



TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

PORTLAND TO MILWAUKIE LRT TYPE 5 LRV



CONTRACT NO. RH120160BW

REFERENCE DRAWINGS

REQUEST FOR PROPOSAL

VOLUME 2 of 2

PREPARED BY: TRIMET
CAPITAL PROJECTS AND
FACILITIES DIVISION

AUGUST 2011

INDEX OF REFERENCE DRAWINGS

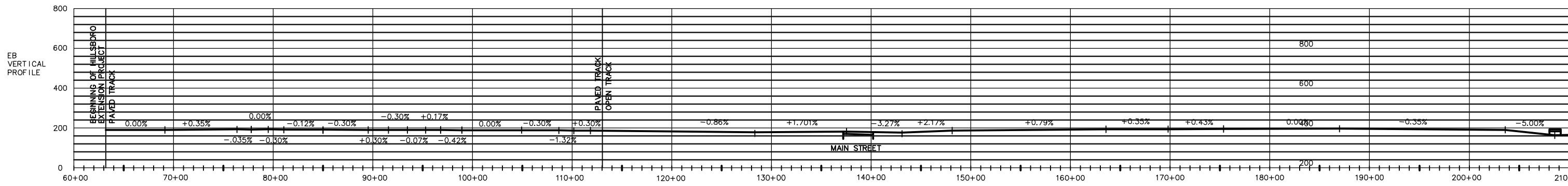
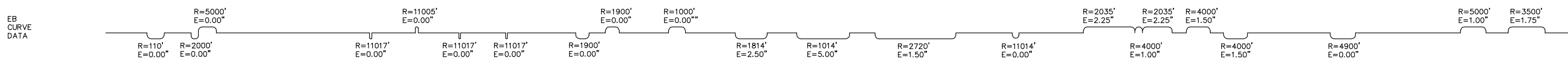
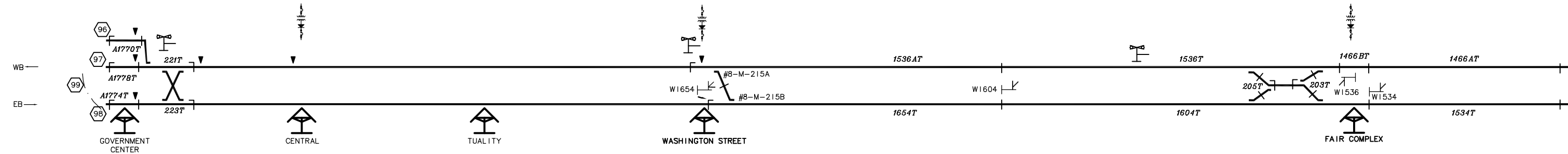
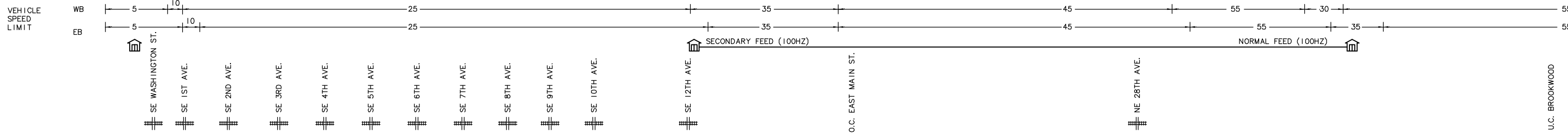
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			GENERAL DRAWINGS								
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	J15G-014		SINGLE LINE DIAGRAM								
	J15G-015		SINGLE LINE DIAGRAM								
	J15G-016		SINGLE LINE DIAGRAM								
	J15G-017		SINGLE LINE DIAGRAM								

R:\15-CD DUMPI\TYPE 5 LRV\LRV5-001.dwg, 7/11/2011 7:34:34 AM, mcbfidej

				DESIGNED JHM DATE		TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON				PORTLAND TO MILWAUKIE LRT "TYPE 5" LRV REFERENCE DRAWINGS INDEX					
				DRAWN DATE		TRIMET				CAPITAL PROJECTS DIVISION 710 NE HOLLADAY STREET PORTLAND, OREGON 97232					
				CHECKED DATE		SUBMITTED: _____ DATE: _____				APPROVED: _____ DATE: _____					
				APPROVED DATE		SCALE: NTS				DRAWING NO.: LRV5-001		CONTRACT NO.: RH120160BW		SHEET NO.: _____	
NO.	DATE	BY	APPD.	REVISIONS											
		CHK.													

R:\15-CD DUMPI\TYPE 5 LR\VF\FIGXX1.dwg, 7/11/2011 7:32:36 AM, mcbtldj

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17, 2000 - 10:38:17 SYSTEMS FIGXX1.DWG

NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	DATE
DRAWN	DATE
CHECKED	DATE
APPROVED	DATE

CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

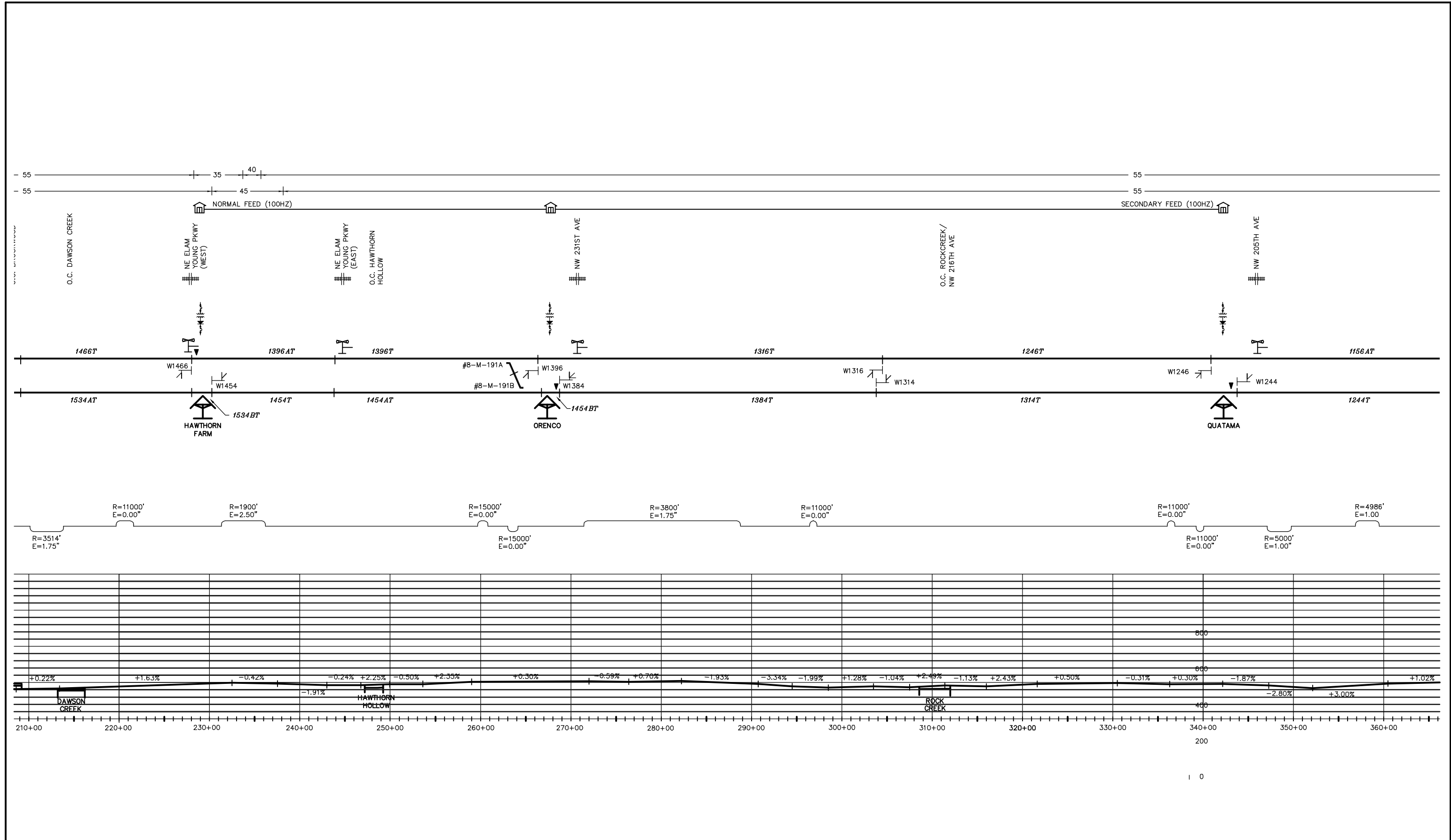
SUBMITTED:	DATE:	APPROVED:	DATE:

EAST/WEST LINE PROFILE
 FIGURE 2-7
 SHEET 1 OF 12

SCALE: 1" = 500'	DRAWING NO.: FIGXX1	CONTRACT NO.:	SHEET NO.:

R:\15-CD DUMPI\TYPE 5 LRV\FIGXX2.dwg, 7/11/2011 7:33:18 AM, mcbfbdj

17, 2000 - 10:42:33 SYSTEMS FIGXX2.DWG



NO.	DATE	BY	APPD.	REVISIONS

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DRAWN	DATE
CHECKED	DATE
APPROVED	DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

TRI MET

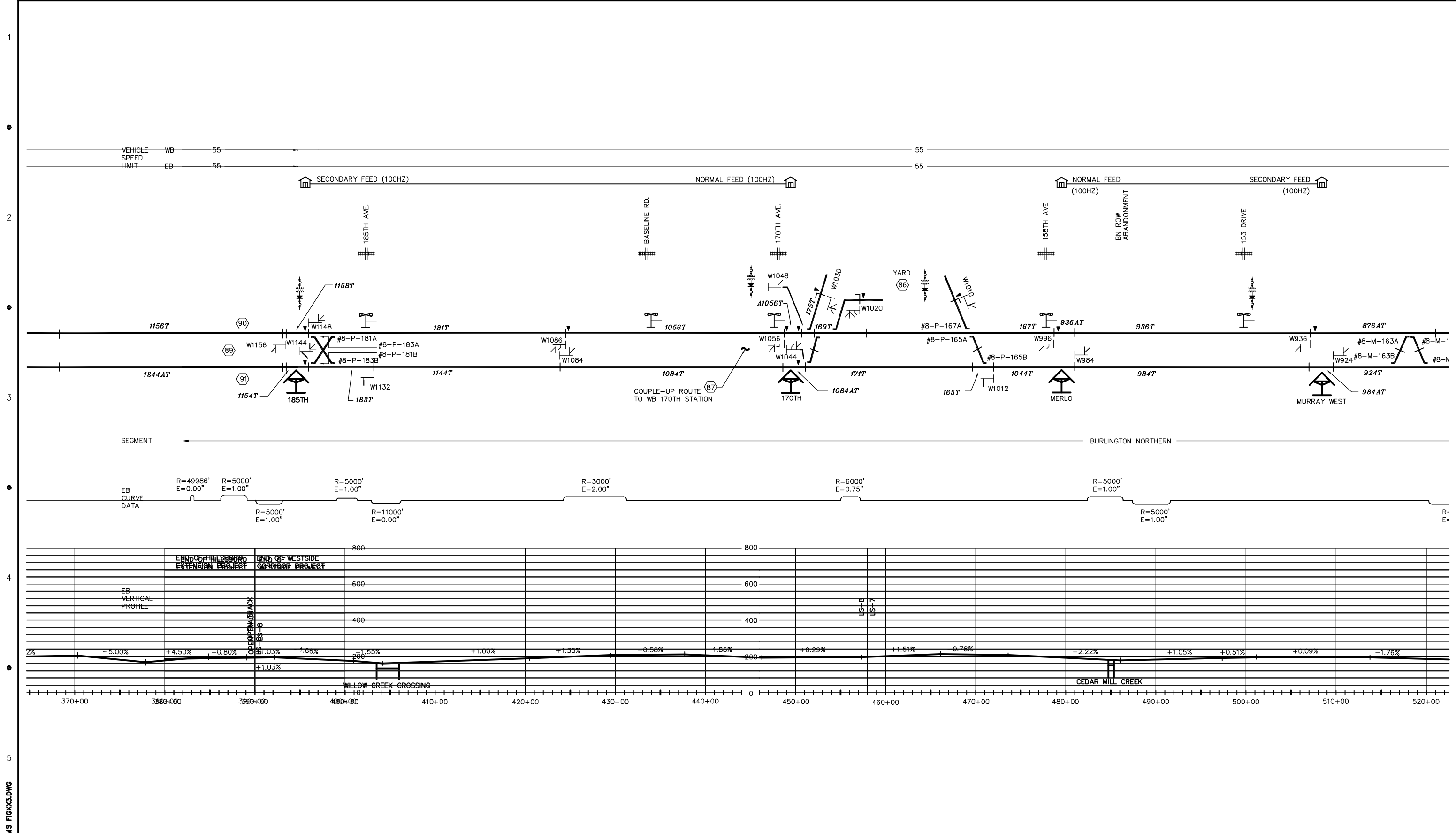
CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED:	DATE:	APPROVED:	DATE:
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EAST/WEST LINE PROFILE
 FIGURE 2-7
 SHEET 2 OF 12

SCALE:	1" = 500'	DRAWING NO.:	FIGXX2	CONTRACT NO.:		SHEET NO.:	
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R:\15-CD DUMPTYPE 5 LRV\FIGXX3.dwg, 7/11/2011 7:33:22 AM, mcbidj



NO.	DATE	BY	APPD.	REVISIONS

DESIGNED _____ DATE _____

DRAWN _____ DATE _____

CHECKED _____ DATE _____

APPROVED _____ DATE _____

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

TRI MET CAPITAL PROJECTS DIVISION
710 NE HOLLADAY STREET
PORTLAND, OREGON 97232

SUBMITTED: _____ DATE: _____ APPROVED: _____ DATE: _____

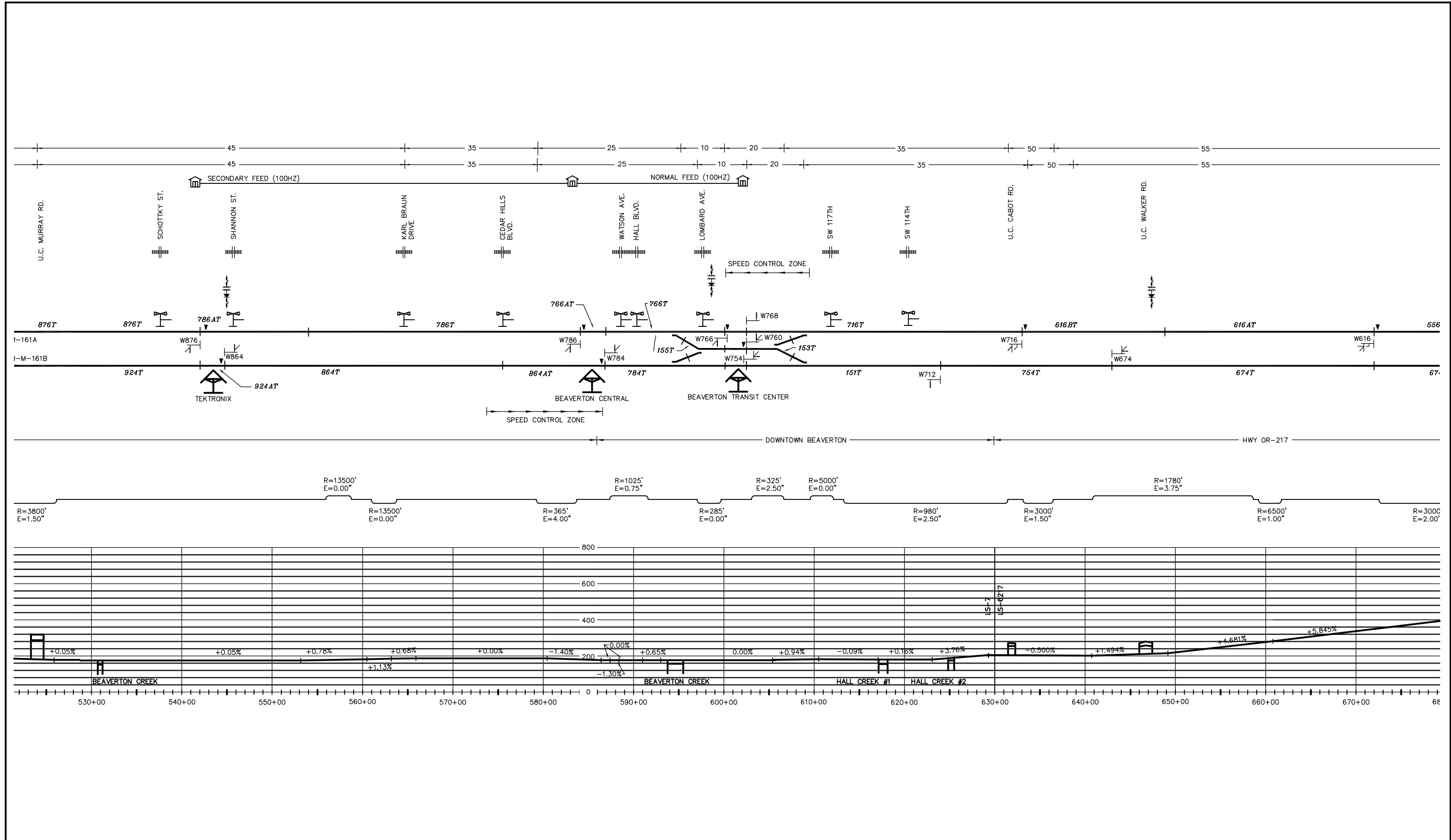
EAST/WEST LINE PROFILE
FIGURE 2-7
SHEET 3 OF 12

SCALE: 1" = 500'

DRAWING NO.: FIGXX3 CONTRACT NO.: _____ SHEET NO.: _____


R:\15-CD DUMPTYPE 5 LRV\FIGXX4.dwg, 7/11/2011 7:33:26 AM, mcbridej


17, 2000 - 10:59:35 SYSTEMS FIGXX4.DWG



NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	DATE
DRAWN	DATE
CHECKED	DATE
APPROVED	DATE


TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON


TRIMET

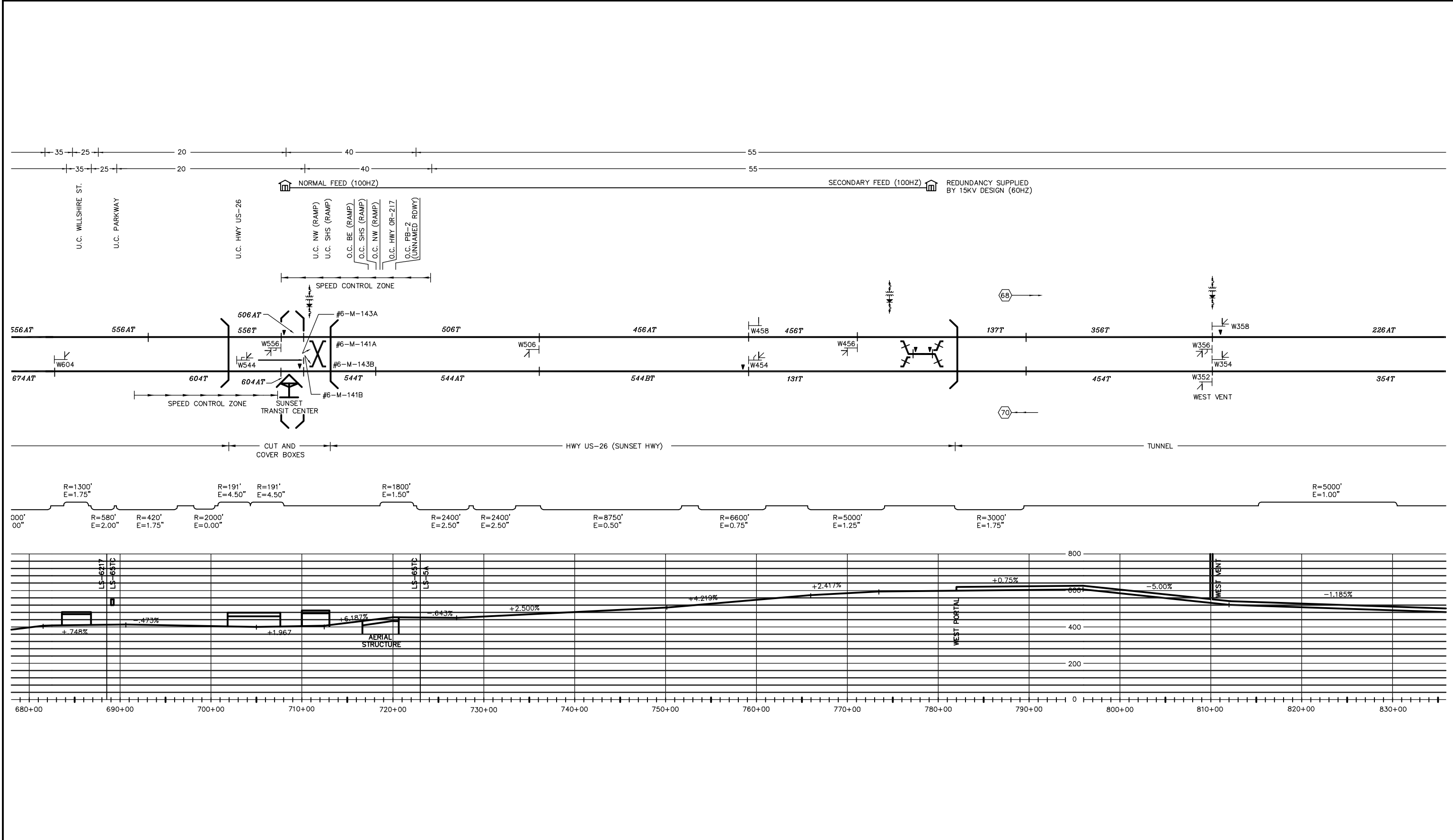
CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

EAST/WEST LINE PROFILE
 FIGURE 2-7
 SHEET 4 OF 12

SUBMITTED:	DATE:	APPROVED:	DATE:	SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
				1" = 500'	FIGXX4		

R:\15-CD DUMPI\TYPE 5 LRV\FIGXX5.dwg, 7/11/2011 7:33:30 AM, mcbidlej

17, 2000 - 11:00:19 SYSTEMS FIGXX5.DWG



NO.	DATE	BY	APPD.	REVISIONS

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CHECKED	DATE
APPROVED	DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

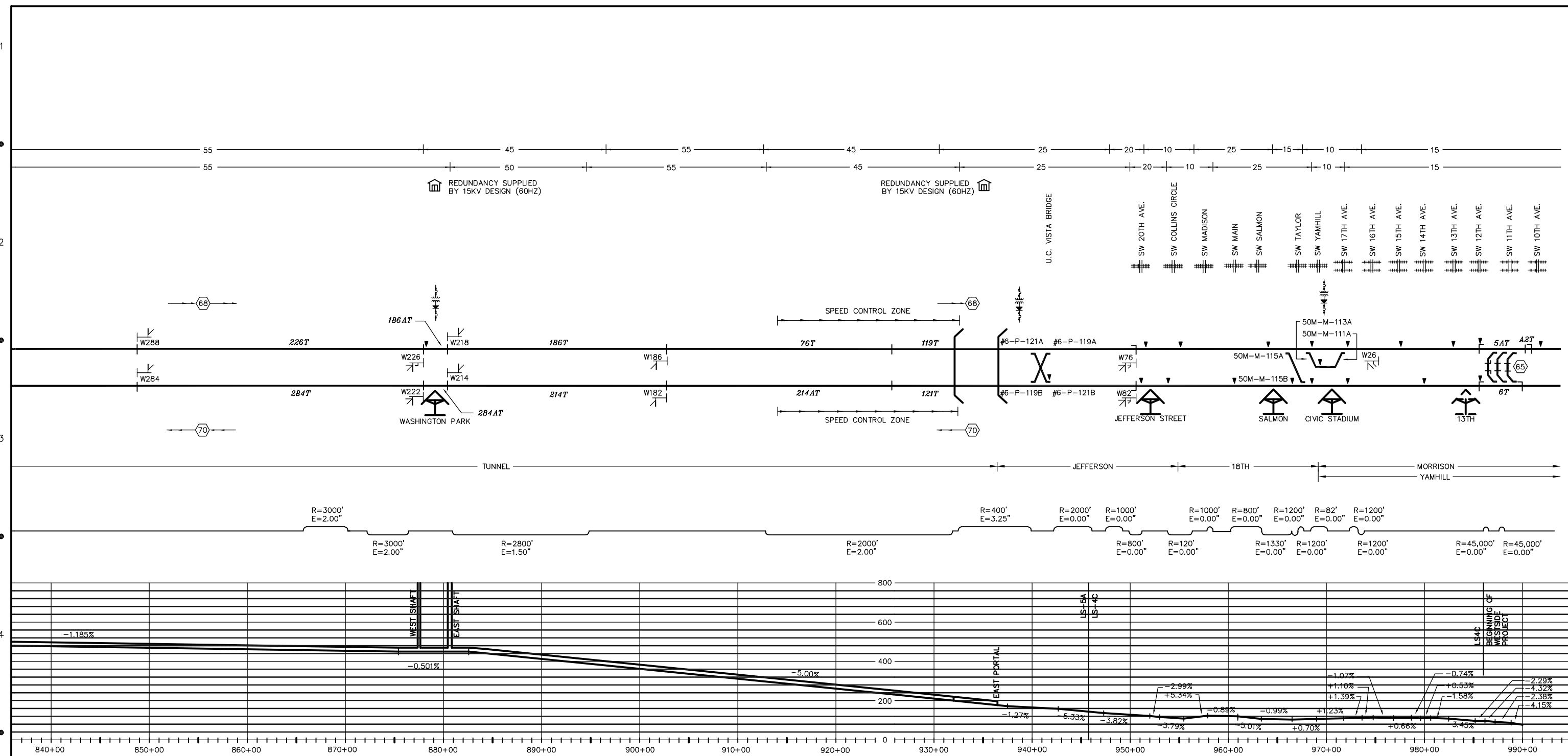
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CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

EAST/WEST LINE PROFILE
 FIGURE 2-7
 SHEET 5 OF 12

SUBMITTED:	DATE:	APPROVED:	DATE:	SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
				1" = 500'	FIGXX5		

R:\15-CD DUMPI\TYPE 5 LRV\FIG\XX6.dwg, 7/11/2011 7:33:35 AM, mcbfidej
 17, 2000 - 11:02:28 SYSTEMS FIGXX6.DWG



NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	DATE
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CHECKED	DATE
APPROVED	DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

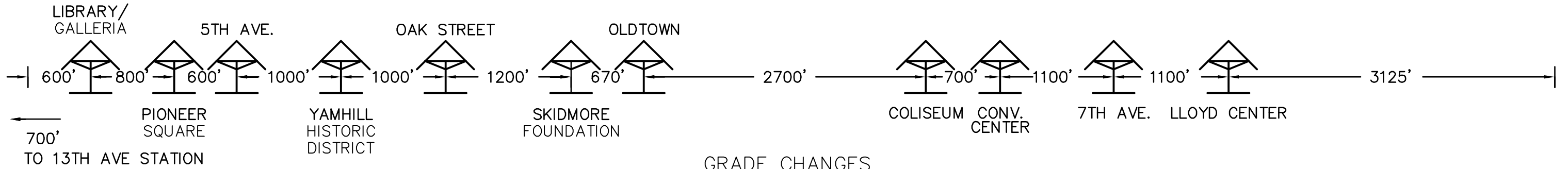
TRI MET CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED: _____ DATE: _____ APPROVED: _____ DATE: _____

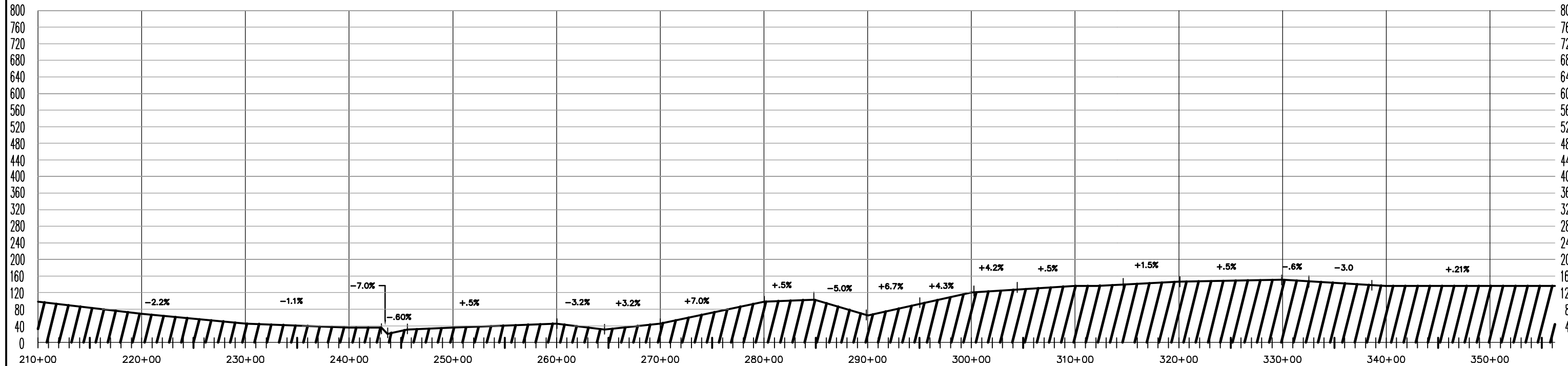
EAST/WEST LINE PROFILE
 FIGURE 2-7
 SHEET 6 OF 12

SCALE: 1" = 500'
 DRAWING NO.: FIGXX6
 CONTRACT NO.: _____
 SHEET NO.: _____

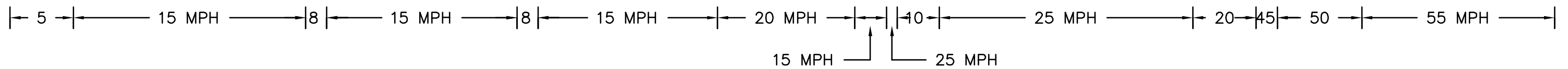
STATION LOCATIONS



GRADE CHANGES



SPEED LIMIT



REMEMBER TO WATCH OUT FOR L'SCALE. 13TH AVE STATION IS DASHED.

R:\15-CD DUMPI\TYPE 5 LRV\FIGXX10.dwg, 7/1/2011 7:32:59 AM, mcborleij
 or 21, 2000 - 08:48:37 LRVY FIGXX10.DWG

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TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

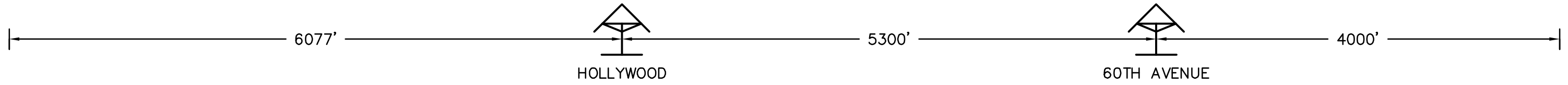
TRIMET CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED: DATE: APPROVED: DATE:

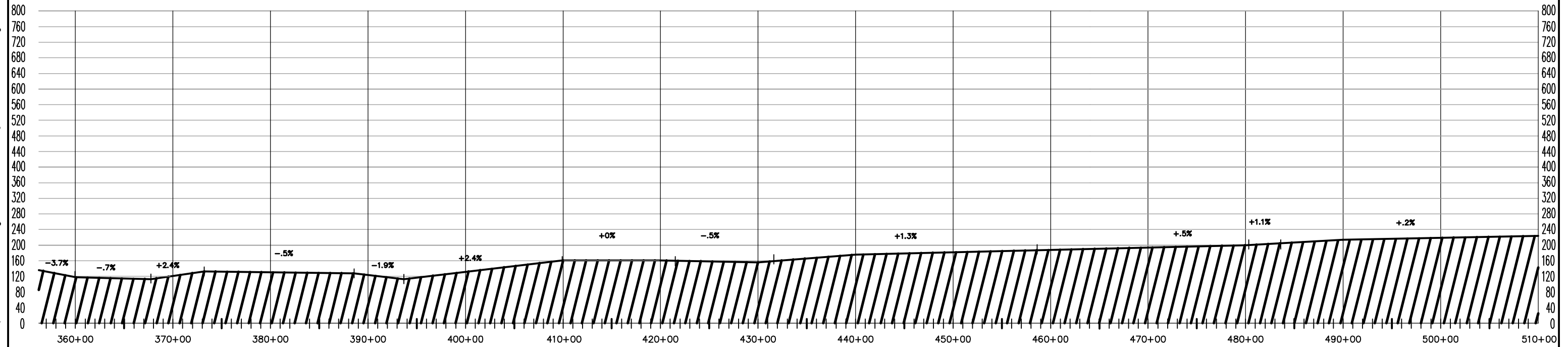
EAST/WEST LINE PROFILE
 FIGURE 2-7
 SHEET 7 OF 12

SCALE: NTS DRAWING NO.: FIGXX10 CONTRACT NO.: SHEET NO.:

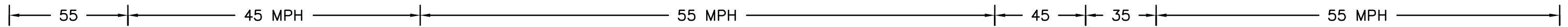
STATION LOCATIONS



GRADE CHANGES



SPEED LIMIT



R:\15-CD DUMPI\TYPE 5 LRV\FIGXX11.dwg, 7/1/2011 7:33:02 AM, mcborfej
 27, 2000 - 07:19:43 SYSTEMS FIGXX11.DWG

NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	DATE
DRAWN	DATE
CHECKED	DATE
APPROVED	DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON
TRI MET CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED:	DATE:	APPROVED:	DATE:
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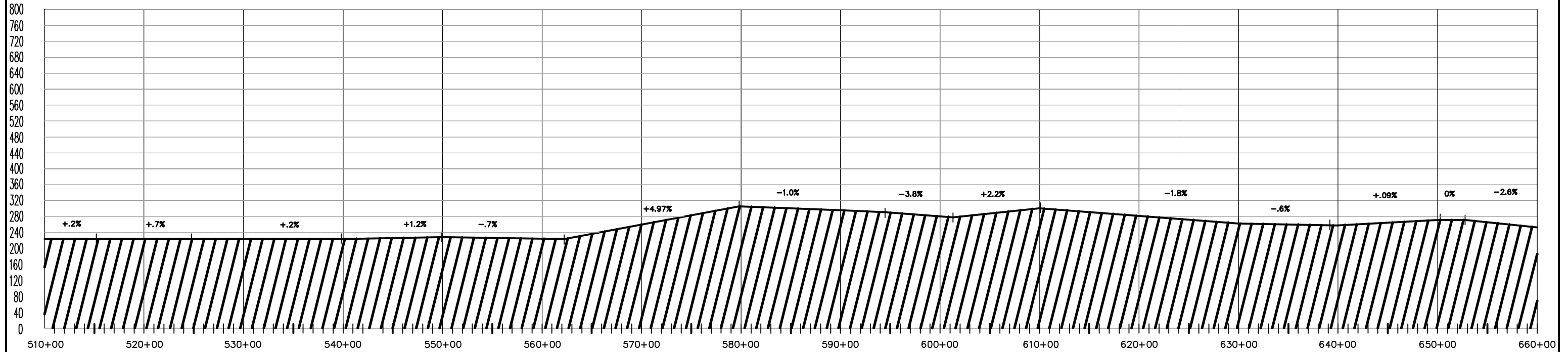
EAST/WEST LINE PROFILE
 FIGURE 2-7
 SHEET 8 OF 12

SCALE: NTS	DRAWING NO.: FIGXX11	CONTRACT NO.:	SHEET NO.:
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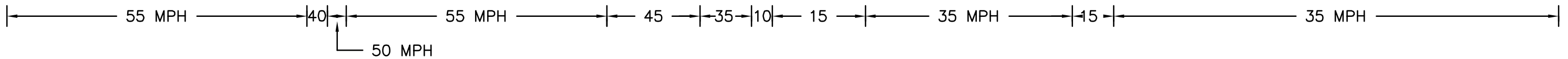
STATION LOCATIONS



GRADE CHANGES





SPEED LIMIT



R:\15-CD DUMPI\TYPE 5 LRV\FIGXX12.dwg, 7/1/2011 7:33:05 AM, mcborliej
 27, 2000 - 07:21:29 SYSTEMS FIGXX12.DWG

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		CHK.		

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CHECKED	DATE
APPROVED	DATE

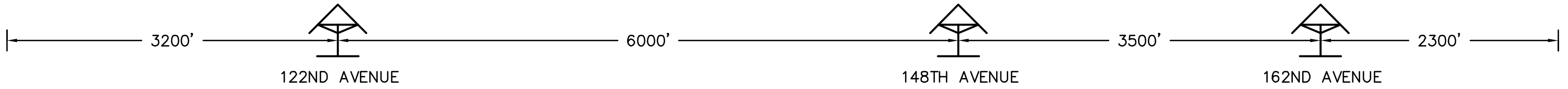

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

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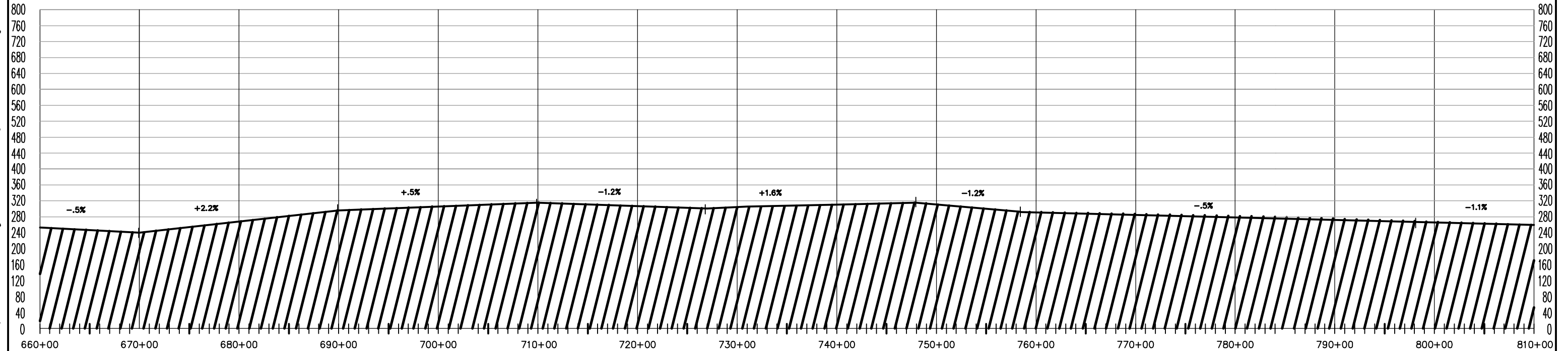
EAST/WEST LINE PROFILE
 FIGURE 2-7
 SHEET 9 OF 12

SCALE:	NTS	DRAWING NO.:	FIGXX12	CONTRACT NO.:		SHEET NO.:	
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STATION LOCATIONS



GRADE CHANGES



SPEED LIMIT



R:\15-CD DUMPI\TYPE 5 LRV\FIGXX13.dwg, 7/1/2011 7:33:08 AM, mcborlfej
 27, 2000 - 07:21:29 SYSTEMS FIGXX12.DWG

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		CHK.		

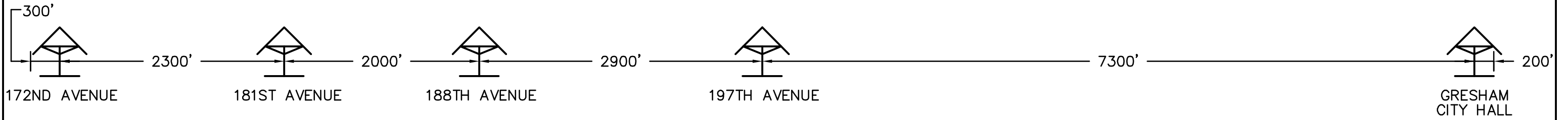
TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON
TRI MET CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED:	DATE:	APPROVED:	DATE:
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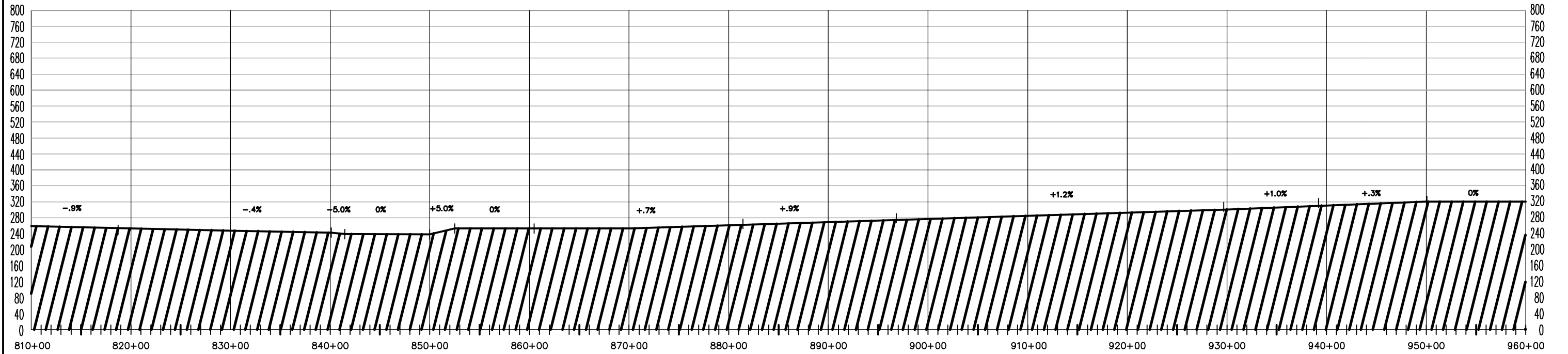
EAST/WEST LINE PROFILE
 FIGURE 2-7
 SHEET 10 OF 12

SCALE:	NTS	DRAWING NO.:	FIGXX13	CONTRACT NO.:		SHEET NO.:	
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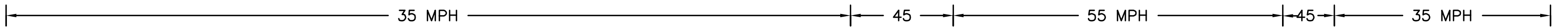
STATION LOCATIONS



GRADE CHANGES



SPEED LIMIT



R:\15-CD DUMPI\TYPE 5 LRV\FIGXX14.dwg, 7/1/2011 7:33:11 AM, mcborfej
 27, 2000 - 07-28-09 SYSTEMS FIGXX14.DWG

				DESIGNED	DATE	TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON CAPITAL PROJECTS DIVISION 710 NE HOLLADAY STREET PORTLAND, OREGON 97232				EAST/WEST LINE PROFILE FIGURE 2-7 SHEET 11 OF 12				
				DRAWN	DATE									
				CHECKED	DATE									
				APPROVED	DATE	TRI MET CAPITAL PROJECTS DIVISION 710 NE HOLLADAY STREET PORTLAND, OREGON 97232				SCALE: NTS DRAWING NO.: FIGXX14 CONTRACT NO.: SHEET NO.:				
NO.	DATE	BY	APPD.	SUBMITTED:		DATE:	APPROVED:		DATE:	SCALE:		DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
		CHK.										FIGXX14		

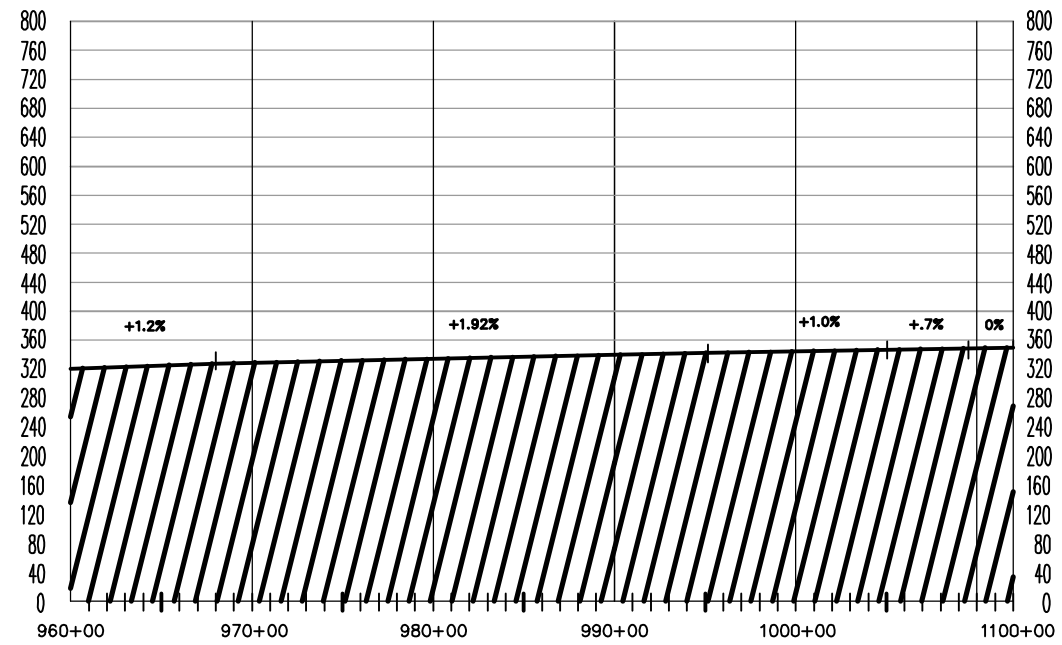
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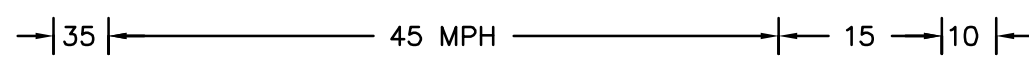
STATION LOCATIONS



GRADE CHANGES



SPEED LIMIT



NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	DATE
DRAWN	DATE
CHECKED	DATE
APPROVED	DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON
TRI MET CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

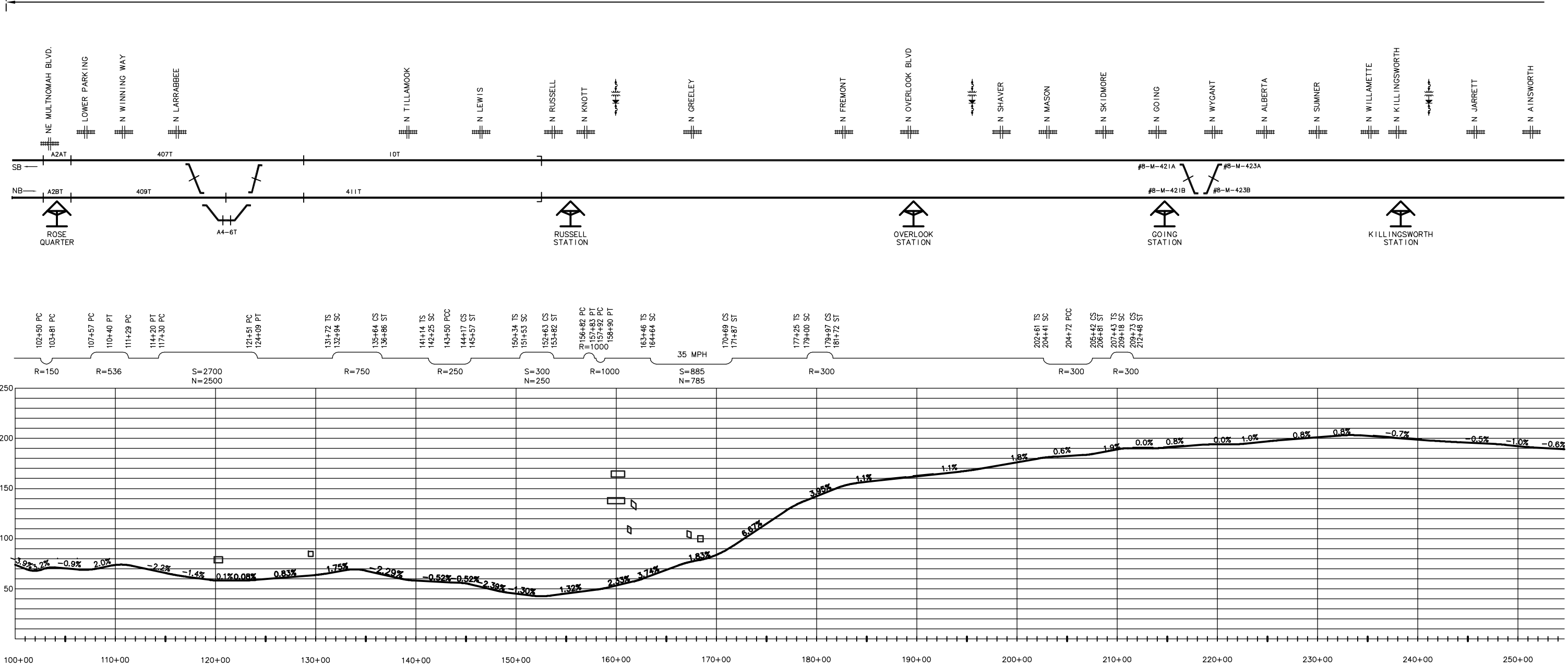
SUBMITTED:	DATE:	APPROVED:	DATE:
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EAST/WEST LINE PROFILE
 FIGURE 2-7
 SHEET 12 OF 12

SCALE: NTS	DRAWING NO.: FIGXX15	CONTRACT NO.:	SHEET NO.:
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 DWGNAME:
 JNM210.dwg
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 CB DATE:
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 Monday
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 L UPDATE:
 7:34 am
 Tuesday
 Jun 15 1999
 PLOT BY:
 STATION:
 PLOT TIME:
 7:36 am
 Tuesday
 Jun 15 1999

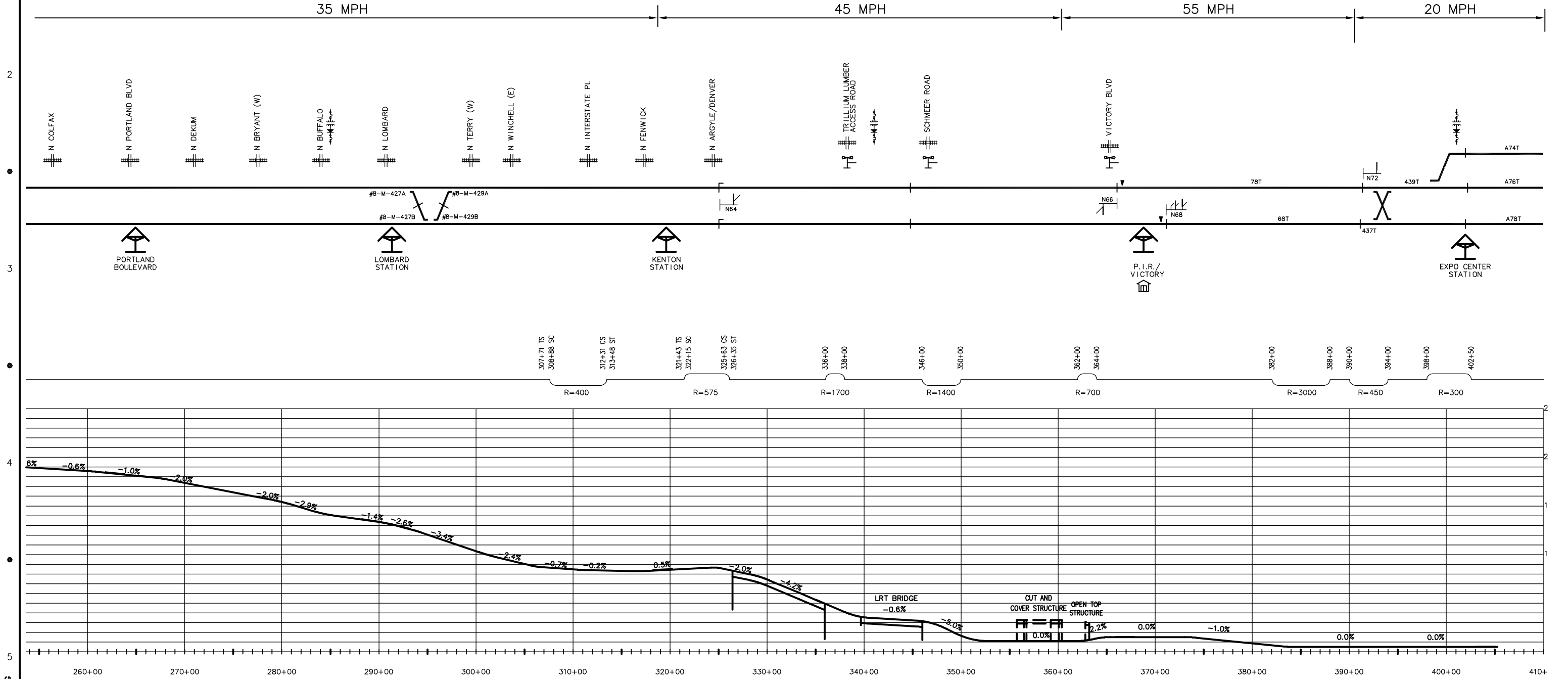
35 MPH



R:\15-CD DUMPTYPE 5 LRV\FIGXX8.dwg, 7/11/2011 7:33:38 AM, mcbtdlej
 17, 2000 - 11:08:37 SYSTEMS FIGXX8.DWG

				TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON				NORTH INTERSTATE LINE PROFILE FIGURE 2-9 SHEET 1 OF 2			
DESIGNED		DATE				CAPITAL PROJECTS DIVISION 710 NE HOLLADAY STREET PORTLAND, OREGON 97232		SCALE: 1" = 500' DRAWING NO.: FIGXX8 CONTRACT NO.: SHEET NO.:			
DRAWN		DATE									
CHECKED		DATE									
APPROVED		DATE		SUBMITTED:		DATE:		APPROVED:		DATE:	

XREFS:
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 JNM210.dwg
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 CB DATE:
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 PLOT BY:
 STATION:
 PLOT TIME:
 7:36 am
 Tuesday
 Jun 15 1999



R:\15-CD DUMPI\TYPE 5 LRV\FIG\XX9.dwg, 7/11/2011 7:33:43 AM, mcbfidej
 17, 2000 - 11:13:32 SYSTEMS FIGXX9.DWG

DESIGNED	DATE
DRAWN	DATE
CHECKED	DATE
APPROVED	DATE

NO.	DATE	BY	APPD.	REVISIONS

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED:	DATE:	APPROVED:	DATE:
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NORTH INTERSTATE LINE PROFILE
 FIGURE 2-9
 SHEET 2 OF 2

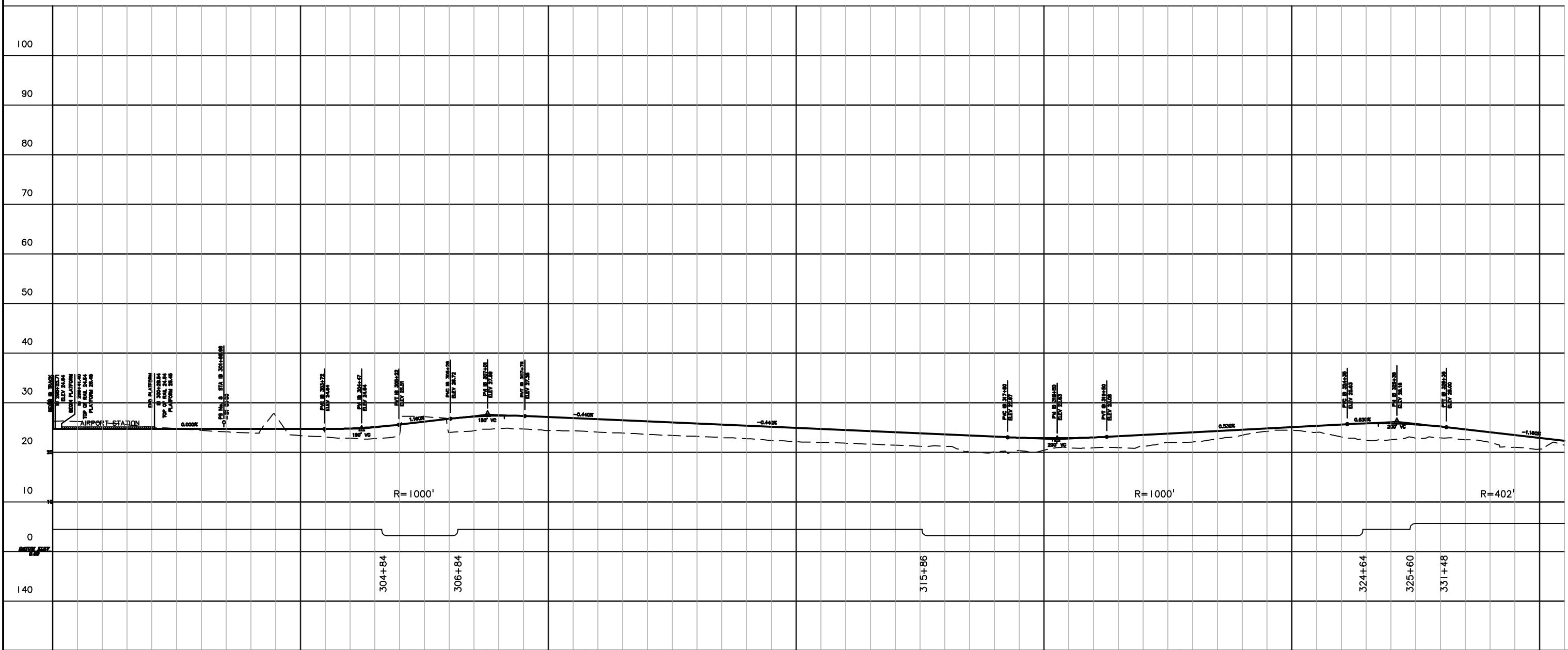
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1" = 500'	FIGXX9		

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 JNM210.dwg
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 Monday
 Feb 22 1999
 L_UPDATE:
 7:34 am
 Tuesday
 Jun 15 1999
 PLOT BY:
 STATION:
 PLOT TIME:
 7:36 am
 Tuesday
 Jun 15 1999



20 MPH

30 MPH

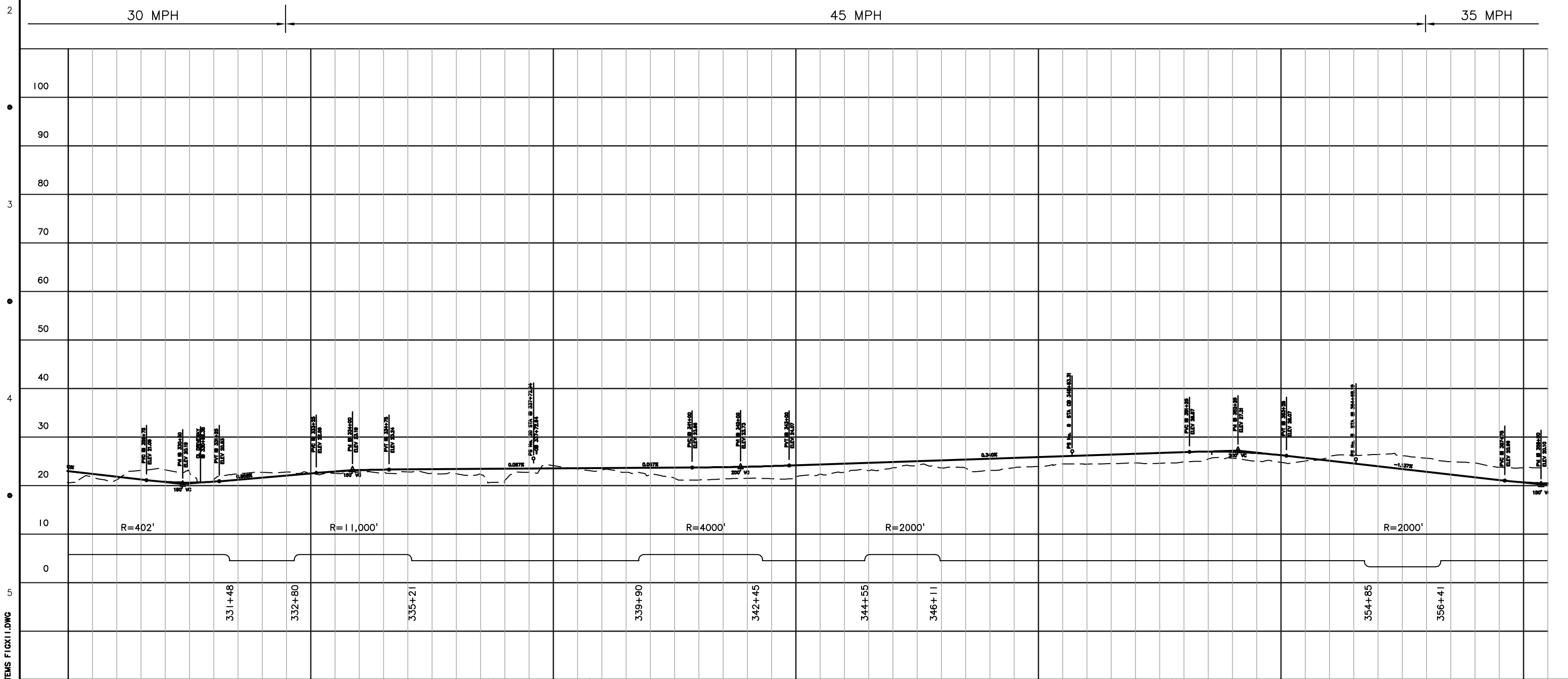


R:\15-CD DUMPTYPE 5 LRV\FIGX10.dwg, 7/1/2011 7:31:28 AM, mcbridej
 Jun 17, 2000 - 11:13:32 SYSTEMS FIGX10.DWG

				LC DESIGNED DATE 1-00					AIRPORT LINE PROFILE FIGURE 2-8 SHEET 1 OF 10						
				BAL DRAWN DATE 1-00					CAPITAL PROJECTS DIVISION 710 NE HOLLADAY STREET PORTLAND, OREGON 97232						
				CHECKED	DATE										
				APPROVED	DATE										
NO.	DATE	BY	APPD.	REVISIONS				SUBMITTED:				DATE:			
		CHK.						APPROVED:				DATE:			
								SCALE: 1" = 500'				DRAWING NO.: FIGX10			
												CONTRACT NO.:			
												SHEET NO.:			

XREFS:
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 DWGNAME:
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 Feb 22 1999
 L UPDATE:
 7:34 am
 Tuesday
 Jun 15 1999
 PLOT BY:
 STATION:
 PLOT TIME:
 7:36 am
 Tuesday
 Jun 15 1999

AIR CARGO ROAD



R:\15-CD DUMPTYPE 5 LRV\FIGX11.dwg, 7/1/2011 7:31:59 AM, mcbridej
 17, 2000 - 13:28:40 SYSTEMS FIGX11.DWG

NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	LC	1-00	DATE
DRAWN	BAL	1-00	DATE
CHECKED			DATE
APPROVED			DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

TRI MET

CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED:	DATE:	APPROVED:	DATE:
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AIRPORT LINE PROFILE
 FIGURE 2-8
 SHEET 2 OF 10

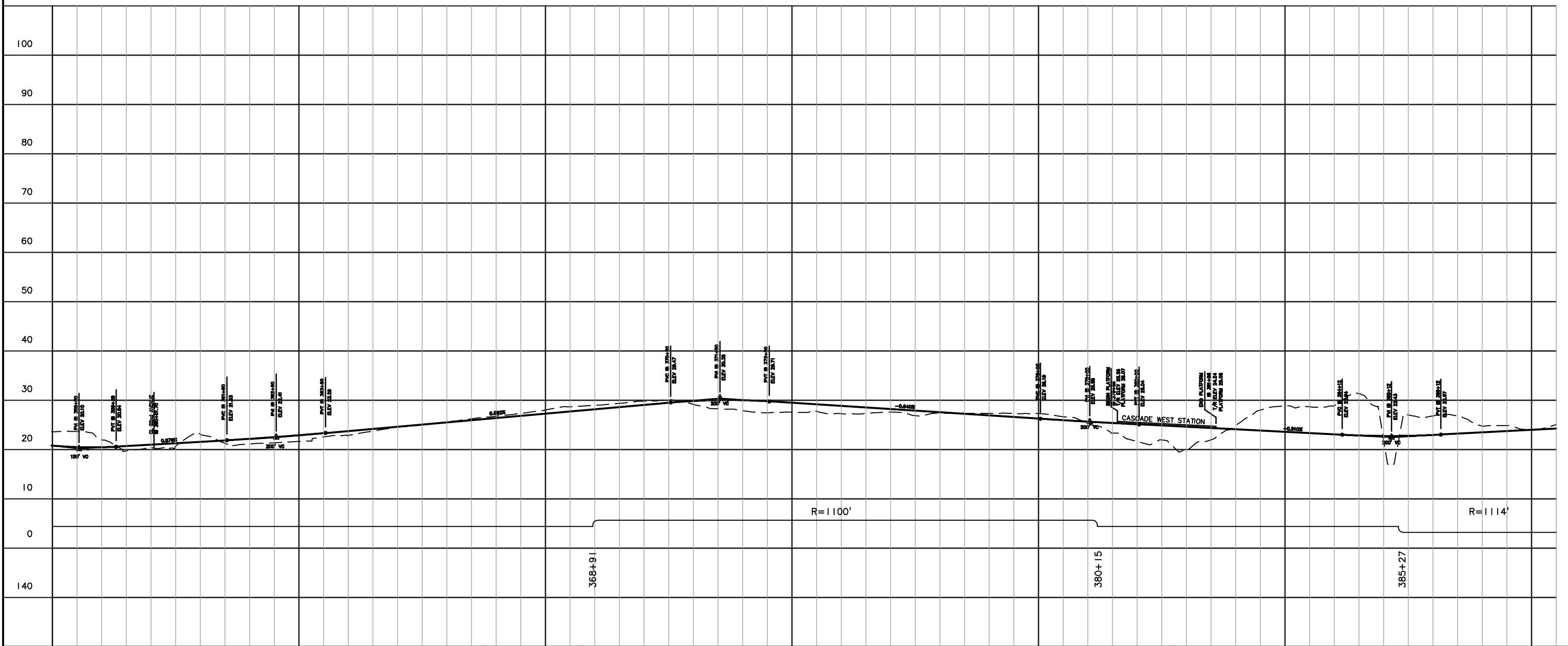
SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
1" = 500'	FIG11		

XREFS:
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 JNM210.dwg
 LOCATION:
 CR_DATE:
 3:02 pm
 Monday
 Feb 22 1999
 L_UPDATE:
 7:34 am
 Tuesday
 Jun 15 1999
 PLOT BY:
 STATION:
 PLOT TIME:
 7:36 am
 Tuesday
 Jun 15 1999

SE 82ND



35 MPH



R:\15-CD DUMPI\TYPE 5 LR\VF\FIG12.dwg, 7/1/2011 7:32:03 AM, mcbridej
 Jun 17, 2000 - 13:31:41 SYSTEMS FIG12.DWG

DESIGNED	LC	1-00	DATE
DRAWN	BAL	1-00	DATE
CHECKED			DATE
APPROVED			DATE

NO.	DATE	BY	APPD.	REVISIONS

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

TRI MET

CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED:	DATE:	APPROVED:	DATE:
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AIRPORT LINE PROFILE
 FIGURE 2-8
 SHEET 3 OF 10

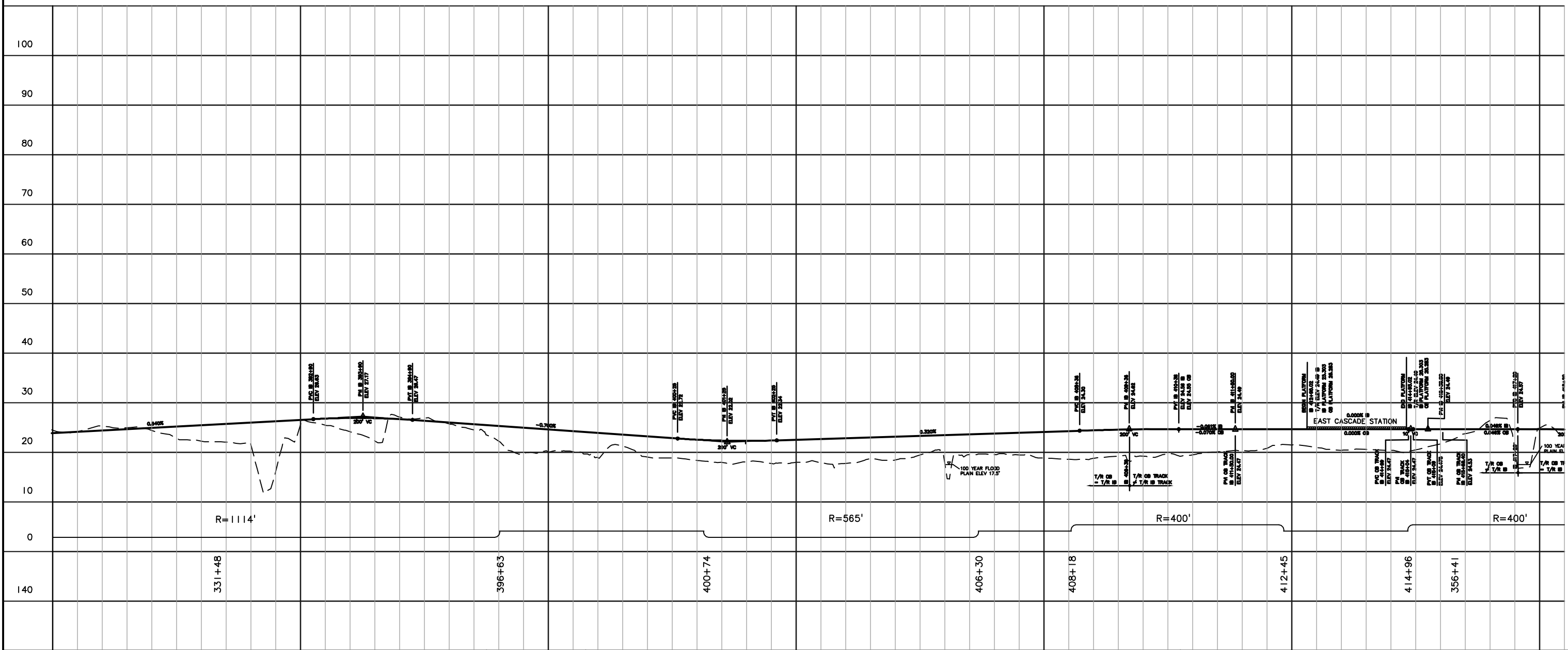
SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
1" = 500'	FIG12		

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 Monday
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 7:34 am
 Tuesday
 Jun 15 1999
 PLOT BY:
 STATION:
 PLOT TIME:
 7:36 am
 Tuesday
 Jun 15 1999



35 MPH

25 MPH



R:\15-CD DUMPI\TYPE 5 LRV\FIGX13.dwg, 7/11/2011 7:32:07 AM, mcbridej
 in 17, 2000 - 13:32:54 SYSTEMS FIGX13.DWG

NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	LC	1-00	DATE
DRAWN	BAL	1-00	DATE
CHECKED			DATE
APPROVED			DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

TRI MET

CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED:	DATE:	APPROVED:	DATE:
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AIRPORT LINE PROFILE
 FIGURE 2-8
 SHEET 4 OF 10

SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
1" = 500'	FIGX13		

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 STATION:
 PLOT TIME:
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 Tuesday
 Jun 15 1999

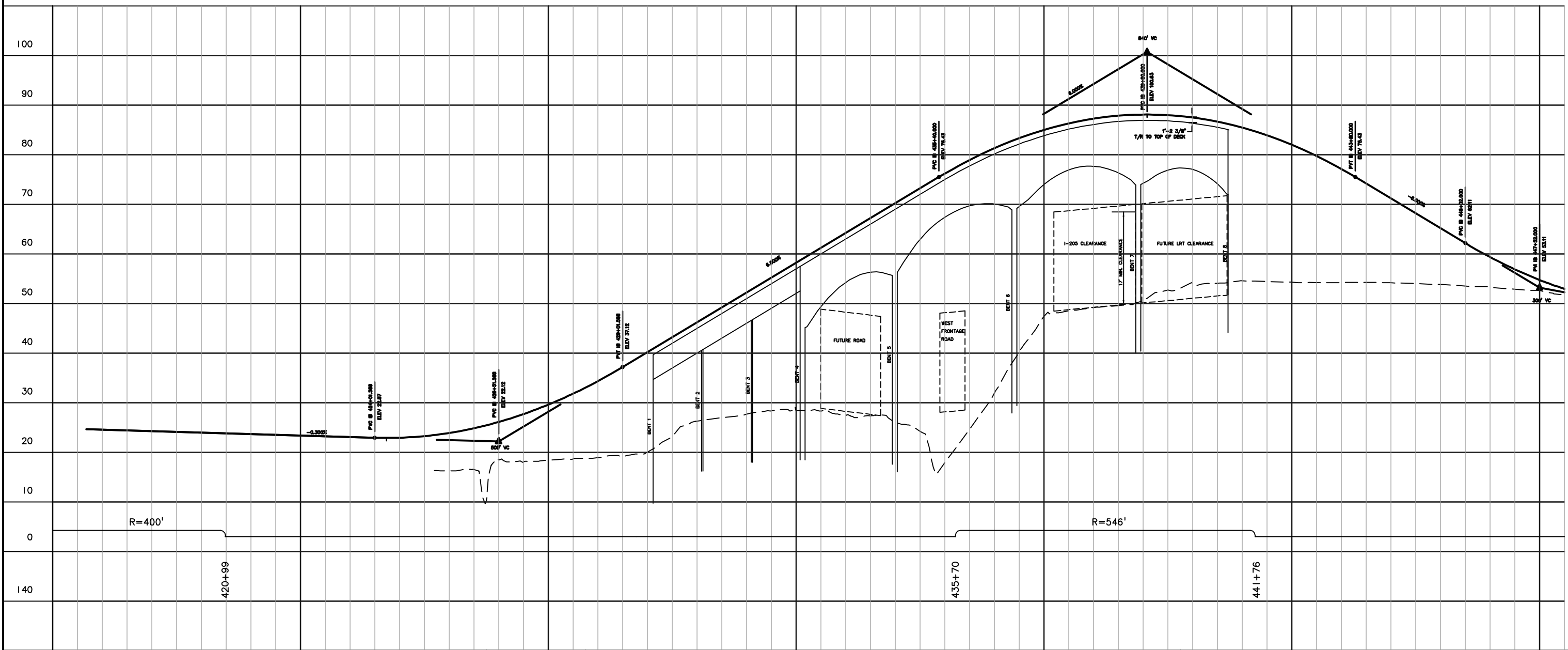
O.C. ALDERWOOD ROAD

O.C. I-205 BRIDGE

25 MPH

35 MPH

55 MPH



R:\15-CD DUMPI\TYPE 5 LRV\FIGX14.dwg, 7/1/2011 7:32:11 AM, mcbridej
 17, 2000 - 13:33:54 SYSTEMS FIGX14.DWG

NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	LC	1-00	DATE
DRAWN	BAL	1-00	DATE
CHECKED			DATE
APPROVED			DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED:	DATE:	APPROVED:	DATE:
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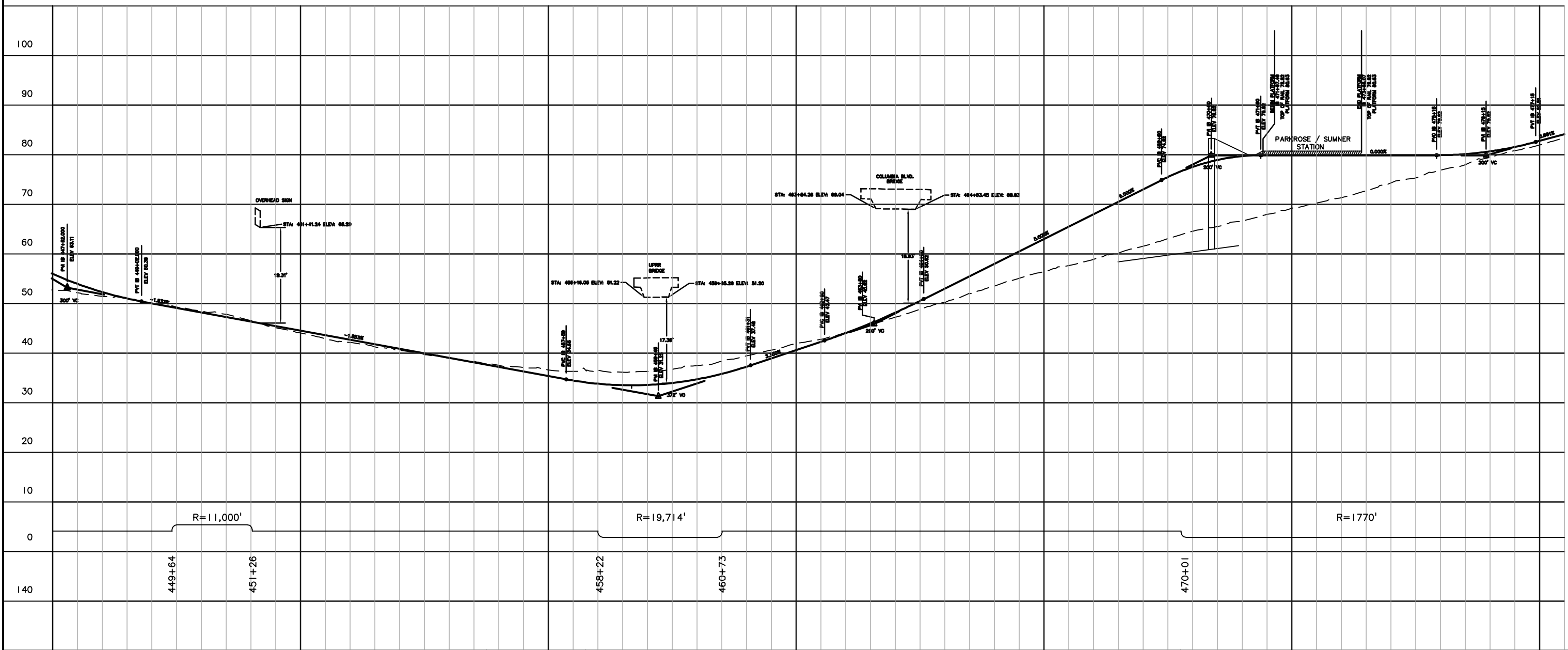
AIRPORT LINE PROFILE
 FIGURE 2-8
 SHEET 5 OF 10

SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
1" = 500'	FIGX14		

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 \mabase.dwg
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 CR DATE:
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 Monday
 Feb 22 1999
 L UPDATE:
 7:34 am
 Tuesday
 Jun 15 1999
 PLOT BY:
 STATION:
 PLOT TIME:
 7:36 am
 Tuesday
 Jun 15 1999



55 MPH



R:\15-CD DUMPTYPE 5 LRV\FIG15.dwg, 7/11/2011 7:32:15 AM, mcbridej
 Jun 17, 2000 - 13:36:32 SYSTEMS FIG15.DWG

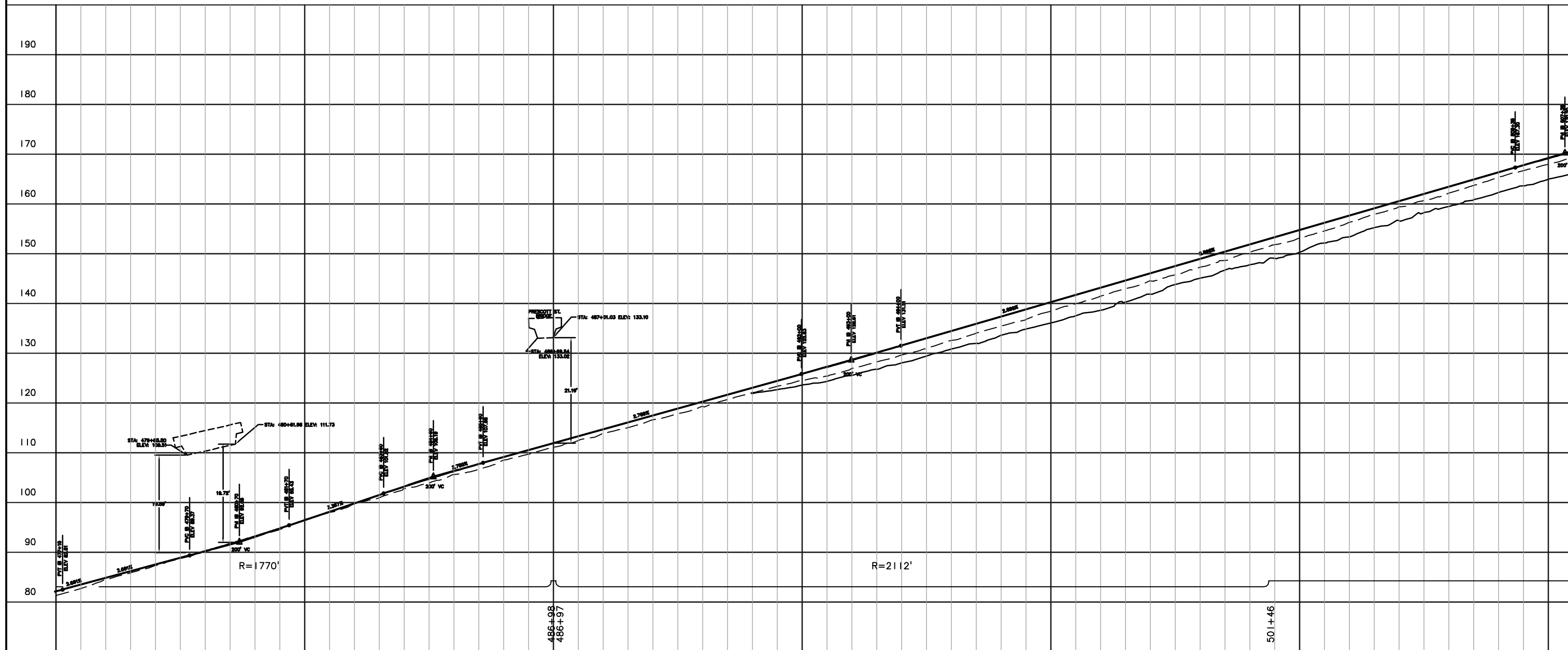
				TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON CAPITAL PROJECTS DIVISION 710 NE HOLLADAY STREET PORTLAND, OREGON 97232				AIRPORT LINE PROFILE FIGURE 2-8 SHEET 6 OF 10							
NO. DATE BY APPD. _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____		DESIGNED <u>1-00</u> DATE DRAWN <u>1-00</u> DATE CHECKED _____ DATE APPROVED _____ DATE		SUBMITTED: _____ DATE: _____		APPROVED: _____ DATE: _____		SCALE: <u>1" = 500'</u>		DRAWING NO.: <u>FIG15</u>		CONTRACT NO.: _____		SHEET NO.: _____	

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 L UPDATE:
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 STATION:
 PLOT TIME:
 7:36 am
 Tuesday
 Jun 15 1999

U.C. SANDY BLVD.

U.C. PRESCOTT STREET

55 MPH



R:\15-CD DUMP\TYPE 5 LR\VF\FIG16.dwg, 7/1/2011 7:32:19 AM, mcbridej
 Jun 17, 2000 - 13:38:20 SYSTEMS FIG16.DWG

NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	LC	1-00	DATE
DRAWN	BAL	1-00	DATE
CHECKED			DATE
APPROVED			DATE

486+98
 486+97

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON			
TRI-MET		CAPITAL PROJECTS DIVISION 710 NE HOLLADAY STREET PORTLAND, OREGON 97232	
SUBMITTED:	DATE:	APPROVED:	DATE:

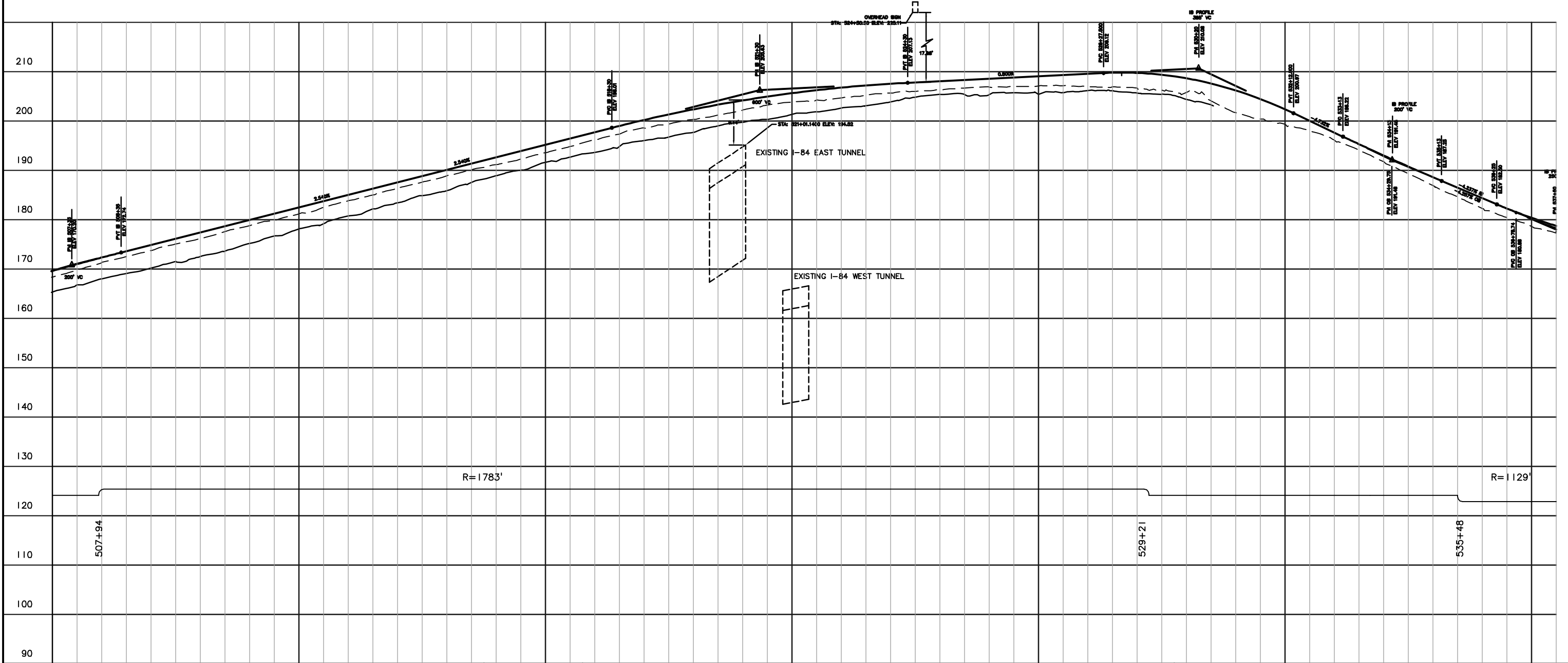
AIRPORT LINE PROFILE FIGURE 2-8 SHEET 7 OF 10			
SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
1" = 500'	FIGX16		

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 JNM210.dwg
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 Feb 22 1999
 L_UPDATE:
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 Tuesday
 Jun 15 1999
 PLOT BY:
 STATION:
 PLOT TIME:
 7:36 am
 Tuesday
 Jun 15 1999

2

55 MPH

50 MPH



R:\15-CD DUMPTYPE 5 LRV\FIGX17.dwg, 7/1/2011 7:32:23 AM, mcbridej
 Jun 17, 2000 - 13:43:32 SYSTEMS FIGX17.DWG

NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	LC	1-00	DATE
DRAWN	BAL	1-00	DATE
CHECKED			DATE
APPROVED			DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

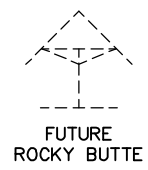
SUBMITTED:	DATE:	APPROVED:	DATE:
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AIRPORT LINE PROFILE
 FIGURE 2-8
 SHEET 8 OF 10

SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
1" = 500'	FIGX17		

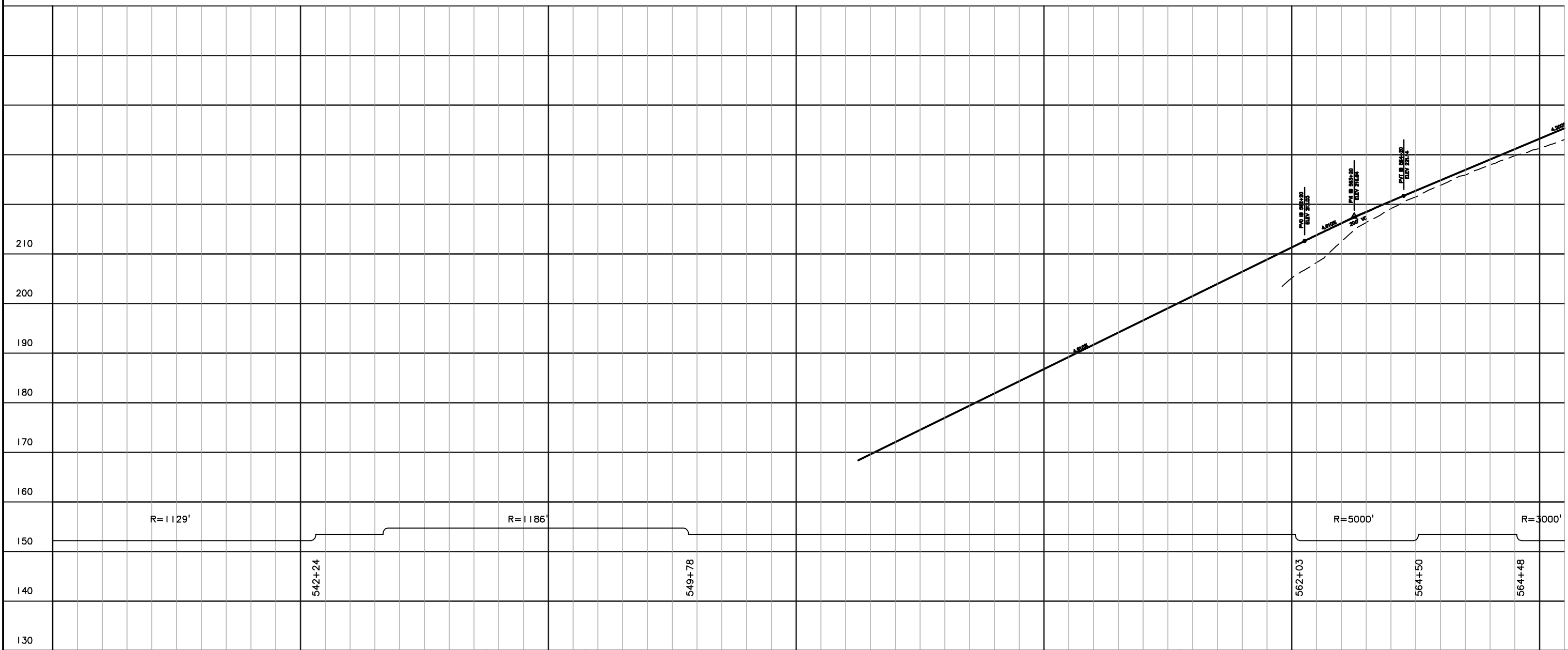
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 L_UPDATE:
 7:34 am
 Tuesday
 Jun 15 1999
 PLOT BY:
 STATION:
 PLOT TIME:
 7:36 am
 Tuesday
 Jun 15 1999

O.C. I-205 BRIDGE



50 MPH

55 MPH



R:\15-CD DUMPI\TYPE 5 LRV\FIGX18.dwg, 7/1/2011 7:32:27 AM, mcbridej
 Jun 17, 2000 - 13:47:42 SYSTEMS FIGX18.DWG

NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	LC	DATE	1-00
DRAWN	BAL	DATE	1-00
CHECKED		DATE	
APPROVED		DATE	

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON
 CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED: _____ DATE: _____
 APPROVED: _____ DATE: _____

AIRPORT LINE PROFILE
 FIGURE 2-8
 SHEET 9 OF 10

SCALE: 1" = 500'
 DRAWING NO.: FIGX18
 CONTRACT NO.: _____
 SHEET NO.: _____

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 \mabase.dwg
 DWGNAME:
 JNM210.dwg
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 L UPDATE:
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 Jun 15 1999
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 Jun 15 1999

O.C. UPRR

O.C. I-84

U.C. RAMP

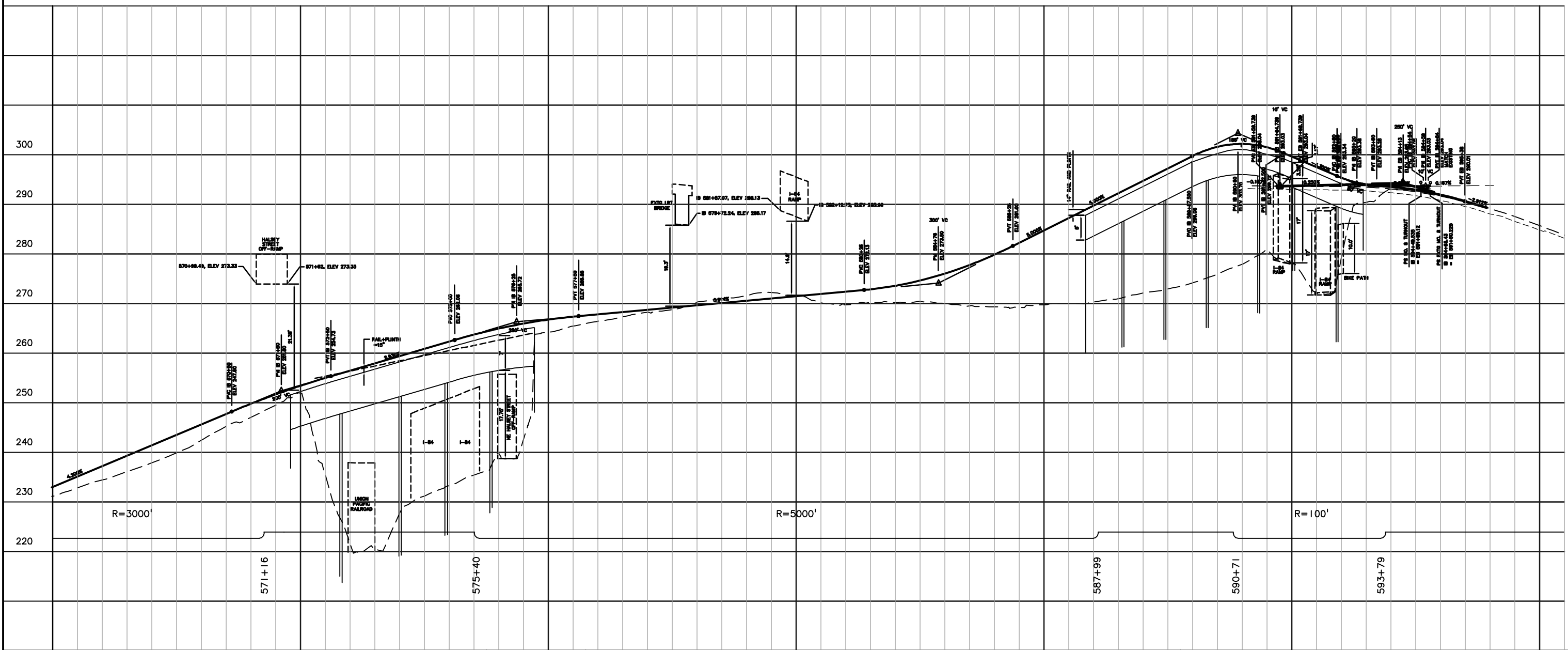
U.C. RAMP



55 MPH

30 MPH


10 MPH




R:\15-CD DUMPTYPE 5 LRV\FIGX19.dwg, 7/11/2011 7:32:31 AM, mcbridej
 17, 2000 - 13:51:49 SYSTEMS FIGX19.DWG

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DESIGNED	LC	1-00	DATE
DRAWN	BAL	1-00	DATE
CHECKED			DATE
APPROVED			DATE


TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON


CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

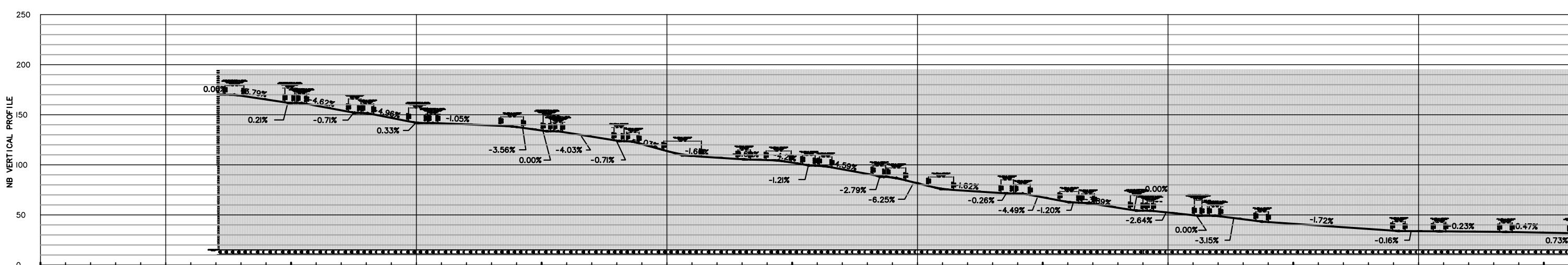
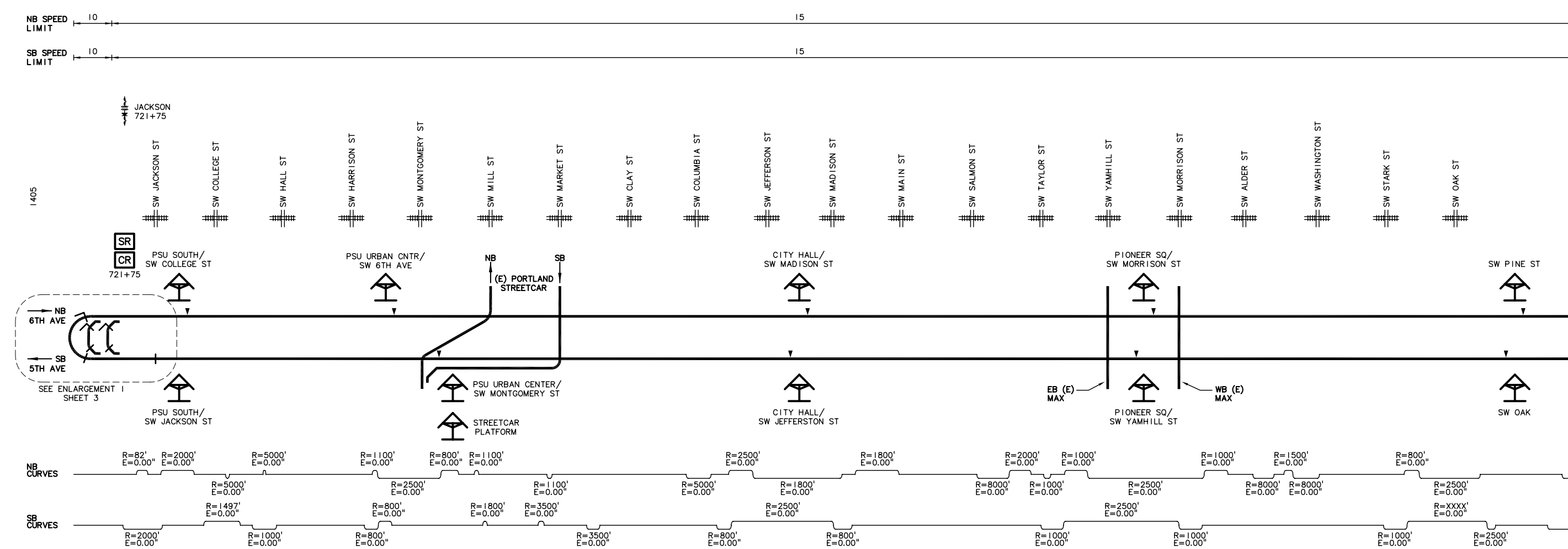
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AIRPORT LINE PROFILE
 FIGURE 2-8
 SHEET 10 OF 10

SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
1" = 500'	FIGX19		

XREF'S
 36-JSLD
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 scale: 1
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 PLOT TIME: 08:30



NO.	DATE	BY	APPD.	REVISIONS
9-1-05				PRELIMINARY ENGINEERING UPDATED AS BASIS FOR FINAL DESIGN

RKA/LAW	6/30/04
DESIGNED	DATE
JMM	6/30/04
DRAWN	DATE
RJM	9/30/04
CHECKED	DATE
DLP	9/30/04
APPROVED	DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

LTK
LTK Engineering Services

CAPITAL PROJECTS AND FACILITIES DIVISION
710 N.E. HOLLADAY STREET
PORTLAND, OREGON 97232

TRIOMET

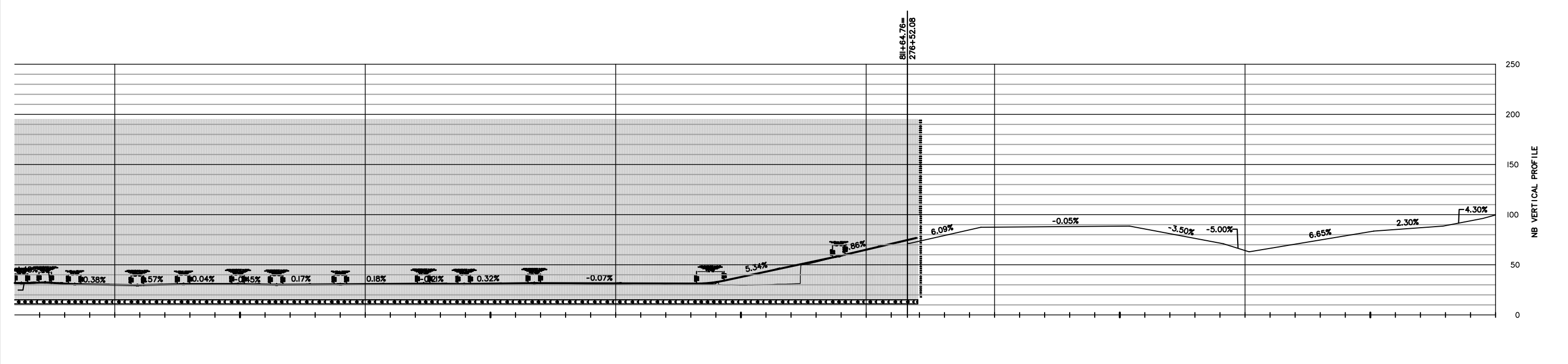
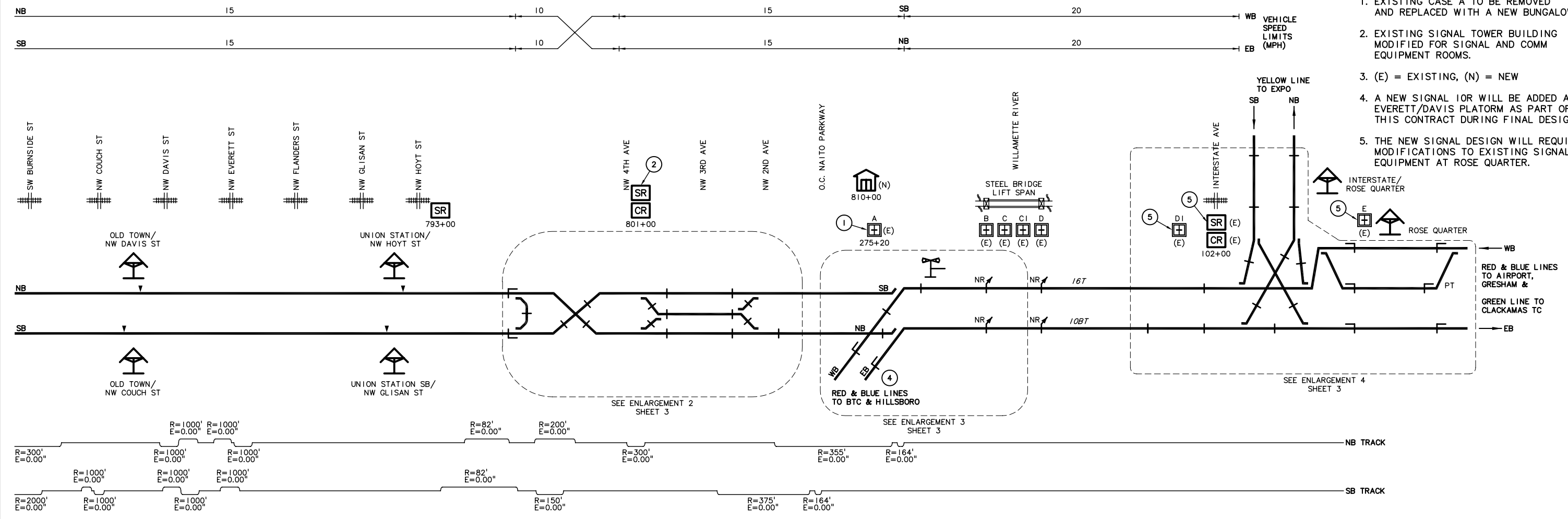
SUBMITTED: _____ DATE: _____ APPROVED: _____ DATE: _____

SOUTH CORRIDOR PROJECT
PORTLAND MALL SEGMENT

SIGNAL SYSTEM
SINGLE LINE DIAGRAM
SHEET 1 OF 3

SCALE: 1" = 200'
DRAWING NO.: J36-600
CONTRACT NO.: _____
SHEET NO.: _____

- NOTES:
- EXISTING CASE A TO BE REMOVED AND REPLACED WITH A NEW BUNGALOW.
 - EXISTING SIGNAL TOWER BUILDING MODIFIED FOR SIGNAL AND COMM EQUIPMENT ROOMS.
 - (E) = EXISTING, (N) = NEW
 - A NEW SIGNAL IOR WILL BE ADDED AT EVERETT/DAVIS PLATFORM AS PART OF THIS CONTRACT DURING FINAL DESIGN.
 - THE NEW SIGNAL DESIGN WILL REQUIRE MODIFICATIONS TO EXISTING SIGNAL EQUIPMENT AT ROSE QUARTER.



XREF'S
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 KALNV
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 scale: 1
 scale: 1
 sRetn: 1

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 PLOT TIME: 08:39

NO.	DATE	BY	APPD.	REVISIONS
9-1-05				PRELIMINARY ENGINEERING UPDATED AS BASIS FOR FINAL DESIGN

RKA/LAW	DESIGNED	6/30/04	DATE
JMM	DRAWN	6/30/04	DATE
RJM	CHECKED	9/30/04	DATE
DLP	APPROVED	9/30/04	DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

LTK
LTK Engineering Services

CAPITAL PROJECTS AND FACILITIES DIVISION
 710 N.E. HOLLADAY STREET
 PORTLAND, OREGON 97232

TRIMET

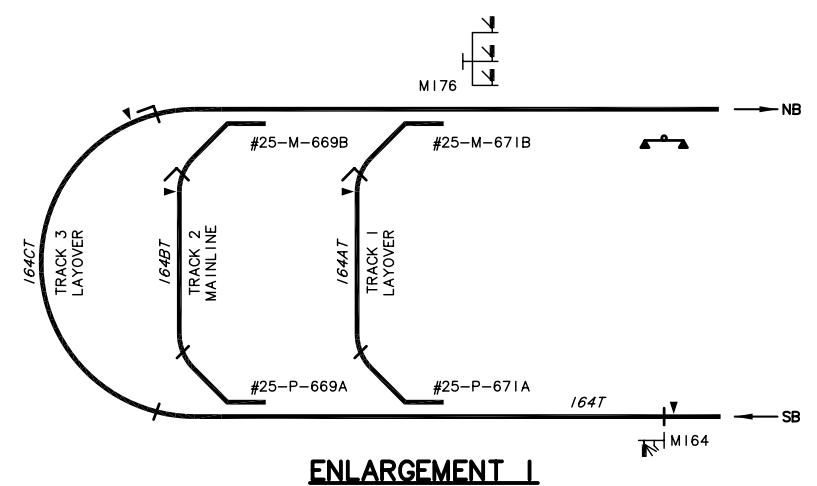
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SOUTH CORRIDOR PROJECT
PORTLAND MALL SEGMENT
 SIGNAL SYSTEM
 SINGLE LINE DIAGRAM
 SHEET 2 OF 3

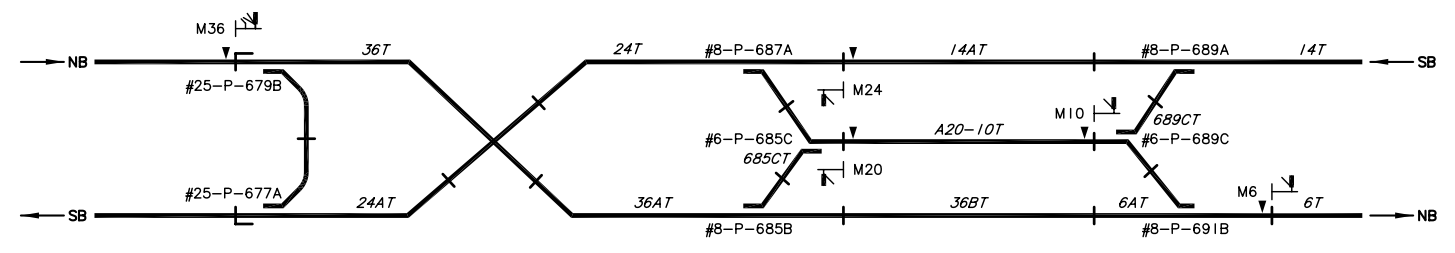
SCALE: 1" = 200'
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 CONTRACT NO.: _____
 SHEET NO.: _____

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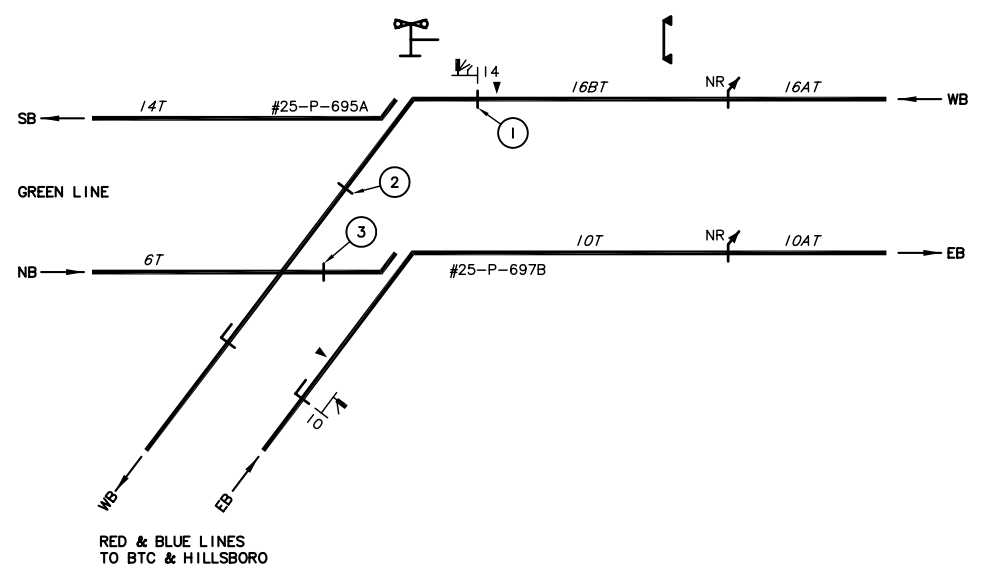
- NOTES:
 ① NEW IJ AT WB 278+56.
 ② NEW IJ AT WB 276+15..
 ③ NEW IJ AT NB 811+04.
 ④ NEW TWC LOOP
 AT EB 288+13.25 SINCE
 IJ IS AT EB STATIONING
 288+37.



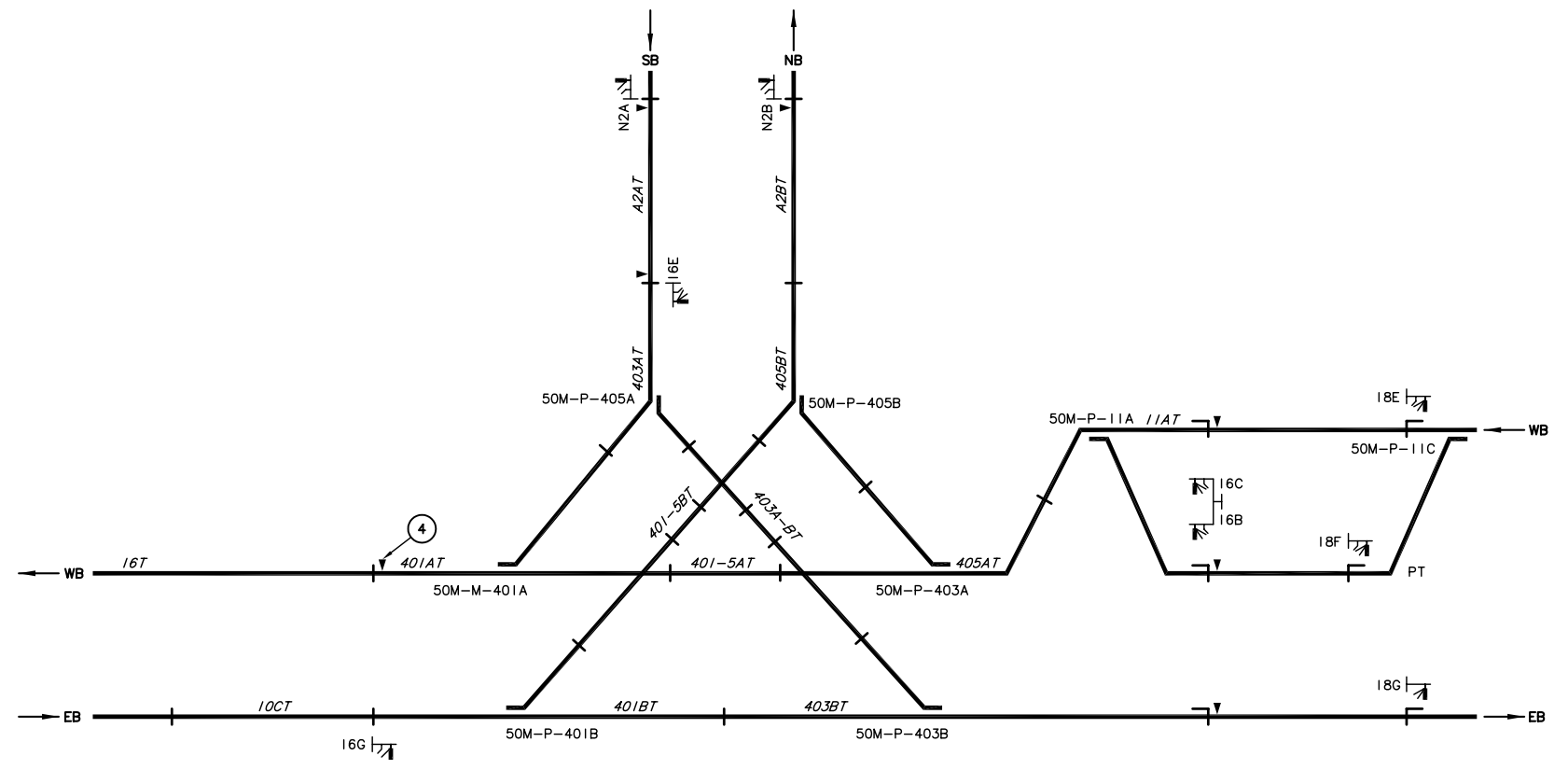
ENLARGEMENT 1



ENLARGEMENT 2



ENLARGEMENT 3



ENLARGEMENT 4

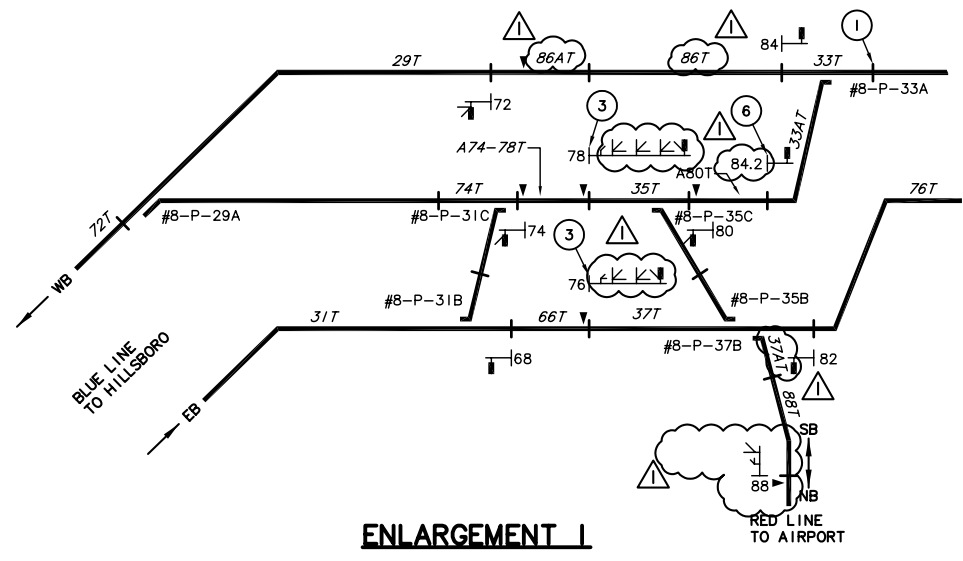
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NO.	DATE	BY	APPD.	REVISIONS

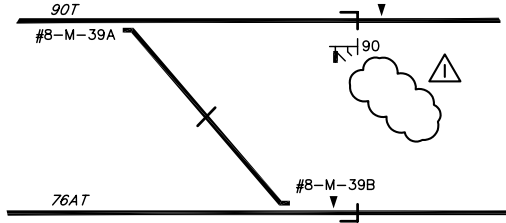
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TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON			
 LTK Engineering Services		 TRIOMET	
SUBMITTED:		DATE:	
APPROVED:		DATE:	

SOUTH CORRIDOR PROJECT PORTLAND MALL SEGMENT SIGNAL SYSTEM SINGLE LINE DIAGRAM SHEET 3 OF 3			
SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
NOT TO SCALE	J36-602		

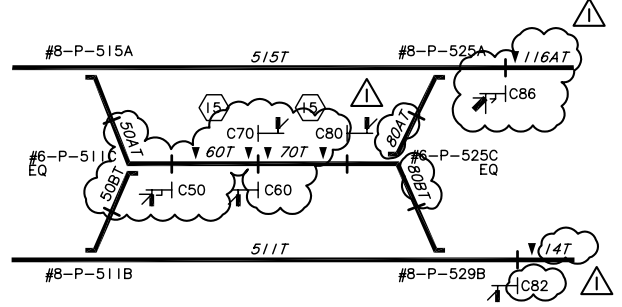
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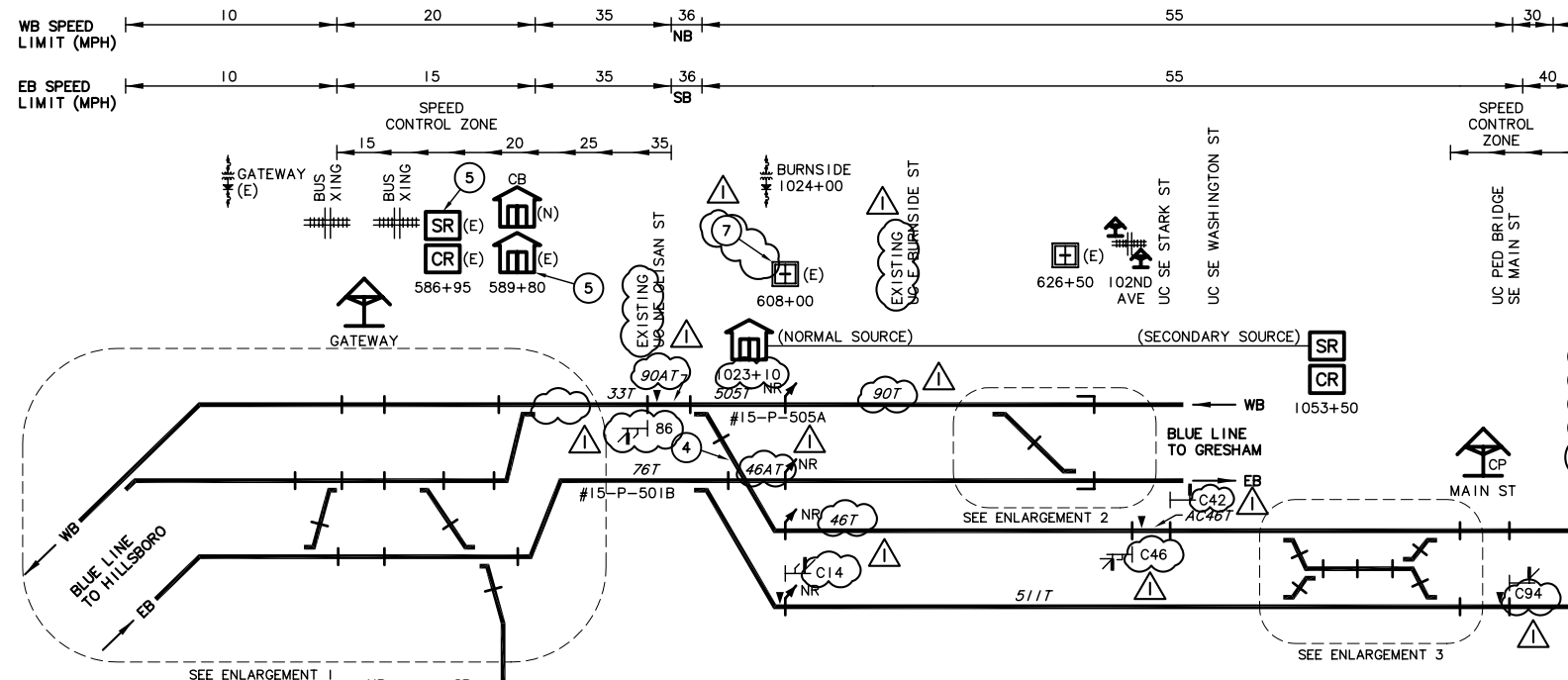
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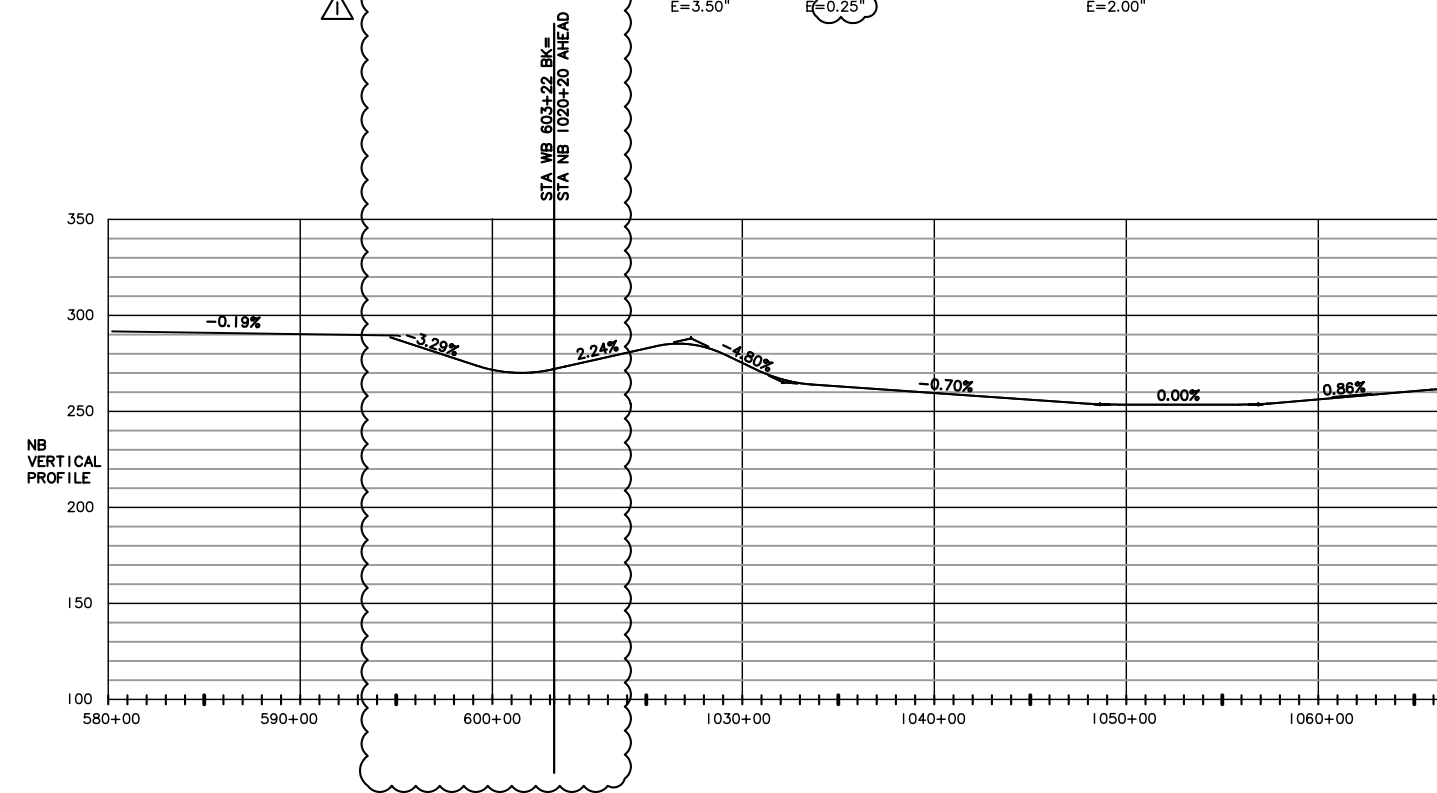
ENLARGEMENT 2



ENLARGEMENT 3



SEGMENT	BANFIELD	16A
NB CURVE DATA	R=1936' E=3.86"	R=1090' E=0.25"
SB CURVE DATA	R=2000' E=3.50"	R=1000' E=0.25"



- NOTES:
- EXISTING IJ AT WB 594+71 SHALL BE REMOVED OR BONDED AROUND AS PART OF 1205 PROJECT.
 - (E) = EXISTING, (N) = NEW
 - EXISTING SIGNAL TO BE REPLACED AS PART OF THE 1205 PROJECT.
 - #15 MOVABLE POINT CROSSING.
 - THE NEW SIGNAL DESIGN WILL REQUIRE MODIFICATIONS TO EXISTING SIGNAL EQUIPMENT AT GATEWAY.
 - SIGNAL 86 TO BE RE-NUMBERED TO 84.2.
 - EXISTING CASE TO BE REMOVED AS PART OF THE 1205 PROJECT.

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NO.	DATE	BY	APPD.	REVISIONS
11-05				BASE CONTRACT DOCUMENTS

RJM/LAW	DESIGNED	5/20/04	DATE
JMM	DRAWN	5/20/04	DATE
RKA	CHECKED	9/30/04	DATE
DLP	APPROVED	9/30/04	DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

LTK Engineering Services

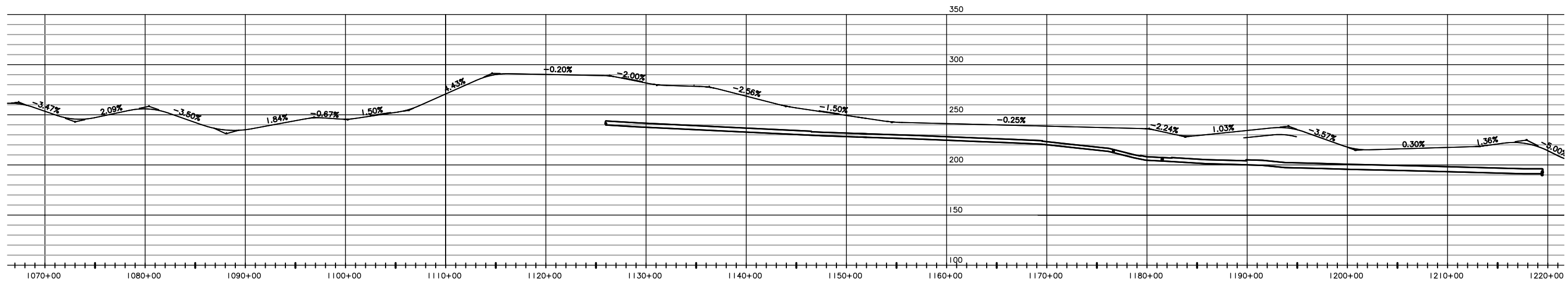
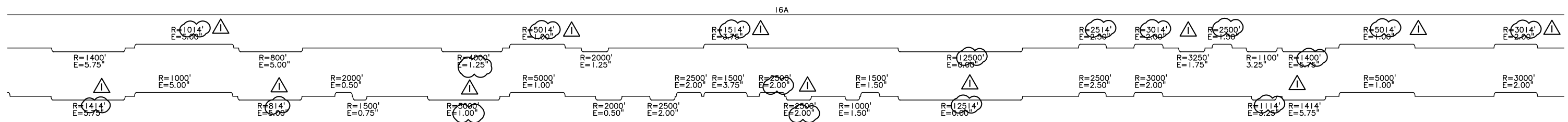
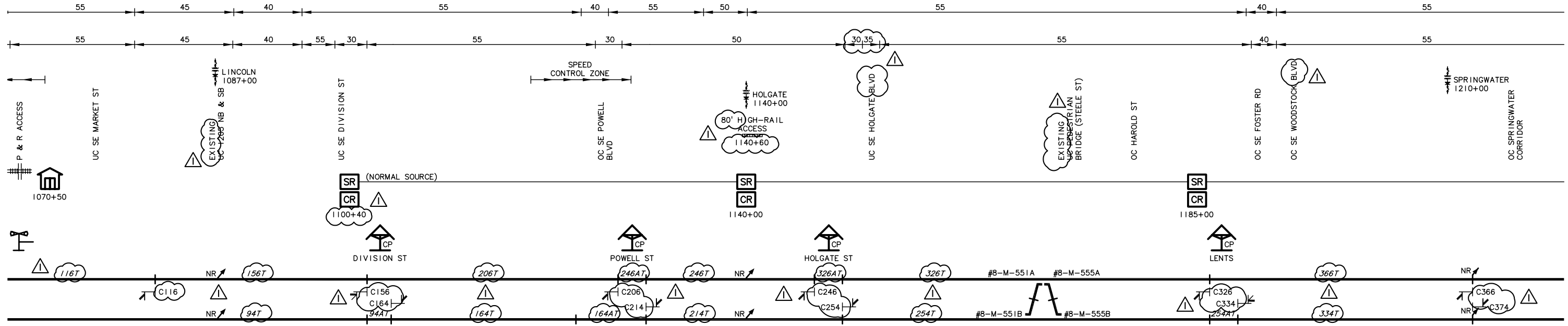
TRIOMET

CAPITAL PROJECTS AND FACILITIES DIVISION
 710 N.E. HOLLADAY STREET
 PORTLAND, OREGON 97232

SOUTH CORRIDOR PROJECT
1-205 SEGMENT
 SIGNAL SYSTEM
 SINGLE LINE DIAGRAM
 SHEET 1 OF 3

SUBMITTED:	DATE:	APPROVED:	DATE:	SCALE:	1" = 500'	DRAWING NO.:	J16A300	CONTRACT NO.:	SHEET NO.:
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NO.	DATE	BY	APPD.	REVISIONS
11-05				BASE CONTRACT DOCUMENTS

RJM/LAW	5/20/04
DESIGNED	DATE
JMM	5/20/04
DRAWN	DATE
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DLP	9/30/04
APPROVED	DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

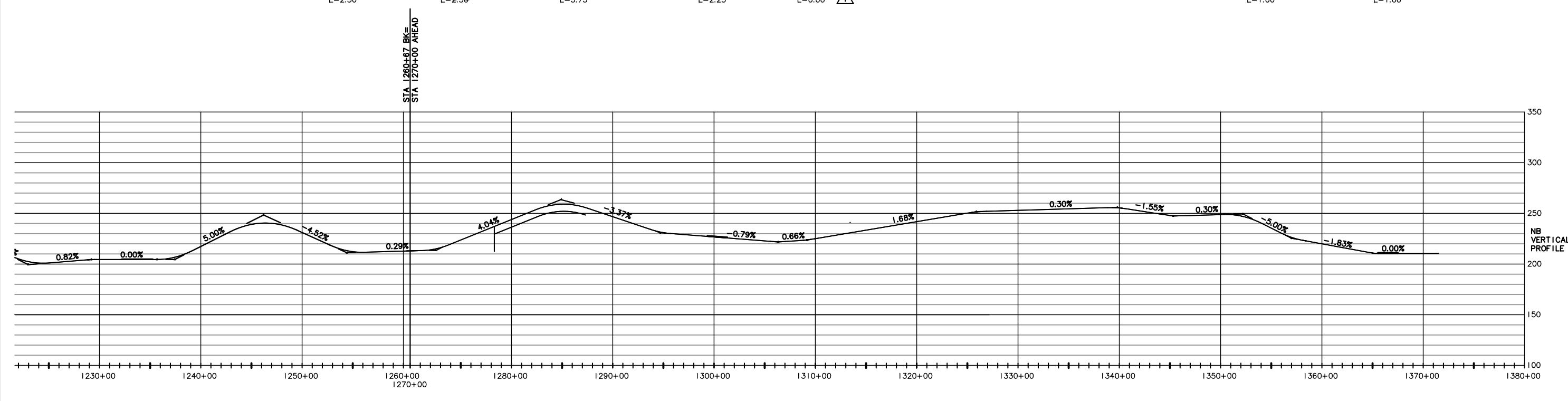
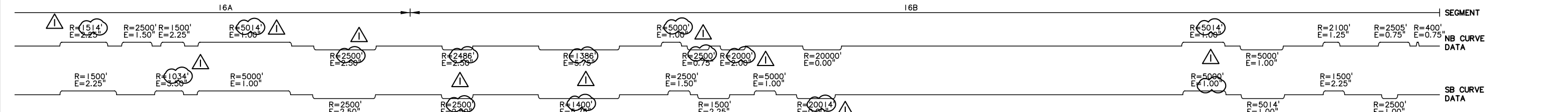
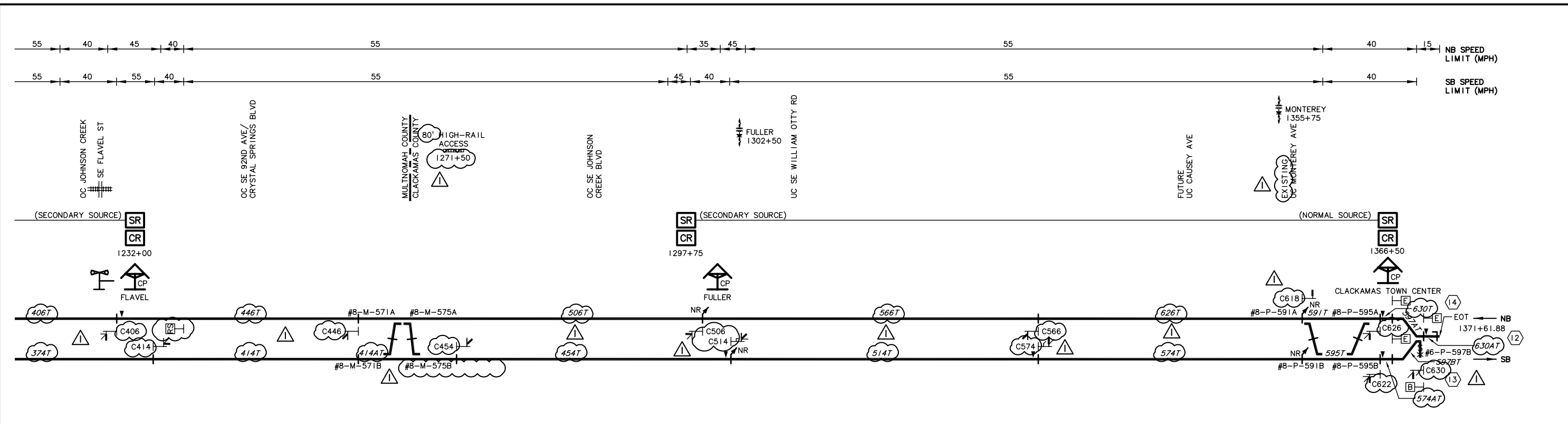
 LTK Engineering Services

 TRIOMET
 CAPITAL PROJECTS AND FACILITIES DIVISION
 710 N.E. HOLLADAY STREET
 PORTLAND, OREGON 97232

SOUTH CORRIDOR PROJECT
1-205 SEGMENT
 SIGNAL SYSTEM
 SINGLE LINE DIAGRAM
 SHEET 2 OF 3

SUBMITTED:	DATE:	APPROVED:	DATE:	SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
				1" = 500'	J16A301		


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 PLOT DATE: 11/29/04

NO.	DATE	BY	APPD.	REVISIONS
11-05				BASE CONTRACT DOCUMENTS

RJM/LAW	DESIGNED	5/20/04	DATE
JMM	DRAWN	5/20/04	DATE
RKA	CHECKED	9/30/04	DATE
DLP	APPROVED	9/30/04	DATE


TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

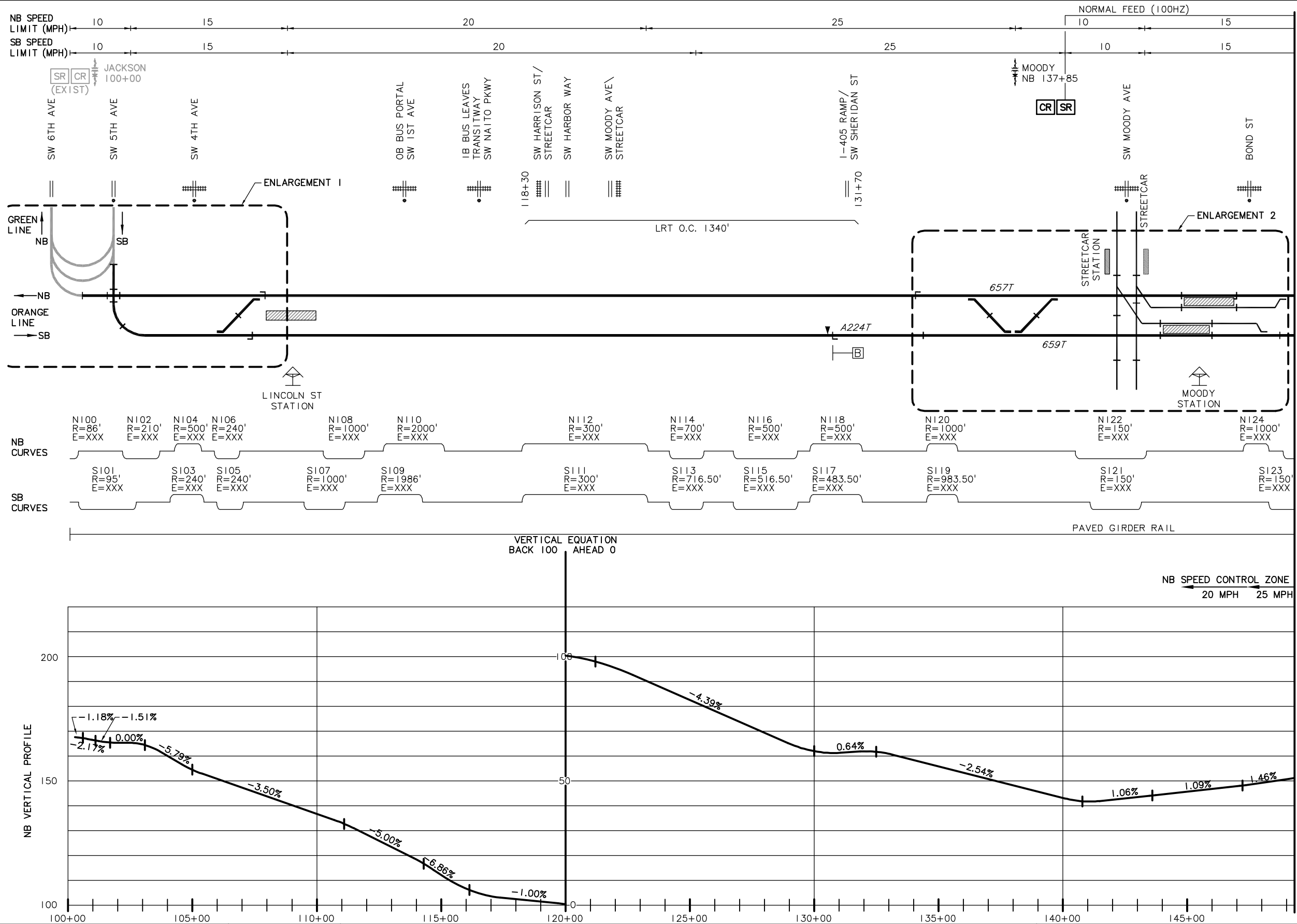

LTK Engineering Services


TRIOMET

CAPITAL PROJECTS AND FACILITIES DIVISION
 710 N.E. HOLLADAY STREET
 PORTLAND, OREGON 97232

SOUTH CORRIDOR PROJECT
I-205 SEGMENT
 SIGNAL SYSTEM
 SINGLE LINE DIAGRAM
 SHEET 3 OF 3

SUBMITTED:	DATE:	APPROVED:	DATE:	SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
				1" = 500'	J16A302		



MATCH LINE
SEE DWG J15G-011

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NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	PFW	DATE	4/14/11
DRAWN	JMM	DATE	4/15/11
CHECKED	RJS	DATE	05/31/11
APPROVED		DATE	

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

LTK Engineering Services

SUBMITTED: DATE: APPROVED: DATE:

TRI MET

CAPITAL PROJECTS DIVISION
710 NE HOLLADAY STREET
PORTLAND, OREGON 97232

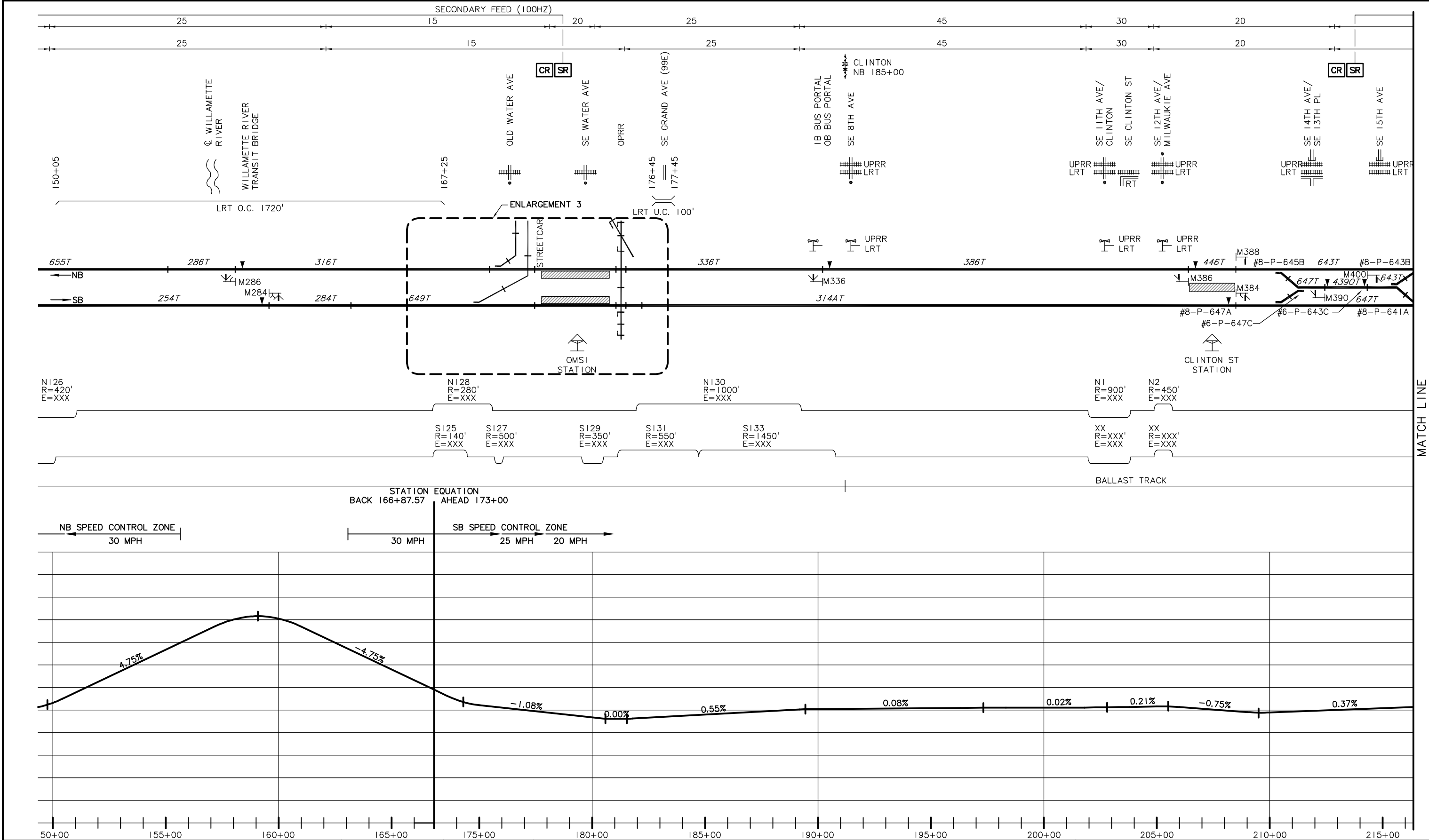
APPROVED: DATE:

PORTLAND TO MILWAUKIE LRT SIGNAL SYSTEM

SINGLE LINE DIAGRAM
SHEET 1 OF 8

SCALE: 1"=200'
DRAWING NO.: J15G-010
CONTRACT NO.: SHEET NO.:

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NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	PFW	4/14/11
DATE		
DRAWN	JMM	4/15/11
DATE		
CHECKED	RJS	05/31/11
DATE		
APPROVED		
DATE		

SUBMITTED:	DATE:	APPROVED:	DATE:

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

LTK Engineering Services

TRI MET

CAPITAL PROJECTS DIVISION
710 NE HOLLADAY STREET
PORTLAND, OREGON 97232

PORTLAND TO MILWAUKIE LRT

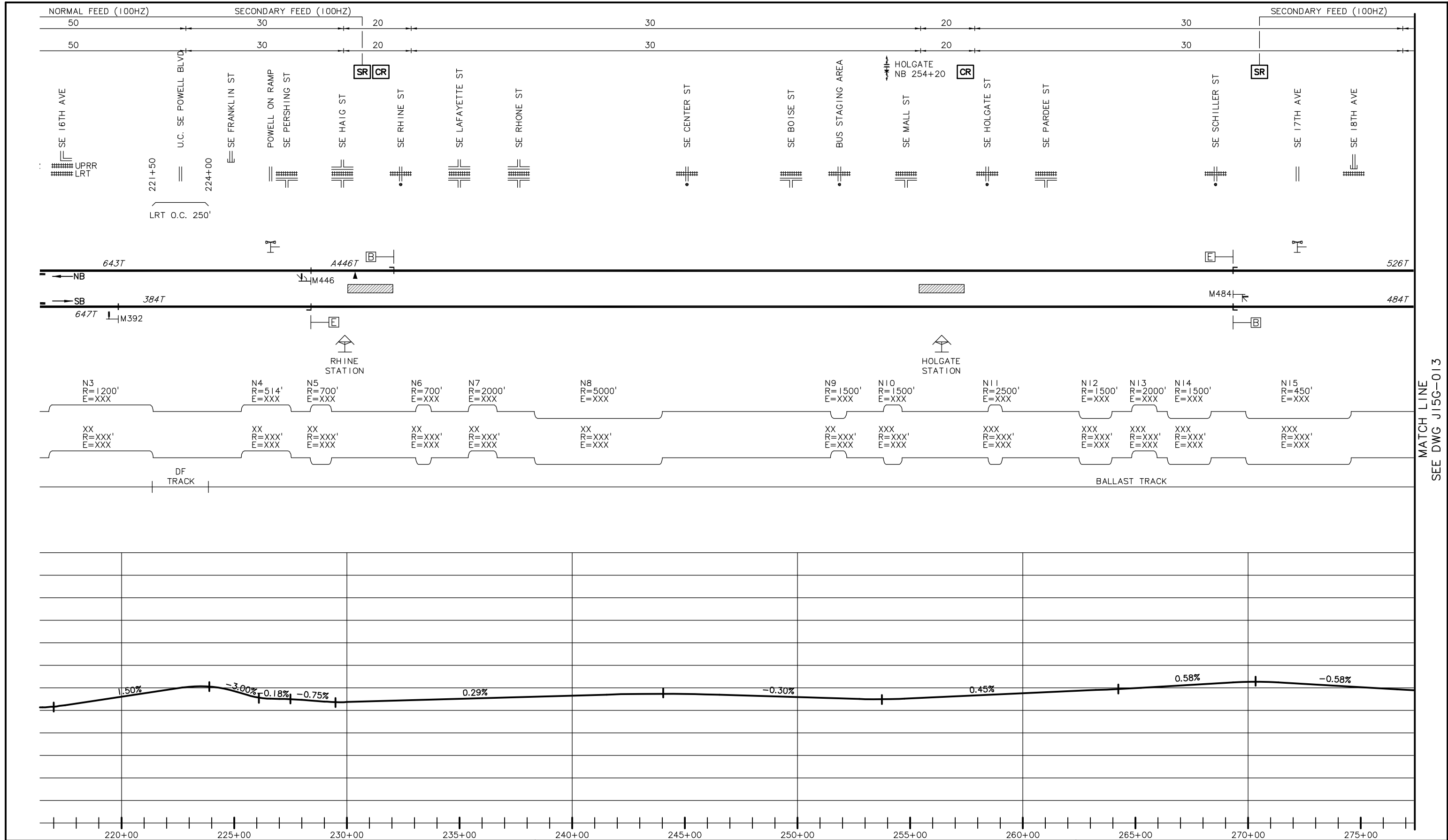
SIGNAL SYSTEM

SINGLE LINE DIAGRAM
SHEET 2 OF 8

SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
1"=200'	J15G-011		

MATCH LINE
SEE DWG J15G-012

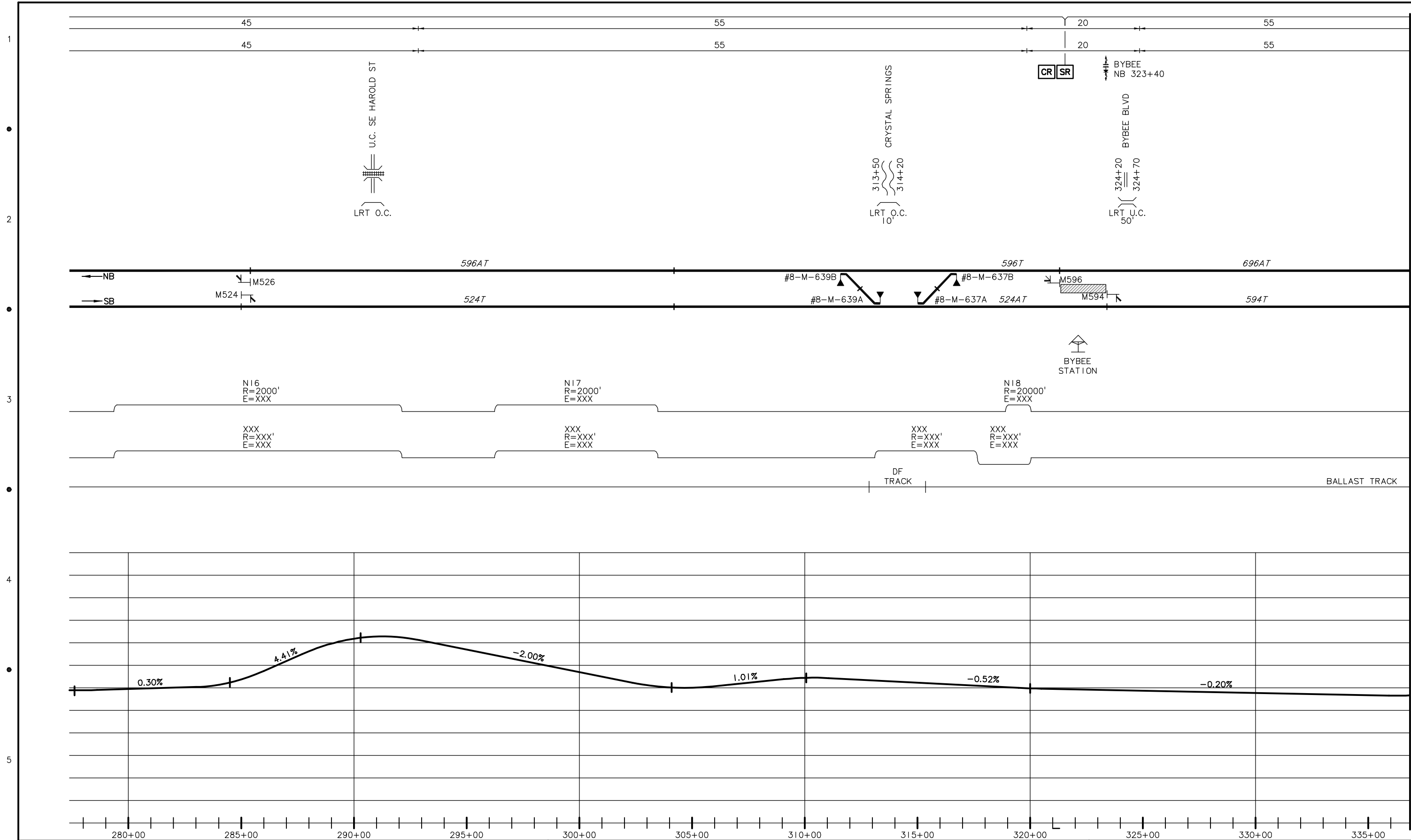
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MATCH LINE
SEE DWG J15G-013

				DESIGNED: PFW 4/14/11 DATE DRAWN: JMM 4/15/11 DATE CHECKED: RJS 05/31/11 DATE APPROVED: _____ DATE: _____	TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON LTK Engineering Services				CAPITAL PROJECTS DIVISION TRI MET 710 NE HOLLADAY STREET PORTLAND, OREGON 97232				PORTLAND TO MILWAUKIE LRT SIGNAL SYSTEM SINGLE LINE DIAGRAM SHEET 3 OF 8				
NO.	DATE	BY	APPD.	SUBMITTED:				DATE:	APPROVED:				DATE:	SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
		CHK.												1"=200'	J15G-012		

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MATCH LINE
SEE DWG J15G-014

NO.	DATE	BY	APPD.	REVISIONS
		CHK.		

DESIGNED	PFW	4/14/11
DATE		
DRAWN	JMM	4/15/11
DATE		
CHECKED	RJS	05/31/11
DATE		
APPROVED		
DATE		

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

LTK Engineering Services

TRI MET

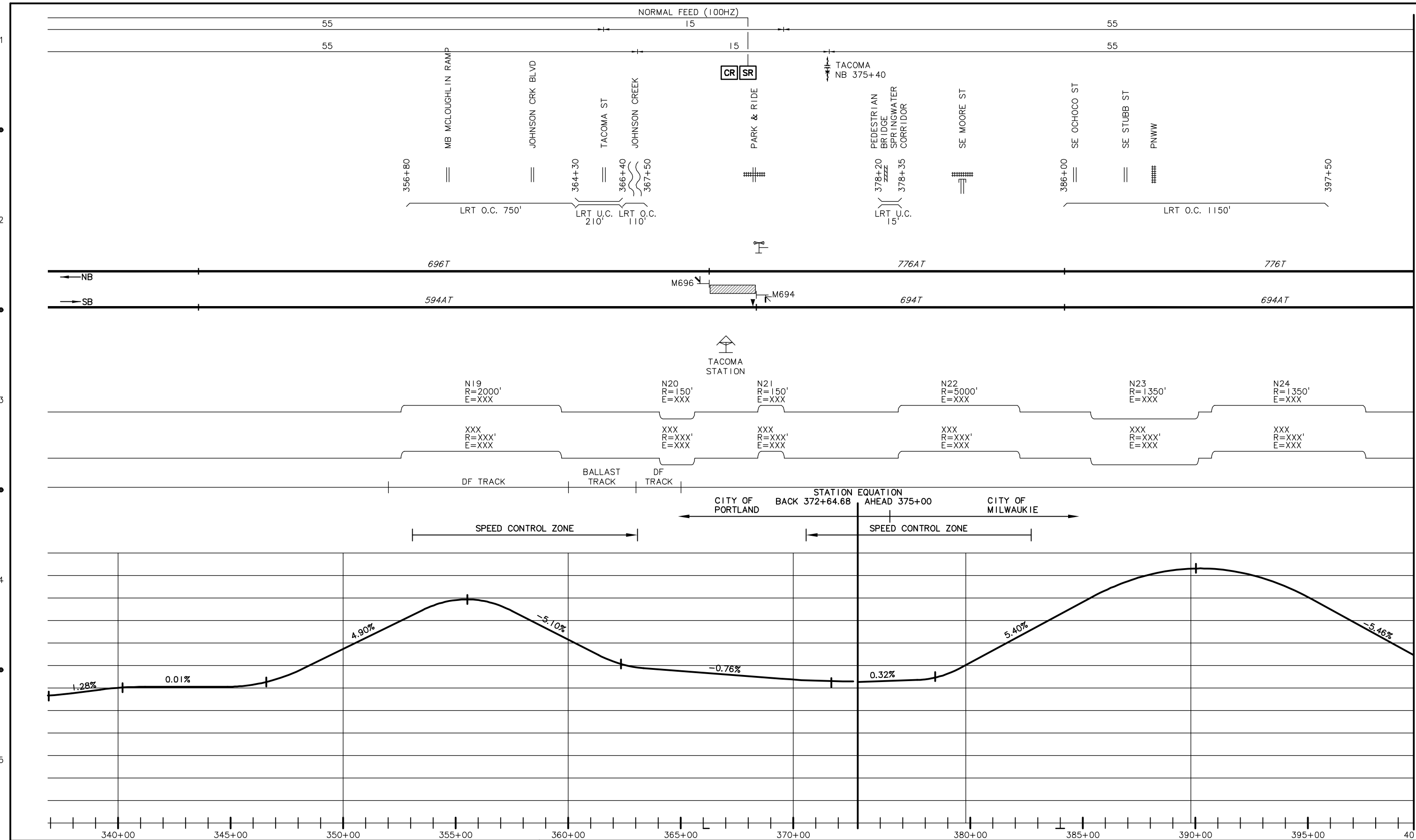
CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

SUBMITTED:	DATE:	APPROVED:	DATE:
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PORTLAND TO MILWAUKIE LRT SIGNAL SYSTEM
 SINGLE LINE DIAGRAM
 SHEET 4 OF 8

SCALE:	DRAWING NO.:	CONTRACT NO.:	SHEET NO.:
1"=200'	J15G-013		

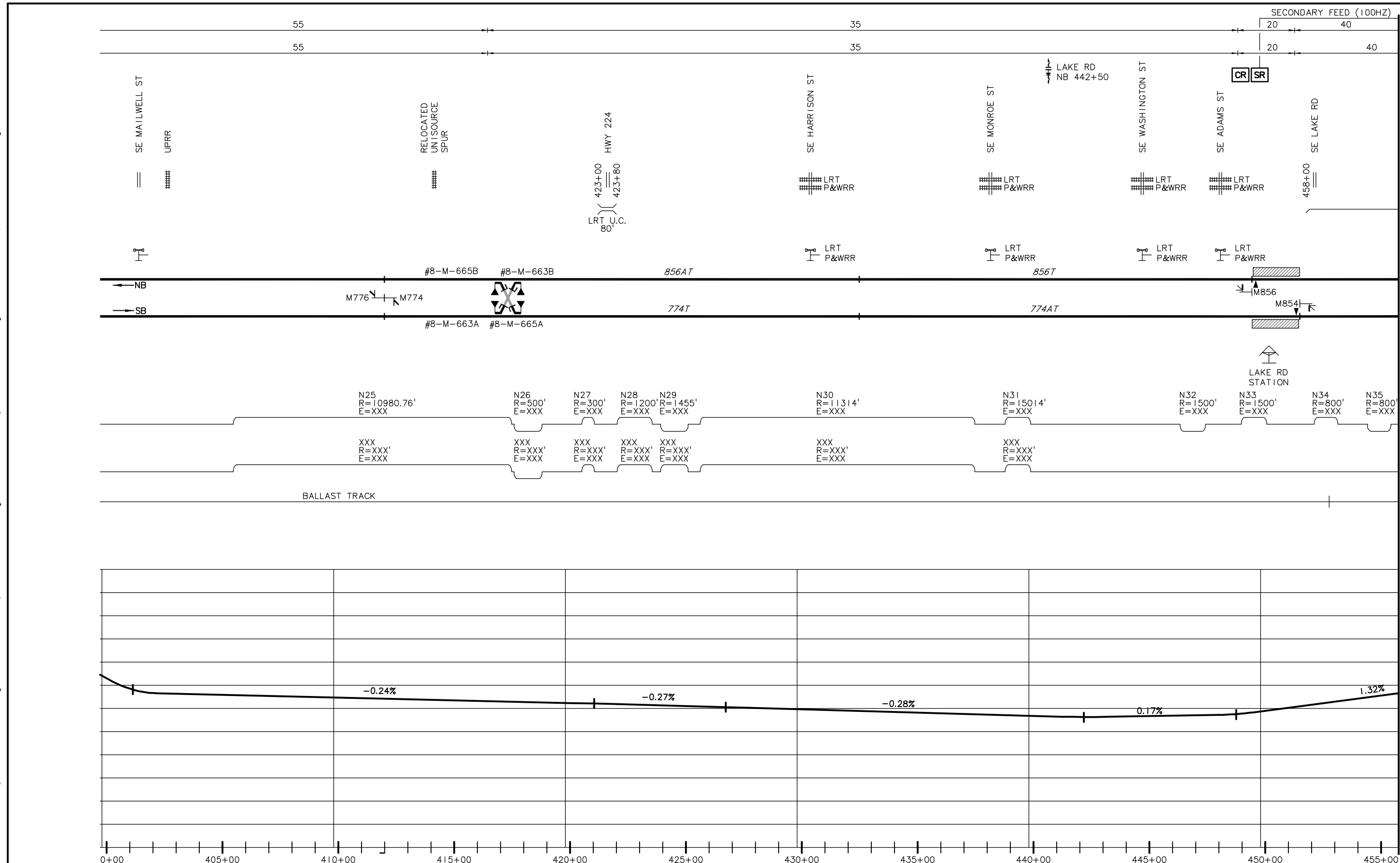
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MATCH LINE
SEE DWG J15G-015

				DESIGNED: PFW 4/14/11 DATE: 4/14/11 DRAWN: JMM 4/15/11 DATE: 4/15/11 CHECKED: RJS 05/31/11 DATE: 05/31/11 APPROVED: _____ DATE: _____	 TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON		PORTLAND TO MILWAUKIE LRT SIGNAL SYSTEM SINGLE LINE DIAGRAM SHEET 5 OF 8															
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NO.	DATE	BY	APPD.	REVISIONS																		
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NO.	DATE	BY	APPD.	REVISIONS																		

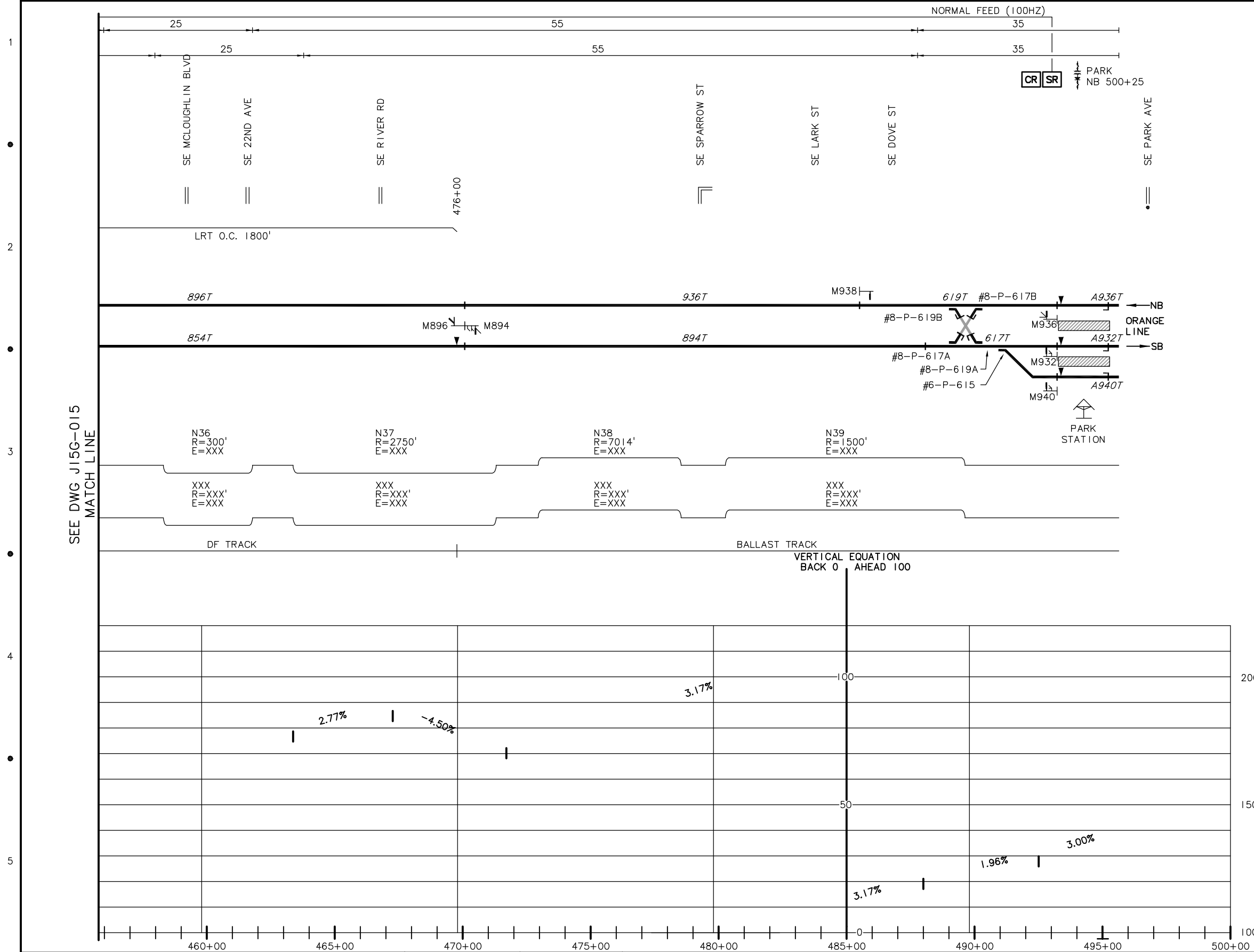
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MATCH LINE
SEE DWG J15G-016

	DESIGNED: PFW 4/14/11 DRAWN: JMM 4/15/11 CHECKED: RJS 05/31/11 APPROVED: _____ DATE: _____	<p>TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON</p> <p>LTK Engineering Services</p>	<p>TRI MET CAPITAL PROJECTS DIVISION 710 NE HOLLADAY STREET PORTLAND, OREGON 97232</p>	<p>PORTLAND TO MILWAUKIE LRT SIGNAL SYSTEM</p> <p>SINGLE LINE DIAGRAM SHEET 6 OF 8</p>													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>APPD.</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	BY	APPD.	REVISIONS											SUBMITTED: _____ DATE: _____ APPROVED: _____ DATE: _____	SCALE: 1"=200' DRAWING NO.: J15G-015 CONTRACT NO.: _____ SHEET NO.: _____
NO.	DATE	BY	APPD.	REVISIONS													

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SEE DWG J15G-015
MATCH LINE

NO.	DATE	BY	APPD.	REVISIONS

DESIGNED	PFW	4/14/11
DRAWN	JMM	4/15/11
CHECKED	RJS	05/31/11
APPROVED		

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

LTK Engineering Services

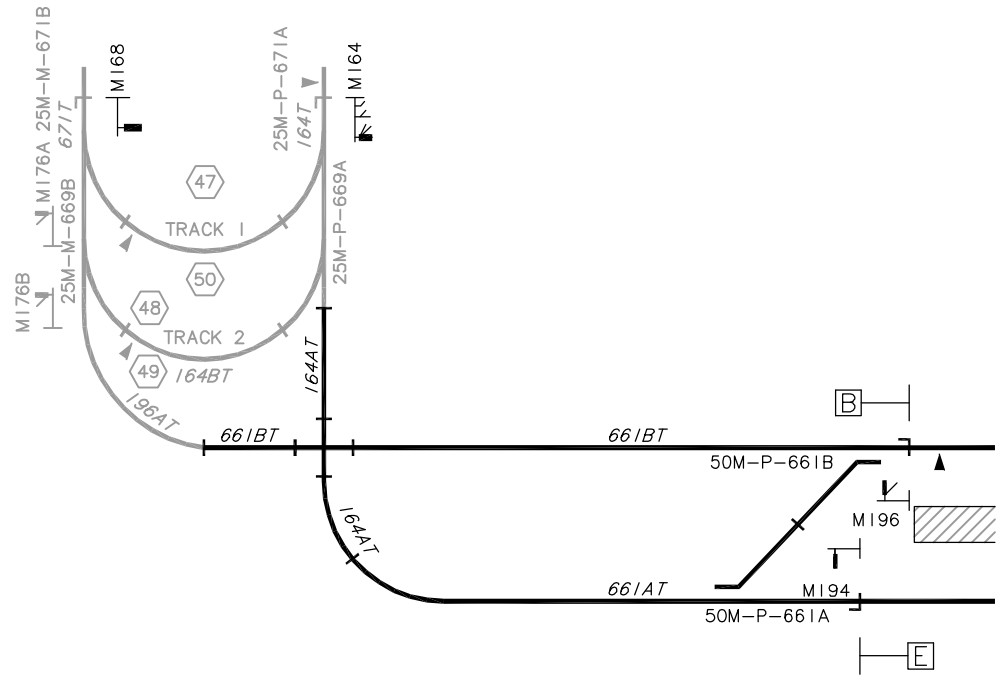
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CAPITAL PROJECTS DIVISION
 710 NE HOLLADAY STREET
 PORTLAND, OREGON 97232

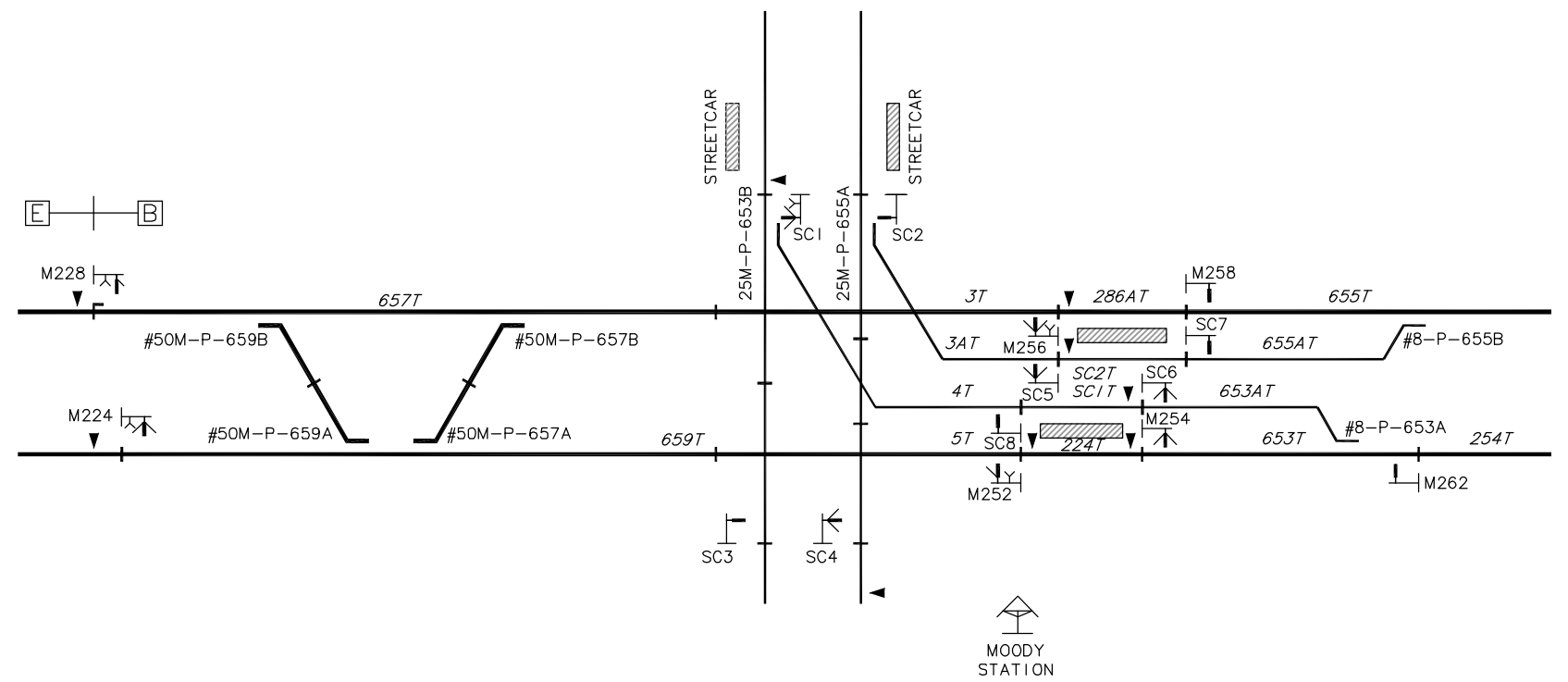
PORTLAND TO MILWAUKIE LRT SIGNAL SYSTEM
 SINGLE LINE DIAGRAM
 SHEET 7 OF 8

SCALE:	1"=200'	DRAWING NO.:	J15G-016	CONTRACT NO.:		SHEET NO.:	
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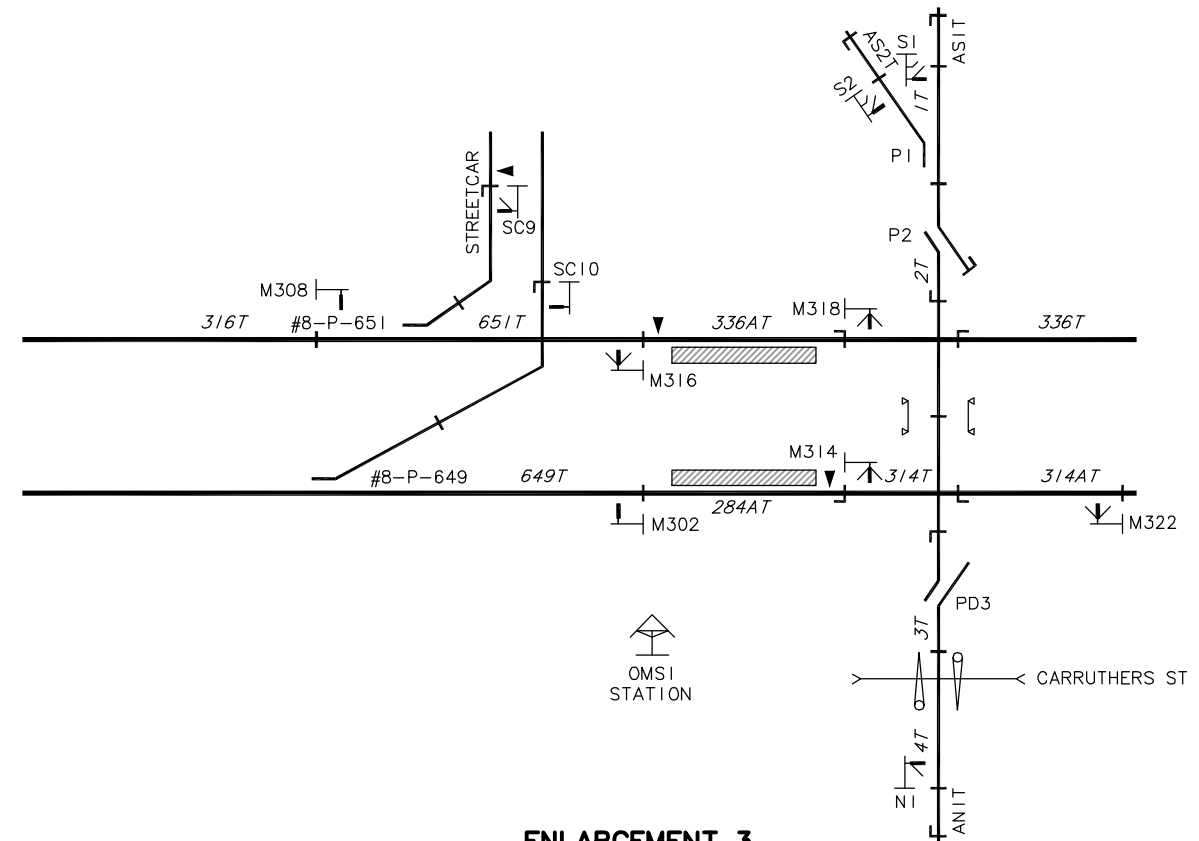
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ENLARGEMENT 1



ENLARGEMENT 2



ENLARGEMENT 3

NO.	DATE	BY	APPD.	REVISIONS
		CHK.		

DESIGNED	PFW	4/14/11	DATE
DRAWN	JMM	4/15/11	DATE
CHECKED	RJS	05/31/11	DATE
APPROVED			DATE

TRI-COUNTY METROPOLITAN TRANSPORTATION DISTRICT OF OREGON

 LTK Engineering Services	 TRI MET		
CAPITAL PROJECTS DIVISION 710 NE HOLLADAY STREET PORTLAND, OREGON 97232			
SUBMITTED: _____	DATE: _____	APPROVED: _____	DATE: _____

PORTLAND TO MILWAUKIE LRT SIGNAL SYSTEM
 SINGLE LINE DIAGRAM
 SHEET 8 OF 8

SCALE: 1"=200'	DRAWING NO.: J15G-017	CONTRACT NO.:	SHEET NO.:
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