Appendix G

Typical Sections Package

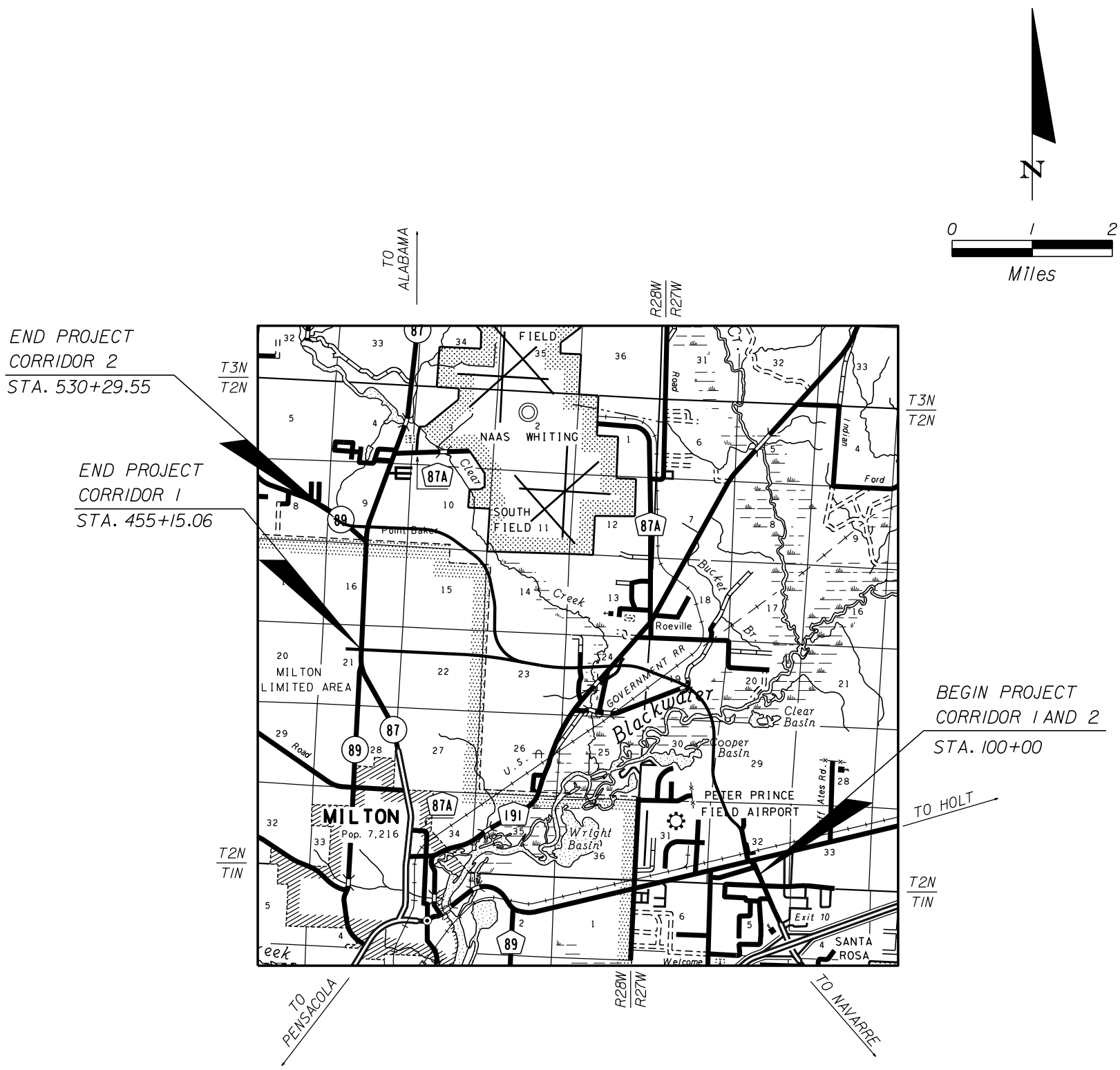
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION PACKAGE

FINANCIAL PROJECT ID
416748-3-22-01 AND 416748-3-22-02

SR 87 CONNECTOR FROM
SR 87S @ SR 10 (US 90) TO SR 87N

SANTA ROSA COUNTY



PREPARED BY

METRIC ENGINEERING, INC.
ENGINEERS • PLANNERS

615 CRESCENT EXCUTIVE COURT
SUITE 524
LAKE MARY, FLORIDA 32746
(407) 644-1898

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 416748-3-22-01 AND 416748-3-22-02 COUNTY (SECTION) SANTA ROSA (58040)

PROJECT DESCRIPTION SR 87 CONNECTOR FROM SR 87S @ SR 10 (US 90) TO SR 87 NORTH, CORRIDOR 1 - URBAN

PROJECT CONTROLS

FUNCTIONAL CLASSIFICATION

( ) RURAL
(X) URBAN

( ) FREEWAY/EXPWY. ( ) MAJOR COLL.
(X) PRINCIPAL ART. ( ) MINOR COLL.
( ) MINOR ART. ( ) LOCAL

HIGHWAY SYSTEM

Yes	No	
( )	(X)	NATIONAL HIGHWAY SYSTEM
( )	(X)	FLORIDA INTRASTATE HIGHWAY SYSTEM
( )	(X)	STRATEGIC INTERMODAL SYSTEM
(X)	( )	STATE HIGHWAY SYSTEM
( )	(X)	OFF STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

( ) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
(X) 3 - RESTRICTIVE w/660 ft. Connecting Spacing
( ) 4 - NON-RESTRICTIVE w/2640 ft. Signal Spacing
( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON- RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

TRAFFIC

	YEAR	AADT
CURRENT	2009	0
OPENING	2020	????
DESIGN	2035	14,500

		DISTRIBUTION	
DESIGN SPEED	50	K	??%
POSTED SPEED	45	D	??%
		T_{24}	??%

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RRR INTERSTATE / FREEWAY
( ) RRR NON-INTERSTATE / FREEWAY
( ) TDLC / NEW CONSTRUCTION / RECONSTRUCTION
( ) TDLC / RRR
( ) MANUAL OF UNIFORM MINIMUM STANDARDS (FLORIDA GREENBOOK)(OFF-STATE HIGHWAY ONLY)

DESIGN SPEED APPROVALS

SCOTT GOLDEN, P.E.
DISTRICT DESIGN ENGINEER — DATE

JARED PERDUE, P.E.
DISTRICT TRAFFIC OPERATIONS ENGINEER — DATE

LIST ANY POTENTIAL EXCEPTIONS AND VARIATIONS RELATED TO TYPICAL SECTION ELEMENTS:

NONE

LIST MAJOR STRUCTURES LOCATION/DESCRIPTION - REQUIRING INDEPENDENT STRUCTURE DESIGN:

BRIDGE OVER BLACKWATER RIVER
BRIDGE OVER BLACKWATER HERITAGE TRAIL AND WETLANDS
BRIDGE OVER CLEAR CREEK

LIST MAJOR UTILITIES WITHIN PROJECT CORRIDOR:

AT&T, AT&T DISTRIBUTION, CITY OF MILTON, CSX RAILROAD, EAST MILTON WATER SYSTEM, GULF POWER, MCI, MEDIACOM, OKALOOSA GAS, POINT BAKER WATER SYSTEM, QWEST, SOUTHERN LIGHT, SPRINT/NEXTEL

LIST OTHER INFORMATION PERTINENT TO DESIGN OF PROJECT:

SR 87 HAS BEEN DESIGNATED AS A "HURRICANE EVACUATION ROUTE"

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 416748-3-22-01 AND 416748-3-22-02 COUNTY (SECTION) SANTA ROSA (58040)

PROJECT DESCRIPTION SR 87 CONNECTOR FROM SR 87S @ SR 10 (US 90) TO SR 87 NORTH, CORRIDOR 1-SUBURBAN

PROJECT CONTROLS

FUNCTIONAL CLASSIFICATION

( ) RURAL
(X) URBAN

( ) FREEWAY/EXPWY. ( ) MAJOR COLL.
(X) PRINCIPAL ART. ( ) MINOR COLL.
( ) MINOR ART. ( ) LOCAL

HIGHWAY SYSTEM

Yes	No	
( )	(X)	NATIONAL HIGHWAY SYSTEM
( )	(X)	FLORIDA INTRASTATE HIGHWAY SYSTEM
( )	(X)	STRATEGIC INTERMODAL SYSTEM
(X)	( )	STATE HIGHWAY SYSTEM
( )	(X)	OFF STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

( ) 1 - FREEWAY
( ) 2 - RESTRICTIVE w/Service Roads
(X) 3 - RESTRICTIVE w/660 ft. Connecting Spacing
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( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON- RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

TRAFFIC

	YEAR	AADT
CURRENT	2009	0
OPENING	2020	????
DESIGN	2035	13,000

		DISTRIBUTION	
DESIGN SPEED	50	K	??%
POSTED SPEED	50	D	??%
		T_{24}	??%

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RRR INTERSTATE / FREEWAY
( ) RRR NON-INTERSTATE / FREEWAY
( ) TDLC / NEW CONSTRUCTION / RECONSTRUCTION
( ) TDLC / RRR
( ) MANUAL OF UNIFORM MINIMUM STANDARDS (FLORIDA GREENBOOK)(OFF-STATE HIGHWAY ONLY)

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DISTRICT DESIGN ENGINEER — DATE

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DISTRICT TRAFFIC OPERATIONS ENGINEER — DATE

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BRIDGE OVER BLACKWATER RIVER
BRIDGE OVER BLACKWATER HERITAGE TRAIL AND WETLANDS
BRIDGE OVER CLEAR CREEK

LIST MAJOR UTILITIES WITHIN PROJECT CORRIDOR:

AT&T, AT&T DISTRIBUTION, CITY OF MILTON, CSX RAILROAD, EAST MILTON WATER SYSTEM, GULF POWER, MCI, MEDIACOM, OKALOOSA GAS, POINT BAKER WATER SYSTEM, QWEST, SOUTHERN LIGHT, SPRINT/NEXTEL

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PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 416748-3-22-01 AND 416748-3-22-02 COUNTY (SECTION) SANTA ROSA (58040)

PROJECT DESCRIPTION SR 87 CONNECTOR FROM SR 87S @ SR 10 (US 90) TO SR 87 NORTH, CORRIDOR 2 - URBAN

PROJECT CONTROLS

FUNCTIONAL CLASSIFICATION

( ) RURAL
(X) URBAN

( ) FREEWAY/EXPWY. ( ) MAJOR COLL.
(X) PRINCIPAL ART. ( ) MINOR COLL.
( ) MINOR ART. ( ) LOCAL

HIGHWAY SYSTEM

Yes	No	
( )	(X)	NATIONAL HIGHWAY SYSTEM
( )	(X)	FLORIDA INTRASTATE HIGHWAY SYSTEM
( )	(X)	STRATEGIC INTERMODAL SYSTEM
(X)	( )	STATE HIGHWAY SYSTEM
( )	(X)	OFF STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

( ) 1 - FREEWAY
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(X) 3 - RESTRICTIVE w/660 ft. Connecting Spacing
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( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON- RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

TRAFFIC

	YEAR	AADT
CURRENT	2009	0
OPENING	2020	????
DESIGN	2035	14,000

		DISTRIBUTION	
DESIGN SPEED	50	K	??%
POSTED SPEED	45	D	??%
		T_{24}	??%

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RRR INTERSTATE / FREEWAY
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JARED PERDUE, P.E.
DISTRICT TRAFFIC OPERATIONS ENGINEER — DATE

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BRIDGE OVER BLACKWATER HERITAGE TRAIL AND WETLANDS
BRIDGE OVER CLEAR CREEK

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AT&T, AT&T DISTRIBUTION, CITY OF MILTON, CSX RAILROAD, EAST MILTON WATER SYSTEM, GULF POWER, MCI, MEDIACOM, OKALOOSA GAS, POINT BAKER WATER SYSTEM, QWEST, SOUTHERN LIGHT, SPRINT/NEXTEL

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PROJECT IDENTIFICATION

FINANCIAL PROJECT ID 416748-3-22-01 AND 416748-3-22-02 COUNTY (SECTION) SANTA ROSA (58040)

PROJECT DESCRIPTION SR 87 CONNECTOR FROM SR 87S @ SR 10 (US 90) TO SR 87 NORTH, CORRIDOR 2-SUBURBAN

PROJECT CONTROLS

FUNCTIONAL CLASSIFICATION

( ) RURAL
(X) URBAN

( ) FREEWAY/EXPWY. ( ) MAJOR COLL.
(X) PRINCIPAL ART. ( ) MINOR COLL.
( ) MINOR ART. ( ) LOCAL

HIGHWAY SYSTEM

Yes	No	
( )	(X)	NATIONAL HIGHWAY SYSTEM
( )	(X)	FLORIDA INTRASTATE HIGHWAY SYSTEM
( )	(X)	STRATEGIC INTERMODAL SYSTEM
(X)	( )	STATE HIGHWAY SYSTEM
( )	(X)	OFF STATE HIGHWAY SYSTEM

ACCESS CLASSIFICATION

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( ) 5 - RESTRICTIVE w/440 ft. Connection Spacing
( ) 6 - NON- RESTRICTIVE w/1320 ft. Signal Spacing
( ) 7 - BOTH MEDIAN TYPES

TRAFFIC

	YEAR	AADT
CURRENT	2009	0
OPENING	2020	????
DESIGN	2035	12,500

		DISTRIBUTION	
DESIGN SPEED	50	K	??%
POSTED SPEED	50	D	??%
		T_{24}	??%

CRITERIA

(X) NEW CONSTRUCTION / RECONSTRUCTION
( ) RRR INTERSTATE / FREEWAY
( ) RRR NON-INTERSTATE / FREEWAY
( ) TDLC / NEW CONSTRUCTION / RECONSTRUCTION
( ) TDLC / RRR
( ) MANUAL OF UNIFORM MINIMUM STANDARDS (FLORIDA GREENBOOK)(OFF-STATE HIGHWAY ONLY)

DESIGN SPEED APPROVALS

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DISTRICT DESIGN ENGINEER — DATE

JARED PERDUE, P.E.
DISTRICT TRAFFIC OPERATIONS ENGINEER — DATE

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BRIDGE OVER BLACKWATER HERITAGE TRAIL AND WETLANDS
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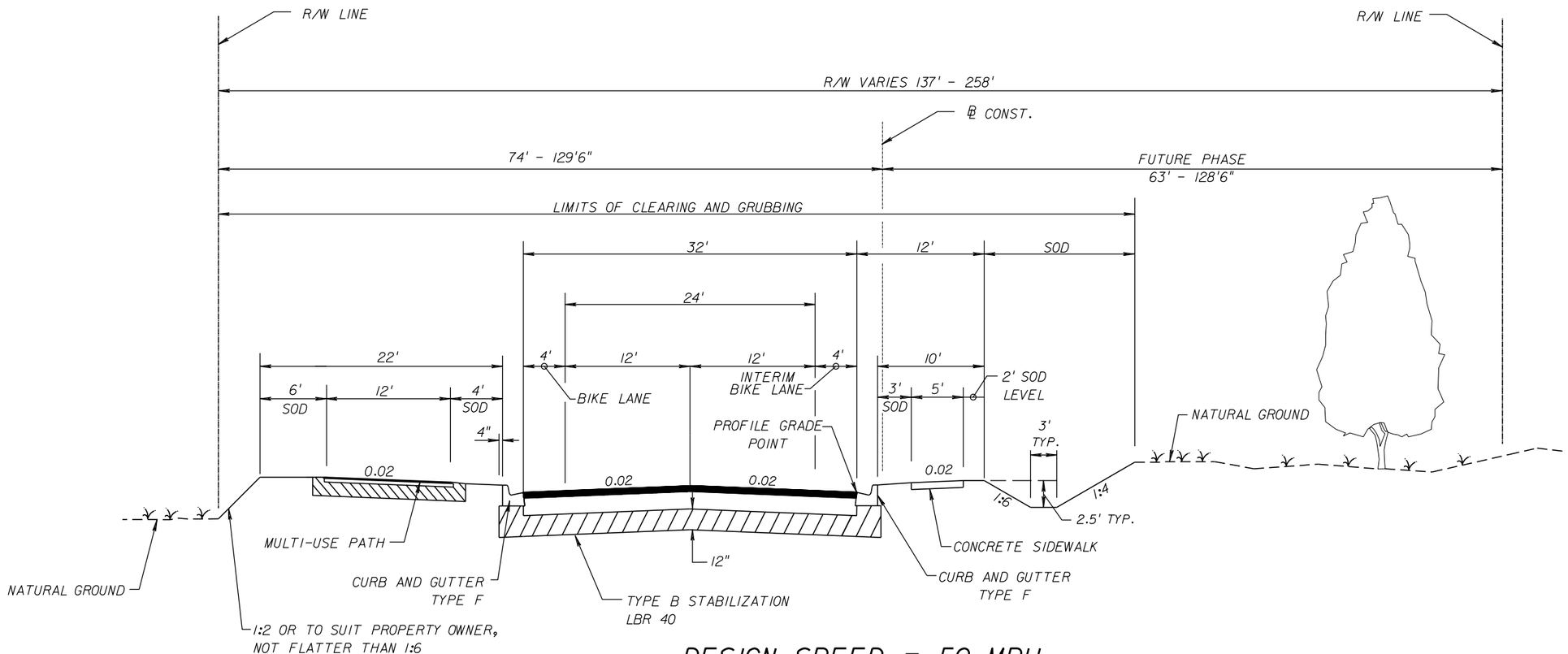
LIST OTHER INFORMATION PERTINENT TO DESIGN OF PROJECT:

SR 87 HAS BEEN DESIGNATED AS A "HURRICANE EVACUATION ROUTE"

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID	416748-3-22-01 AND 416748-3-22-02	FEDERAL AID PROJECT NO.	SFTI 296 R AND SI29 348 R	COUNTY NAME	SANTA ROSA
SECTION NO.	58040	ROAD DESIGNATION	SR 87 CONNECTOR	LIMITS/MILEPOST	CORRIDOR 1 - STA 100+00 - STA 198+00, STA 435+29 - STA 455+15 CORRIDOR 2 - STA 100+00 - STA 198+00, STA 464+44 - STA 505+64
PROJECT DESCRIPTION	SR 87 CONNECTOR FROM SR 10 (US 90) TO SR 87 NORTH				

PROPOSED INTERIM URBAN ROADWAY TYPICAL SECTION



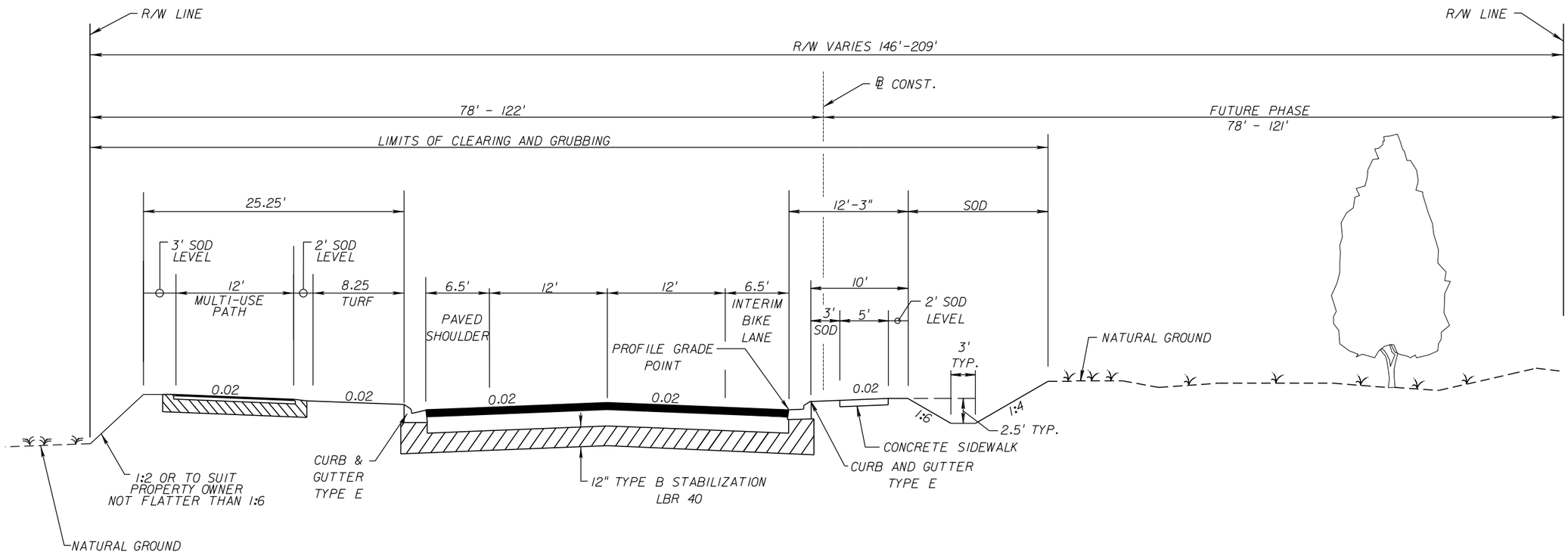
DESIGN SPEED = 50 MPH
CLEAR ZONE = 24'

APPROVED BY RHET SCHMIDT, P.E.	FDOT CONCURRENCE	FHWA CONCURRENCE
Engineer Of Record — DATE	JOHN S. GOLDEN, P.E. FDOT District Design Engineer — DATE	FHWA Transportation Engineer — DATE

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID	416748-3-22-01 AND 416748-3-22-02	FEDERAL AID PROJECT NO.	SFTI 296 R AND SI29 348 R	COUNTY NAME	SANTA ROSA
SECTION NO.	58040	ROAD DESIGNATION	SR 87 CONNECTOR	LIMITS/MILEPOST	CORRIDOR 1 - STA 253+60 - STA 300+20, STA 301+80 - STA 435+29 CORRIDOR 2 - STA 253+60 - STA 300+20, STA 301+80 - STA 464+44
PROJECT DESCRIPTION	SR 87 CONNECTOR FROM SR 10 (US 90) TO SR 87 NORTH				

PROPOSED INTERIM SUBURBAN ROADWAY TYPICAL SECTION



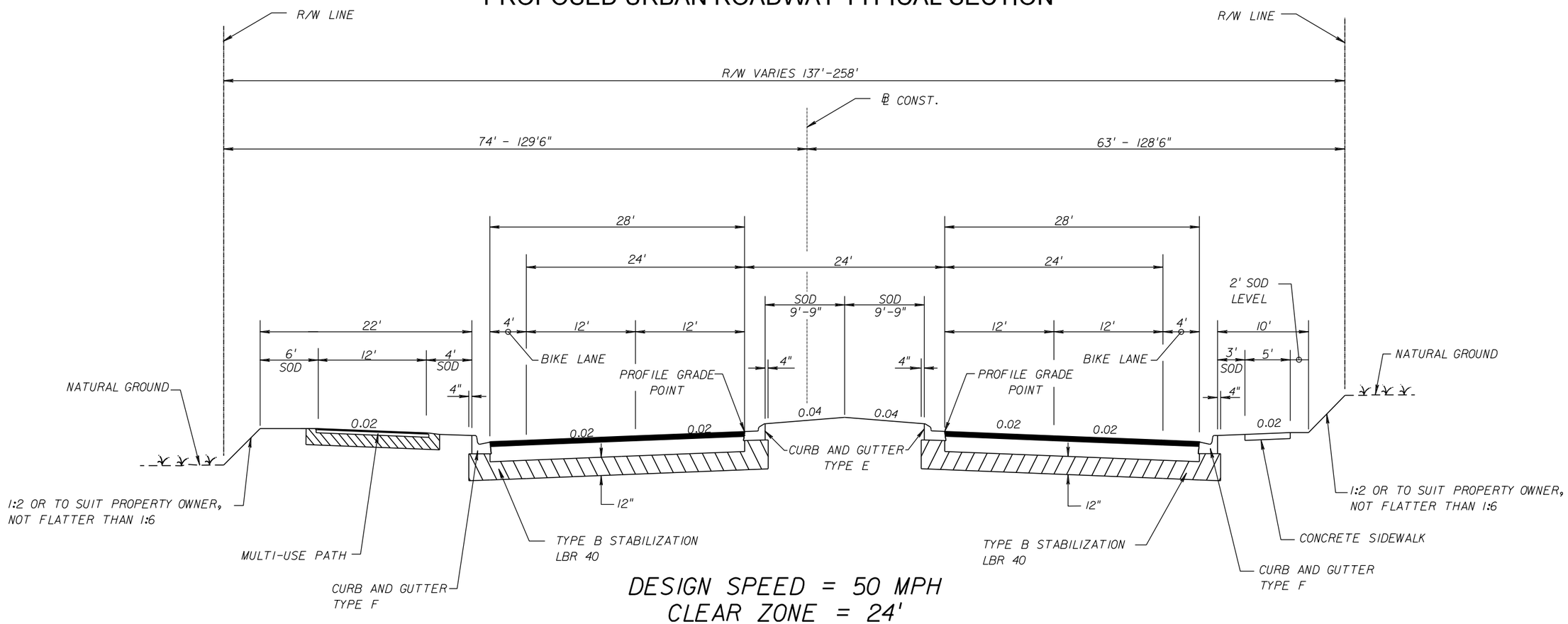
DESIGN SPEED = 50 MPH
CLEAR ZONE = 24'

APPROVED BY RHET SCHMIDT, P.E.	FDOT CONCURRENCE	FHWA CONCURRENCE
Engineer Of Record — DATE	JOHN S. GOLDEN, P.E. FDOT District Design Engineer — DATE	FHWA Transportation Engineer — DATE

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID	416748-3-22-01 AND 416748-3-22-02	FEDERAL AID PROJECT NO.	SFTI 296 R AND SI29 348 R	COUNTY NAME	SANTA ROSA
SECTION NO.	58040	ROAD DESIGNATION	SR 87 CONNECTOR	LIMITS/MILEPOST	CORRIDOR 1 - STA 100+00 - STA 198+00, STA 435+29 - STA 455+15 CORRIDOR 2 - STA 100+00 - STA 198+00, STA 464+44 - STA 505+64
PROJECT DESCRIPTION	SR 87 CONNECTOR FROM SR 10 (US 90) TO SR 87 NORTH				

PROPOSED URBAN ROADWAY TYPICAL SECTION



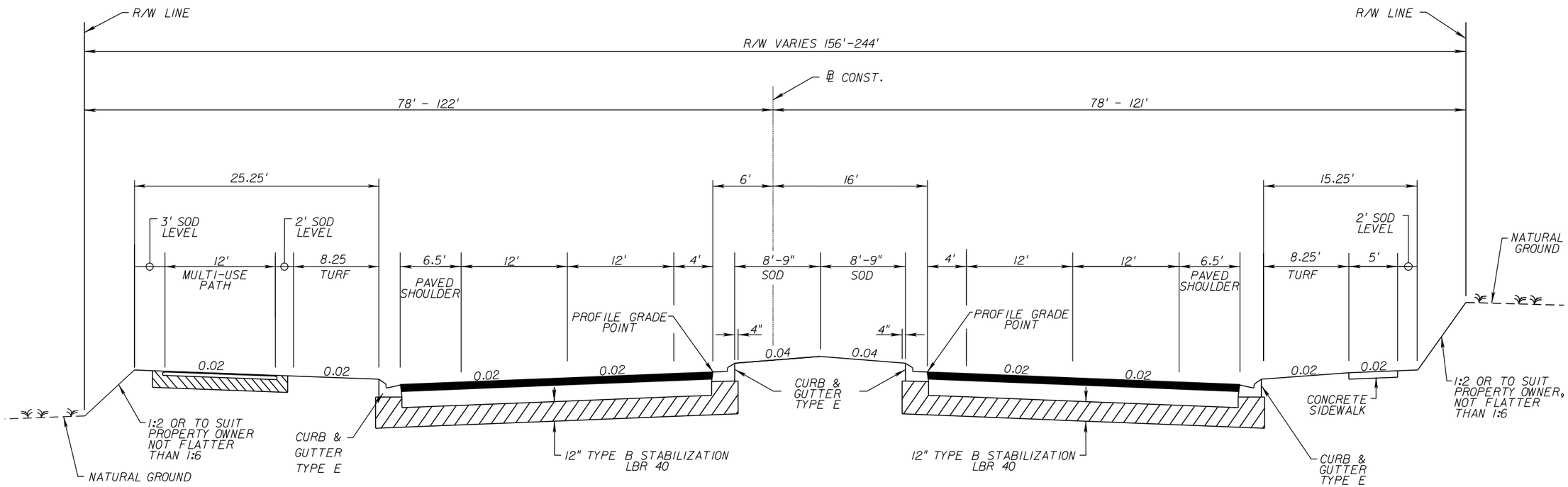
DESIGN SPEED = 50 MPH
CLEAR ZONE = 24'

APPROVED BY RHET SCHMIDT, P.E.	FDOT CONCURRENCE	FHWA CONCURRENCE
Engineer Of Record — DATE	JOHN S. GOLDEN, P.E. FDOT District Design Engineer — DATE	FHWA Transportation Engineer — DATE

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID	416748-3-22-01 AND 416748-3-22-02	FEDERAL AID PROJECT NO.	SFTI 296 R AND SI29 348 R	COUNTY NAME	SANTA ROSA
SECTION NO.	58040	ROAD DESIGNATION	SR 87 CONNECTOR	LIMITS/MILEPOST	CORRIDOR 1 - STA 253+60 - STA 300+20, STA 301+80 - STA 435+29 CORRIDOR 2 - STA 253+60 - STA 300+20, STA 301+80 - STA 464+44
PROJECT DESCRIPTION	SR 87 CONNECTOR FROM SR 10 (US 90) TO SR 87 NORTH				

PROPOSED SUBURBAN ROADWAY TYPICAL SECTION



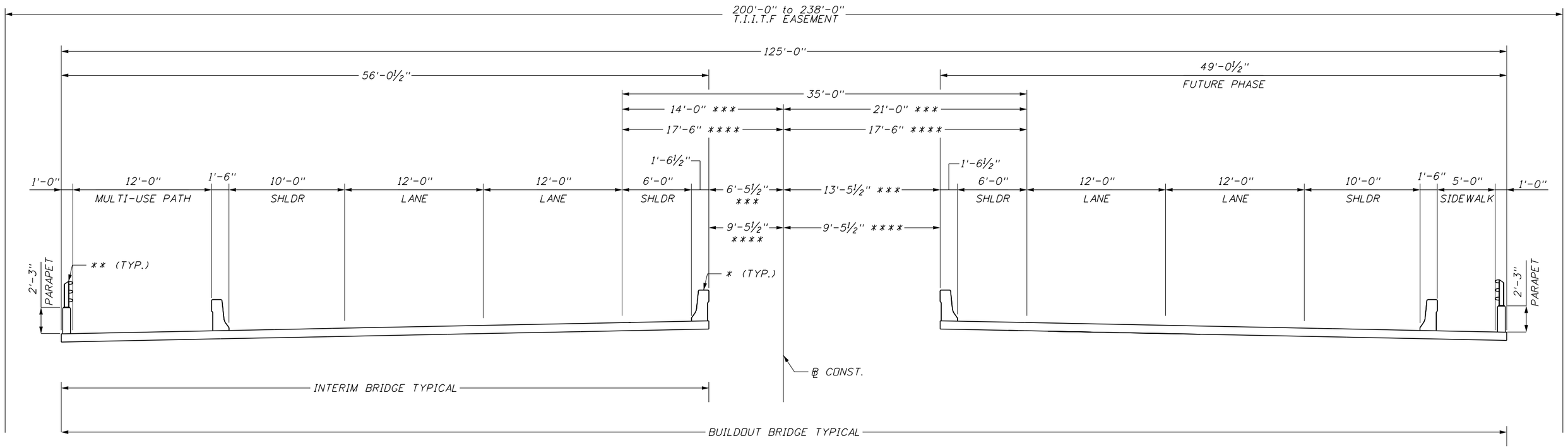
DESIGN SPEED = 50 MPH
CLEAR ZONE = 24'

APPROVED BY RHET SCHMIDT, P.E.	FDOT CONCURRENCE	FHWA CONCURRENCE
Engineer Of Record — DATE	JOHN S. GOLDEN, P.E. FDOT District Design Engineer — DATE	FHWA Transportation Engineer — DATE

PROJECT IDENTIFICATION

FINANCIAL PROJECT ID	416748-3-22-01 AND 416748-3-22-02	FEDERAL AID PROJECT NO.	SFTI 296 R AND SI29 348 R	COUNTY NAME	SANTA ROSA
SECTION NO.	58040	ROAD DESIGNATION	SR 87 CONNECTOR	LIMITS/MILEPOST	CORRIDORS 1 AND 2 - STA 198+00 - STA 253+60, STA 300+20 - STA 301+80
PROJECT DESCRIPTION	SR 87 CONNECTOR FROM SR 10 (US 90) TO SR 87 NORTH				

PROPOSED BRIDGE TYPICAL SECTION



NOTES:

* TRAFFIC RAILING BARRIER (32" F SHAPE) FDOT INDEX NO. 420

** POST "B2" WITH BULLET RAIL FDOT INDEX NO. 820

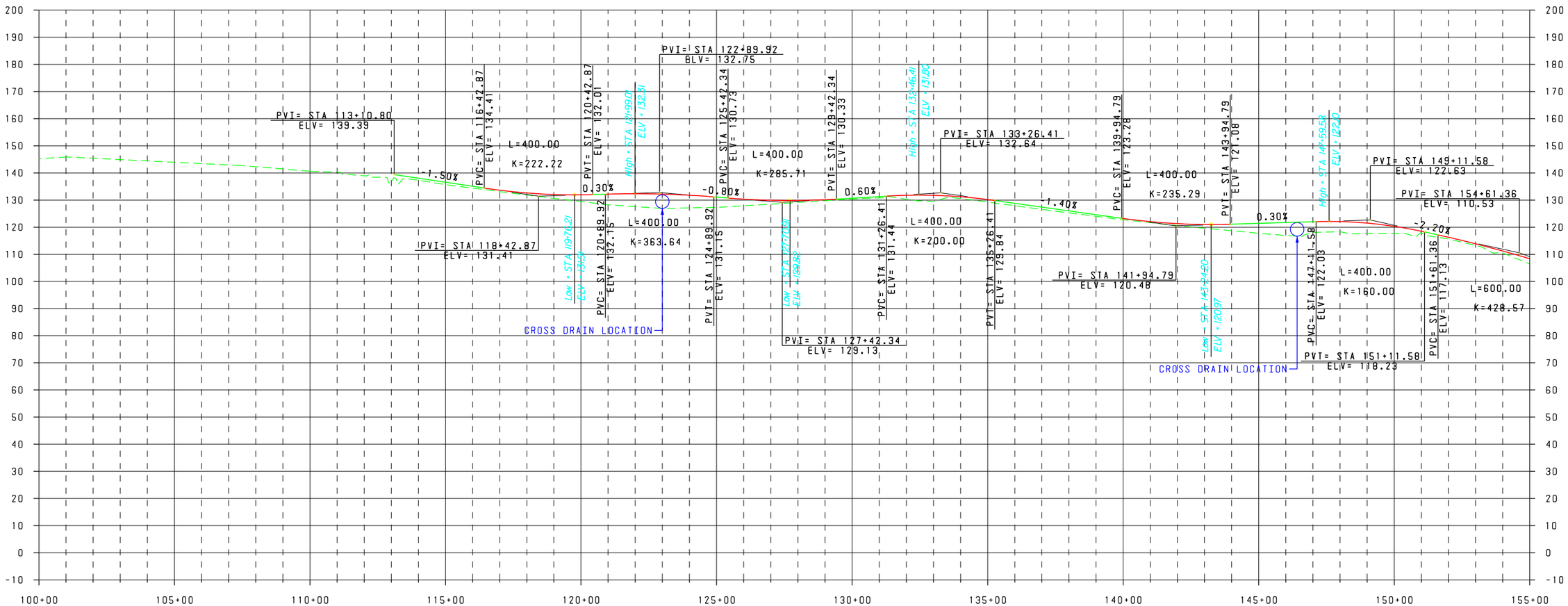
*** DIMENSION FOR THE BLACKWATER RIVER BRIDGE

**** DIMENSION FOR THE BLACKWATER HERITAGE TRAIL AND CLEAR CREEK BRIDGES

APPROVED BY RHET SCHMIDT, P.E.	FDOT CONCURRENCE	FHWA CONCURRENCE
Engineer Of Record — DATE	JOHN S. GOLDEN, P.E. FDOT District Design Engineer — DATE	FHWA Transportation Engineer — DATE

Appendix H

Profile Sheets



EXISTING PROFILE

WORKING MINIMUM PROFILE

V: 1" = 40'
H: 1" = 400'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.
2616 JENKS AVENUE
PANAMA CITY, FLORIDA 32405
TEL. (850) 872-8044
FAX. (850) 872-8704
FLORIDA CERT. NO. EB-0002294

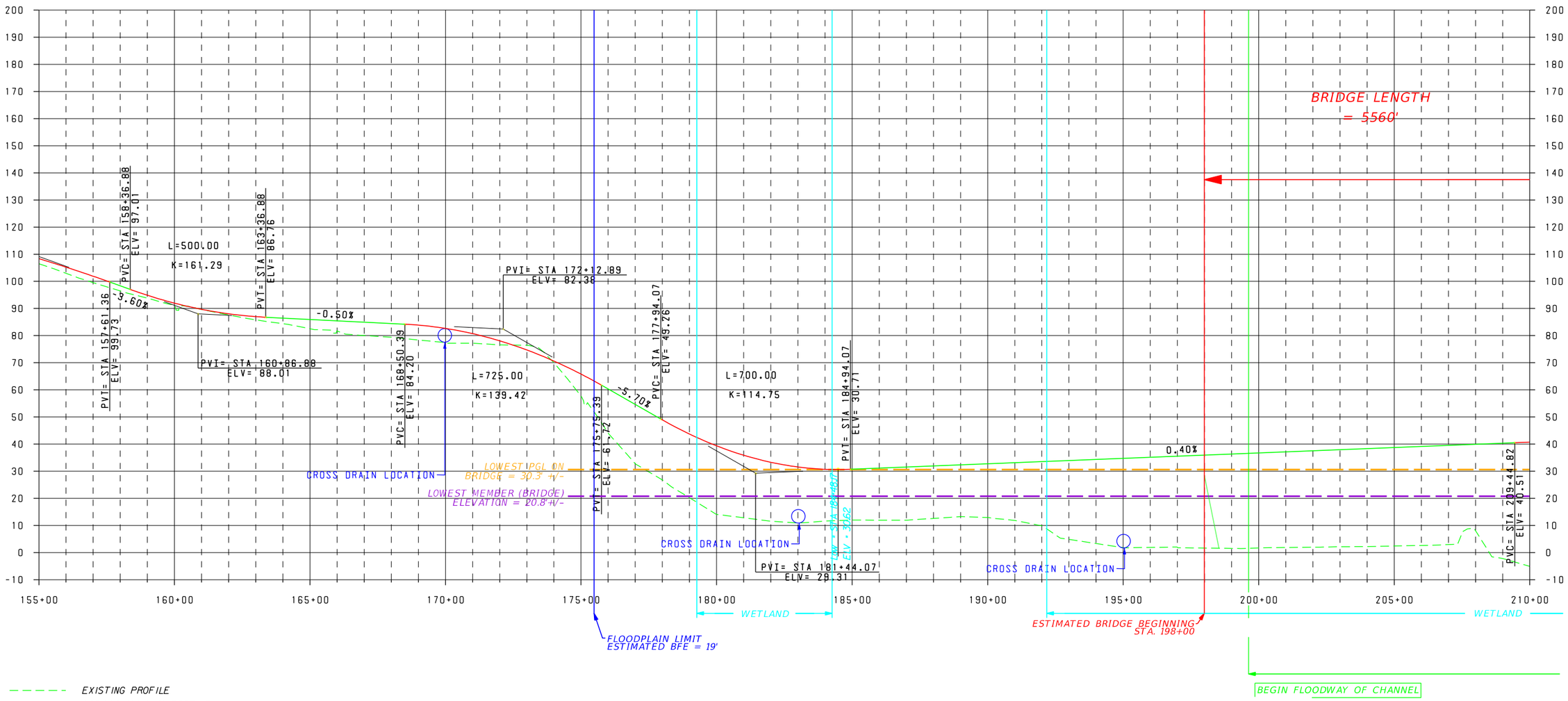
● ENGINEERS
● PLANNERS
● SURVEYORS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

PROFILE SHEET

SHEET NO.
41



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● ENGINEERS
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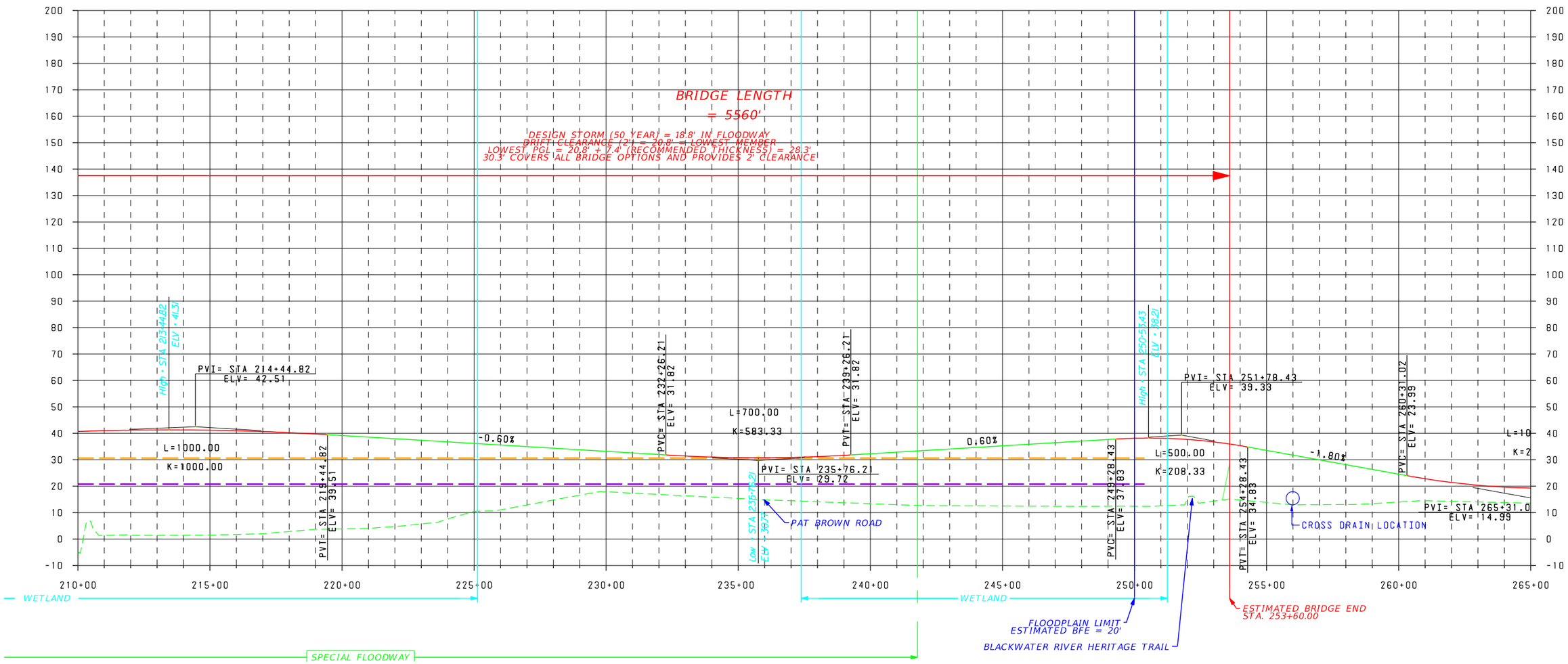
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

PROFILE SHEET

SHEET NO.
42

NMauntler 9/5/2012 2:02:45 PM F:\E\projects\41674832202\roadway\PROFRD01.DGN



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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2616 JENKS AVENUE
PANAMA CITY, FLORIDA 32405
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FLORIDA CERT. NO. EB-0002294

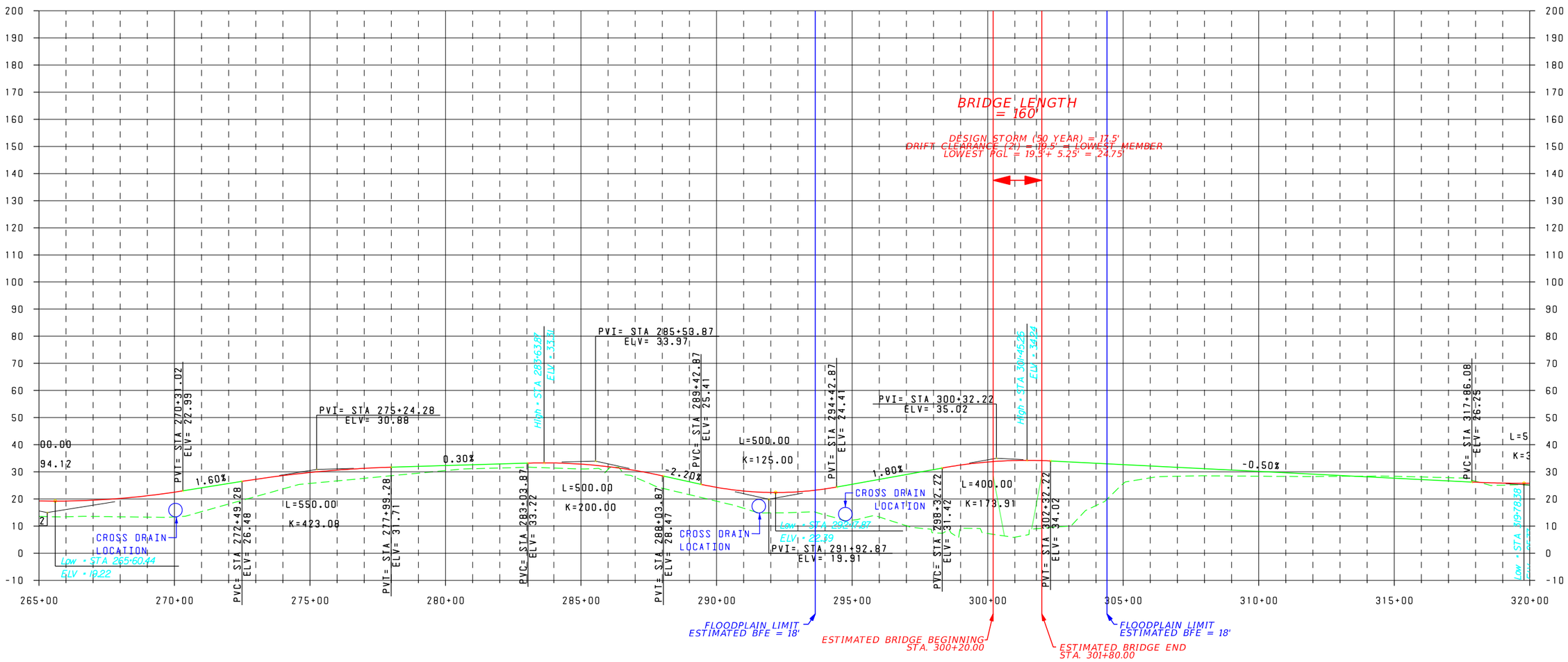
● ENGINEERS
● PLANNERS
● SURVEYORS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

PROFILE SHEET

SHEET NO.
43



EXISTING PROFILE

WORKING MINIMUM PROFILE

V: 1" = 40'
H: 1" = 400'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.
2616 JENKS AVENUE
PANAMA CITY, FLORIDA 32405
TEL. (850) 872-8044
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FLORIDA CERT. NO. EB-0002294

● ENGINEERS
● PLANNERS
● SURVEYORS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

PROFILE SHEET

SHEET NO.
44

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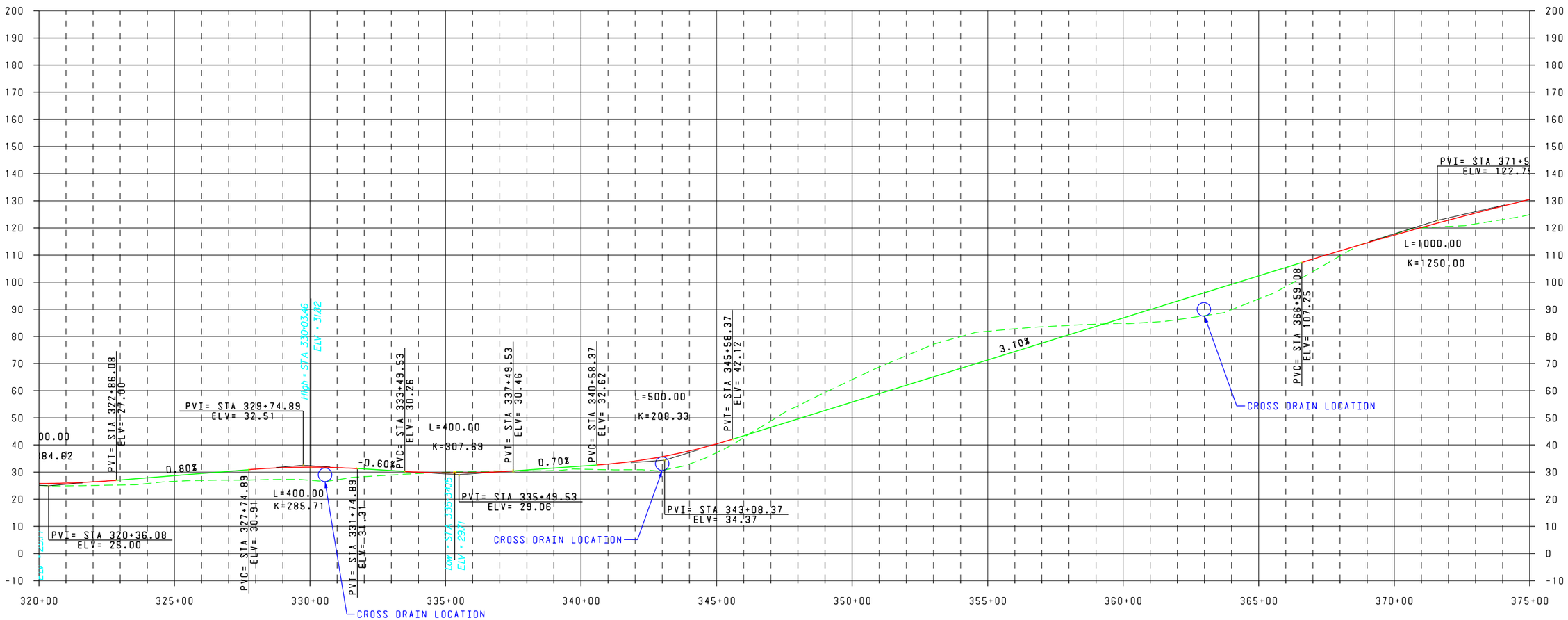

EXISTING PROFILE

WORKING MINIMUM PROFILE

V: 1" = 40'
H: 1" = 400'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.
2616 JENKS AVENUE
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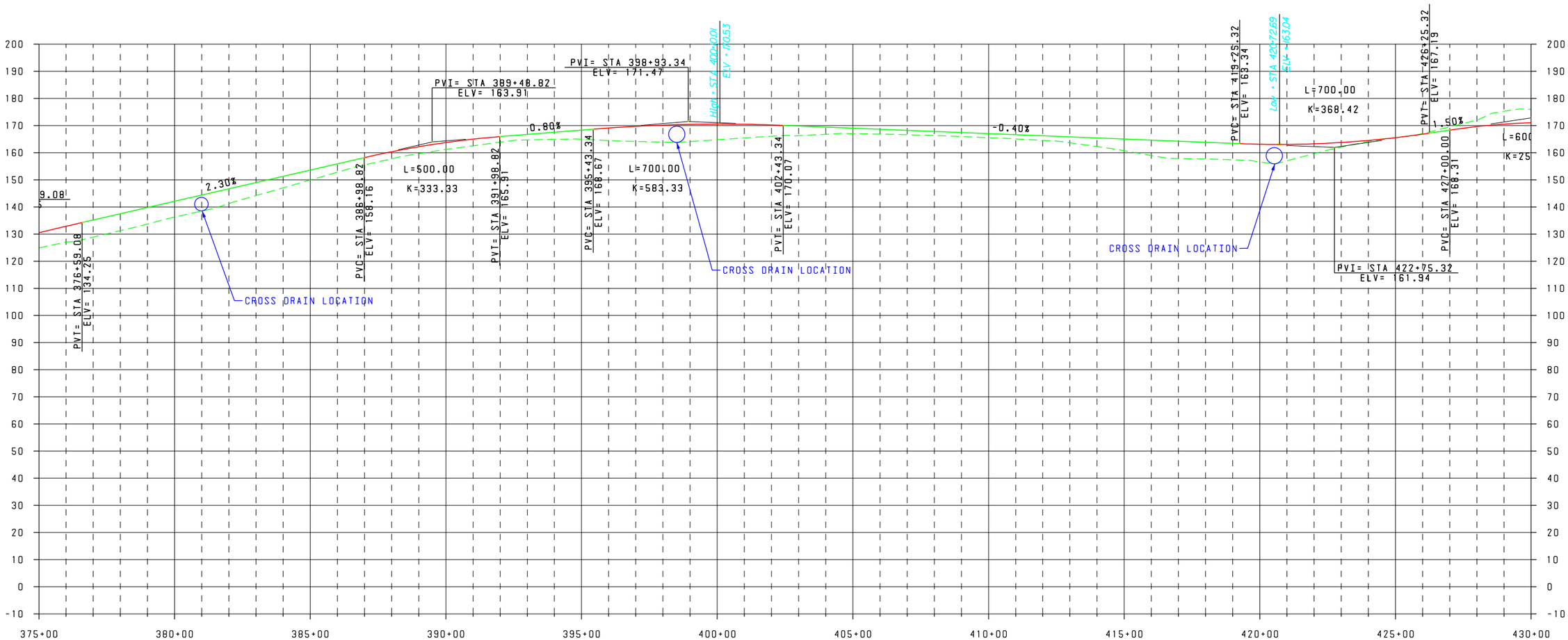
● ENGINEERS
● PLANNERS
● SURVEYORS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

PROFILE SHEET

SHEET NO.
45



EXISTING PROFILE

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H: 1" = 400'

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● ENGINEERS
● PLANNERS
● SURVEYORS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

PROFILE SHEET

SHEET NO.
46

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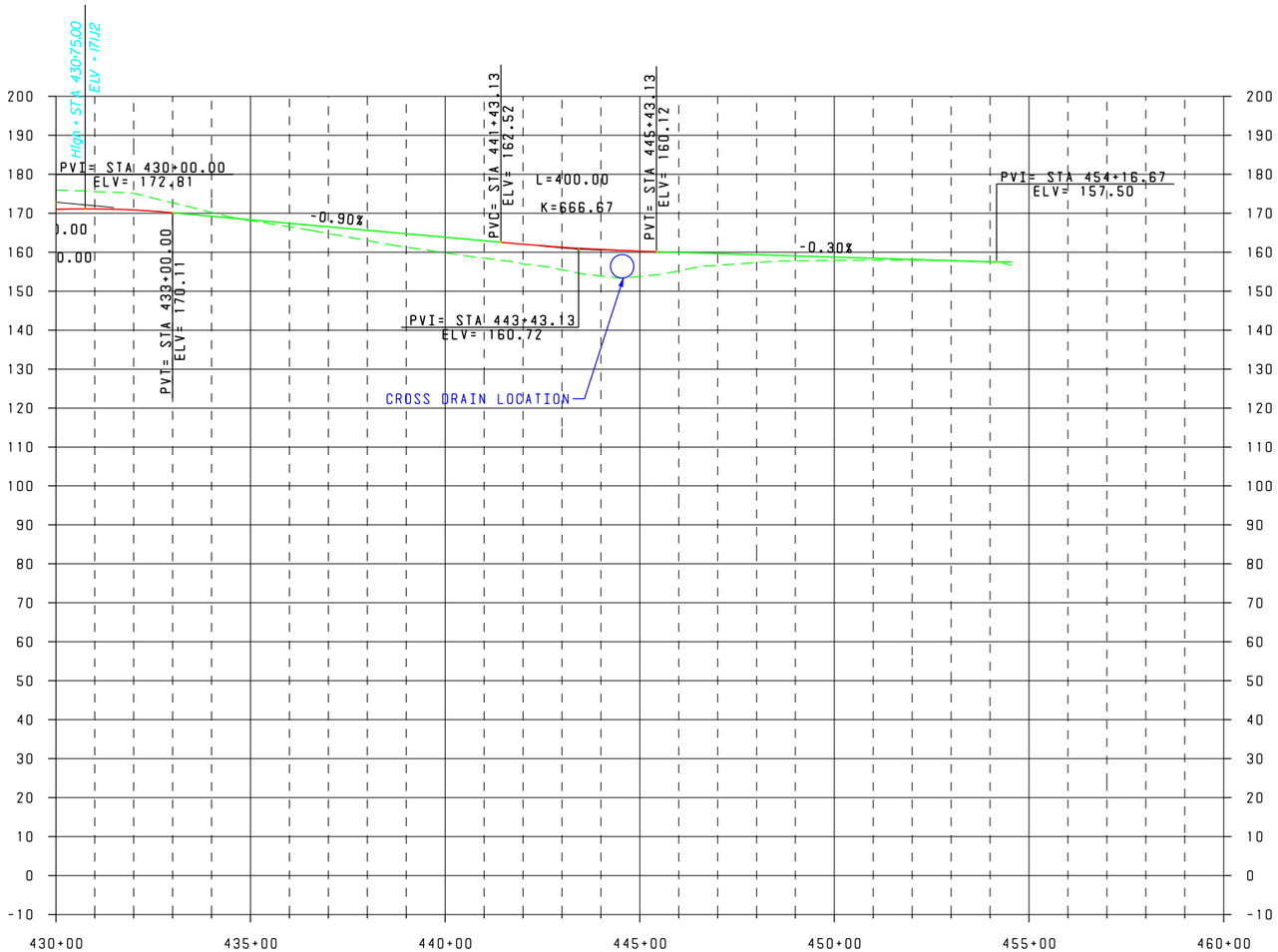

EXISTING PROFILE

WORKING MINIMUM PROFILE

V: 1" = 40'
H: 1" = 400'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

METRIC ENGINEERING, INC.
2616 JENKS AVENUE
PANAMA CITY, FLORIDA 32405
TEL. (850) 872-8044
FAX. (850) 872-8704
FLORIDA CERT. NO. EB-0002294

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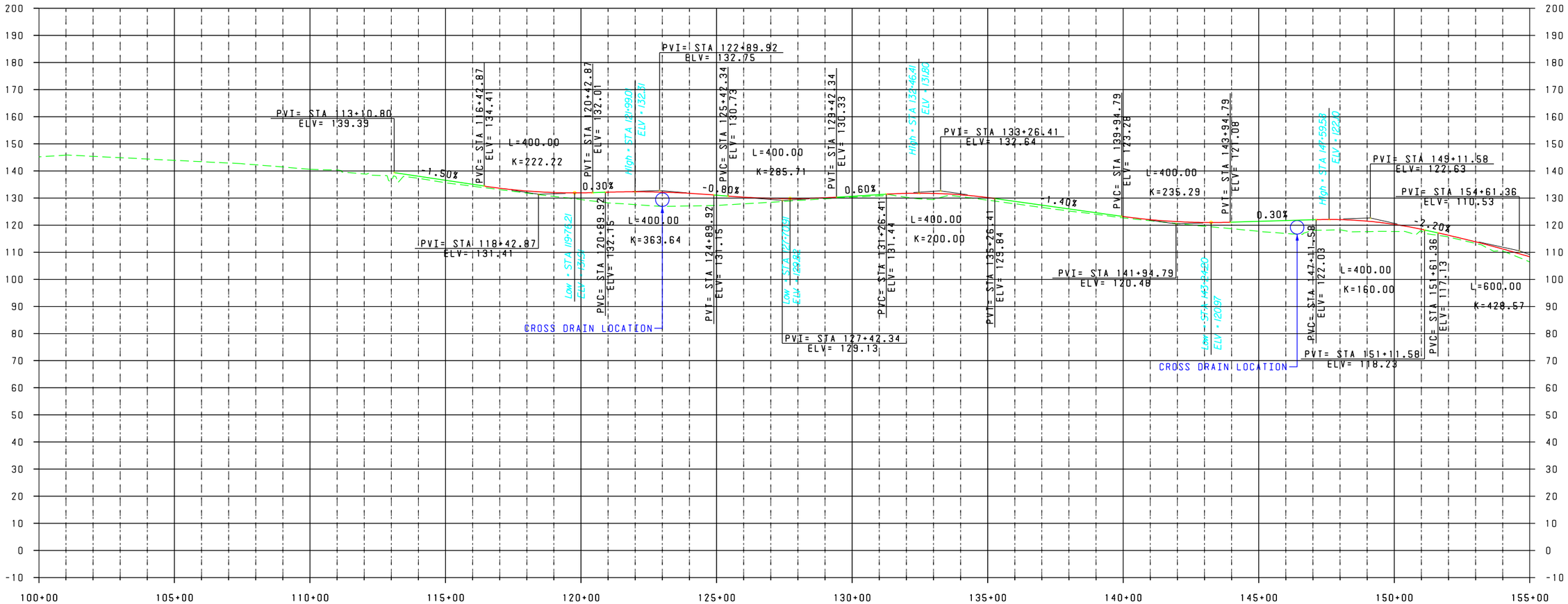
● PLANNERS
● SURVEYORS

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

ROAD NO.	COUNTY	FINANCIAL PROJECT ID
SR 87	SANTA ROSA	416748-3-22-01, ETC.

PROFILE SHEET

SHEET NO.
47



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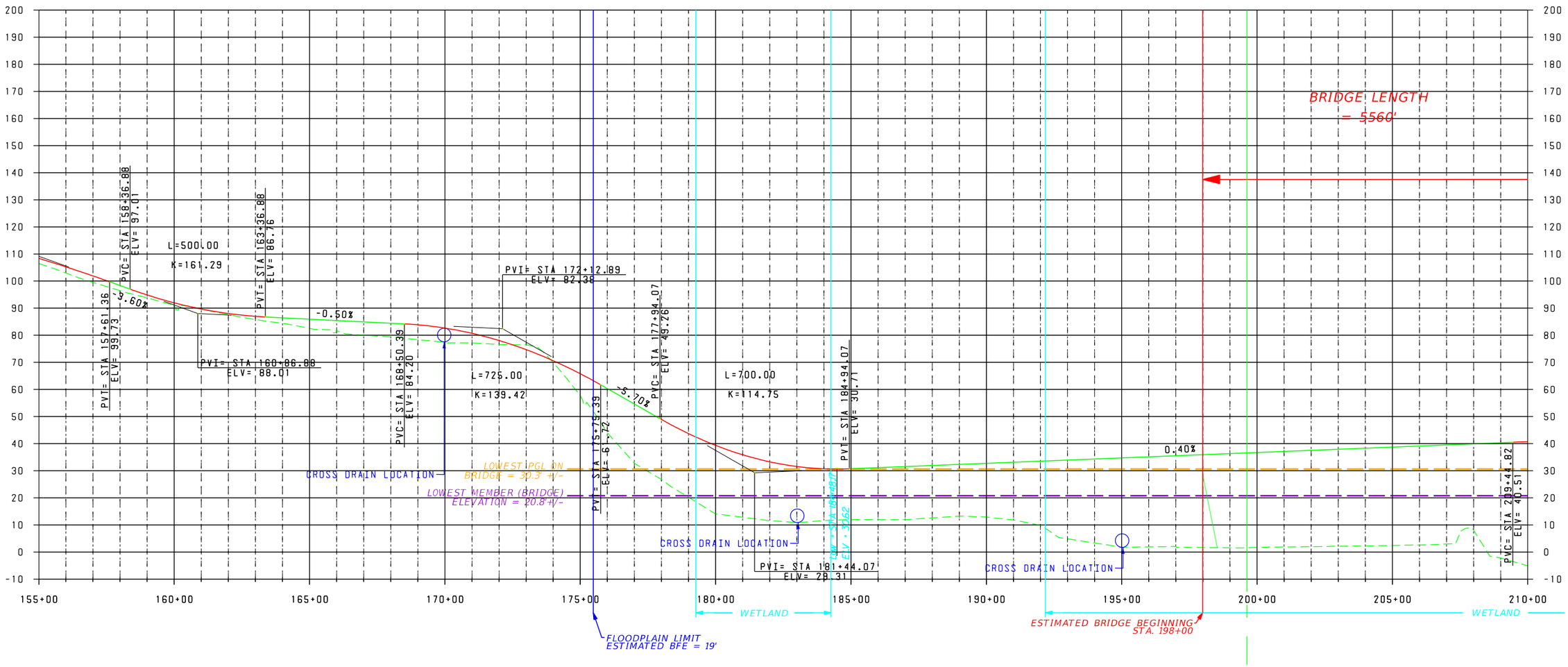

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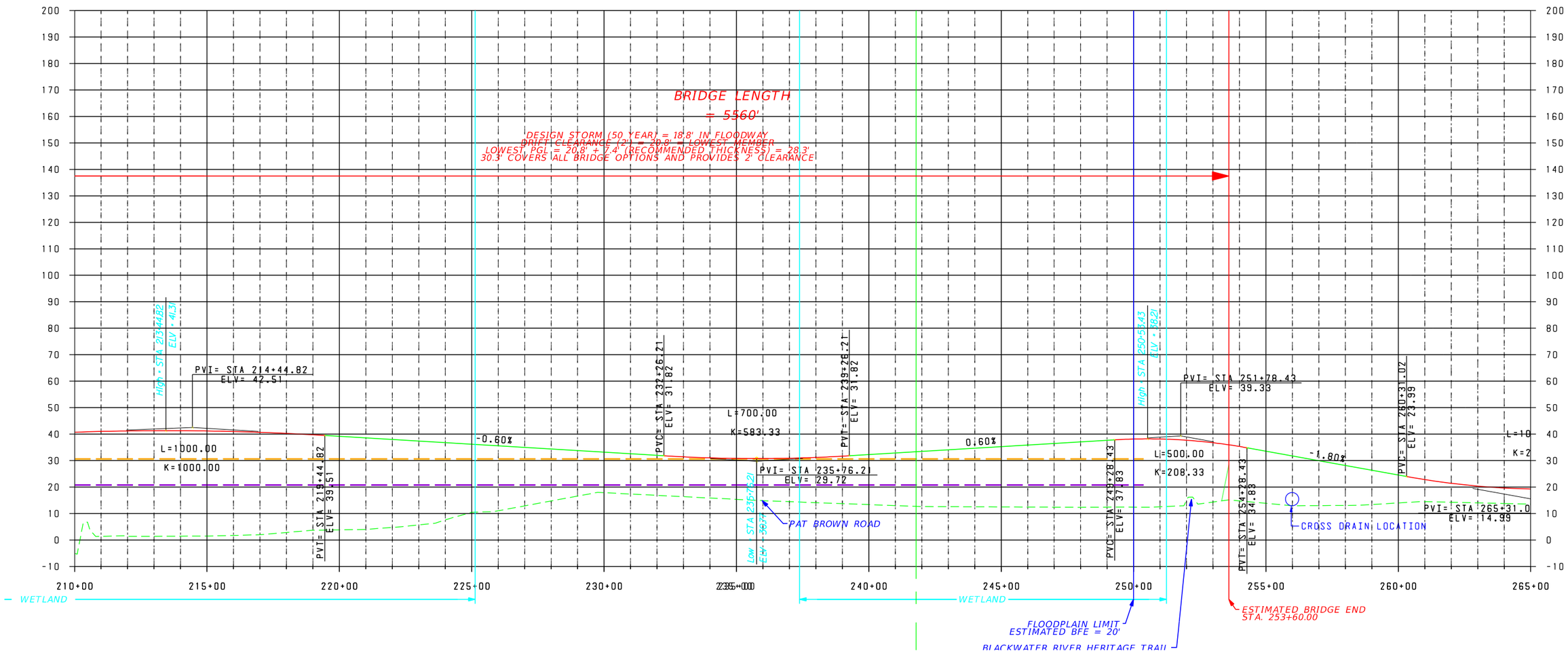

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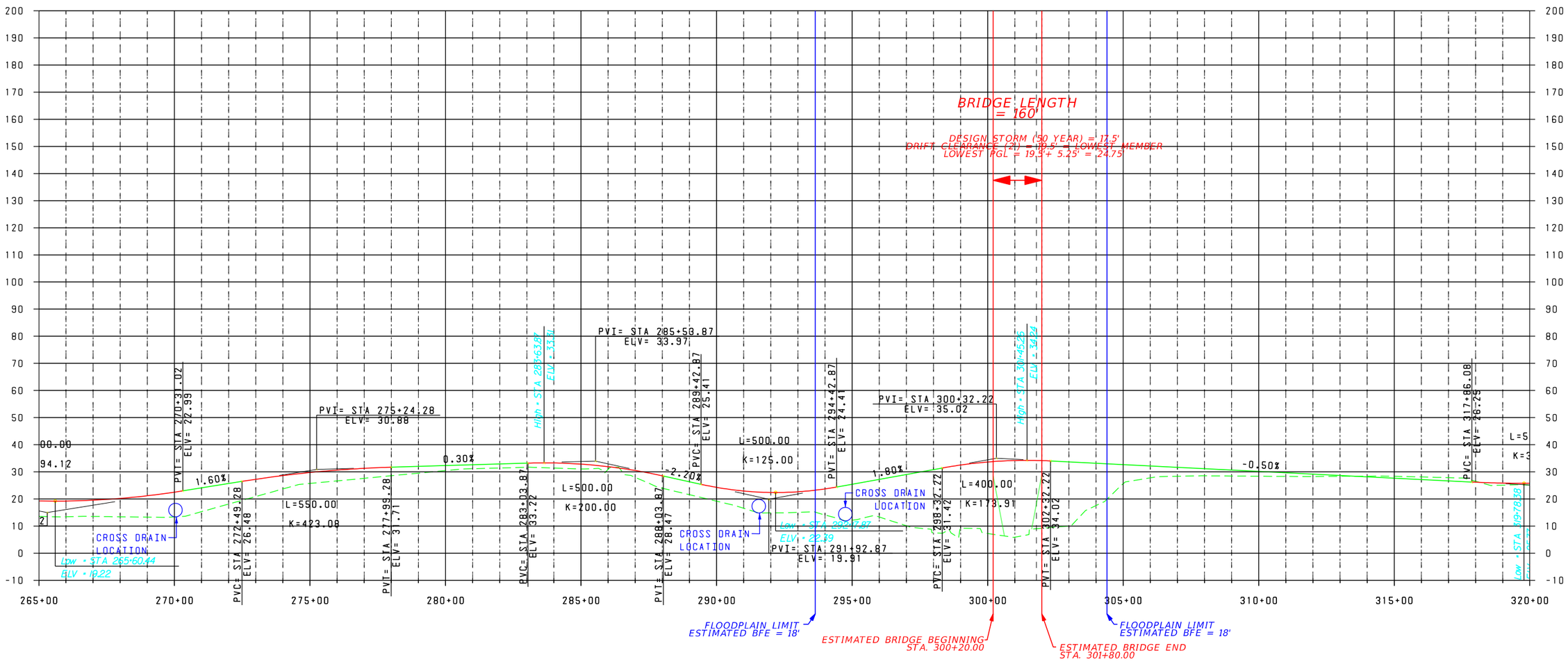
PROFILE SHEET

SHEET NO. 48



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PROFILE SHEET

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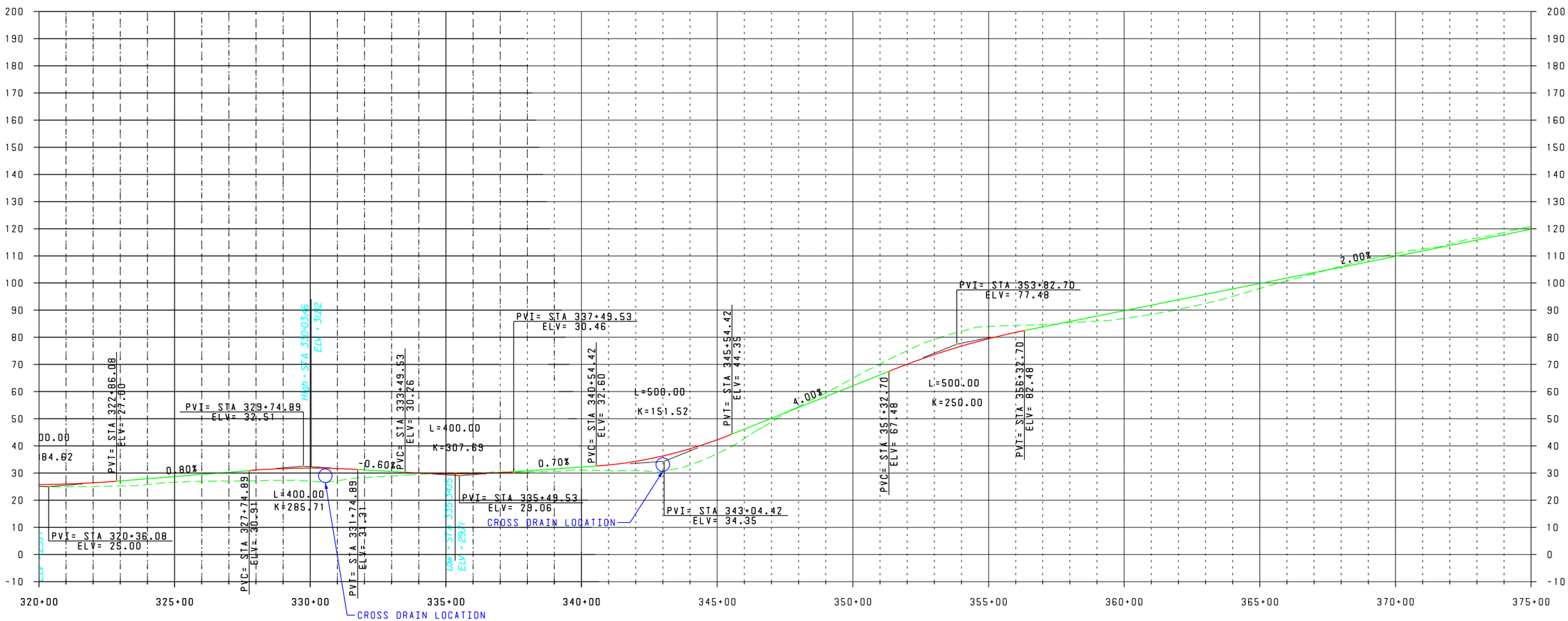
49



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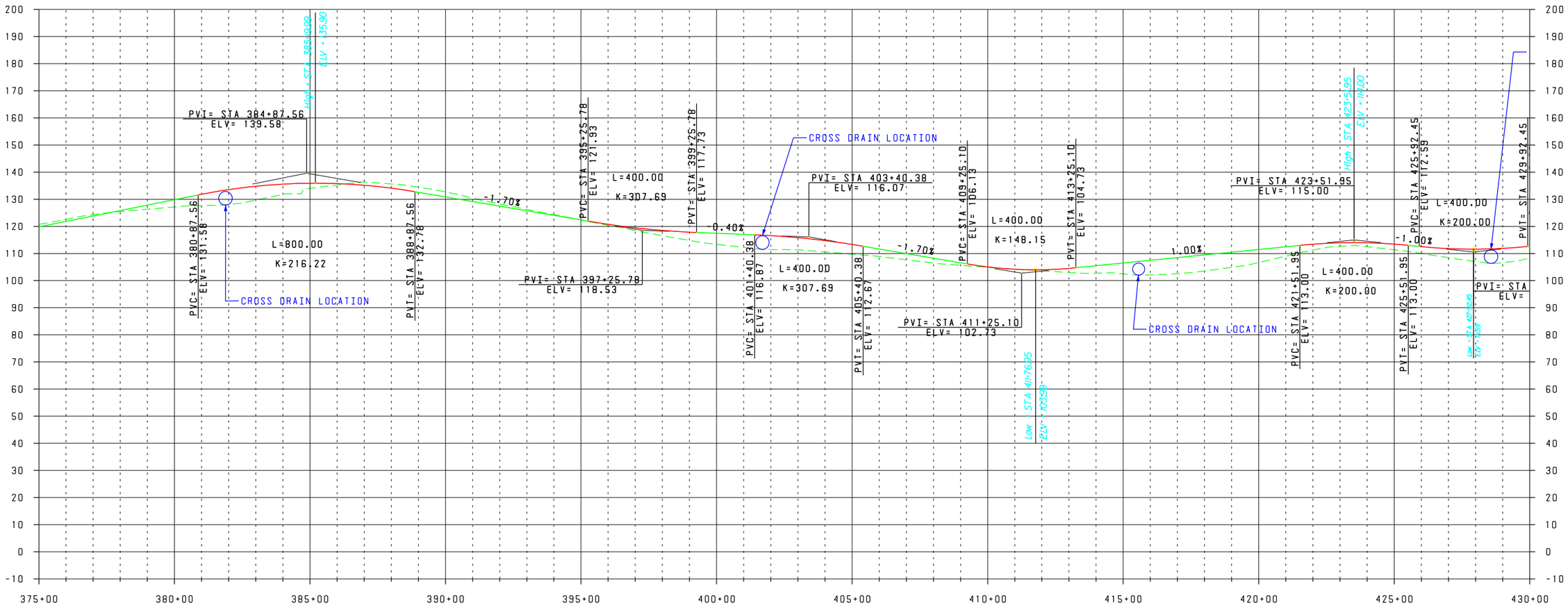
50



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PROFILE SHEET

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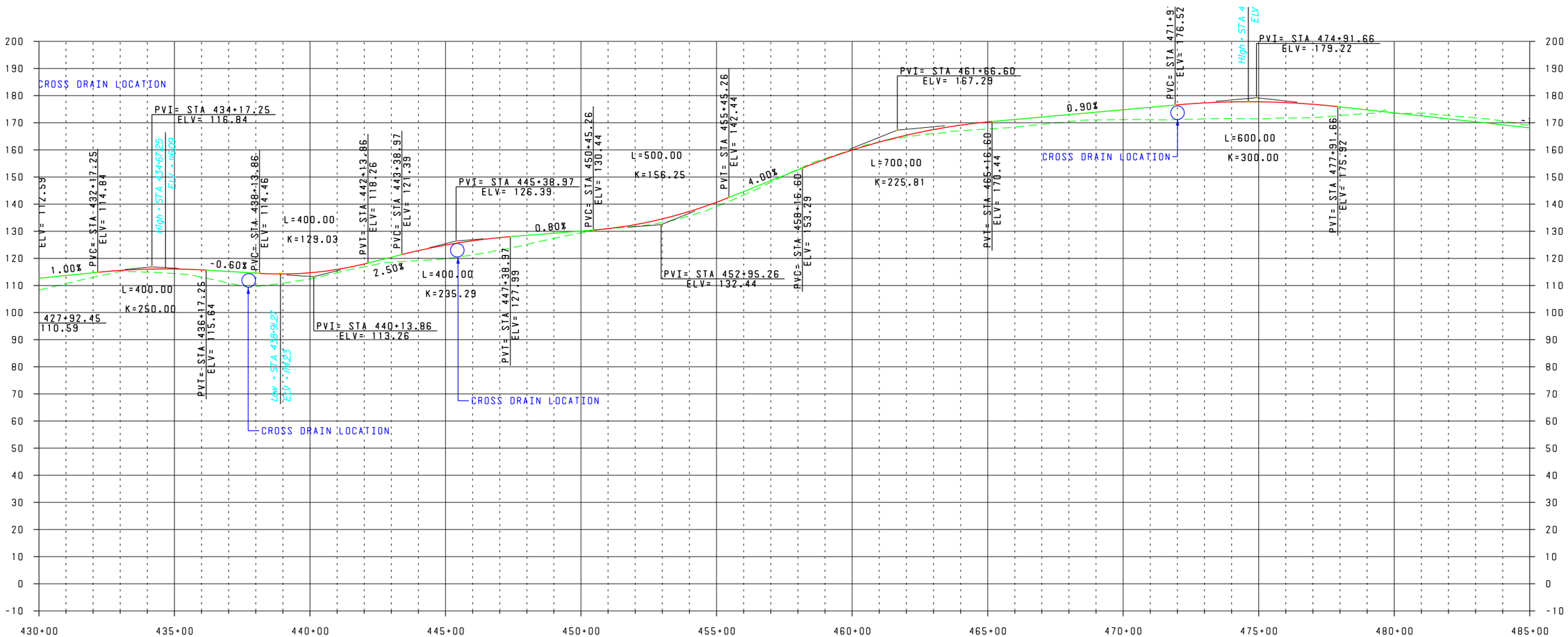
51



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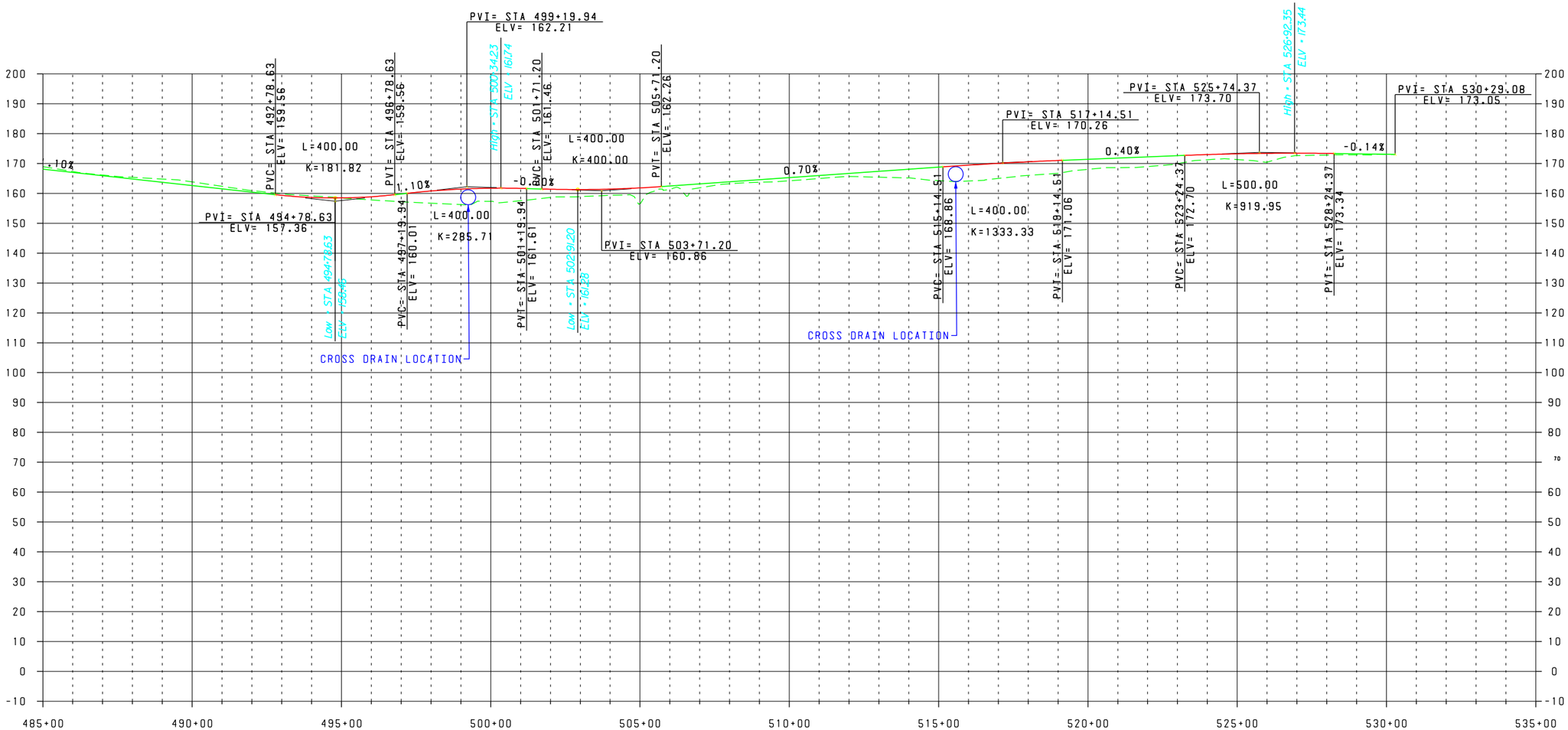
52



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53