



سلطة منطقة العقبة الاقتصادية الخاصة

عطاء رقم ()

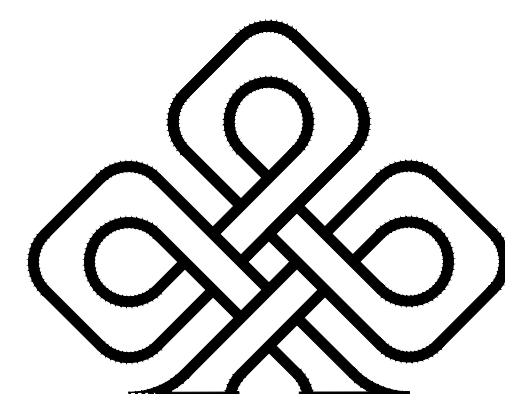
والخاص بتنفيذ اعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية
(منطقة التقسيم) في مدينة العقبة

FINAL TENDER DRAWINGS
MARCH. 2026

Tender Drawings

ARCHITECT ENGINEER Eng. Rukni Sweiss (196)	STRUCTURAL ENGINEER Eng. Najah Haddadin (2845)	INFRASTRUCTURE ENG. Eng. MOHMD KHATIBEH (4705)	ELECTRICAL ENGINEER Eng. Ibrahim Hamedah (817)	OFFICE MANAGER Eng. Rukni Sweiss (196)	SOIL TESTING
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Prepared By _



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Consulting Engineers

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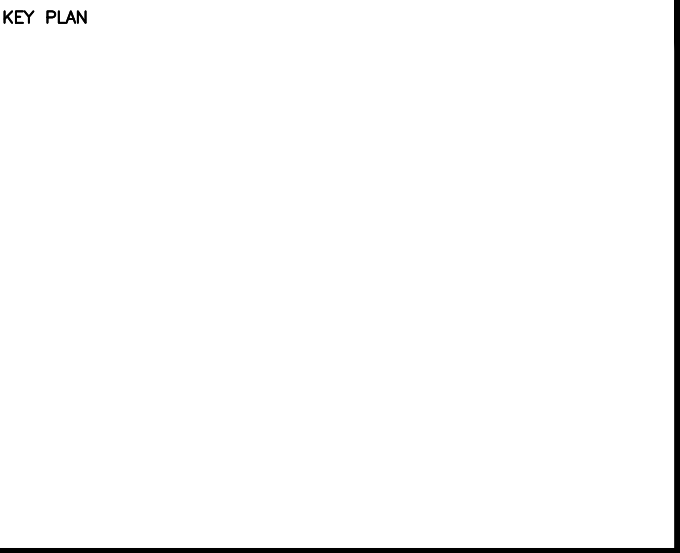
LIST OF DRAWING			
SHEET No.	DRAWING TITLE	SHEET No.	DRAWING TITLE
	COVER	C30	TYP. WATER DETAILS (1/3)
C00	LIST OF DRAWINGS	C31	TYP. WATER DETAILS (2/3)
C001	EXISTING TOPOGRAPHY PLAN	C32	TYP. WATER DETAILS (3/3)
C002	EXISTING SITE PLAN	C33	TYP. SEWER DETAILS (1/2)
C003	DEMOLISHING PLAN	C34	TYP. SEWER DETAILS (2/2)
C004	NEW SITE PLAN		
C005	TACTILE PLAN AND SIDEWALK DETAILS		
C006	BIN LOCATIONS PLAN AND DETAILS	SHEET No.	ELECTRICAL DRAWINGS
C007	ROADS PLAN & TYP. ROADS SECTIONS		
C008	ROAD 1 PROFILE, RAMP 1 PROFILE & ROAD 4 PROFILE		
C009	ROAD 2 PROFILE & ROAD 3 PROFILE	SHEET No.	DRAWING TITLE
C10	EXST. EAST ROAD PROFILE & EXST. NORTH ROAD PROFILE		
C11	ROADS LEVEL PLAN	E100	MEDIUM VOLTAGE
C12	ROAD 1 CROSS SECTIONS	E101	MEDIUM VOLTAGE (1)
C13	ROAD 2 CROSS SECTIONS (1/2)	E200	LOW VOLTAGE NETWORK
C14	ROAD 2 CROSS SECTIONS (2/2)	E201	LOW VOLTAGE NETWORK (1)
C15	ROAD 3 CROSS SECTIONS (1/2)	E202	LOW VOLTAGE NETWORK (2)
C16	ROAD 3 CROSS SECTIONS (2/2)	E300	STREET LIGHT DETAILS & PANELS
C17	ROAD 4 CROSS SECTIONS & RAMP 1 CROSS SECTIONS	E301	STREET LIGHT DETAILS & PANELS (1)
C18	SEWER SITE PLAN	E302	STREET LIGHT DETAILS & PANELS (2)
C19	SEWER PROFILE (A-B-C-D-E)	E400	TELECOMMUNICATION WORKS
C20	SEWER COORDINATES & HOUSE CONNECTIONS SCHEDULES	E401	TELECOMMUNICATION WORKS (1)
C21	WATER SUPPLY NETWORK	E402	TELECOMMUNICATION WORKS (2)
C22	WATER SUPPLY NETWORK SCHEDULES	E402	TELECOMMUNICATION WORKS (3)
C23	STORM WATER SYSTEM	E500	COORDINATION DRAWING FOR ELECTRICAL WORKS
C24	STORM WATER PROFILE	E600	DETAILS
C25	TRAFFIC SIGNS PLAN WITH ROAD LINES	E601	DETAILS
C26	ROAD LINES AND SIGNS DETAILS	E602	DETAILS
C27	RETAINING WALL PLAN AND ELEVATIONS	E700	ELECTRICAL CALCULATIONS AND PANELS
C28	STRUCTURAL GENERAL NOTE & RETAINING WALL SECTIONS	E701	ELECTRICAL CALCULATIONS AND PANELS
C29	RETAINING WALL SECTIONS		

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO.	DATE	DESCRIPTION



PROJECT OWNER :



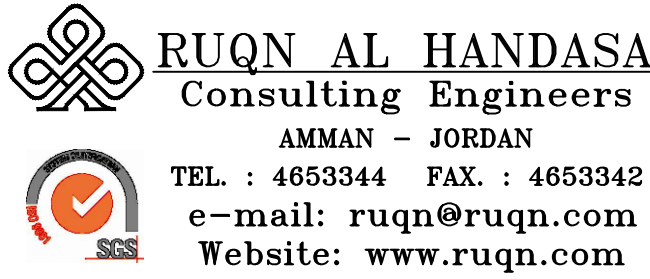
PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة الاقتصادية الخاصة

DRAWING NAME :

LIST OF DRAWINGS

Prepared By :



DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	
SCALE:		SHEET SIZE: A1
PLOT NO.	BASIN NO.	CAD FILE
--	9 ALJAME'	SER__DC_X.REF_348
ISSUE DATE	PROJECT NO.	DRAWING NO.
MAR.2026	348	C00
		A-3

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

LEGEND:

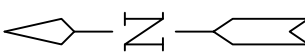
	Asphalt
	Curbstone
	Exist Walls
	DLS BORDER
	Building
	Bench Mark/ Traverse
	Sewer Manhole
	Exist GRILL MANHOLE
	Distribution Board
	Elect. Pole
	Sub Station
	TREE

Tender Drawings



REV. NO.	DATE	DESCRIPTION

KEY PLAN



PROJECT OWNER :



سلطة منطقة العقبة
الاقتصادية الخاصة

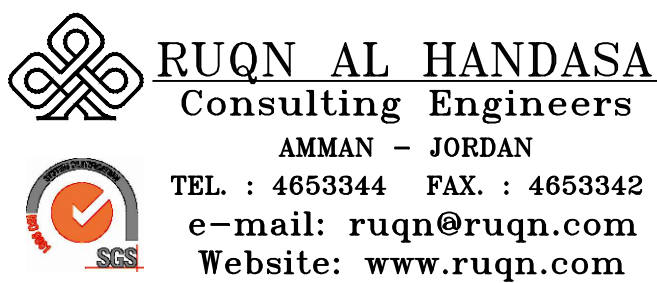
PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية
الاحتية ضمن المنطقة التجارية الثانية
(منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

EXISTING TOPOGRAPHY PLAN

Prepared By :

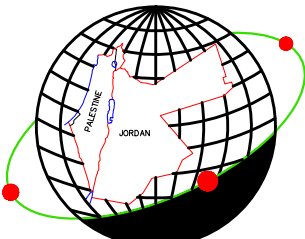


DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/750 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE		
--	9 ALJAME'	SER._DC_X.REF_348		
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV	
MAR.2026	348	C001	A-	

Point #	Easting	Northing	LEVEL
CP.1	306840.91	268431.42	39.88
CP.2	306851.26	268443.55	41.01
CP.3	306824.57	268427.93	39.14
X.1	306793.70	268428.91	37.39
X.2	306696.48	268403.78	31.52
X.3	306656.35	268393.59	29.06
X.4	306646.88	268395.96	27.97
X.5	306546.22	268366.21	21.99
X.6	306541.36	268369.13	21.47
X.7	306731.14	268424.99	33.40
X.8	306692.41	268460.96	32.82
X.9	306689.21	268520.62	32.11
X.10	306775.11	268518.21	36.09
X.11	306703.49	268582.71	32.12
X.12	306715.63	268693.03	30.63
X.13	306535.78	268597.60	22.86
X.14	306706.28	268671.77	31.15
X.15	306537.53	268532.49	22.84
X.16	306537.06	268499.24	22.82
X.17	306534.78	268466.85	22.63
X.18	306535.86	268727.06	19.80
X.19	306671.42	268760.69	27.45
X.20	306573.88	268631.11	22.38



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مخطط طبوغرافي

التجارية الثانية

العقبة	المحافظة
اراضي العقبة	المديرية
العقبة	القرية
	الحوض
	الحي/ اللوحة
	رقم القطعة
٢٠٢٤/٩/٢٠	التاريخ
٧٥٠/١	مقياس الرسم

ملاحظة -

الواقع قد يكون مختلف
عما ورد في هذه اللوحة



PARCEL COORDINATES			
Point #	Easting	Northing	LEVEL
CP.1	306840.91	268431.42	39.88
CP.2	306851.26	268443.55	41.01
CP.3	306824.57	268427.93	39.14
X.1	306793.70	268428.91	37.39
X.2	306696.48	268403.78	31.52
X.3	306656.35	268393.59	29.06
X.4	306646.88	268395.96	27.97
X.5	306546.22	268366.21	21.99
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X.13	306535.78	268597.60	22.86
X.14	306706.28	268671.77	31.15
X.15	306537.53	268532.49	22.84
X.16	306537.06	268499.24	22.82
X.17	306534.78	268466.85	22.63
X.18	306535.86	268727.06	19.80
X.19	306671.42	268760.69	27.45
X.20	306573.88	268631.11	22.38

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

LEGEND:	
	Asphalt
	Curbstone
	Exist. Walls
	DLS BORDER
	Building
	Bench Mark/ Traverse
	Sewer Manhole
	Exist GRILL MANHOLE
	Distribution Board
	Elect. Pole
	Sub Station
	TREE

Tender Drawings



REV. NO. DATE DESCRIPTION

KEY PLAN

PROJECT OWNER :



سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

EXISTING SITE PLAN

Prepared By :

RUQN AL HANDASA
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AMMAN - JORDAN
TEL. : 4653344 FAX. : 4653342
e-mail: ruqn@ruqn.com
Website: www.ruqn.com

DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/750 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C002	A-3

PARCEL COORDINATES			
Point #	Easting	Northing	LEVEL
CP.1	306840.91	268431.42	39.88
CP.2	306851.26	268443.55	41.01
CP.3	306824.57	268427.93	39.14
X.1	306793.70	268428.91	37.39
X.2	306696.48	268403.78	31.52
X.3	306656.35	268393.59	29.06
X.4	306646.88	268395.96	27.97
X.5	306546.22	268366.21	21.99
X.6	306541.36	268369.13	21.47
X.7	306731.14	268424.99	33.40
X.8	306692.41	268460.96	32.82
X.9	306689.21	268520.62	32.11
X.10	306775.11	268518.21	36.09
X.11	306703.49	268582.71	32.12
X.12	306715.63	268693.03	30.63
X.13	306535.78	268597.60	22.86
X.14	306706.28	268671.77	31.15
X.15	306537.53	268532.49	22.84
X.16	306537.06	268499.24	22.82
X.17	306534.78	268466.85	22.63
X.18	306535.86	268727.06	19.80
X.19	306671.42	268760.69	27.45
X.20	306573.88	268631.11	22.38

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

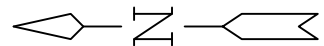
LEGEND:	
	Asphalt
	Curbstone
	Exist Walls
	DLS BORDER
	Building
	Bench Mark/ Traverse
	Sewer Manhole
	Exist GRILL MANHOLE
	Distribution Board
	Elect. Pole
	Sub Station
	DEMOLISHED BUILDINGS
	CANCEL TURN
	NEW TURN
	ASEZA BORDER
	TREE
	REMOVED TREE

Tender Drawings



REV. NO.	DATE	DESCRIPTION
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KEY PLAN



PROJECT OWNER :



سلطة منطقة العقبة
الاقتصادية الخاصة

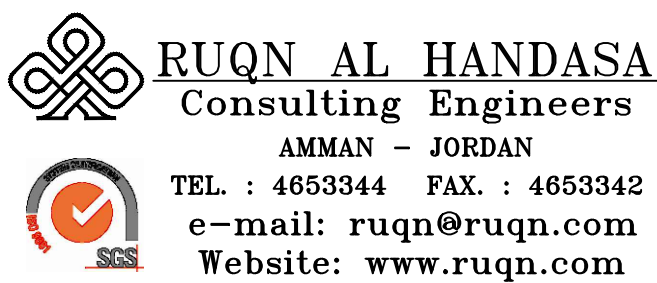
PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية
الاحتمية ضمن المنطقة التجارية الثانية
(منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

DEMOLISHING PLAN

Prepared By :



DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/750 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C003	A-3

PARCEL COORDINATES			
Point #	Easting	Northing	LEVEL
CP.1	306840.91	268431.42	39.88
CP.2	306851.26	268443.55	41.01
CP.3	306824.57	268427.93	39.14
X.1	306793.70	268428.91	37.39
X.2	306696.48	268403.78	31.52
X.3	306656.35	268393.59	29.06
X.4	306646.88	268395.96	27.97
X.5	306546.22	268366.21	21.99
X.6	306541.36	268369.13	21.47
X.7	306731.14	268424.99	33.40
X.8	306692.41	268460.96	32.82
X.9	306689.21	268520.62	32.11
X.10	306775.11	268518.21	36.09
X.11	306703.49	268582.71	32.12
X.12	306715.63	268693.03	30.63
X.13	306535.78	268597.60	22.86
X.14	306706.28	268671.77	31.15
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X.16	306537.06	268499.24	22.82
X.17	306534.78	268466.85	22.63
X.18	306535.86	268727.06	19.80
X.19	306671.42	268760.69	27.45
X.20	306573.88	268631.11	22.38

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

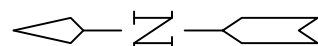
LEGEND:	
	Asphalt
	Curbstone
	Exist Walls
	DLS BORDER
	Building
	Bench Mark/ Traverse
	Sewer Manhole
	Exist GRILL MANHOLE
	Distribution Board
	Elect. Pole
	Sub Station
	ASEZA BORDER

Tender Drawings



REV. NO. DATE DESCRIPTION

KEY PLAN



PROJECT OWNER :



سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

NEW SITE PLAN

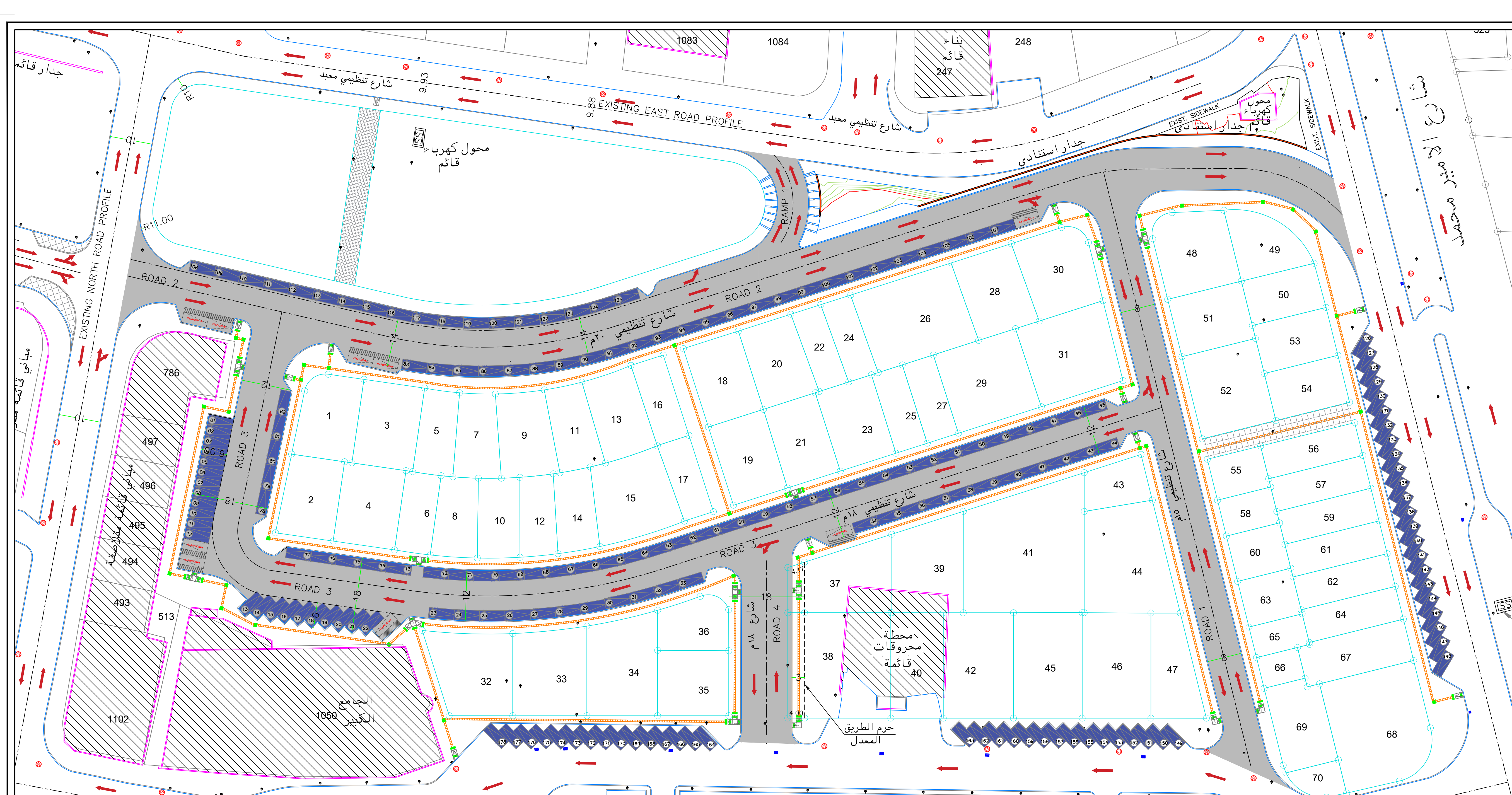
Prepared By :



DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/750 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C004	A-



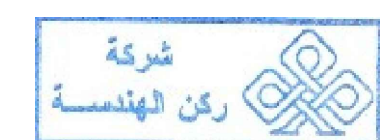
NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Note:
Tactile tile color
is per engineers directions

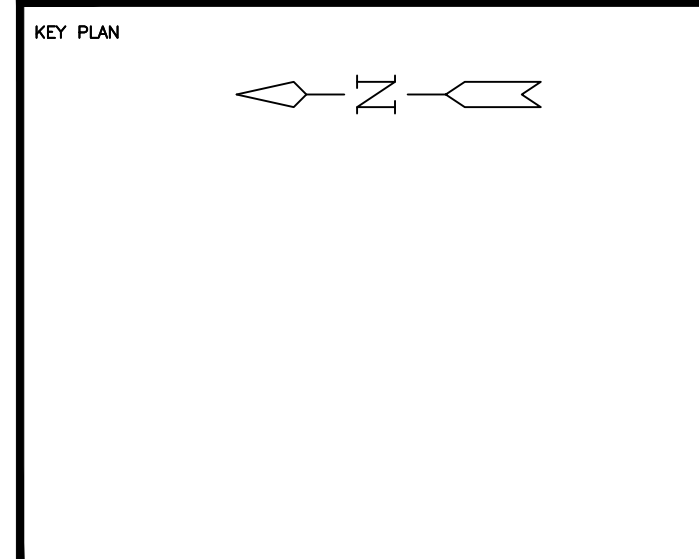
LEGEND:

Asphalt
Curbstone
Exist. Walls
DLS BORDER
Building
Bench Mark/ Traverse
Sub Station
ASEZA BORDER
TACTILE TEXTURE A
TACTILE TEXTURE B

Tender Drawings



REV. NO.	DATE	DESCRIPTION



PROJECT OWNER :



سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

TACTILE PLAN
AND SIDEWALK DETAILS

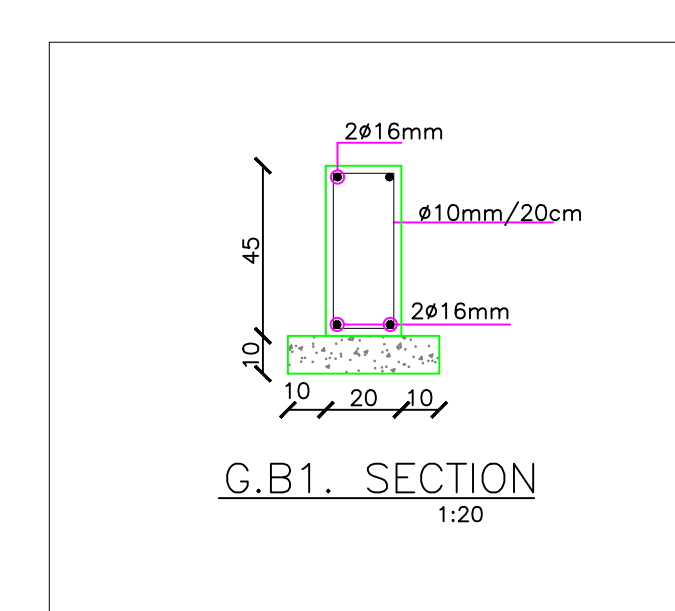
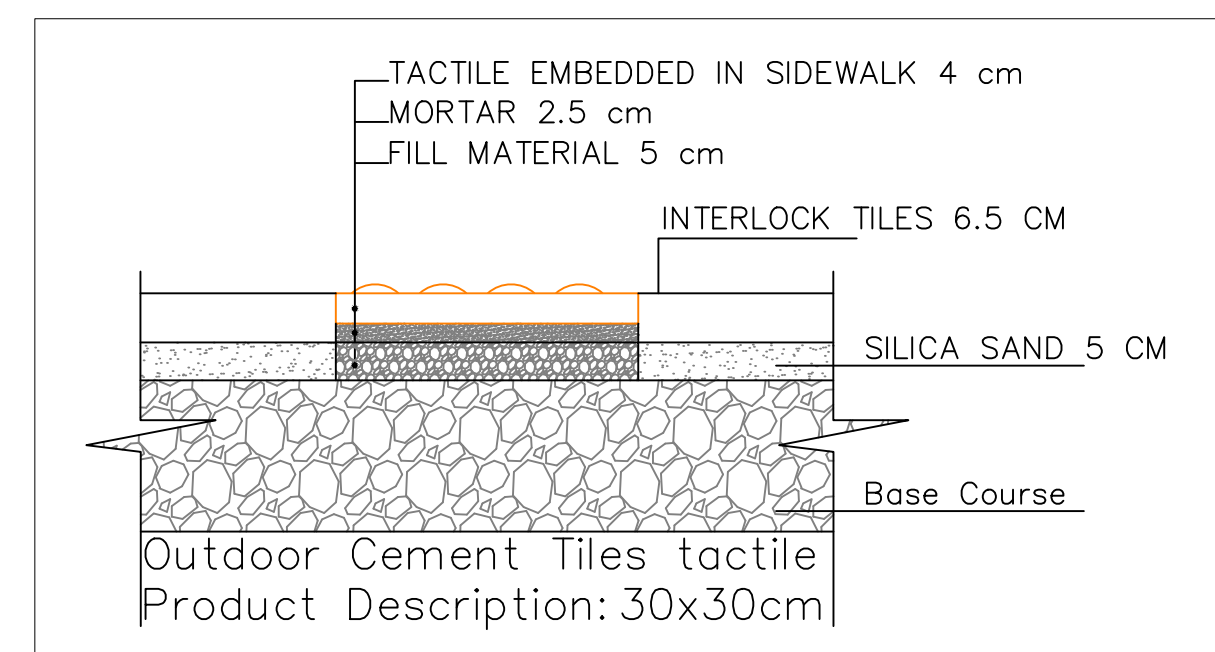
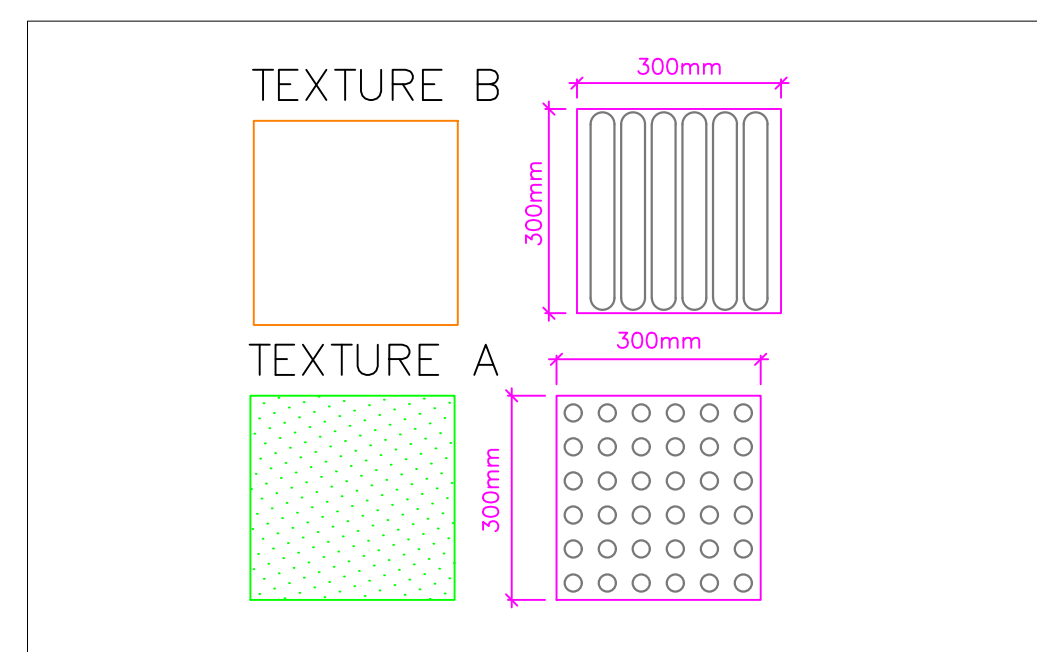
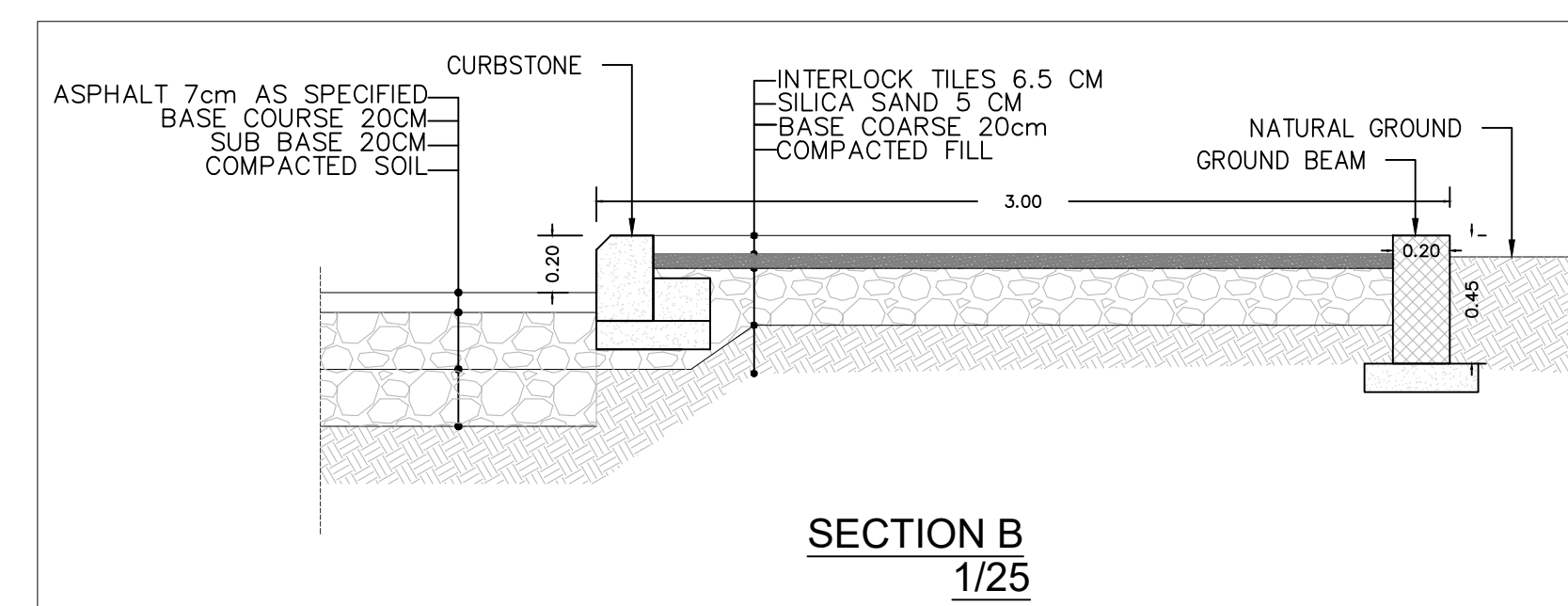
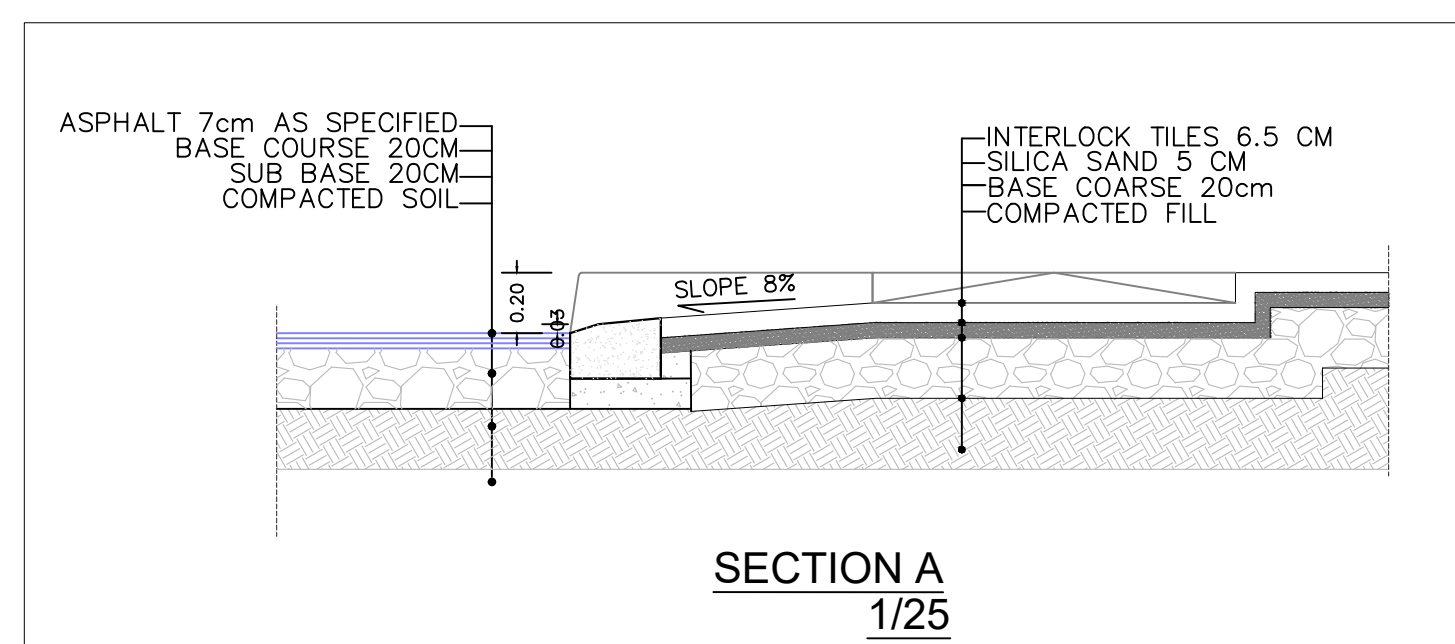
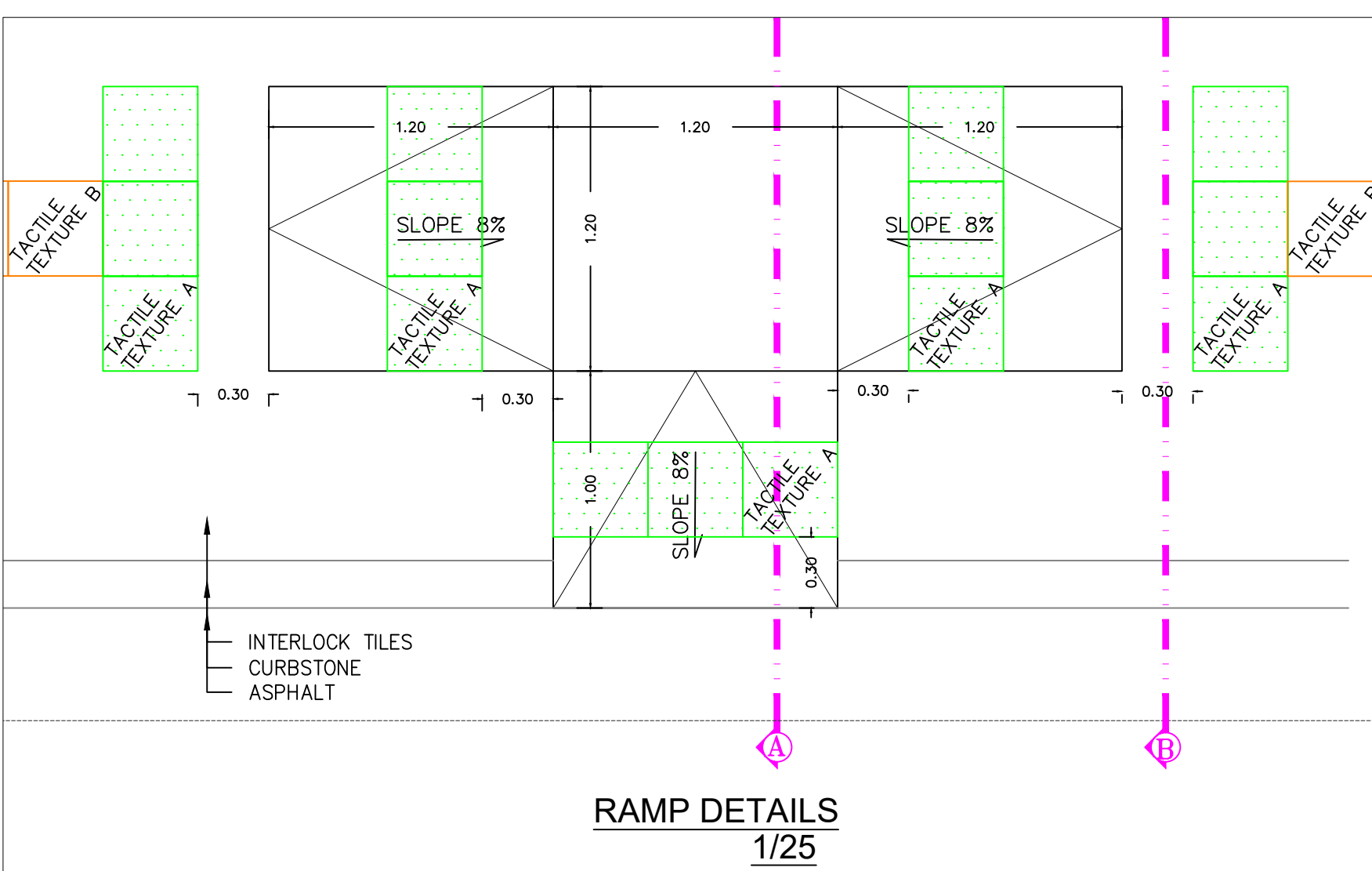
Prepared By :



DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/500 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C005	A-3



NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

LEGEND:

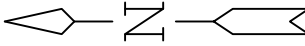
	Asphalt
	Curbstone
	Exist Walls
	DLS BORDER
	Building
	Bench Mark/ Traverse
	Sub Station
	ASEZA BORDER
	(T.C.) TRASH CAN

Tender Drawings



REV. NO.	DATE	DESCRIPTION
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KEY PLAN



PROJECT OWNER :

سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

TRASH CAN LOCATIONS PLAN AND DETAILS

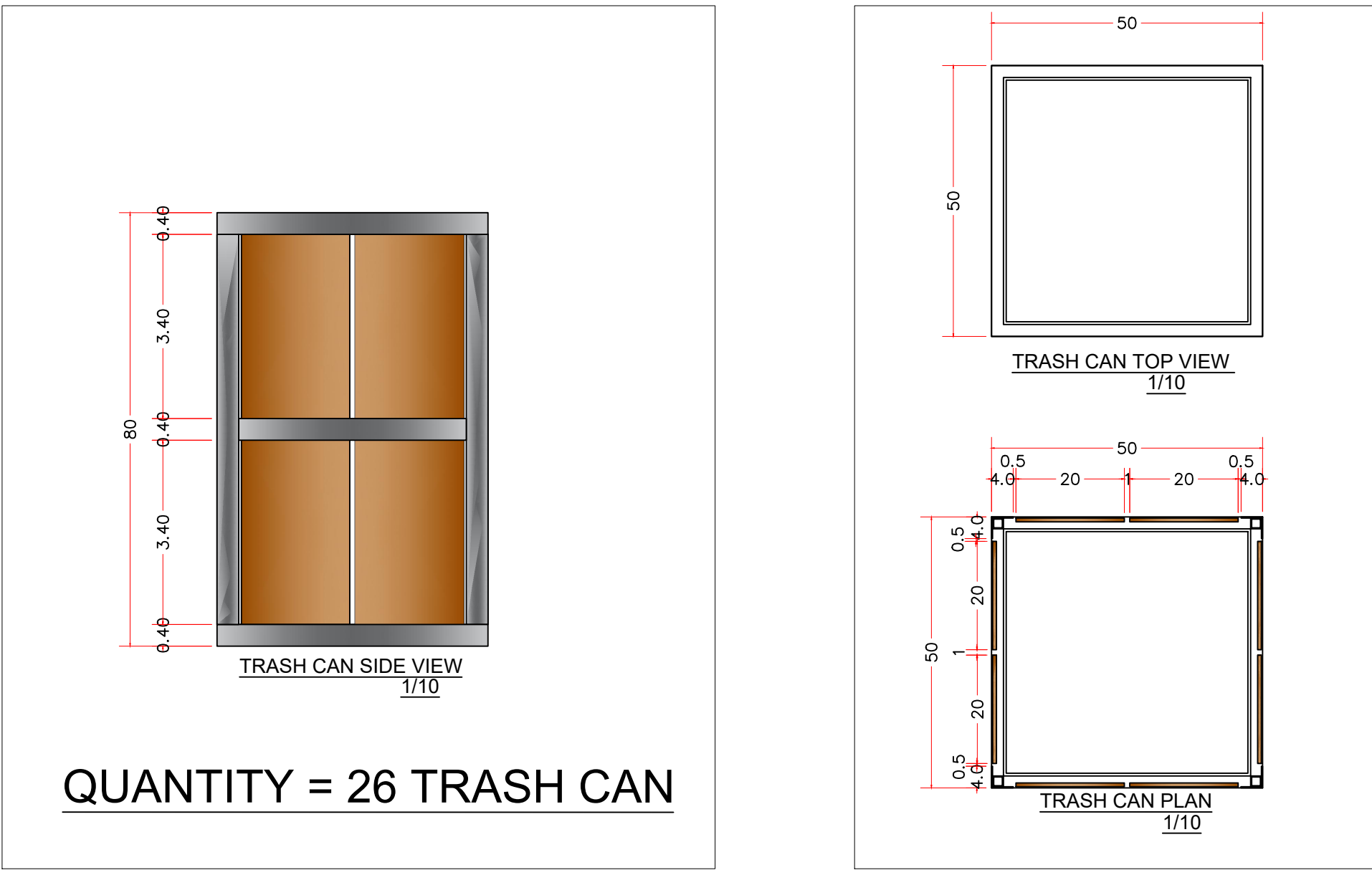
Prepared By :

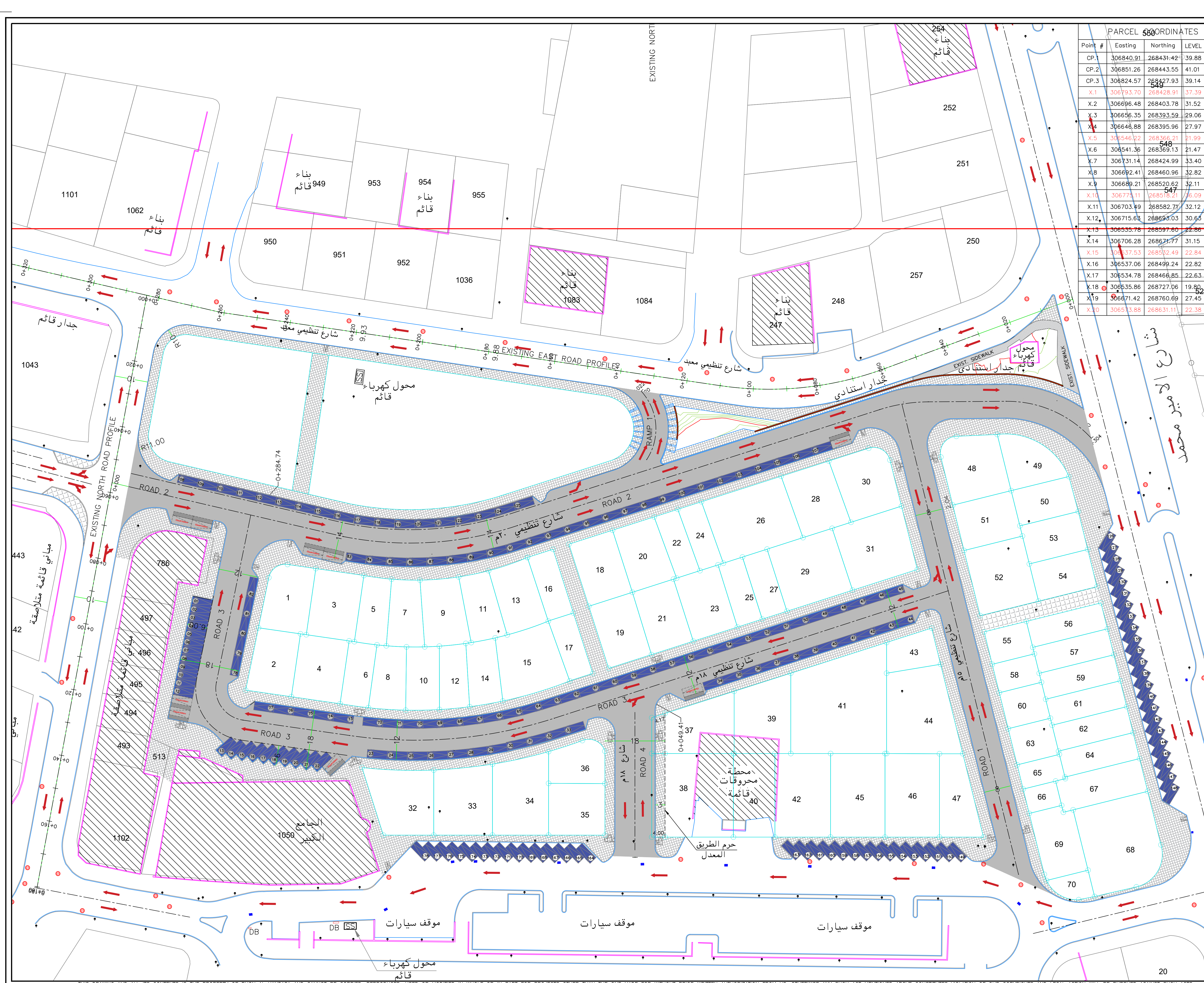
RUQN AL HANDASA
Consulting Engineers
AMMAN - JORDAN
TEL. : 4653344 FAX. : 4653342
e-mail: ruqn@ruqn.com
Website: www.ruqn.com

DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/750 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C006	A-3





PARCEL 550ORDINATES			
Point #	Easting	Northing	LEVEL
CP.1	306840.91	268431.42	39.88
CP.2	306851.26	268443.55	41.01
CP.3	306824.57	268427.93	39.14
X.1	306793.70	268428.91	37.39
X.2	306696.48	268403.78	31.52
X.3	306656.35	268393.59	29.06
X.4	306646.88	268395.96	27.97
X.5	306546.22	268366.21	21.99
X.6	306541.36	268369.13	21.47
X.7	306731.14	268424.99	33.40
X.8	306692.41	268460.96	32.82
X.9	306689.21	268520.62	32.11
X.10	306773.11	268518.21	26.09
X.11	306703.49	268582.71	32.12
X.12	306715.63	268693.03	30.63
X.13	306535.78	268597.60	22.88
X.14	306706.28	268671.77	31.15
X.15	306537.53	268532.49	22.84
X.16	306537.06	268499.24	22.82
X.17	306534.78	268466.85	22.63
X.18	306535.86	268727.06	19.80
X.19	306671.42	268760.69	27.45
X.20	306513.88	268631.11	22.38

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

LEGEND:

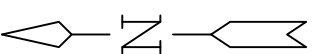
	Asphalt
	Curbstone
	Exist Fence
	Exist Walls
	DLS BORDER
	Building
	LEVEL POINTS
	Bench Mark/ Traverse
	Sewer Manhole
	Storm Water M.H.
	Distribution Board
	Elect. Pole
	Sub Station

Tender Drawings



REV. NO. DATE DESCRIPTION

KEY PLAN



PROJECT OWNER :



سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

ROAD PROFILE PLAN

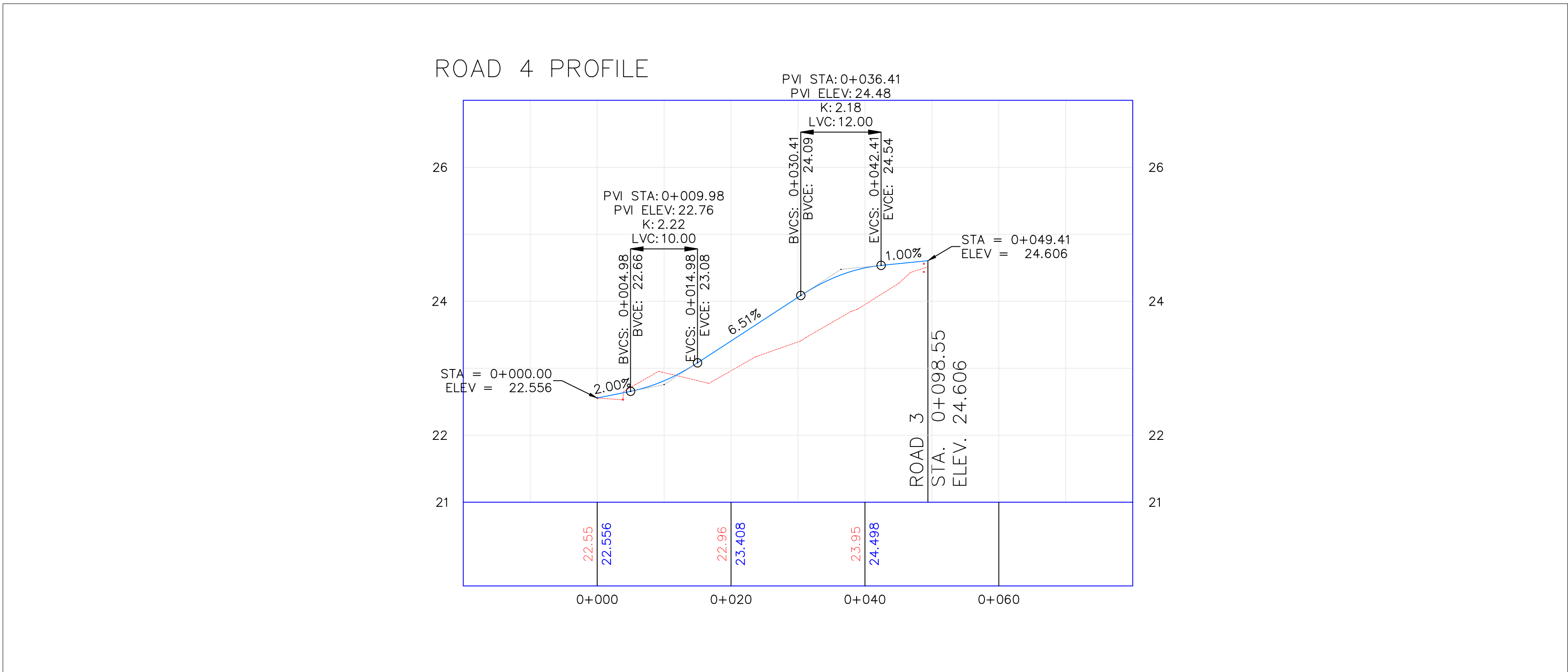
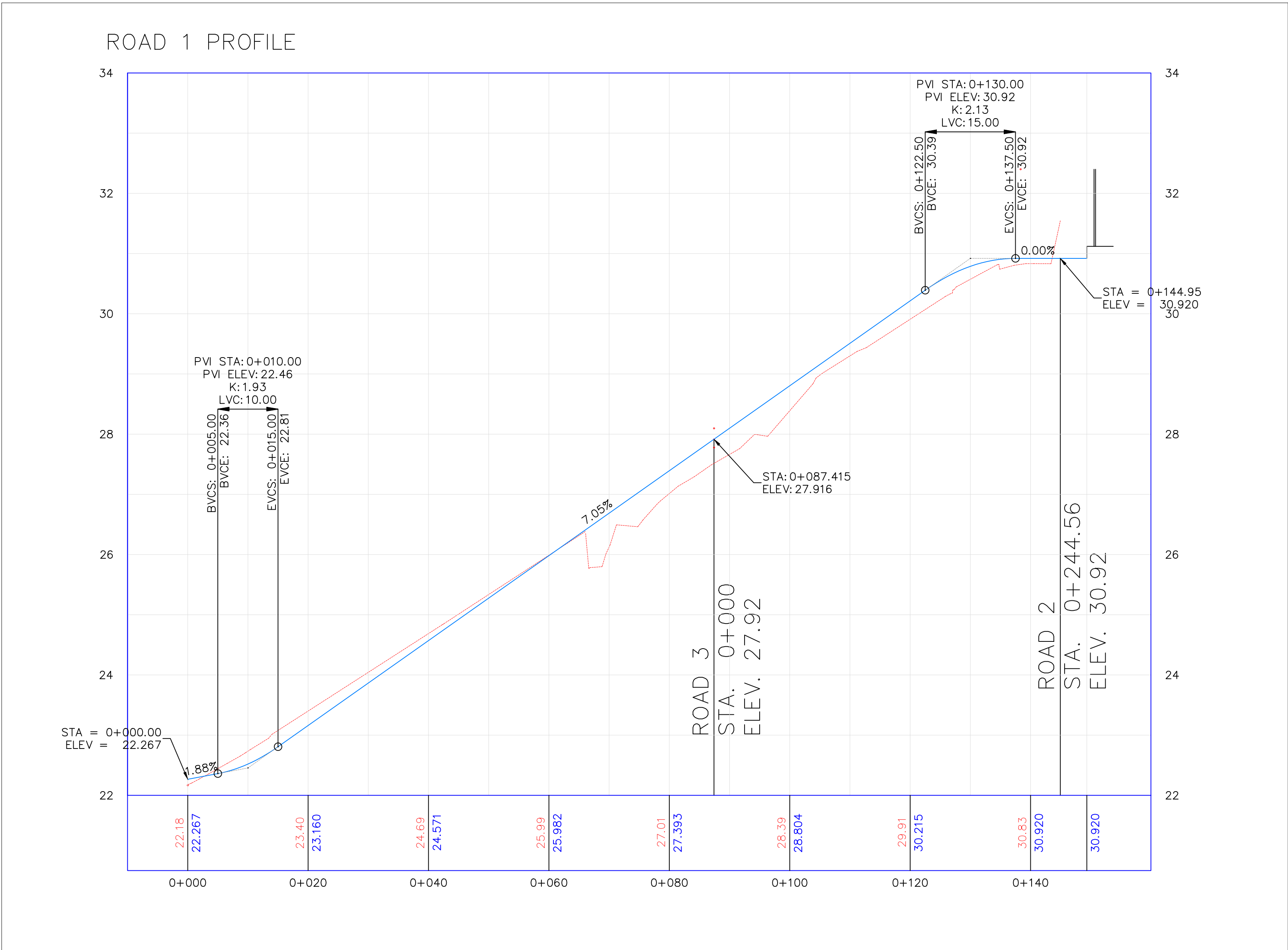
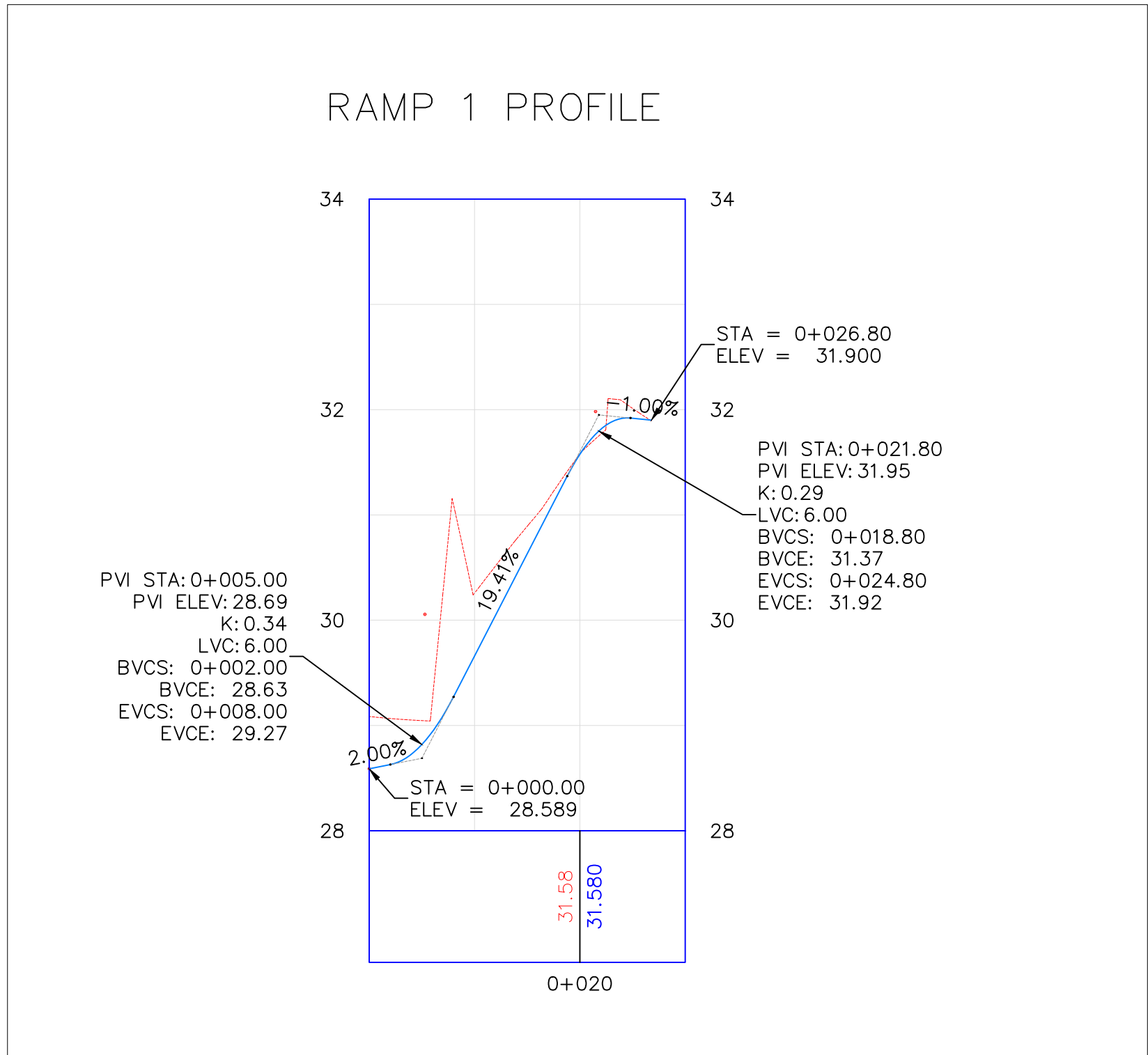
Prepared By :

RUQN AL HANDASA
Consulting Engineers
AMMAN - JORDAN
TEL. : 4653344 FAX. : 4653342
e-mail: ruqn@ruqn.com
Website: www.ruqn.com

DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/500 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C007	A—



NOTES :

- COORDINATES SYSTEM: (JTM)
- ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO.	DATE	DESCRIPTION

KEY PLAN

PROJECT OWNER :



سلطة منطقة العقبة الاقتصادية الخاصة

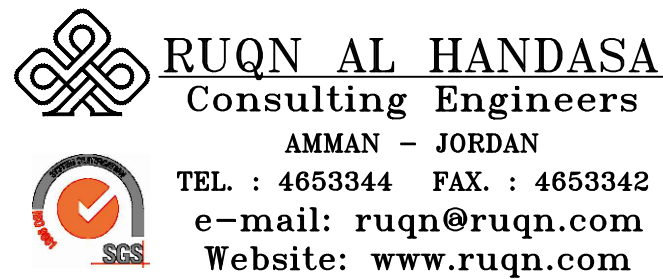
PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

ROAD 1 PROFILE,
RAMP 1 PROFILE
AND ROAD 4 PROFILE

Prepared By :

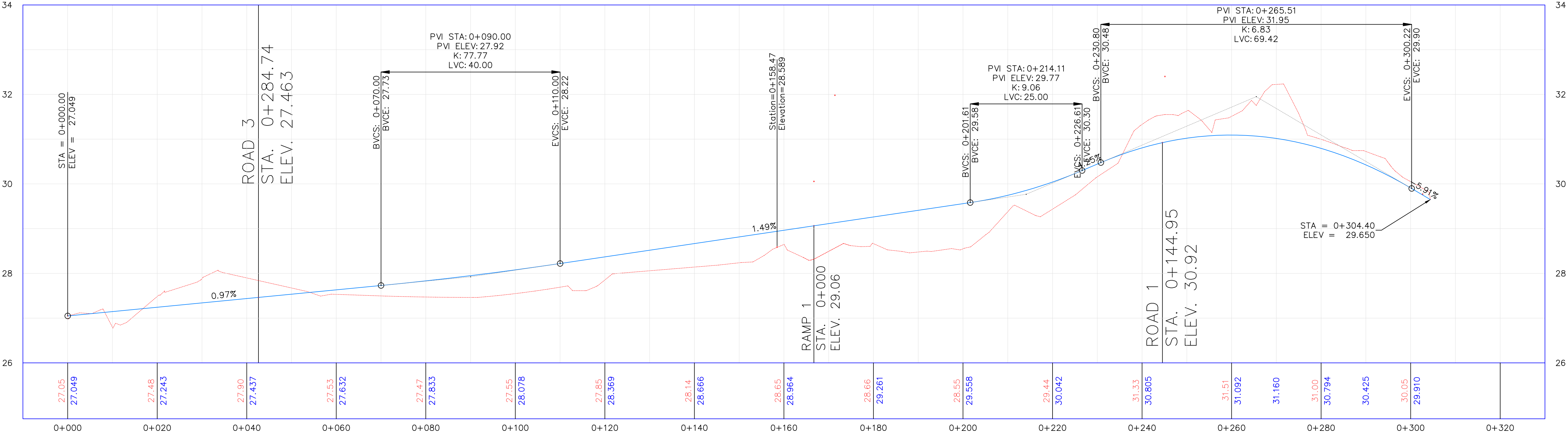


DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/500 SHEET SIZE: A1

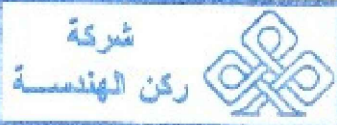
PLOT NO.	BASIN NO.	CAD FILE
--	9 ALJAME'	SER_DC_X.REF_348
ISSUE DATE	PROJECT NO.	DRAWING NO.
MAR.2026	348	C008
		REV.
		A-3

ROAD 2 PROFILE



NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

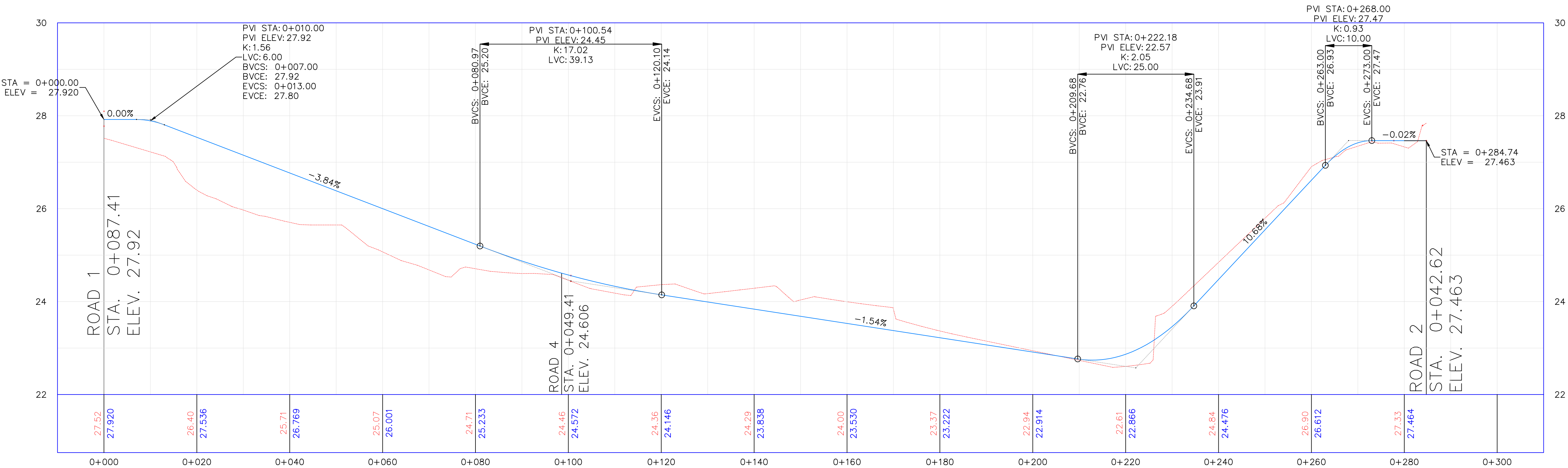
Tender Drawings



REV. NO.	DATE	DESCRIPTION
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KEY PLAN

ROAD 3 PROFILE



PROJECT OWNER :



سلطة منطقة العقبة
الاقتصادية الخاصة

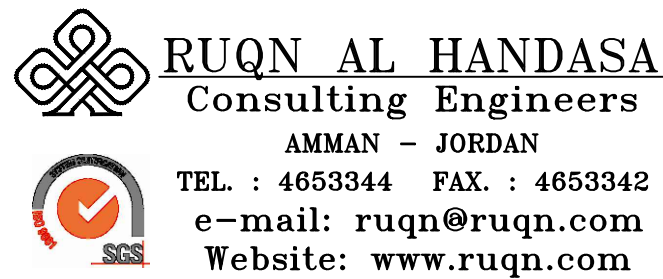
PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية
الحماية ضمن المنطقة التجارية الثانية
(منطقة التفسير) في مدينة العقبة

DRAWING NAME :

ROAD 2 PROFILE
AND
ROAD 3 PROFILE

Prepared By :

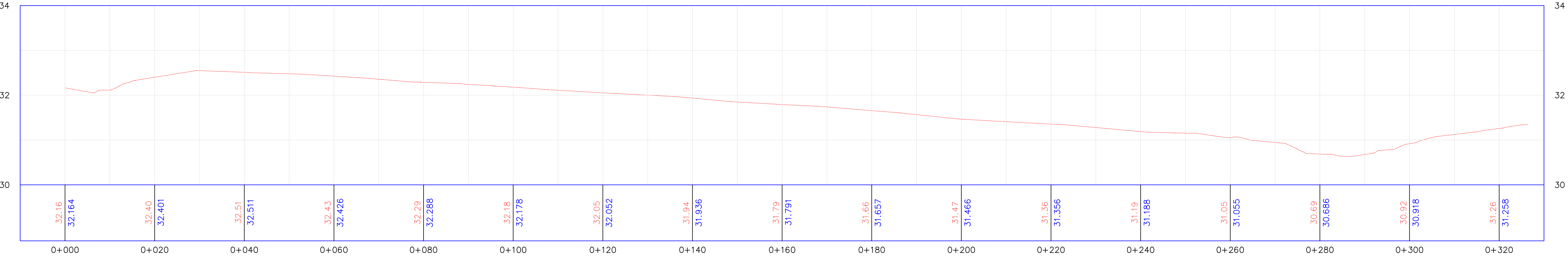


DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/500 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C009	A-3

EXISTING EAST ROAD PROFILE



EXISTING NORTH ROAD PROFILE



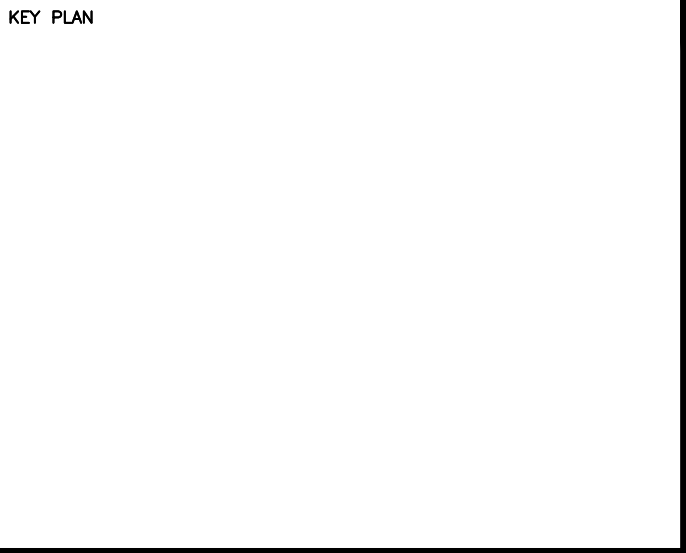
NOTES :

- COORDINATES SYSTEM: (JTM)
- ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO.	DATE	DESCRIPTION



PROJECT OWNER :



سلطة منطقة العقبة
الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية
الاحتمية ضمن المنطقة التجارية الثانية
(منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

EXST. EAST ROAD PROFILE
AND
EXST. NORTH ROAD PROFILE

Prepared By :



DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/500 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE
--	9 ALJAME'	SER_DC_X.REF_348
ISSUE DATE	PROJECT NO.	DRAWING NO.
MAR.2026	348	C10
		REV.
		A-3

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

LEGEND:

	Asphalt
	Curbstone
	Exist Walls
	DLS BORDER
	Building
	Bench Mark/ Traverse
	Sewer Manhole
	Exist GRILL MANHOLE
	Distribution Board
	Elect. Pole
	Sub Station
	ASEZA BORDER
	LEVEL POINTS

Tender Drawings



REV. NO. DATE DESCRIPTION

KEY PLAN

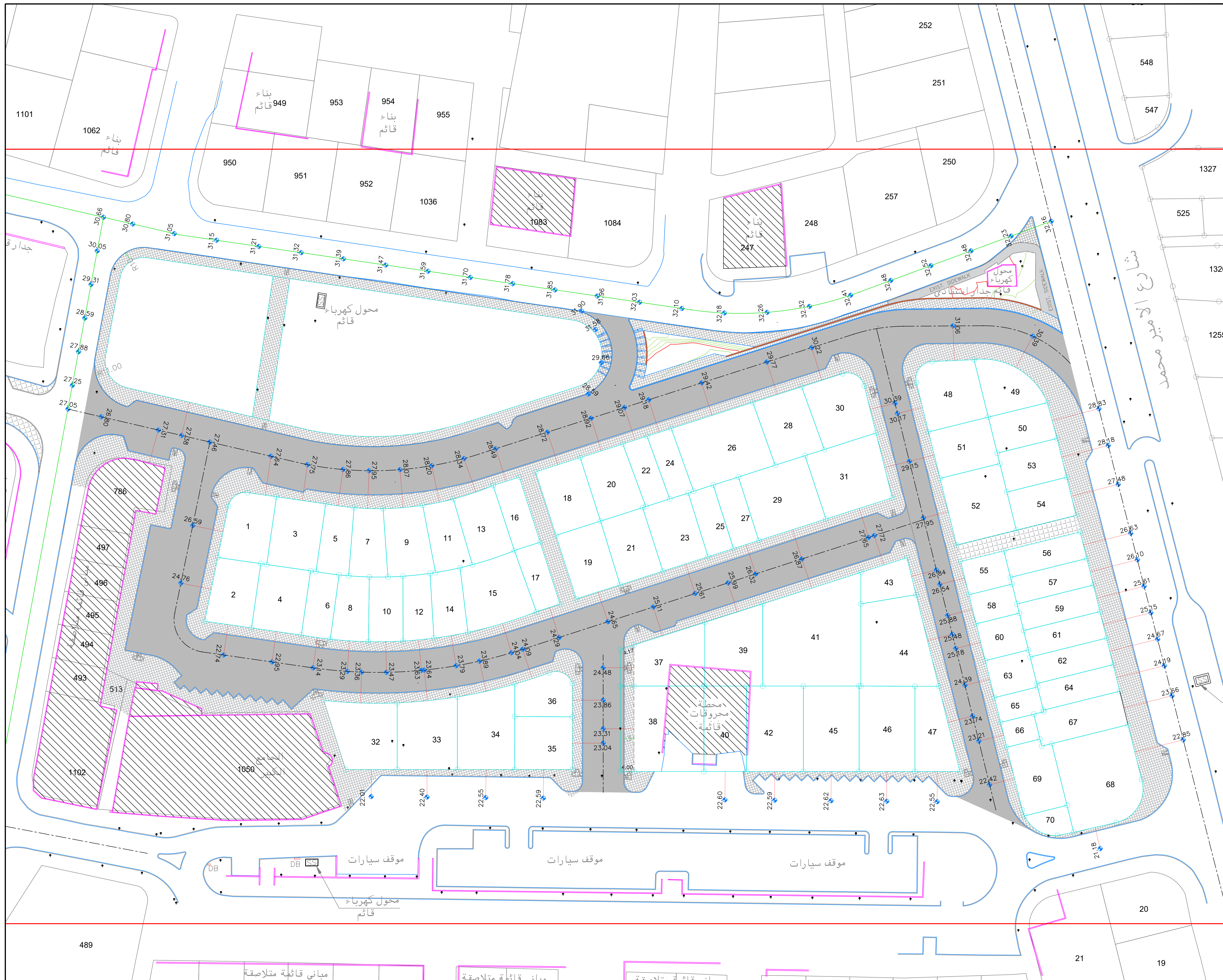
PROJECT OWNER :
سلطة منطقة العقبة الاقتصادية الخاصة
AQABA SPECIAL ECONOMIC ZONE AUTHORITY

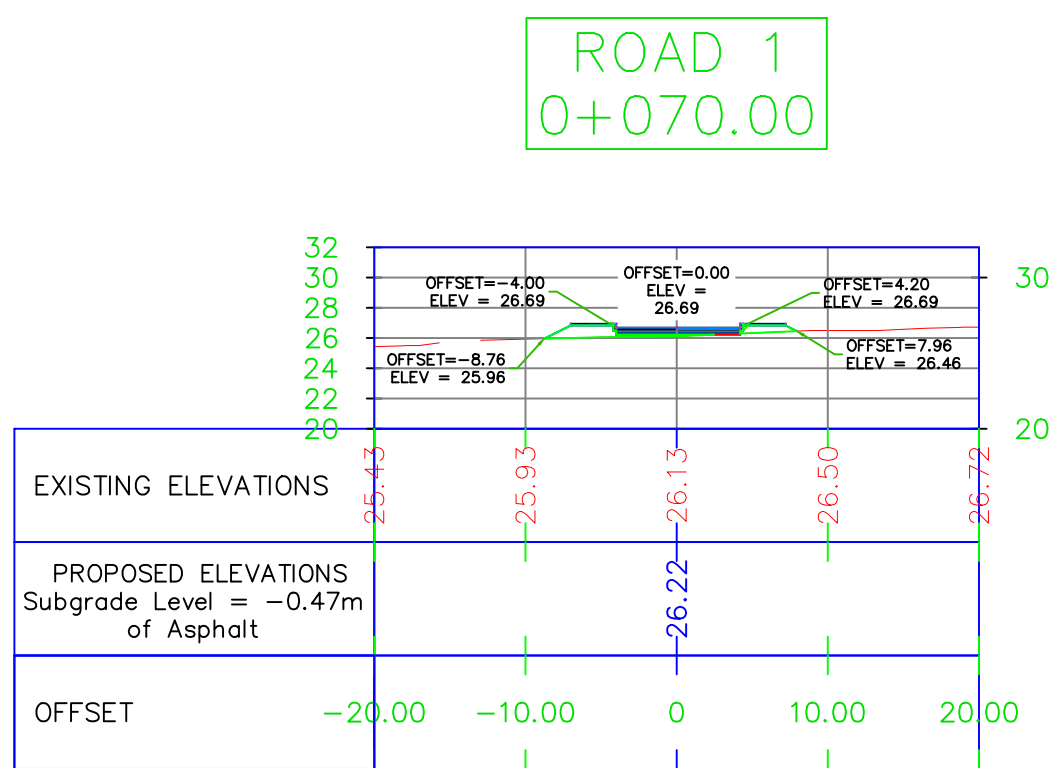
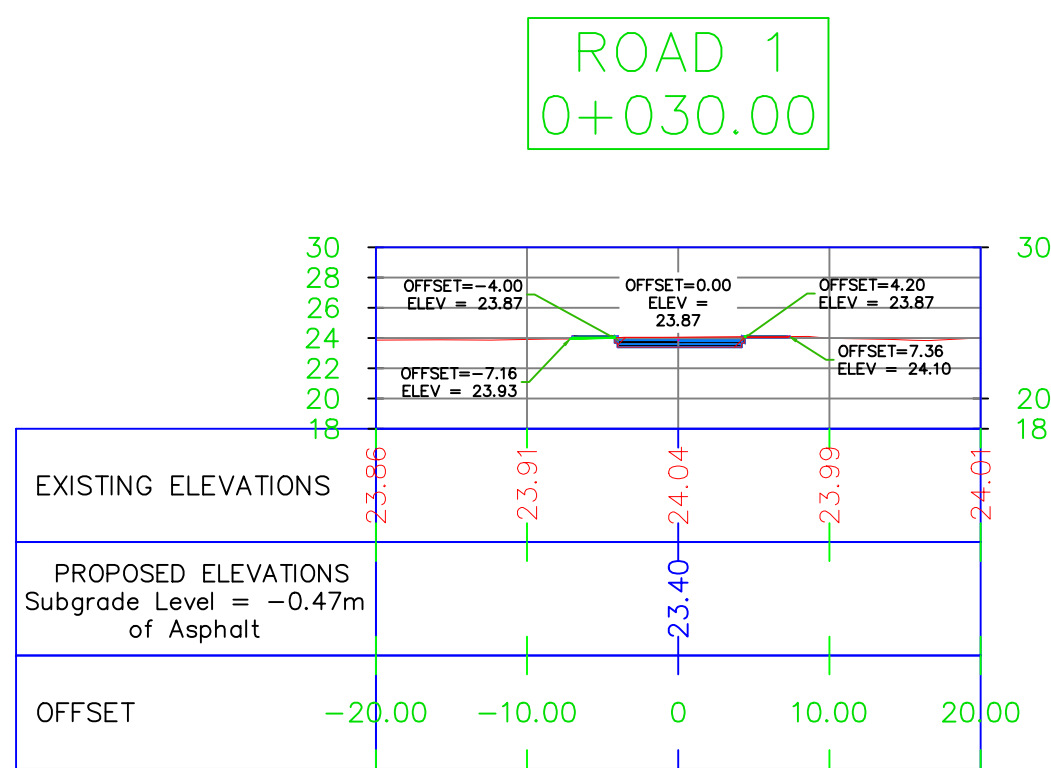
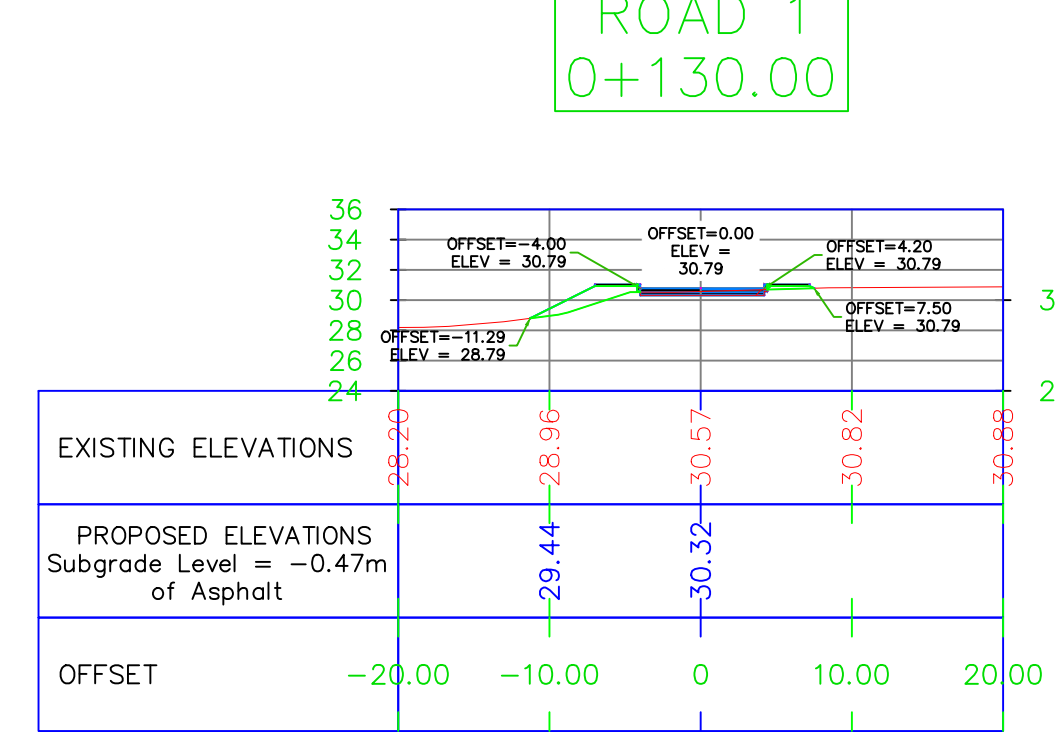
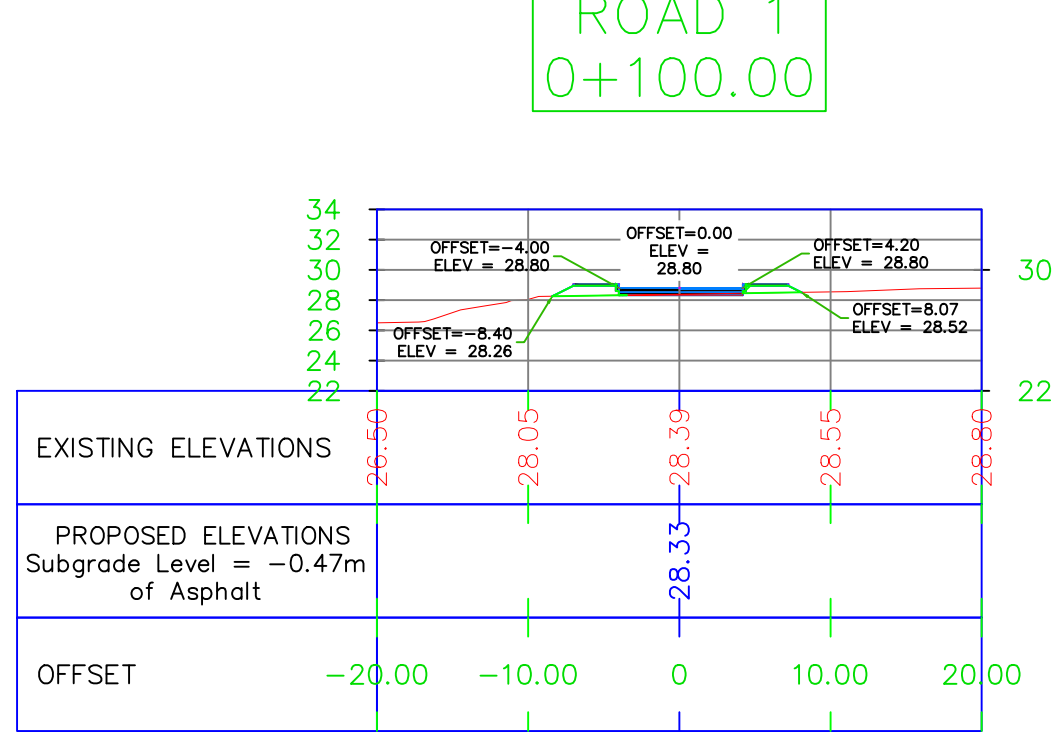
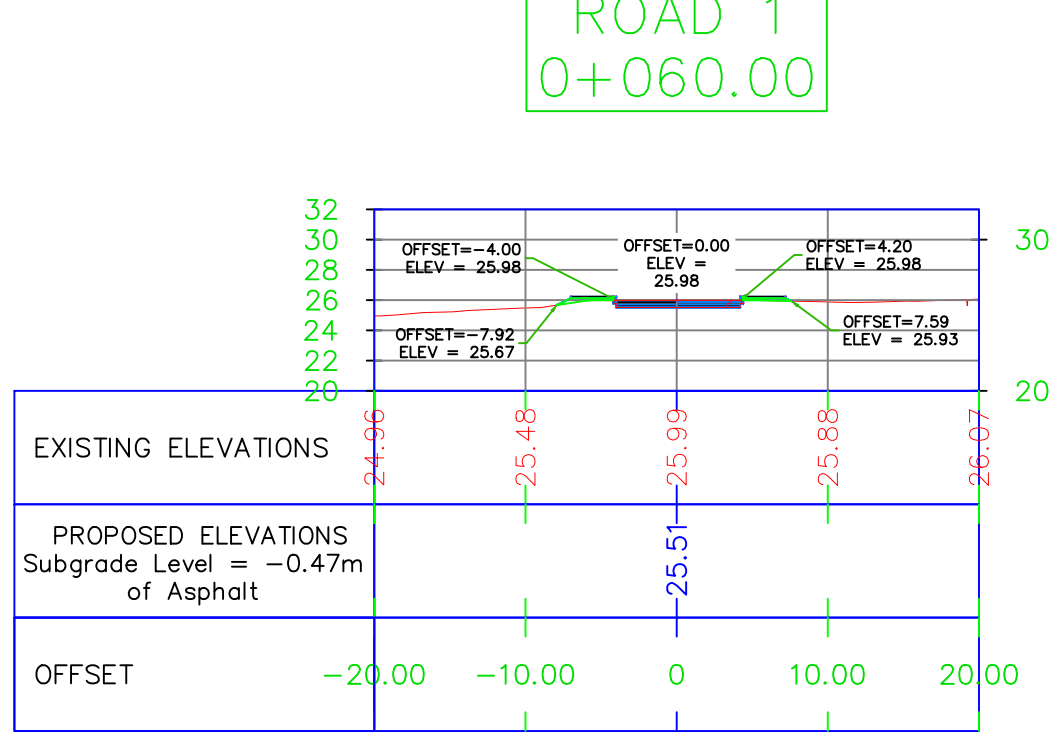
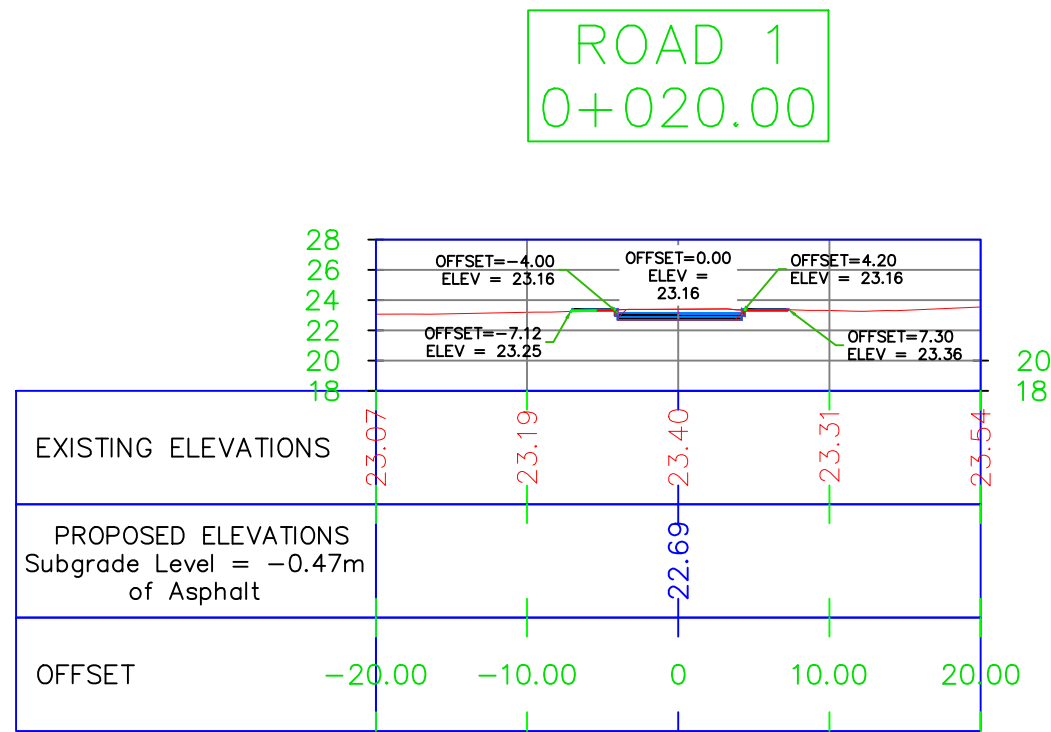
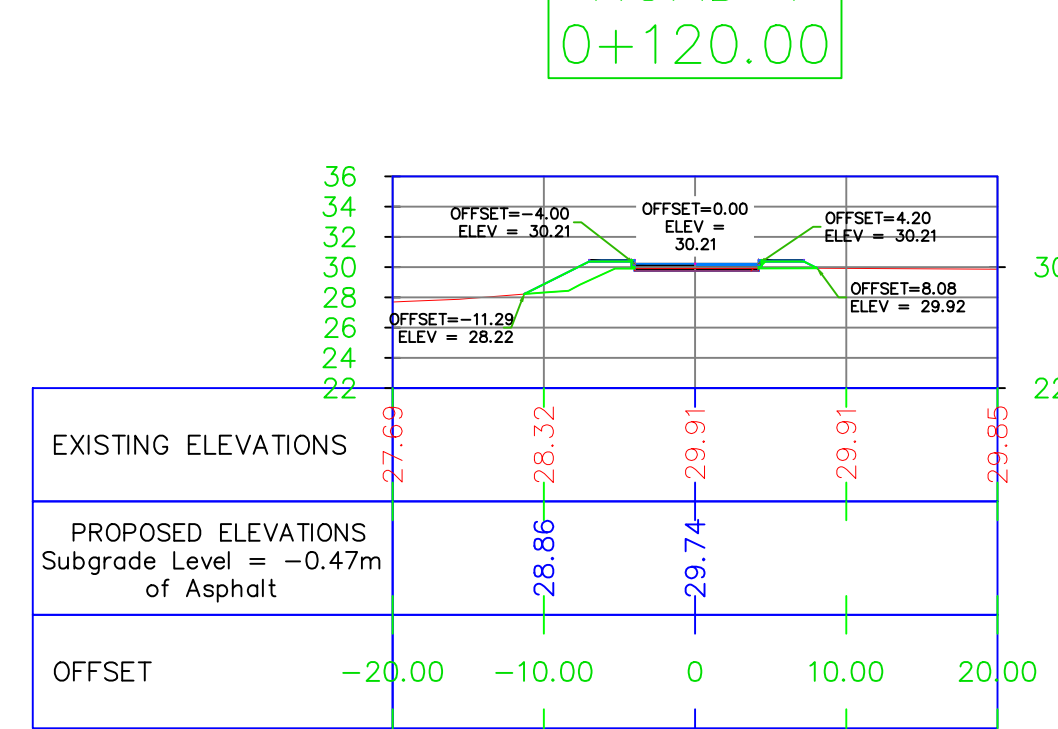
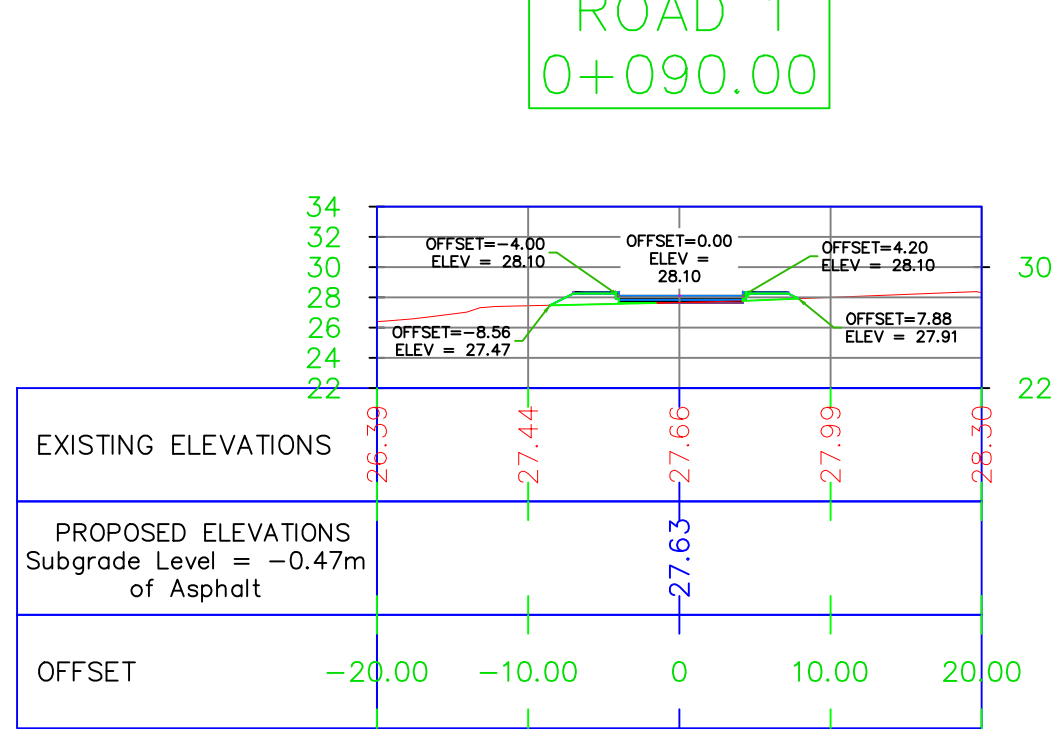
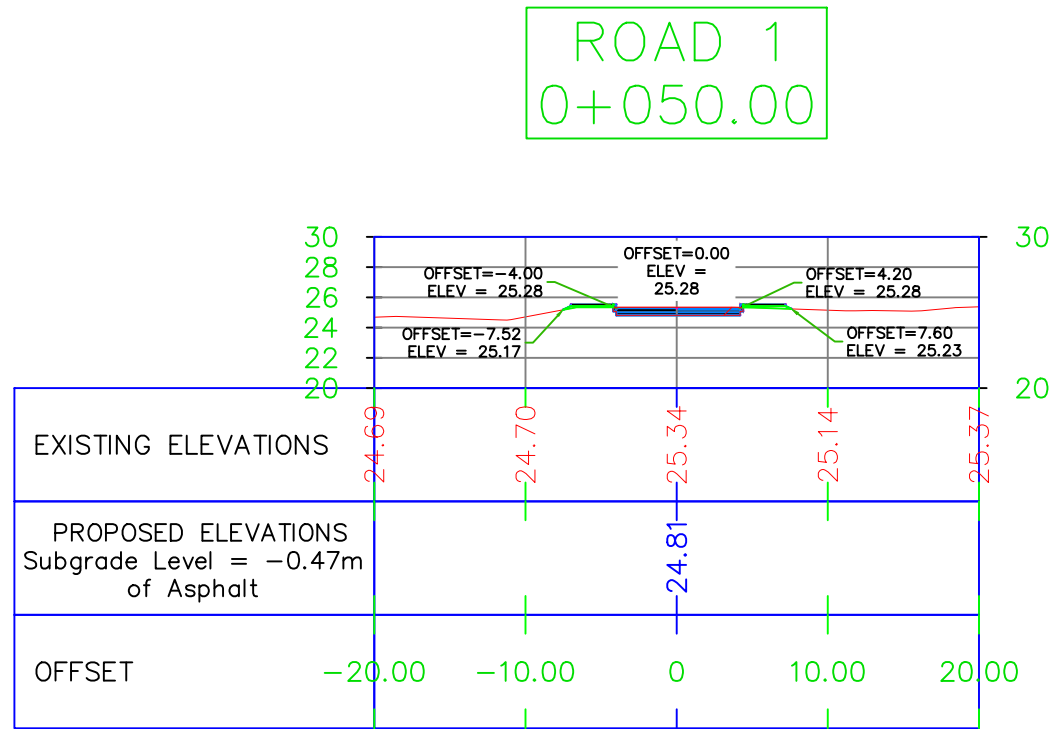
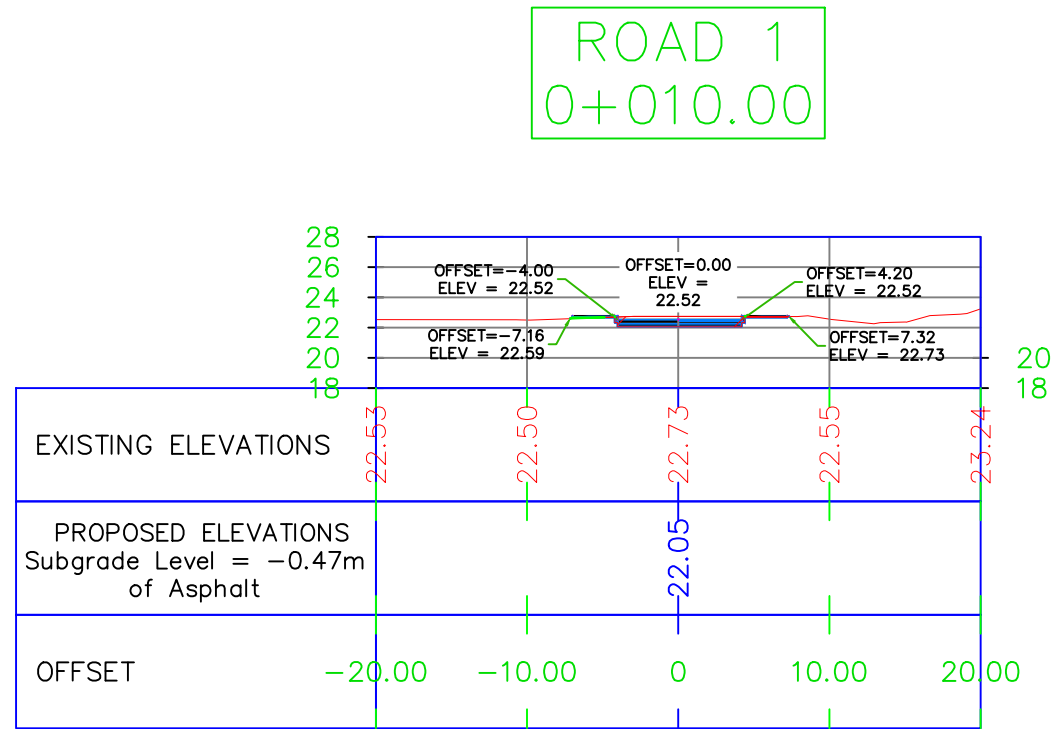
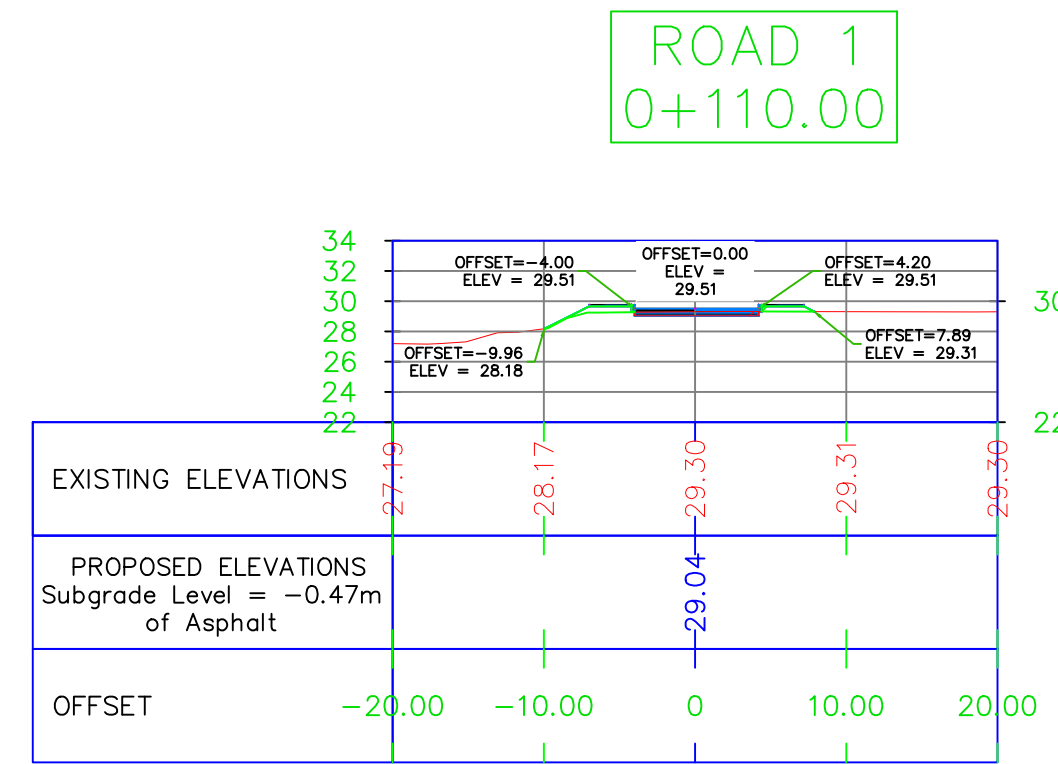
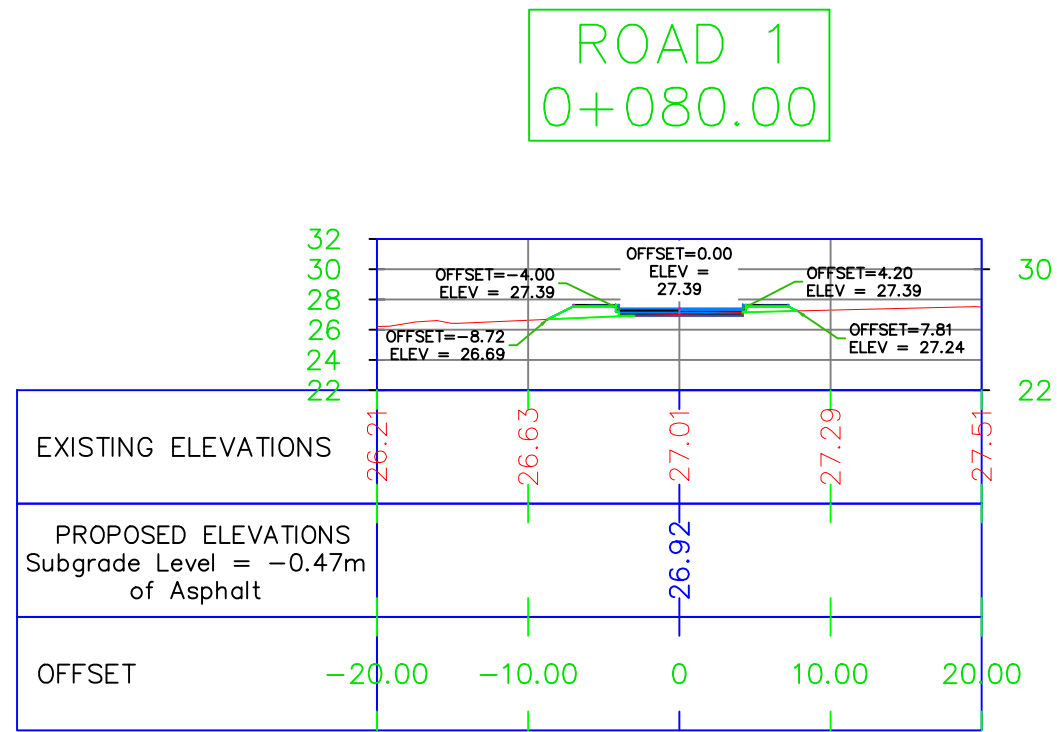
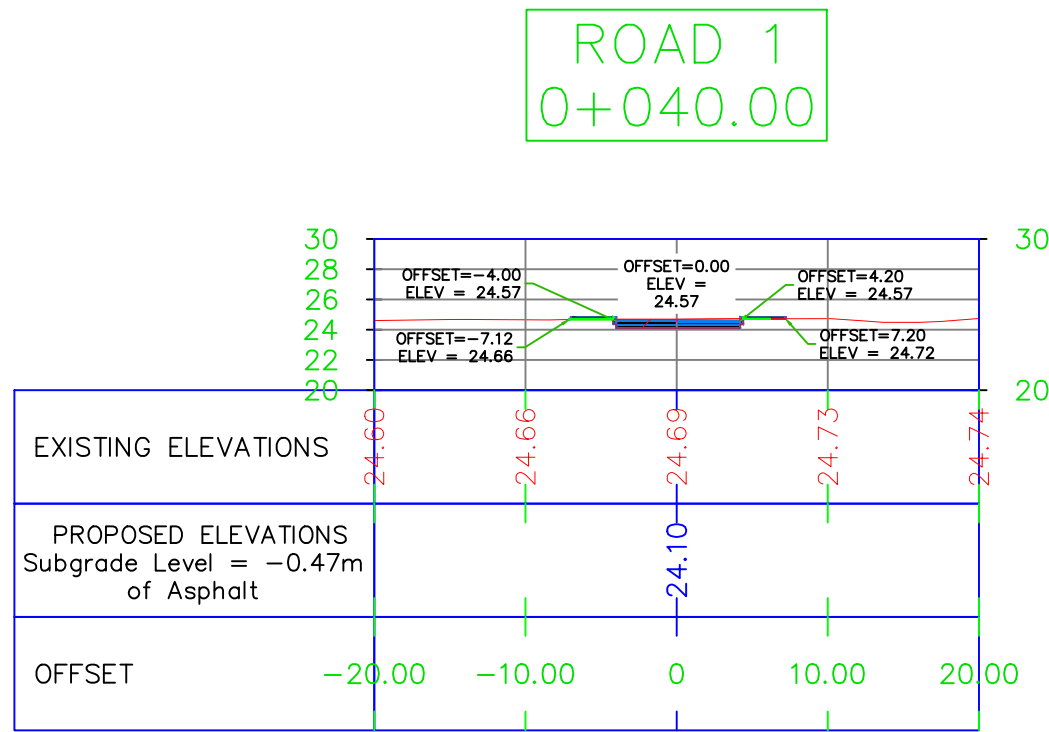
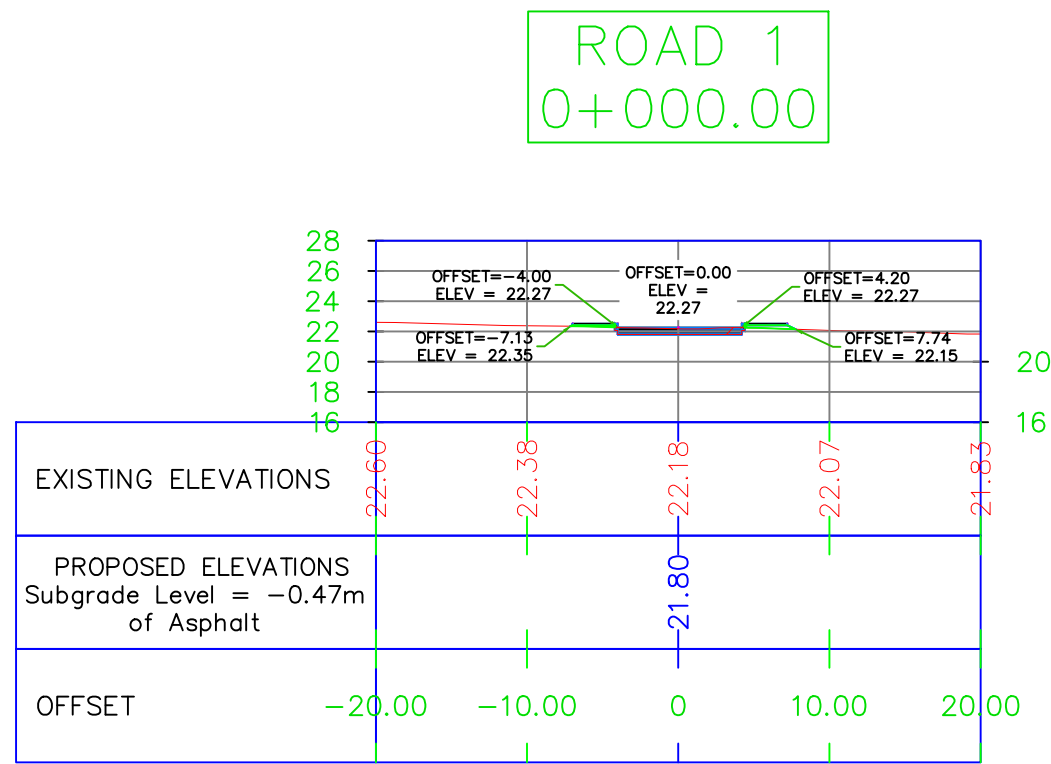
PROJECT NAME :
عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :
ROADS LEVEL PLAN

Prepared By :
RUQN AL HANDASA
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AMMAN - JORDAN
TEL. : 4653344 FAX. : 4653342
e-mail: ruqn@ruqn.com
Website: www.ruqn.com

DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	
SCALE: 1/500		SHEET SIZE: A1
PLOT NO.	BASIN NO.	CAD FILE
--	9 ALJAME'	SER_DC_X.REF_348
ISSUE DATE	PROJECT NO.	DRAWING NO.
MAR.2026	348	C11
		A-3





ROAD 1 Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	0.92	3.52	0.00	0.00	0.00	0.00
0+010.00	0.09	5.94	5.05	47.27	5.05	47.27
0+020.00	0.05	6.12	0.66	60.30	5.71	107.57
0+030.00	0.14	5.71	0.95	59.13	6.66	166.71
0+040.00	0.17	4.99	1.55	53.50	8.21	220.20
0+050.00	0.73	4.45	4.46	47.21	12.66	267.41
0+060.00	1.13	3.99	9.30	42.20	21.97	309.61
0+070.00	5.18	0.07	31.56	20.29	53.53	329.90
0+080.00	3.87	0.78	45.24	4.25	98.77	334.15
0+090.00	4.04	0.37	39.54	5.79	138.30	339.95
0+100.00	3.91	0.47	39.75	4.21	178.05	344.15
0+110.00	2.61	2.14	32.61	13.01	210.66	357.16
0+120.00	6.96	1.34	47.87	17.40	258.53	374.56
0+130.00	5.56	2.22	62.64	17.81	321.17	392.36

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO. DATE DESCRIPTION

KEY PLAN

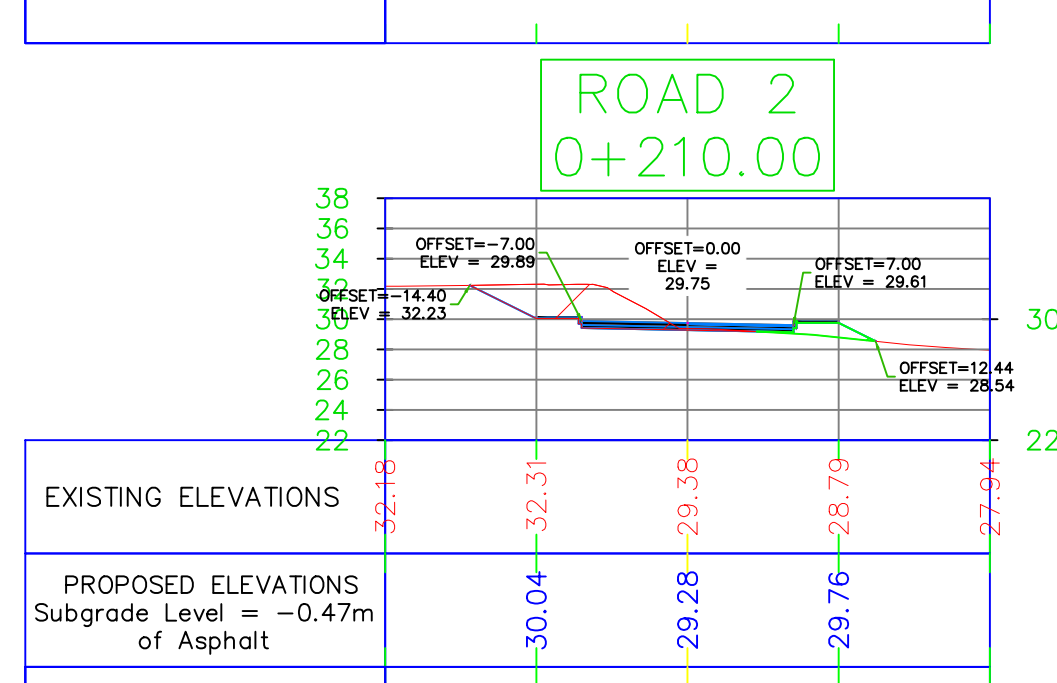
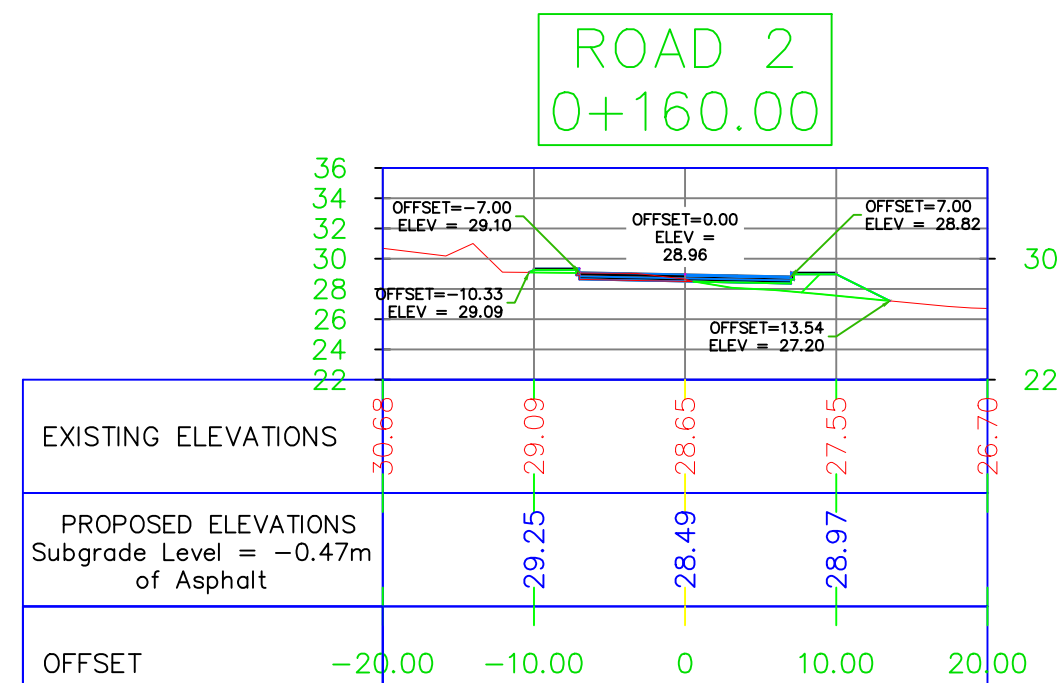
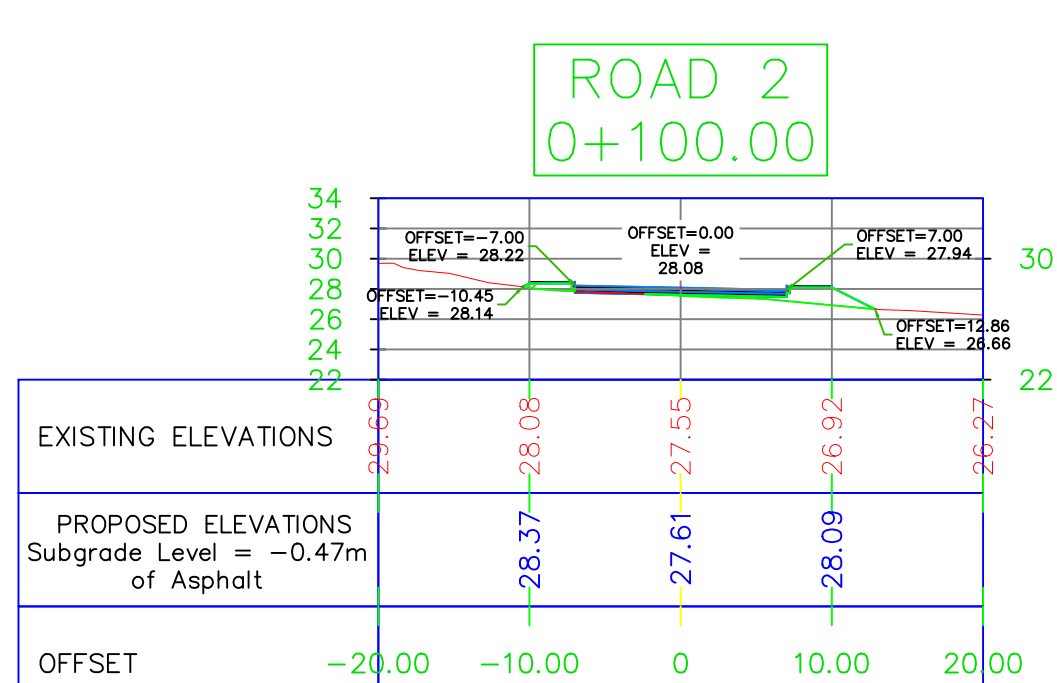
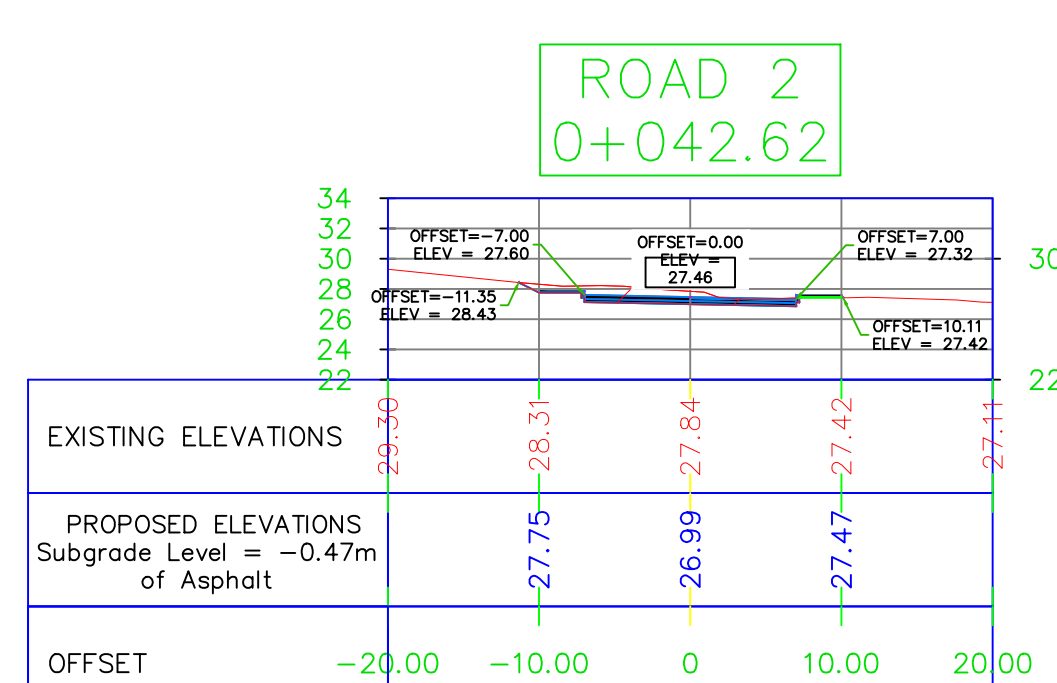
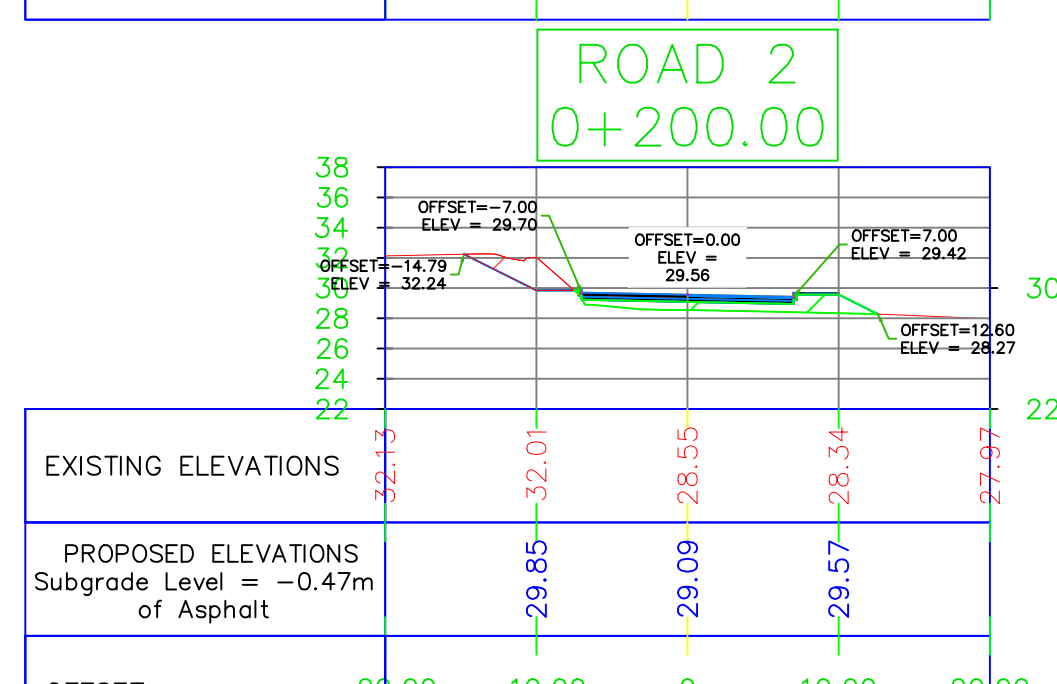
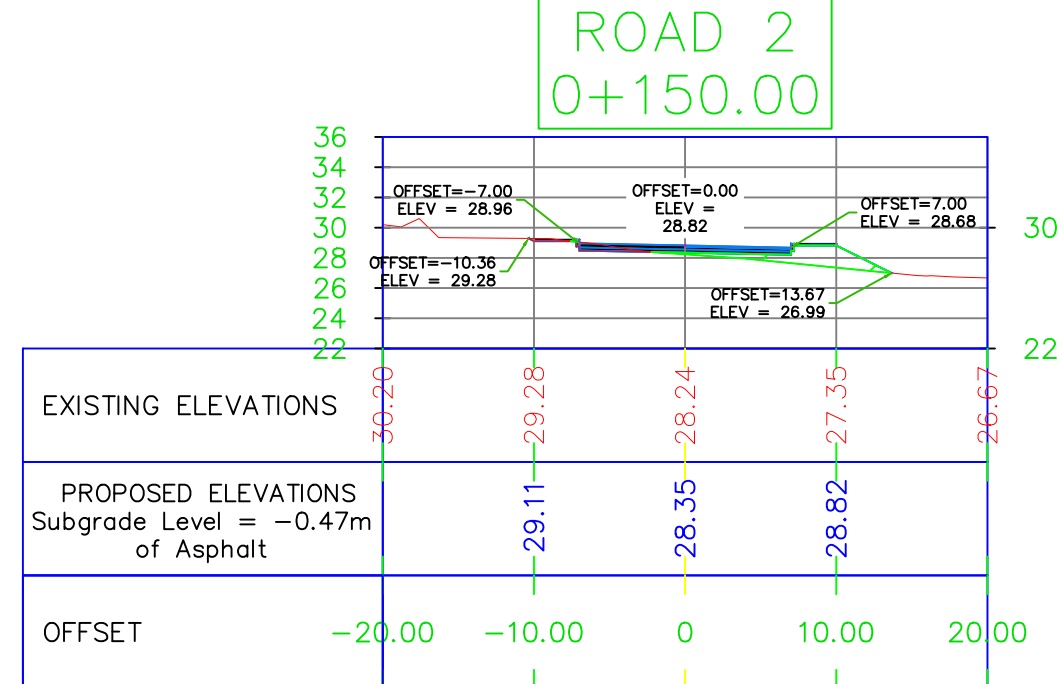
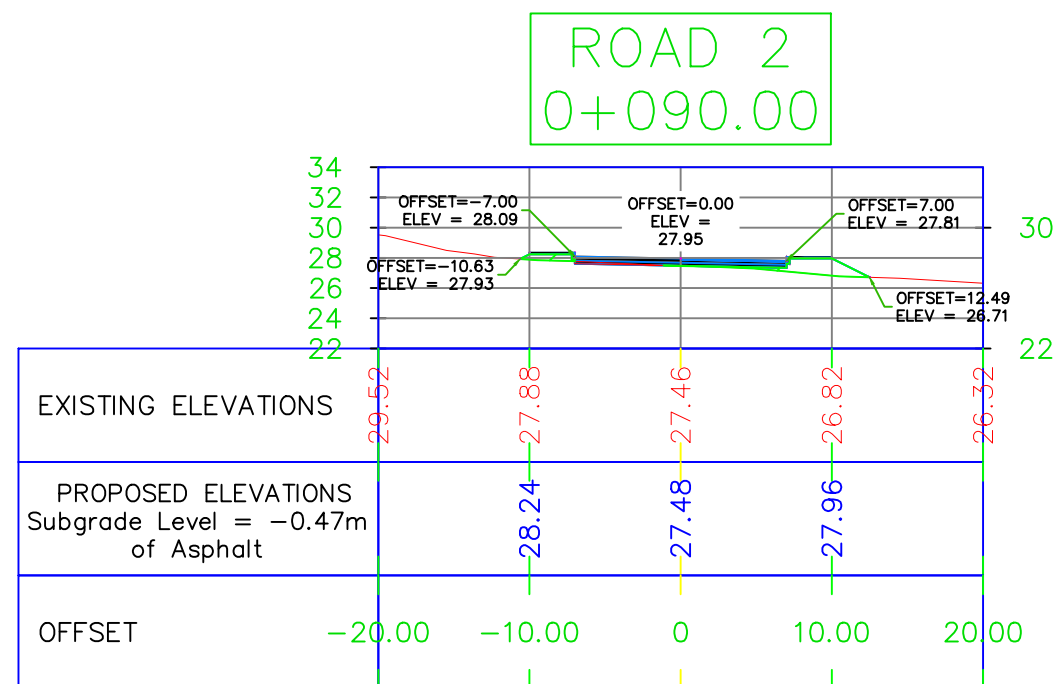
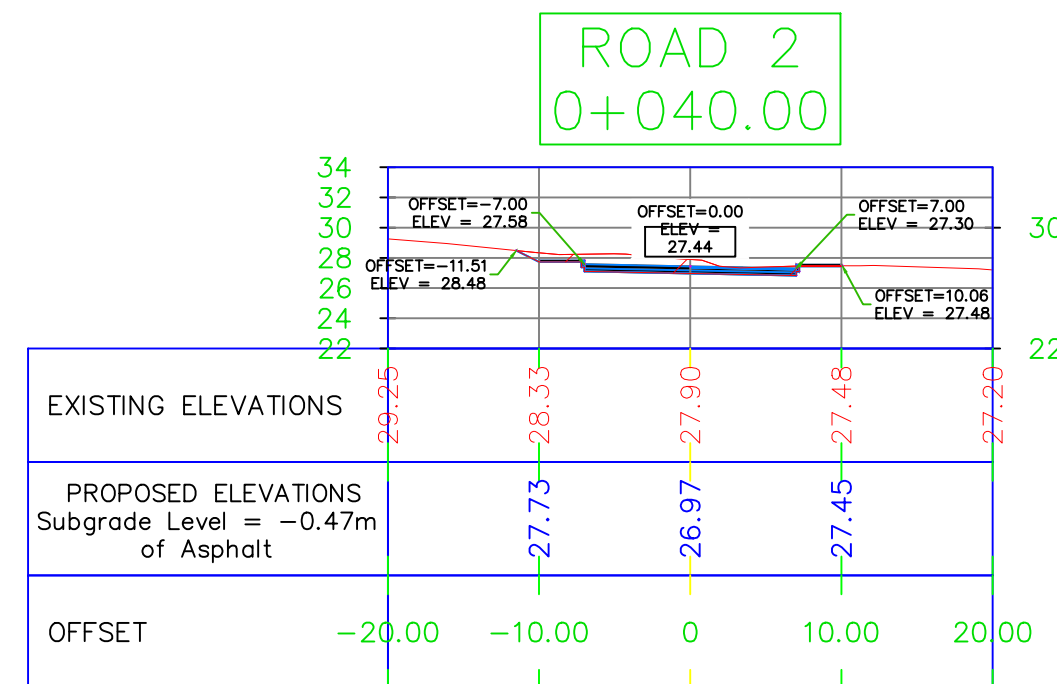
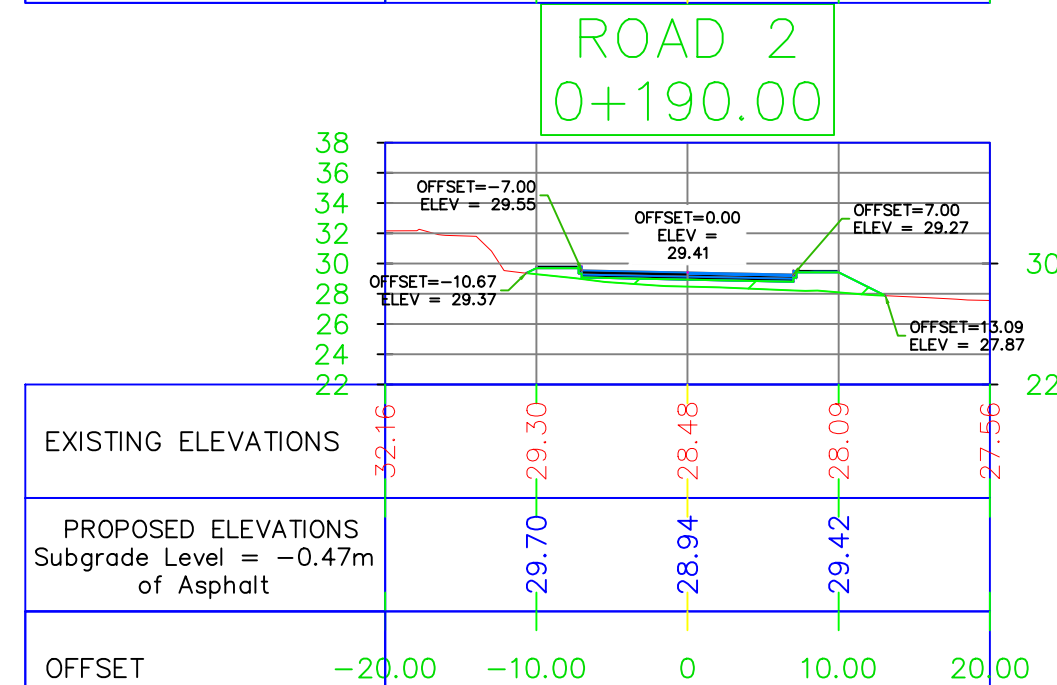
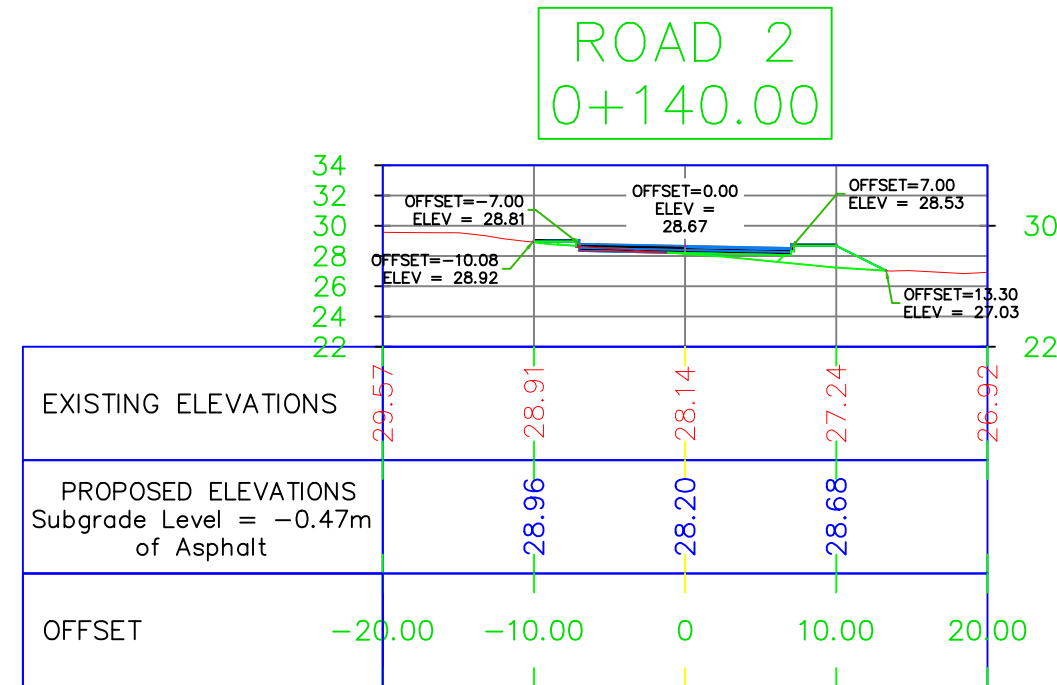
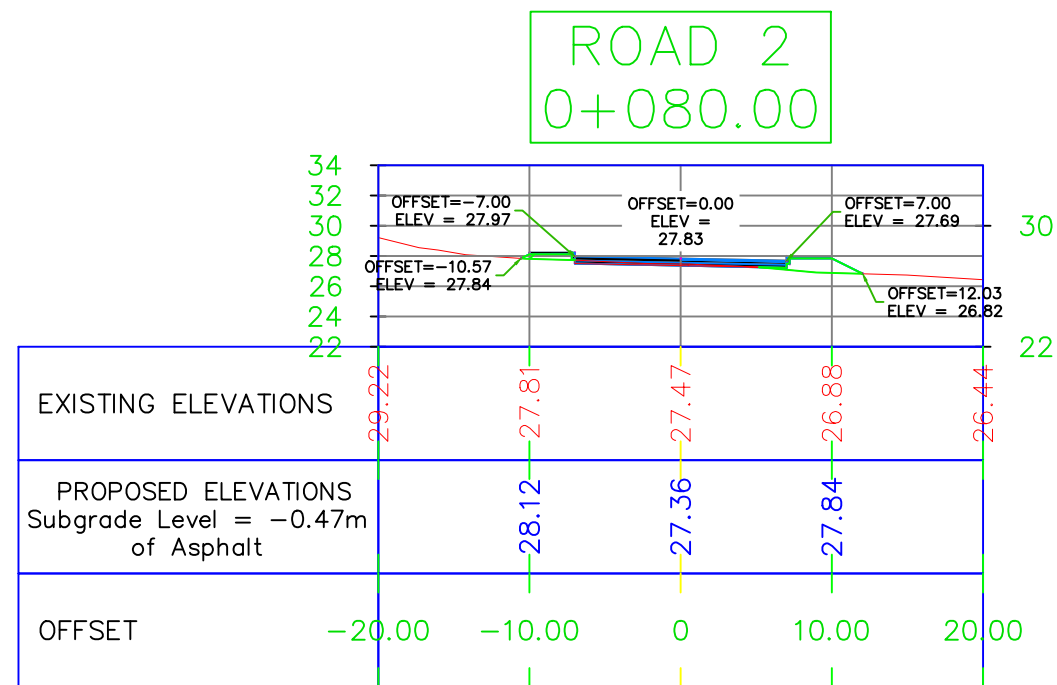
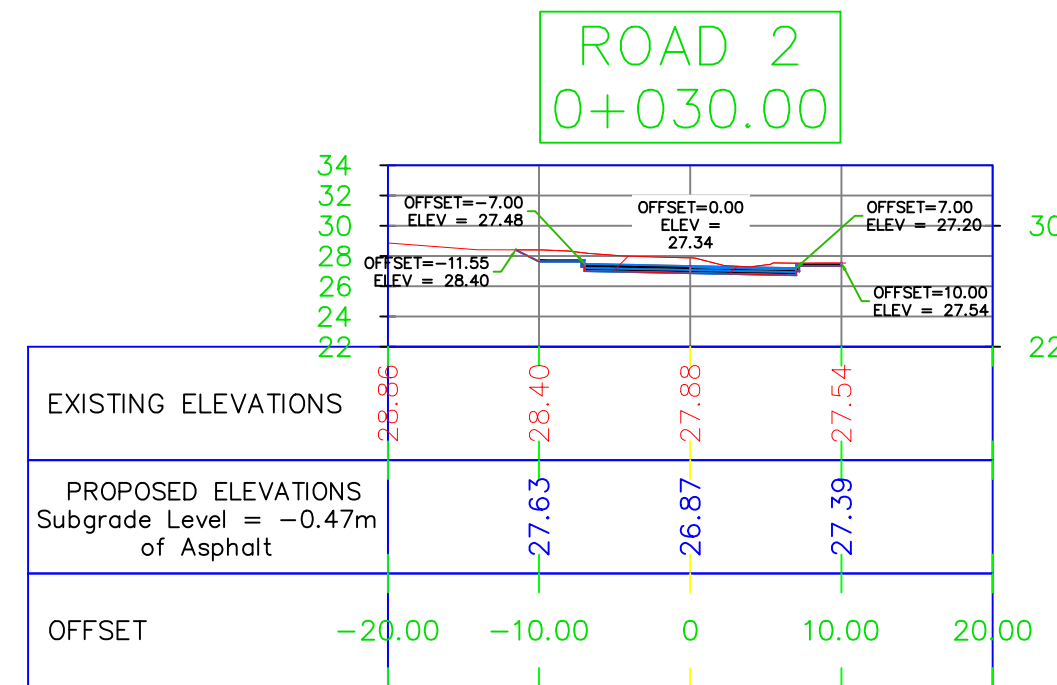
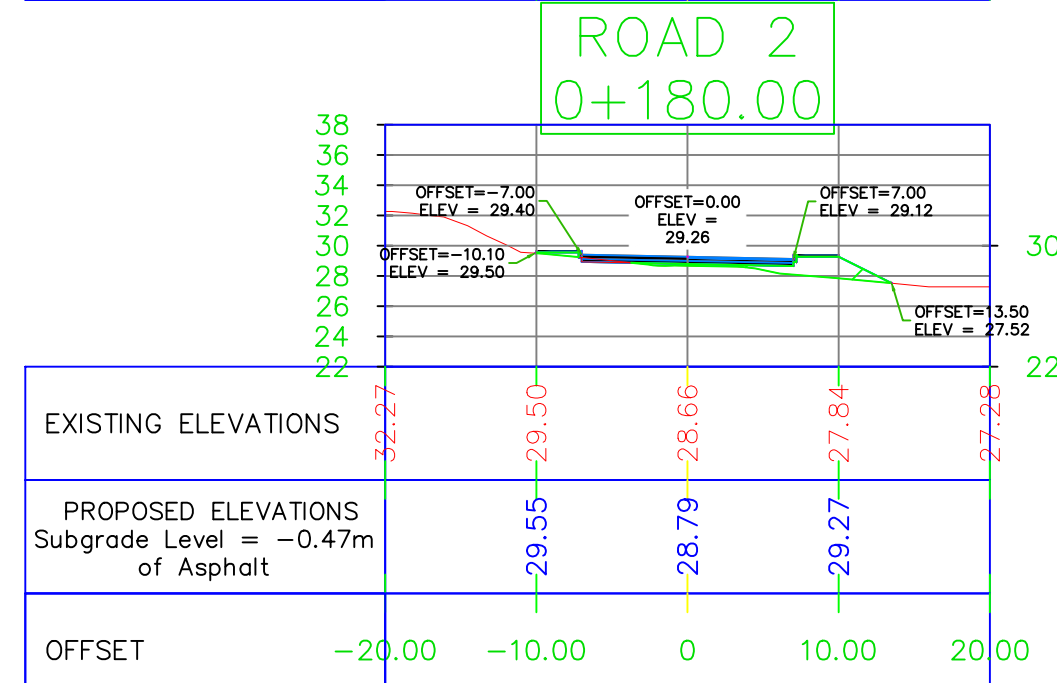
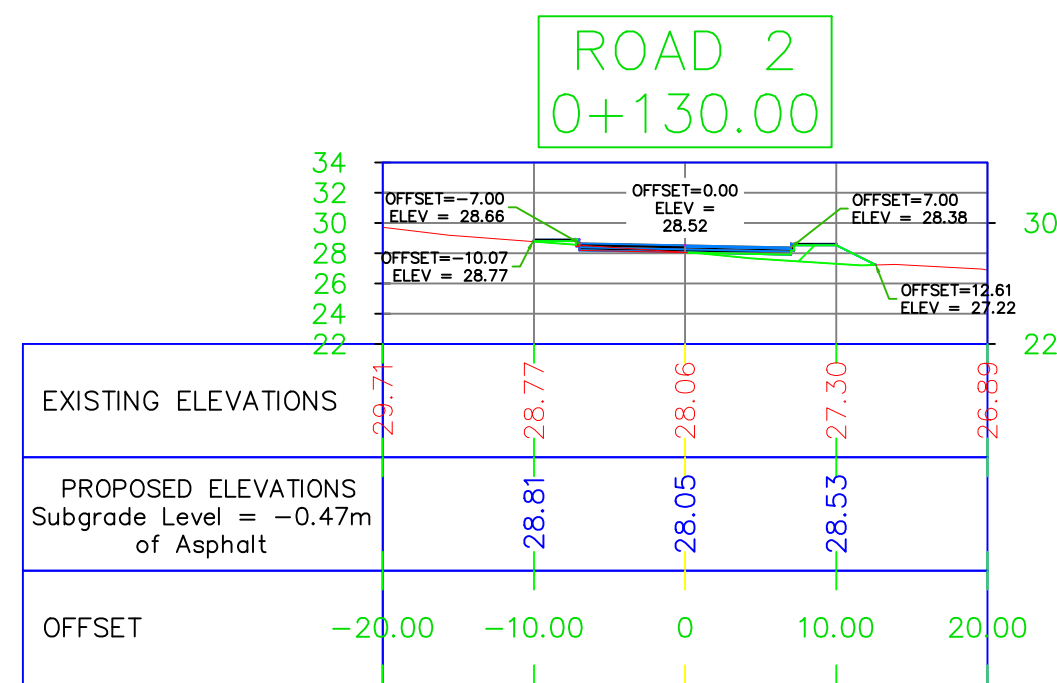
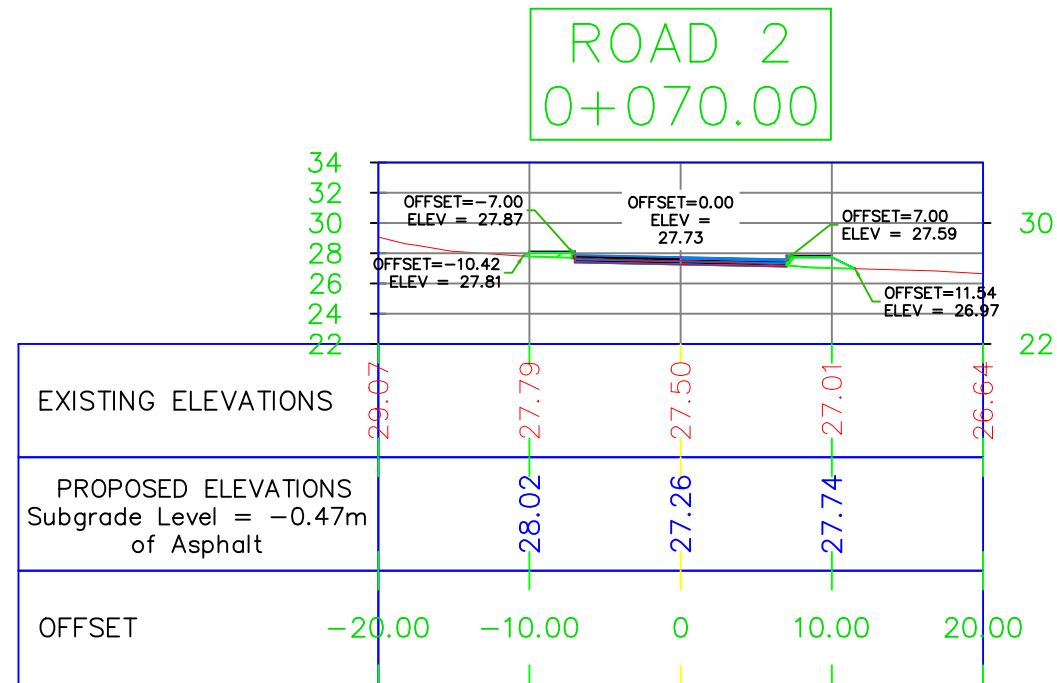
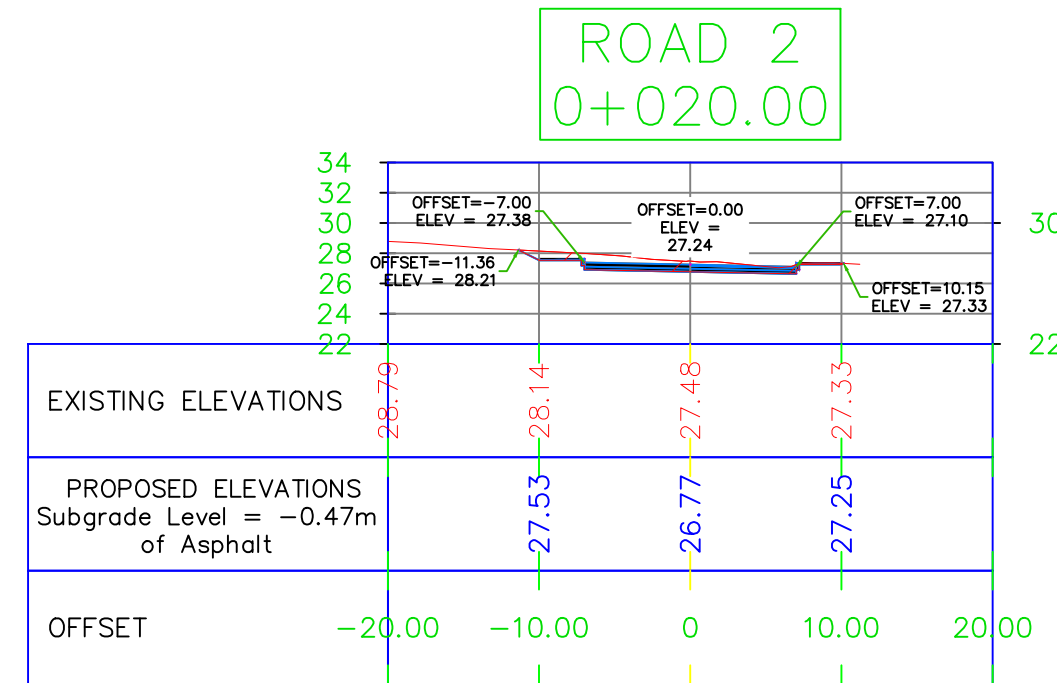
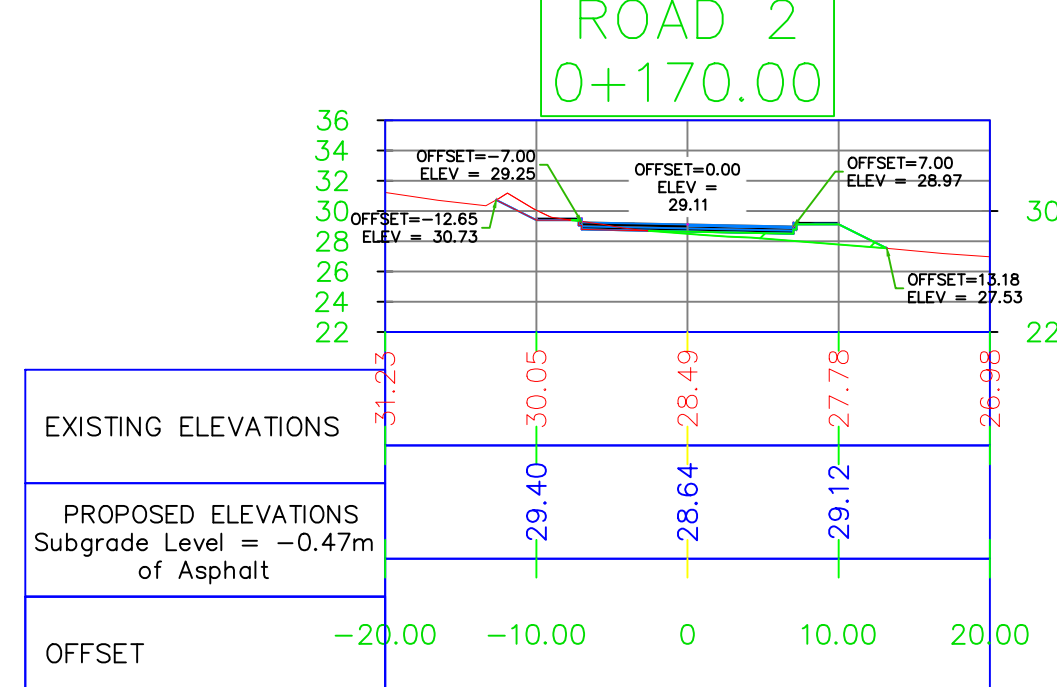
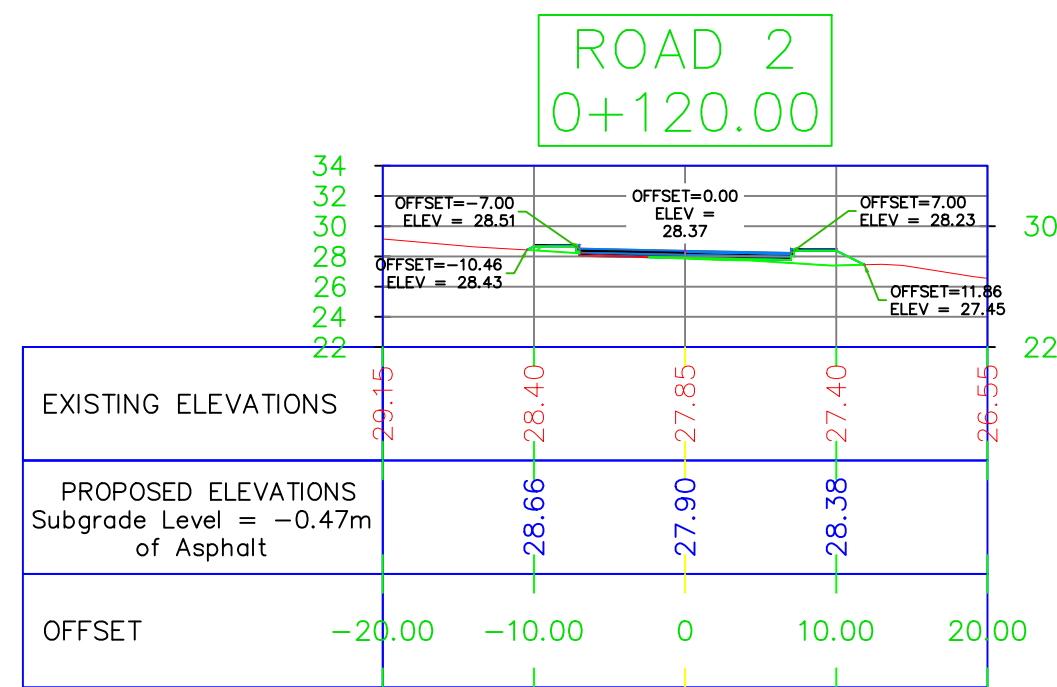
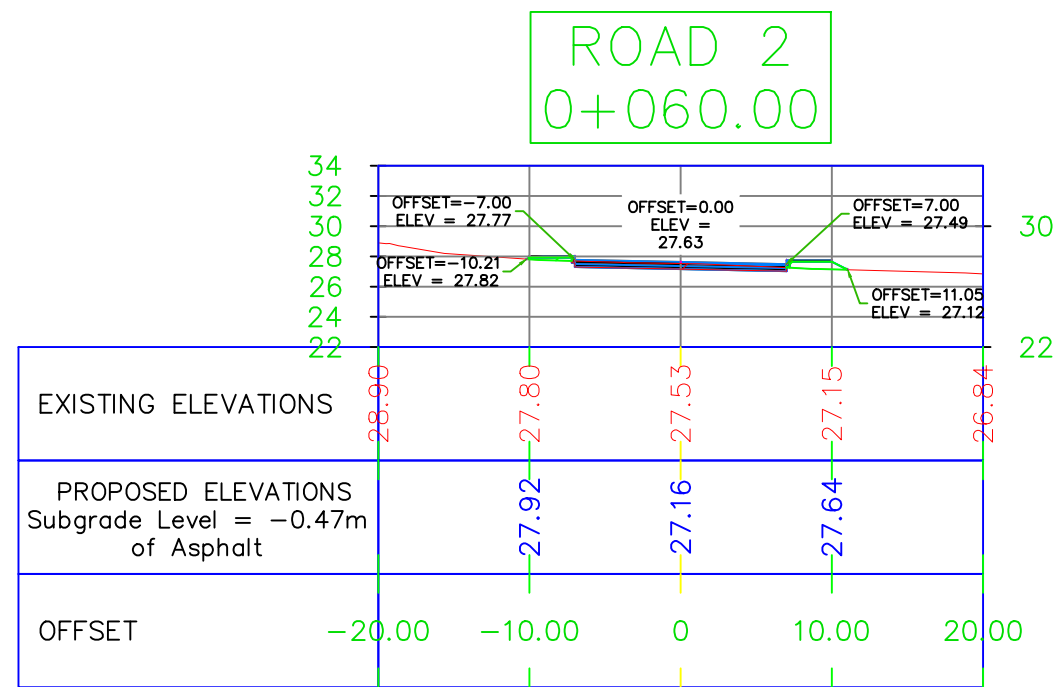
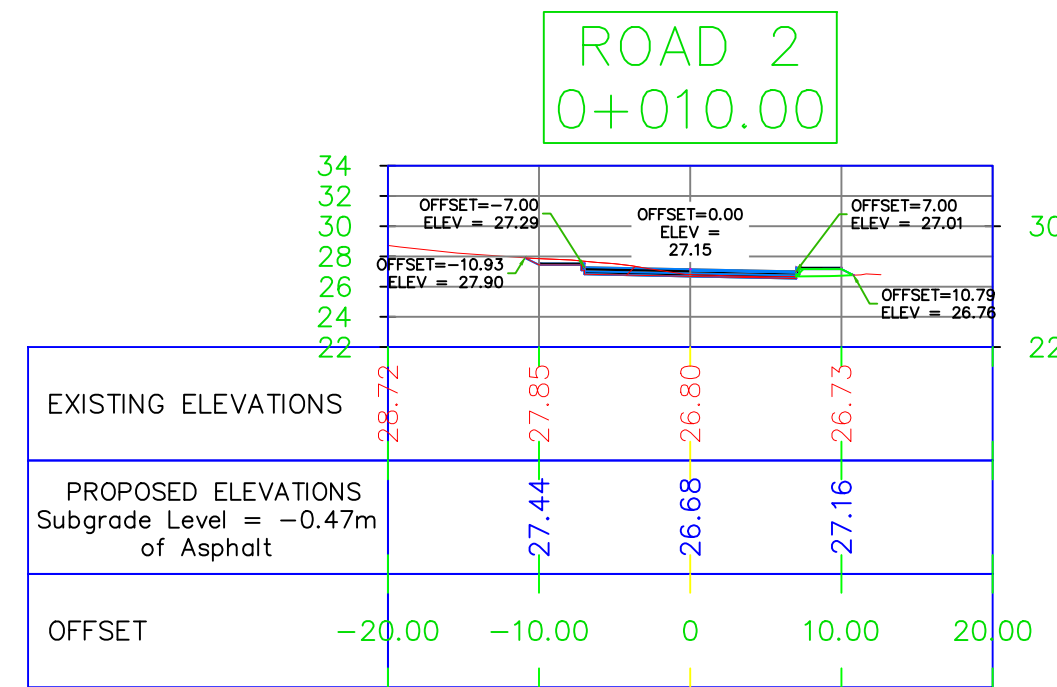
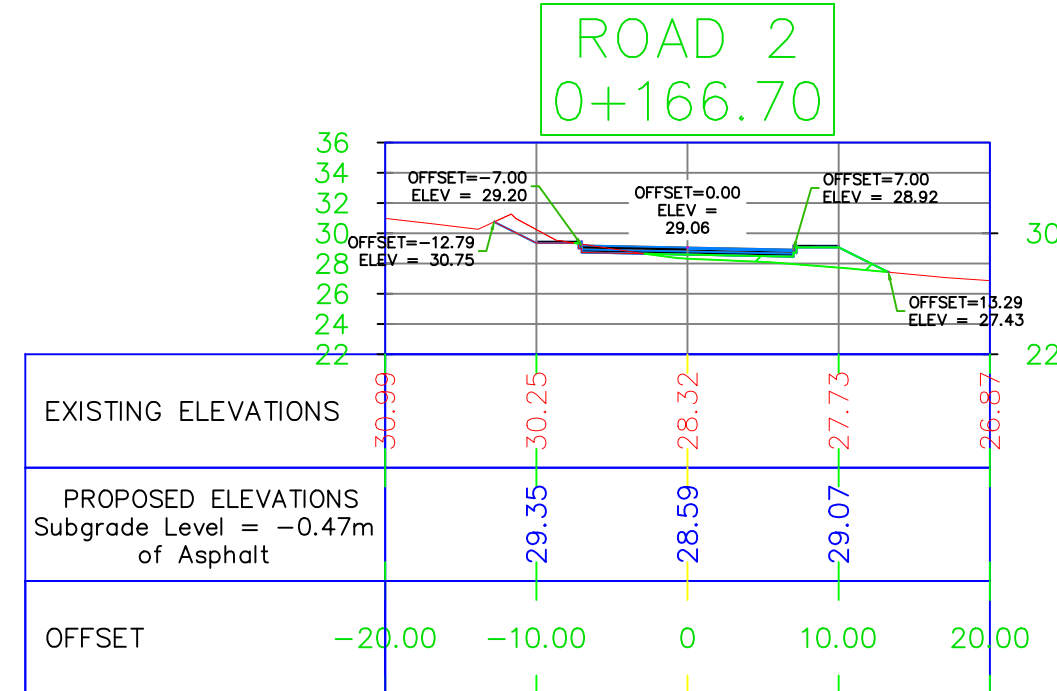
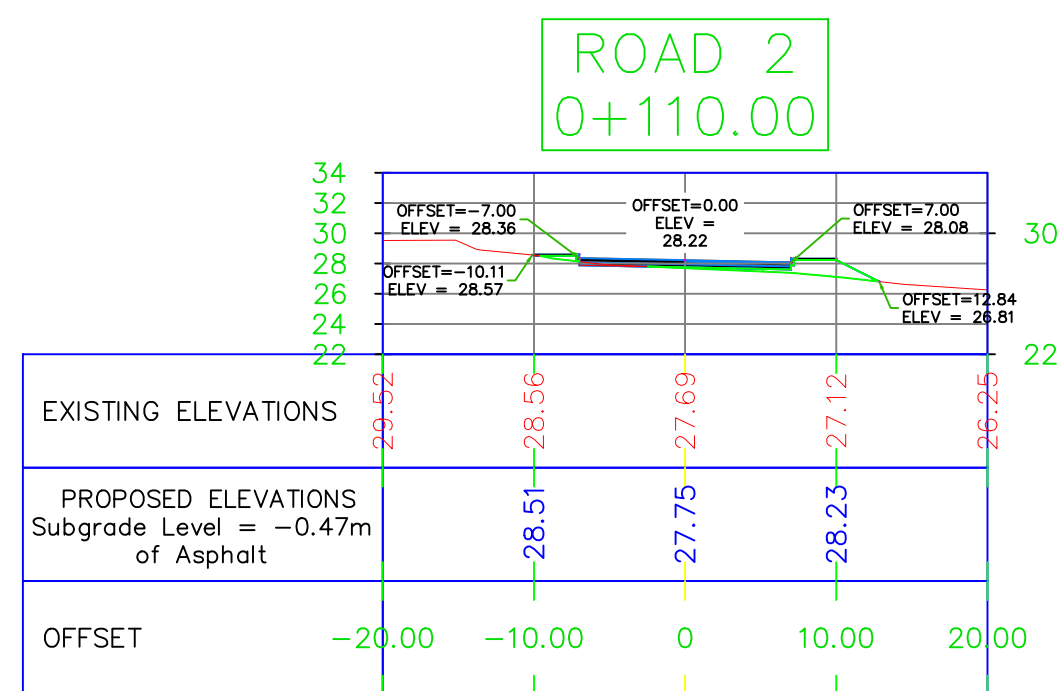
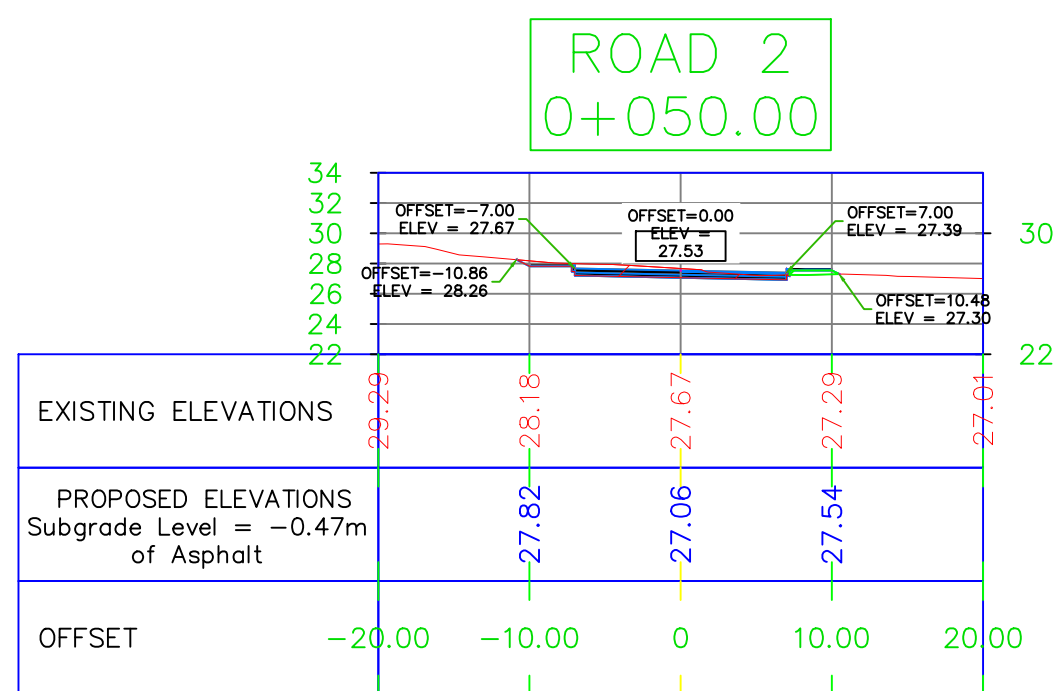
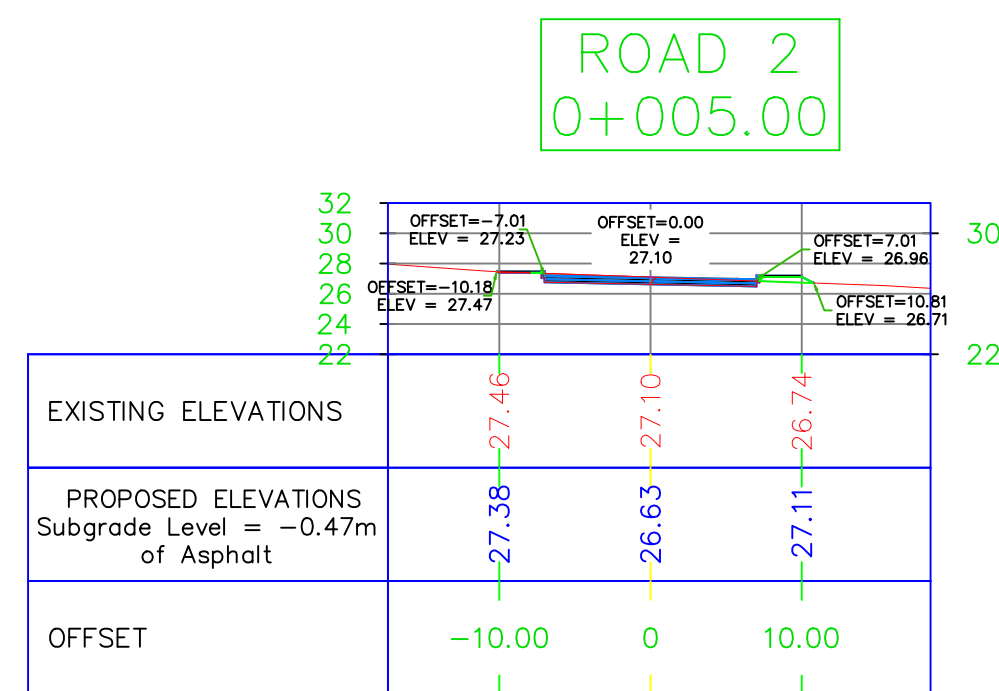
PROJECT OWNER :
سلطة منطقة العقبة الاقتصادية الخاصة
AQABA SPECIAL ECONOMIC ZONE AUTHORITY

PROJECT NAME :
عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :
ROAD 1 CROSS SECTIONS

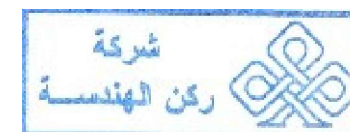
Prepared By :
RUQN AL HANDASA
Consulting Engineers
AMMAN - JORDAN
TEL. : 4653344 FAX. : 4653342
e-mail: ruqn@ruqn.com
Website: www.ruqn.com

DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	
SCALE: 1/500		SHEET SIZE: A1
PLOT NO.	DASIN NO.	CAD FILE
--	9 ALJAME'	SER_DC_X.REF_348
ISSUE DATE	PROJECT NO.	DRAWING NO.
MAR.2026	348	C12
		REV.
		A-3



NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO. DATE DESCRIPTION

KEY PLAN		

PROJECT OWNER :



سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

ROAD 2 CROSS SECTIONS
(1/2)

Prepared By :

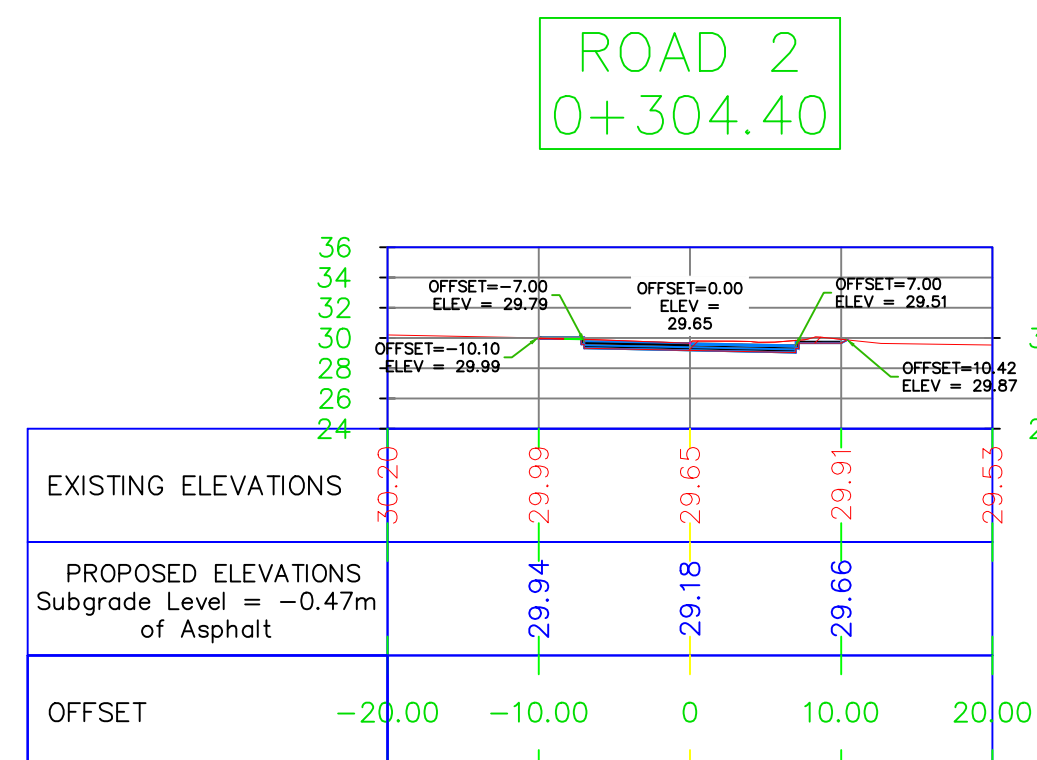
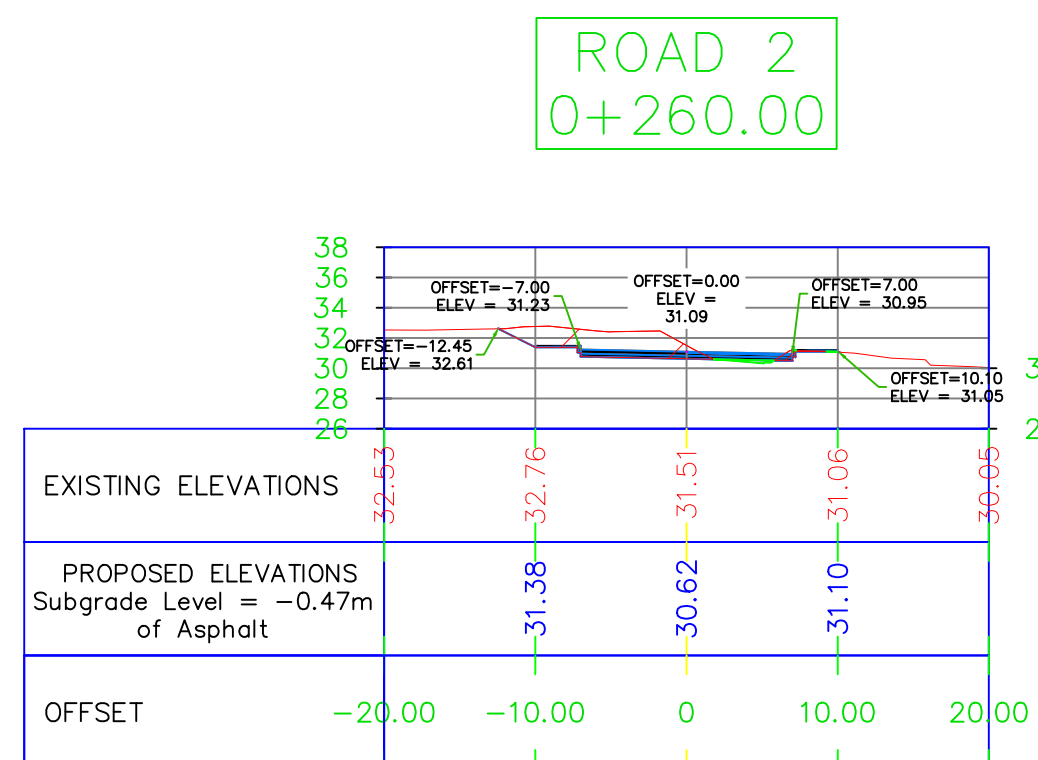
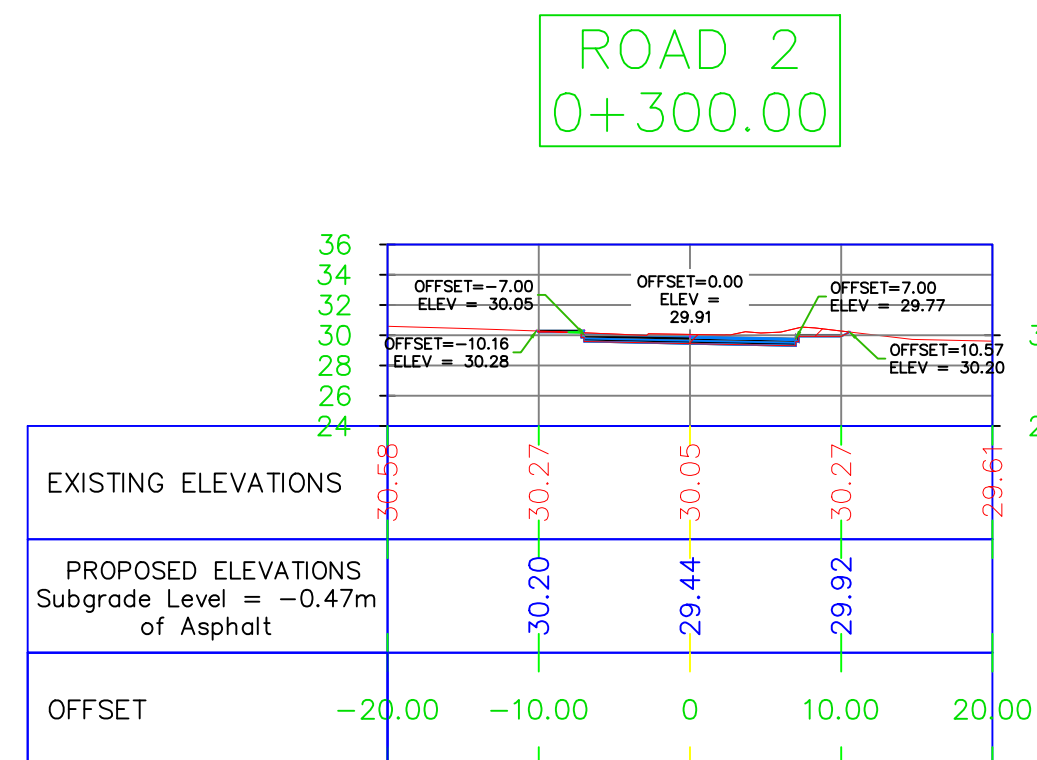
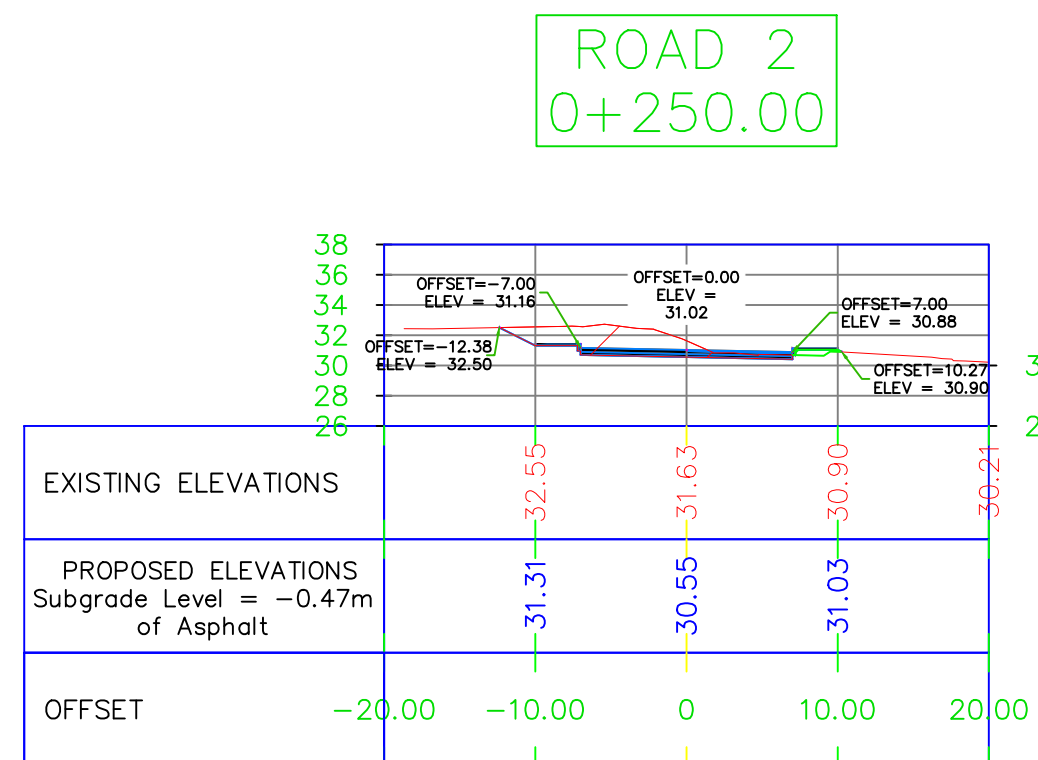
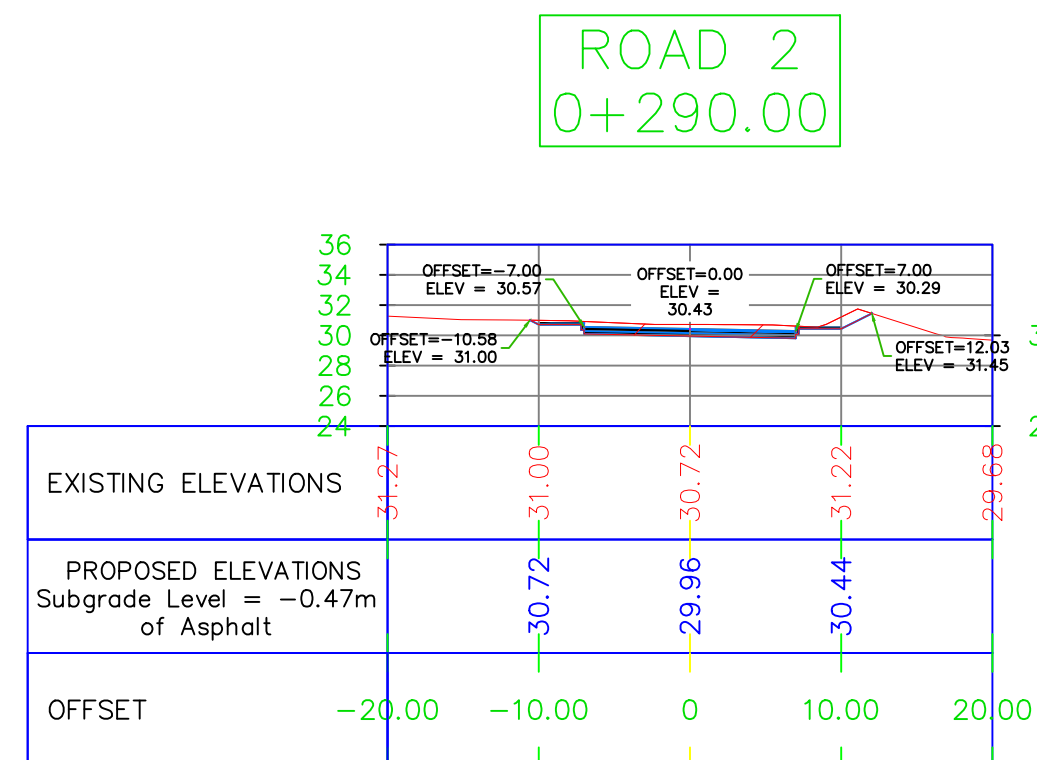
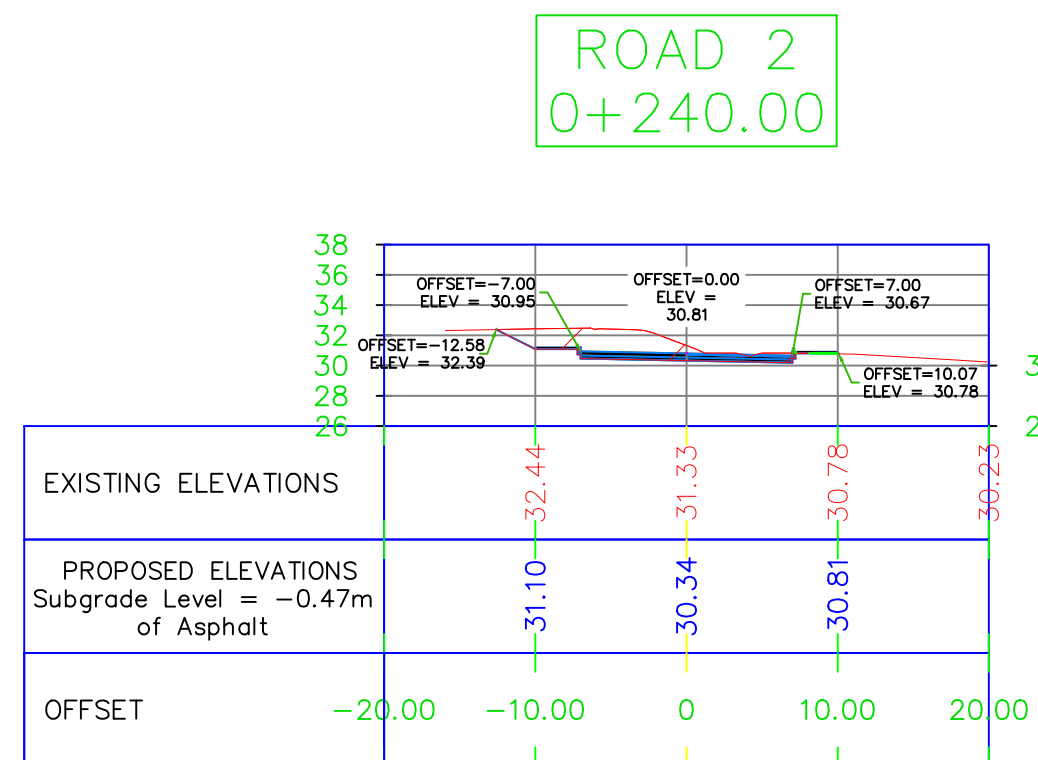
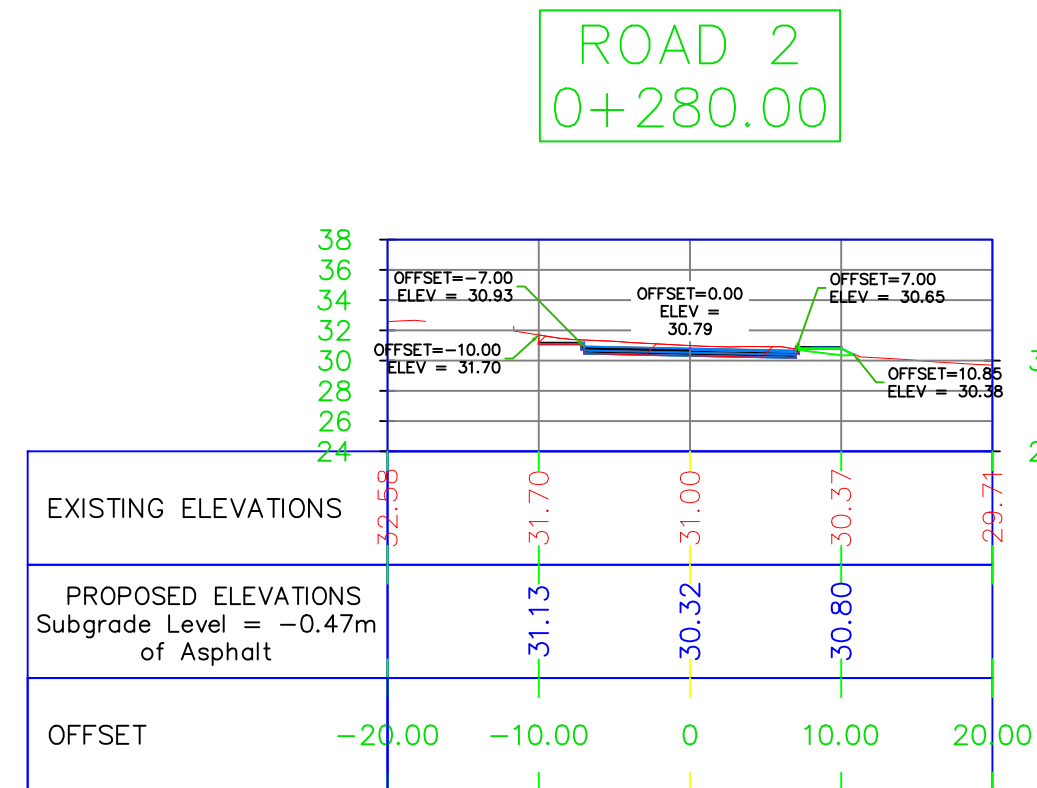
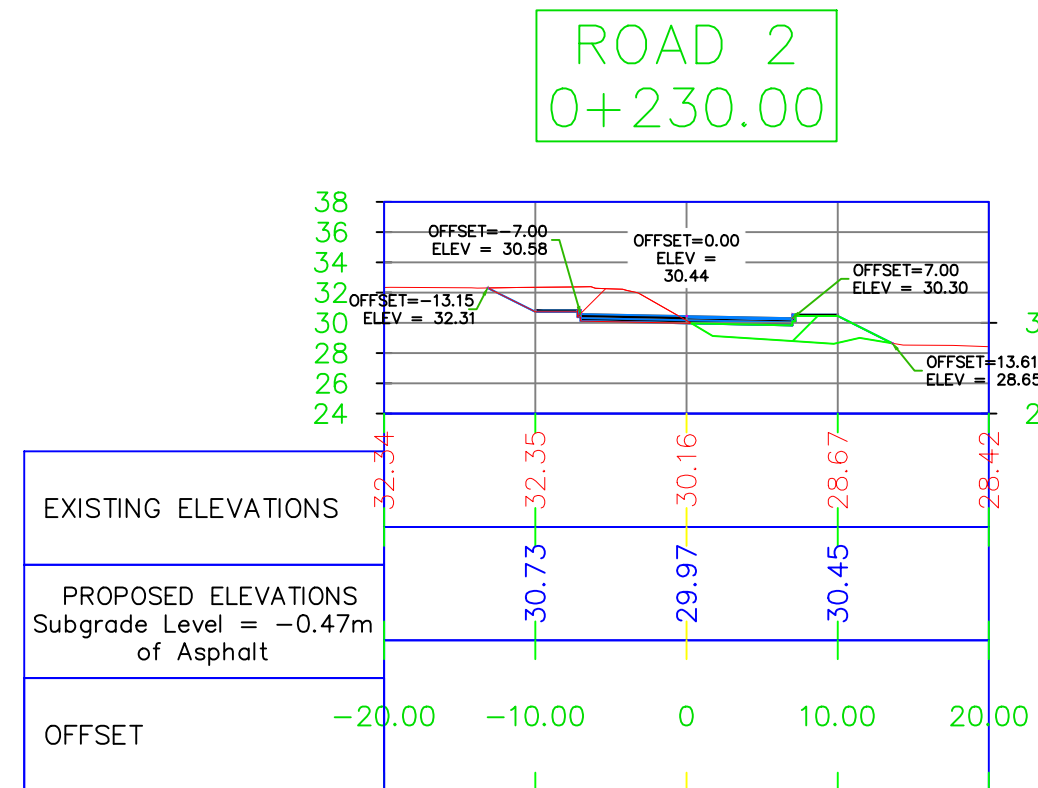
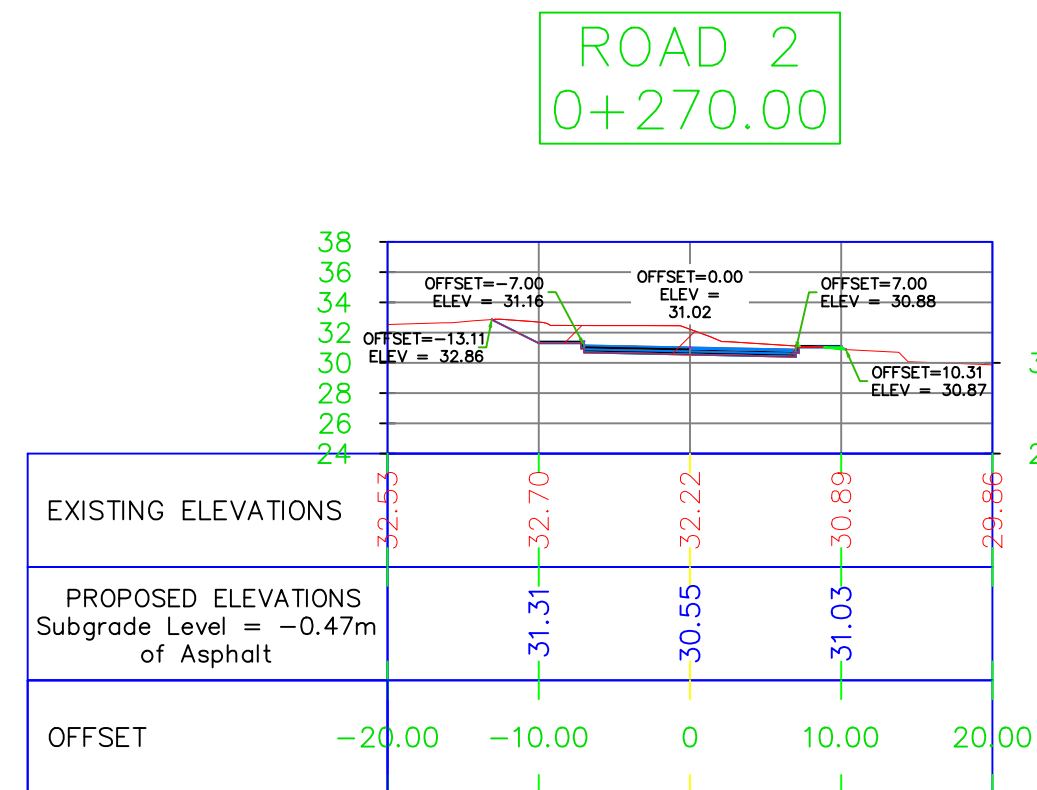
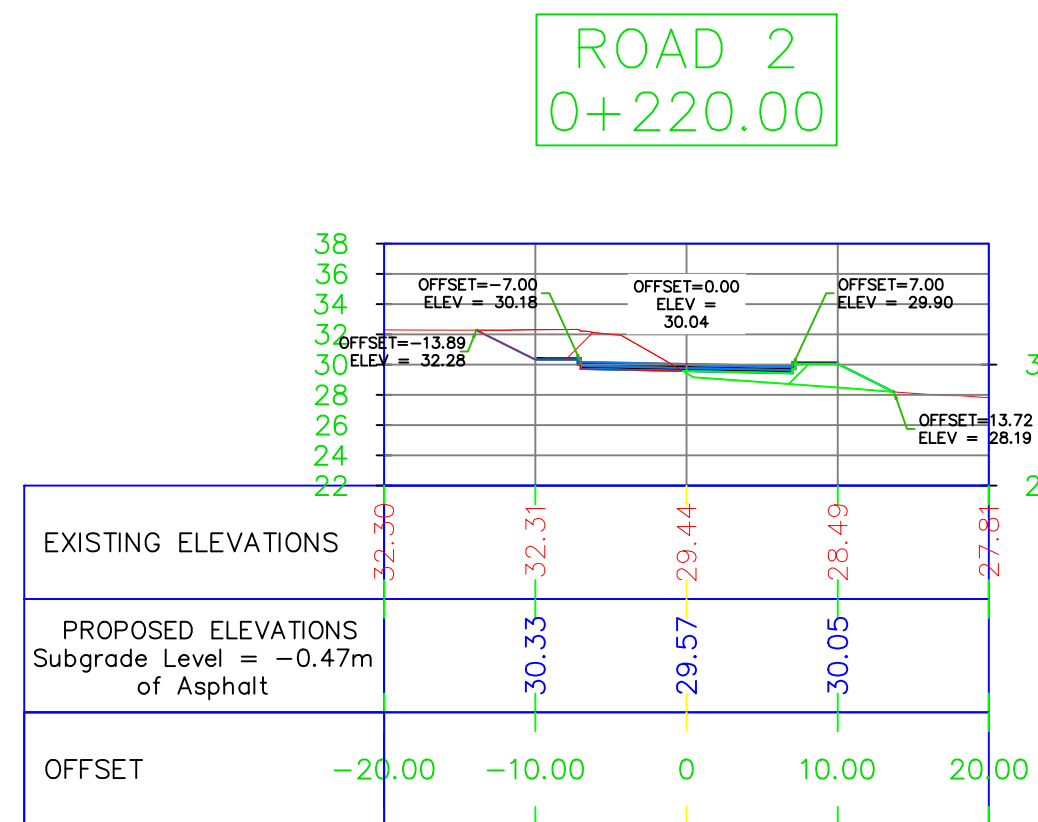


DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/500 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C13	A-3

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)



ROAD 2 Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+005.00	1.05	6.81	0.00	0.00	0.00	0.00
0+010.00	1.49	5.68	6.34	31.23	6.34	31.23
0+020.00	0.00	12.39	7.43	90.35	13.77	121.57
0+030.00	0.00	15.66	0.00	140.25	13.77	261.82
0+040.00	0.00	14.10	0.00	148.80	13.77	410.62
0+042.62	0.16	12.64	0.21	35.00	13.98	445.62
0+050.00	0.86	8.69	3.78	78.75	17.76	524.37
0+060.00	2.06	4.82	14.60	67.54	32.35	591.91
0+070.00	3.28	2.93	26.70	38.76	59.05	630.68
0+080.00	4.73	1.31	42.43	20.84	101.48	651.52
0+090.00	6.22	0.46	57.54	8.56	159.02	660.08
0+100.00	7.02	0.27	69.66	3.45	228.67	663.53
0+110.00	6.00	0.37	69.00	3.02	297.67	666.54
0+120.00	5.37	0.35	60.20	3.38	357.87	669.93
0+130.00	6.93	1.28	62.51	8.04	420.38	677.97
0+140.00	8.64	0.92	77.86	10.98	498.24	688.95
0+150.00	8.89	1.71	87.66	13.11	585.90	702.06
0+160.00	8.92	2.73	89.08	22.17	674.98	724.23
0+166.70	8.73	4.20	59.12	23.20	734.10	747.43
0+170.00	8.09	3.35	27.78	12.47	761.88	759.90
0+180.00	8.91	0.48	84.99	19.20	846.87	779.10
0+190.00	13.41	0.00	111.61	2.42	958.48	781.53
0+200.00	12.22	7.82	128.18	39.10	1086.67	820.63
0+210.00	3.69	23.77	79.54	157.96	1166.21	978.58
0+220.00	11.07	20.95	73.76	223.59	1239.96	1202.17
0+230.00	13.19	19.18	121.28	200.64	1361.24	1402.82
0+240.00	0.03	22.56	63.86	213.57	1425.10	1616.38
0+250.00	0.89	20.54	3.81	233.43	1428.91	1849.82
0+260.00	0.42	18.63	6.33	200.34	1435.24	2050.15
0+270.00	0.10	25.70	2.64	221.67	1437.89	2271.83
0+280.00	0.96	11.54	4.73	191.90	1442.61	2463.73
0+290.00	0.00	14.09	3.51	128.17	1446.12	2591.90
0+300.00	0.01	11.11	0.09	120.88	1446.21	2712.78
0+304.40	0.01	9.48	0.07	43.25	1446.28	2756.03

Tender Drawings



REV. NO.	DATE	DESCRIPTION

KEY PLAN

PROJECT OWNER :

سلطة منطقة العقبة
الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

ROAD 2 CROSS SECTIONS
(2/2)

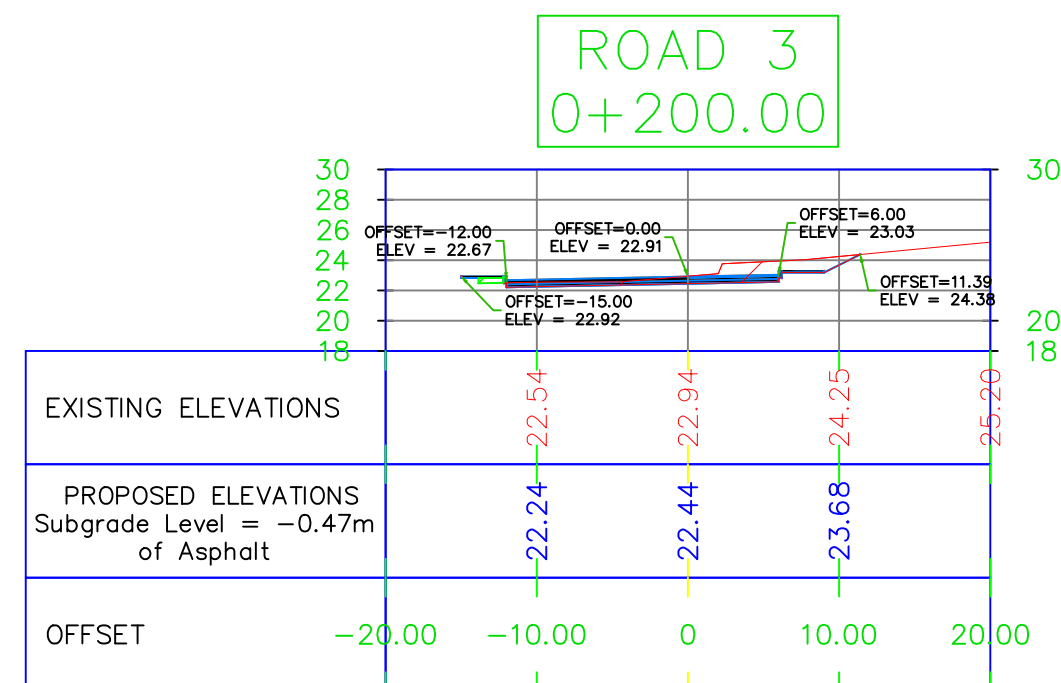
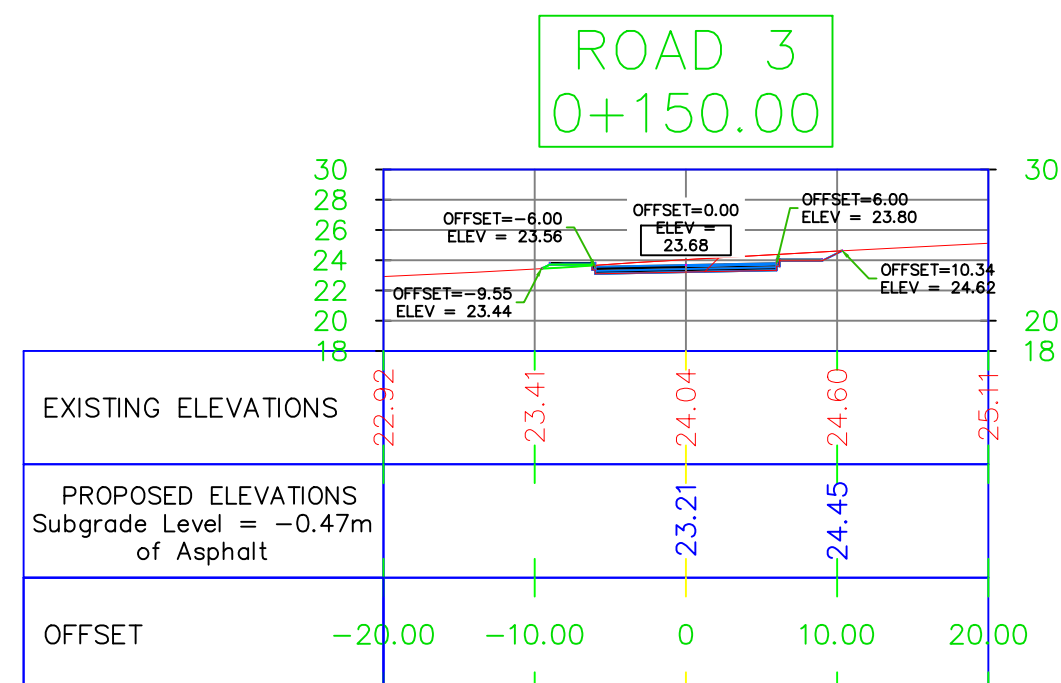
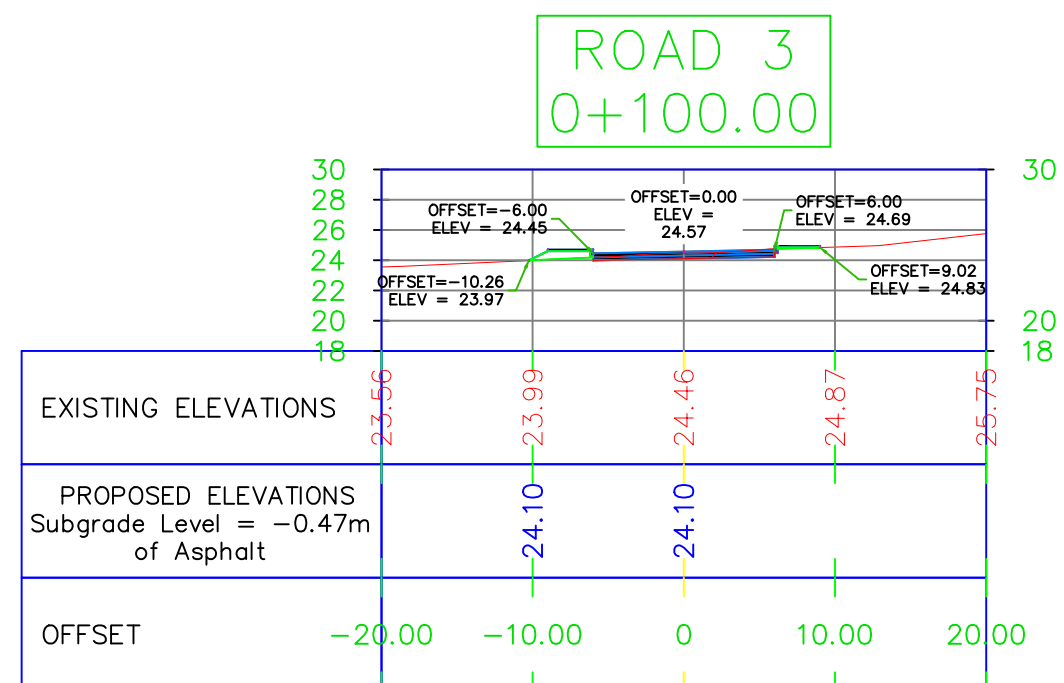
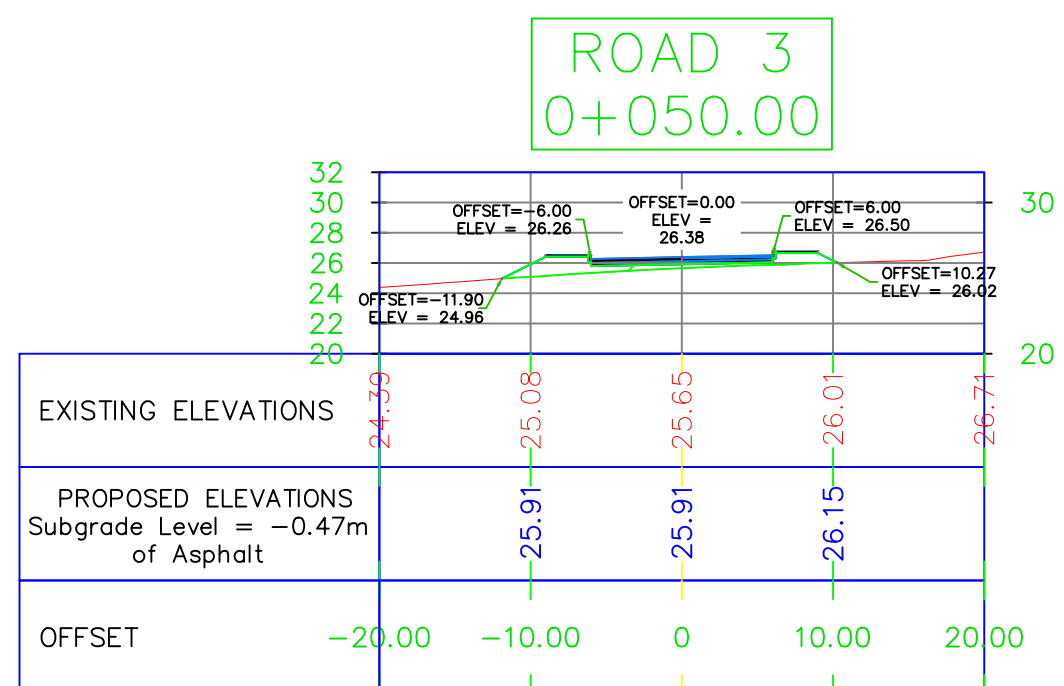
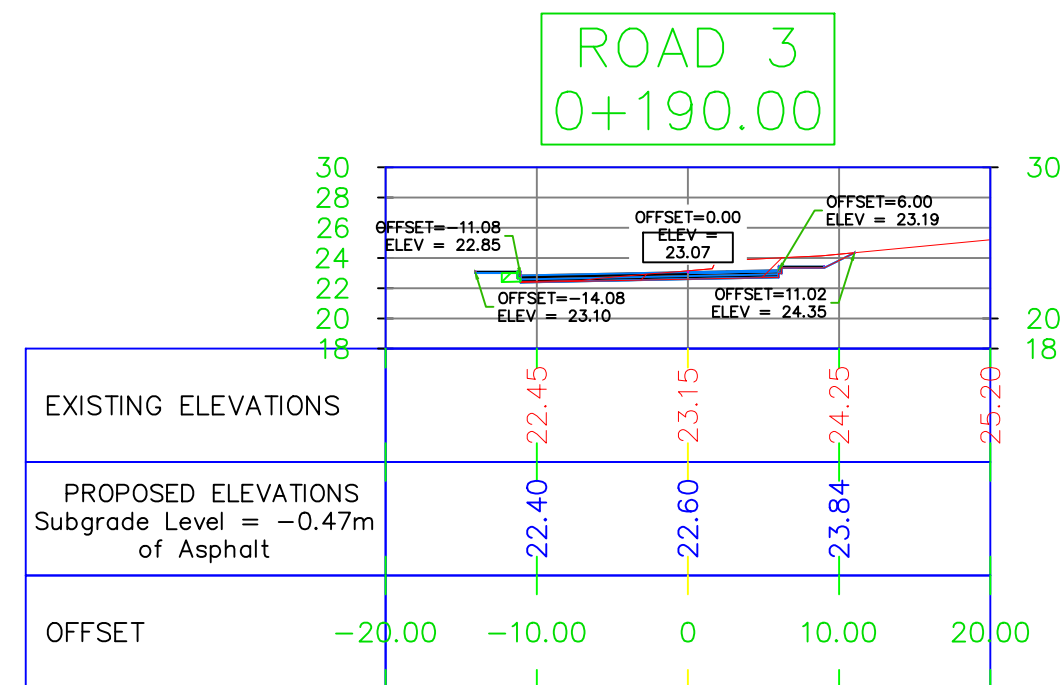
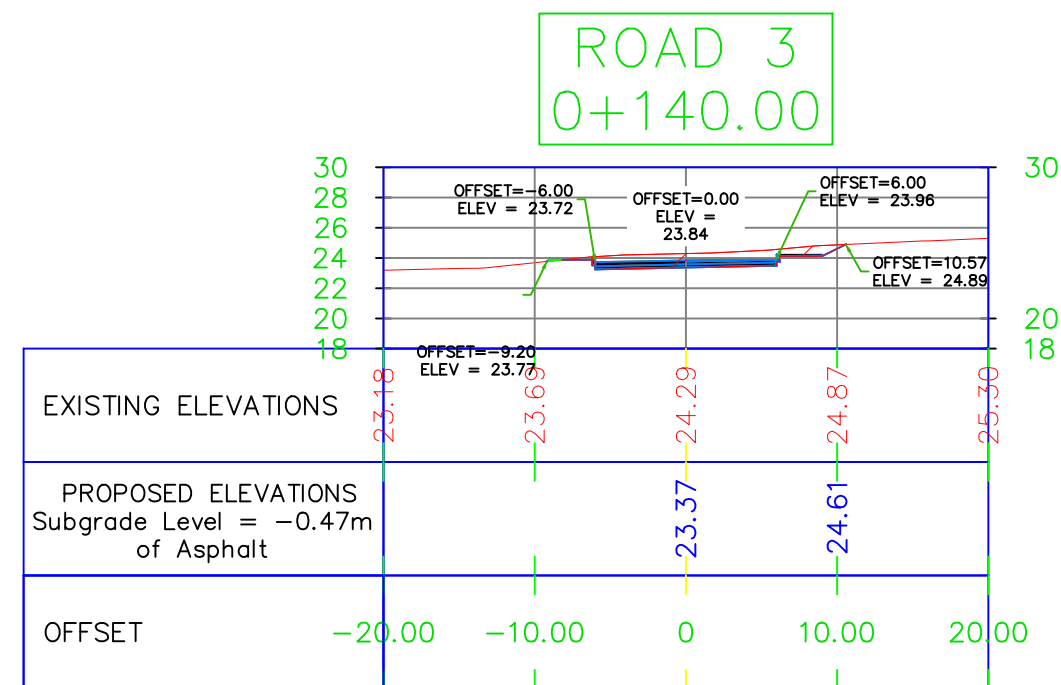
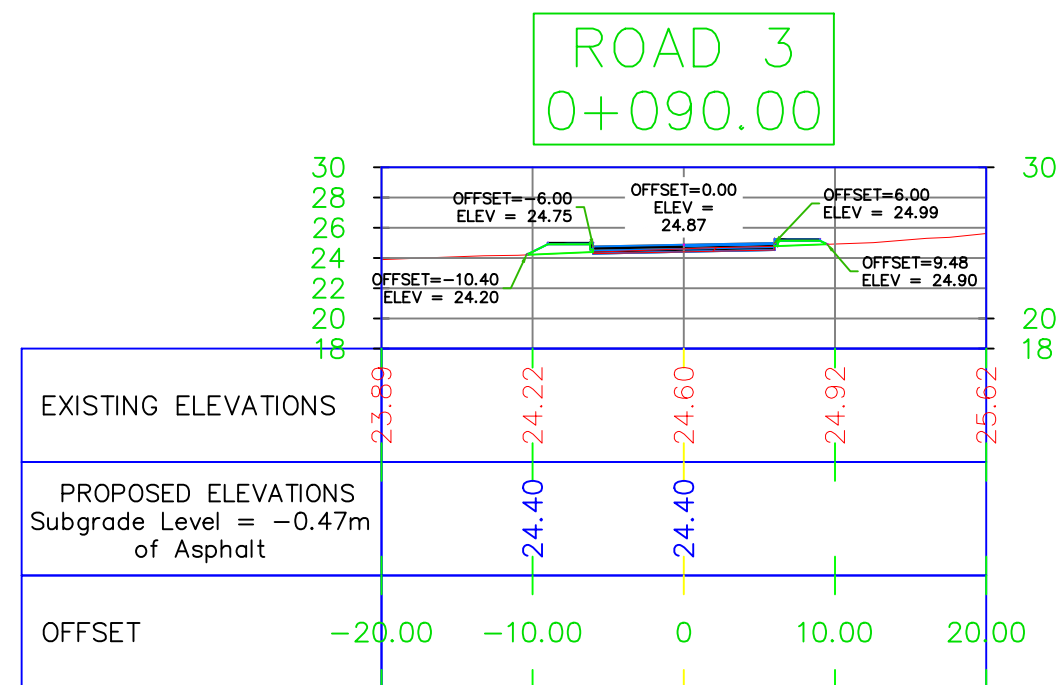
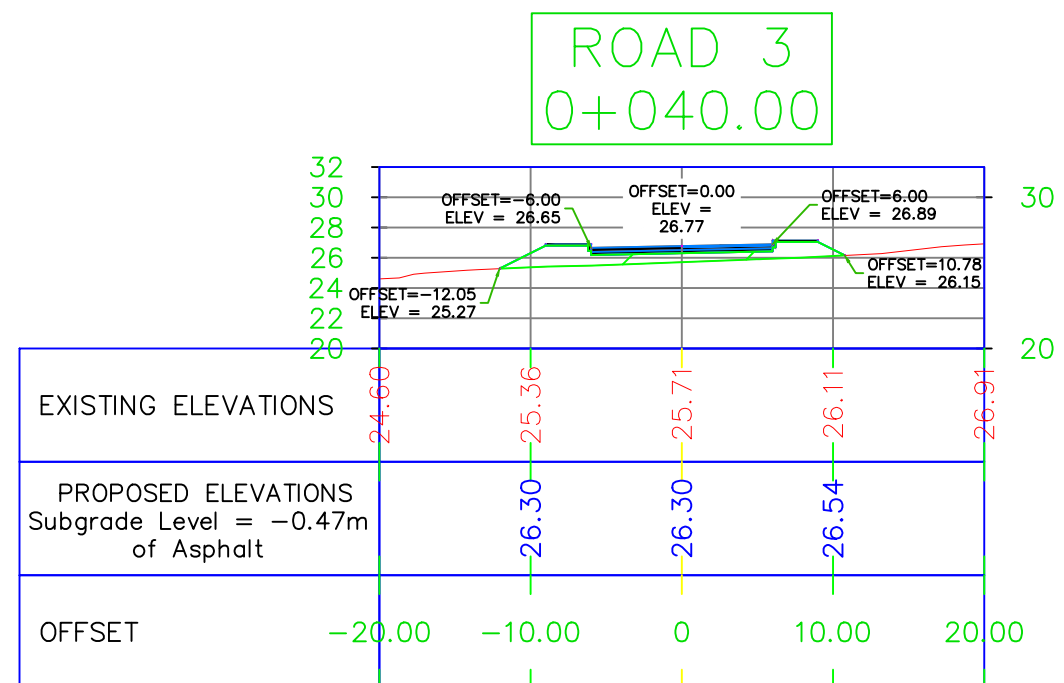
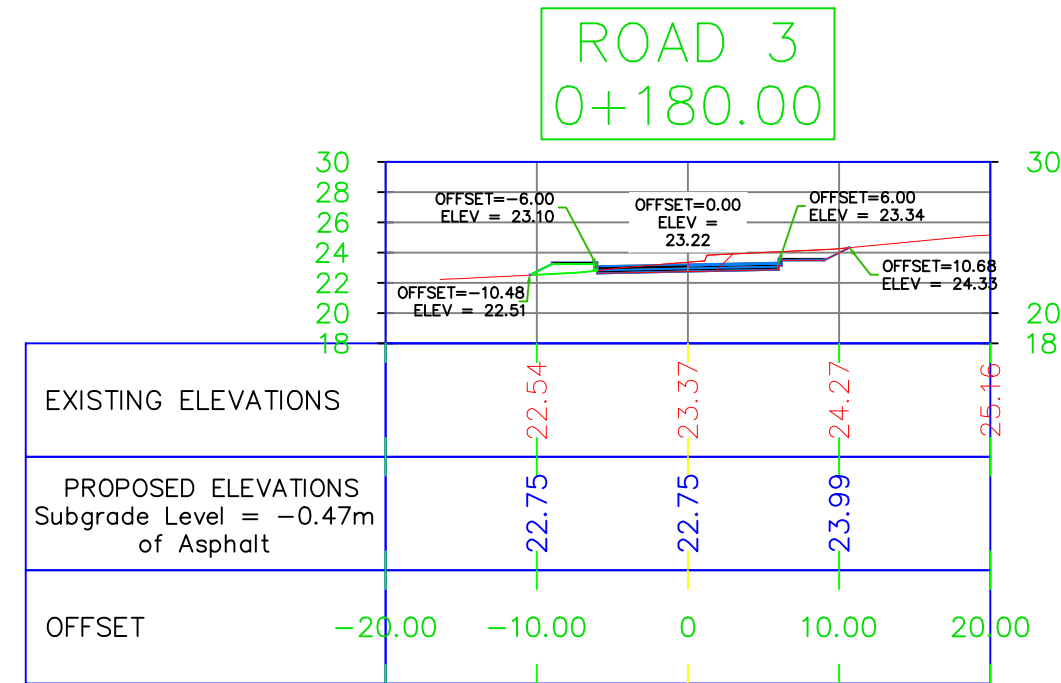
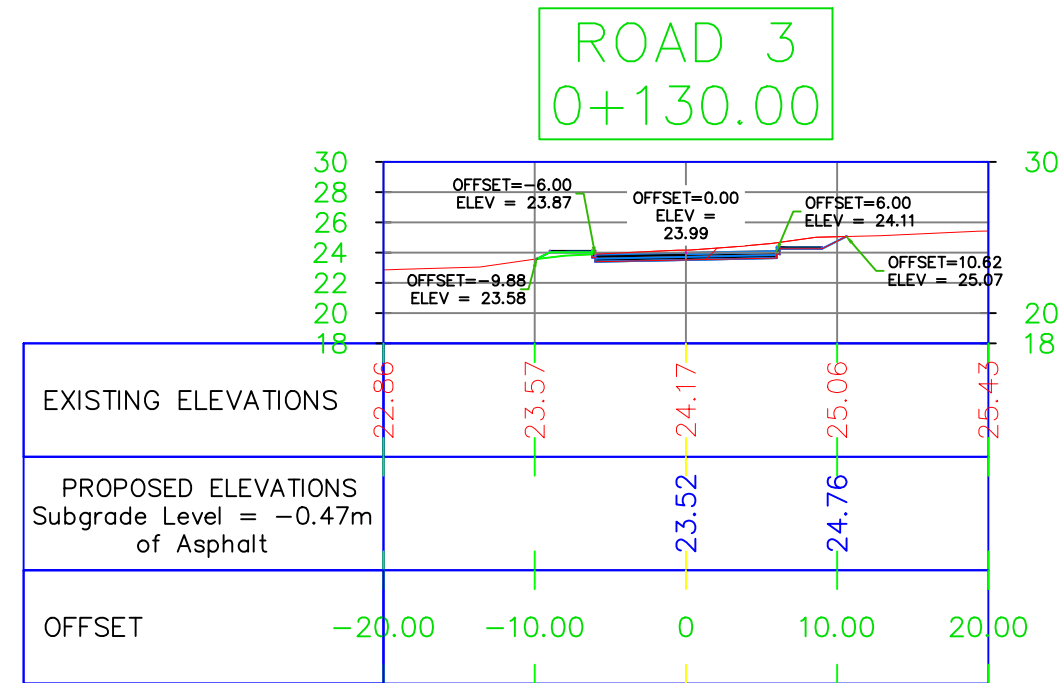
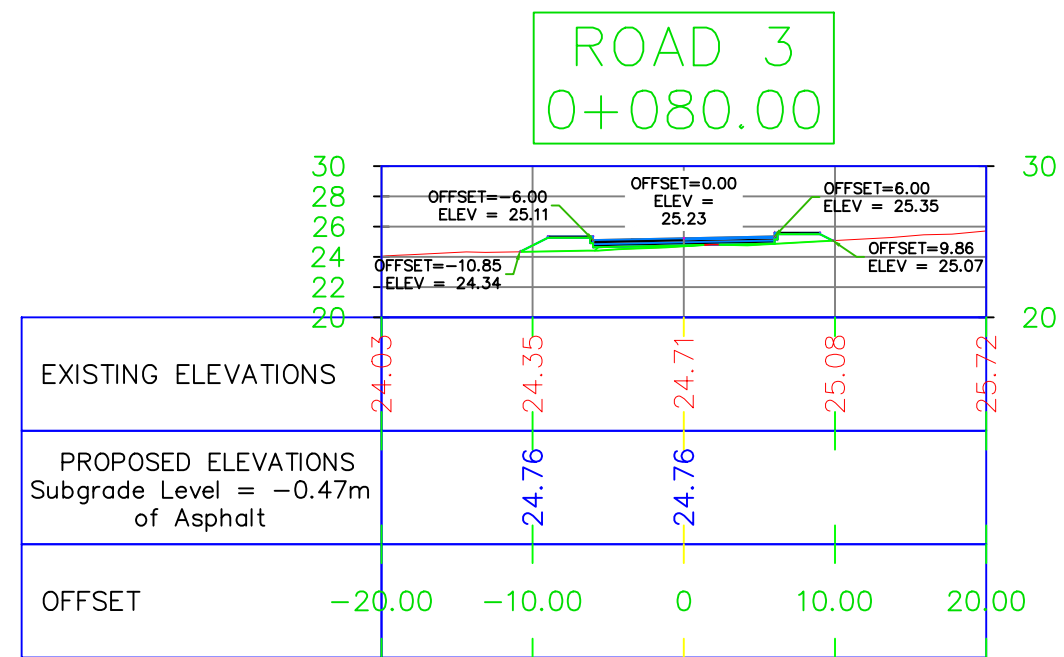
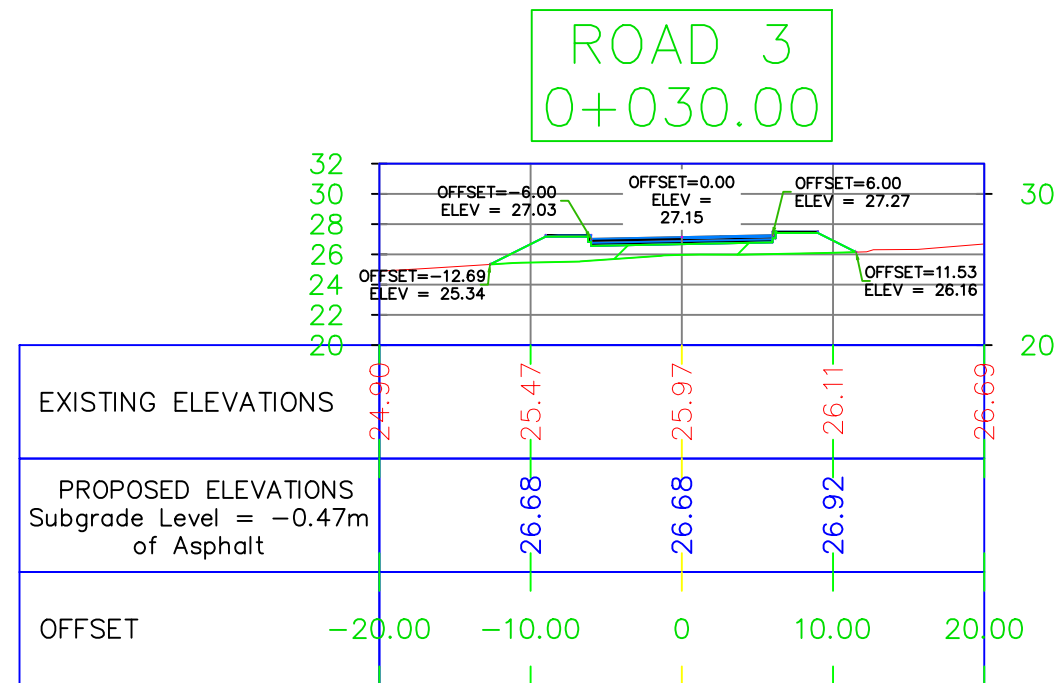
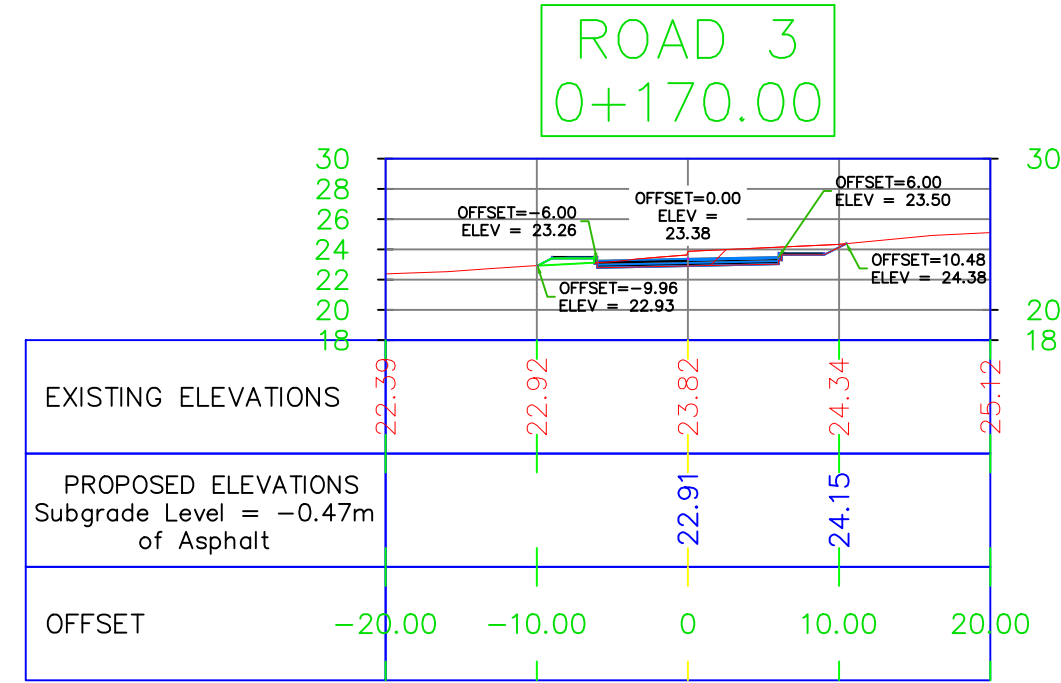
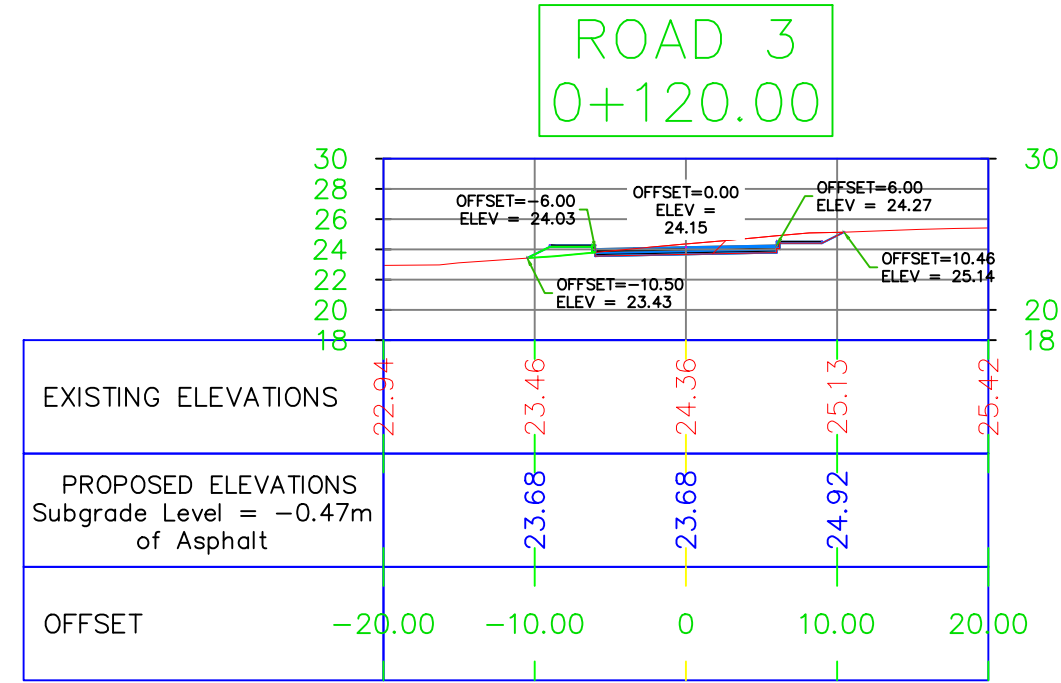
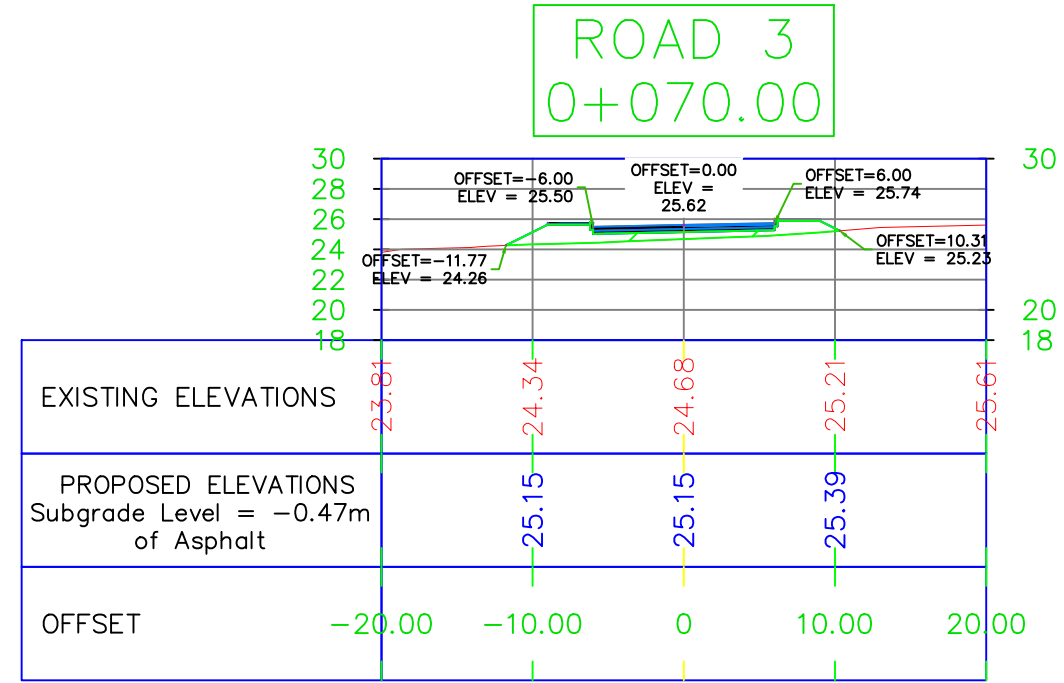
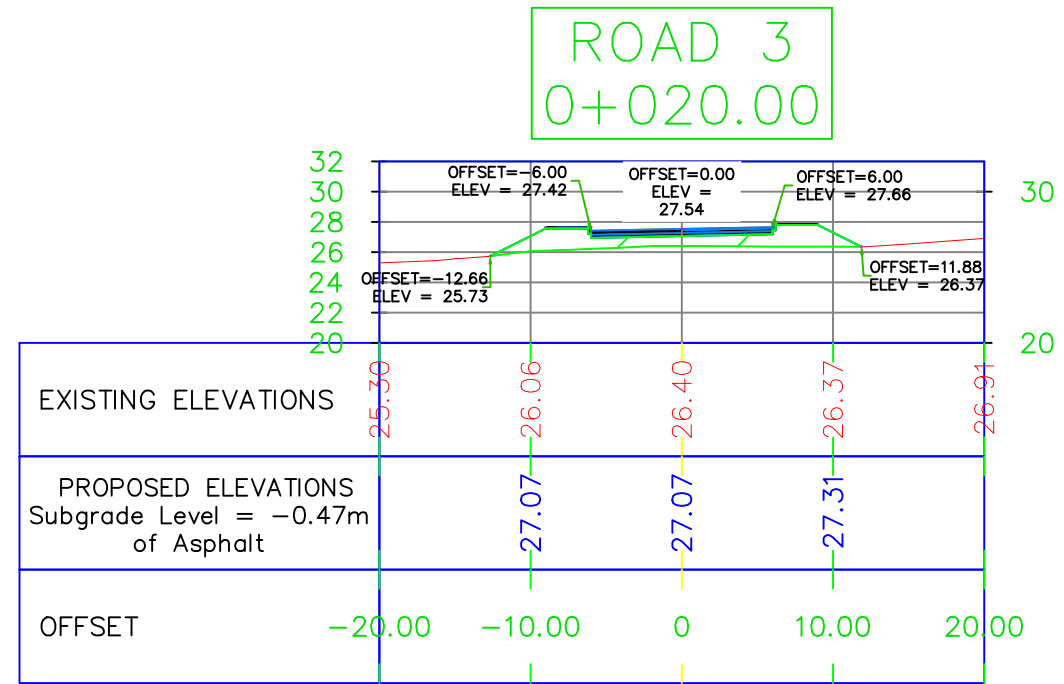
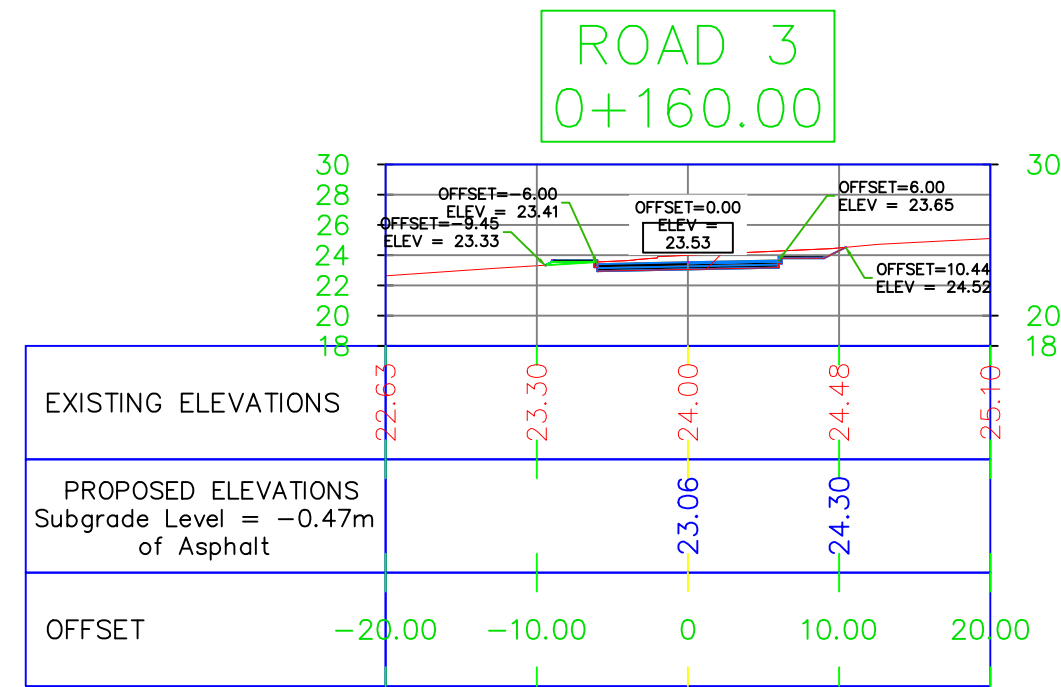
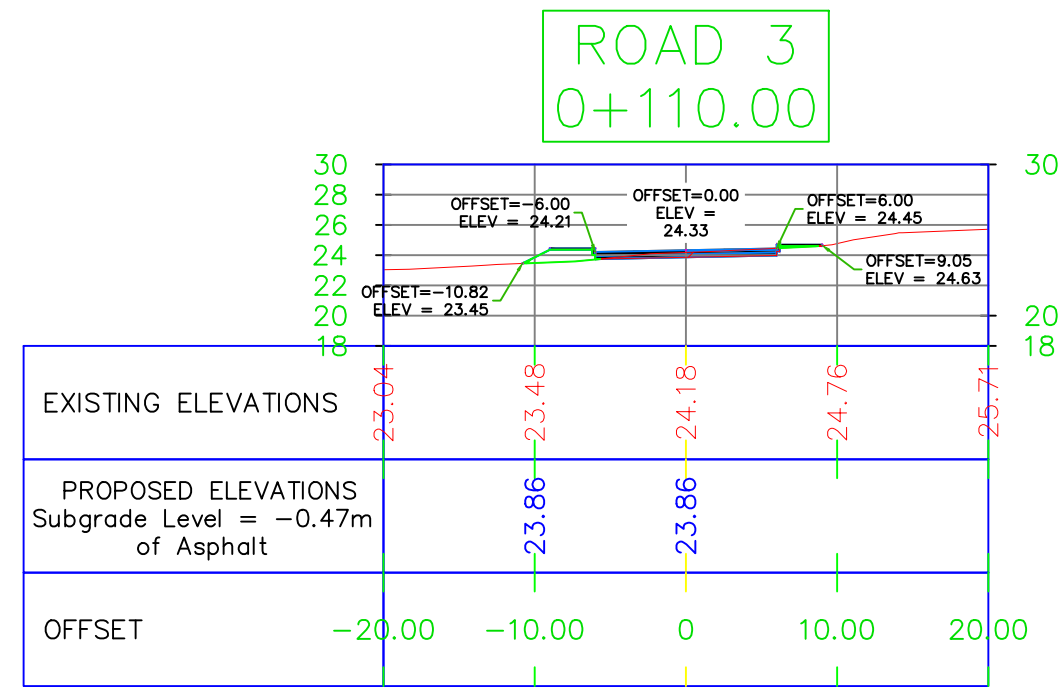
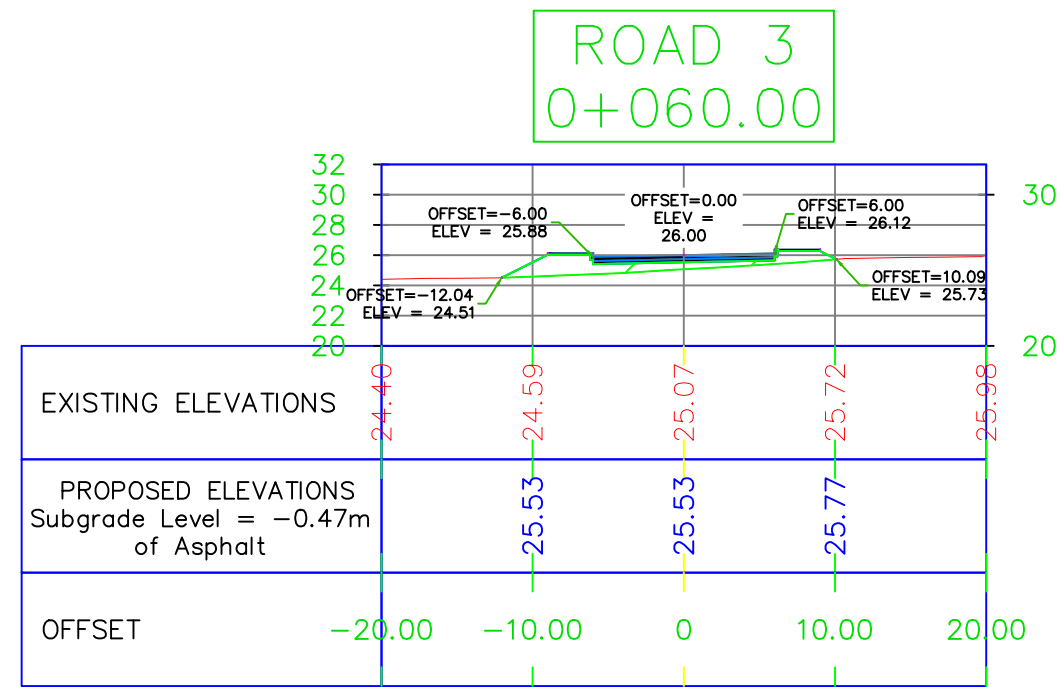
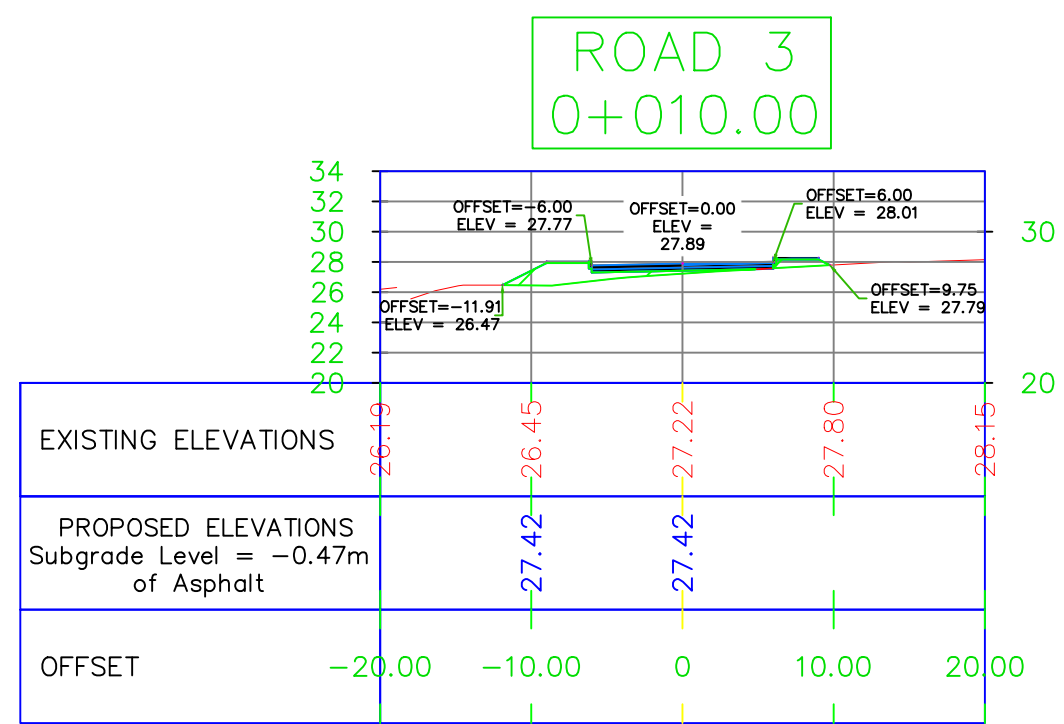
Prepared By :



DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/500 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C14	A-3



NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO.	DATE	DESCRIPTION

KEY PLAN	

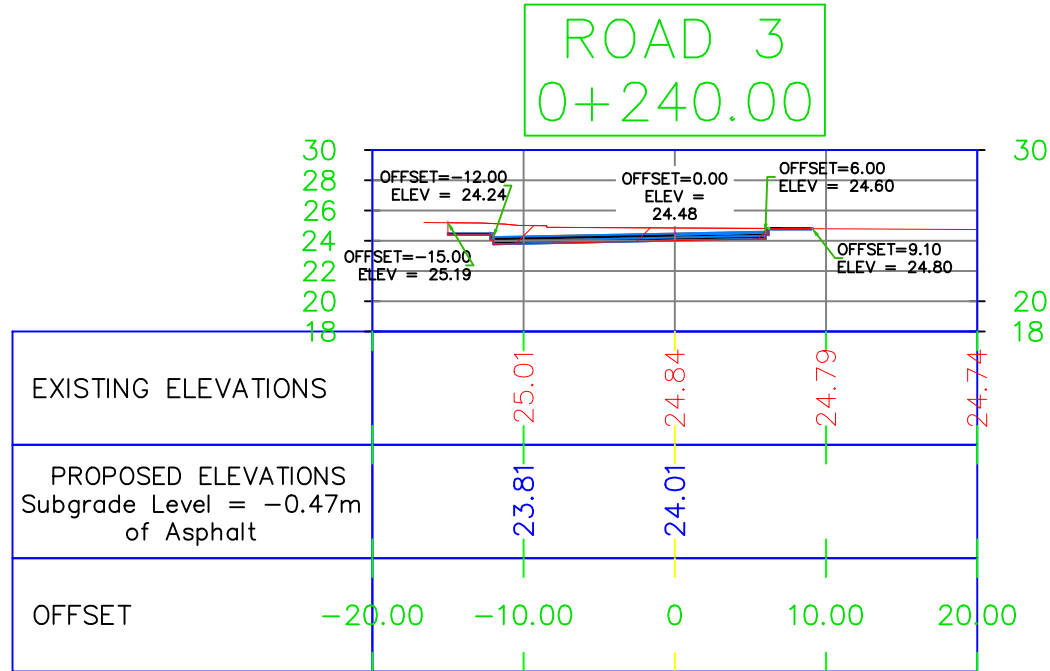
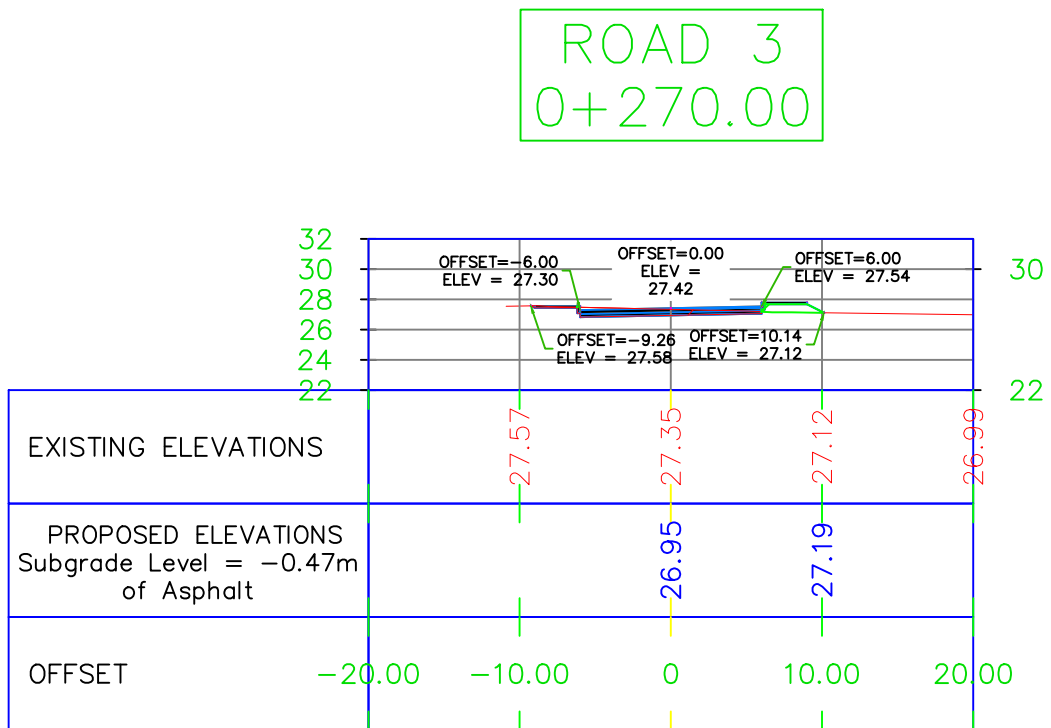
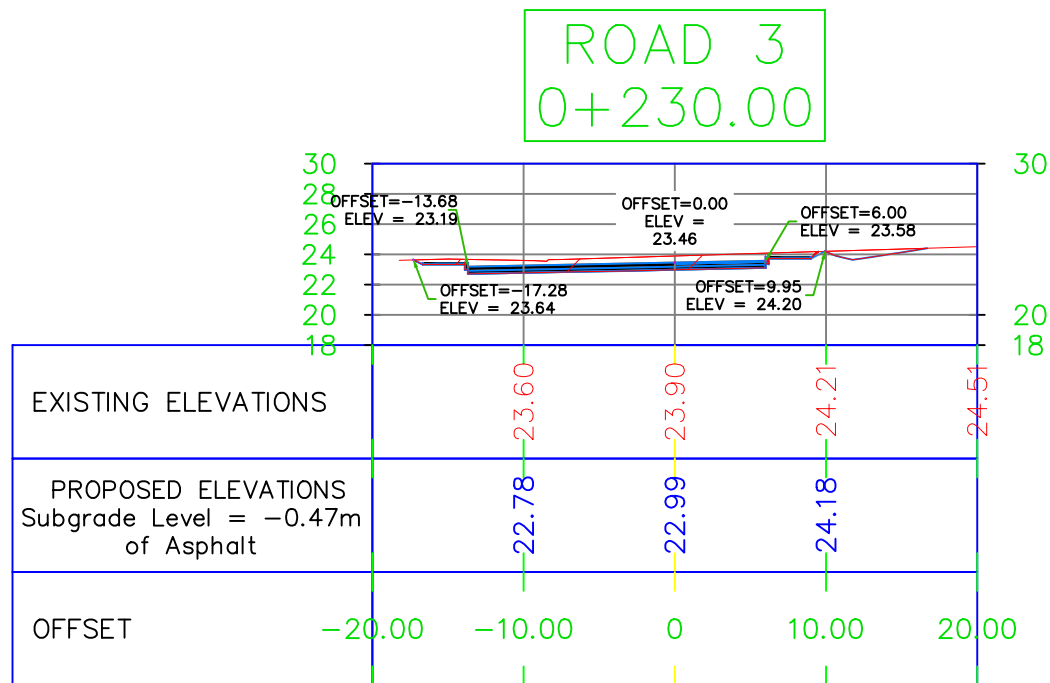
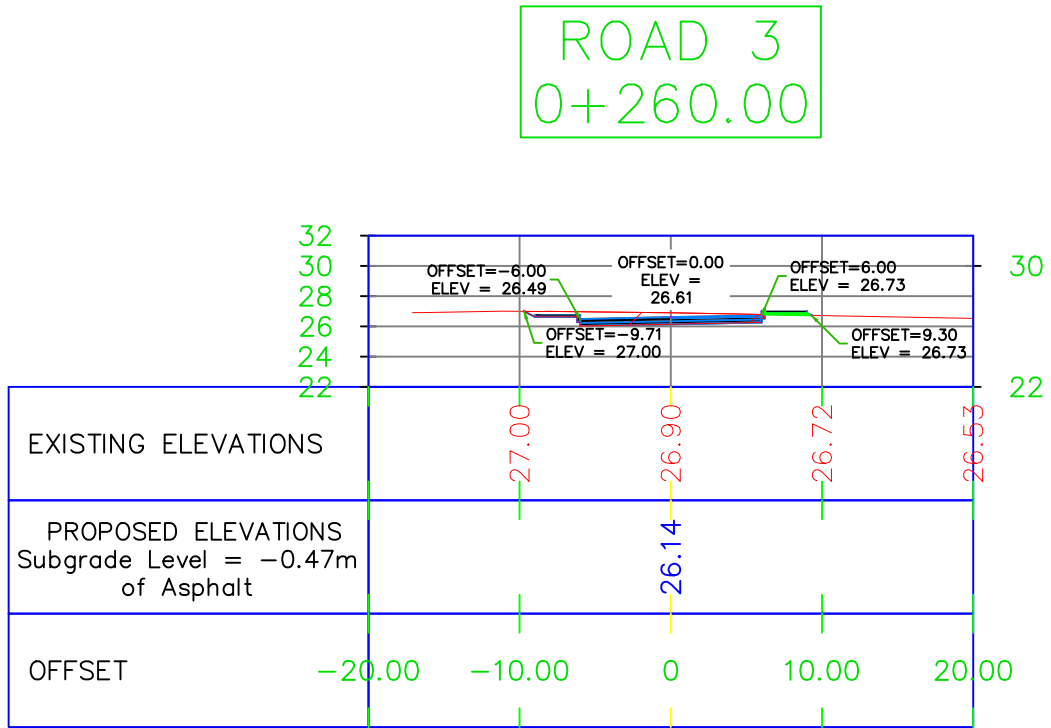
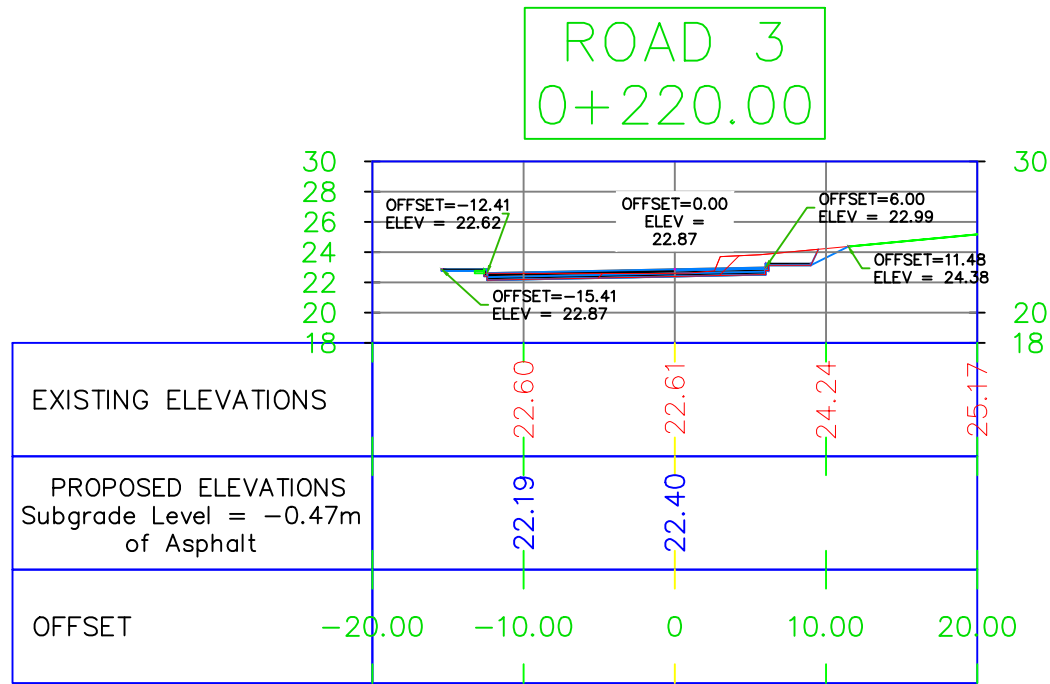
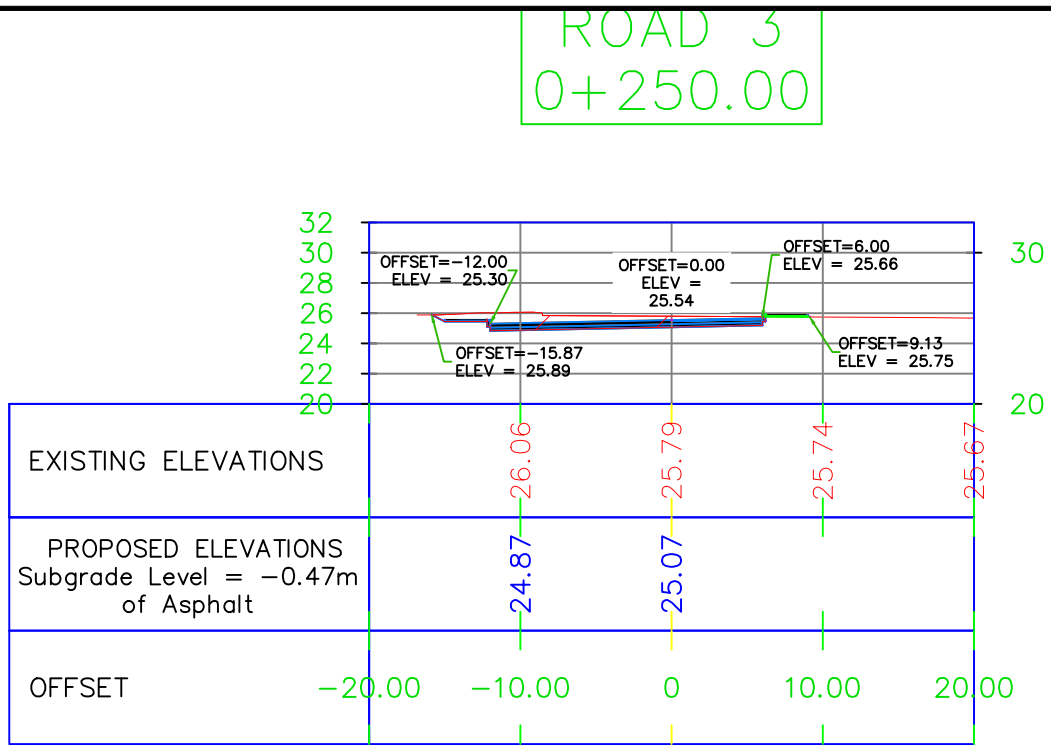
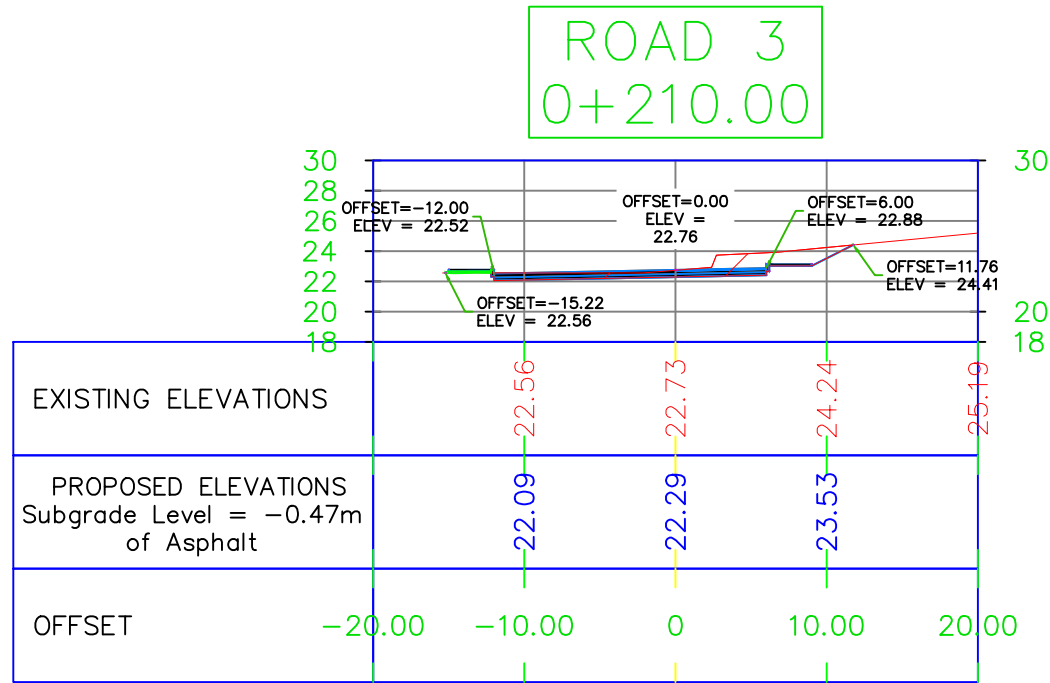
PROJECT OWNER :
سلطة منطقة العقبة الاقتصادية الخاصة
AQABA SPECIAL ECONOMIC ZONE AUTHORITY

PROJECT NAME :
عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :
ROAD 3 CROSS SECTIONS
(1/2)

Prepared By :
RUQN AL HANDASA
Consulting Engineers
AMMAN - JORDAN
TEL. : 4653344 FAX. : 4653342
e-mail: ruqn@ruqn.com
Website: www.ruqn.com

DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	
SCALE: 1/500		SHEET SIZE: A1
PLOT NO.	DASIN NO.	CAD FILE
9	ALJAME'	SER._DC_X.REF_348
ISSUE DATE	PROJECT NO.	DRAWING NO.
MAR.2026	348	C15
		REV.
		A-3



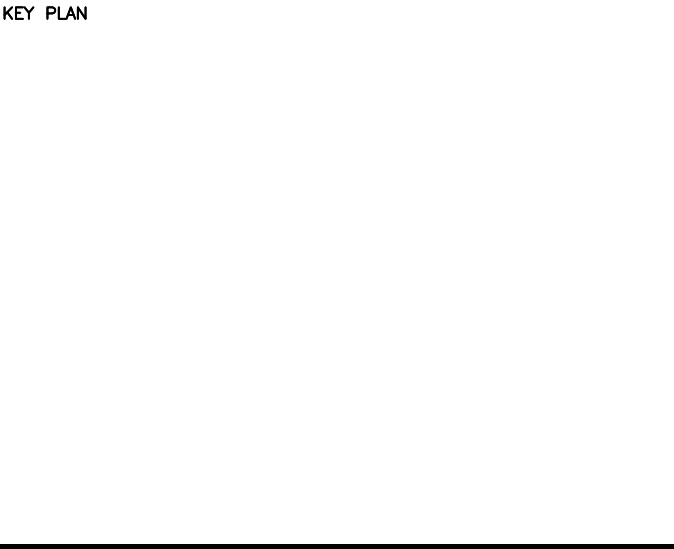
ROAD 3 Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
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0+020.00	21.46	0.00	158.78	0.12	158.78	0.12
0+030.00	23.13	0.00	222.97	0.00	381.74	0.12
0+040.00	17.16	0.00	201.48	0.00	583.22	0.12
0+050.00	11.17	0.00	141.67	0.00	724.89	0.12
0+060.00	14.25	0.00	127.10	0.00	851.99	0.12
0+070.00	14.08	0.00	141.67	0.00	993.66	0.12
0+080.00	6.25	0.01	101.66	0.06	1095.32	0.18
0+090.00	3.03	2.30	46.39	11.58	1141.71	11.76
0+100.00	1.88	4.26	24.54	32.84	1166.25	44.60
0+110.00	3.18	3.57	25.27	39.16	1191.53	83.76
0+120.00	1.95	10.57	25.61	70.68	1217.14	154.44
0+130.00	0.75	10.88	13.97	105.98	1231.11	260.42
0+140.00	0.04	14.00	4.16	122.73	1235.27	383.15
0+150.00	0.53	11.85	2.97	127.79	1238.24	510.94
0+160.00	0.36	12.83	4.70	121.81	1242.94	632.75
0+170.00	1.21	11.77	8.31	121.13	1251.25	753.88
0+180.00	2.11	11.26	17.58	112.86	1268.83	866.75
0+190.00	0.64	11.89	14.27	114.19	1283.10	980.93
0+200.00	0.56	13.77	5.97	128.28	1289.07	1109.22
0+210.00	0.33	15.77	4.43	147.69	1293.50	1256.91
0+220.00	0.10	11.82	2.69	133.86	1296.19	1390.77
0+230.00	0.00	22.25	1.15	186.48	1297.35	1577.25
0+240.00	0.00	19.64	0.00	236.49	1297.35	1813.75
0+250.00	0.17	16.91	0.84	182.77	1298.18	1996.52
0+260.00	0.35	10.30	2.59	136.07	1300.77	2132.59
0+270.00	1.86	5.07	11.04	76.87	1311.81	2209.45

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO. DATE DESCRIPTION



PROJECT OWNER :



سلطة منطقة العقبة
الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية
الاحتمية ضمن المنطقة التجارية الثانية
(منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

ROAD 3 CROSS SECTIONS
(2/2)

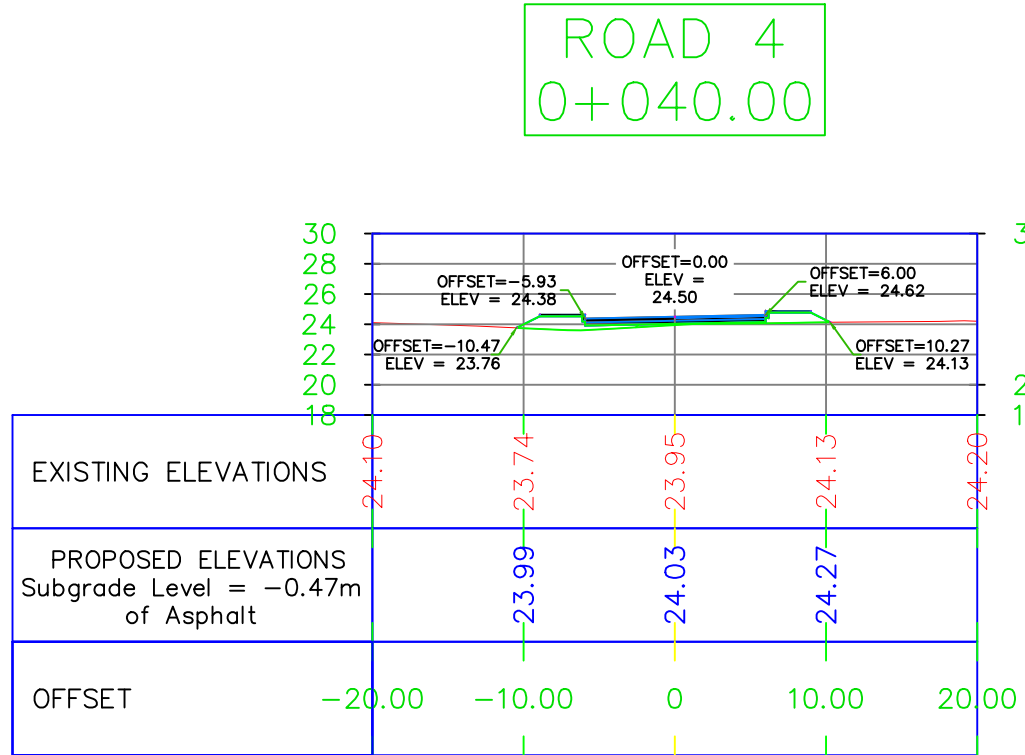
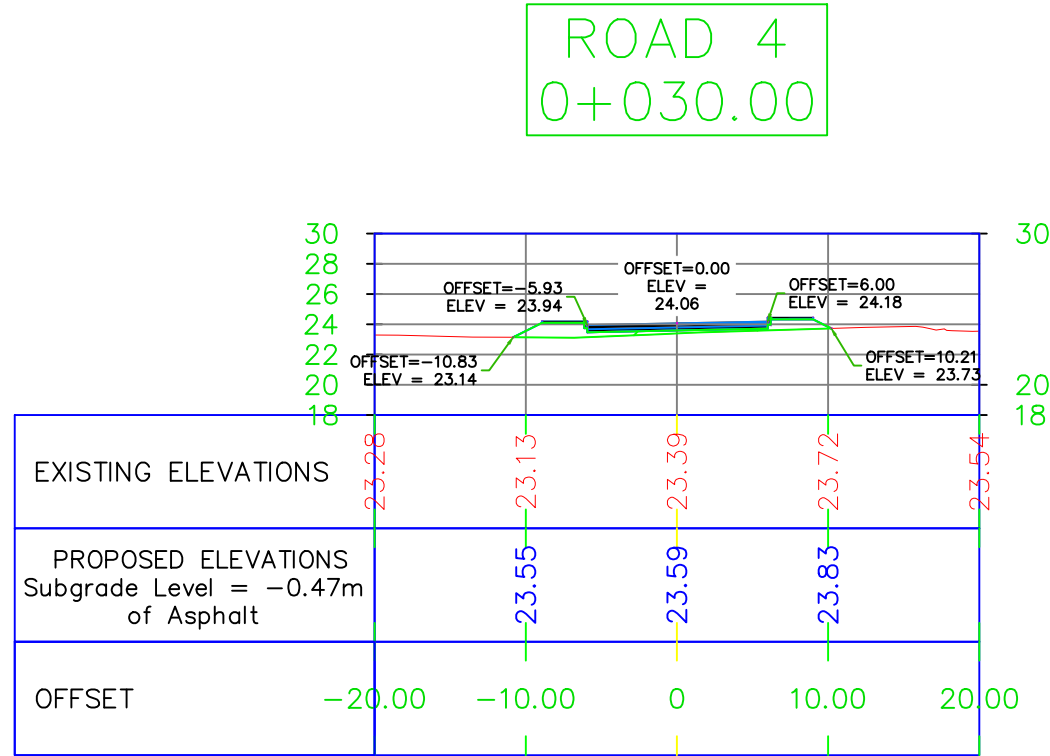
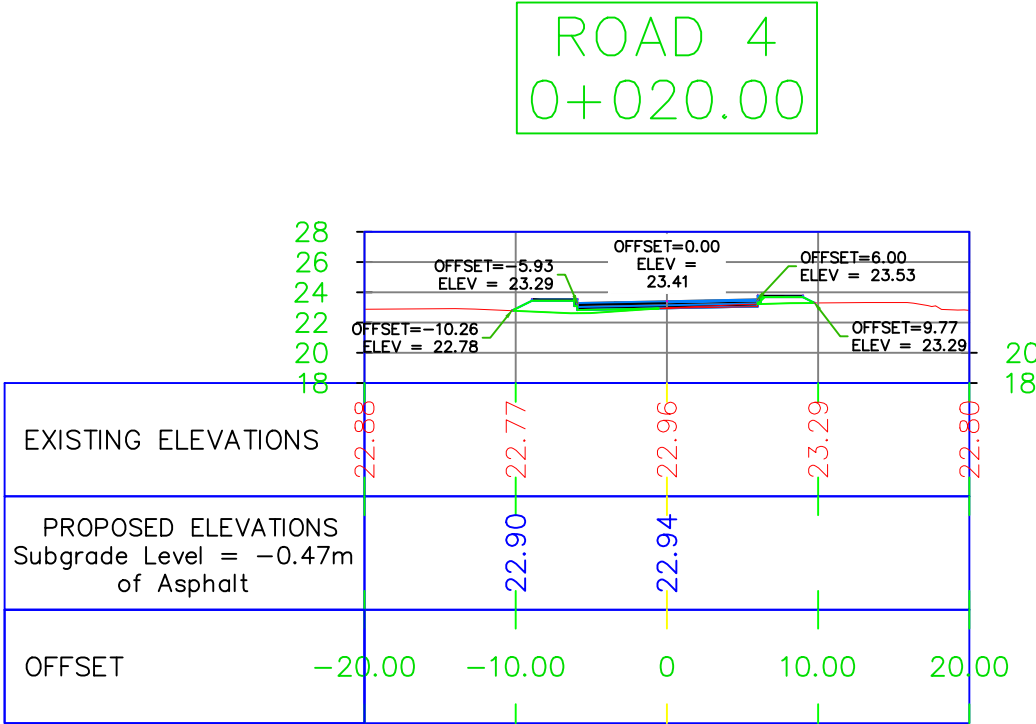
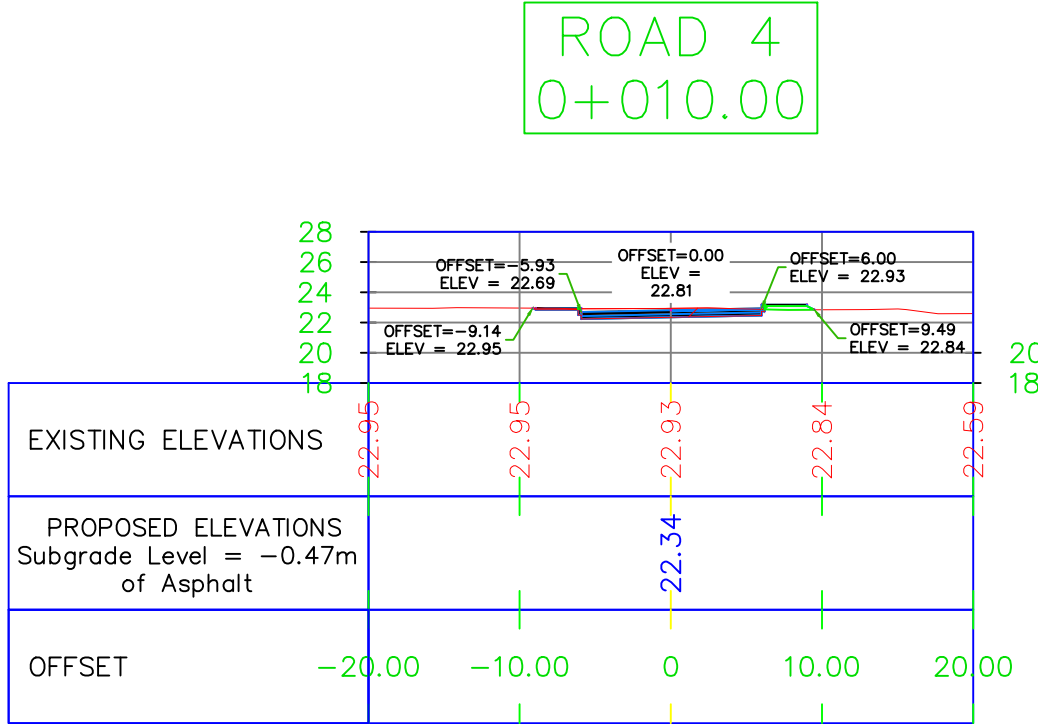
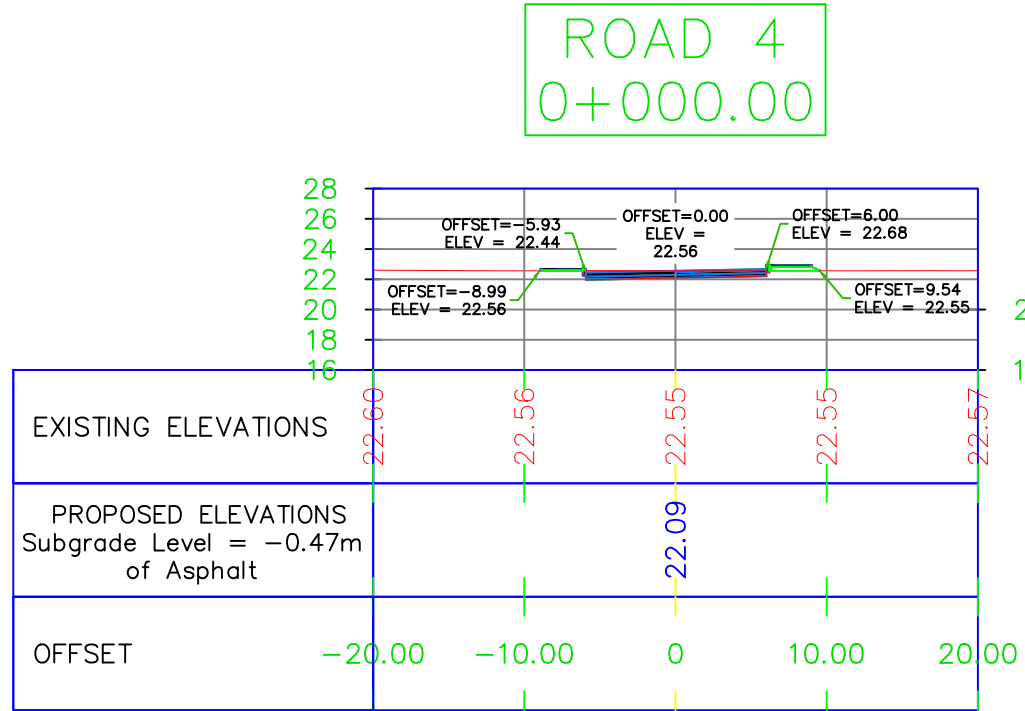
Prepared By :

RUQN AL HANDASA
Consulting Engineers
AMMAN - JORDAN
TEL. : 4653344 FAX. : 4653342
e-mail: ruqn@ruqn.com
Website: www.ruqn.com

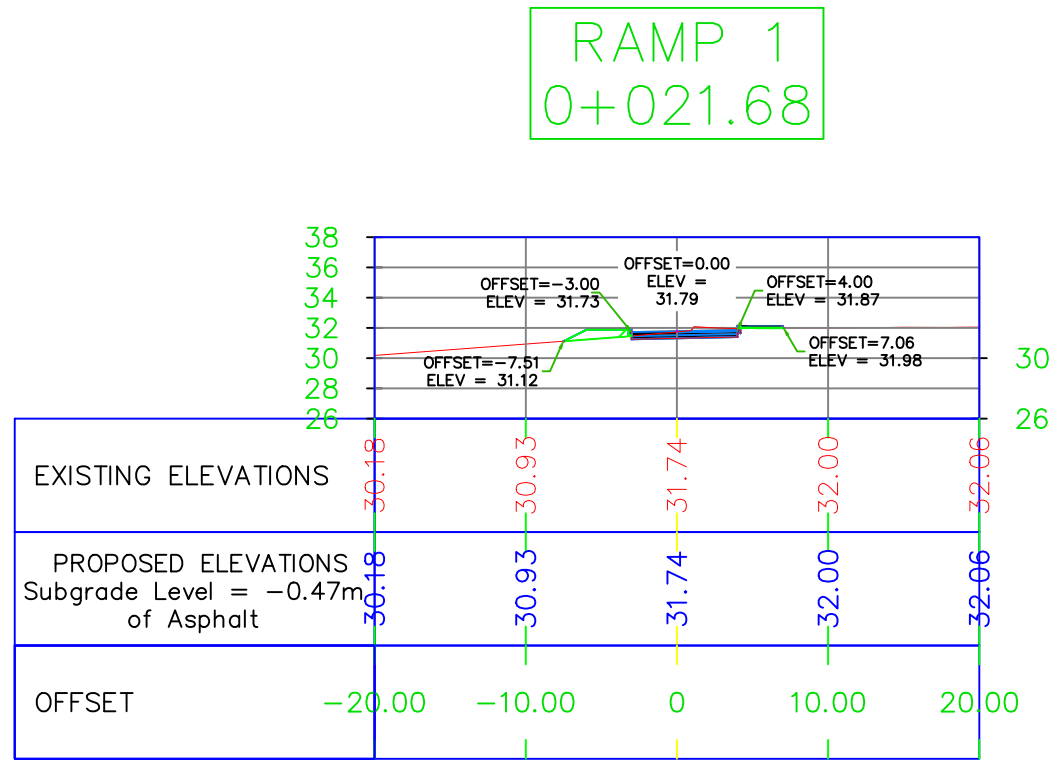
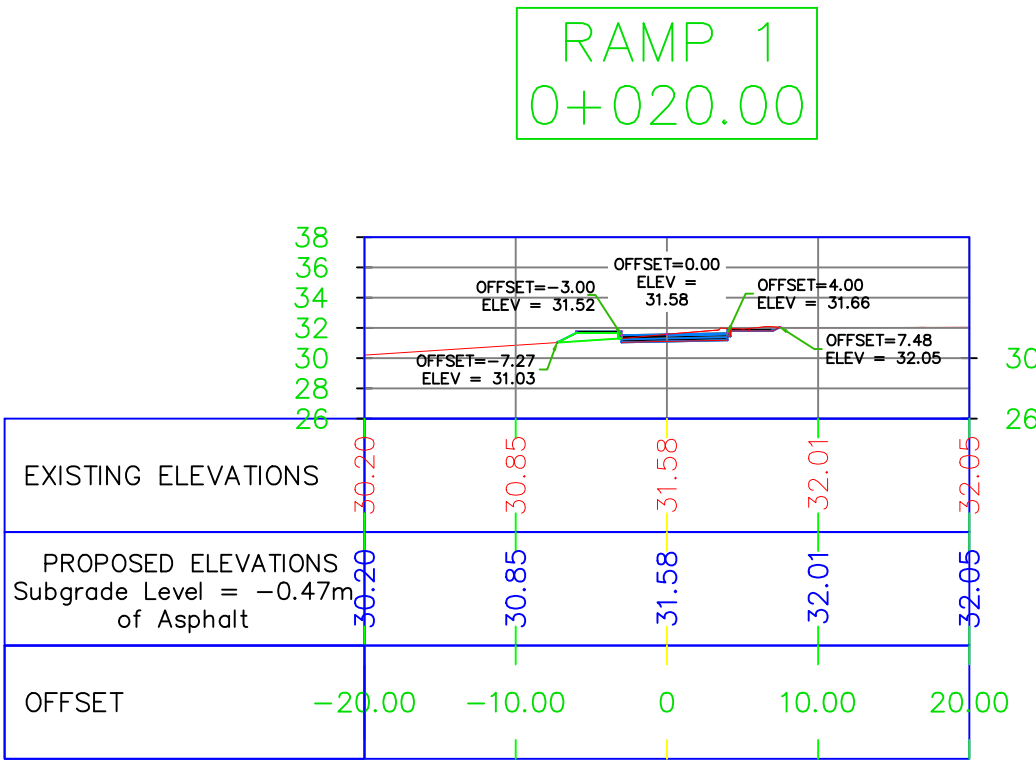
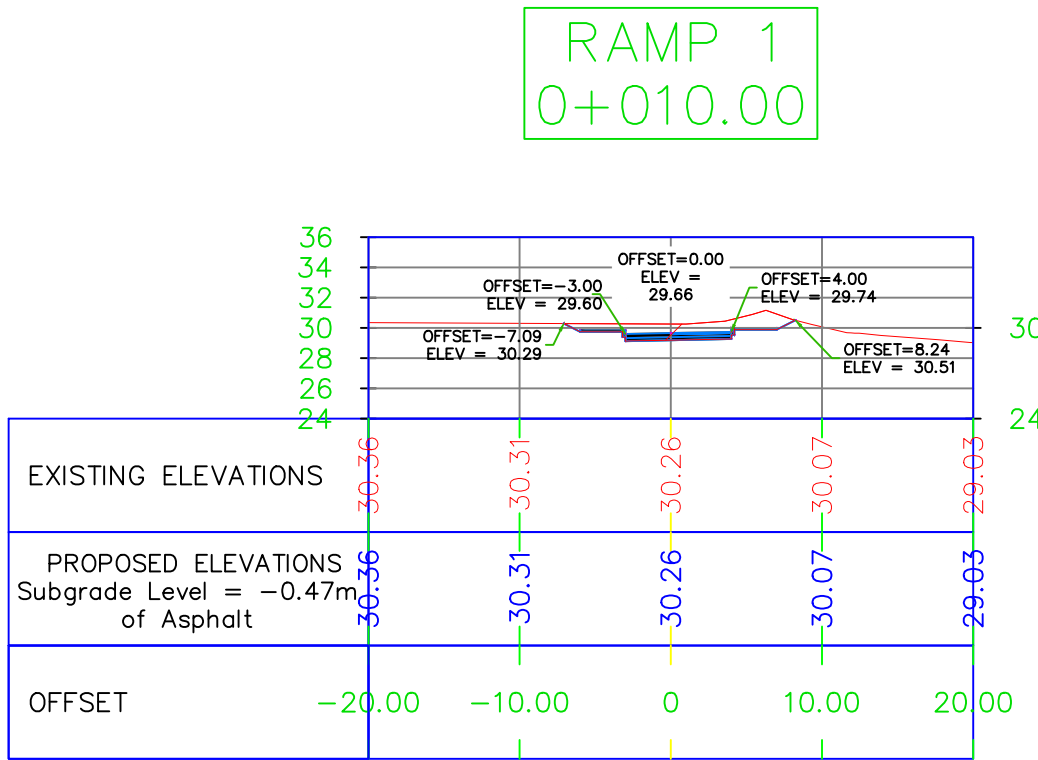
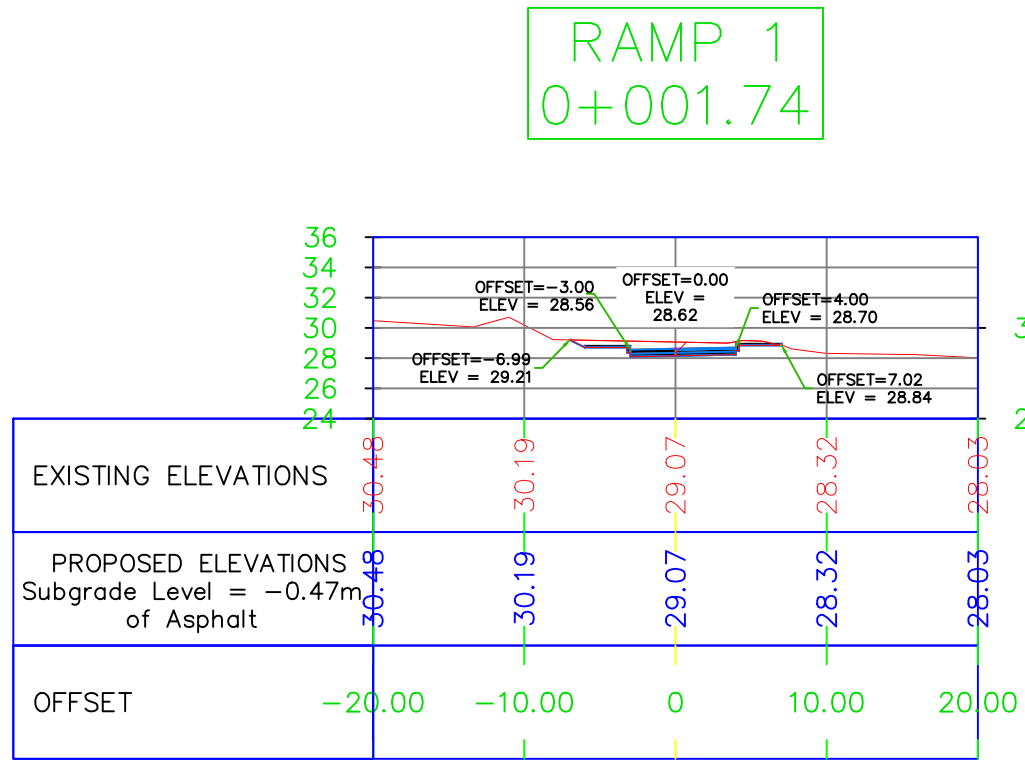
DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/500 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE
--	9 ALJAME'	SER_DC_X.REF_348
ISSUE DATE	PROJECT NO.	DRAWING NO.
MAR.2026	348	C16
		A-3



ROAD 4 Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+000.00	0.92	5.68	0.00	0.00	0.00	0.00
0+010.00	0.73	7.29	8.25	64.89	8.25	64.89
0+020.00	4.76	0.60	27.46	39.46	35.72	104.35
0+030.00	8.57	0.00	66.65	2.99	102.36	107.34
0+040.00	7.12	0.00	78.45	0.00	180.81	107.34



RAMP 1 Total Volume Table						
Station	Fill Area	Cut Area	Fill Volume	Cut Volume	Cumulative Fill Vol	Cumulative Cut Vol
0+001.74	0.00	8.66	0.00	0.00	0.00	0.00
0+010.00	0.00	13.40	0.00	94.57	0.00	94.57
0+020.00	1.66	4.26	5.92	95.21	5.93	189.79
0+021.68	2.08	3.40	2.28	6.98	8.20	196.77

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO. DATE DESCRIPTION

KEY PLAN



سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

ROAD 4 CROSS SECTIONS
AND
RAMP 1 CROSS SECTIONS

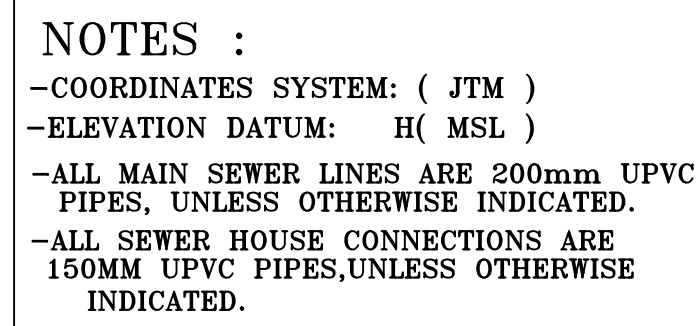
Prepared By :

RUQN AL HANDASA
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AMMAN - JORDAN
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Website: www.ruqn.com

DESIGNED BY TEAM WORK
CHECKED BY MOHMD KHATIBEH 4705
DRAWN BY TEAM WORK

SCALE: 1/500 SHEET SIZE: A1

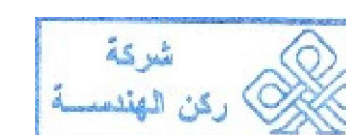
PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C17	A-3



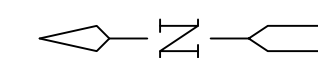
LEGEND:

	NEW SEWER MANHOLE
	PROPOSED SEWER LINE
	EXISTING SEWER LINE
	SEWER HOUSE CONNECTION
	EXISTING SEWER MANHOLE

Tender Drawings



REV. NO.	DATE	DESCRIPTION

[illegible]

PROJECT OWNER

سلطة منطقة العقبة
الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

SEWER SITE PLAN

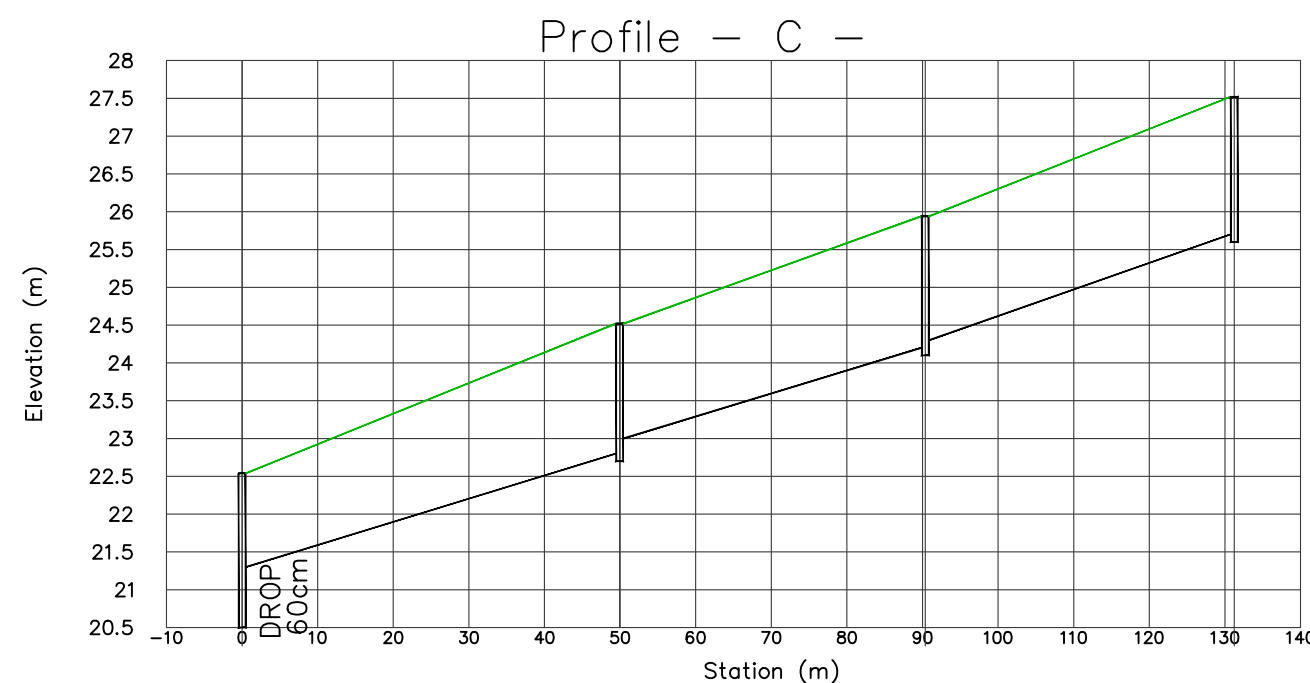
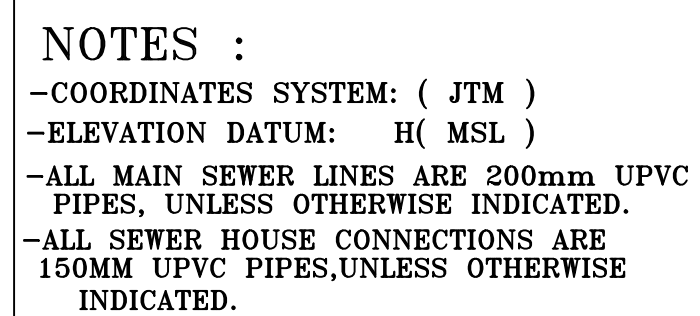
Prepared By :



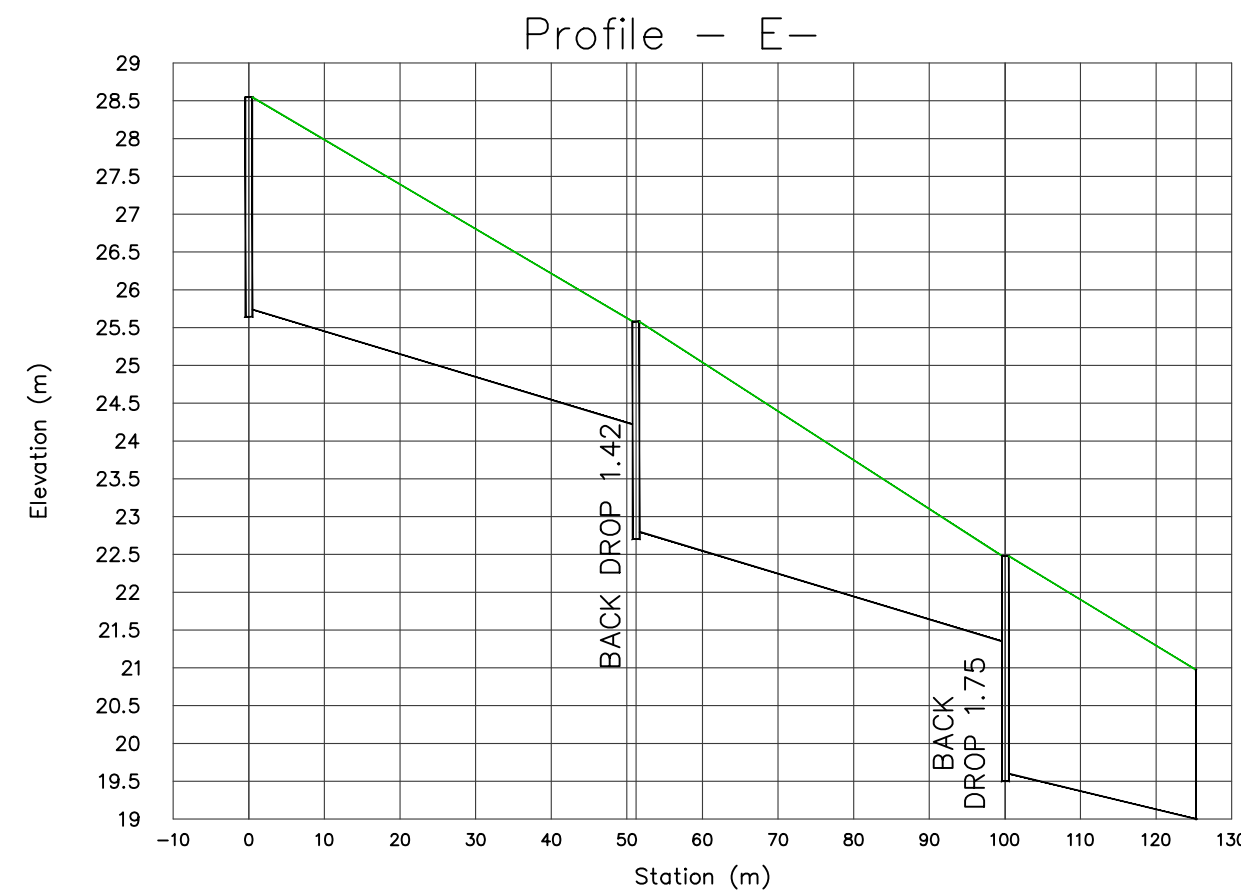
DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/500 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C18	A-3



ID\Label		69 \ CO-19	71 \ CO-20	73 \ CO-21
Link Length (m)		50.04	40.51	41.06
Rise (mm)\Material		200/PVC	200/PVC	200/PVC
Flow (m^3/s)		0.00	0.00	0.00
Slope (mm/m)		1500	1200	1220
Slope (%)		S=3%	S=2.96%	S=2.97%
ID\Label	33\LINE A MH-3/0	68\LINE C MH-1	70\LINE C MH-2	72\LINE MH-3
Ground (m)	22.54	24.52	25.94	27.52
Invert (m)	20.00	22.00	24.00	25.52
Station (m)	0.0	50.04	90.55	131.61



ID\Label		92 \ CO-27	94 \ CO-26	98 \ CO-25	
Link Length (m)		51.22	48.78	25.30	
Rise (mm)\Material		200 \ PVC	200 \ PVC	200 \ PVC	
Flow (m ³ /s)		0.00	0.00	0.00	
Slope (mm/m)\Slope (%)		1520 S=2.97%	1450 S=2.97%	600 S=2.37%	
ID\Label	90\LINE E MH-4		91\LINE E MH-3	93\LINE E MH-2	97\LINE E MH-1
Ground (m)	28.55		25.58	22.48	20.97
Invert (m)	25.74	24.26	21.35	19.60	19.00
Station (m)	0.0	51.2	100.1	125.3	

سلطة منطقة القبة الاقتصادية الخاصة
AQABA SPECIAL ECONOMIC ZONE AUTHORITY

PROJECT NAME :

(عطاء رقم)
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

SEWER PROFILE
(A-B-C-D-E)

Prepared By :

 **RUQN AL HANDASA**
Consulting Engineers
AMMAN - JORDAN
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DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/1000 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C19	A-3

SEWER HOUSE CONNECTION DETAILS ON LINE A												
NO.	PLOT NO.	MAIN SEWER LINE NAME	ROAD NAME	STATION OF HOUSE CONNECTION	LL OF HC ON MAIN LINE	LL OF HC IN THE PLOT	PROPOSED PLOT LEVEL	LENGTH OF HOUSE CONNECTION(M)	SLOPE OF HOUSE CONNECTION	X-COORDINATE OF H.C ON THE MAIN LINE	Y-COORDINATE OF H.C ON THE MAIN LINE	
1	69	A	EX.ROAD	0+491.15	19.98	21	22	7.56	0.13	306556.431	268432.262	
2	46	A	EX.ROAD	0+457.63	20.49	21.5	22.5	5.84	0.17	306548.81	268456.717	
3	45	A	EX.ROAD	0+441.63	20.54	21.5	22.5	5.85	0.16	306549.065	268473.013	
4	42	A	EX.ROAD	0+425.33	20.59	21.5	22.5	5.33	0.17	306549.32	268489.313	
5	40	A	EX.ROAD	0+409.25	20.64	21.5	22.5	5.46	0.16	306549.69	268505.396	
6	38	A	EX.ROAD	0+384.26	20.72	21.5	22.5	5.34	0.15	306549.963	268530.389	
7	35	A	EX.ROAD	0+357.82	20.8	21.5	22.5	4.85	0.14	306550.376	268556.825	
8	34	A	EX.ROAD	0+340.96	20.85	21.5	22.5	4.59	0.14	306550.64	268572.689	
9	33	A	EX.ROAD	0+324.38	20.9	21.5	22.5	4.51	0.13	306550.9	268590.264	
10	32	A	EX.ROAD	0+307.61	20.95	21.1	22.1	4.09	0.04	306551.162	268607.038	
11	6	A	3	0+254.25	21.4	22	24	5.47	0.11	306588.814	268632.693	
12	4	A	3	0+239.47	21.44	22	24	5.52	0.10	306590.923	268647.324	
13	2	A	3	0+225.64	21.49	22	24	5.8	0.09	306592.896	268661.009	
14	1	A	3	0+195.37	24.12	25	26	5.73	0.15	306619.652	268682.79	
15	3	A	2	0+154.41	25.9	26.1	27.1	6.78	0.03	306640.426	268638.36	
16	5	A	2	0+139.87	26.06	26.5	27.5	6.69	0.07	306636.258	268623.983	
17	7	A	2	0+132.74	26.13	26.5	27.5	6.51	0.06	306637.195	268616.93	
18	9	A	2	0+124.61	26.22	26.5	27.5	7.41	0.04	306637.984	268608.765	
19	11	A	2	0+113.04	26.34	26.5	27.5	7.3	0.02	306639.1	268597.195	
20	13	A	2	0+105.04	26.42	27	28	6.17	0.09	306639.885	268589.063	
21	16	A	2	0+93.47	26.54	26.7	27.7	5.76	0.03	306643.467	268577.616	
22	18	A	2	0+80.42	26.68	27	28	5.65	0.06	306647.31	268565.143	
23	20	A	2	0+66.72	26.82	27	28	5.51	0.03	306651.371	268552.06	
24	22	A	2	0+53.69	26.97	27.2	28.2	5.51	0.04	306655.34	268539.648	
25	24	A	2	0+46.26	27.04	27.2	28.2	5.51	0.03	306657.604	268532.57	
26	26	A	2	0+38.83	27.13	28	29	5.51	0.16	306659.867	268525.494	
27	28	A	2	0+13.8	27.82	28	29	5.51	0.03	306667.495	268501.656	
28	30	A	2	0+0.46	28.28	28.4	29.4	5.77	0.02	306671.561	268488.952	

SEWER HOUSE CONNECTION DETAILS FOR LINE C

NO.	PLOT NO.	MAIN SEWER LINE NAME	NAME OF THE ROAD	STATION OF HOUSE CONNECTION	LL OF HC ON MAIN LINE	LL OF HC IN THE PLOT	PROPSED PLOT LEVEL	LENGTH OF HOUSE CONNECTION	SLOPE OF HOUSE CONNECTION	X-COORDINATE OF H.C ON THE MAIN LINE	Y-COORDINATE OF H.C ON THE MAIN LINE	
1	38	C	4	0+5.98	21.05	21.5	22.5	9.91	0.05	306556.25	268550.254	
2	37	C	4	0+30.9	22.11	23	24	9.96	0.09	306581.178	268556.29	
3	19	C	3	0+50.05	23	24	25	5.7	0.18	306600.323	268550.132	
4	21	C	3	0+63.54	23.38	24	25	5.65	0.11	306604.463	268537.335	
5	23	C	3	0+76.69	23.74	24	25	5.61	0.05	306608.51	268524.824	
6	25	C	3	0+90.55	24.12	24.3	25.3	5.57	0.03	306612.777	268511.634	
7	27	C	3	0+98.35	24.36	25	26	5.55	0.12	306615.159	268504.21	
8	41	C	3	0+101.49	24.46	24.7	25.7	12.96	0.02	306616.147	268501.218	
9	29	C	3	0+106.61	24.62	24.8	25.8	5.52	0.03	306617.565	268496.834	
10	31	C	3	0+126.73	25.23	25.5	26.5	5.46	0.05	306623.916	268477.201	
11	43	C	3	0+131.20	25.37	25.6	26.6	13.55	0.02	306625.414	268472.57	

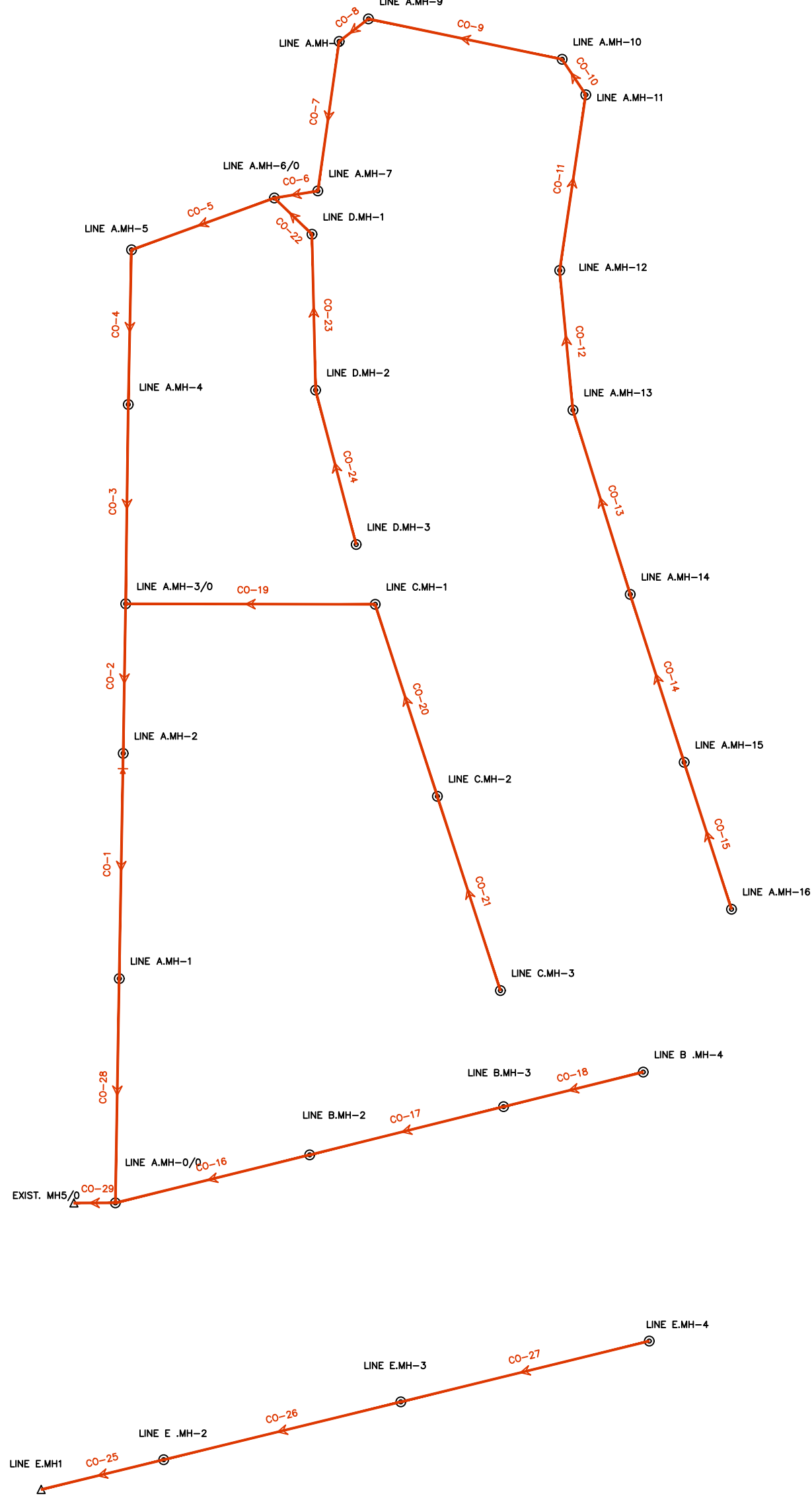
SEWER HOUSE CONNECTION DETAILS FOR LINE B

NO.	PLOT NO.	MAIN SEWER LINE NAME	STATION OF HOUSE CONNECTION	LL OF HC ON MAIN LINE	PROPOSED PLOT LEVEL	LL OF HC IN THE PLOT	LENGTH OF HOUSE CONNECTION	SLOPE OF HOUSE CONNECTION	X-COORDINATE OF H.C ON THE MAIN LINE	Y-COORDINATE OF H.C ON THE MAIN LINE	
1	47	B	8.28	21.05	22.5	21.5	10.21	0.04	306556.431	268432.262	
2	66	B	13.67	21.49	23.5	22.5	6.93	0.15	306561.853	268433.597	
3	65	B	21.37	22.06	23.5	22.5	6	0.07	306569.133	268435.402	
4	63	B	28.89	22.65	24	23	6	0.06	306576.437	268437.214	
5	60	B	40.01	23.52	24.7	23.7	5.96	0.03	306587.23	268439.89	
6	44	B	33.98	24.77	26	25	10	0.02	306605.785	268454.792	
7	58	B	51.07	24.16	25.5	24.5	6	0.06	306597.965	268442.552	
8	55	B	59.84	24.67	26	25	6	0.05	306606.477	268444.663	
9	43	B	61.57	24.78	26	25	10	0.02	306605.789	268454.792	
10	52	B	74.84	25.55	27.5	26.5	6	0.16	206621.036	268448.273	
11	51	B	94.91	26.7	28.5	27.5	6	0.13	306640.514	268453.103	
12	48	B	108.91	27.7	29	28	6	0.05	306654.102	268456.472	
13	30	B	108.91	27.7	28.9	27.9	10.57	0.02	306654.102	268456.472	

SEWER HOUSE CONNECTION DETAILS FOR LINE D

NO.	PLOT NO.	MAIN SEWER LINE NAME	ROAD NAME	STATION OF HOUSE CONNECTION	LL OF HC ON MAIN LINE	LL OF HC IN THE PLOT	PROPOSED LEVEL OF PLOT	LENGTH OF HOUSE CONNECTION	SLOPE OF HOUSE CONNECTION	X-COORDINATE OF H.C ON THE MAIN LINE	Y-COORDINATE OF H.C ON THE MAIN LINE	
1	8	D	1	0+10.58	21.8	22	23	5.45	0.04	306587.718	268824.109	
2	10	D	1	0+22.41	21.96	22.2	23.2	4.7	0.05	306588.059	268612.285	
3	12	D	1	0+32.53	22.1	22.5	23.5	4.7	0.09	306588.246	268602.162	
4	14	D	1	0+41.64	22.22	22.5	23.5	4.7	0.06	306588.464	268593.11	
5	15	D	1	0+52.73	22.4	23	24	5.83	0.10	306591.237	268582.309	
6	36	D	1	0+62.21	22.56	23	24	14.23	0.03	306593.606	268573.131	
7	17	D	1	0+73.60	22.75	23.5	24.5	6.26	0.12	306596.45	268562.104	

Label	X (m)	Y (m)
LINE A.MH-1/0	306,548.37	268,430.25
LINE A.MH-1	306,549.14	268,475.15
LINE A.MH-2	306,549.93	268,520.21
LINE A.MH-3/0	306,550.43	268,550.17
LINE A.MH-4	306,550.95	268,590.06
LINE A.MH-5	306,551.59	268,621.04
LINE A.MH-6/0	306,580.20	268,631.42
LINE A.MH-7	306588.814	268,632.82
LINE A.MH-8	306591.864	268660.490
LINE A.MH-9	306602.016	268668.114
LINE A.MH-10	306638.627	268,660.675
LINE A.MH-11	306644.458	268651.693
LINE A.MH-12	306638.161	268617.215
LINE A.MH-13	306641.856	268589.459
LINE A.MH-14	306653.278	268552.661
LINE A.MH-15	306664.015	268519.089
LINE A.MH-16	306673.465	268489.562
LINE B .MH-4	306,654.04	268,456.43
LINE B.MH-2	306,587.25	268,439.85
LINE B.MH-3	306,626.07	268,449.51
LINE C.MH-1	306,600.38	268,550.07
LINE C.MH-2	306,612.84	268,511.62
LINE C.MH-3	306,625.44	268,472.74
LINE D.MH-1	306,587.73	268,624.15
LINE D.MH-2	306,588.46	268,592.95
LINE D.MH-3	306,596.57	268,562.04
LINE E .MH-2	306,558.03	268,378.82
LINE E.MH-3	306,605.50	268,390.41
LINE E.MH-4	306,655.24	268,402.58
LINE E.MH-1	306,533.467	268,372.758
EXIST. MH5/0	306,540.07	268,430.24
LINE E.MH1	306,533.52	268,372.87



NOTES :

-COORDINATES SYSTEM: (JTM)

-ELEVATION DATUM: H(MSL)

-ALL MAIN SEWER LINES ARE 200mm UPVC PIPES, UNLESS OTHERWISE INDICATED.

-ALL SEWER HOUSE CONNECTIONS ARE 150MM UPVC PIPES,UNLESS OTHERWISE INDICATED.

Tender Drawings



REV. NO. DATE DESCRIPTION

KEY PLAN

PROJECT OWNER :



سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

SEWER COORDINATES AND HOUSE CONNECTIONS SCHEDULES

Prepared By :



DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/1000 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C20	A-3

NOTES :

- COORDINATES SYSTEM: (JTM)
- ELEVATION DATUM: H(MSL)
- ALL MAIN WATER LINES ARE 100mm DIP PIPES, UNLESS OTHERWISE INDICATED.
- ALL WATER HOUSE CONNECTIONS ARE 25MM HDPE PIPES, UNLESS OTHERWISE INDICATED.

LEGEND:

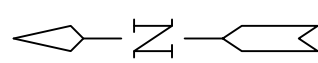
	PRV PRESSURE REDUCING VALVE
	100mm DIP PROPOSED WATER LINE
	63mm HDPE PROPOSED WATER LINE
	25mm HDPE WATER HOUSE CONNECTION
	JUNCTION NUMBER X
	PIPE NUMBER X
	AIR RELEASE VALVE
	GATE VALVE

Tender Drawings



REV. NO. DATE DESCRIPTION

KEY PLAN



PROJECT OWNER :



سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

WATER SUPPLY NETWORK

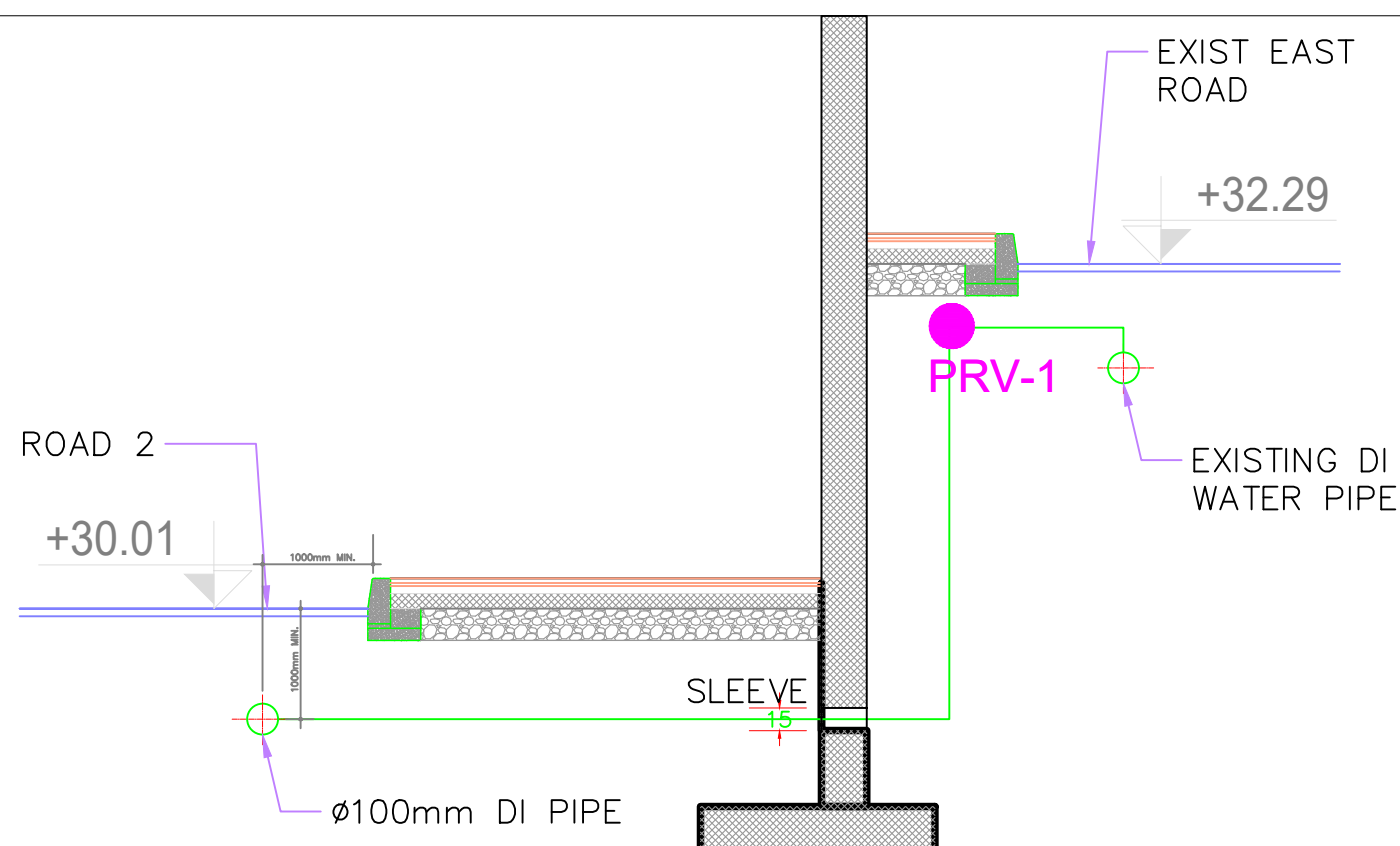
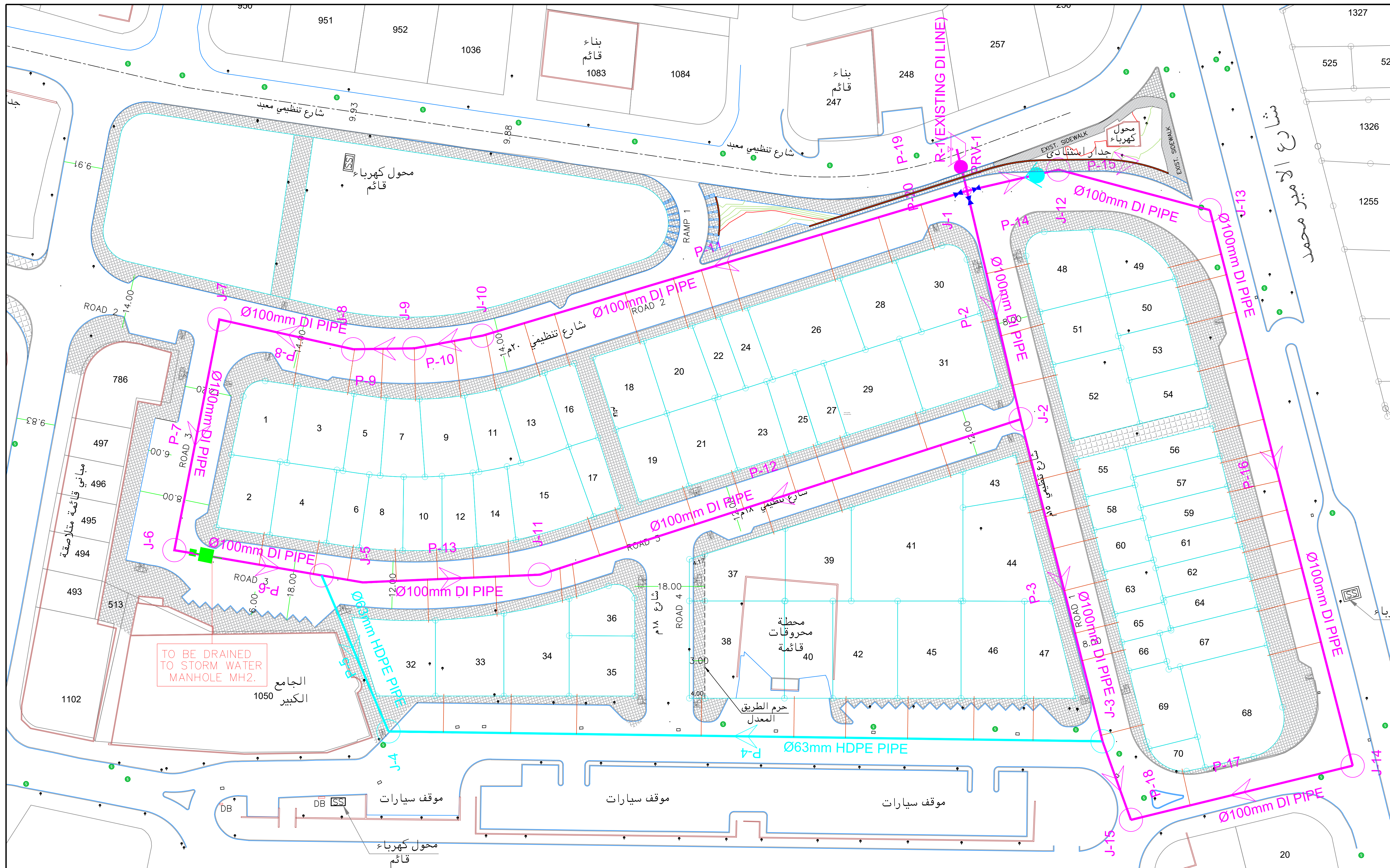
Prepared By :

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Website: www.ruqn.com

DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/500 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C21	A-



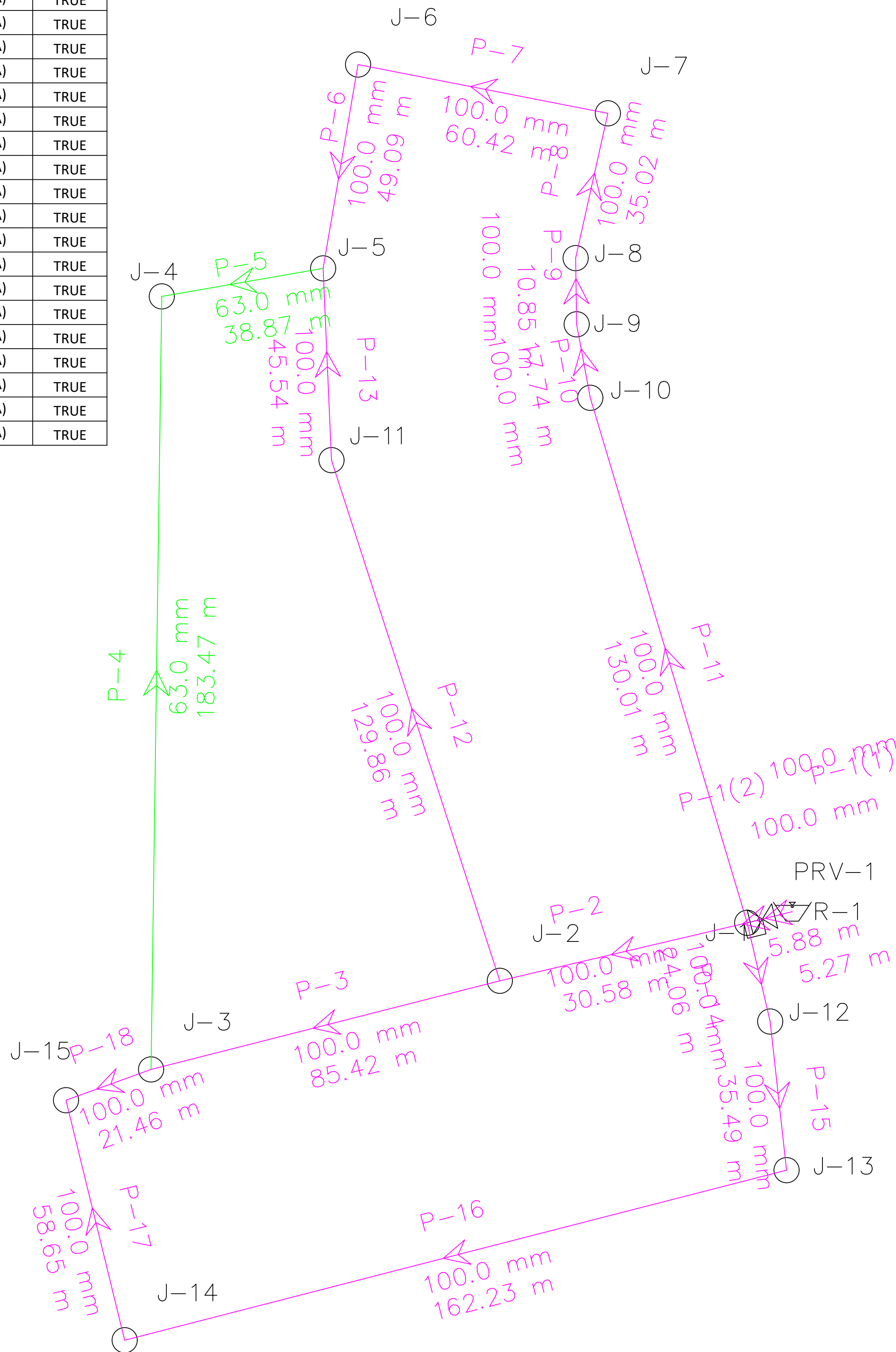
WATER PIPE CONNECTION AT R.WALL

HDPE PIPES DIAMETERS

MATERIAL	INSIDE DIAMETER (mm)	OUTER DIAMETER (mm)
HDPE	102.2	125
HDPE	51.4	63
HDPE	20.4	25

PIPES													
ID	Label	Diameter (mm)	Hazen-Williams C	Material	Length Scaled (m)	Headloss Gradient (m/km)	Flow m³/h	Pressure (Start) (bars)	Pressure (Stop) (bars)	Velocity (m/s)	Length (User Defined) (m)	Length Adjustment (m)	Has User Defined Length?
66	P-1(1)	100	130	Ductile Iron	2.23	52.625	62.31	0	6.58	2.2	5.27	(N/A)	TRUE
67	P-1(2)	100	130	Ductile Iron	1.13	52.625	62.31	1.71	1.68	2.2	5.88	(N/A)	TRUE
33	P-2	100	130	Ductile Iron	18.38	11.167	26.98	1.68	2.09	0.95	30.58	(N/A)	TRUE
35	P-3	100	130	Ductile Iron	26.04	2.206	11.24	2.09	2.61	0.4	85.42	(N/A)	TRUE
37	P-4	63	140	HDPE	55.92	0.377	1.38	2.61	2.65	0.12	183.47	(N/A)	TRUE
39	P-5	63	140	HDPE	11.85	2.919	-4.18	2.65	2.37	0.37	38.87	(N/A)	TRUE
41	P-6	100	130	Ductile Iron	14.96	0.447	-4.75	2.37	2.37	0.17	49.09	(N/A)	TRUE
43	P-7	100	130	Ductile Iron	18.42	0.612	-5.62	2.37	2.13	0.2	60.42	(N/A)	TRUE
45	P-8	100	130	Ductile Iron	10.74	0.902	-6.93	2.13	2.13	0.25	35.02	(N/A)	TRUE
47	P-9	100	130	Ductile Iron	4.79	1.124	-7.81	2.13	2.14	0.28	10.85	(N/A)	TRUE
49	P-10	100	130	Ductile Iron	5.41	1.368	-8.68	2.14	2.14	0.31	17.74	(N/A)	TRUE
50	P-11	100	130	Ductile Iron	39.63	2.76	-12.68	2.14	1.68	0.45	130.01	(N/A)	TRUE
52	P-12	100	130	Ductile Iron	39.58	1.106	7.74	2.09	2.47	0.27	129.86	(N/A)	TRUE
53	P-13	100	130	Ductile Iron	13.88	0.014	0.74	2.47	2.37	0.03	45.54	(N/A)	TRUE
55	P-14	100	130	Ductile Iron	7.33	3.603	14.65	1.68	1.68	0.52	24.06	(N/A)	TRUE
57	P-15	100	130	Ductile Iron	10.82	3.379	14.15	1.68	1.71	0.5	35.49	(N/A)	TRUE
59	P-16	100	130	Ductile Iron	49.45	1.826	10.15	1.71	2.71	0.36	162.23	(N/A)	TRUE
61	P-17	100	130	Ductile Iron	17.88	0.474	4.9	2.71	2.61	0.17	58.65	(N/A)	TRUE
62	P-18	100	130	Ductile Iron	6.54	0.03	-1.1	2.61	2.61	0.04	21.46	(N/A)	TRUE

RESERVIOR						
ID	Label	Elevation (m)	Zone	Flow (Out net) (m³/h)	Hydraulic Grade (m)	Flow (In net) (m³/h)
29	R-1	100	<None>	62.31	100	-62.31



LEGEND

Tender Drawings

REV. NO.	DATE	DESCRIPTION

PROJECT OWNER :

سلطة منطقة العقبة
الاقتصادية الخاصة

DRAWING NAME :

Prepared By :	
---------------	--

DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C22	A-3

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

LEGEND:

	Asphalt
	Curbstone
	Exist Walls
	DLS BORDER
	Building
	Bench Mark/ Traverse
	Storm Water Line
	Storm Water M.H.
	Grill 0.45m*0.60m
	Exist GRILL MANHOLE
	Distribution Board
	Elect. Pole
	Sub Station
	ASEZA BORDER

Tender Drawings



REV. NO.	DATE	DESCRIPTION
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KEY PLAN

PROJECT OWNER :
سلطة منطقة العقبة الاقتصادية الخاصة
ACABA SPECIAL ECONOMIC ZONE AUTHORITY

سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :
عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

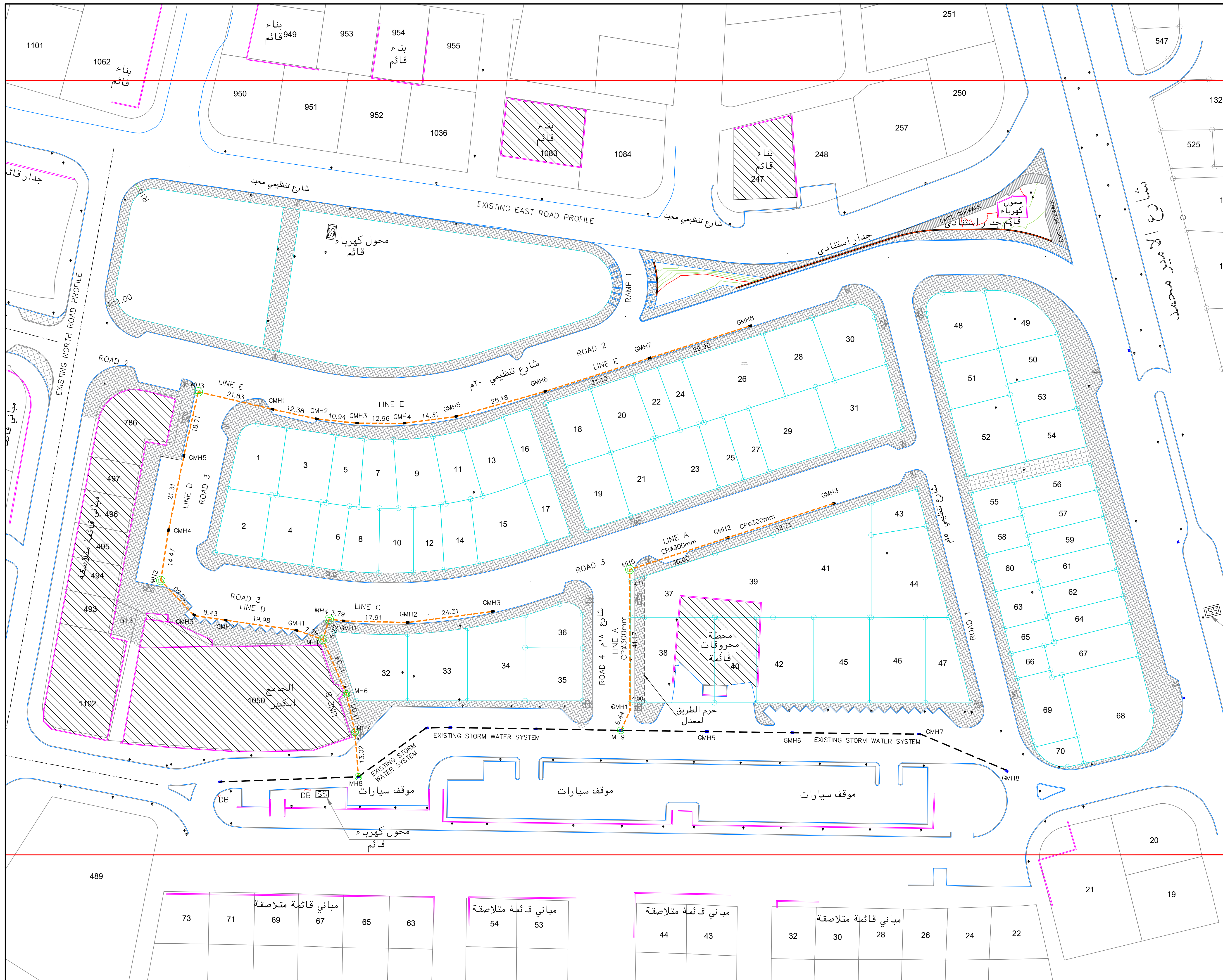
DRAWING NAME :
STORM WATER SYSTEM

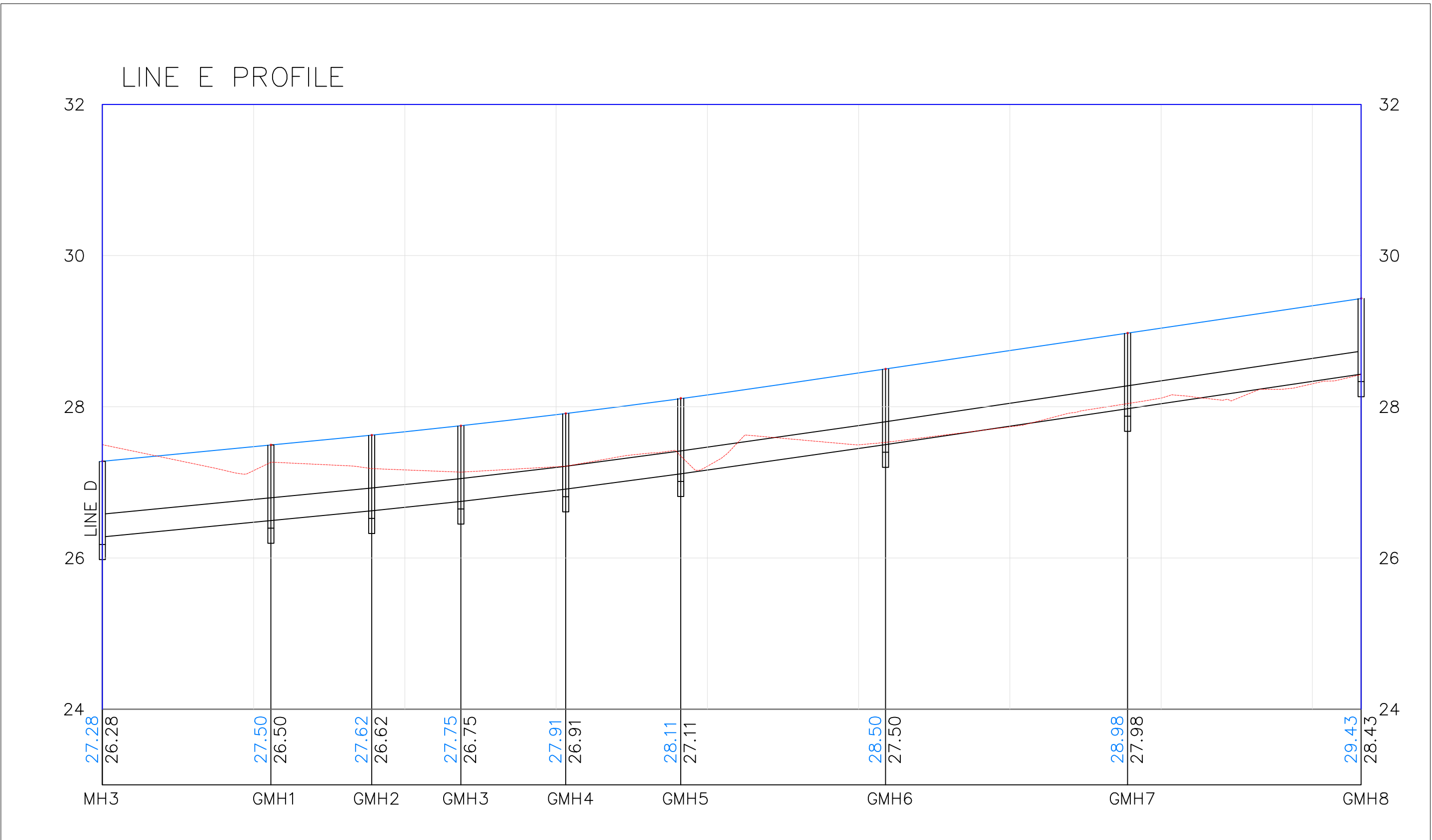
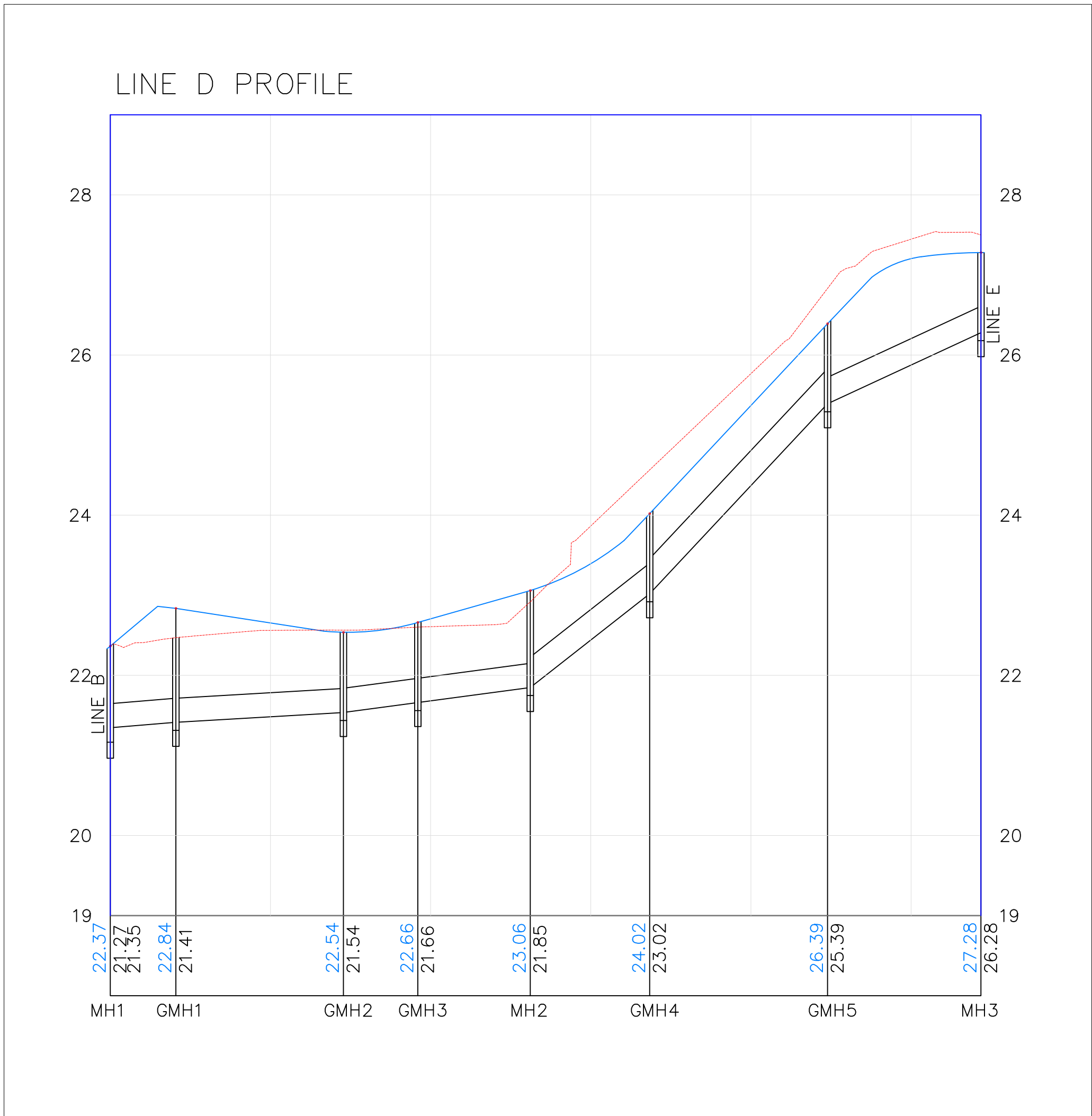
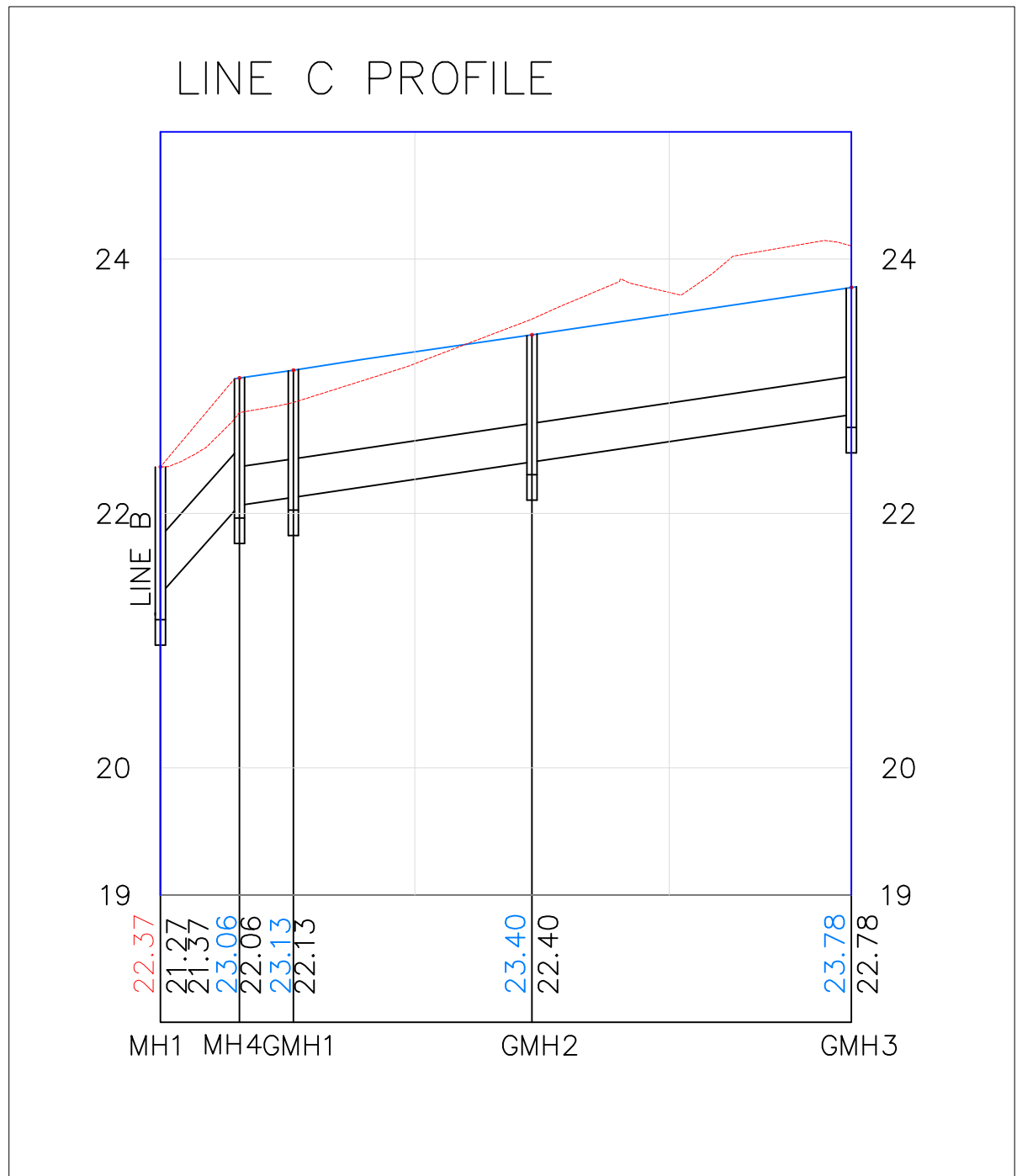
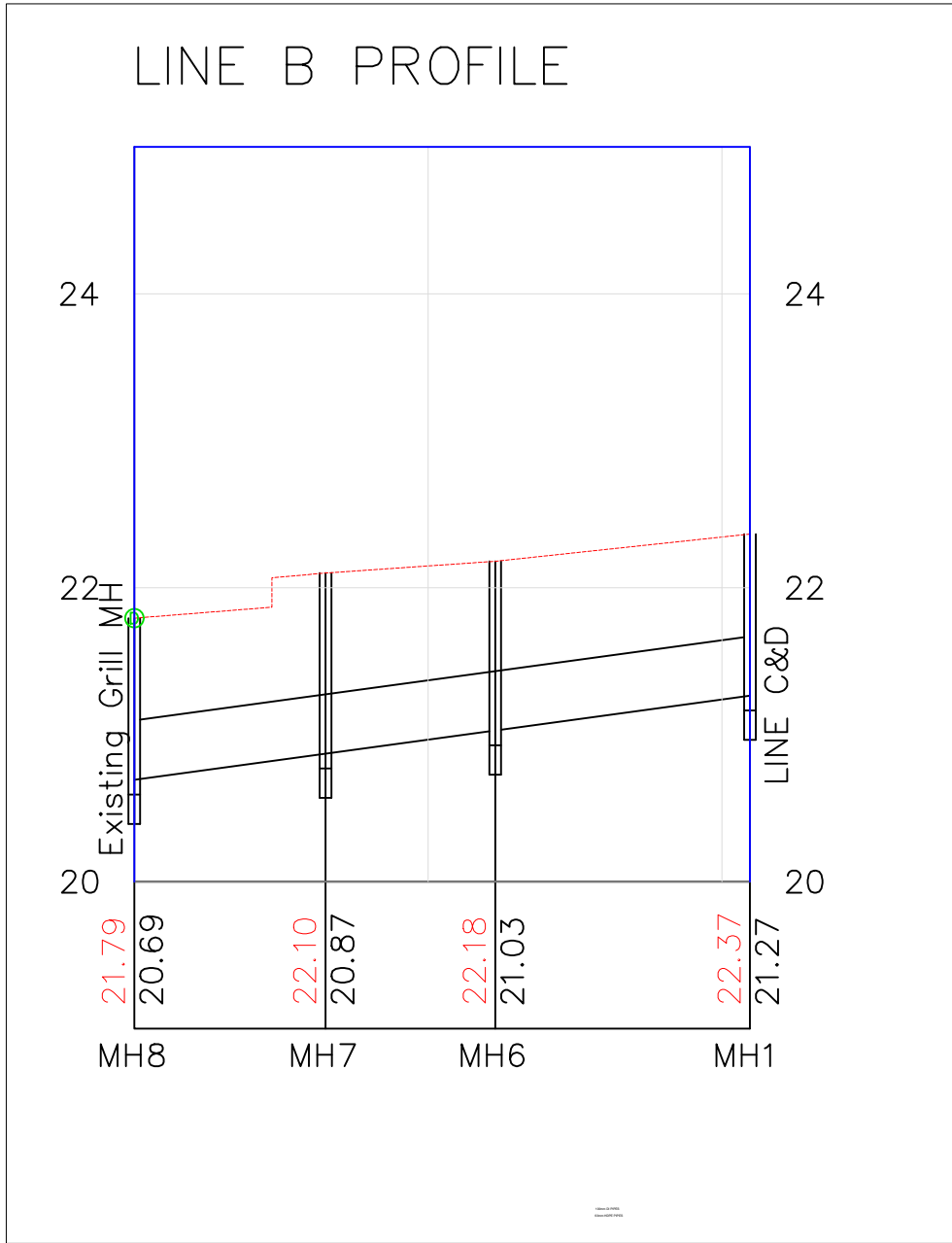
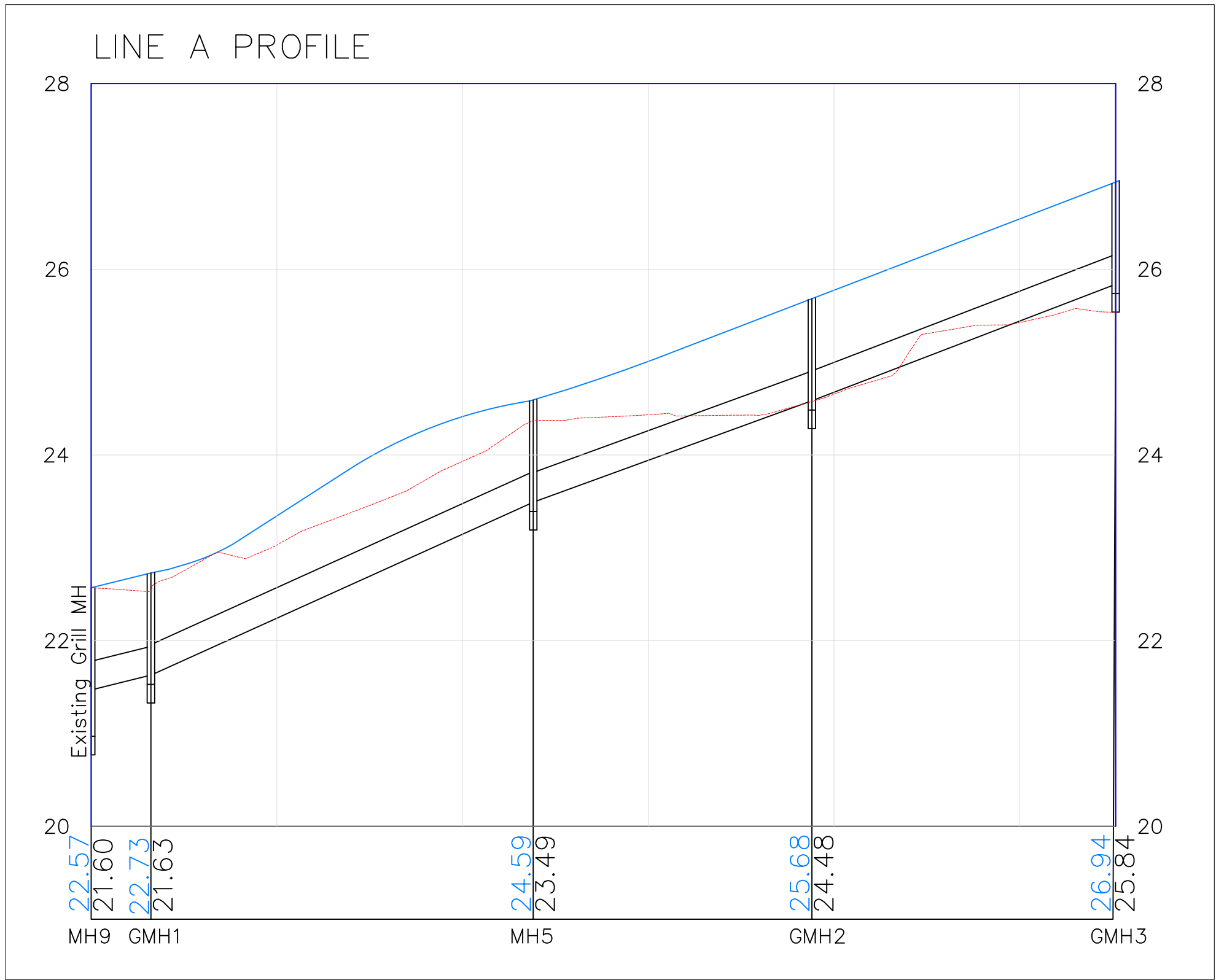
Prepared By :
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DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/1000 SHEET SIZE: A1

LOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C23	A-3





NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO. DATE DESCRIPTION

KEY PLAN



سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

STORM WATER SYSTEM

Prepared By :

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DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	
SCALE: 1/750		SHEET SIZE: A1
PLOT NO.	BASIN NO.	CAD FILE
--	9 ALJAME'	SER_DC_X.REF_348
ISSUE DATE	PROJECT NO.	DRAWING NO.
MAR.2026	348	C24
		REV.
		A-3

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO.	DATE	DESCRIPTION
----------	------	-------------

KEY PLAN



PROJECT OWNER :



سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

TRAFFIC SIGNS PLAN
WITH ROAD LINES

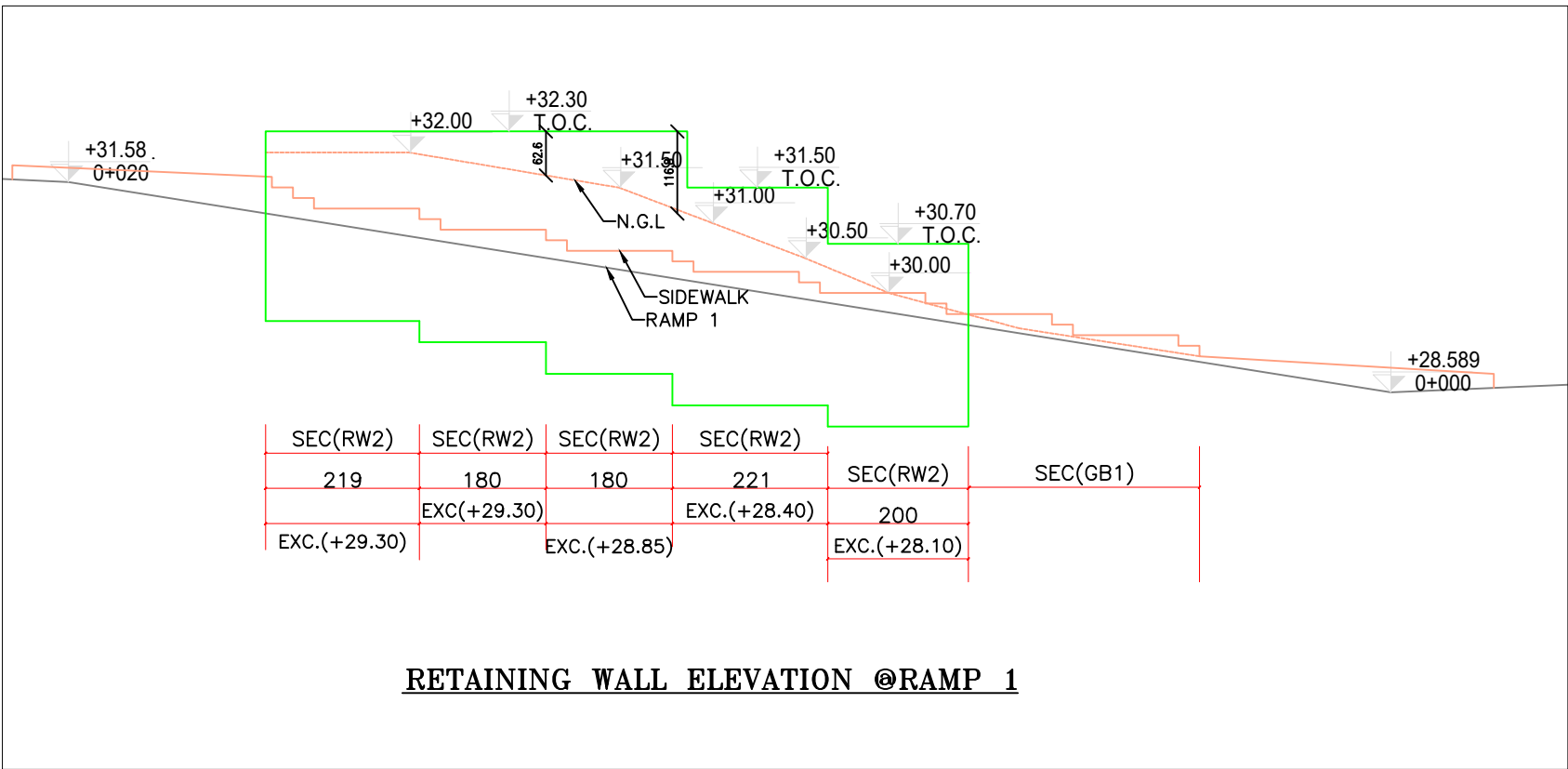
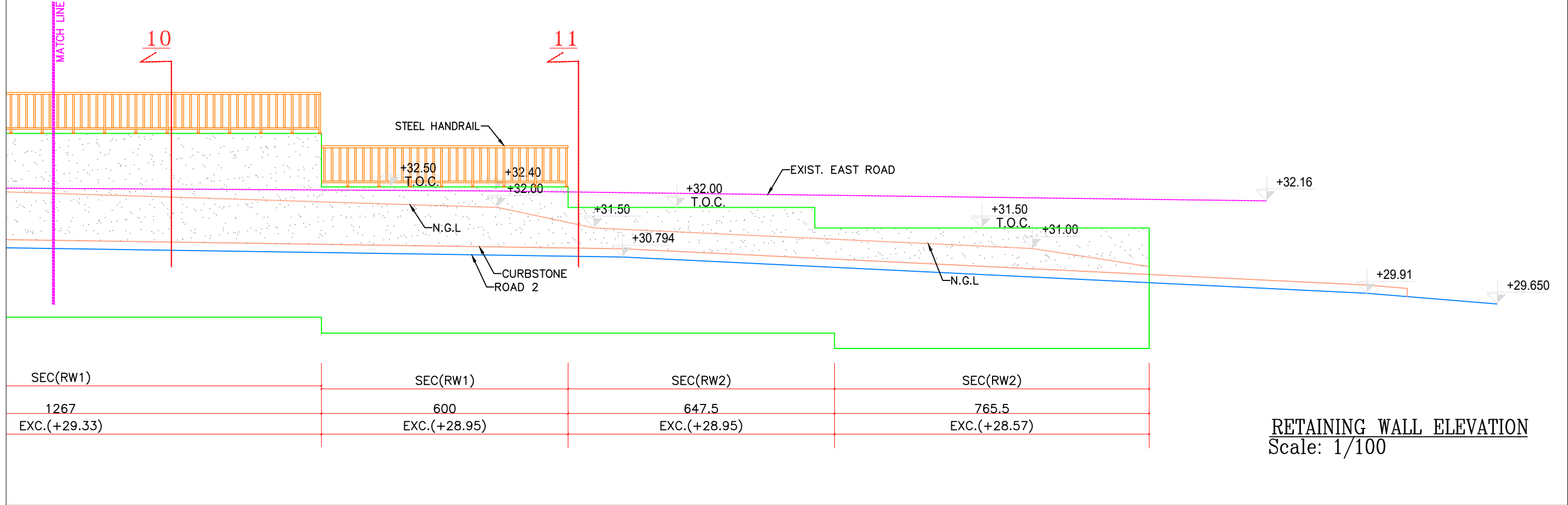
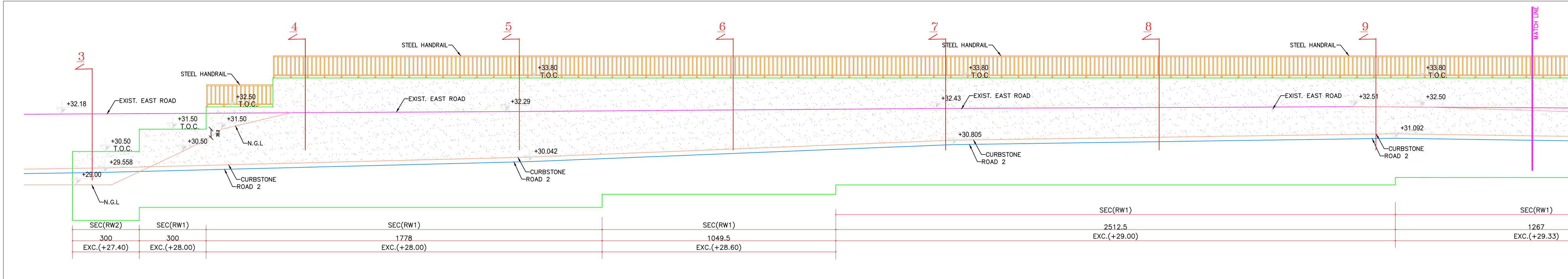
Prepared By :



DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: 1/750 SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C25	A-



NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO.	DATE	DESCRIPTION

KEY PLAN

PROJECT OWNER :
سلطة منطقة العقبة الاقتصادية الخاصة
AQABA SPECIAL ECONOMIC ZONE AUTHORITY

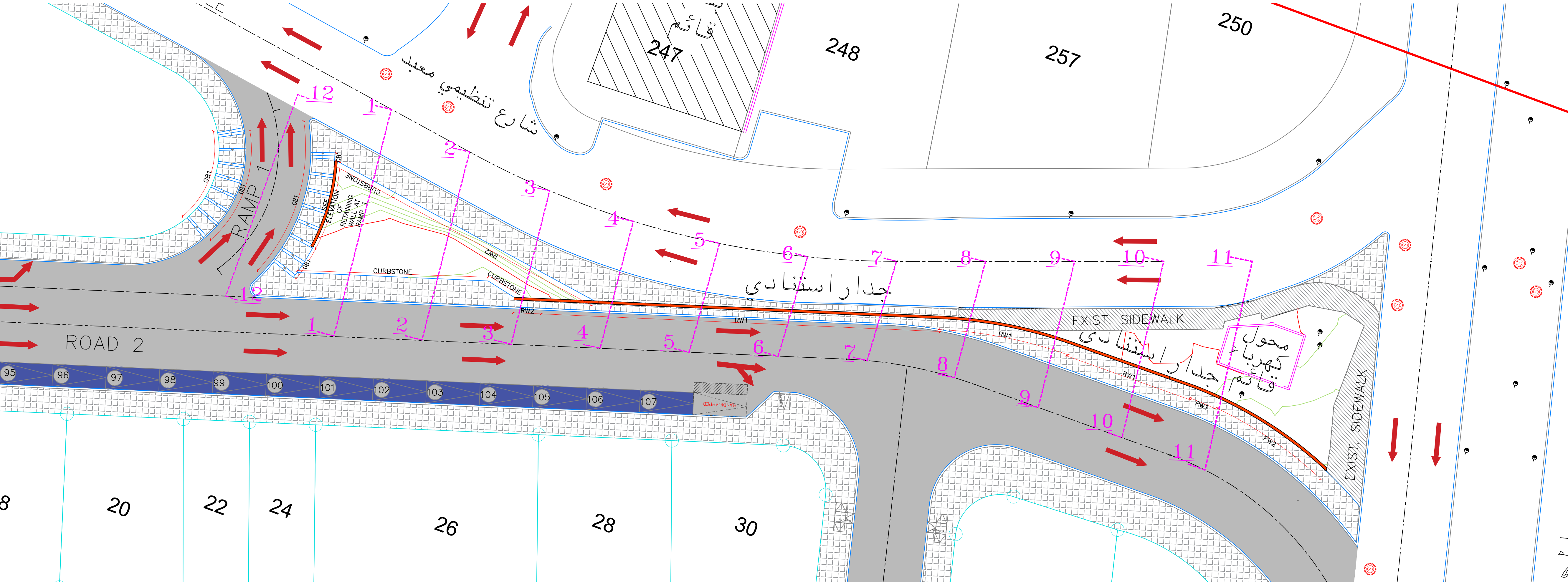
PROJECT NAME :
عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :
RETAINING WALL PLAN AND ELEVATION

Prepared By :
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DRAWN BY	TEAM WORK	

SCALE: 1/250		SHEET SIZE: A1	
PLOT NO.	DASHIN NO.	CAD FILE	
--	9 ALJAME'	SER_DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C27	A-3



General Notes:

FOUNDATION

–Soil Report Information : Soil Test Office : Modern Eng.Laboratories(M.E.L)
Soil Test Report No:SL24145 Soil Test Report Date:23/11/2024

1–FOUNDATION LAYER: It is recommended to lay the foundations within
Silty,Gravely Sand Layer.

2–Depth of Foundation:

–To lay the foundations at the above described foundation layer with
depth not less than (1.50m) from the surrounding ground level.
–After making foundation excavations and before laying foundations it is
recommended to inform the M.E.L office to make site visit and to create
recommendations if needed.

3–Allowable Bearing Pressure: The recommended allowable net B.C.is 205KN/m2.

REINFORCED CONCRETE

The following types of reinforced concrete shall be used :

C10 – Grade 10 for plain (lean) concrete .

C15 – Grade 15 for Blinding .

C20 – Grade 20 for or 10cm slab of walkway .

C25 –Grade 25 for reinforced concrete slope protection.

C30 –Grade 30 for all reinforced concrete in retaining walls.

Characteristic Strength as defined by a 150 mm
cube at age of 28 days shall be:

C10 – 10 MPa C20 – 20 MPa C25 – 25 MPa

C15 – 15 MPa C30 – 30 MPa

REINFORCING STEEL

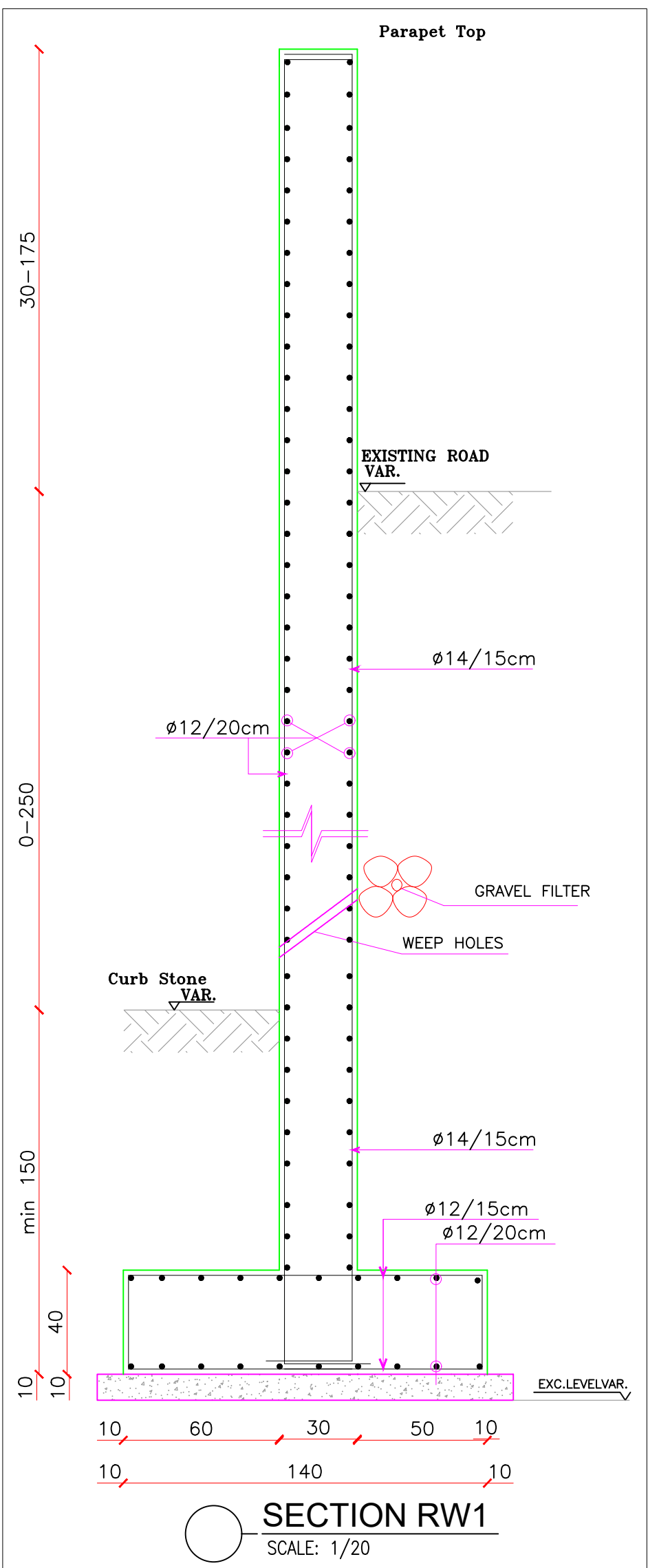
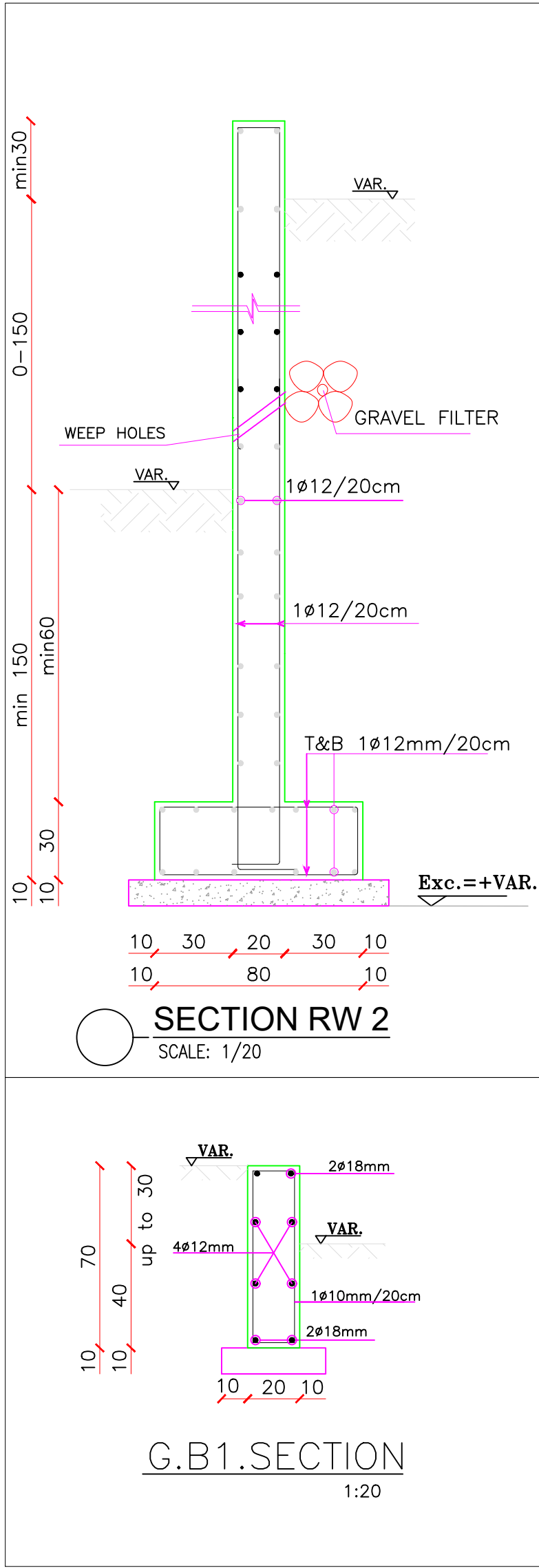
1–All R.Steel bars shall be deformed ,high yield strength
bars with $F_y=420\text{MPa}$. Except $\varnothing 8$.

2– R.Steel bars $\varnothing 8$ shall be mild steel strength

Concrete Cover:

40 mm for exposed side of retaining walls.

50 mm for not exposed side of retaining walls.



ملاحظات عامة بما يخص تنفيذ الجدران

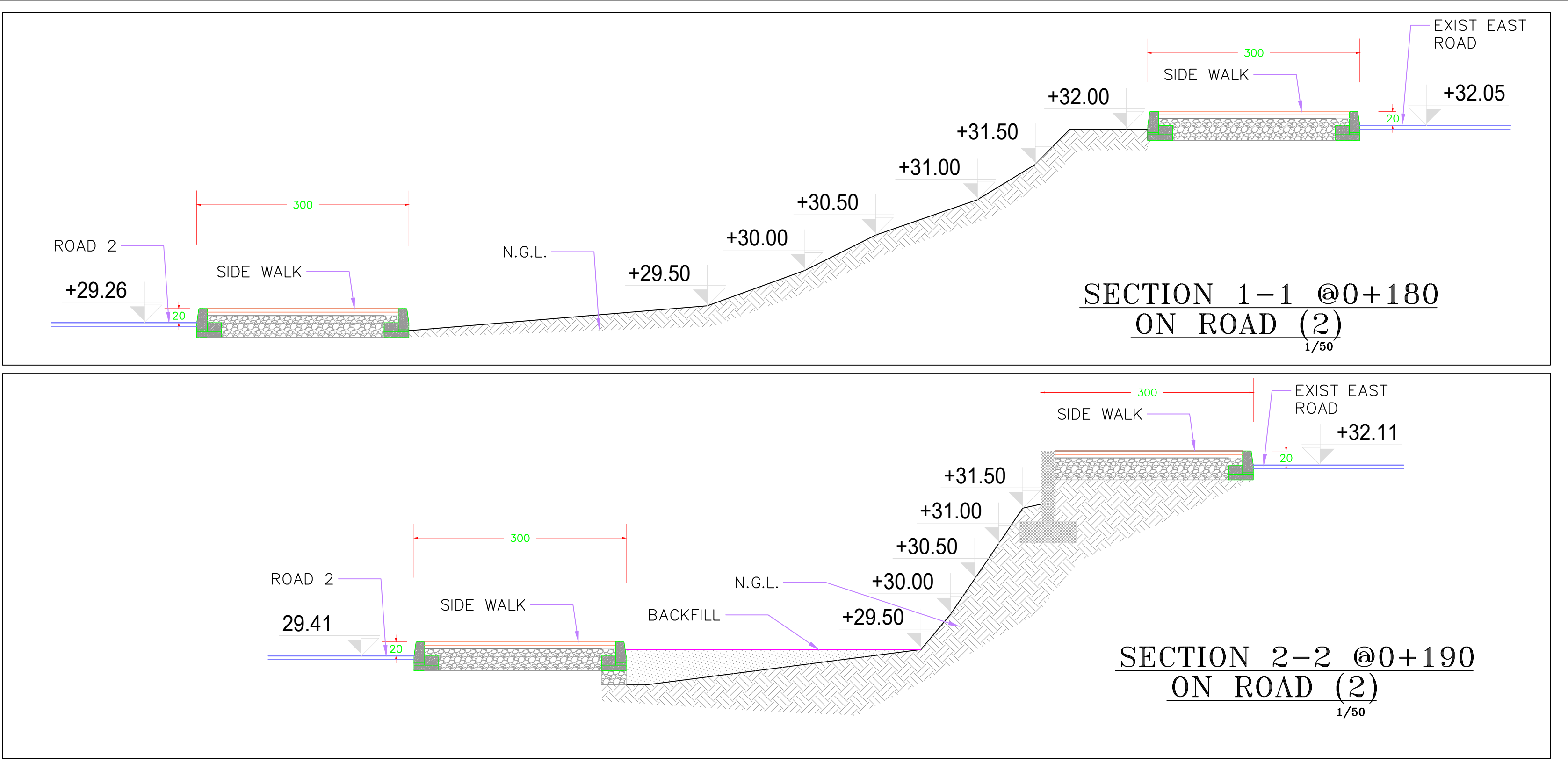
في حالة عدم تطابق نوعية الحفر مع الواقع بعد اعمال الحفريات واضطلاع
مهندس التربة يجب مراجعة المهندس المصمم (المكتب الهندسي) لمراجعة

NOTE: 3cm EXPANSION JOINT BE
PROVIDED EVERY 20m IN
BOUNDARY RETAINING WALLS

NOTE: THE WEEP HOLES SIZE (4)
inches MUST BE STAGGERED WITH
A VERTICAL AND HORIZONTAL
DISTANCE NOT MORE THAN 1.5m

NOTE: THE BACKFILL BEHIND THE
RETAINING WALL SHOULD NOT
BE PUT BEFORE 28 DAYS OF
CASTING CONCRETE.

NOTE:
 $\phi=(30^\circ)$
 $K_a=(.333)$
 $K_p=(3.0)$
 $f_{cu}=30\text{ mpa}$
 $f_y=420\text{ mpa}$
 $B.C.=205\text{KN/m}^2$
Concret Cover:50mm



NOTES :
–COORDINATES SYSTEM: (JTM)
–ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO.	DATE	DESCRIPTION

KEY PLAN

PROJECT OWNER :



سلطة منطقة العقبة
الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ اعمال تطوير البنية
الحتمية ضمن المنطقة التجارية الثانية
(منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

STRUCURAL GENERAL NOTE
AND
RETAINING WALL SECTIONS

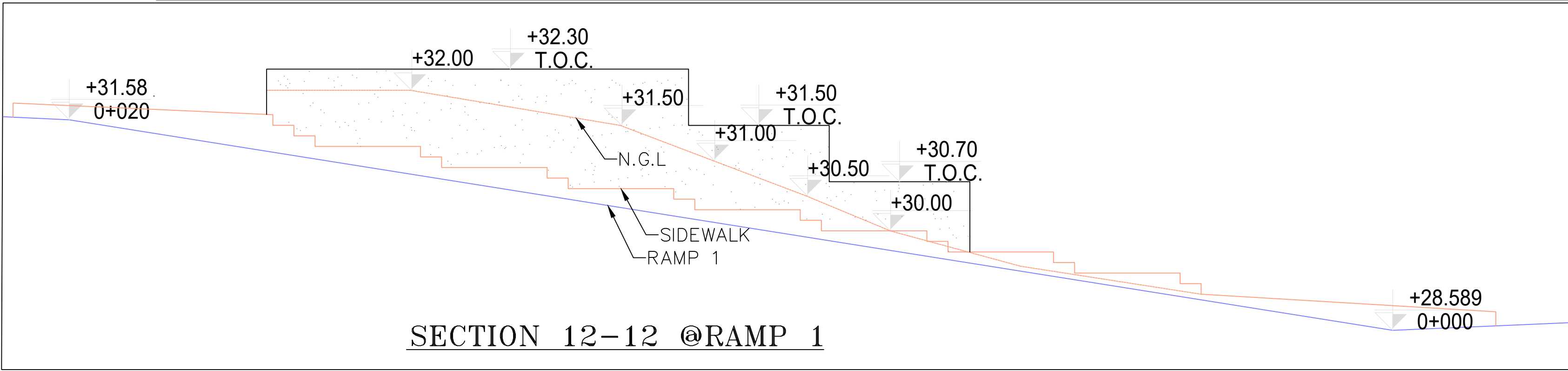
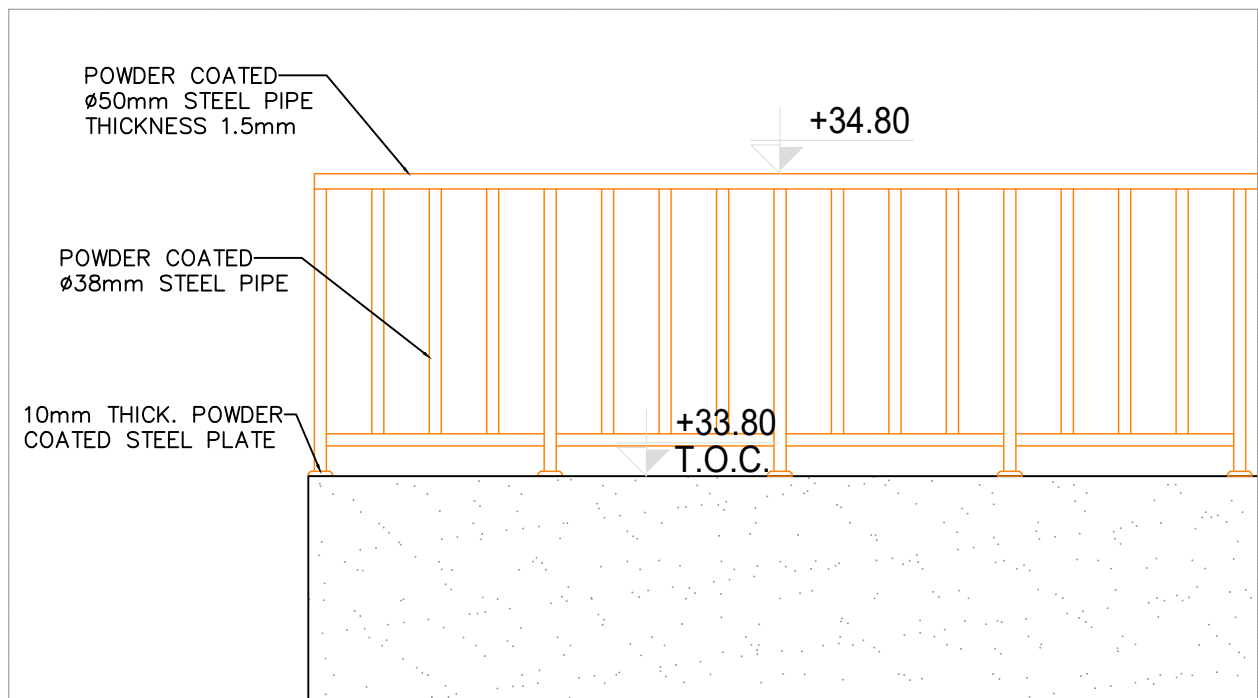
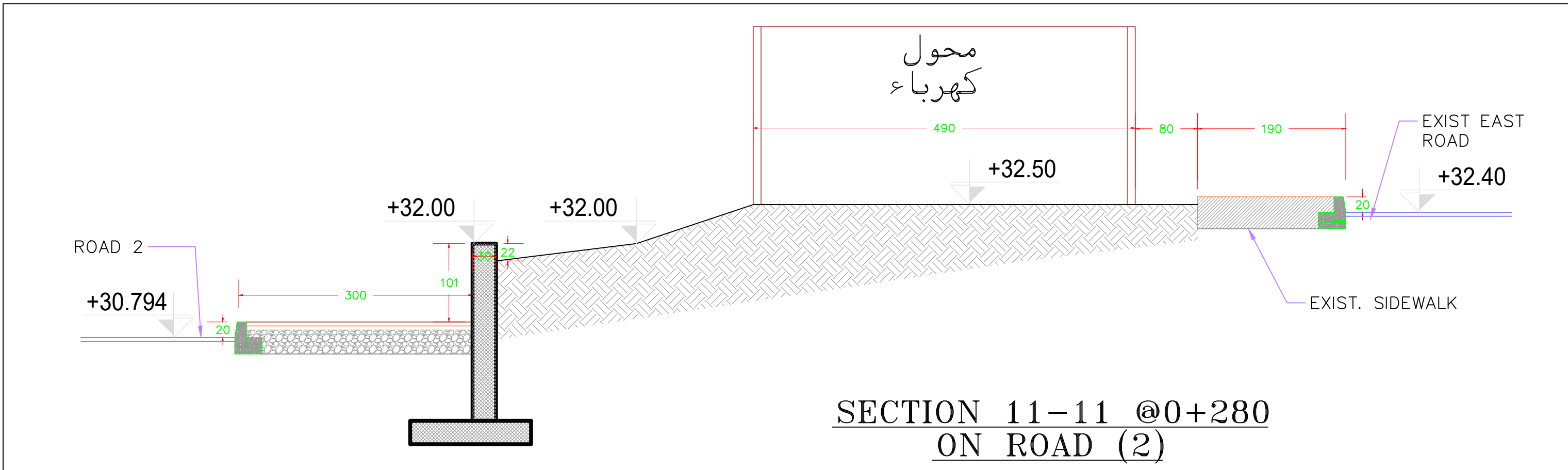
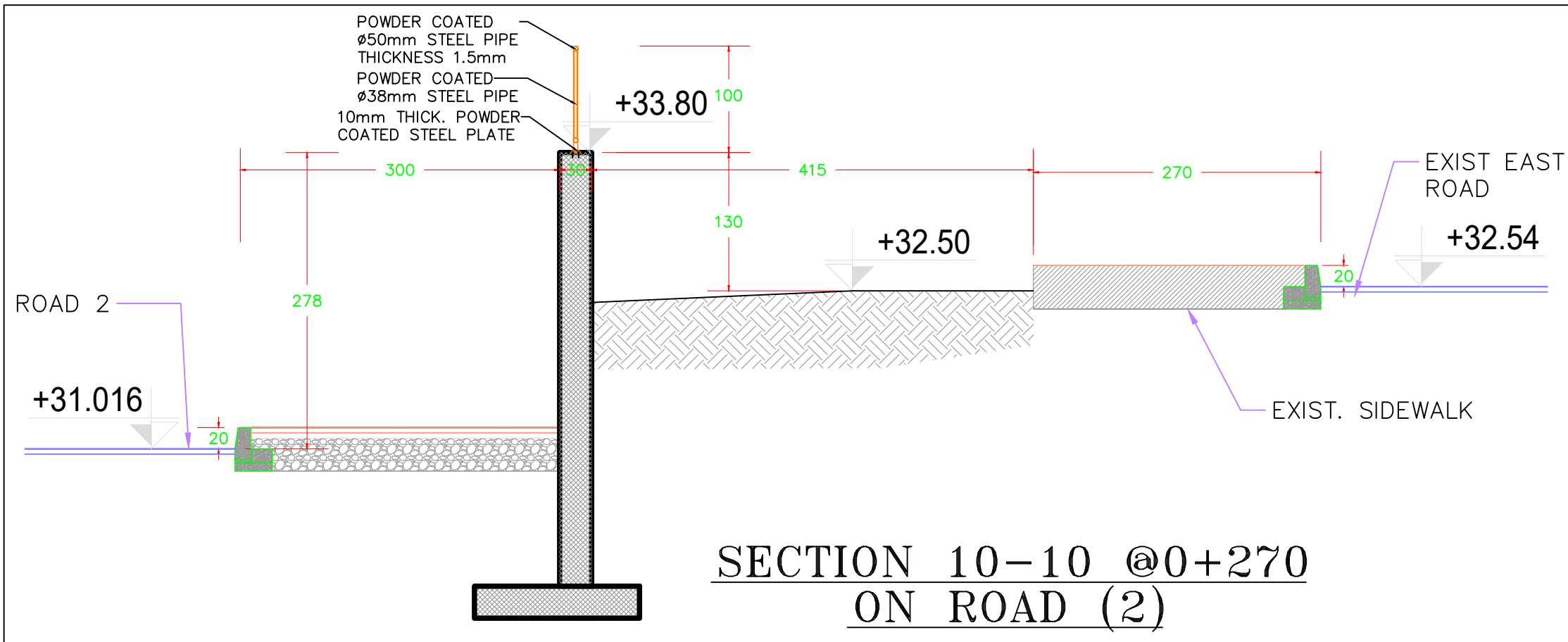
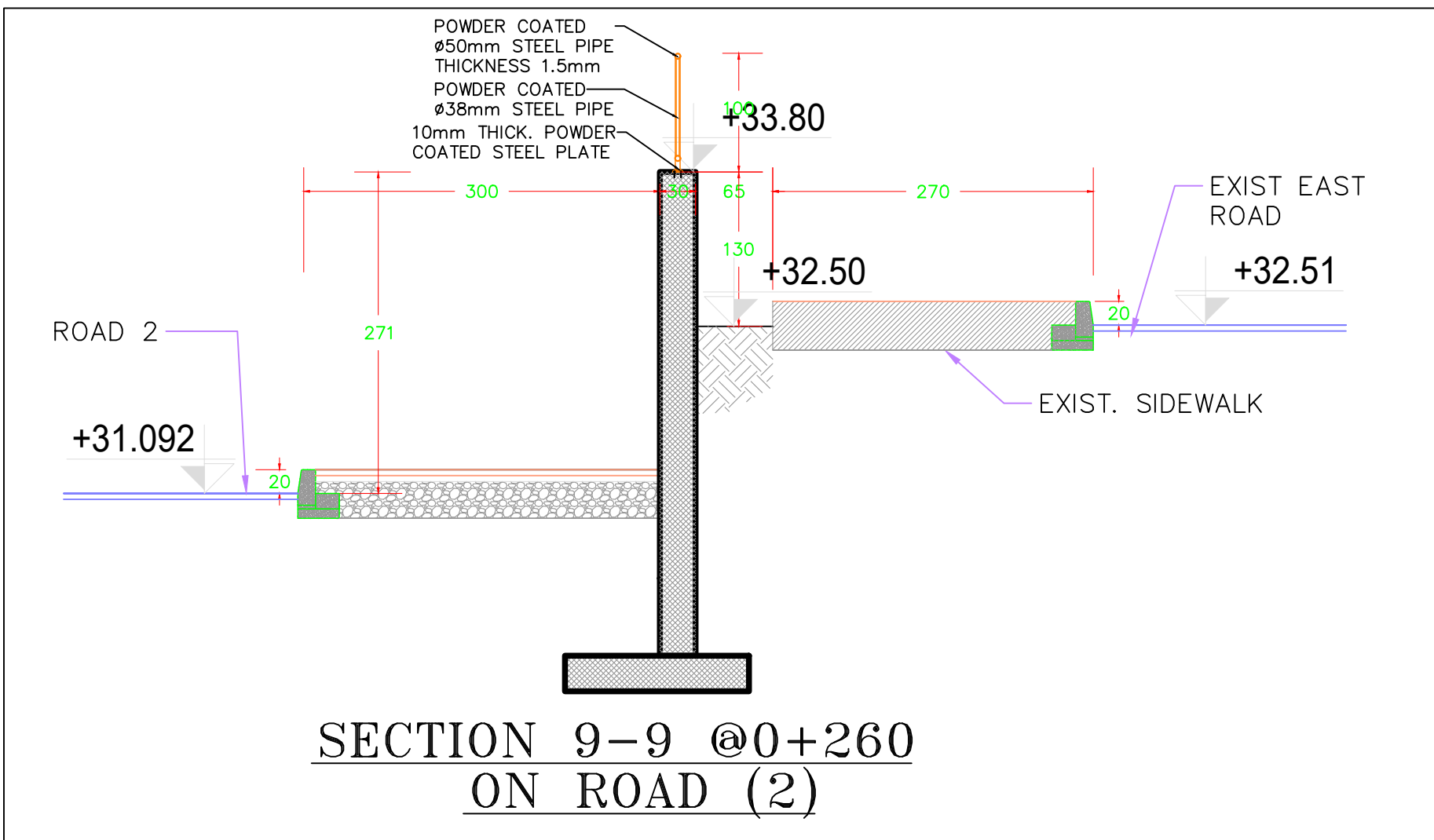
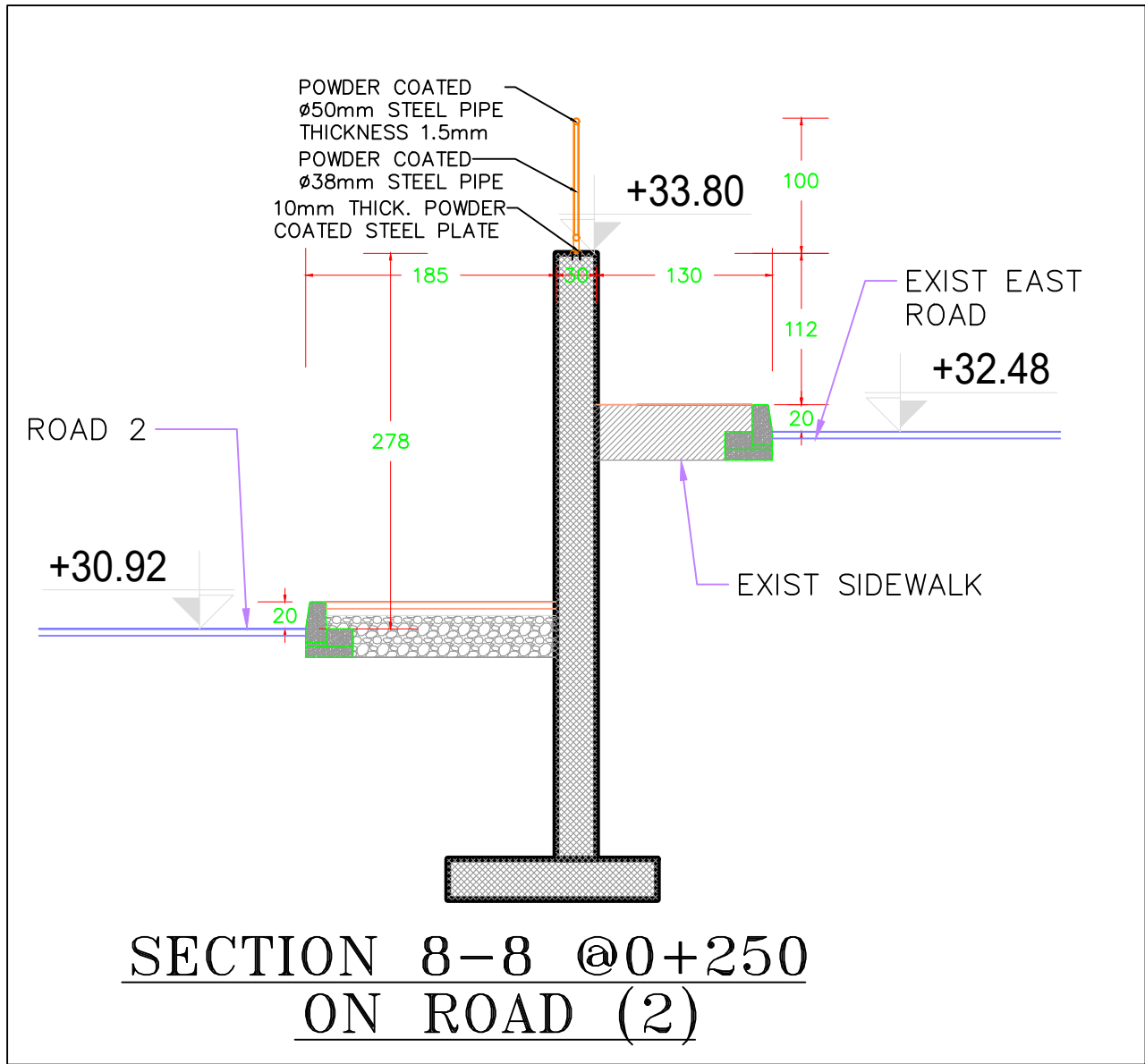
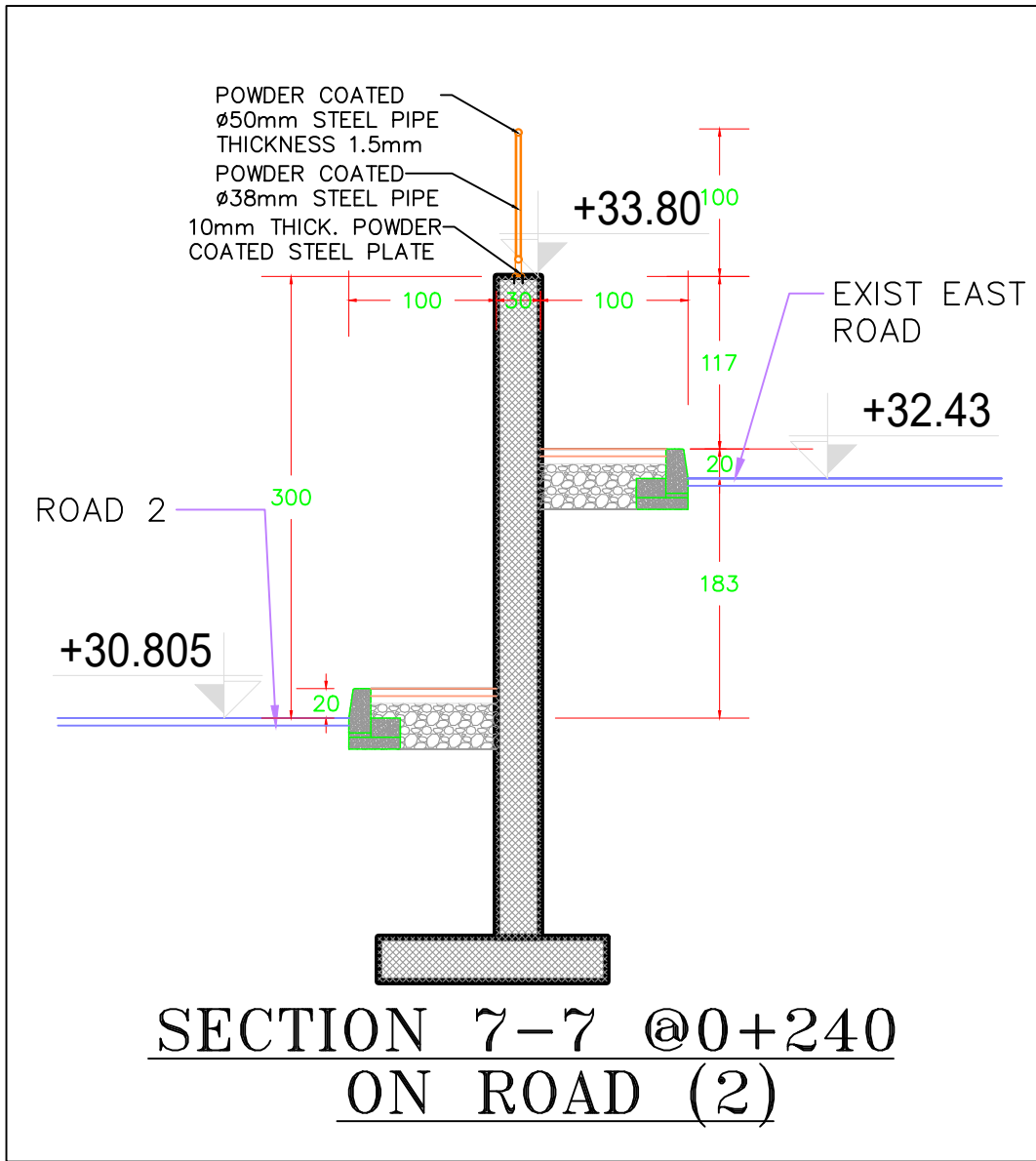
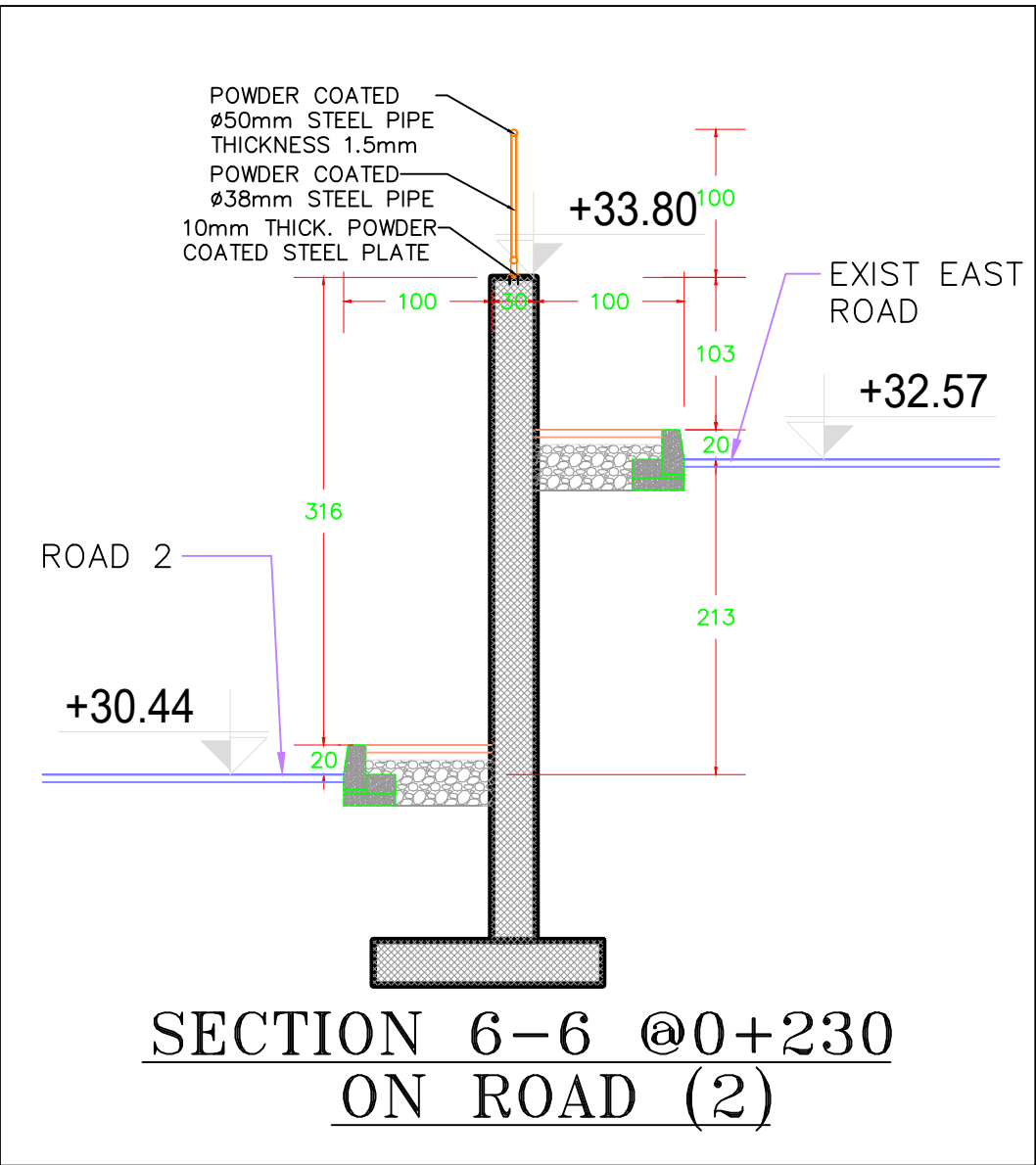
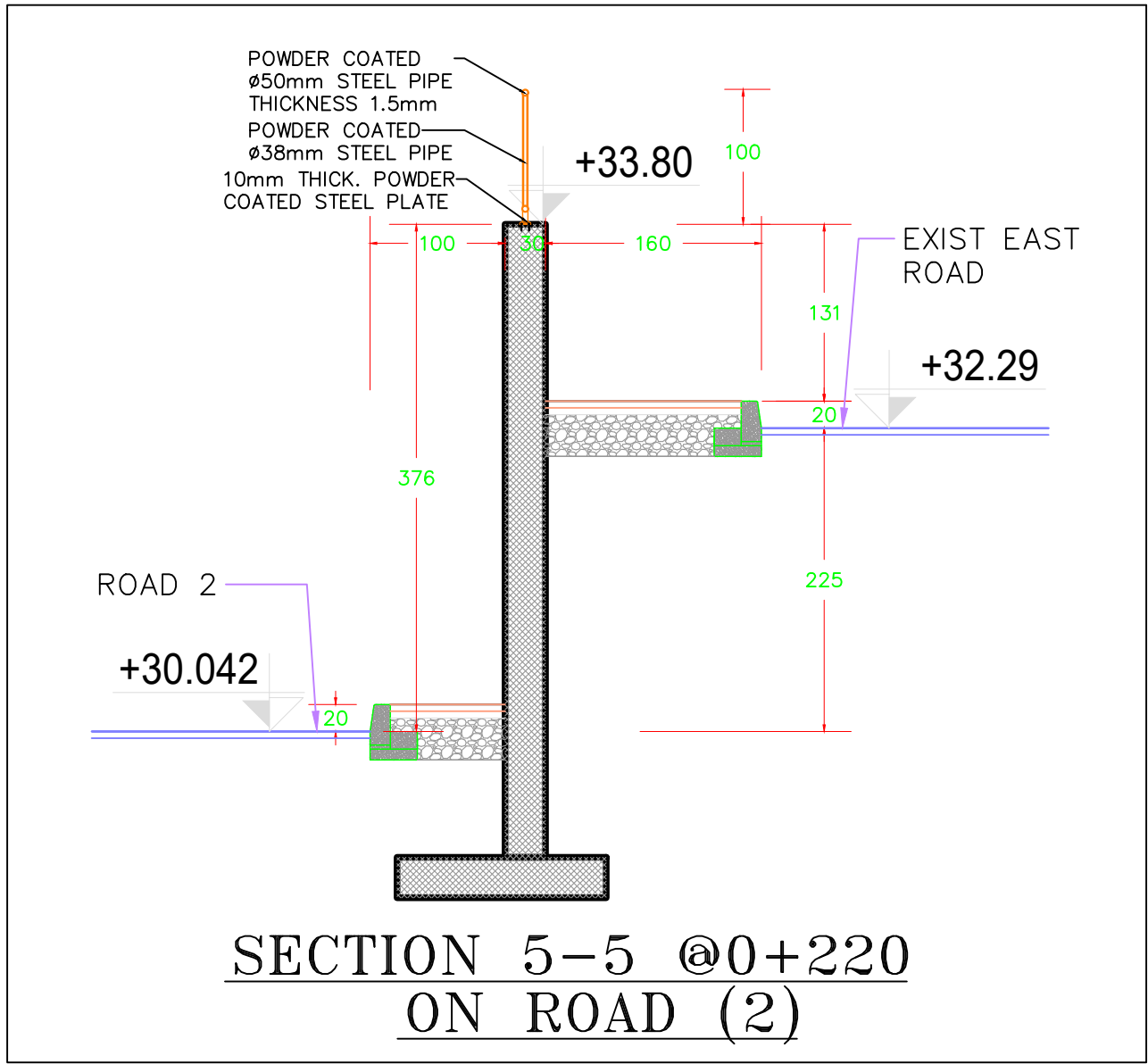
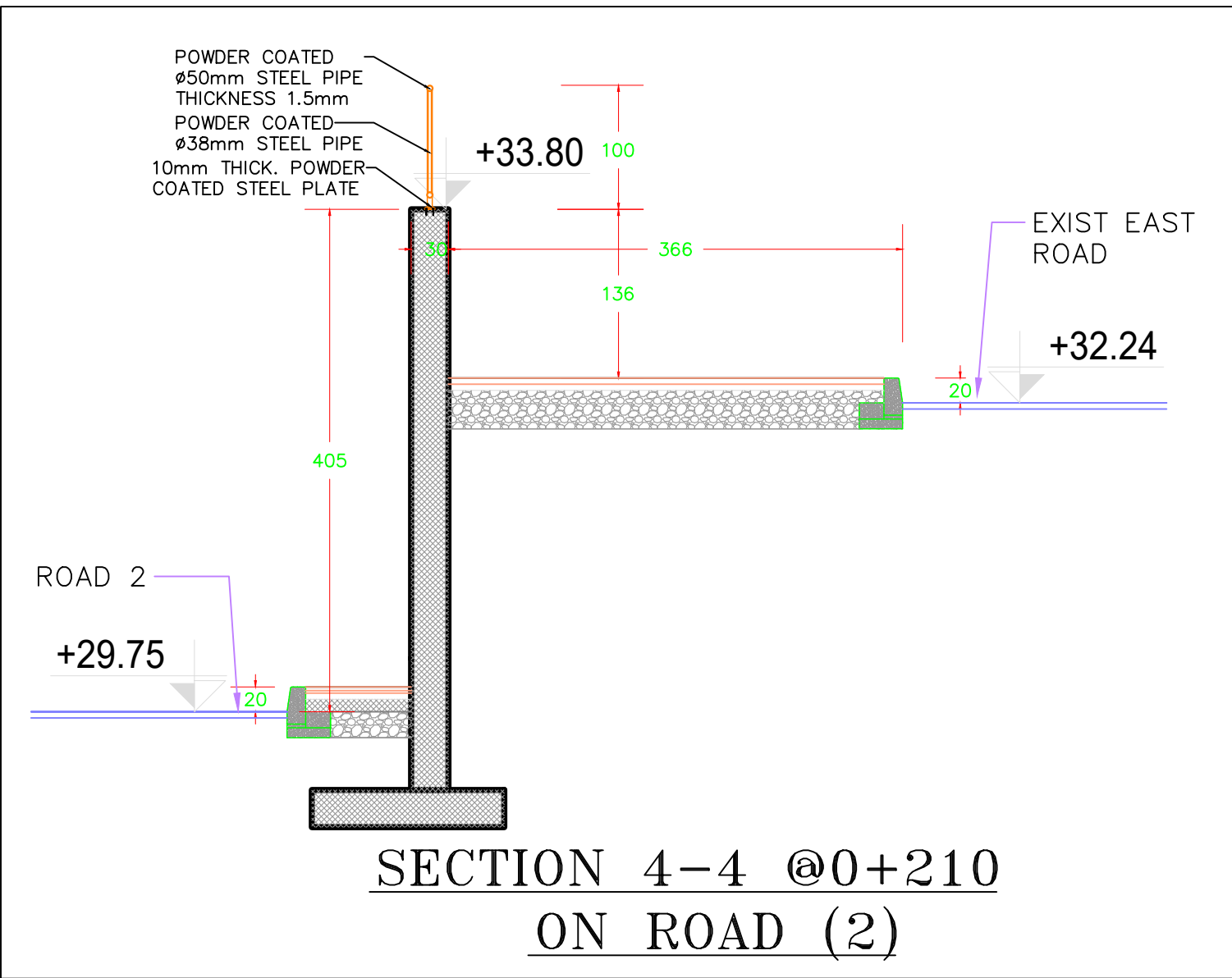
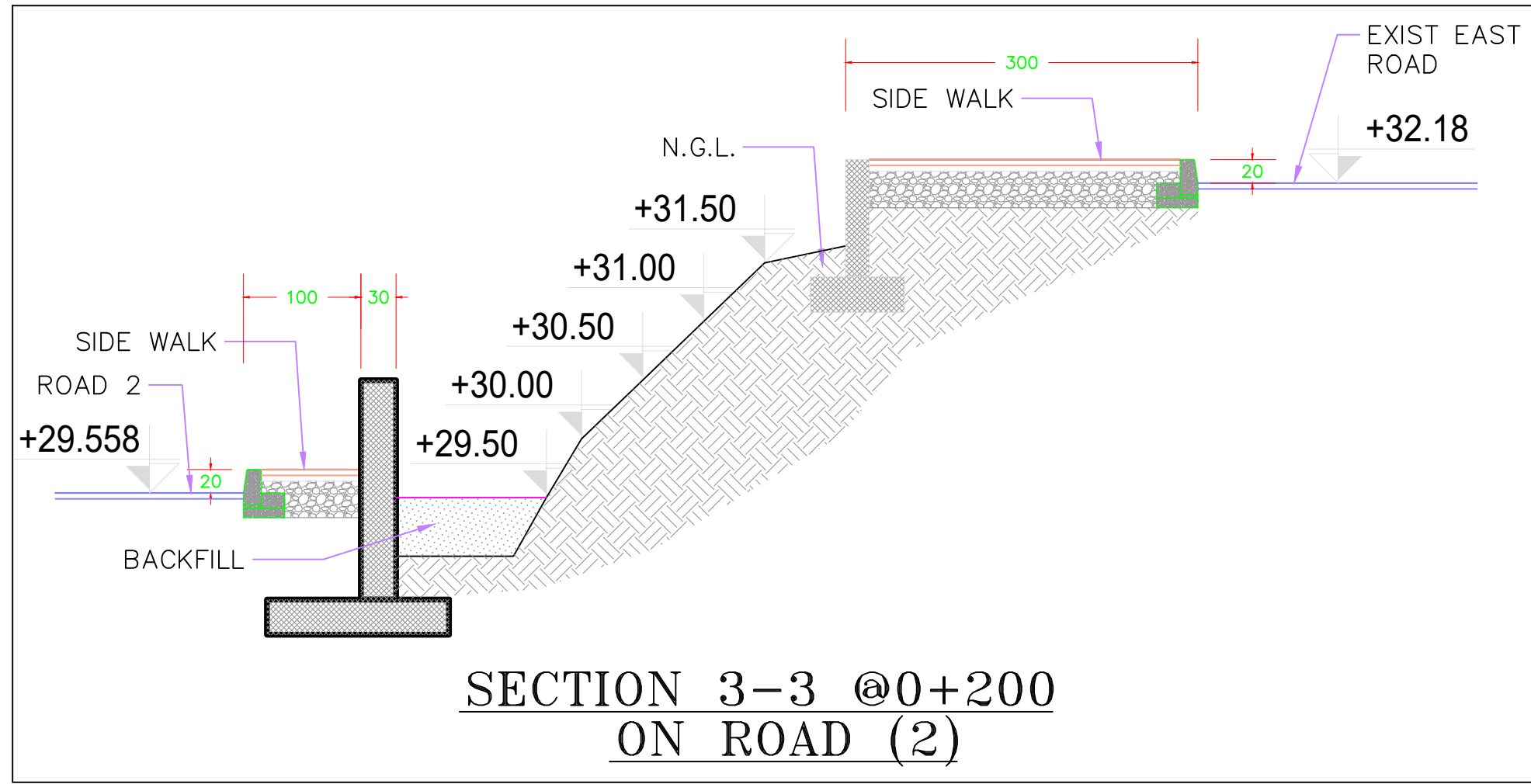
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DESIGNED BY	TEAM WORK	
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DRAWN BY	TEAM WORK	A1

SCALE: SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE
--	9 ALJAME'	SER_DC_X.REF_348
ISSUE DATE	PROJECT NO.	DRAWING NO.
MAR.2026	348	C28
		A-3



NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO.	DATE	DESCRIPTION

KEY PLAN

PROJECT OWNER :
سلطة منطقة العقبة الاقتصادية الخاصة
AQABA SPECIAL ECONOMIC ZONE AUTHORITY

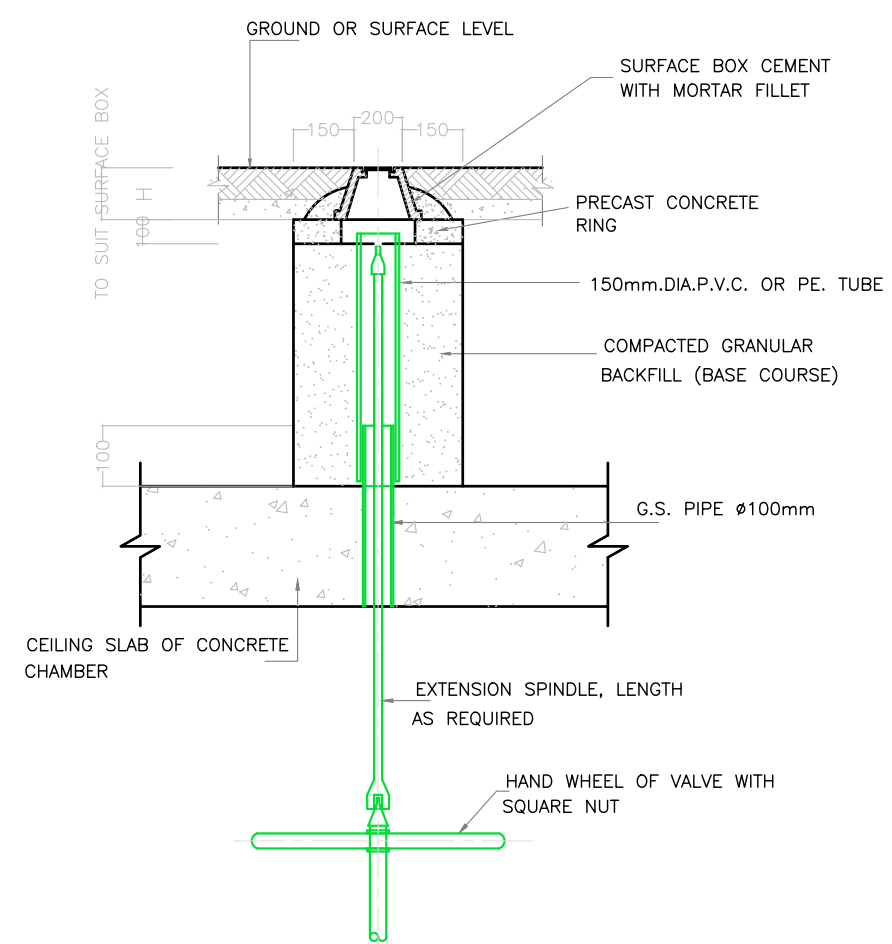
سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :
عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

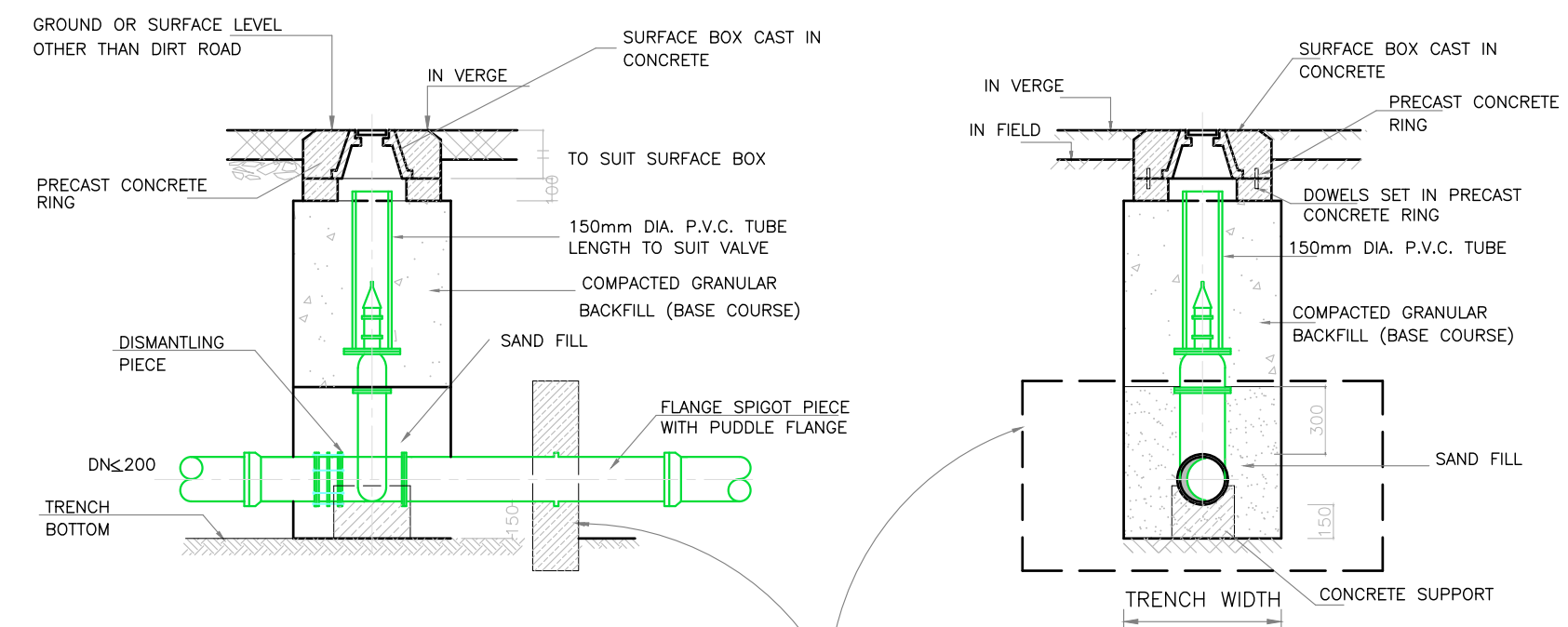
DRAWING NAME :
RETAINING WALL SECTIONS

Prepared By :
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e-mail: ruqn@ruqn.com
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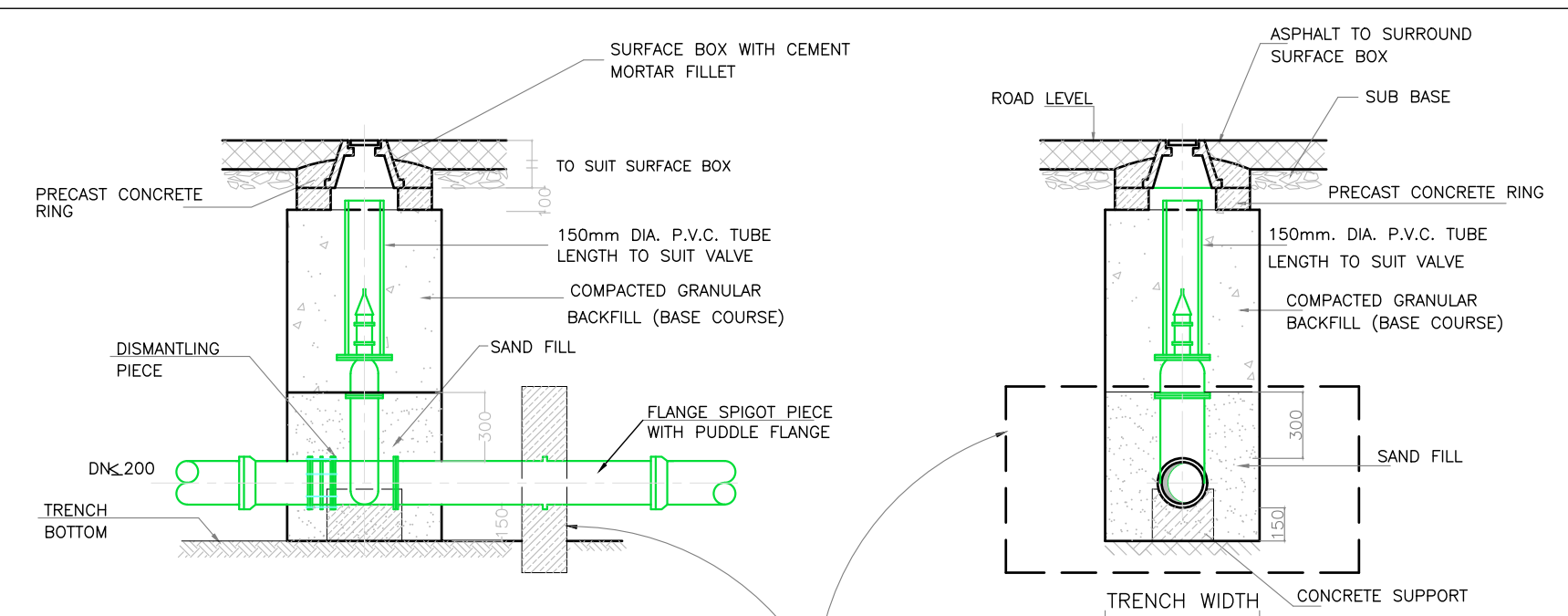
DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	
SCALE: 1/50		SHEET SIZE: A1
PLOT NO.	BASIN NO.	CAD FILE
	9 ALJAME'	SER_DC_X.REF_348
ISSUE DATE	PROJECT NO.	DRAWING NO.
MAR.2026	348	C29
		REV.
		A-3



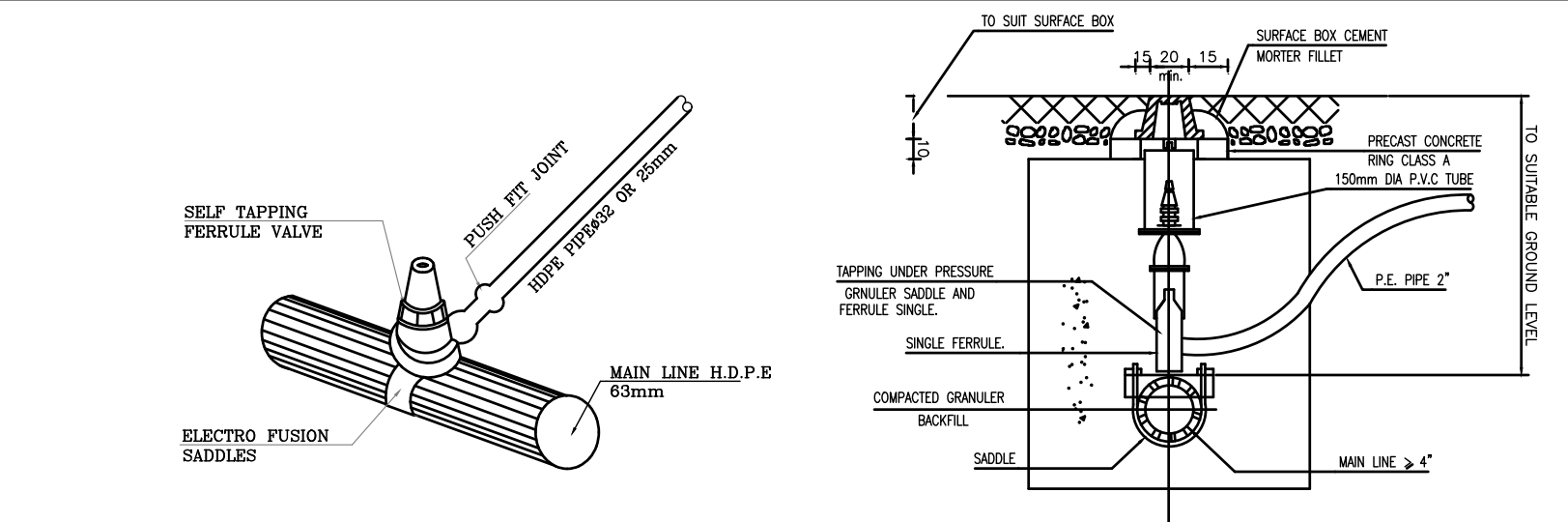
TYPICAL VALVE EXTENSION SPINDLE WITH SURFACE BOX AT VALVE CHAMBERS
NOT TO SCALE



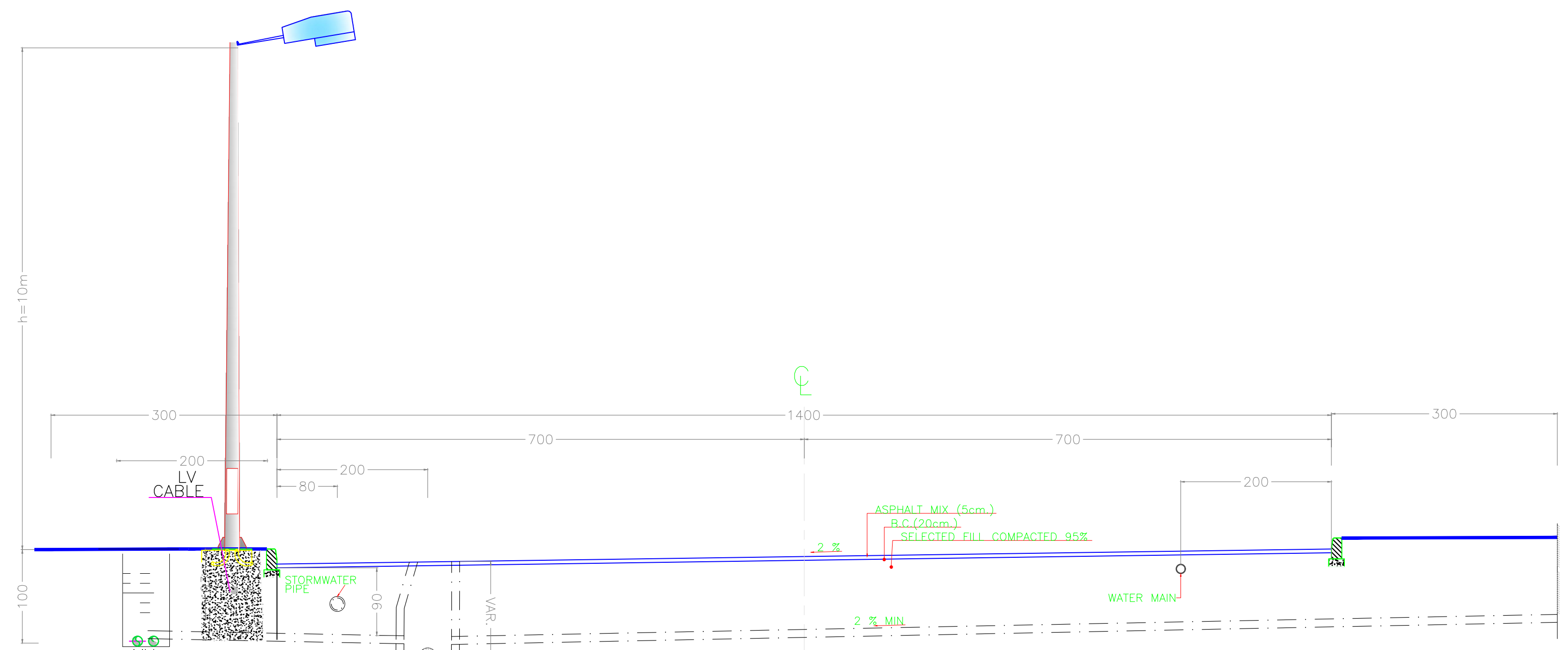
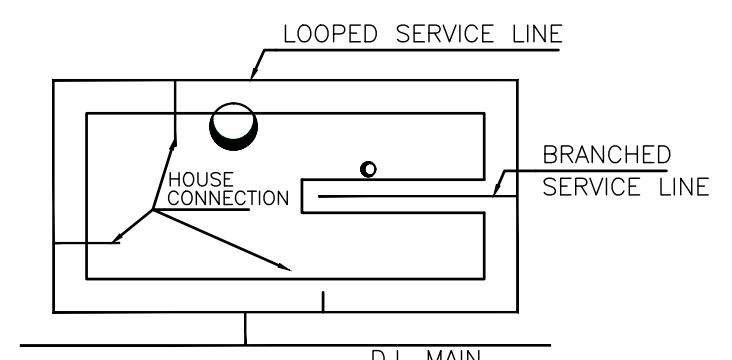
FOR THRUST BLOCKS OF VALVES SEE SEPARATE DETAIL
GATE VALVE IN FIELD OR VERGE FOR DN ≤ 200mm



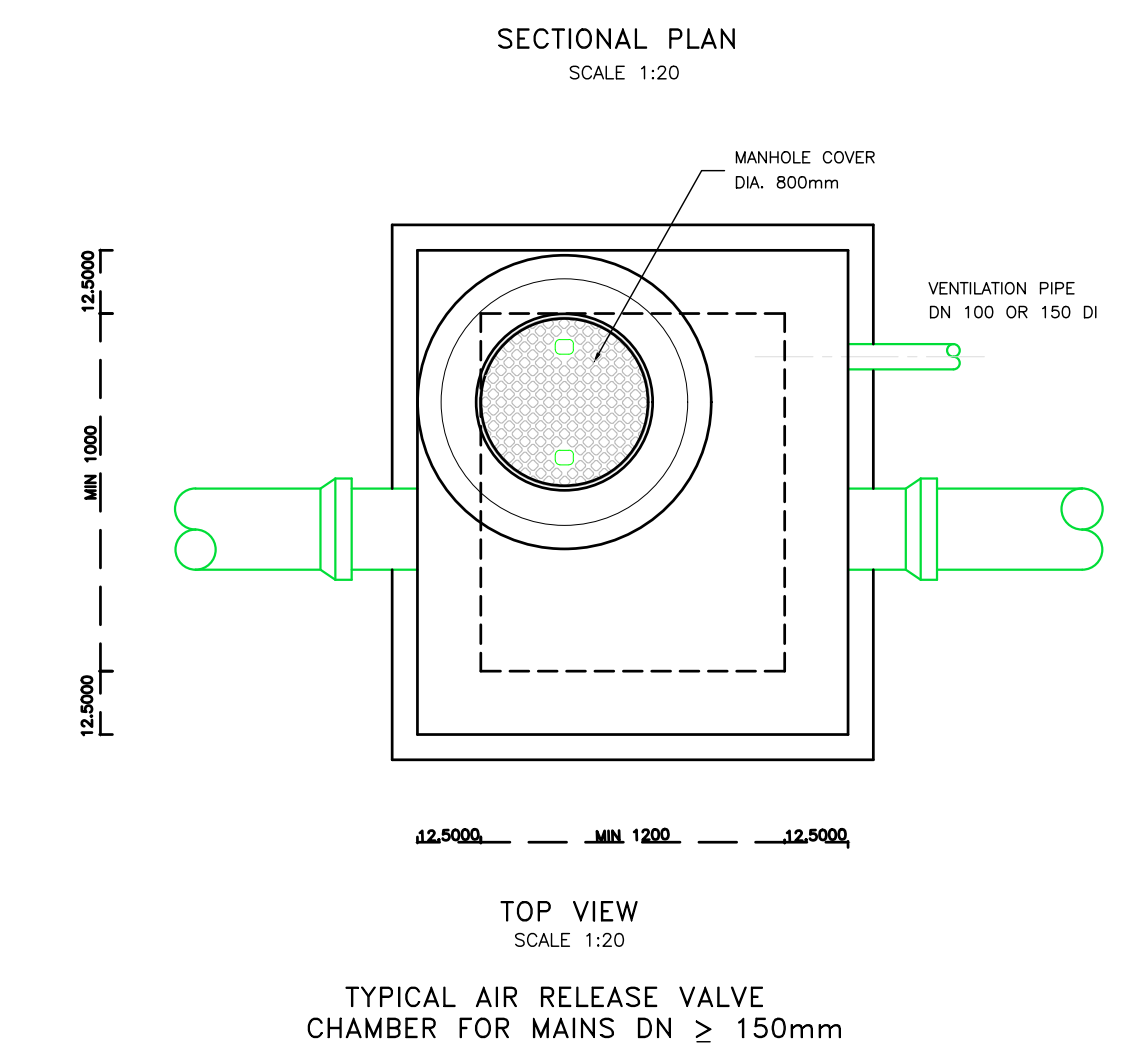
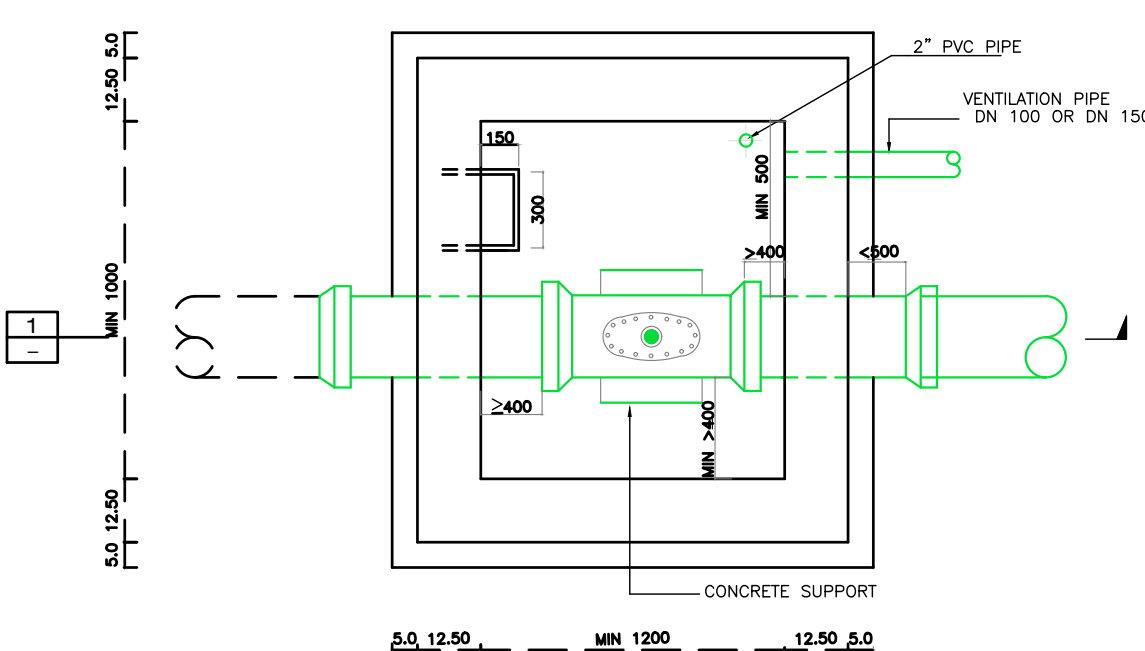
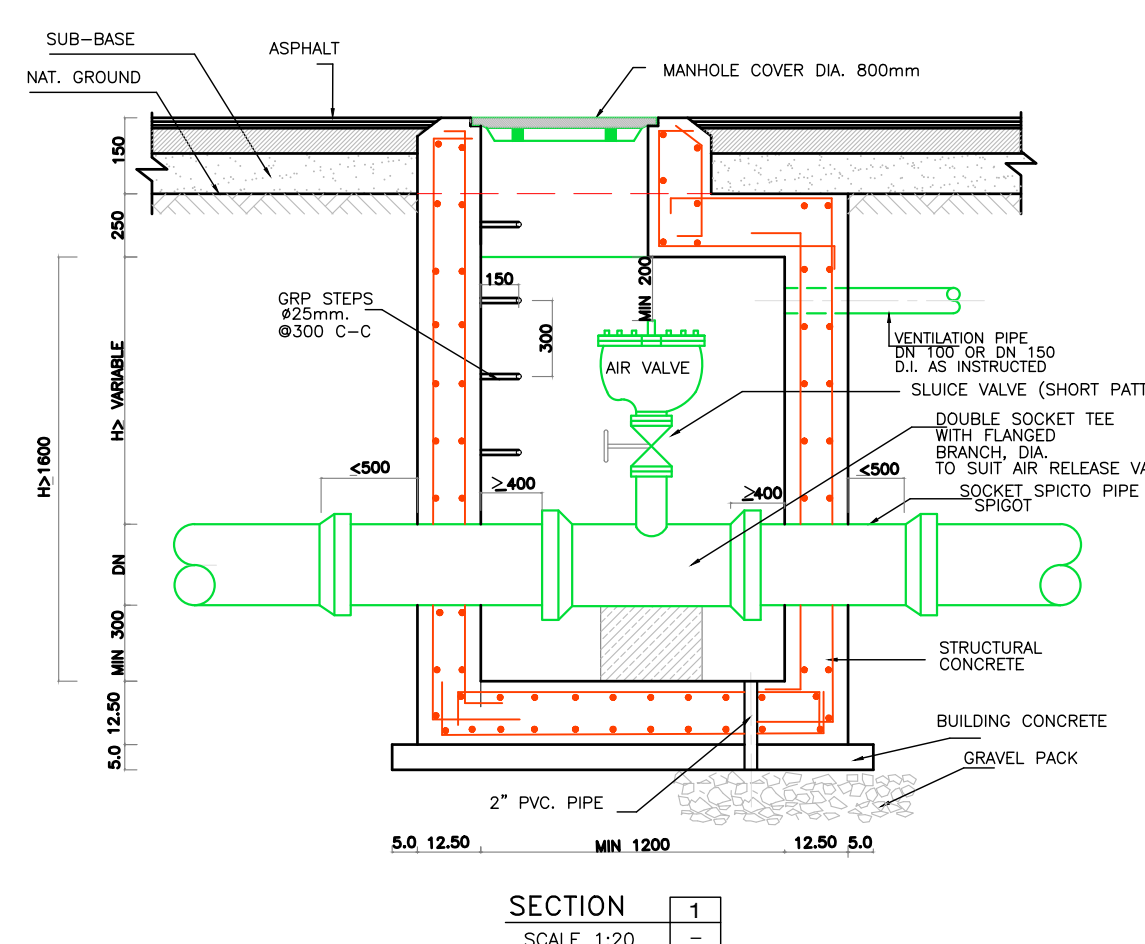
SEE SEPARATE DETAIL OF THRUST BLOCKS FOR VALVES
GATE VALVE IN ROAD FOR DN ≤ 200mm



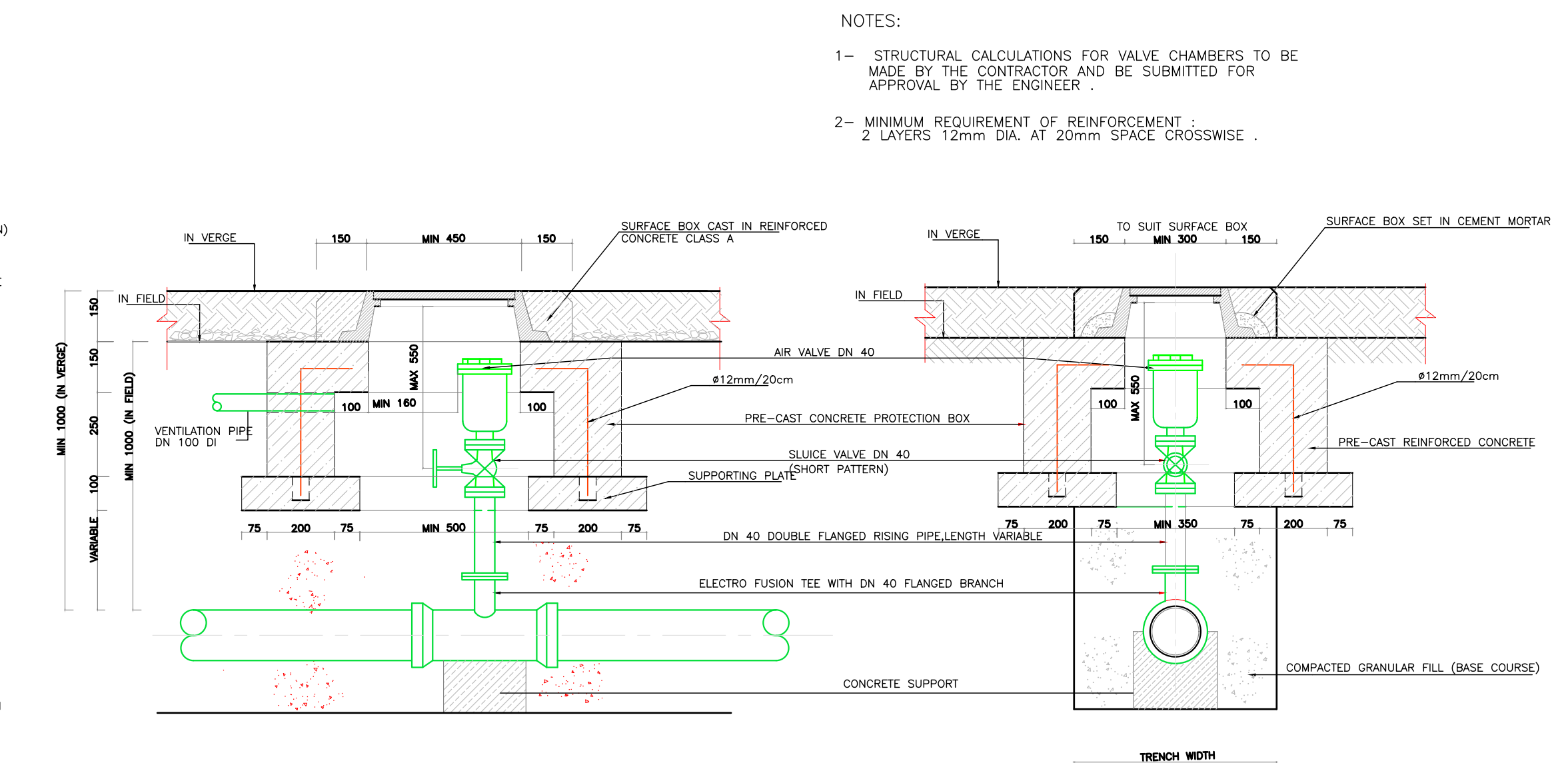
SINGLE OUTLET ELECTRO FUSION SADDLE AND SELF TAPPING FERRULE VALVE TO CONNECT H.D.P.E. ø 32 OR 25mm TO H.D.P.E. ø 125 OR ø 63mm
INSTALLATION OF FERRULE & SADDLE TO CONNECT 2", 1" P.E. SERVICE LINES TO D.I. OR B.S. MAIN LINES (ø ≥ 100mm.)



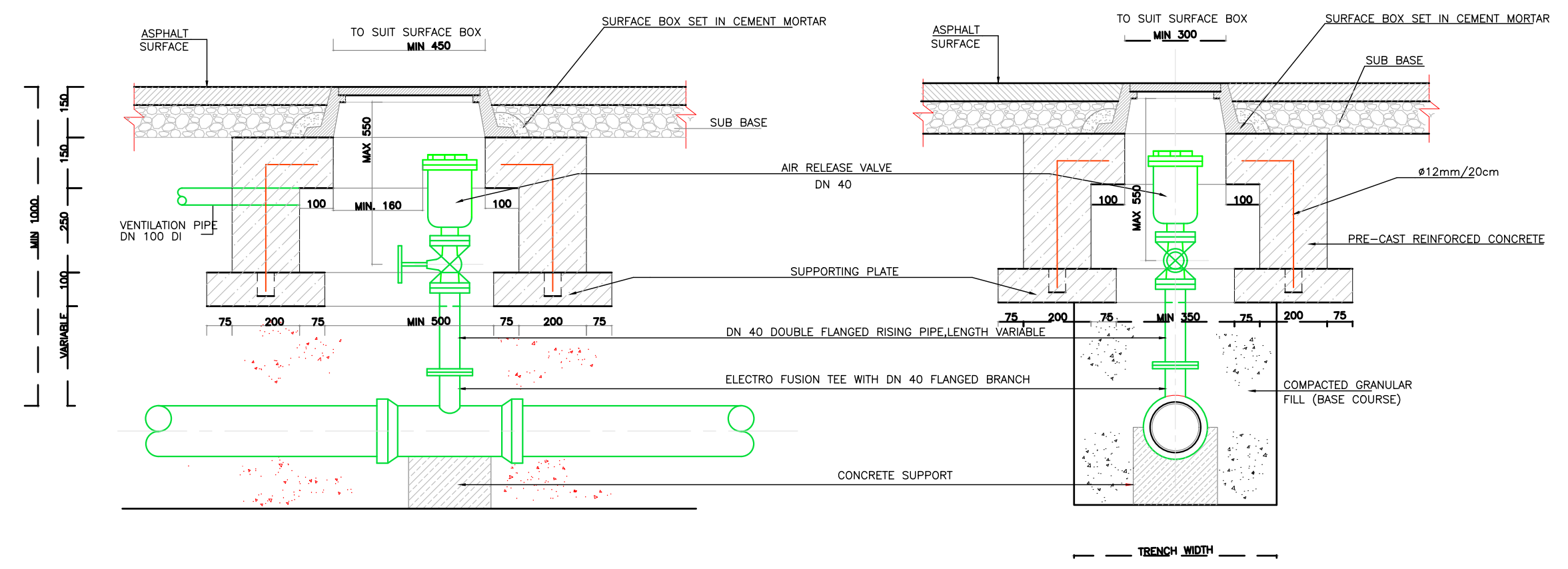
TYPICAL ROAD SECTION (20.00m.)
N.T.S.



TYPICAL AIR RELEASE VALVE CHAMBER FOR MAINS DN ≥ 150mm



AIR RELEASE VALVE IN FIELD OR VERGE FOR HDPE-MAIN LINES DN ≤ 125mm
SCALE 1:10



AIR RELEASE VALVE IN ROADS FOR HDPE-MAIN LINES DN ≤ 100mm
SCALE 1:10

AIR RELEASE VALVE SCHEDULE		
MAIN LINE DN (mm)	AIR RELEASE VALVES ORIFICE DN	TYPE*
100	40	SINGLE
150-200	50	DOUBLE
250-500	80	DOUBLE
600-700	100	DOUBLE
800-900	150	DOUBLE

* NOTE : AIR VALVE TYPE SHALL BE AS INDICATED ON THE PIPELINE PROFILE DRAWINGS

- NOTES:
- STRUCTURAL CALCULATIONS FOR VALVE CHAMBERS TO BE MADE BY THE CONTRACTOR AND BE SUBMITTED FOR APPROVAL BY THE ENGINEER .
 - MINIMUM REQUIREMENT OF REINFORCEMENT : 2 LAYERS 12mm DIA. AT 20mm SPACE CROSSWISE .

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO.	DATE	DESCRIPTION
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KEY PLAN

PROJECT OWNER :
سلطة منطقة العقبة الاقتصادية الخاصة
AQABA SPECIAL ECONOMIC ZONE AUTHORITY

PROJECT NAME :
عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

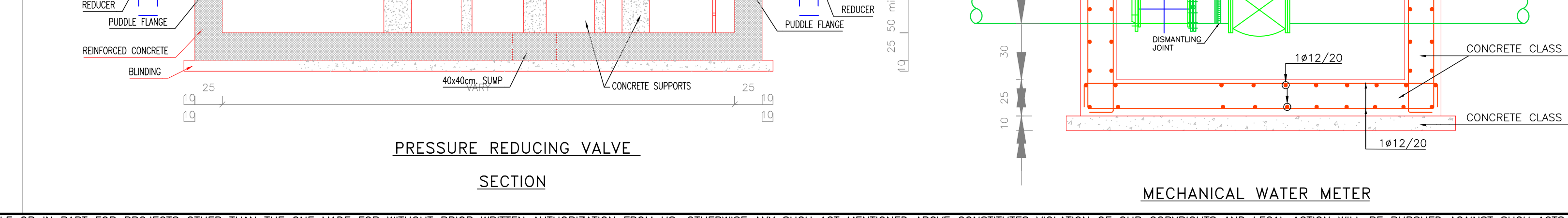
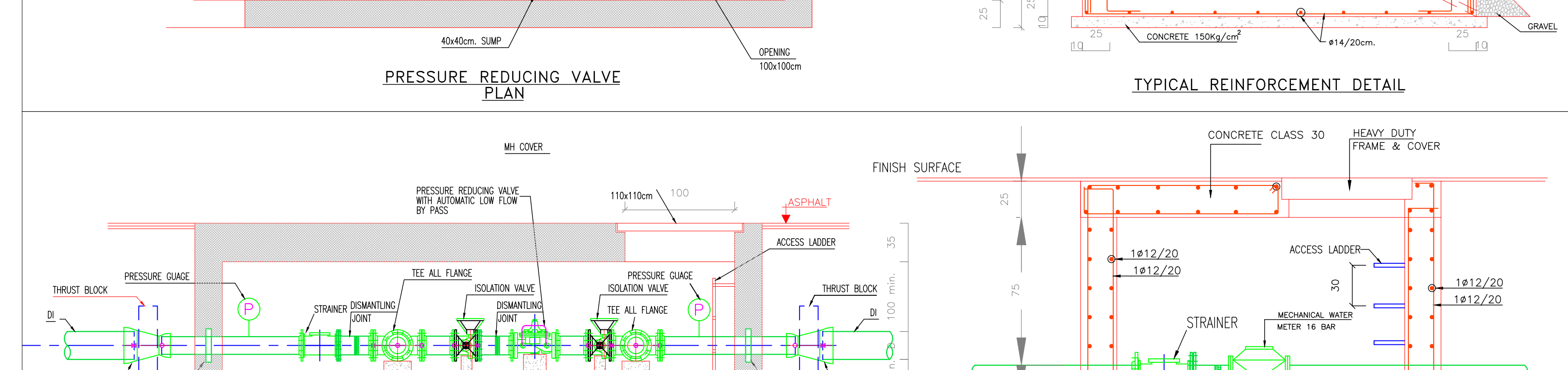
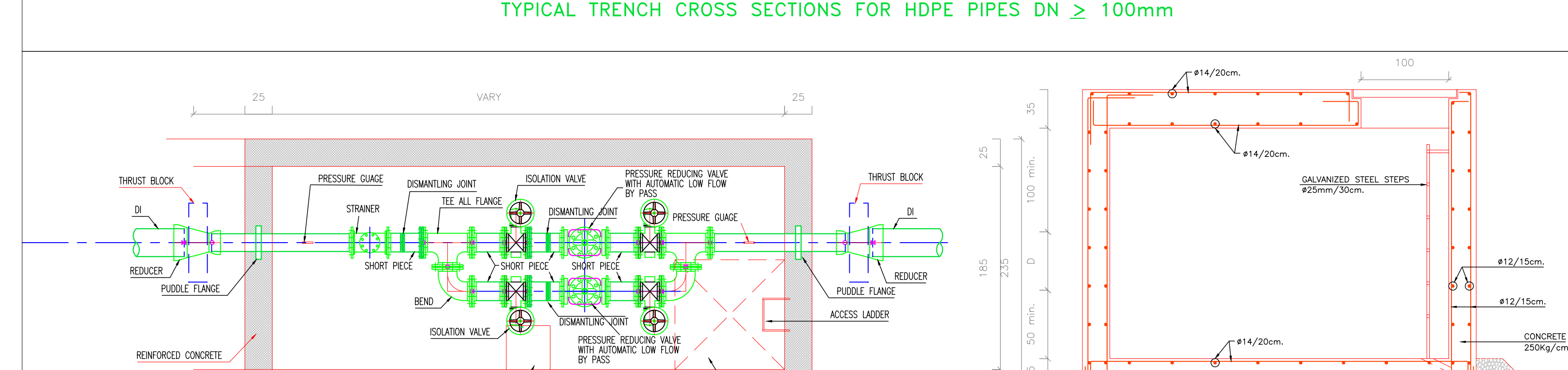
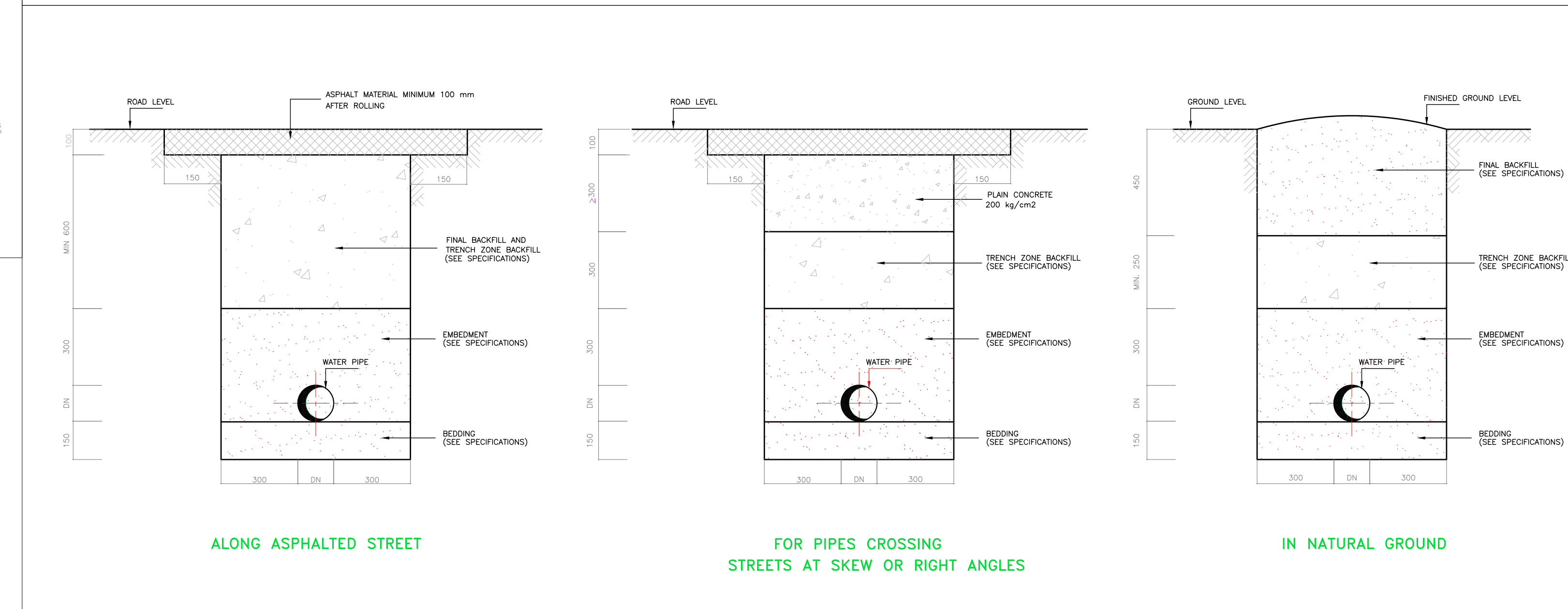
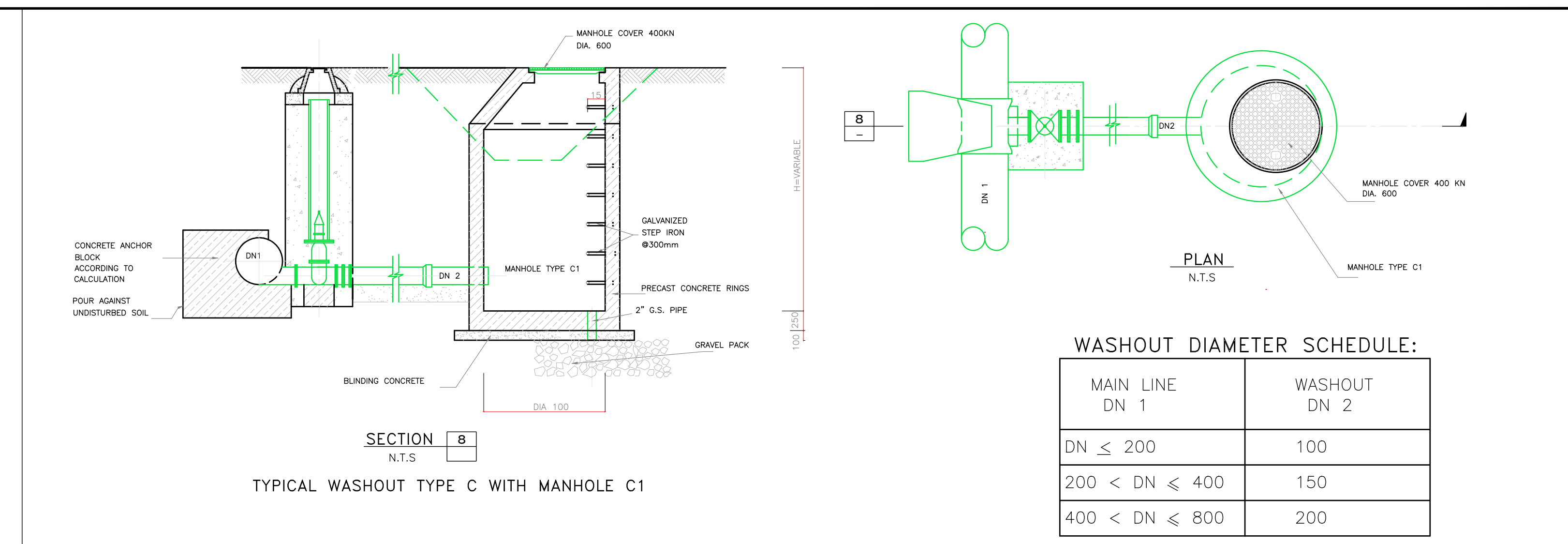
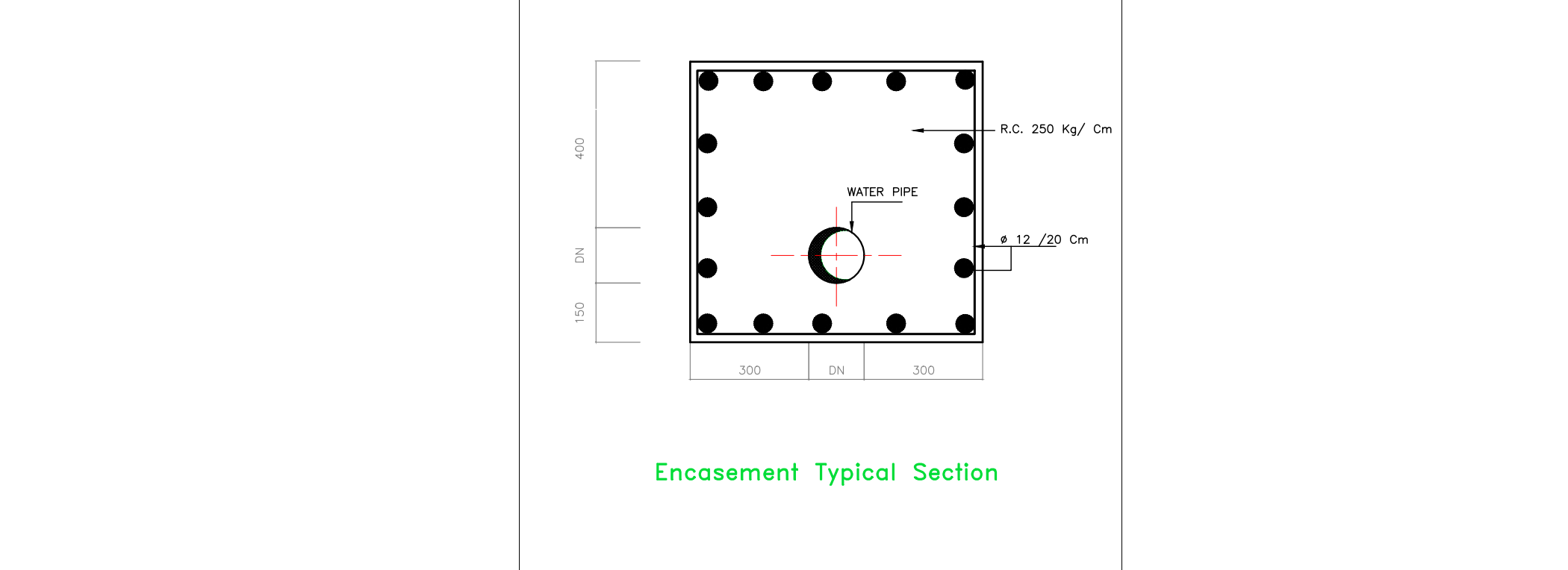
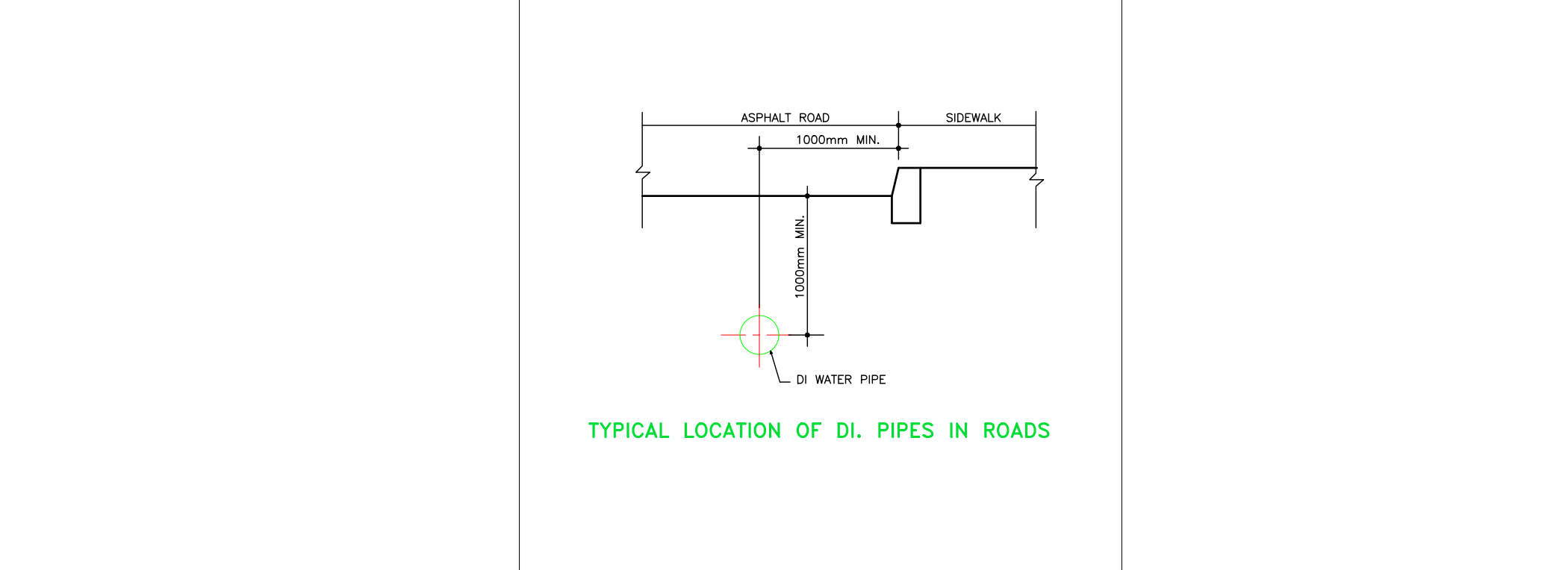
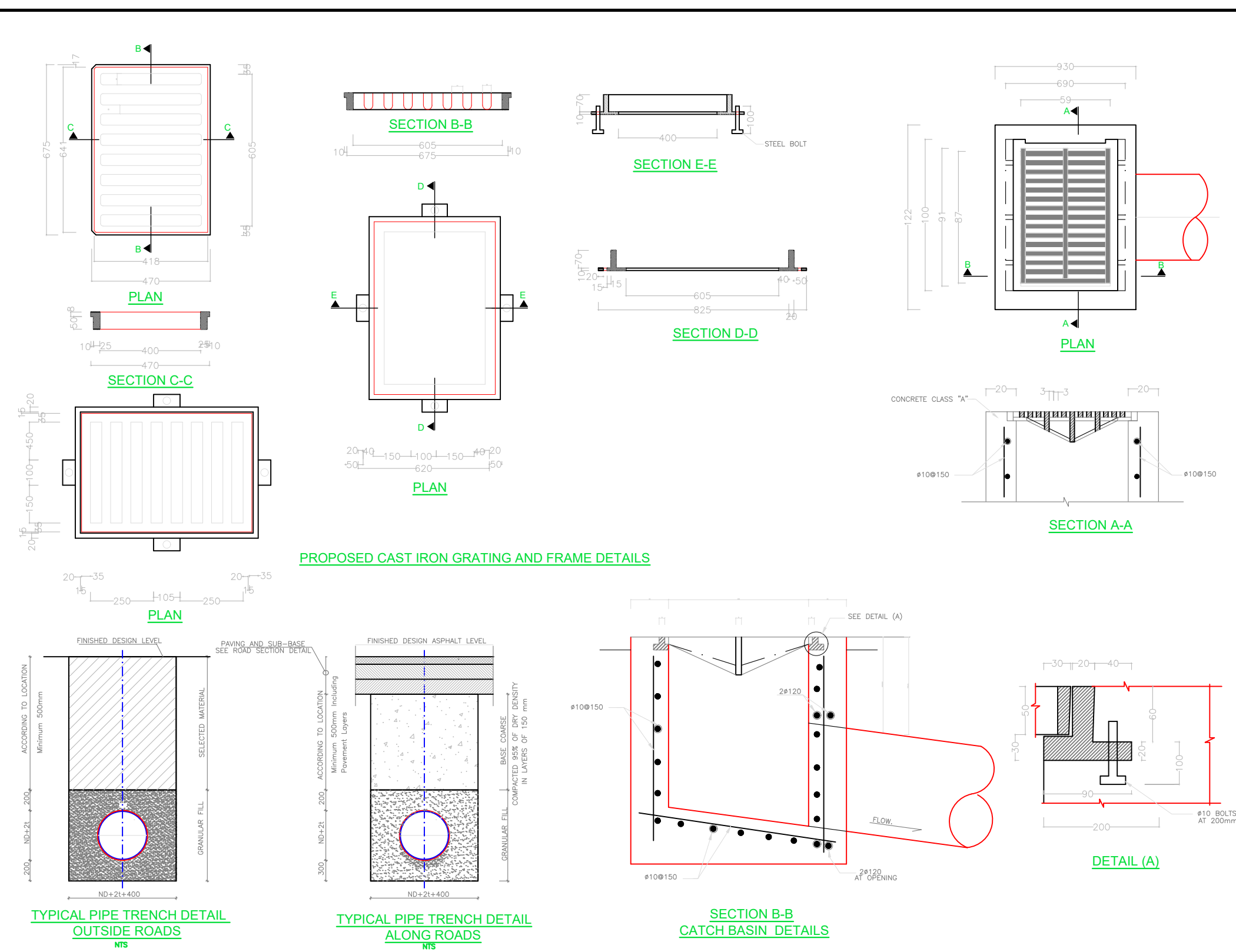
DRAWING NAME :
TYPICAL WATER DETAILS AND ROAD SECTIONS (1/3)

Prepared By :
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DRAWN BY	TEAM WORK	

SCALE: SHEET SIZE: A1

PLOT NO.	BASIN NO.	CAD FILE	
--	9 ALJAME'	SER._DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C30	A-3



NOTES :

- COORDINATES SYSTEM: (JTM)
- ELEVATION DATUM: H(MSL)

Tender Drawings

شركة ركن الهندسة

REV. NO.	DATE	DESCRIPTION

KEY PLAN

PROJECT OWNER :

سلطة منطقة العقبة الاقتصادية الخاصة

PROJECT NAME :

عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

TYPICAL WATER DETAILS (2/3)

Prepared By :

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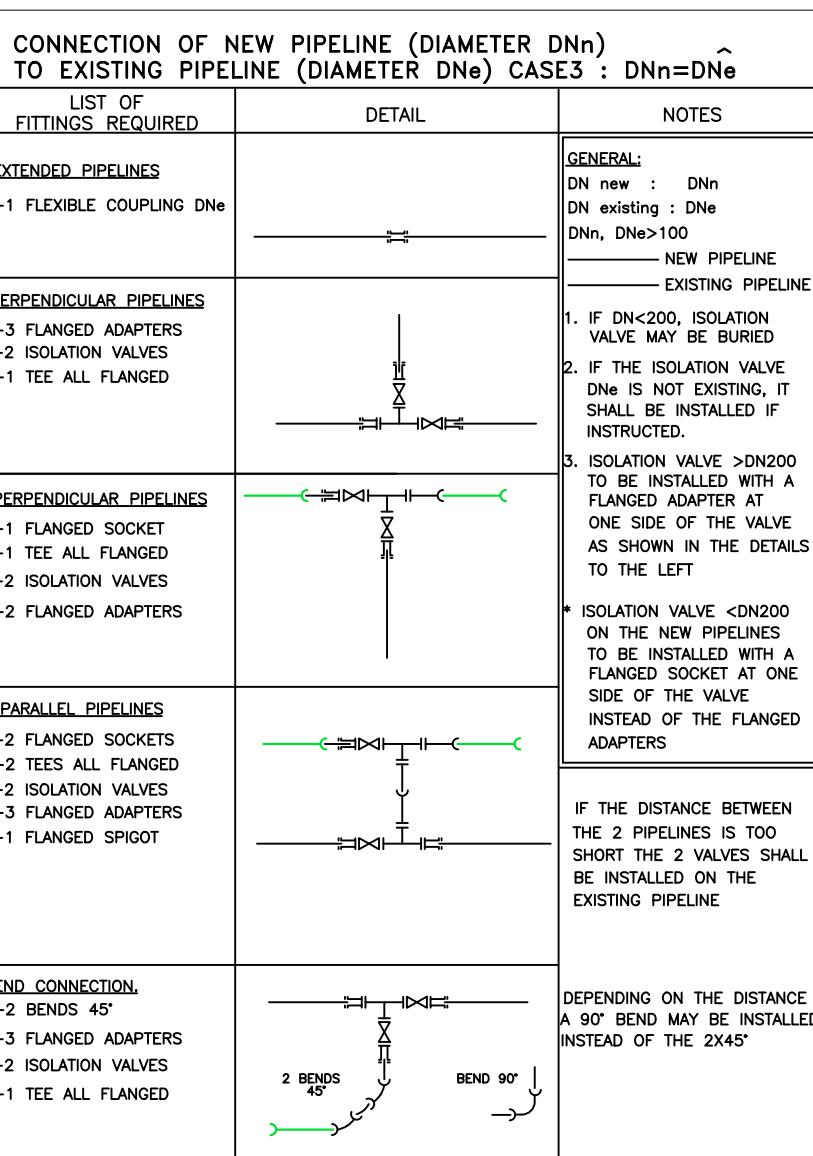
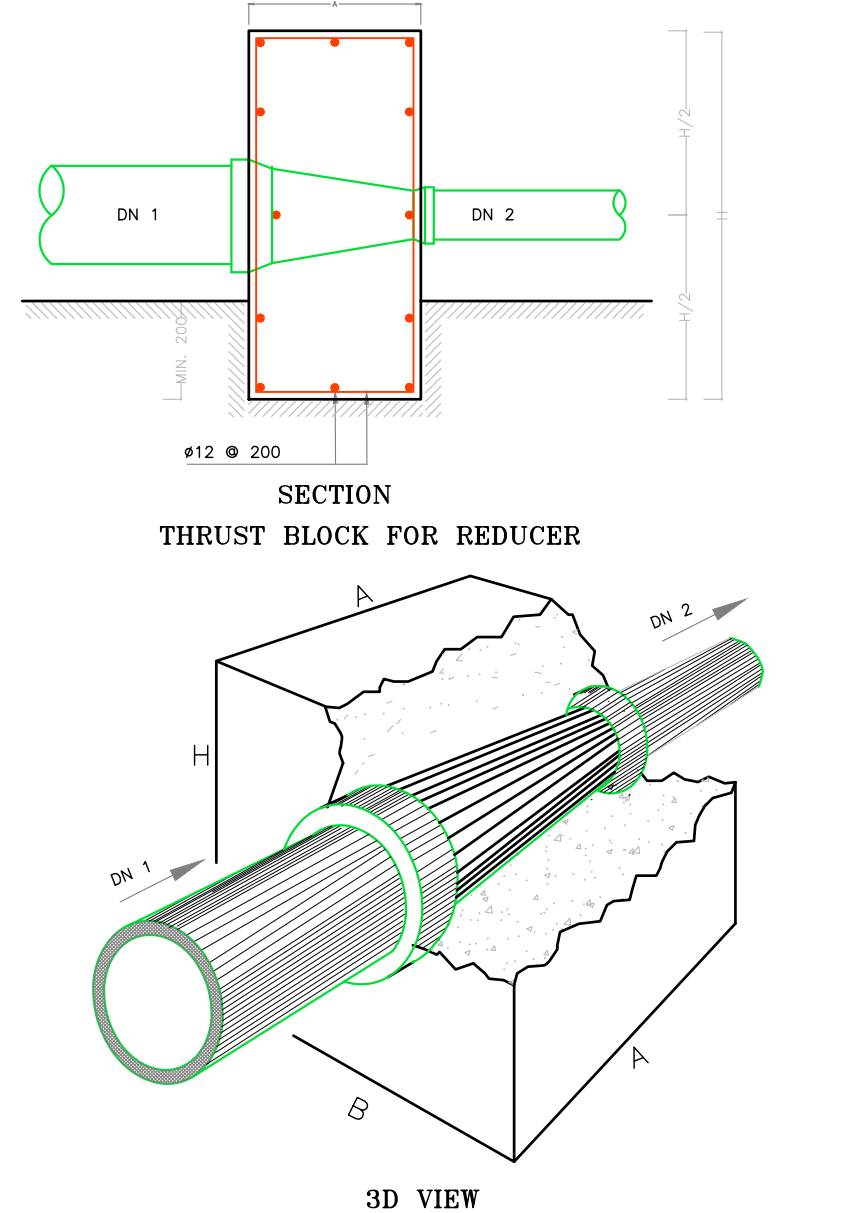
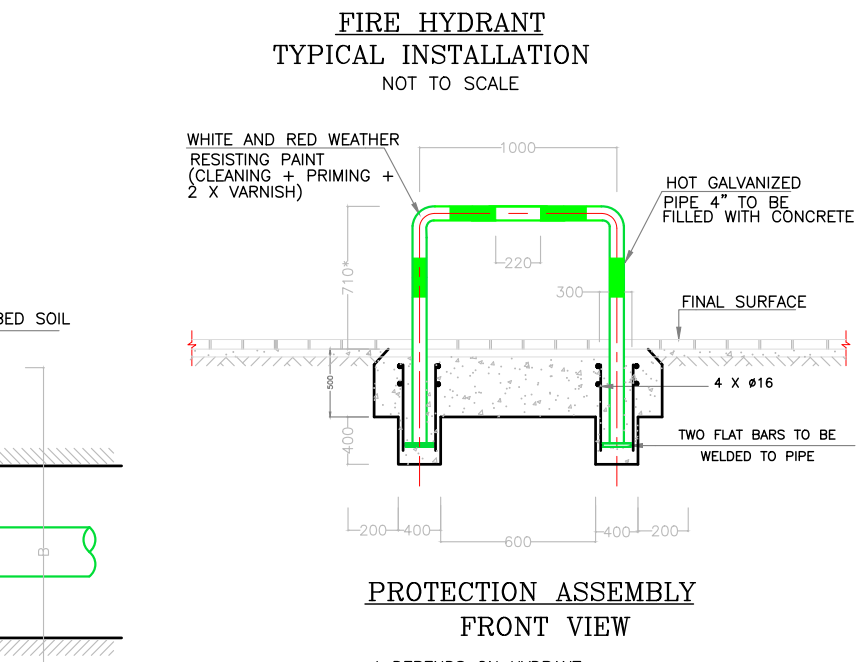
DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	

SCALE: SHEET SIZE: A1

PILOT NO.	BASIN NO.	CAD FILE	
---	9 ALJAME'	SER_DC_X.REF_348	
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.
MAR.2026	348	C31	A-3

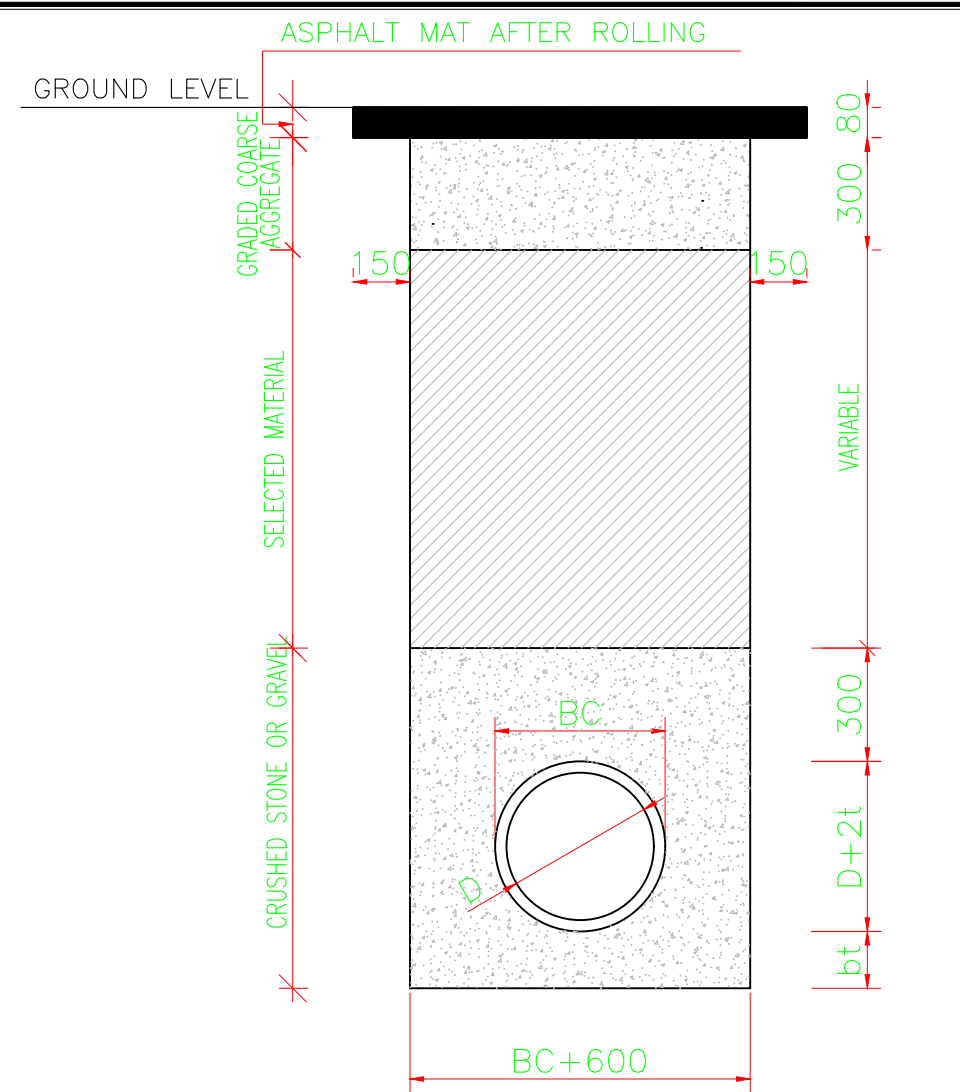
CONNECTION OF NEW PIPELINE (DIAMETER DnN) TO EXISTING PIPELINE (DIAMETER DnE) CASE 2 : DnN<DnE				
NO.	SYMBOL	LIST OF FITTINGS REQUIRED	DETAIL	NOTES
		EXTENDED PIPELINES →1 FLANGED ADAPTER DnE →1 REDUCER FLANGED DnN/DnE →1 FLANGED SPOIGT DnE		GENERAL: DN new : DnN DN existing : DnE DnN, DnE ≤100 mm — NEW PIPELINE — EXISTING PIPELINE
8		PERPENDICULAR PIPELINES →2 FLANGED ADAPTERS DnE →1 ISOLATION VALVE DnE →1 TEE ALL FLANGED DnN/DnE →1 ISOLATION VALVE DnN →1 FLANGED ADAPTER DnN		1. IF DN<200, ISOLATION VALVE MAY BE BURNED 2. IF THE ISOLATION VALVE DnE IS NOT EXISTING, IT SHALL BE INSTALLED IF INSTRUCTED. 3. ISOLATION VALVE >DN200 TO BE INSTALLED WITH A FLANGED ADAPTER AT ONE SIDE OF THE VALVE AS SHOWN IN THE DETAILS TO THE LEFT.
9		PERPENDICULAR PIPELINES →1 FLANGED ADAPTER DnE →1 REDUCER FLANGED DnN/DnE →1 TEE ALL FLANGED DnN →2 ISOLATION VALVES DnN →2 FLANGED ADAPTERS DnN		4. ISOLATION VALVE <DN200 ON THE NEW PIPELINES TO BE INSTALLED WITH A FLANGED SOCKET AT ONE SIDE OF THE VALVE INSTEAD OF THE FLANGED ADAPTERS
10		PARALLEL PIPELINES →2 FLANGED ADAPTERS DnE →1 TEE ALL FLANGED DnN/DnE →1 ISOLATION VALVE DnE →1 FLANGED SPOIGT DnN →1 FLANGED SPOIGT DnE →1 TEE ALL FLANGED DnN →2 ISOLATION VALVES DnN →2 FLANGED ADAPTERS DnN		IF THE DISTANCE BETWEEN THE 2 PIPELINES IS TOO SHORT THE 2 VALVES SHALL BE INSTALLED ON THE EXISTING PIPELINE.
11		END CONNECTION →2 FLANGED ADAPTERS DnE →1 TEE ALL FLANGED DnN/DnE →1 ISOLATION VALVE DnE →1 TEE ALL FLANGED DnN/DnE →1 ISOLATION VALVE DnN →1 FLANGED ADAPTER DnN →2 BENDS 45° DnN		DEPENDING ON THE DISTANCE A 90° BEND MAY BE INSTALLED INSTEAD OF THE 2X45°
12		CROSSING PIPELINES →2 FLANGED ADAPTERS DnE →1 TEE ALL FLANGED DnN/DnE →1 ISOLATION VALVE DnE →1 FLANGED ADAPTER DnN →2 BENDS 45° DnN →1 FLANGED SPOIGT DnN →1 TEE SOCKETED WITH FLANGED BRANCH DnN		
13		PERPENDICULAR PIPELINES (2 EQUAL DIAMETERS) →1 FLANGED SOCKET DN2 →1 TEE ALL FLANGED DN2 →1 ISOLATION VALVE DN2 →1 FLANGED ADAPTER DN2 →1 FLANGED ADAPTER DN1 →1 FLANGED ADAPTER DN1 →1 ISOLATION VALVE DN1		DN1 < DN2
14a	DN2 DN1	PERPENDICULAR PIPELINES (2 DIFFERENT DIAMETERS) →1 FLANGED SOCKET DN3 →1 TEE ALL FLANGED DN3 →1 REDUCER FLANGED DN3/DN1 →1 ISOLATION VALVE DN3 →1 ISOLATION VALVE DN2 →1 FLANGED ADAPTER DN1 →1 FLANGED ADAPTER DN2		DN1 < DN2 < DN3
14b	DN3 DN2			

NOTE:
Contractor to recalculate values considering prevailing soil bearing capacity and test pressure.

[illegible]

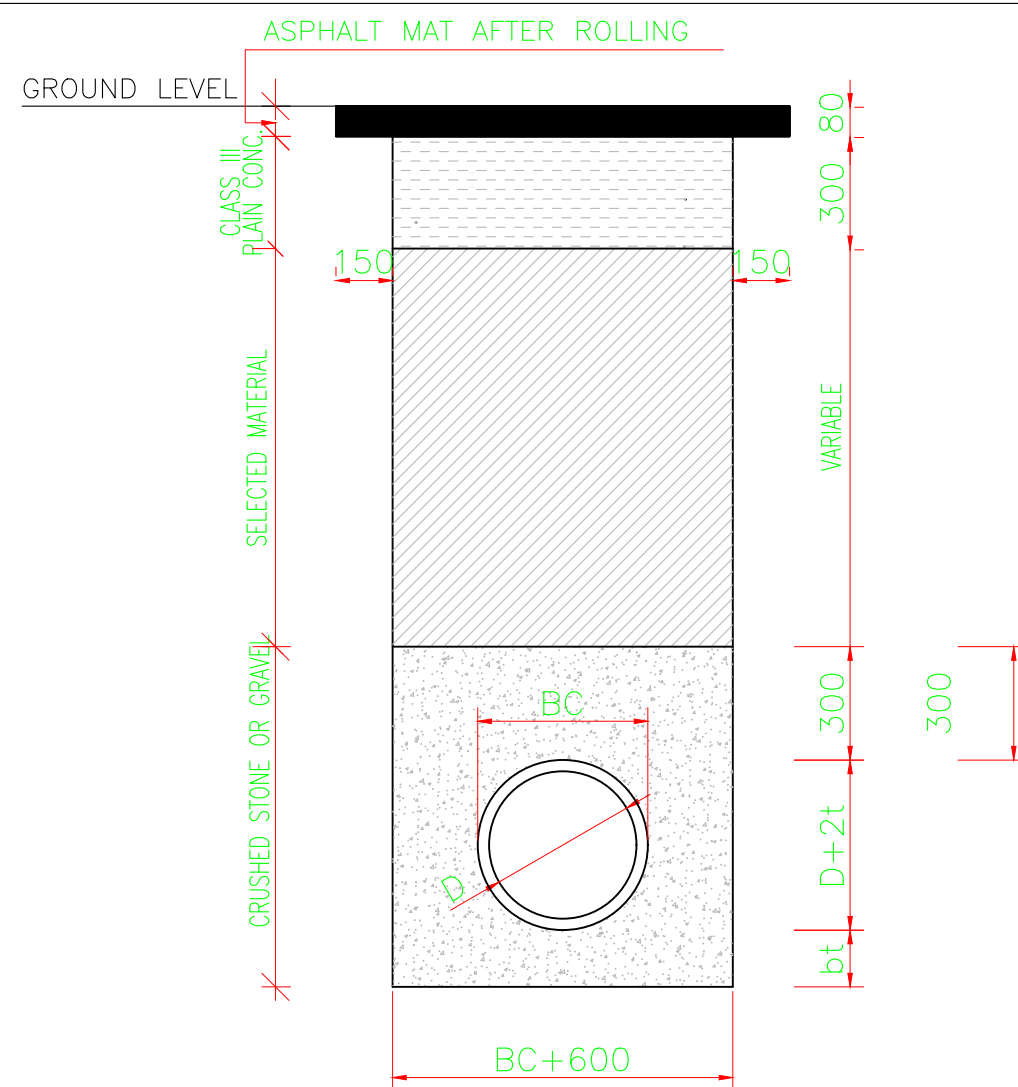
DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	
SCALE:		SHEET SIZE: A1

EXPLOT NO.	BASIN NO.	CAD FILE
--	9 ALJAME'	SER...DC_X.REF-348
ISSUE DATE	PROJECT NO.	DRAWING NO. REV.
MAR.2026	348	C32 A-3



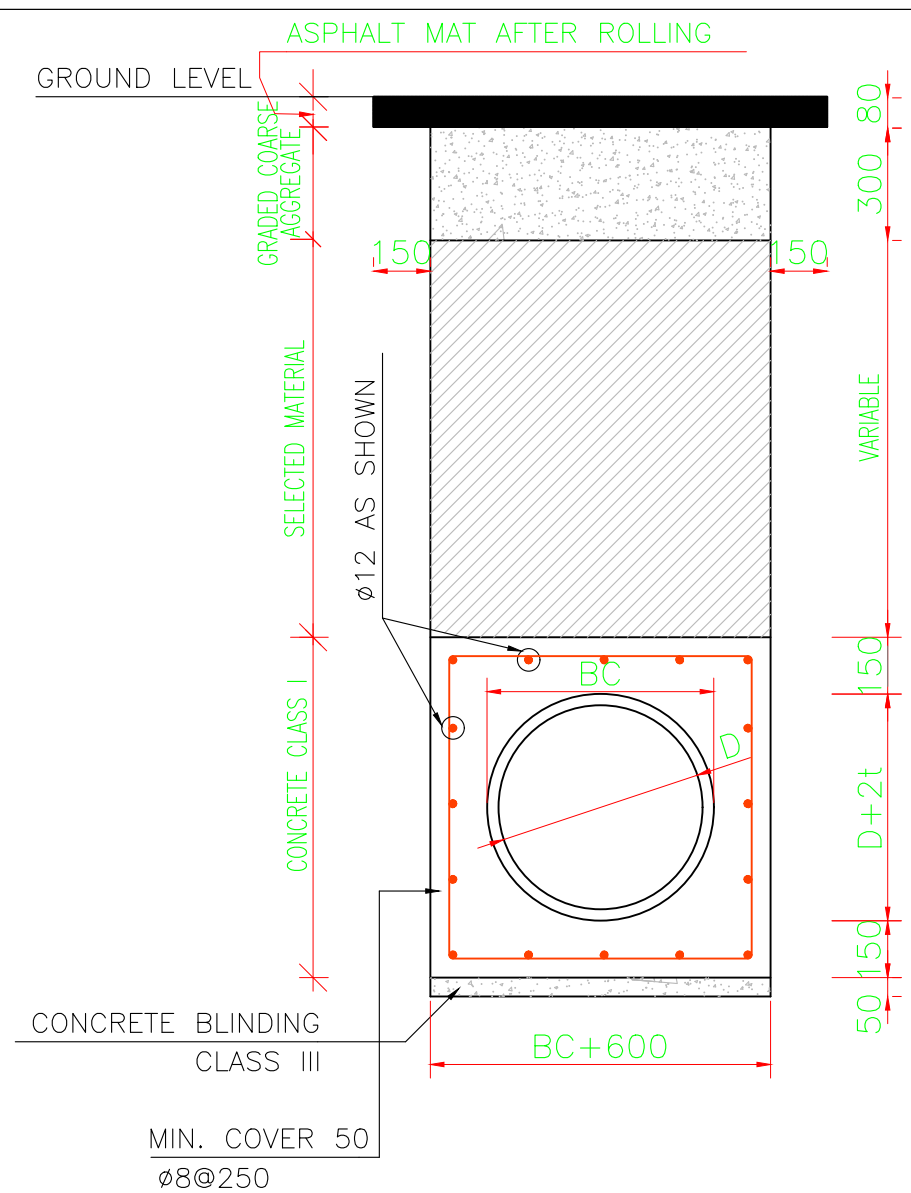
BEDDING THICKNESS $bt = (d/10) + 100 \approx 150\text{mm}$
WHERE d IS OUTSIDE DIA. OF PIPE IN mm

**TYPICAL TRENCH CROSS SECTION
ALONG THE PAVED ROAD**
N.T.S.

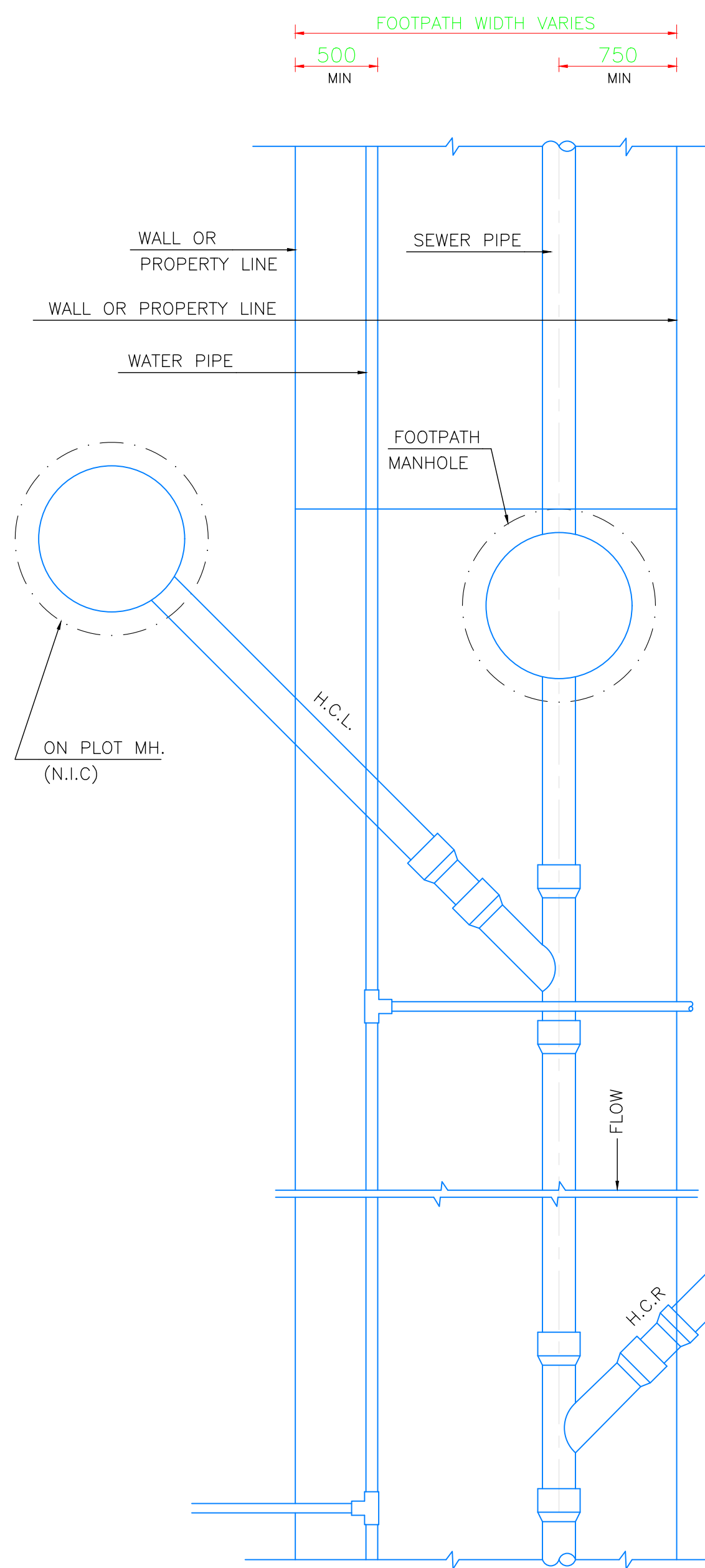


BEDDING THICKNESS $bt = (d/10) + 100 \approx 150\text{mm}$
WHERE d IS NOMINAL DIA. OF PIPE IN mm

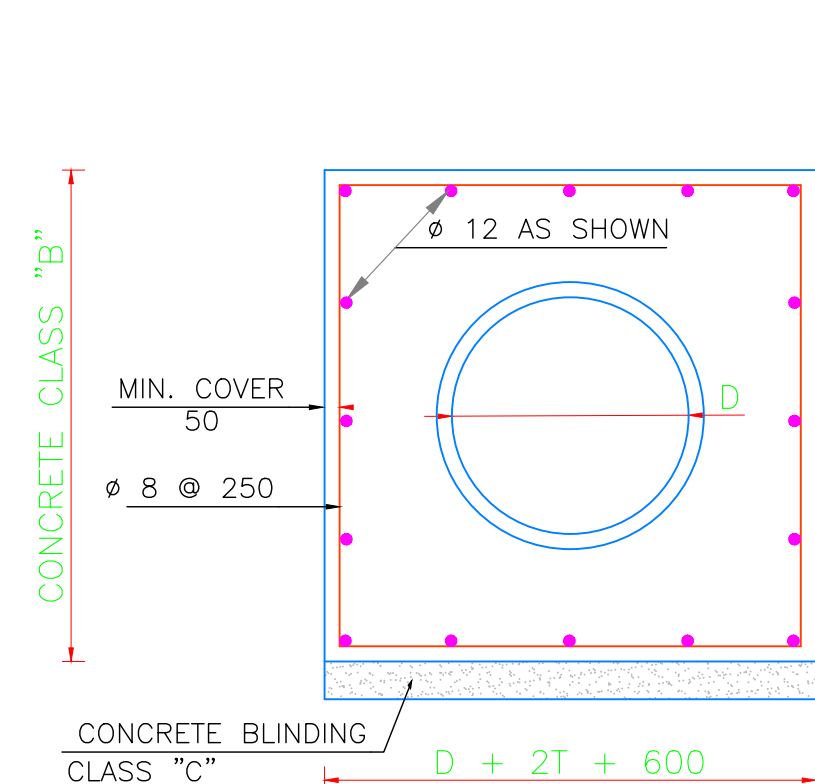
**TYPICAL TRENCH CROSS SECTION
ACCROSS THE PAVED ROAD**
N.T.S.



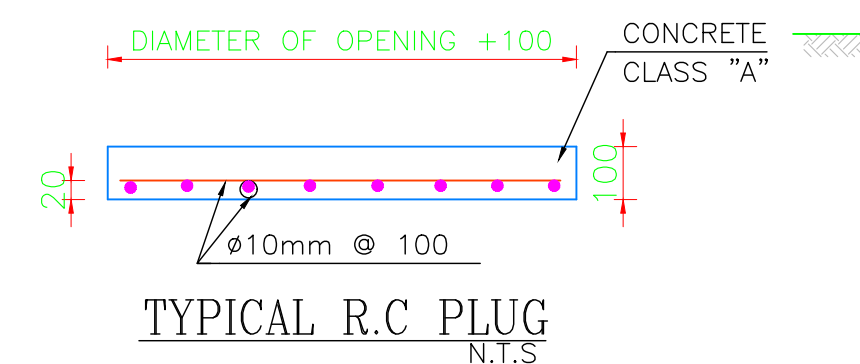
**TYPICAL R.C. ENCASEMENT
FOR SEWER PIPES**
N.T.S.



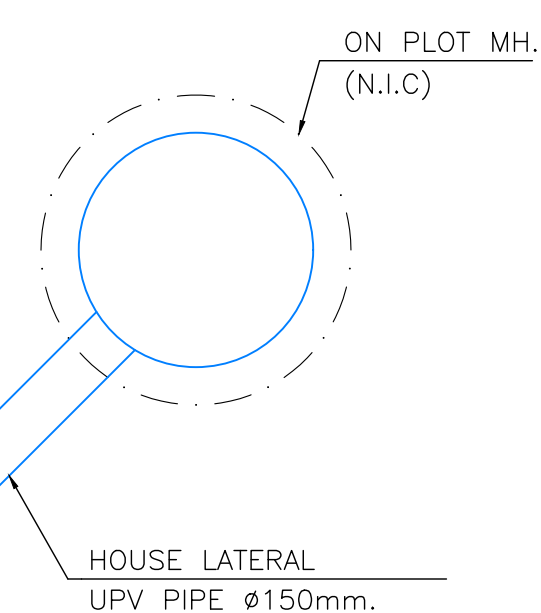
TYPICAL FOOTPATH PLAN
N.T.S.



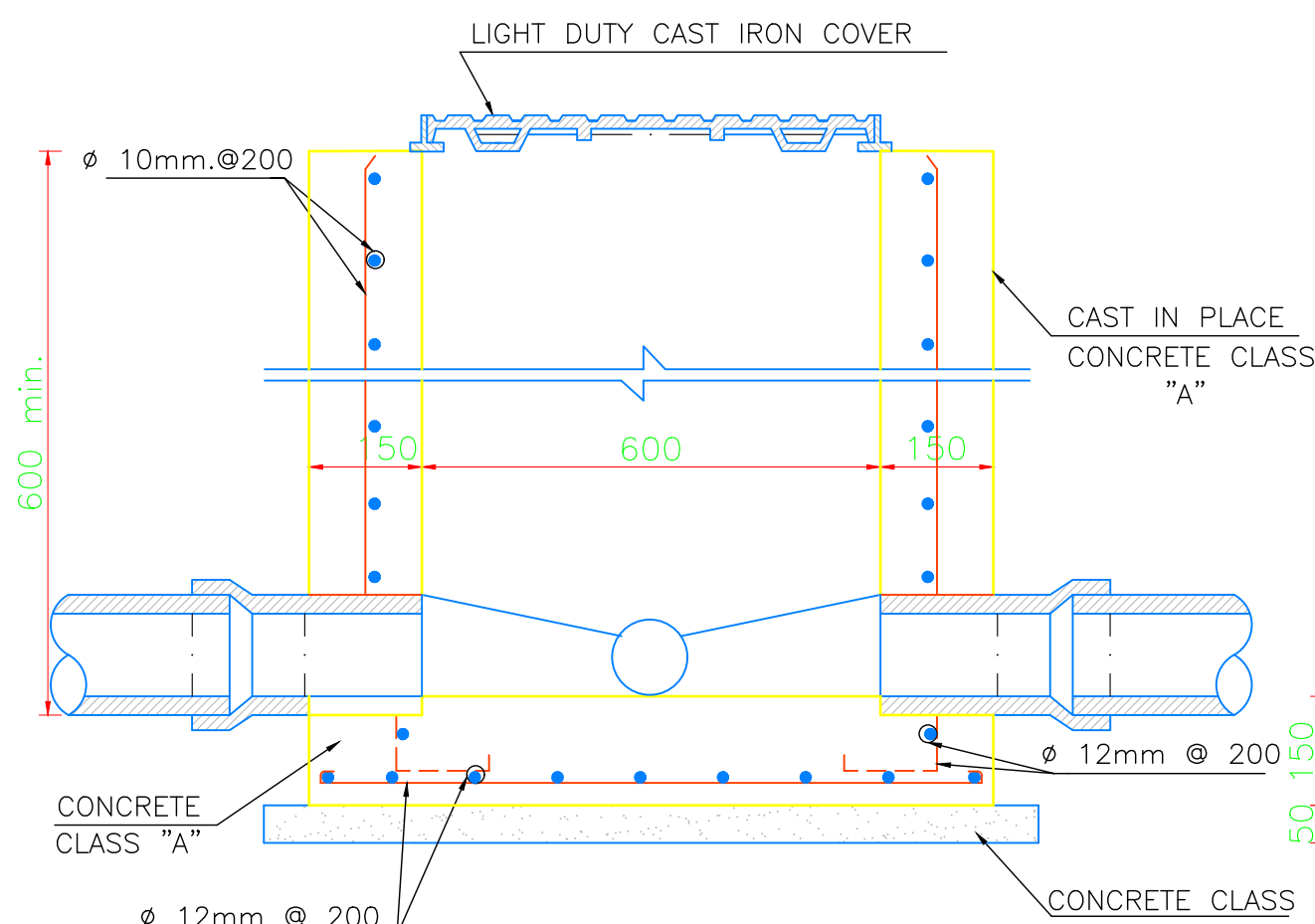
**TYPICAL R.C. ENCASEMENT FOR
SEWER PIPE**
N.T.S.



TYPICAL R.C. PLUG
N.T.S.

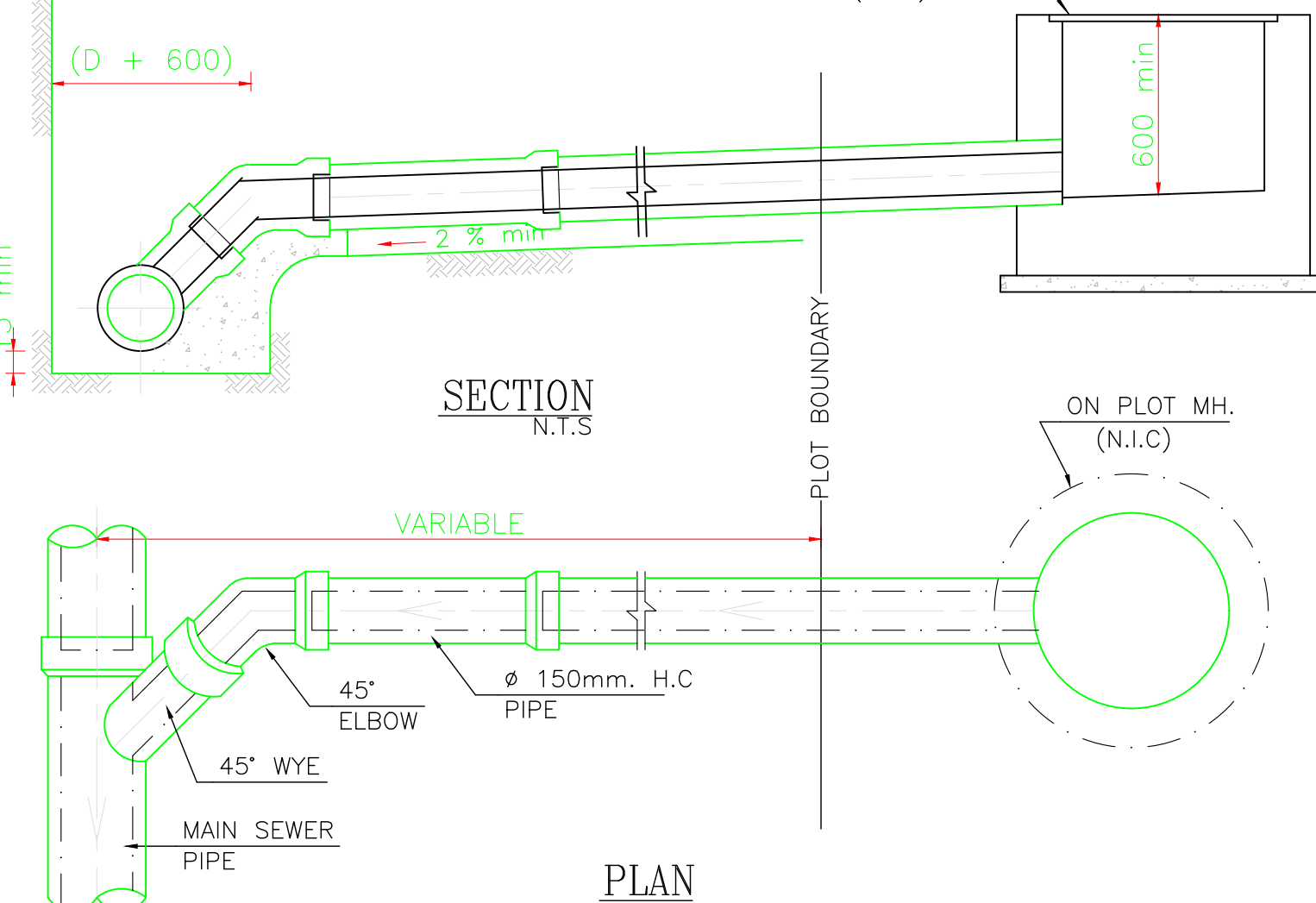


**DETAIL WHERE WATER PIPE CAN NOT
PASS BY FOOTPATH MANHOLE BELOW GRADE**
N.T.S.

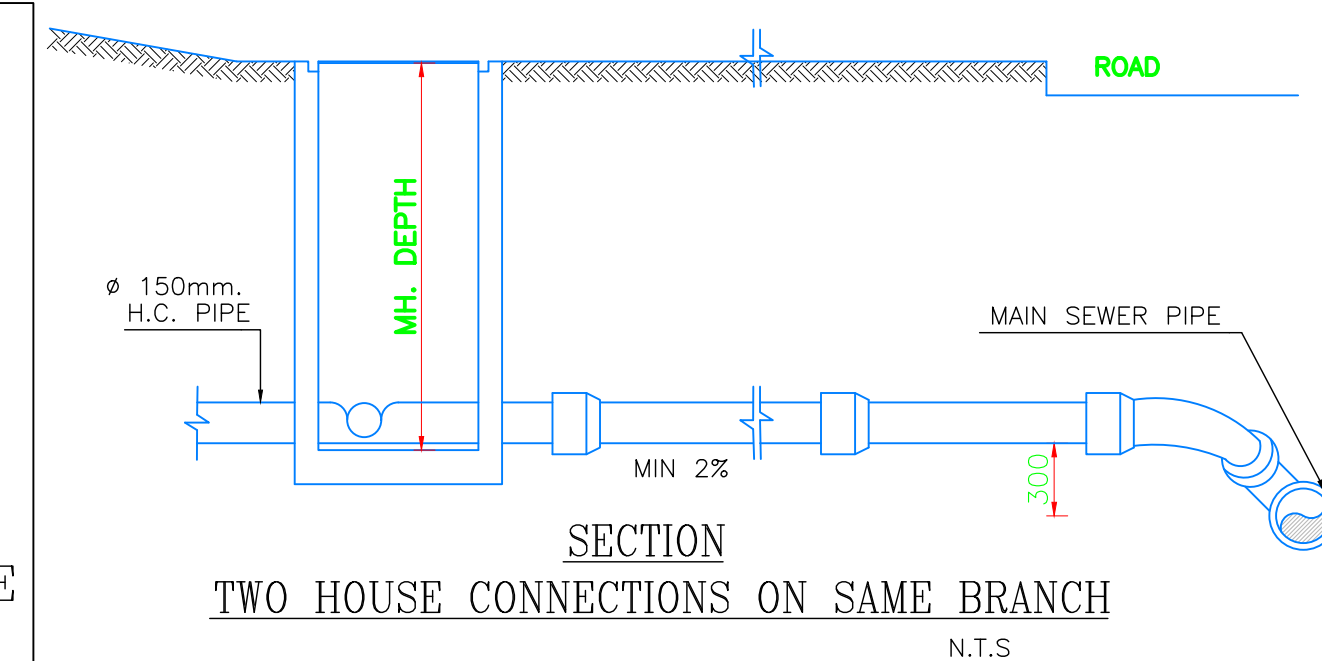


ON PLOT MANHOLE TYPE "A"
N.T.S.

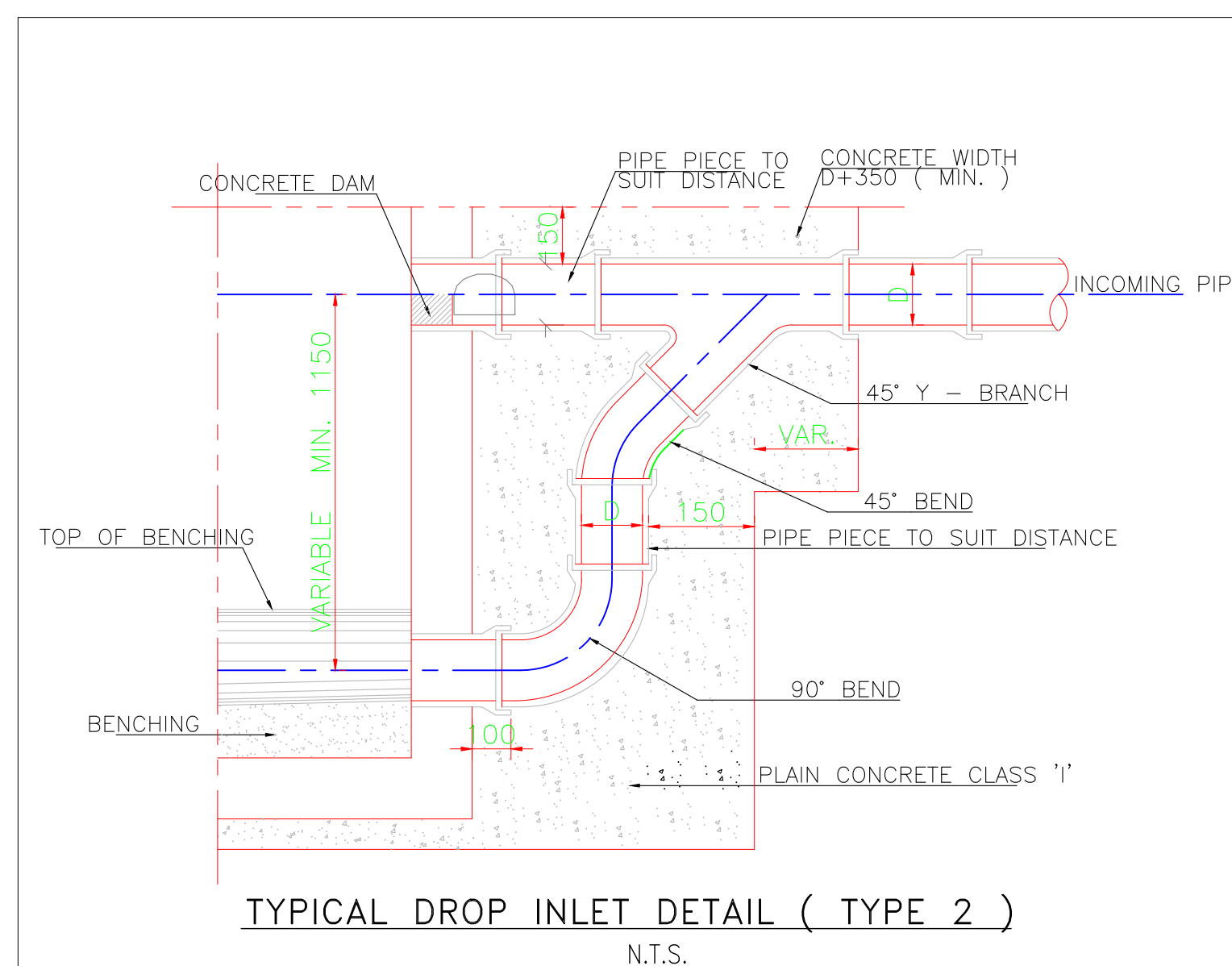
ON PLOT M.H. ϕ 600 OR ϕ 900
 ϕ 600mm FOR DEPTH $< 150.0\text{cm}$ L.D.C
 ϕ 900mm FOR DEPTH $> 150.0\text{cm}$ M.D.C (N.I.C)



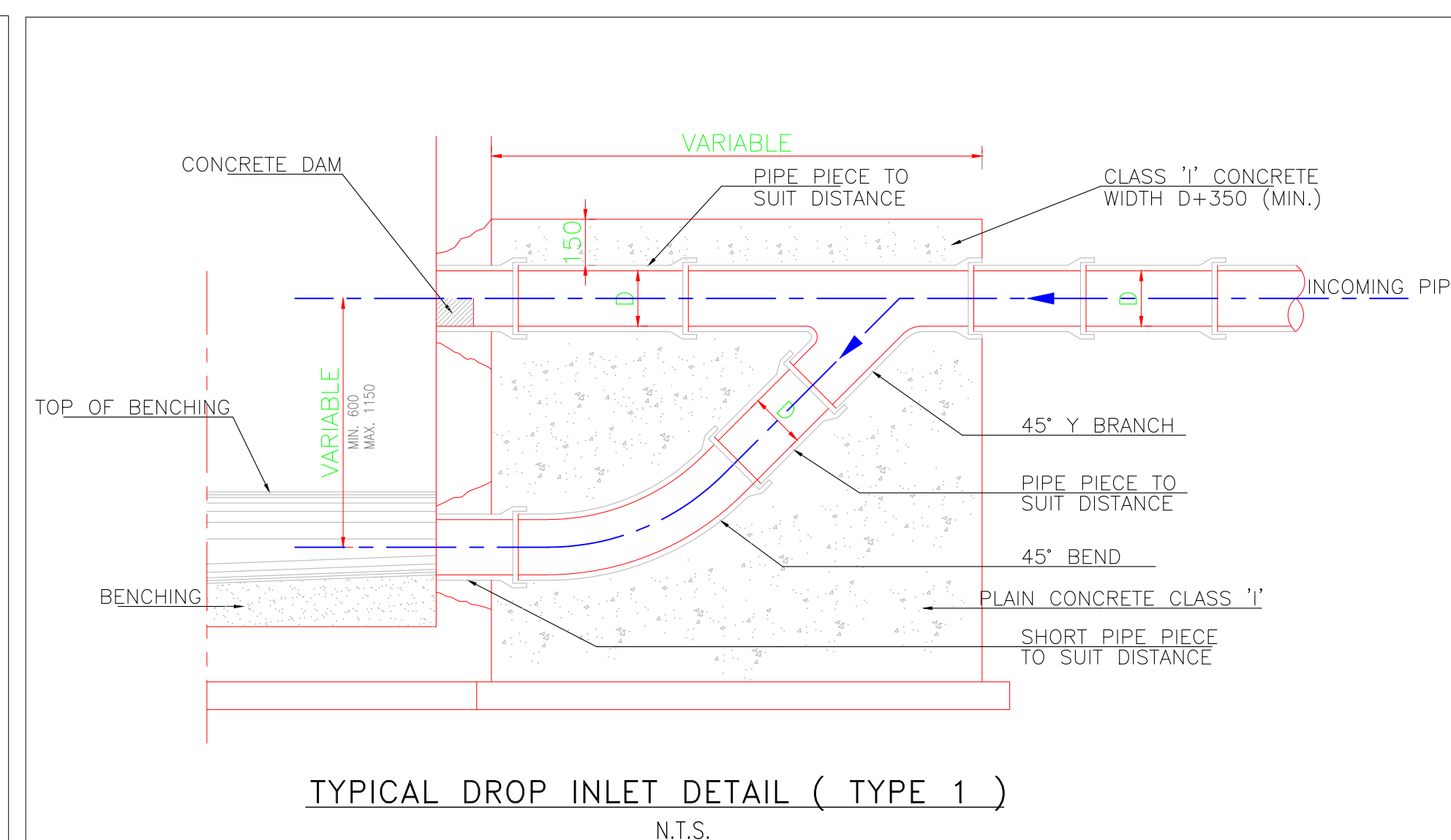
**SECTION
SERVICE LATERAL FOR HOUSE CONNECTION**
N.T.S.



**SECTION
TWO HOUSE CONNECTIONS ON SAME BRANCH**
N.T.S.



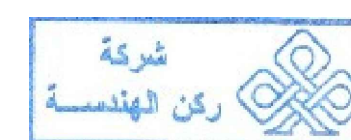
TYPICAL DROP INLET DETAIL (TYPE 2)
N.T.S.



TYPICAL DROP INLET DETAIL (TYPE 1)
N.T.S.

NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO.	DATE	DESCRIPTION

KEY PLAN

PROJECT OWNER :



**سلطة منطقة العقبة
الاقتصادية الخاصة**

PROJECT NAME :

**عطاء رقم ()
والخاص بتنفيذ أعمال تطوير البنية
الاحتمية ضمن المنطقة التجارية الثانية
(منطقة التقسيم) في مدينة العقبة**

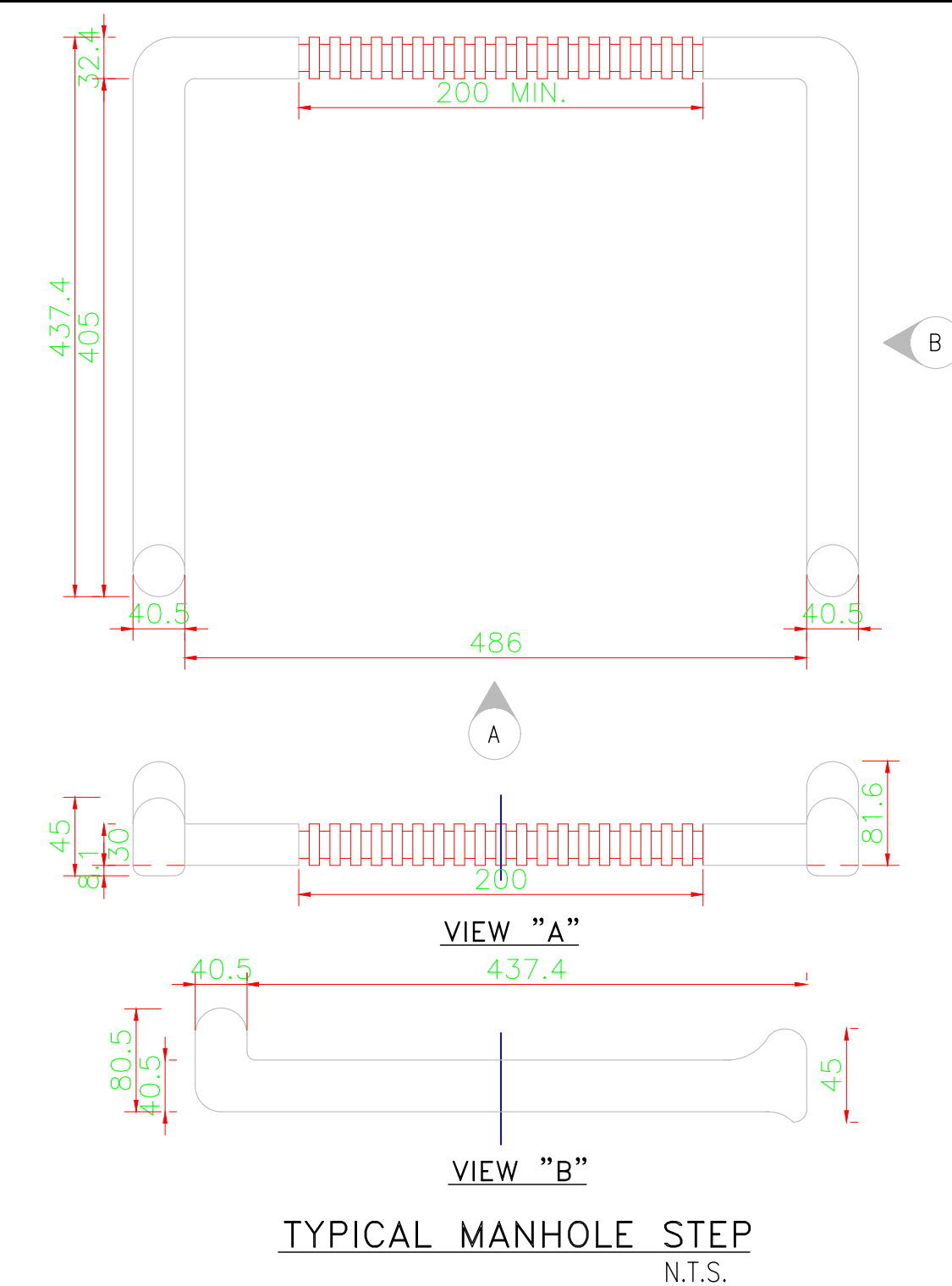
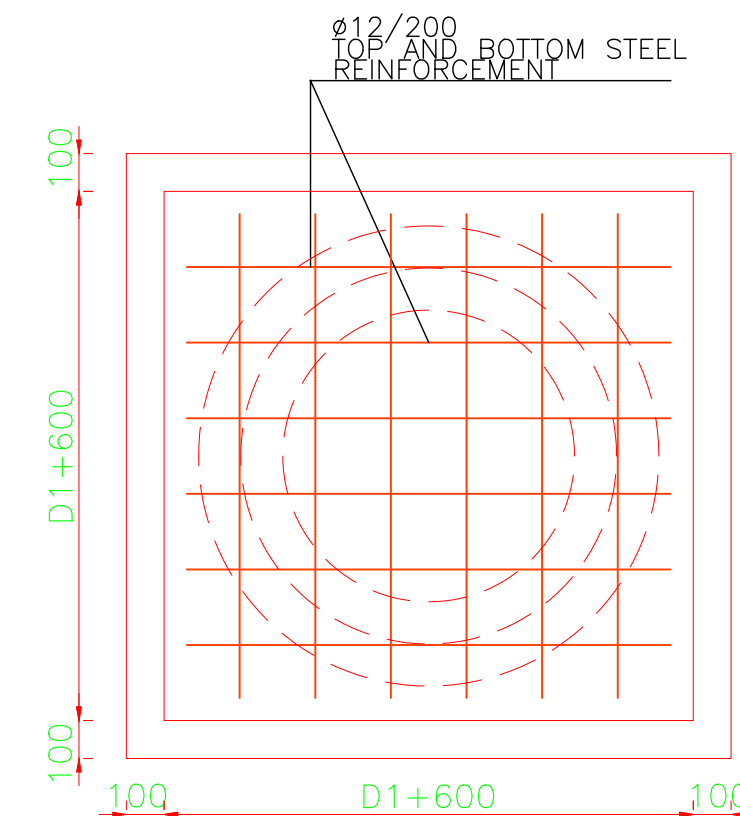
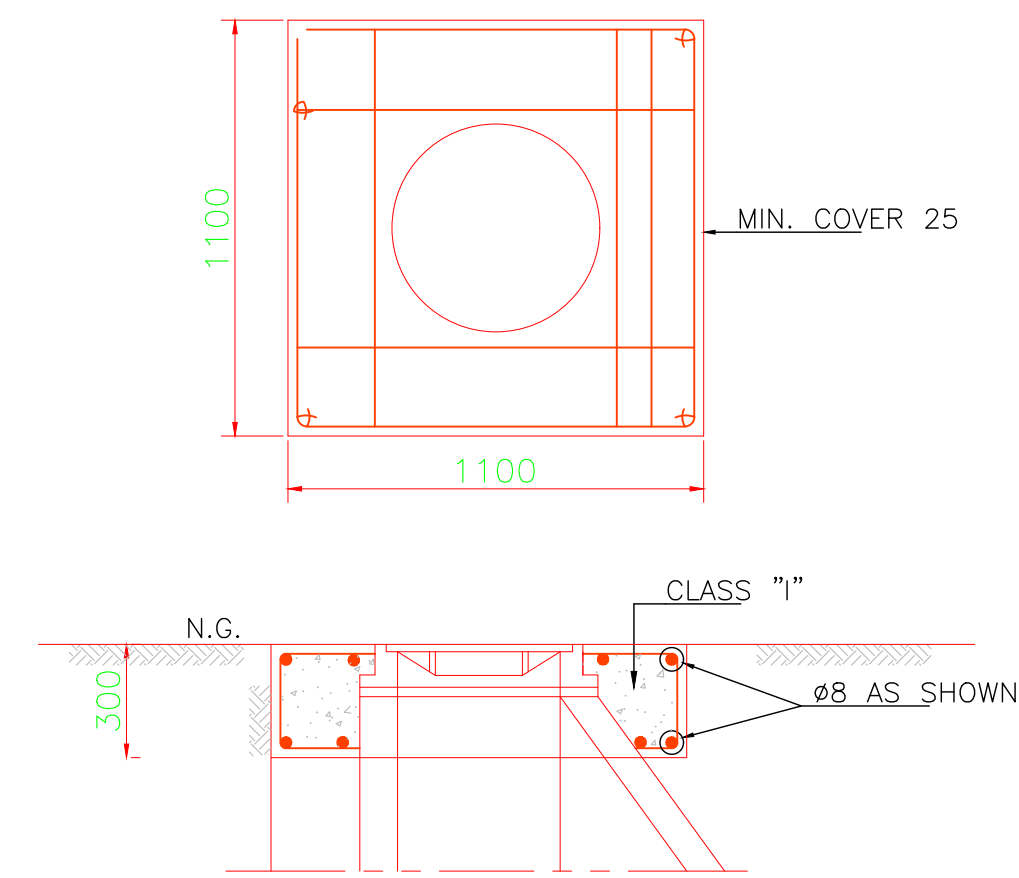
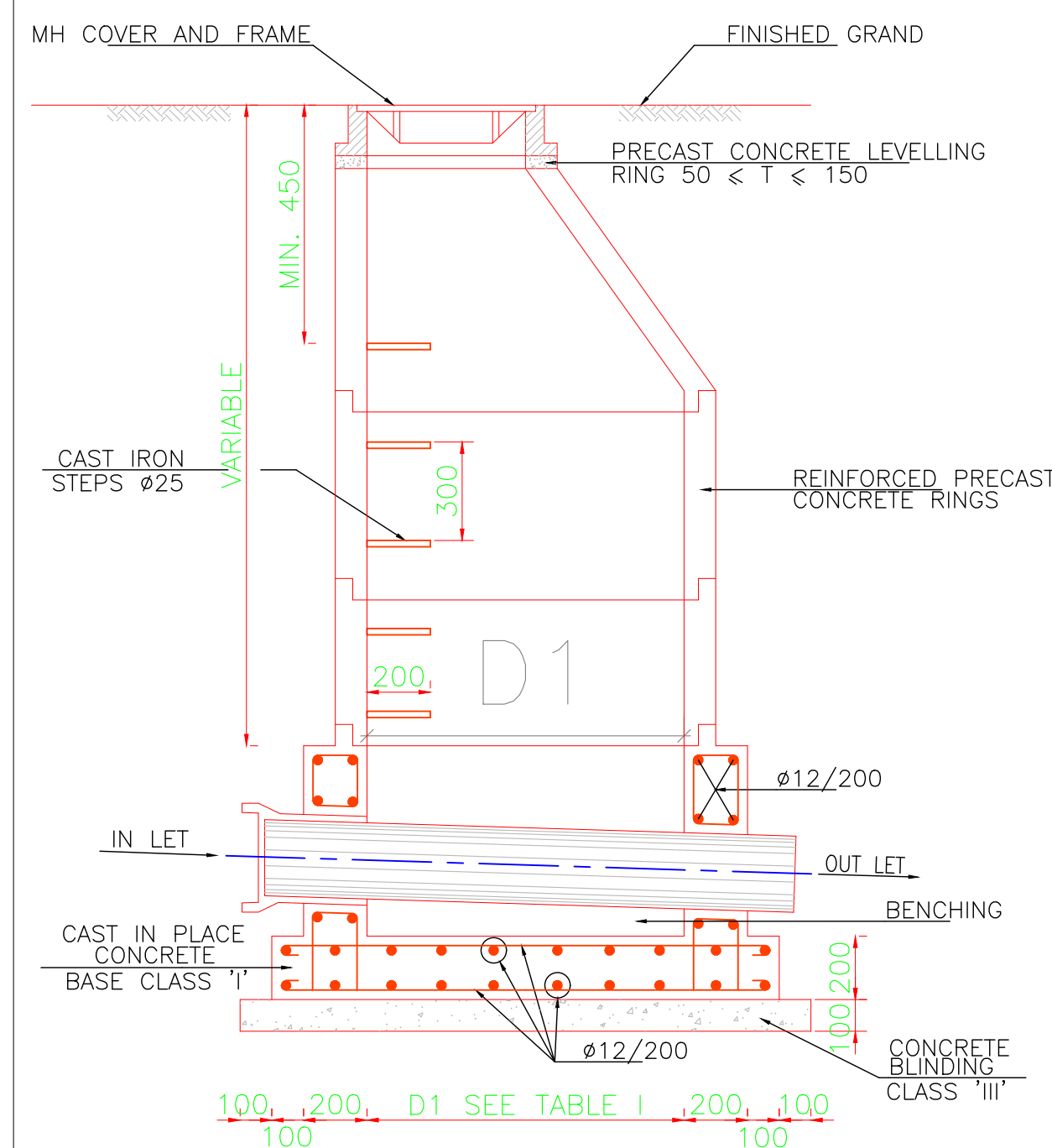
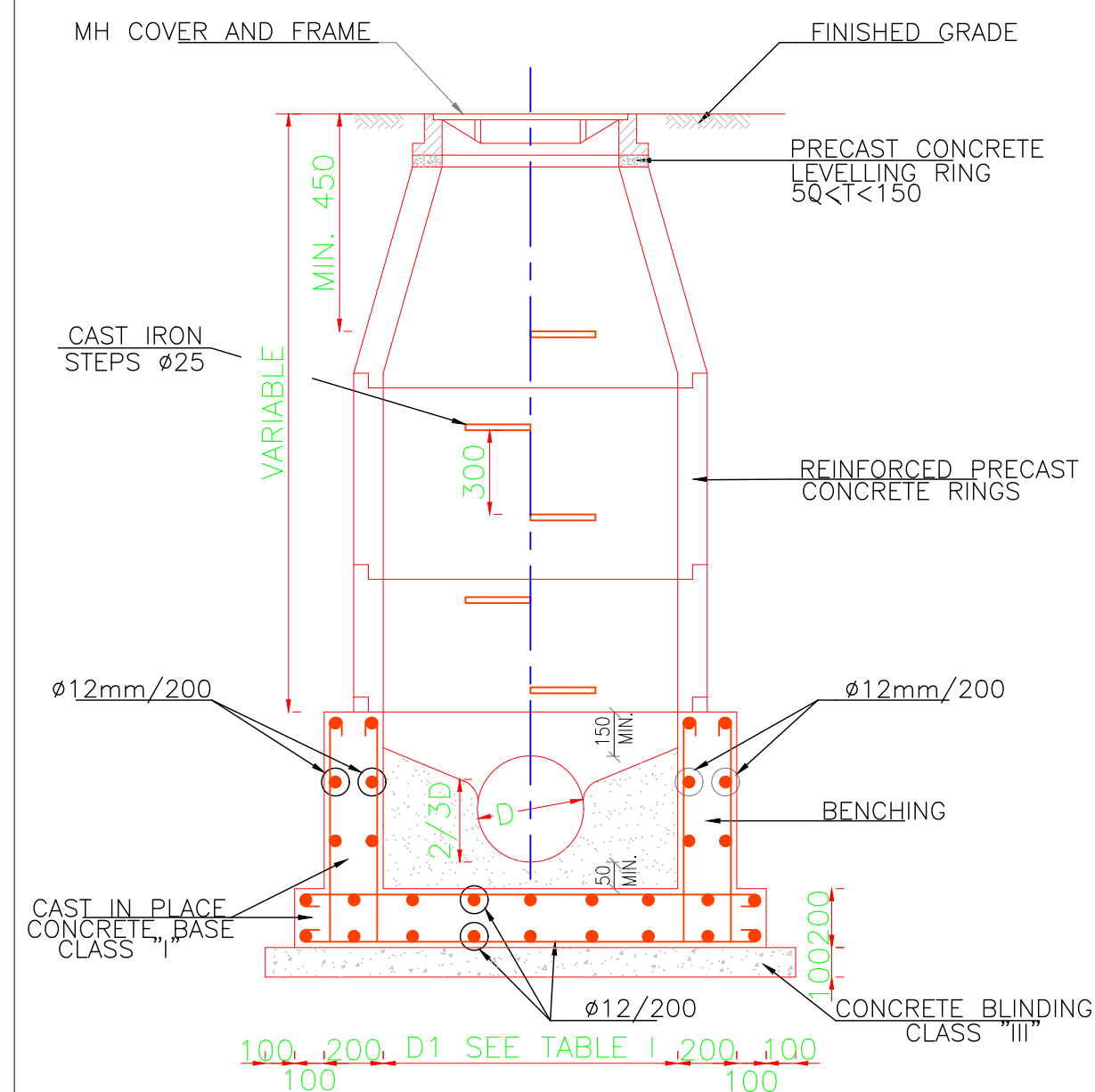
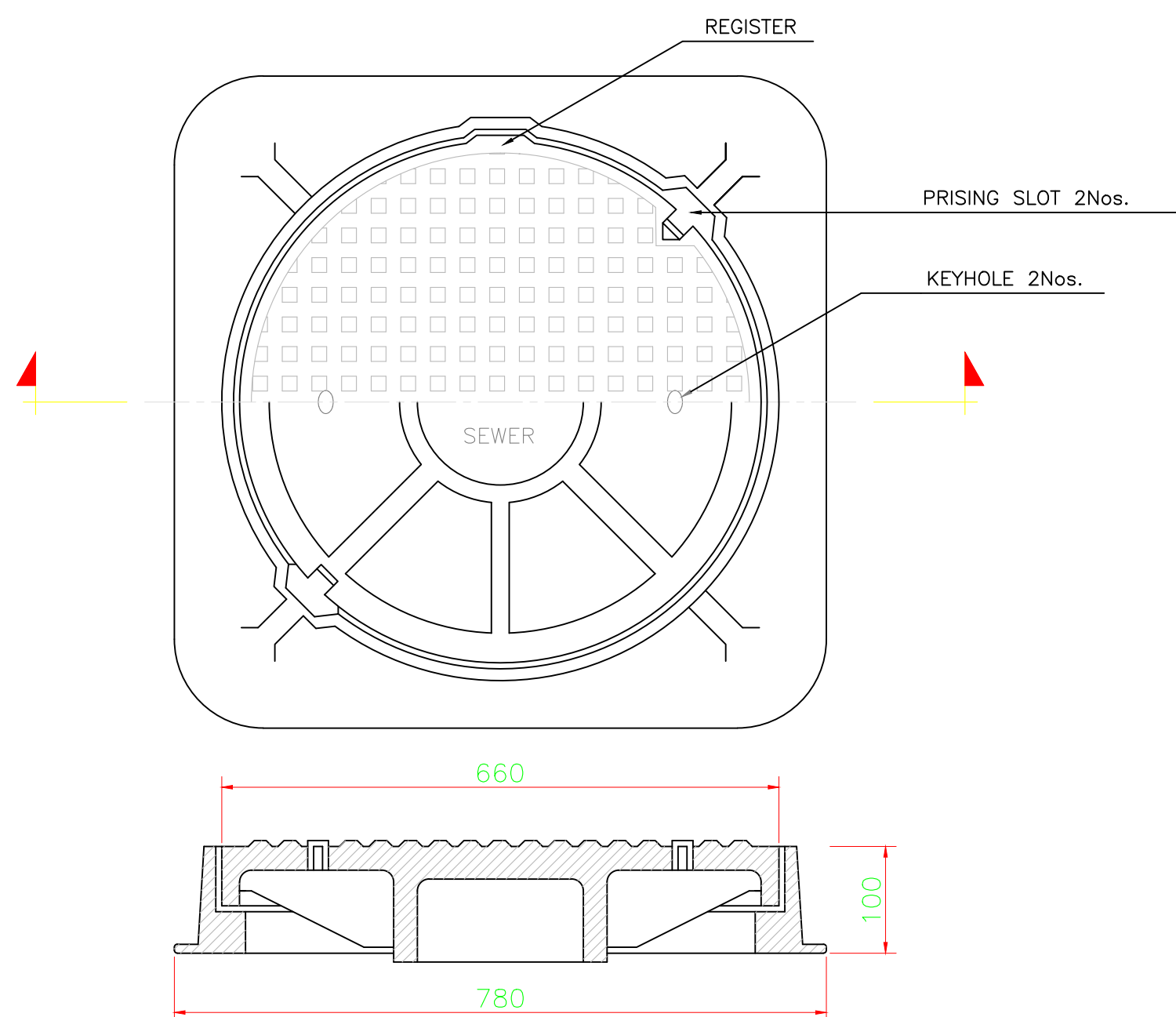
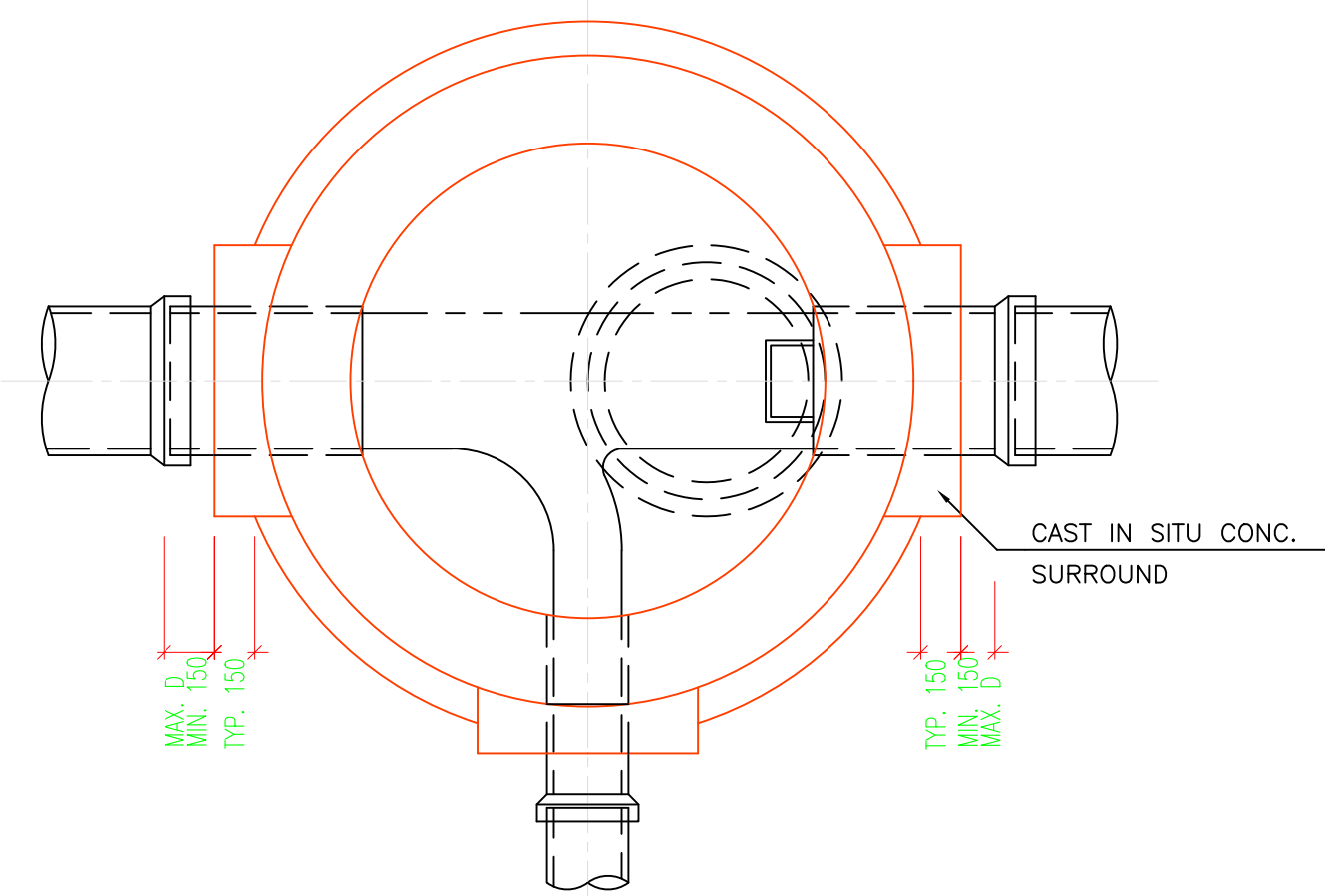
DRAWING NAME :

TYP. SEWER DETAILS (1/2)

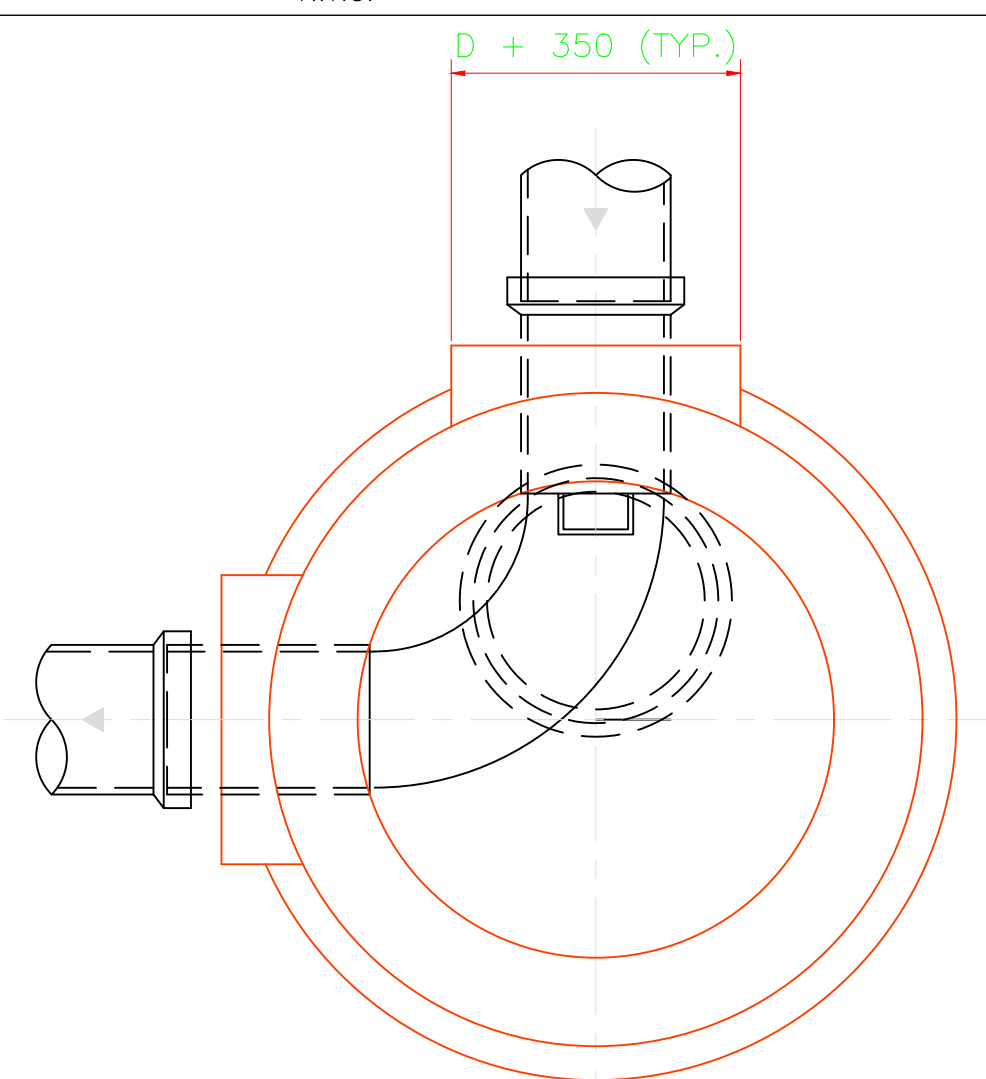
Prepared By :



DESIGNED BY	TEAM WORK	
CHECKED BY	MOHMD KHATIBEH	4705
DRAWN BY	TEAM WORK	
SCALE:	SHEET SIZE: A1	
PLOT NO.	BASIN NO.	CAD FILE
---	9 ALJAME'	SER_DC_X.REF_348
ISSUE DATE	PROJECT NO.	REV.
MAR.2026	348	C33
		A-3

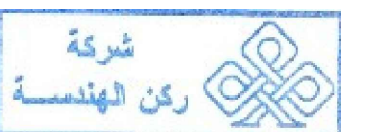
TABLE 1 :

PIPE DIAMETER (D) (MM)	INTERNAL MANHOLE DIAMETER (D1) (MM)	
	DEPTH OF MANHOLE (H ≤ 4.5 m)	DEPTH OF MANHOLE (H > 4.5 m)
200	900 PRE-CAST	1200 PRE-CAST OR AS SPECIFIED
300	900 PRE-CAST	1200 PRE-CAST OR AS SPECIFIED
400	1000 PRE-CAST	1200 PRE-CAST OR AS SPECIFIED
500	1000 PRE-CAST	1200 PRE-CAST OR AS SPECIFIED
600	1200 PRE-CAST OR AS SPECIFIED	
800	1500 PRE-CAST OR AS SPECIFIED	
≥ 1000	D+1000 CAST INSITE AS SPECIFIED	



NOTES :
-COORDINATES SYSTEM: (JTM)
-ELEVATION DATUM: H(MSL)

Tender Drawings



REV. NO.	DATE	DESCRIPTION

KEY PLAN

The first step in the process is to identify the problem. This involves gathering information about the situation and the people involved. Once the problem is identified, the next step is to analyze it. This involves breaking the problem down into its component parts and determining the causes of the problem. Once the causes are identified, the next step is to develop a plan to address the problem. This involves determining the steps that need to be taken to solve the problem and assigning responsibility for each step. Finally, the plan is implemented and the results are monitored.

سلطة منطقة العقبة الاقتصادية الخاصة
AQABA SPECIAL ECONOMIC ZONE AUTHORITY

PROJECT NAME :
(عطاء رقم)
والخاص بتنفيذ أعمال تطوير البنية التحتية ضمن المنطقة التجارية الثانية (منطقة التقسيم) في مدينة العقبة

DRAWING NAME :

TYP. SEWER DETAILS (2/2)

Prepared By :

 **RUQN AL HANDASA**
Consulting Engineers
AMMAN - JORDAN
TEL : 4653344 FAX. : 4653342
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DESIGNED BY		TEAM WORK		
CHECKED BY		MOHMD KHATIBEH		4705
DRAWN BY		TEAM WORK		
SCALE: _____ SHEET SIZE: A1				
PLOT NO.	BASIN NO.	CAD FILE		
--	9 ALJAME'	SER._DC_X.REF_348		
ISSUE DATE	PROJECT NO.	DRAWING NO.	REV.	
MAR.2026	348	C34	A-3	