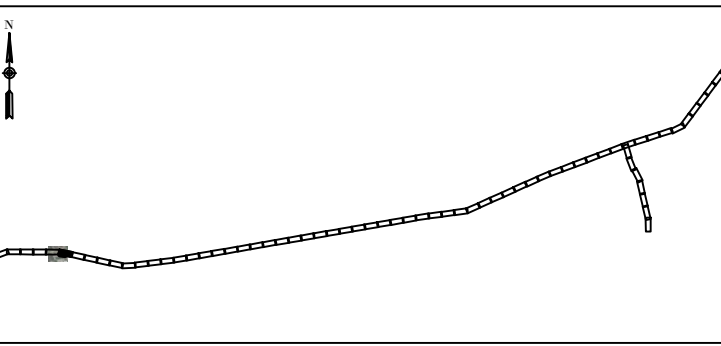
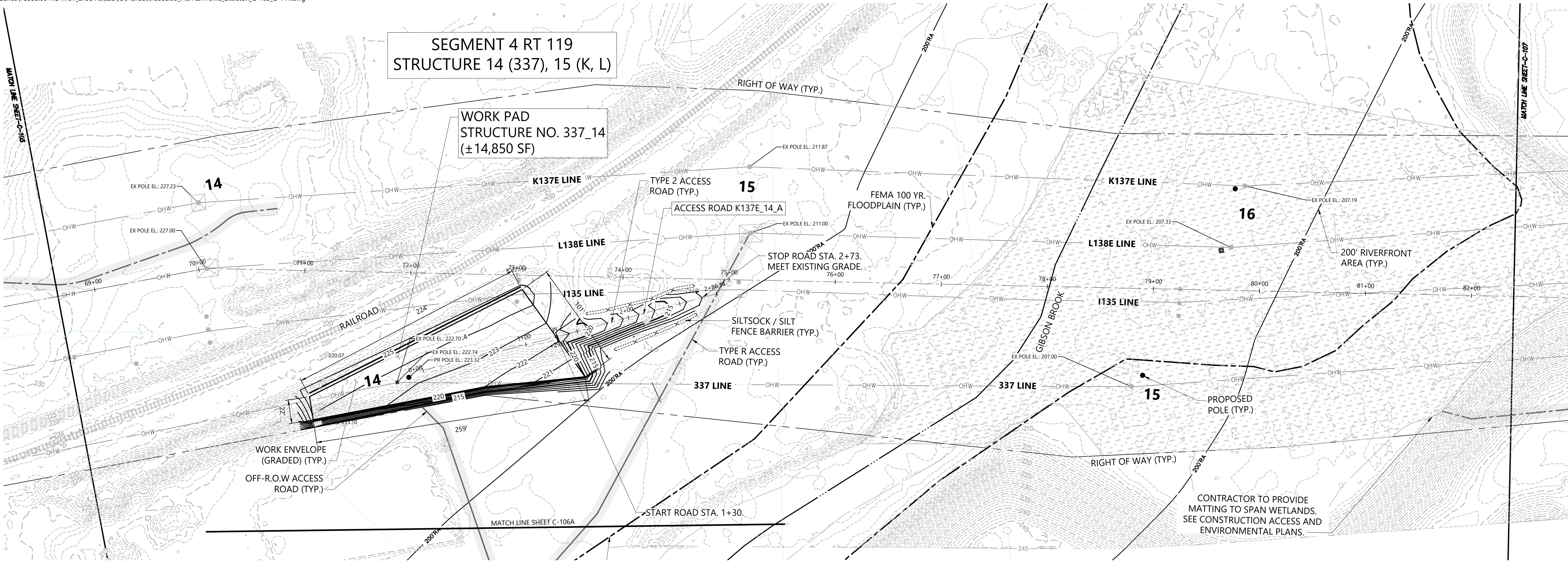
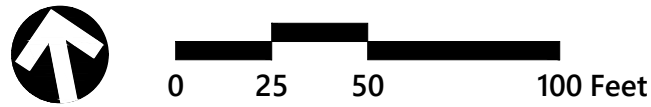


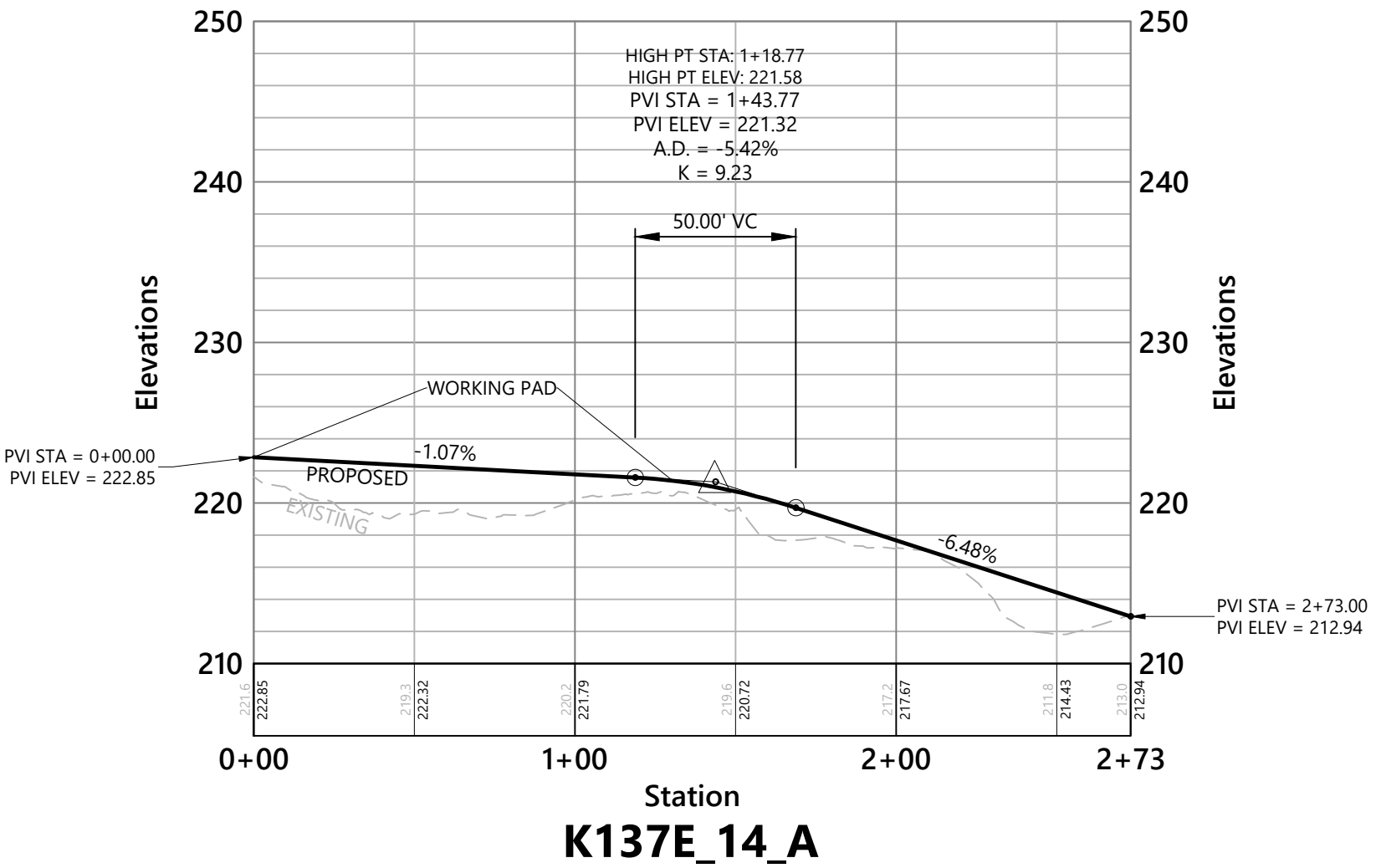


Legend	
	NATIONAL GRID RIGHT-OF-WAY
	ENGINEERED TYPE 1-3 ROAD
	TYPE R ROAD (BY OTHERS)
	NO MODIFICATIONS ROAD
	PROPERTY LINE
	K137E/L138 TRANSMISSION LINE STRUCTURE
	EXISTING TRANSMISSION LINE STRUCTURE
	100-YEAR FLOODPLAIN
	200' RIVERFRONT AREA
	ARTICLE 97
	DELINEATED INLAND BANK
	ESTIMATED BANK
	WETLAND POLYGON
	FENCE LINE
	EXISTING TREELINE
	GUARDRAIL
	MA DEP HYDROLOGIC CONNECTION
	NHF PERENNIAL STREAM
	NHSP PRIORITY AND ESTIMATED HABITAT
	NHSP RESTRICTED HABITAT
	PIPELINE
	STONEWALL



Gravel Quantities

Road Segment	Linear Feet (ft)	Depth (in)	Volume (CY)
K137E_14_A	143.0	14	74.15



K137E/L138E ACR and 337 Rebuild

No.	Revision	Date	Appr'd.

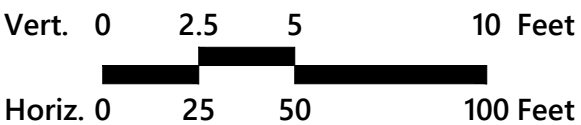
Designed by	Checked by
OV/NS	EV
Issued for	Date
100% Design	November 1, 2024

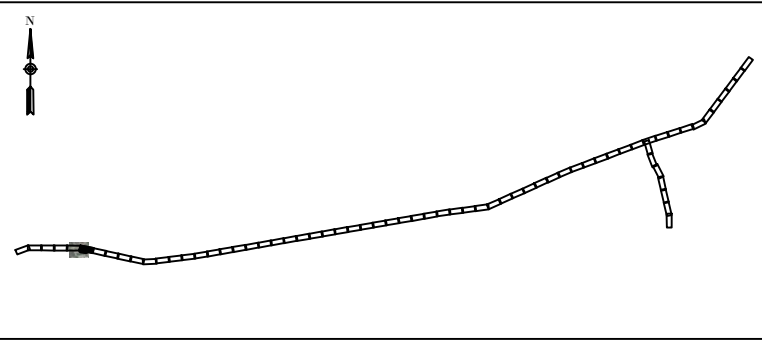
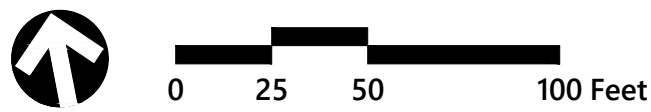
Not Approved for Construction
Drawing Title
Plan and Profile
Drawing Number

C-106

Sheet 11 of 66

Project Number
73355.00





Legend	
	NATIONAL GRID RIGHT-OF-WAY
	ENGINEERED TYPE 1-3 ROAD
	TYPE R ROAD (BY OTHERS)
	NO MODIFICATIONS ROAD
	PROPERTY LINE
	K137E/L138 TRANSMISSION CONDUCTOR
	EXISTING TRANSMISSION LINE STRUCTURE
	PROPOSED TRANSMISSION LINE STRUCTURE
	100-YEAR FLOODPLAIN
	200' RIVERFRONT AREA
	ARTICLE 97
	DELINEATED INLAND BANK
	ESTIMATED BANK
	WETLAND POLYGON
	FENCE LINE
	EXISTING TREELINE
	GUARDRAIL
	MA DEP HYDROLOGIC CONNECTION
	NHDP PERENNIAL STREAM
	NHESP PRIORITY AND ESTIMATED HABITAT
	NHESP RESTRICTED HABITAT
	PIPELINE
	STONEWALL

K137E/L138E ACR and 337 Rebuild

No.	Revision	Date	Appvd.

Designed by	Checked by
OV/NS	EV

Issued for
100% Design

Date
November 1, 2024

Not Approved for Construction

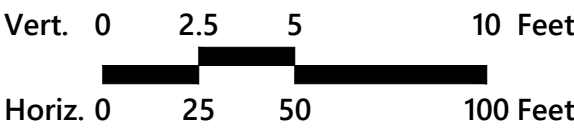
Drawing Title
Off-ROW Plan

Drawing Number

C-106A

Sheet 11 of 66

Project Number
73355.00



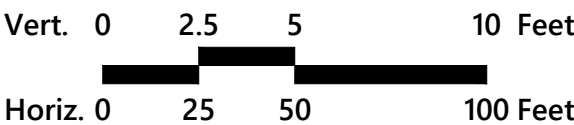


nationalgrid



	NATIONAL GRID RIGHT-OF-WAY
	ENGINEERED TYPE 1-3 ROAD
	TYPE 4 ROAD (OTHERS)
	NO MODIFICATIONS ROAD
	PROPERTY LINE
	K137E+138 TRANSMISSION CONDUCTOR
	EXISTING TRANSMISSION LINE STRUCTURE
	PROPOSED TRANSMISSION LINE STRUCTURE
	100-YEAR FLOODPLAIN
	200 RIVERFRONT AREA
	ARTICLE 97
	DELIMITED INLAND BANK
	ESTIMATED BANK
	WETLAND POLYGON
	FENCE LINE
	EXISTING TREE LINE
	GUARDRAIL
	MA DEP HYDROLOGIC CONNECTION
	NH PERENNIAL STREAM
	NHSP PRIORITY AND ESTIMATED HABITAT
	NHSP RESTRICTED HABITAT
	PIPELINE
	STONEWALL

No.	Δ (degrees)	Radius (ft)	Length (ft)	Tangent Length (ft)
C1	009°12'00"	132.82'	21.33'	10.686

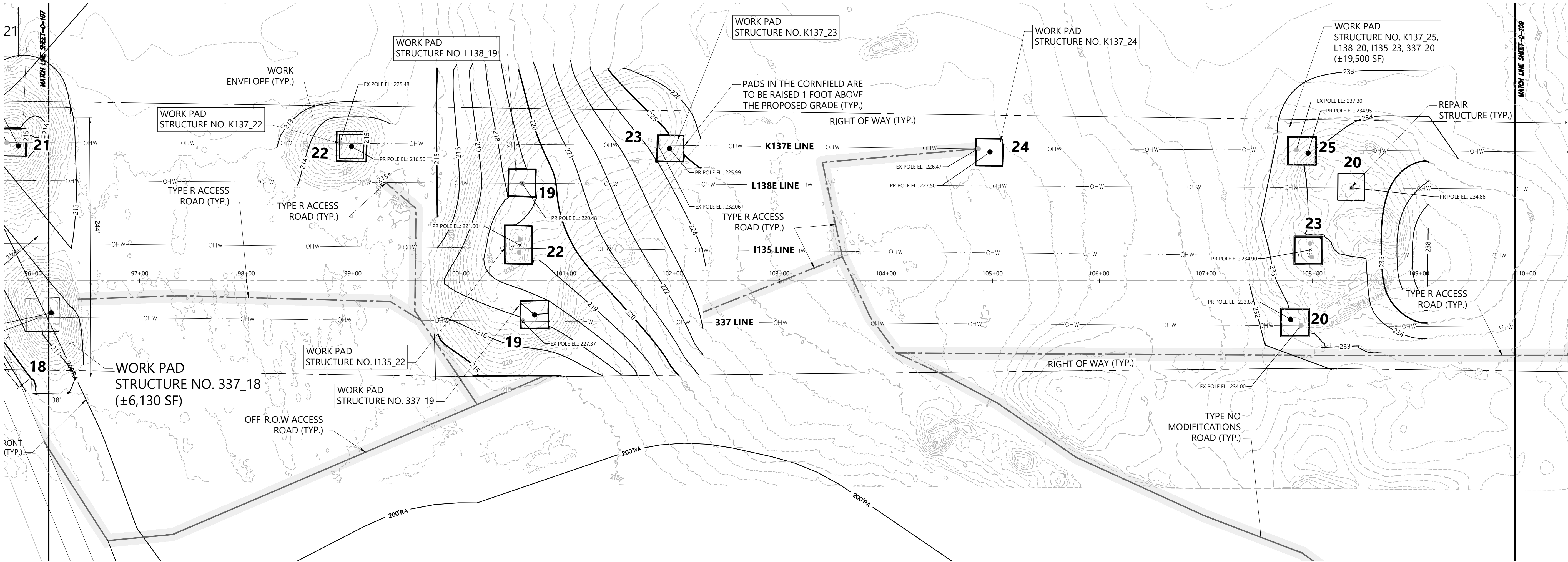
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100% Design November 1, 2024

Plan and Profile

C-107

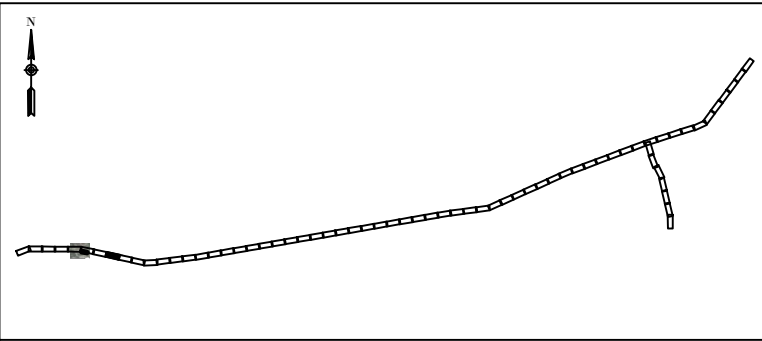
Project Number
73355.00





1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

nationalgrid



KEY MAP
NOT TO SCALE

Legend

- NATIONAL GRID RIGHT-OF-WAY
- ENGINEERED TYPE 1-3 ROAD
- TYPE R ROAD (BY OTHERS)
- NO MODIFICATIONS ROAD
- PROPERTY LINE
- K137E/L138 TRANSMISSION CONDUCTOR
- EXISTING TRANSMISSION LINE STRUCTURE
- PROPOSED TRANSMISSION LINE STRUCTURE
- 100-YEAR FLOODPLAIN
- 200' RIVERFRONT AREA
- ARTICLE 97
- DELINEATED INLAND BANK
- ESTIMATED BANK
- WETLAND POLYGON
- FENCE LINE
- EXISTING TREELINE
- GUARDRAIL
- MA DEP HYDROLOGIC CONNECTION
- NHID PERENNIAL STREAM
- NHESP PRIORITY AND ESTIMATED HABITAT
- NHESP RESTRICTED HABITAT
- PIPELINE
- STONEWALL

K137E/L138E ACR and
337 Rebuild

No.	Revision	Date	Apprvd.

Designed by	Checked by
OV/NS	EV
Issued for	Date
100% Design	November 1, 2024

Not Approved for Construction

Drawing Title

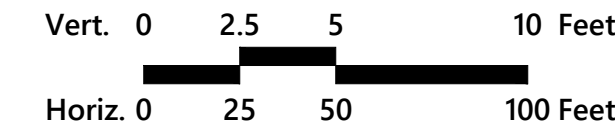
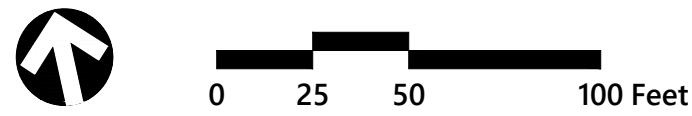
Plan and Profile

Drawing Number

C-108

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Project Number
73355.00





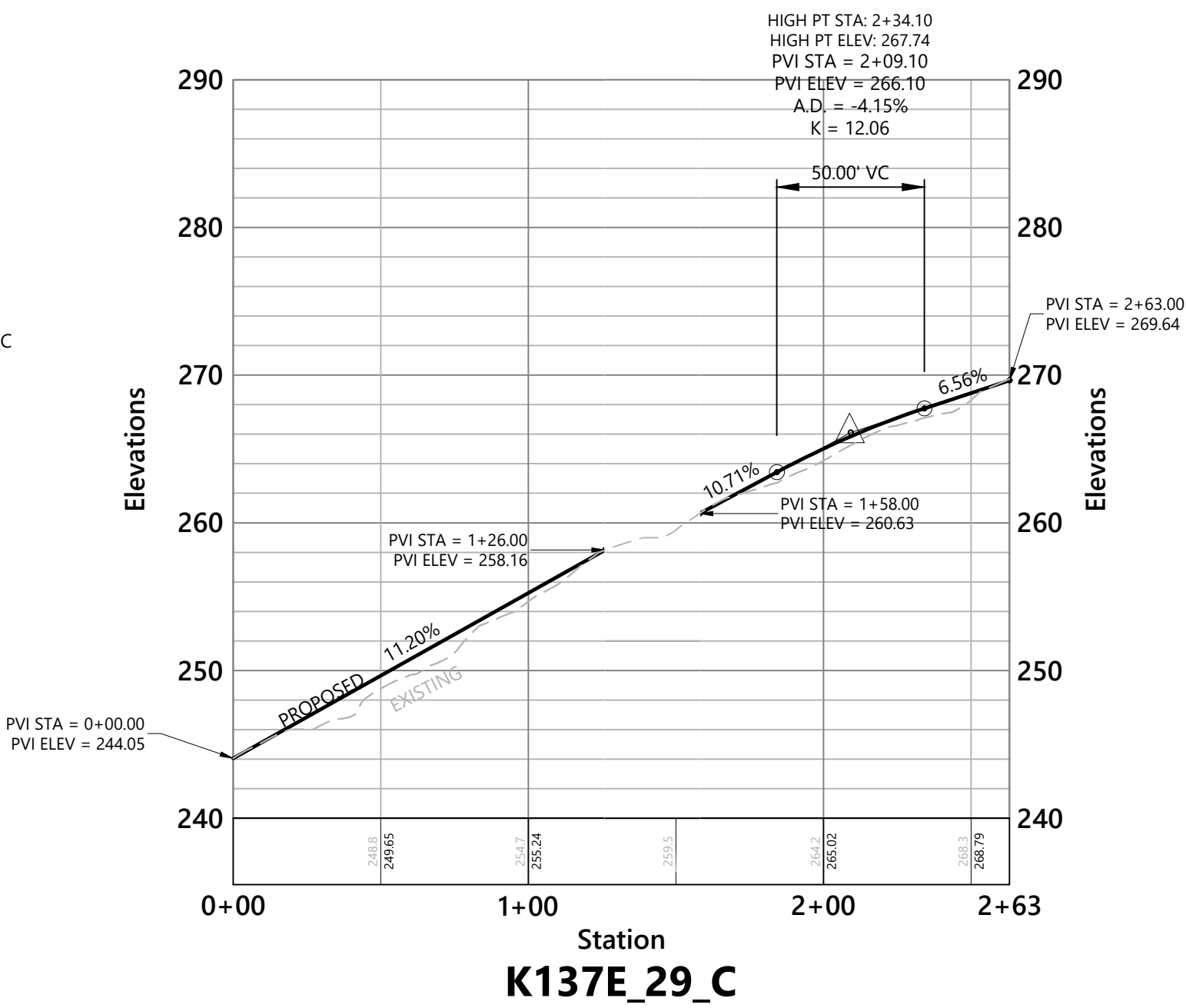
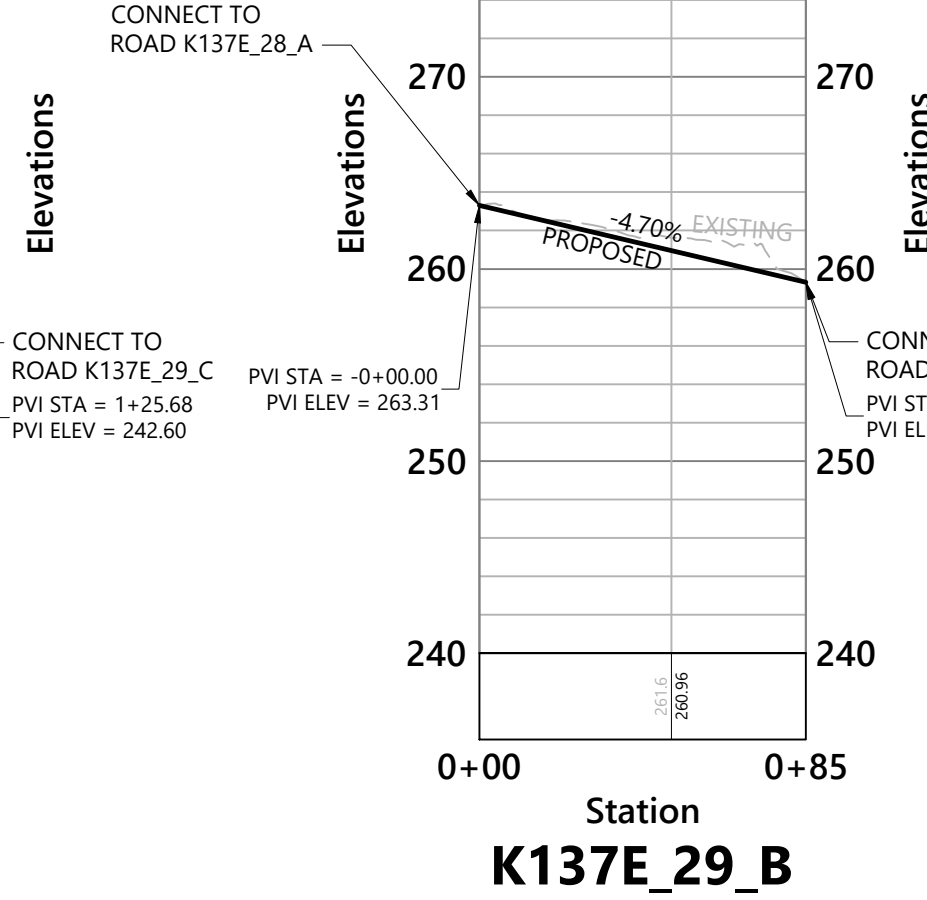
nationalgrid



	NATIONAL GRID RIGHT-OF-WAY
	ENGINEERED TYPE 1-3 ROAD
	TYPE 1-3 ROAD (BY OTHERS)
	NO MODIFICATIONS ROAD
	PROPERTY LINE
	K137E+138 TRANSMISSION CONDUCTOR
	EXISTING TRANSMISSION LINE STRUCTURE
	PROPOSED TRANSMISSION LINE STRUCTURE
	100-YEAR FLOODPLAIN
	200 RIVERFRONT AREA
	ARTICLE 97
	DELINEATED INLAND BANK
	ESTIMATED BANK
	WETLAND POLYGON
	FENCE LINE
	EXISTING TREELINE
	GUARDRAIL
	MA DEP HYDROLOGIC CONNECTION
	NH/D PERENNIAL STREAM
	NH/SP PRIORITY AND ESTIMATED HABITAT
	NH/SP RESTRICTED HABITAT
	PIPELINE
	STONE WALL

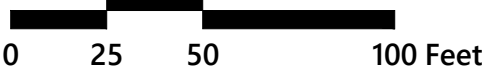
Road Segment	Linear Feet (ft)	Depth (in)	Volume (CY)
K137E_29_A	125.0	14	64.81
K137E_29_B	85.0	14	44.07
K137E_29_C	396.0	14	205.33
K137E_30_A	100.0	14	51.85

No.	Δ (degrees)	Radius (ft)	Length (ft)	Tangent Length (ft)
C3	029°22'53"	100.00'	51.28'	26.217
C2	027°59'48"	84.04'	41.06'	20.950

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Plan and Profile

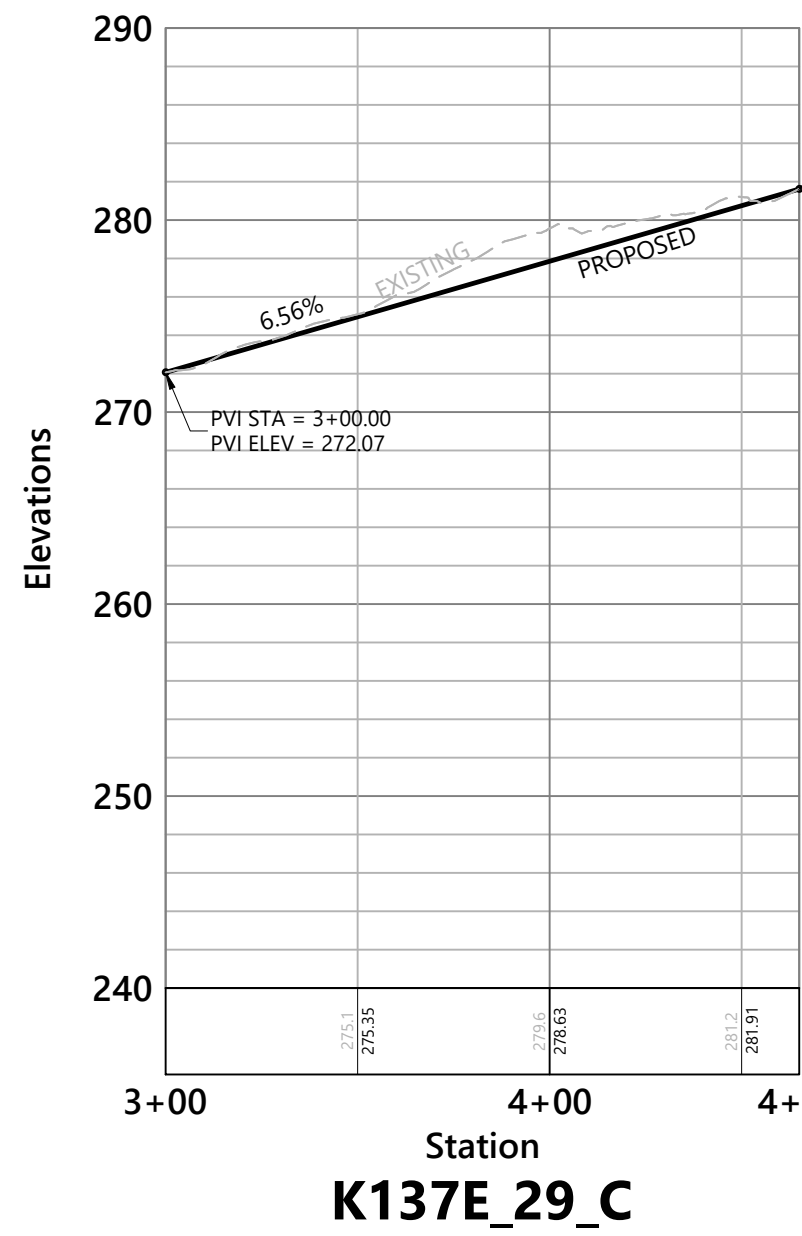




Road Segment	Linear Feet (ft)	Depth (in)	Volume (CY)
K137E_29_C	396.0	14	205.33
K137E_30_A	100.0	14	51.85

Alignment Line and Curve Data

No.	Δ (degrees)	Radius (ft)	Length (ft)	Tangent Length (ft)
C3	029°22'53"	100.00'	51.28'	26.217
C4	038°16'57"	100.00'	66.82'	34.709



K137E/L138E ACR and 337 Rebuild

No.	Revision	Date	Appvd.

Designed by	Checked by
OV/NS	EV

100% Design November 1, 2024

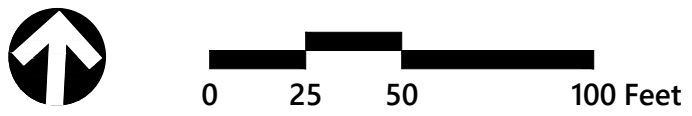
Not Approved for Construction

Plan and Profile

C-110

[illegible]

Plan and Profile



Road Segment	Linear Feet (ft)	Depth (in)	Volume (CY)
K137E_36_A	274.0	12	121.78

No.	Δ (degrees)	Radius (ft)	Length (ft)	Tangent Length (ft)
C5	021°27'58"	45.00'	16.86'	8.530
C6	052°07'58"	45.00'	40.95'	22.013
C7	036°54'54"	45.00'	28.99'	15.020

