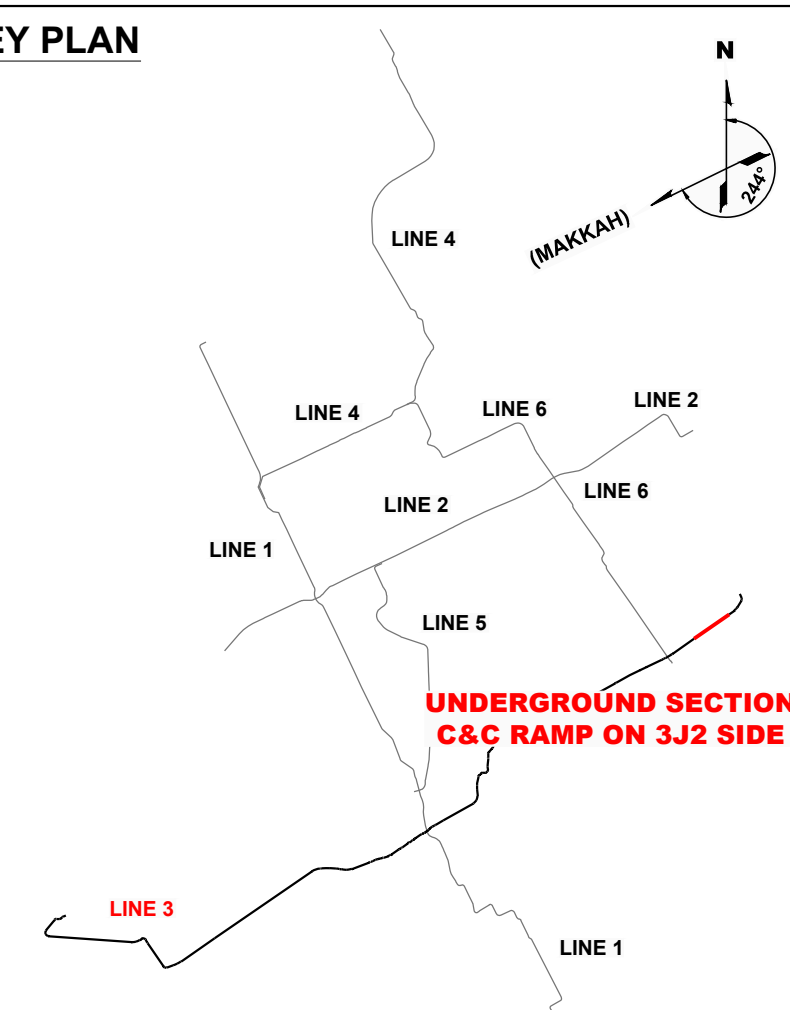
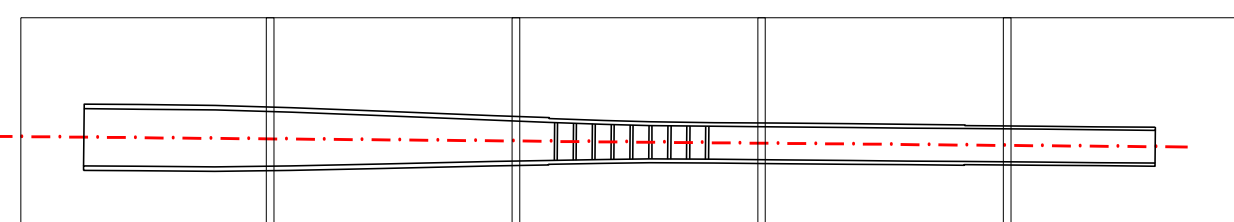
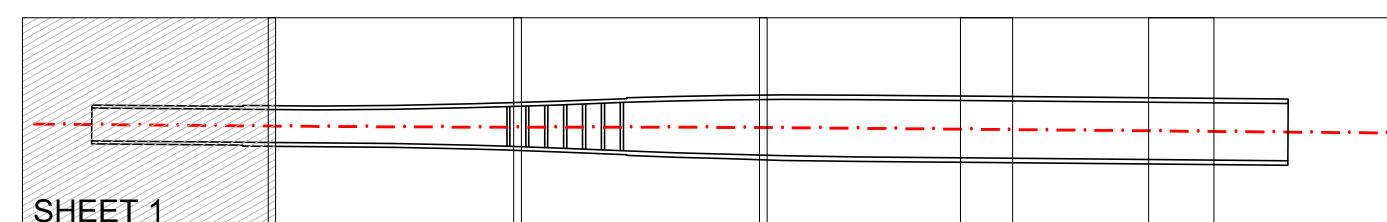
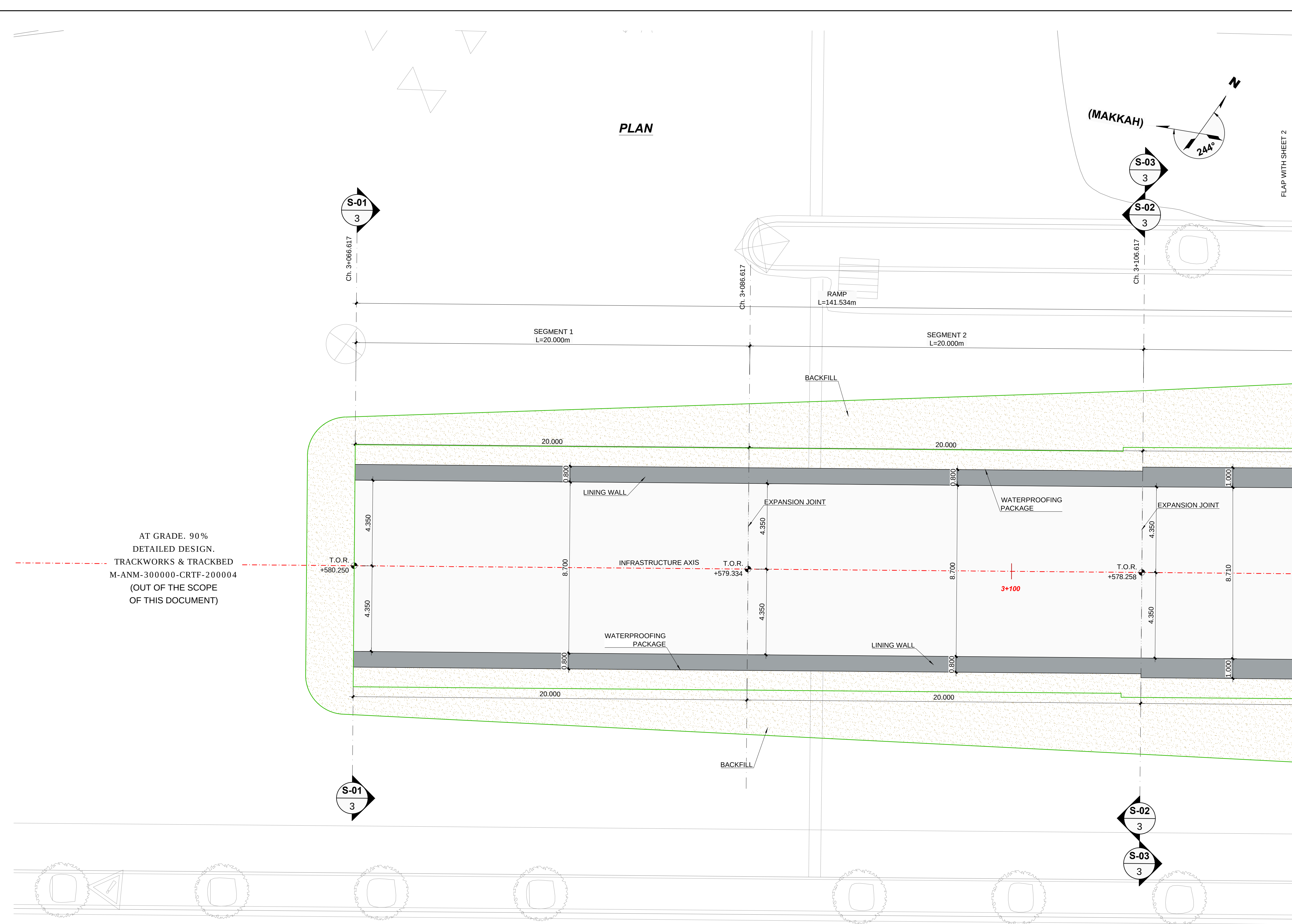




T.O.R.	TOP OF RAIL
	INFRASTRUCTURE AXIS
	LIMIT OF WORKS (L.O.W.)
	LIMIT OF EXCAVATION
	MICROPILES
	BACKFILL
	EXPANSION JOINT

1. DIMENSIONS IN METERS

2. FOR WATERPROOFING DETAILS SEE DRAWING:
"M-ANM-3J1TU2-CTCC-EDR-200010"

3. FOR SECTIONS "S-01", "S-02", "S-03" SEE DRAWING:
"M-ANM-3J1TU2-CTCC-EDR-200009". SHEET 1

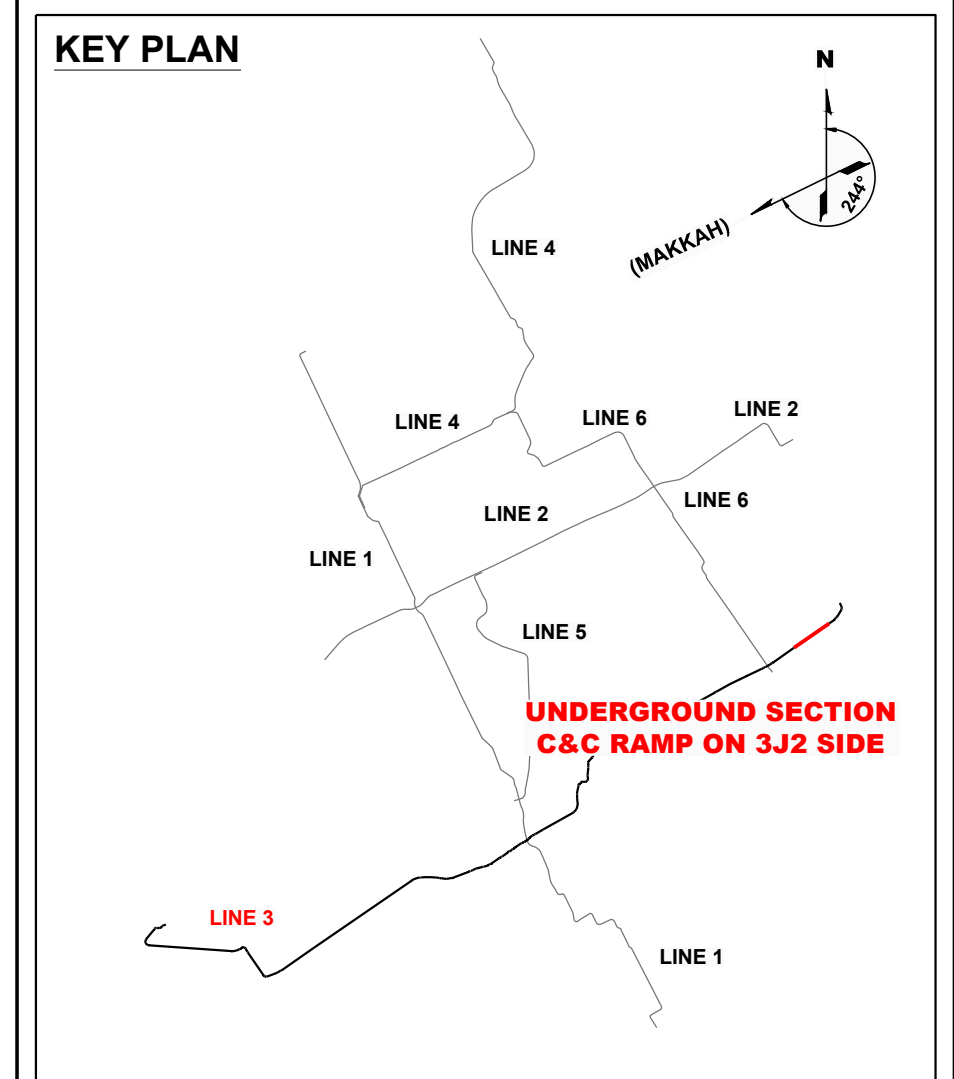
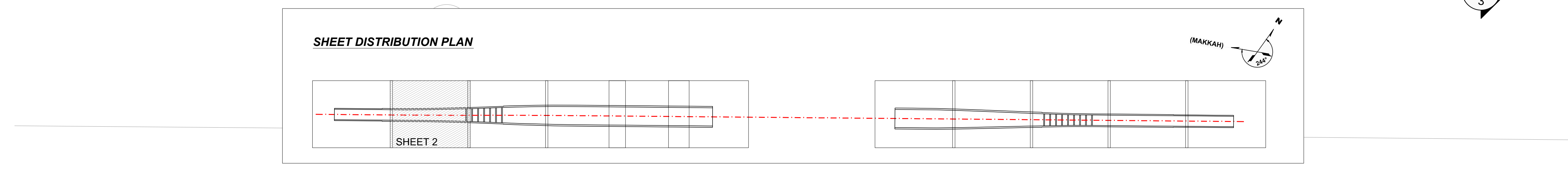
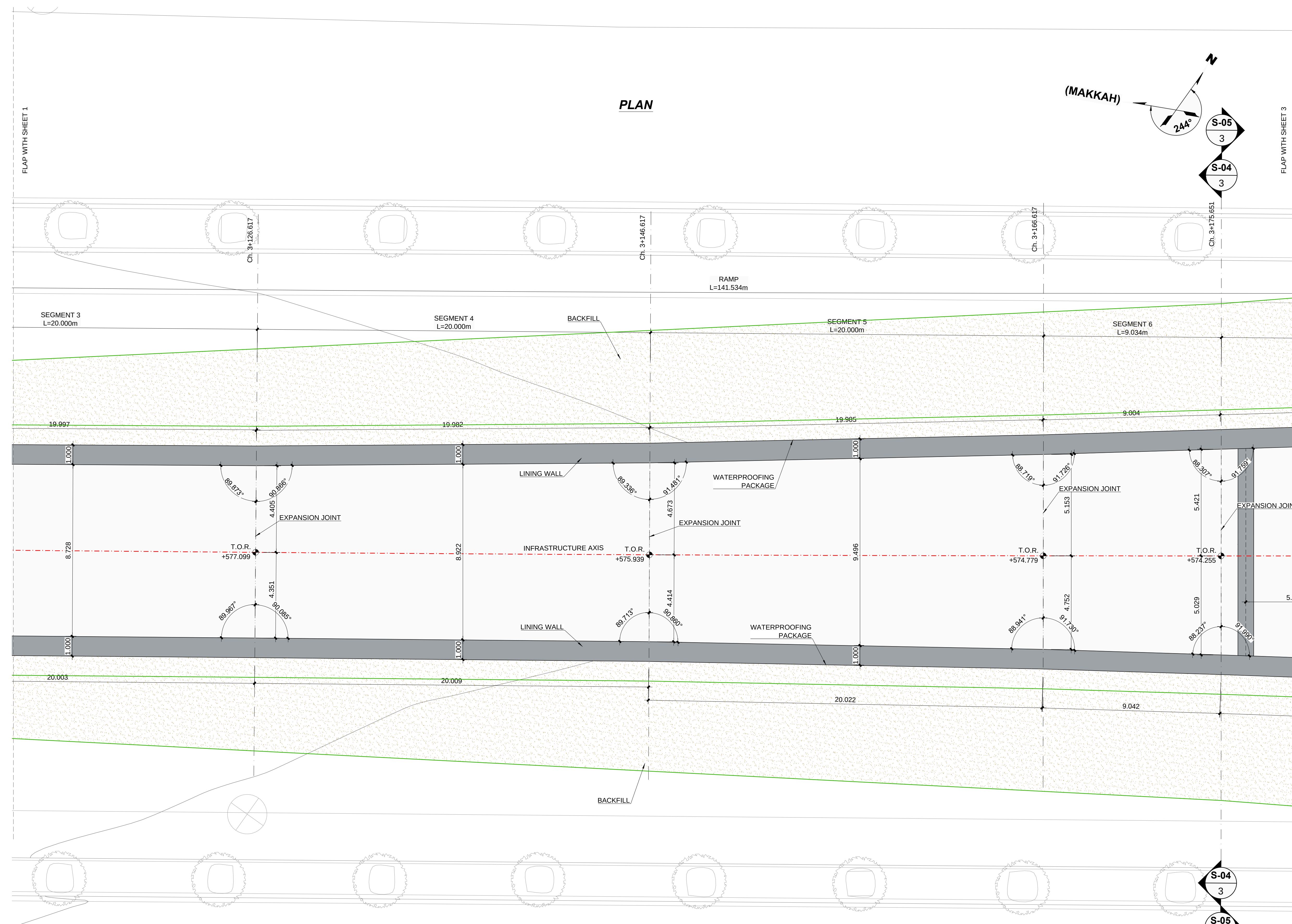
P1	01.04.2016	INTRA AND INTER-DISCIPLINARY CHECKS (IDC)		R.F.
REV.	DATE	DESCRIPTION		APPROVED BY

ORIGINATOR	CHECK	REVIEW	APPROVAL
M.G.N.	P.P.M.	R.R.L.	
DATE	SCALES		ORIGINAL SIZE A
APRIL 2016	A1= 1/100		
	A3= 1/200		
	0 2.5 5		

DRAWING

UNDERGROUND SECTION
90% DETAILED DESIGN
CUT AND COVER RAMP ON 3J2 SIDE
PERMANENT WORKS
GEOMETRICAL DEFINITION

ANM DRAWING NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	1 of
ALTERNATE DOCUMENT NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	1 of



LEGEND	
T.O.R.	TOP OF RAIL
---	INFRASTRUCTURE AXIS
---	LIMIT OF WORKS (L.O.W.)
---	LIMIT OF EXCAVATION
⊕	MICROPILES
█	BACKFILL
---	EXPANSION JOINT

- NOTES:**
- DIMENSIONS IN METERS
 - FOR WATERPROOFING DETAILS SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200010"
 - FOR SECTIONS "S-04", "S-05" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 2

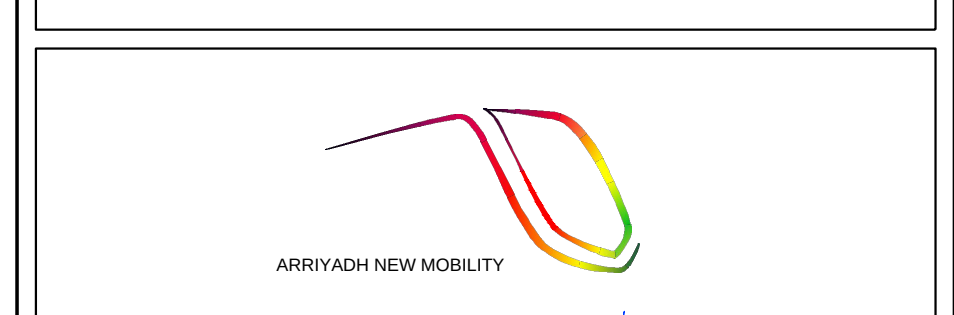
REV.	DATE	DESCRIPTION	APP.
P1	01.04.2016	INTRA AND INTER-DISCIPLINARY CHECKS (IDC)	R.R.L.

PROJECT

RIYADH METRO PROJECT

PACKAGE 2

LINE 3



ORIGINATOR	CHECK	REVIEW	APPROVAL
M.G.N.	P.P.M.	R.R.L.	
DATE	APRIL 2016	SCALES	ORIGINAL SIZE A1
		A1= 1/100	
		A3= 1/200	
		0 2.5 5m	

DRAWING

UNDERGROUND SECTION

90% DETAILED DESIGN

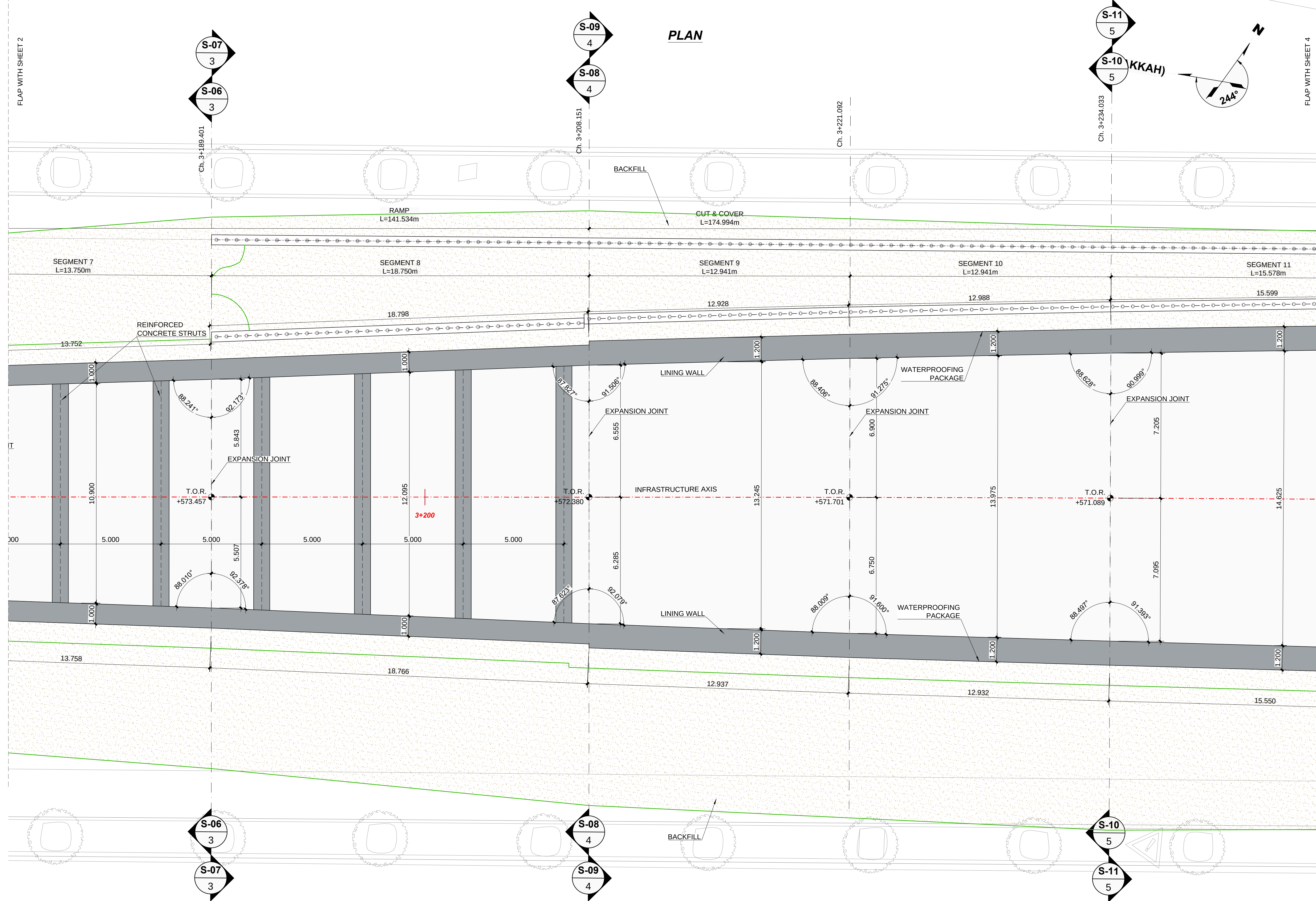
CUT AND COVER RAMP ON 3J2 SIDE

PERMANENT WORKS

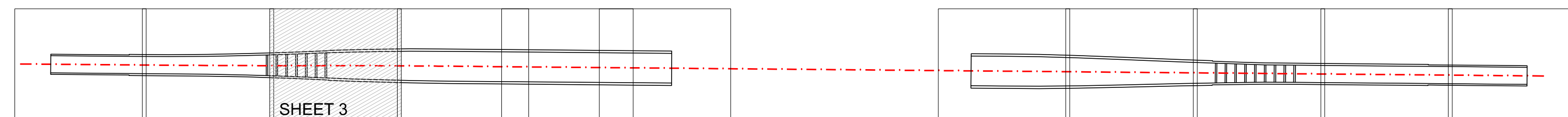
GEOMETRICAL DEFINITION

ANM DRAWING NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	2 of 11
ALTERNATE DOCUMENT NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	2 of 11

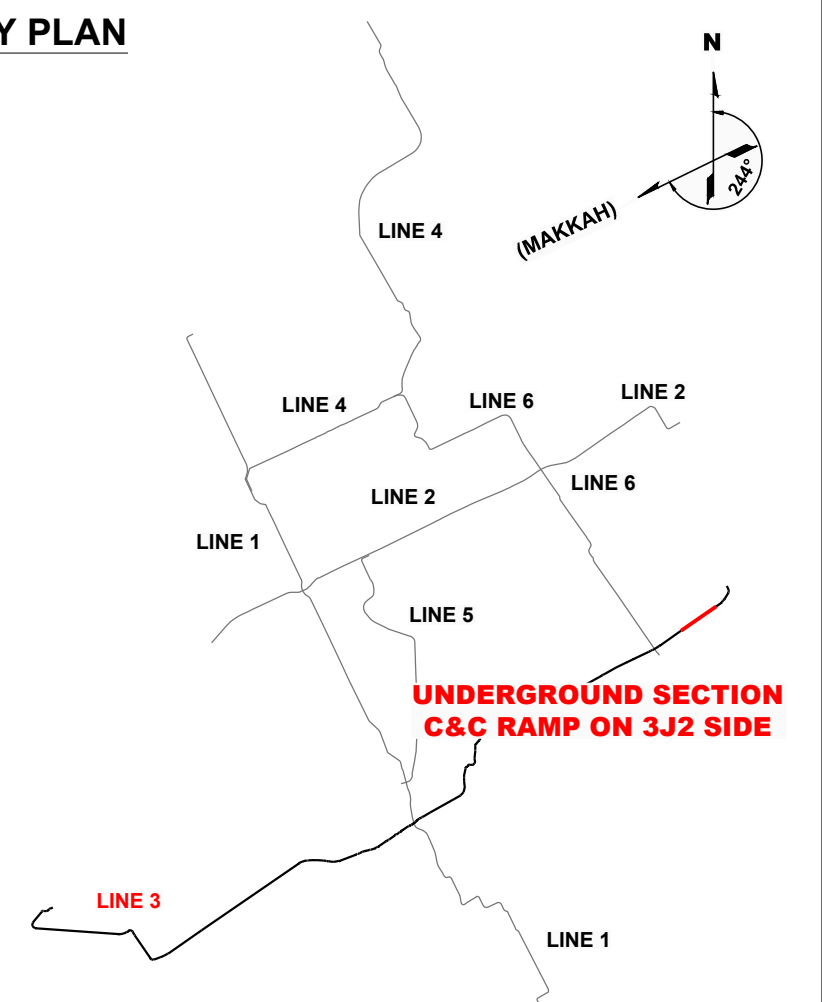
FLAP WITH SHEET 2



SHEET DISTRIBUTION PLAN



KEY PLAN



LEGEND

T.O.R.	TOP OF RAIL
— — —	INFRASTRUCTURE AXIS
— — —	LIMIT OF WORKS (L.O.W.)
— — —	LIMIT OF EXCAVATION
⊕	MICROPILES
⊕	BACKFILL
— — —	EXPANSION JOINT

NOTES:

- DIMENSIONS IN METERS
- FOR WATERPROOFING DETAILS SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200010"
- FOR SECTIONS "S-06", "S-07" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 2
- FOR SECTIONS "S-08", "S-09" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 3
- FOR SECTIONS "S-10", "S-11" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 4

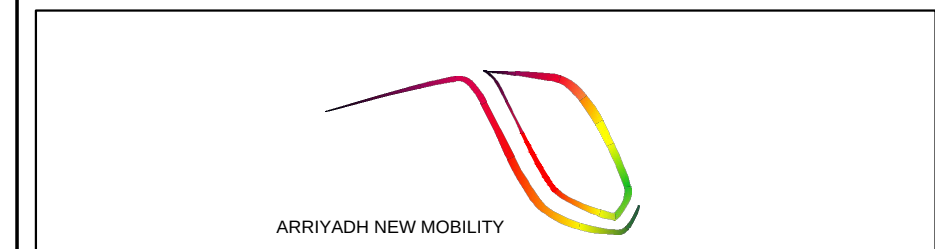
P1	01.04.2016	INTRA AND INTER-DISCIPLINARY CHECKS (IDC)	R.R.L.
REV.	DATE	DESCRIPTION	APP.

PROJECT

RIYADH METRO PROJECT

PACKAGE 2

LINE 3



ORIGINATOR	CHECK	REVIEW	APPROVAL
M.G.N.	P.P.M.	R.R.L.	
DATE	APRIL 2016	SCALES	ORIGINAL SIZE A1
		A1= 1/100	
		A3= 1/200	
		0	2.5 5m

DRAWING

UNDERGROUND SECTION

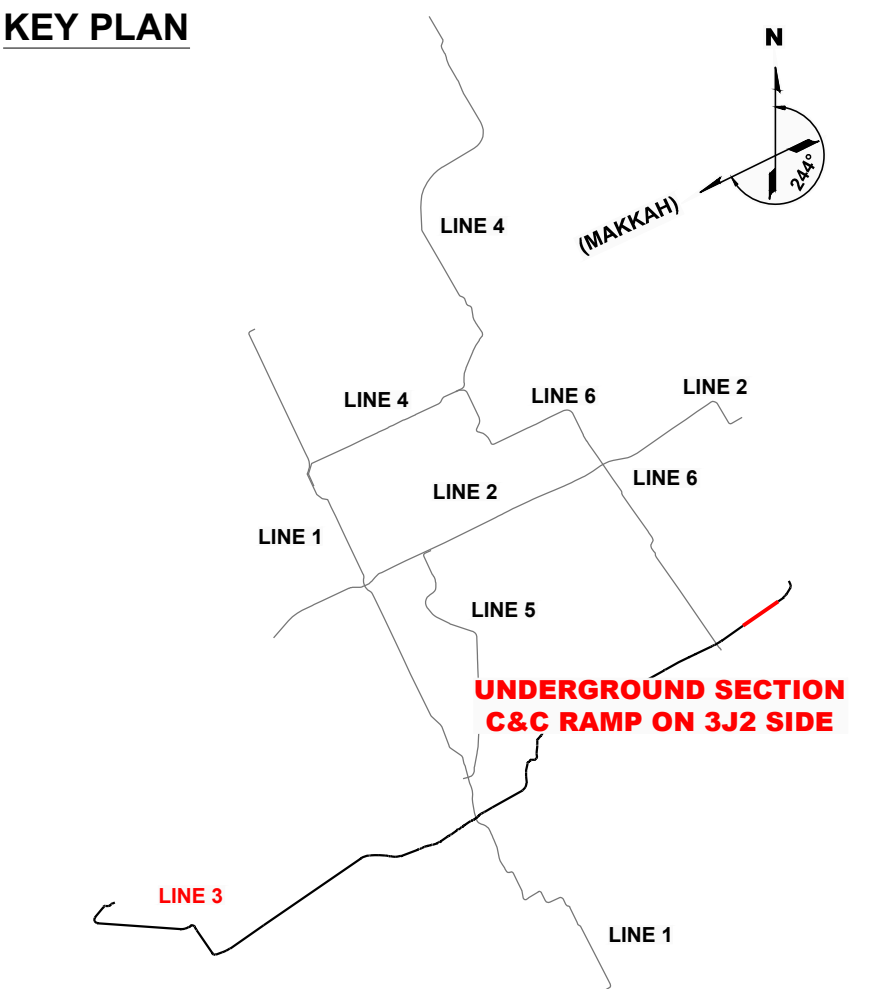
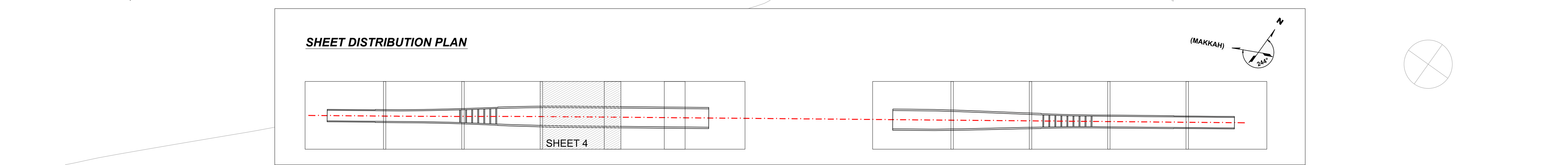
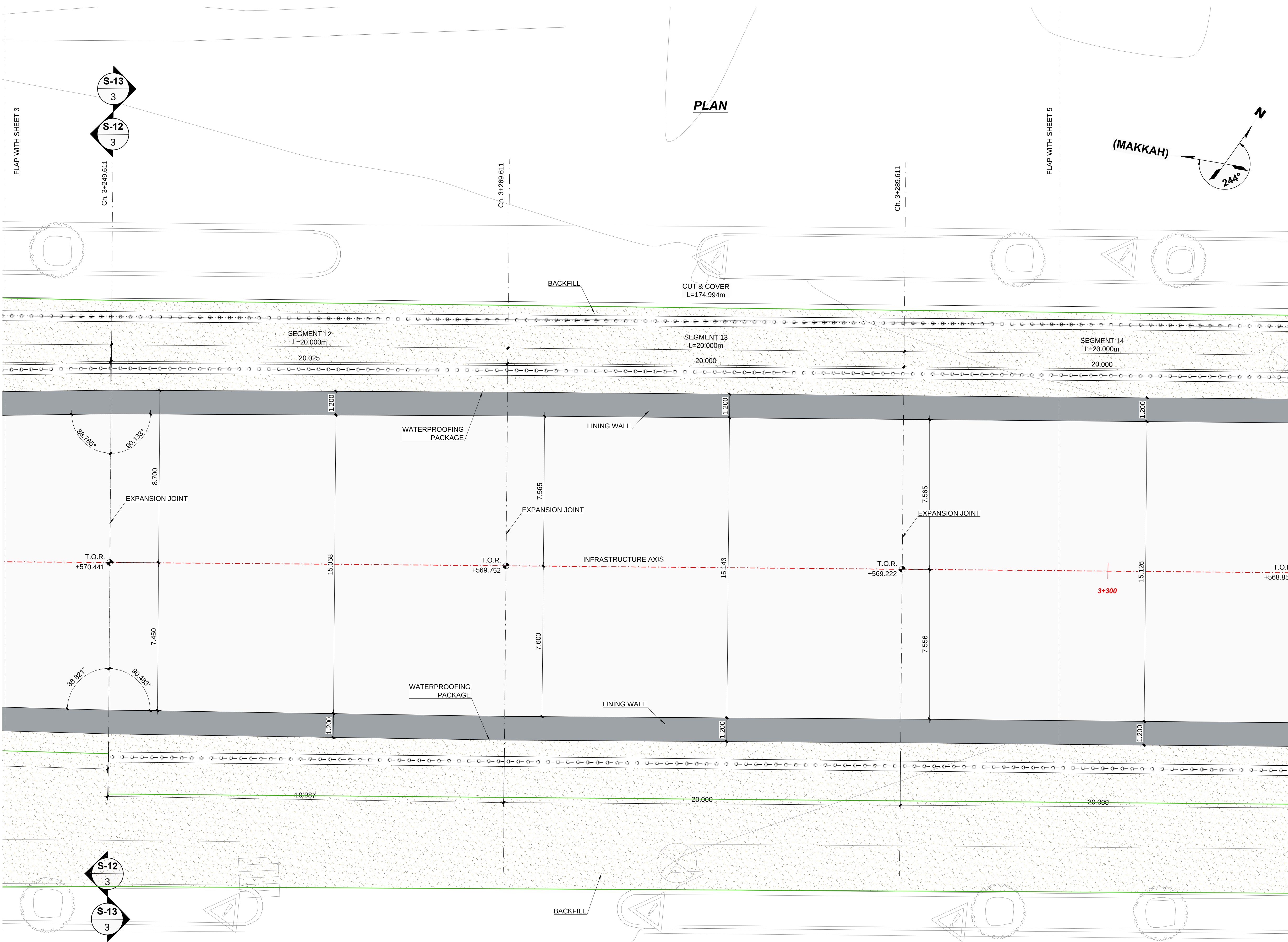
90% DETAILED DESIGN

CUT AND COVER RAMP ON 3J2 SIDE

PERMANENT WORKS

GEOMETRICAL DEFINITION

ANM DRAWING NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	3 of 11
ALTERNATE DOCUMENT NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	3 of 11



LEGEND

T.O.R.	TOP OF RAIL
— — —	INFRASTRUCTURE AXIS
— — —	LIMIT OF WORKS (L.O.W.)
— — —	LIMIT OF EXCAVATION
⊕	MICROPILES
■	BACKFILL
— — —	EXPANSION JOINT

- NOTES:**
- DIMENSIONS IN METERS
 - FOR WATERPROOFING DETAILS SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200010"
 - FOR SECTIONS "S-12", "S-13" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 5

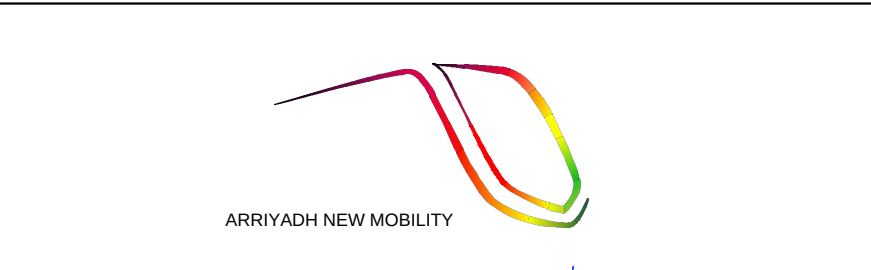
P1	01.04.2016	INTRA AND INTER-DISCIPLINARY CHECKS (IDC)	R.R.L.
REV.	DATE	DESCRIPTION	APP.

PROJECT

RIYADH METRO PROJECT

PACKAGE 2

LINE 3

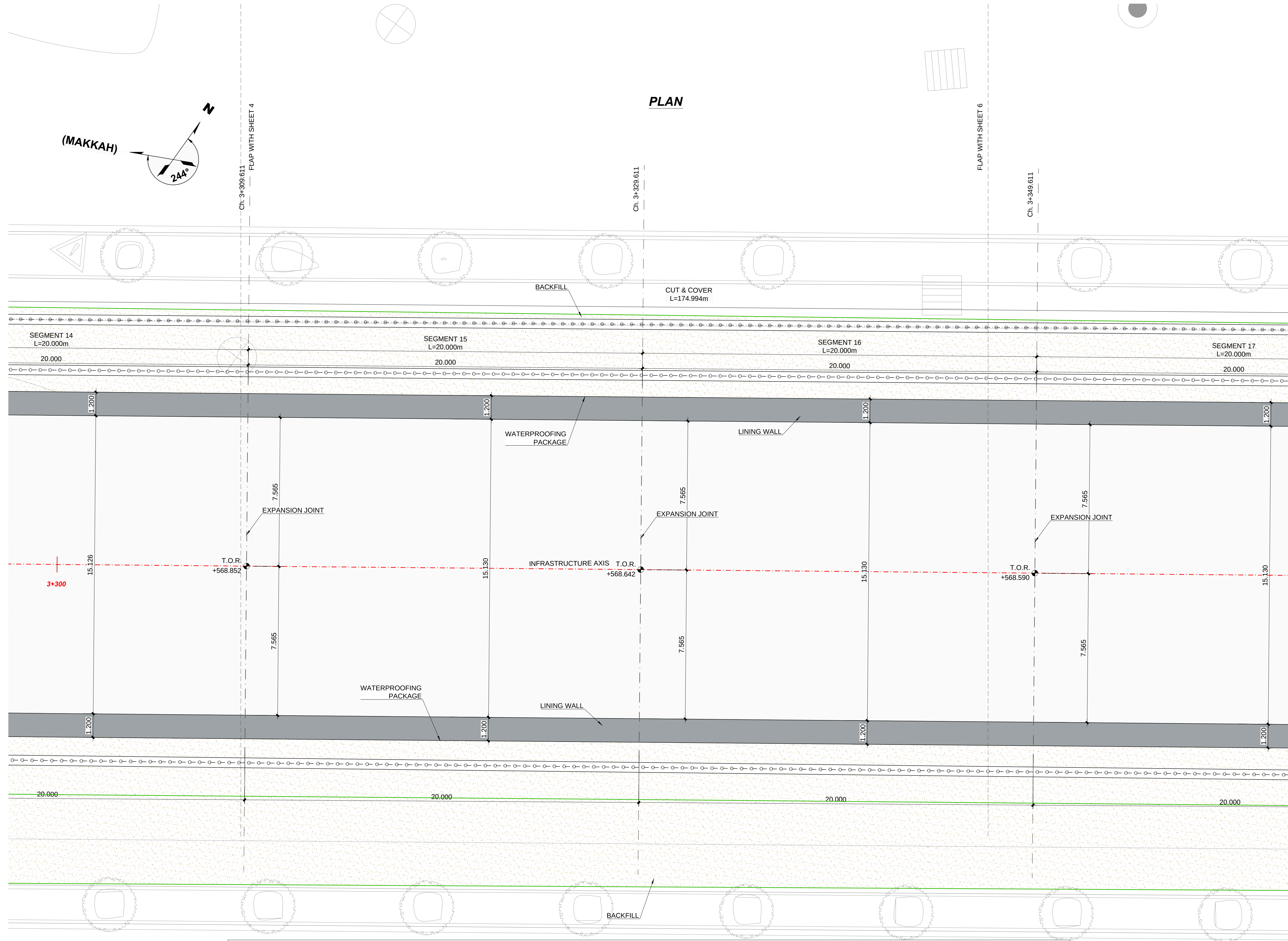


ORIGINATOR	CHECK	REVIEW	APPROVAL
M.G.N.	P.P.M.	R.R.L.	
DATE	APRIL 2016	SCALES	ORIGINAL SIZE A1
		A1= 1/100	
		A3= 1/200	
		0 2.5 5m	

DRAWING

UNDERGROUND SECTION
90% DETAILED DESIGN
CUT AND COVER RAMP ON 3J2 SIDE
PERMANENT WORKS
GEOMETRICAL DEFINITION

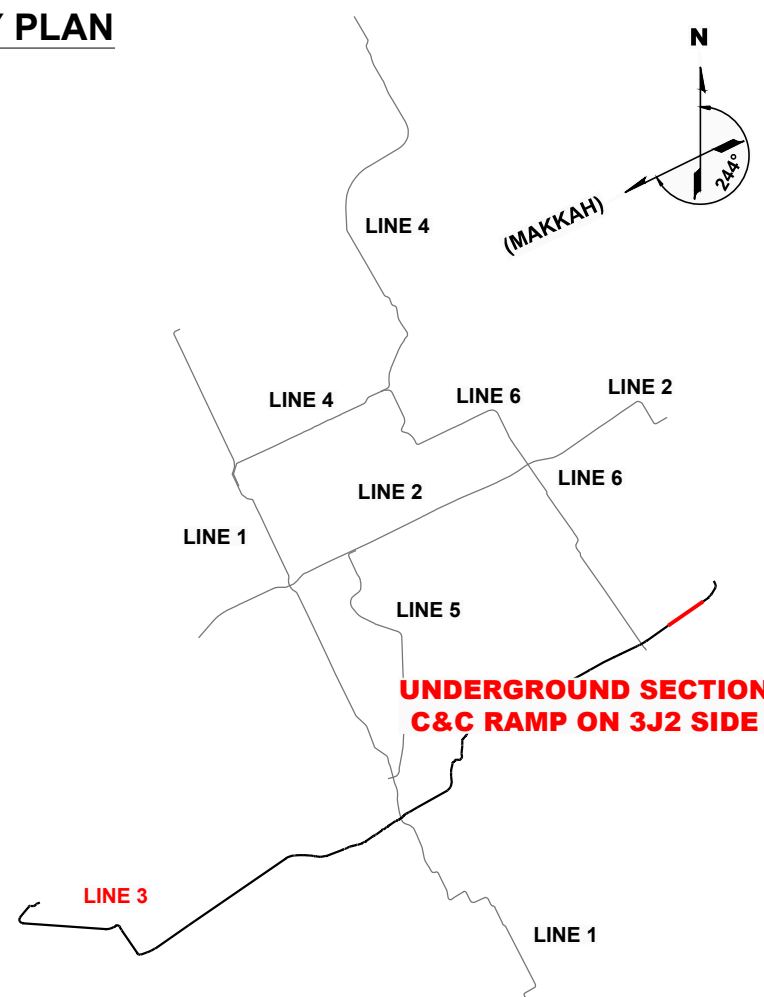
ANM DRAWING NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	4 of 11
ALTERNATE DOCUMENT NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	4 of 11



SHEET DISTRIBUTION PLAN



KEY PLAN



LEGEND

- T.O.R. TOP OF RAIL
- INFRASTRUCTURE AXIS
- LIMIT OF WORKS (L.O.W.)
- LIMIT OF EXCAVATION
- MICROPILES
- BACKFILL
- EXPANSION JOINT

NOTES:

- DIMENSIONS IN METERS
- FOR WATERPROOFING DETAILS SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200010"

REV.	DATE	DESCRIPTION	APP.
P1	01.04.2016	INTRA AND INTER-DISCIPLINARY CHECKS (IDC)	R.R.L.

PROJECT

RIYADH METRO PROJECT

PACKAGE 2

LINE 3

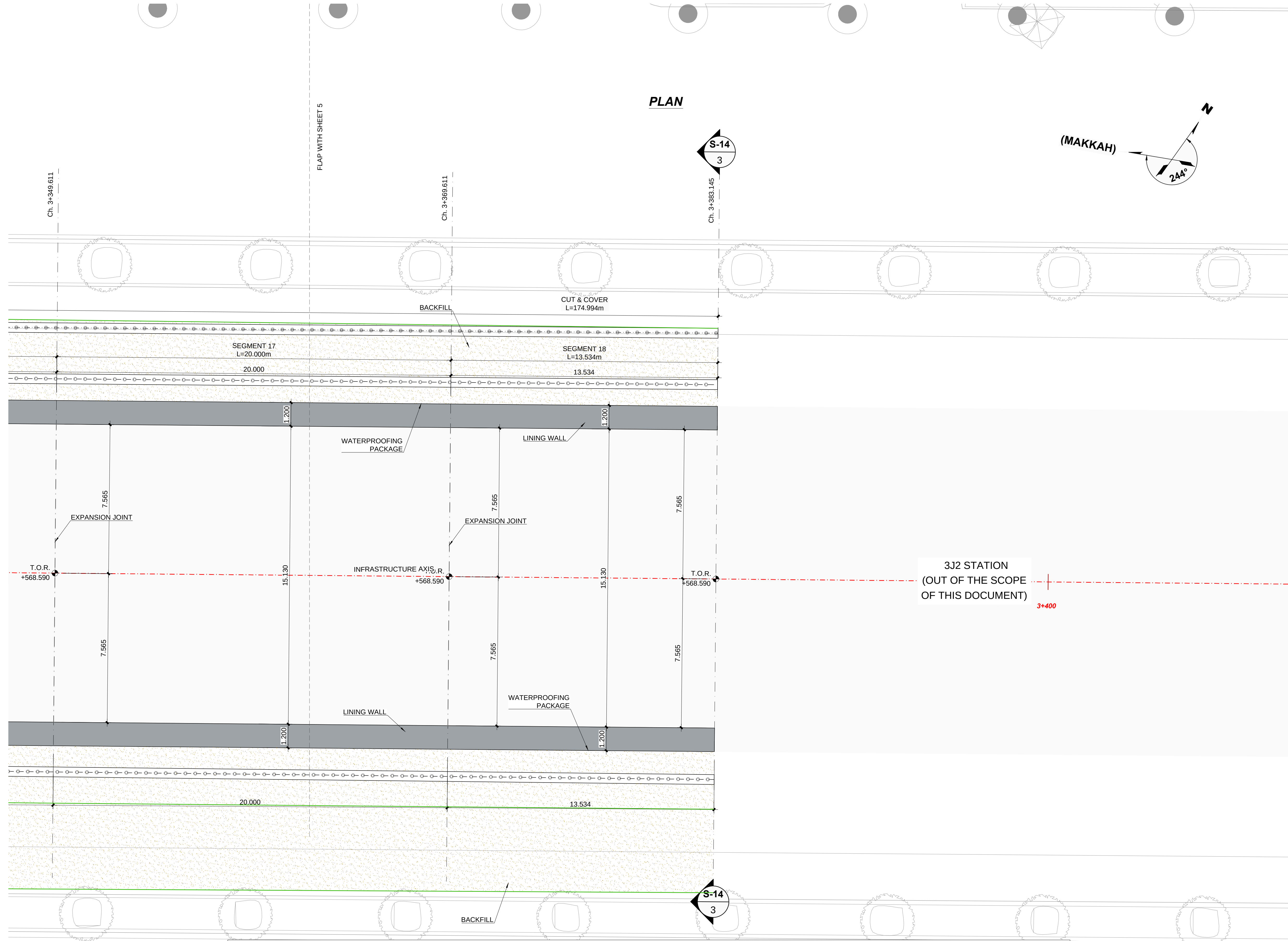


ORIGINATOR	CHECK	REVIEW	APPROVAL
M.G.N.	P.P.M.	R.R.L.	
DATE		SCALES	ORIGINAL SIZE A1
APRIL 2016		A1= 1/100 A3= 1/200 0 2.5 5m	

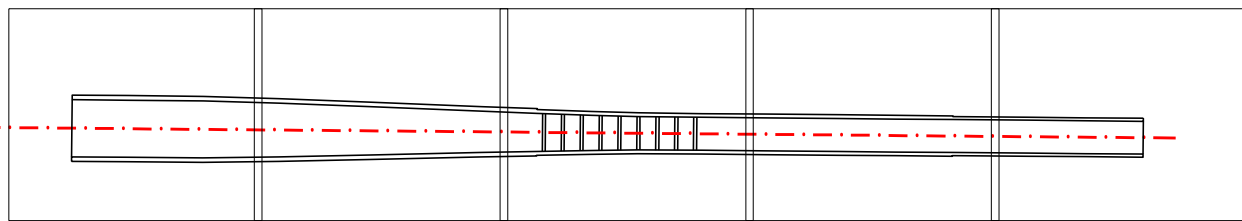
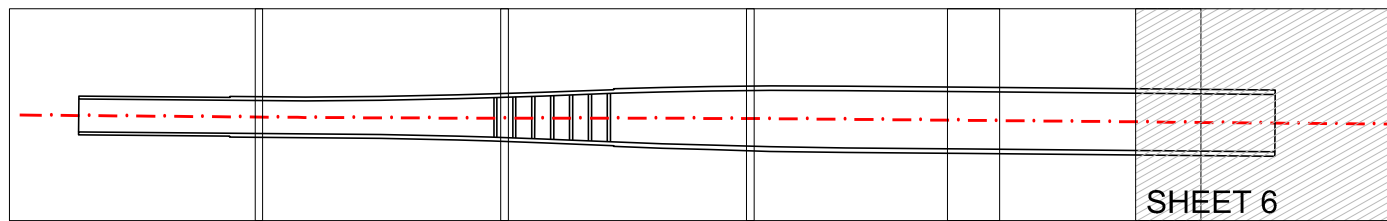
DRAWING

UNDERGROUND SECTION
90% DETAILED DESIGN
CUT AND COVER RAMP ON 3J2 SIDE
PERMANENT WORKS
GEOMETRICAL DEFINITION

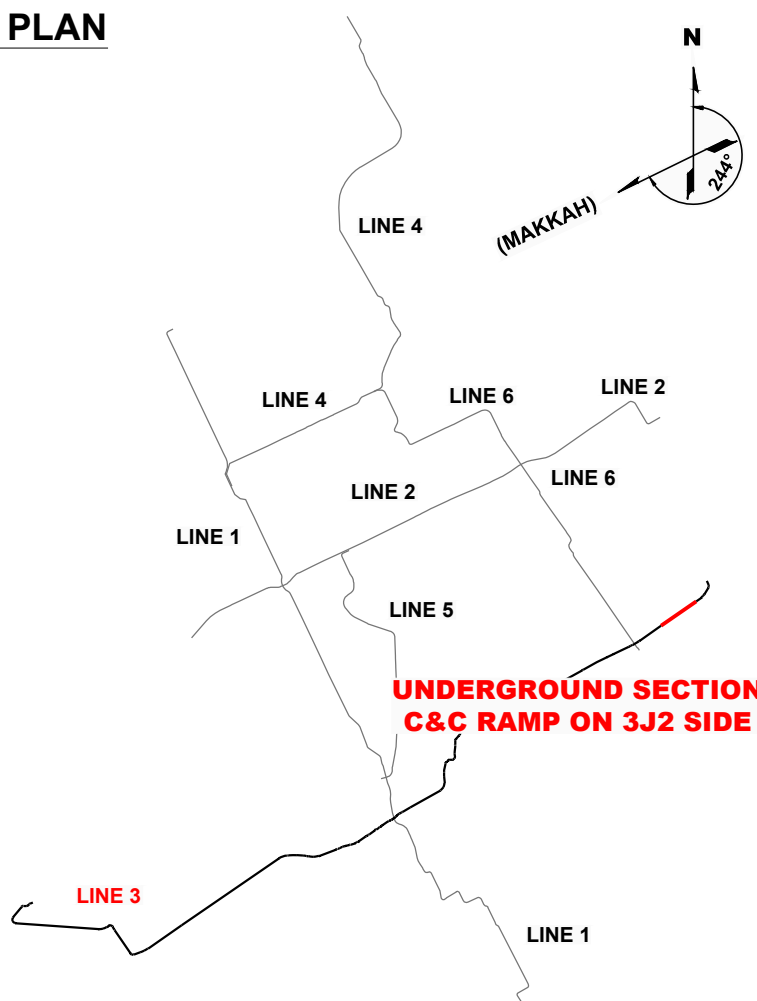
ANM DRAWING NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	5 of 11
ALTERNATE DOCUMENT NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	5 of 11



SHEET DISTRIBUTION PLAN



KEY PLAN



LEGEND

- T.O.R. TOP OF RAIL
- INFRASTRUCTURE AXIS
- LIMIT OF WORKS (L.O.W.)
- LIMIT OF EXCAVATION
- MICROPILES
- BACKFILL
- EXPANSION JOINT

NOTES:

- DIMENSIONS IN METERS
- FOR WATERPROOFING DETAILS SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200010"
- FOR SECTION "S-14" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 6

REV.	DATE	DESCRIPTION	APP.
P1	01.04.2016	INTRA AND INTER-DISCIPLINARY CHECKS (IDC)	R.R.L.

PROJECT

RIYADH METRO PROJECT

PACKAGE 2

LINE 3



ORIGINATOR	CHECK	REVIEW	APPROVAL
M.G.N.	P.P.M.	R.R.L.	
DATE	APRIL 2016	SCALES	ORIGINAL SIZE A1
		A1= 1/100	
		A3= 1/200	
		0 2.5 5m	

DRAWING

UNDERGROUND SECTION

90% DETAILED DESIGN

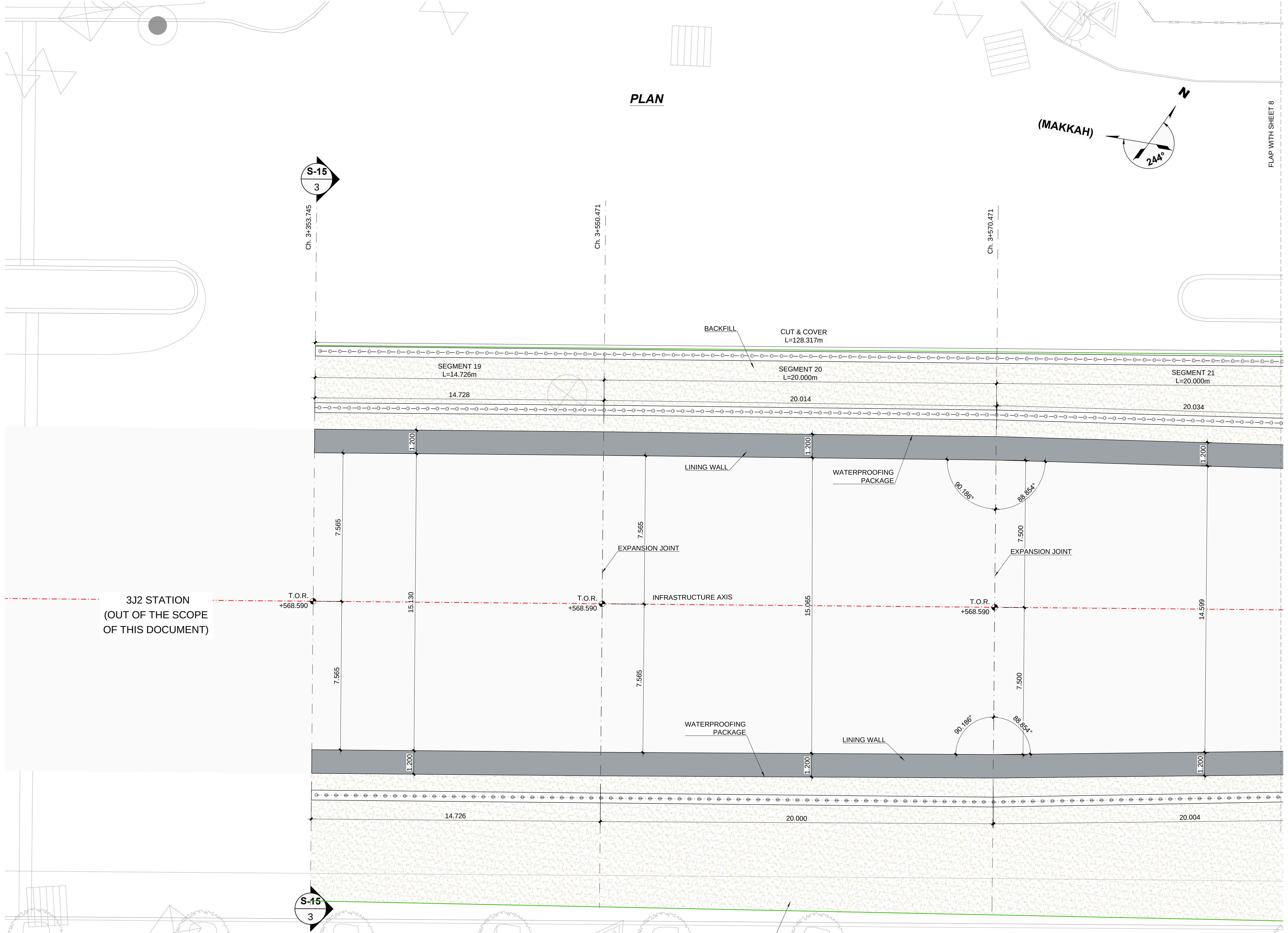
CUT AND COVER RAMP ON 3J2 SIDE

PERMANENT WORKS

GEOMETRICAL DEFINITION

ANM DRAWING NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	6 of 11
ALTERNATE DOCUMENT NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	6 of 11

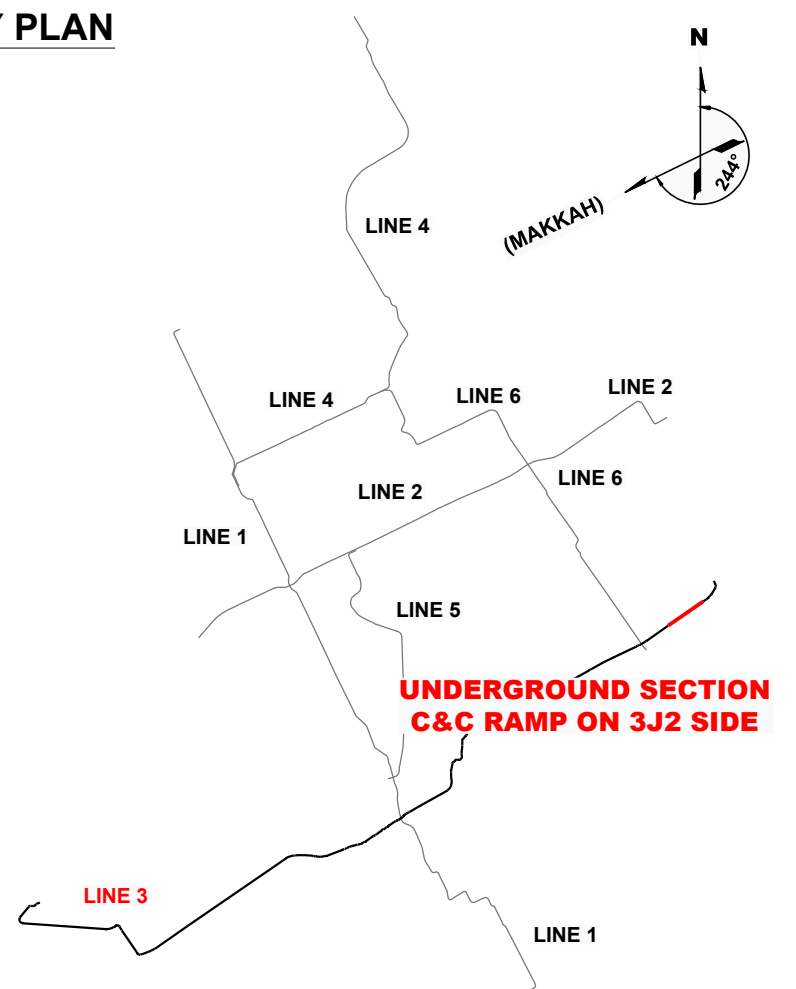
PLAN



SHEET DISTRIBUTION PLAN



KEY PLAN



LEGEND

- T.O.R. TOP OF RAIL
- INFRASTRUCTURE AXIS
- LIMIT OF WORKS (L.O.W.)
- LIMIT OF EXCAVATION
- MICROPILES
- BACKFILL
- EXPANSION JOINT

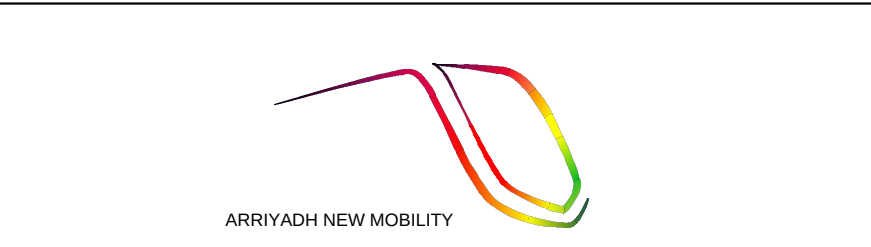
NOTES:

- DIMENSIONS IN METERS
- FOR WATERPROOFING DETAILS SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200010"
- FOR SECTION "S-15" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 7

REV.	DATE	DESCRIPTION	APP.
P1	01.04.2016	INTRA AND INTER-DISCIPLINARY CHECKS (IDC)	R.R.L.

PROJECT

RIYADH METRO PROJECT
PACKAGE 2
LINE 3



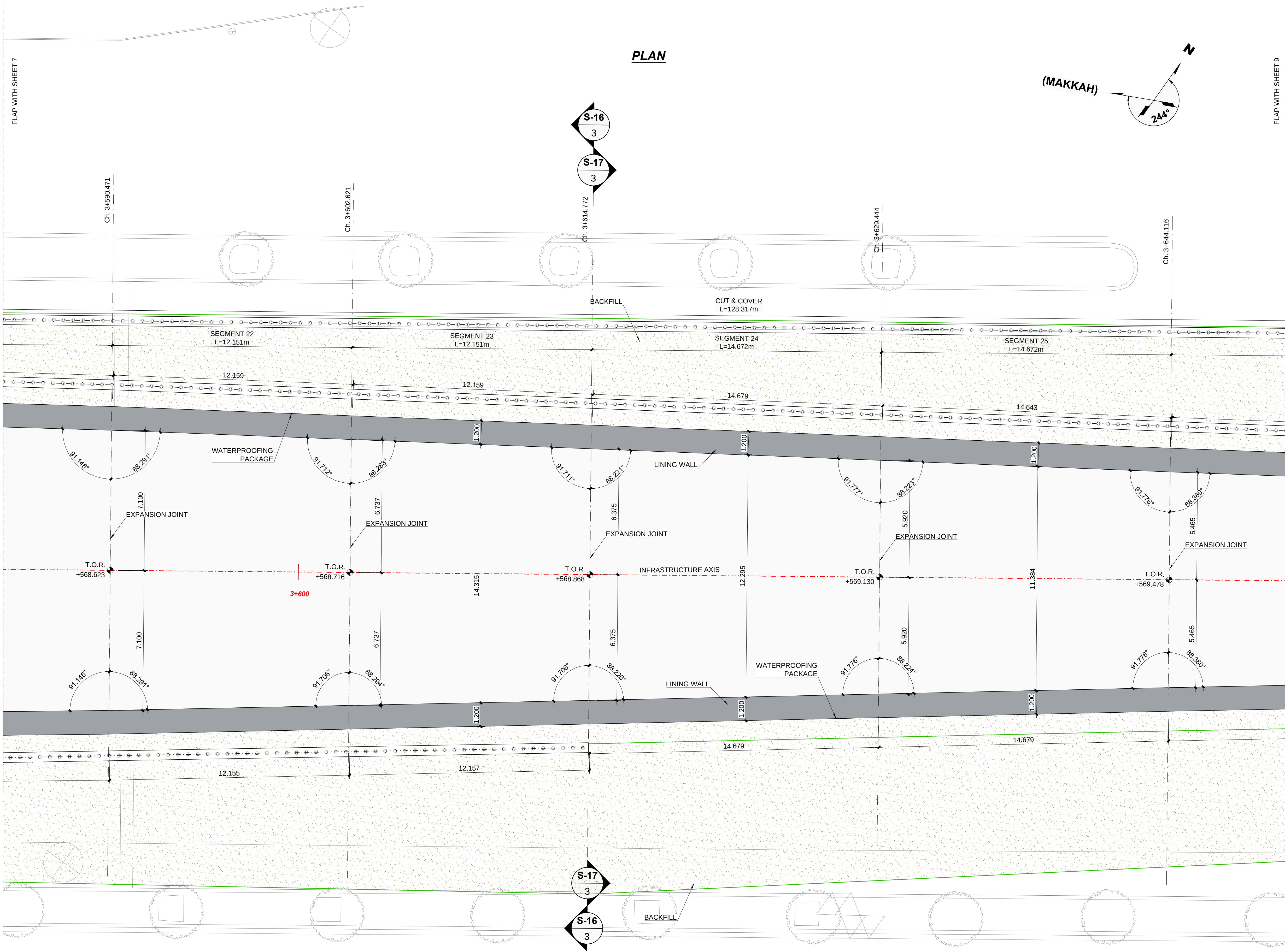
ORIGINATOR	CHECK	REVIEW	APPROVAL
M.G.N.	P.P.M.	R.R.L.	
DATE		SCALES	ORIGINAL SIZE A1
APRIL 2016		A1= 1/100 A3= 1/200	
		0 2.5 5m	

DRAWING

UNDERGROUND SECTION
90% DETAILED DESIGN
CUT AND COVER RAMP ON 3J2 SIDE
PERMANENT WORKS
GEOMETRICAL DEFINITION

ANM DRAWING NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	7 of 11
ALTERNATE DOCUMENT NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	7 of 11

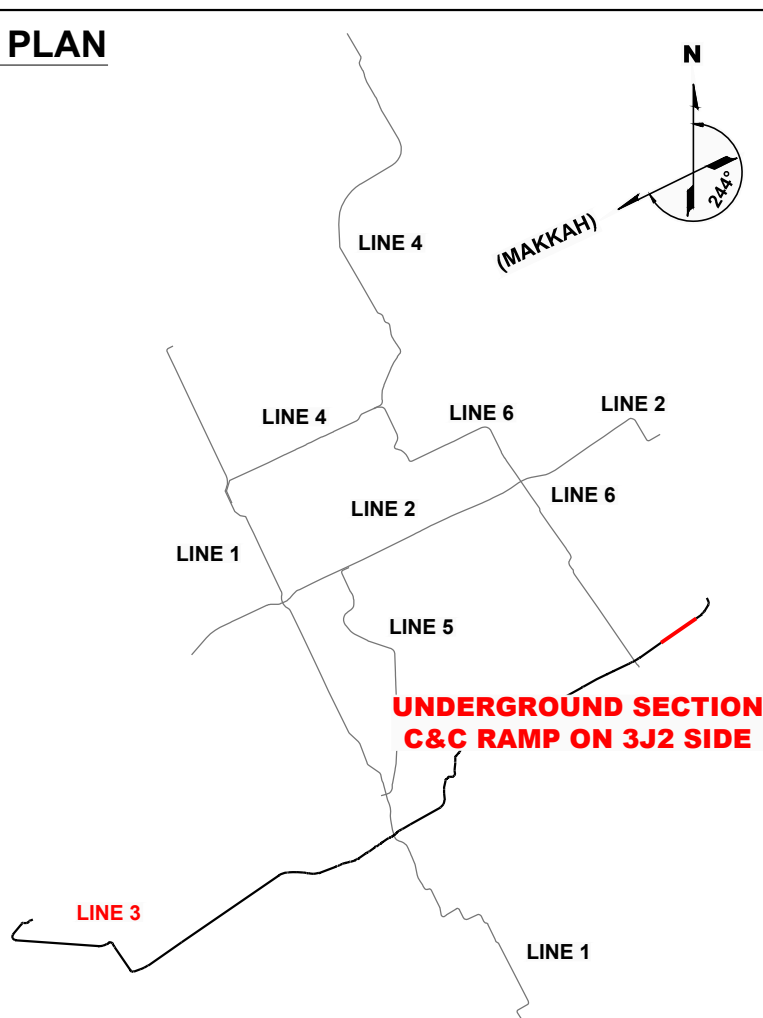
PLAN



SHEET DISTRIBUTION PLAN



KEY PLAN



LEGEND

- T.O.R. TOP OF RAIL
- INFRASTRUCTURE AXIS
- LIMIT OF WORKS (L.O.W.)
- LIMIT OF EXCAVATION
- MICROPILES
- BACKFILL
- EXPANSION JOINT

NOTES:

- DIMENSIONS IN METERS
- FOR WATERPROOFING DETAILS SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200010"
- FOR SECTIONS "S-16", "S-17" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 8

REV.	DATE	DESCRIPTION	APP.
P1	01.04.2016	INTRA AND INTER-DISCIPLINARY CHECKS (IDC)	R.R.L.

PROJECT
RIYADH METRO PROJECT
PACKAGE 2
LINE 3

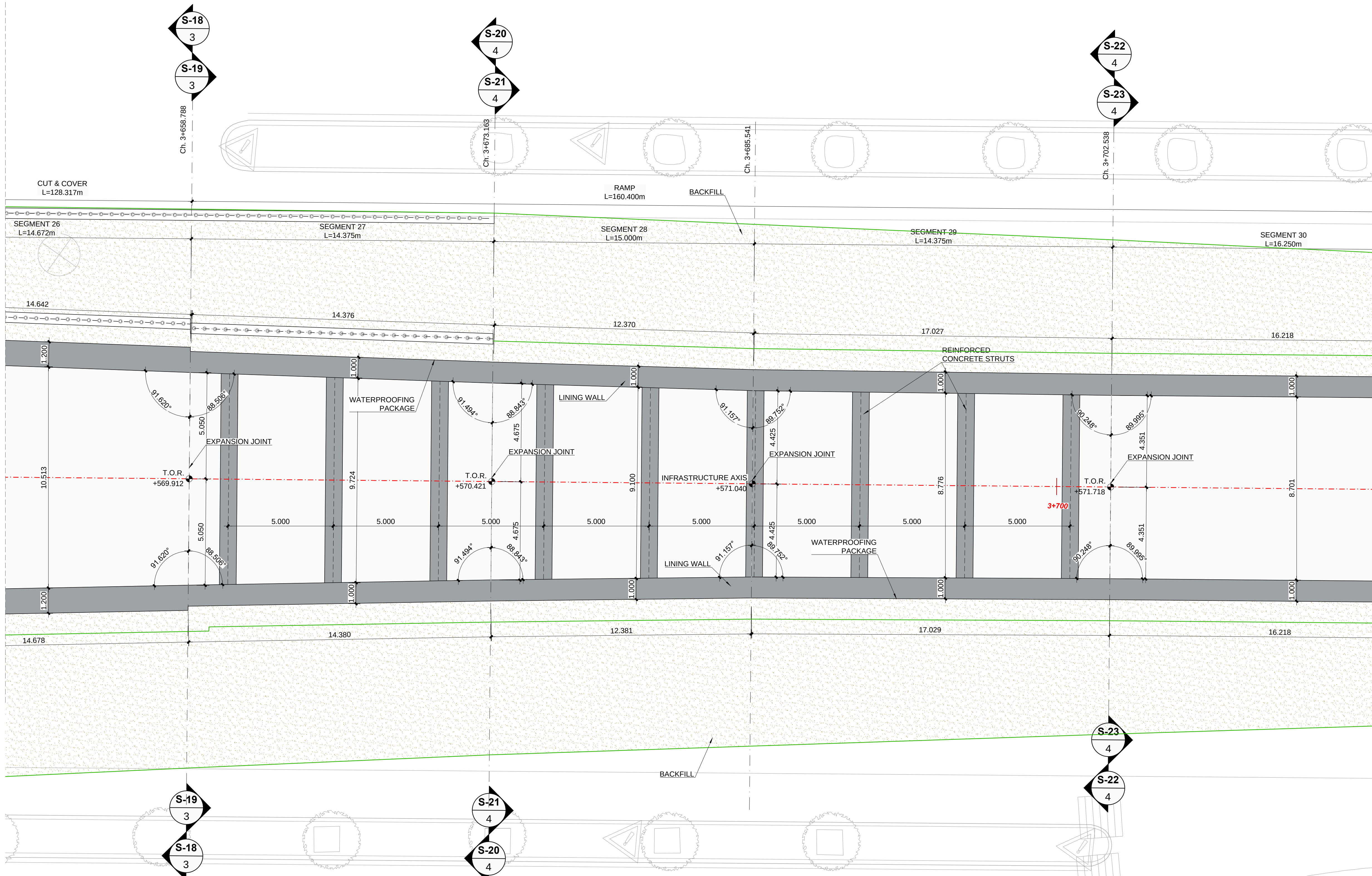


ORIGINATOR	CHECK	REVIEW	APPROVAL
M.G.N.	P.P.M.	R.R.L.	
DATE		SCALES	ORIGINAL SIZE A1
APRIL 2016		A1= 1/100 A3= 1/200 0 2.5 5m	

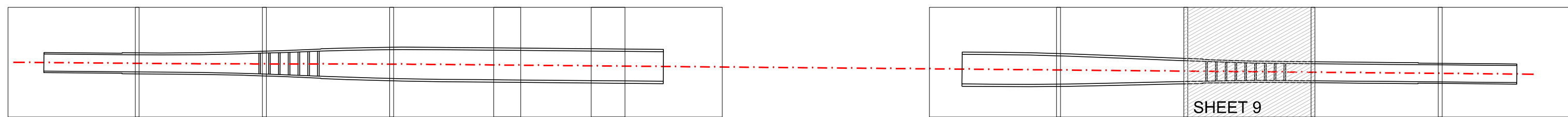
DRAWING
UNDERGROUND SECTION
90% DETAILED DESIGN
CUT AND COVER RAMP ON 3J2 SIDE
PERMANENT WORKS
GEOMETRICAL DEFINITION

ANM DRAWING NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	8 of 11
ALTERNATE DOCUMENT NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	8 of 11

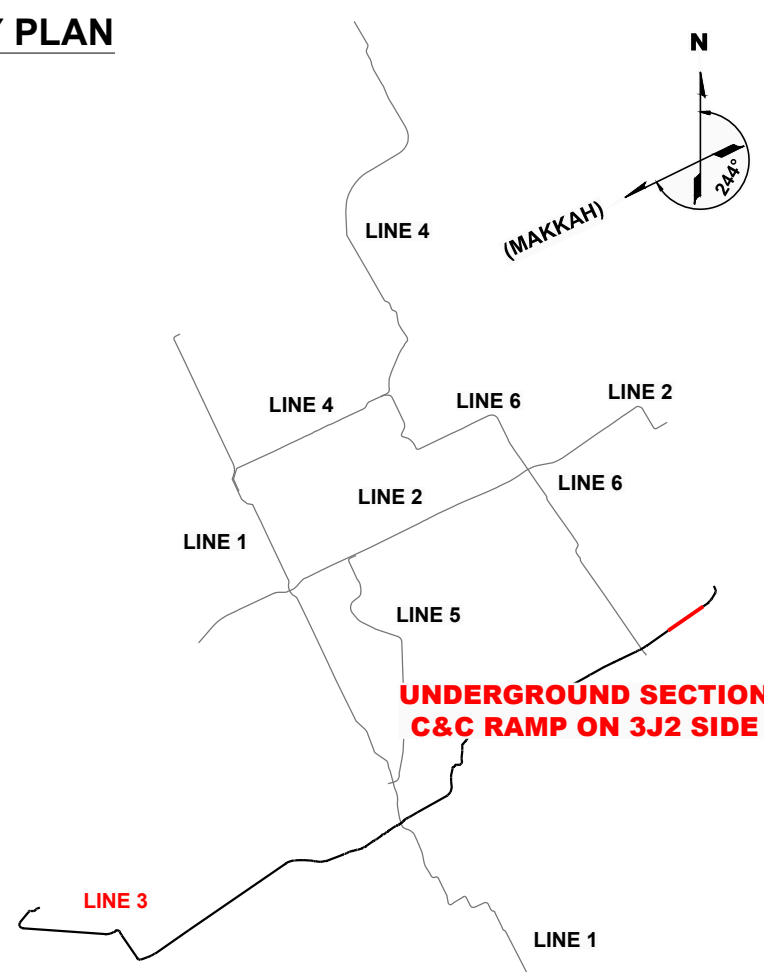
PLAN



SHEET DISTRIBUTION PLAN



KEY PLAN



LEGEND

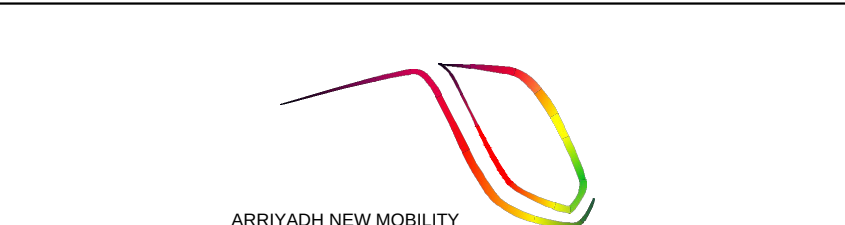
- T.O.R. TOP OF RAIL
INFRASTRUCTURE AXIS
LIMIT OF WORKS (L.O.W.)
LIMIT OF EXCAVATION
MICROPILES
BACKFILL
EXPANSION JOINT

NOTES:

1. DIMENSIONS IN METERS
2. FOR WATERPROOFING DETAILS SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200010"
3. FOR SECTIONS "S-18", "S-19" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 9
4. FOR SECTIONS "S-20", "S-21", "S-22", "S-23" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 10

P1	01.04.2016	INTRA AND INTER-DISCIPLINARY CHECKS (IDC)	R.R.L.
REV.	DATE	DESCRIPTION	APP.

PROJECT
RIYADH METRO PROJECT
PACKAGE 2
LINE 3



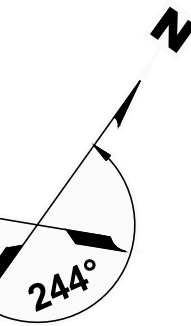
ORIGINATOR	CHECK	REVIEW	APPROVAL
M.G.N.	P.P.M.	R.R.L.	
DATE	APRIL 2016	SCALES	ORIGINAL SIZE A1
		A1= 1/100 A3= 1/200	
		0 2.5 5m	

DRAWING
UNDERGROUND SECTION
90% DETAILED DESIGN
CUT AND COVER RAMP ON 3J2 SIDE
PERMANENT WORKS
GEOMETRICAL DEFINITION

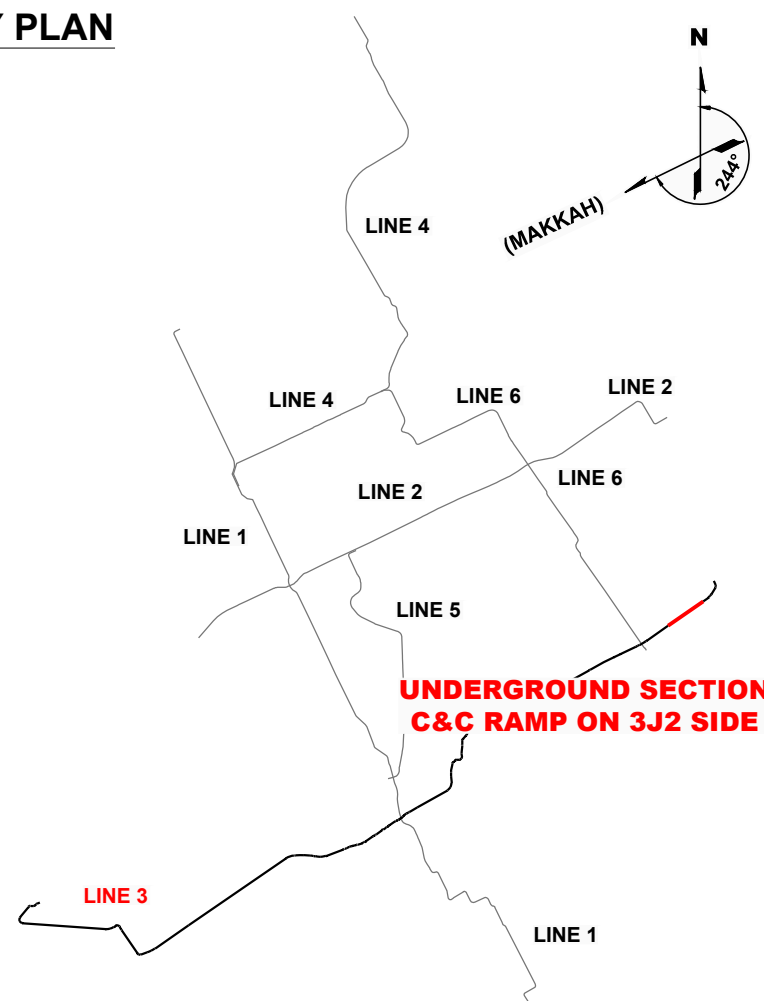
ANM DRAWING NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	9 of 11
ALTERNATE DOCUMENT NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	9 of 11

PLAN

(MAKKAH)



KEY PLAN



LEGEND

- T.O.R. TOP OF RAIL
- INFRASTRUCTURE AXIS
- LIMIT OF WORKS (L.O.W.)
- LIMIT OF EXCAVATION
- MICROPILES
- BACKFILL
- EXPANSION JOINT

NOTES:

- DIMENSIONS IN METERS
- FOR WATERPROOFING DETAILS SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200010"
- FOR SECTIONS "S-24", "S-25" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 11

REV.	DATE	DESCRIPTION	APP.
P1	01.04.2016	INTRA AND INTER-DISCIPLINARY CHECKS (IDC)	R.R.L.

PROJECT
RIYADH METRO PROJECT
PACKAGE 2
LINE 3

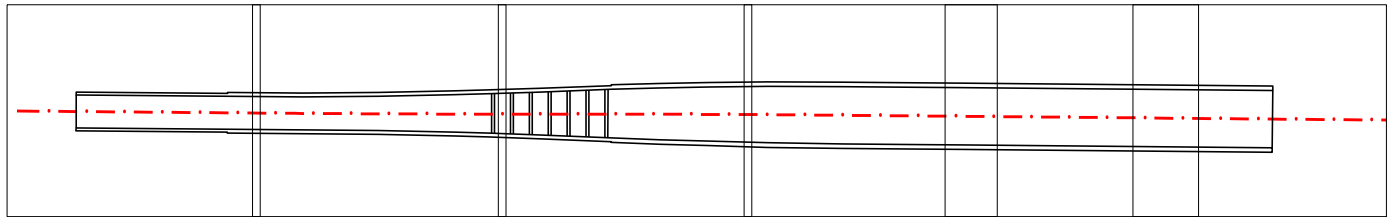


ORIGINATOR	CHECK	REVIEW	APPROVAL
M.G.N.	P.P.M.	R.R.L.	
DATE		SCALES	ORIGINAL SIZE A1
APRIL 2016		A1= 1/100 A3= 1/200 0 2.5 5m	

DRAWING
UNDERGROUND SECTION
90% DETAILED DESIGN
CUT AND COVER RAMP ON 3J2 SIDE
PERMANENT WORKS
GEOMETRICAL DEFINITION

ANM DRAWING NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	10 of 11
ALTERNATE DOCUMENT NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	10 of 11

SHEET DISTRIBUTION PLAN



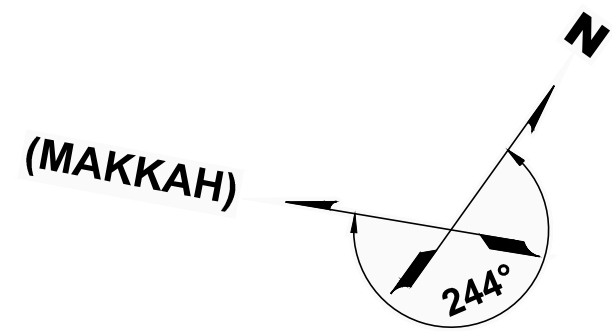
SHEET 10

(MAKKAH)

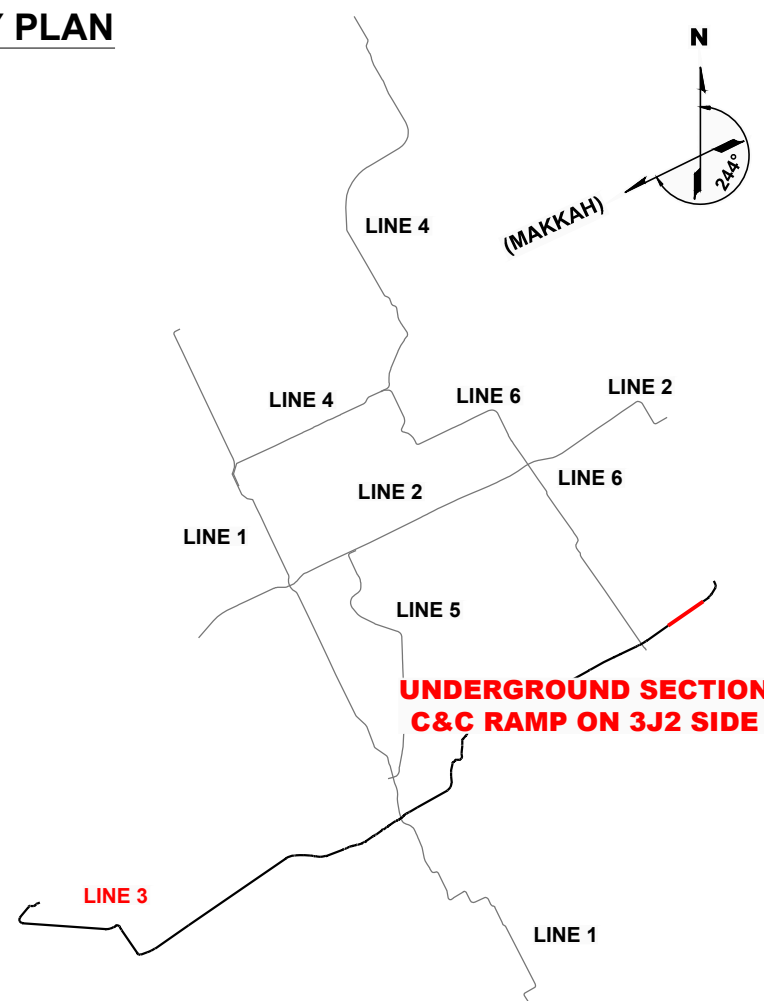
S-25

S-24

PLAN



KEY PLAN



LEGEND

- T.O.R. TOP OF RAIL
- INFRASTRUCTURE AXIS
- LIMIT OF WORKS (L.O.W.)
- LIMIT OF EXCAVATION
- MICROPILES
- BACKFILL
- EXPANSION JOINT

NOTES:

- DIMENSIONS IN METERS
- FOR WATERPROOFING DETAILS SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200010"
- FOR SECTION "S-26" SEE DRAWING: "M-ANM-3J1TU2-CTCC-EDR-200009", SHEET 11

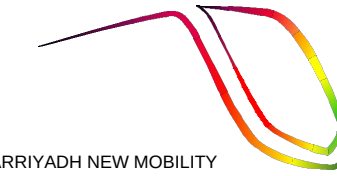
REV.	DATE	DESCRIPTION	APP.
P1	01.04.2016	INTRA AND INTER-DISCIPLINARY CHECKS (IDC)	R.R.L.

PROJECT

RIYADH METRO PROJECT

PACKAGE 2

LINE 3



ORIGINATOR	CHECK	REVIEW	APPROVAL
M.G.N.	P.P.M.	R.R.L.	
DATE	APRIL 2016	SCALES	ORIGINAL SIZE A1
		A1= 1/100	
		A3= 1/200	
		0 2.5 5m	

DRAWING

UNDERGROUND SECTION

90% DETAILED DESIGN

CUT AND COVER RAMP ON 3J2 SIDE

PERMANENT WORKS

GEOMETRICAL DEFINITION

ANM DRAWING NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	11 of 11
ALTERNATE DOCUMENT NUMBER	REVISION	SHEET
M-ANM-3J1TU2-CTCC-EDR-200007	P1	11 of 11

SHEET DISTRIBUTION PLAN

