

Oversight / NHS	
FHWA REGION VIII OVERSIGHT?	NO ☐ YES ☒
NATIONAL HIGHWAY SYSTEM?	NO ☐ YES ☒

COLORADO

DEPARTMENT OF TRANSPORTATION

PE, R.D.W. UTILITIES
UNDER IR-IM(CX) 025-3(113)

FED. ROAD REGION	DIVISION	PROJ. NO.	SHEET NO.
VIII	COLO.	IR-IM(CX) 025-3(113)	1

APPROVED FOR CONSTRUCTION

DMJM Kenneth F. Mauro Date 4-13-99
CDOT John Greben Date 4/19/99
CRCC John W. [Signature] Date 4/14/99
[Signature] Date 4/14/99
(Subcontractor)

PLAN AND PROFILE OF PROPOSED

COLORADO PROJECT NO. IR-IM(CX) 025-3(113)

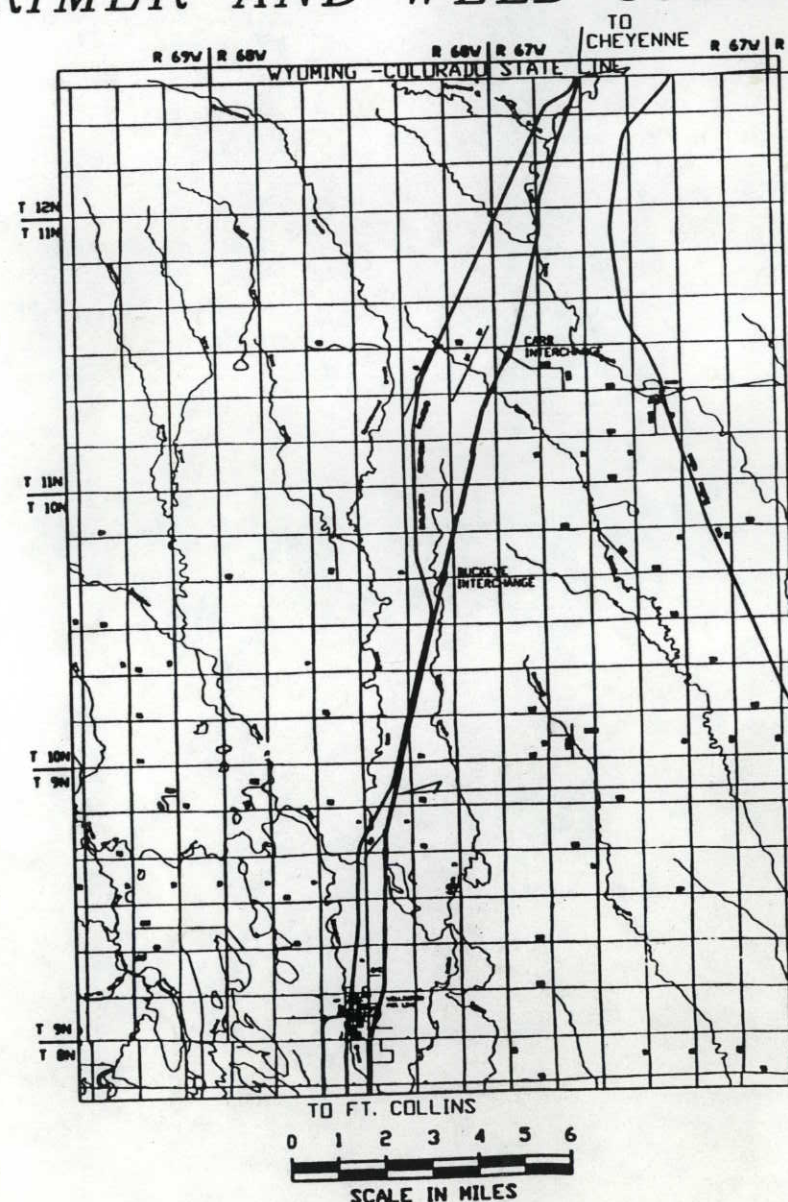
STATE HIGHWAY NO. 25

LARIMER AND WELD COUNTIES

I-25 NB PLAN SET
ISSUED FOR
CONSTRUCTION
APRIL 5, 1999

LENGTH AND DESIGN DATA		
MILE POST & STATIONING	ROADWAY	MAJOR
	N.B. & S.B. LINEAR FT.	STRUCTURE LINEAR FT.
STA. 3599+00 BEGIN IM-IR(CX) 025-3(113) + STA. 3597+64 ON FRI(CX) 025-3(114) = STA. 3599+00 ON IR 25-3(90) = M.P. 282.00	29,168	
3890+68 STR'S. A-17-AA & AB		110
3891+78	7,756	70
3969+34 STR'S. A-17-AE & AF		
3970+04	6,426	70
4034+30 STR'S. A-17-AG & AH		
4035+00	5,581	70
4090+81 STR'S. A-17-AI & AJ		
4091+51	4,367	23
4135+18 STR'S. A-17-AT		
4135+41	5,787	70
4193+28 STR'S. A-17-AK & AL		
4193+98	5,951	70
4253+49 STR'S. A-17-AM & AN		
4254+19	3,733	124
4291+52 STR'S. A-17-AC & AD		
4292+76	7,693	70
4369+69 STR'S. A-17-AD & AP		
4370+39	8,538	124
4455+77 STR'S. A-17-Q & U		
4457+01	3,242	
STA 4489+43 END IM-IR(CX) 025-3(113) = STA. 4489+43 ON FRI (CX 025-3(114) = M.P. 298.89		
TOTALS	88,242	801
SUMMARY	LINEAR FT.	MILES
ROADWAY NET LENGTH	88,242	16.712
MAJOR STRUCTURES	801	0.152
PROJECT GROSS LENGTH	89,053	16.864

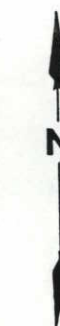
- DESIGN DATA
MAXIMUM DEGREE OF CURVE 1 00' 00"
MAXIMUM GRADE 3.4%
MINIMUM S.S.D. HORIZONTAL > 550 FT.
MINIMUM S.S.D. VERTICAL 585 FT.
MAXIMUM DESIGN SPEED 75 MPH
2017 DESIGN TRAFFIC VOLUME { 1997 2017
12,600 ADT 17,650 ADT
1,260 DHV 1,765 DHV
17 % TRUCKS 17 % TRUCKS
• REFER TO PROJECT 1-25-3-(32)283



TO CHEYENNE
STA 4489+43 END IM-IR(CX) 025-3(113)
= STA. 4489+43 ON FRI (CX 025-3(114)
= M.P. 298.89

AS CONSTRUCTED

☐ Revised ☐ No Revisions
Final Acceptance Date: _____



STA 3599+00 BEGIN IM-IR(CX) 025-3(113)
+ STA. 3597+64 ON FRI(CX) 025-3(114)
= STA. 3599+00 ON IR 25-3(90)
= M.P. 282.00

SCALES OF ORIGINAL DRAWINGS
ON PLAN 1 IN = 100 FEET
ON PROFILE 1 IN = 100 FEET HORIZONTAL
1 IN = 20 FEET VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD

CONSTRUCTION SUBMITTAL NO. 2NB

PLAN SHEETS IN THIS SUBMISSION

SHEET NO.	DESCRIPTION
1	TITLE SHEET
TS1 - TS5, TS7, TS9 - TS12	TYPICAL SECTIONS
GNI	GENERAL NOTES
TB11 - TB14	TABULATION OF GUARDRAIL QUANTITIES
SQ1 - SQ6	STRUCTURE QUANTITIES
DT1 - DT15	ROADWAY, DRAINAGE, AND MISCELLANEOUS DETAILS
S5 - S25	BRIDGE PLANS
C1 - C37	ROADWAY PLANS
E1, E39 - E77	EROSION CONTROL PLANS
P27 - P28, P37 - P73	ROADWAY, RAMP, AND FRONTAGE ROAD PROFILES
DP1 - DP21	DRAINAGE PROFILES
S2 - S30	SIGNING AND PAVEMENT MARKING
TC21 - TC46	TRAFFIC CONTROL PLANS
TC30 - TC55	TEMPORARY EROSION CONTROL
M-107-1	CONCRETE PAVEMENT JOINTS
M-412-1	RUMBLE STRIPS
M-614-1	

AS CONSTRUCTED INFORMATION

CONTRACTOR _____
ENGINEER _____
(Project or Resident)
PROJECT STARTED _____
PROJECT COMPLETED _____
AS CONSTRUCTED PLANS APPROVED _____
TITLE _____ DATE _____

92018/P.J.G./REGION 4

1. SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
2. ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
3. SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
4. SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
5. SEE SHEETS DT-7 THRU DT-12 FOR CHANNELED DETAILS.

APPROVED FOR CONSTRUCTION

30" RCP @ STA. 3635+28
D.A.=34 ACRES
Q 50=20 C.F.S.
DHW=5415.21
HW=5415.61
AHW=5424.50

54" RCP @ STA. 3642+34
D.A.=103 ACRES
Q 50=59 C.F.S.
DHW=5228.35
HW=5429.00
AHW=5431.00

☒ Revised ☐ No Revisions

Final Acceptance Date: _____

A horizontal scale bar with markings at 0, 100, 200, and 300 feet. The text "SCALE IN FEET" is written vertically below the bar.

Computer File Information				Index of Revisions		 DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street, Suite 300 Denver, Colorado 80202 Phone: (303) 882-1300 Fax: (303) 882-1356	PLAN SHEET INTERSTATE 25			Project No./Code
Creation Date:	4/7/98	Initials:	AC				No Revisions:			
Last Modification Date:	4/1/99	Initials:	JAL				Revised:	6.6.01	Designer: SSK Detailer: JAL	IR-IM(CX) 025-3(113)
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\						Void:		Structure Numbers	State Highway No. 25
Drawing File Name:	PLAN-02.dwg								Sheet Subset: Construct.	Sheet Number
Acad Ver.	R14	Scale:	AS SHOWN	Units:	ENGLISH	Revision	8	Date	4/5/99	Subset Sheets: C2 of 37
				Description of Revision						

- NOTE:
- SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
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 - SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

Computer File Information			
Creation Date:	4/7/98	Initials:	AC
Last Modification Date:	4/1/99	Initials:	JAL
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\		
Drawing File Name:	PLAN-03.dwg		
Acad Ver.	R14	Scale:	AS SHOWN Units: ENGLISH

Index of Revisions			
Revision	Date	Description of Revision	
8	4/5/99	ISSUED FOR NB CONSTRUCTION	

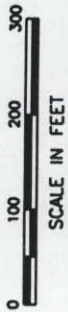


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APPROVED FOR CONSTRUCTION

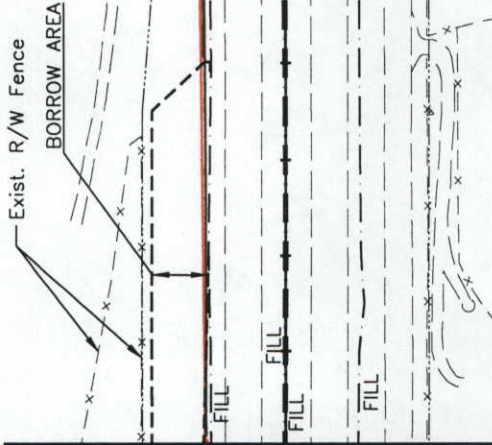
DMJM Kenneth F. Ward Date 4-5-99
CDOT Pete J. Stahler Date 4/12/99
CRCC D. D. [Signature] Date 4/12/99
[Signature] Date 4/14/99
(Subcontractor)

AS CONSTRUCTED
☐ Revised ☐ No Revisions
Final Acceptance Date: _____



PLAN SHEET			
INTERSTATE 25			
No Revisions:	X		
Revised:	SSK	Structure	
Void:	JAL	Numbers	
Sheet Subst:	Construt.	Sheet Sheets:	C3 of 37

Project No./Code	IR-IM(CX) 025-3(113)
State Highway No. 25	
Sheet Number	



MATCH LINE STA. 3645+00
SEE SHEET C2

MATCH LINE STA. 3670+00
SEE SHEET C4

3645+00

3650+00

3655+00

3660+00

3665+00

3670+00

STA. 3651+80 (NB AND SB)
ROADWAY EXPANSION JOINT REQ'D.
SEE DETAIL SHT. DT-1

STA. 3658+03 (SB)
REMOVAL OF END SECTIONS (2) REQ'D.
EXTEND 24" RCP 12' LT.(81' LT.) & 16' RT. REQ'D.
END SECTION LT. & RT. REQ'D.
SEE DETAIL 4 ON SHEET DT-2

STA. 3668+47 (SB)
REMOVAL OF END SECTIONS (2) REQ'D.
EXTEND 24" RCP 18' LT.(84' LT.) & 16' RT. REQ'D.
END SECTIONS LT. & RT. REQ'D.
SEE DETAIL 4 ON SHEET DT-2

NOTE:
1. SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
2. ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO 1-25 BASELINE.
3. SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
4. SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
5. SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

APPROVED FOR CONSTRUCTION

DMJM *Kenneth F. Mauro* Date 4-5-99
CDDT *Pete J. Hehen* Date 4/12/99
CRCC *Q. J. G. G.* Date 4/12/99
[Signature] Date 4/14/99
(Subcontractor)

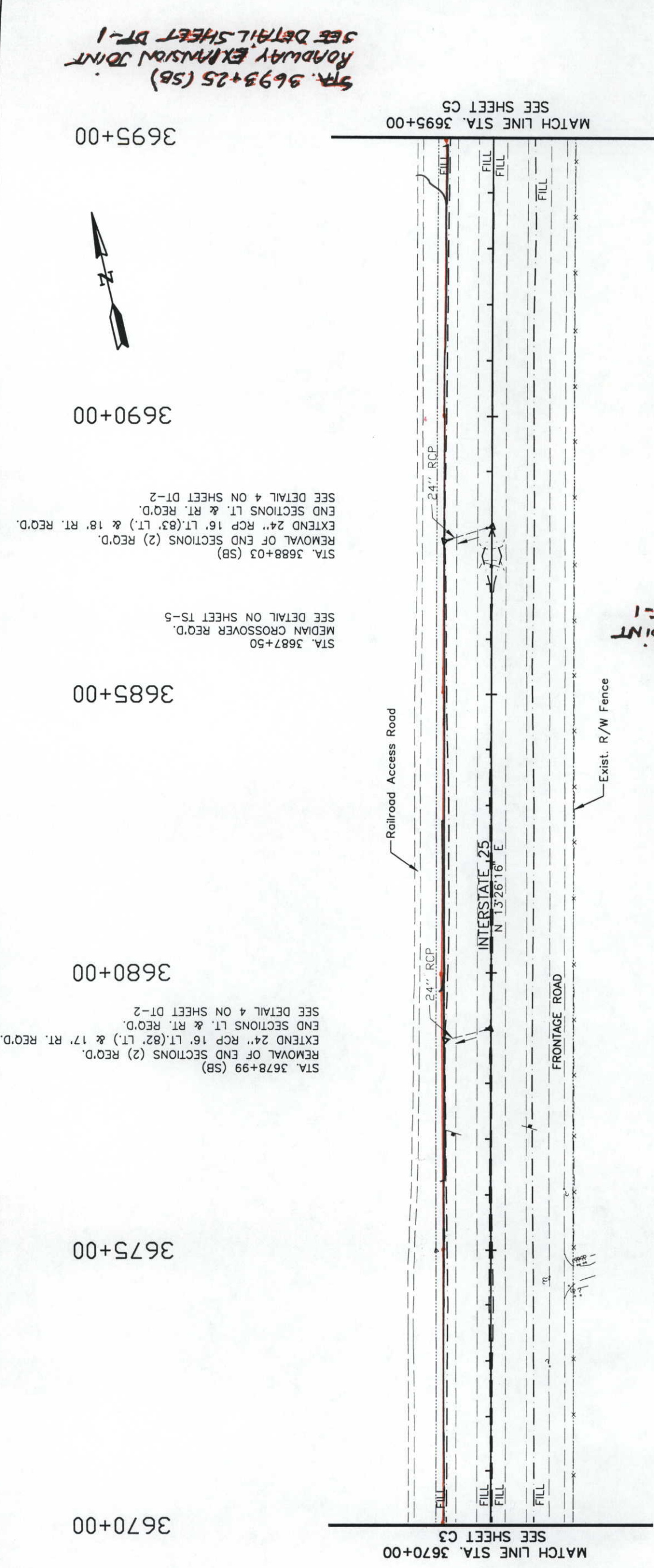
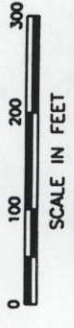
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Last Modification Date:	4/1/99	Initials:	JAL
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Drawing File Name:	PLAN-04.DWG		
Acad Ver.	R14	Scale:	AS SHOWN Units: ENGLISH
Revision	8	Date	4/5/99
Description of Revision		ISSUED FOR NB CONSTRUCTION	



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Phone: (303) 882-1300
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No Revisions:
Revised: 6-6-01
Void:

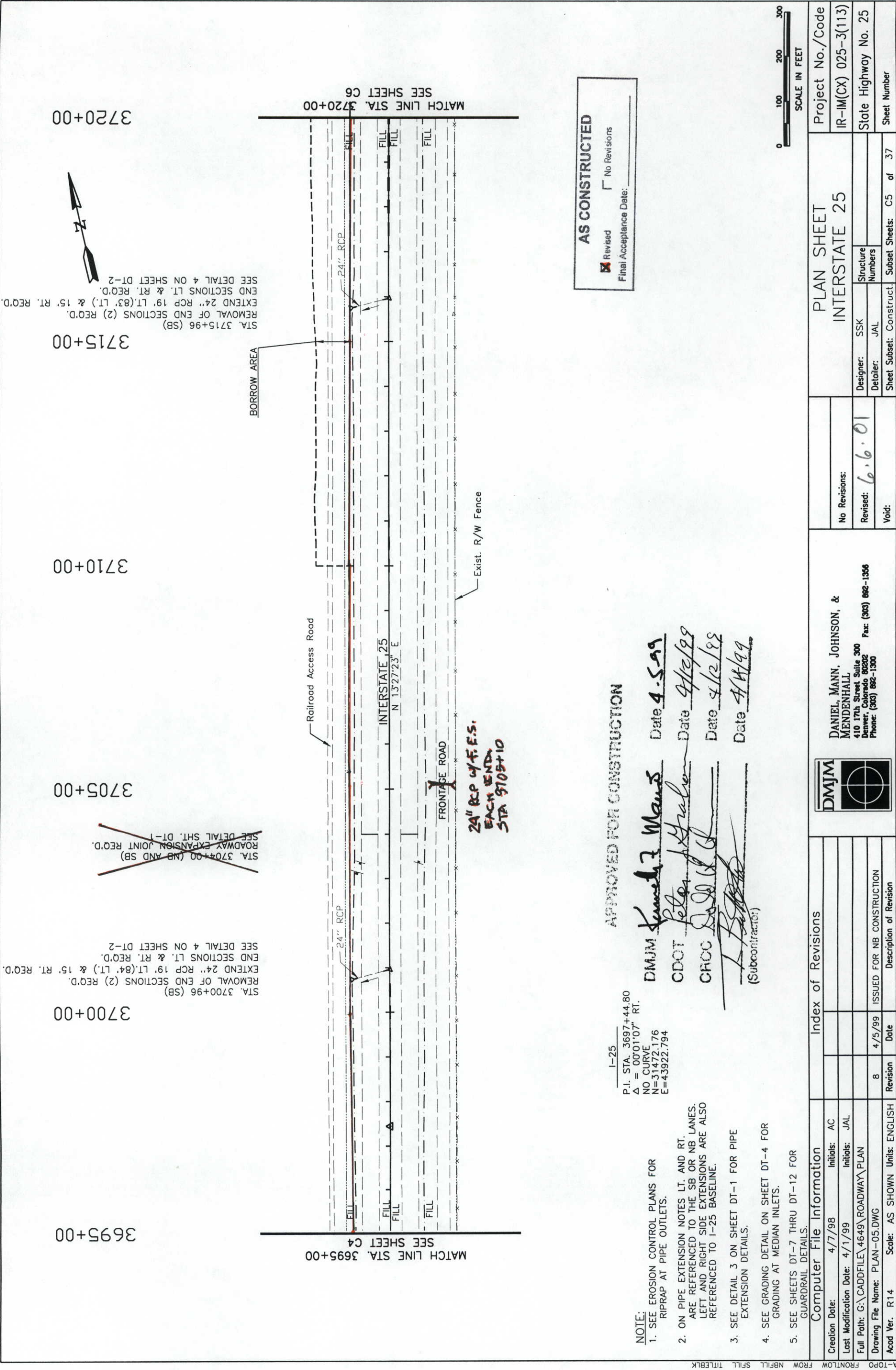
PLAN SHEET		Project No./Code	
INTERSTATE 25		IR-IM(CX) 025-3(113)	
Designer:	SSK	Structure Numbers	State Highway No. 25
Detailer:	JAL	Sheet Subset:	Construct. C4 of 37
Sheet Subset: Construct.		Sheet Number	



AS CONSTRUCTED
☒ Revised
☐ No Revisions
Final Acceptance Date: _____

STA 3686+15 (NB)
ROADWAY EXPANSION JOINT
SEE DETAIL SHEET DT-1

STA. 3693+25 (SB)
ROADWAY EXPANSION JOINT
SEE DETAIL SHEET DT-1



STA. 3731+18 (MEDIAN)
ADJUST INLET REQ'D. D=3.80'
GRATE ELEV. 5502.8
SEE DETAIL 1 ON SHEET DT-2

STA. 3741+35 (SB)
ROADWAY EXPANSION JOINT
SEE DETAIL SHEET DT-1

3720+00

3725+00

3730+00

3735+00

3740+00

3745+00

BORROW AREA

MATCH LINE STA. 3720+00
SEE SHEET C5

MATCH LINE STA. 3745+00
SEE SHEET C7

Railroad Access Road

INTERSTATE 25
N 13°26'50" E

FRONTAGE ROAD

Exist. R/W Fence

OFFSITE
GRADING
PER CHD#1

I-25
P.I. STA. 3725+31.60
 $\Delta = 00^{\circ}00'33''$ LT.
NO CURVE
N=34182.471
E=44571.297

- NOTE:
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 - SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

APPROVED FOR CONSTRUCTION

DMJM Kenneth J. Mann Date 4-5-99
CDOT Robert J. Gyles Date 4/12/99
CRCC David D. G. Date 4/12/99
L. B. B. Date 4/14/99
(Subcontractor)

STA. 3731+18 (NB)
GRADE TO DRAIN AT EXISTING INLET

AS CONSTRUCTED
☒ Revised ☐ No Revisions
Final Acceptance Date: _____



Computer File Information		Index of Revisions	
Crection Date:	4/7/98	Initials:	AC
Last Modification Date:	4/1/99	Initials:	JAL
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\		
Drawing File Name:	PLAN-06.DWG		
Acad Ver.	R14	Scale:	AS SHOWN Units: ENGLISH
		Revision	Date
		8	4/5/99
		ISSUED FOR NB CONSTRUCTION	



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PLAN SHEET INTERSTATE 25

No Revisions:	Project No./Code
Revised: 6-6-01	IR-IM(CX) 025-3(113)
Void:	State Highway No. 25
	Sheet Subset: Construct: C6 of 37
	Structure Numbers
	Design: SSK
	Detailer: JAL
	Sheet Number

A-TOPO FRONTFLOW FROM NB/FILL SFILL TITLEBLK

- NOTE:
1. SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
 2. ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
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Computer File Information			Index of Revisions		
Creation Date:	4/7/98	Initials: AC			
Last Modification Date:	4/1/99	Initials: JAL			
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Drawing File Name:	PLAN-07.DWG				
Acad Ver.	R14	Scale:	AS SHOWN	Units:	ENGLISH

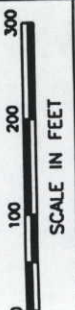
Revision	Date	Description of Revision
8	4/5/99	ISSUED FOR NB CONSTRUCTION



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		PLAN SHEET			Project No./Code
		INTERSTATE 25			
No Revisions:		Designer: SSK	Structure Numbers		IR-IM(CX) 025-3(113)
Revised: 6.6.01		Detailer: JAL			
State Highway No. 25		Sheet Number			
Sheet Number		Sheet Subst: Construct: C7 of 37			

PLAN SHEET
INTERSTATE 25

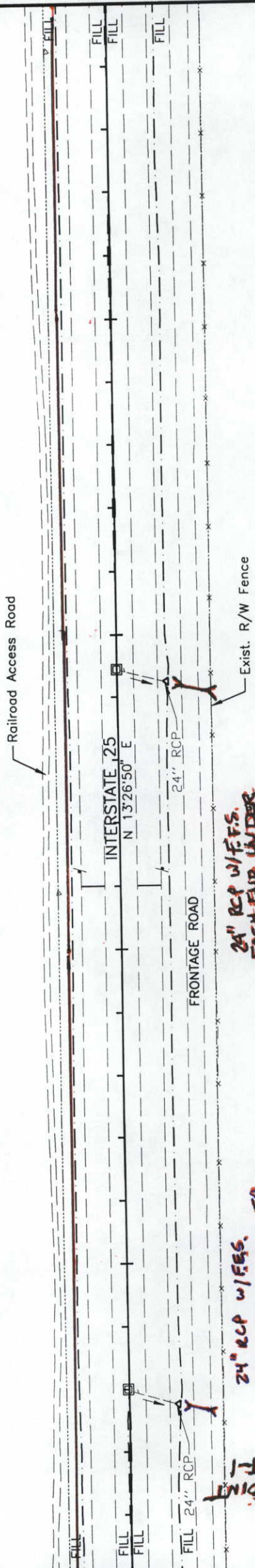


APPROVED FOR CONSTRUCTION

DMJM Kenneth J. Mann Date 4-5-99
CDOT Pete Halpern Date 4/12/99
CRCC David J. ... Date 4/12/99
L. B. ... Date 4/14/99
(Subcontractor)

MATCH LINE STA. 3745+00
SEE SHEET C6

MATCH LINE STA. 3770+00
SEE SHEET C8



24" RCP W/F.F.S.
EACH END UNDER
FRONTAGE ROAD.
STA. 3759+20

24" RCP W/F.F.S.
EACH END UNDER FR.
STA. 3747+98

STA. 3747+98 (NB)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP 15' (82.6' RT.) REQ'D.
END SECTION REQ'D.

STA. 3747+96 (NB)
REMOVAL OF END SECTION LT. REQ'D.
EXTEND 24" RCP 20' LT. REQ'D.
TYPE "C" INLET REQ'D. H=3.3'
GRATE ELEV. = 5509.18
SEE DETAIL 2 ON SHEET DT-2

STA. 3759+40 (NB)
REMOVAL OF END SECTION LT. REQ'D.
EXTEND 24" RCP 19' LT. REQ'D.
TYPE "C" INLET REQ'D. H=3.3'
GRATE ELEV. = 5519.59
SEE DETAIL 2 ON SHEET DT-2

STA. 3759+44 (NB)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP 15' (81.7' RT.) REQ'D.
END SECTION REQ'D.

STA. 3756+80 (NB AND SB)
ROADWAY EXPANSION JOINT REQ'D.
SEE DETAIL SHT. DT-1

AS CONSTRUCTED

☒ Revised ☐ No Revisions

Final Acceptance Date: _____



3770+00

3765+00

3760+00

3755+00

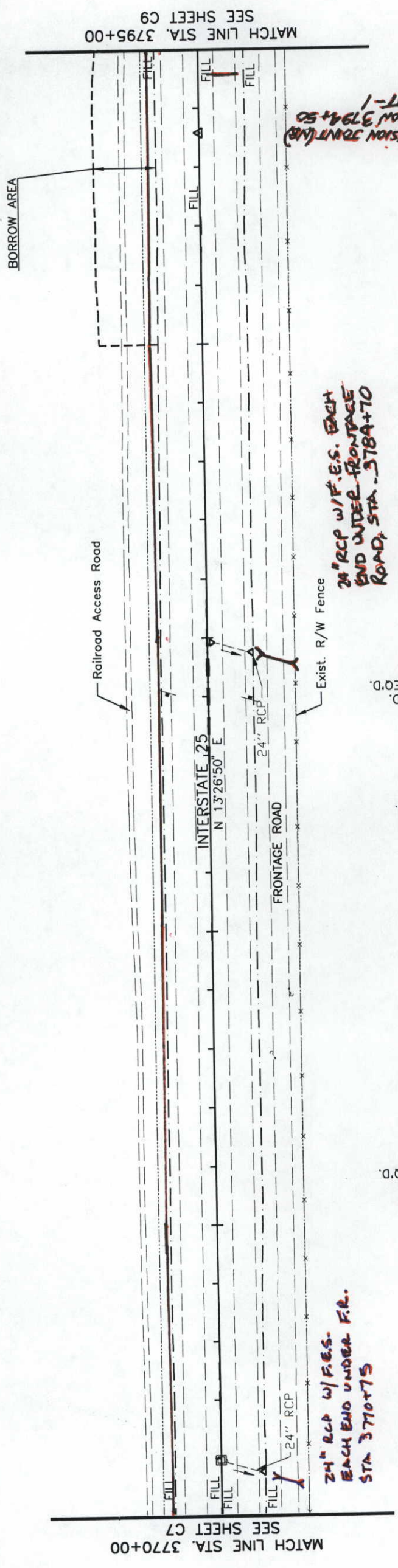
3750+00

3745+00

3770+00 3775+00 3780+00 3785+00 3790+00 3795+00



AS CONSTRUCTED
☒ Revised ☐ No Revisions
Final Acceptance Date: _____



STA. 3770+75 (NB)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP 15' (79.8' RT.) REQ'D.
END SECTION REQ'D.
STA. 3770+92 (NB)
REMOVAL OF END SECTION LT. REQ'D.
EXTEND 24" RCP 18' LT. REQ'D.
TYPE "C" INLET REQ'D. H=3.3'
GRATE ELEV. = 5534.67
SEE DETAIL 2 ON SHEET DT-2

STA. 3784+92 (NB)
REMOVAL OF END SECTION LT. REQ'D.
EXTEND 24" RCP 17' LT. REQ'D.
END SECTION REQ'D.
SEE DETAIL 4 ON SHEET DT-2
STA. 3784+92 (NB)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP 15' (78.0' RT.) REQ'D.
END SECTION REQ'D.

24" RCP W/F.E.S. EACH
END UNDER FRONTAGE
ROAD, STA. 3784+70

EROSION CONTROL (NB)
SECTION 3794+50
SEE DT-1

Curve Data
P.I. STA. 3793+58.20
 $\Delta = 00'01'20''$ RT.
NO CURVE
N = 40821.919
E = 46158.808

APPROVED FOR CONSTRUCTION

DMJM Kenneth J. Mann Date 4-5-99
CDOT Pete J. Graham Date 4/12/99
CRCC D. M. Q. (Q) Date 4/12/99
J. B. (B) Date 4/14/99
(Subcontractor)

- NOTE:
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Computer File Information			Index of Revisions	
Creation Date:	4/7/98	Initials: AC		
Last Modification Date:	4/1/99	Initials: JAL		
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\			
Drawing File Name:	PLAN-08.DWG			
Acad Ver.	R14	Scale:	AS SHOWN	Units: ENGLISH
Revision	8	Date	4/5/99	ISSUED FOR NB CONSTRUCTION
Description of Revision				

DMJM
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PLAN SHEET		Project No./Code	
INTERSTATE 25		IR-IM(CX) 025-3(113)	
Designator:	SSK	Structure Numbers	State Highway No. 25
Detailer:	JAL	Sheet Subset: Construct.	Sheet Number
Void:		Sheet Subsets: C8	of 37



DMJM Kenneth J. Mann Date 4-5-99
CDOT Pete J. Johnson Date 4/12/99
CRCC David L. Ch... Date 4/6/99
[Signature] Date 4/14/99
(Subcontractor)

- NOTE:
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Computer File Information		
Creation Date:	4/7/98	Initials: AC
Last Modification Date:	4/1/99	Initials: JAL
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN	
Drawing File Name:	PLAN-09.DWG	
Acad Ver.	R14	Scale: AS SHOWN Units: ENGLISH

Index of Revisions		
Revision	Date	Description of Revision
8	4/5/99	ISSUED FOR NB CONSTRUCTION



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Phone: (303) 862-1300
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PLAN SHEET
INTERSTATE 25

No Revisions:	Revised: 6-6-01	Void:
Designer: SSK	Detailer: JAL	Sheet Subset: Construct
Structure Numbers	Subst Sheets: C9	of 37
Project No./Code	IR-IM(CX) 025-3(113)	State Highway No. 25
Sheet Number		



AS CONSTRUCTED
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Final Acceptance Date: _____

MATCH LINE STA. 3795+00
SEE SHEET C8

APPROVED FOR CONSTRUCTION

BORROW AREA

Exist. R/W Fence

FRONTAGE ROAD

Exist. R/W Fence

Railroad Access Road

24" RCP @ 1.0% SLOPE MIN.

INTERSTATE 25
N 13°28'10" E

36" RCP

36" RCP @ STA. 3806+50
D.A. = 124.3 ACRES
Q₄₀ = 88 C.F.S.
DHW = 5555.0
HW = 5564.5
AHW = 5568.0

TEMPORARY EASEMENT LINE

3804+12.76
150' RT.

3804+67.76
205' RT.

3808+97.76
150' RT.

3808+42.76
205' RT.

POB STA. 3802+00
N=41612.613
E=46471.586

POE STA. 3810+00
N=42390.609
E=46657.927

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3800+97 (NB) RT.

REMOVAL OF BITUMINOUS CURB REQ'D.

STA. 3800+92 (NB) RT.

STA. 3804+20 TO STA. 3809+05 RT. (FR)

TEMPORARY BARBED WIRE FENCE REQ'D.

REMOVAL OF FENCE REQ'D.

BARBED WIRE FENCE REQ'D.

SEE DETAIL SHT. DT-5

STA. 3806+50 (NB)

PLUG EXISTING INLET REQ'D.

SEE DETAIL 3 ON SHEET DT-13

STA. 3806+50 (FR)

REMOVAL OF END SECTION RT. REQ'D.

EXTEND 36" RCP 47' (189.5' RT.) REQ'D.

SEE DETAIL 5 ON SHEET DT-13 FOR GULLAP

END SECTION REQ'D.

STA. 3806+57 (NB) RT.

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3813+39 TO STA. 3836+28 (NB) RT.

REMOVAL OF BITUMINOUS CURB REQ'D.

STA. 3816+38 (NB)

GRADE TO DRAIN AT EXISTING INLET

BREAK SLOPE OUTSIDE CLEAR ZONE

SEE SHEET DP2

STA. 3818+24 (NB) RT.

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

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E=46666.712

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REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

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STA. 3819+00

N=43266.061

E=46666.712

POB

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REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

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REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

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REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

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REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

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REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

POE

REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 3819+00

N=43266.061

E=46666.712

POB

- NOTE:
- SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
 - ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
 - SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
 - SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
 - SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

Computer File Information		
Creation Date:	4/7/98	Initials: AC
Last Modification Date:	4/1/99	Initials: JAL
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\	
Drawing File Name:	PLAN-10.DWG	
Acad Ver.	R14	Scale: AS SHOWN Units: ENGLISH

Index of Revisions		
Revision	Date	Description of Revision
8	4/5/99	ISSUED FOR NB CONSTRUCTION

**DMJM**

DANIEL, MANN, JOHNSON, &
MENDENHALL
410 17th Street, Suite 300
Denver, Colorado 80202
Phone: (303) 882-1300
Fax: (303) 882-1356

PLAN SHEET			Project No./Code
INTERSTATE 25			IR-IM(CX) 025-3(113)
No Revisions:	X	Revised:	State Highway No. 25
Void:		Void:	Sheet Number

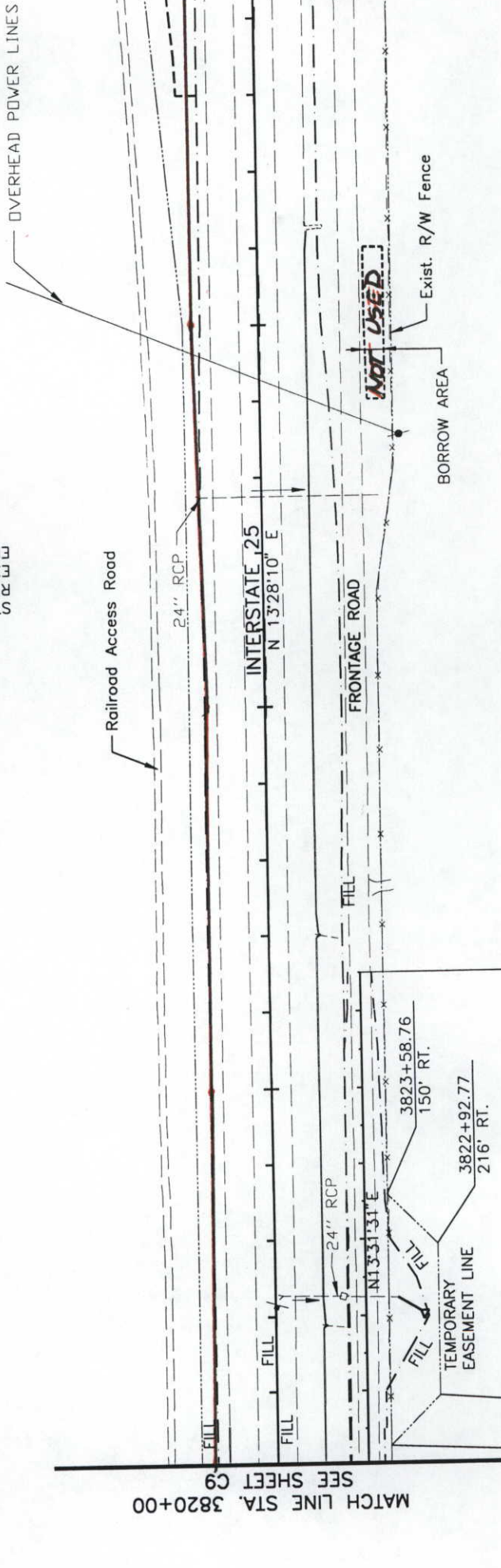


APPROVED FOR CONSTRUCTION

DMJM Kenneth F. Mann Date 4-5-99
CDOT Let's Jefferson Date 4/12/99
CRCC Bob G. G. Date 4/12/99
L. B. B. Date 4/14/99
(Subcontractor)

STA. 3821+88 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.
STA. 3820+34 TO STA. 3823+66 RT. (FR)
REMOVAL OF FENCE REQ'D.
BARBED WIRE FENCE REQ'D.
SEE DETAIL SHT. DT-5
STA. 3822+27 (NB)
PLUG EXISTING INLET REQ'D.
SEE DETAIL 3
ON SHEET DT-13
STA. 3822+27 (NB)
END SECTION LT. REQ'D.
EXTEND 24" RCP 16' LT. REQ'D.
REMOVAL OF END SECTION LT. REQ'D.
STA. 3822+27 (FR)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP 56' (196.6' RT.) REQ'D.
SEE DETAIL 5 ON SHEET DT-13 FOR COLLAR
END SECTION REQ'D.
STA. 3827+01 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

POE
STA. 3826+50
N=43995.261
E=47042.116



MATCH LINE STA. 3820+00
SEE SHEET C9

AS CONSTRUCTED

☒ Revised
☐ No Revisions
Final Acceptance Date: _____

3820+00

3825+00

3830+00

3835+00

3840+00

3845+00

NOTE:

- SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
- ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
- SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
- SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
- SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

Computer File Information			
Creation Date:	4/7/98	Initials:	AC
Last Modification Date:	4/1/99	Initials:	JAL
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\		
Drawing File Name:	PLAN-11.DWG		
Acad Ver.	R14	Scale:	AS SHOWN Units: ENGLISH

Index of Revisions		
Revision	Date	Description of Revision
8	4/5/99	ISSUED FOR NB CONSTRUCTION



DANIEL MANN, JOHNSON, &
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410 17th Street, Suite 300
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DMJM Kenneth 7. Mann
CDOT Rebecca Johnson
CRCC David L. Johnson
(Subcontractor)

Date 9-5-99
Date 9/12/99
Date 4/6/99
Date 7/14/99

I-25
P.I. STA. 3858+26.30
Δ = 00°17'03" RT.
NO CURVE
N = 47112.109
E = 47665.403

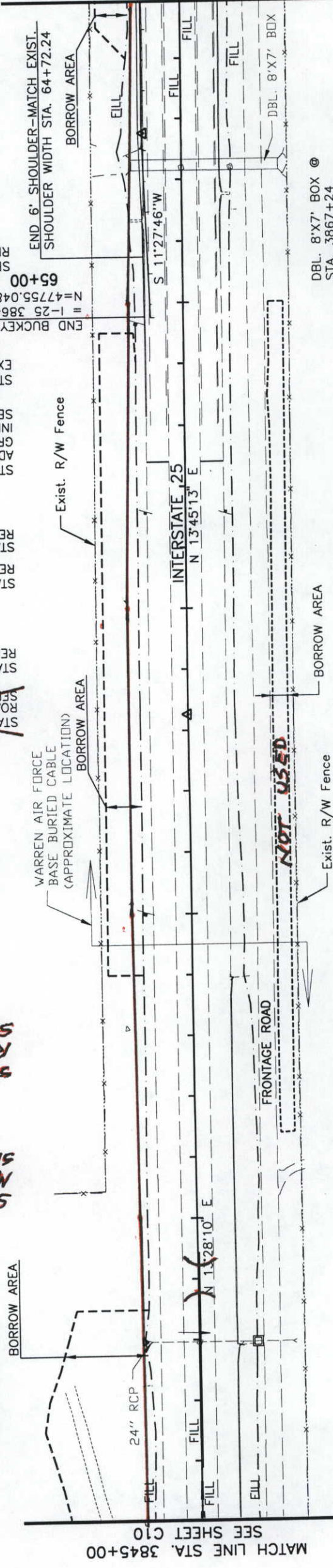
APPROVED FOR CONSTRUCTION

STA. 3847+96 (NB)
REMOVAL OF END SECTIONS (2) RT. REQ'D.
EXTEND 24" RCP 17.5' RT. REQ'D.
TYPE "C" INLET (103.5' RT.) REQ'D. H=6.4'
GRATE ELEV. = 5591.20
V-NOTCH REQ'D. BOTH SIDES
SEE DETAIL 2 ON SHEET DT-15
BREAK SLOPE OUTSIDE OF CLEAR ZONE
SEE SHEET DP3
STA. 3851+30 (NB)
ROADWAY EXPANSION JOINT
SEE DETAIL SHEET DT-1
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.
STA. 3853+93 (NB) RT.

STA. 3847+90 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.
STA. 3843+00 TO STA. 3853+96 (NB) RT.
REMOVAL OF BITUMINOUS CURB REQ'D.

STA. 3865+87.63 TO STA. 3880+57 (NB) RT.
REMOVAL OF BITUMINOUS CURB REQ'D.
STA. 3867+24
D.A. = 3064 ACRES
Q = 658 C.F.S.
DHW = 5588.55
HW = 5589.81
AHW = 5595.00
DBL. 8'X7' BOX @
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.
STA. 3866+76 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.
STA. 3867+25 (NB) RT.
REMOVAL OF BITUMINOUS CURB REQ'D.
STA. 3869+98.32, 54' RT.
N = 48237.687
E = 47996.496

STA. 3867+25 CBC OUTLET
IMPROVEMENTS AND OFFSETS
GRADING. REFERENCE CNO #1
MCR IS, DETAIL E39AX



STA. 3847+96 (SB)
REMOVAL OF END SECTION LT. REQ'D.
EXTEND 24" RCP 21' LT.(90' LT.) REQ'D.
ADJUST MEDIAN INLET REQ'D. D=3.11'
GRATE ELEV. 5598.0
SEE DETAIL 1 ON SHEET DT-2
STA. 3849
MEDIAN CROSSOVER
SEE TS-5
STA. 3852+05 (SB)
ROADWAY EXPANSION JOINT
SEE DETAIL SHEET DT-1
STA. 3862+40 (NB AND SB)
ROADWAY EXPANSION JOINT REQ'D.
SEE DETAIL SHT. DT-1
STA. 3863+15 TO 3884+50 (SB) LT.
REMOVAL OF BITUMINOUS CURB REQ'D.
3860+00
STA. 3866+35 (SB) LT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.
STA. 3867+44 (SB) LT.
REMOVAL OF 12" EMBANKMENT PROTECTOR REQ'D.
STA. 3867+19 MEDIAN
ADJUST INLET REQ'D. D = 1.65'
GRATE ELEV. 5591.5
INLET DITCH PAVING REQ'D.
SEE DETAIL 1 ON SHEET DT-2
EXTEND C.B.C. REQ'D. (SEE SHEETS S1 THRU S4)
END BUCKEYE SB ON RAMP STA.65+72.41
N=47755.048 E=47767.177
= 1-25 3864+75.54' LT.
3865+00
SB ON RAMP STA. 46+07 TO STA. 65+72 RT.
REMOVAL OF BITUMINOUS CURB REQ'D.
BUCKEYE SB ON RAMP
P.I. STA. 62+72.17
Δ = 02°17'27" LT.
NO CURVE
N = 48049.299
E = 47826.844

AS CONSTRUCTED
Revised
Final Acceptance Date:
No Revisions



Project No./Code	
IR-IM(CX) 025-3(113)	
State Highway No. 25	
Sheet Number	

PLAN SHEET	
INTERSTATE 25	
Design:	SSK
Detail:	JAL
Sheet Subset:	Construct.
Subset Sheets:	C11 of 37

APPROVED FOR CONSTRUCTION

DMJM Kenneth F. Mann Date 9-5-99

CDOT Peter Straker Date 8/12/99

CRCC Bob K. K. Date 7/12/99

Date 7/14/99

3895+00

3900+00

3905+00

3910+00

3915+00

3920+00

3925+00

3930+00

3935+00

3940+00

3945+00

3950+00

3955+00

3960+00

3965+00

3970+00

3975+00

3980+00

3985+00

3990+00

3995+00

4000+00

4005+00

4010+00

4015+00

4020+00

4025+00

4030+00

4035+00

4040+00

4045+00

4050+00

4055+00

4060+00

4065+00

4070+00

4075+00

4080+00

4085+00

4090+00

4095+00

4100+00

4105+00

4110+00

4115+00

4120+00

4125+00

4130+00

4135+00

4140+00

4145+00

4150+00

4155+00

4160+00

4165+00

4170+00

4175+00

4180+00

4185+00

4190+00

4195+00

4200+00

4205+00

4210+00

4215+00

4220+00

4225+00

4230+00

4235+00

4240+00

4245+00

4250+00

4255+00

4260+00

4265+00

4270+00

4275+00

4280+00

4285+00

4290+00

4295+00

4300+00

4305+00

4310+00

4315+00

4320+00

4325+00

4330+00

4335+00

4340+00

4345+00

4350+00

4355+00

4360+00

4365+00

4370+00

4375+00

4380+00

4385+00

4390+00

4395+00

4400+00

4405+00

4410+00

4415+00

4420+00

4425+00

4430+00

4435+00

4440+00

4445+00

4450+00

4455+00

4460+00

4465+00

4470+00

4475+00

4480+00

4485+00

4490+00

4495+00

4500+00

4505+00

4510+00

4515+00

4520+00

4525+00

4530+00

4535+00

4540+00

4545+00

4550+00

4555+00

4560+00

4565+00

4570+00

4575+00

4580+00

4585+00

4590+00

4595+00

4600+00

4605+00

4610+00

4615+00

4620+00

4625+00

4630+00

4635+00

4640+00

4645+00

4650+00

4655+00

4660+00

4665+00

4670+00

4675+00

4680+00

4685+00

4690+00

4695+00

4700+00

4705+00

4710+00

4715+00

4720+00

4725+00

4730+00

4735+00

4740+00

4745+00

4750+00

4755+00

4760+00

4765+00

4770+00

4775+00

4780+00

4785+00

4790+00

4795+00

4800+00

4805+00

4810+00

4815+00

4820+00

4825+00

4830+00

4835+00

4840+00

4845+00

4850+00

4855+00

4860+00

4865+00

4870+00

4875+00

4880+00

4885+00

4890+00

4895+00

4900+00

4905+00

4910+00

4915+00

4920+00

4925+00

4930+00

4935+00

4940+00

4945+00

4950+00

4955+00

4960+00

4965+00

4970+00

4975+00

4980+00

4985+00

4990+00

4995+00

5000+00

5005+00

5010+00

5015+00

5020+00

5025+00

5030+00

5035+00

5040+00

5045+00

5050+00

5055+00

5060+00

5065+00

5070+00

5075+00

5080+00

5085+00

5090+00

5095+00

5100+00

5105+00

5110+00

5115+00

5120+00

5125+00

5130+00

5135+00

5140+00

5145+00

5150+00

5155+00

5160+00

5165+00

5170+00

5175+00

5180+00

5185+00

5190+00

5195+00

5200+00

5205+00

5210+00

5215+00

5220+00

5225+00

5230+00

5235+00

5240+00

5245+00

5250+00

5255+00

5260+00

5265+00

5270+00

5275+00

5280+00

5285+00

5290+00

5295+00

5300+00

5305+00

5310+00

5315+00

5320+00

5325+00

5330+00

5335+00

5340+00

5345+00

5350+00

5355+00

5360+00

5365+00

5370+00

5375+00

5380+00

5385+00

5390+00

5395+00

5400+00

5405+00

5410+00

5415+00

5420+00

5425+00

5430+00

5435+00

5440+00

5445+00

5450+00

5455+00

5460+00

5465+00

5470+00

5475+00

5480+00

5485+00

5490+00

5495+00

5500+00

5505+00

5510+00

5515+00

5520+00

5525+00

553

NOTE:

1. SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
2. ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO 1-25 BASELINE.
3. SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
4. SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
5. SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

APPROVED FOR CONSTRUCTION

DMJM Kenneth J. Mann Date 4.5.99
CDOT Patricia Stralver Date 4/12/99
CRCC David L. (Subcontractor) Date 4/12/99
Date 4/14/99

Computer File Information

Creation Date:	4/7/98	Initials:	AC
Last Modification Date:	4/1/99	Initials:	JAL
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\		
Drawing File Name:	PLAN-15.DWG		
Acad Ver.	R14	Scale:	AS SHOWN Units: ENGLISH

Index of Revisions

Revision	Date	Description of Revision
10	4/5/99	ISSUED FOR NB CONSTRUCTION



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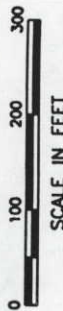
No Revisions:

Revised: 6-6-01

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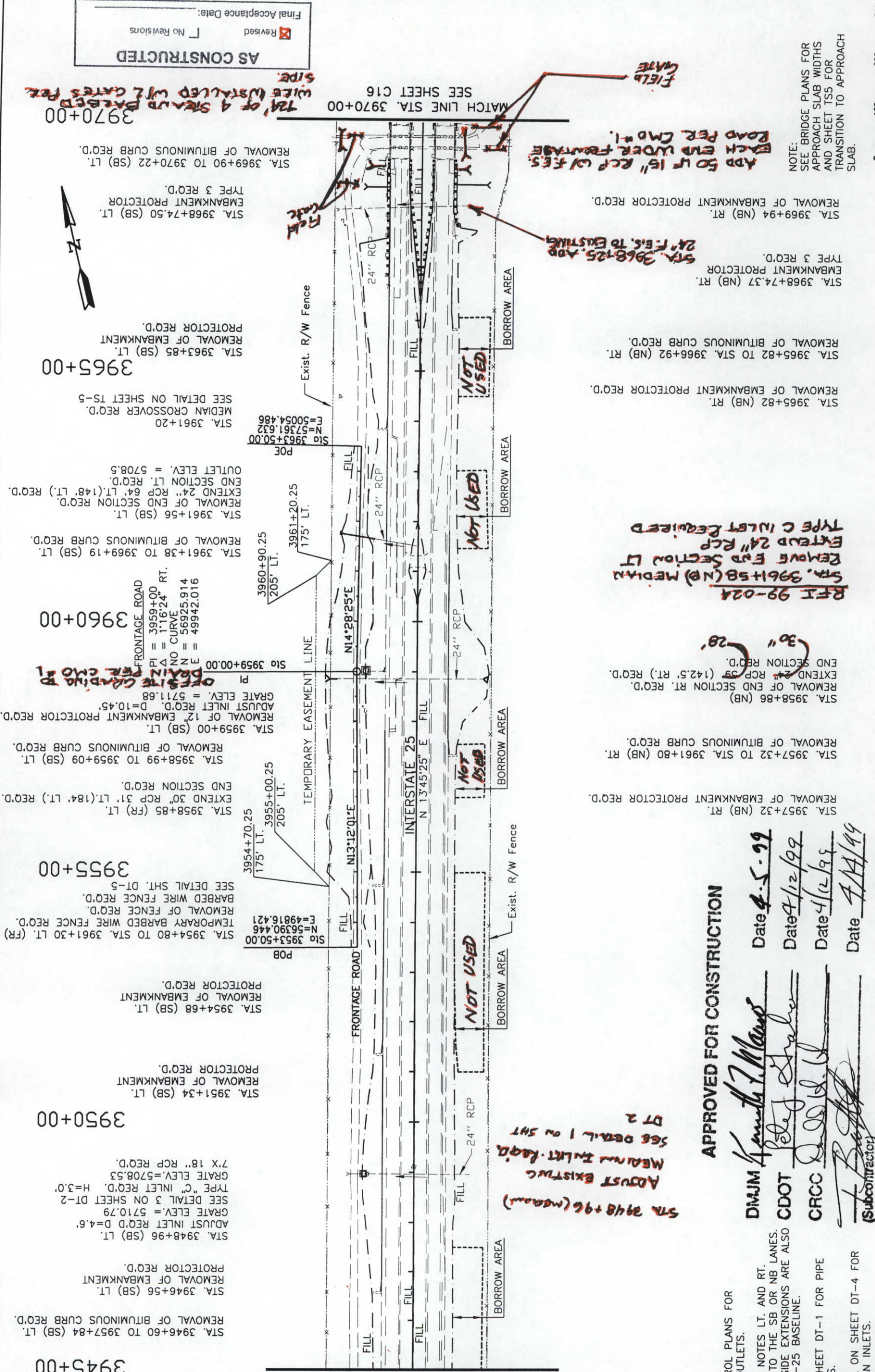
PLAN SHEET
INTERSTATE 25

Project No./Code
IR-IM(CX) 025-3(113)
State Highway No. 25
Sheet Subst: Construct
Sheet: C15 of 37



NOTE:
SEE BRIDGE PLANS FOR
APPROACH SLAB WIDTHS
AND SHEET TSS FOR
TRANSITION TO APPROACH
SLAB.

MATCH LINE STA. 3945+00
SEE SHEET C14



A vertical scale bar labeled "SCALE IN FEET" with markings at 0, 100, 200, and 300.

- NOTE:
1. SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
 2. ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
 3. SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
 4. SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
 5. SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

Computer File Information

Creation Date:	4/7/98	Initials:	AC
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Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\		
Drawing File Name:	PLAN-20.DWG		
Acad Ver.	R14	Scale:	AS SHOWN
Units:	ENGLISH		

Index of Revisions

Revision	Date	Description of Revision
11	4/5/99	ISSUED FOR NB CONSTRUCTION



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Fax: (303) 862-1356

APPROVED FOR CONSTRUCTION

DMJM Kenneth F. Mann Date 4-5-99
CDOT Let's Johnson Date 4/12/99
CRCC Q. W. H. Q. Date 4/12/99
J. R. B. B. Date 4/14/99
(Subcontractor)

STA. 4071+23 (NB)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP 36.5' RT. (119' RT.) REQ'D.
END SECTION REQ'D.

STA. 4071+74 (NB)
REMOVAL OF END SECTION LT. REQ'D.
EXTEND 24" RCP 10' LT. REQ'D.
TYPE "C" MEDIAN INLET REQ'D. H=4.35'
GRATE ELEV.=5804.31
INLET DITCH PAVING REQ'D.
SEE DETAIL 2 ON SHEET DT-2

STA. 4087+09 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 4087+09 TO STA. 4088+18 (NB) RT.
REMOVAL OF BITUMINOUS CURB REQ'D.

STA. 4094+77 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 4090+91, 54' RT. TO STA. 4091+01, 97' RT.
BOMBARDIER WIRE FENCE REQ'D.

STA. 4091+32 TO STA. 4097+75 (NB) RT.
REMOVAL OF BITUMINOUS CURB REQ'D.

STA. 4091+55.87 (NB) RT.
EMBANKMENT PROTECTOR
TYPE 3 REQ'D.

STA. 4093+74 (NB)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP 25' RT. REQ'D.
TYPE "C" INLET REQ'D. H=3.0' (119.5' RT.)
GRATE ELEV.=5821.5

STA. 4093+74 (FR)
REMOVAL OF END SECTION LT. REQ'D.
EXTEND 24" RCP 45' LT. REQ'D.

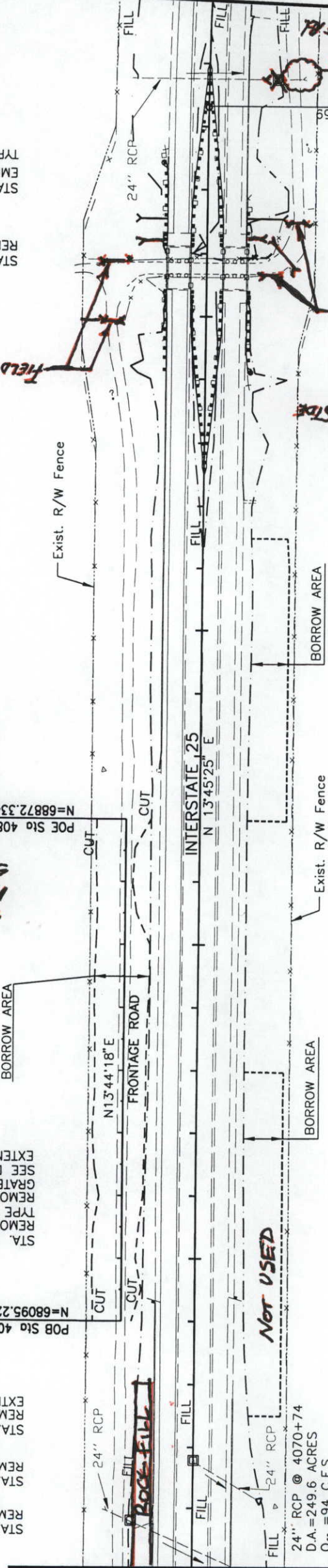
NOTE:
SEE BRIDGE PLANS FOR
APPROACH SLAB WIDTHS
AND SHEET TS5 FOR
TRANSITION TO APPROACH
SLAB.

I-25
PI STA = 4100+12.21
D = 1'00'
Δ = 13'32'56" RT.
R = 5729.578'
L = 1354.883'
T = 680.616'
N = 70604.276
E = 53416.589
PC = 4093+31.59
PT = 4106+86.47



MATCH LINE STA. 4070+00
SEE SHEET C19

MATCH LINE STA. 4095+00
SEE SHEET C21



NOT USED

24" RCP @ 4070+74
D.A.=249.6 ACRES
Q₉₀=94 C.F.S.
DHW=5799.9
HW=5799.93
AHW=5802.5

4070+00

4075+00

4080+00

4085+00

4090+00

4095+00

STA. 4070+00 TO 4074+30 (SB) LT.
REMOVAL OF BITUMINOUS CURB REQ'D.

STA. 4070+76 (SB) LT.
REMOVAL OF 12" EMBANKMENT PROTECTOR REQ'D.

STA. 4070+74 (SB) LT.
REMOVAL OF END SECTION LT. REQ'D.
EXTEND 24" RCP 12' LT. REQ'D.

POB Sta 4074+00.00
N=68095.221 E=52680.123

STA. 4070+79 (FR) 104' LT.
REMOVAL OF END SECTION REQ'D.
TYPE "C" INLET REQ'D. H=3.3'
REMOVAL OF 4'X 24" RCP REQ'D.
GRATE ELEV.=5797.68
SEE DETAIL 2 ON SHEET DT-2
EXTEND 24" RCP 12' LT.(103' LT.) REQ'D.

STA. 4082+20 (SB)
ROADWAY EXPANSION TO RT
SEE DETAIL SHEET DT-1

POE Sta 4082+00.00
N=68872.334 E=52870.112

STA. 4082+77 (SB) LT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 4082+80 TO 4089+57 (SB) LT.
REMOVAL OF BITUMINOUS CURB REQ'D.



AS CONSTRUCTED

Revised ☒ No Revisions ☐

Final Acceptance Date: _____

- NOTE:
- SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
 - ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
 - SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
 - SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
 - SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

Computer File Information		
Creation Date:	4/7/98	Initials: AC
Last Modification Date:	4/1/99	Initials: JAL
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\	
Drawing File Name:	PLAN-21.DWG	
Acad Ver.	R14	Scale: AS SHOWN Units: ENGLISH

Index of Revisions		
Revision	Date	Description of Revision
8	4/5/99	ISSUED FOR NB CONSTRUCTION



DANIEL, MANN, JOHNSON, &
MENDENHALL
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Denver, Colorado 80202
Phone: (303) 882-1300
Fax: (303) 882-1356

No Revisions:	
Revised:	6.6.01
Void:	

PLAN SHEET		
INTERSTATE 25		
Project No./Code	IR-IM(CX) 025-3(113)	
State Highway No. 25	Structure Numbers	Sheet Number
	JAL	37
Sheet Subset: Construct.	Subset Sheets: C21 of	

NOTE:
DRIVEWAY SHALL BE RECONSTRUCTED BY CONTRACTOR TO FIT NEW GRADE. DRIVEWAY SHALL BE CONSTRUCTED TO EXISTING OR BETTER CONDITION USING MATERIAL WHICH MEETS CLASS 1 MATERIAL SPECIFICATIONS.



APPROVED FOR CONSTRUCTION

DMJM *Kenneth F. Mann* Date 4.5.99

CDOT *Robert J. Johnson* Date 4/2/99

CRCC *David L. D.* Date 4/2/99

L. J. Sullivan Date 4/14/99
(Subcontractor)

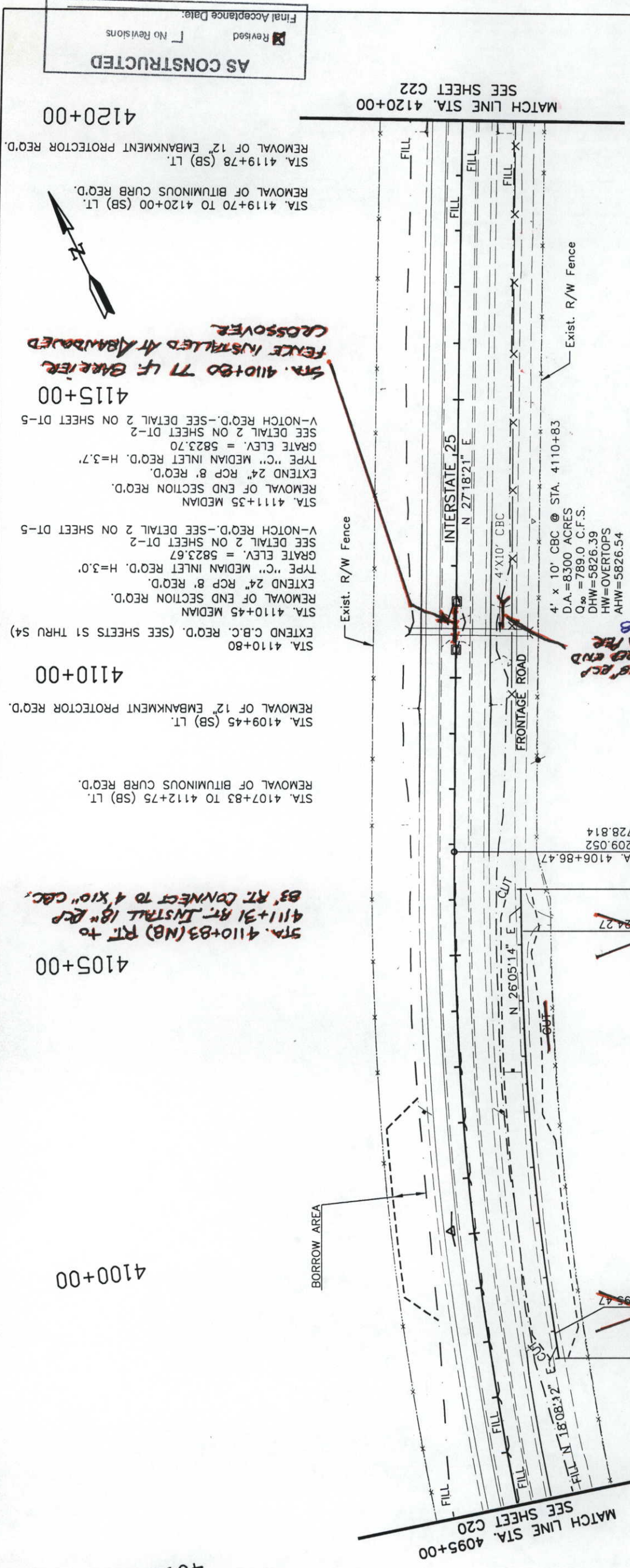
STA. 4105+50
RECONSTRUCT DRIVEWAY REQ'D.
SEE NOTE

STA. 4106+78 TO STA. 4112+81 (NB) RT.
REMOVAL OF BITUMINOUS CURB REQ'D.

STA. 4109+52 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 4109+00 TO 4120+00 (NB)
BARRIER FENCE REQ'D.
(PLACE 100' RT. OF CENTER LINE)

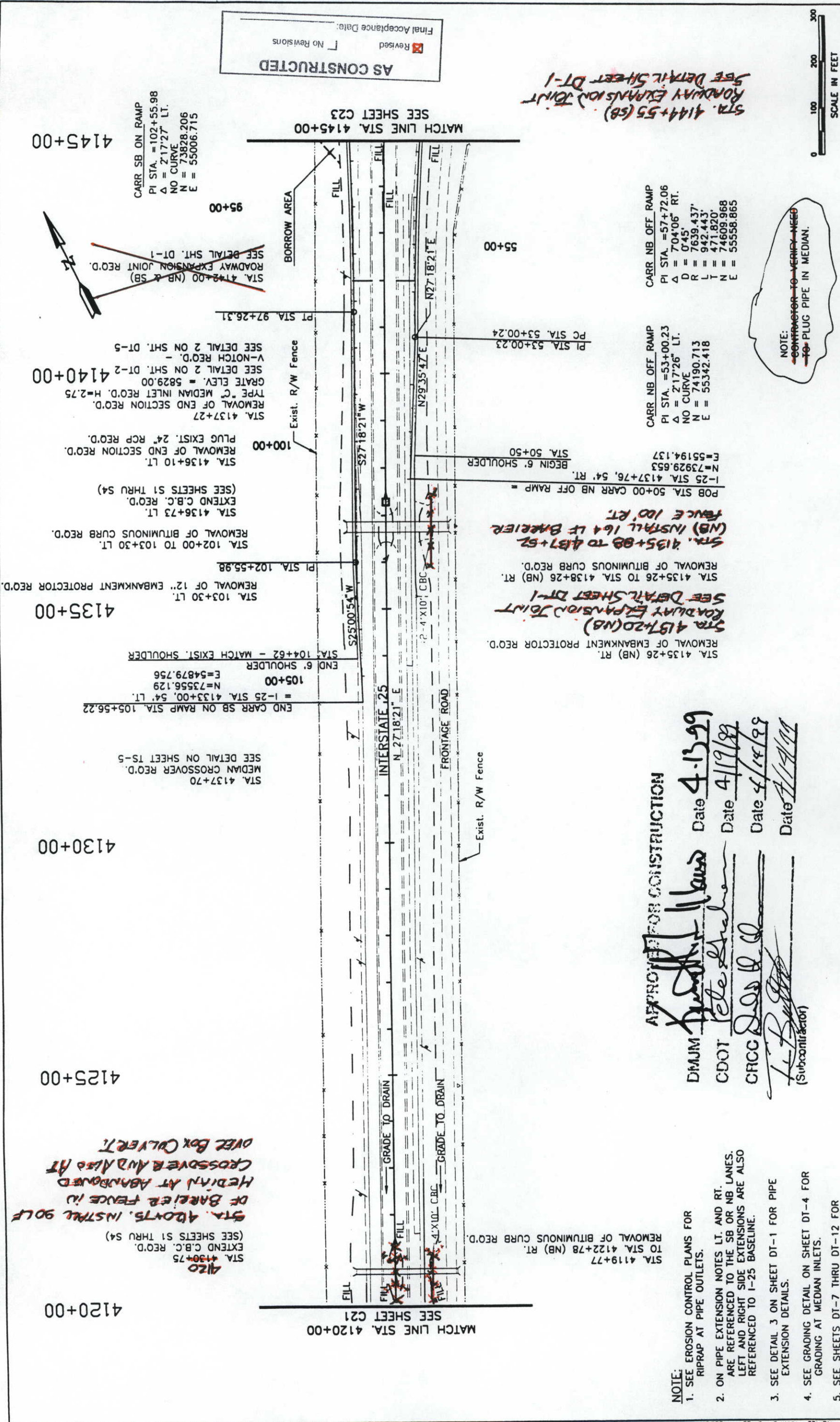
STA. 4119+77 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.



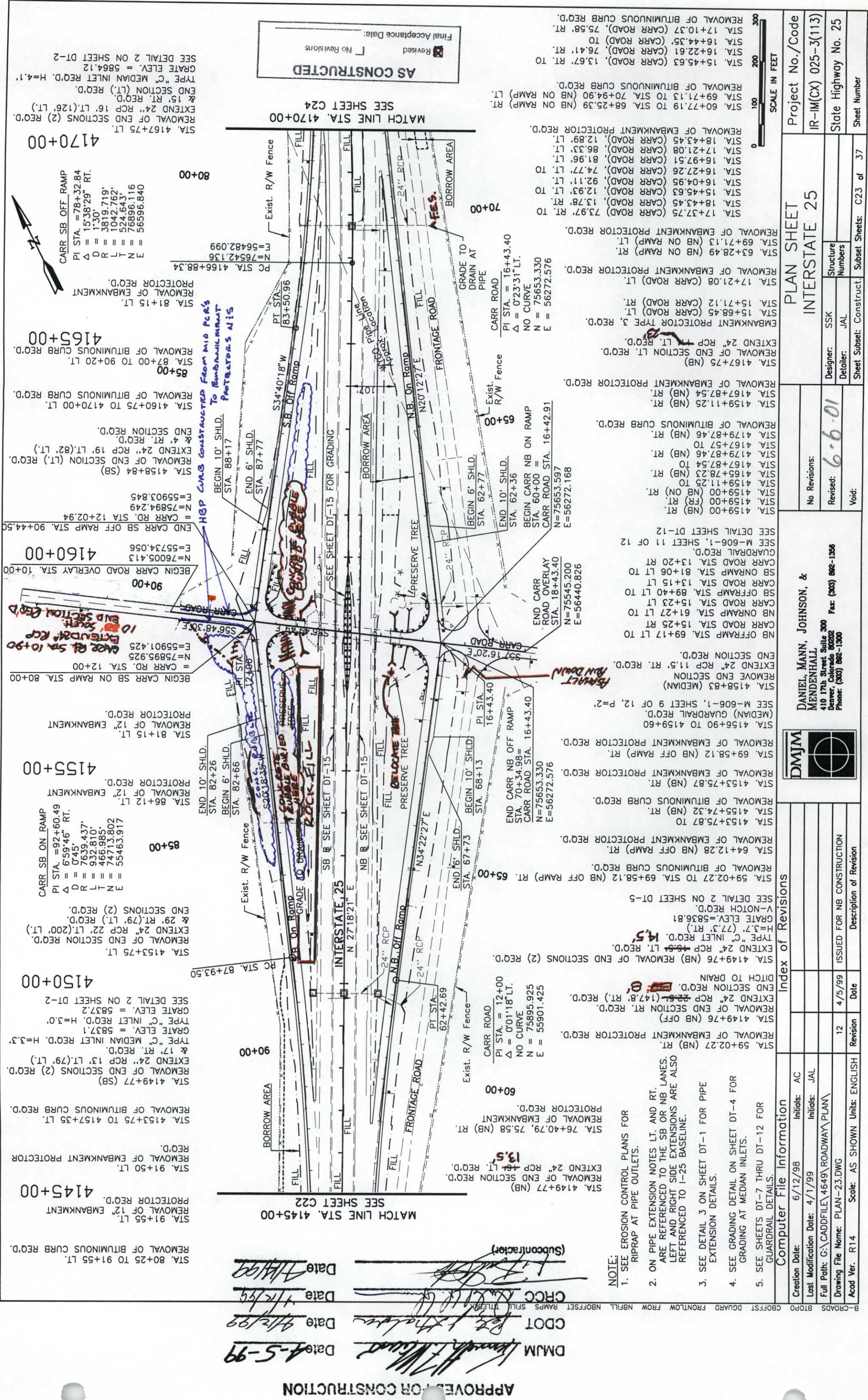
AS CONSTRUCTED

Revised ☒ No Revisions ☐

Final Acceptance Date:



GUARDRAIL DETAILS.										PLAN SHEET										Project No./Code	
Computer File Information										INTERSTATE 25										IR-IM(CX) 025-3(113)	
Creation Date:		6/12/98		Initials:		AC				No Revisions:											
Last Modification Date:		4/13/99		Initials:		JAL				Revised:		6-6-01		SSK		Structure Numbers					
Full Path:		G:\CADD\FILE\4649\ROADWAY\PLAN\								Detailer:		JAL				State Highway No. 25					
Drawing File Name:		PLAN-22.DWG								Sheet Subst:		Construct		Subst		Sheets: C22 of 37					
Acad Ver.		R14		Scale:		AS SHOWN		Units:		ENGLISH						Sheet Number					
				Revision		8		Date		4/5/99											
				Description of Revision		ISSUED FOR NB CONSTRUCTION															



Computer File Information		Index of Revisions		DMJM		DANIEL, MANN, JOHNSON, & MENDENHALL		No Revisions:		PLAN SHEET		Project No./Code	
Creation Date:	6/12/98	Initials:	AC			410 17th Street Suite 300	Denver, Colorado 80202			INTERSTATE 25		IR-IM(CX) 025-3(113)	
Last Modification Date:	4/1/99	Initials:	JAL			Phone: (303) 882-1300	Fax: (303) 882-1356			Structure Numbers		State Highway No. 25	
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\									Designer: SSK		Sheet Subst: Construct	
Drawing File Name:	PLAN-23.DWG									Detailer: JAL		Sheet Number	
Acad Ver.	R14	Scale:	AS SHOWN	Units:	ENGLISH					Void:		37	
										Subst Sheets: C23 of			

APPROVED FOR CONSTRUCTION

DMJM *[Signature]* Date: 7-5-99
CBOT *[Signature]* Date: 7/12/99
CRCC *[Signature]* Date: 7/12/99
(Subcontractor) *[Signature]* Date: 7/14/99

CARR SB OFF RAMP
PI STA = 4174+09.01
 $\Delta = 14'20''17''$ LT.
 $\Delta = 1'00''$
R = 5729.578'
L = 1433.813'
NO CURVE
N = 77402.605
E = 56771.538

I-25
PI STA = 4174+09.01
 $\Delta = 14'20''17''$ LT.
 $\Delta = 1'00''$
R = 5729.578'
L = 1433.813'
NO CURVE
N = 77402.605
E = 56771.538

STA 4167+90 STA 4179+00
WILLINGS USED AS LEVELING
COURSE UNDER 10" CONC.
OVERLAY 4175+00

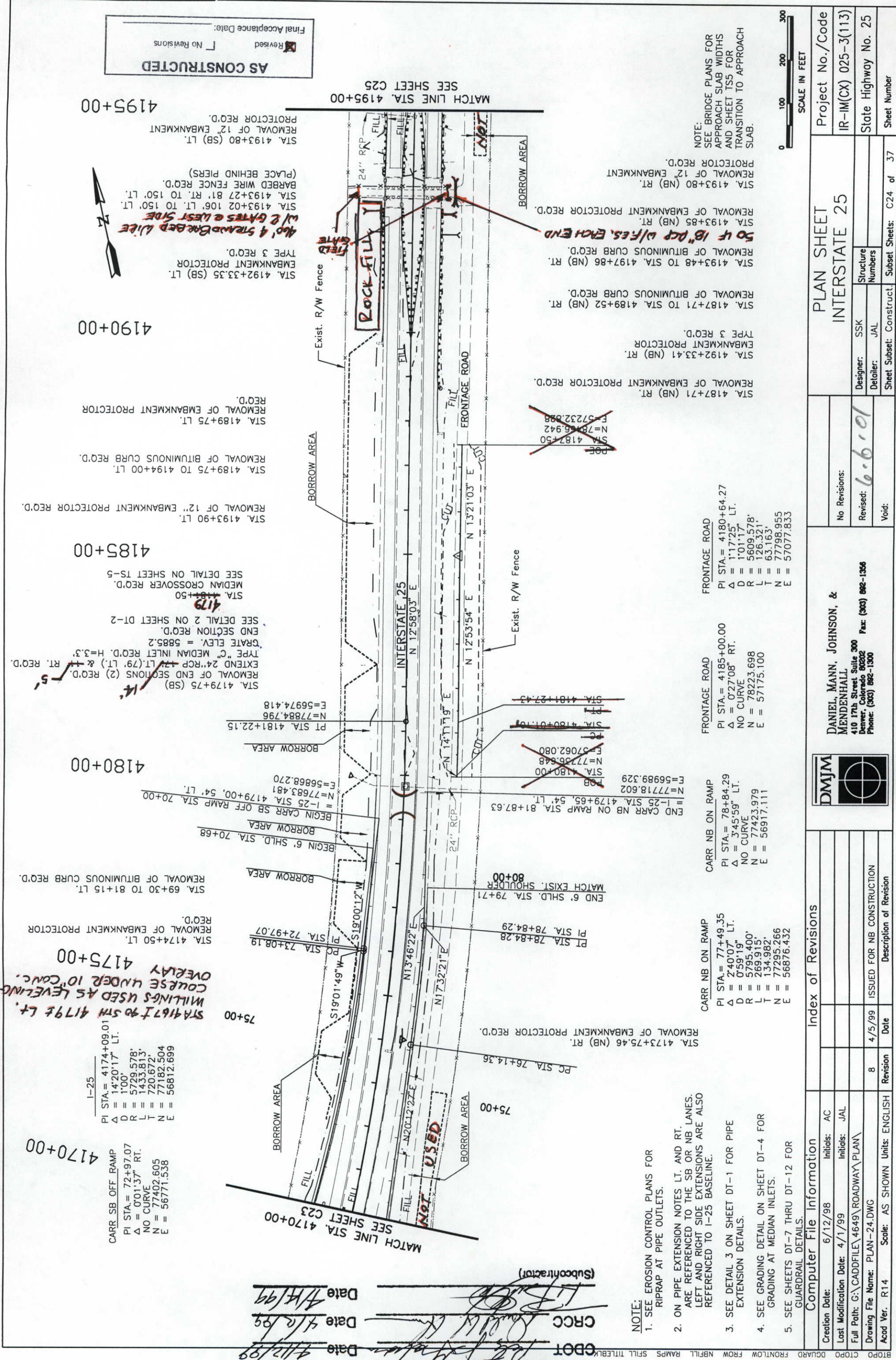
STA. 4174+50 LT.
REMOVAL OF EMBANKMENT PROTECTOR
REQ'D.
STA. 69+30 TO 81+15 LT.
REMOVAL OF BITUMINOUS CURB REQ'D.

STA. 4179+75 (SB)
REMOVAL OF END SECTIONS (2) REQ'D.
EXTEND 24" RCP 12' LT. (79' LT.) & 11' RT. REQ'D.
TYPE "C" MEDIAN INLET REQ'D. H=3.3'
GRADE ELEV. = 5885.2
END SECTION REQ'D.
SEE DETAIL 2 ON SHEET DT-2
STA. 4181+50
MEDIAN CROSSOVER REQ'D.
SEE DETAIL ON SHEET TS-5
4185+00

STA. 4189+75 LT.
REMOVAL OF BITUMINOUS CURB REQ'D.
STA. 4189+75 TO 4194+00 LT.
REMOVAL OF EMBANKMENT PROTECTOR
REQ'D.
4190+00

STA. 4192+33.35 (SB) LT.
EMBANKMENT PROTECTOR
TYPE 3 REQ'D.
400' 4 STRAND EMBANKMENT
W/ 2 GATES & WEST SIDE
BARBED WIRE FENCE REQ'D.
(PLACE BEHIND PIERS)
STA. 4193+02 106' LT. TO 150' LT.
STA. 4193+27 81' RT. TO 150' LT.
STA. 4193+80 (SB) LT.
REMOVAL OF 12" EMBANKMENT
PROTECTOR REQ'D.
4195+00

AS CONSTRUCTED
Revised ☒ No Revisions
Final Acceptance Date:



- NOTE:
- SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
 - ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
 - SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
 - SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
 - SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

CARR NB ON RAMP
PI STA = 77+49.35
 $\Delta = 2'40''07''$ LT.
 $\Delta = 0'59''19''$
R = 5795.400'
L = 269.915'
T = 134.982'
N = 77295.266
E = 56876.432

END CARR NB ON RAMP STA. 81+87.63
N = 77718.602
E = 56989.329

FRONTAGE ROAD
PI STA = 4185+00.00
 $\Delta = 0'27''08''$ RT.
NO CURVE
N = 78223.698
E = 57175.100

FRONTAGE ROAD
PI STA = 4180+64.27
 $\Delta = 1'17''25''$ LT.
 $\Delta = 1'01''17''$
R = 5609.578'
L = 126.321'
T = 63.163'
N = 77798.955
E = 57077.833

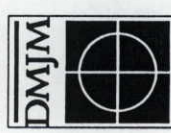
STA. 4187+71 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.
STA. 4192+33.41 (NB) RT.
EMBANKMENT PROTECTOR
TYPE 3 REQ'D.
STA. 4187+71 TO STA. 4189+52 (NB) RT.
REMOVAL OF BITUMINOUS CURB REQ'D.
STA. 4193+48 TO STA. 4197+86 (NB) RT.
REMOVAL OF BITUMINOUS CURB REQ'D.
STA. 4193+85 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.
STA. 4193+80 (NB) RT.
REMOVAL OF 12" EMBANKMENT
PROTECTOR REQ'D.

Computer File Information

Creation Date:	6/12/98	Initials:	AC
Last Modification Date:	4/1/99	Initials:	JAL
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\		
Drawing File Name:	PLAN-24.DWG		
Acad Ver.	R14	Scale:	AS SHOWN Units: ENGLISH

Index of Revisions

Revision	Date	Description of Revision
8	4/5/99	ISSUED FOR NB CONSTRUCTION



DANIEL, MANN, JOHNSON, &
MENDENHALL
410 17th Street Suite 300
Denver, Colorado 80202
Phone: (303) 882-1300
Fax: (303) 882-1356

Project No./Code		Project No./Code	
IR-IM(CX) 025-3(113)		INTERSTATE 25	
Designer:	SSK	Structure Numbers	State Highway No. 25
Detailer:	JAL	Sheet Subset: Construct.	Sheet Number
Void:		Sheet Subsets: C24 of 37	



NOTE:
SEE BRIDGE PLANS FOR
APPROACH SLAB WIDTHS
AND SHEET TSS FOR
TRANSITION TO APPROACH
SLAB.

4195+00

4200+00

4205+00

4210+00

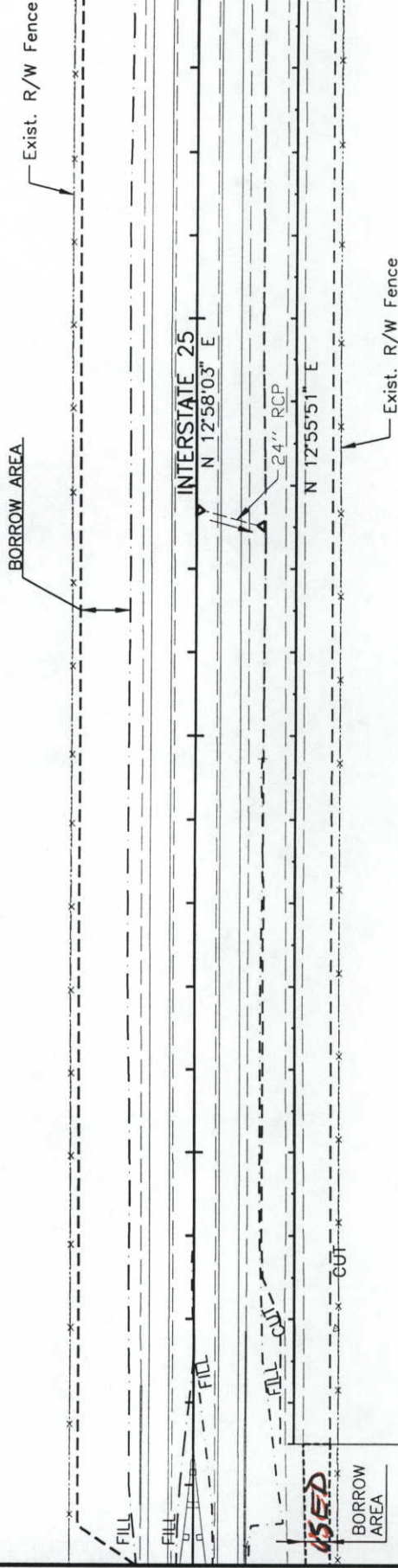
4215+00

4220+00

STA. 4195+70 TO 4197+25 LT.
REMOVAL OF BITUMINOUS CURB REQ'D.

MATCH LINE STA. 4195+00
SEE SHEET C24

MATCH LINE STA. 4220+00
SEE SHEET C26



AS CONSTRUCTED

☒ Revised
☐ No Revisions
Final Acceptance Date: _____

- NOTE:
1. SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
 2. ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
 3. SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
 4. SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
 5. SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

APPROVED FOR CONSTRUCTION

DMJM *[Signature]* Date 4-5-99
CDOT *[Signature]* Date 4/12/99
CRCC *[Signature]* Date 4/12/99
[Signature] Date 4/14/99
(Subcontractor)

STA. 4207+53 (NB)
REMOVAL OF END SECTION LT. REQ'D.
EXTEND 24" RCP 23' LT. REQ'D.
SEE DETAIL 4 ON SHEET DT-2

STA. 4207+53 (NB)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP 30' (81' RT.) REQ'D.

POB
STA 4215+00
N = 8147.1941
E = 57916.515

Computer File Information

Creation Date:	6/12/98	Initials:	AC
Last Modification Date:	4/1/99	Initials:	JAL
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\		
Drawing File Name:	PLAN-25.DWG		
Acad Ver.	R14	Scale:	AS SHOWN
Units:	ENGLISH		

Index of Revisions

Revision	Date	Description of Revision
8	4/5/99	ISSUED FOR NB CONSTRUCTION



DANIEL, MANN, JOHNSON, &
MENDENHALL
410 17th Street Suite 300
Denver, Colorado 80202
Phone (303) 882-1300
Fax: (303) 882-1356

No Revisions: ☒
Revised: _____
Void: _____

PLAN SHEET
INTERSTATE 25

Project No./Code
IR-IM(CX) 025-3(113)
State Highway No. 25
Sheet Number

SCALE IN FEET
0 100 200 300

CTOP TO FRONT VIEW FROM NB FILL NB FRONT SFILL TITLE BLK

4220+00

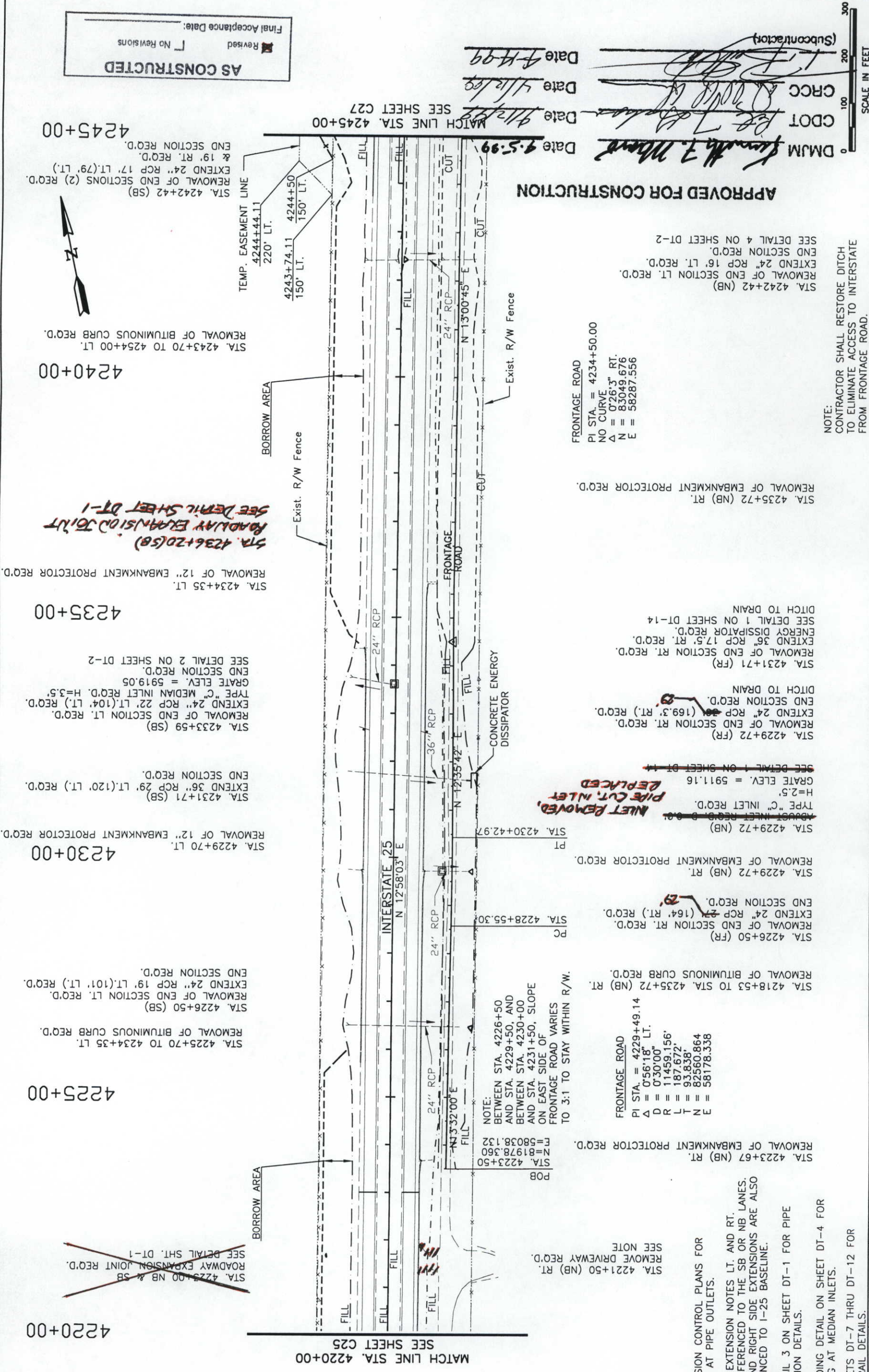
4225+00

4230+00

4235+00

4240+00

4245+00



AS CONSTRUCTED

☒ Revised

☐ No Revisions

Final Acceptance Date: _____

APPROVED FOR CONSTRUCTION

DMJM Kenneth F. Mann
CDOT Date 9/12/99
CRCC Date 9/16/99
(Subcontractor) Date 9/14/99

FRONTAGE ROAD
PI STA. = 4234+50.00
NO CURVE
Δ = 0°26'3" RT.
Δ = 83049.676
E = 58287.556

NOTE:
CONTRACTOR SHALL RESTORE DITCH
TO ELIMINATE ACCESS TO INTERSTATE
FROM FRONTAGE ROAD.

SCALE IN FEET

Computer File Information			Index of Revisions			PLAN SHEET INTERSTATE 25			Project No./Code	
Creation Date:	6/12/98	Initials: AC				No Revisions:			IR-IM(CX) 025-3(113)	
Last Modification Date:	4/1/99	Initials: JAL				Revised:		6.6.01	State Highway No. 25	
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN\					Designer:		SSK	Structure Numbers	
Drawing File Name:	PLAN-26.DWG					Detailer:		JAL	Sheet Subst: Construct	
Acad Ver. R14	Scale: AS SHOWN	Units: ENGLISH	Revision	Date	Description of Revision	Void:			Sheet Sheets: C26 of 37	
			8	4/5/99	ISSUED FOR NB CONSTRUCTION					
						DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street Suite 300 Denver, Colorado 80202 Phone: (303) 882-1300 Fax: (303) 882-1356				
										

- NOTE:
- SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
 - ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
 - SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
 - SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
 - SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

STA. 4221+50 (NB) RT.
REMOVE DRIVEWAY REQ'D.
SEE NOTE

STA. 4223+67 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

FRONTAGE ROAD
PI STA. = 4229+49.14
Δ = 0°56'18" LT.
Δ = 0°30'00" RT.
D = 11459.156'
D = 187.672'
T = 93.838'
E = 82560.864
E = 58178.338

STA. 4218+53 TO STA. 4235+72 (NB) RT.
REMOVAL OF BITUMINOUS CURB REQ'D.

STA. 4226+50 (FR)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP 27' (164' RT.) REQ'D.
END SECTION REQ'D.

STA. 4229+72 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 4229+72 (NB)
ADJUST INLET REQ'D. SEE DETAIL 1 ON SHEET DT-14
H=2.5'
TYPE "C" INLET REQ'D.
PIPE CUT, INLET REPLACED

STA. 4229+72 (FR)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP 30' (169.3' RT.) REQ'D.
DITCH TO DRAIN

STA. 4231+71 (FR)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 36" RCP 17.5' RT. REQ'D.
ENERGY DISSIPATOR REQ'D.
SEE DETAIL 1 ON SHEET DT-14
DITCH TO DRAIN

STA. 4235+72 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

STA. 4236+20 (SB)
ROADWAY EXPANSION JOINT
SEE DETAIL SHEET DT-1

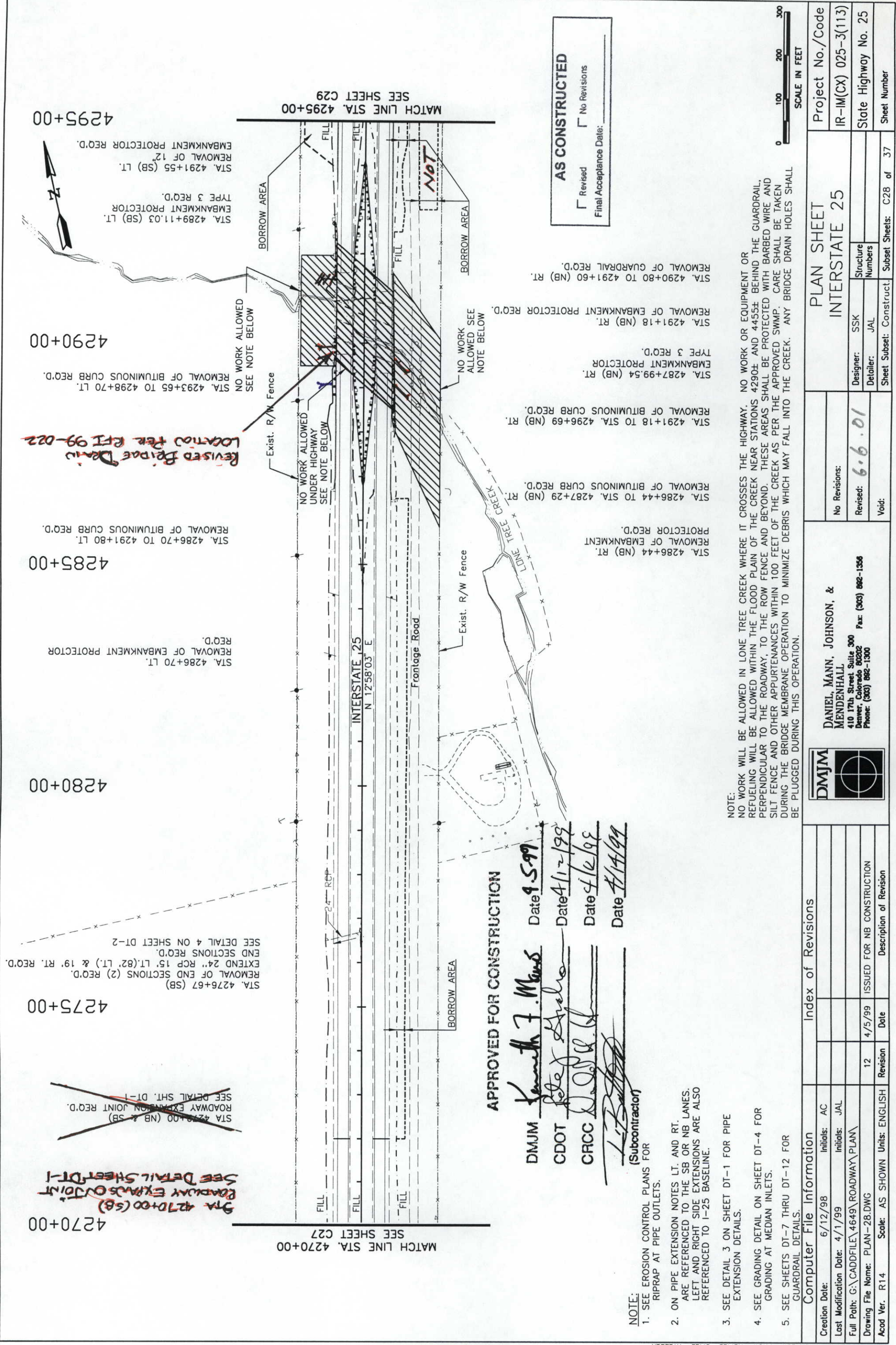
STA. 4234+35 LT.
REMOVAL OF 12" EMBANKMENT PROTECTOR REQ'D.

STA. 4233+59 (SB)
REMOVAL OF END SECTION LT. REQ'D.
EXTEND 24" RCP 22' LT. (104' LT.) REQ'D.
TYPE "C" MEDIAN INLET REQ'D. H=3.5'
GRADE ELEV. = 5919.05
SEE DETAIL 2 ON SHEET DT-2

STA. 4231+71 (SB)
EXTEND 36" RCP 29' LT. (120' LT.) REQ'D.
END SECTION REQ'D.

STA. 4225+70 TO 4234+35 LT.
REMOVAL OF BITUMINOUS CURB REQ'D.
STA. 4226+50 (SB)
REMOVAL OF END SECTION LT. REQ'D.
EXTEND 24" RCP 19' LT. (101' LT.) REQ'D.
END SECTION REQ'D.

STA. 4223+00 NB & SB
ROADWAY EXPANSION JOINT REQ'D.
SEE DETAIL SHT. DT-1



NOTE:

1. SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
2. ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
3. SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
4. SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
5. SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

NOTE:

NO WORK WILL BE ALLOWED IN LONE TREE CREEK WHERE IT CROSSES THE HIGHWAY. NO WORK OR EQUIPMENT OR REFUELING WILL BE ALLOWED WITHIN THE FLOOD PLAIN OF THE CREEK NEAR STATIONS 4290+ AND 4455+ BEHIND THE GUARDRAIL, PERPENDICULAR TO THE ROADWAY, TO THE ROW FENCE AND BEYOND. THESE AREAS SHALL BE PROTECTED WITH BARBED WIRE AND SILT FENCE AND OTHER APPURTENANCES WITHIN 100 FEET OF THE CREEK AS PER THE APPROVED SWMP. CARE SHALL BE TAKEN DURING THE BRIDGE MEMBRANE OPERATION TO MINIMIZE DEBRIS WHICH MAY FALL INTO THE CREEK. ANY BRIDGE DRAIN HOLES SHALL BE PLUGGED DURING THIS OPERATION.

Computer File Information		Index of Revisions		DMJM		DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street Suite 300 Denver, Colorado 80202 Phone: (303) 882-1300 Fax: (303) 882-1356		No Revisions:		PLAN SHEET INTERSTATE 25		Project No./Code IR-IM(CX) 025-3(113)		
Creation Date:	6/12/98	Initials:	AC											
Last Modification Date:	4/1/99	Initials:	JAL											
Full Path:	G:\CADD\FILE\4649\ROADWAY\PLAN													
Drawing File Name:	PLAN-28.DWG													
Acad Ver.	R14	Scale:	AS SHOWN	Units:	ENGLISH	Revision	12	Date	4/5/99	Issued For	NB CONSTRUCTION	Designer:	SSK	
												Detailer:	JAL	
												Sheet Subst:	Construct	
												Sheet Number	37	
												Subset Sheets:	C28 of	

I-25 SB R

PI STA. = 4309+01.78
Δ = 5°42'59" LT.
D = 1°00'16"
R = 5704.078'
L = 569.099'
T = 284.786'
N = 90351.529
E = 59780.800

I-25 SB @

PI STA.	=	4313+39.25
Δ	=	4'17.06" LT.
D	=	1'23.58"
R	=	4093.900'
L	=	306.171'
T	=	153.157'
N	=	90788.884
E	=	59803.462

4295+00

4300+00

STN. 4304+70 LT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.
+90.51 =
30. LT.
STN. 4304+70 TO 4325+00 LT.
REMOVAL OF BITUMINOUS CURB REQ'D.

4305+00

STA. 4306+14 (SB)
 REMOVAL OF END SECTION REQ'D.
 EXTEND 24' RCP 22' RT. REQ'D.
 TYPE "C" MEDIAN INLET REQ'D. 11.3.2
 GRADE ELEV. = 5920.05
 SEE DETAIL 2 ON SHEET 01.2
 A NOTCH REQ'D.
 SEE DETAIL 2 ON SHT. 01.5
 STA. 4305+65
 MEDIAN CROSSOVER REQ'D.
 SEE DETAIL ON SHEET TS-5

4310+00

STA. 4305+38 TO 4316+75 (SB) LT.
GUARDRAIL REQ'D.
(ET-2000 ON SOUTH END, SRT ON NORTH END)
STA. 4310+00 LT.
PLUG 12" EMBANKMENT PROTECTOR REQ'D.
SEE DETAIL 3 ON SHEET DT-6
STA. 4314+00 LT.
PLUG 12" EMBANKMENT PROTECTOR REQ'D.
SEE DETAIL 3 ON SHEET DT-6

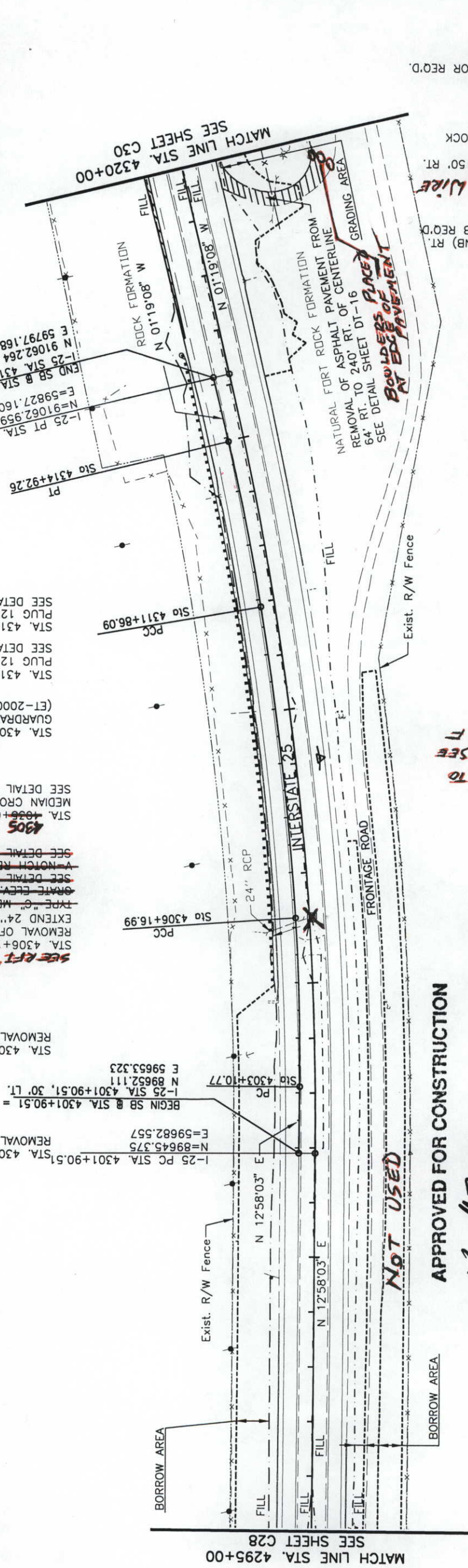
4315+00

4320+00

AS CONSTRUCTED

☒ Revised ☐ No Revisions

Final Acceptance Date: _____



NOTE:

1. SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
2. ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
3. SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
4. SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
5. SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

APPROVED FOR CONSTRUCTION

DMJM	<u>Kenneth F. Muro</u>	Date	<u>4-5-99</u>
CDOT	<u>Peter J. Strehle</u>	Date	<u>4/12/99</u>
CRCC	<u>David D. ()</u>	Date	<u>4/12/99</u>
	<u>[Signature]</u>	Date	<u>4-14-99</u>
	(Subcontractor)		

MEDIAN VARIES
STA. 4301+90.51 TO
STA. 4316+12.56. SEE
TYPICAL SECTION F
ON T57.

NOTE: WORK NEAR LONE TREE CREEK (APPROXIMATELY STATION 4306 TO STATION 4314) WILL REQUIRE FULL PROTECTION OF THE WETLAND WITH SILT FENCE. DISTURBANCE OF THE GROUND IN THIS GUARDRAIL AREA SHALL BE LIMITED TO 4 FEET BEYOND THE EXISTING EDGE OF SHOULDER. THE ALIGNMENT HAS BEEN SHIFTED TO ALLOW THE CONTRACTOR TO COMPLETELY MINIMIZE WORK IN THIS AREA. SLOPES BEYOND THIS DISTANCE MUST BE LEFT INTACT AND ANY SHOULDERING MUST TAKE PLACE IN THIS 4 FOOT AREA. SEE SHEET E30 OF EROSION CONTROL PLANS.

STIA. 4312+62.34 (NB) RT.
TO STA. 4319+19.17 99.31 (NB) RT.
REMOVAL OF BITUMINOUS CURB REQ'D.
826' of 4 strand Barbed Wire
STIA. 4318+50 TO STA. 4326+00. 150' RT.
BARBED WIRE FENCE REQ'D.
(PLACE END POSTS ADJACENT TO ROCK FORMATIONS NORTH AND SOUTH)
STIA. 4317+76 (NB) RT.
REMOVAL OF EMBANKMENT PROTECTOR REQ'D.

Computer File Information	Index of Revisions
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Last Modification Date:	4/1/99	Initials:	JAL	
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Acad Ver.	R14	Scale:	AS SHOWN	Units: ENGLISH
		Revision	12	4/5/99
		Description of Revision	ISSUED FOR NB CONSTRUCTION	



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Phone: (303) 892-1300
Fax: (303) 892-1356

	PLAN SHEET				Project No./Code
	INTERSTATE 25				
No Revisions:		Designer: SSK	Structure Numbers		IR-IM(CX) 025-3(113)
Revised:	6.6.01	Detailer: JAL			State Highway No. 25
Void:		Sheet Subst: Construct.	Subst Sheets: C29 of 37		Sheet Number

PLAN SHEET
INTERSTATE 2

DMJM *[Signature]* Date 9-5-99

(Subcontractor)
LINE STA. 4295+00
E SHEET C28

BARBED WIRE FENCE REQ'D.
STA. 4320+35 LT.
REMOVAL OF 12" EMBANKMENT PROTECTOR
REQ'D.
STA. 4322+01 MEDIAN

4325+00

STA. 4325+00 TO 4327+70 LT.
REMOVAL OF BITUMINOUS CURB REQ'D.

STA. 4317+00 TO 4335+00 (±)

STATIONING: 4330+00

SEE DETAIL 2 ON SHEET DT-2

STA. 4331+65 RT.
REMOVAL OF EMBANKMENT PROTECTOR
REQ'D.

STA. 4331+65 TO 4351+30 RT.
REMOVAL OF BITUMINOUS CURB REQ'D.

REQ'D.

STN. 4334+55 (SB)
ROADWAY EXPANSION JOINT
SEE DETAIL SHEET DT-1

W Fence

STATION 4340+67 (SB)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP 17' LT.(93' LT.) & 15' RT. REQ'D.
TYPE "C" MEDIAN INLET REQ'D. H=3.4'
END SECTION REQ'D.
GRATE ELEV. = 5943.2
SEE DETAIL 2 ON SHEET DT-2

4345+00

CONSTRUCTED

☐ No Revisions

Issue Date: _____

320+00

MATCH S
 END NATURAL
 Sta 10+64.00
 N 91502.584
 BEGIN NATURAL
 Sta 10+00.00
 N 91502.652
 10' RADIUS (10')

TO STA. 4234+00
SEE DETAIL SHEET DT-16

AREA ROCK FORMATION

**BOULDERS PLACED
AT EDGE OF
PAVEMENT**

EXIST. ROAD

Exist. R/W F

STA. 4320+96.39, 241.272 (NB) RT.
TO STA. 4319+33.33, 116.70 (NB) RT.
STA. 4319+39.32, 110.28 (NB) RT.
TO STA. 4323+81.78, 265.30 (NB) RT.
STA. 4321+52.63, 241.34 (NB) RT.

STA. 4331+68 (NB)
REMOVAL OF END SECTION RT. REQ'D.
EXTEND 24" RCP ~~14.9~~ (81.9' RT.) REQ'D.
END SECTION REQ'D.

[illegible]

DT-17
T AREA.

200 300

Computer File Info	Creation Date: 6/12/98	Acad Ver. R14	Scale: AS
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Index of Revisions		ISSUED FOR NB CONSTRUCTION	Description of Revisions
4/5/99			
Date			

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Denver, Colorado 80202
Phone: (303) 892-1300
Fax: (303)

		P INT Designer: SSK Detailer: JAL Sheet Subset: Constr

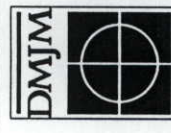
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	State Highway No. 25
	Sheet Number

TOPOG DCGUARD FRONTFLOW FROM NB/FILL SFILL TITLEBLK

- NOTE:
- SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
 - ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
 - SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
 - SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
 - SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

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Acad Ver.	R14	Scale: AS SHOWN
Units:	ENGLISH	

Index of Revisions		
Revision	Date	Description of Revision
11	4/5/99	ISSUED FOR NB CONSTRUCTION



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MENDENHALL
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Denver, Colorado 80202
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Fax: (303) 862-1356

No Revisions:

Revised:

Void:

PLAN SHEET INTERSTATE 25

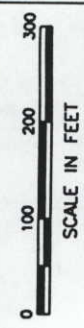
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State Highway No.	25
Sheet Number	37

AS CONSTRUCTED

☒ Revised ☐ No Revisions

Final Acceptance Date: _____

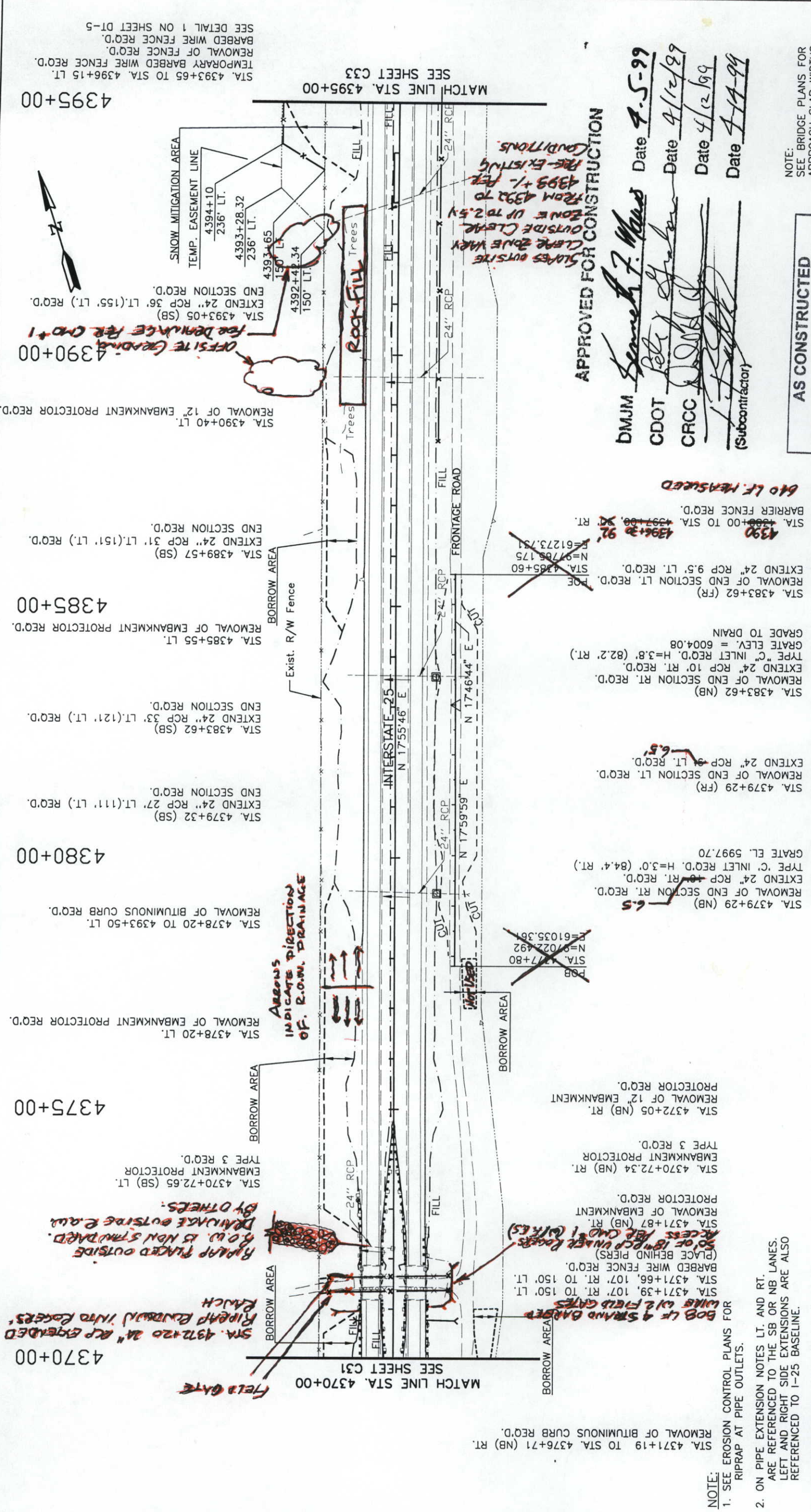
NOTE:
SEE BRIDGE PLANS FOR
APPROACH SLAB WIDTHS
AND SHEET TSS FOR
TRANSITION TO APPROACH
SLAB.



APPROVED FOR CONSTRUCTION

DATE: 4-5-99
DATE: 4/12/99
DATE: 4/12/99
DATE: 4-14-99

DMJM *Spencer F. Mann*
CDOT *Pete J. Graham*
CRCC *David L. ...*
(Subcontractor)



STA. 4393+65 TO STA. 4396+15 LT.
TEMPORARY BARBED WIRE FENCE REQ'D.
REMOVAL OF FENCE REQ'D.
BARBED WIRE FENCE REQ'D.
SEE DETAIL 1 ON SHEET DT-5

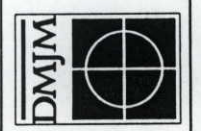
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DMJM *[Signature]* Date 9-5-92
CDOT *[Signature]* Date 9/12/92
CRCC *[Signature]* Date 4/12/92
(Subcontractor) *[Signature]* Date 4-14-99

- NOTE:
- SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
 - ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO 1-25 BASELINE.
 - SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
 - SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
 - SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

Computer File Information		
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Last Modification Date:	4/1/99	Initials: JAL
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Drawing File Name:	PLAN-35.DWG	
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Units:	ENGLISH	

Index of Revisions		
Revision	Date	Description of Revision
12	4/5/99	ISSUED FOR NB CONSTRUCTION



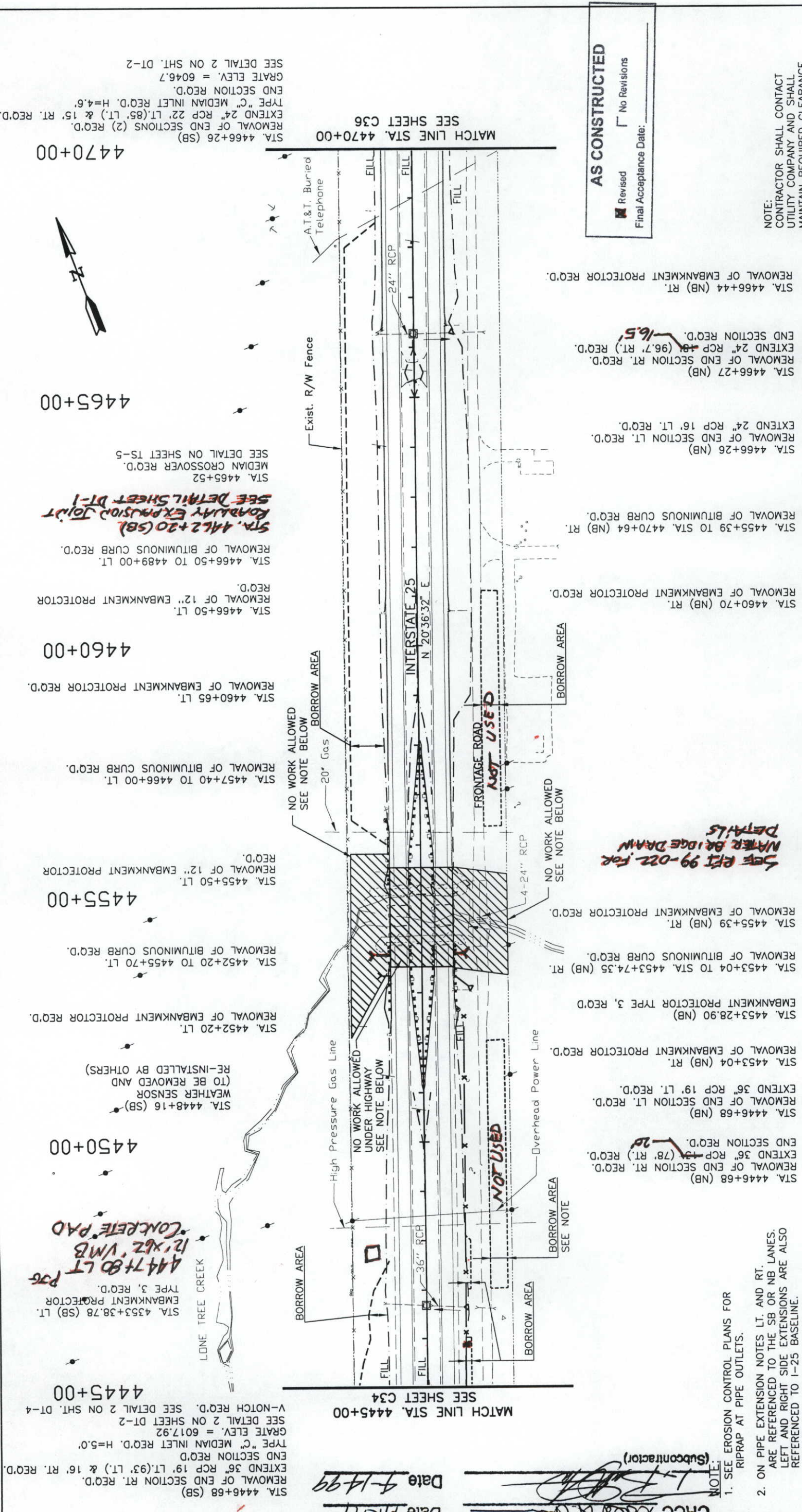
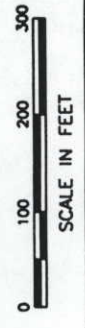
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410 17th Street Suite 300
Denver, Colorado 80202
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Fax: (303) 882-1356

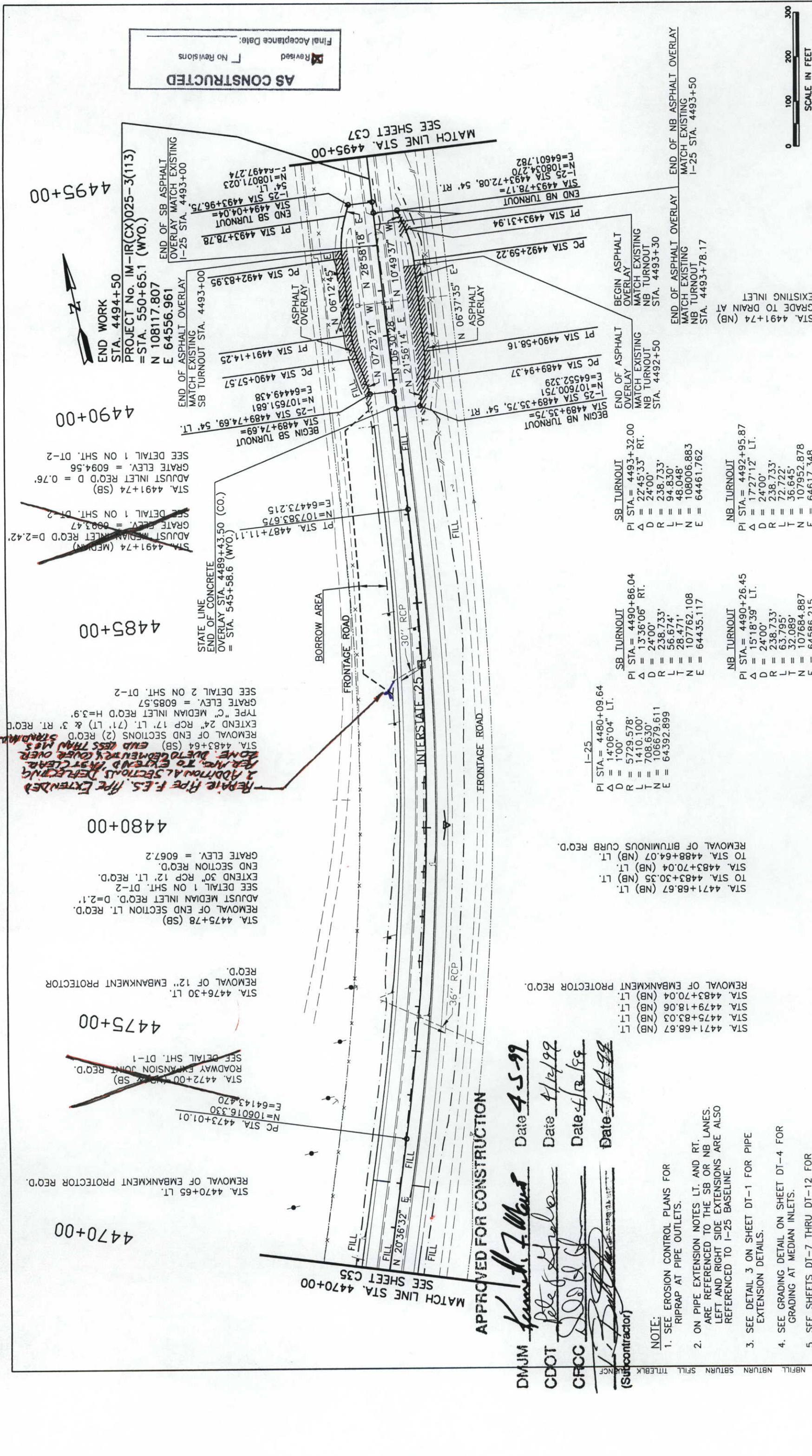
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INTERSTATE 25			IR-IM(CX) 025-3(113)
Revised:	SSK	Structure Numbers	State Highway No. 25
Void:	JAL	Detailer:	Sheet Number
Sheet Subset: Construct			Sheet Subsets: C35 of 37

NO WORK WILL BE ALLOWED IN LONE TREE CREEK WHERE IT CROSSES THE HIGHWAY. NO WORK OR EQUIPMENT OR REFUELING WILL BE ALLOWED WITHIN THE FLOOD PLAIN OF THE CREEK NEAR STATIONS 4290± AND 4455± BEHIND THE GUARDRAIL, PERPENDICULAR TO THE ROADWAY, TO THE ROW FENCE AND BEYOND. THESE AREAS SHALL BE PROTECTED WITH BARBED WIRE AND SILT FENCE AND OTHER APPURTENANCES WITHIN 100 FEET OF THE CREEK AS PER THE APPROVED SWMP. CARE SHALL BE TAKEN DURING THE BRIDGE MEMBRANE OPERATION TO MINIMIZE DEBRIS WHICH MAY FALL INTO THE CREEK. ANY BRIDGE DRAIN HOLES SHALL BE PLUGGED DURING THIS OPERATION.

NOTE:
CONTRACTOR SHALL CONTACT
UTILITY COMPANY AND SHALL
MAINTAIN REQUIRED CLEARANCE
OVER BURIED HIGH PRESSURE
GAS LINE.

AS CONSTRUCTED
Revised ☐ No Revisions
Final Acceptance Date: _____





DMJM

Daniel Mann, Johnson, & Mendenhall
410 17th Street Suite 300
Denver, Colorado 80202
Phone: (303) 882-1300 Fax: (303) 882-1356

Index of Revisions

Revision	Date	Description of Revision
11	4/5/99	ISSUED FOR NB CONSTRUCTION

Computer File Information

Creation Date:	6/12/98	Initials:	AC
Last Modification Date:	4/2/99	Initials:	JAL
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Drawing File Name:	PLAN-36.DWG		
Acad Ver.	R14	Scale:	AS SHOWN
Units:	ENGLISH		

PLAN SHEET 25

INTERSTATE 25

Project No./Code
IR-IM(CX) 025-3(113)

State Highway No. 25

Sheet Number 37 of 37

Subsets: Construct

Design: SSK

Detail: JAL

No Revisions:

Revised: 6-6-01

Void:

AS CONSTRUCTED

Revised

No Revisions

Final Acceptance Date:

NOTE:

1. SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.

2. ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.

3. SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.

4. SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.

5. SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

APPROVED FOR CONSTRUCTION

Date 4-5-99

Date 4/12/99

Date 4/12/99

Date 4-14-99

DMJM

CDOT

CRCC

(Subcontractor)

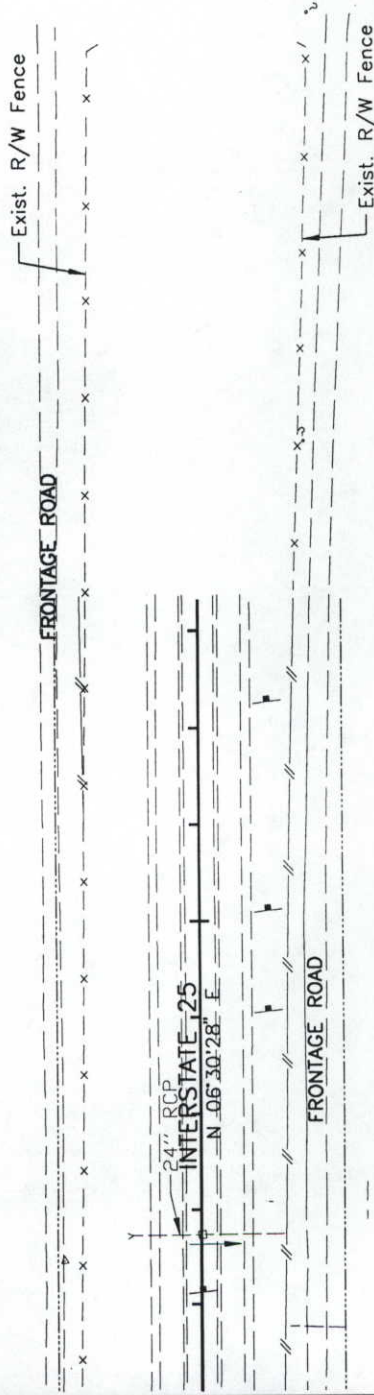
4495+00

4500+00



AS CONSTRUCTED
Revised ☒ No Revisions
Final Acceptance Date: _____

MATCH LINE STA. 4495+00
SEE SHEET C36



- NOTE:
- SEE EROSION CONTROL PLANS FOR RIPRAP AT PIPE OUTLETS.
 - ON PIPE EXTENSION NOTES LT. AND RT. ARE REFERENCED TO THE SB OR NB LANES. LEFT AND RIGHT SIDE EXTENSIONS ARE ALSO REFERENCED TO I-25 BASELINE.
 - SEE DETAIL 3 ON SHEET DT-1 FOR PIPE EXTENSION DETAILS.
 - SEE GRADING DETAIL ON SHEET DT-4 FOR GRADING AT MEDIAN INLETS.
 - SEE SHEETS DT-7 THRU DT-12 FOR GUARDRAIL DETAILS.

APPROVED FOR CONSTRUCTION

DMJM Kenneth F. Mann Date 4.5.99
CDOT Peter J. Johnson Date 4/14/99
CRCC D. D. H. H. Date 4/14/99
L. F. Smith Date 4-14-99
(Subcontractor)

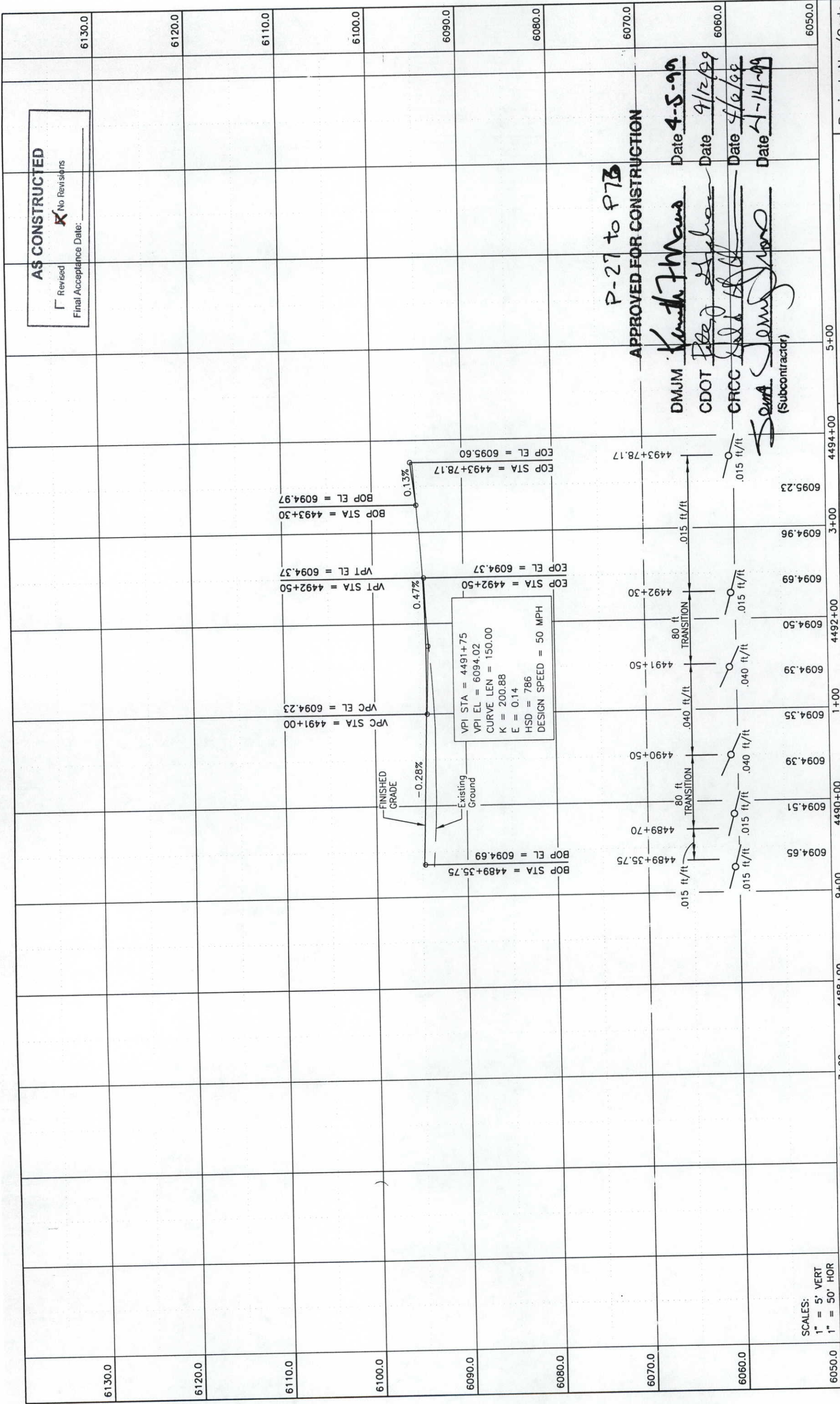
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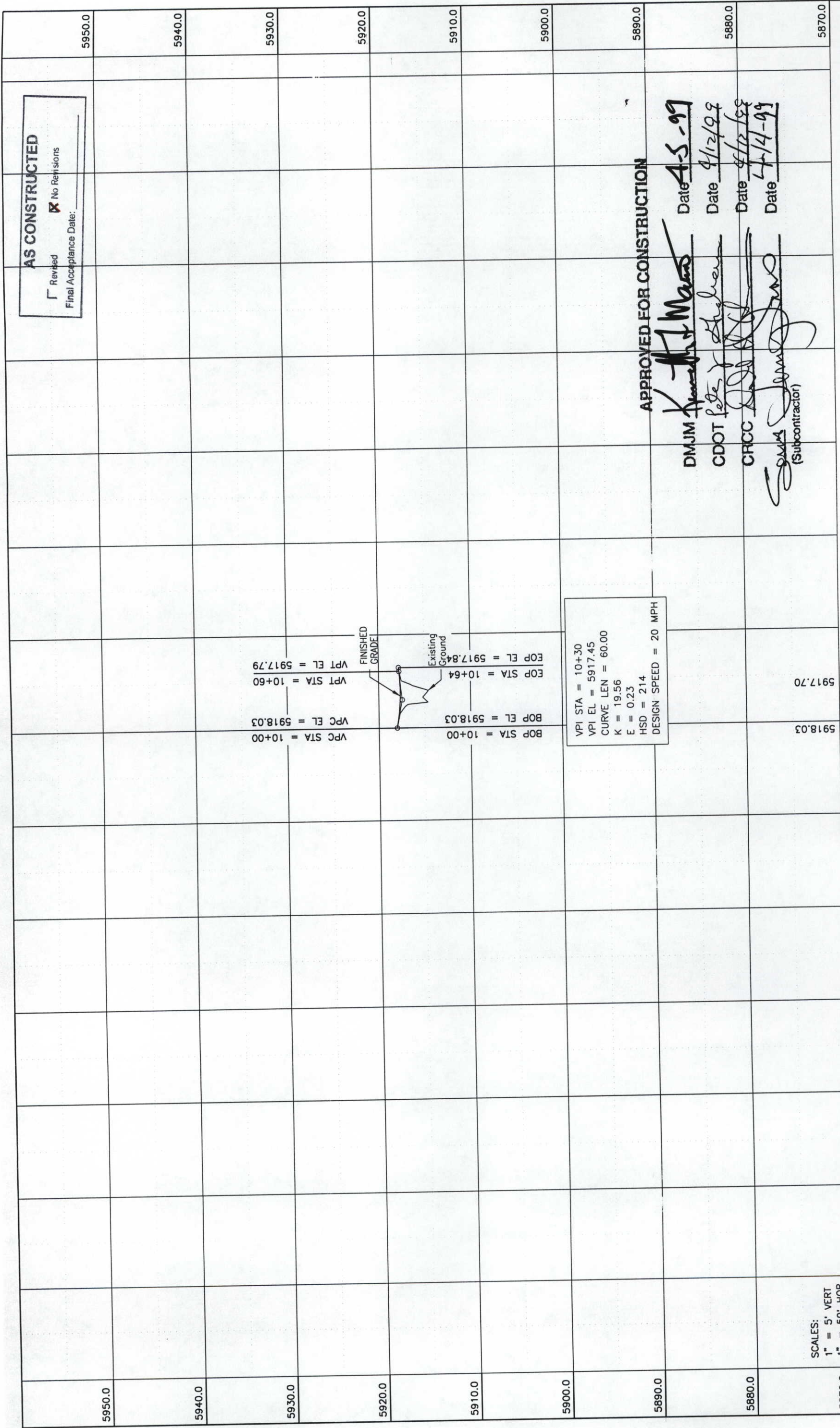
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Drawing File Name:	PLAN-37.DWG	Revision	8
Acad Ver.	R14	Date	4/5/99
Scale:	AS SHOWN	Units:	ENGLISH
		Description of Revision	



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PLAN SHEET		Project No./Code	
INTERSTATE 25		IR-IM(CX) 025-3(113)	
Designer:	SSK	Structure	State Highway No. 25
Detaller:	JAL	Numbers	
Sheet Subset:	Construct.	Subset Sheets:	C37 of 37
Sheet Number			





APPROVED FOR CONSTRUCTION

DMJM *[Signature]* Date 4-5-99

CDOT *[Signature]* Date 4/12/99

CRCC *[Signature]* Date 4/12/99

[Signature] Date 4/14-99
(Subcontractor)

Computer File Information		Index of Revisions		PROFILE SHEET		Project No./Code	
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Acad Ver.	R14	Scale:	AS SHOWN Units: ENGLISH	Sheet Number			

DMJM

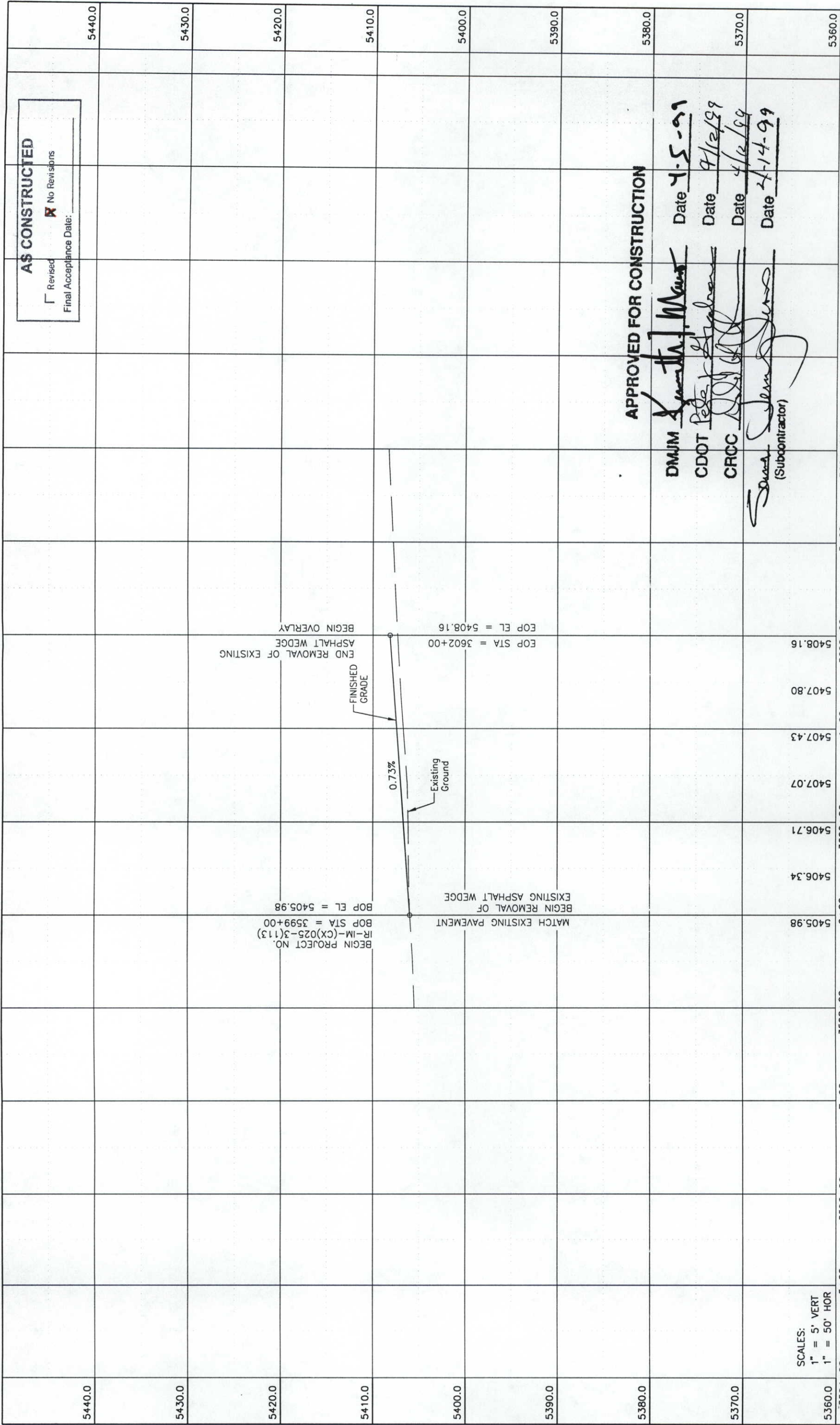
DANIEL, MANN, JOHNSON, & MENDENHALL

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Denver, Colorado 80202
Phone: (303) 862-1300 Fax: (303) 862-1356

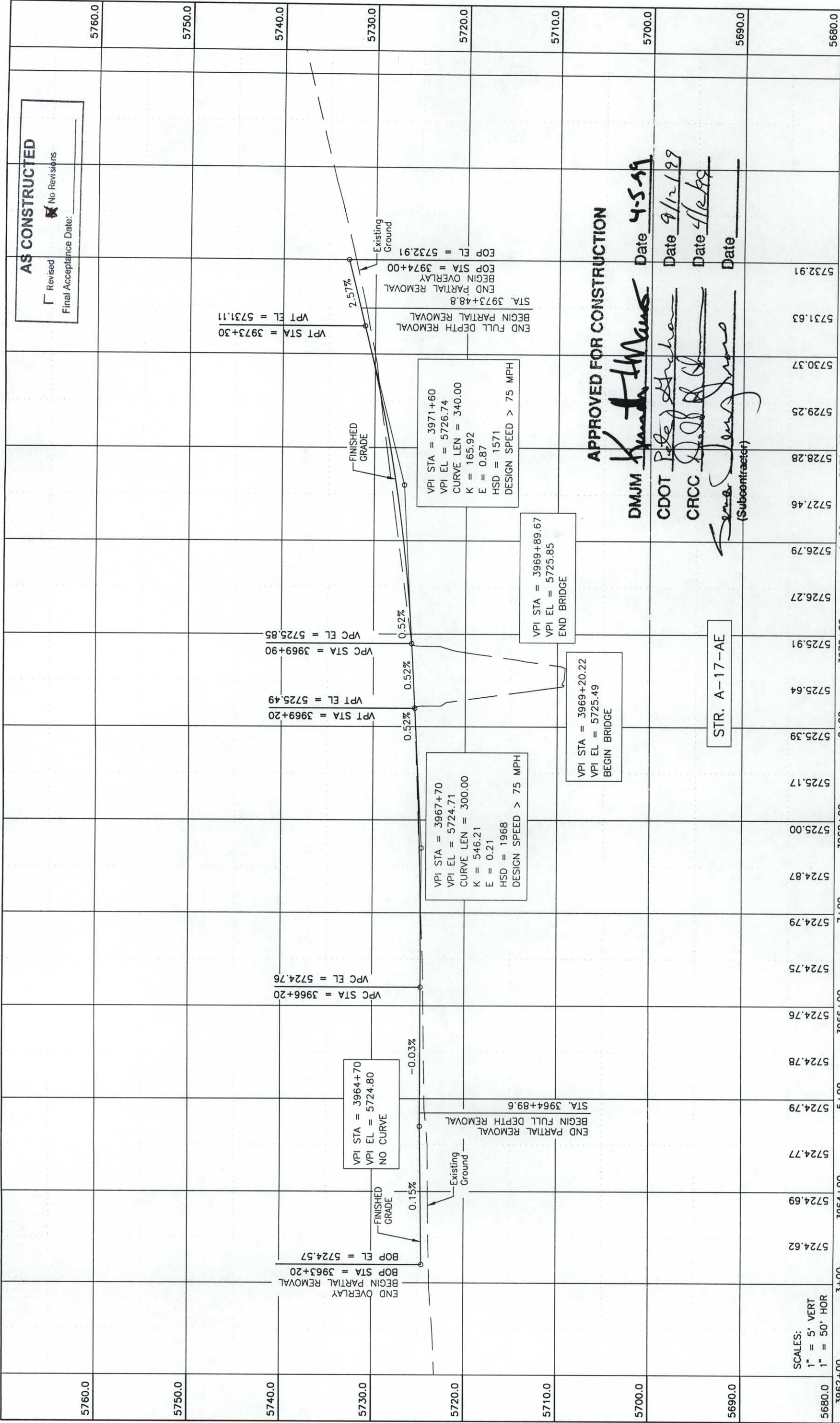
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AS CONSTRUCTED
Revised ☒ No Revisions
Final Acceptance Date: _____

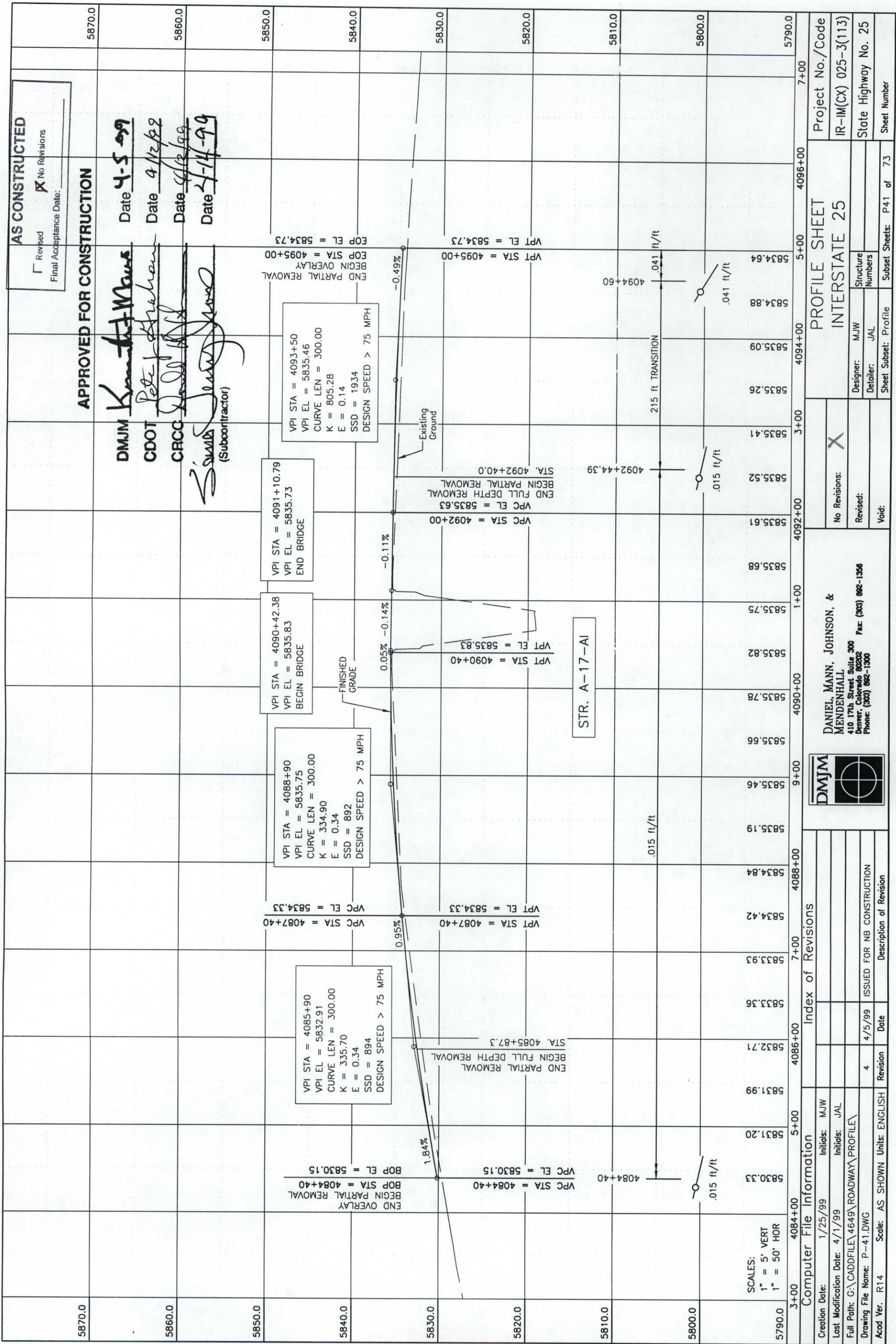
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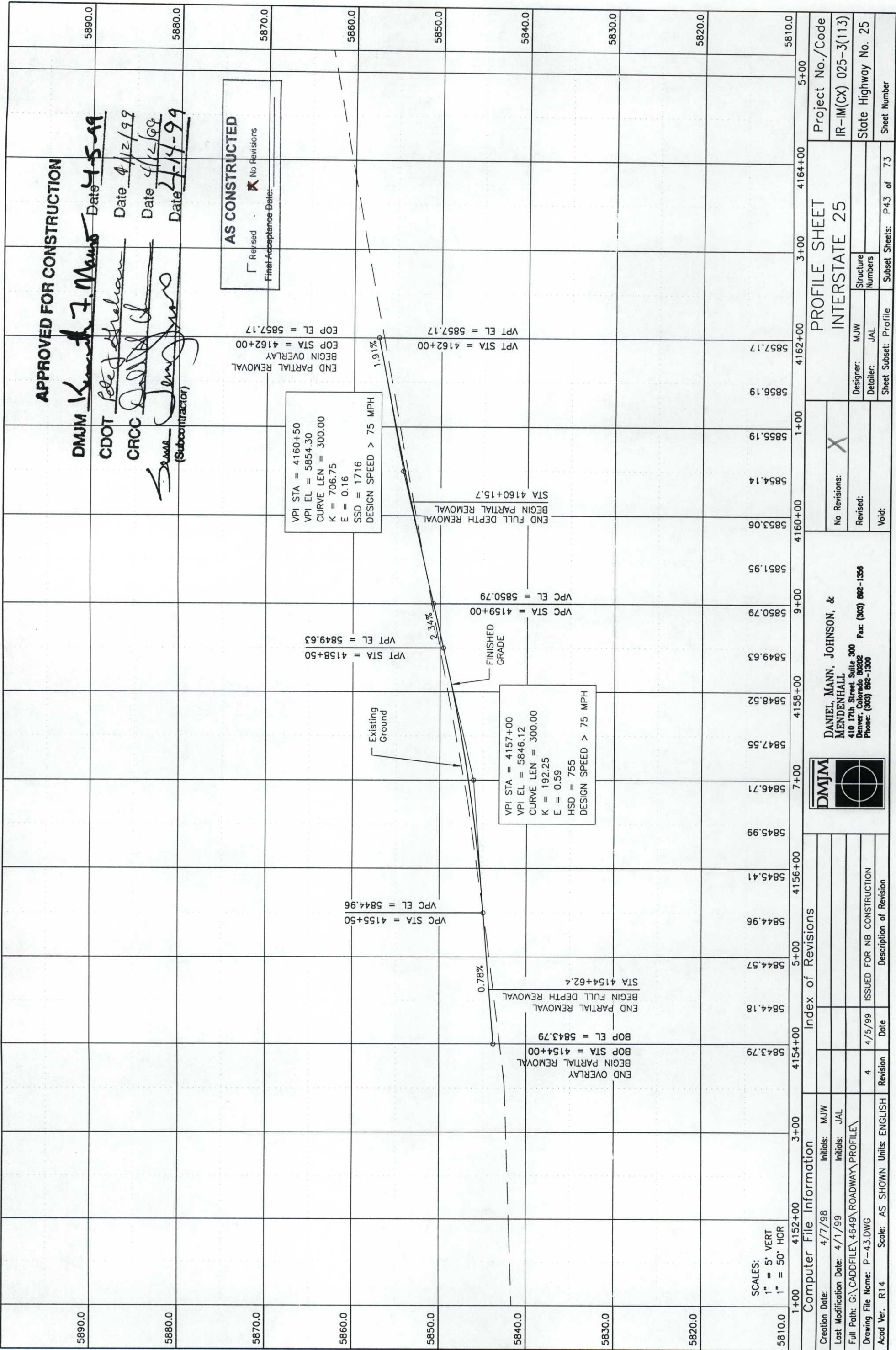
DMJM *[Signature]* Date 4-5-99
CDOT *[Signature]* Date 9/12/99
CRCC *[Signature]* Date 4/6/99
[Signature] Date _____
(Subcontractor)

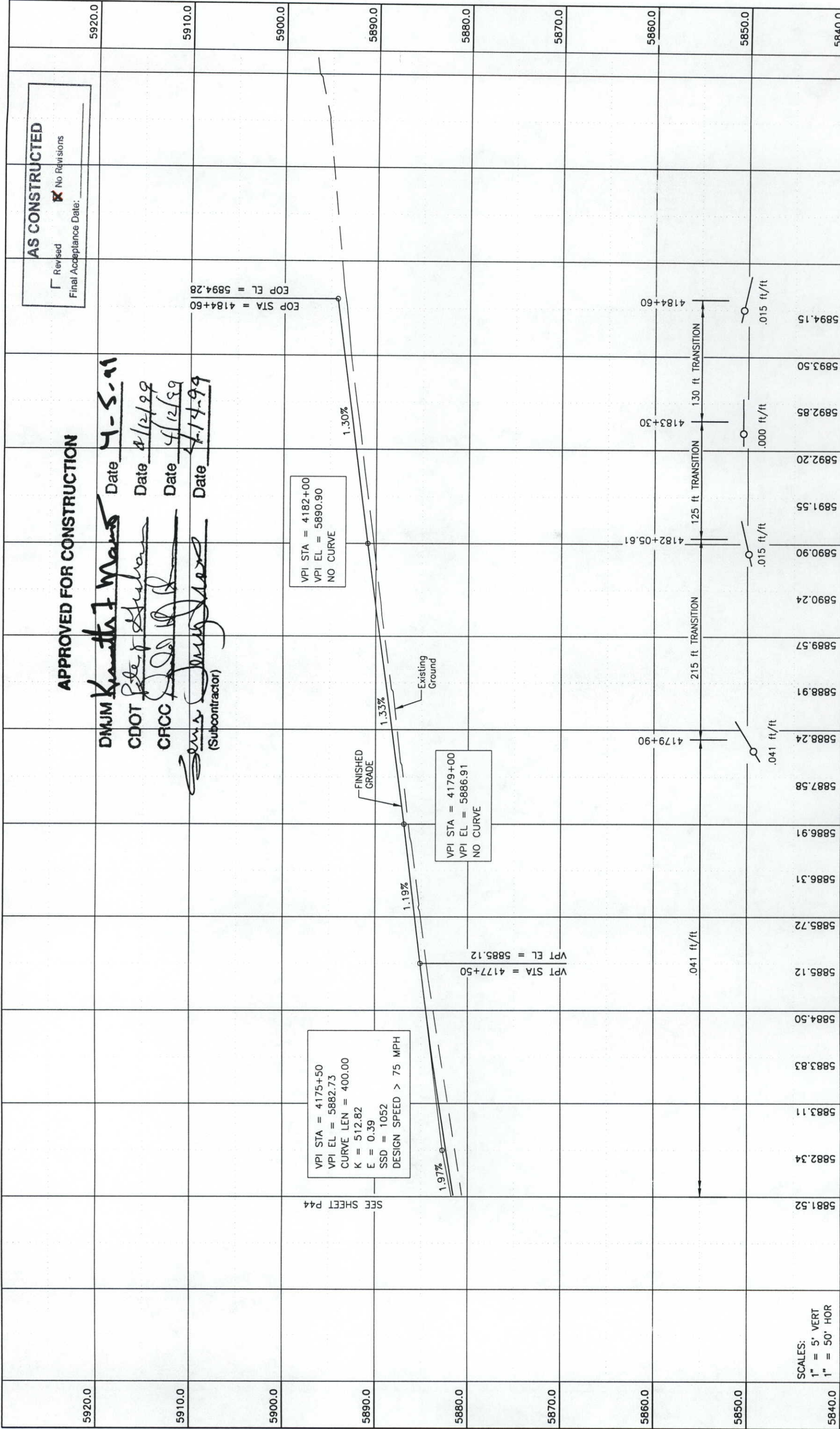
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						Detailer: JAL	
						Structure Numbers	
						Void:	



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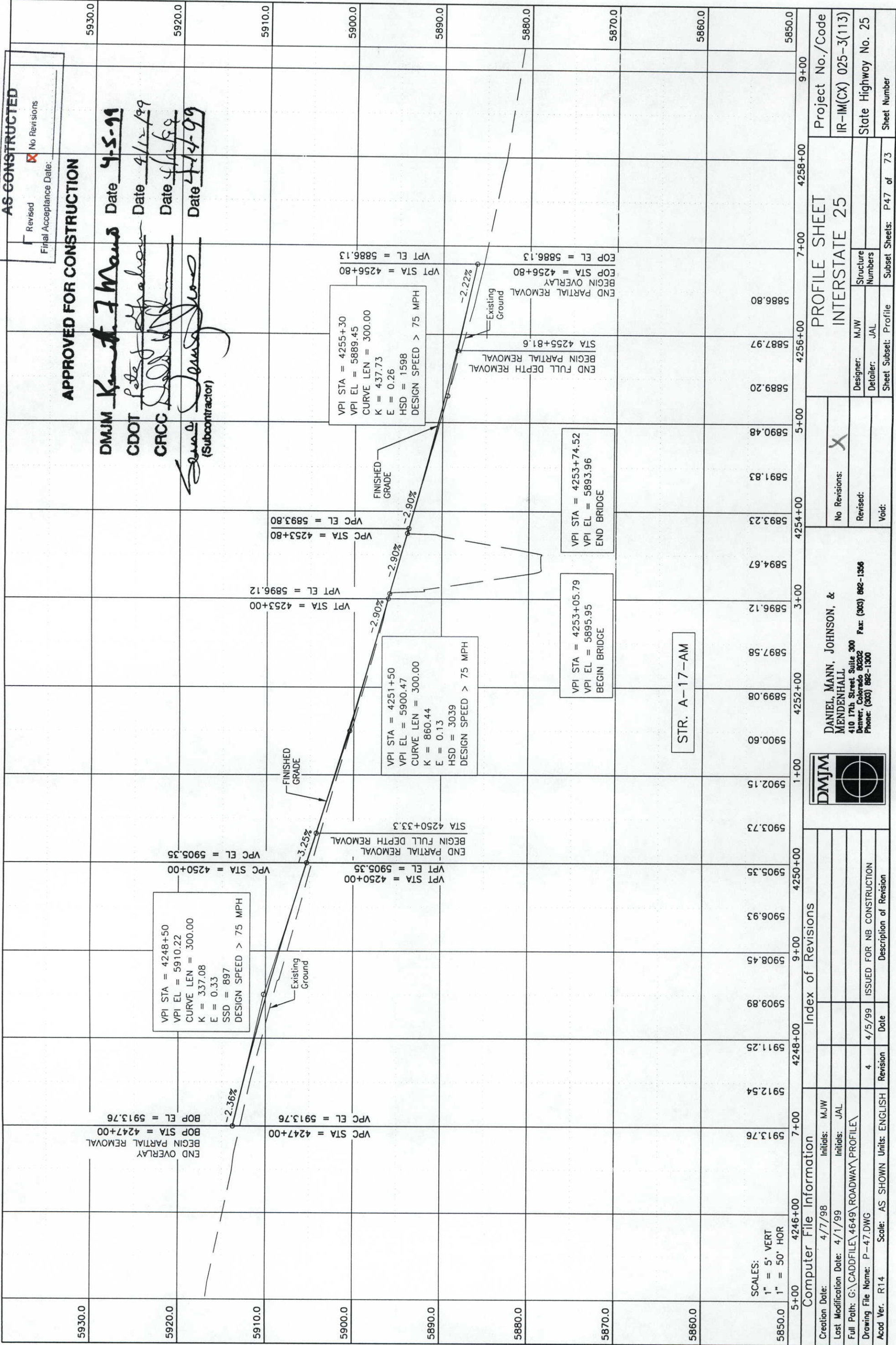


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						Revision		Date	Description of Revision		Subst: P45	of 73



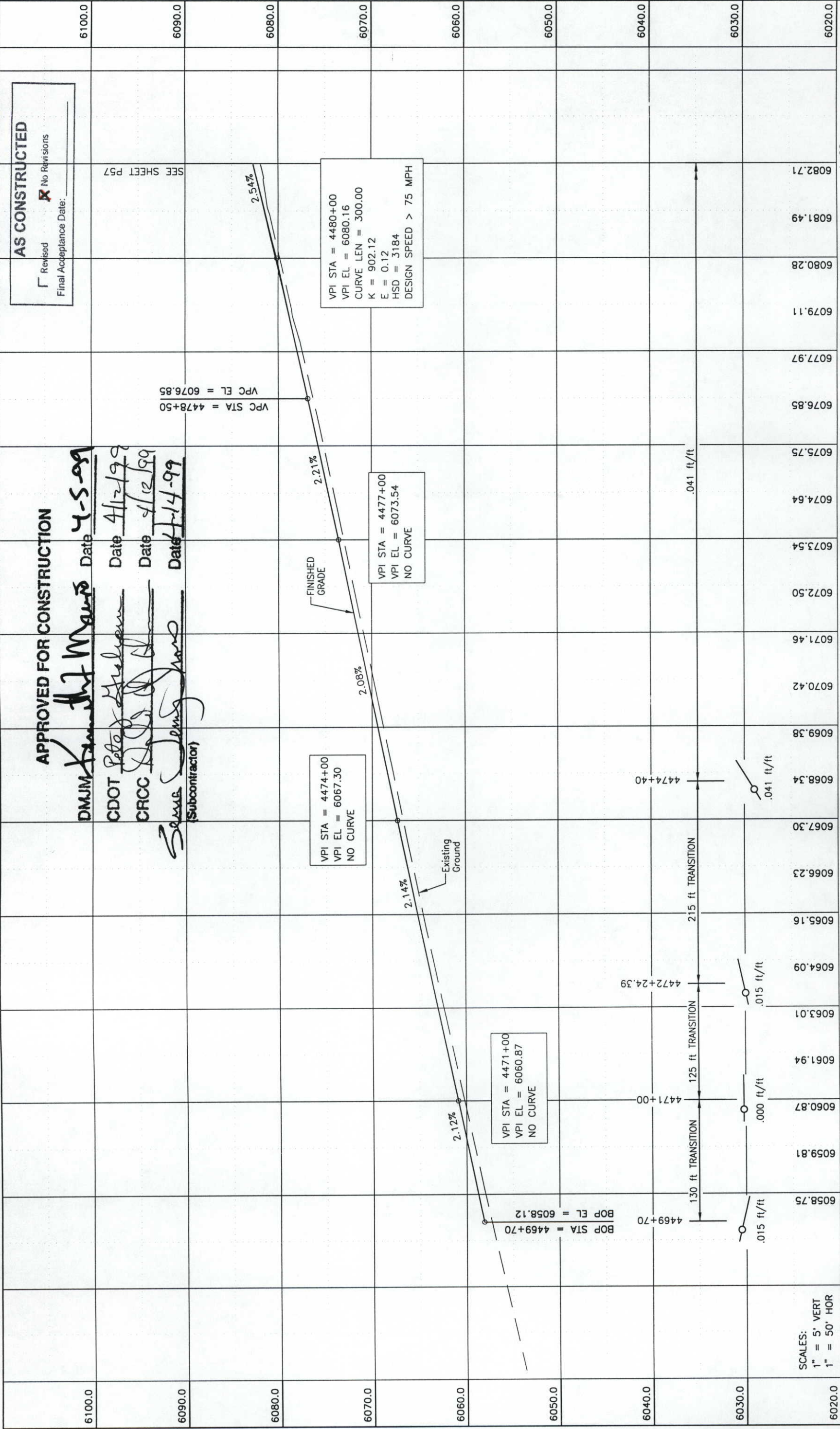
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MENDENHALL
410 17th Street Suite 300
Denver, Colorado 80202
Phone: (303) 882-1300
Fax: (303) 882-1356

5+00	4176+00	7+00	4178+00	9+00	4180+00	1+00	4182+00	3+00	4184+00	5+00	4186+00	7+00
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RCPR049 TITLEBLK

SCALES:
1" = 5
1" = 5



4468+00		9+00		4470+00		1+00		4472+00		3+00		4474+00		5+00		4476+00		7+00		4478+00		9+00		4480+00		1+00											
Computer File Information						Index of Revisions						DMJM DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street Suite 300 Denver, Colorado 80202 Phone: (303) 882-1300 Fax: (303) 882-1356																									
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☒ No Revisions

☐ Revised ☒ No Revisions

DMJM	Kenneth F. Mauds	Date	4-5-99
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CDOT ~~Rebecca~~ Rebecca Date 4/12/98

CRCC Singh B. K. Date 4/12/99

Date July 14-99

(Subcontractor)

VPI STA = 4485+10
VPI EL = 6093.11
CURVE LEN = 720.00
K = 336.50
E = 1.93
SSD = 669
DESIGN SPEED > 75 MPH

SEE SHEET P56

$$\begin{array}{r} \text{VPT STA} = 4488 + 70 \\ \text{VPT EL} = 6094.60 \end{array}$$

—FINISHED
GRADE

2.54%

-Existing
Ground

.041 ft/ft

215 ft TRANSITION

1	
---	--

TRANSITION

1

100

11.11.2015

SCALES:
1" = 5' VERT
1" = 50' HOR

Computer File Information			
Creation Date:	2/12/99	Initials:	MJW
Last Modification Date:	4/1/99	Initials:	JAL
Full Path:	G:\CADD\FILE\4649\ROADWAY\PROFILE\		
Drawing File Name:	P-57.DWG		
Acad Ver:	B14	Scale:	AS
Sheet No:	B14	Units:	ENGLISH

Index of Revisions		ISSUED FOR NB CONS	Description of
Date			

DMW

**DANIEL, MANN, JOHNSON, &
MENDENHALL**
410 17th Street Suite 300
Denver, Colorado 80202
Phone: (303) 862-1300
Fax: (303) 862-1356

No Revisions
Revised:
Void:

	X		
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Profile	UW	Structure Numbers	Subset Sheets:	P
	AL			

Project No./Code
IR-IM(CX) 025-3(113)
State Highway No. 25
Sheet Number

APPROVED FOR CONSTRUCTION

DMJM	<u>Kenneth F. Mans</u>	Date	<u>4-5-99</u>
CDOT	<u>Pete J. Graham</u>	Date	<u>4/12/99</u>
CRCC	<u>Pete J. Graham</u>	Date	<u>4/12/99</u>
Subcontractor	<u>Young & Rubicam</u>	Date	<u>4-14-99</u>

AS CONSTRUCTED

☐ Revised ☐ No Revisions

Final Acceptance Date:

REF 99-006 ROTOMILL EXISTING
JOINT 1/2" N.B. ONLY TO PREVENT
DETERIORATION @ JOINT

```
VPI STA = 4491+00
VPI EL = 6095.47
CURVE LEN = 300.00
K = 1394.05
E = 0.08
SSD = 3238
DESIGN SPEED > 75 MPH
```

END PROJECT NO. IR-IM(CX)025-3(113)

$$\begin{array}{r} \text{VPT STA} = 4492+50 \\ \text{VPT EL} = 6095.75 \end{array}$$
$$\begin{array}{r} \text{VPC STA} = 4489+50 \\ \text{VPC EL} = 6094.87 \end{array}$$
$$\begin{array}{r} \text{EOP STA} = 4493 + 50 \\ \text{EOP EL} = 6095.93 \end{array}$$

BOP STA = 4489+43	BOP EL = 6094.84
END CONCRETE OVERLAY	BEGIN HBP OVERLAY

END CONCRETE OVERLAY
BEGIN HBP OVERLAY

END HBP OVERLAY

SCALES:
1" = 5' VERT
1" = 50' HOR

Computer File Information	Index of Revisions
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Creation Date:	2/12/99	Initials:	MJW
Last Modification Date:	4/1/99	Initials:	JAL
Full Path: G:\CADD\FILE\4649\ROADWAY\PROFILE\			

Drawing File Name: P--58.DWG	4	4/5/99	ISSUED FOR NB CONSTRUCTION
Acord Ver R14	Scale: AS SHOWN	Units: ENGLISH	Description of Revision



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Denver, Colorado 80202
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Fax: (303) 892-1356

No Revision	Revised:	Void:
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PROFILE SHEET
INTERSTATE 25

Designer:	MJW
Detailer:	JAL
Sheet Subset: Profiles	

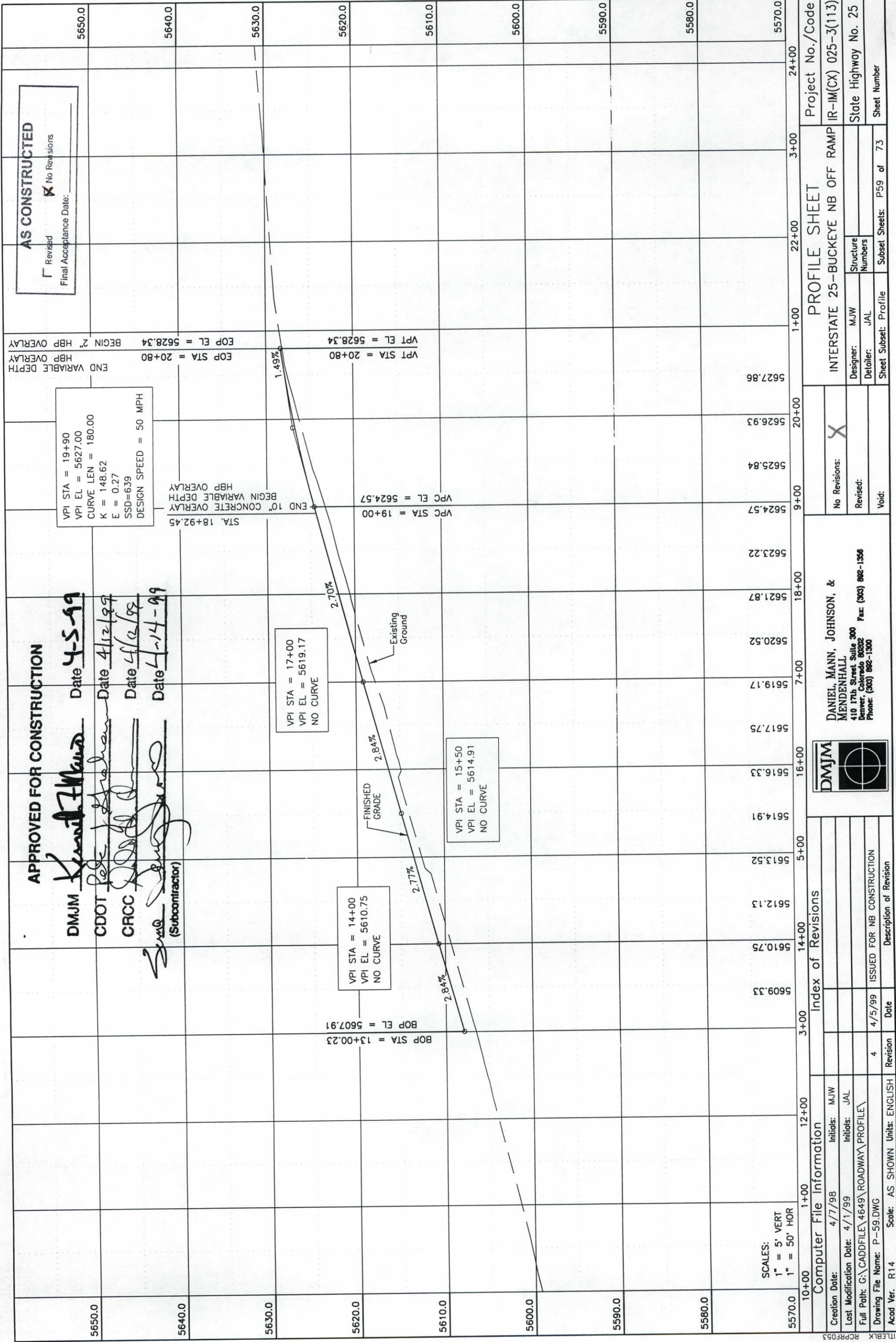
	Structure Numbers		Subset Sheets:	P58 of 73
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Project No./Code

IR-IM(CX) 025-3(113)

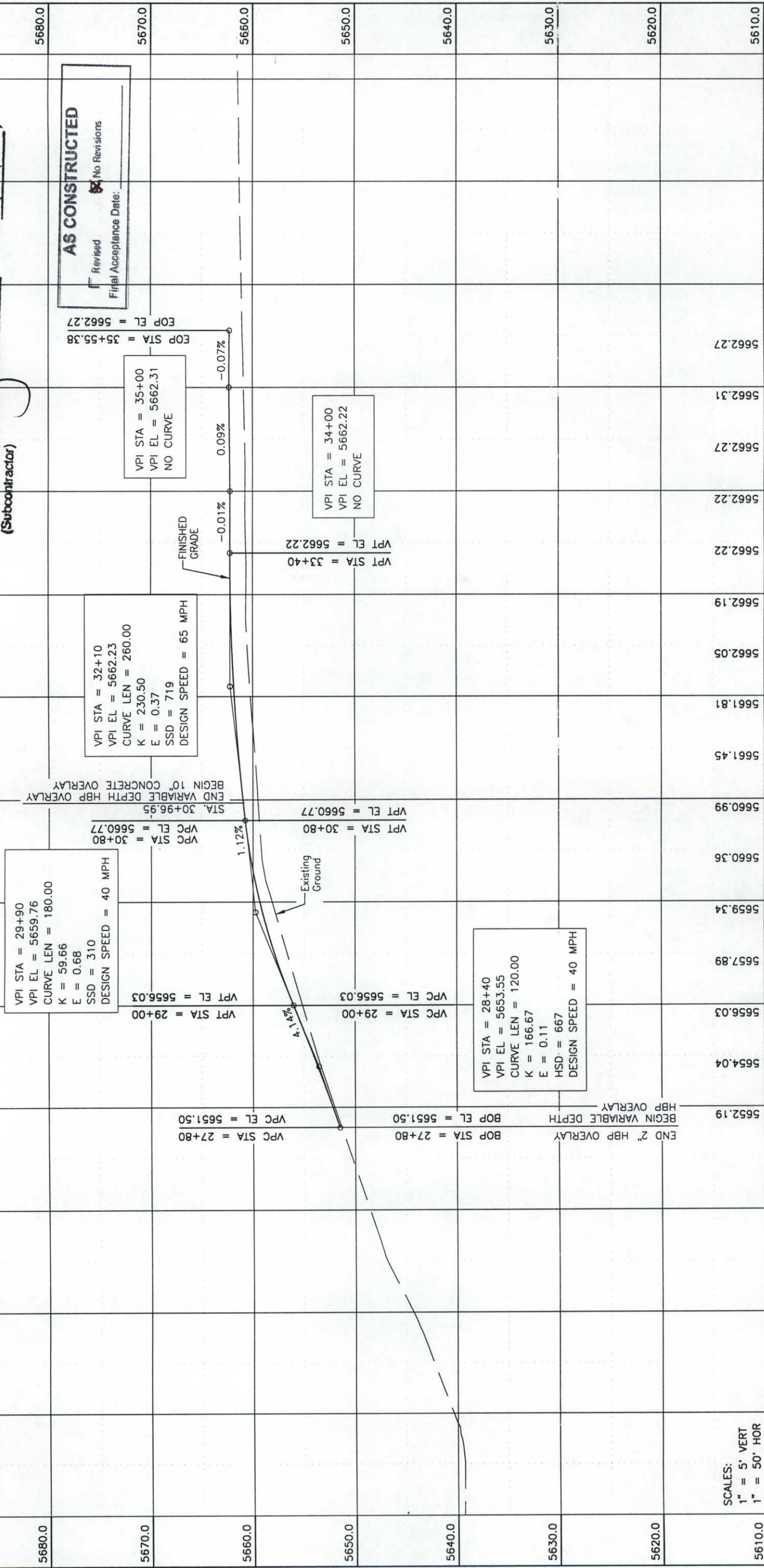
State Highway No. 25

Sheet Number

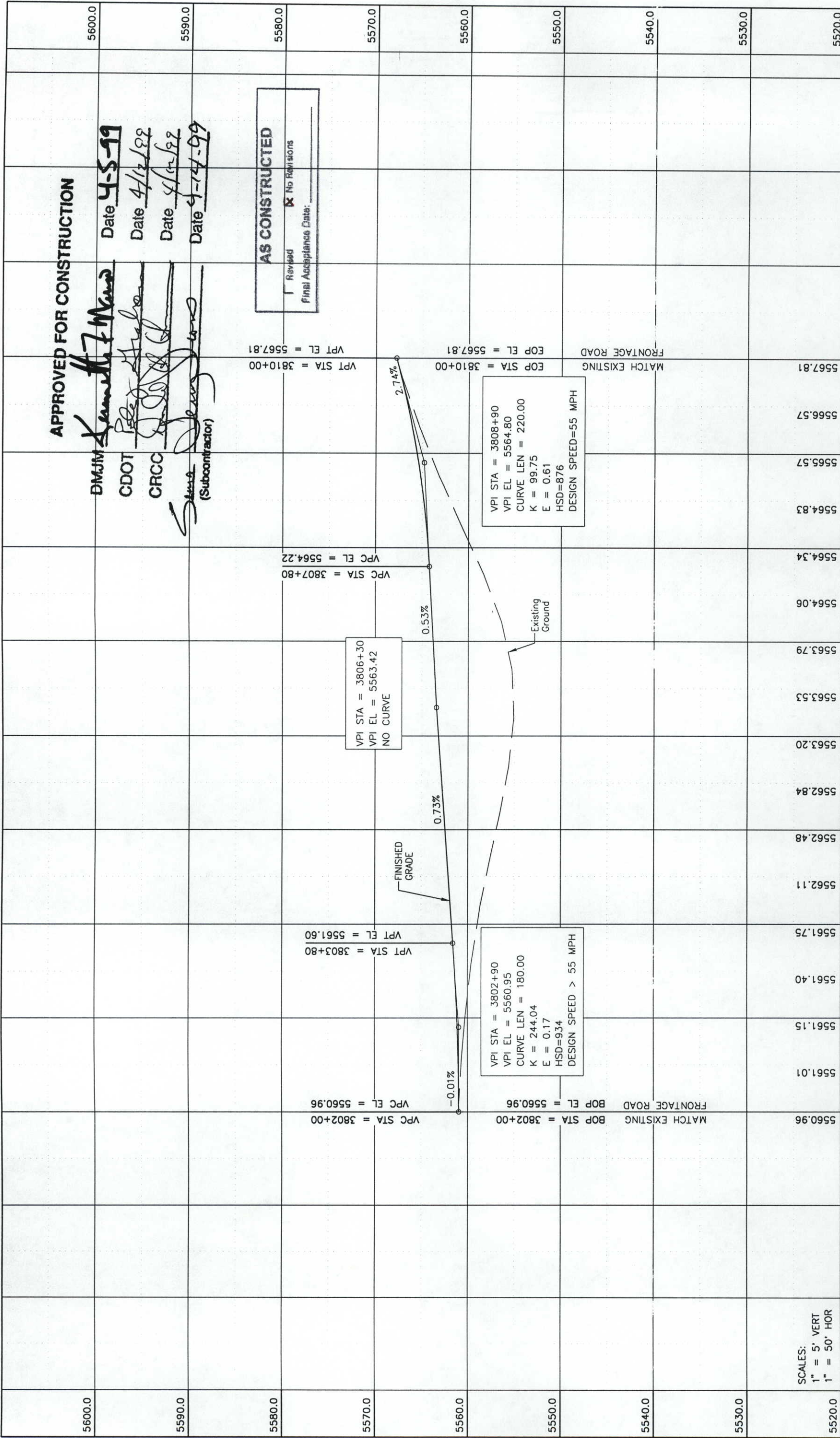


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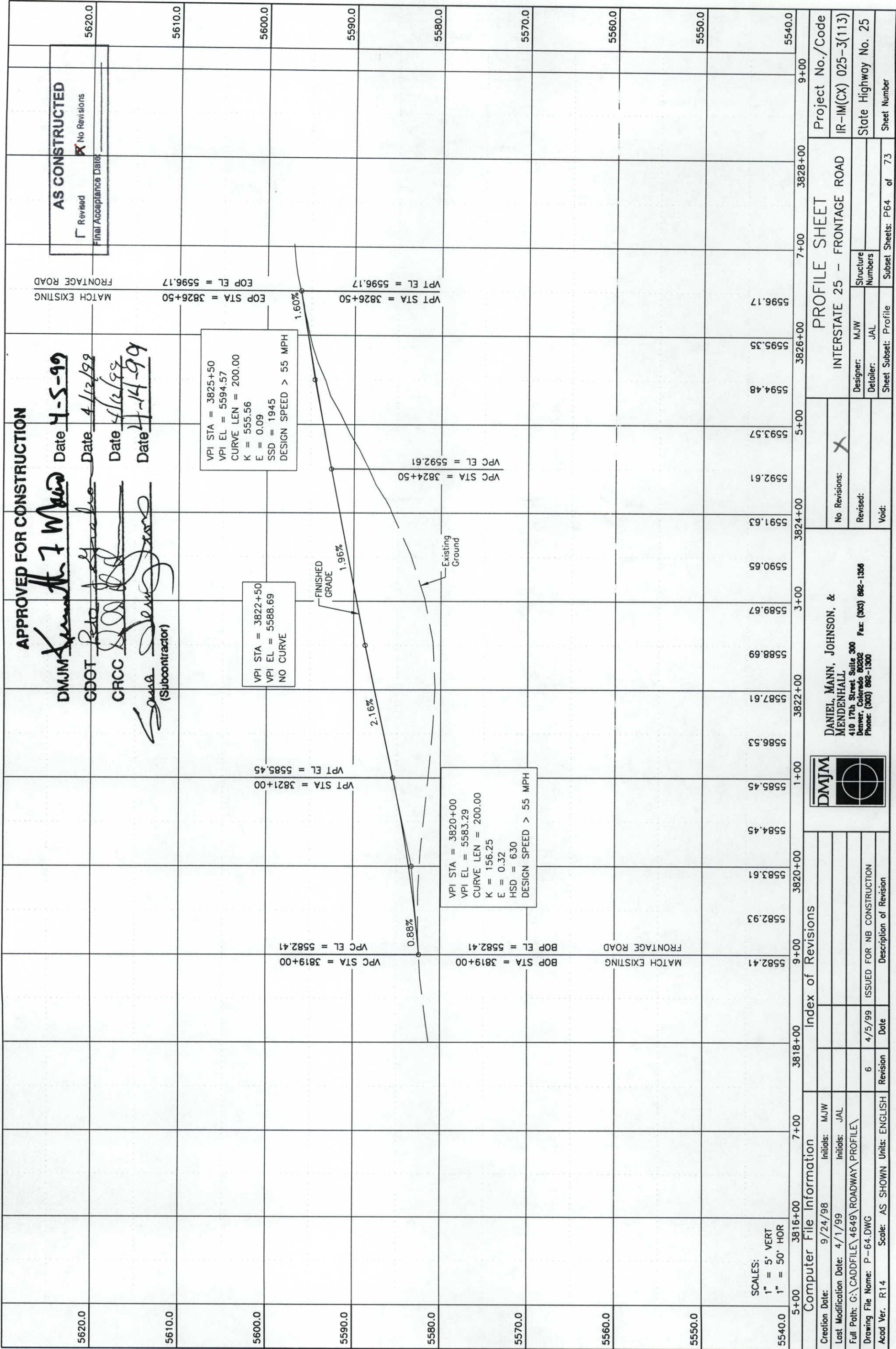
K = 59.66 E = 0.68 SSD = 310 DESIGN SPEED = 40 MPH	30+80 5660.77	PTH HBP OVERLAY VPI STA = 32+10 VPI EL = 5662.23 CURVE LEN = 260.00	35+55.38 = 5662.27
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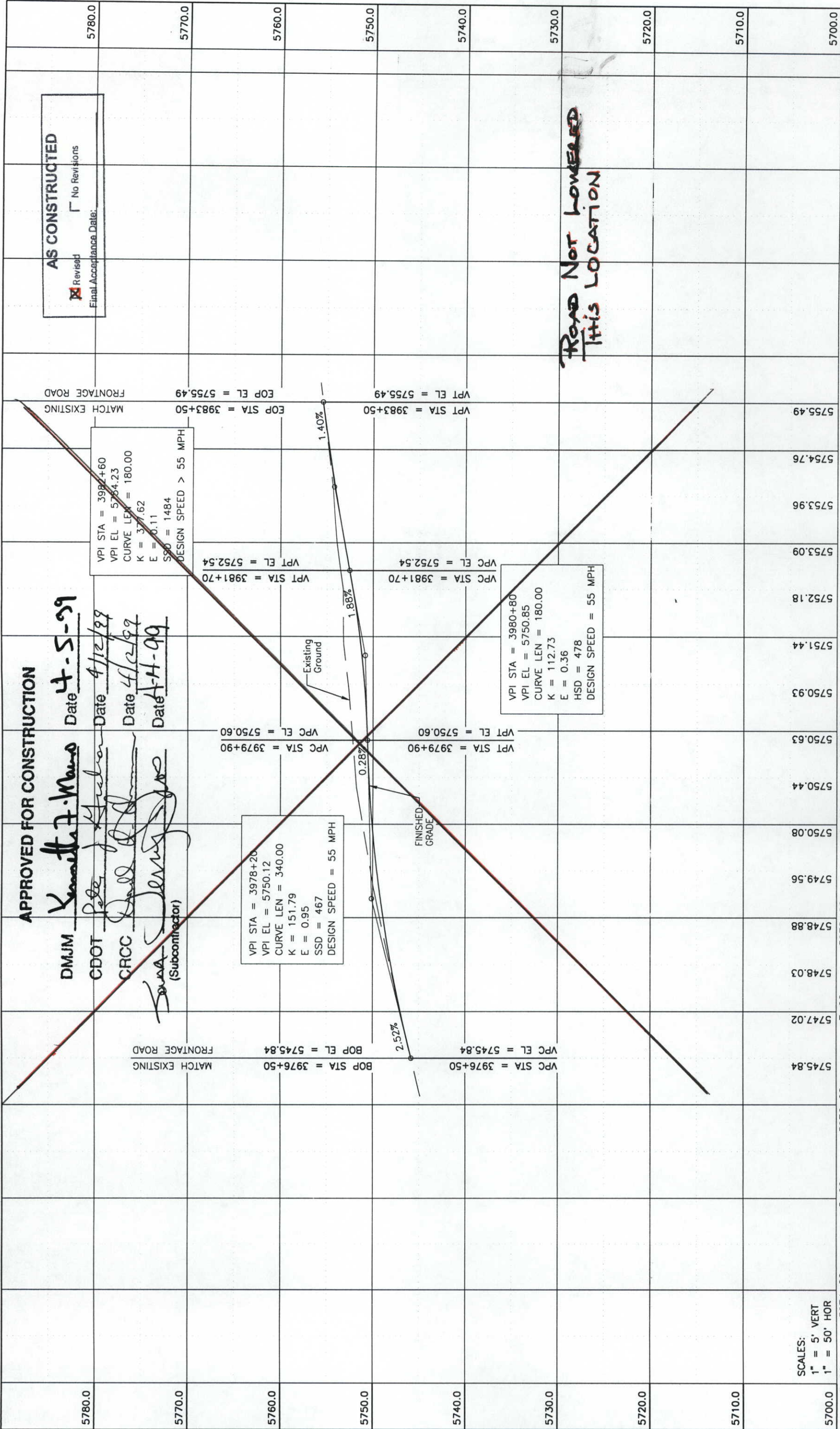


		DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street, Suite 300 Denver, Colorado 80202 Phone: (303) 882-1300 Fax: (303) 882-1356		PROFILE SHEET		Project No./Code	
Computer File Information		Index of Revisions		INTERSTATE 25-BUCKEYE NB ON RAMP		IR-IM(CX) 025-3(113)	
Creation Date:	4/7/98	Initials:	MJW	No Revisions:		Structure	
Last Modification Date:	4/1/99	Initials:	JAL	Revised:		Numbers	
Full Path:	G:\CADD\FILE\4649\ROADWAY\PROFILE\			Designer:		MJW	
Drawing File Name:	P-60.DWG			Detailer:		JAL	
Acad Ver.	R14	Scale:	AS SHOWN	Units:	ENGLISH	Sheet Subst:	
						Profile	
						Sheet Subst:	
						P60 of 73	
						Sheet Number	



Computer File Information				Index of Revisions		 DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street Suite 300 Denver, Colorado 80202 Phone: (303) 882-1300 Fax: (303) 882-1356	PROFILE SHEET				Project No./Code	
Creation Date:	9/24/98	Initials:	MJW				INTERSTATE 25 - FRONTAGE ROAD				IR-IM(CX) 025-3(113)	
Last Modification Date:	4/1/99	Initials:	JAL				No Revisions: X					
Full Path:	G:\CADD\FILE\4649\ROADWAY\PROFILE\						Revised:					
Drawing File Name:	P-63.DWG			6	4/5/99		Designer: MJW				Structure Numbers	
Acad Ver.	R14	Scale:	AS SHOWN	Units:	ENGLISH		Detailer: JAL					
						Void:				Sheet Subsets: Profile		Sheet Subsets: P63 of 73
										Sheet Number		





Computer File Information		Index of Revisions		No Revisions:		PROFILE SHEET		Project No./Code	
Creation Date:	11/16/98	Initials:	MJW			INTERSTATE 25 - FRONTAGE ROAD		IR-IM(CX) 025-3(113)	
Last Modification Date:	4/1/99	Initials:	JAL			Designer: MJW		Structure Numbers	
Full Path:	G:\CADD\FILE\4649\ROADWAY\PROFILE\					Detailer: JAL		State Highway No. 25	
Drawing File Name:	P-65.DWG			6	4/5/99	ISSUED FOR NB CONSTRUCTION		Sheet Subsets: P65 of 73	
Acad Ver.	R14	Scale:	AS SHOWN	Units:	ENGLISH	Void:		Sheet Number	

ROAD NOT LOWERED
THIS LOCATION

DMJM	<u>Kenneth M. Ward</u>	Date	<u>4-5-99</u>
CDOT	<u>Robert Graham</u>	Date	<u>4/12/99</u>
CRCC	<u>Robert Graham</u>	Date	<u>4/12/99</u>
<u>Seneca</u>	<u>James D. Ward</u>	Date	<u>4-14-99</u>
(Subcontractor)			

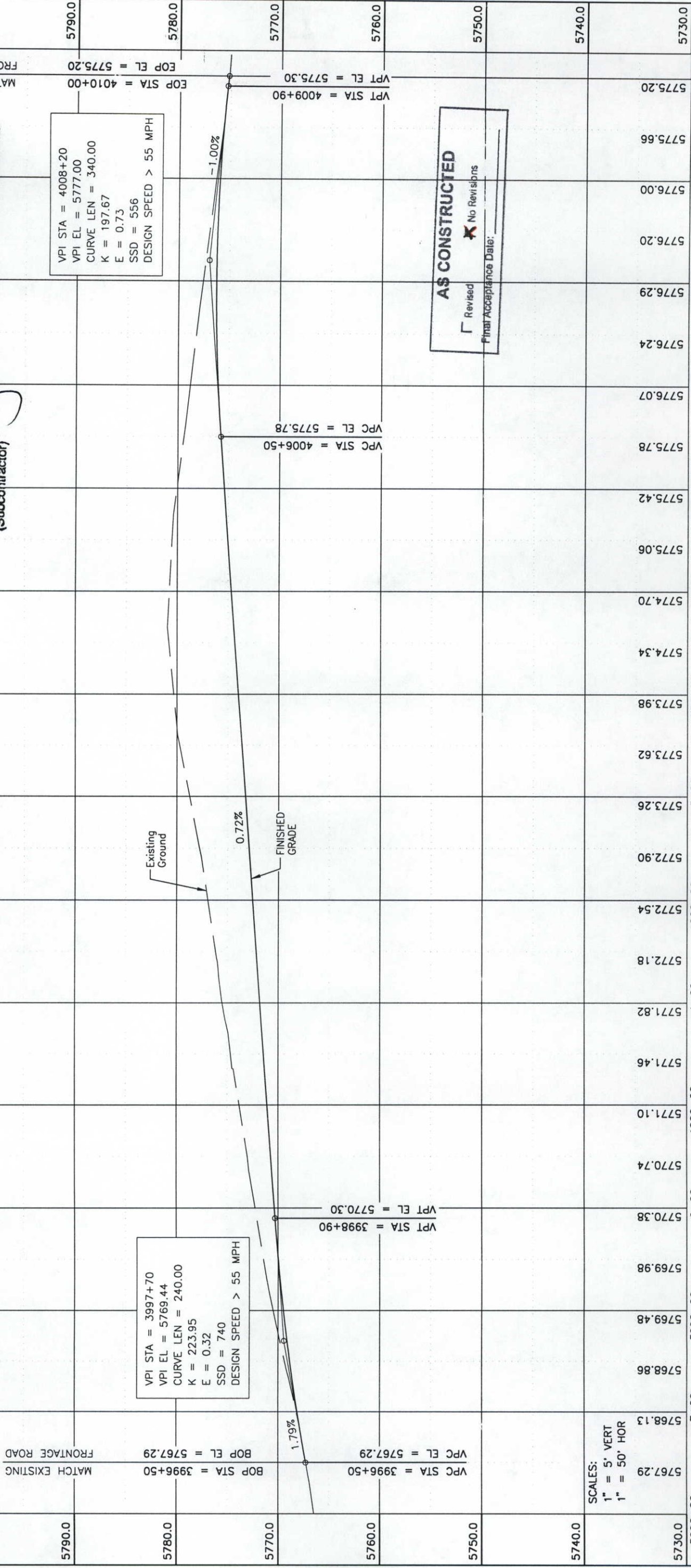
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VPI STA = 4008+20
VPI EL = 5777.00
CURVE LEN = 340.00
K = 197.67
E = 0.73
SSD = 556
DESIGN SPEED > 55 MPH
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```
VPI STA = 3997+70
VPI EL = 5769.44
CURVE LEN = 240.00
K = 223.95
E = 0.32
SSD = 740
DESIGN SPEED > 55 MPH
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AS CONSTRUCTED

☐ Revised ☒ No Revisions

Final Acceptance Date: _____



Computer File Information				Index of Revisions				DMJM DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street Suite 300 Denver, Colorado 80202 Phone: (303) 682-1300 Fax: (303) 682-1356				No Revisions: X				Project No./Code					
Creation Date:	12/11/98	Initials:	MJW						INTERSTATE 25 - FRONTAGE ROAD				IR-IM(CX) 025-3(113)								
Last Modification Date:	4/1/99	Initials:	JAL						Revised:				State Highway No. 25								
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Drawing File Name:	P-66.DWG							Void:				State Highway No. 25									
Acad Ver.	R14	Scale:	AS SHOWN	Units:	ENGLISH	Revision	6	Date	4/5/99	ISSUED FOR NB CONSTRUCTION				State Highway No. 25							
										Description of Revision				Sheet Number							
														Sheet Subst: Profile				Subset Sheets: P66 of 73			
														Designer: MJW				Structure Numbers			
														Detailer: JAL							
														Sheet Subst: Profile				Sheet Number			

DMJM	<u>Kenneth M. Davis</u>	Date	<u>4-12-99</u>
CDOT	<u>Greg Johnson</u>	Date	<u>4/12/99</u>
CRCC	<u>Bob Johnson</u>	Date	<u>4/12/99</u>
<u>Sema</u>	<u>James Davis</u>	Date	<u>4/14/99</u>
(Subcontractor)			

Revised ☐ No Revisions ☐

Final Acceptance Date:

SCALES:
1" = 5' VERT
1" = 50' HOR

Index of Revisions

Computer File Information

Creation Date:	9/24/98	Initials:	MJW
Last Modification Date:	4/1/99	Initials:	JAL
Full Path:	G:\CADD\FILE\4649\ROADWAY\PROFILE\		
Drawing File Name:	P-67.DWG		
Acad Ver.	R14	Scale:	AS SHOWN
		Units:	ENGLISH



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Fax: (303) 892-1300

Fax: (303) 692-1356

No Revisions:

Deviced:

Designer:	MJW
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Detailer: JAL

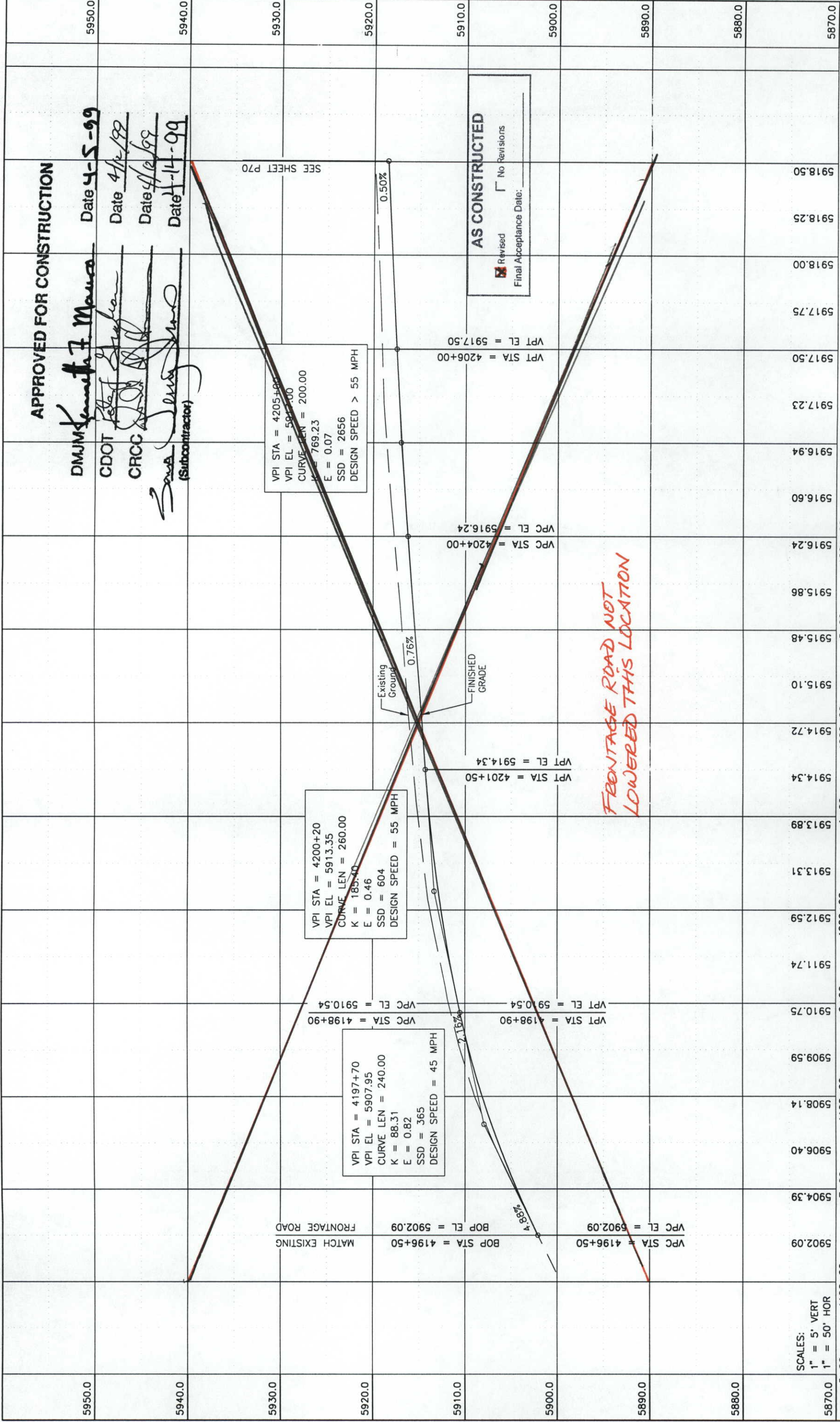
Sheet Subset: Profile	Subset Sheets: P67 of 73
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PROFILE SHEET

INTERSTATE 25 - FRONTAGE ROAD

Structure	Numbers
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73



APPROVED FOR CONSTRUCTION

DMJM Kenneth F. Maurer Date 4-5-99
CDOT Robert Graham Date 4/6/99
CRCC David J. Smith Date 4/6/99
Sara Long (Subcontractor) Date 4-14-99

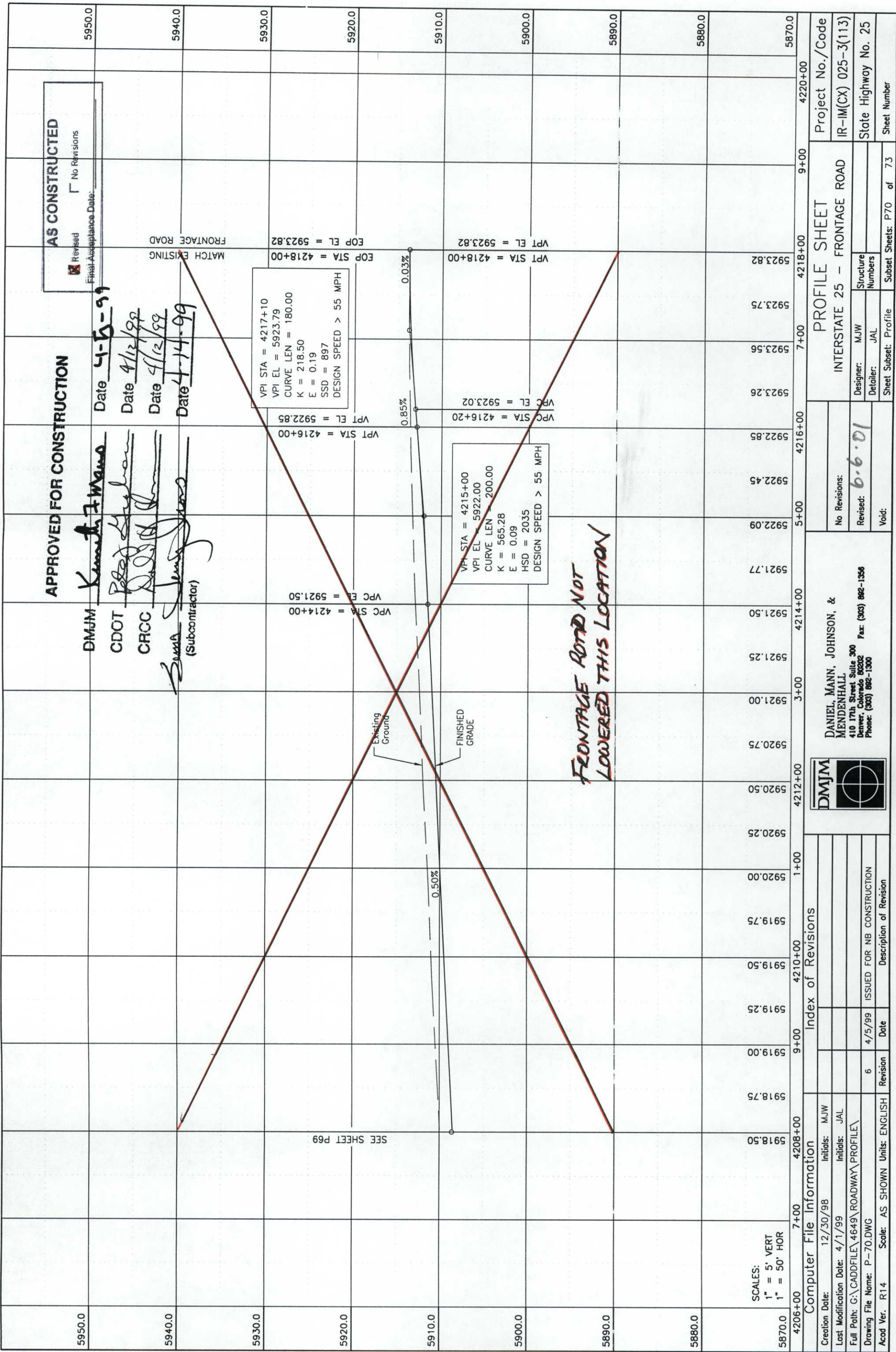
VPI STA = 4205+00
VPI EL = 5917.00
CURVE LEN = 200.00
K = 769.23
E = 0.07
SSD = 2656
DESIGN SPEED > 55 MPH

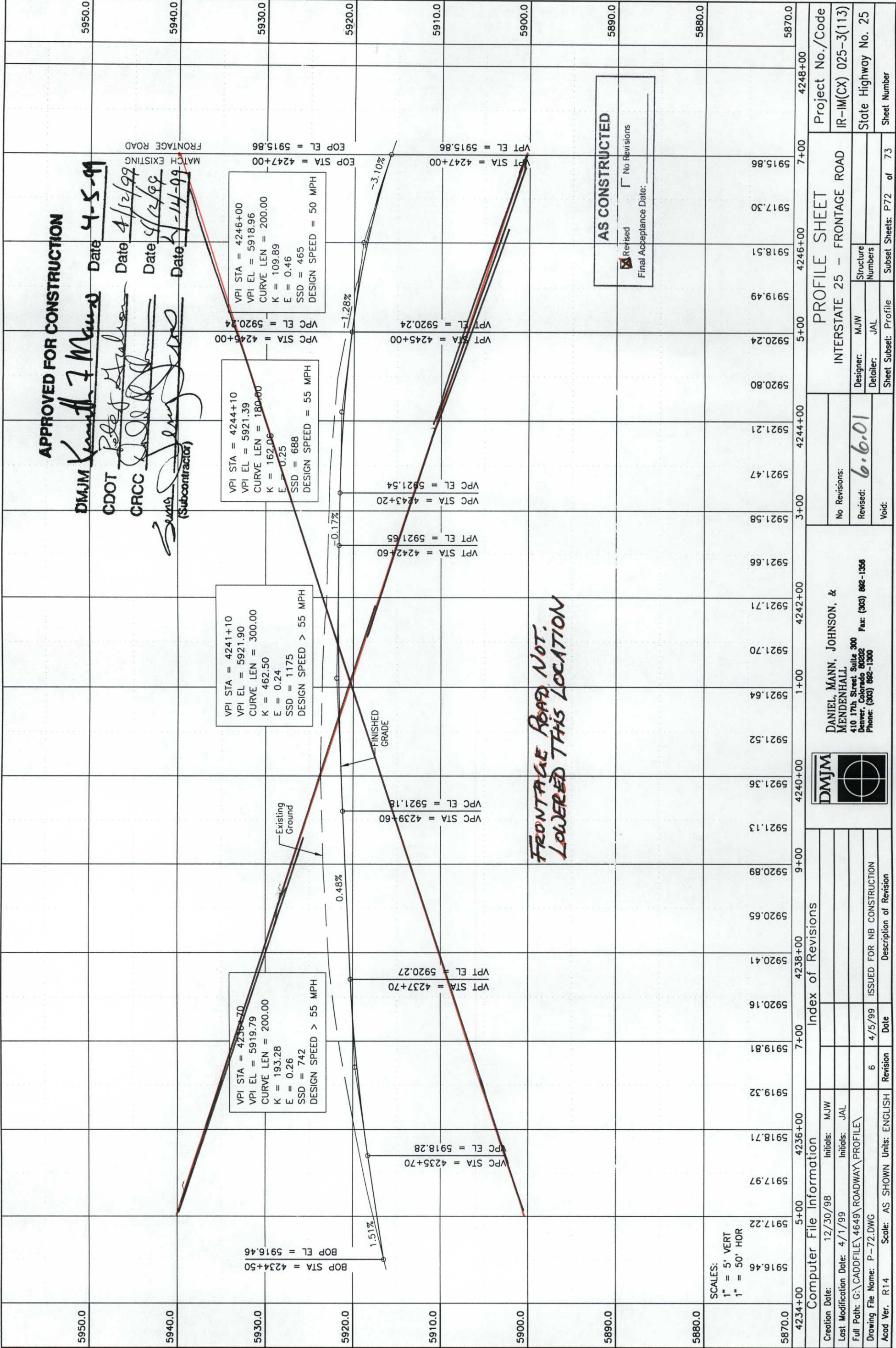
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VPI EL = 5913.35
CURVE LEN = 260.00
K = 183.40
E = 0.46
SSD = 604
DESIGN SPEED = 55 MPH

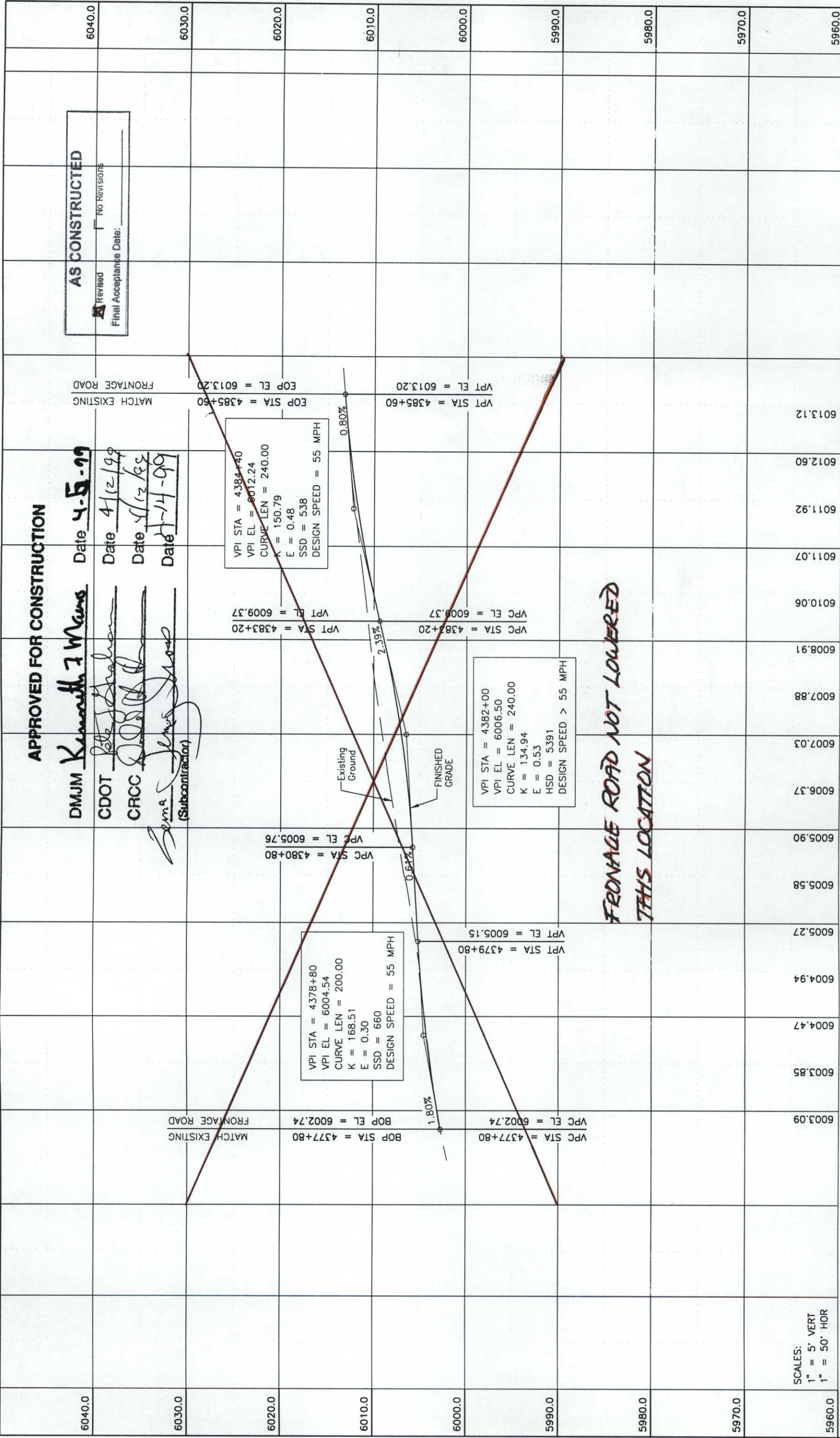
VPI STA = 4197+70
VPI EL = 5907.95
CURVE LEN = 240.00
K = 88.31
E = 0.82
SSD = 365
DESIGN SPEED = 45 MPH

AS CONSTRUCTED
Revised ☒ No Revisions ☐
Final Acceptance Date: _____

Computer File Information										Index of Revisions				DMJM  DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street Suite 300 Denver, Colorado 80202 Phone: (303) 882-1300 Fax: (303) 882-1356										PROFILE SHEET										Project No./Code	
Creation Date:		12/30/98		Initials:		MJW										No Revisions:		INTERSTATE 25 - FRONTAGE ROAD		IR-IM(CX) 025-3(113)															
Last Modification Date:		4/1/99		Initials:		JAL																													
Full Path:		G:\CADD\FILE\4649\ROADWAY\PROFILE\																																	
Drawing File Name:		P-69.DWG								6		4/5/99		ISSUED FOR NB CONSTRUCTION		Revised:		Designer: MJW		Structure Numbers															
																Void:		Detailer: JAL																	
Acad Ver.		R14		Scale:		AS SHOWN		Units:		ENGLISH								Sheet Subset: Profile		Sheet Number															
																		Sheet Subsets: P69 of 73		73															







Computer File Information		Index of Revisions		DMJM		DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street Suite 300 Denver, Colorado 80202 Phone: (303) 882-1300 Fax: (303) 882-1356		No Revisions:		PROFILE SHEET		Project No./Code	
Creation Date:	12/30/98	Initials:	MJW								INTERSTATE 25 - FRONTAGE ROAD		IR-IM(CX) 025-3(113)
Last Modification Date:	4/1/99	Initials:	JAL										State Highway No. 25
Full Path:	G:\CADD\FILE\4649\ROADWAY\PROFILE\												Structure Numbers
Drawing File Name:	P-73.DWG												Sheet Number
Acad Ver.	R14	Scale:	AS SHOWN	Units:	ENGLISH								Sheet Subst: P73 of 73

AS CONSTRUCTED		Revised		Final Acceptance Date:	
☒		☐			

APPROVED FOR CONSTRUCTION

DMJM Kenneth J Mann Date 4-5-99
CDOT Date 4/12/99
CRCC Date 4/12/99
Sema Jema Jema (Subcontractor) Date 4-14-99

FEDORAGE ROAD NOT LOWERED
THIS LOCATION

BRIDGE STRUCTURE SUMMARY OF FINAL QUANTITIES¹

Item No.	Description	Unit	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. No.	Str. 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- Notes: 1 Quantities based upon engineer's estimate.
2 Refer to the TABULATION OF PAVEMENT DRAIN FINAL QUANTITIES for quantities.
3 Refer to the TABULATION OF GUARDRAIL FINAL QUANTITIES for quantities.
4 Refer to the TABULATION OF PAVEMENT DRAIN FINAL QUANTITIES for quantities.

Computer File Information			Index of Revisions			Colorado Department of Transportation			SUMMARY OF BRIDGE QUANTITIES			Project No./Code	
Creation Date:	Initials:						4201 East Arkansas Avenue, Room 330 Denver, Colorado 80222-3400 Phone: 303-757-9352 FAX: 303-757-9197		No Revisions: ☒	Designer:	Structure Numbers	IR-IM(CX) 025-3(113)	
Last Modification Date:	Initials:											State Highway No. 25	
Full Path:												Sheet Number	
Drawing File Name:	Scale:	Units:	Revision	Date	Description of Revision							S 5AX	
Acad Ver.									Void:	Sheet Subset:	Subest Sheets:	of	

GENERAL NOTES

ALL LABOR AND MATERIALS TO COMPLETE THE WORK REQUIRED AND SHOWN IN THESE PLANS SHALL BE INCLUDED IN THE LUMP SUM BID.

EXPANSION JOINT MATERIAL SHALL MEET AASHTO SPECIFICATION M-213.

GRADE 60 REINFORCING STEEL IS REQUIRED.

ALL REINFORCING STEEL SHALL BE EPOXY COATED UNLESS OTHERWISE NOTED.

THE FOLLOWING TABLE GIVES THE MINIMUM LAP SPlice LENGTH FOR EPOXY COATED REINFORCING BARS PLACED IN ACCORDANCE WITH SUBSECTION 602.06. THESE SPlice LENGTHS SHALL BE INCREASED BY 25% FOR BARS SPACED AT LESS THAN 6" ON CENTER.

BAR SIZE	#4	#5	#6	#7	#8	#9	#10	#11
SPlice LENGTH FOR CLASS D CONCRETE	1'-3"	1'-6"	1'-10"	2'-2"	3'-8"	4'-8"	5'-11"	7'-3"

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION.

DETAILS FOR THE EXISTING STRUCTURES MAY BE FOUND IN THE PROJECT PLANS: 1 25-3(32) 283 AND FRI (CX) 025-3(114)

THE CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS IN THE FIELD BEFORE ORDERING OR FABRICATING ANY MATERIAL.

THE DETAILS PROVIDED ARE CONCEPTUAL AND FOR INFORMATION ONLY. DIMENSIONS MAY BE ADJUSTED AND DETAILS MODIFIED TO FIT SPECIFIC CONDITIONS WITH THE APPROVAL OF THE ENGINEER.

INDEX OF DRAWINGS

DWG. NO. S 5	BRIDGE SCOPE OF WORK
DWG. NO. S 6	GENERAL INFORMATION
DWG. NO. S 7	TYPICAL ABUTMENT CORBEL DETAILS
DWG. NO. S 8	TYPICAL APPROACH SLAB DETAILS (SOUTH BOUND)
DWG. NO. S 9	TYPICAL APPROACH SLAB DETAILS (NORTH BOUND)
DWG. NO. S 10	CARRI BRIDGE APPROACH SLAB DETAILS
DWG. NO. S 11	TYPICAL ROADWAY EXPANSION DEVICE DETAILS
DWG. NO. S 12	TYPICAL CONCRETE DECK REPAIR DETAILS CONCRETE GIRDER
DWG. NO. S 13	TYPICAL THRIE BEAM CONNECTION TO EXISTING BRIDGE RAIL TYPE 10
DWG. NO. S 14	TYPICAL THRIE BEAM CONNECTION TO EXISTING BRIDGE RAIL TYPE 10
DWG. NO. S 15	APPROACH SLAB DRAIN DETAILS
DWG. NO. S 16	PLAN STRUCTURES A-17-AA&AB
DWG. NO. S 17	PLAN STRUCTURES A-17-AE&AF
DWG. NO. S 18	PLAN STRUCTURES A-17-AG&AH
DWG. NO. S 19	PLAN STRUCTURES A-17-AI&AJ
DWG. NO. S 20	PLAN STRUCTURE A-17-Z
DWG. NO. S 21	PLAN STRUCTURES A-17-AK&AL
DWG. NO. S 22	PLAN STRUCTURES A-17-AM&AN
DWG. NO. S 23	PLAN STRUCTURES A-17-AC&AD
DWG. NO. S 24	PLAN STRUCTURES A-17-AO&AP
DWG. NO. S 25	PLAN STRUCTURES A-17-Q&U

AS CONSTRUCTED

Revised No Revisions
Final Acceptance Date:

APPROVED FOR CONSTRUCTION

DMJM	<i>[Signature]</i>	Date 3-30-99
CDOT	<i>[Signature]</i>	Date 4/12/99
CRCC	<i>[Signature]</i>	Date 4/12/99
	<i>[Signature]</i> (Subcontractor)	Date 4/14/99

DESIGN DATA

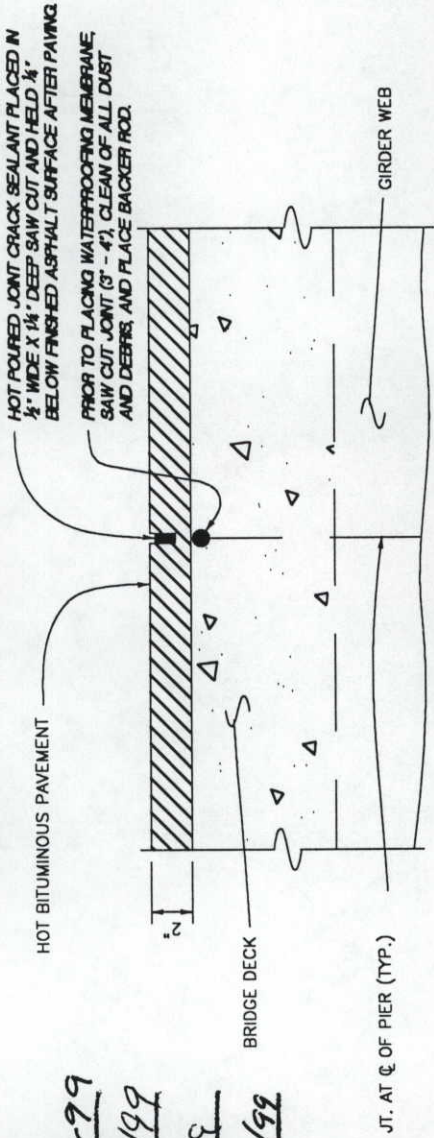
AASHTO, 16th EDITION.

DESIGN METHOD: LOAD FACTOR DESIGN.

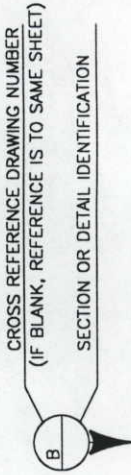
LIVE LOAD: AASHTO HS-25-44 AND ALTERNATE MILITARY LOADING
DEAD LOAD: ASSUMES 24 LBS. PER SQ. FT. FOR FUTURE BITUMINOUS PAVEMENT

REINFORCED CONCRETE:

CLASS D CONCRETE: f'c = 4,500 psi
REINFORCING STEEL: fy = 60,000 psi



SAWING AND SEALING ASPHALT DETAIL



DANIEL, MANN, JOHNSON, &
MENDENHALL
410 17th Street Suite 300
Denver, Colorado 80202
Phone: (303) 892-1300 Fax: (303) 892-1356

Computer File Information		Index of Revisions			
Creation Date:	2/25/98	Initials:	RMH	4	3/07/99 REVISION AS NOTED IN BOLD
Last Modification Date:	03/07/99	Initials:	JHW	3	5/12/98 ISSUED FOR CONSTRUCTION
Full Path:	N:\4649\BR-DET\			2	5/05/98 ISSUED FOR FINAL CDOT REVIEW
Drawing File Name:	25sn03.dwg			1	4/16/98 ISSUED FOR CDOT REVIEW
Acad Ver.	14	Units:	ENGLISH	Revision	Date
				Description of Revision	

AS CONSTRUCTED		GENERAL INFORMATION		Project No./Code	
No Revisions:	X			IR-IM(CX)	025-3(113)
Revised:		Designer:	GIS	State Highway No.	25
Void:		Detailer:	RMH	Sheet	Number
		Sheet Subset:	BRIDGE	Subset Sheets:	56 of 25

Final Acceptance Date:

11:06 XREF - TITLEBLK

AS CONSTRUCTED

Revised ☒ No Revisions ☐
Final Acceptance Date: _____

NOTES:

CONCRETE CLASS D (BRIDGE) SHALL BE USED FOR APPROACH SLABS.

1/2" EXPANSION JOINT MATERIAL SHALL MEET A.A.S.H.T.O. SPEC. M213.

THE EXPANSION JOINT SYSTEM SHALL INCLUDE ALL LABOR AND MATERIALS TO INSTALL THE EXPANSION JOINT ACCORDING TO THE MANUFACTURER'S DIRECTIONS AND ACCORDING TO THESE PLANS.

THE BACKER ROD SHALL BE SECURED AND SEALED ACCORDING TO THE MANUFACTURER'S DIRECTIONS.

THE COVER PLATE SHALL BE THE SIZE AND TYPE RECOMMENDED BY THE MANUFACTURER AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS.

THE JOINT BONDING AGENT SHALL BE THE TYPE RECOMMENDED BY THE MANUFACTURER FOR THE JOINT SYSTEM BEING INSTALLED. IT SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

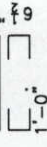
ALL SURFACES IN JOINT OPENING SHALL BE CLEANED ACCORDING TO THE MANUFACTURER'S DIRECTIONS.

THE JOINTS SHALL BE INSTALLED AND COMPACTED ACCORDING TO THE MANUFACTURER'S PROCEDURES.

THE FINISHED JOINT, AFTER COMPACTING, SHALL BE FLUSH WITH THE TOP OF THE ADJACENT ASPHALT SURFACE.

A REPRESENTATIVE OF THE MANUFACTURER SHALL BE ON SITE PRIOR TO INSTALLING THE EXPANSION JOINTS AND SHALL APPROVE THE METHODS AND MATERIALS BEFORE WORK COMMENCES.

SEE SPECIAL PROVISIONS FOR BRIDGE EXPANSION DEVICE (0'-2" INCH).

CONTRACTOR MAY USE 

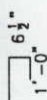
① FOR STRUCTURE NO. A-D-2 SLEEPER DETAIL, SEE SHEET SB

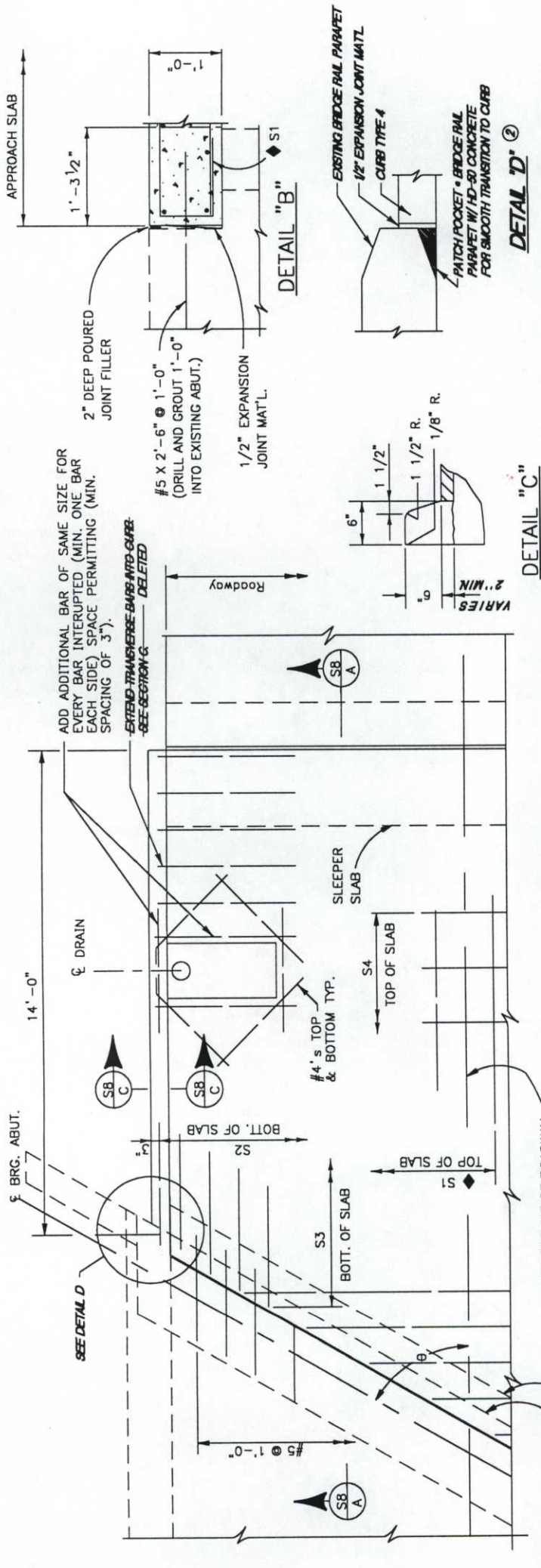
② MODIFY IN ACCORDANCE WITH NORTH BOUND DETAIL 'D' AS SHOWN ON SHEET SB

PROPOSED DEVICE MANUFACTURER

PAVETECH INTERNATIONAL INC. (D.S. BROWN), MATRIX 502

STRUCTURE NUMBER	θ	S1 *	S2	S3	S4
A-D-2A	75° 21' 30"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2B	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2C	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2D	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2E	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2F	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2G	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2H	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2I	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2J	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2K	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2L	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2M	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2N	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2O	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2P	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2Q	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2R	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2S	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2T	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2U	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2V	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2W	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2X	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2Y	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"
A-D-2Z	90° 00' 00"	140' 1" - 6"	1906' 150' 1" - 0"	140' 1" - 6"	140' 1" - 6"

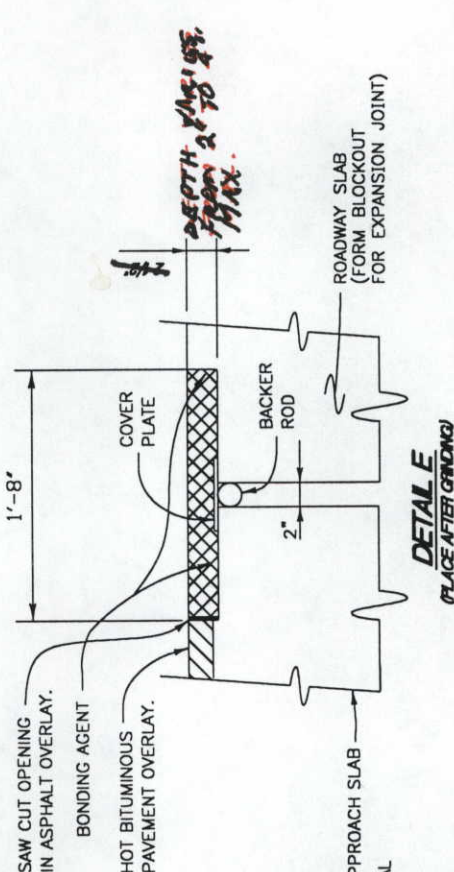
*  1'-0"
† STRUCTURE NOS. HAVE BEEN MODIFIED FROM PREVIOUS SET OF DRAWINGS TO REFLECT THE SEPARATION OF THE NORTH AND SOUTH BOUND APPROACH SLAB DETAIL SHEETS A-D-2 MOVED TO NORTH BOUND SHEET SB



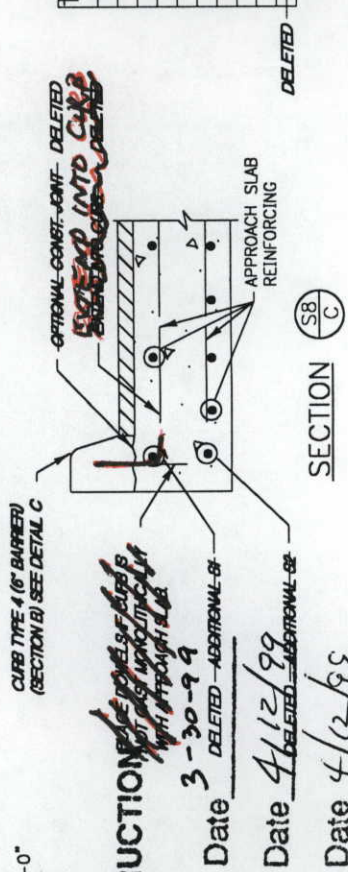
PLAN

NOTE: REFER TO PLAN SHEETS FOR DRAIN LOCATION

RPI-99013
STRUCTURE ARE REPAIR
SPICE DETAILS



DETAIL E
(PLACE AFTER GROUNDING)



SECTION SB/C

APPROVED FOR CONSTRUCTION
Date 3-30-99
Date 4-12-99
Date 4-12-99
Date 4-14-99

DMJM
CDOT
CRCC
(Subcontractor)



DANIEL, MANN, JOHNSON, &
MENDENHALL
410 17th Street Suite 300
Denver, Colorado 80202
Phone: (303) 892-1300
Fax: (303) 892-1356

Computer File Information		Index of Revisions	
Creation Date:	2/25/98	4	3/08/99
Last Modification Date:	03/08/99	3	5/12/98
Full Path:	N:\4649\BR-DET\	2	5/05/98
Drawing File Name:	25sd06.dwg	1	4/16/98
Acad Ver.	14	Revision	Date
Scale:		Description of Revision	

TYPICAL APPROACH SLAB DETAILS (SOUTH BOUND)		Project No./Code	
		IR-IM(CX) 025-3(113)	
Designer:	GIS	State Highway No. 25	
Detailer:	RMH	Sheet Number	
Sheet Subset:	BRIDGE	Subst Sheets:	SB of 25

AS CONSTRUCTED

Revised
Final Acceptance Date:

NOTES:

- CONCRETE CLASS D (BRIDGE) SHALL BE USED FOR APPROACH SLABS.
- 1/2" EXPANSION JOINT MATERIAL SHALL MEET A.A.S.H.T.O. SPEC. M213.
- THE EXPANSION JOINT SYSTEM SHALL INCLUDE ALL LABOR AND MATERIALS TO INSTALL THE EXPANSION JOINT ACCORDING TO THE MANUFACTURER'S DIRECTIONS AND ACCORDING TO THESE PLANS.
- THE BACKER ROD SHALL BE SECURED AND SEALED ACCORDING TO THE MANUFACTURER'S DIRECTIONS.
- THE COVER PLATE SHALL BE THE SIZE AND TYPE RECOMMENDED BY THE MANUFACTURER AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS.
- THE JOINT BONDING AGENT SHALL BE THE TYPE RECOMMENDED BY THE MANUFACTURER FOR THE JOINT SYSTEM BEING INSTALLED. IT SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- ALL SURFACES IN JOINT OPENING SHALL BE CLEANED ACCORDING TO THE MANUFACTURER'S DIRECTIONS.
- THE JOINTS SHALL BE INSTALLED AND COMPACTED ACCORDING TO THE MANUFACTURER'S PROCEDURES.
- THE FINISHED JOINT, AFTER COMPACTING, SHALL BE FLUSH WITH THE TOP OF THE ADJACENT ASPHALT SURFACE.
- A REPRESENTATIVE OF THE MANUFACTURER SHALL BE ON SITE PRIOR TO INSTALLING THE EXPANSION JOINTS AND SHALL APPROVE THE METHODS AND MATERIALS BEFORE WORK COMMENCES.
- SEE SPECIAL PROVISIONS FOR BRIDGE EXPANSION DEVICE (0-2 INCH).
- CONTRACTOR MAY USE

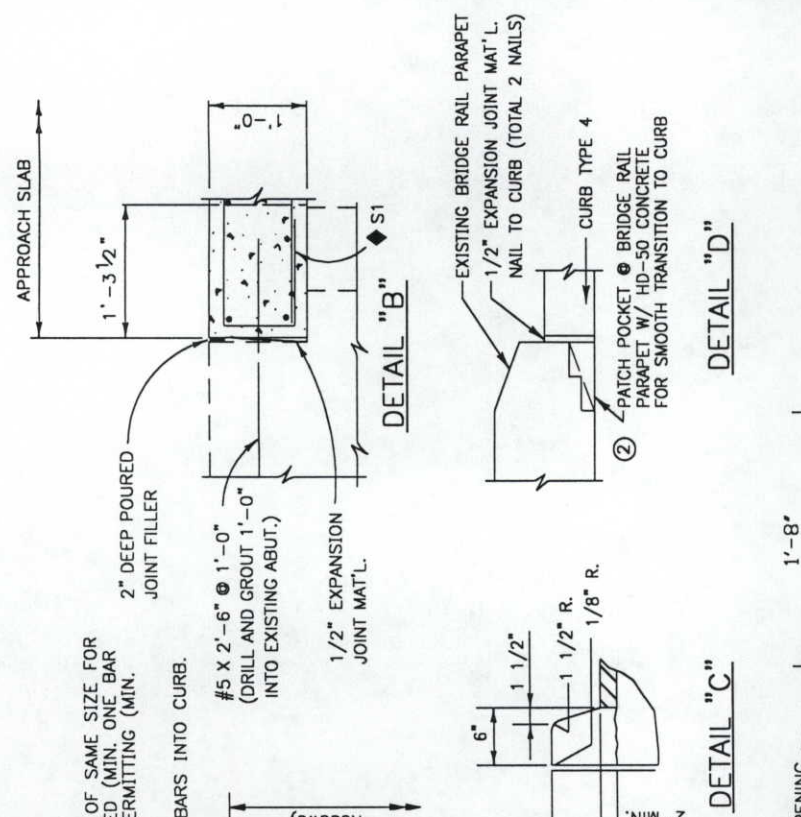
- 1. FOR STRUCTURE NO. A-17-Z SLEEPER DETAIL, SEE SHEET S10.
- 2. SQUARE UP CORNER IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
- 3. FORM STEP WHILE CONCRETE IS IN PLASTIC STATE
- 4. CONTRACTOR SHALL REMOVE HBP AS REQUIRED ON BRIDGE DECK TO MATCH PROFILE GRADE AS SHOWN IN ROADWAY PLANS. ROTO MILLING SHALL BE LIMITED TO LEAVING A MIN. 3/4" EXISTING HBP ON BRIDGE DECK. A MIN. THICKNESS OF NEW HBP SHALL BE 1-1/2".

PROPOSED DEVICE MANUFACTURER

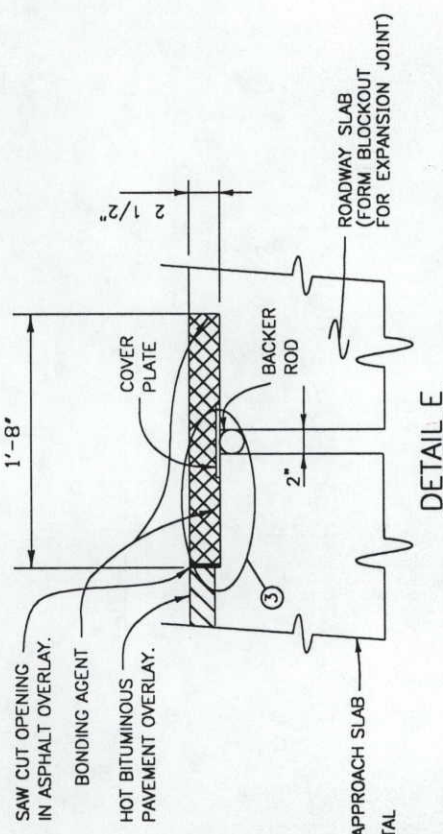
PAVETECH INTERNATIONAL INC. (D.S. BROWN), MATRIX 502

STRUCTURE NUMBER	θ	S1*	S2	S3	S4
A-17-AB	75°21'30"	401'-6"	906'	501'-0"	401'-6"
A-17-AE	90°00'00"	401'-6"	906'	501'-0"	401'-6"
A-17-AG	90°00'00"	401'-6"	906'	501'-0"	401'-6"
A-17-AI	90°00'00"	401'-6"	906'	501'-0"	401'-6"
A-17-AK	90°00'00"	401'-6"	906'	501'-0"	401'-6"
A-17-AM	90°00'00"	401'-6"	906'	501'-0"	401'-6"
A-17-AC	65°00'00"	401'-6"	906'	501'-0"	401'-6"
A-17-AO	90°00'00"	401'-6"	906'	501'-0"	401'-6"
A-17-Q	90°00'00"	401'-6"	906'	501'-0"	401'-6"
A-17-Z	84°38'00"	401'-6"	906'	501'-0"	401'-6"

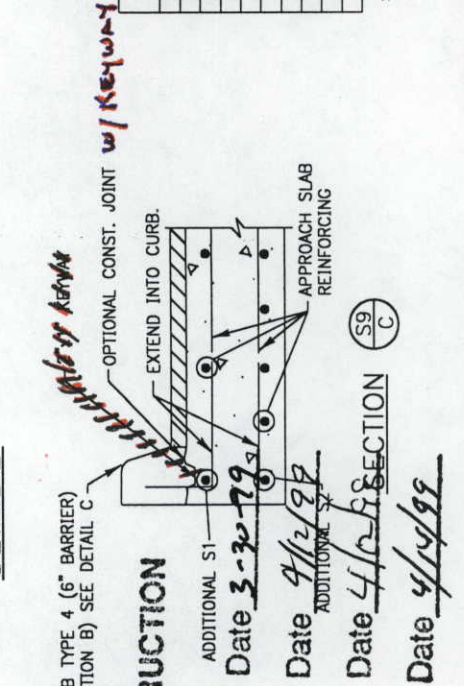
* 1'-0" 6 1/2"



DETAIL "D"



DETAIL 'F'

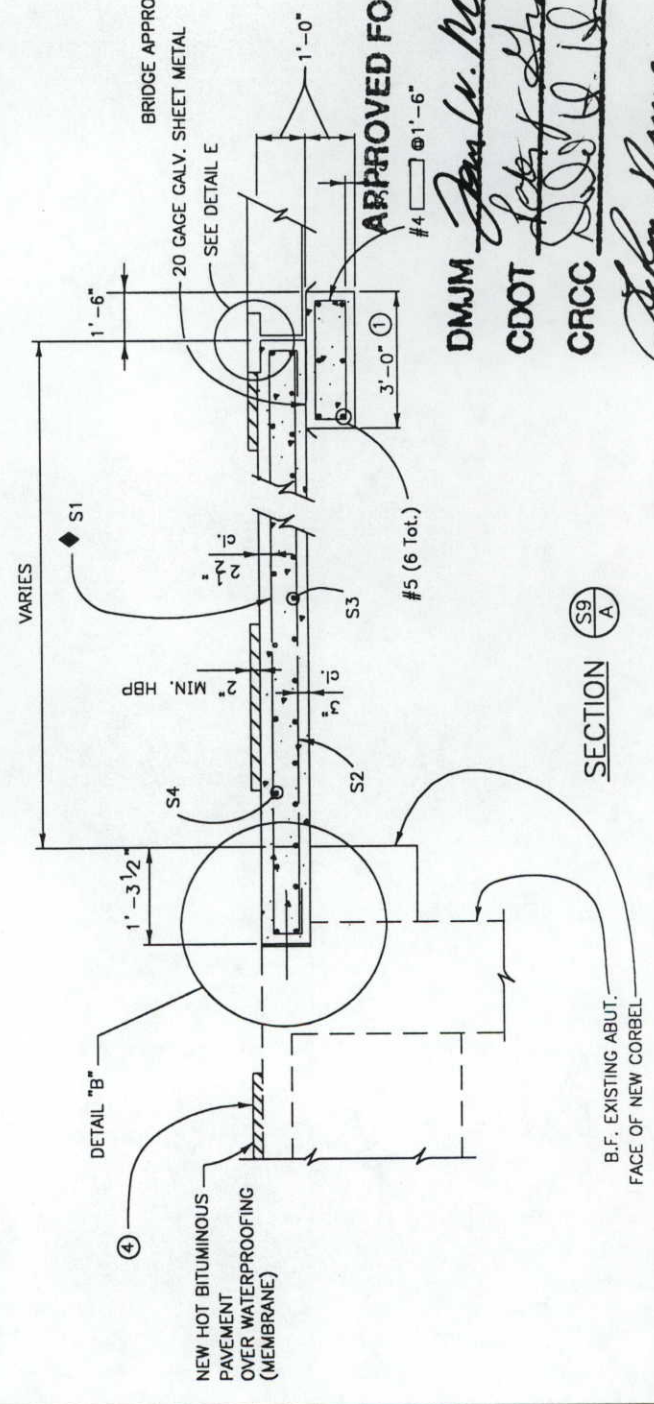


APPROVED FOR CONSTRUCTION

DMJM *[Signature]* Date 3-20-99
CDOT *[Signature]* Date 4/2/99
CRCC *[Signature]* Date 4/2/99
[Signature] (Subcontractor) Date 4/14/99

PLAN

NOTE: REFER TO PLAN SHEETS FOR DRAIN LOCATION



Computer File Information			Index of Revisions		AS CONSTRUCTED		TYPICAL		Project No./Code	
Creation Date:	2/25/98	Initials: RMH			No Revisions:		APPROACH SLAB DETAILS		IR-IM(CX) 025-3(113)	
Last Modification Date:	03/08/99	Initials: JHW			Revised: L-6-01		(NORTH BOUND)		State Highway No. 25	
Full Path: N:\4649\BR-DET\					Void:		Structure Numbers		Sheet Number	
Drawing File Name: 25sd06a.dwg							Subset: BRIDGE		Sheet No. 25	
Acad Ver. 14							Subset Sheets: S9 of 25			

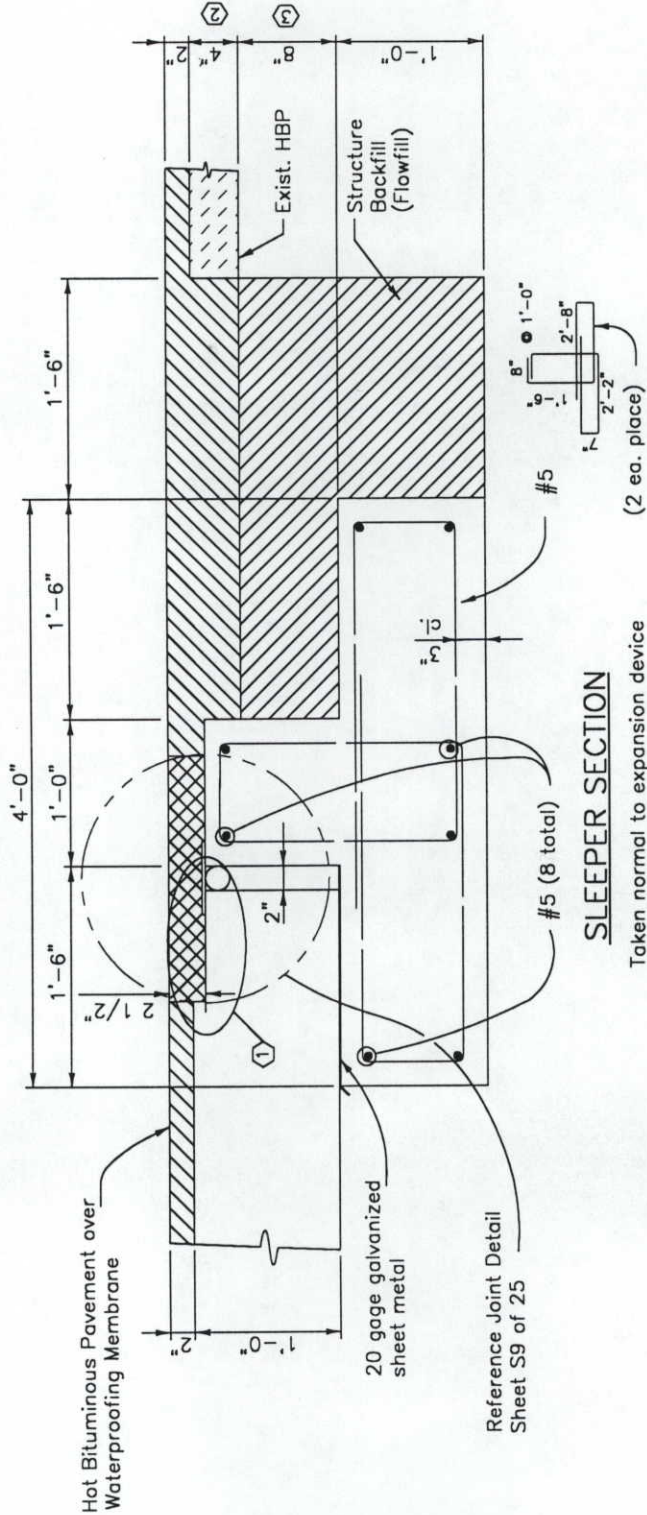
AS CONSTRUCTED

Revised No Revisions
Final Acceptance Date:

NOTES

REFER TO ADDITIONAL NOTES AND DETAILS ON SHEET S9 OF 25
FOR INFORMATION NOT SHOWN.

- FORM STEP WHILE CONCRETE IS IN PLASTIC STATE
- DIM. TO BE VERIFIED ON SITE.
- DIM. DEPENDS ON 2 . TOTAL OF 2 AND 3 IS 1' 0".



APPROVED FOR CONSTRUCTION

DMJM Date 3-30-99
CDOT Date 4/12/99
CRCC Date 4/12/99
(Subcontractor) Date 4/14/99

Computer File Information			Index of Revisions		AS CONSTRUCTED		CARR BRIDGE		Project No./Code	
Creation Date:	9/04/98	Initials: MBA			No Revisions: X	Revised:	Designer: GAA	Structure Numbers	IR-IM(CX) 025-3(113)	
Last Modification Date:	03/08/99	Initials: JHW								
Full Path:	N:\4649\BR-DET\									
Drawing File Name:	25sd11.dwg		1	3/8/99	NEW SHEET				State Highway No. 25	
Acad Ver. 14	Scale:	Units: ENGLISH	Revision	Date	Description of Revision	Void:	Sheet Subset: BRIDGE	Subset Sheets: S10 of 25	Sheet Number	
 DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street Suite 300 Denver, Colorado 80202 Phone: (303) 892-1300 Fax: (303) 892-1356										

THE EXPANSION DEVICE SHALL BE INSTALLED ON GRADE, PARALLEL TO THE SLOPE AND GRADE OF THE PAVEMENT.

AFTER THE CONCRETE HAS ATTAINED INITIAL SET, THE ATTACHMENTS USED TO HOLD THE EXPANSION DEVICE ASSEMBLY IN IT'S PROPER POSITION SHALL BE REMOVED.

DO NOT PAINT STEEL SURFACES IN CONTACT WITH EITHER CONCRETE OR SEAL.

THE NEOPRENE EXTRUSION SHALL BE ONE PIECE.

VENT HOLES SHALL NOT BE USED FOR SUPPORT BOLTS.
SEE SPECIAL PROVISIONS FOR EPOXY GROUTING OF VENT HOLES.

PLACE ROADWAY EXPANSION DEVICE AT APPROXIMATE 150'± AWAY FROM APPROACH SLAB REPLACING THE NEAREST 15' JOINT.

- ① LOCATION TO BE TOOLED AND SAWCUT FOR REMOVAL OF THE 9'-0" SECTION
- ② LONGITUDINAL JOINTS SHALL BE TOOLED OR JOINTED AS SOON AS POSSIBLE

APPROVED FOR CONSTRUCTION

DMJM

Date 4/1/99

CDOT

Date 4/12/98

CRC

Date 4/12/99

(Subcontractor)

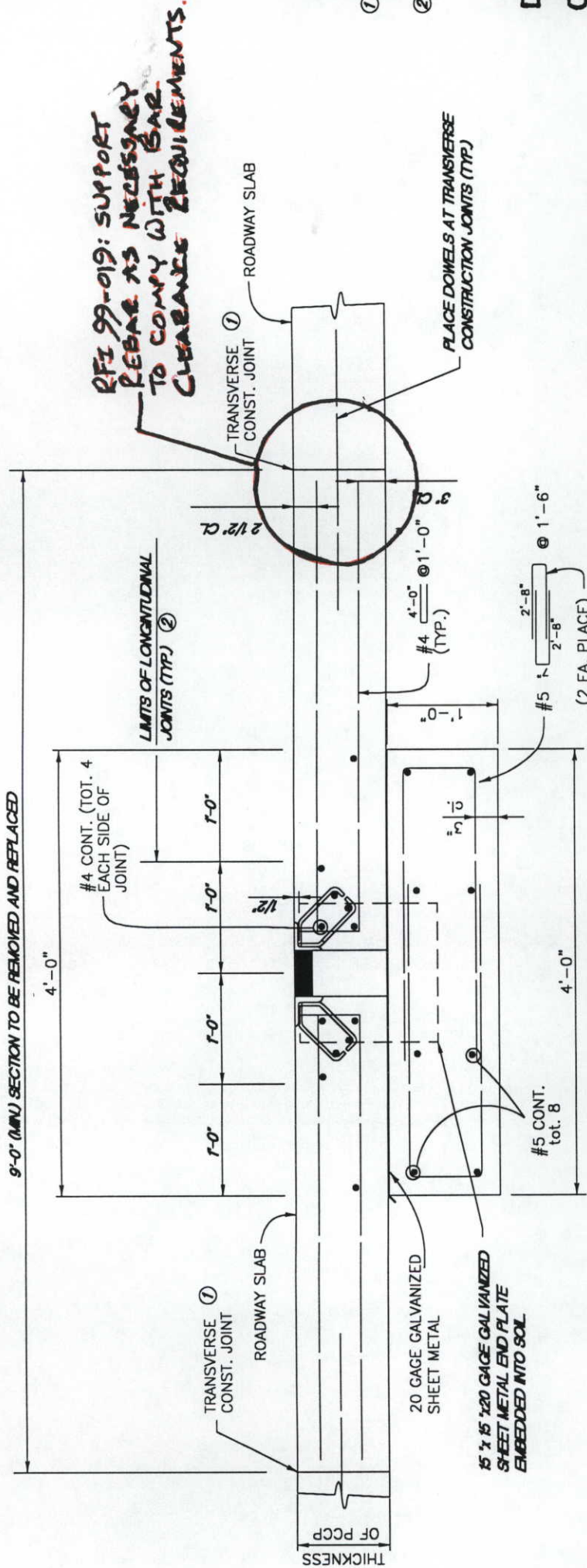
Date 4/4/99

PROPOSED EXPANSION DEVICE MANUFACTURER

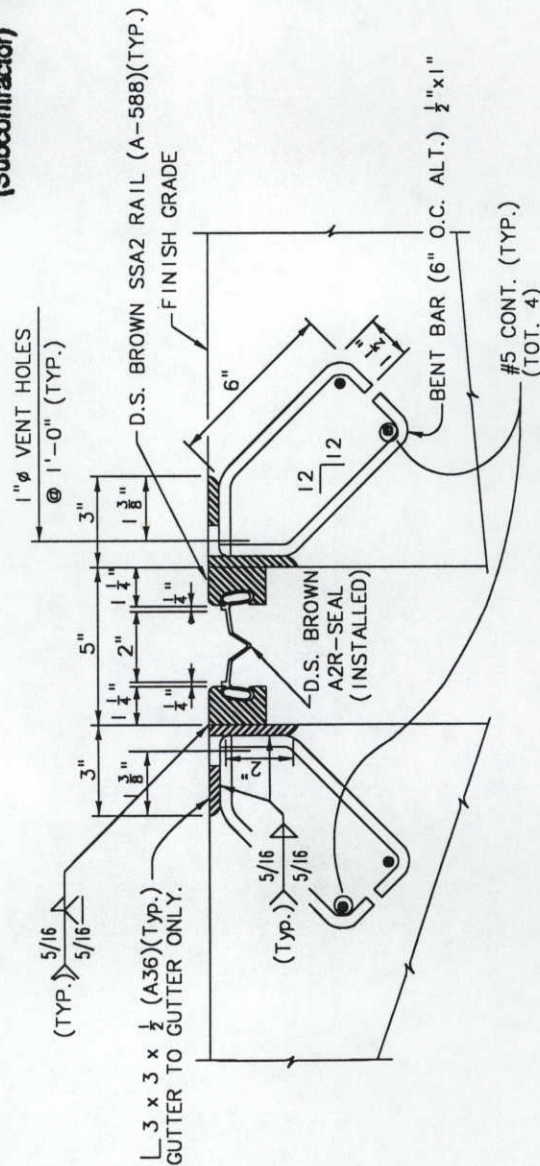
D.S. BROWN A2400-SSA2

ROADWAY EXPANSION JOINT STATIONS	
38889+320.0	38933+920.0
39679+820.0	39779+920.0
40337+920.0	40366+60.0
40888+40.0	40933+20.0
41801+70.0	41895+520.0
42574+080.0	42555+80.0
42874+920.0	42933+920.0
43693+520.0	43733+680.0
44574+920.0	44574+920.0

* THIS CHART WAS DELETED FROM THE ORIGINAL SET OF DRAWINGS

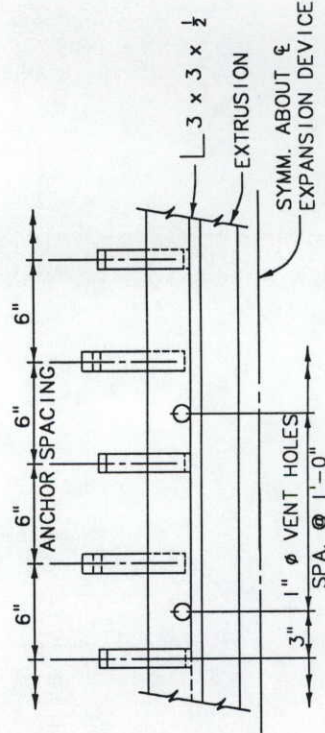


TAKEN NORMAL TO EXPANSION DEVICE
SLEEPER MAY BE PRECAST.



SECTION THRU ROADWAY EXPANSION DEVICE

SECTION TAKEN PERPENDICULAR TO £ EXP'N DEVICE.



ANCHOR AND VENT HOLE SPACING

 DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street, Suite 300 Denver, Colorado 80202 Phone: (303) 892-1300 Fax: (303) 892-1356			TYPICAL ROADWAY EXPANSION DEVICE DETAILS			Project No./Code			
Computer File Information			Index of Revisions			AS CONSTRUCTED			
Creation Date: 2/25/98			Initials: RMH			4		No Revisions: X Revised: Void:	
Last Modification Date: 03/08/99			Initials: JHW			3			
Full Path: N:\4649\BR-DET\						2			
Drawing File Name: 25srd07.dwg						1			
Acad Ver. 14			Scale:			1			
Units: ENGLISH			Revision			Date		Sheet Subst: BRIDGE	Sheet Sheets: 511 of 25
Description of Revision									
Designer: GIS			Detailer: RMH			Structure Numbers		State Highway No. 25	
Sheet Subst: BRIDGE								Sheet Number	

☐ Revised ☐ No Revisions

Final Acceptance Date: _____

REMOVAL OPERATIONS SHALL BE COORDINATED WITH THE ENGINEER AND PERFORMED IN A MANNER AS REQUIRED TO INSURE THE STRUCTURAL INTEGRITY OF THE BRIDGE.

CARE SHALL BE TAKEN IN REMOVING CONCRETE FROM AROUND STRUCTURAL STEEL ELEMENTS AND REINFORCING STEEL TO PREVENT DAMAGE TO THE STEEL.

THESE DETAILS REFLECT THE SCOPE AND NATURE OF THE WORK. THEY ARE NOT INTENDED TO REPRESENT THE ACTUAL STRUCTURE.

WHEN HBP IS USED, A MINIMUM OF 10 DAYS CURE IS REQUIRED FOR CONCRETE CLASS DT PRIOR TO PLACEMENT OF WATERPROOFING MEMBRANE.

IF CLASS 3 OR 3A REMOVAL IS PERFORMED IMMEDIATELY ADJACENT TO, AND ON BOTH SIDES OF A GIRDER SIMULTANEOUSLY WITHIN THE MIDDLE HALF OF A SPAN, THAT GIRDER SHALL BE SHORED FROM THE GROUND AT THE THIRD POINTS OF THAT SPAN.

IF CLASS 2A, 2B, 3, OR 3A REMOVAL IS PERFORMED ON BOTH SIDES OF A GIRDER SIMULTANEOUSLY WITHIN THE QUARTER OF A SPAN ON EITHER SIDE OF THE PIER, THAT GIRDER SHALL BE SHORED AT THE THIRD POINT EACH SIDE OF THAT PIER. THIS NOTE IS NOT INTENDED TO REQUIRE SHORING FOR "POTHOLE" TYPE REPAIRS OF LIMITED EXTENT WHERE AT LEAST ONE HALF OF THE LONGITUDINAL DECK REINFORCING IS ANCHORED ON BOTH SIDES OF THE REMOVAL AREA.

Removal line Class 2A
Removal line Class 2B
Removal line Class 3A

Class 1 removal

Removal line
Class 3

Class 3 removal shall be full depth from the limits of Class 1 removal. Class 3 removal shall be performed where shown on the plans.

Class 3A removal shall be performed when designated by the Engineer, where concrete is located below the limits of Class 2A or 2B removal.

E Girder (Web)

For Class 2A, use when the vertical exposure of the primary longitudinal reinforcement is more than one half the bar diameter.
For Class 2B use this detail as a minimum.

2" HOT BITUMINOUS PAVEMENT
OVER WATERPROOFING (MEMBRANE)

TOP OF EXISTING CONCRETE DECK

TOP OF REPAIR CONCRETE

der (Web)

May be reduced to actual concrete cover if less than $\frac{3}{4}$ ", except a minimum of $\frac{1}{4}$ " of concrete shall be removed if contact is made with reinforcing steel.

§ Girder (Web)

§ Girder (Web)

The diagram illustrates a cross-section of a concrete deck with various layers and removal lines. The layers, from top to bottom, are:

- Sound concrete**: The topmost layer, indicated by a wavy line.
- Removal line Class 2B**: A horizontal line separating the sound concrete from the layer below.
- Removal line Class 2A**: A horizontal line separating the Class 2B layer from the layer below.
- Removal line Class 1**: A horizontal line separating the Class 2A layer from the bottom layer.
- Class 1 removal**: The bottommost layer, indicated by a hatched pattern.

 A vertical dimension line on the right side of the diagram is labeled **z deck max.**. A circular callout labeled **A** is located within the Class 2A layer. A vertical line on the far right is labeled **ξ Girder (Web)**.

4 Girder (Web)

Top of existing concrete deck

Removal line

Nominal

Sound concrete

May be reduced to actual concrete cover if less than $\frac{1}{4}$ " , except a minimum of $\frac{1}{4}$ " of concrete shall be removed if contact is made with reinforcing steel.

§ Girder (Web)

cover if less than $\frac{3}{4}$ ", except a minimum of $\frac{1}{4}$ " of concrete shall be removed if contact is made with reinforcing steel.

§ Girder (Web)

§ Girder (Web)

The diagram illustrates the cross-section of a concrete deck with reinforcement bars. It shows three distinct removal zones: Class 1 removal (hatched area), Removal line Class 2A (dotted area), and Removal line Class 2B (stippled area). The remaining concrete is labeled 'Sound concrete'. The 'Girder (Web)' is shown at the bottom. A dimension line indicates a maximum depth of $\frac{z}{2}$ deck max. for the removal zone.

4 Girder (Web)

REMOVAL OF PORTIONS OF PRESENT STRUCTURE (CLASS 2B)

STRUCTURE NUMBER	CLASS (5% MINIMUM INFORMATION ONLY)			
	1	2A	2B	3
A-17-AA	5.49			
A-17-AL	3.60			
A-17-AD	3.79	6.63		

REFER TO BRIDGE STRUCTURE
SUMMARY OF QUANTITIES

APPROVED FOR CONSTRUCTION

DMJM	<u>John W. Melick</u>	Date	<u>3-30-99</u>
CDOT	<u>Robert Graham</u>	Date	<u>4/12/99</u>
CRCC	<u>Robert H. Graham</u>	Date	<u>4/12/99</u>
	<u>Keith Wages</u>	Date	<u>4/14/99</u>
(Subcontractor)			

Computer File Information				Index of Revisions				DANIEL, MANN, JOHNSON, & MENDENHALL 410 17th Street, Suite 300 Denver, Colorado 80202 Phone: (303) 892-1300 Fax: (303) 892-1356		AS CONSTRUCTED		TYPICAL CONCRETE DECK REPAIR DETAILS CONCRETE GIRDERS				Project No./Code	
Creation Date:	2/25/98	Initials: RMH	4	3/08/99	REVISION AS NOTED IN BOLD					No Revisions:				IR-IM(CX) 025-3(113)			
Lost Modification Date:	03/08/99	Initials: JHW	3	5/12/98	ISSUED FOR CONSTRUCTION					Revised:				State Highway No. 25			
Full Path:	N:\4649\BR-DET\		2	5/05/98	ISSUED FOR FINAL CDOT REVIEW					Designer: GIS							
Drawing File Name:	25sd08.dwg		1	4/16/98	ISSUED FOR CDOT REVIEW					Detailer: RMH							
Acad Ver.	14	Units: ENGLISH	Revision	Date	Description of Revision					Void:				Sheet Subst: BRIDGE		Sheet Number	
		Scale:												Subset Sheets:		S12 of 25	

☐ Revised
 ☒ No Revisions

Final Acceptance Date: _____

Computer File Information			Index of Revisions	
Creation Date:	2/25/98	Initials: RMH	4	3/08/99
Last Modification Date:	03/08/99	Initials: JHW	3	5/12/98
Full Path:	N:\4649\BR-DET\		2	5/05/98
Drawing File Name:	25sd10.dwg		1	4/16/98



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**TYPICAL THREE BEAM
 CONNECTION TO EXISTING
 BRIDGE RAIL TYPE 10**

AS CONSTRUCTED	
No Revisions:	X
Revised:	
Void:	

Designer: GIS
 Detailer: RMH

Structure Numbers

Sheet Subset: BRIDGE

Sheet Number: 25 of 25

Project No./Code
 IR-IM(CX) 025-3(113)
 State Highway No. 25
 Sheet Number

11:14 XREF = TILEBLK

AS CONSTRUCTED

☒ Revised

☐ No Revisions

Final Acceptance Date: _____

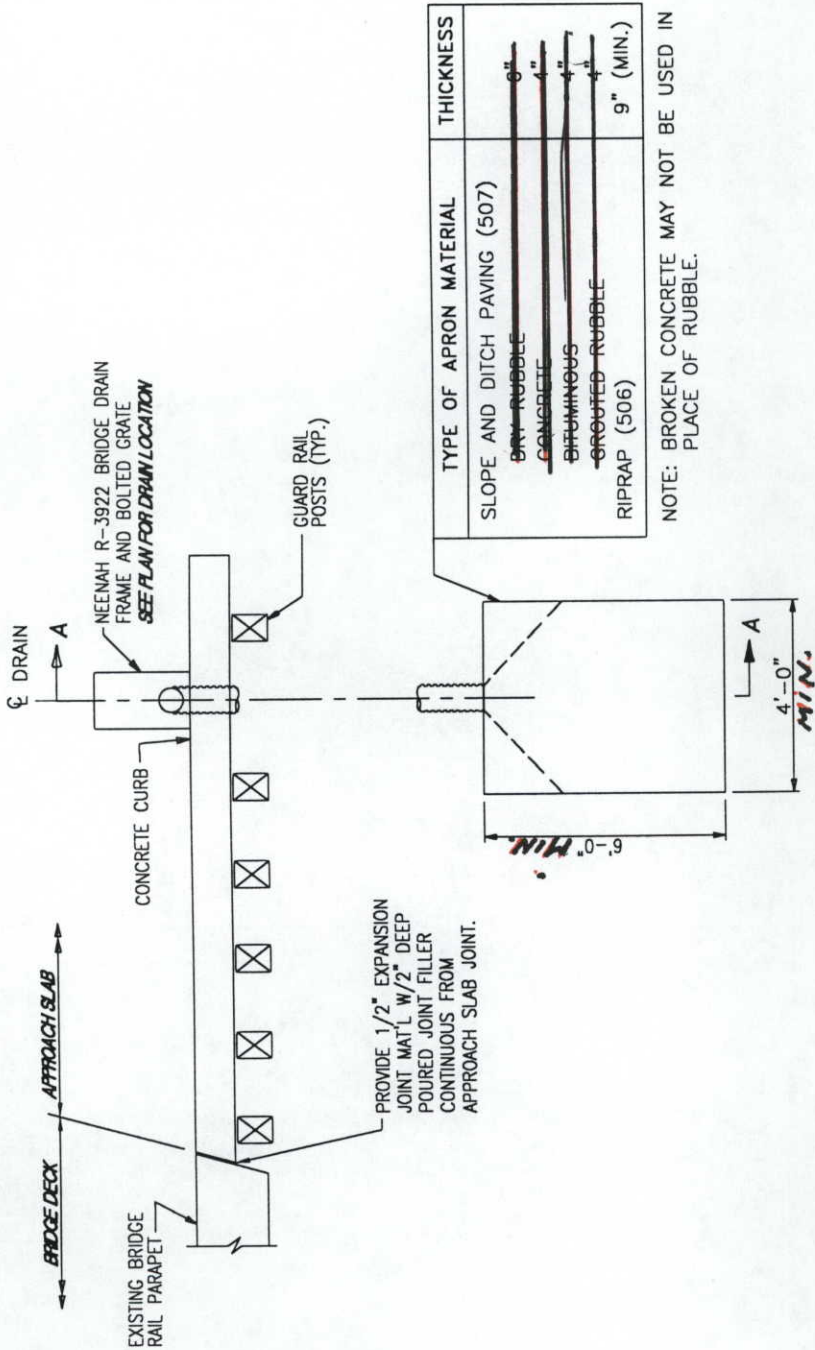
GENERAL NOTES

DETAILS OF GUARD RAIL INSTALLATION ARE SHOWN ELSEWHERE IN THE PLANS.

THE END SECTION-TO-PIPE STUB JOINT FOR CORRUGATED METAL PIPE SHALL BE IN ACCORDANCE WITH THE TYPE 3 TYPICAL CONNECTION DETAILED IN STANDARD PLAN M-603-10. THE TYPE 1 OR TYPE 2 TYPICAL CONNECTIONS ARE NOT ACCEPTABLE. (AS AN OPTION, THE END SECTION MAY BE CONNECTED DIRECTLY TO A SECTION OF PIPE). JOINTS BETWEEN THE STUB AND PIPE, OR SECTIONS OF PIPE, SHALL BE IN ACCORDANCE WITH SECTION 603.

STRUCTURE BACKFILL MATERIAL SHALL NOT BE USED WITH THIS DRAIN. EMBANKMENT MATERIAL SHALL BE USED WITH CONSTRUCTION REQUIREMENTS IN ACCORDANCE WITH SECTION 203.

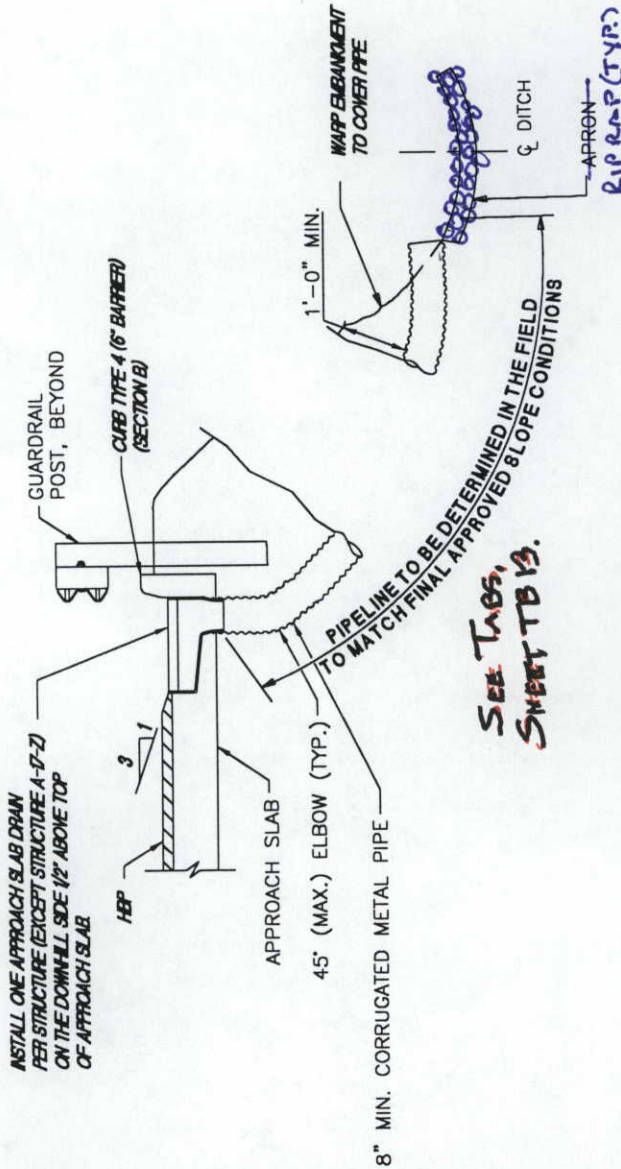
ALL APRON LOCATIONS SHALL BE APPROVED BY ENGINEER PRIOR TO PLACEMENT OF FFE AND APRON



TYPE OF APRON MATERIAL	THICKNESS
SLOPE AND DITCH PAVING (507)	8"
GRAVEL	4"
BRUSHWOOD	4"
GRAVEL	4"
RIPRAP (506)	9" (MIN.)

NOTE: BROKEN CONCRETE MAY NOT BE USED IN PLACE OF RUBBLE.

APPROACH SLAB DRAIN



SECTION A-A

APPROVED FOR CONSTRUCTION

DMJM *[Signature]* Date 3-30-99
CDO *[Signature]* Date 4/12/99
CRCC *[Signature]* Date 4/12/99
[Signature] (Subcontractor) Date 4/14/99

Computer File Information		Index of Revisions		AS CONSTRUCTED		APPROACH SLAB DRAIN DETAILS		Project No./Code	
Creation Date:	4/04/98	4	3/08/99	REVISION AS NOTED IN BOLD	No Revisions:			IR-IM(CX)	025-3(113)
Last Modification Date:	03/08/99	3	5/12/98	ISSUED FOR CONSTRUCTION	Revised:	6.6.01	Designer: JED	State Highway No.	25
Full Path:	N:\4649\STR-PLAN\	2	5/05/98	ISSUED FOR FINAL CDOT REVIEW	Void:		Detailer: RMH	Sheet Subset:	BRIDGE
Drawing File Name:	25seemb-3.dwg	1	4/16/98	ISSUED FOR CDOT REVIEW				Subst Sheets:	S15 of 25
Acad Ver.	14			Description of Revision					Sheet Number



KEY NOTES

- 1 REPLACE EXISTING APPROACH SLAB.
- 2 INSTALL APPROACH SLAB DRAIN.
- 3 PLACE ABUTMENT CORBELS.
- 4 PLACE WATERPROOFING (MEMBRANE) & HOT BITUMINOUS PAVEMENT.
- 5 TYPE 3G END ANCHORAGE.
- 6 TYPE 3H END ANCHORAGE.
- 7 PATCH SPALLS AND DELAMINATIONS IN DECK.
- 8 PLACE BRIDGE EXPANSION DEVICE (0-2 INCH).
- 9 PATCH SPALLS AND DELAMINATIONS AT JOINTS.
- 10 DRAIN LOCATION SHALL BE FIELD VERIFIED PRIOR TO PLACEMENT TO AVOID GUARD RAIL POSTS.

GENERAL NOTES

ROADWAY WIDTH DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OF APPROACH SLAB REINFORCING STEEL.

APPROACH SLAB WIDTH SHALL BE CONSTANT.

FOR REMOVAL QUANTITY, SEE SHEET S12.

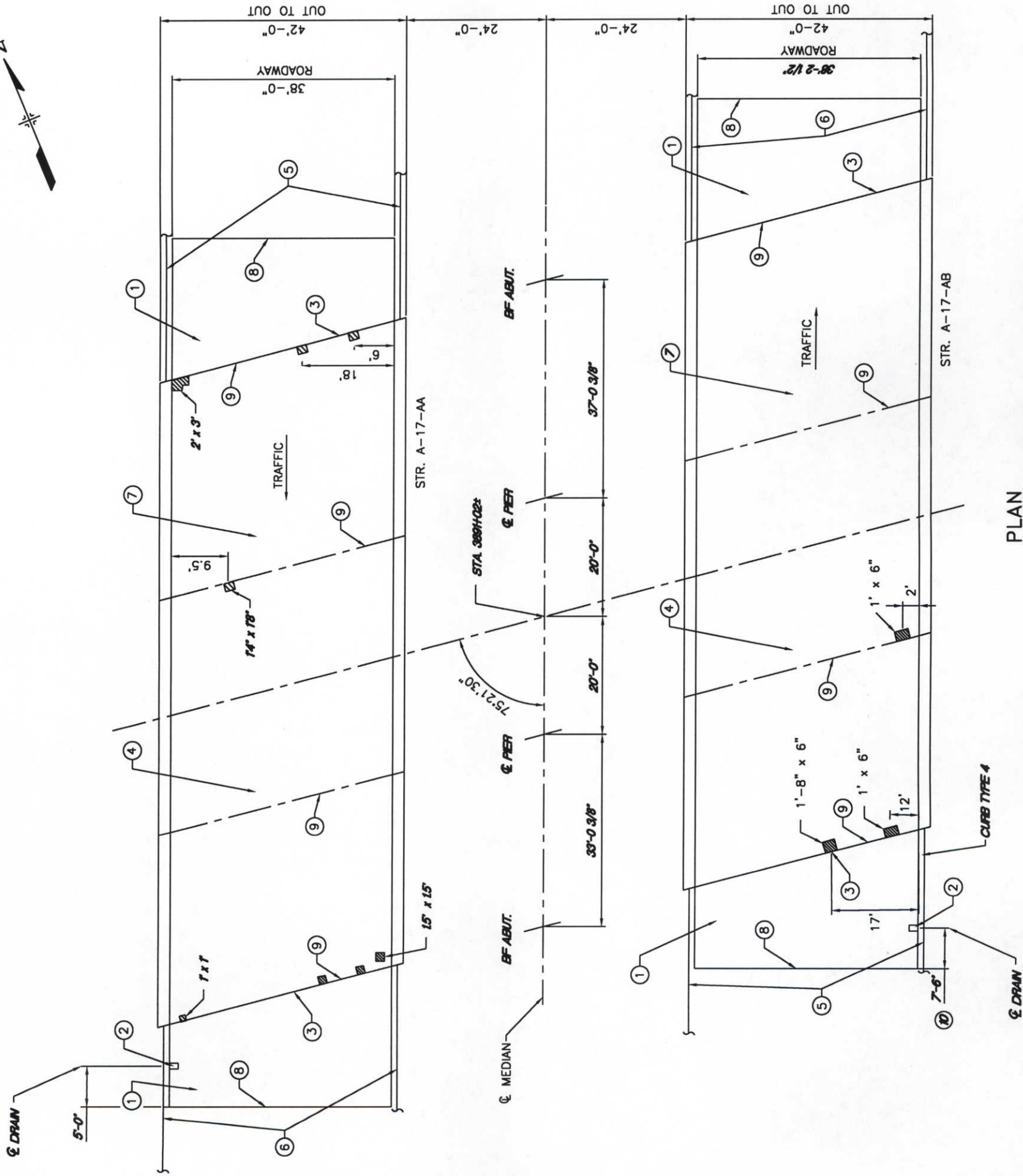
STATION SHOWN IS FOR REFERENCE ONLY.

PATCH SPALLS THAT ARE OBSERVED IN THE FIELD - NOT NECESSARILY LIMITED BY THIS SCHEMATIC.

WRITTEN APPROVAL OF ENGINEER MUST BE SUBMITTED TO CDOT PRIOR TO PLACEMENT OF WATERPROOFING MEMBRANE FOR EACH DECK.

FOR NORTH BOUND BRIDGE, REFER TO SHEET S9 FOR MORE DETAIL.

- CLASS 1 REMOVAL
- CLASS 2A REMOVAL
- CLASS 2B REMOVAL
- CLASS 3A & 3B REMOVAL



PLAN

Computer File Information				Index of Revisions			AS CONSTRUCTED			PLAN			Project No./Code	
Creation Date:	4/04/98	Initials:	RMH	5	1/27/00	AS-BUILT	No Revisions:	☒		STRUCTURES A-17-AA&AB			IR-IM(CX) 025-3(113)	
Last Modification Date:	03/08/99	Initials:	JHW	4	3/08/99	REVISION AS NOTED IN BOLD	Revised:			Designer:	JED	Structure Numbers	State Highway No. 25	
Full Path:	N:\4649\STR-PLAN\			3	5/12/98	ISSUED FOR CONSTRUCTION	Void:			Detailer:	RMH	Sheet Subst:	S16 of 25	
Drawing File Name:	25sp101.dwg			2	5/05/98	ISSUED FOR FINAL CDOT REVIEW							Sheet Number	
Acad Ver.	14	Scale:				Description of Revision								

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Phone: (303) 882-1300
Fax: (303) 882-1356





KEY NOTES

- 1 REPLACE EXISTING APPROACH SLAB.
- 2 INSTALL APPROACH SLAB DRAIN.
- 3 PLACE ABUTMENT CORBELS.
- 4 REMOVE EXISTING ASPHALT & PLACE WATERPROOFING (MEMBRANE) & HOT BITUMINOUS PAVEMENT.
- 5 TYPE 3G END ANCHORAGE.
- 6 TYPE 3H END ANCHORAGE.
- 7 PLACE FILL AT ABUTMENTS WHERE EROSION HAS OCCURRED.
- 8 PLACE BRIDGE EXPANSION DEVICE (0-2 INCH).
- 9 DRAIN LOCATION SHALL BE FIELD VERIFIED PRIOR TO PLACEMENT TO AVOID GUARD RAIL POSTS
- 10 PATCH SPALLS AND DELAMINATIONS AT JOINT.

GENERAL NOTES

ROADWAY WIDTH DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OF APPROACH SLAB REINFORCING STEEL.

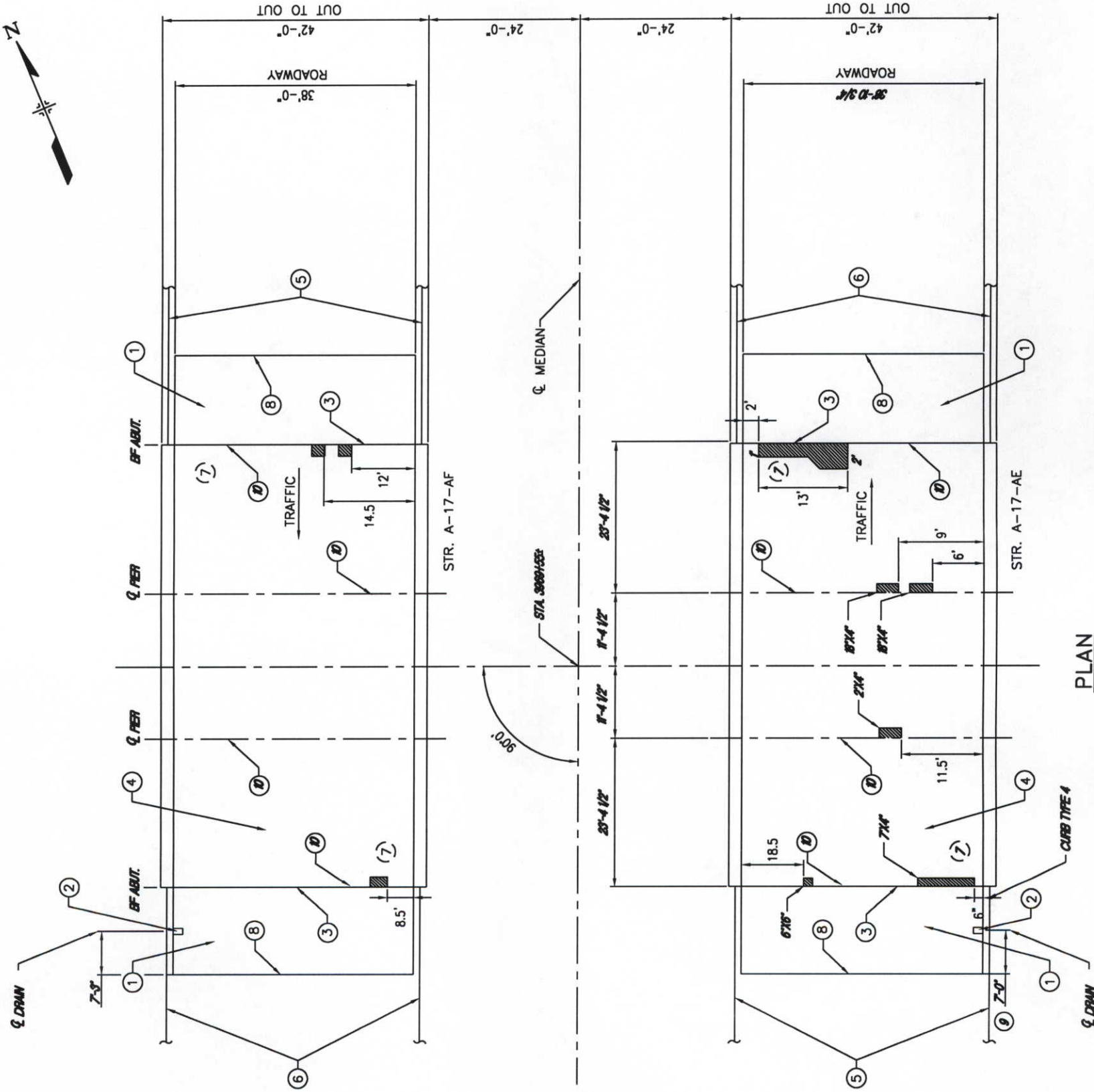
APPROACH SLAB WIDTH SHALL BE CONSTANT.

STATION SHOWN IS FOR REFERENCE ONLY.

PATCH SPALLS THAT ARE OBSERVED IN THE FIELD - NOT NECESSARY LIMITED BY THIS SCHEMATIC.

WRITTEN APPROVAL OF ENGINEER MUST BE SUBMITTED TO CDOT PRIOR TO PLACEMENT OF WATERPROOFING MEMBRANE FOR EACH DECK.

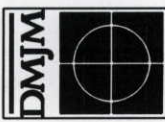
FOR NORTH BOUND BRIDGE REFER TO SHEET 59 FOR MORE DETAIL



PLAN

Computer File Information				Index of Revisions			AS CONSTRUCTED			PLAN			Project No./Code	
Creation Date:	4/04/98	Initials:	RMH	5	1/27/00	AS-BUILT	No Revisions: X			STRUCTURES A-17-AE&AF			IR-IM(CX) 025-3(113)	
Last Modification Date:	03/08/99	Initials:	JHW	4	3/08/99	REVISION AS NOTED IN BOLD							State Highway No. 25	
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Drawing File Name:	25sp02.dwg			2	5/05/98	ISSUED FOR FINAL CDOT REVIEW							Detailer: RMH	
Acad Ver.	14	Scale:	Units: ENGLISH	Revision	Date	Description of Revision	Void:			Sheet Subset: BRIDGE			Sheet Number	
													S17 of 25	

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Fax: (303) 882-1356



KEY NOTES

- 1 REPLACE EXISTING APPROACH SLAB.
- 2 INSTALL APPROACH SLAB DRAIN.
- 3 PLACE ABUTMENT CORBELS.
- 4 REMOVE EXISTING ASPHALT & PLACE WATERPROOFING (MEMBRANE) & HOT BITUMINOUS PAVEMENT.
- 5 TYPE 3G END ANCHORAGE.
- 6 TYPE 3H END ANCHORAGE.
- 7 PLACE FILL AT ABUTMENTS WHERE EROSION HAS OCCURRED.
- 8 PLACE BRIDGE EXPANSION DEVICE (0-2 INCH).
- 9 DRAIN LOCATION SHALL BE FIELD VERIFIED PRIOR TO PLACEMENT TO AVOID GUARD RAIL POSTS.
- 10 DRAIN LOCATION AS BUILT. NEED DRAIN ON THE SOUTH END.
- 11 PATCH SPALLS AND DELAMINATIONS AT JOINT.
- 12 AFTER PLACING NEW HBP, SAW CUT AND REMOVE OLD ASPHALTIC PLUG INCLUDING COVER PLATE AND BACKER ROD, AND REPLACE WITH NEW FOR THE FULL DEPTH OF HBP.
- 13 PCCP SHALL BE REPLACE AT NEAREST TRANSVERSE JOINT, BUT NOT LESS THAN DIMENSION SHOWN.

GENERAL NOTES

ROADWAY WIDTH DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OF APPROACH SLAB REINFORCING STEEL.

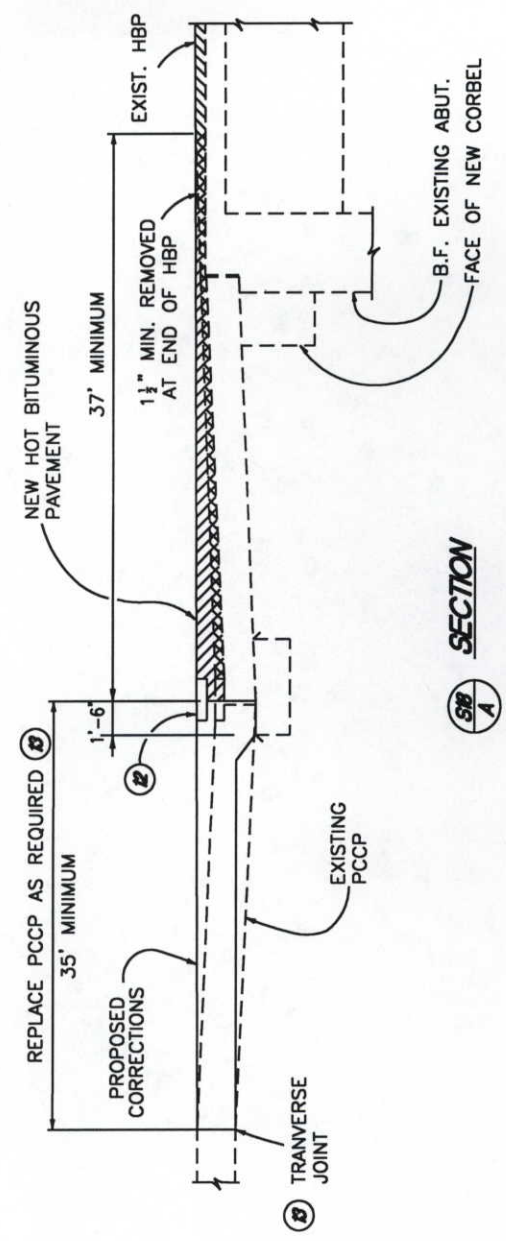
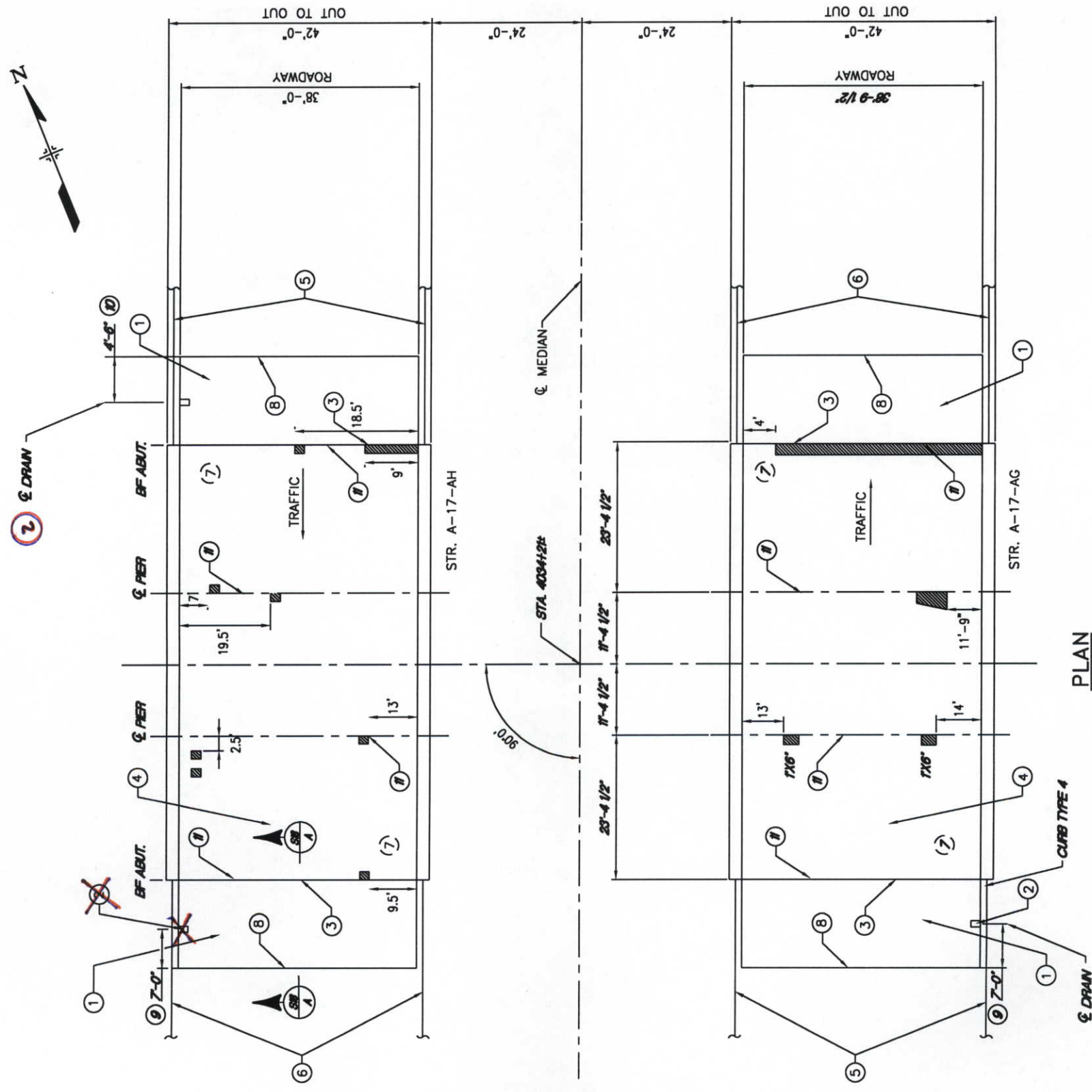
APPROACH SLAB WIDTH SHALL BE CONSTANT.

STATION SHOWN IS FOR REFERENCE ONLY.

PATCH SPALLS THAT ARE OBSERVED IN THE FIELD - NOT NECESSARY LIMITED BY THIS SCHEMATIC.

WRITTEN APPROVAL OF ENGINEER MUST BE SUBMITTED TO CDOT PRIOR TO PLACEMENT OF WATERPROOFING MEMBRANE FOR EACH DECK.

FOR NORTH BOUND BRIDGE, REFER TO SHEET 59 FOR MORE DETAIL.



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Full Path:	N:\4649\STR-PLAN\								Sheet Subst: BRIDGE		
Drawing File Name:	25spl03.dwg	Units: ENGLISH	Revision	Date	Description of Revision				Subset Sheets: S18 of 25		
Acad Ver.	14	Scale:							Sheet Number		



KEY NOTES

- 1 REPLACE EXISTING APPROACH SLAB.
- 2 INSTALL APPROACH SLAB DRAIN.
- 3 PLACE ABUTMENT CORBELS.
- 4 REMOVE EXISTING ASPHALT & PLACE WATERPROOFING (MEMBRANE) & HOT BITUMINOUS PAVEMENT.
- 5 TYPE 3G END ANCHORAGE.
- 6 TYPE 3H END ANCHORAGE.
- 7 PLACE FILL AT ABUTMENTS WHERE EROSION HAS OCCURRED.
- 8 PLACE BRIDGE EXPANSION DEVICE (0-2 INCH).
- 9 DRAIN LOCATION SHALL BE FIELD VERIFIED PRIOR TO PLACEMENT TO AVOID GUARD RAIL POSTS
- 10 PATCH SPALLS AND DELAMINATION AT JOINTS

GENERAL NOTES

ROADWAY WIDTH DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OF APPROACH SLAB REINFORCING STEEL.

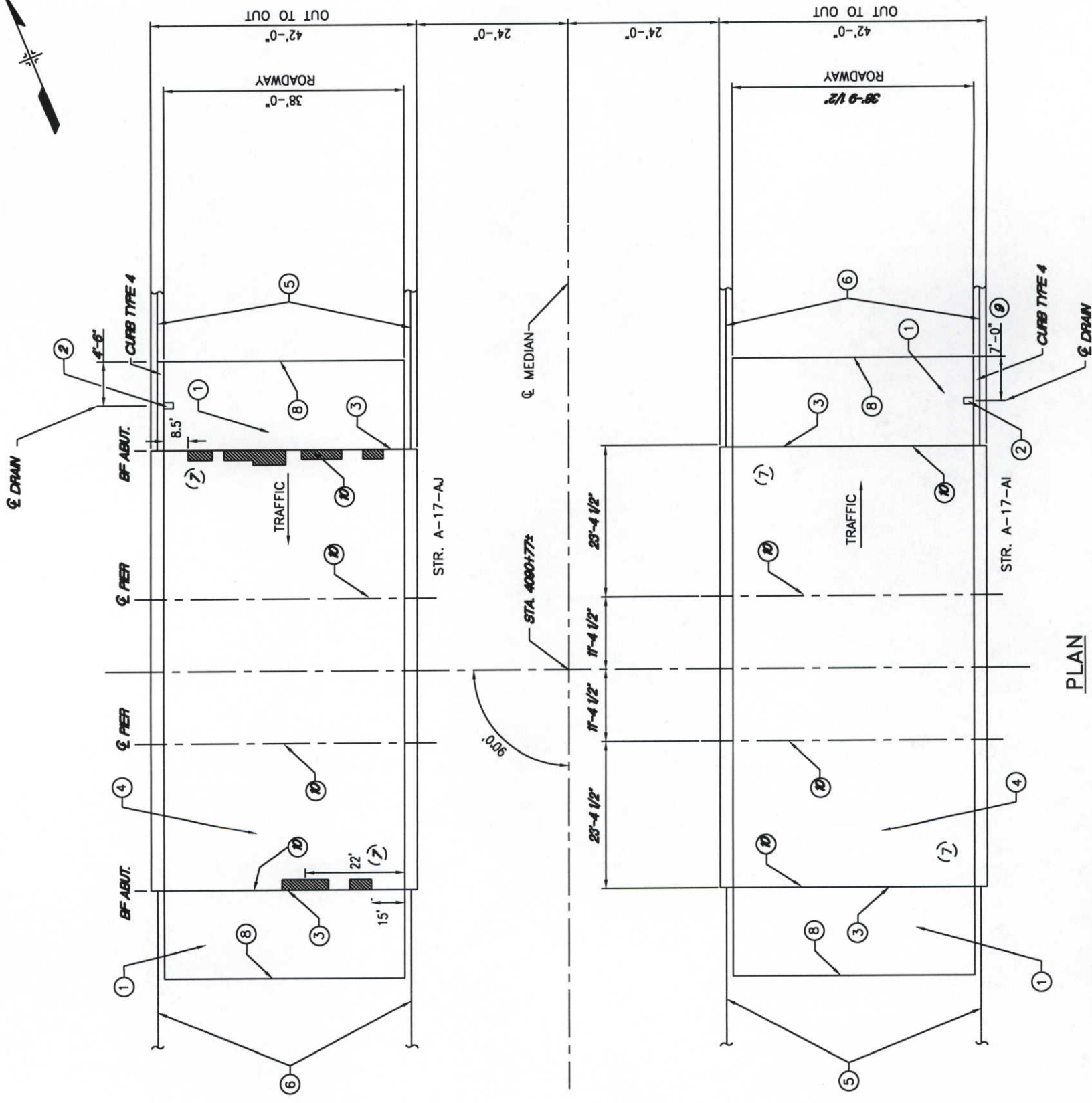
APPROACH SLAB WIDTH SHALL BE CONSTANT.

STATION SHOWN IS FOR REFERENCE ONLY.

PATCH SPALLS THAT ARE OBSERVED IN THE FIELD - NOT NECESSARY LIMITED BY THIS SCHEMATIC.

WRITTEN APPROVAL OF ENGINEER MUST BE SUBMITTED TO CDOT PRIOR TO PLACEMENT OF WATERPROOFING MEMBRANE FOR EACH DECK.

FOR NORTH BOUND BRIDGE, REFER TO SHEET 89 FOR MORE DETAIL.



PLAN

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Last Modification Date:	03/08/99	Initials: JHW	4	3/08/99	REVISION AS NOTED IN BOLD						
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Drawing File Name:	25sp104.dwg		2	5/05/98	ISSUED FOR FINAL CDOT REVIEW			Detailer:	RMH		
Acad Ver.	14	Scale:	Units:	ENGLISH	Revision	Date	Description of Revision	Sheet Subset:	BRIDGE	Sheet Sheets:	S19 of 25

GENERAL NOTES

ROADWAY WIDTH DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OF APPROACH SLAB REINFORCING STEEL.

APPROACH SLAB WIDTH SHALL BE CONSTANT. STATION SHOWN IS FOR REFERENCE ONLY. FOR REMOVAL QUANTITY, SEE SHEET S12.

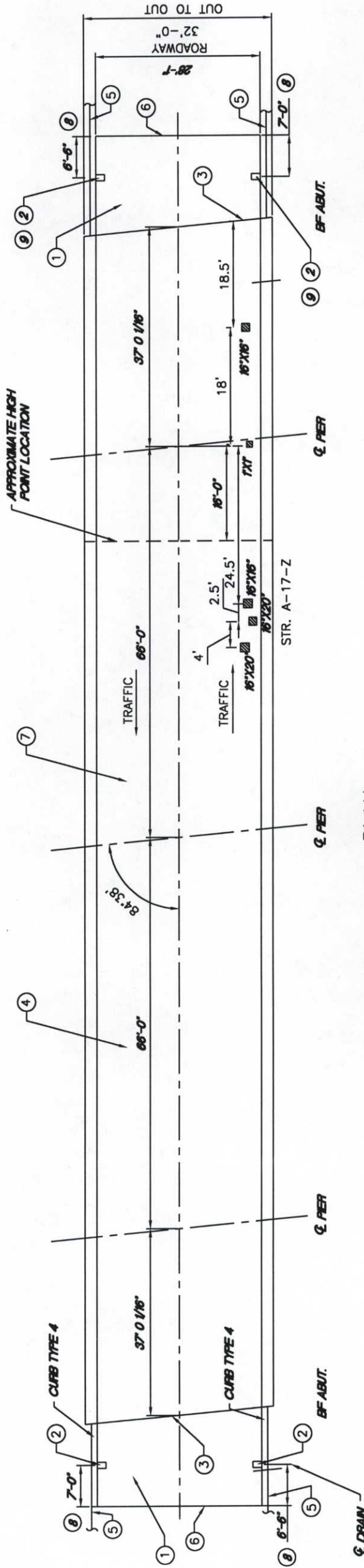
PATCH SPALLS THAT ARE OBSERVED IN THE FIELD - NOT NECESSARY LIMITED BY THIS SCHEMATIC.

WRITTEN APPROVAL OF ENGINEER MUST BE SUBMITTED TO CDOT PRIOR TO PLACEMENT OF WATERPROOFING MEMBRANE FOR EACH DECK.

- CLASS 1 REMOVAL
- CLASS 2A REMOVAL
- CLASS 2B REMOVAL
- CLASS 3A & 3B REMOVAL

KEY NOTES

- REPLACE EXISTING APPROACH SLAB.
- INSTALL APPROACH SLAB DRAIN.
- PLACE ABUTMENT CORBELS.
- PLACE WATERPROOFING (MEMBRANE) & HOT BITUMINOUS PAVEMENT.
- TYPE 3G END ANCHORAGE.
- PLACE BRIDGE EXPANSION DEVICE (0-2 INCH).
- PATCH SPALLS AND DELAMINATIONS IN DECK AND AT JOINTS.
- DRAIN LOCATION SHALL BE FIELD VERIFIED PRIOR TO PLACEMENT TO AVOID GUARD RAIL POSTS.
- INSTALL TWO ADDITIONAL APPROACH SLAB DRAIN.



PLAN
(1-25 STA. 4159+25s.)

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KEY NOTES

- 1 REPLACE EXISTING APPROACH SLAB.
- 2 INSTALL APPROACH SLAB DRAIN.
- 3 PLACE ABUTMENT CORBELS.
- 4 PLACE WATERPROOFING (MEMBRANE) & HOT BITUMINOUS PAVEMENT.
- 5 TYPE 3G END ANCHORAGE.
- 6 TYPE 3H END ANCHORAGE.
- 7 PATCH SPALLS AND DELAMINATION IN DECK AND AT JOINTS
- 8 PLACE BRIDGE EXPANSION DEVICE (0-2 INCH).
- 9 DRAIN LOCATION SHALL BE FIELD VERIFIED PRIOR TO PLACEMENT TO AVOID GUARD RAIL POSTS

GENERAL NOTES

ROADWAY WIDTH DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OF APPROACH SLAB REINFORCING STEEL.

APPROACH SLAB WIDTH SHALL BE CONSTANT.

STATION SHOWN IS FOR REFERENCE ONLY.

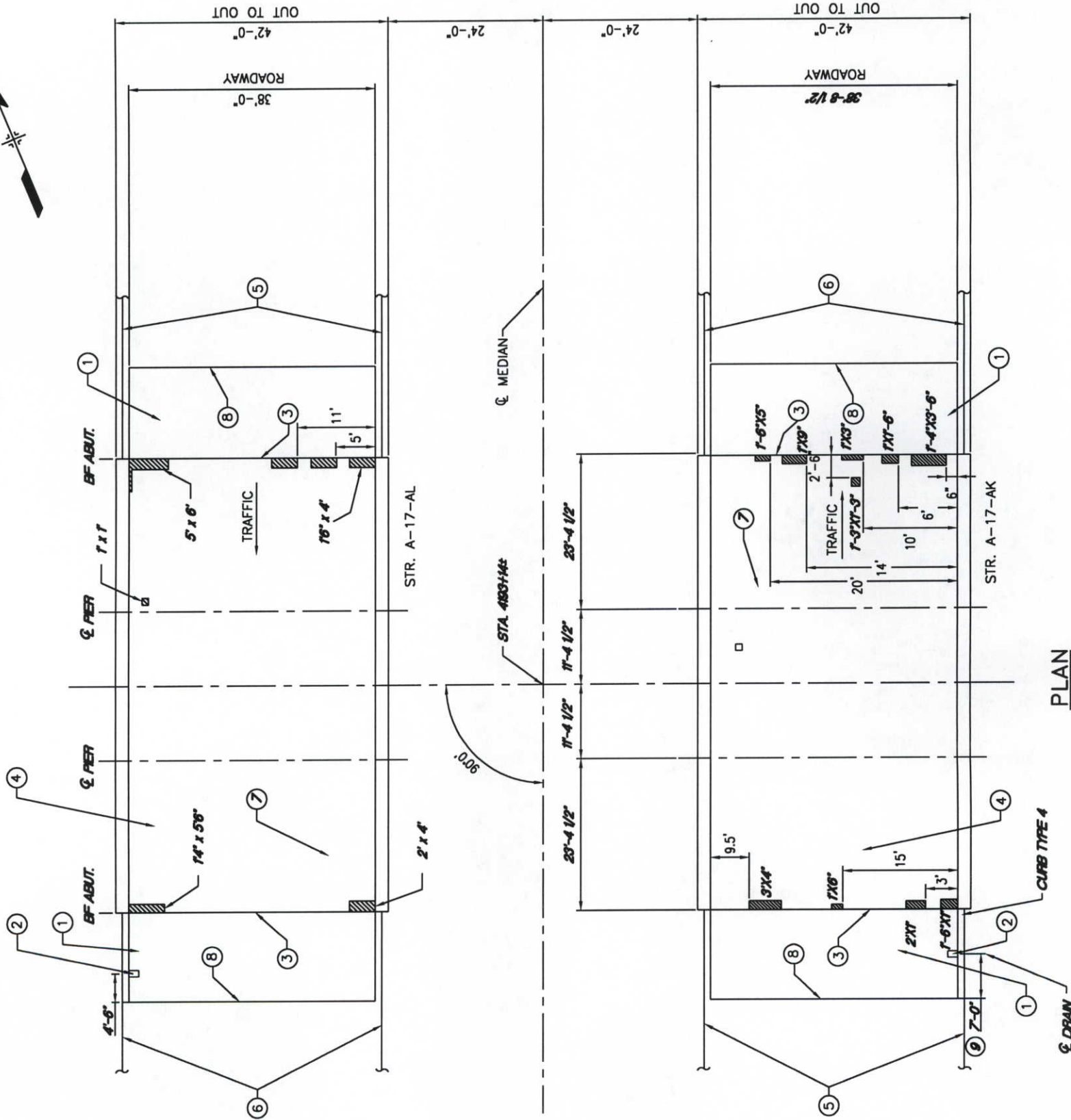
FOR REMOVAL QUANTITY, SEE SHEET S12

PATCH SPALLS THAT ARE OBSERVED IN THE FIELD - NOT NECESSARY LIMITED BY THIS SCHEMATIC.

WRITTEN APPROVAL OF ENGINEER MUST BE SUBMITTED TO CDOT PRIOR TO PLACEMENT OF WATERPROOFING MEMBRANE FOR EACH DECK.

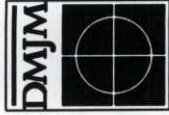
FOR NORTH BOUND BRIDGE, REFER TO SHEET S8 FOR MORE DETAIL.

- CLASS 1 REMOVAL
- CLASS 2A REMOVAL
- CLASS 2B REMOVAL
- CLASS 3A & 3B REMOVAL



PLAN

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Acad Ver.	14	Units:	ENGLISH	Revision	Date	Description of Revision	Void:		Sheet Subset: BRIDGE	Subset Sheets: S21 of 25	Sheet Number	
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KEY NOTES

- 1 REPLACE EXISTING APPROACH SLAB.
- 2 INSTALL APPROACH SLAB DRAIN.
- 3 PLACE ABUTMENT CORBELS.
- 4 REMOVE EXISTING ASPHALT & PLACE WATERPROOFING (MEMBRANE) & HOT BITUMINOUS PAVEMENT.
- 5 TYPE 3G END ANCHORAGE.
- 6 TYPE 3H END ANCHORAGE.
- 7 PLACE FILL AT ABUTMENTS WHERE EROSION HAS OCCURRED.
- 8 PLACE BRIDGE EXPANSION DEVICE (0-2 INCH).
- 9 DRAIN LOCATION SHALL BE FIELD VERIFIED PRIOR TO PLACEMENT TO AVOID GUARD RAIL POSTS.
- 10 PATCH SPALLS AND DELAMINATIONS AT JOINTS.

GENERAL NOTES

ROADWAY WIDTH DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OF APPROACH SLAB REINFORCING STEEL.

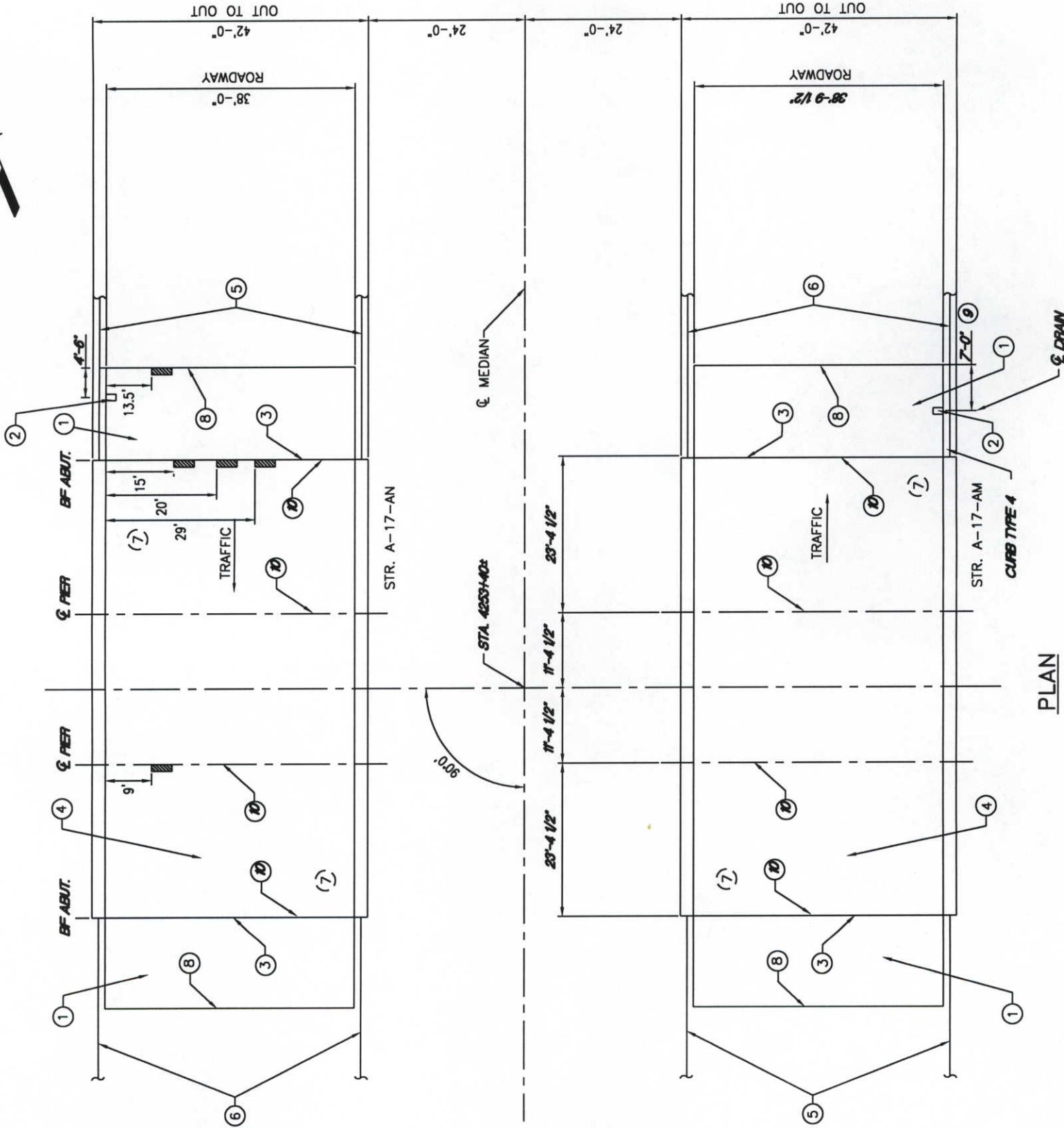
APPROACH SLAB WIDTH SHALL BE CONSTANT.

STATION SHOWN IS FOR REFERENCE ONLY.

PATCH SPALLS THAT ARE OBSERVED IN THE FIELD - NOT NECESSARY LIMITED BY THIS SCHEMATIC.

WRITTEN APPROVAL OF ENGINEER MUST BE SUBMITTED TO CDOT PRIOR TO PLACEMENT OF WATERPROOFING MEMBRANE FOR EACH DECK.

FOR NORTH BOUND BRIDGE, REFER TO SHEET 80 FOR MORE DETAIL.



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KEY NOTES

- 1 REPLACE EXISTING APPROACH SLAB.
- 2 INSTALL APPROACH SLAB DRAIN.
- 3 PLACE ABUTMENT CORBELS
- 4 PLACE WATERPROOFING (MEMBRANE) & HOT BITUMINOUS PAVEMENT.
- 5 TYPE 3G END ANCHORAGE.
- 6 TYPE 3H END ANCHORAGE.
- 7 PLACE FILL AT ABUTMENT WHERE EROSION HAS OCCURRED.
- 8 PATCH SPALLS AND DELAMINATIONS AT JOINTS
- 9 PLACE BRIDGE EXPANSION DEVICE (0-2 INCH).
- 10 DRAIN FLUGHED ON STR. A-17-AD DURING SOUTHBOUND DECK REPAIR. REMOVE PLUG THRU HEP TO DRAIN INLET, AND INSTALL PIPE AND CONCRETE APRON IN ACCORDANCE WITH DETAILS ON DWG. NO. S15
- 11 DRAIN LOCATION SHALL BE FIELD VERIFIED PRIOR TO PLACEMENT TO AVOID GUARD RAIL POSTS
- 12 PATCH SPALLS AND DELAMINATIONS IN DECK

GENERAL NOTES

ROADWAY WIDTH DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OF APPROACH SLAB REINFORCING STEEL

APPROACH SLAB WIDTH SHALL BE CONSTANT.

STATION SHOWN IS FOR REFERENCE ONLY.

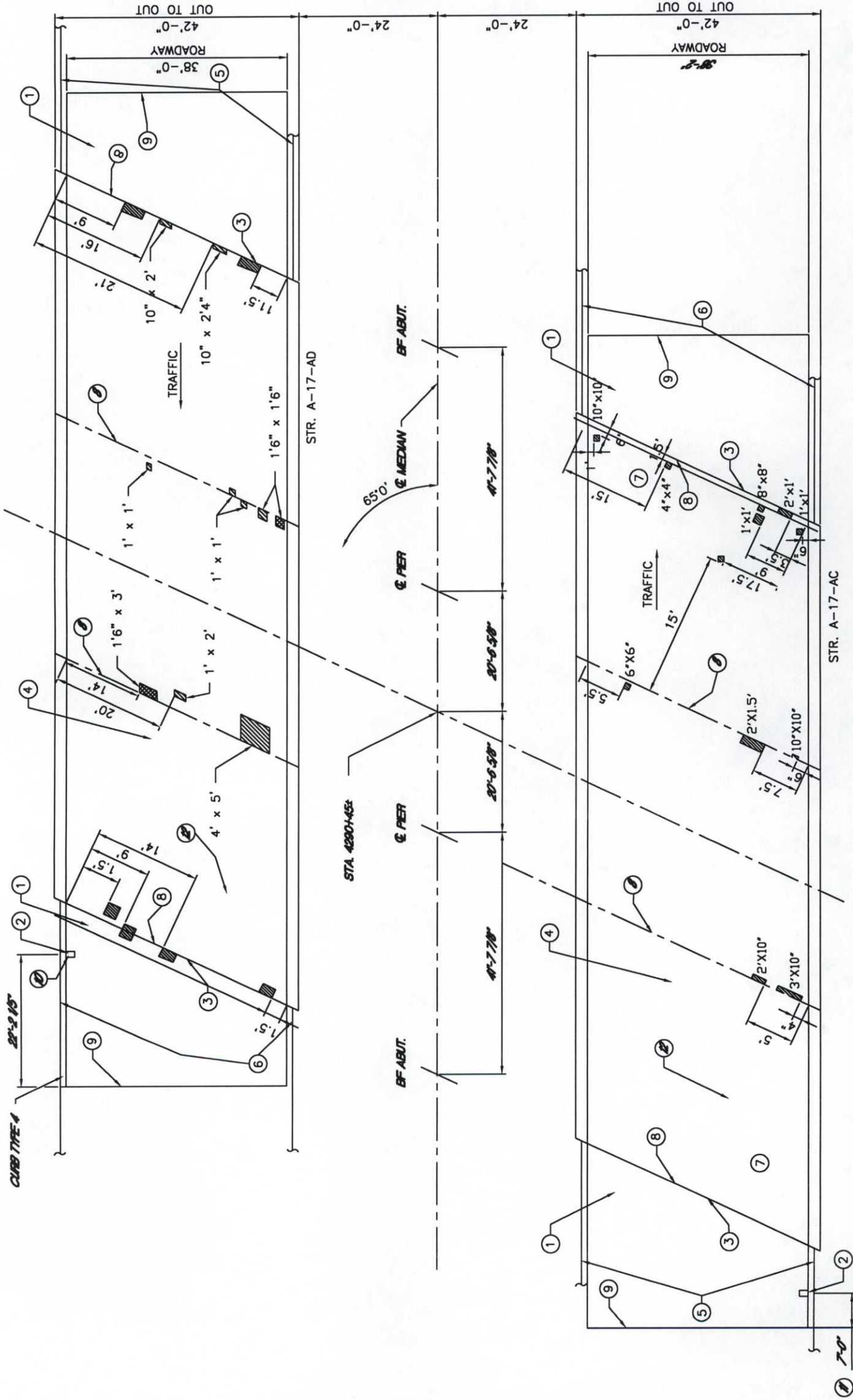
FOR REMOVAL QUANTITY, SEE SHEET S12

PATCH SPALLS THAT ARE OBSERVED IN THE FIELD - NOT NECESSARY LIMITED BY THIS SCHEMATIC.

WRITTEN APPROVAL OF ENGINEER MUST BE SUBMITTED TO CDOT PRIOR TO PLACEMENT OF WATERPROOFING MEMBRANE FOR EACH DECK.

FOR NORTH BOUND BRIDGE, REFER TO SHEET S9 FOR MORE DETAIL

- CLASS 1 REMOVAL
- CLASS 2A REMOVAL
- CLASS 2B REMOVAL
- CLASS 3A & 3B REMOVAL



PLAN

Q DRAW

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No Revisions:	7
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Designer: JED	Structure Numbers	State Highway No. 25
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KEY NOTES

- 1 REPLACE EXISTING APPROACH SLAB.
- 2 INSTALL APPROACH SLAB DRAIN.
- 3 PLACE ABUTMENT CORBELS.
- 4 REMOVE EXISTING ASPHALT & PLACE WATERPROOFING (MEMBRANE) & HOT BITUMINOUS PAVEMENT.
- 5 TYPE 3G END ANCHORAGE.
- 6 TYPE 3H END ANCHORAGE.
- 7 PLACE FILL AT ABUTMENTS WHERE EROSION HAS OCCURRED.
- 8 PLACE BRIDGE EXPANSION DEVICE (0-2 INCH).
- 9 DRAIN LOCATION SHALL BE FIELD VERIFIED PRIOR TO PLACEMENT TO AVOID GUARD RAIL POSTS
- 10 PATCH SPALLS AND DELAMINATIONS AT JOINTS

GENERAL NOTES

ROADWAY WIDTH DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OF APPROACH SLAB REINFORCING STEEL.

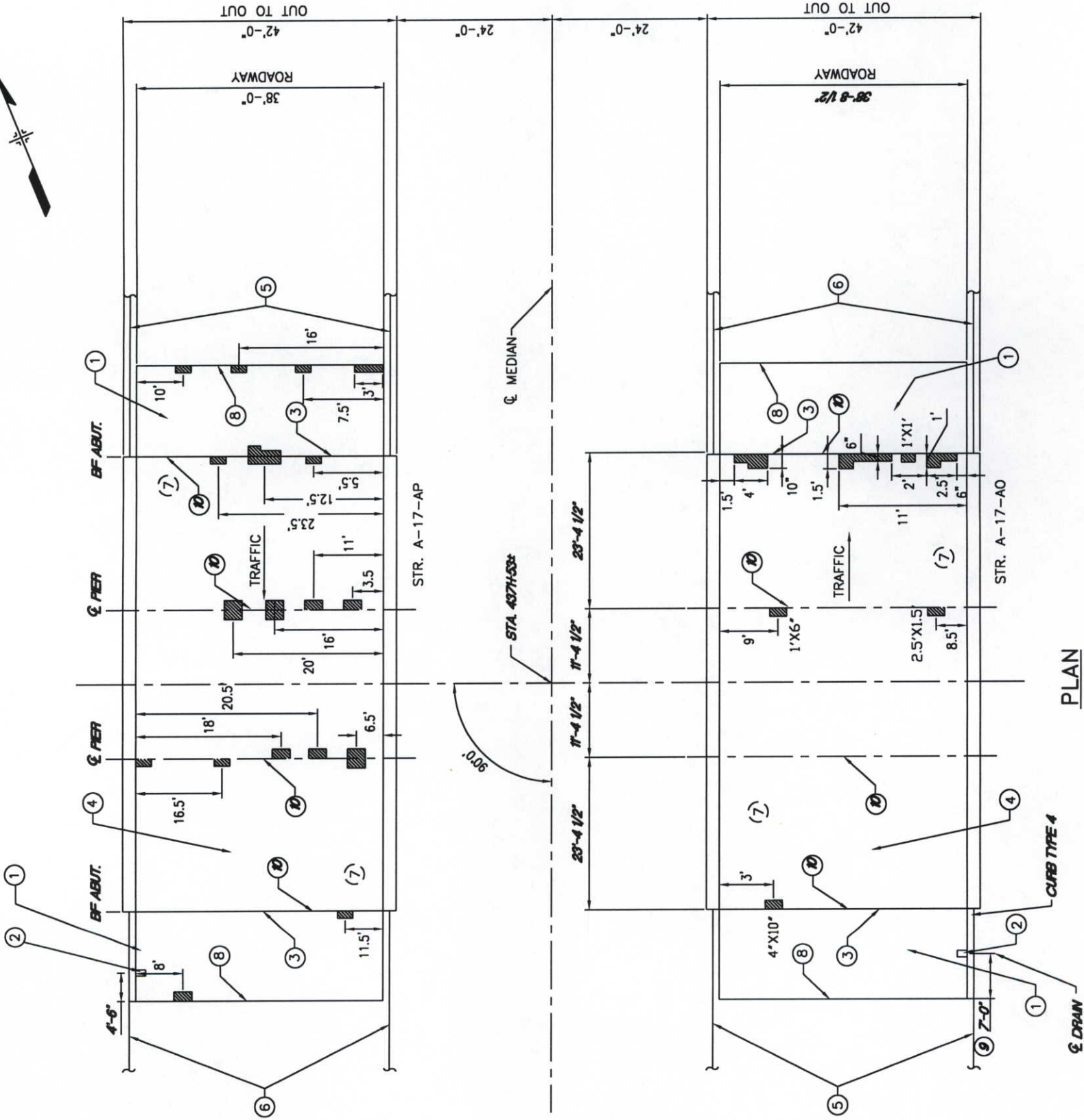
APPROACH SLAB WIDTH SHALL BE CONSTANT.

STATION SHOWN IS FOR REFERENCE ONLY.

PATCH SPALLS THAT ARE OBSERVED IN THE FIELD - NOT NECESSARY LIMITED BY THIS SCHEMATIC.

WRITTEN APPROVAL OF ENGINEER MUST BE SUBMITTED TO CDOT PRIOR TO PLACEMENT OF WATERPROOFING MEMBRANE FOR EACH DECK.

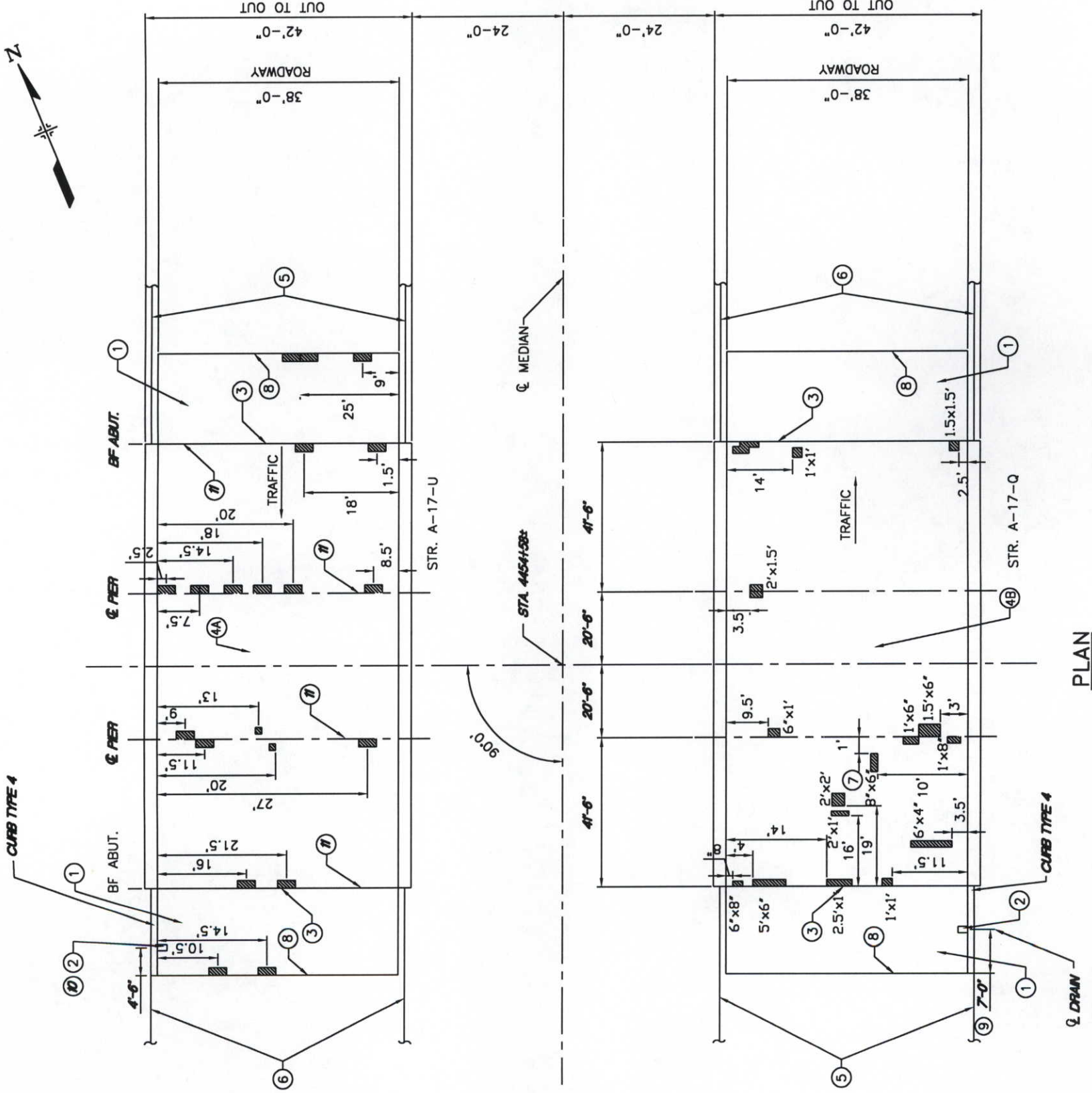
FOR NORTH BOUND BRIDGE REFER TO SHEET 50 FOR MORE DETAIL



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Acad Ver.	14	Scale:			Description of Revision								



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KEY NOTES

- 1 REPLACE EXISTING APPROACH SLAB.
- 2 INSTALL APPROACH SLAB DRAIN.
- 3 PLACE ABUTMENT CORBELS.
- 4A REMOVE EXISTING ASPHALT & PLACE WATERPROOFING (MEMBRANE) & HOT BITUMINOUS PAVEMENT.
- 4B PLACE WATERPROOFING (MEMBRANE) & HOT BITUMINOUS PAVEMENT.
- 5 TYPE 3G END ANCHORAGE.
- 6 TYPE 3H END ANCHORAGE.
- 7 PATCH SPALLS AND DELAMINATIONS IN DECK AND AT JOINTS
- 8 PLACE BRIDGE EXPANSION DEVICE (0-2 INCH).
- 9 DRAIN LOCATION SHALL BE FIELD VERIFIED PRIOR TO PLACEMENT TO AVOID GUARD RAIL POSTS
- 10 DRAIN PLUGGED ON STR A-17-U DURING SOUTHBOUND DECK REPAIR REMOVE PLUG, TRIM HEP TO DRAIN INLET, AND INSTALL PIPE AND CONCRETE AFFRON IN ACCORDANCE WITH DETAILS ON DWG. NO. S15
- 11 PATCH SPALLS AND DELAMINATIONS AT JOINTS

GENERAL NOTES

ROADWAY WIDTH DIMENSIONS SHALL BE FIELD VERIFIED PRIOR TO FABRICATION OF APPROACH SLAB REINFORCING STEEL.

APPROACH SLAB WIDTH SHALL BE CONSTANT.

STATION SHOWN IS FOR REFERENCE ONLY.

FOR REMOVAL QUANTITY, SEE SHEET S12

PATCH SPALLS THAT ARE OBSERVED IN THE FIELD - NOT NECESSARY LIMITED BY THIS SCHEMATIC.

WRITTEN APPROVAL OF ENGINEER MUST BE SUBMITTED TO CDOT PRIOR TO PLACEMENT OF WATERPROOFING MEMBRANE FOR EACH DECK.

FOR NORTH BOUND BRIDGE, REFER TO SHEET S9 FOR MORE DETAIL

- CLASS 1 REMOVAL
- CLASS 2A REMOVAL
- CLASS 2B REMOVAL
- CLASS 3A & 3B REMOVAL

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Acad Ver.	14	Units:	ENGLISH	2	5/05/98	ISSUED FOR FINAL CDOT REVIEW			Sheet Subset: BRIDGE		Sheet Number	
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