

REQUEST FOR COUNCIL ACTION

Date: 11/28/2011
Item No.: 10 . b

Department Approval

DS

City Manager Approval

W. J. Mahnen

Item Description: Ramsey County Presentation of County Road B-2 Project

1 **BACKGROUND**

2 Ramsey County has requested an opportunity to present project details of their major
3 maintenance and reconstruction of intersections on County Road B-2 from Snelling Avenue to
4 Fairview Avenue. See attached information provided by County staff. (Attachment A)

Prepared by: Duane Schwartz

Attachments: A. B-2 Project information

State Of Minnesota
Department Of Transportation
And
RAMSEY COUNTY
In association with City of Roseville

Project Memorandum
For

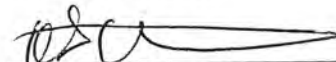
SP 62-678-12 (62-648-017)

County Road B2

From: Prior Avenue
To: Snelling Avenue
Location: in Roseville, MN

Proposed Improvement: This project consists of reconstructing County Road B2 (CSAH 78) at the intersections of Fairview Avenue (CSAH 48) and the ramp from southbound Snelling Avenue (MN 51) in the city of Roseville by widening the 4 lane section of County Road B2 to provide double left turn lanes and reconstruction of the existing traffic signals to provide double left turn lane phasing.

Recommended:

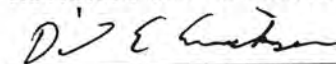


Local Agency Engineer

5/17/10

Date

Reviewed and Recommended:

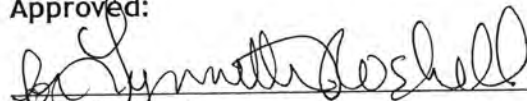


Metro Division State Aid Engineer

5/20/10

Date

Approved:

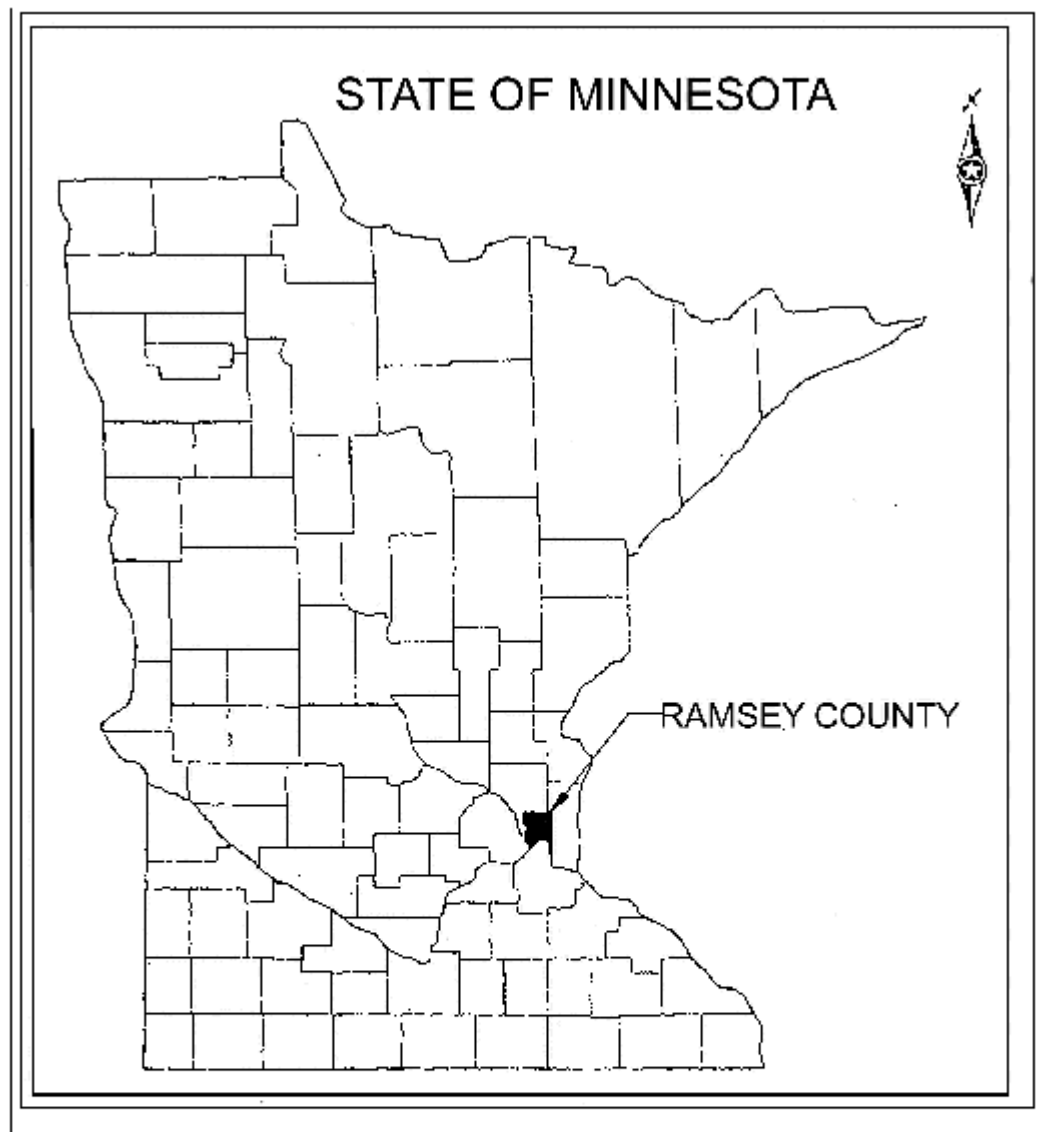


State Aid Engineer
State Aid For Local Transportation

9/24/10

Date

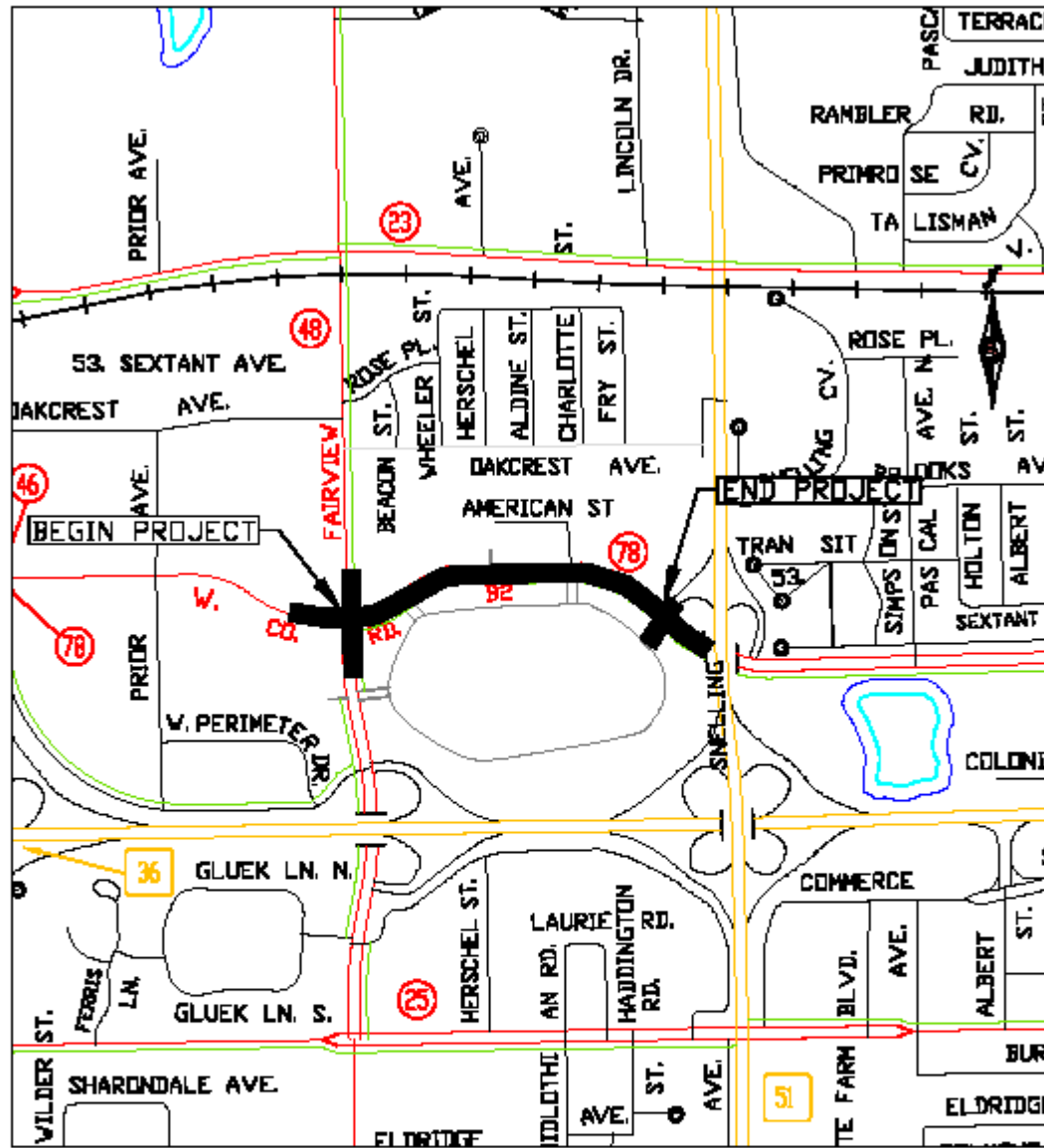
STATE MAP



RAMSEY COUNTY
Department of Public Works

PROJECT LOCATION MAP
COUNTY ROAD B2
CITY OF ROSEVILLE
RAMSEY COUNTY MINNESOTA

LOCATION MAP



RAMSEY COUNTY
Department of Public Works

PROJECT LOCATION MAP

COUNTY ROAD B2 between
FAIRVIEW AVE. & SNELLING AVE.

I. PROJECT INFORMATION

Opening Statement

This Project Memorandum has been prepared and submitted in accordance with the approved Highway Project Design Development Process.

Highway Section Description

Termini

County Road B2 (CSAH 78) From Cleveland Avenue (CSAH 46) to Snelling Avenue (TH 51) west interchange ramp (3730'; 0.71 Mi.)

Adjacent Land Use

The roadway section is adjacent to the Rosedale Mall regional shopping center, with ancillary retail uses surrounding the mall. At the west end of the project there is some office space interspersed with the retail uses, but the land use is primarily retail and restaurant.

Road Usage

Traffic volumes through the project area are affected by the usual peaks associated with high-traffic retail areas. The intersections with Snelling Avenue (TH 51), a Class A Minor Arterial- Augmenter, and Fairview Avenue (CSAH 48), a Class A Minor Arterial- Reliever are critical to the project and combine traffic patterns more typical of arterials with the patterns associated with the intense retail uses. The County Road B2/Snelling Avenue interchange and Snelling Avenue/TH 36 interchange are in very close proximity, with the centerline of County Road B2 located approximately 1,175 feet north of the TH 36 centerline where they cross TH 51.

Horizontal/Vertical Alignment

The vertical alignment is generally flat. The horizontal alignment winds around the north side of Rosedale Mall.

Bridge Crossings

There are no bridge crossings within the project limits.

Railroad Crossings

There are no railroad crossings within the project limits.

Traffic Signals

There are five signalized intersections in the project area: Fairview Avenue (CSAH 48), the northwest Rosedale mall entrance, Brooks Avenue, American Street, and Snelling Avenue (TH 51). Approximate signal spacing is as follows:

- Fairview Ave. to northwest Rosedale mall entrance- 375'
- northwest Rosedale mall entrance to Brooks Ave.- 525'
- Brooks Ave. to American St.- 725'

- American St. to Snelling Ave. SB ramp- 780'

Proposed Improvement

Summary of Proposed Improvements: Road Reconstruction, Traffic Signal, Signing and/or Striping, and Storm/Sanitary Sewer.

The project would add the following lanes at the Fairview Avenue intersection: a southbound right-turn lane, a second southbound left-turn lane, an eastbound right-turn lane, a second eastbound left-turn lane, a second northbound left-turn lane, and a second westbound left-turn lane.

At the intersection with the west Snelling Avenue interchange ramp, the project would add a second left-turn lane on northwestbound County Road B2 into Rosedale mall and lengthen the southeastbound left-turn lane on County Road B2 that accesses the ramp to southbound Snelling Avenue.

At Brooks Avenue, a "T" intersection, a right-turn lane for westbound vehicles will be added.

In addition to the improvements at intersections, the County Road B2 roadway will be repaved to preserve the pavement structure and sidewalk will be replaced, as necessary. Traffic signal controllers, cabinets, and interconnection at the five signalized intersections will be upgraded and Audible Pedestrian Signals (APS) will be installed. All pedestrian curb ramps will be upgraded to conform to Americans with Disabilities Act (ADA) standards.

Project Cost and Funding Sources

The total estimated cost for this project is \$4,945,730.

Anticipated Funding Sources

Federal Funds	\$2,394,000
State Funds	\$0
Local Funds	\$2,551,730 County State Aid and Municipal

The 2010-2013 State Transportation Improvement Program (STIP) has \$2,394,000 in Federal funding scheduled for this project in fiscal year 2012 (Sequence # 1830).

Anticipated Schedule

Project Memorandum	September 2010
Public Meetings	June 2011
Right-of-Way Acquisition	August 2011
Plans, Specifications & Estimate	December 2011
Letting	March 2012

Project Manager

Name	Erin Laberee
Title	Project Manager
Address	Ramsey County Public Works 1425 Paul Kirkwold Dr. Arden Hills, Minnesota 55112
Telephone	651 266-7105
Fax	651 266-7110
E-mail	erin.laberee@co.ramsey.mn.us

Preparer

Name	Joe Lux
Title	Planner
Company/Agency	Ramsey County Public Works
Address	1425 Paul Kirkwold Dr. Arden Hills, Minnesota 55112
Telephone	651-266-7114
Fax	651-266-7110
E-mail	joseph.lux@co.ramsey.mn.us

Project Purpose and Need**Project Purpose**

The purpose of the project is to minimize congestion on the segment of County Road B2 between Prior Avenue and Snelling Avenue by reconfiguring the critical intersections at Fairview Avenue (CSAH 48) and Snelling Avenue (TH 51) and to preserve the road structure while minimizing impacts to adjacent properties. Originally conceived as a six-lane widening project, the results of a traffic study indicate that greater improvements to levels of service can be realized through intersection improvements at Fairview Avenue and at the west ramp from Snelling Avenue without expanding the road segment between these intersections.

Project Need

A traffic study, performed in 2009 by SEH, Inc., indicated that while current levels of service at the subject intersections are generally acceptable, at projected volumes the operations break down and levels of service become unacceptable without mitigation. With improvements to the lane configurations at the Fairview Avenue and west Snelling Avenue ramp intersections, levels of service at those intersections, and at adjacent intersections would remain acceptable through the planning horizon year of 2030. This analysis was compared with expansion of the road to a six-lane facility and resulted in comparable levels of service with significantly less impact to adjacent properties and significantly lower costs.

Alternatives

No-Build Alternatives

The no-build alternative was considered but rejected because it does not address traffic congestion or pavement deterioration concerns along the corridor.

Design/Construction Alternatives

A six-lane expansion of the existing four-lane roadway was originally proposed. This option was rejected because the traffic study indicated that equal or better performance could be achieved with targeted intersection improvements while minimizing impacts to adjacent properties.

Location Alternatives

County Road B2 is located in an intensely developed retail area. No alternative alignments were considered due to the unacceptable impacts on adjacent properties.

Public Involvement

Public Informational Meetings

Public Informational meetings will be held in June 2011, approximately a year prior to the beginning of construction. Because of the intense retail activity in the project area, coordination with the business community will be crucial to minimizing the impact of construction.

Public Hearing

A public hearing will be held to determine the public purpose of the project for right of way acquisition.

Other Public Involvement

Coordination meetings with the City of Roseville will be held, as necessary.

Agency Coordination

County

Ramsey County is the road authority and project proposer.

Municipality

Staff-level meetings have been held with the City of Roseville. Formal approval of the project by the Roseville City Council will be needed prior to letting the contract.

Mn/DOT

MN/DOT will review and approve all plans and specifications prior to advertisement for bids.

Watershed District

The project is in the Rice Creek Watershed District and plans will be submitted for district review.

MnDNR

The project will not affect any DNR protected waters.

Additional Agency Coordination is discussed in the following section.

II. Social, Economic and Environmental Study

Section 4(f)/6(f) Property

The Project will not use Section 4(f) lands or properties or Section 6(f) lands or properties.

National Historic Preservation Act (Section 106)

The project has been reviewed for compliance with Section 106 of the National Historic Preservation Act, as amended by 36 CFR 800, and has been determined to have no effect any historic properties. Under the 2005 Programmatic Agreement between the FHWA and the Minnesota State Historic Preservation Office (SHPO), the review of the project is complete and no comment period or SHPO response is required.

Endangered Species

The project will have no effect on federally listed threatened or endangered species or critical habitat. See attached letters from Mn/DOT's Office of Environmental Services (OES) for federally listed species, and the MnDNR for state species.

Right-of-Way

The project is likely to require non-significant permanent right of way acquisition, permanent and/or temporary easements, minor changes to access, and no relocations. In the southwest quadrant of the County Road B2 / Fairview Avenue intersection, the project will require purchase of an existing gas station. In 1990, the MPCA identified this station as a leak site, and assigned it the Site ID No. 2406. A Phase 1 Environmental Survey will be conducted and appropriate remediation will be performed. The project will require approximately:

- 1 acre of permanent right of way from 7 parcels
- 1 acre of temporary easements from 7 parcels,
- 0 parcels secured by permit or agreement, i.e., limited use permits

Farmland Protection Policy Act

The project will not affect farmland.

Section 404 (Army Corps of Engineers)

The project will not involve placement of fill into waters of the U.S. (defined in 33 CFR 328).

Water Quality

The project will disturb 1 or more acres of land (including clearing, grading and excavation). An MPCA NPDES permit will be submitted prior to project authorization.

Floodplain

The project will not encroach into a floodplain.

Wetlands

The project will not impact or encroach into a wetland.

Noise

The project is not a Type I project. Procedures for abatement of highway traffic noise do not apply, in accordance with 23 CFR 772.

Construction Noise has been considered and no impact is anticipated.

Air Quality

The project will not significantly impact air quality.

Controversial Issues

The project is not anticipated to be controversial.

State Environmental Review (MEQB)

The project has been determined to be an exemption category project in accordance with current Minnesota Rules, Part 4410.4600, Subp. 14, or the project does not meet the mandatory EAW threshold and does not have potential for significant environmental effects.

Federal Action Determination Statement

Based on the results of the environmental study in accordance with 23 CFR 771.117, summarized herein, it is determined that the proposed project is a Class II Action (Categorical Exclusion). This action will have non-significant social, economic, or environmental impacts, and is anticipated to have no foreseeable change on the quality of the human environment.

III. DESIGN STUDY**Design Standards and Specifications**

The project will be designed in accordance with the FHWA-Mn/DOT Stewardship Plan. For this project, the following design standards are applicable:

State Aid Geometric Design Standards:

- 8820.9936 Urban; New or Reconstruction Projects.

State Aid Minimum Geometric Design Standards:

- AASHTO Standard Specifications for Highway Bridges.
- MMUTCD Minnesota Manual on Uniform Traffic Control Devices.
- ADA Americans with Disabilities Act.

The project will be constructed in accordance with the current edition of the Minnesota

Department of Transportation's "Standard Specifications for Construction", including all Supplemental Specifications.

Design Elements

Roadway Design Study

County Road B2, CSAH 78 — From Prior Avenue to Snelling Ave., TH 51

	Existing	Proposed
Road Section Type	Urban	Urban
ADT (year)	16,500 (2007)	23,430 (2030)
Heavy Commercial %	5	5
Design Speed	40 mph	40 mph
Posted (Regulatory) Speed	35 mph	35 mph
Surfacing	Bituminous	Bituminous
Structural Design Strength	10 ton	10 ton
Lane Width(s)	12'	12'
# Thru Lanes (both dir)	4	4
Turn Lane Width	14'	14'
Right-of-Way Width	82'-101'	82'-101'
Median Width	8'-16'	8'-16'
Median Reaction	2'	2'
Parking Lane Width	N/A	N/A
Bicycle Lane Width	N/A	N/A
Curb & Gutter type	B-624	B-624
Curb Reaction	2'	2'
Clearance from Face Curb	2'	2'
Sidewalk Width	6'	6'
Curb Ramps	Yes	Yes

Design Exceptions

None.

Safety Improvements

At the County Road B2/Fairview Avenue intersection a second left-turn lane will be added to the southbound approach, as well as a right-turn lane. An eastbound right-turn lane will be added. On the northbound approach a second left-turn lane will be added. And a second left-turn lane will be added to the westbound approach. The traffic signal will be replaced to accommodate the added roadway width.

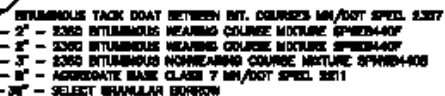
At the County Road B2/west Snelling Avenue ramp intersection, the southeastbound left-turn lane to southbound Snelling Avenue will be lengthened to accommodate the volume of turning vehicles and a second northwestbound left-turn lane will be added into Rosedale mall. The traffic signal at this intersection will also be reconstructed to accommodate the added width of the turn lanes.

Roadway Enhancements

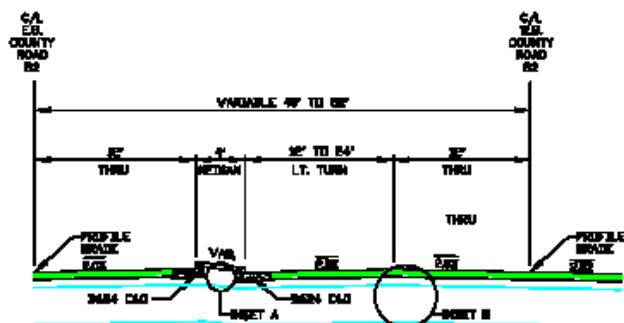
Sidewalk will be reconstructed as needed and all pedestrian curb ramps will be upgraded to meet current standards. APS will be installed at all traffic signals.

Attachments

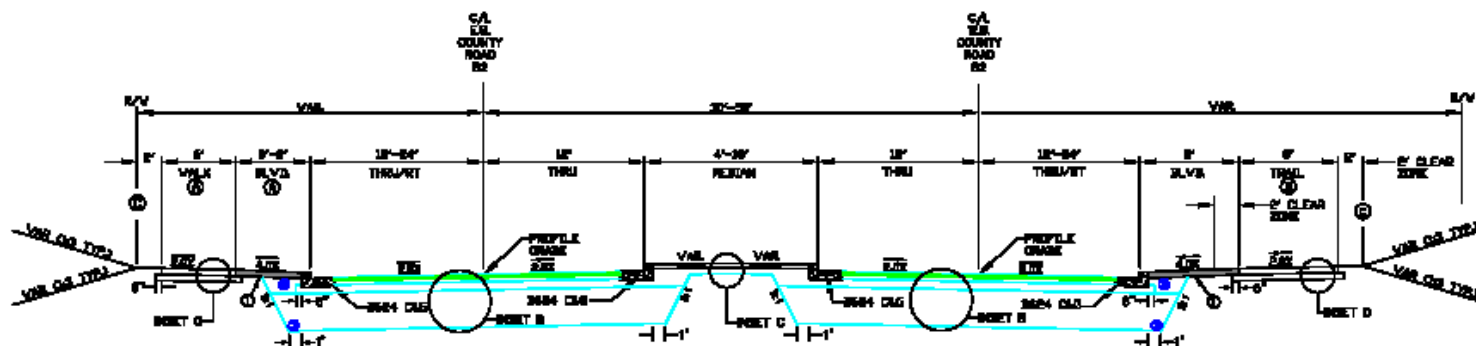
Typical Roadway Sections (Existing and Proposed)



① 4" TOPSOIL AND SOIL
② BACKFILL WITH COMMON GROUND
③ SEE SHEET 63 FOR DRAINILE DETAIL AND
SHEETS 62-67 FOR LOCATIONS



COUNTY ROAD 32 LEFT TURN LANE



~~COUNTY ROAD B2 - STA. XX+XX TO STA. XX+XX~~

- ② 6.0' CONC WALK LEFT ADJACENT TO CURB AND D.O. SLVLS STA 364+30 TO STA 365+70
③ NO DETOURABLE TRAIL RIGHT STA 356+30 TO STA 376+11 ON BOULEVARD
④ PIPE RAILING STA 375+50-377+75 LEFT AND 375+25-377+25 RIGHT
RAILING LOCATION IS 2' FROM BACK OF SIDEWALK OR BIKE TRAIL

[illegible]

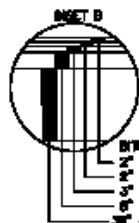
COUNTY ROAD B2

S.A.P.62-670-15
S.A.P.62-6XX-XX
S.A.P.62-6XX-XX



TYPICAL SECTIONS

Sheet No. XX of XXX Sheets



BITUMINOUS TACK COAT BETWEEN BIT. COURSES MN/DOT SPEC. 2387
 2" - 2380 BITUMINOUS WEARING COURSE MIXTURE SPW824-40F
 2" - 2380 BITUMINOUS WEARING COURSE MIXTURE SPW824-40F
 3" - 2380 BITUMINOUS POREWEARING COURSE MIXTURE SPW824-40B
 6" - AGGREGATE BASE CLASS 7 MN/DOT SPEC. 2211
 3" - SELECT GRANULAR SUBGRADE



4" CONCRETE WALK MN/DOT SPEC. 2321
 18" - AGGREGATE BASE CLASS 7 MN/DOT SPEC. 2211

NOTES

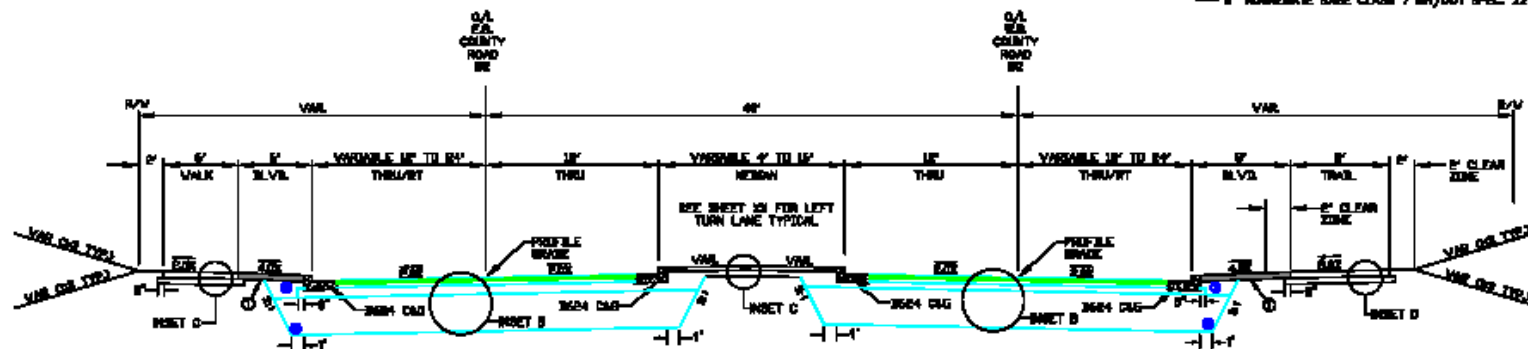
- ① TOPSIDE AND SSB.
- ② BACKFILL WITH COARSE BEDROCK.
- ③ SEE SHEET 53 FOR CURB/TILE DETAIL AND SHEETS 55-57 FOR LOCATIONS.



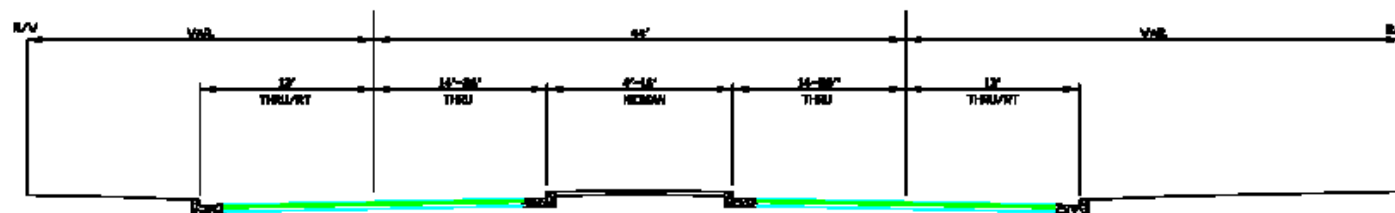
4" CONCRETE WALK MN/DOT SPEC. 2321
 6" AGGREGATE BASE CLASS 7 MN/DOT SPEC. 2211



3" 2380 BITUMINOUS WEARING COURSE MIXTURE LYSB824-30B
 6" AGGREGATE BASE CLASS 7 MN/DOT SPEC. 2211



FAIRVIEW AVENUE - STA. XX+XX TO STA. XX+XX



EXISTING COUNTY ROAD B2

DESIGNED BY:	DATE:
CHECKED BY:	DATE:
APPROVED BY:	DATE:

COUNTY ROAD B2

S.A.P. 62-678-15
 S.A.P. 62-6XX-XX
 S.A.P. 62-6XX-XX



TYPICAL SECTIONS
 Sheet No. 26 of 315 Sheets

Agency Correspondence

Lux, Joseph

From: Labaree, Erin
Sent: Monday, April 05, 2010 8:47 AM
To: Lux, Joseph
Subject: FW: S.P. 62-678-12 - ESA (Section 7) - Determination of No Effect

From: Alcott, Jason (DOT) [mailto:Jason.Alcott@state.mn.us]
Sent: Monday, April 05, 2010 8:05 AM
To: Labaree, Erin
Cc: Ross, Jennie (DOT); Bieringer, Mary (DOT)
Subject: S.P. 62-678-12 - ESA (Section 7) - Determination of No Effect

Endangered Species Act of 1973, as amended – Section 7
Determination of No Effect
S.P. 62-678-12, County Road B2, Fairview Avenue, Snelling Avenue
Intersection Improvements
City of Roseville
Ramsey County

In response to your request, the proposed action has been reviewed for potential effects to federally-listed threatened, endangered, proposed, candidate species and listed critical habitat. As a result of this review, a determination of no effect has been made:

Section 7 of Endangered Species Act of 1973, as amended, requires each Federal agency to review any action that it funds, authorizes or carries out to determine whether it may affect threatened, endangered, proposed species or listed critical habitat. Federal agencies, or their designated non-federal representatives (FHWA has delegated Mn/DOT) as their non-federal representative, must consult with the Service if any such effects may occur as a result of their actions. Consultation with the Service is not necessary if the proposed action will not directly or indirectly affect listed species or critical habitat. If a federal agency finds that an action will have no effect on listed species or critical habitat, it should maintain a written record of that finding that includes the supporting rationale.

Based on the information you have provided, it has been determined that no further action under Section 7 of the Act is required. However, if information becomes available indicating that federally-listed species or designated critical habitat may be affected, please contact this office and consultation with the Service will be initiated, if necessary.

Jason Alcott
Natural Resource Specialist, Program Coordinator
Minnesota Department of Transportation
Mail Stop 620
395 John Ireland Boulevard
St. Paul, MN 55155-1696
Phone: 651-368-3625
Fax: 651-368-3603
Email: jason.alcott@state.mn.us
(Note: Email Address Change)

Minnesota Department of Natural Resources

Division of Ecological Resources, Box 25

500 Lafayette Road

St. Paul, Minnesota 55155-4025

Phone: (651) 259-5107 Fax: (651) 296-1811 E-mail: heidi.cyr@state.mn.us



May 10, 2010

Correspondence # ERDB 20100661

Mr. Brian Essler
Ramsey County Public Works
1425 Paul Kirkwold Drive
Arden Hills, MN 55112-3933

RE: Natural Heritage information in the vicinity of the proposed CR B2 at Fairview Ave. and at Snelling Southbound ramp (SP62-678-12), T29N R23W Section 9, Ramsey County

Dear Mr. Essler,

Please note that the Township, Range, or Section information that was listed on the Data Request Form did not exactly match the project area as outlined on the map that was submitted with the form. The enclosed search results are for the area indicated on the map. Please contact me if the location description of your project area, as listed in the subject line of this letter, is in error.

As requested, the Minnesota Natural Heritage Information System has been queried to determine if any rare species or other significant natural features are known to occur within an approximate one-mile radius of the proposed project. Based on this query, several rare features have been documented within the search area (for details, please see the enclosed database report). However, given the project details that were provided with the data request form, I do not believe the proposed project will negatively affect any known occurrences of rare features.

The Natural Heritage Information System (NHIS), a collection of databases that contains information about Minnesota's rare natural features, is maintained by the Department of Natural Resources, Division of Ecological Resources. The NHIS is continually updated as new information becomes available, and is the most complete source of data on Minnesota's rare or otherwise significant species, native plant communities, and other natural features. However, the NHIS is not an exhaustive inventory and thus does not represent all of the occurrences of rare features within the state. Therefore, ecologically significant features for which we have no records may exist within the project area.

The results are enclosed as an Index Report of records in the Rare Features Database, the main database of the NHIS. To control the release of specific location information, which might result in the destruction of a rare feature, the report is copyrighted. The Index Report provides rare feature locations only to the nearest section, and may be reprinted, unaltered, in an environmental review document (e.g., EAW or EIS), municipal natural resource plan, or report compiled by your company for the project listed above. If you wish to reproduce the index report for any other purpose, please contact me to request written permission.

This letter does not constitute review or approval by the Department of Natural Resources as a whole. Instead, it identifies issues regarding known occurrences of rare features and potential effects to these rare features. Additional rare features for which we have no data may be present in the project area, or there may be other natural resource concerns associated with the proposed project. For these concerns, please contact your DNR Regional Environmental Assessment Ecologist, Melissa Doperalski at (651-259-5738). Please be aware that additional site assessments or review may be required.

Thank you for consulting us on this matter, and for your interest in preserving Minnesota's rare natural resources. An invoice will be mailed to you under separate cover.

Sincerely,

A handwritten signature in black ink, appearing to read 'Heidi Cyr', enclosed within a simple oval outline.

Heidi Cyr
Endangered Species Environmental Review Specialist

enc. Rare Features Database: Index Report
Rare Features Database Reports: An Explanation of Fields

Printed May 2010
Data valid for one year

Minnesota Natural Heritage Information System
Index Report of records within 1 mile radius of:
ERDB #20100661 -CR B2 at Fairview Ave. & at Snelling (SP62-678-12)
T29N R23W Section 9
Ramsey County

Page 1 of 1

Rare Features Database:

Element Name and Occurrence Number	Federal Status	MN Status	State Rank	Global Rank	Last Observed Date	EO ID #
Invertebrate Animal						
<u>Cicindela lepida</u> (Little White Tiger Beetle) #6 T29N R23W S21, T29N R23W S16, T29N R23W S17; Ramsey County		THR	S1	G3G4	1924-07-08	26810
<u>Paradamoetas fontana</u> (A Jumping Spider) #5 T29N R23W S15, T29N R23W S9, T29N R23W S16, T29N R23W S10; Ramsey County		SPC	S3	GNR	1967-06-25	27726

Records Printed = 2

Minnesota's endangered species law (*Minnesota Statutes*, section 84.0895) and associated rules (*Minnesota Rules*, part 6212.1800 to 6212.2300 and 6134) prohibit the taking of threatened or endangered species without a permit. For plants, taking includes digging or destroying. For animals, taking includes pursuing, capturing, or killing.

The Division of Ecological Resources recently adopted a new database system called Biotics. As a result of this change, the layout and contents of the database reports have been revised. Many of the fields included in the new reports are the same or similar to the previous report fields, however there are several new fields and some of the field definitions have been slightly modified. We recommend that you familiarize yourself with the latest field explanations.

Rare Features Database Reports: An Explanation of Fields

The Rare Features Database (Biotics) is part of the Natural Heritage Information System, and is maintained by the Division of Ecological Resources, Minnesota Department of Natural Resources (DNR).

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Field Name: [Full (non-abbreviated) field name, if different]. Further explanation of field.

-E-

Element Name and Occ #: [Element Name and Occurrence Number]. The Element is the name of the rare feature. For plant and animal species records, this field holds the scientific name followed by the common name in parentheses; for all other elements (such as native plant communities, which have no scientific name) it is solely the element name. Native plant community names correspond to Minnesota's Native Plant Community Classification (Version 2.0). The Occurrence Number, in combination with the Element Name, uniquely identifies each record.

EO Data: [Element Occurrence Data]. For species elements, this field contains data collected on the biology of the Element Occurrence* (EO), including the number of individuals, vigor, habitat, soils, associated species, peculiar characteristics, etc. For native plant community elements, this field is a summary text description of the vegetation of the EO, including structure (strata) and composition (dominant/characteristic species), heterogeneity, successional stage/dynamics, any unique aspects of the community or additional noteworthy species (including animals). Note that this is a new field and it has not been filled out for many of the records that were collected prior to conversion to the new database system. Some of the information meeting the field definition may be found in the General Description field.

EO ID#: [Element Occurrence Identification Number]. Unique identifier for each Element Occurrence record.

EO Rank: [Element Occurrence Rank]. An evaluation of the quality and condition of an Element Occurrence (EO) from A (highest) to D (lowest). Represents a comparative evaluation of: 1) quality as determined by representativeness of the occurrence especially as compared to EO specifications and including maturity, size, numbers, etc. 2) condition (how much has the site and the EO itself been damaged or altered from its optimal condition and character). 3) viability (the long-term prospects for continued existence of this occurrence - used in ranking species only). EO Ranks are assigned based on recent fieldwork by knowledgeable individuals.

Extent Known?: A value that indicates whether the full extent of the Element is known (i.e., it has been determined through field survey) at that location. If null, the value has not been determined.

-F-

Federal Status: Status of species under the U.S. Endangered Species Act. LE = endangered; LT = threatened; LE,LT = listed endangered in part of its range, listed threatened in another part of its range; LT,PDL = listed threatened, proposed for delisting; C = candidate for listing. If null or "No Status" the species has no federal status.

First Observed Date: Date that the Element Occurrence was first reported at the site in format YYYY-MM-DD. A year followed by "Pre" indicates that the observed date was sometime prior to the date listed, but the exact date is unknown.

-G-

General Description: General description or word picture of the area where the Element Occurrence (EO) is located (i.e., the physical setting/context surrounding the EO), including a list of adjacent communities. When available, information on surrounding land use may be included. Note that the information tracked in this field is now more narrowly defined than it was in the old database system, and some of the information still in this field more accurately meets the definition of the new EO Data field. We are working to clean up the records so that the information in the two fields corresponds to the current field explanations described herein. Also note that the use of uppercase in sentences in this field is not significant but rather an artifact of transferring data from the old database system to the new system.

Global Rank: The global (i.e., range-wide) assessment of the relative rarity or imperilment of the species or community. Ranges from G1 (critically imperiled due to extreme rarity on a world-wide basis) to G5 (demonstrably secure, though perhaps rare in parts of its range). Global ranks are determined by NatureServe, an international network of natural heritage programs and conservation data centers.

-L-

Last Observed Date: Date that the Element Occurrence was last observed to be extant at the site in format YYYY-MM-DD.

Last Survey Date: Date of the most recent field survey for the Element Occurrence, regardless of whether it was found during the visit. If the field is blank, assume the date is the same as the Last Observed Date.

Location Description: County or Counties in which the Element Occurrence was documented followed by Township, Range, and Section information (not listed in any particular order). Each unique Township, Range, and Section combination is separated by a comma. In some cases, there are too many Township, Range, and Section combinations to list in the field, in which case, the information will be replaced with, "Legal description is too lengthy to fit in allotted space".

-M-

Managed Area(s): Name of the federally, state, locally, or privately managed park, forest, refuge, preserve, etc., containing the occurrence, if any. If this field is blank, the element probably occurs on private land. If "(Statutory Boundary)" occurs after the name of a managed area, the location may be a private inholding within the statutory boundary of a state forest or park.

MN Status: [Minnesota Status]. Legal status of plant and animal species under the Minnesota Endangered Species Law: END = endangered; THR = threatened; SPC = special concern; NON = tracked, but no legal status. Native plant communities, geological features, and colonial waterbird nesting sites do not have any legal status under the Endangered Species Law and are represented by a N/A.

-N-

NPC Classification (v1.5): Native plant community name in Minnesota's Native Vegetation: A Key to Natural Communities (Version 1.5). This earlier classification has been replaced by Minnesota's Native Plant Community Classification (Version 2.0).

-O-

Observed Area: The total area of the Element Occurrence, in acres, which is measured or estimated during fieldwork. If null, the value has not been determined.

Ownership Type: Indicates whether the land on which the Element Occurrence was located was publicly or privately owned; for publicly owned land, the agency with management responsibility is listed, if known.

-S-

Site Name: The name of the site(s) where the Element Occurrence is located. Sites are natural areas of land with boundaries determined and mapped according to biological and ecological considerations.

Survey Site #/Name: The name of the survey site, if applicable, where the Element Occurrence is located. Survey sites are sites that provide a geographic framework for recording and storing data, but their boundaries are not based on biological and ecological considerations. Minnesota County Biological Survey site numbers, if applicable, are also listed in this field.

Survey Type: Information on the type of survey used to collect information on the Element Occurrence.

Surveyor(s): Name(s) of the person(s) that collected survey information on the Element Occurrence.

State Rank: Rank that best characterizes the relative rarity or endangerment of the taxon or plant community in Minnesota. The ranks do not represent a legal status. They are used by the Minnesota Department of Natural Resources to set priorities for research, inventory and conservation planning. The state ranks are updated as inventory information becomes available. S1 = Critically imperiled in Minnesota because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation from the state. S2 = Imperiled in Minnesota because of rarity or because of some factor(s) making it very vulnerable to extirpation from the state. S3 = Vulnerable in Minnesota either because rare or uncommon, or found in a restricted range, or because of other factors making it vulnerable to extirpation. S4 = Apparently secure in Minnesota, usually widespread. S5 = Demonstrably secure in Minnesota, essentially ineradicable under present conditions. SH = Of historical occurrence in the state, perhaps having not been verified in the past 20 years, but suspected to be still extant. An element would become SH without the 20-year delay if the only known occurrences in the state were destroyed or if it had been extensively and unsuccessfully looked for. SNR = Rank not yet assessed. SU = Unable to rank. SX = Presumed extinct in Minnesota. SNA = Rank not applicable. S#S# = Range Rank: a numeric range rank (e.g., S2S3) is used to indicate the range of uncertainty about the exact status of the element. S#B, S#N = Used only for migratory animals, whereby B refers to the breeding population of the element in Minnesota and N refers to the non-breeding population of the element in Minnesota.

-V-

Vegetation Plot: Code(s) for any vegetation plot data that have been collected within this Element Occurrence (i.e., either Relevé Number or the word "RELEVÉ" indicates that a relevé has been collected).

* Element Occurrence – an area of land and/or water in which an Element (i.e., a rare species or community) is, or was, present, and which has practical conservation value for the Element as evidenced by potential continued (or historical) presence and/or regular recurrence at a given location. Specifications for each species determine whether multiple observations should be considered 1 Element Occurrence or 2, based on minimum separation distance and barriers to movement.

Data Security

Locations of some rare features must be treated as sensitive information because widespread knowledge of these locations could result in harm to the rare features. For example, wildflowers such as orchids and economically valuable plants such as ginseng are vulnerable to exploitation by collectors; other species, such as bald eagles, are sensitive to disturbance by observers. For this reason, we prefer that publications not identify the precise locations of vulnerable species. We suggest describing the location only to the nearest section. If this is not acceptable for your purposes, please call and discuss this issue with the Endangered Species Environmental Review Coordinator at (612) 259-5109.



Minnesota Department of Transportation

Office of Environmental Services
Mail Stop 620
395 John Ireland Boulevard
St. Paul, MN 55155-1899

Office Tel: (651) 366-3620
Fax: (651) 366-3603

September 16, 2010

Ramsey Co. Department of Public Works
1425 Paul Kirkwood Drive
Aulen Hills, MN 55112-3933
Attn: Erin Labrecq

Re: S.P. 62-678-12, T29N R23W Section 9, Intersection Improvements, Co Rd B2 at
Fairview and Snelling Avenues, Roseville

Dear Erin:

We have reviewed the above-referenced undertaking pursuant to our FHWA-delegated responsibilities for compliance with Section 106 of the National Historic Preservation Act, as amended (36 CFR 800), and as per the terms of the Programmatic Agreement (PA) between the FHWA and the Minnesota State Historic Preservation Office (SHPO) (June 2005).

Your letter indicates the undertaking will involve reconstruction of the CR B2/Fairview Avenue intersection, adding dual left turn lanes at all approaches and right turn lanes to the southbound and eastbound approaches. At the County Road B2/Snelling Avenue southbound ramp intersection, the eastbound left turn lane would be lengthened and a second westbound left turn lane added. Reconstruction of sidewalk, curb ramps, signal reconstruction, and the boulevard would be included in the project. The existing alignment will remain the same with widening at the new turn lanes. The project will have minor right of way impacts except at the NW quadrant of CR B2 and Fairview where an existing gas station will be acquired to accommodate construction of the southbound right turn lane.

Our office has defined the area of potential effect (APE) for archaeological resources to be the proposed construction limits. The APE for architectural history properties was determined to be the first tier of properties adjacent to the construction limits. Once the APE was established, we examined the SHPO database for the list of previously recorded resources in the area. Based on these queries, there are no previously recorded archaeological resources within the APE, or adjacent to it.

We have determined that there will be no historic properties affected by the project as currently proposed. As there are no historic properties within the project APE, the section 106 review of this project is now complete and no SHPO comment period and response are required under the terms of the new PA. If the project scope changes, please provide our office with the revised information and we will conduct an additional review.

Sincerely,

Teresa Martin, State Prog Admin Coordinator
Cultural Resources Unit

cc:

Joe Hudak, Mn/DOT CRU
Mn/DOT CO File



Minnesota Department of Transportation

State Aid for Local Transportation

Mail Stop 500, 4th Floor
395 John Ireland Boulevard
St. Paul, MN 55155-1899

Fax: 651 366-3801

November 9, 2011

Erin LaBeree
Traffic Engineer
Ramsey County Public Works
1425 Paul Kirkwold Drive
Arden Hills, MN 55112

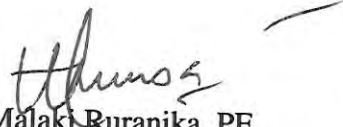
SUBJECT: SP 62-678-12, 62-648-17
Road Reconstruction, Traffic Signal, Signing, Striping and Storm / Sanitary
Sewer
Project Memorandum Amendment #1 Approval

Dear Ms. LaBeree:

Attached is a copy of the approved Amendment # 1 to the Project Memorandum for the above referenced project. This amendment documents the changes to the project that have occurred since the approval of the initial project memorandum.

If you have any questions, please do not hesitate to contact me at 651-366-3825, or by e-mail at Malaki.Ruranika@state.mn.us.

Sincerely,


Malaki Ruranika, PE
Asst Project Development Engineer

Enclosure

cc: Michelle Moser – Metro State Aid
File

An Equal Opportunity Employer



STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

RAMSEY COUNTY

PROJECT MEMORANDUM # 1

FOR

SP 62-678-12 (62-648-017)
STPX 6212(092)

COUNTY ROAD B2
FROM: Prior Avenue
TO: Snelling Avenue
IN THE CITY OF ROSEVILLE

PROPOSED IMPROVEMENT: This project consists of reconstructing County Road B2 (CSAH 78) from Prior Avenue to Snelling Avenue. The intersections of Fairview Avenue and the ramp from South bound Snelling Avenue will be widened to provide for double left turn lanes and the existing traffic signals within the corridor will be replaced.

Recommended:



Local Agency Engineer

11/1/11

Date

Reviewed and Recommended:

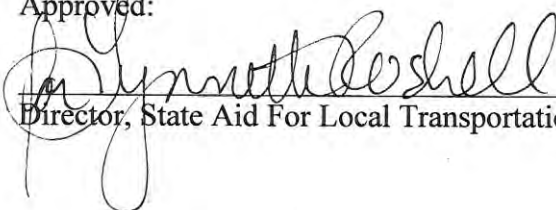


District State Aid Engineer

11/7/11

Date

Approved:



Director, State Aid For Local Transportation

11/8/11

Date

The Project Memorandum was previously approved as a Categorical Exclusion on September 24, 2010. The purpose of this addendum is to document the changes to the project on County Road B2 between Fairview Avenue and the south bound Snelling Avenue off ramp from what was proposed in the project memo.

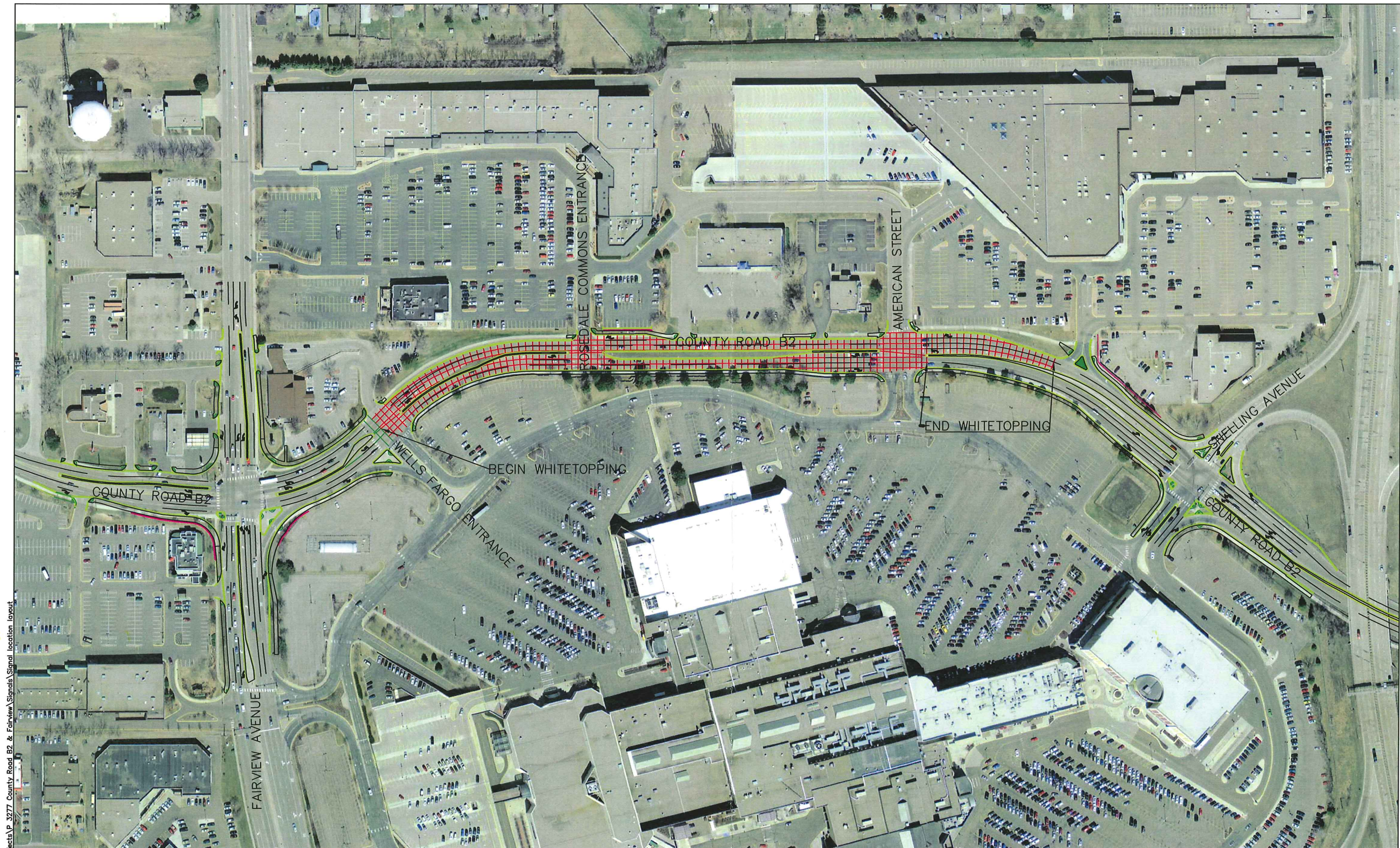
Originally the project included a mill and overlay for the portion of County Road B2 between Fairview Avenue and the southbound Snelling Avenue off ramp. The project will now remove the existing bituminous roadway and replace it with a concrete section. This change was made due to the high volume of traffic on County Road B2 and the minimal price difference between bituminous and concrete. The curb and gutter will be replaced where previously it was to remain because of its poor condition, especially at the joints. The sidewalk on the south side of County Road B2 will also be replaced for constructability reasons.

Previously the traffic signals at the Wells Fargo/Mall Entrance, American Road and the Rosedale Commons Entrance were to remain, but because of their age and condition they will be replaced and include APS.

The geometric improvements to the road between Fairview and Snelling will not change from the original plans included in the project memorandum and include the addition of a right turn lane into the Rosedale Commons Entrance; otherwise the roadway will be replaced in its current location with no changes to alignment, profile or width.

The total estimated project cost with the above mentioned changes is \$5,976,815, which is \$1,031,085 over the original estimate of \$4,945,730. The anticipated funding sources will remain at \$2,394,000 of federal funds and local funds will increase from \$2,551,730 to 3,582,815.

This revision is not anticipated to cause any changes to the social, economic or environmental impacts to this project; therefore, this project continues to meet the criteria for a categorical exclusion per 23 CFR 771.117.



H:\Civil 3D Projects\19-3277 County Road B2 & Fairview Signals\Signal Location Layout

NO.	REV-DATE	BY:	DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNED: _____

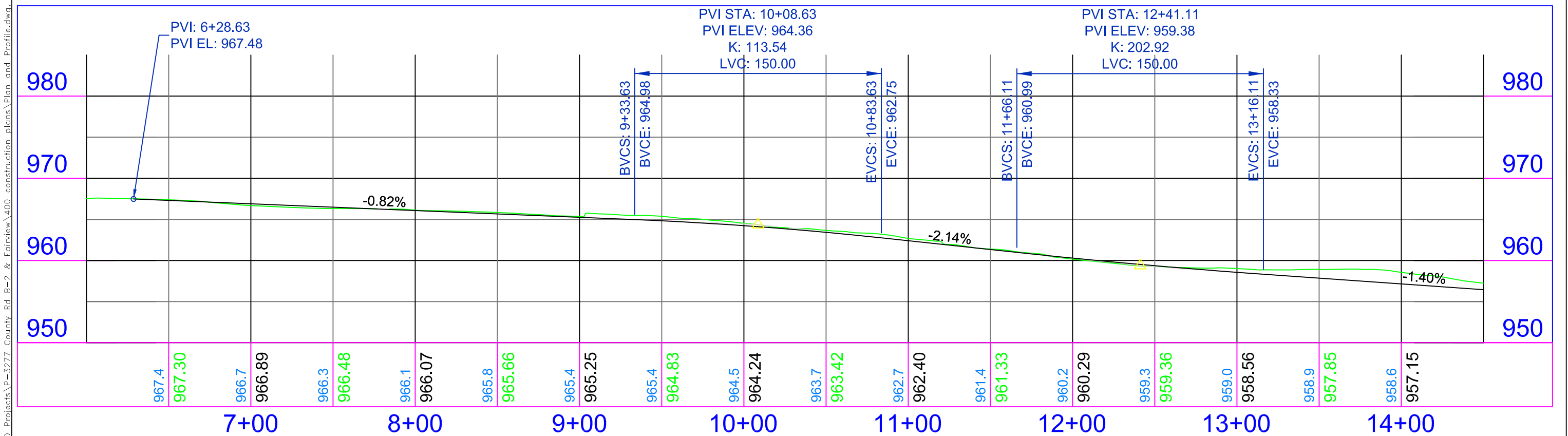
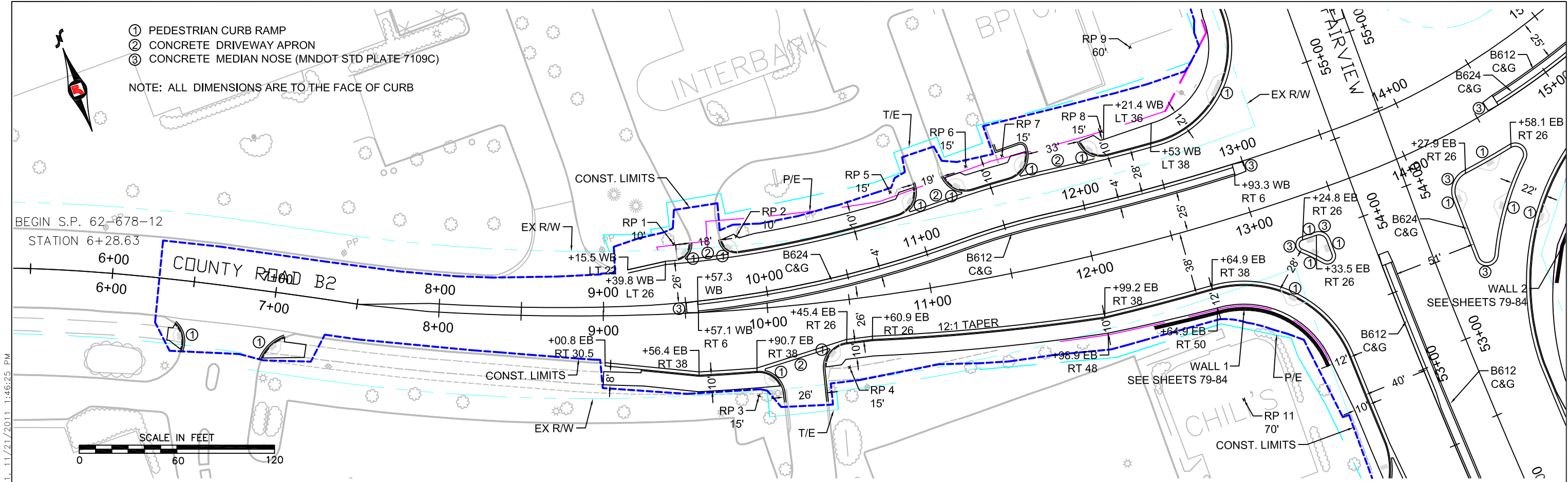
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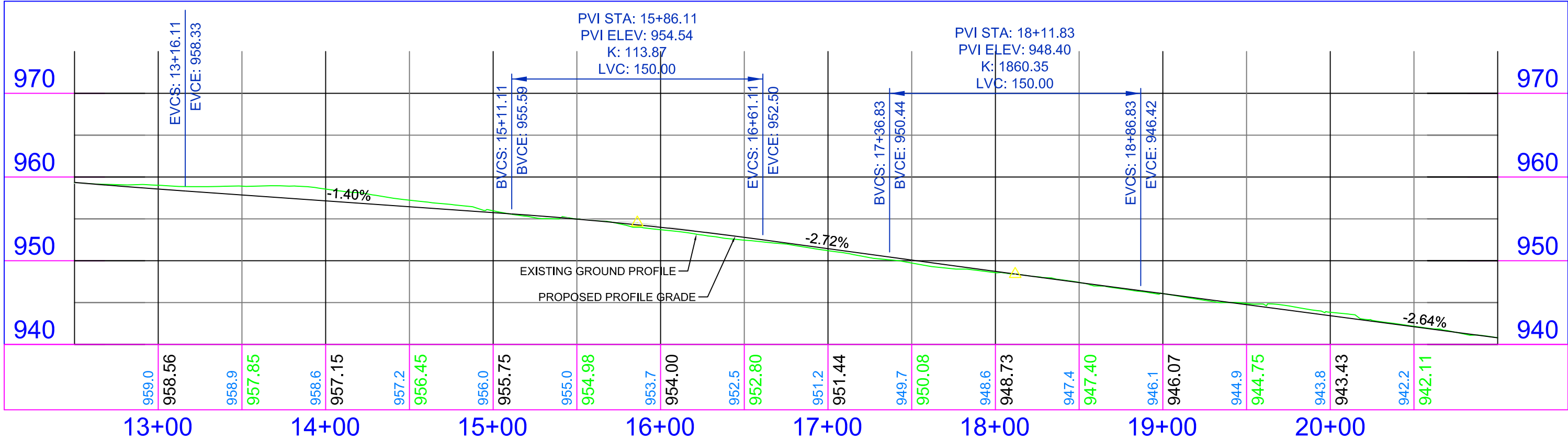
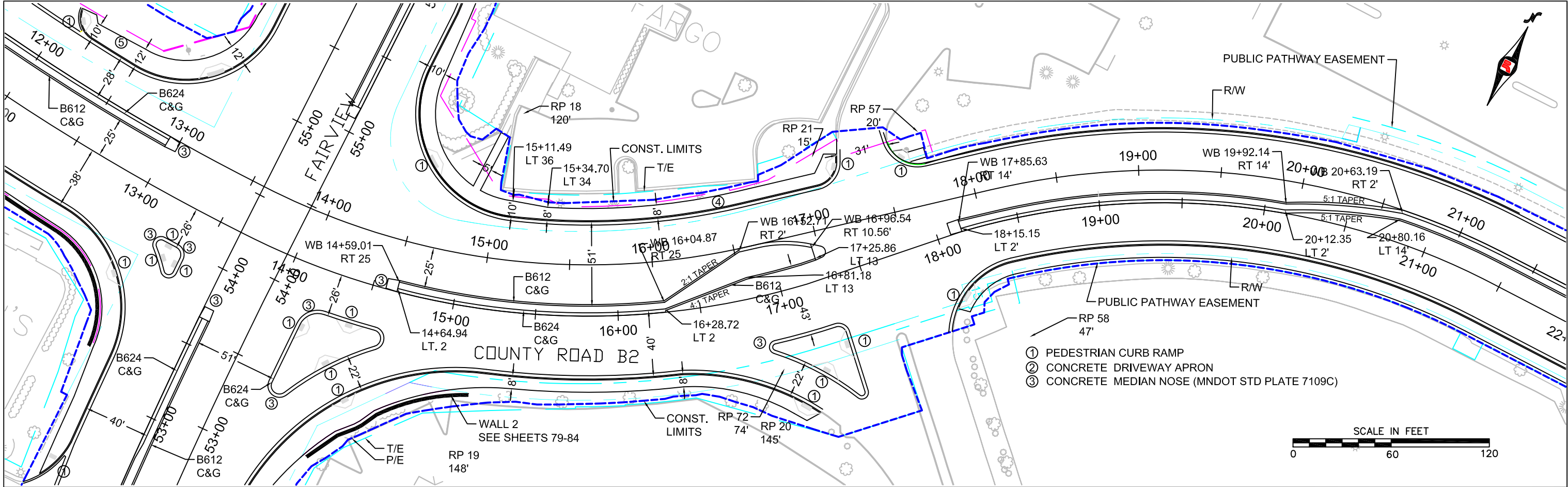
COUNTY ROAD B2
PRIOR AVENUE TO ARONA STREET

S.P. 62-678-12
S.P. 62-648-17
COUNTY PROJ. P-3277



WHITETOPPING LAYOUT
SHEET 1 OF 1 SHEETS





NO.	REV-DATE	BY:	DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNED: _____

REG NO: _____ DATE: _____

COUNTY ROAD B2

PRIOR AVE TO ARONA STREET

S.P. 62-678-12

S.P. 62-648-17

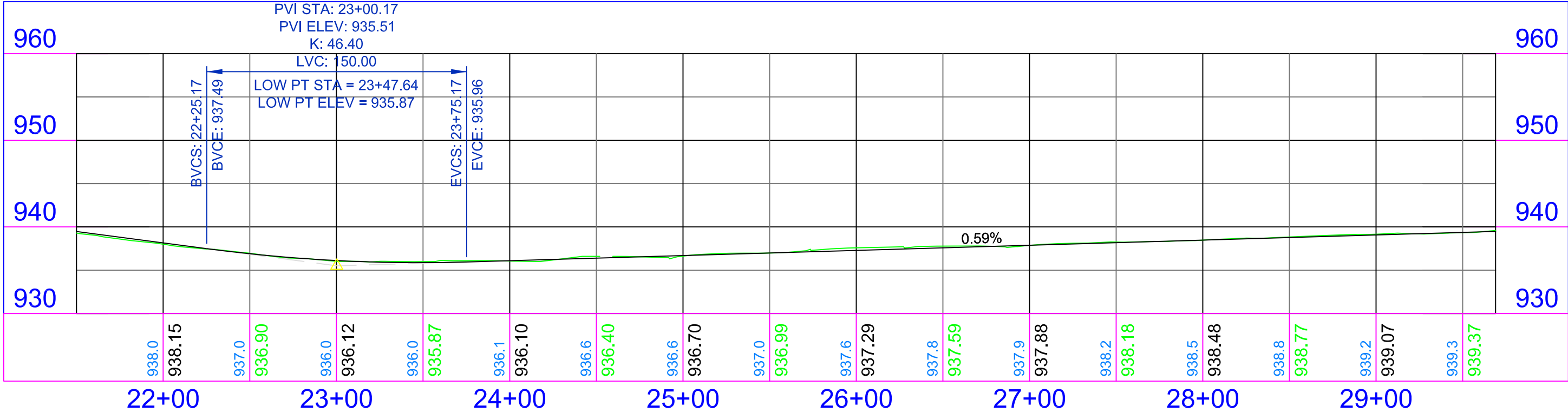
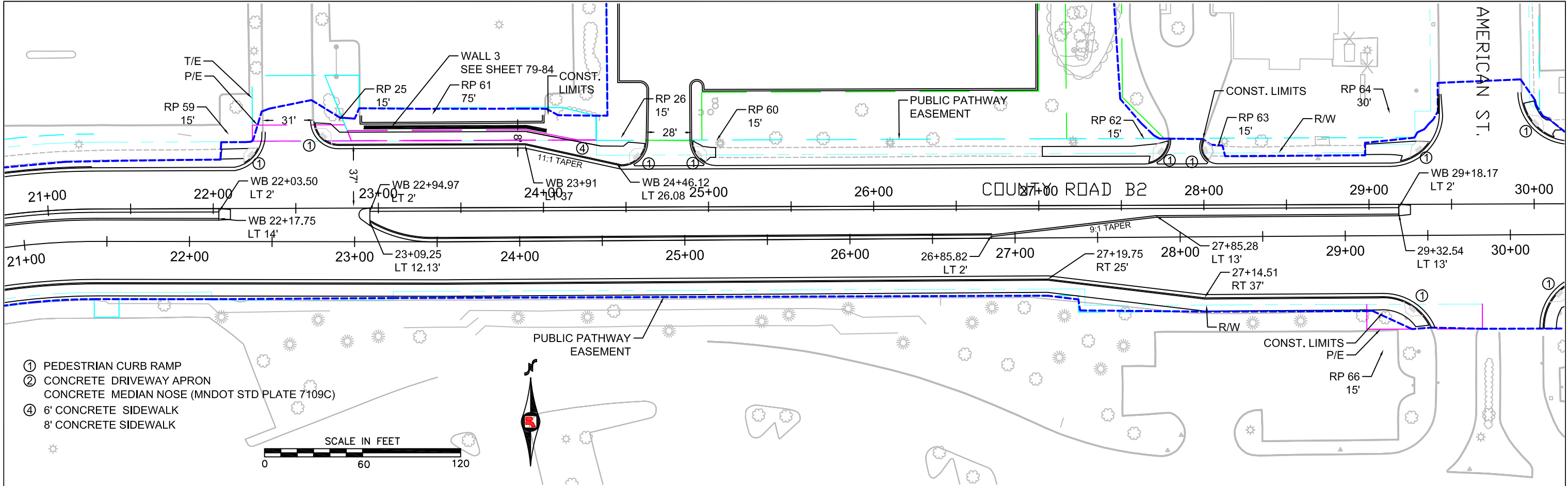
COUNTY PROJ. P-3277



CONSTRUCTION PLAN ANB PROFILE

SHEET 52 OF 999 SHEETS

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NO.	REV-DATE	BY:	DESCRIPTION

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNED: _____

REG NO: _____ DATE: _____

COUNTY ROAD B2

PRIOR AVE TO ARONA STREET

S.P. 62-678-12

S.P. 62-648-17

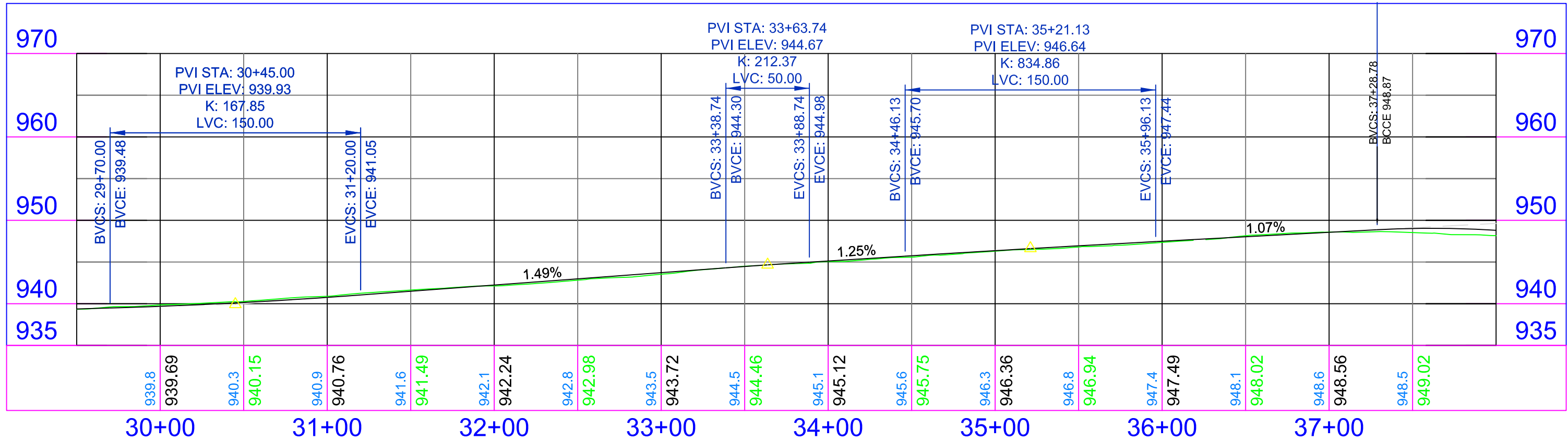
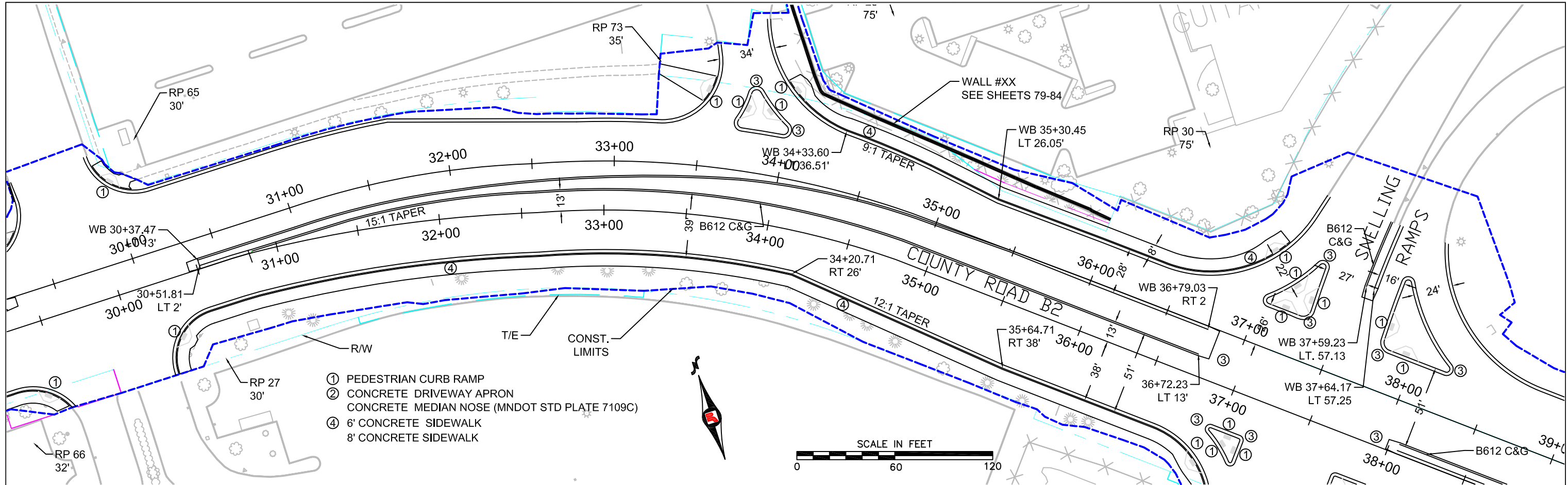
COUNTY PROJ. P-3277



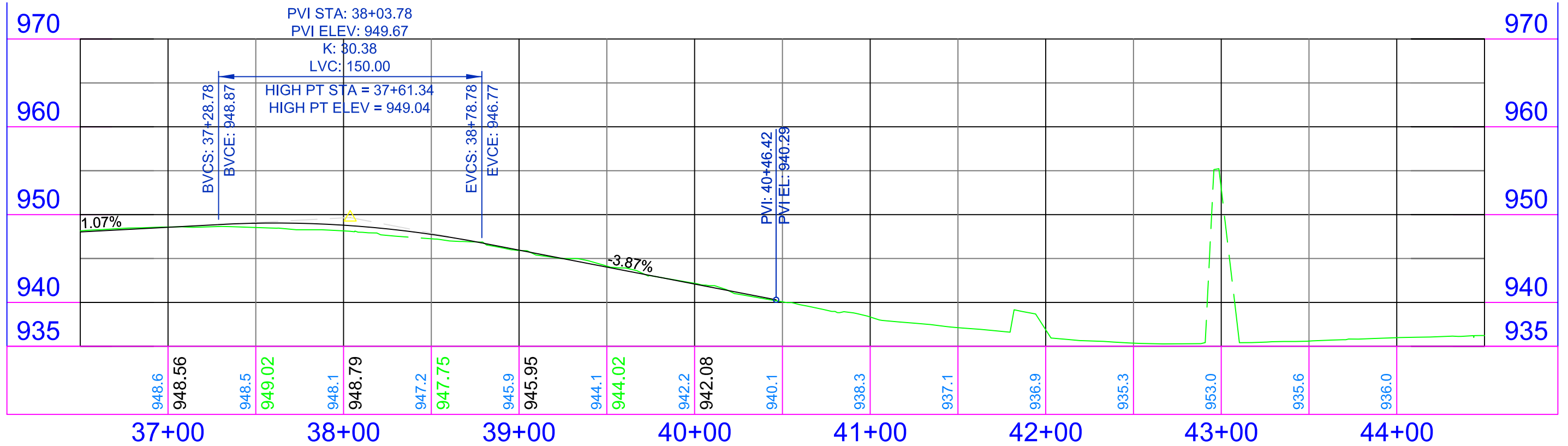
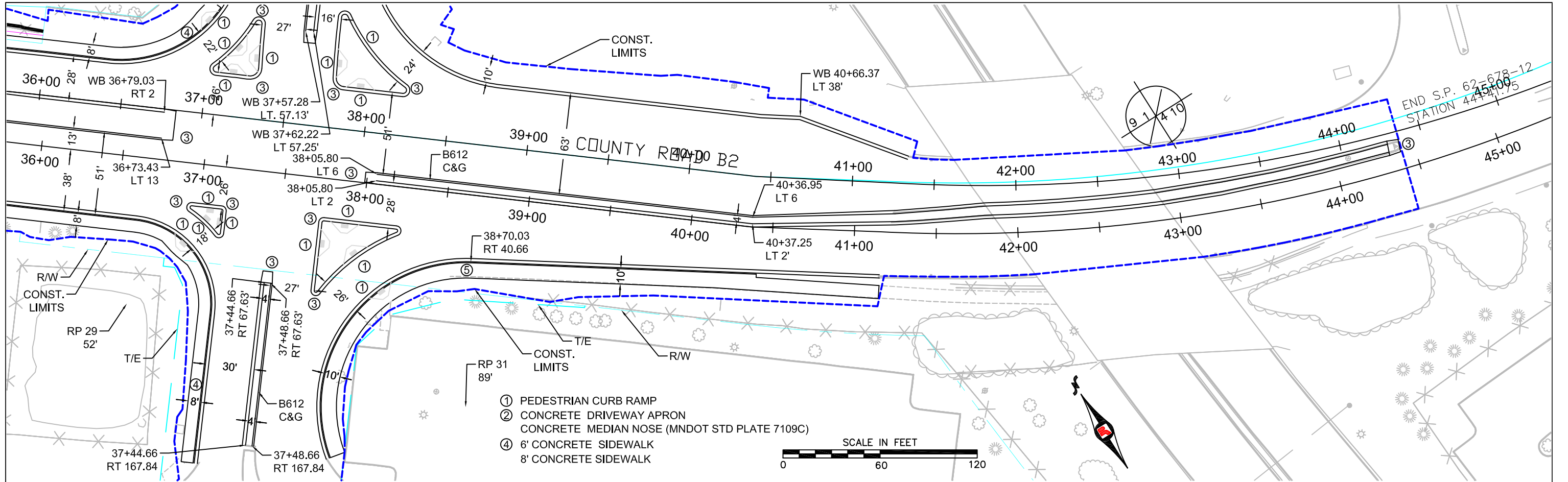
CONSTRUCTION PLAN AND PROFILE

SHEET 53 OF 999 SHEETS

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