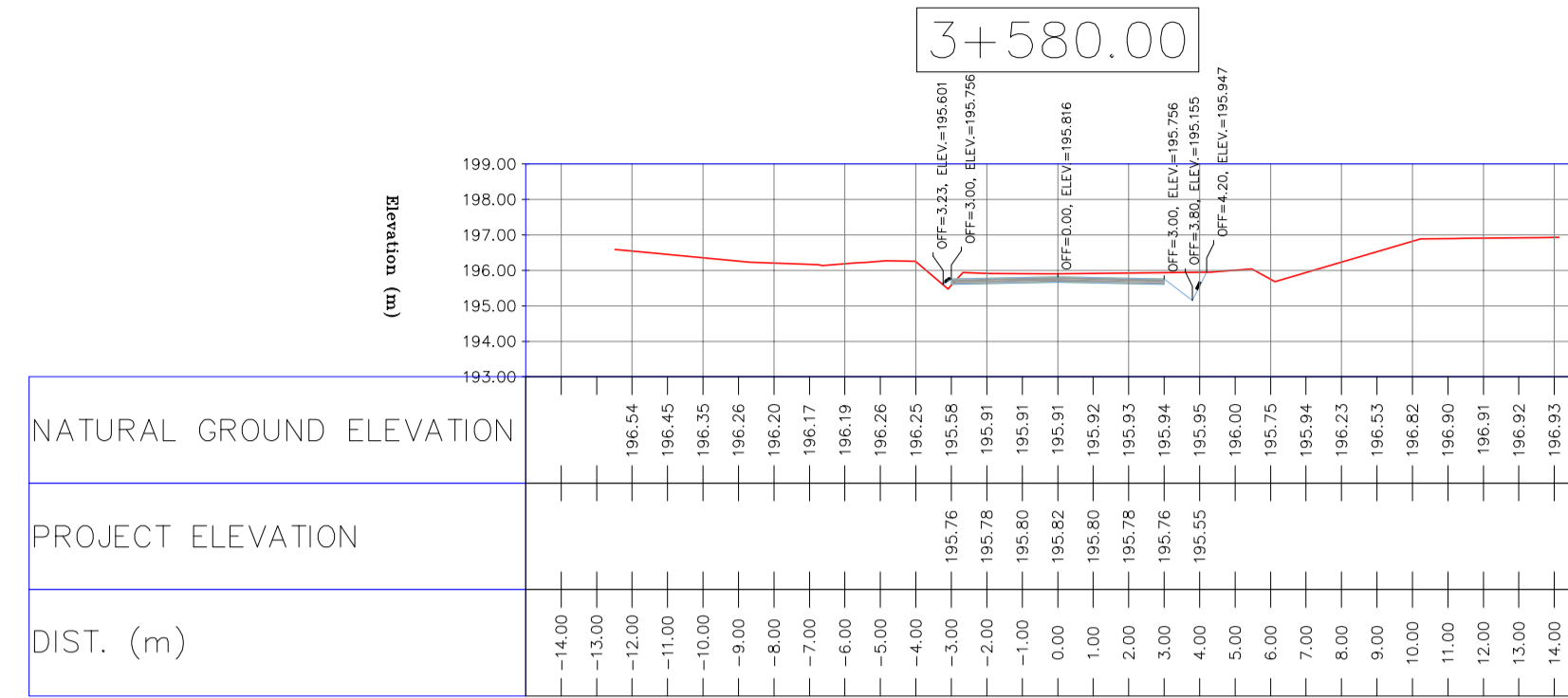
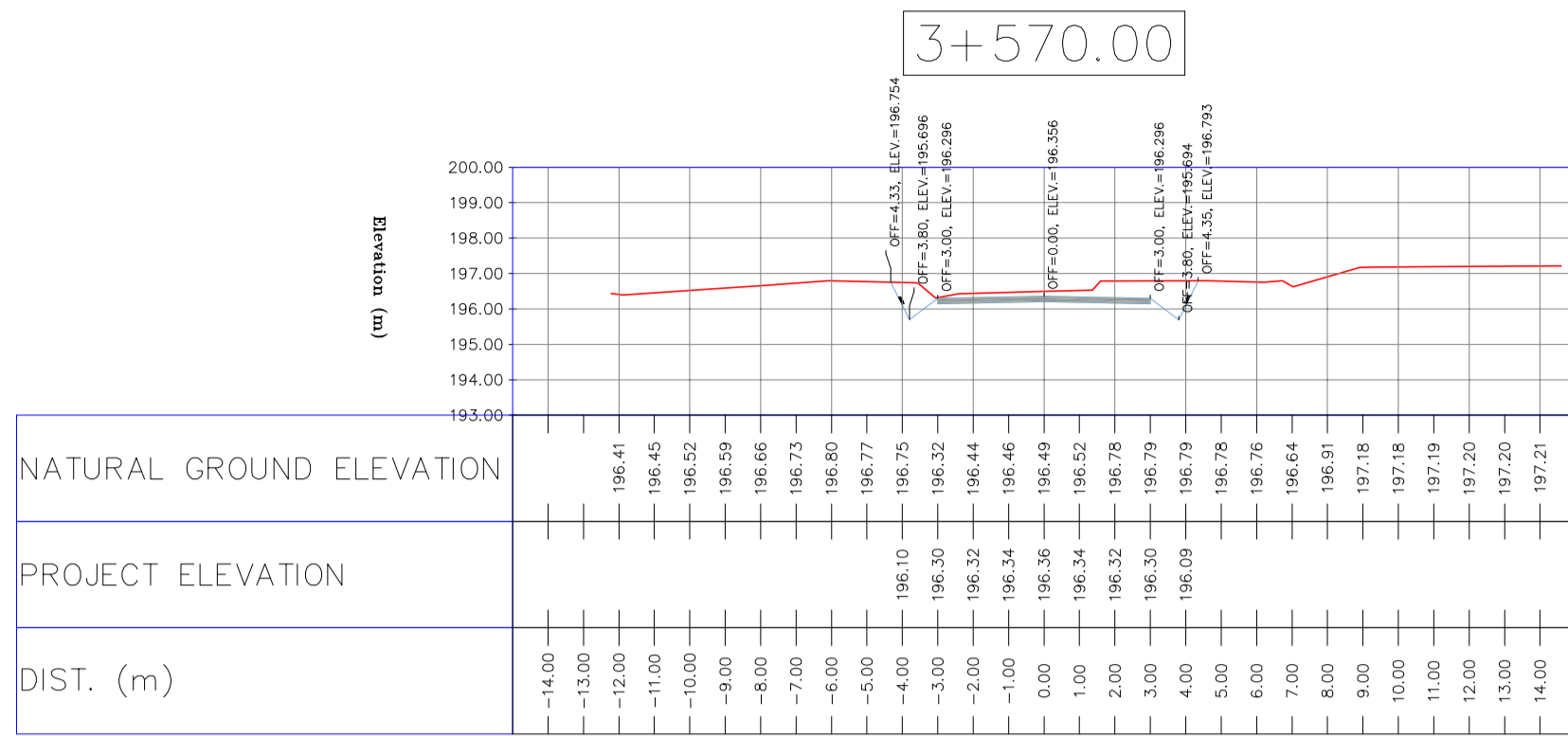




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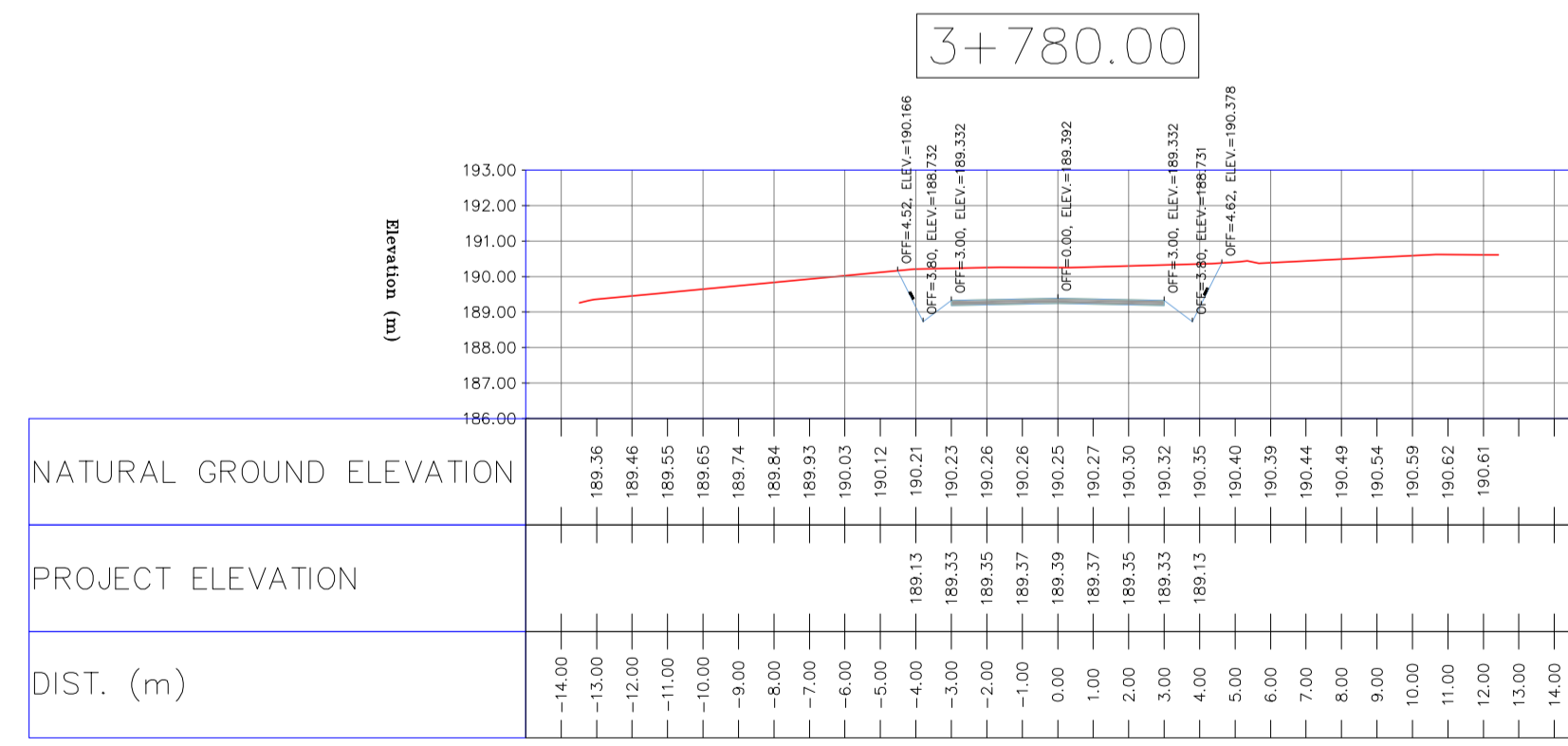
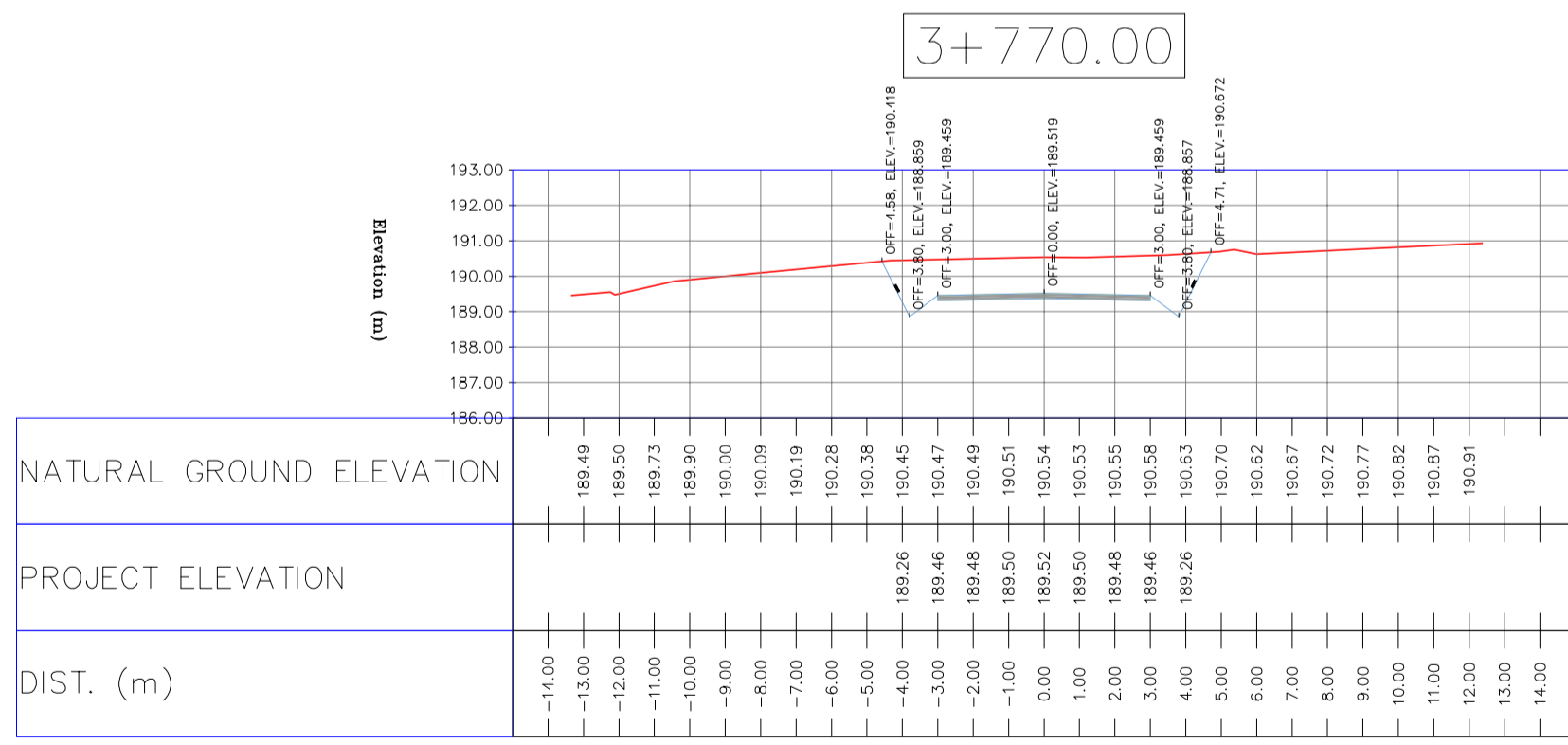
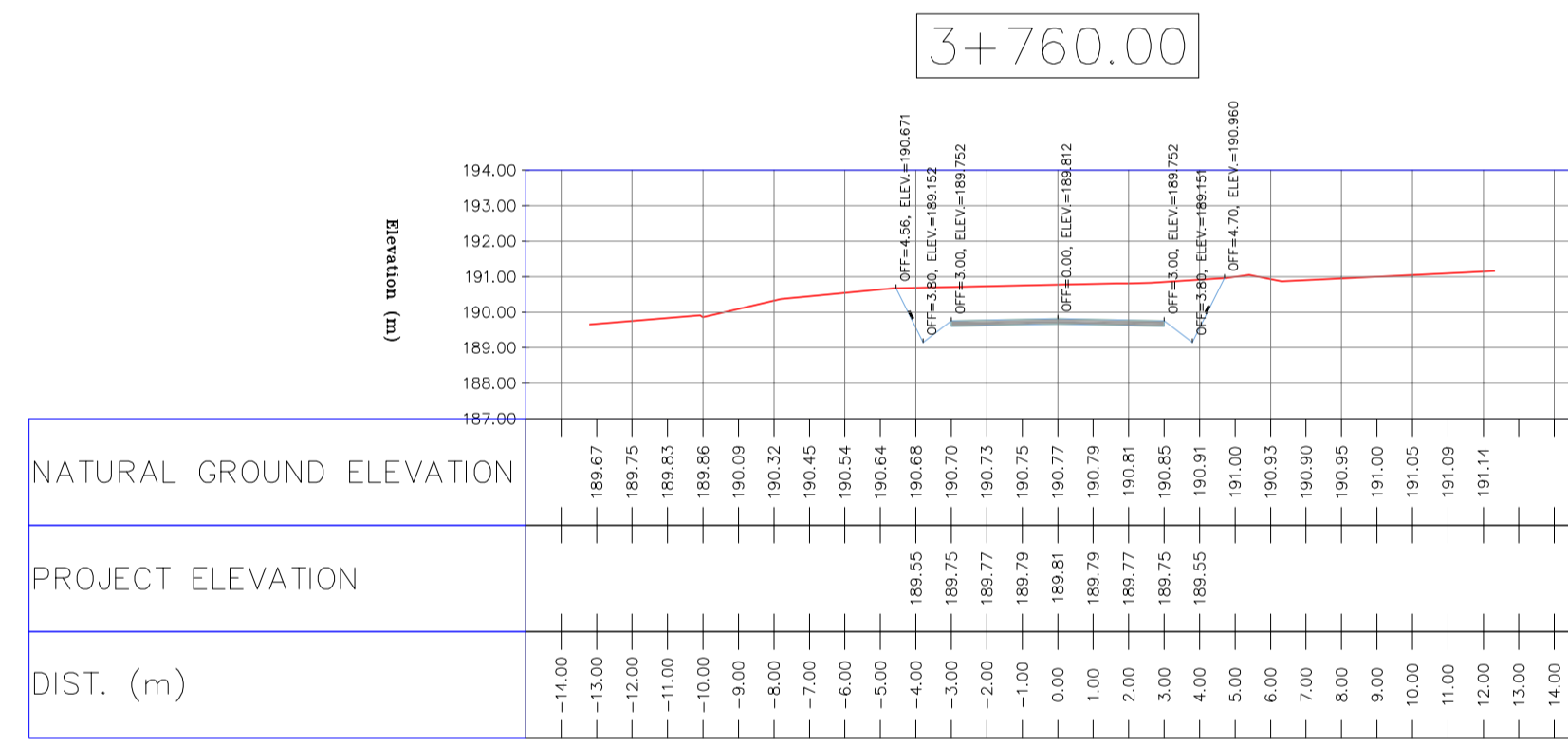
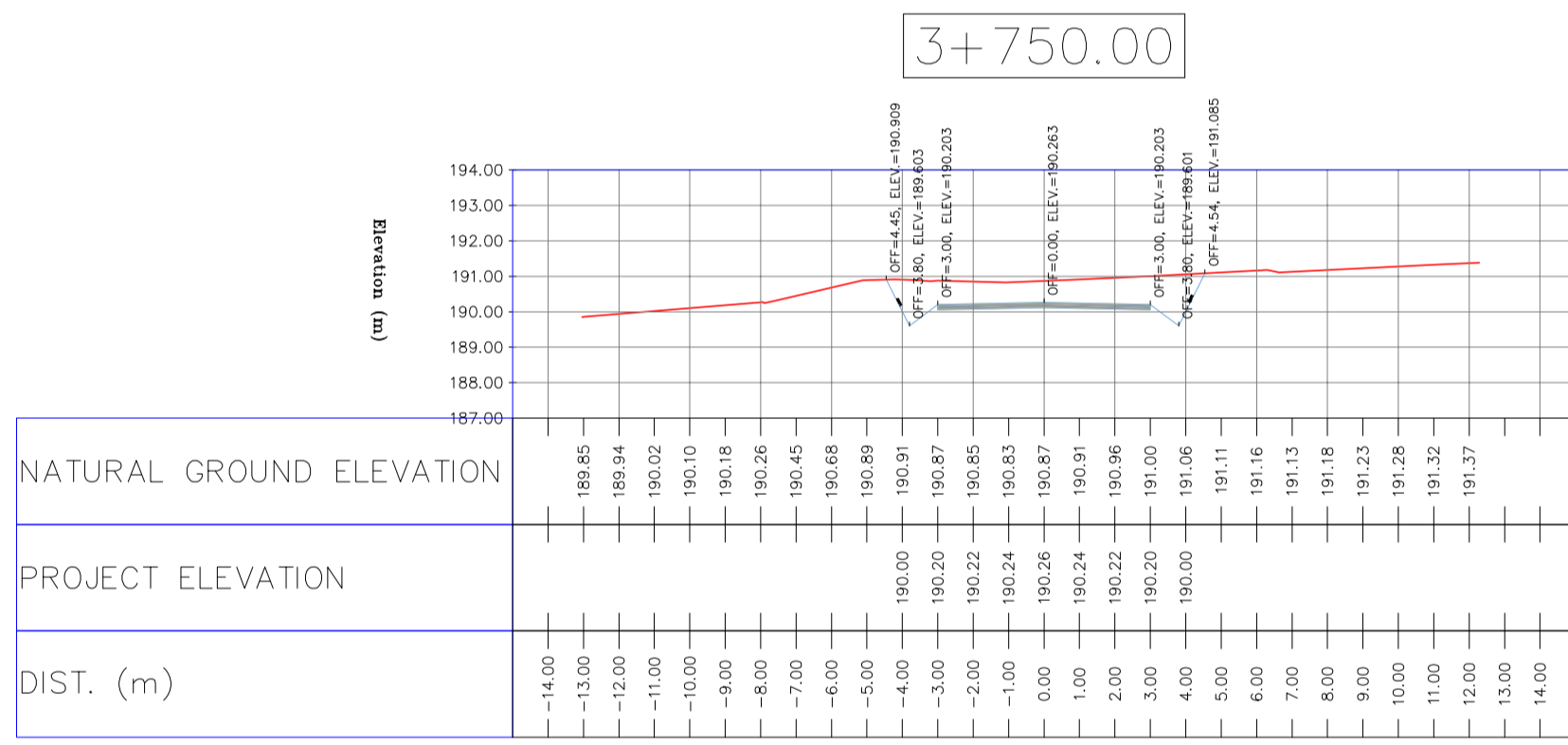
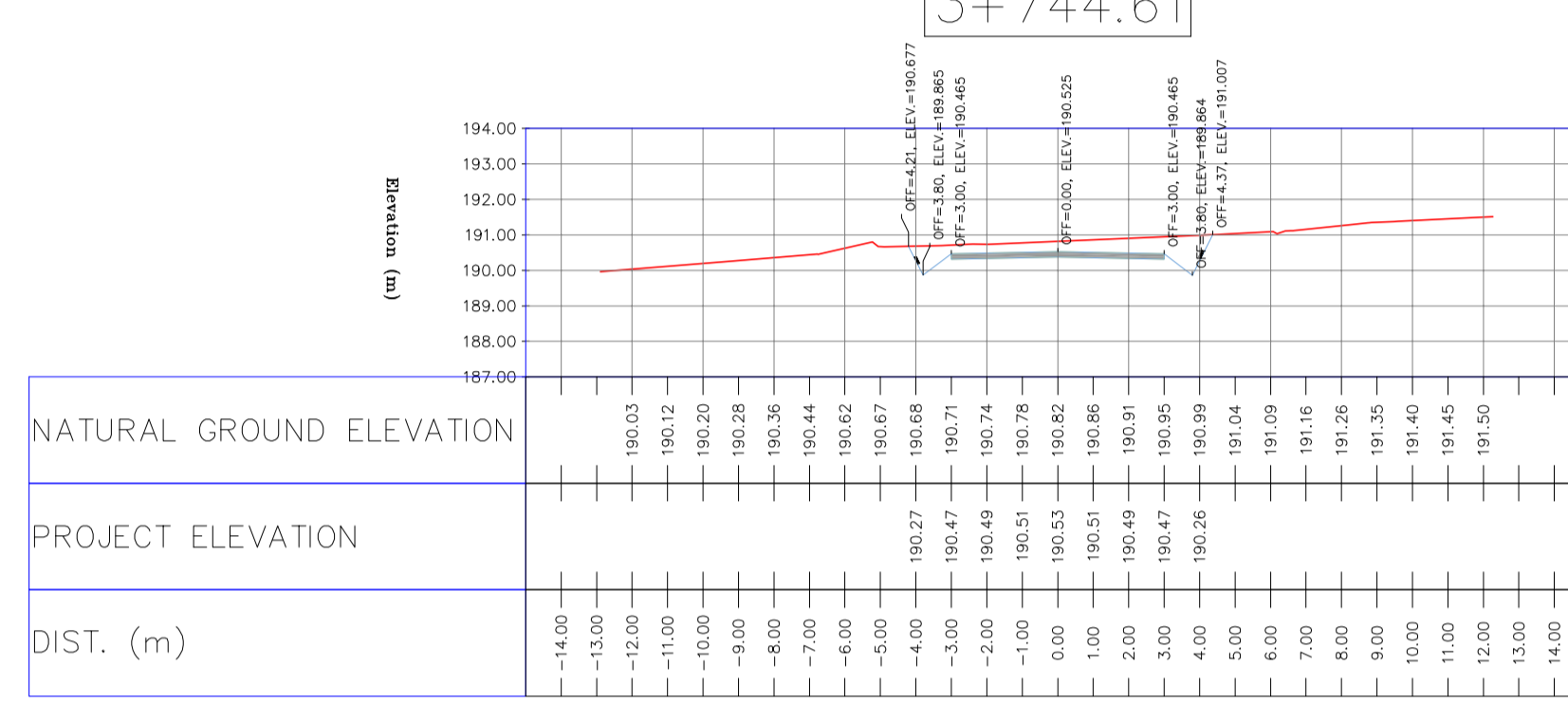
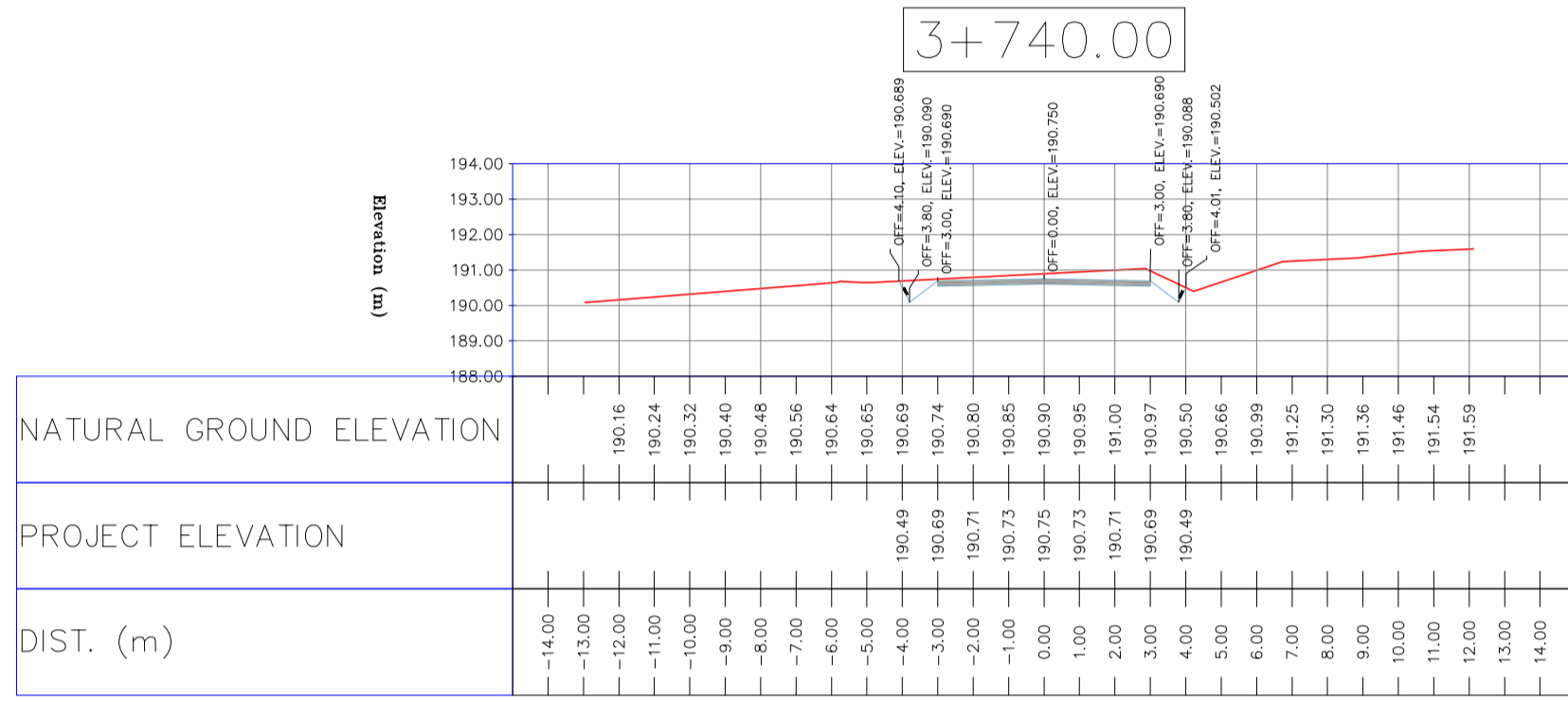
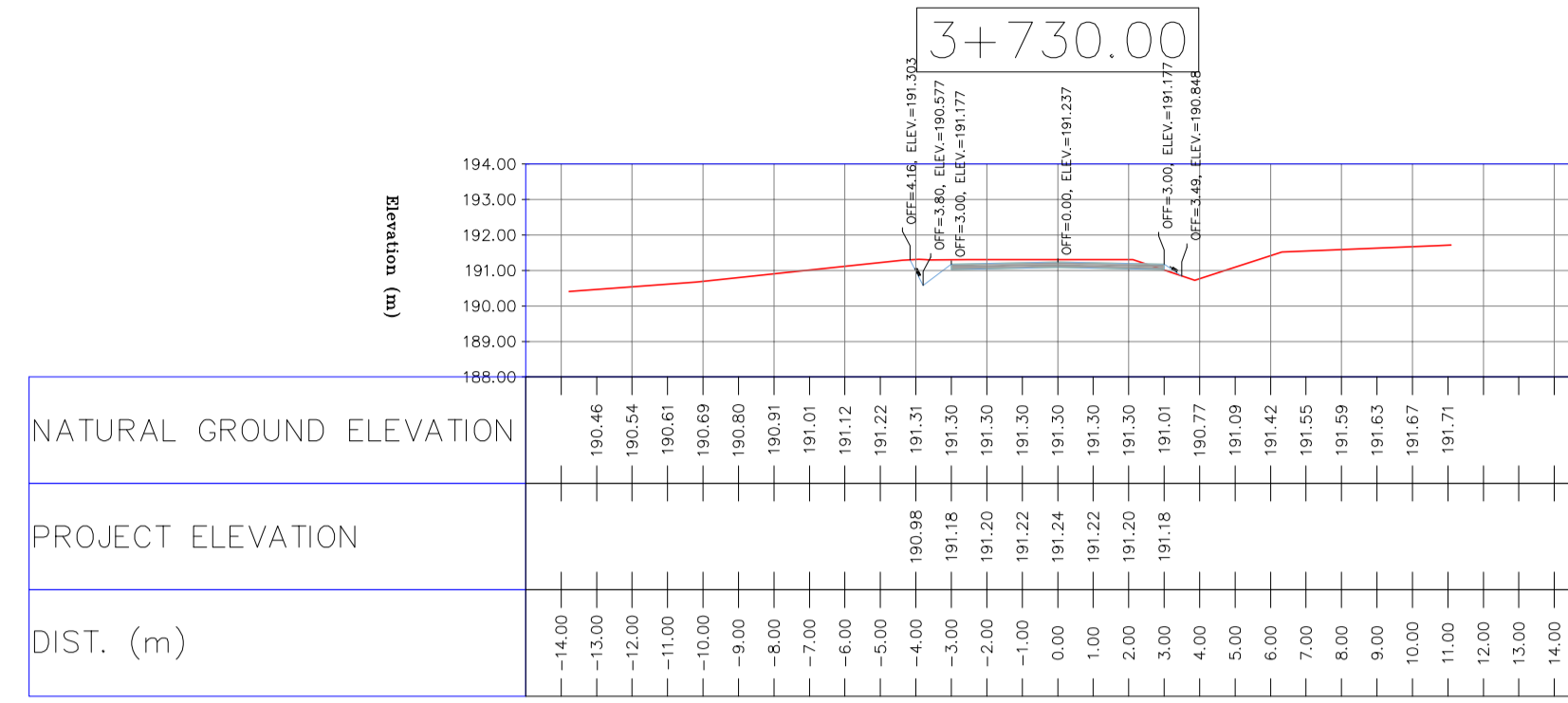
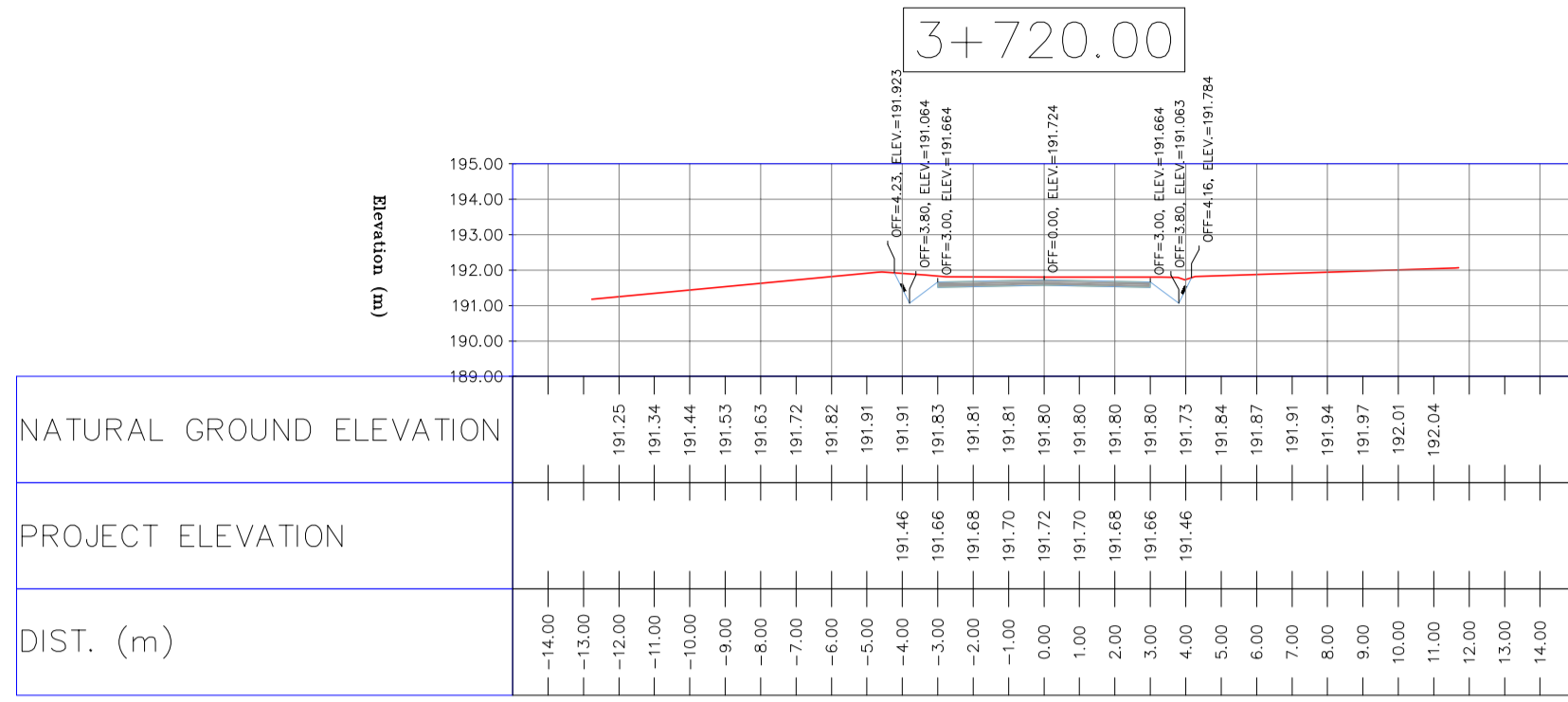


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LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		



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LEGEND

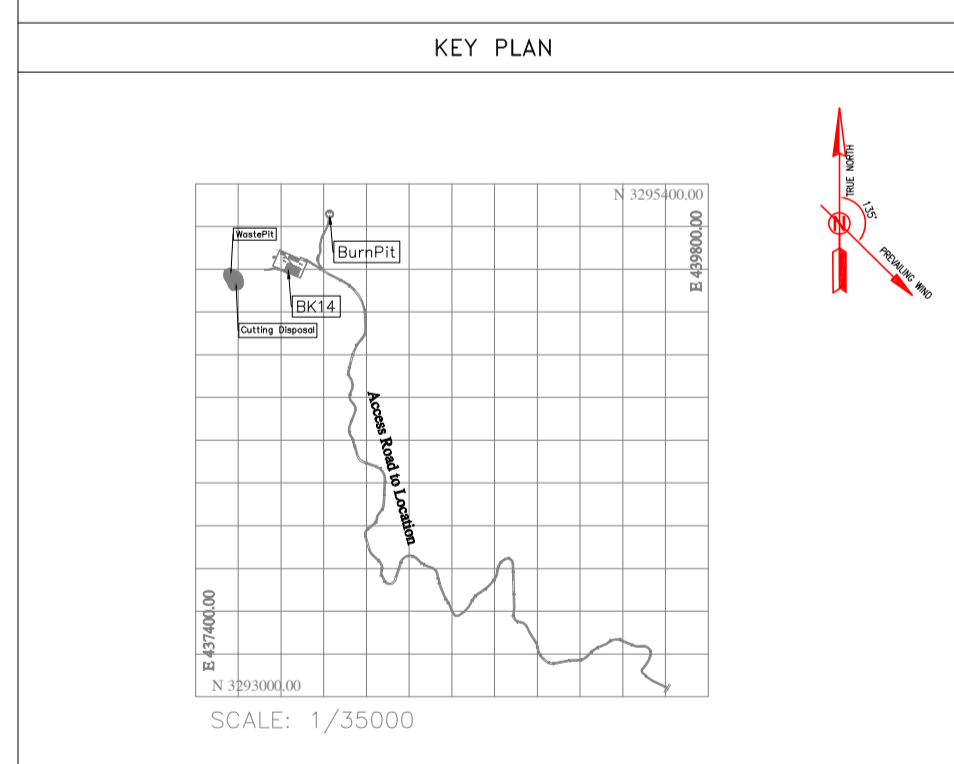
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	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

REFERENCE DRAWING

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General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
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D05	AUG.2023	AFC	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***

اخذ و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب می باشد.

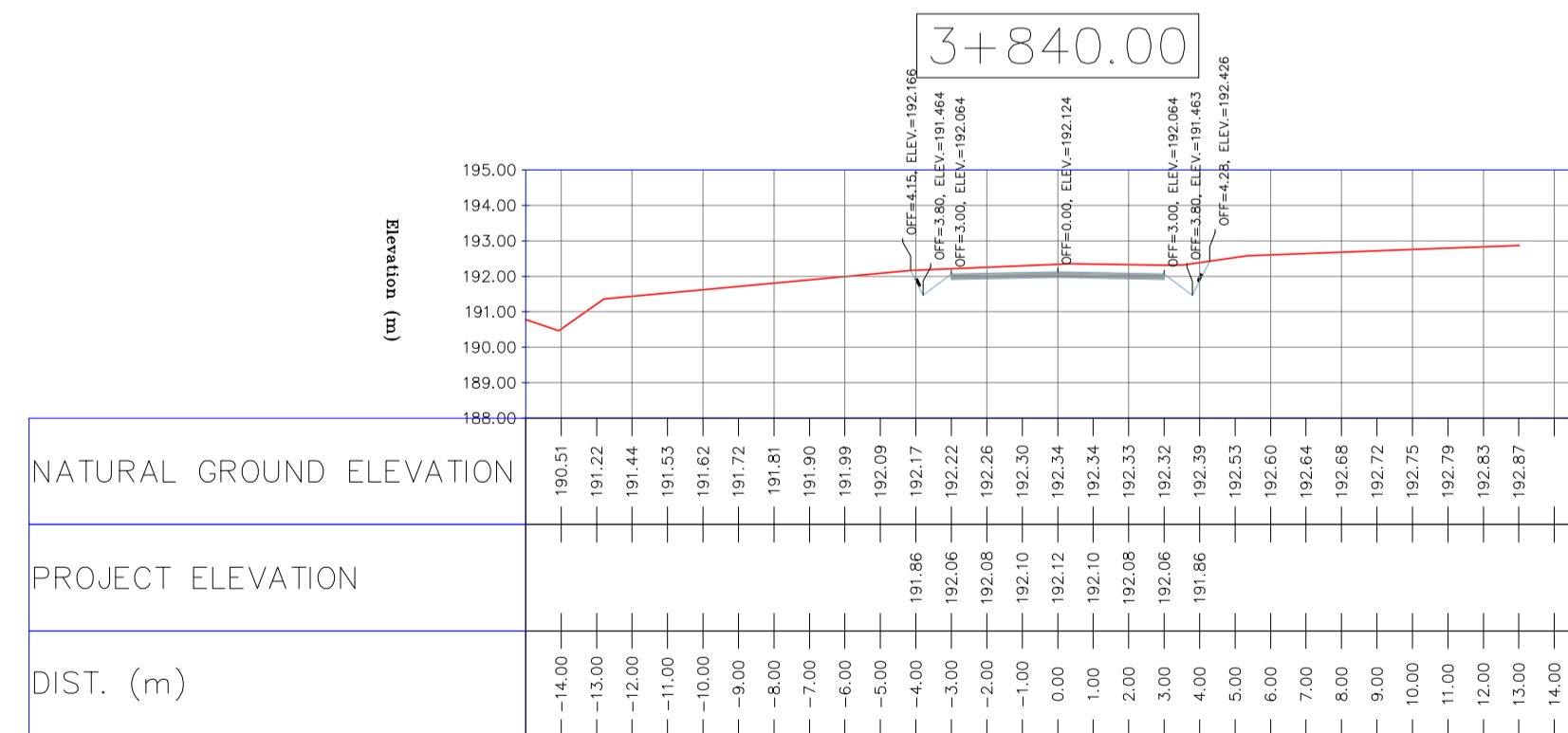
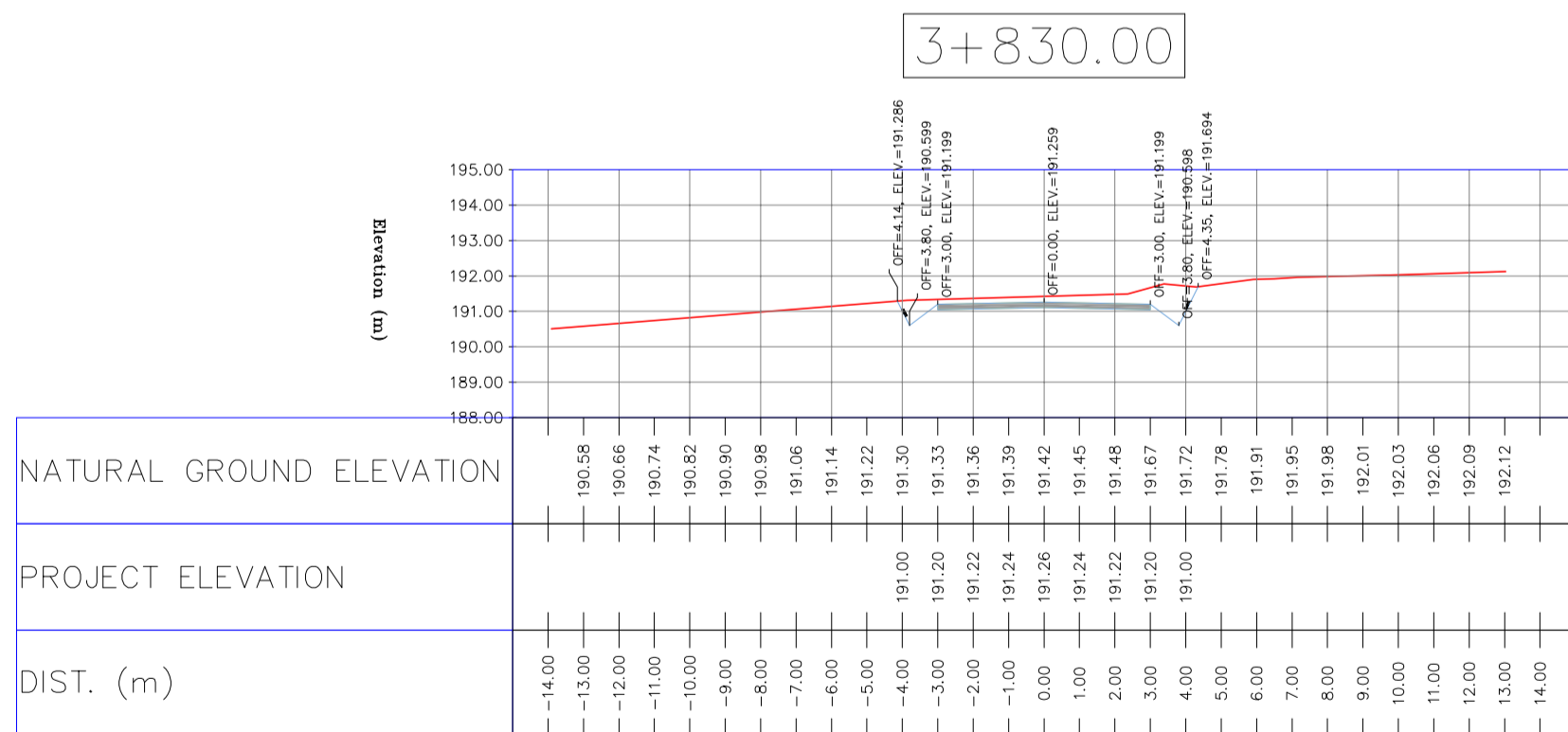
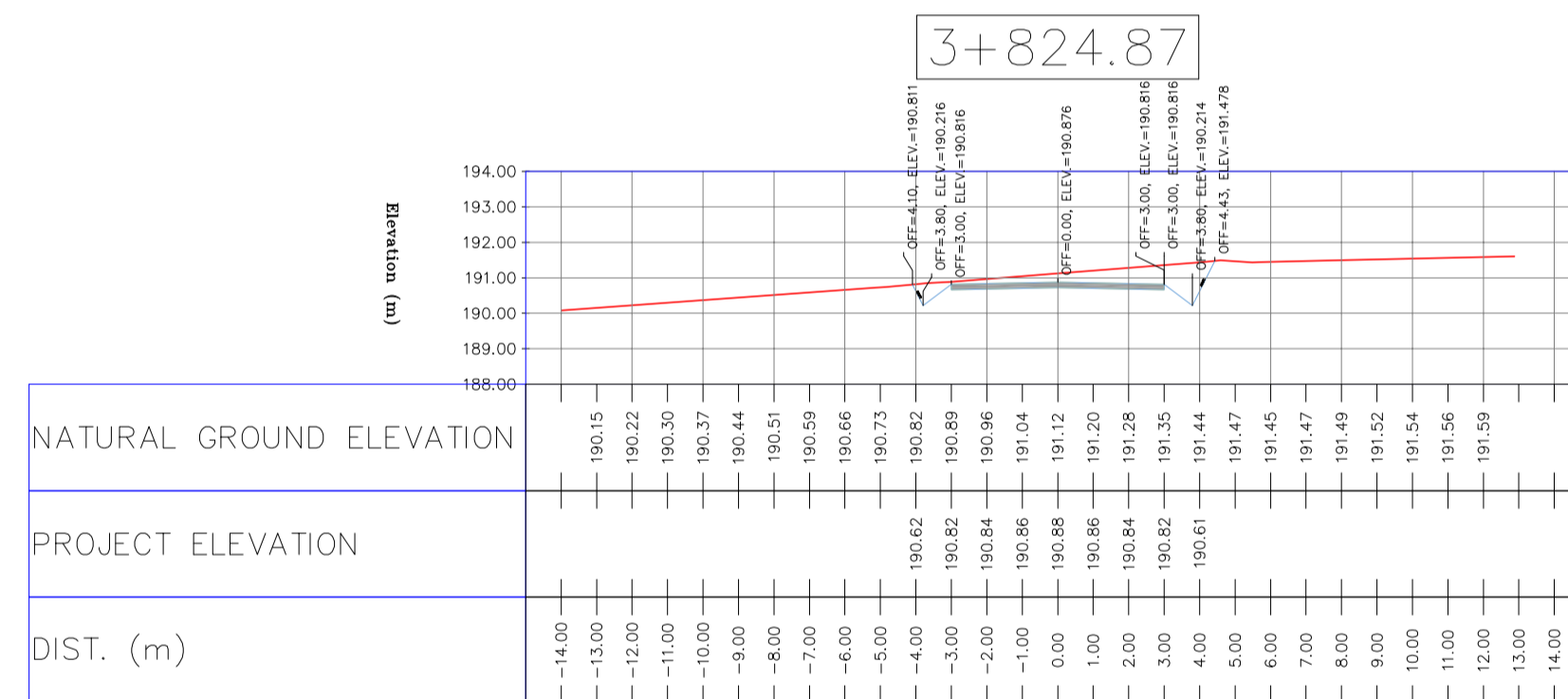
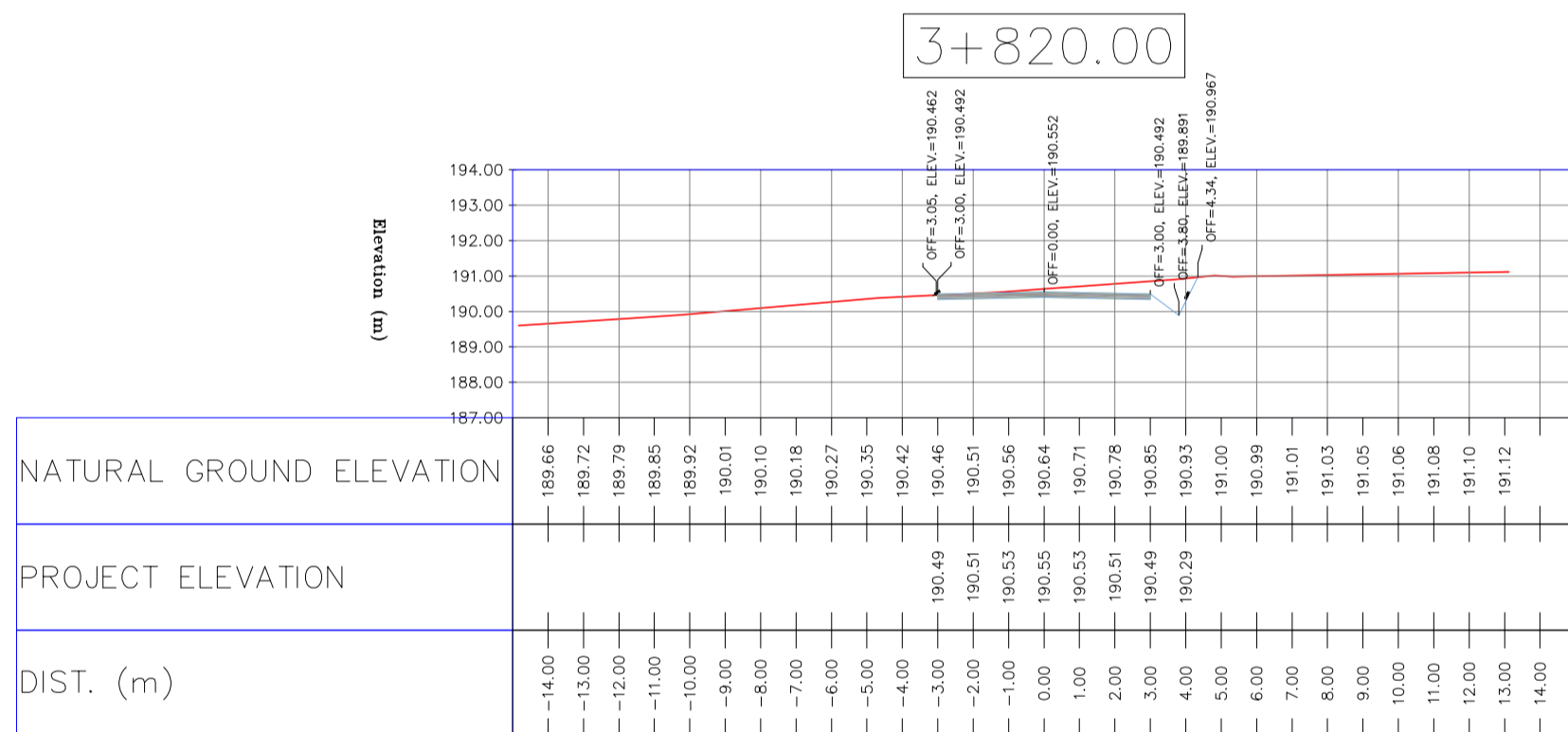
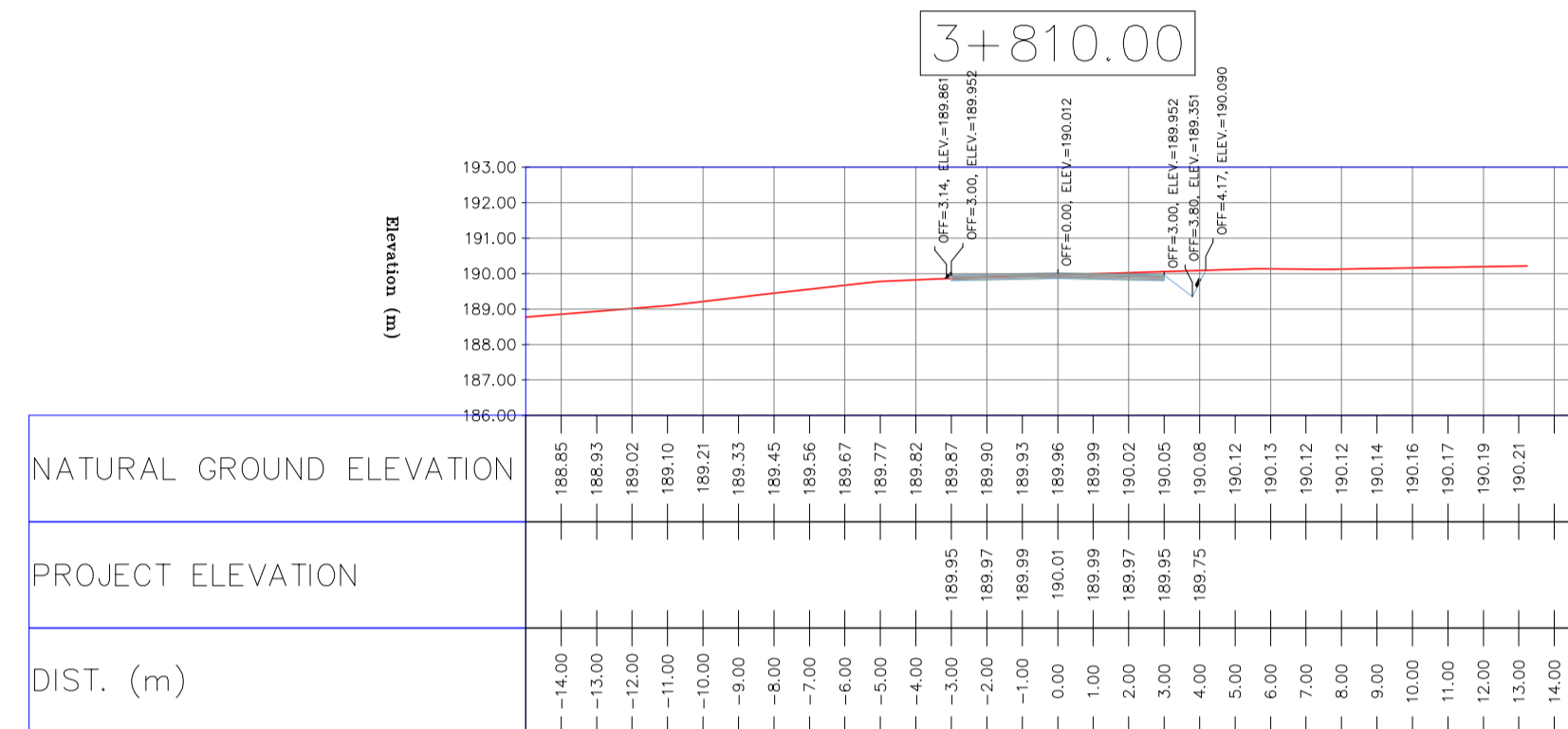
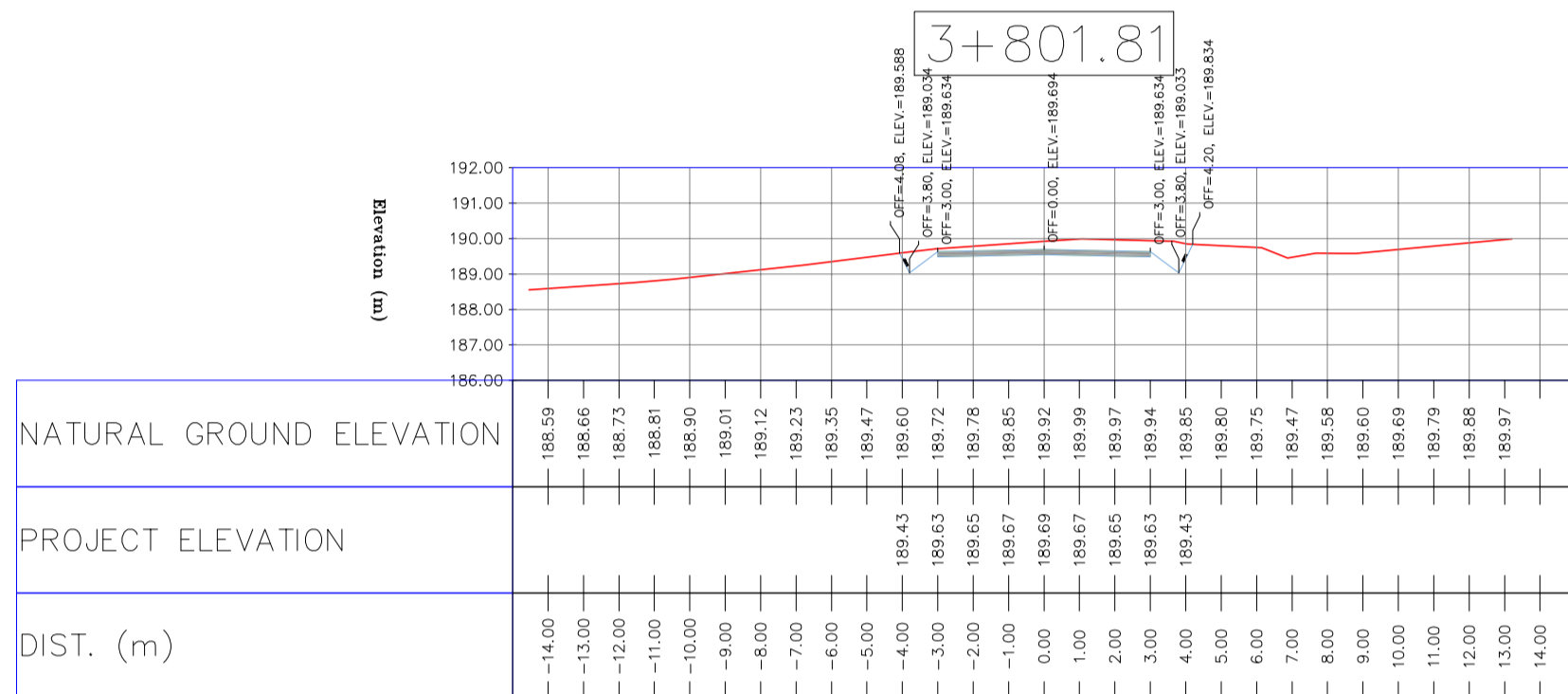
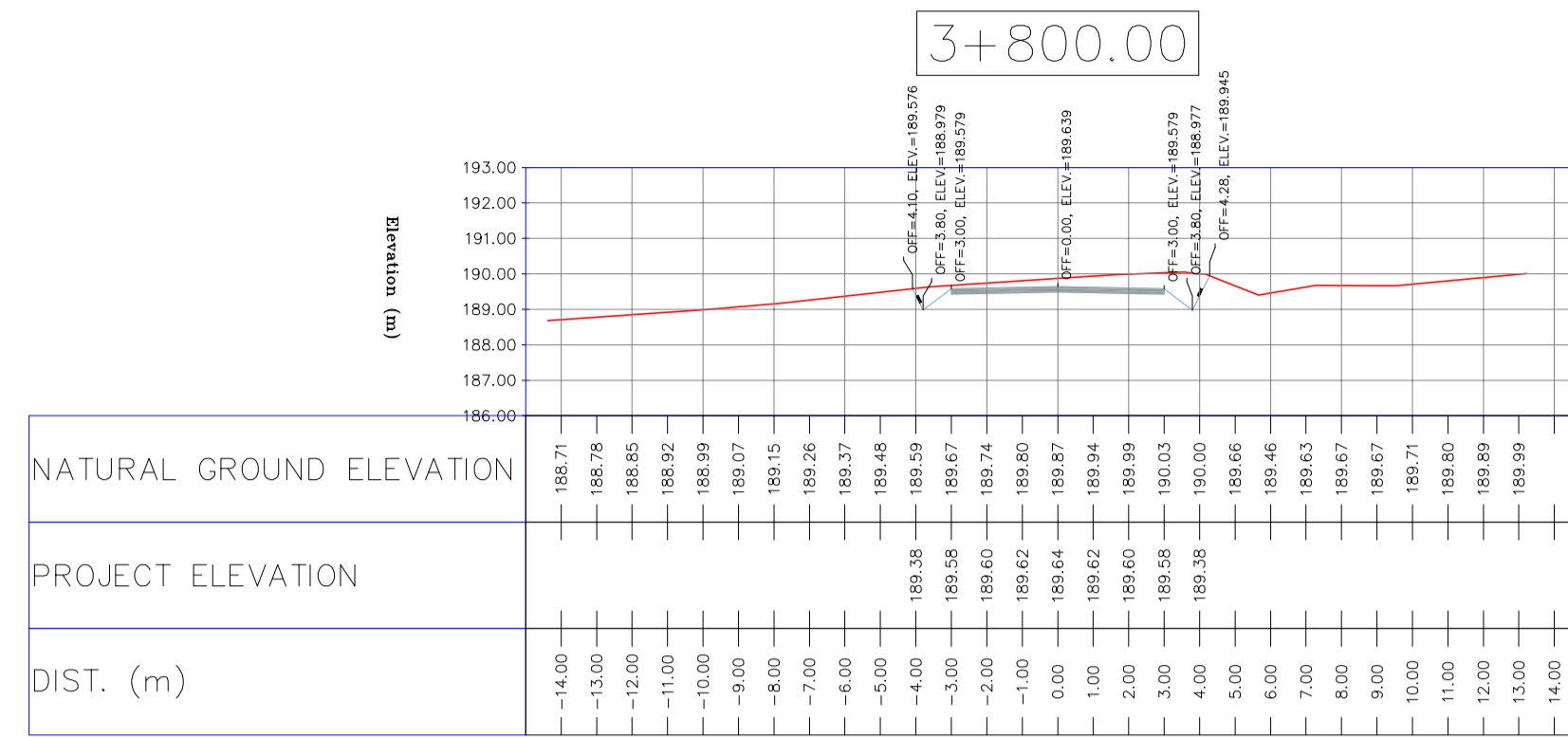
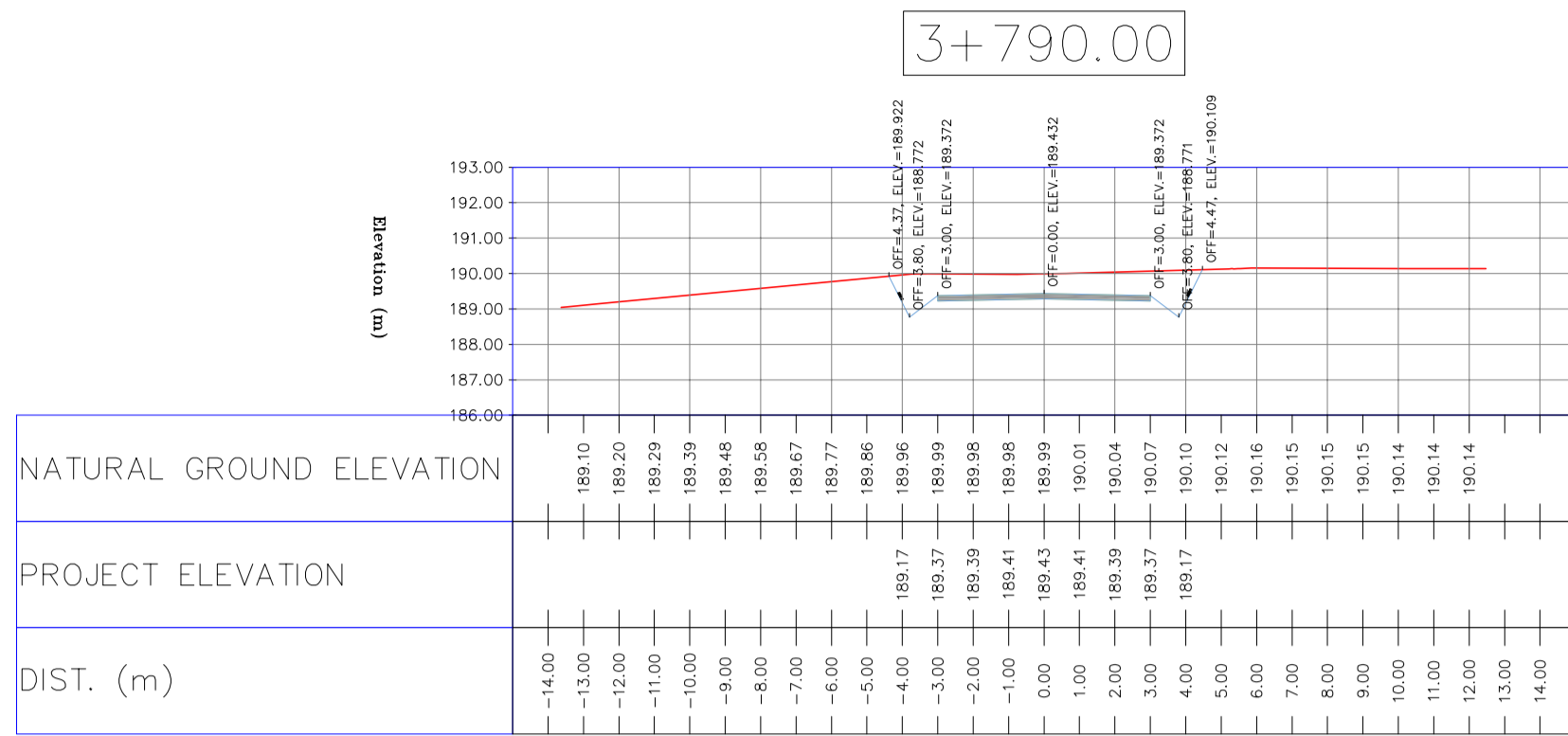
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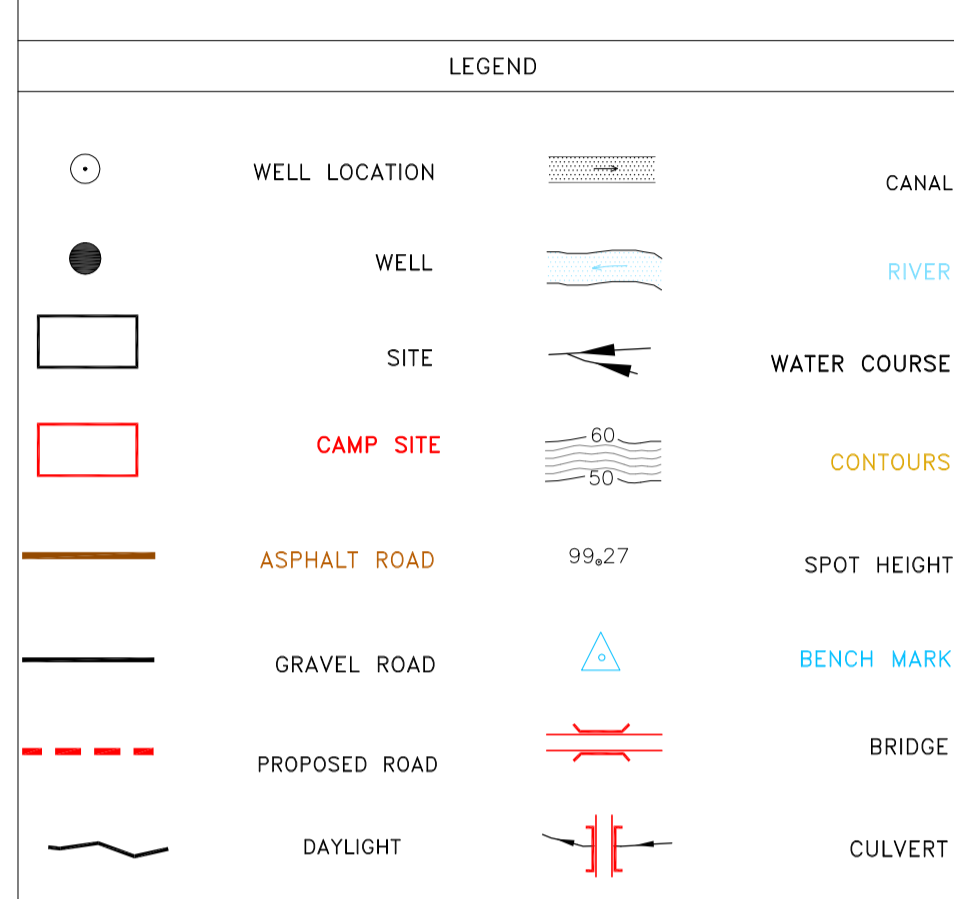
APPROVED FOR CONSTRUCTION	BY:	DATE:

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	83 OF 99	D05	053-073-9184	F	4	S	708209	83	D05



NOTES

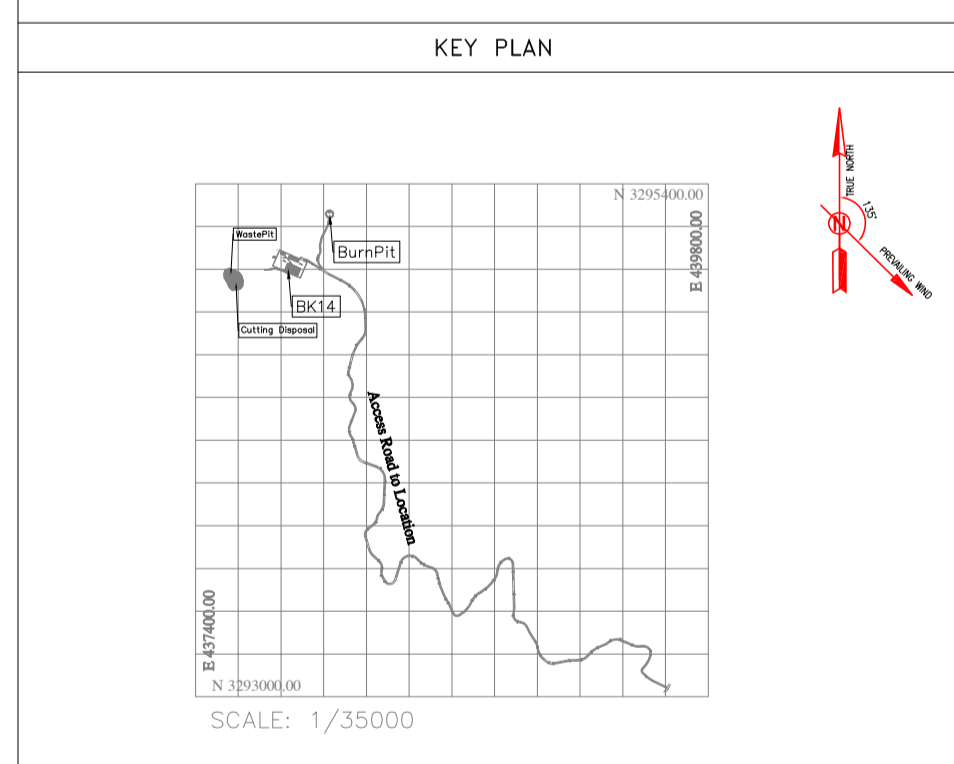
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PROJECT NAME: BINAK OILFIELD DEVELOPMENT/SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

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

SCALE: H=1:200, V=1:200

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

SHEET NO. 84 OF 99

REV. D05

BUDGET REF. 053-073-9184

LOCATION F

SIZE 4

CLASS S

SERIAL NO. 708209

SHEET 84

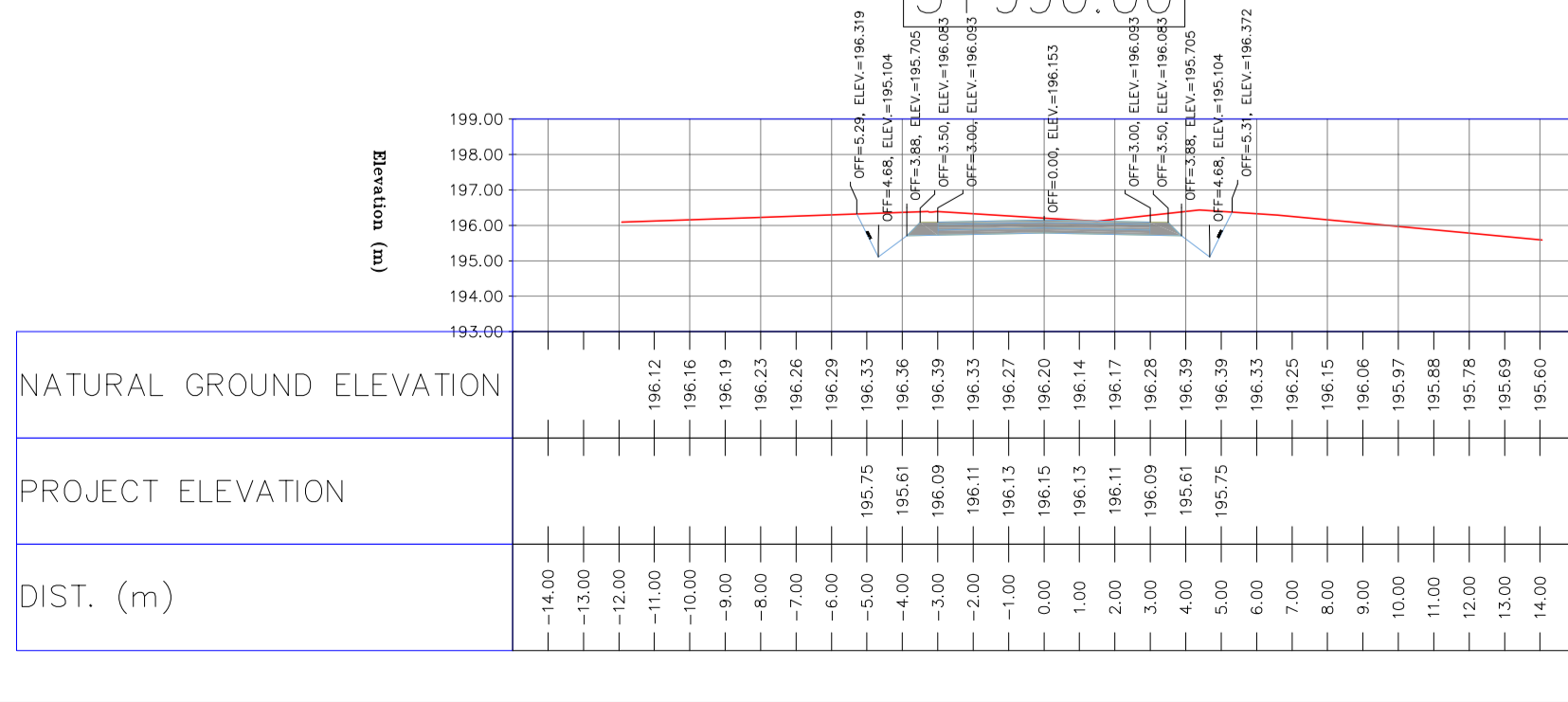
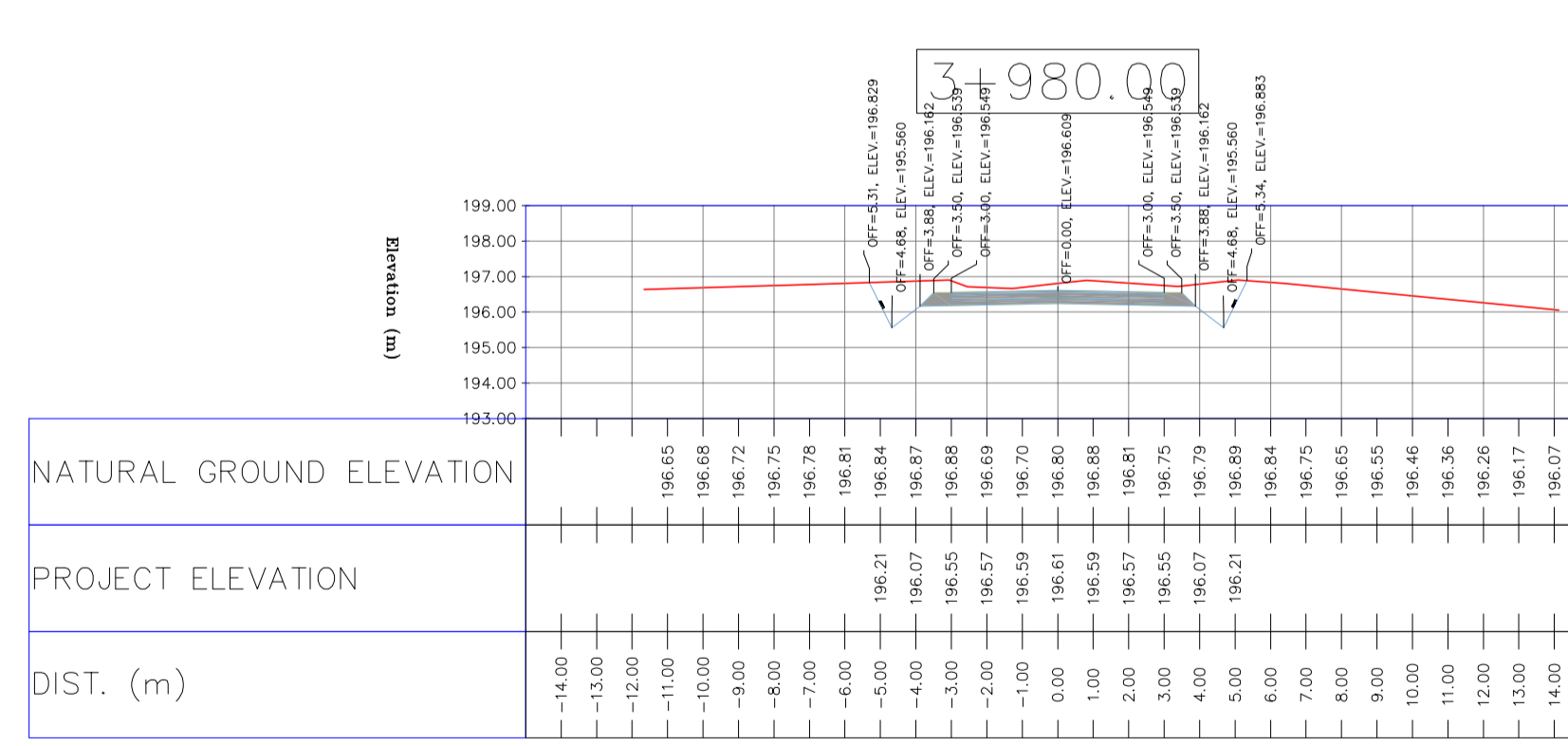
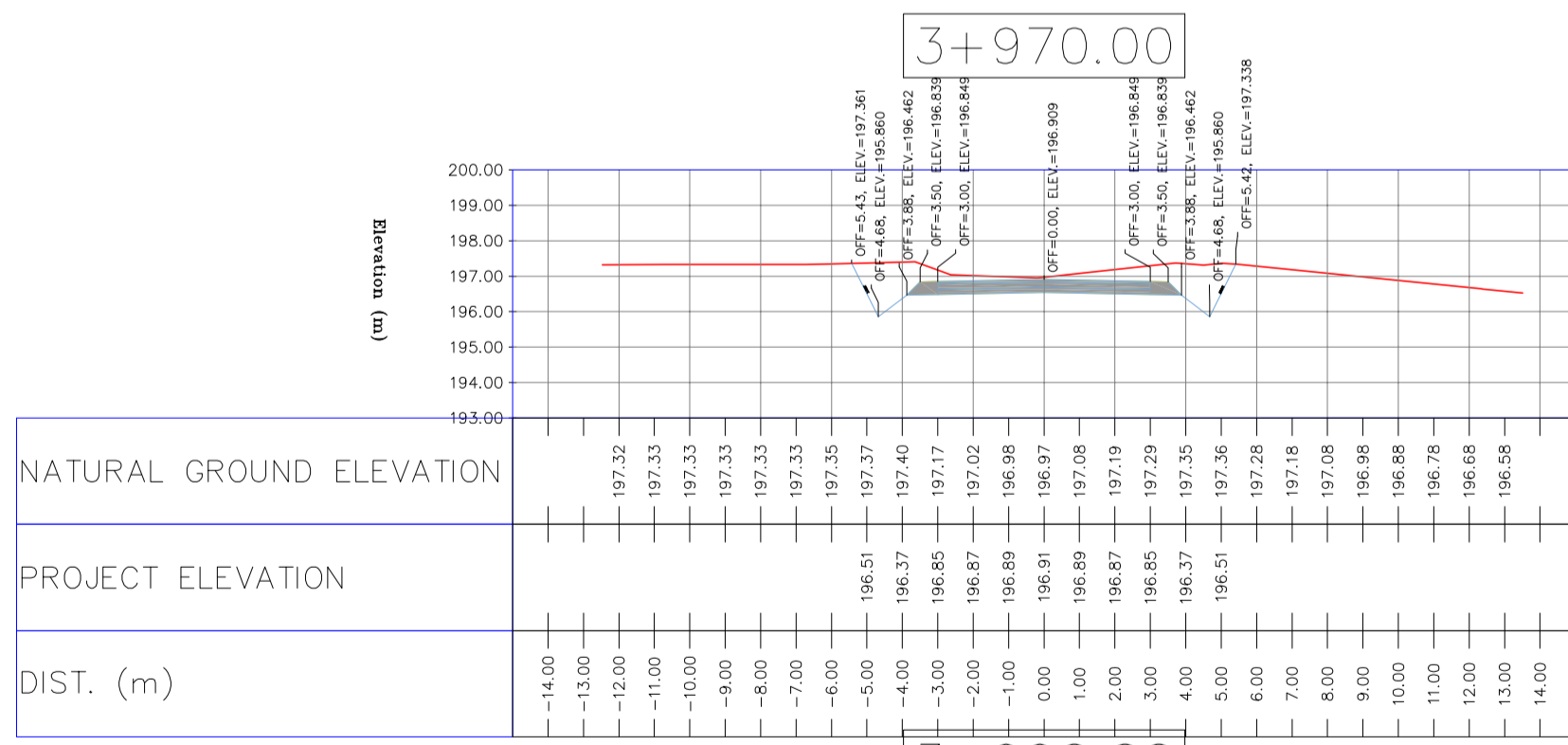
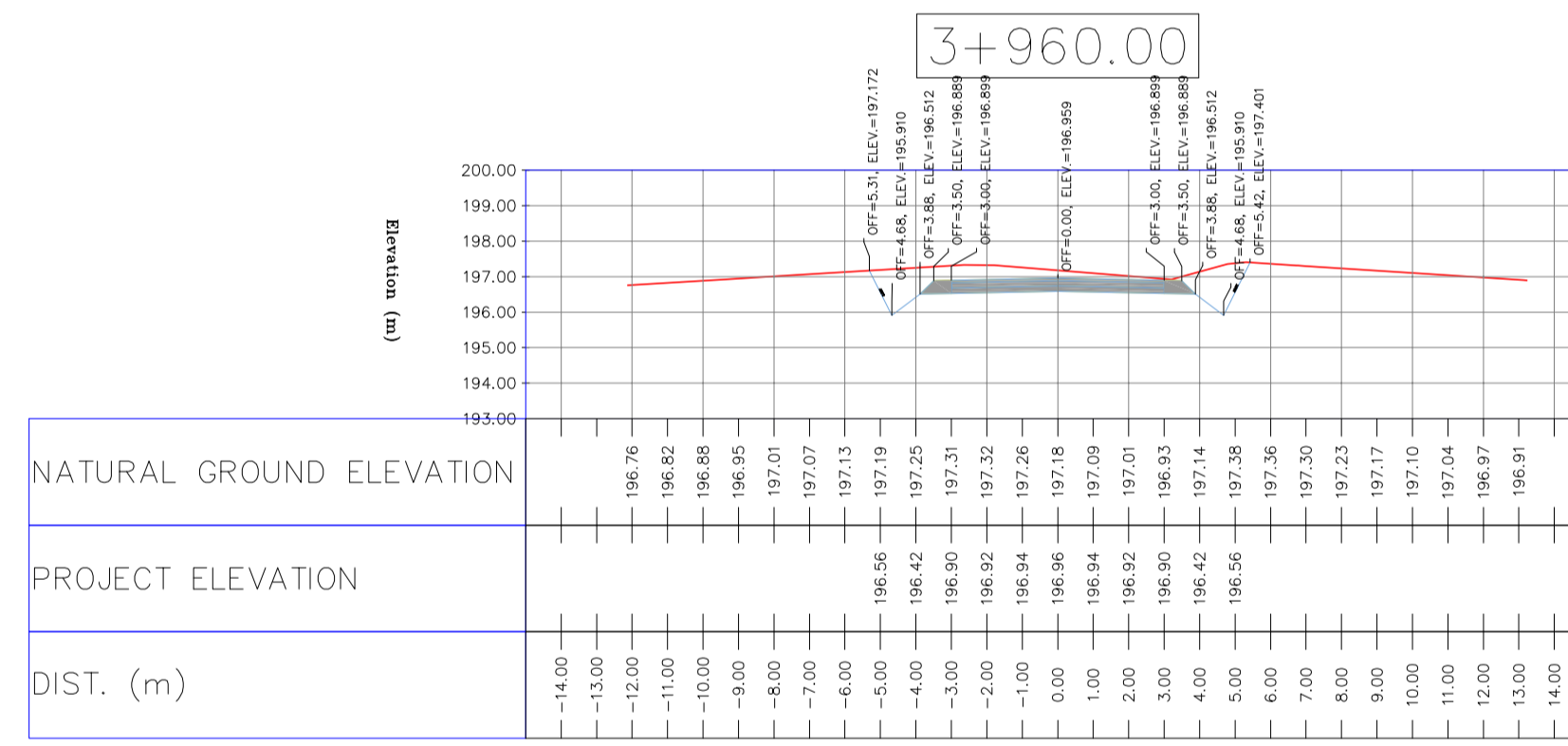
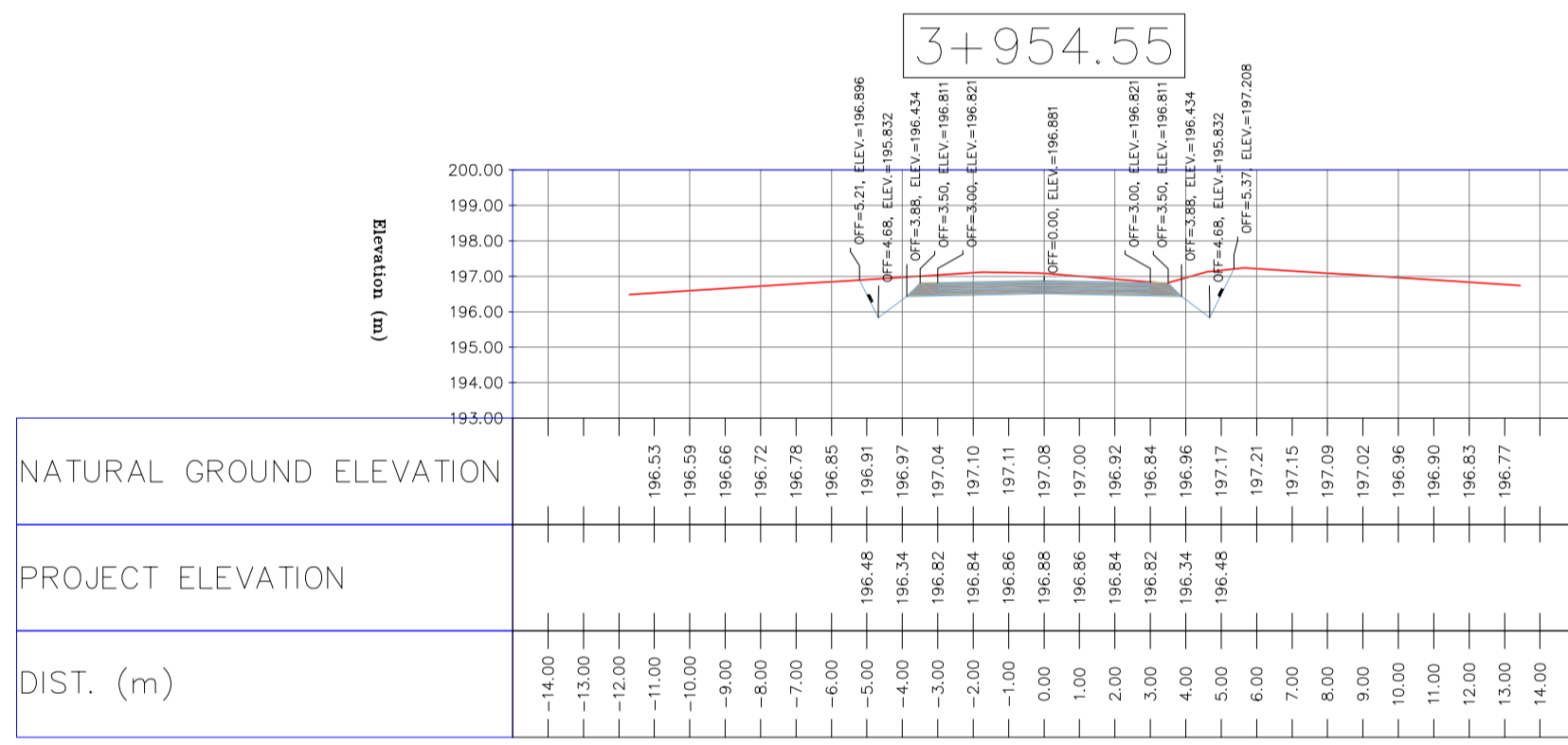
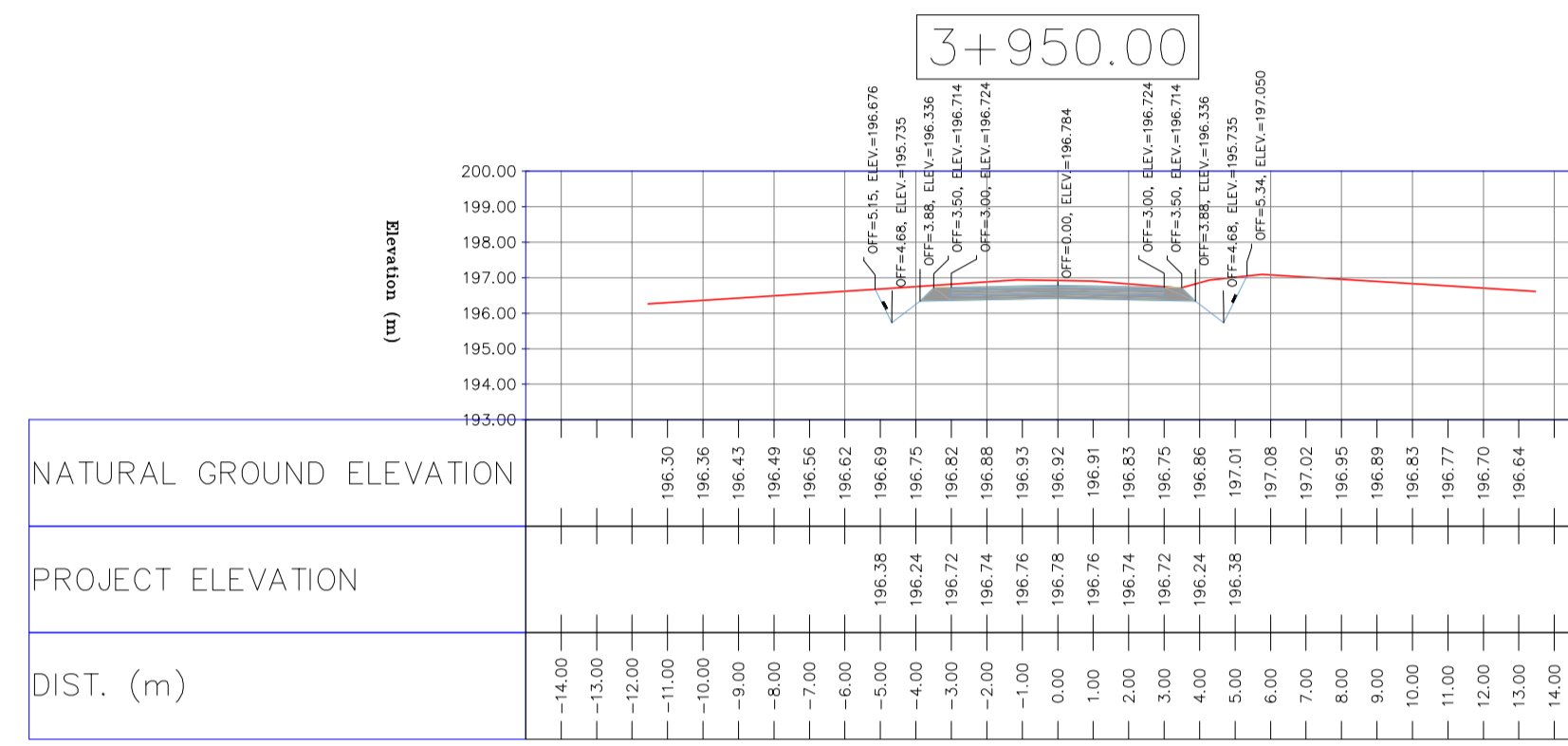
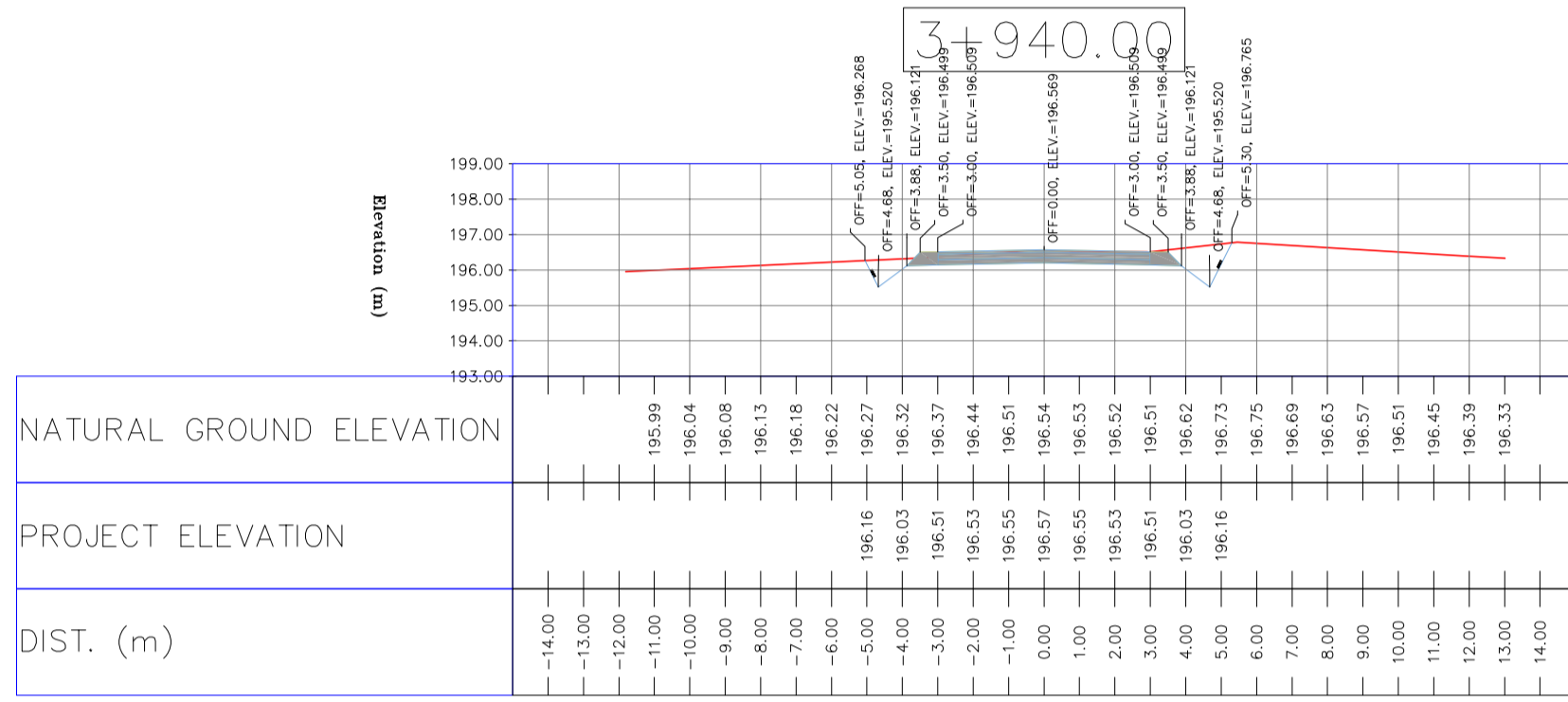
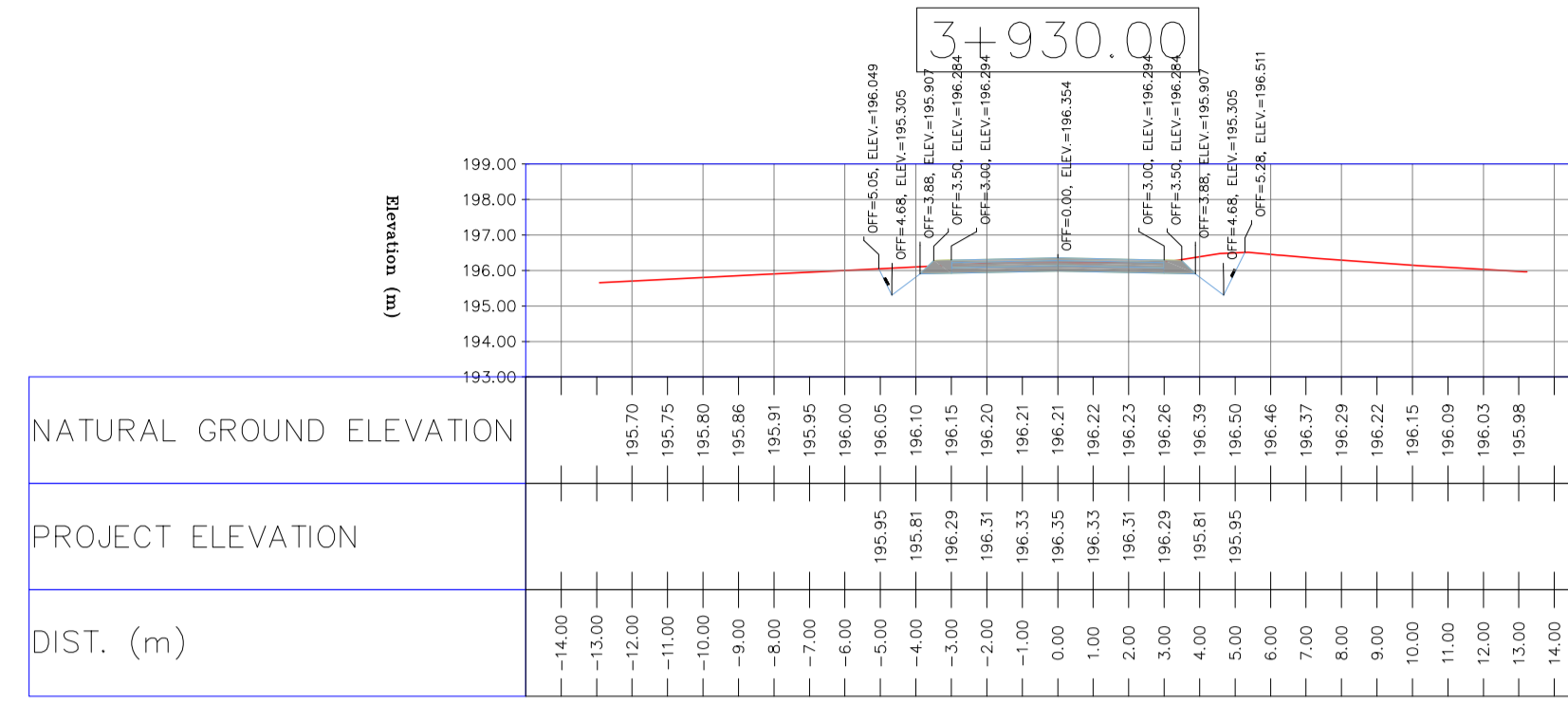
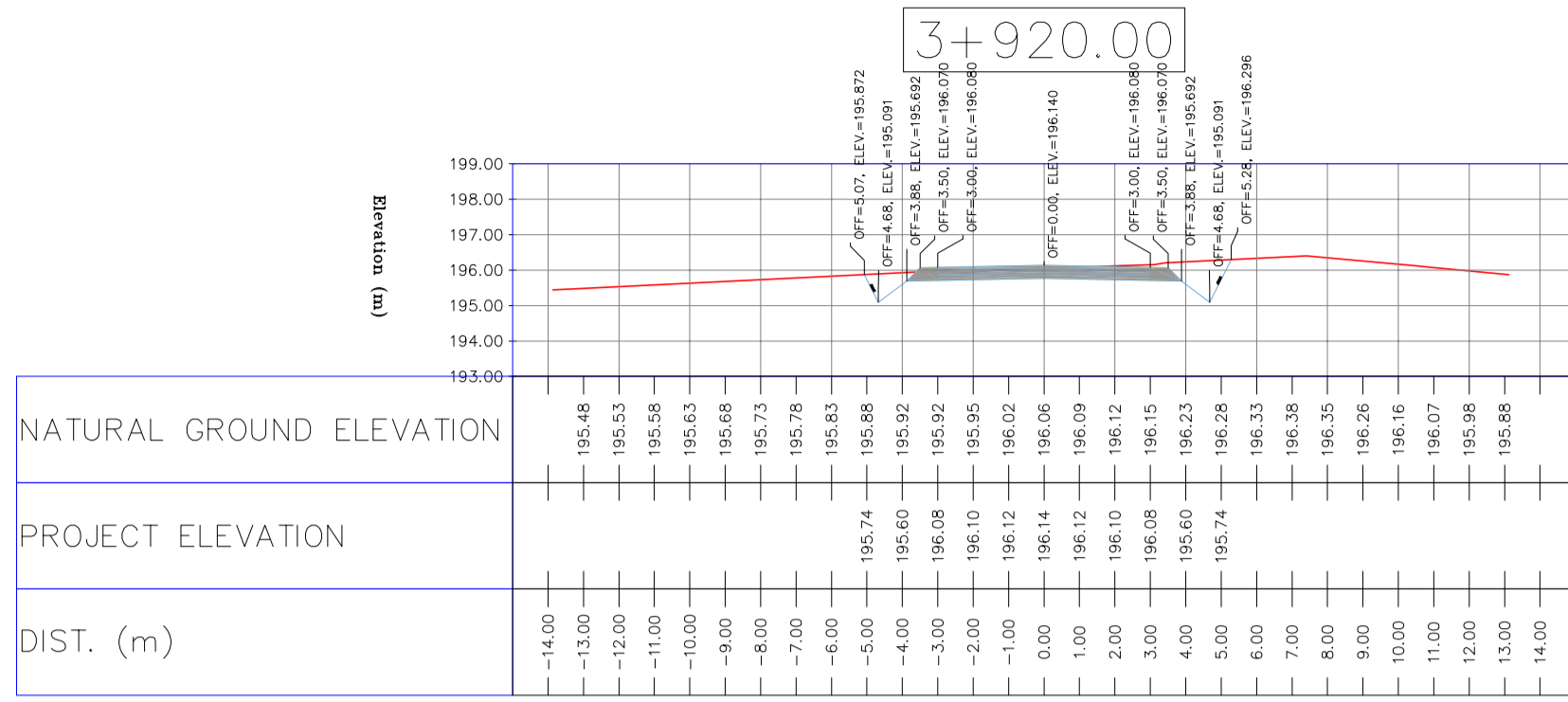
REVISION D05

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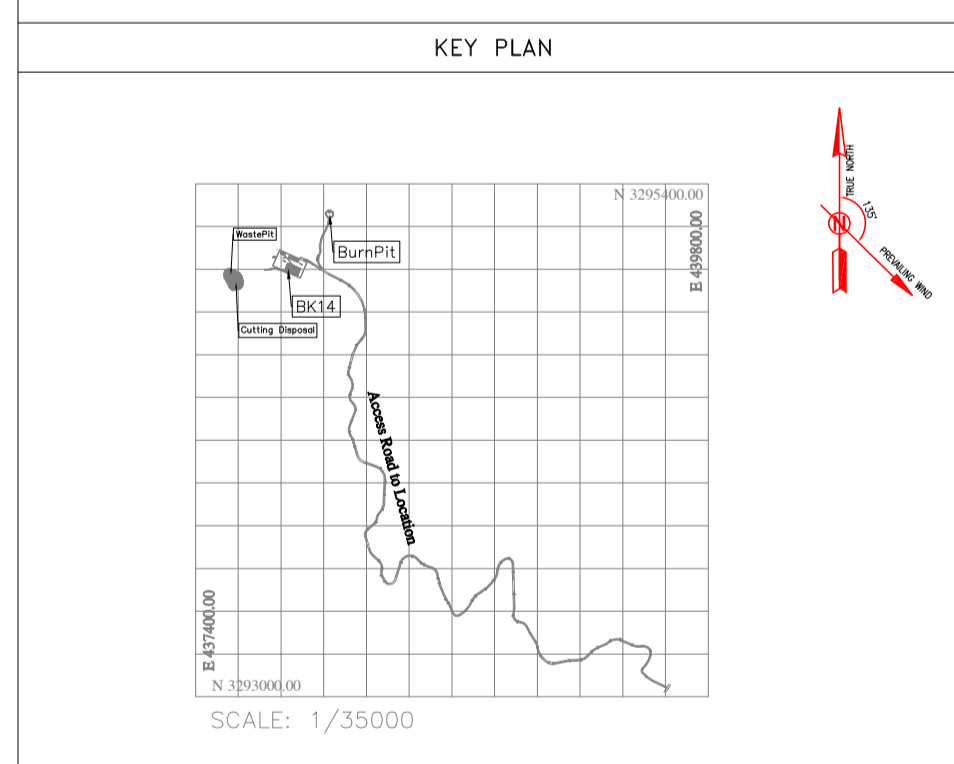
LEGEND

	WELL LOCATION		CANAL
	WELL		RIVER
	SITE		WATER COURSE
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	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT

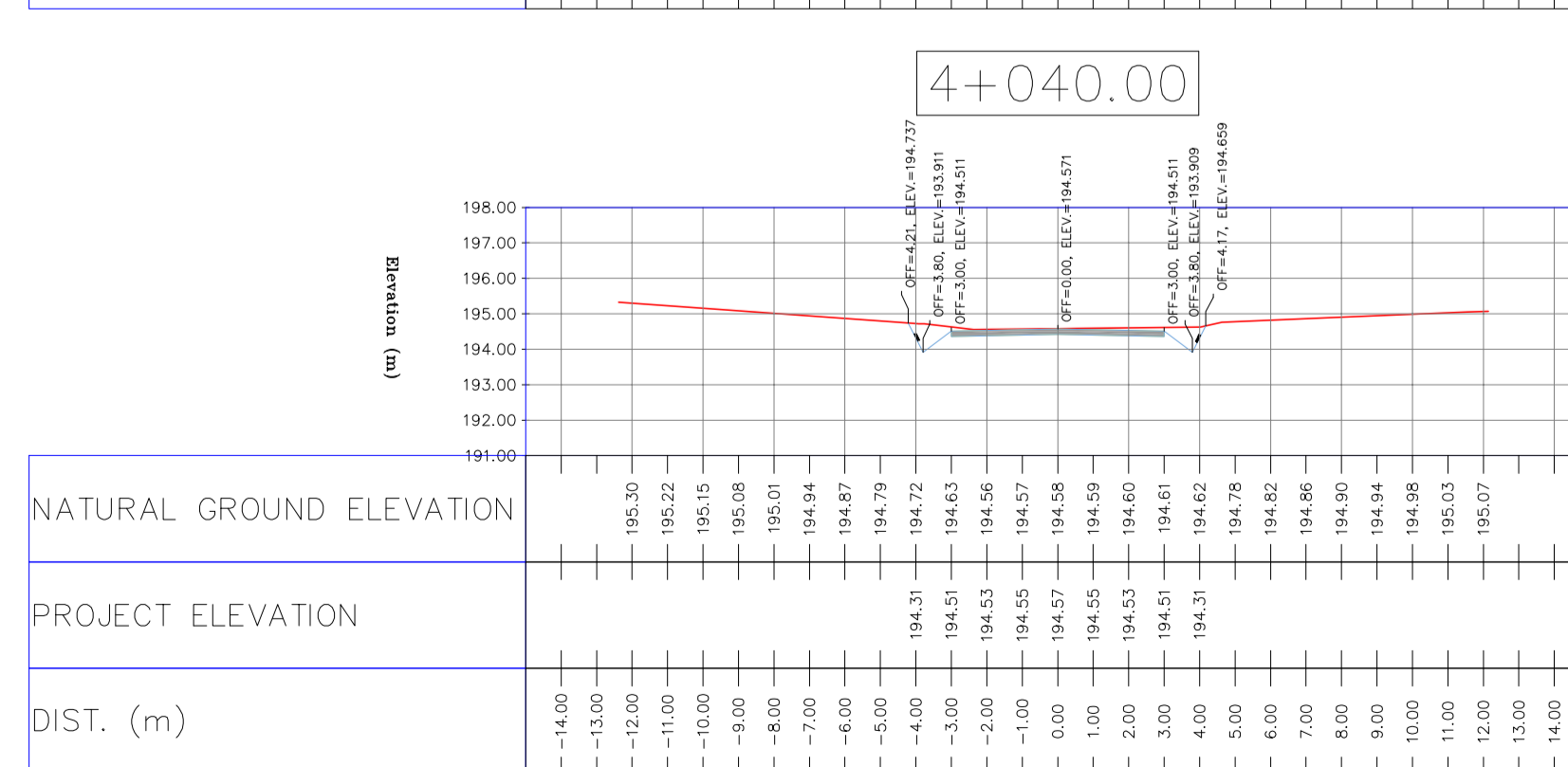
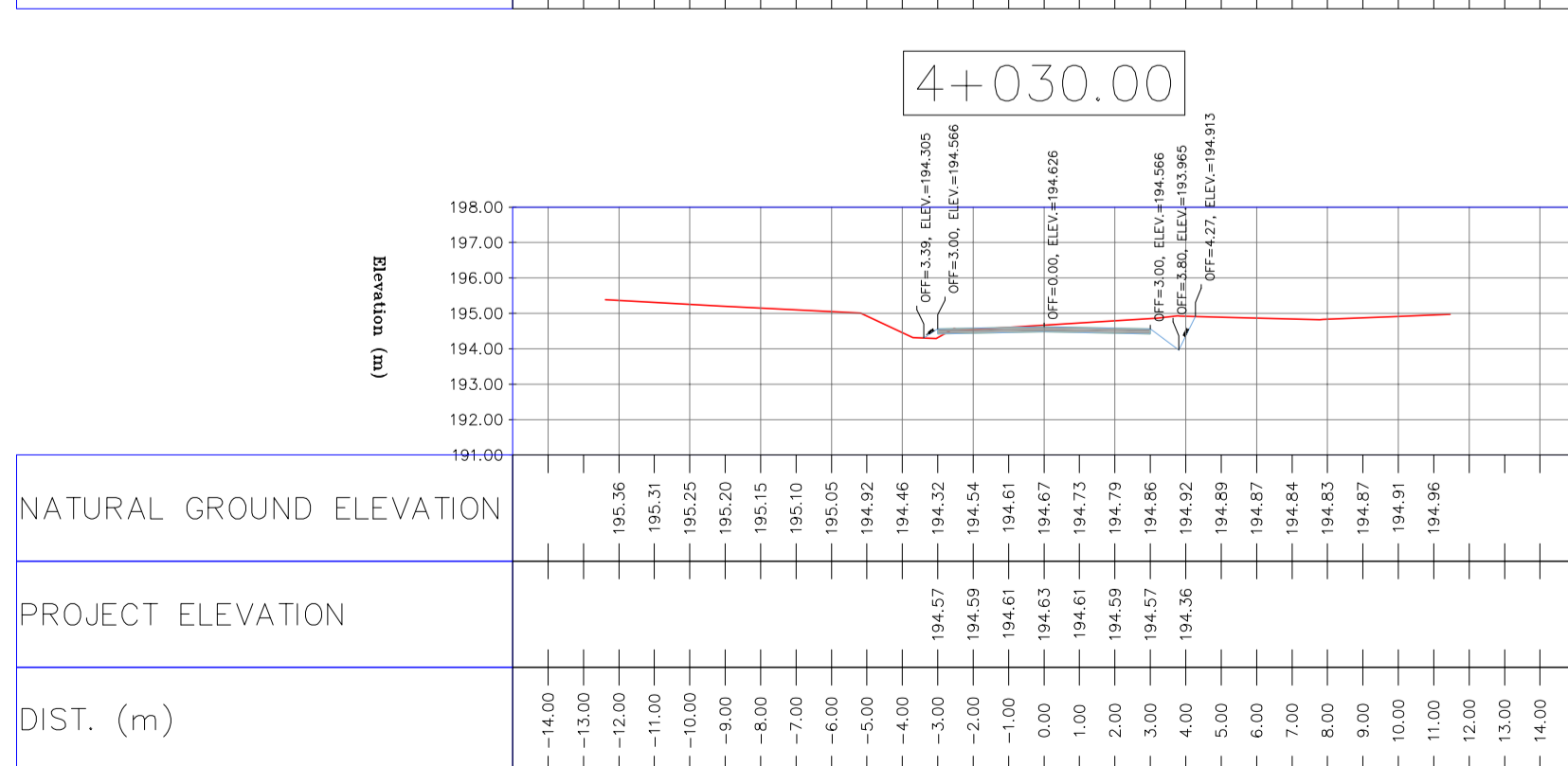
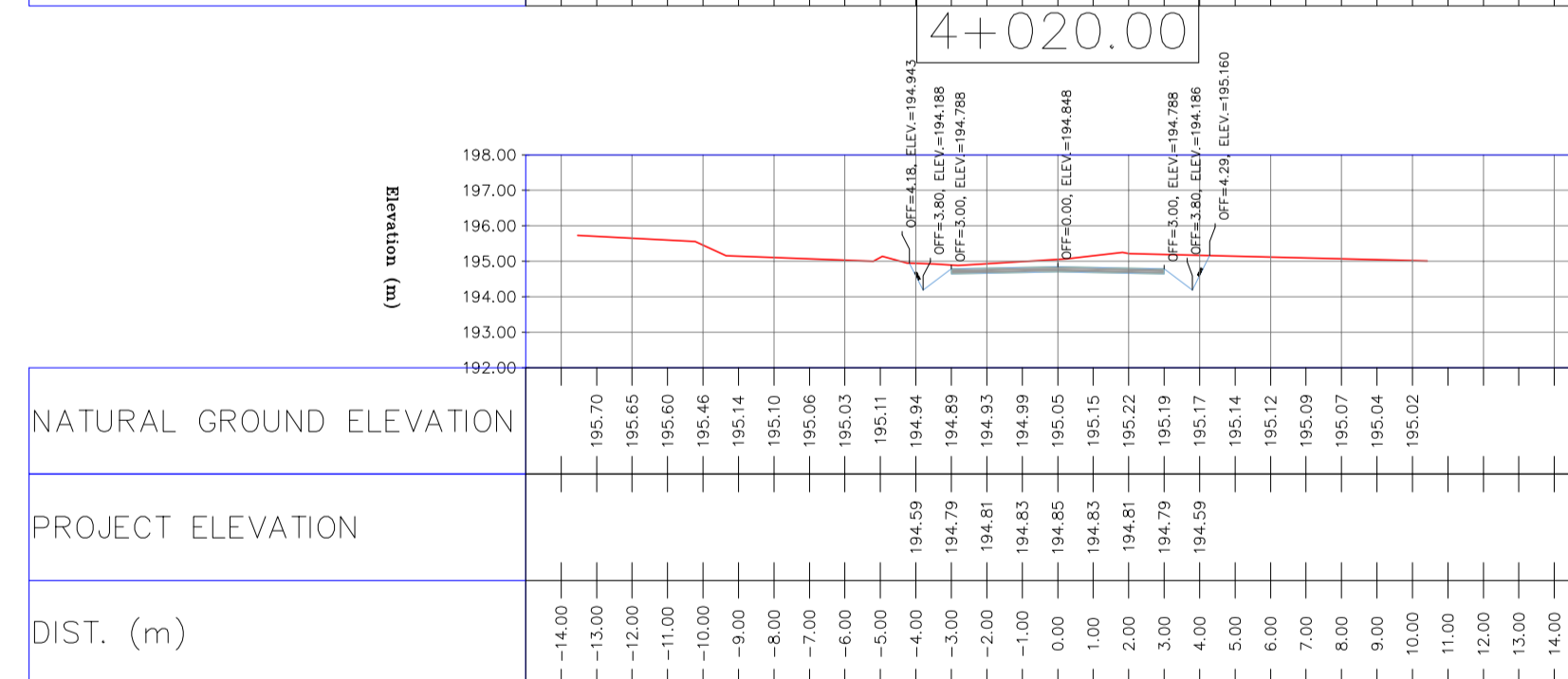
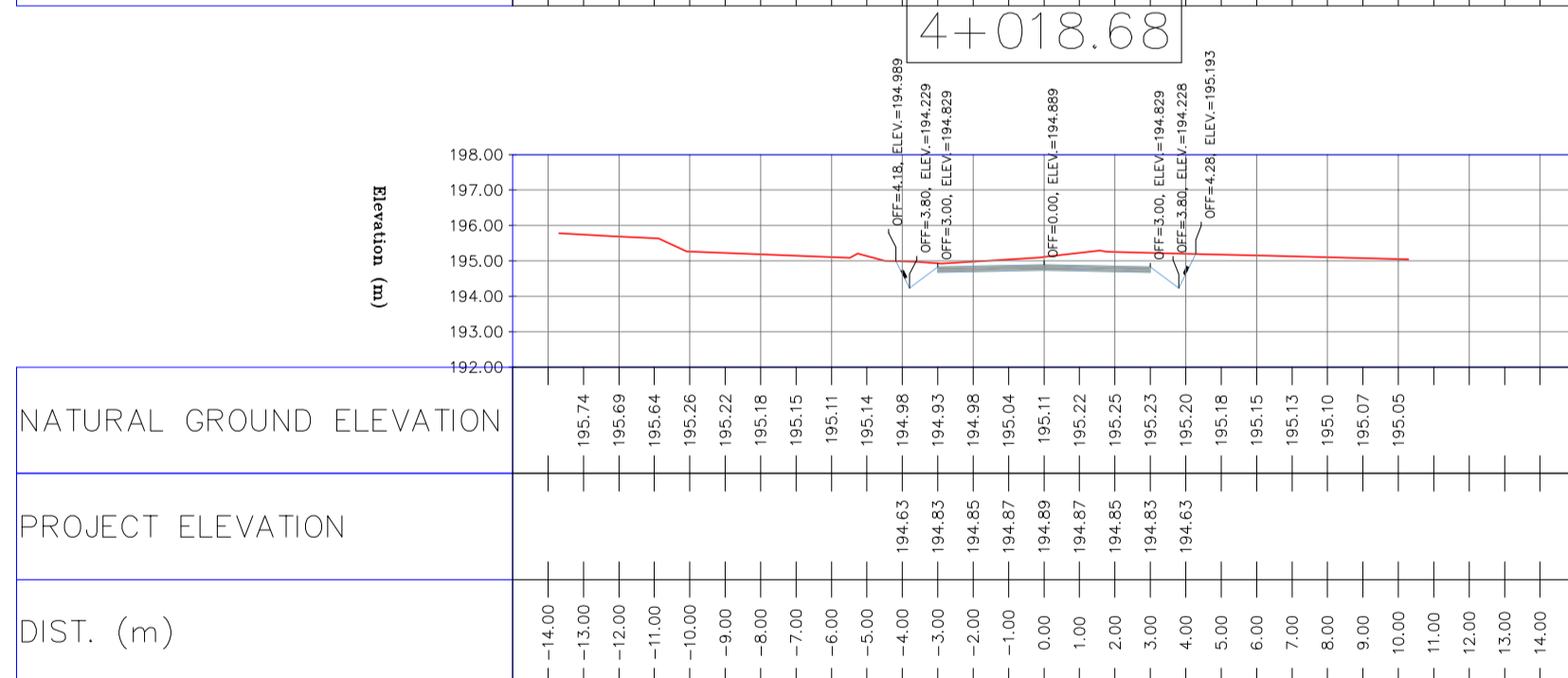
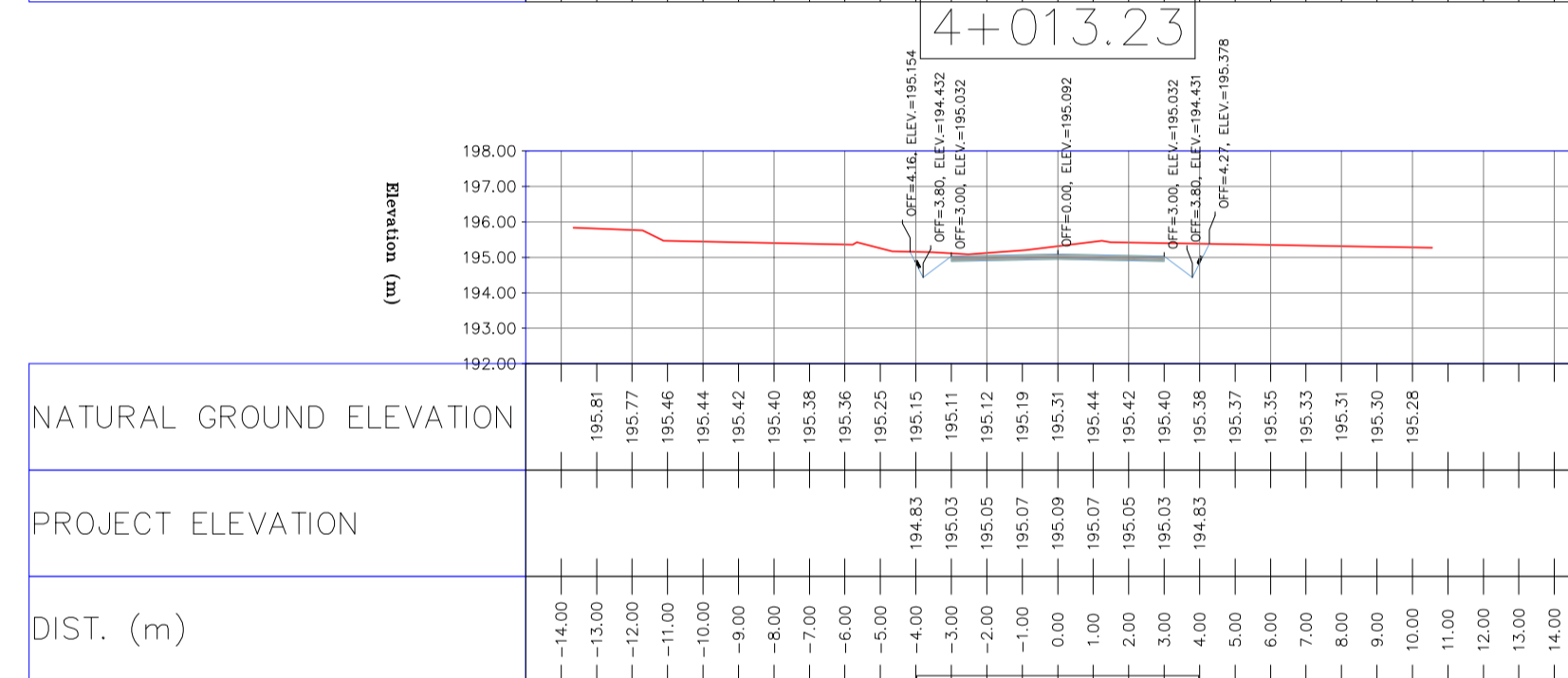
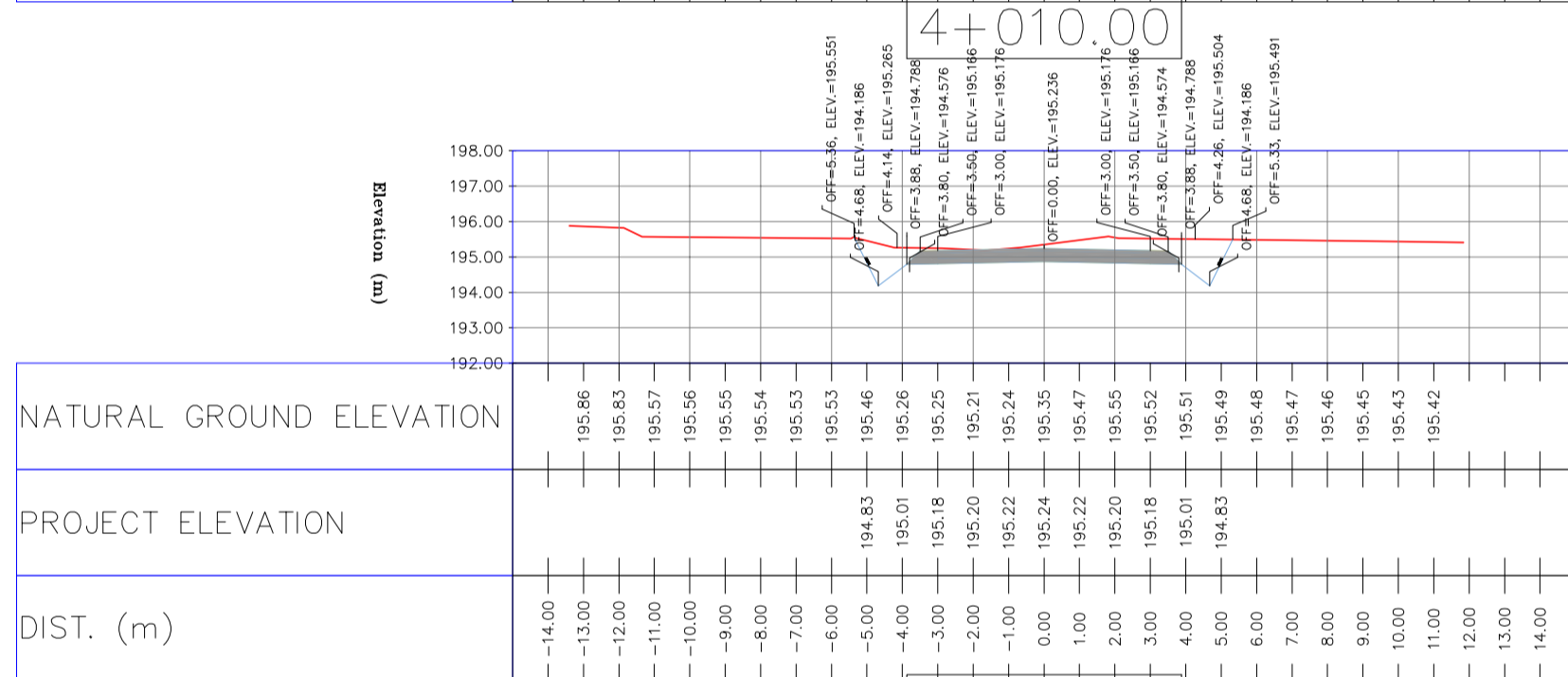
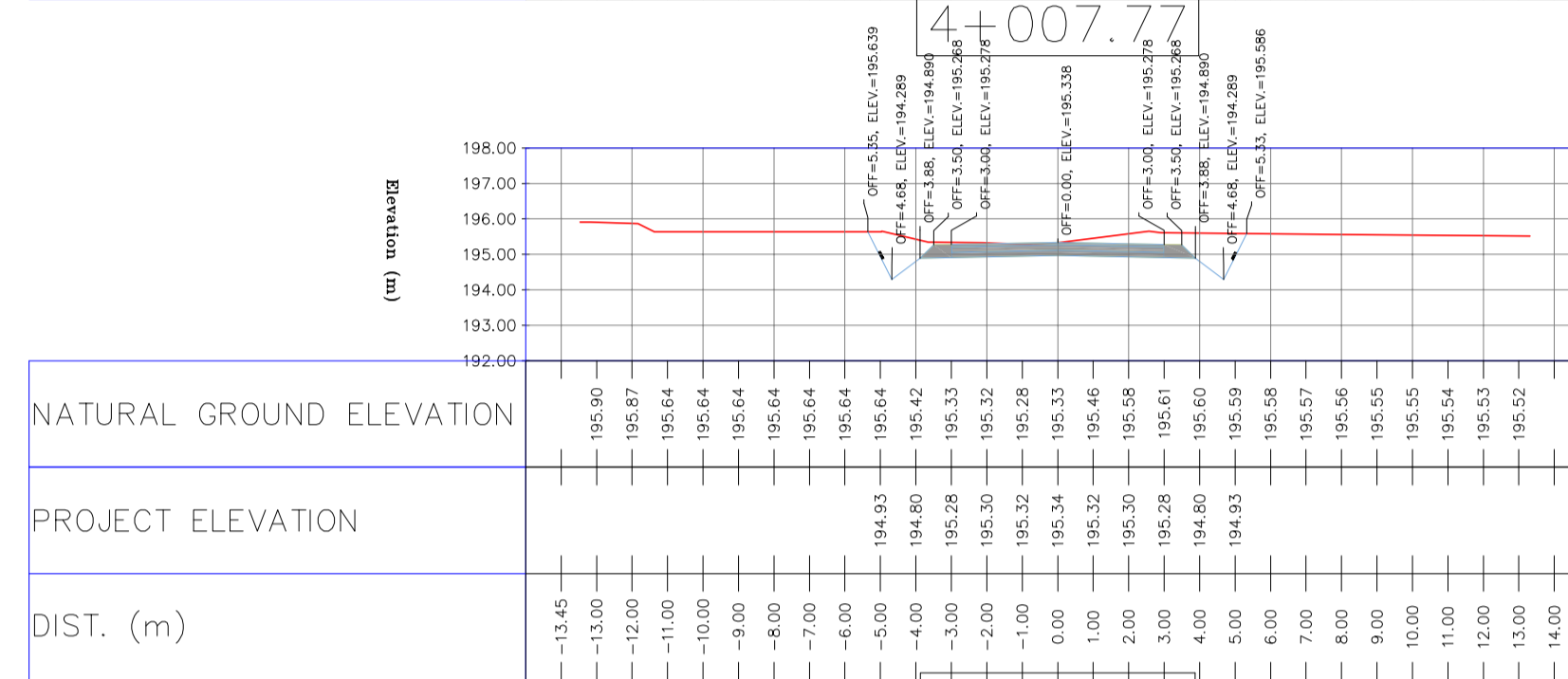
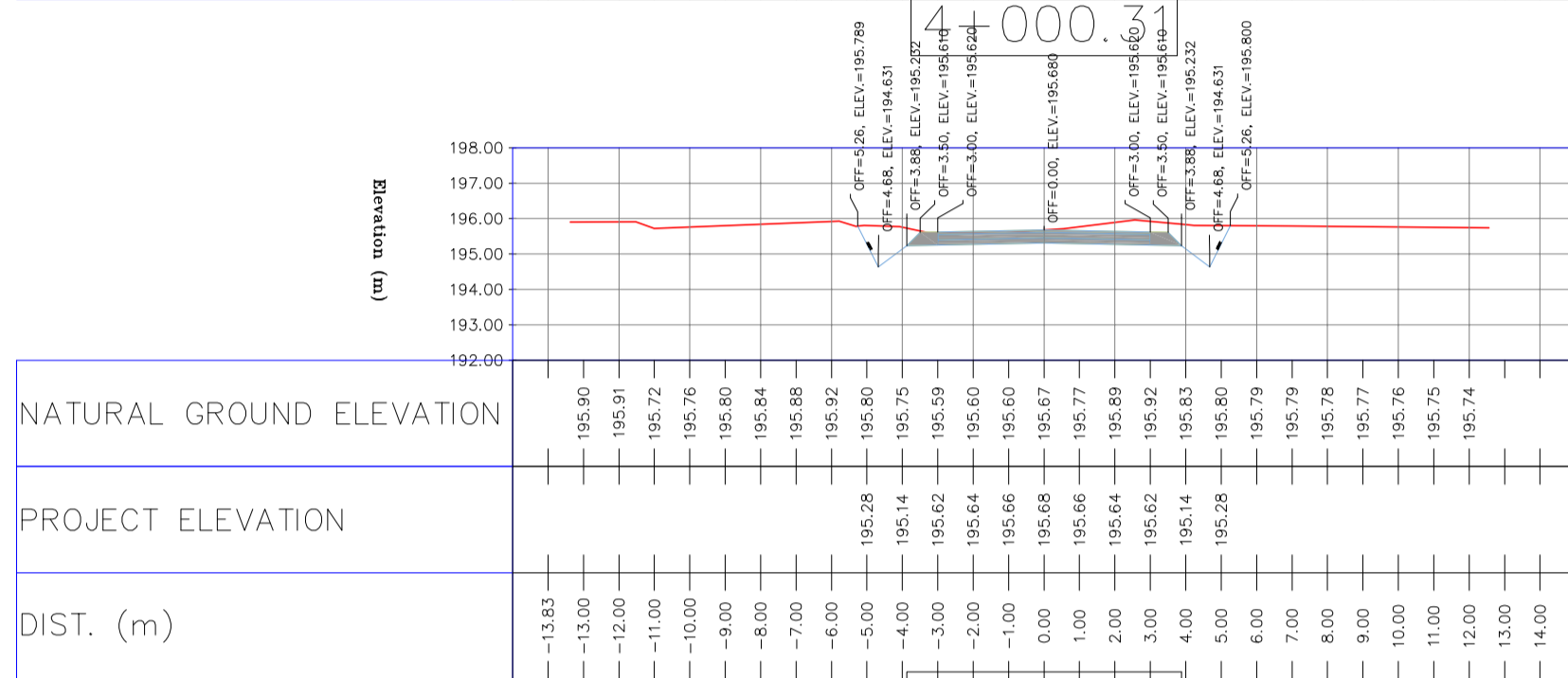
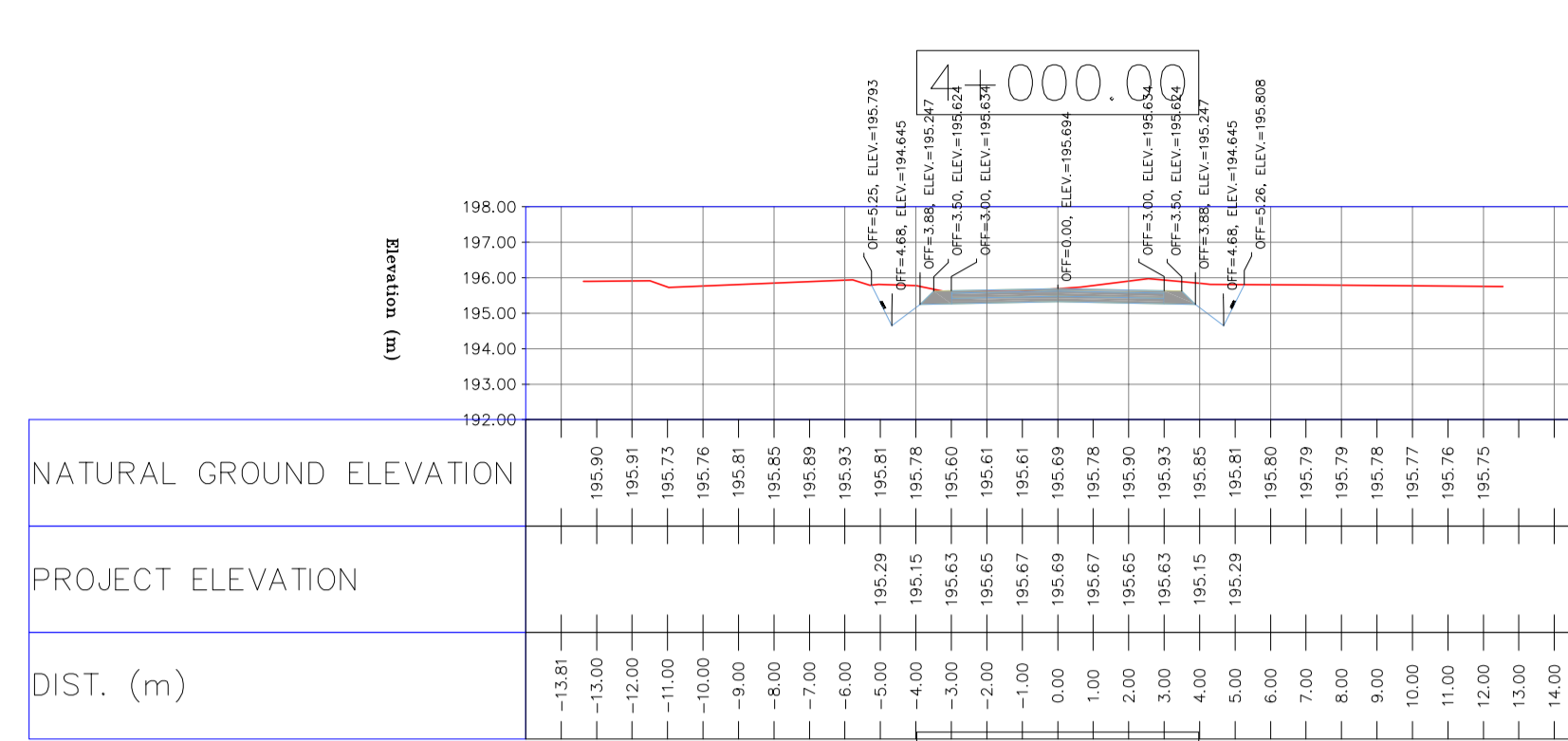
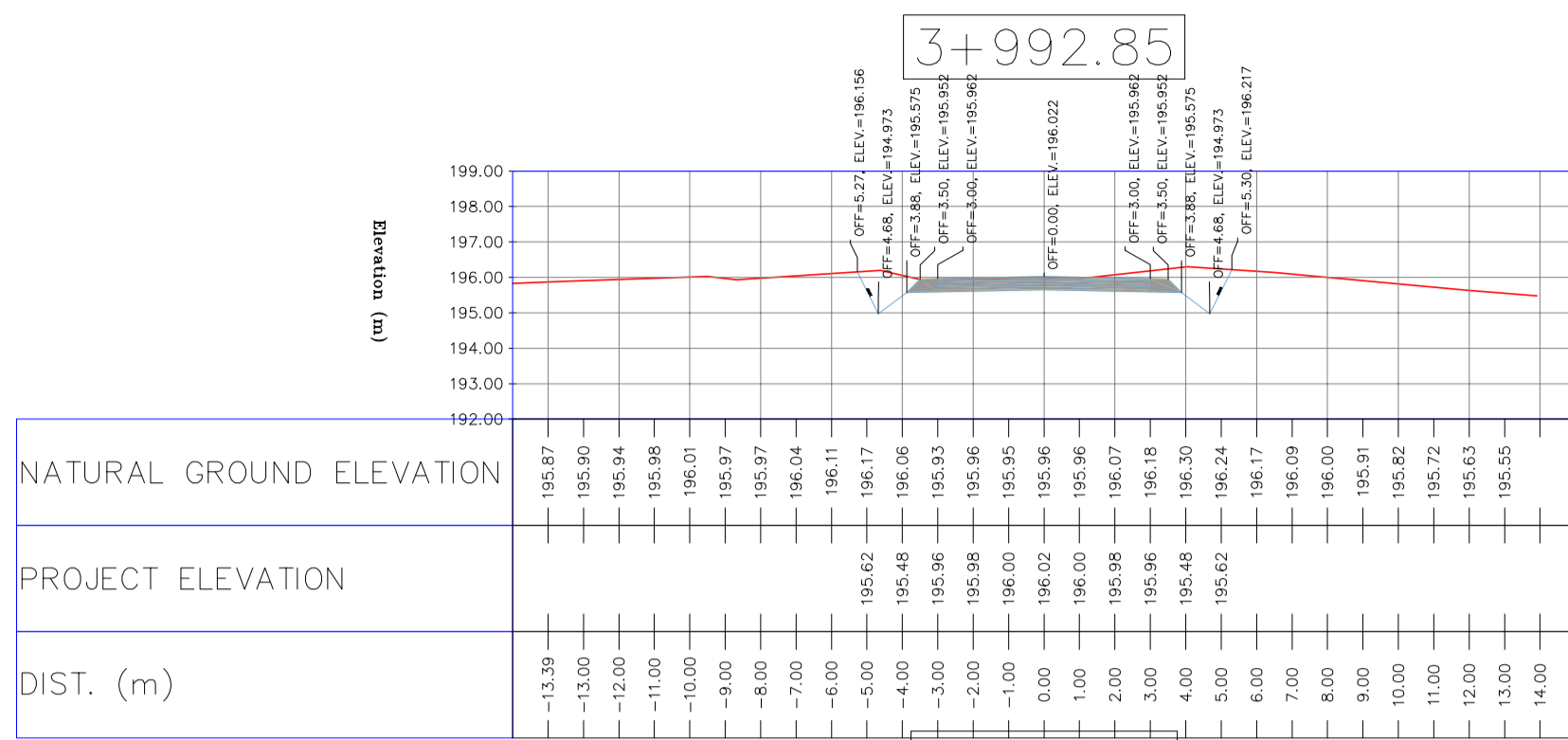
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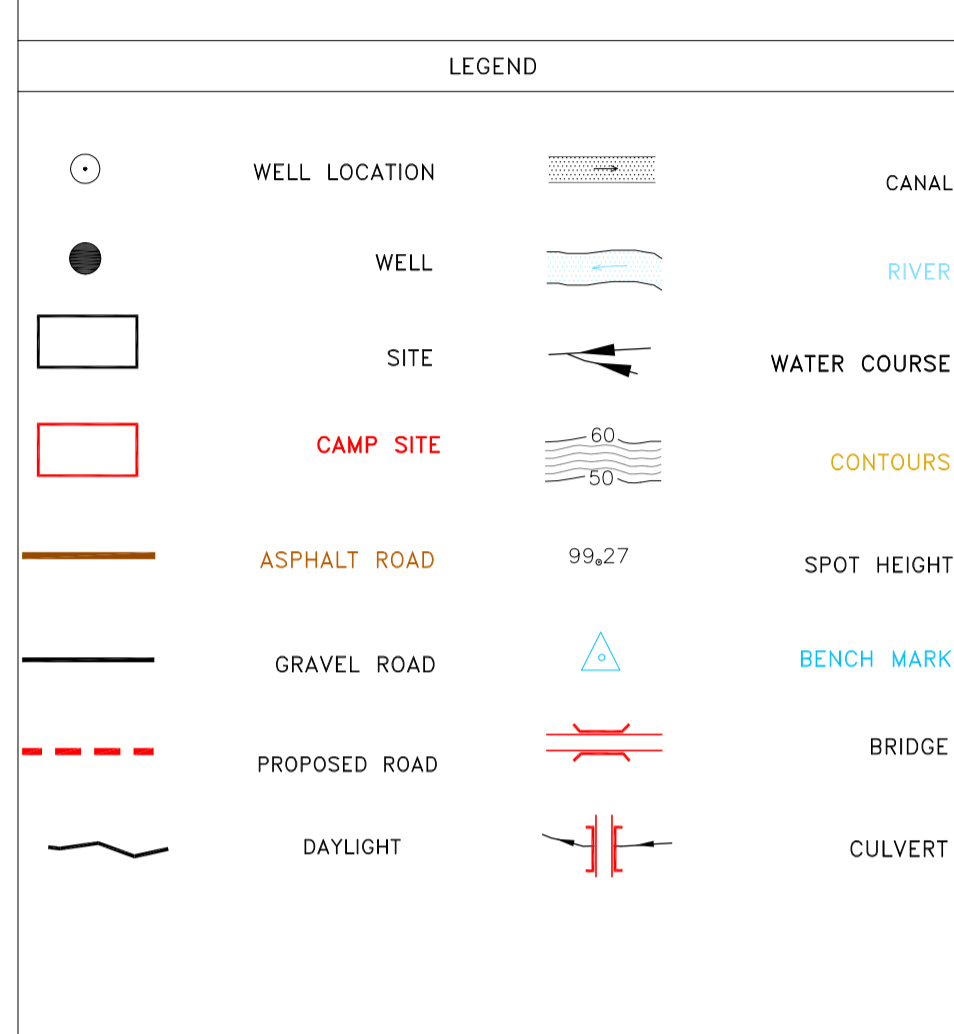


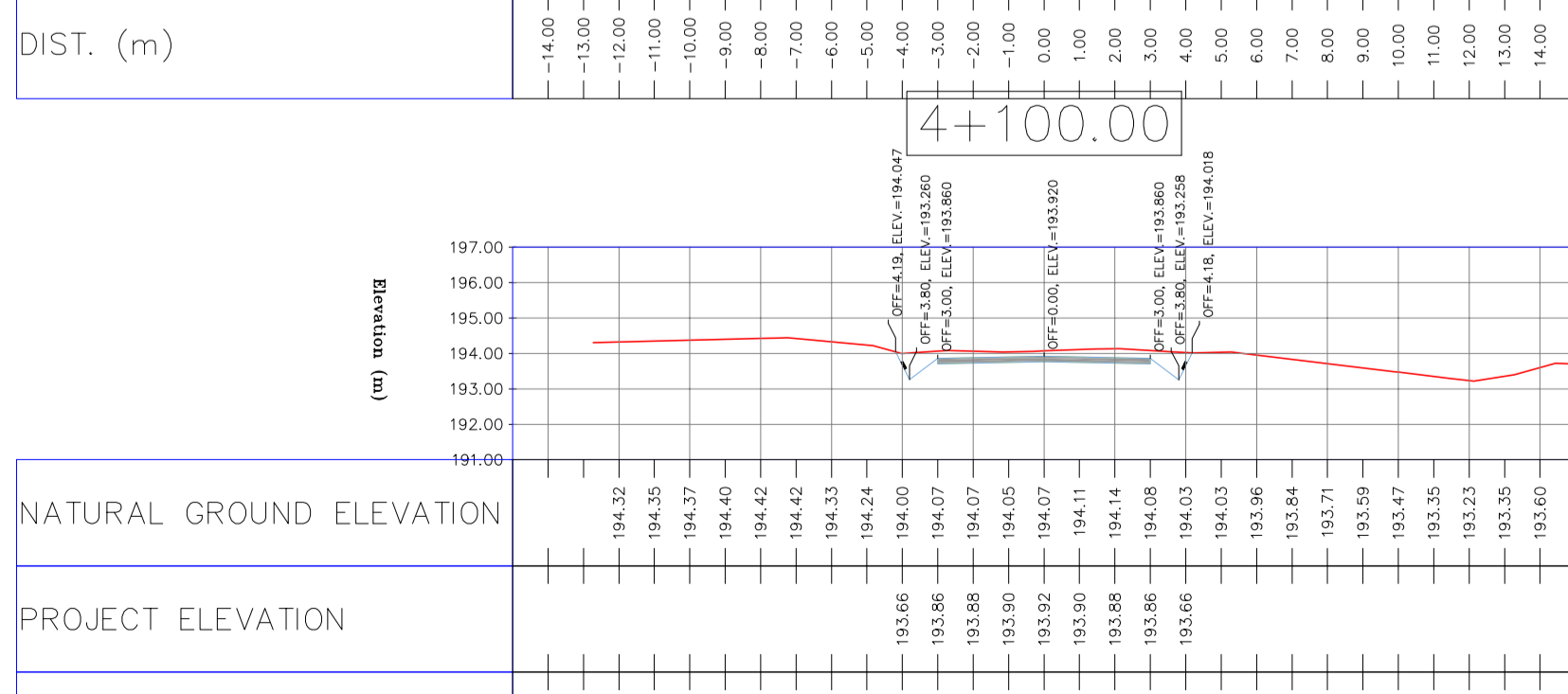
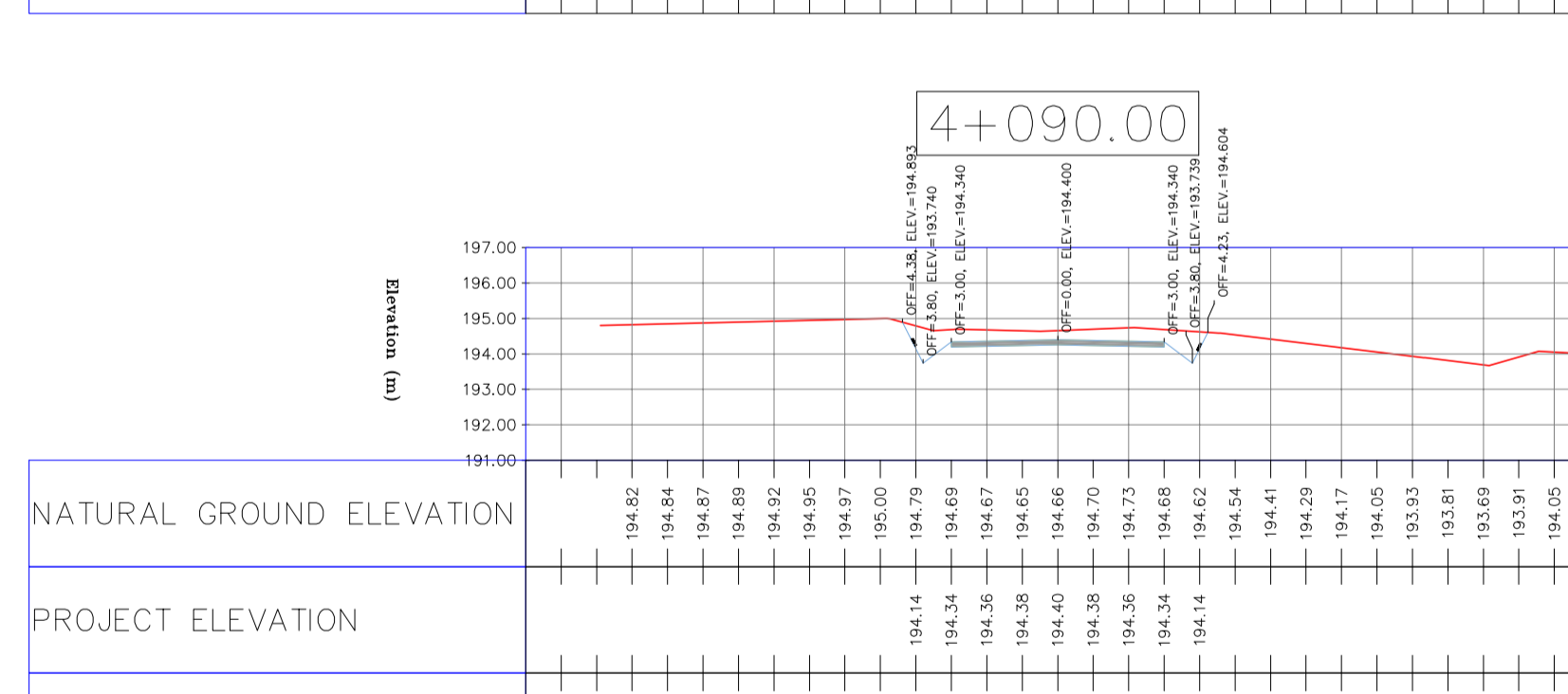
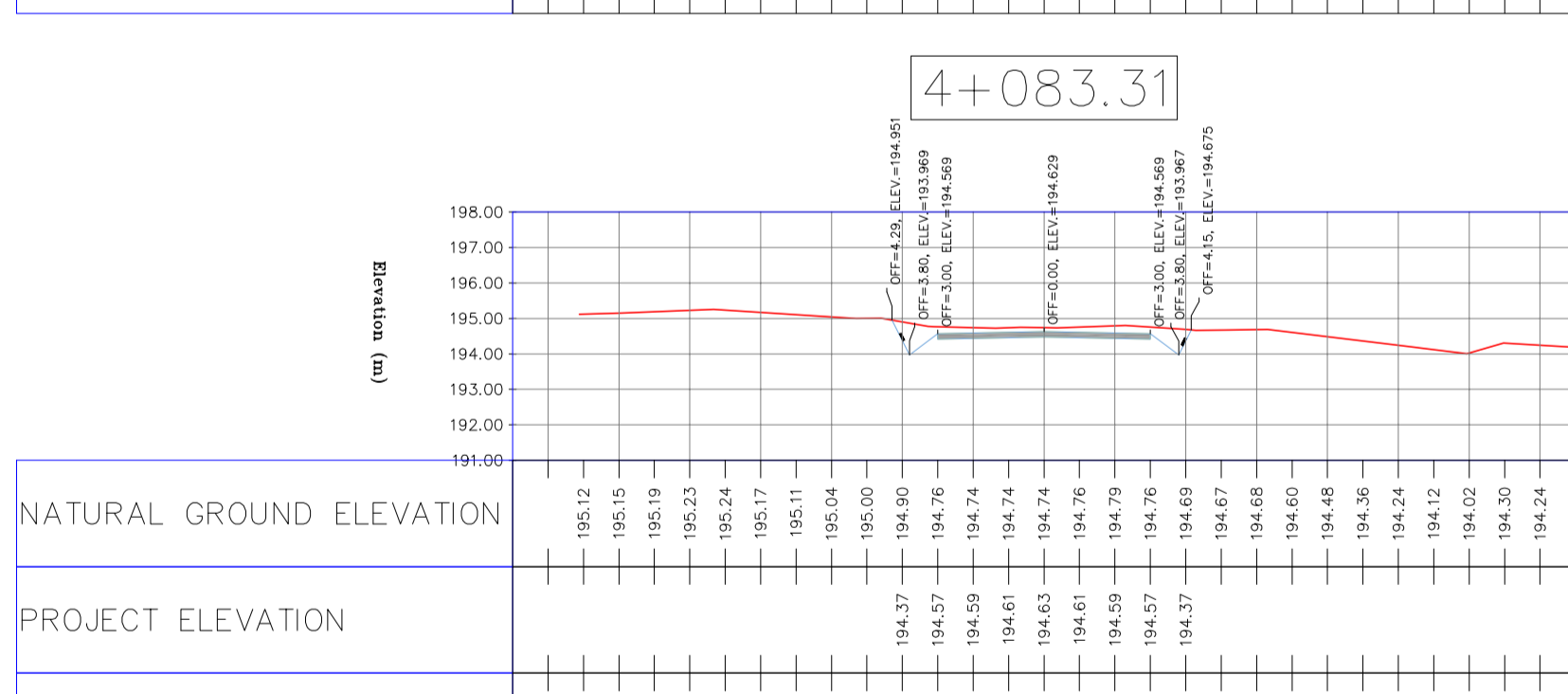
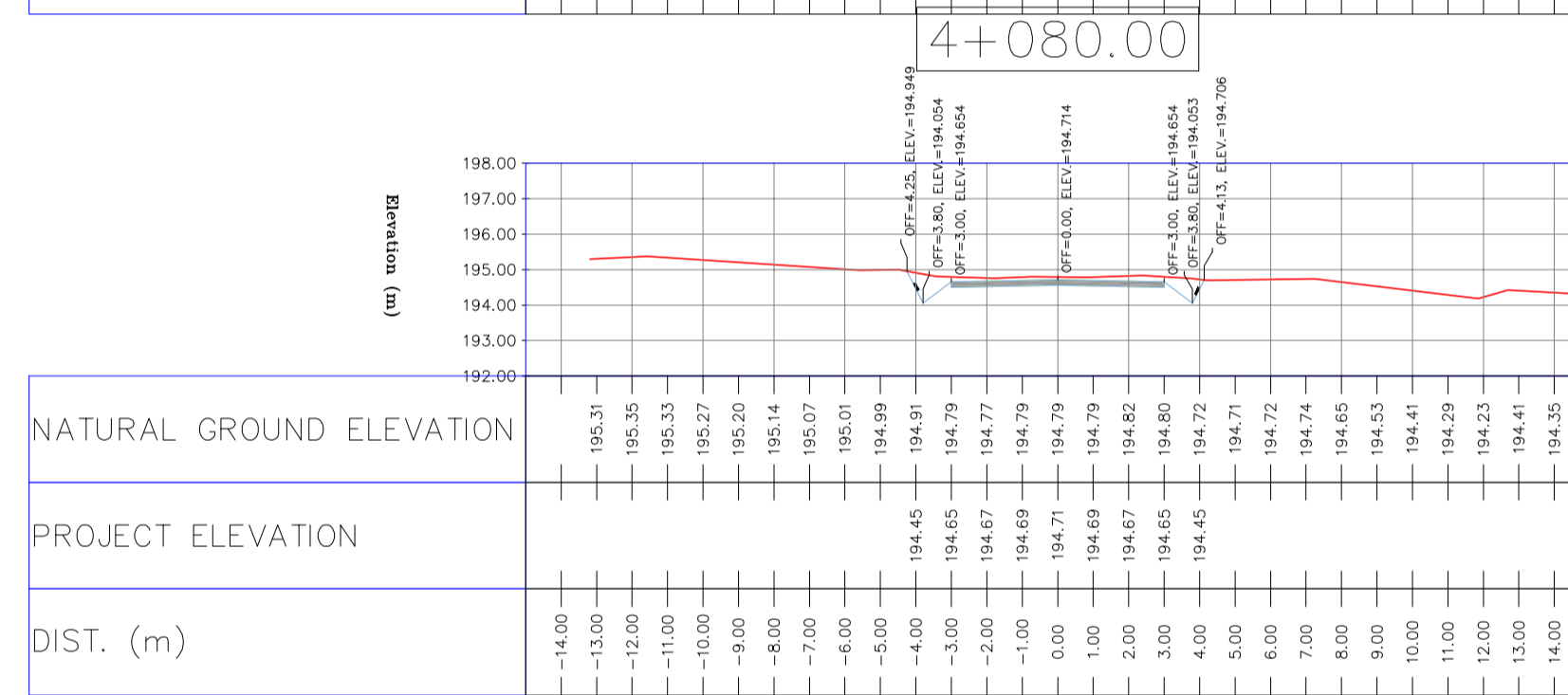
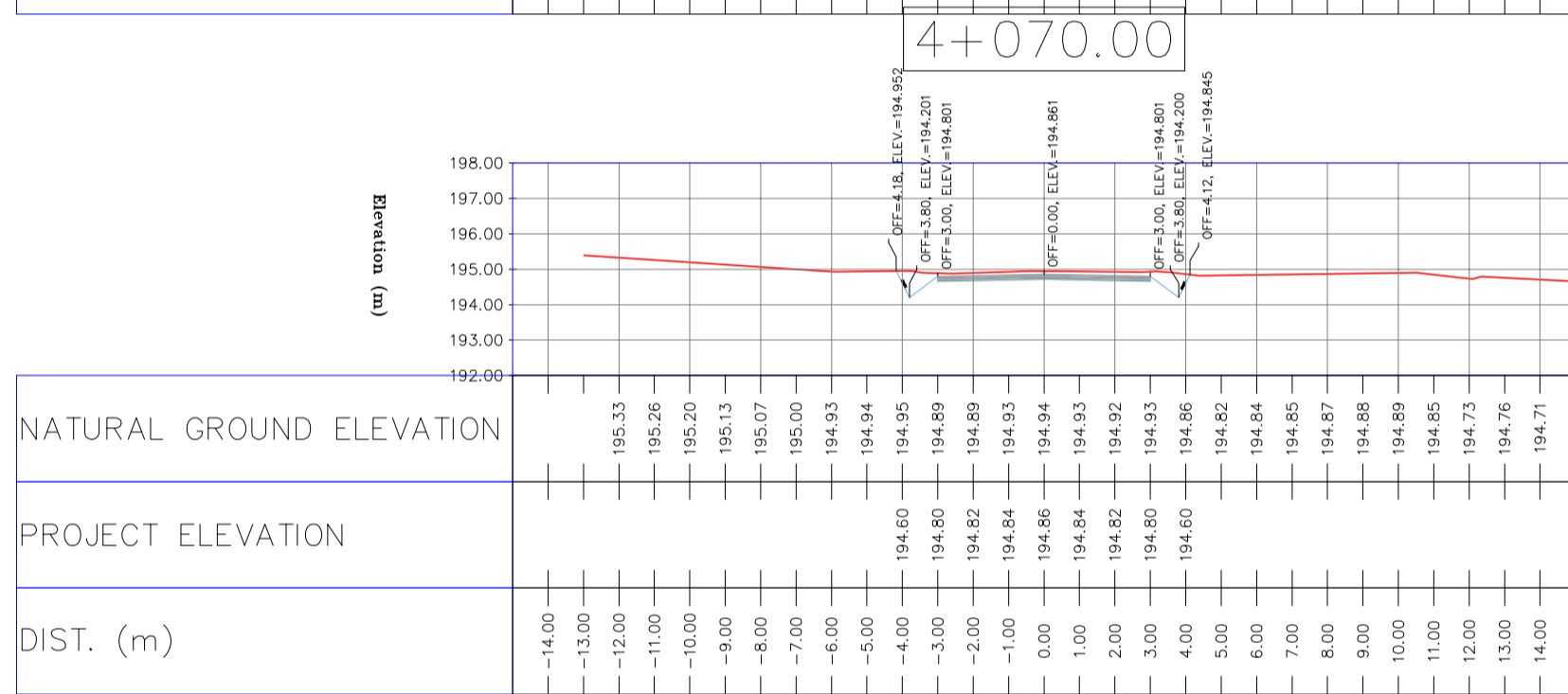
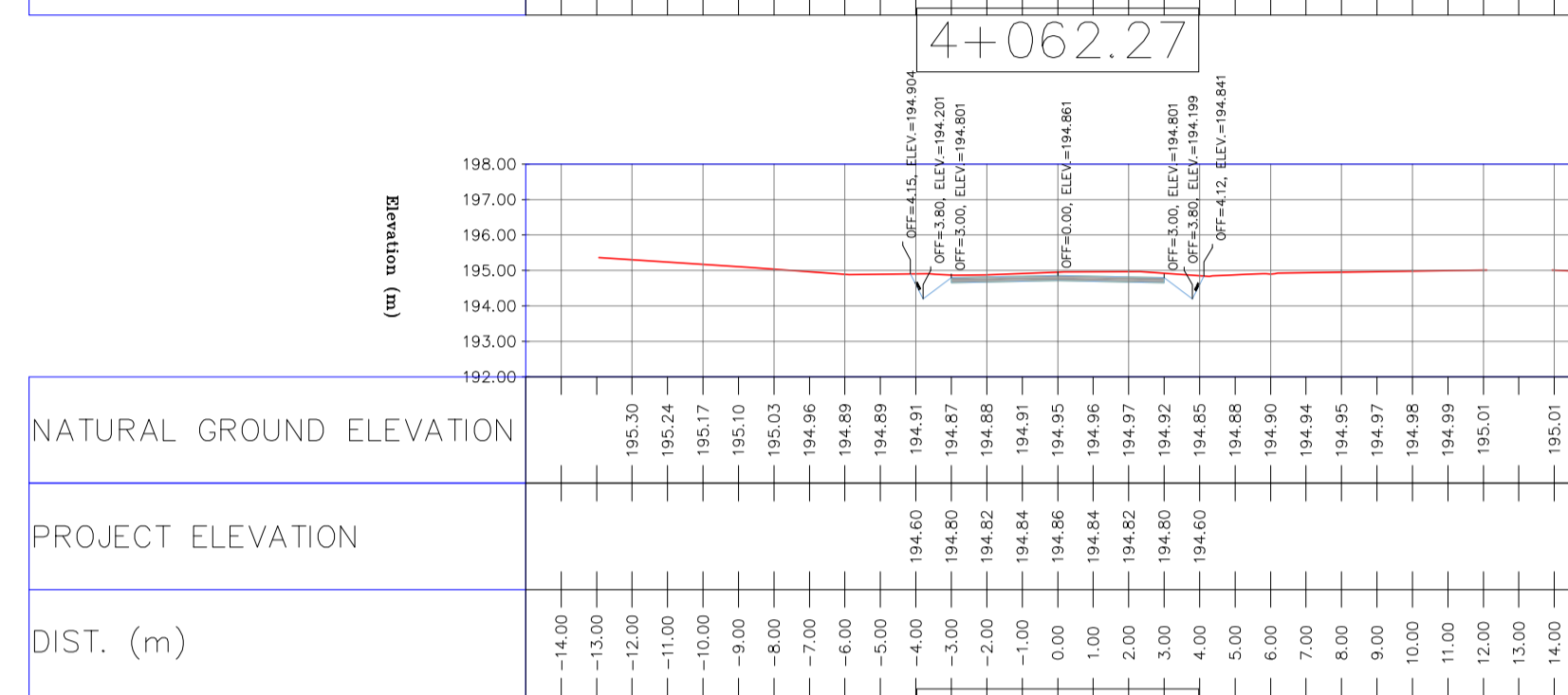
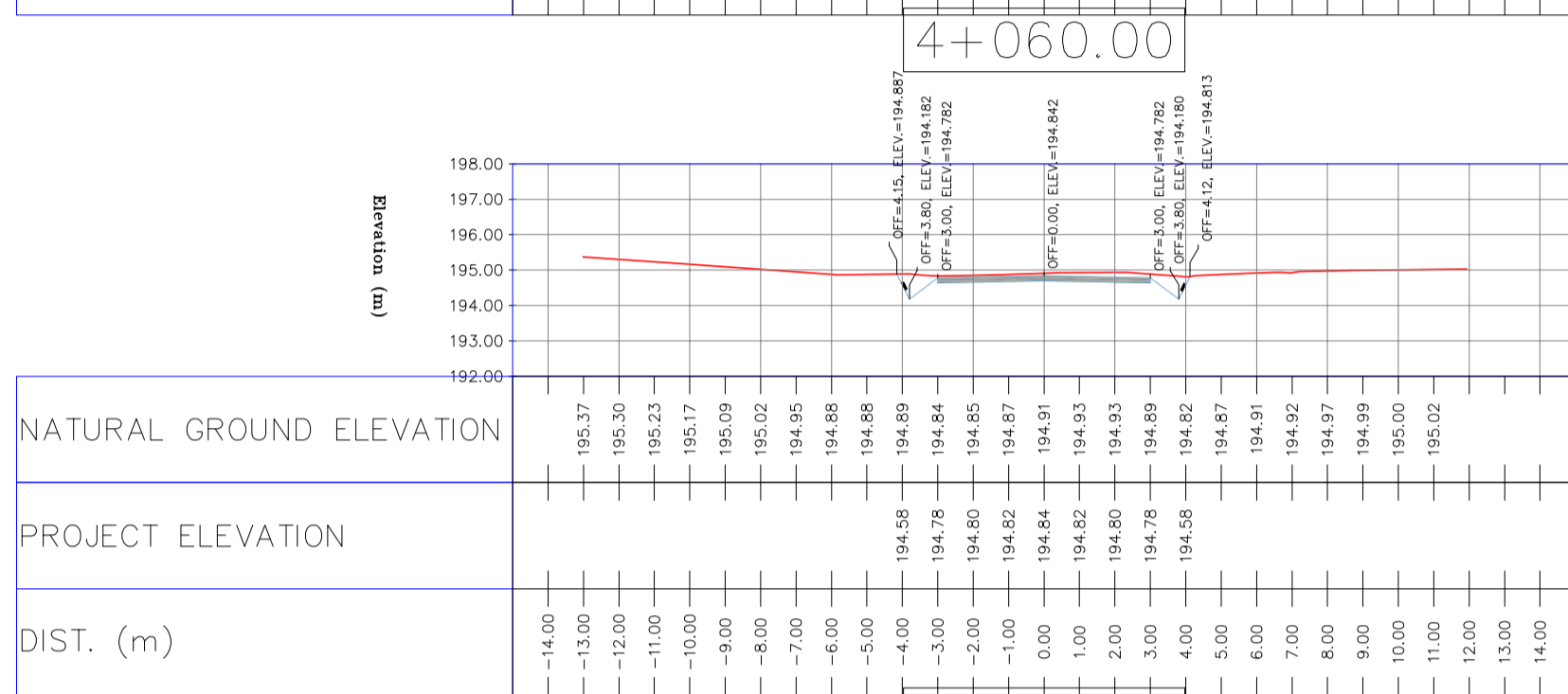
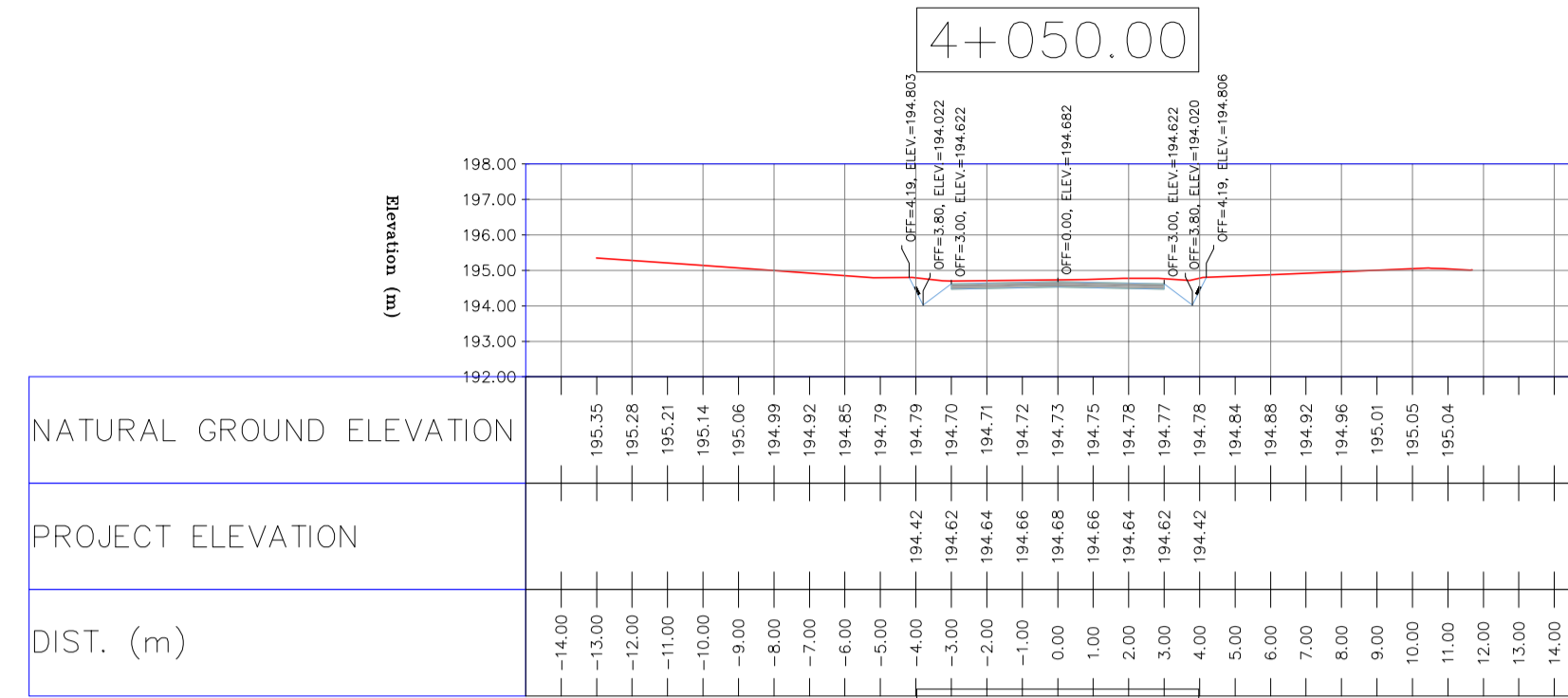
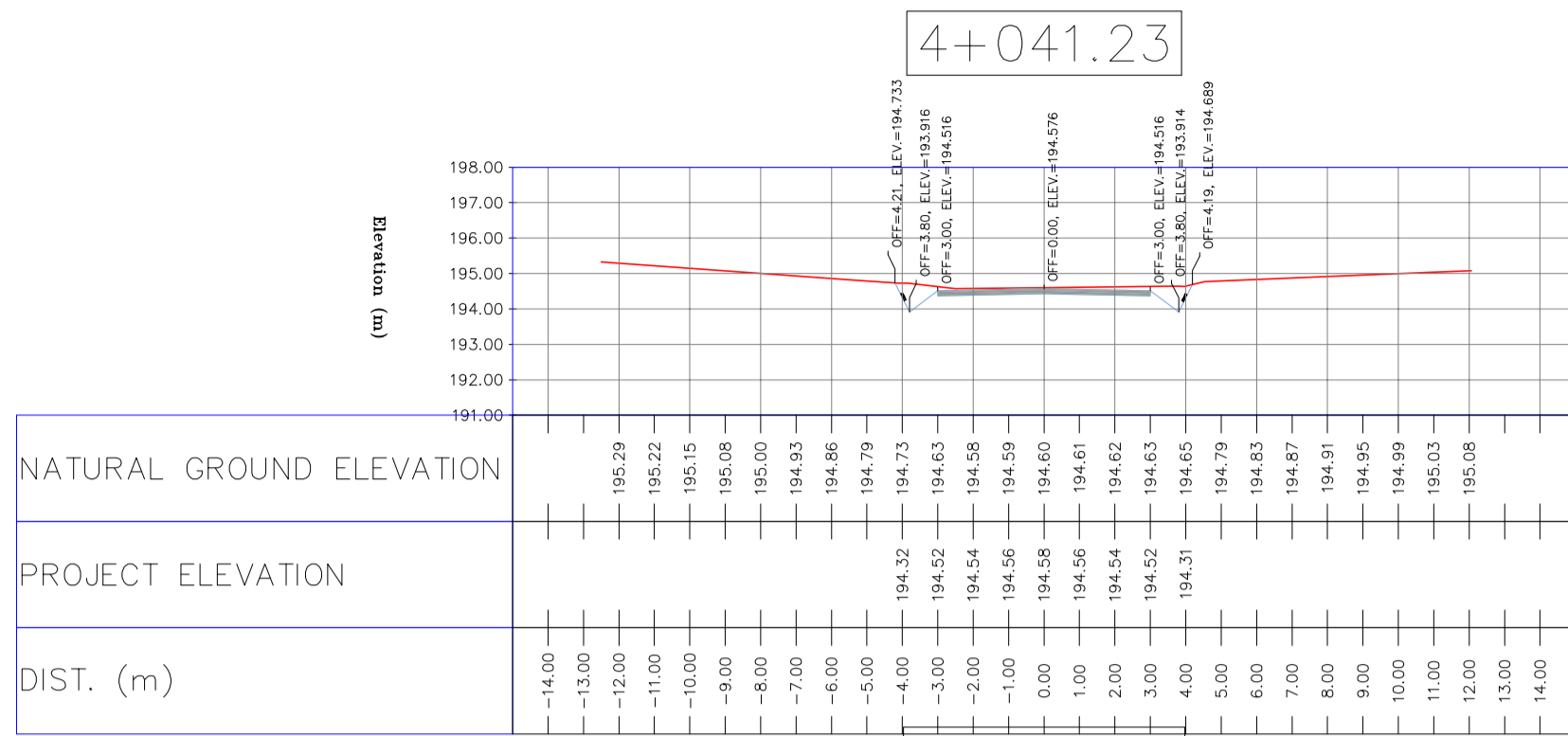
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEJ</			

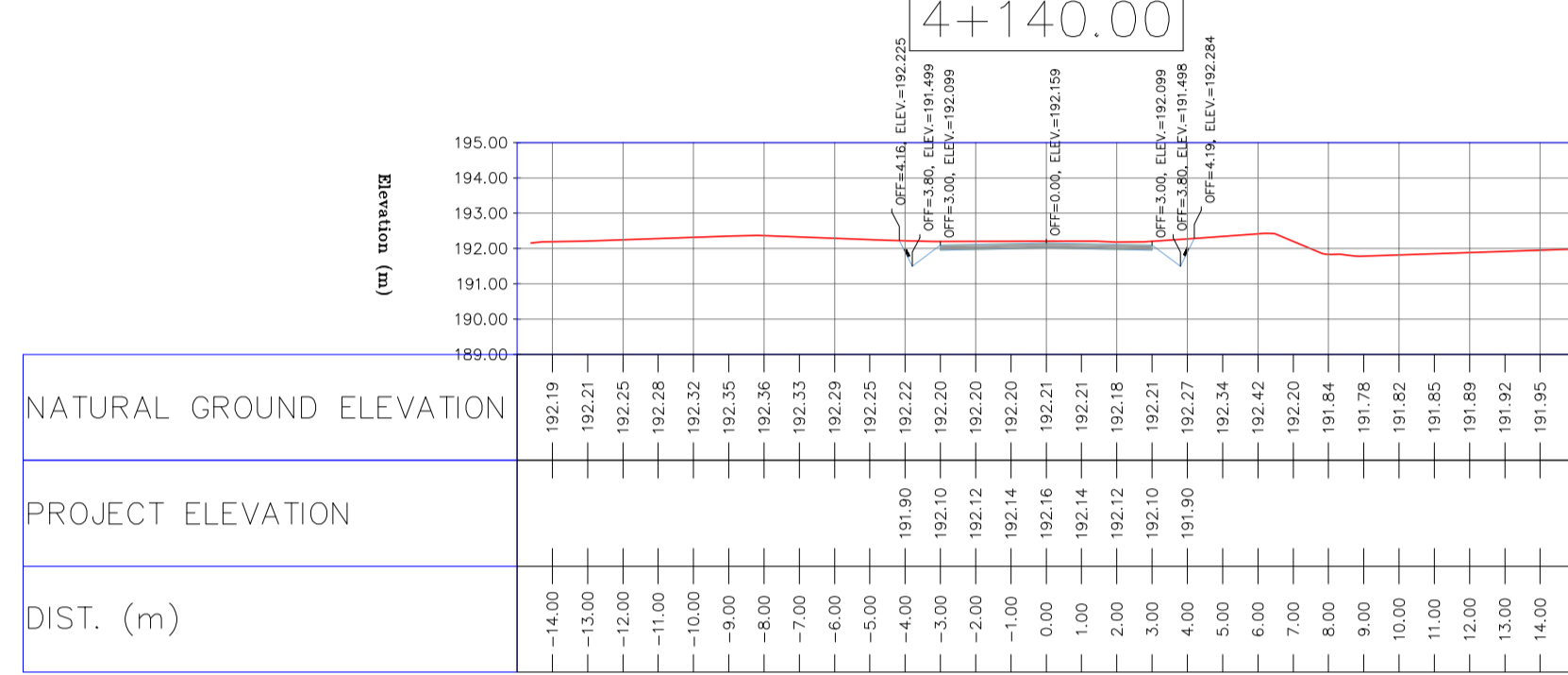
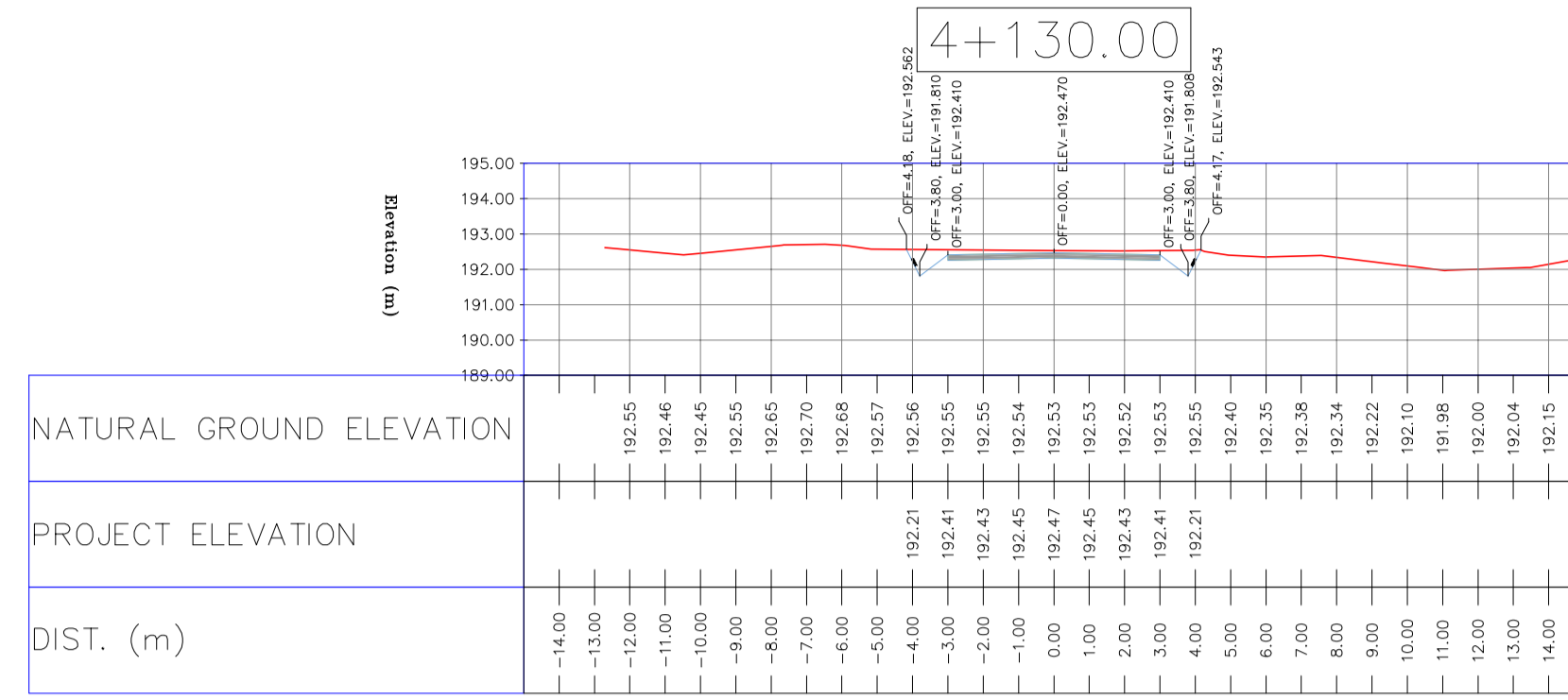
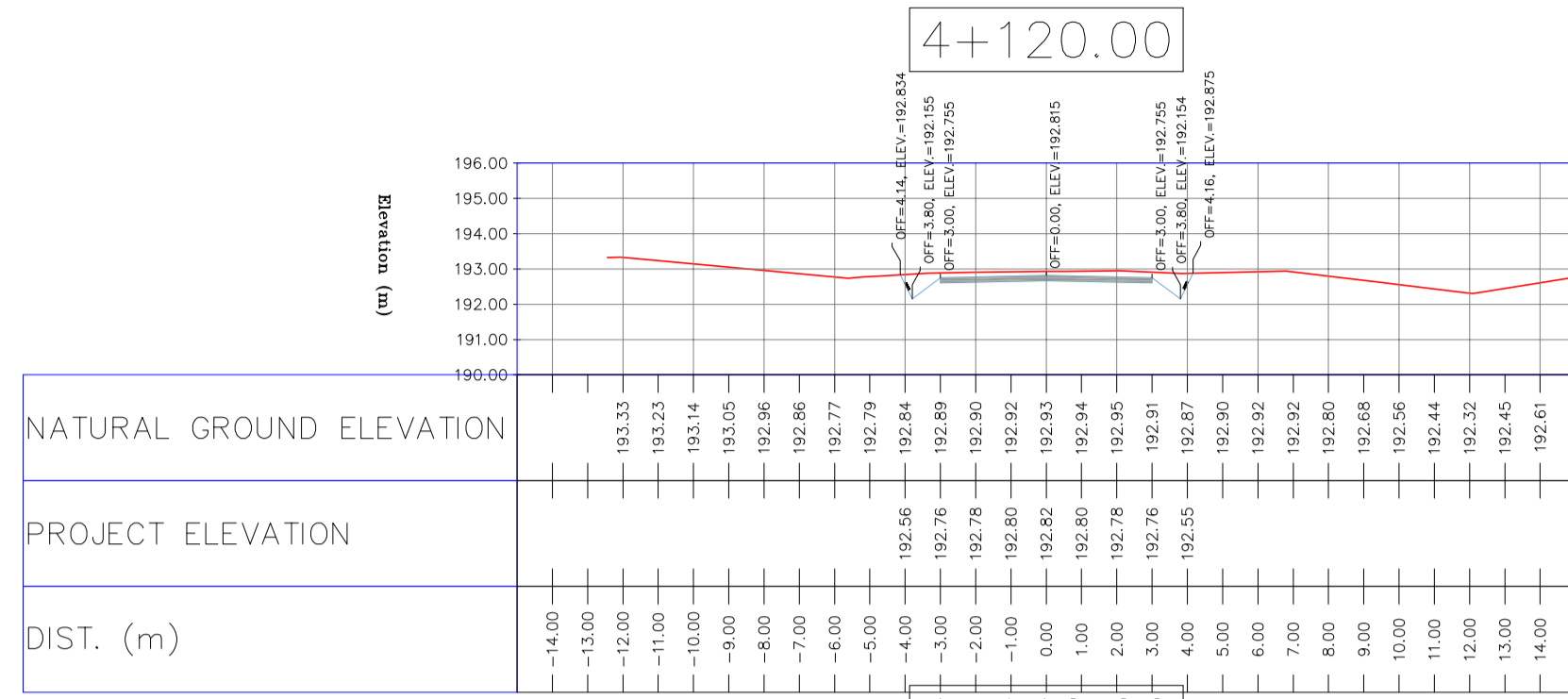


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ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: UNIVERSAL TRANSVERSE MERCATOR (UTM)
VERTICAL DATUM: MSL
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- "GENERAL SPECIFICATION FOR ROAD" NO. 101, SECTION 207, IRAN PLANNING AND BUDGET ORGANIZATION.
- PROJECT GENERAL SPECIFICATION "SPECIFICATION FOR EARTH WORK" DOCUMENT NUMBER "BK-GNRL-PEDCO-000-CV-SP-0004".
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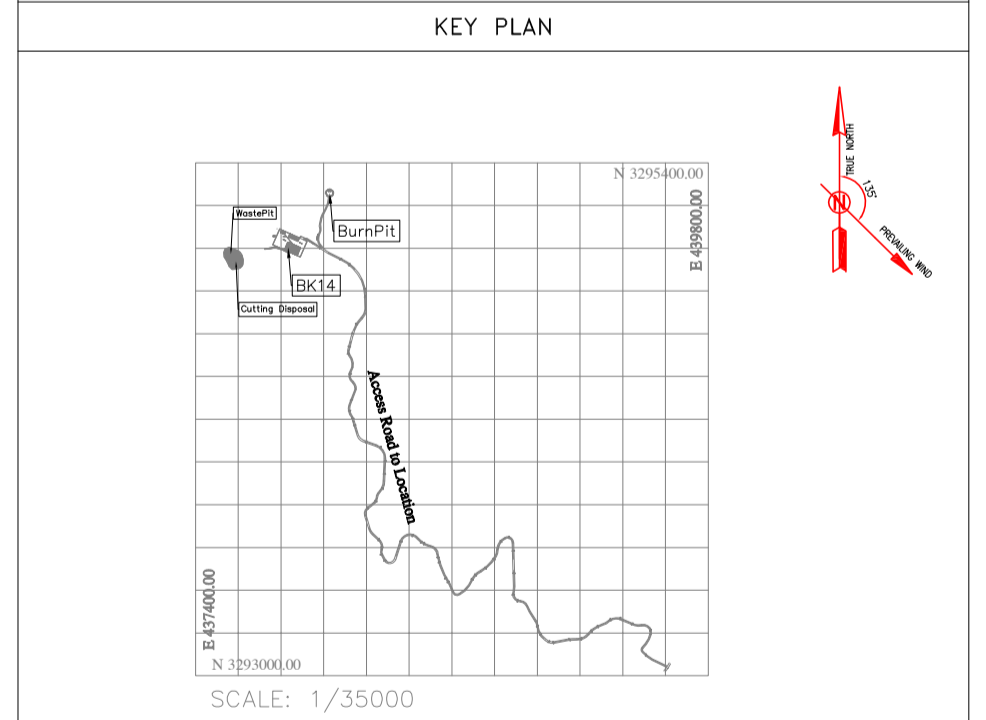
LEGEND

	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

ABBREVIATION

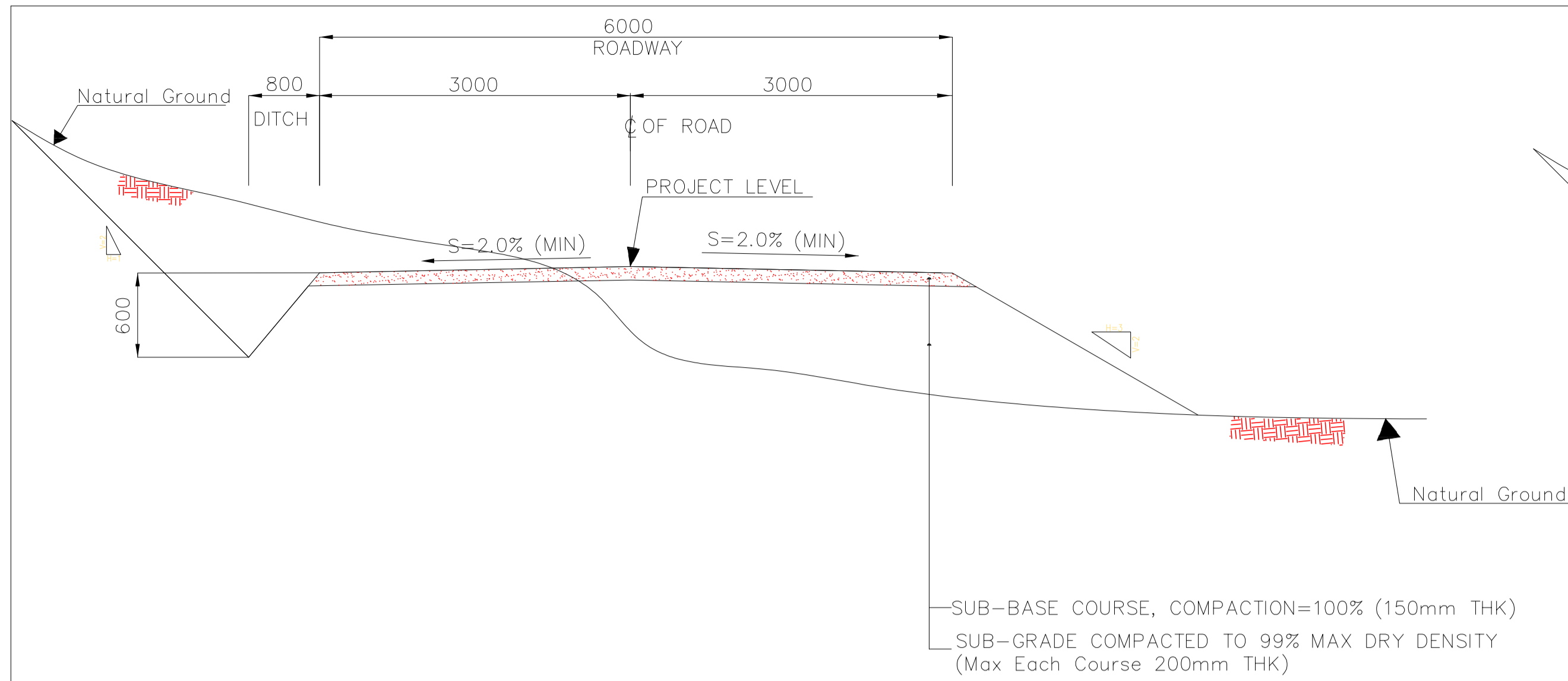
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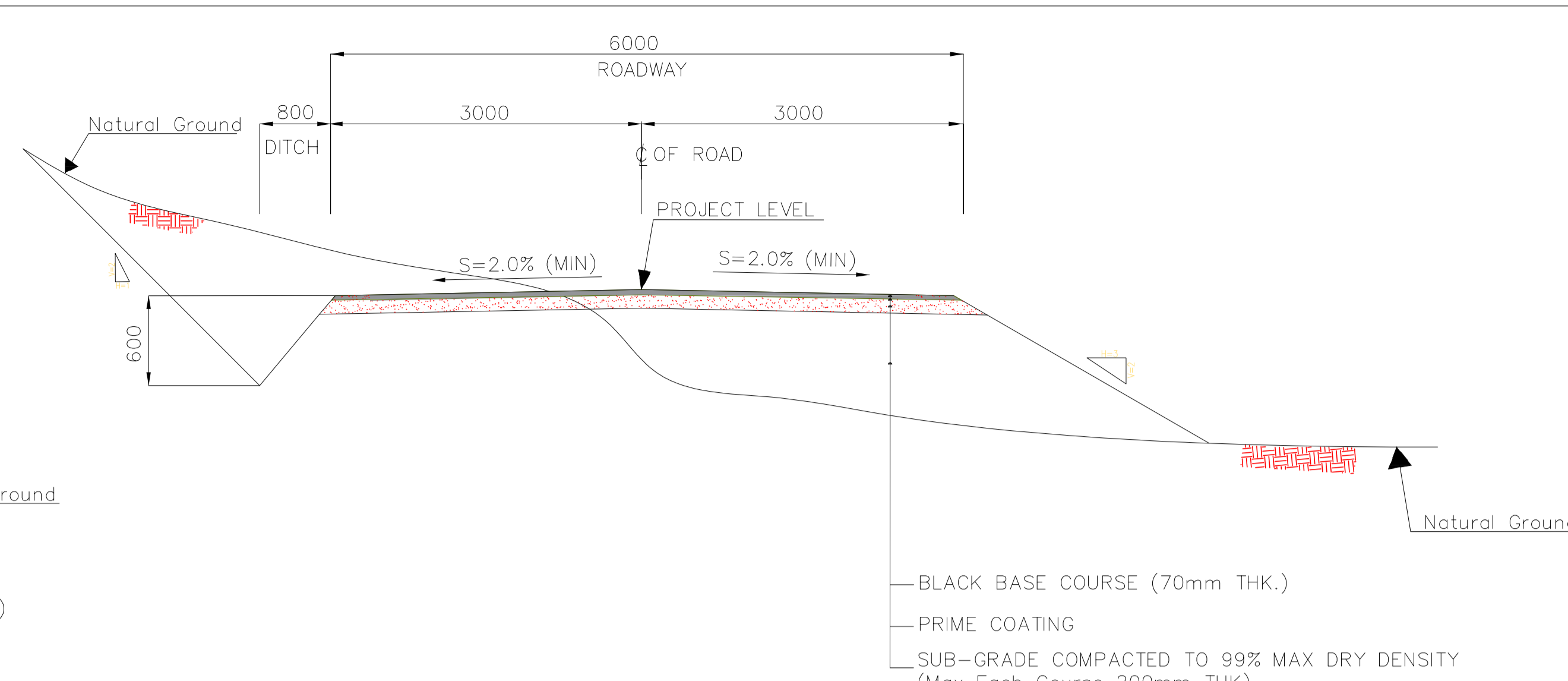
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
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 TRANSVERSAL SECTIONS						
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION
H=1:200 V=1:200	A1	BK-BK14-PEDCO-110-CV-DW-0001	89 OF 99	D05	053-073-9184	F

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



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.

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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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 - 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
	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
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

ABBREVIATION

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KEY PLAN

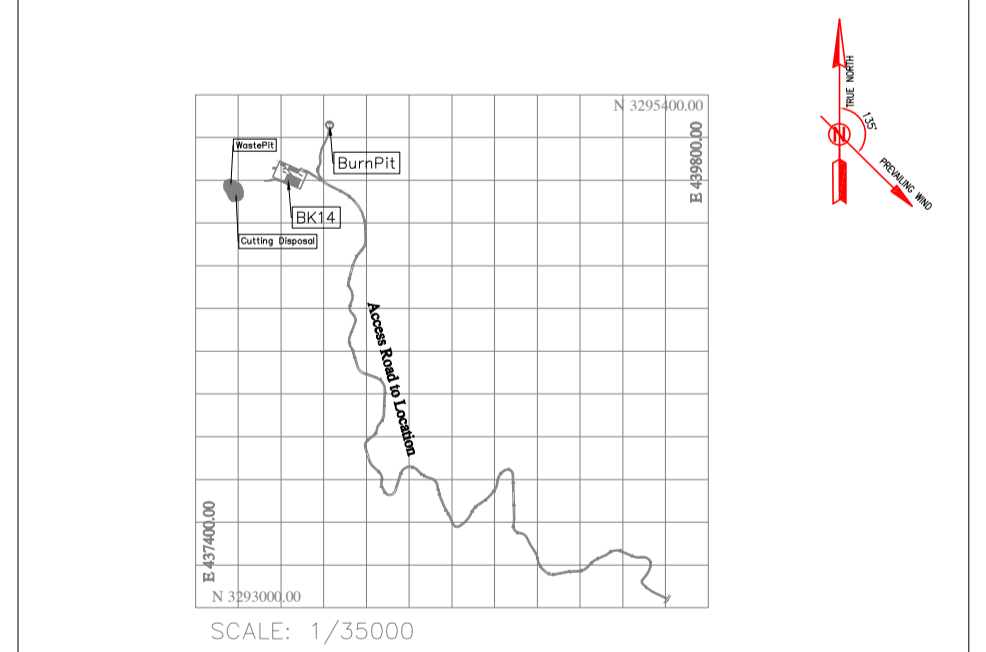


TABLE 1- ASPHALT AREA SPECIFICATION

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)
1	0+580	0+620	30
2	1+700	1+750	28
3	2+200	2+230	37

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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	***

اگر و کلیه نسخ این نقشه و حق امتیاز متعلق به شرکت ملی مناطق نفت خیز جنوب میباشد.
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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.
DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 ACCESS ROAD TRANSVERSAL SECTIONS				
APPROVED FOR CONSTRUCTION		BY:	DATE:	
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.
N.T.S.	A1	BK-BK14-PEDCO-110-CV-DW-0001	90 OF 99	D05

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

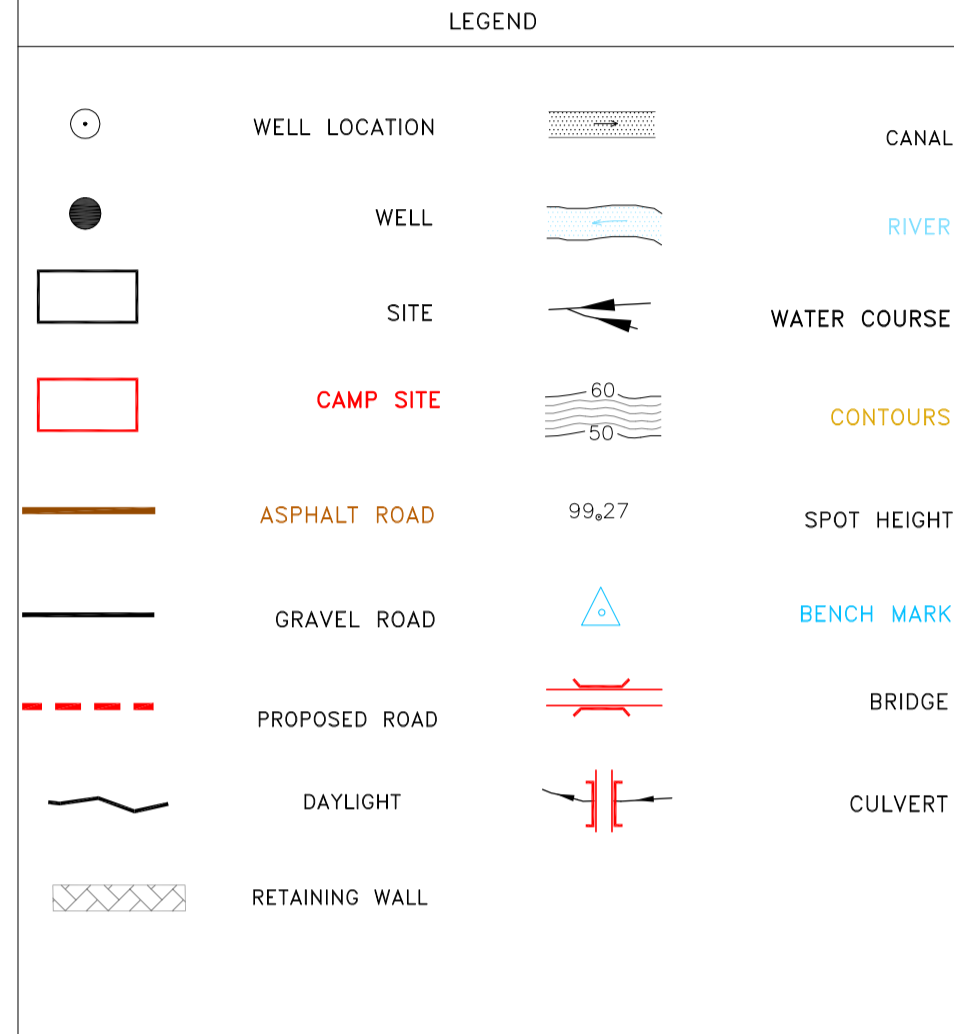
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
053-073-9184	F	4	S	708209	90	D05

EARTH WORK MATERIAL TAKE OFF-ACCESS ROAD BK14

Total Volume Table						Total Volume Table						Total Volume Table						Total Volume Table						Total Volume Table						Total Volume Table												
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol	Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol	Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol	Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol	Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol	Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Cut Vol							
0+000.00	6.38	0.00	0.00	0.00	0.00	0+780.00	0.00	3.41	0.00	35.49	92.69	1+560.00	0.00	5.53	0.00	6.30	488.02	2+340.00	0.00	1.18	0.00	10.02	310.00	0.00	2.40	0.00	7.29	608.04	3+180.00	0.00	0.07	0.56	0.26	12.14	699.56	3+960.00	0.00	0.00	0.00	0.00	0.00	11577.50

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 - SITE
 - CAMP SITE
 - ASPHALT ROAD
 - GRAVEL ROAD
 - PROPOSED ROAD
 - DAYLIGHT
 - RETAINING WALL
 - CANAL
 - RIVER
 - WATER COURSE
 - CONTOURS
 - SPOT HEIGHT
 - BRIDGE
 - CULVERT



REFERENCE DRAWING	DRG. No.
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Specification For Earth Work	BK-GN-GRAL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GN-GRAL-PEDCO-000-CV-SW-0002
Geotechnical Investigation Report - BK14	BK-BK14-PEDCO-110-GT-RT-0001
Specification For Road & Paving	BK-GN-GRAL-PEDCO-000-CV-SP-0002

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 PROJECT NO.: 971020
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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

DRAWING TITLE: CIVIL AND STRUCTURAL DRAWINGS - BK14 ACCESS ROAD TRANSVERSAL SECTIONS
 NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED
 APPROVED FOR CONSTRUCTION BY: DATE:

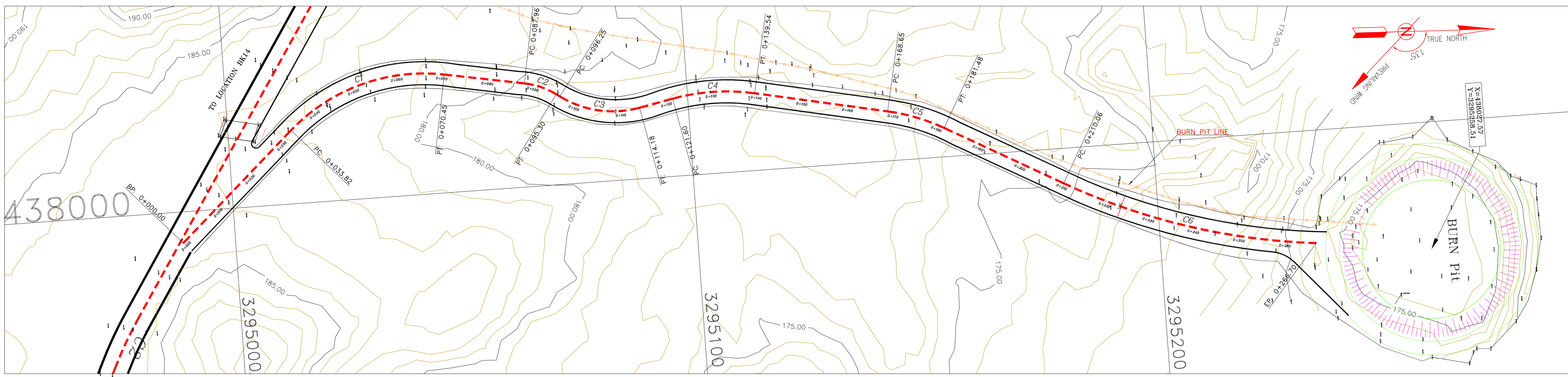
SCALE	SIZE	DRAWING NO.	SHEET NO.	REV.	BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION
N.T.S.	A1	BK-BK14-PEDCO-110-CV-DW-0001	91 OF 99	D05	053-073-9184	F	4	S	708209	91	D05

AREA (m2) , VOLUME (m3)

Cut/Fill Summary

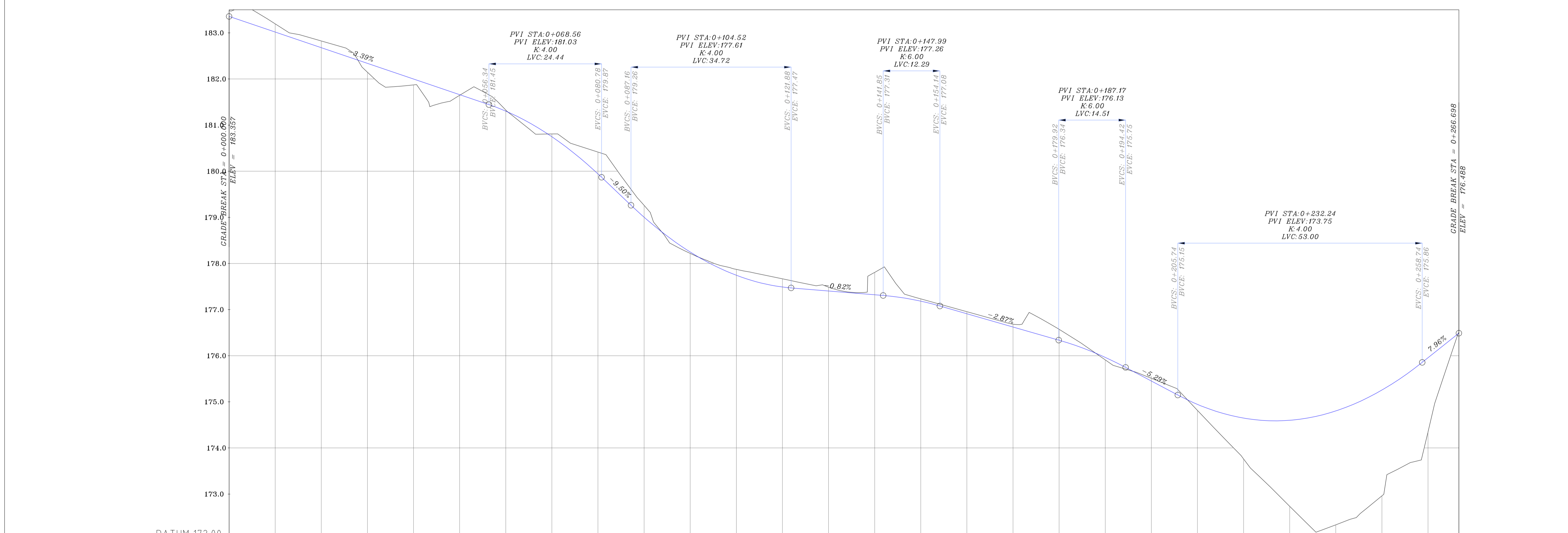
Name	Cut Factor	Fill Factor	Cut	Fill
ACCESS ROAD TO BK14	1.000	1.000	12240.93 Cu.M.	671.04 Cu.M.

Cut and Fill Volume Table for Access Road to BK14



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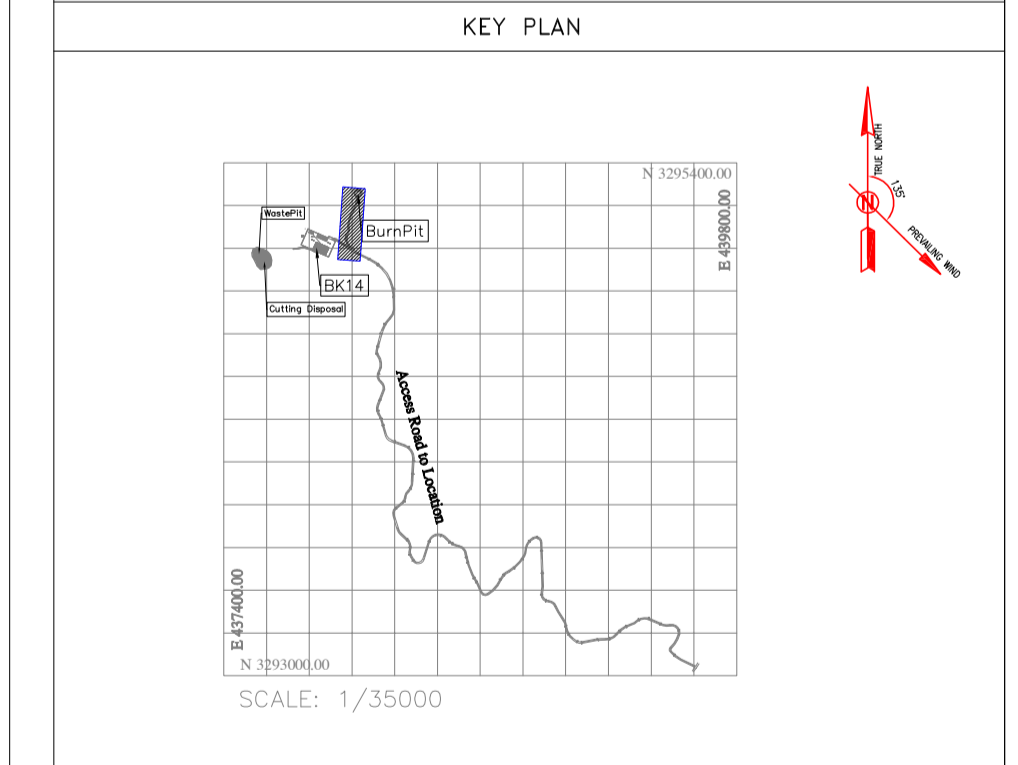
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 - BRIDGE
 - CULVERT
 - OIL LINE
 - BURN PIT LINE
 - NEW BURN PIT LINE



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



PROJECT ELEVATION	GROUND ELEVATION	PIQUET NUMBER	METERS	KILO & HECTOMETER	METERS	CURVES
183.357	183.357	0	0.00	0+000	0.00	L=33.821
183.183	183.183	2	10.00	0+020	10.00	D=52°36'54" R=39.89
182.609	182.609	3	30.00	0+030	30.00	D=25°03'36" R=16.79
182.34	182.34	4	30.00	0+040	30.00	D=46°40'44" R=22.00
182.00	182.00	5	40.00	0+050	40.00	L=7.419
181.66	181.66	7	50.00	0+060	50.00	D=23°03'52" R=44.57
181.30	181.30	9	60.00	0+070	60.00	L=29.111
180.76	180.76	10	70.00	0+080	70.00	D=17°07'16" R=42.99
179.94	179.94	12	80.00	0+090	80.00	L=28.582
179.00	179.00	13	80.00	0+100	80.00	
178.25	178.25	14	90.00	0+110	90.00	
177.74	177.74	15	100.00	0+120	100.00	
177.49	177.49	16	110.00	0+130	110.00	
177.40	177.40	17	120.00	0+140	120.00	
177.32	177.32	18	130.00	0+150	130.00	
177.18	177.18	19	140.00	0+160	140.00	
176.91	176.91	20	150.00	0+170	150.00	
176.82	176.82	21	160.00	0+180	160.00	
176.34	176.34	22	170.00	0+190	170.00	
175.99	175.99	23	180.00	0+200	180.00	
175.45	175.45	24	190.00	0+210	190.00	
174.94	174.94	25	200.00	0+220	200.00	
174.65	174.65	26	210.00	0+230	210.00	
174.60	174.60	27	220.00	0+240	220.00	
174.80	174.80	28	230.00	0+250	230.00	
175.25	175.25	29	240.00	0+260	240.00	
175.99	175.99	30	250.00	0+270	250.00	
176.48	176.48	31	260.00	0+280	260.00	

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	PI Station	Northing	Easting
0+000.00	3294988.64	438006.78	0+000.00	3294988.64	438006.78
0+010.00	3294996.05	438000.06	0+230.00	3295198.08	438015.98
0+020.00	3295003.46	437993.34	0+240.00	3295207.54	438019.21
0+030.00	3295010.87	437986.63	0+250.00	3295217.21	438021.76
0+040.00	3295018.28	437980.28	0+260.00	3295227.04	438023.61
0+050.00	3295027.53	437973.89	0+266.70	3295233.68	438024.46
0+060.00	3295037.30	437973.86	0+105.75	3295080.14	437978.46
0+070.00	3295047.26	437974.31	0+130.69	3295105.65	437981.41
0+080.00	3295057.10	437976.11	0+175.11	3295149.36	437990.60
0+090.00	3295066.91	437978.04	0+238.77	3295205.12	438021.50
0+100.00	3295075.63	437982.85	0+266.70	3295233.68	438024.46
0+110.00	3295084.30	437988.03			
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

REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFK	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***
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D00	OCT.2022	IFC	R.BERLOUEI	M.FAKHARIAN	M.MEHRSHAD	***

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

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

SHEET NO. 92 OF 99

REV. D05

BUDGET REF. 053-073-9184

LOCATION F

SIZE 4

CLASS S

SERIAL NO. 708209

SHEET 92

REVISION D05

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

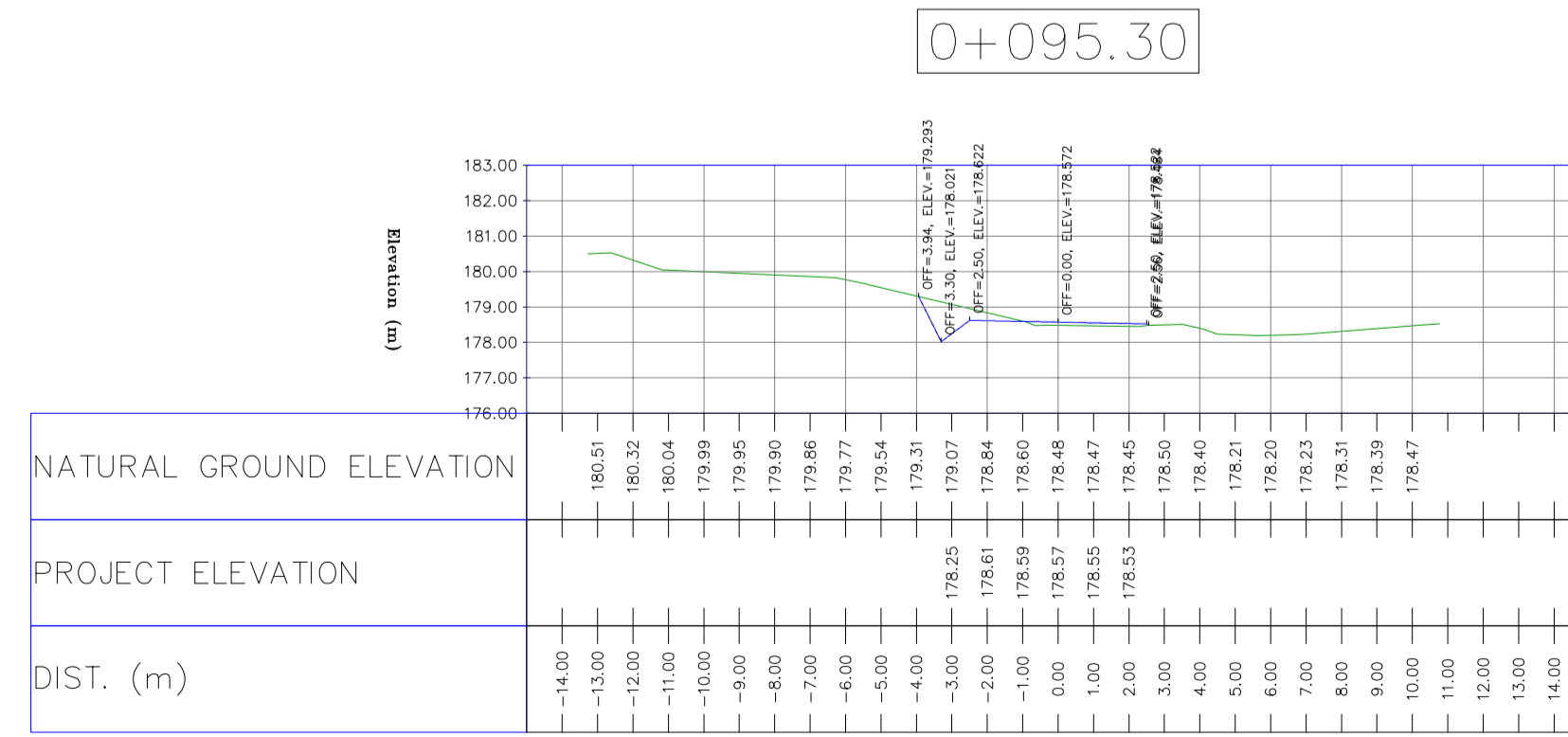
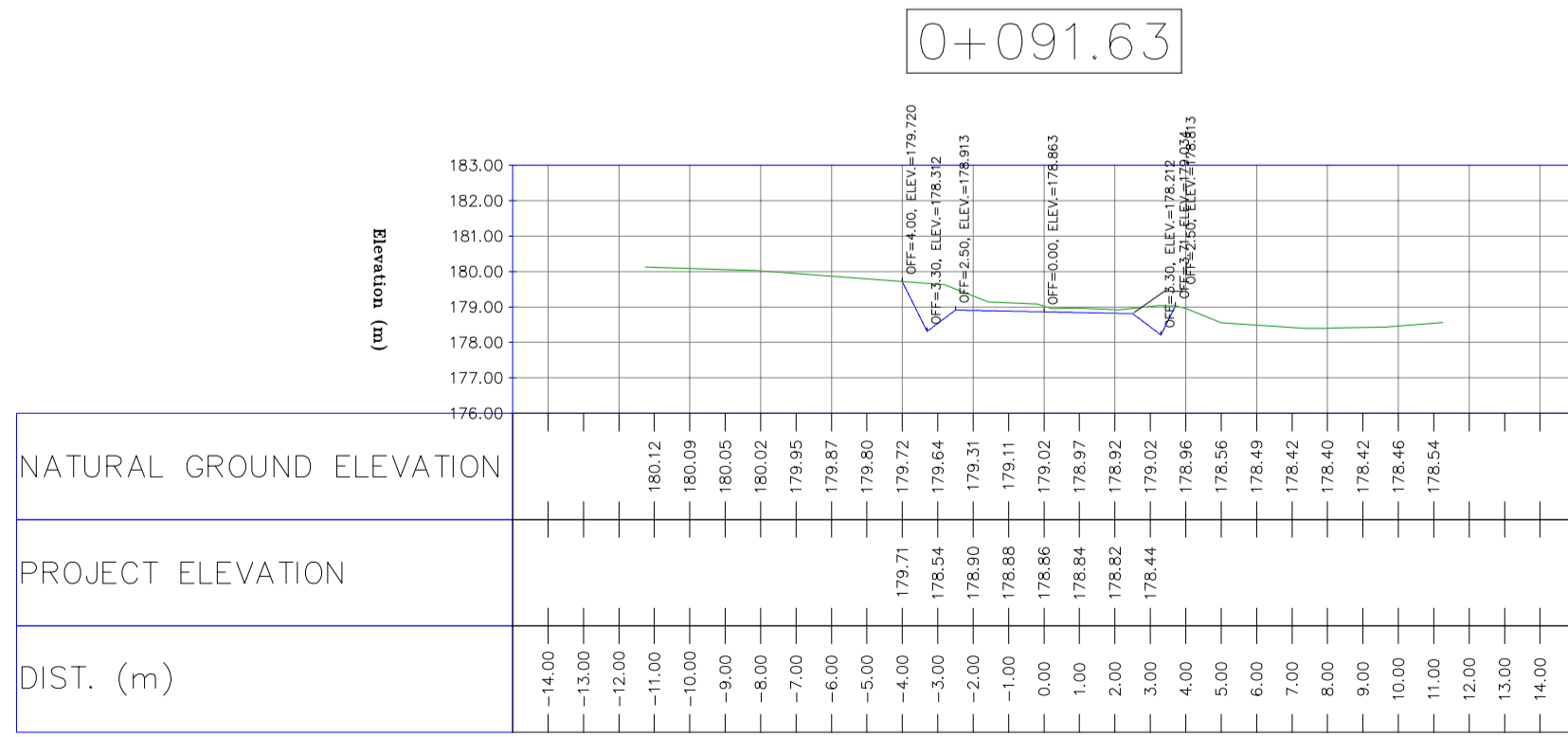
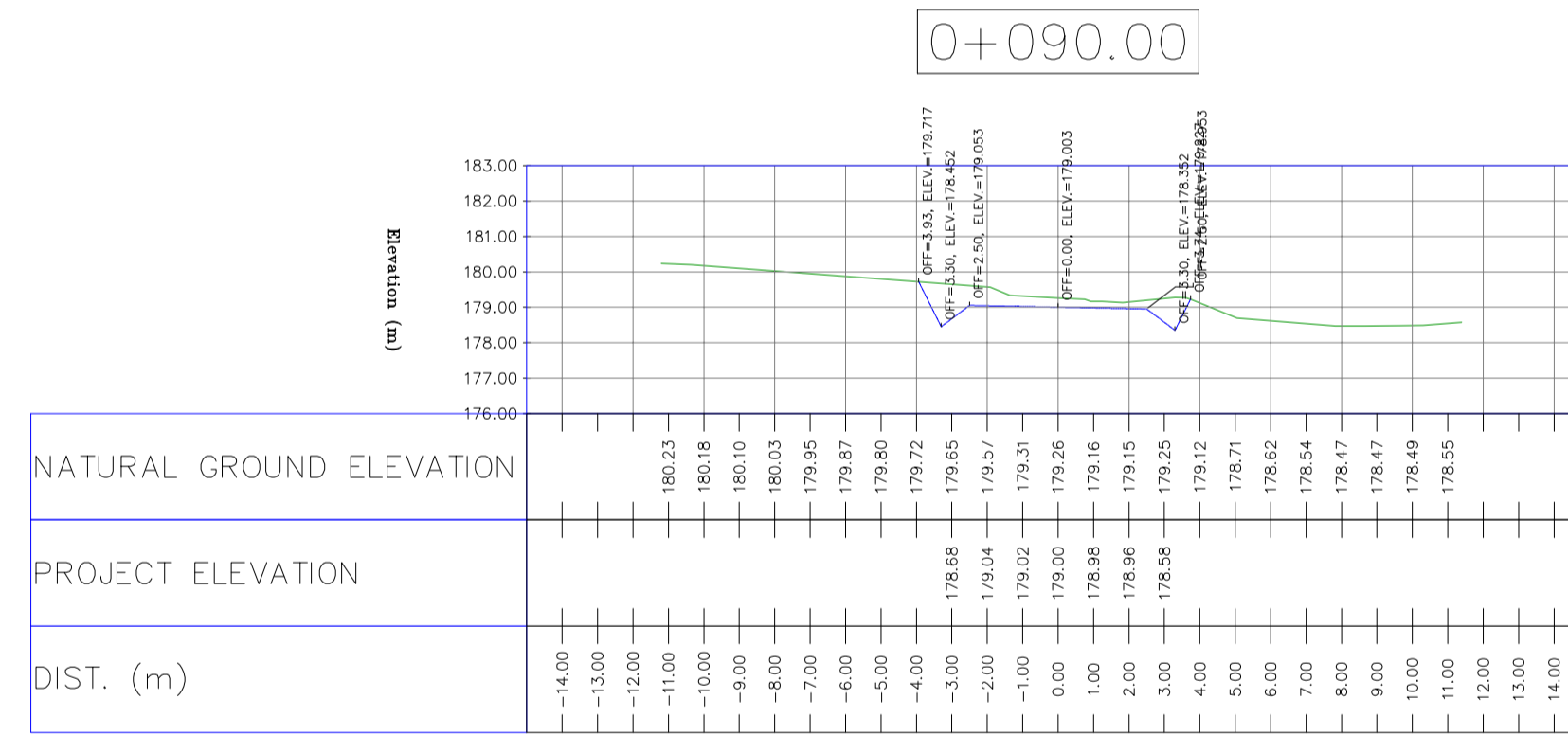
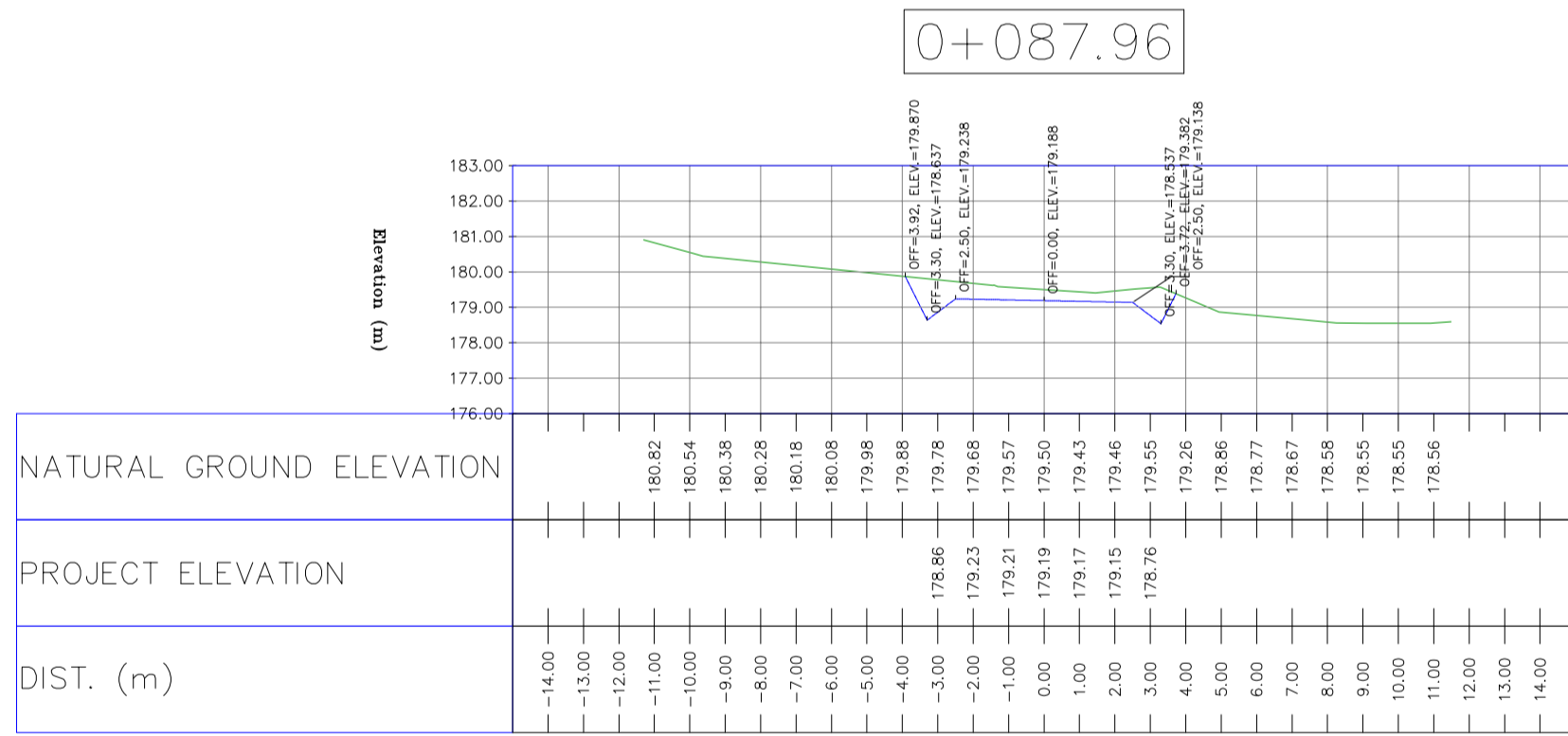
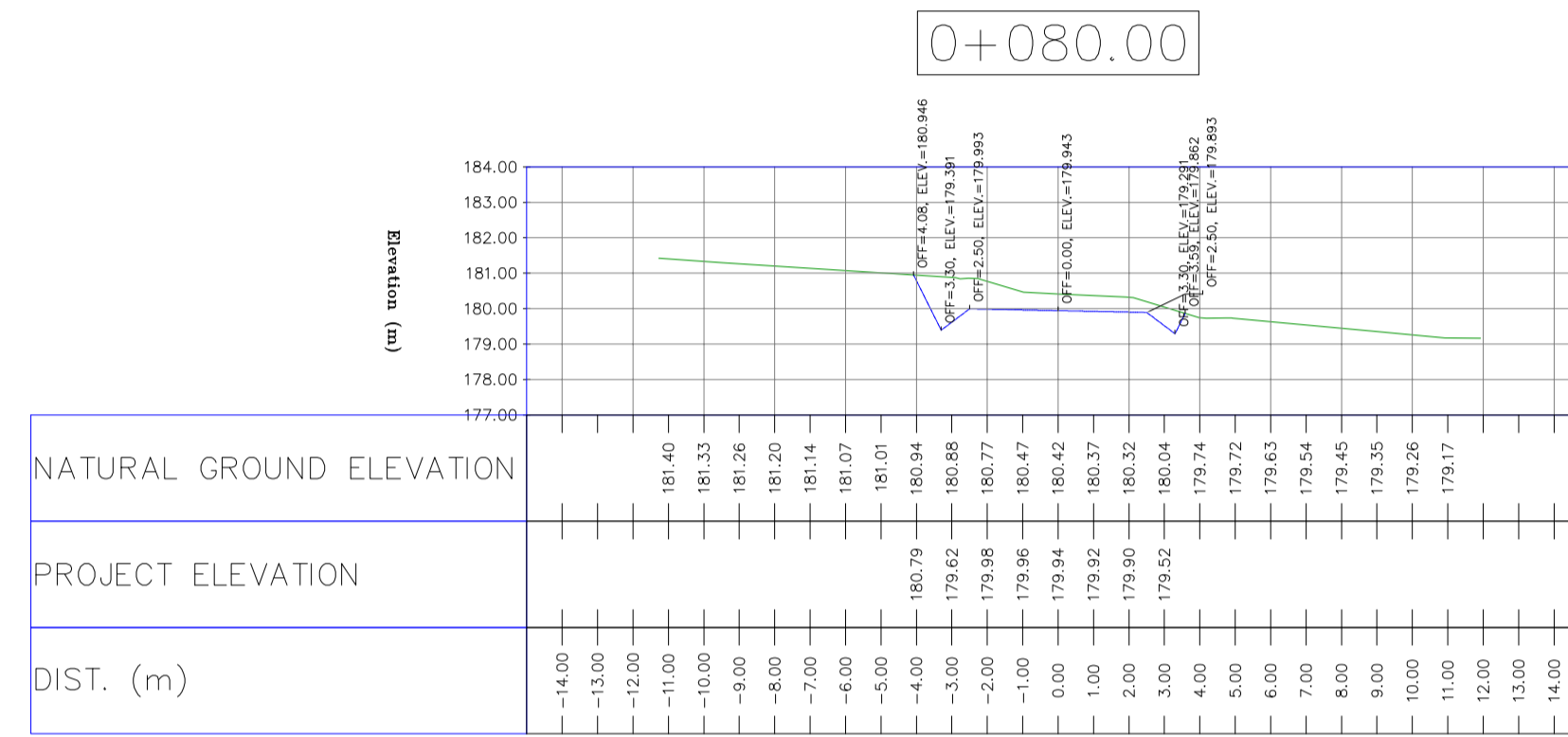
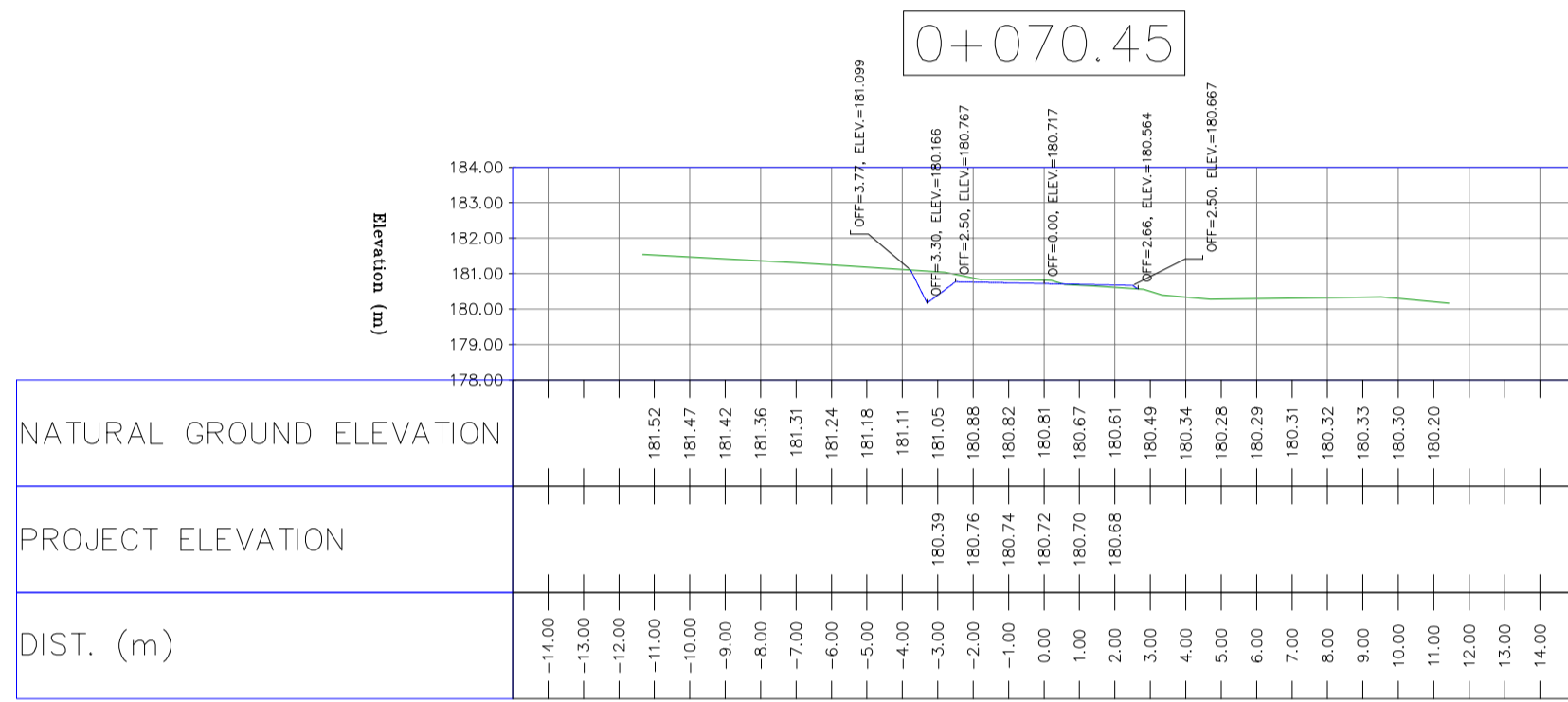
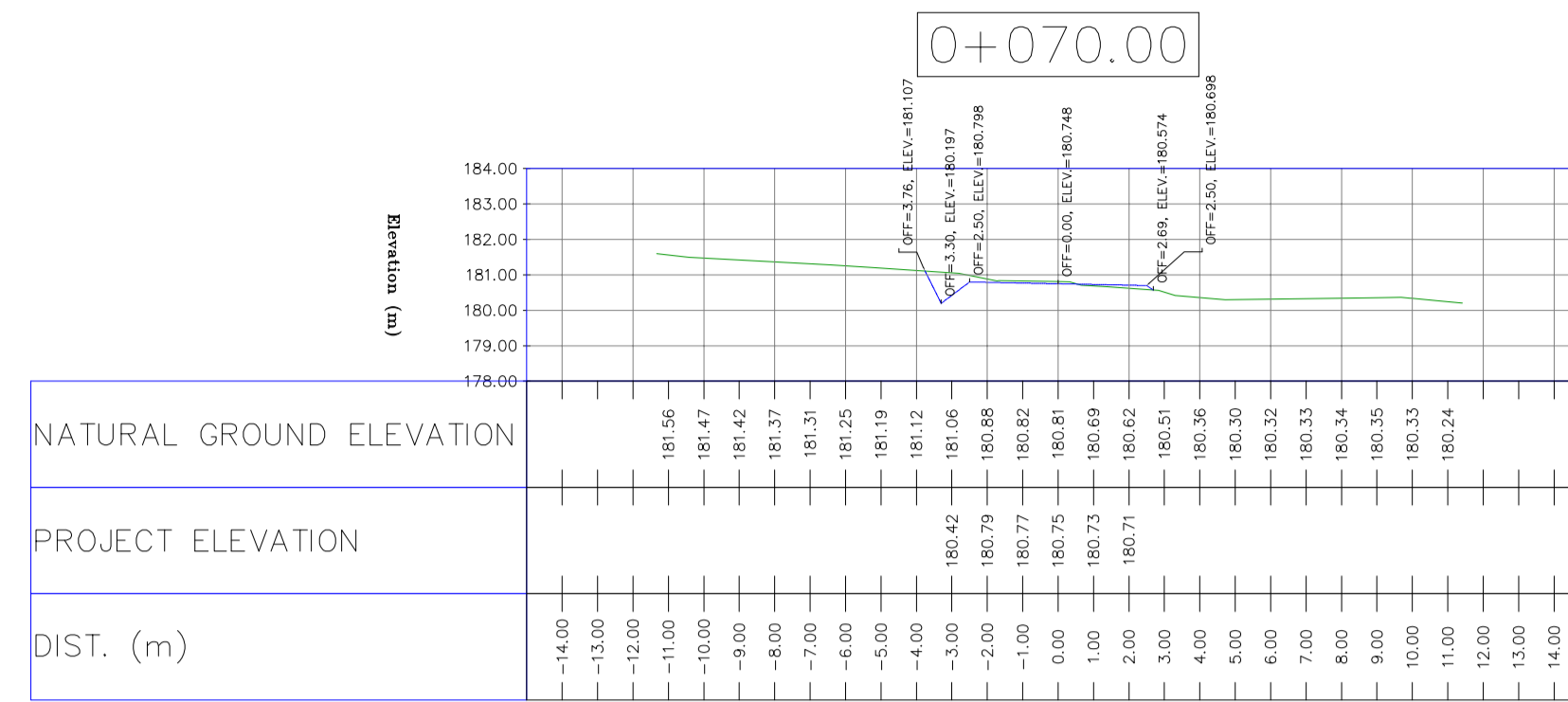
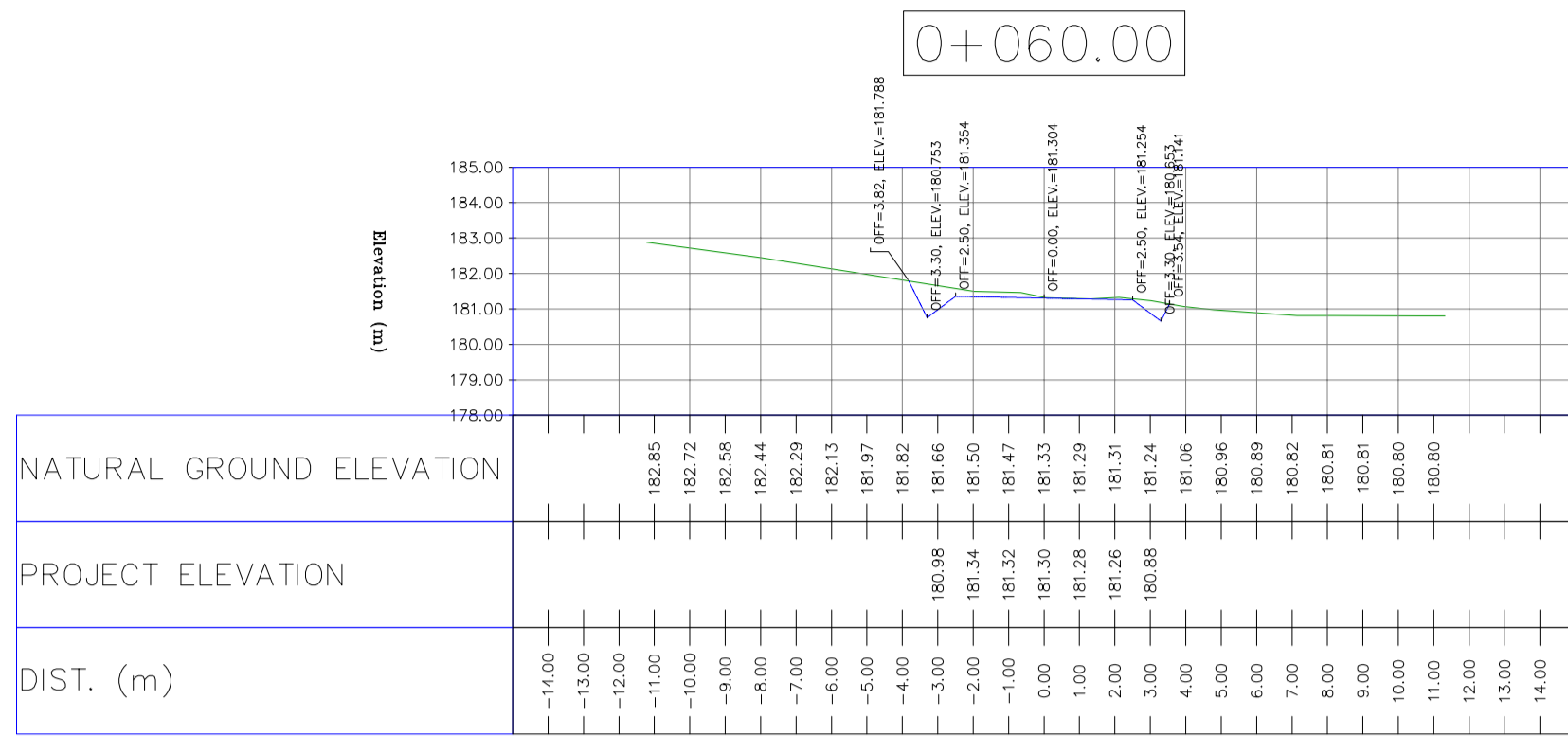
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BINAK OILFIELD DEVELOPMENT
 SUB-SURFACE WORK PACKAGES
 BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

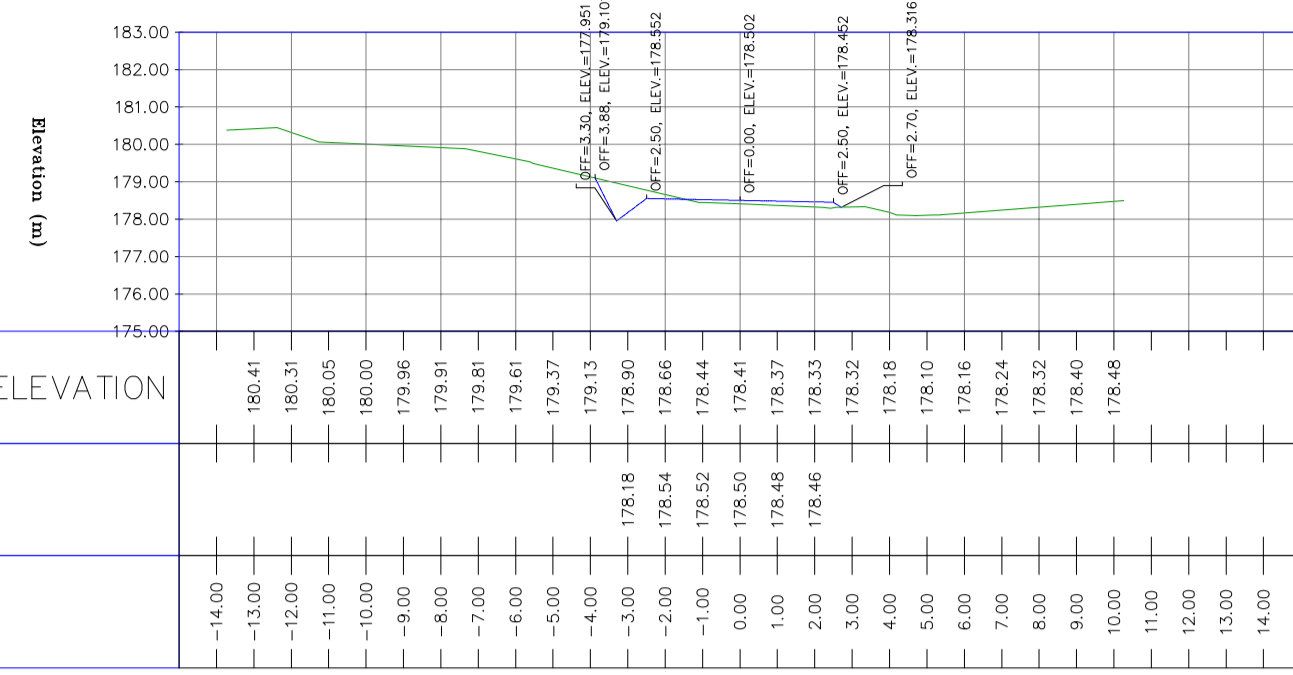
APPROVED FOR CONSTRUCTION	BY:	DATE:



NOTES

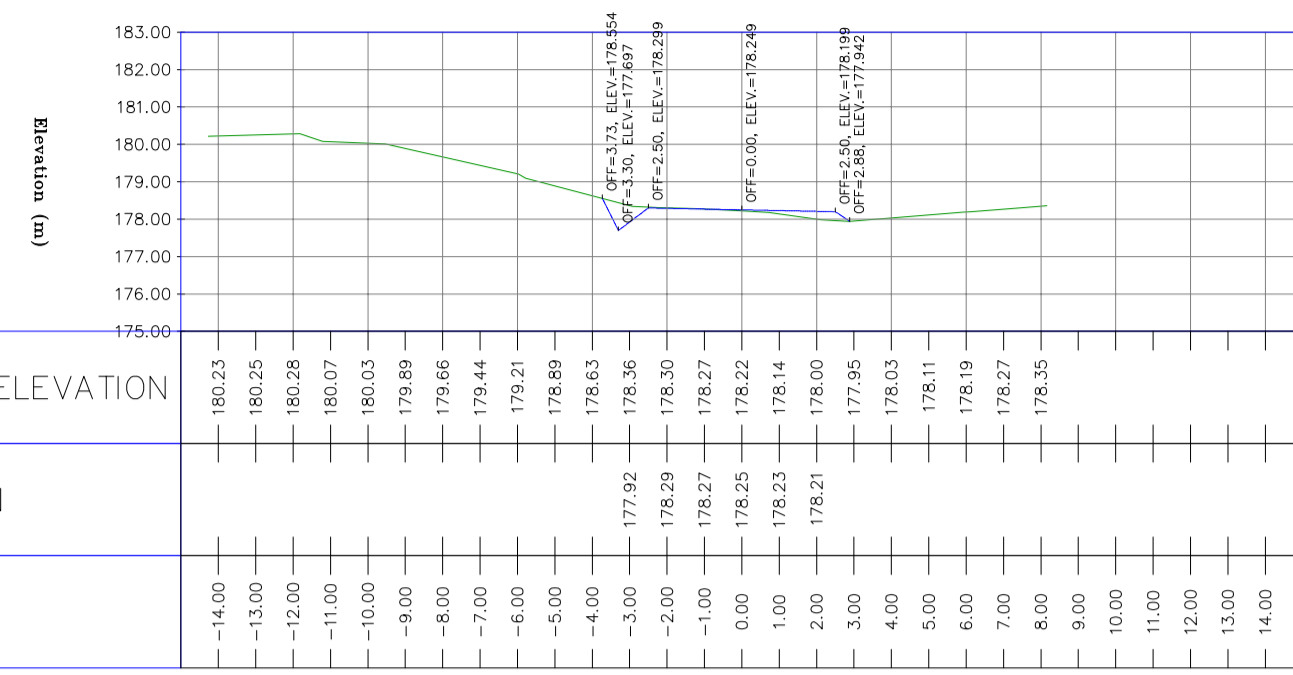
- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
- 2-ALL DRAWINGS SHALL BE CHECKED BY CONTRACTOR WITH RELATIVE DRAWINGS BEFORE CONSTRUCTION.
- 3-GEODETIC PARAMETERS FOR COORDINATES ARE AS BELOW:
HORIZONTAL COORDINATE SYSTEM: WGS84/UTM ZONE 39
ELLIPSOID: WORLD GEODETIC SYSTEM 1984 (WGS84)
MAP PROJECTION: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

0+096.25



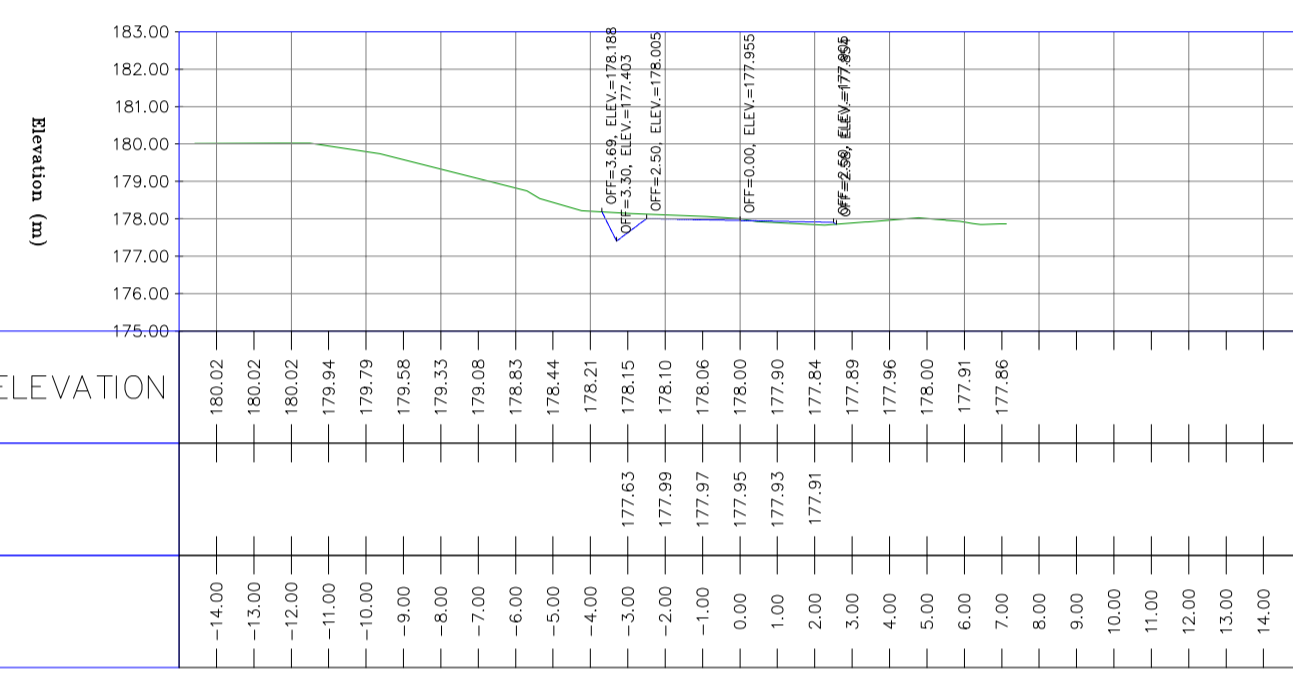
NATURAL GROUND ELEVATION
PROJECT ELEVATION
DIST. (m)

0+100.00



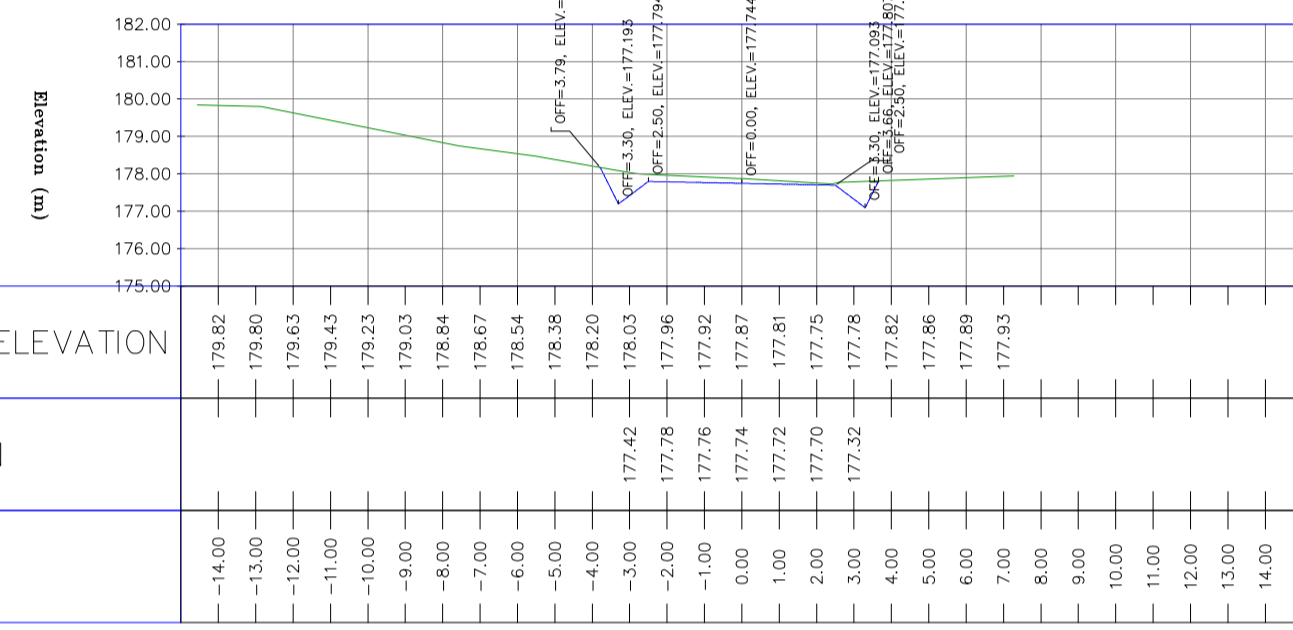
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PROJECT ELEVATION
DIST. (m)

0+105.21



NATURAL GROUND ELEVATION
PROJECT ELEVATION
DIST. (m)

0+110.00



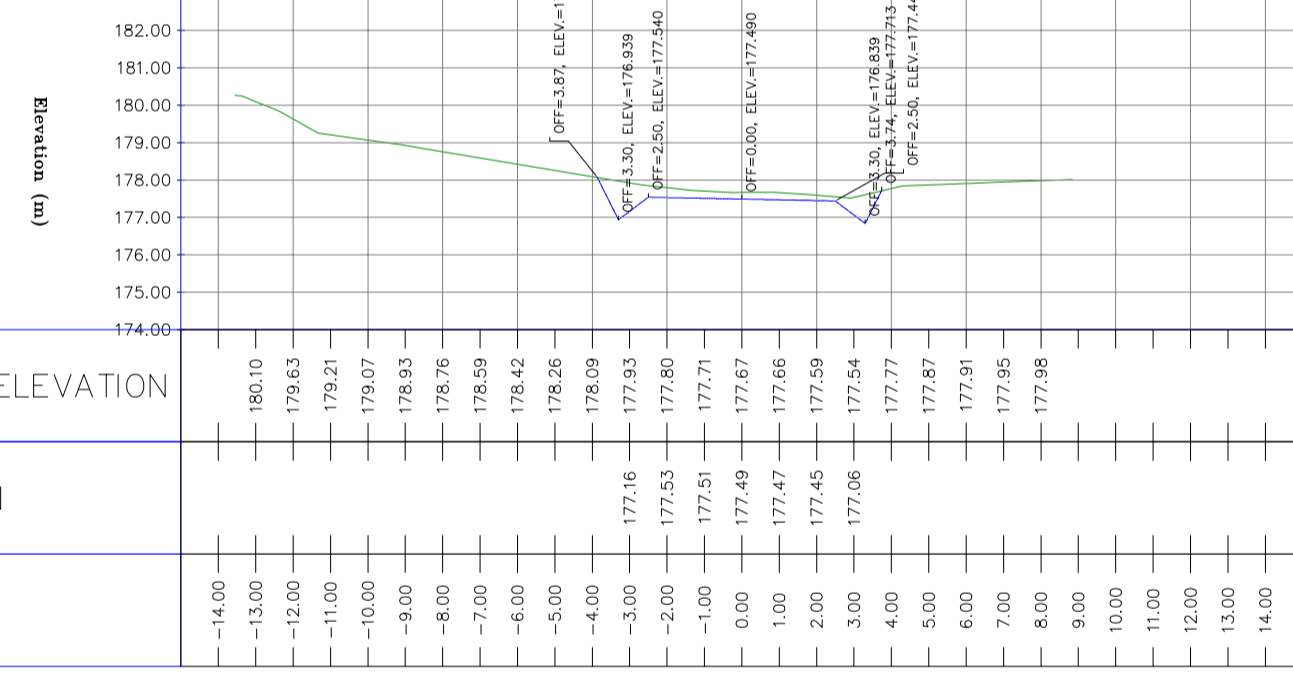
NATURAL GROUND ELEVATION
PROJECT ELEVATION
DIST. (m)

0+114.18



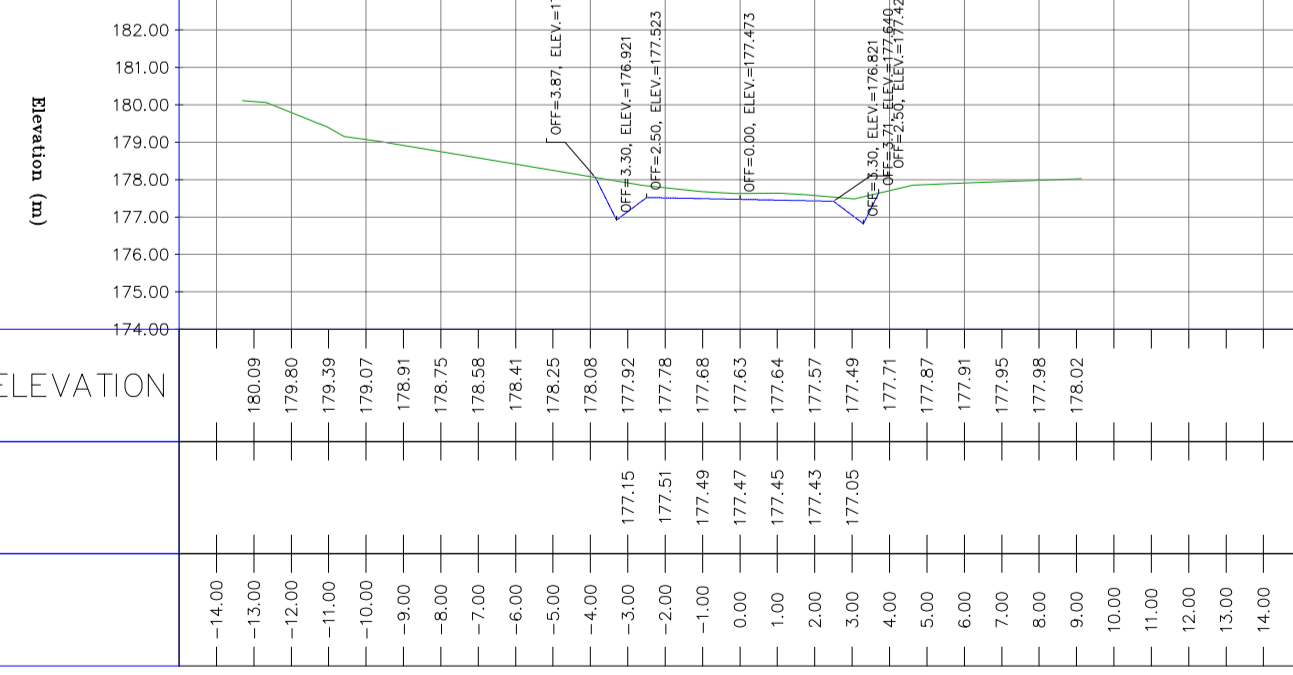
NATURAL GROUND ELEVATION
PROJECT ELEVATION
DIST. (m)

0+120.00



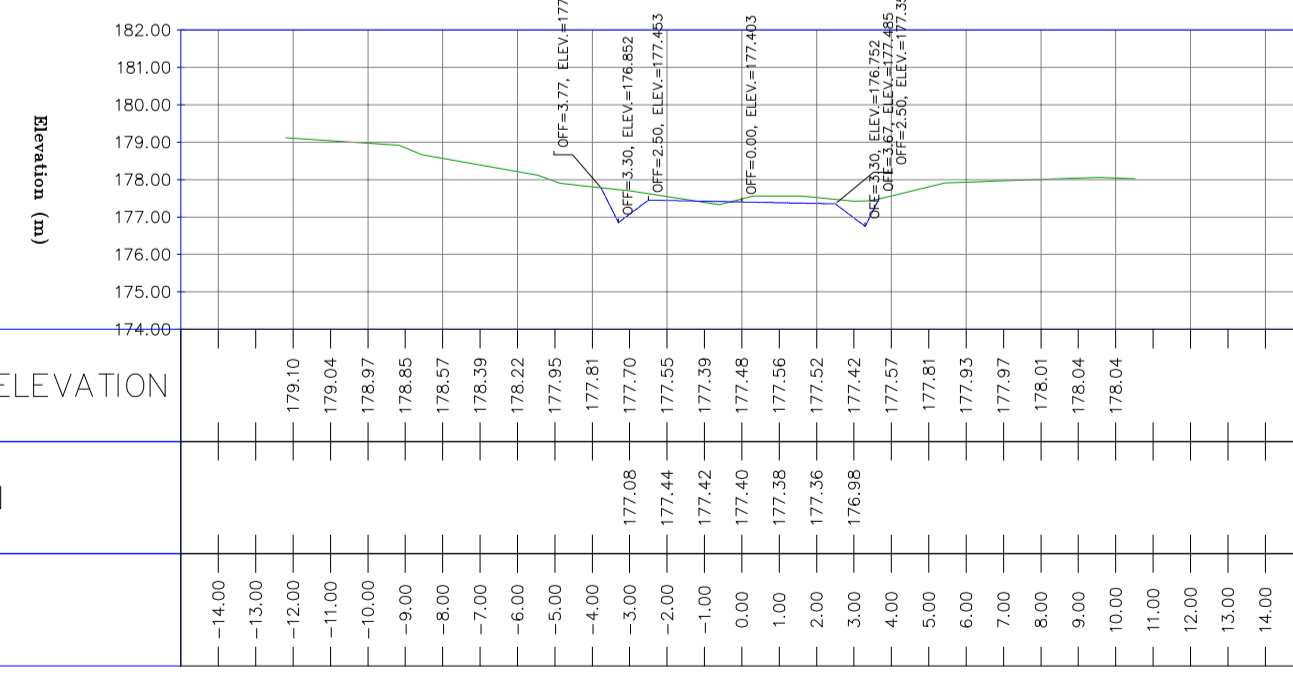
NATURAL GROUND ELEVATION
PROJECT ELEVATION
DIST. (m)

0+121.60



NATURAL GROUND ELEVATION
PROJECT ELEVATION
DIST. (m)

0+130.00

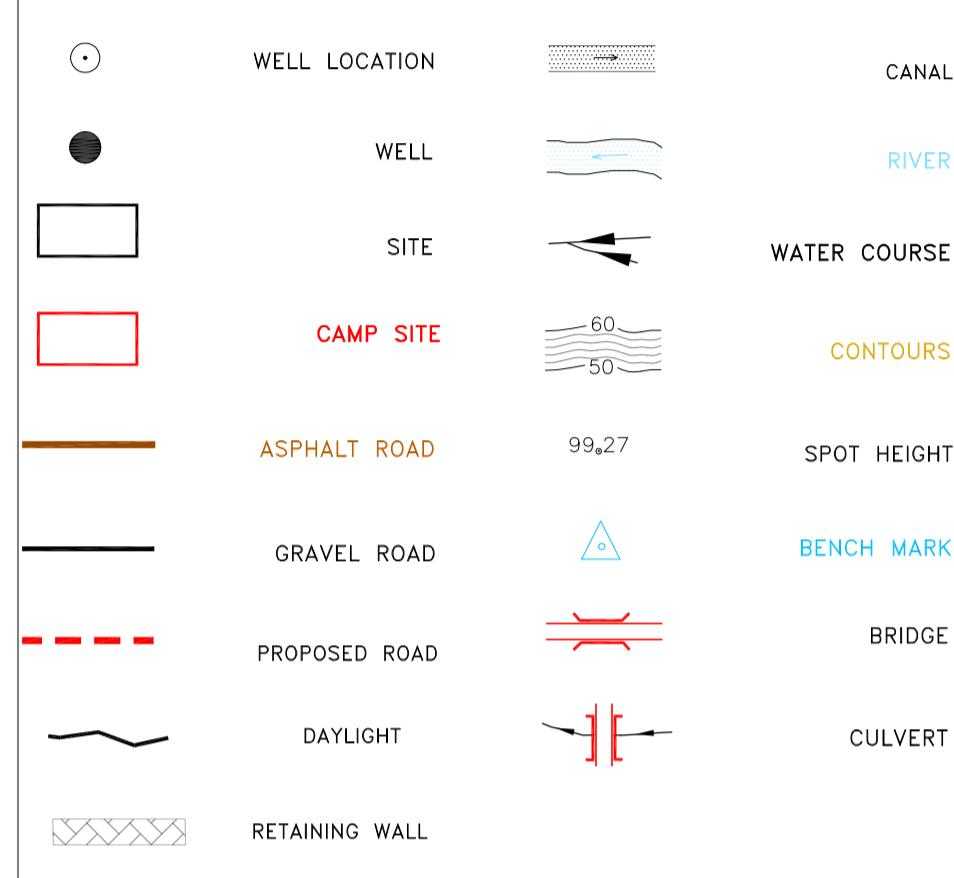


NATURAL GROUND ELEVATION
PROJECT ELEVATION
DIST. (m)

NOTES

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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-PEDCO-110-PI-DW-0001

LEGEND

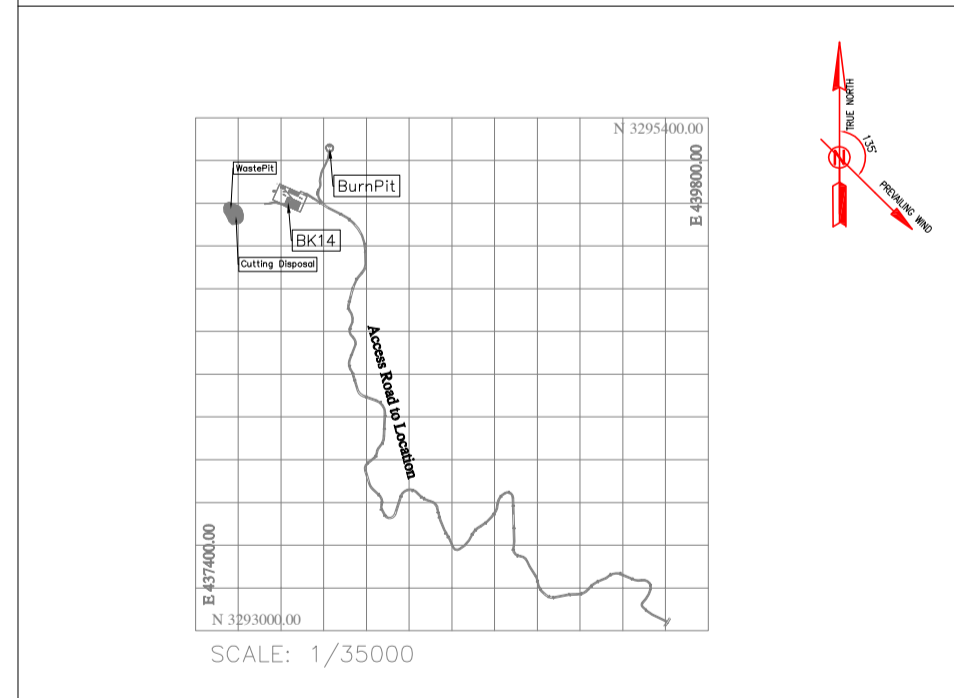


REFERENCE DRAWING	DRG. No.
General Civil Layout - BK14	BK-BK14-PEDCO-110-CV-PY-0001
Rough Grading Plan-BK14	BK-BK14-PEDCO-110-CV-PY-0003
Specification For Earth Work	BK-GNRL-PEDCO-000-CV-SP-0004
Standard Drawing For Slope Protection Details	BK-GNRL-PEDCO-000-CV-DW-0002
Geotechnical Investigation Report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



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D03	MAY.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSSENI	***
D02	MAR.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D00	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

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

SCALE: H=1:200 V=1:200

SIZE: A1

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

SHEET NO.: 95 OF 99

REV.: D05

BUDGET REF.: 053-073-9184

LOCATION: F

SIZE: 4

CLASS: S

SERIAL NO.: 708209

SHEET: 95

REVISION: D05

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

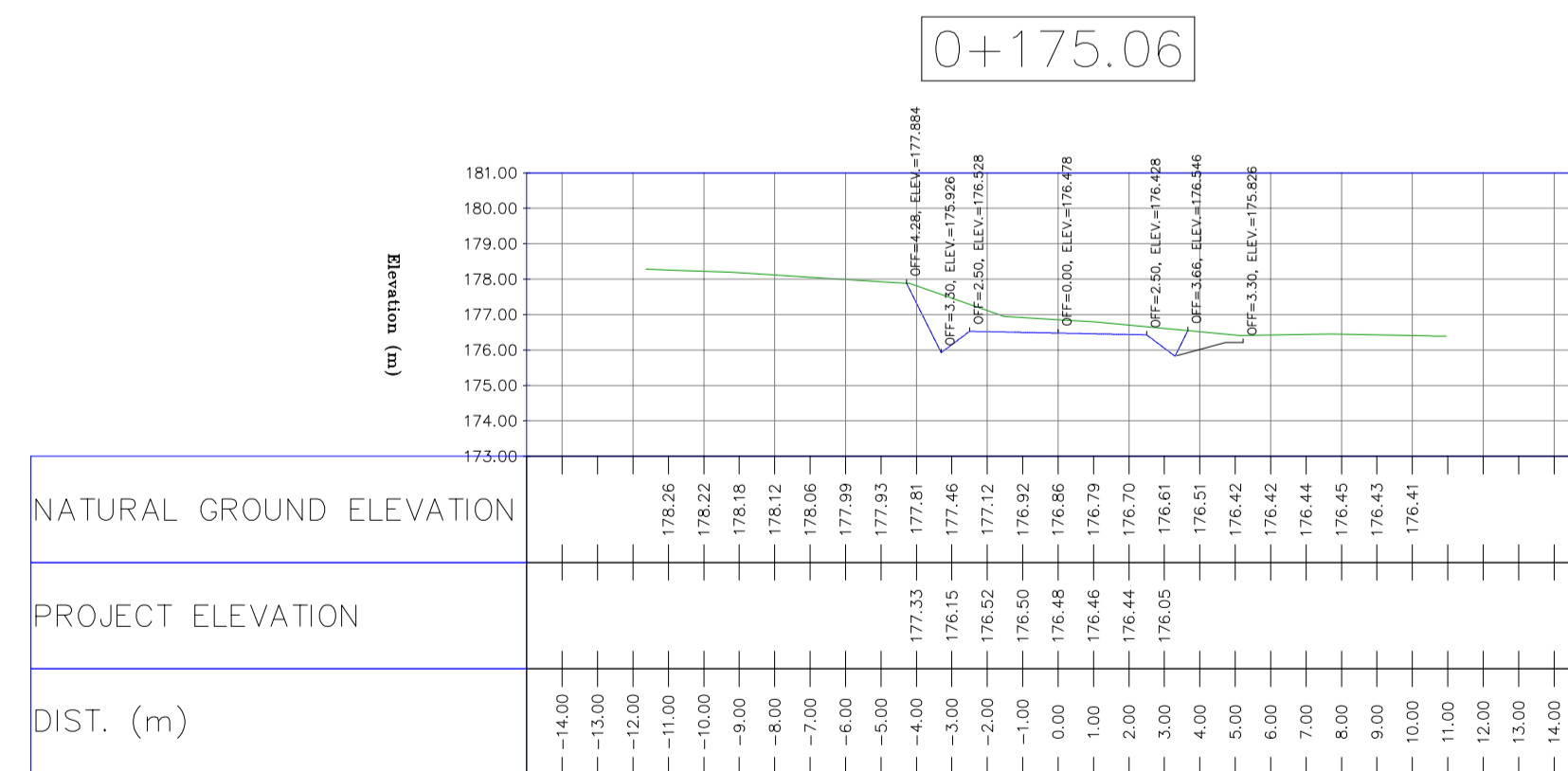
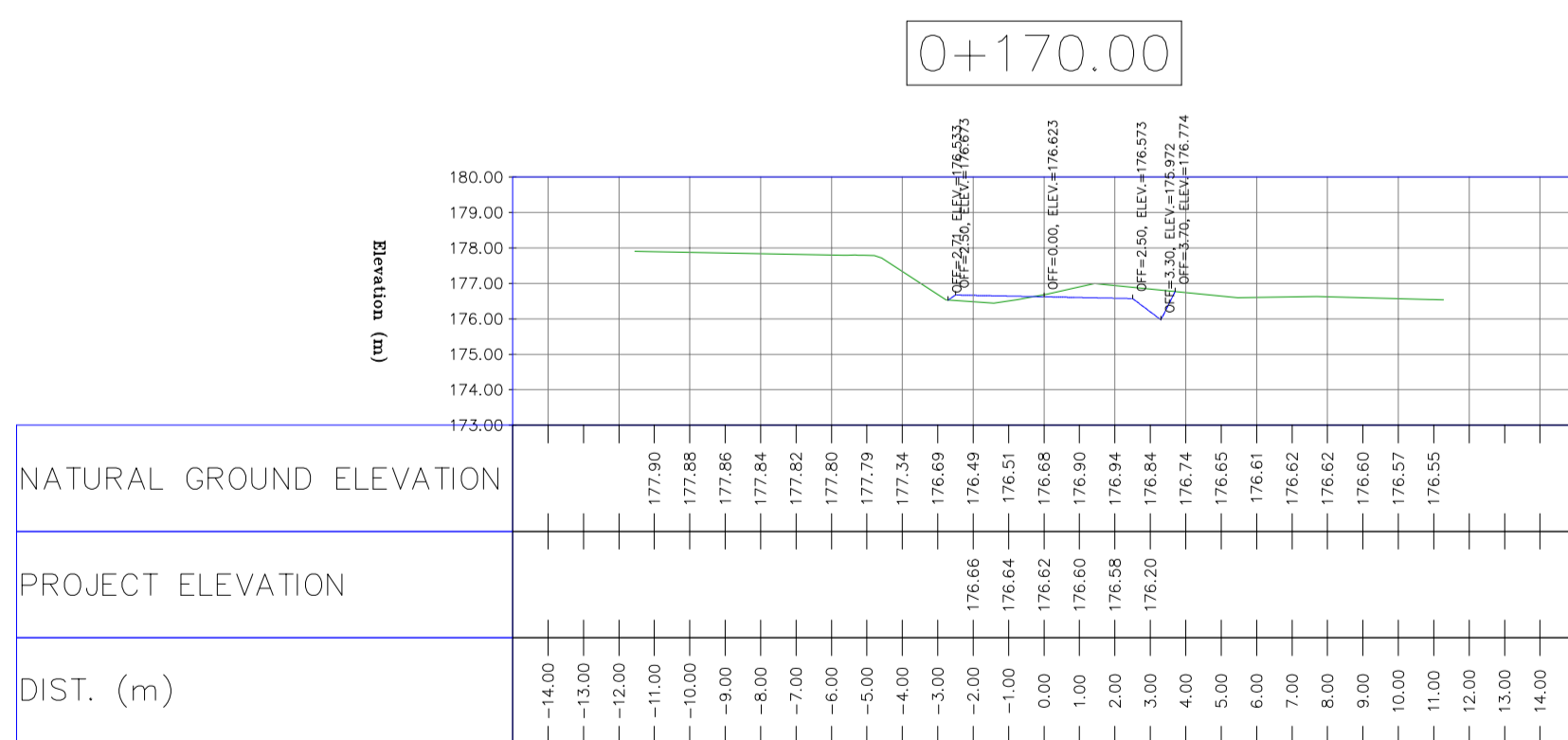
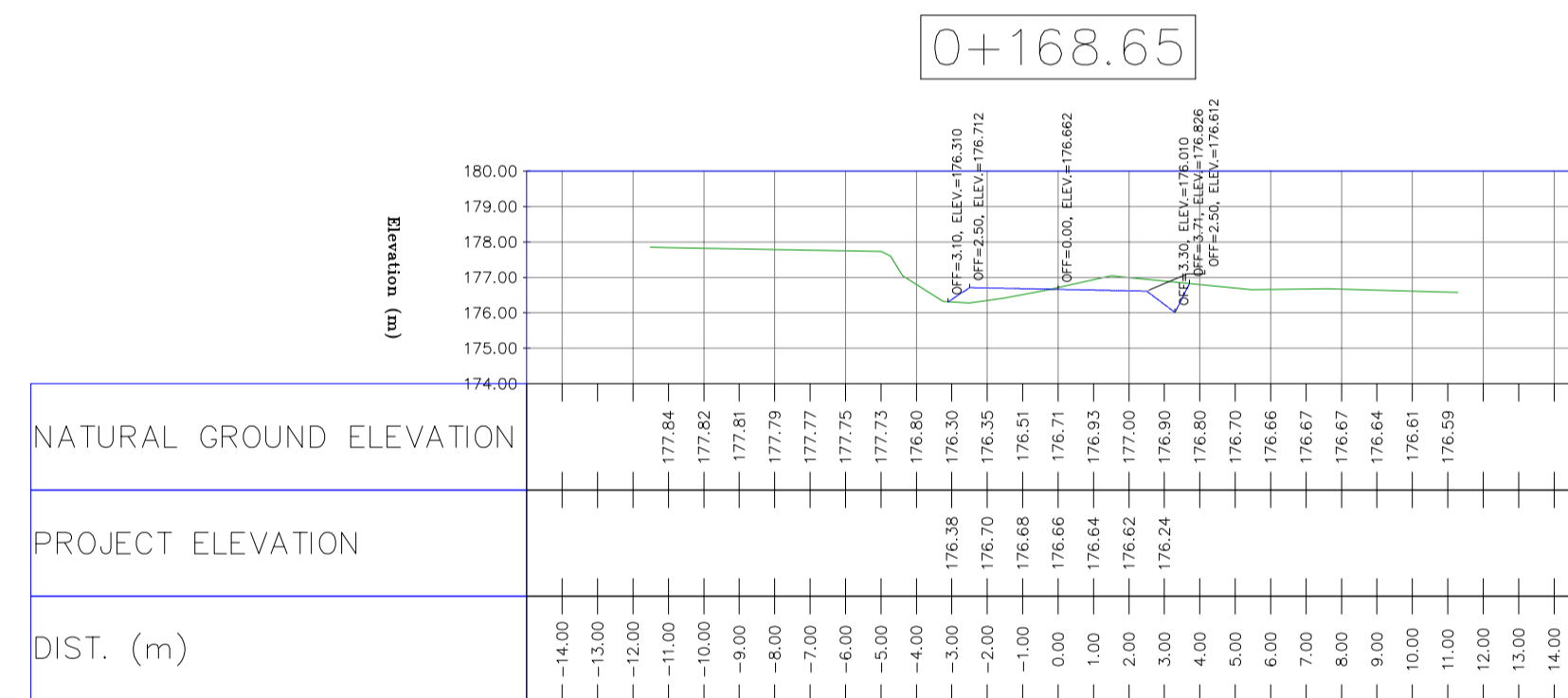
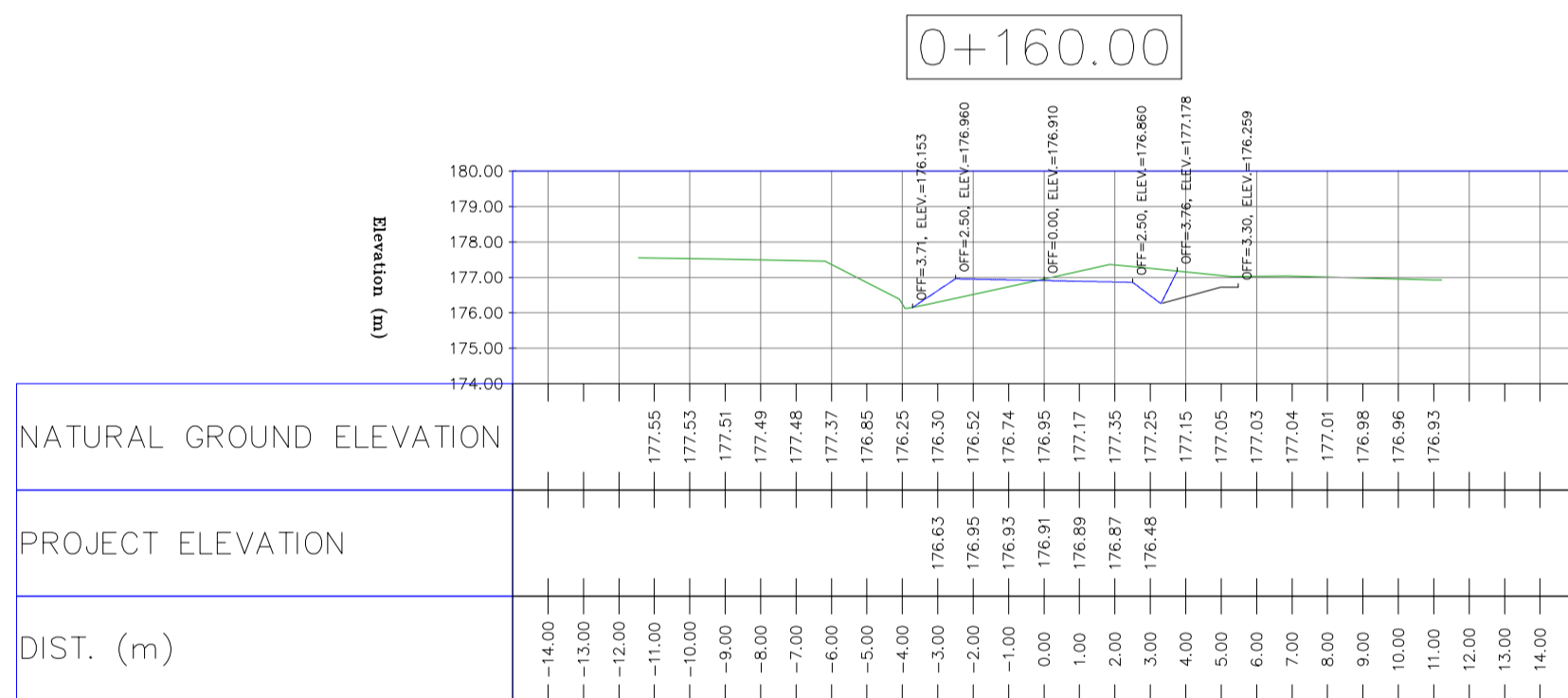
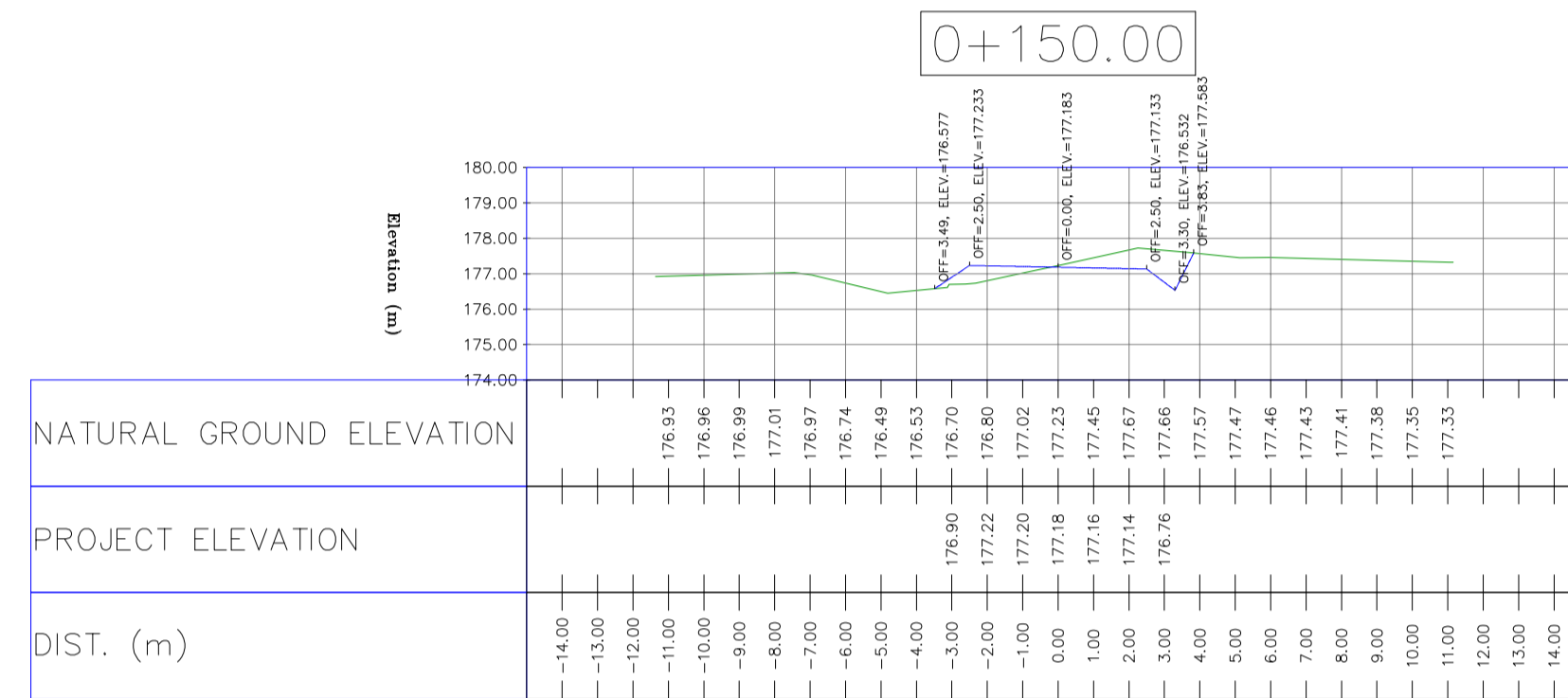
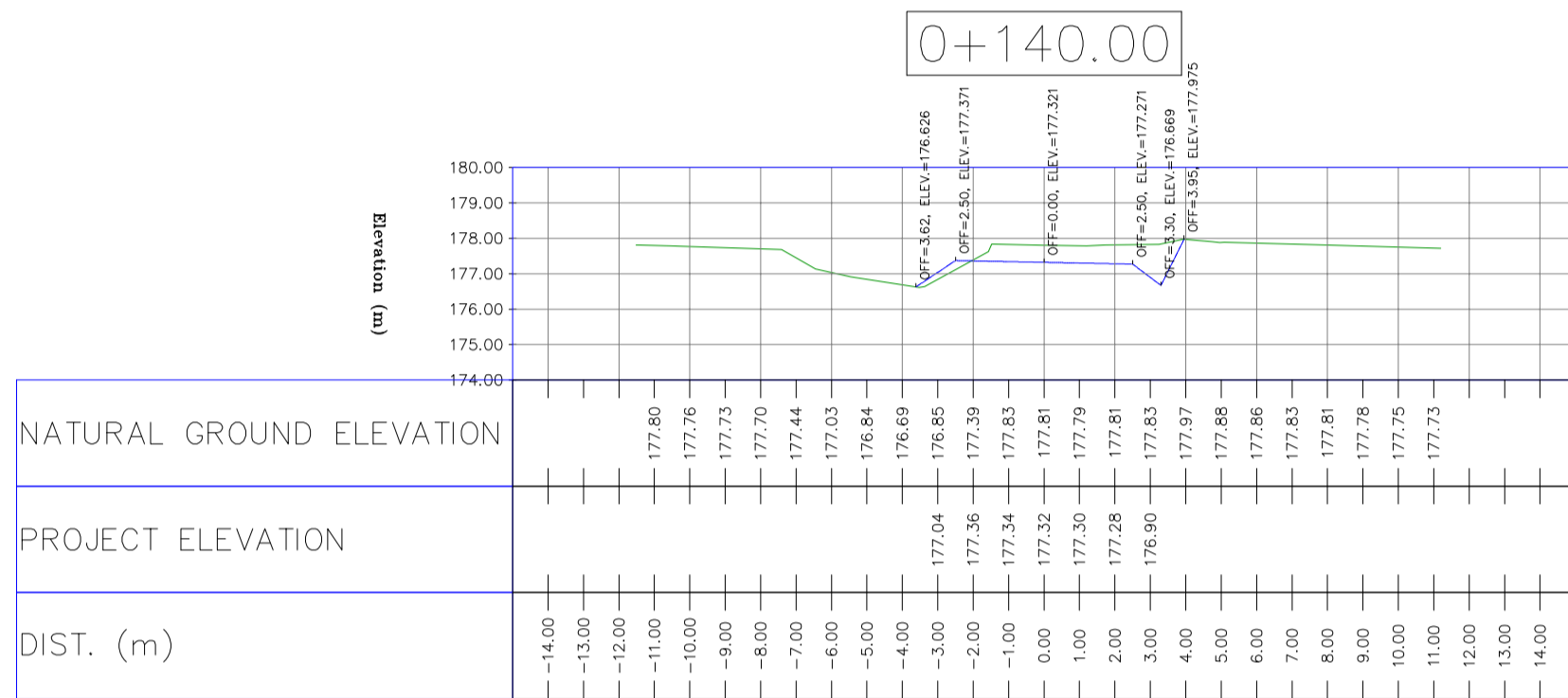
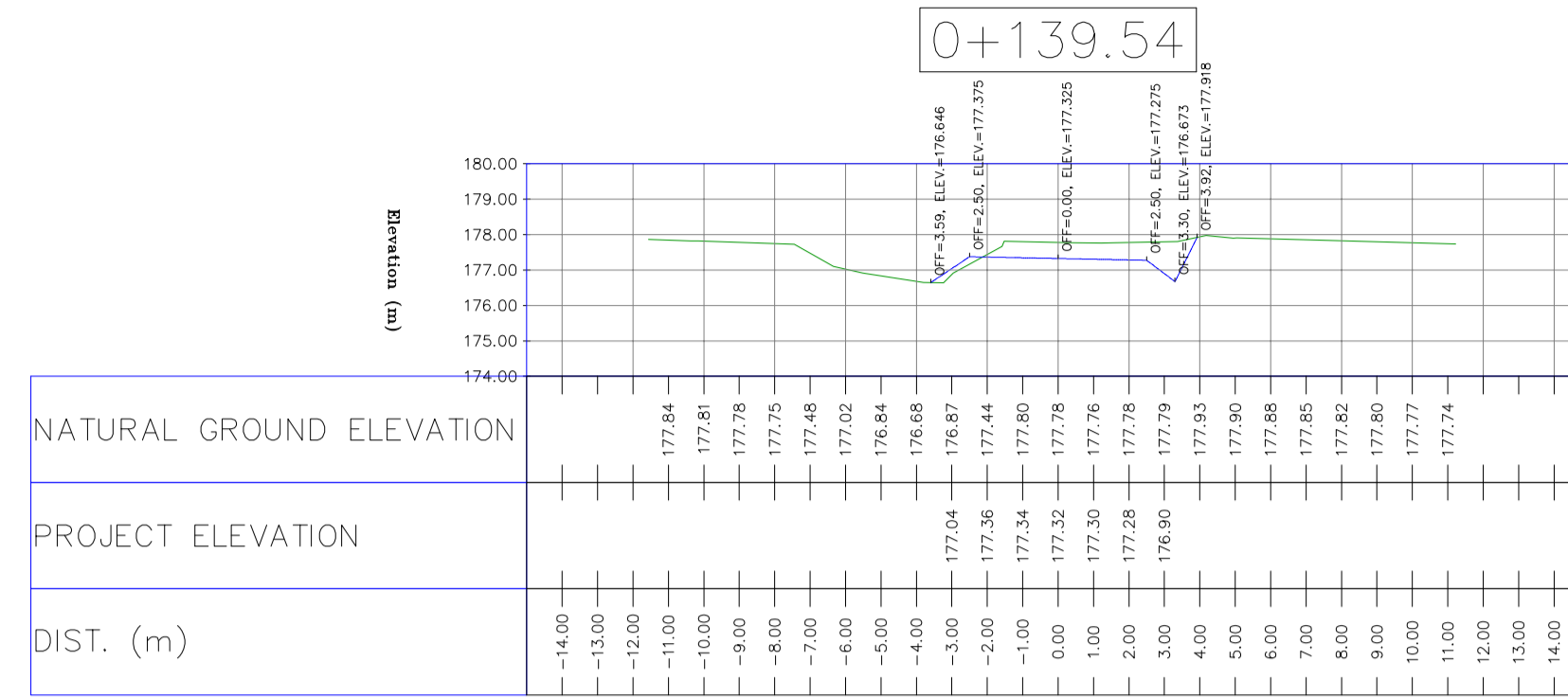
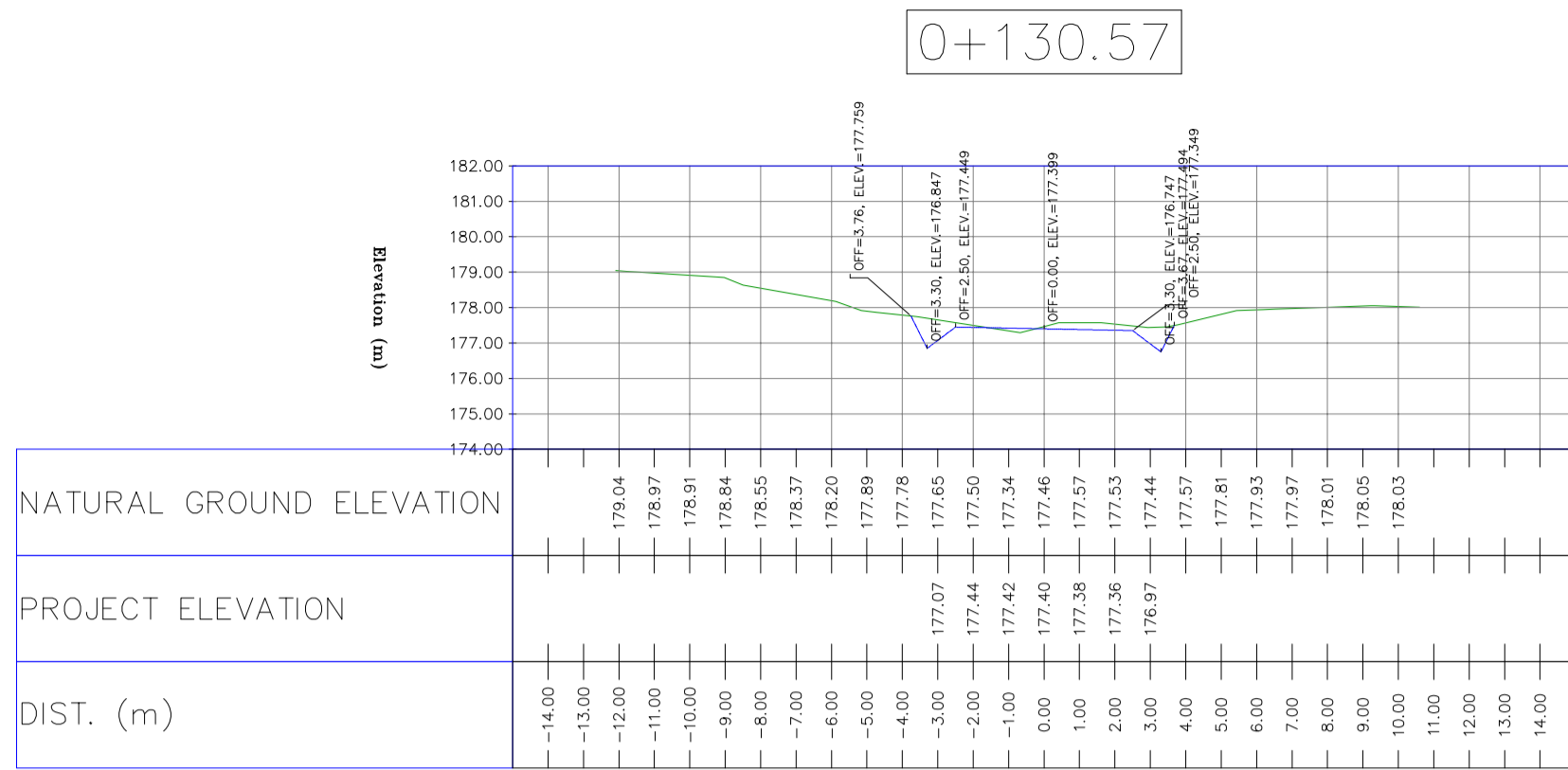
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:



- NOTES
- 1-ALL COORDINATES AND ELEVATIONS ARE IN METER.
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VERTICAL DATUM: MSL
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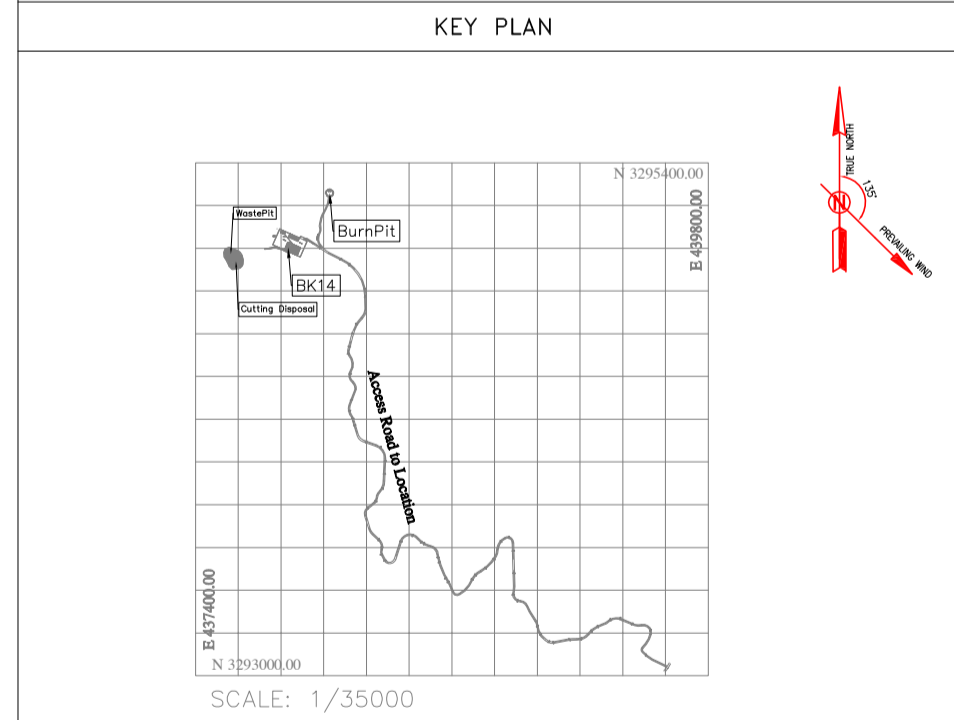
LEGEND

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

REFERENCE DRAWING	DRG. No.
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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

SCALE: H=1:200, V=1:200

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

SHEET NO. 96 OF 99

REV. D05

BUDGET REF. 053-073-9184

LOCATION F

SIZE 4

CLASS S

SERIAL NO. 708209

SHEET 96

REVISION D05

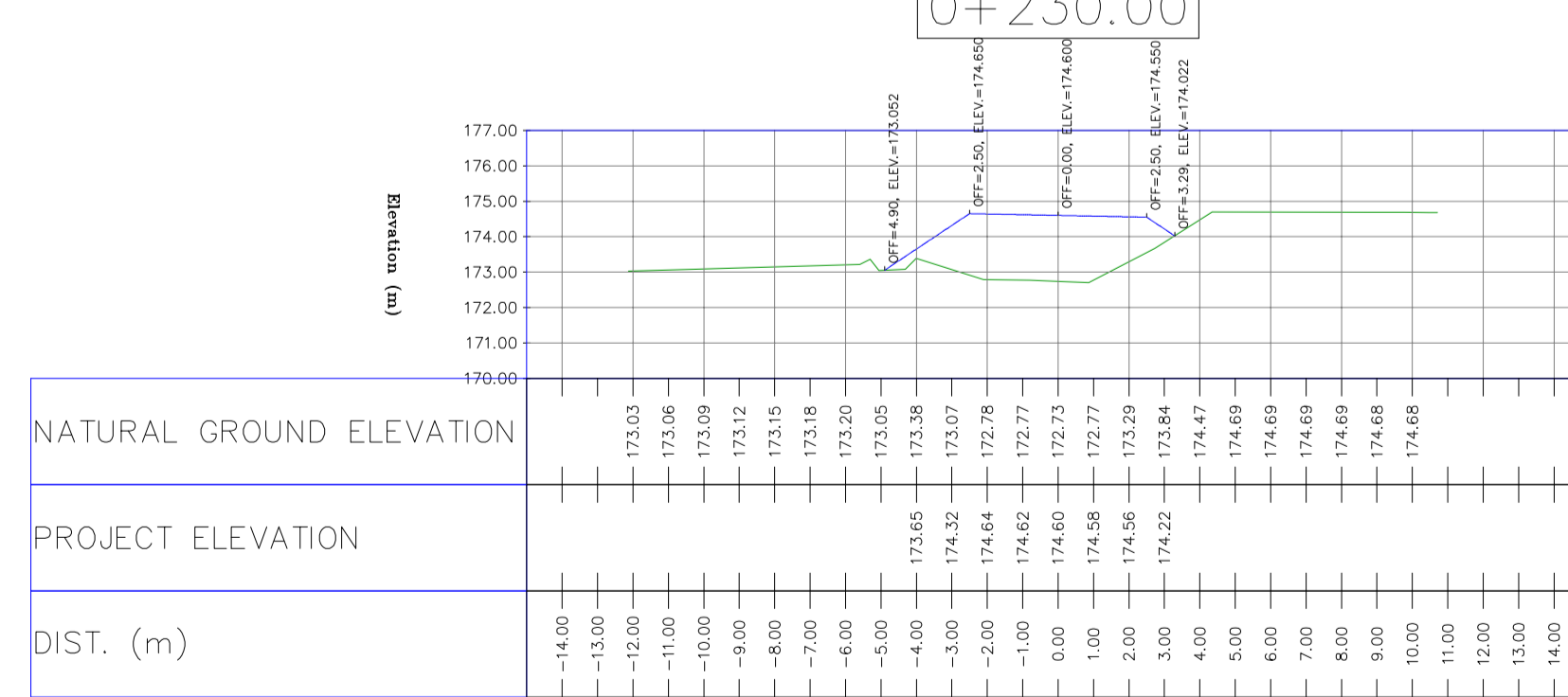
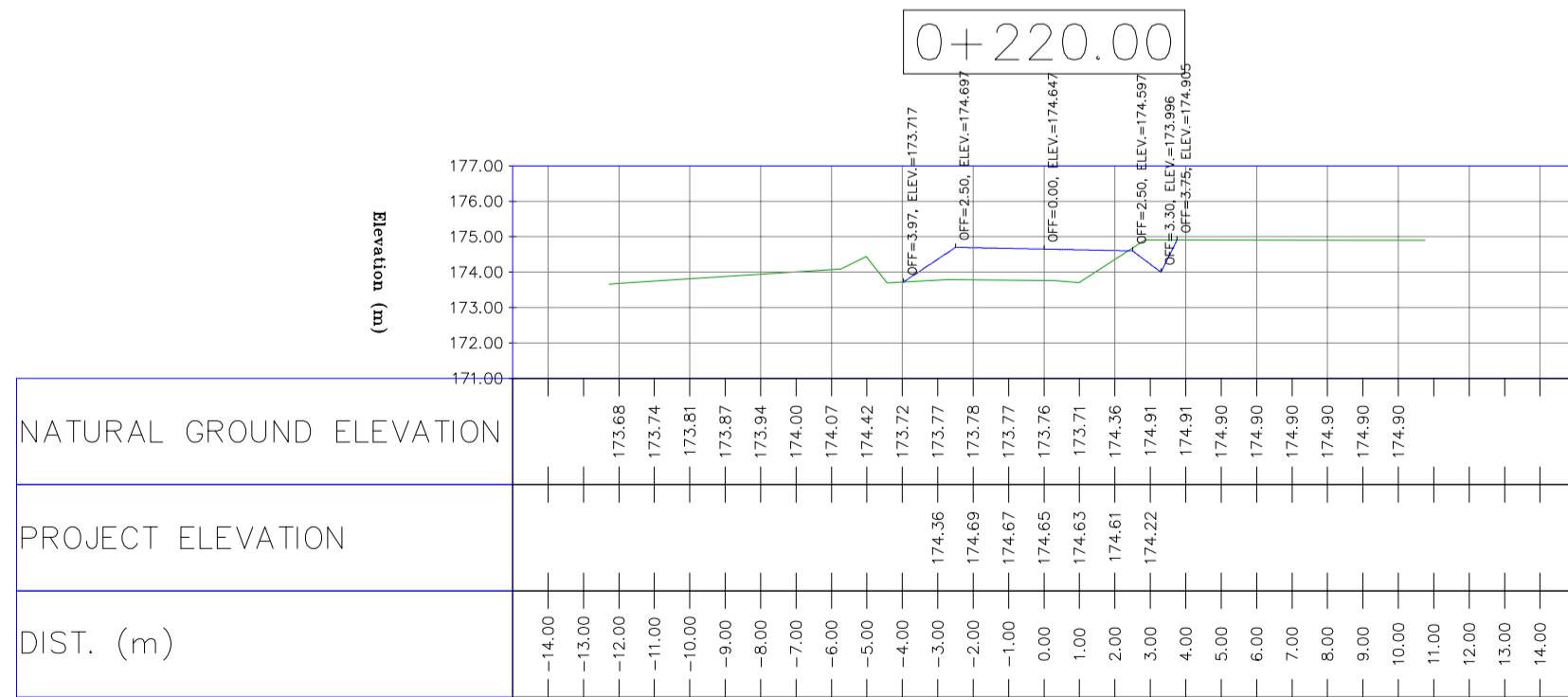
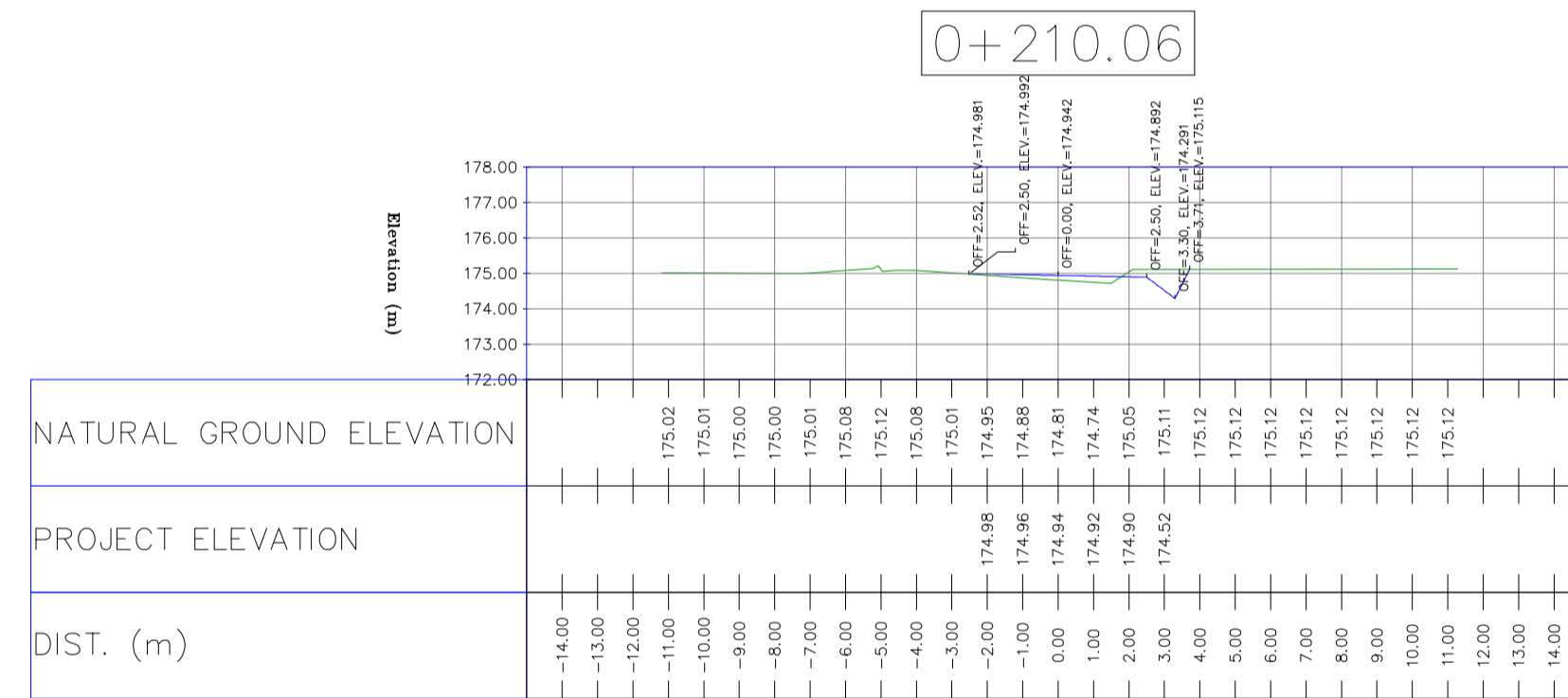
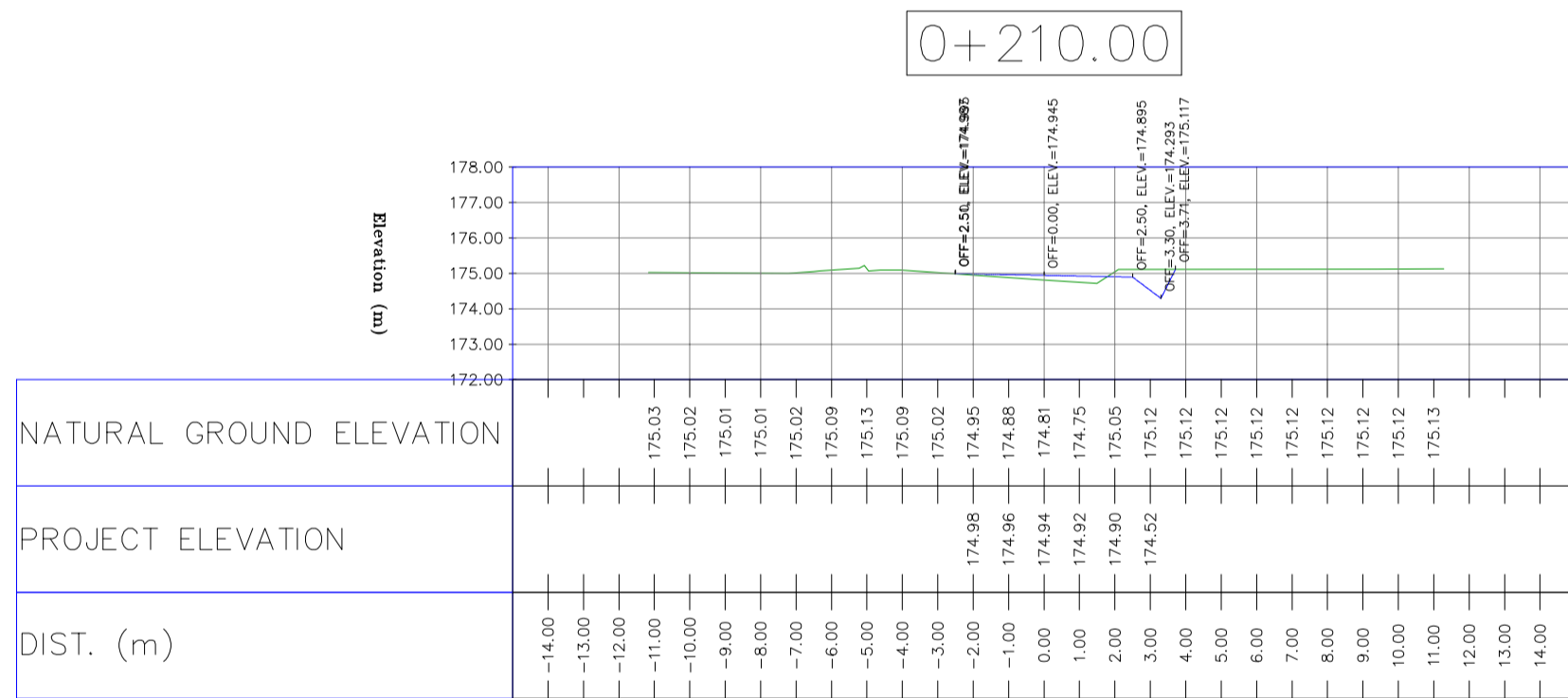
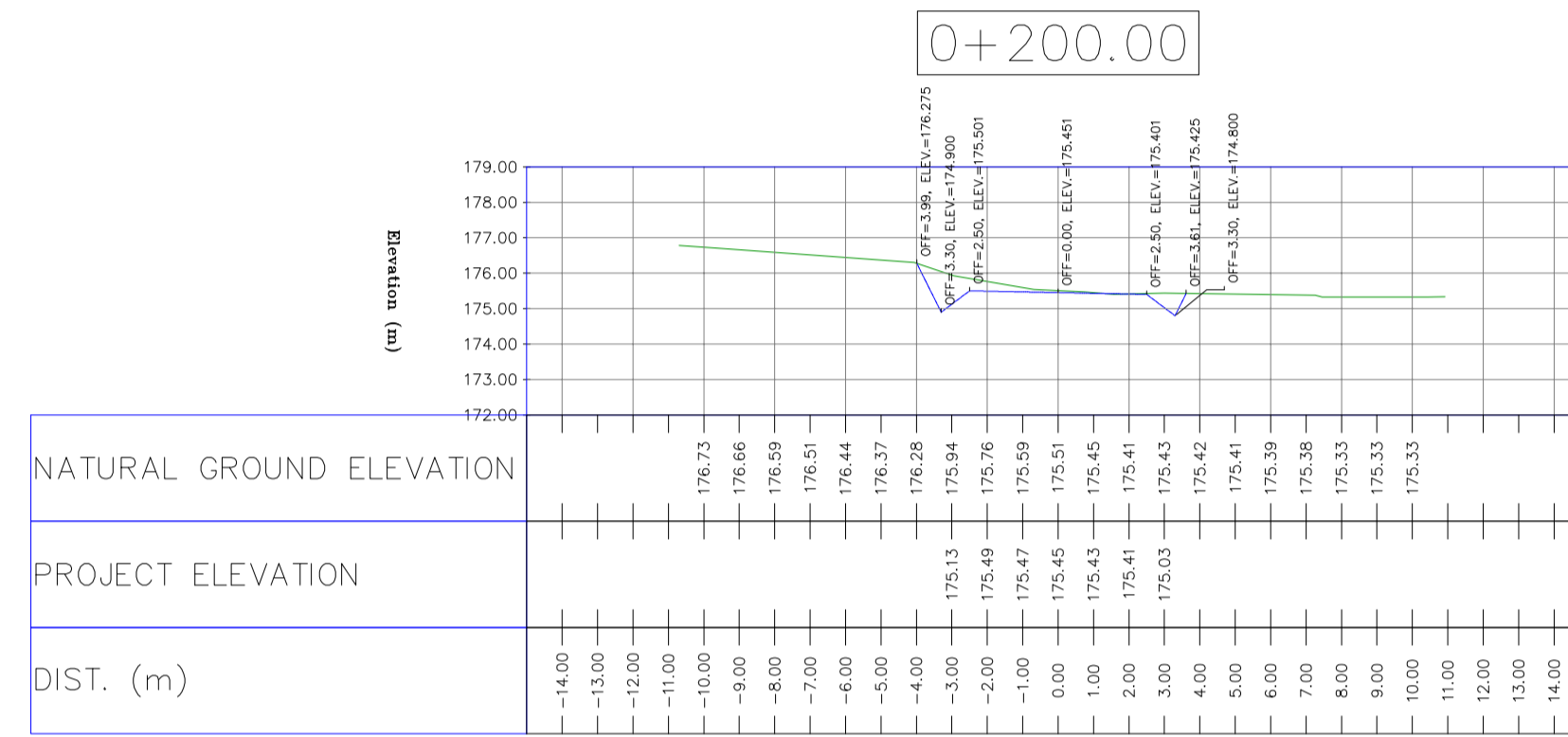
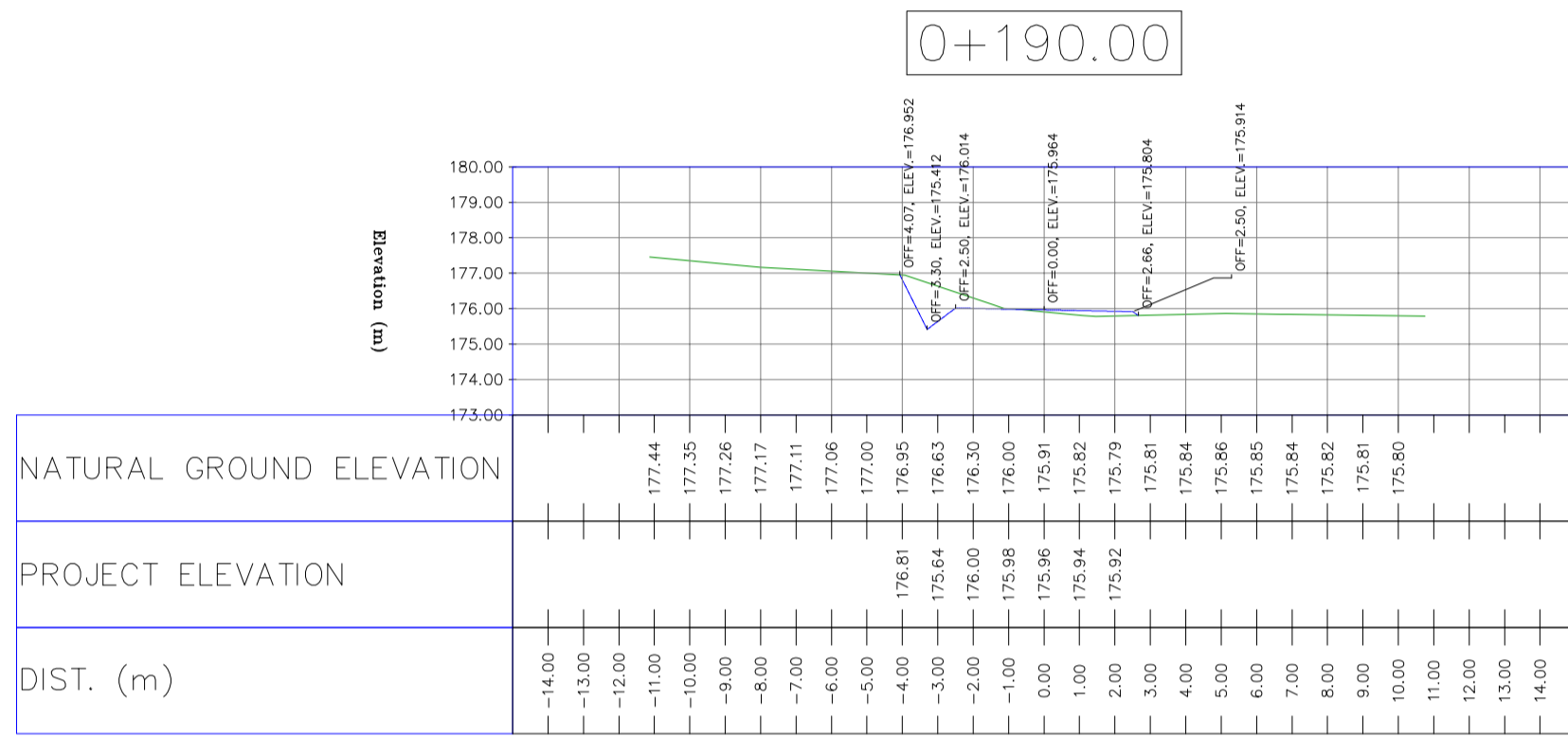
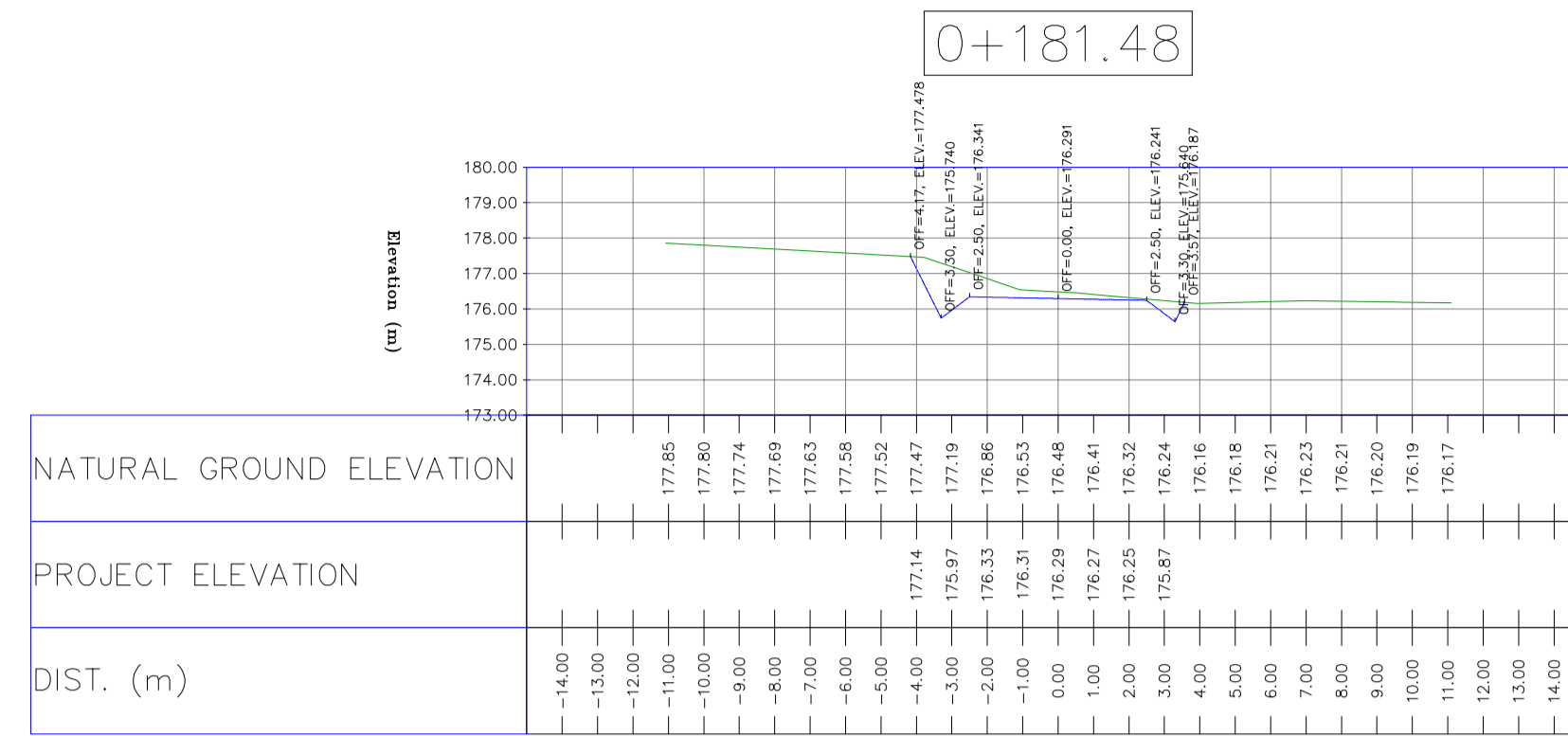
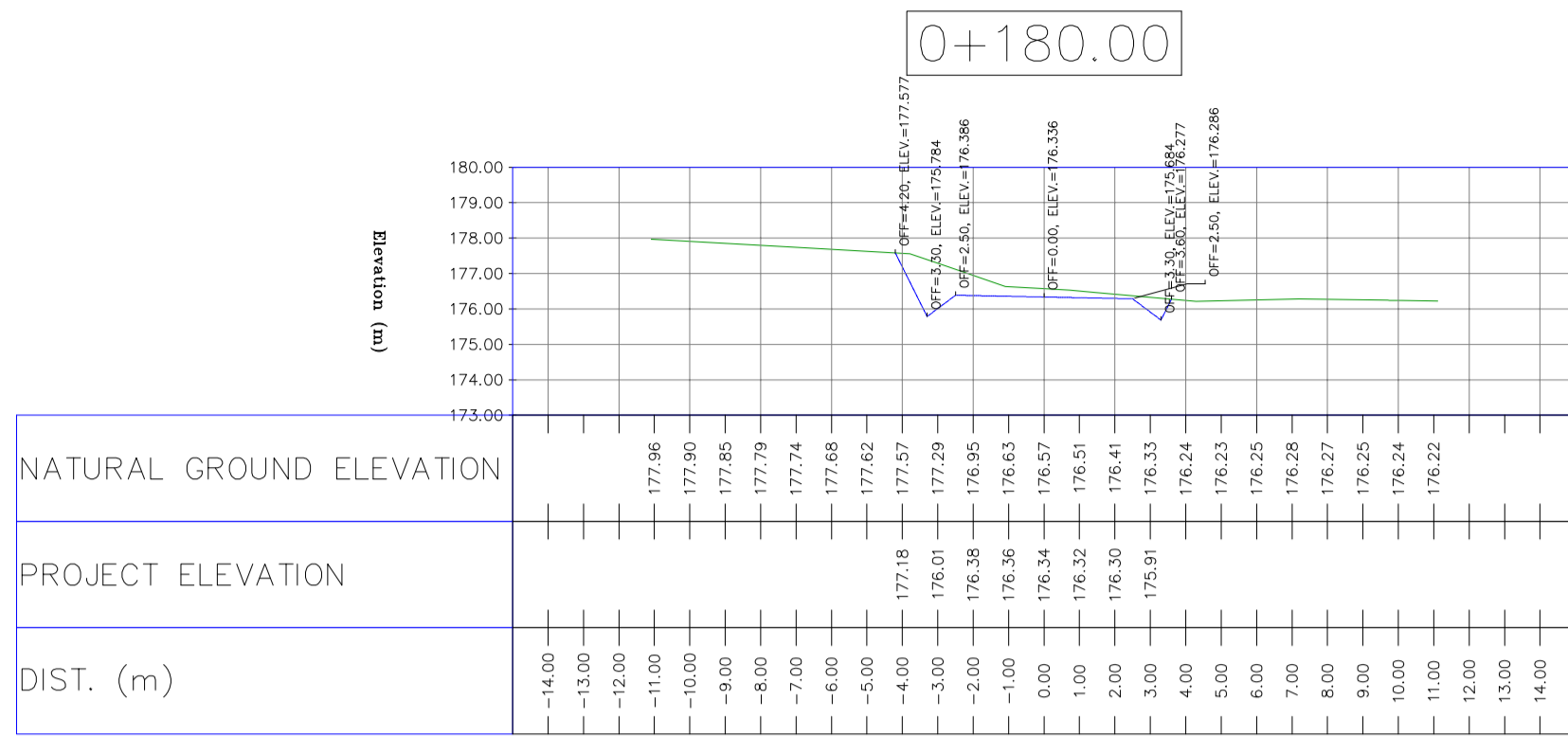
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BINAK OILFIELD DEVELOPMENT SUB-SURFACE WORK PACKAGES BK14 WHF MODIFICATIONS

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION	BY:	DATE:



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-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-PEDCO-110-PI-DW-0001

LEGEND

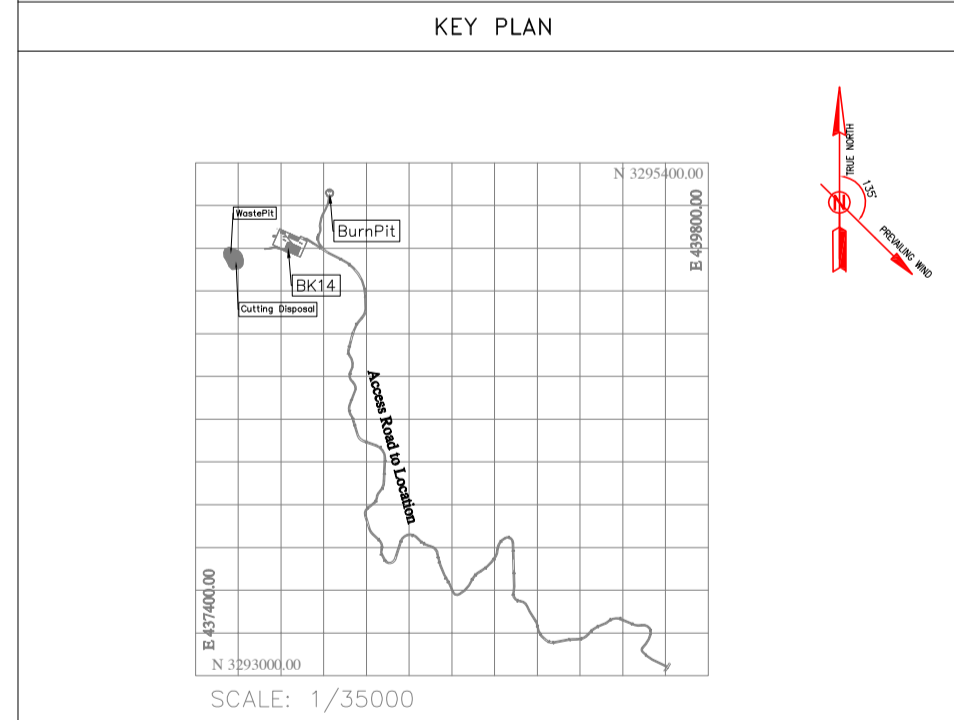
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	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
	DAYLIGHT		CULVERT
	RETAINING WALL		

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-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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BVCE= BEGIN OF VERTICAL CURVE ELEVATION
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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
D04	JUN.2023	IFA	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSSENI	***
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 BURN PIT ACCESS ROAD TRANSVERSAL SECTIONS

SCALE: H=1:200, V=1:200

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

SHEET NO. 97 OF 99

REV. D05

BUDGET REF. 053-073-9184

LOCATION F

SIZE 4

CLASS S

SERIAL NO. 708209

SHEET 97

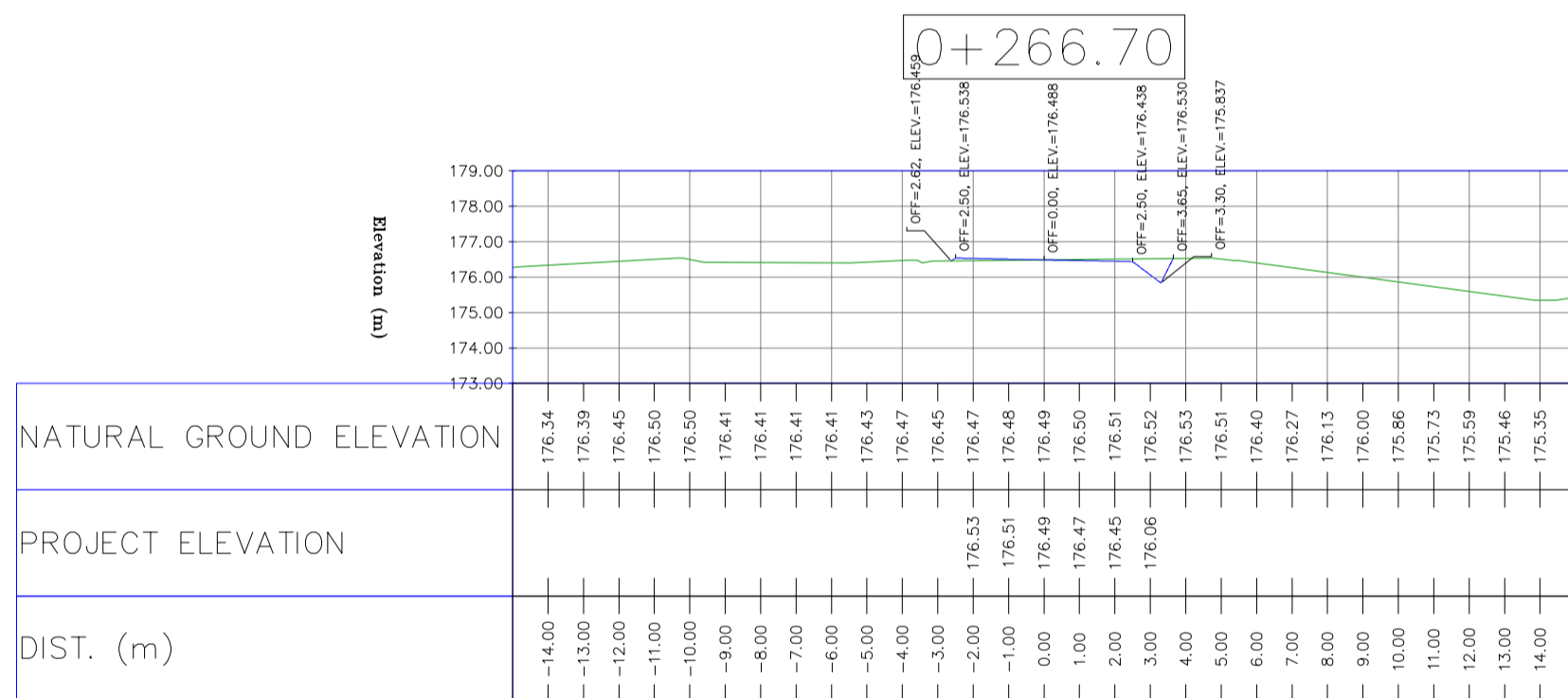
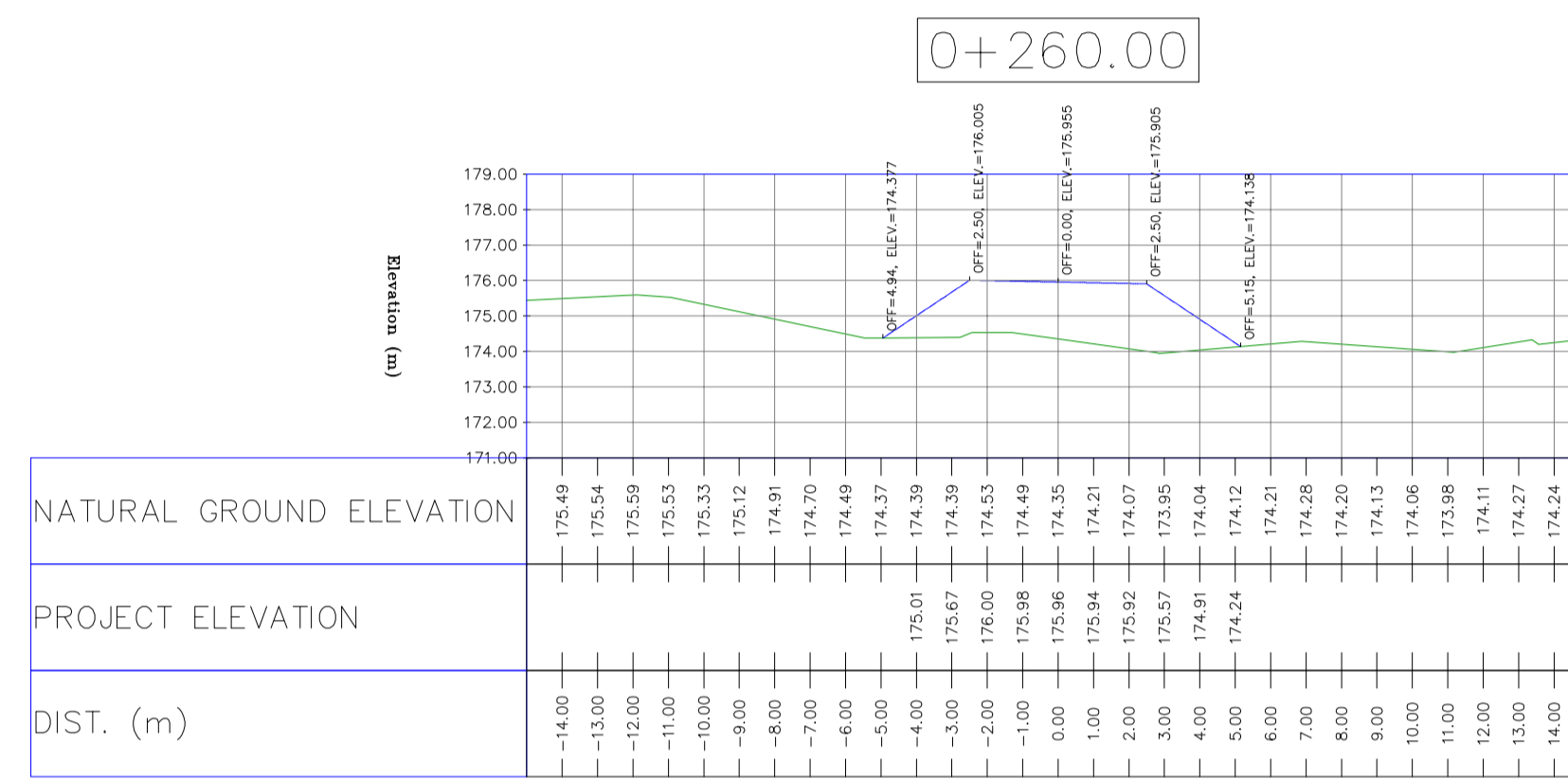
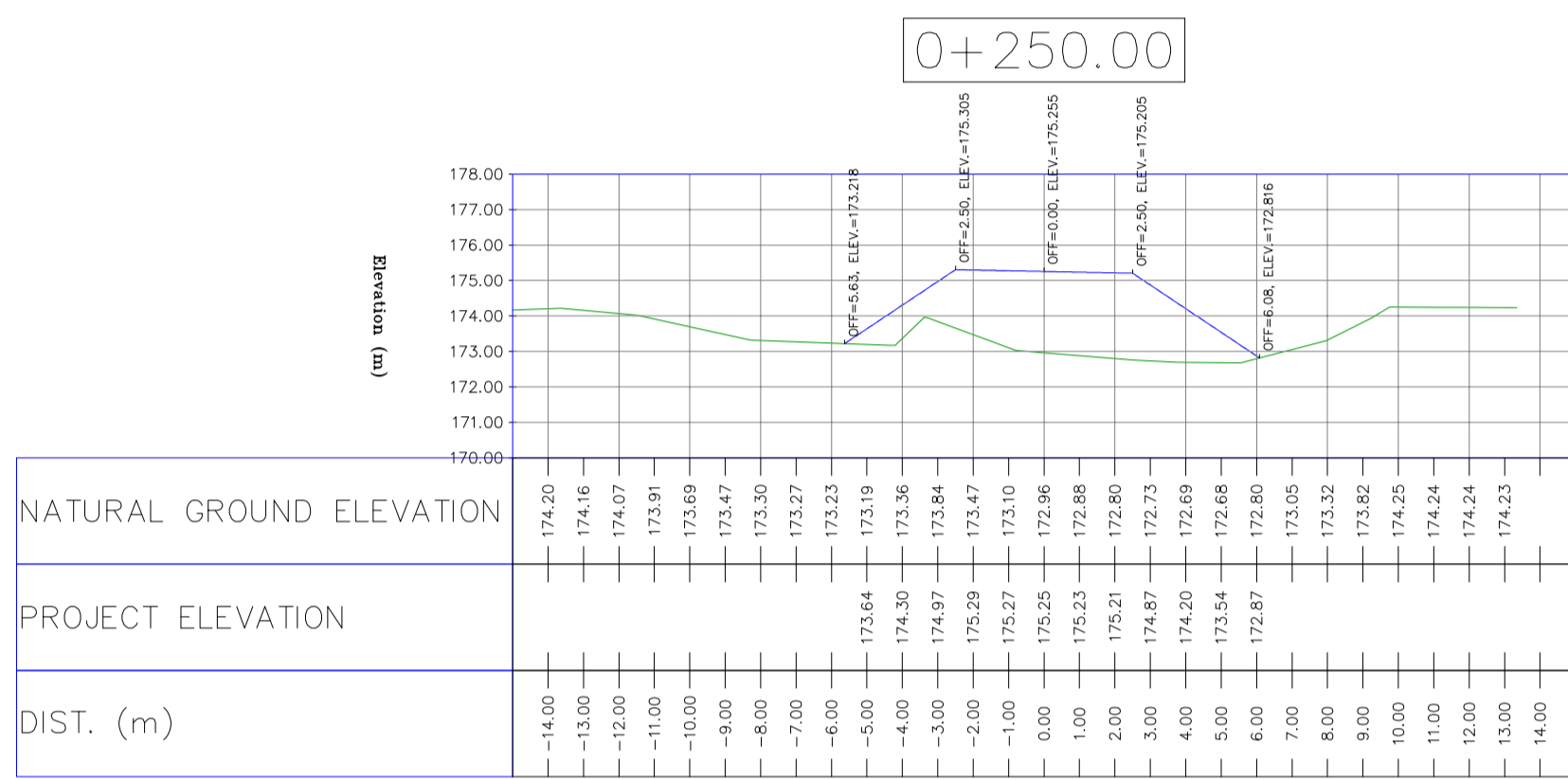
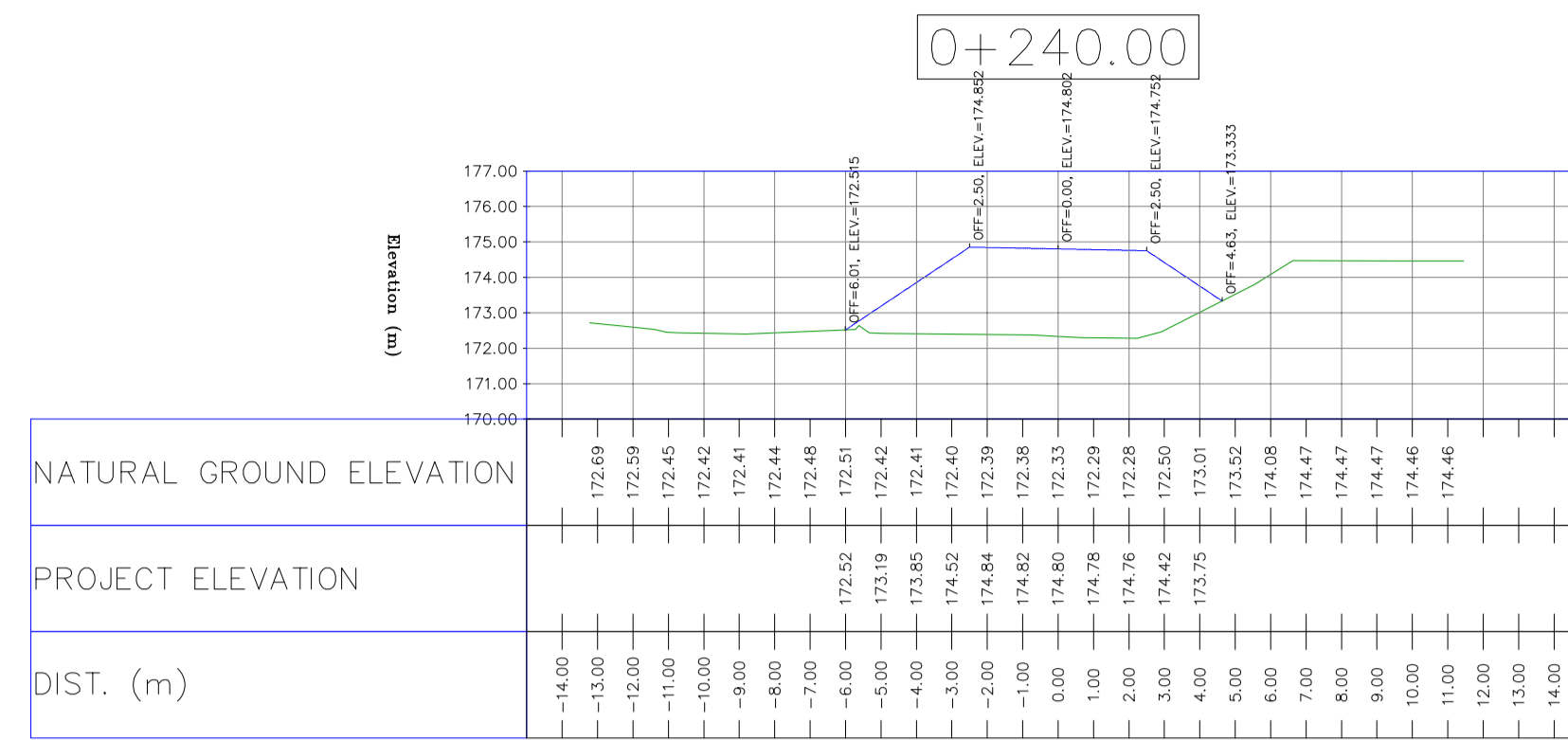
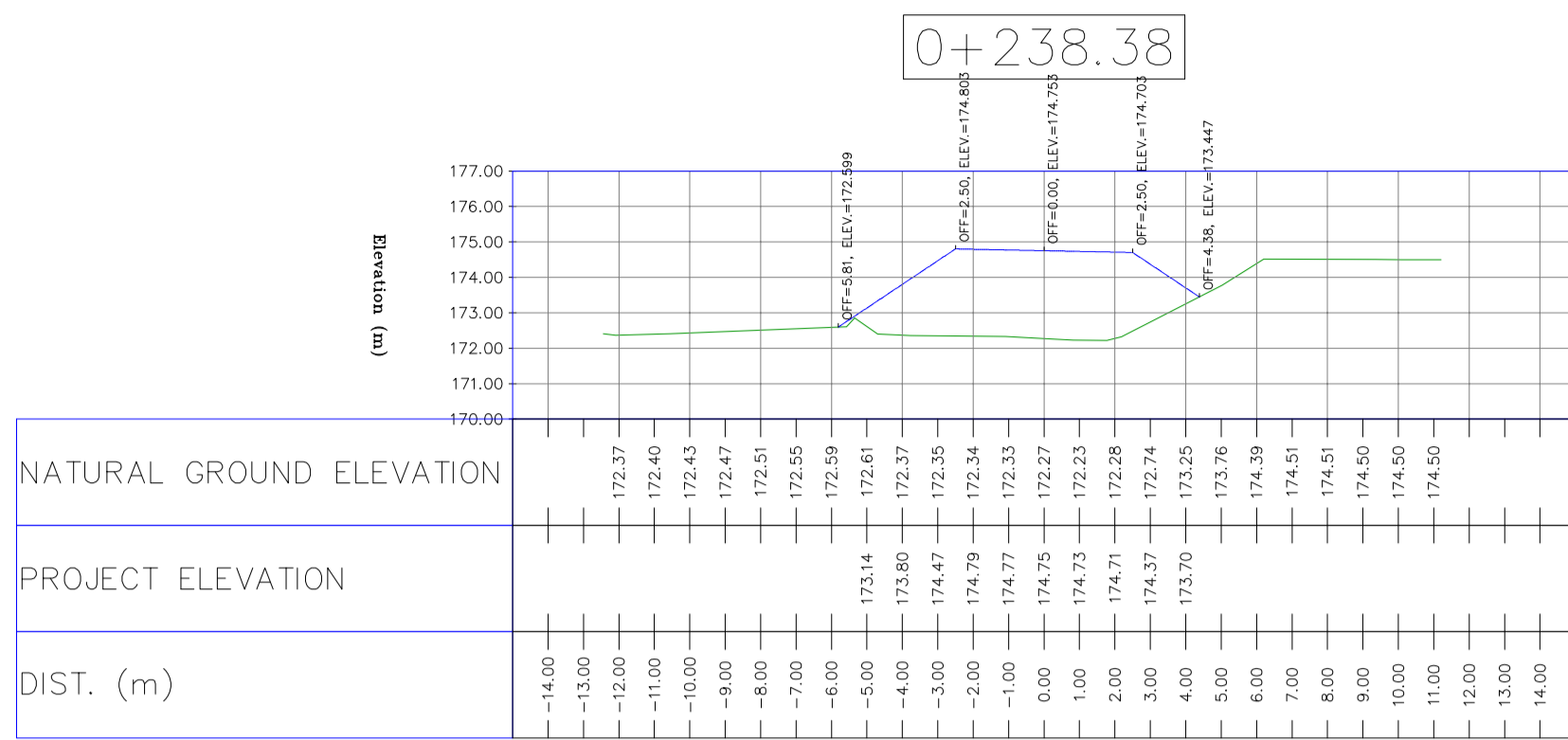
REVISION D05

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DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

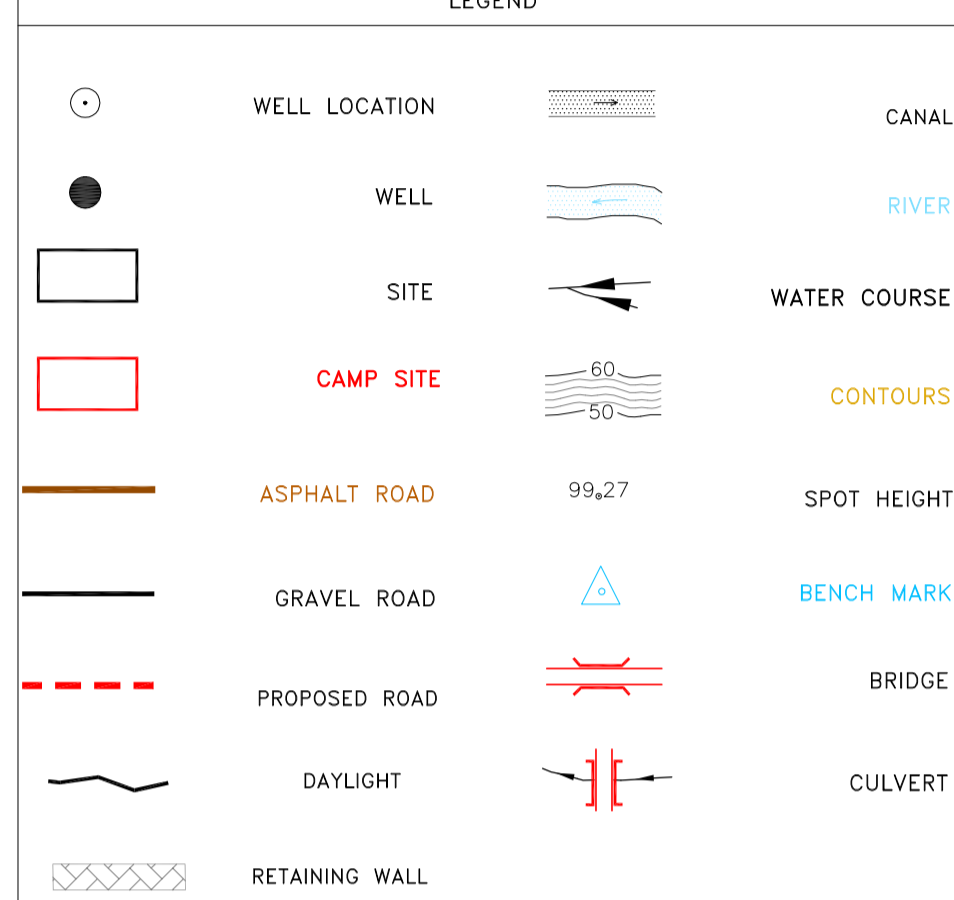
APPROVED FOR CONSTRUCTION	BY:	DATE:



NOTES

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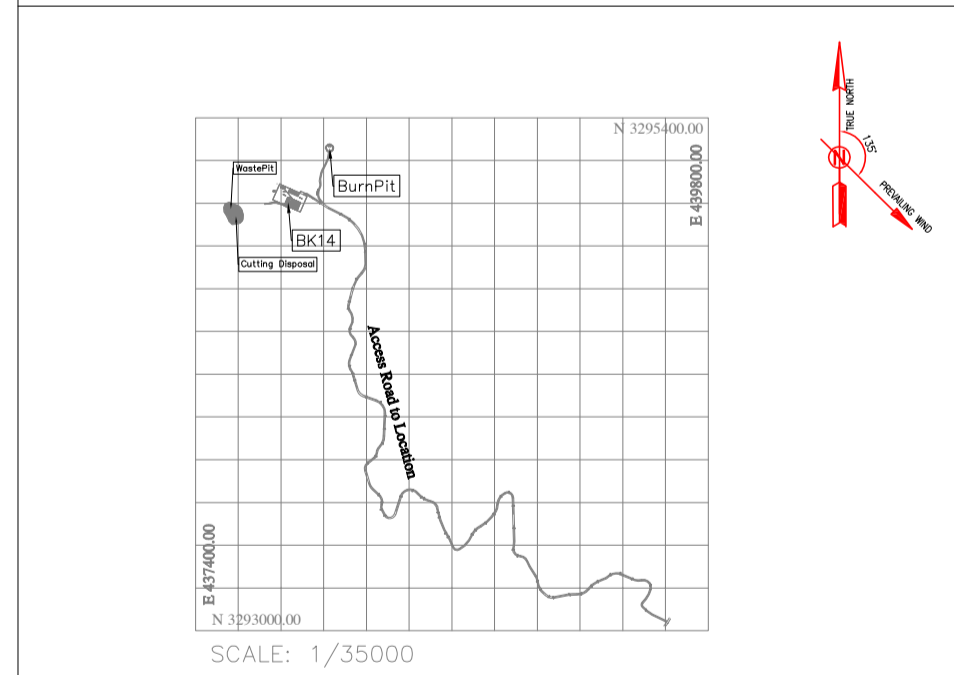
LEGEND



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-GNRL-PEDCO-000-CV-SP-0004
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KEY PLAN



REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSENI	***
D04	JUN.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSENI	***
D03	MAY.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	A.M.MOHSENI	***
D02	MAR.2023	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D01	NOV.2022	IFA	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***
D00	OCT.2022	IFC	R.BERLOUEJ	M.FAKHARIAN	M.MEHRSHAD	***

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

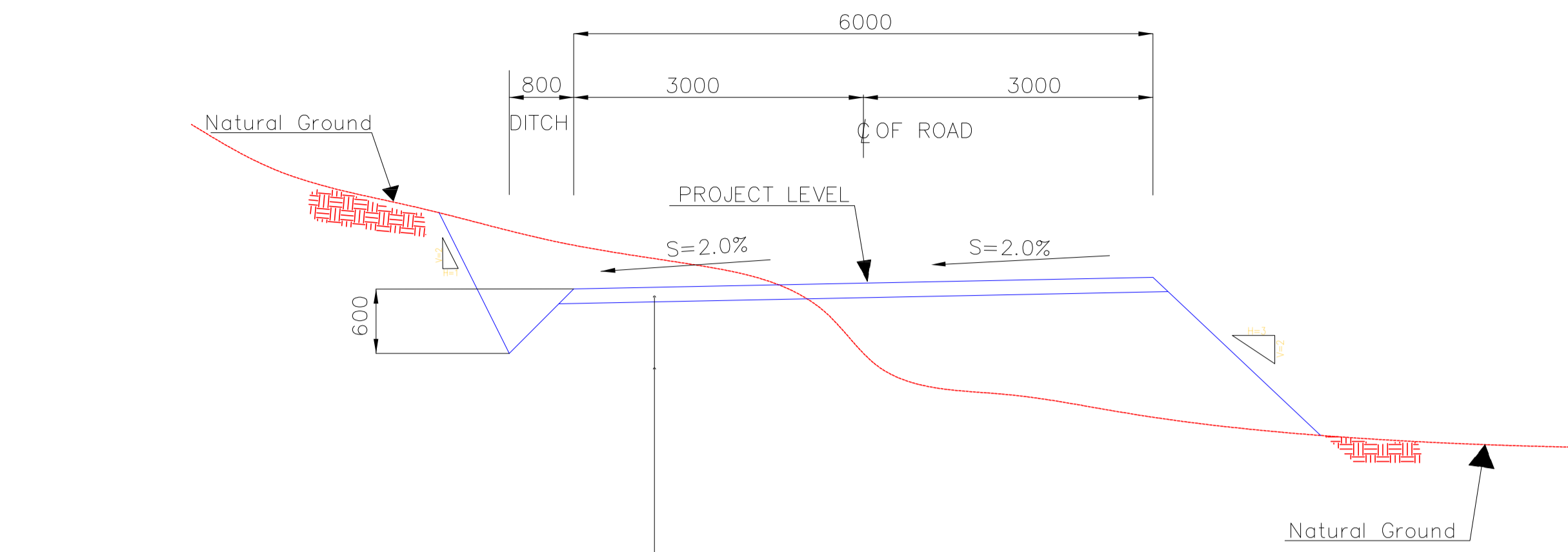
PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY - DESIGN & INSPECTION COMPANIES

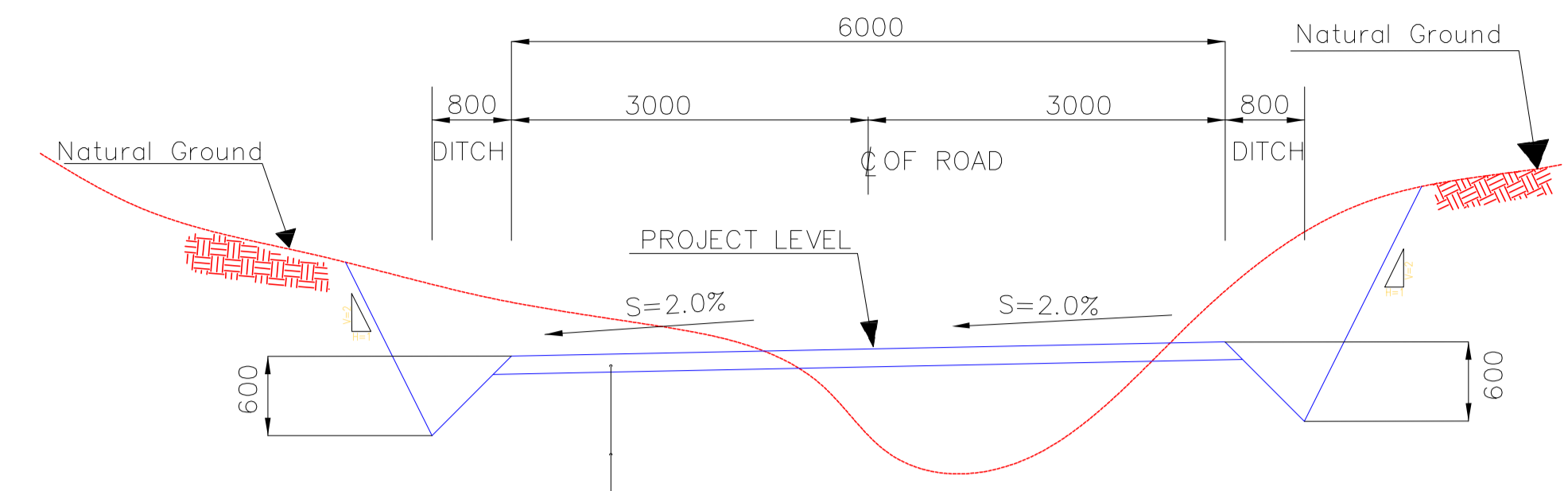
EPD/EPC CONTRACTOR(GC): PETROIRAN DEVELOPMENT COMPANY

DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.

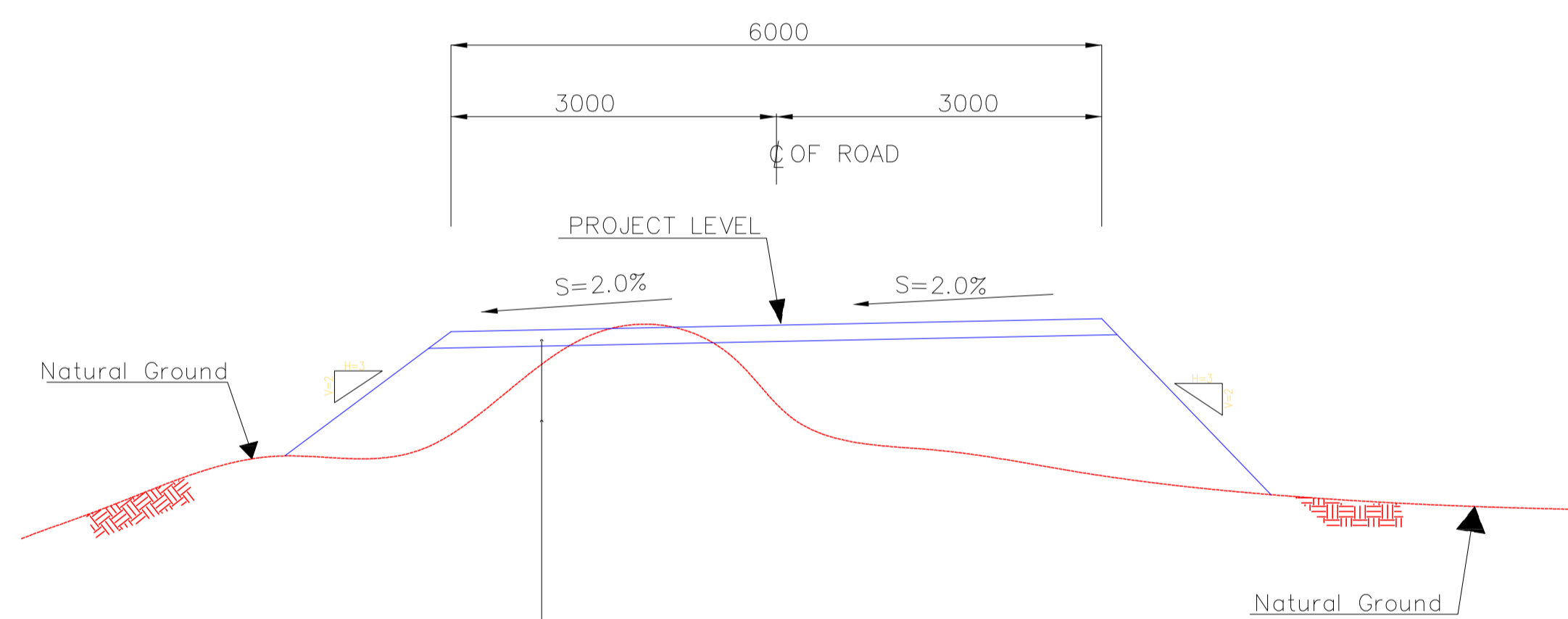
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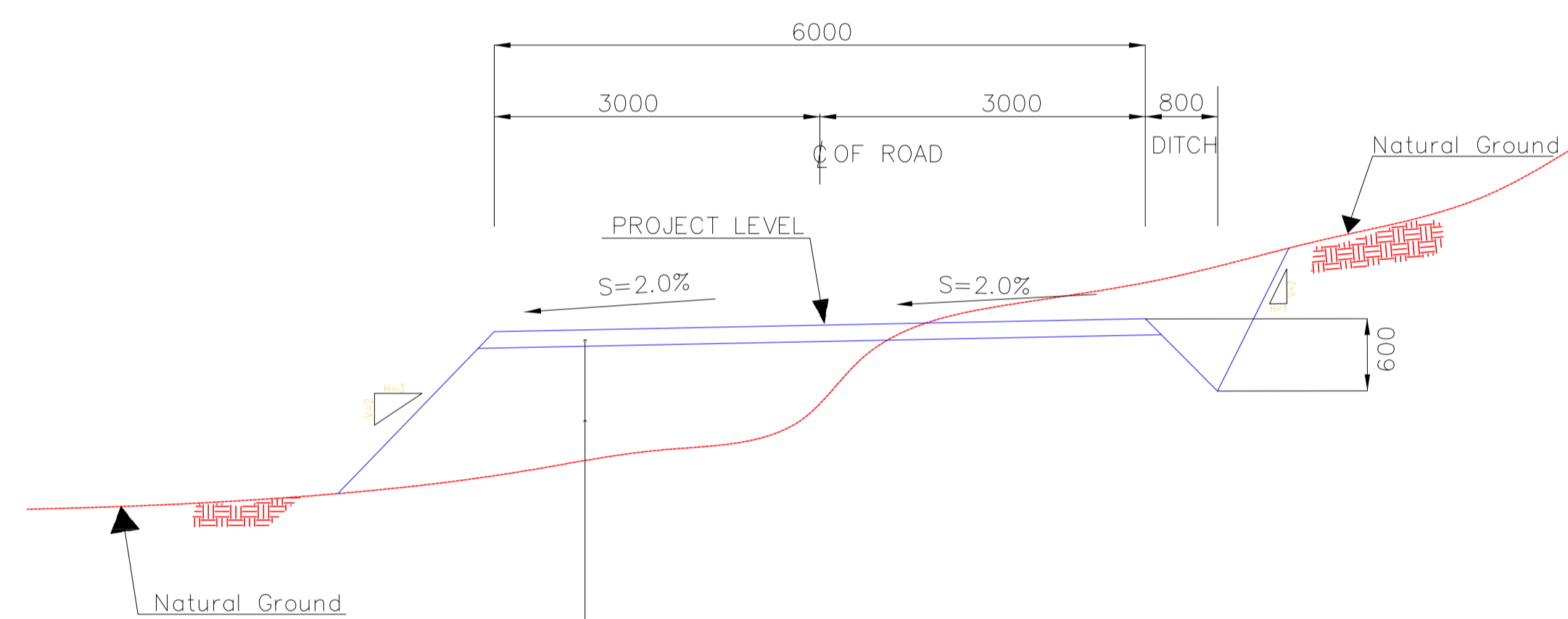
SUB-BASE COURSE, COMPACTION=100% (150mm THK)
 SUB-GRADE COMPACTED TO 99% MAX DRY DENSITY
 (Max Each Course 200mm THK)



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

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LEGEND

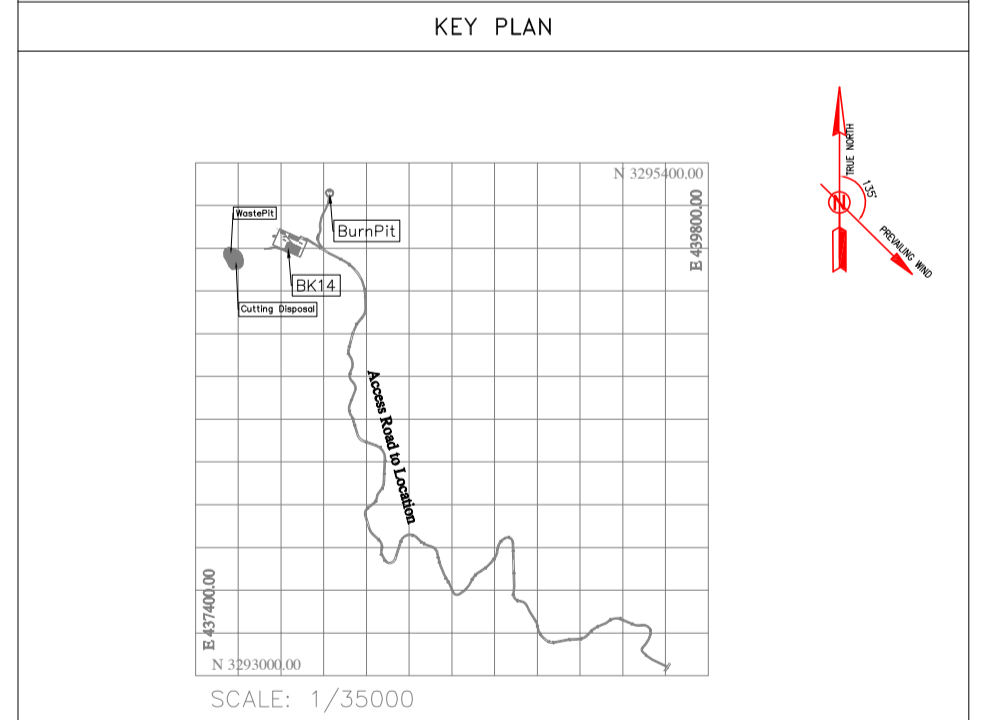
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	WELL		RIVER
	SITE		WATER COURSE
	CAMP SITE		CONTOURS
	ASPHALT ROAD		SPOT HEIGHT
	GRAVEL ROAD		BENCH MARK
	PROPOSED ROAD		BRIDGE
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REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
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REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.
D05	AUG.2023	AFC	R.BERLOUEI	M.FAKHARIAN	A.M.MOHSENI	***
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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	***
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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

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

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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 99	D05	053-073-9184	F	4	S	708209	99	D05