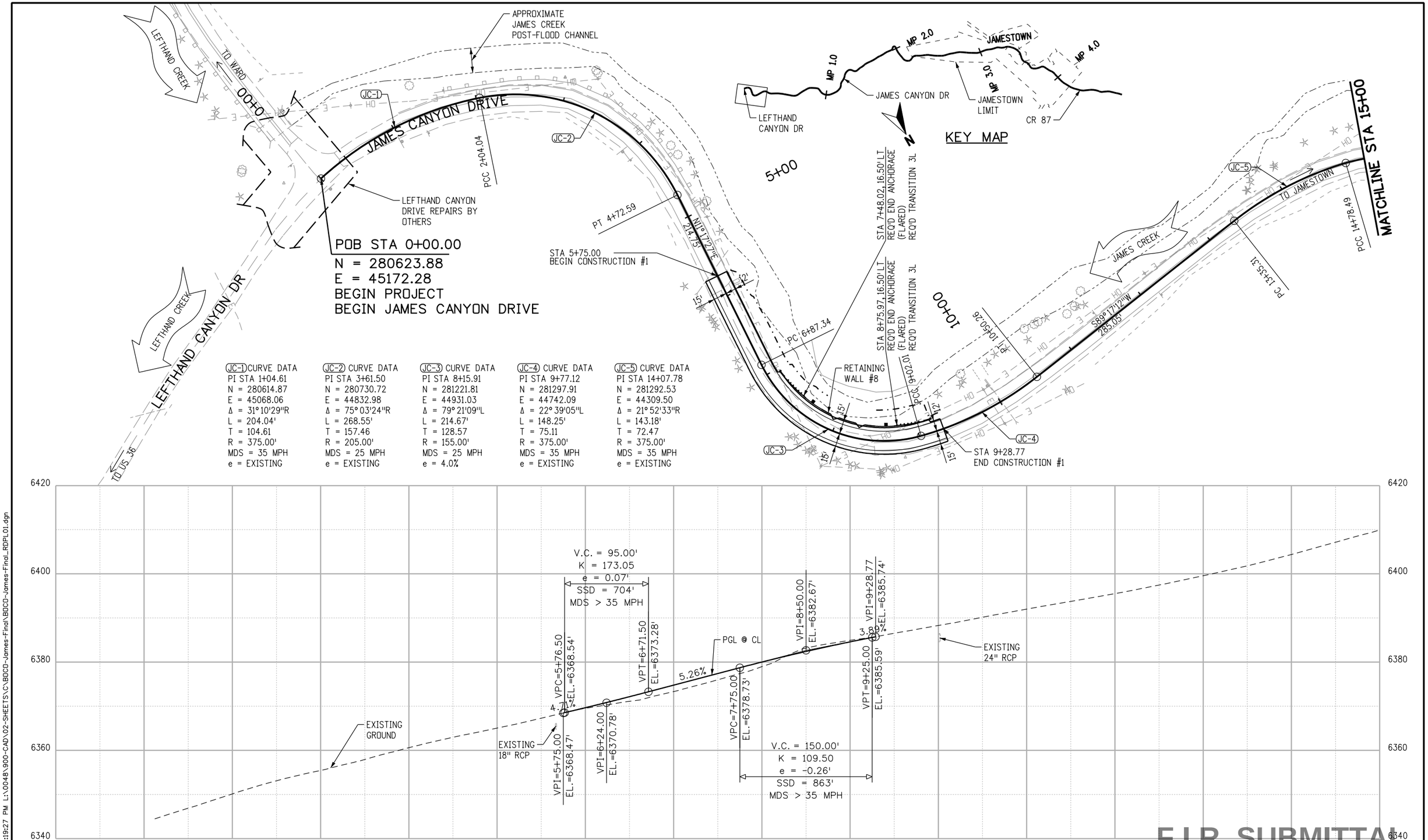

(JC-1) CURVE DATA
PI STA 1+04.61
N = 280614.87
E = 45068.06
Δ = 31°10'29"R
L = 204.04'
T = 104.61
R = 375.00'
MDS = 35 MPH
e = EXISTING

(JC-2) CURVE DATA
PI STA 3+61.50
N = 280730.72
E = 44832.98
Δ = 75°03'24"R
L = 268.55'
T = 157.46
R = 205.00'
MDS = 25 MPH
e = EXISTING

(JC-3) CURVE DATA
PI STA 8+15.91
N = 281221.81
E = 44931.03
Δ = 79°21'09"L
L = 214.67'
T = 128.57
R = 155.00'
MDS = 25 MPH
e = 4.0%

(JC-4) CURVE DATA
PI STA 9+77.12
N = 281297.91
E = 44742.09
Δ = 22°39'05"L
L = 148.25'
T = 75.11
R = 375.00'
MDS = 35 MPH
e = EXISTING

(JC-5) CURVE DATA
PI STA 14+07.78
N = 281292.53
E = 44309.50
Δ = 21°52'33"R
L = 143.18'
T = 72.47
R = 375.00'
MDS = 35 MPH
e = EXISTING

F.I.R. SUBMITTAL

F.I.R.

CALL UTILITY NOTIFICATION CENTER OF COLORADO
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REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED:	CAD:	CHECKED:	DATE:
JTS	JTS	MES	06/24/2015

JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91
SHEET NO: 7

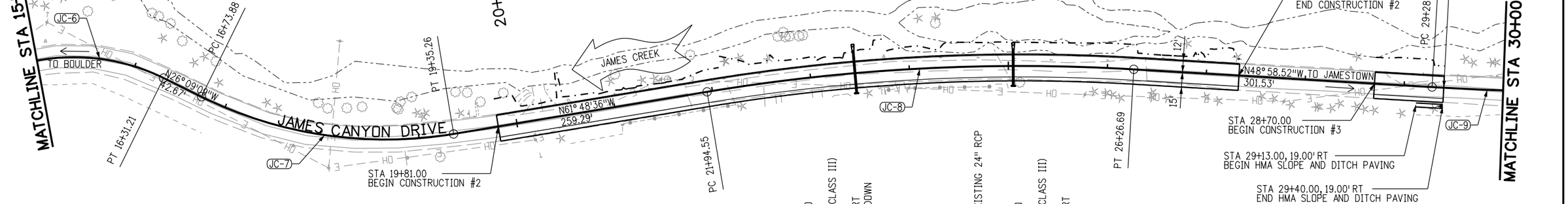
stohrj 6/22/2015 5:19:27 PM L:\0048\900-CAD\02-SHEETS\C\BOCD-James-Final\BOCD-James-Final_RDPL01.dgn

JC-6 CURVE DATA
PI STA 15+58.59
N = 281347.61
E = 44167.22
Δ = 42° 41'06"R
L = 152.72'
T = 80.10
R = 205.00'
MDS = 25 MPH
e = EXISTING

JC-7 CURVE DATA
PI STA 18+08.96
N = 281579.06
E = 44053.57
Δ = 35° 39'27"L
L = 261.38'
T = 135.08
R = 420.00'
MDS = 35 MPH
e = EXISTING

JC-8 CURVE DATA
PI STA 24+11.53
N = 281867.86
E = 43514.74
Δ = 12° 49'44"R
L = 432.14'
T = 216.98
R = 1930.00'
MDS = 35 MPH
e = 2.4%

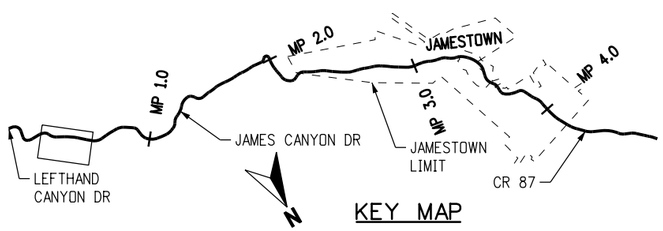
JC-9 CURVE DATA
PI STA 30+31.67
N = 282276.05
E = 43045.47
Δ = 03° 40'49"L
L = 206.82'
T = 103.45
R = 3220.00'
MDS = 35 MPH
e = EXISTING



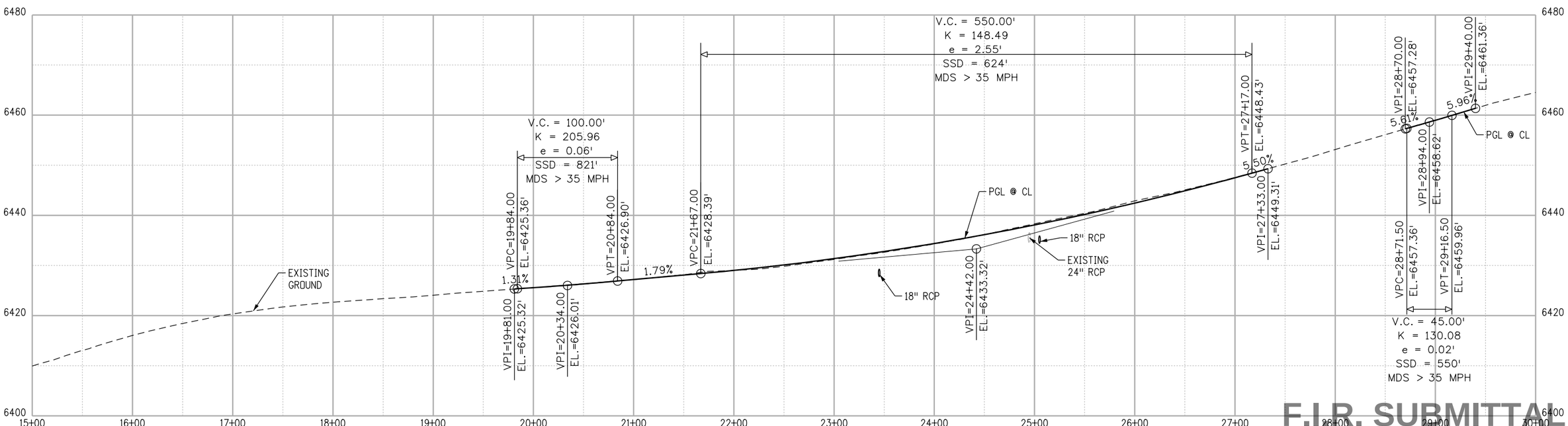
J-0.44
STA 23+45.00, 20.76' RT TO
STA 23+45.00, 22.74' LT
REQ'D 44 LF OF 18" RCP (CLASS III)
REQ'D 1 EA 18" RCES LT
REQ'D 1 EA 18" HEADWALL RT
REQ'D 5.4 CY RIPRAP RUNDOWN

REQ'D REMOVE 41 LF OF EXISTING 24" RCP

J-0.47
STA 25+05.00, 20.56' RT TO
STA 25+05.00, 16.94' LT
REQ'D 38 LF OF 18" RCP (CLASS III)
REQ'D 1 EA 18" RCES LT
REQ'D 1 EA 18" HEADWALL RT



KEY MAP



F.I.R. SUBMITTAL

0' 50' 100' 200'

F.I.R.

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AECOM

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JTS	JTS	MES	06/24/2015

JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91
SHEET NO: 8

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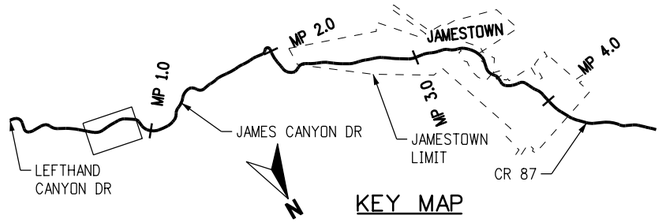
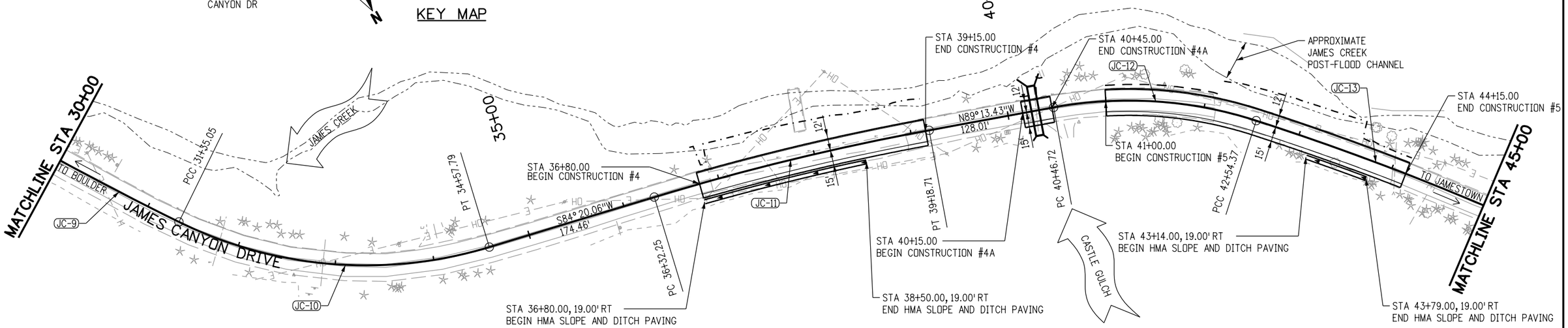


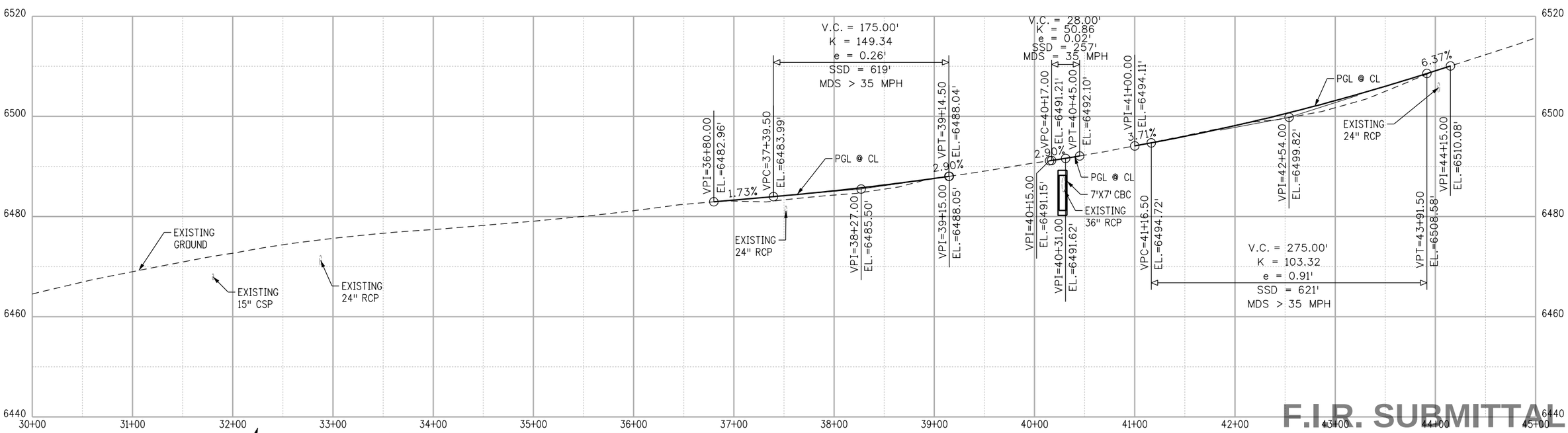
STA 40+27.89
SEE CASTLE GULCH CBC
PLAN & PROFILE

REQ'D REMOVE 49' EXISTING
36" RCP

40+00

JC-9 CURVE DATA	JC-10 CURVE DATA	JC-11 CURVE DATA	JC-12 CURVE DATA	JC-13 CURVE DATA
PI STA 30+31.67	PI STA 33+04.45	PI STA 37+75.63	PI STA 41+52.71	PI STA 44+36.95
N = 282276.05	N = 282441.54	N = 282393.45	N = 282398.53	N = 282538.87
E = 43045.47	E = 42828.54	E = 42343.69	E = 41966.34	E = 41714.18
Δ = 03° 40'49"L	Δ = 43° 00'13"L	Δ = 06° 26'11"R	Δ = 28° 19'39"R	Δ = 07° 34'11"R
L = 206.82'	L = 322.74'	L = 286.46'	L = 207.65'	L = 364.64'
T = 103.45	T = 169.40	T = 143.38	T = 105.99	T = 182.58
R = 3220.00'	R = 430.00'	R = 2550.00'	R = 420.00'	R = 2760.00'
MDS = 35 MPH	MDS = 35 MPH	MDS = 35 MPH	MDS = 35 MPH	MDS = 35 MPH
e = EXISTING	e = EXISTING	e = RC	e = 4.0%	e = RC





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0' 50' 100' 200'

N

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Boulder County

AECOM

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

DESIGNED:	CAD:	CHECKED:	DATE:
JTS	JTS	MES	06/24/2015

JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91

SHEET NO: 9

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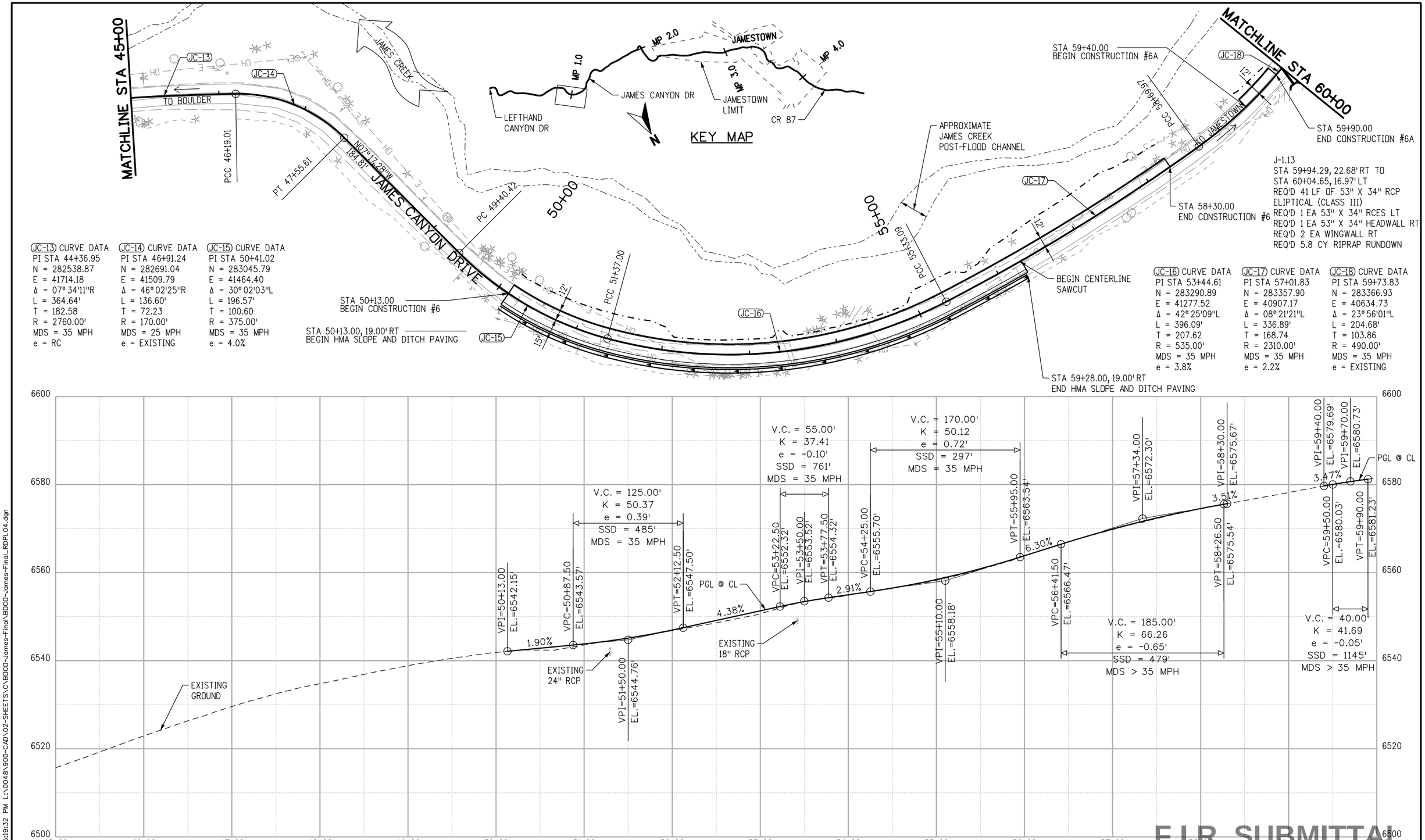

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REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

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JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91

SHEET NO: 10

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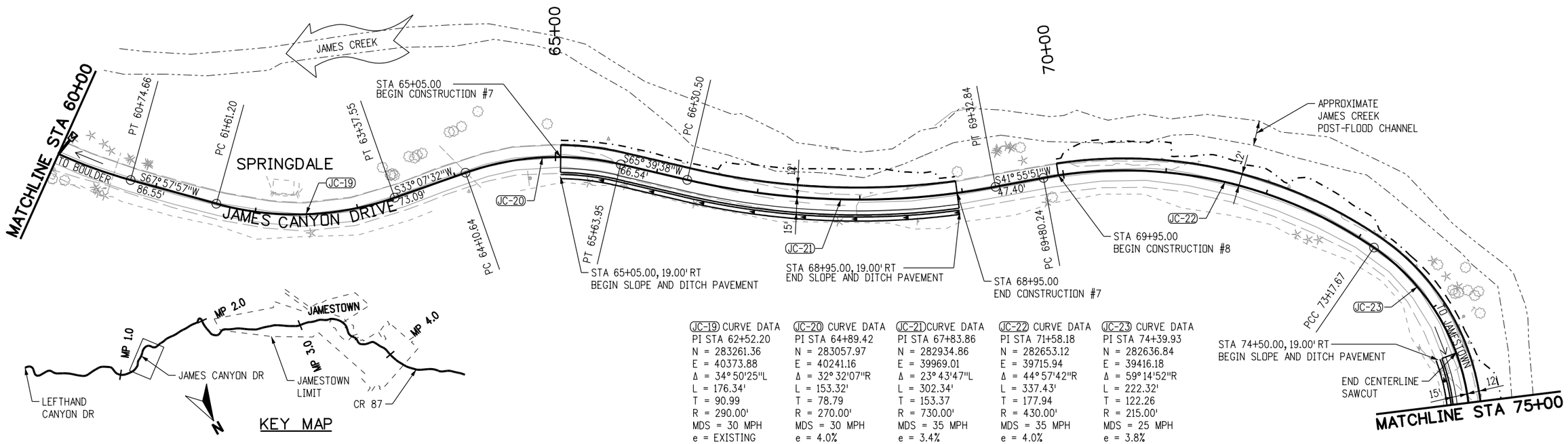
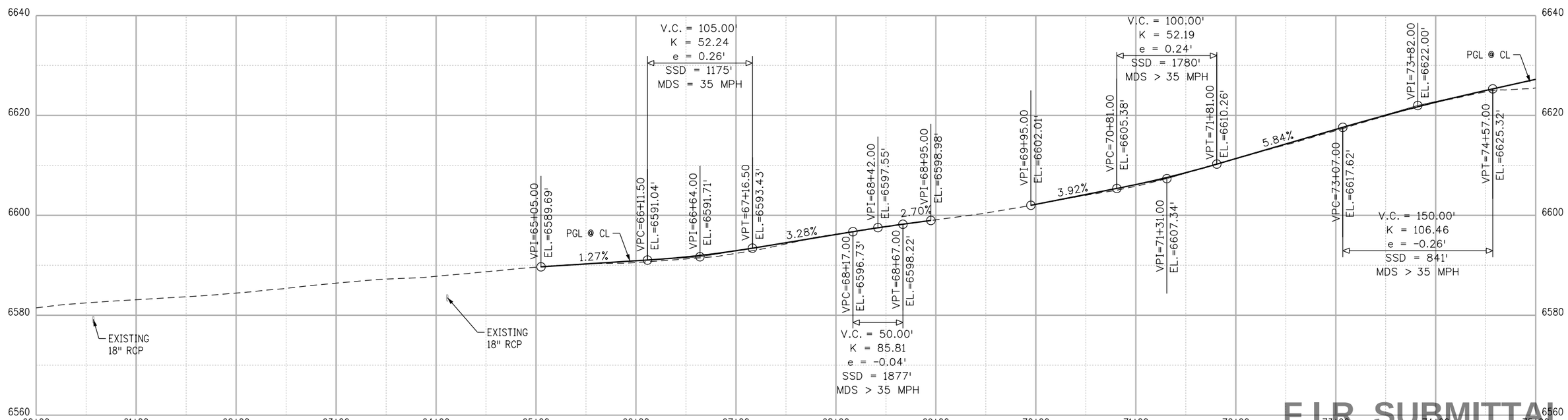


JC-19 CURVE DATA	JC-20 CURVE DATA	JC-21 CURVE DATA	JC-22 CURVE DATA	JC-23 CURVE DATA
PI STA 62+52.20	PI STA 64+89.42	PI STA 67+83.86	PI STA 71+58.18	PI STA 74+39.93
N = 283261.36	N = 283057.97	N = 282934.86	N = 282653.12	N = 282636.84
E = 40373.88	E = 40241.16	E = 39969.01	E = 39715.94	E = 39416.18
Δ = 34°50'25"L	Δ = 32°32'07"R	Δ = 23°43'47"L	Δ = 44°57'42"R	Δ = 59°14'52"R
L = 176.34'	L = 153.32'	L = 302.34'	L = 337.43'	L = 222.32'
T = 90.99	T = 78.79	T = 153.37	T = 177.94	T = 122.26
R = 290.00'	R = 270.00'	R = 730.00'	R = 430.00'	R = 215.00'
MDS = 30 MPH	MDS = 30 MPH	MDS = 35 MPH	MDS = 35 MPH	MDS = 25 MPH
e = EXISTING	e = 4.0%	e = 3.4%	e = 4.0%	e = 3.8%



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0' 50' 100' 200'

F.I.R.

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DESIGNED:	CAD:	CHECKED:	DATE:
JTS	JTS	MES	06/24/2015

JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91
SHEET NO: 11

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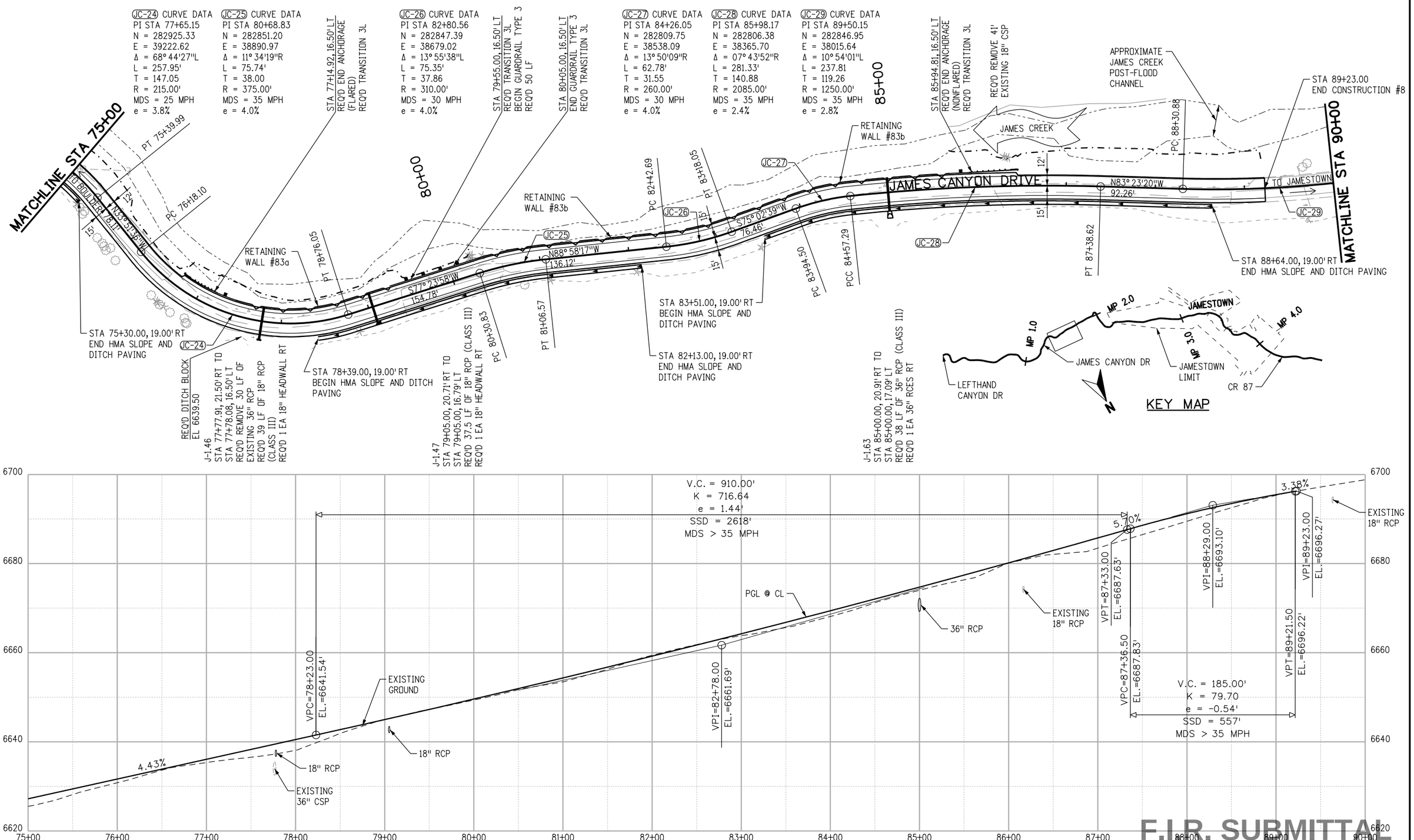

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BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
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JTS	JTS	MES	06/24/2015

JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91
SHEET NO: 12

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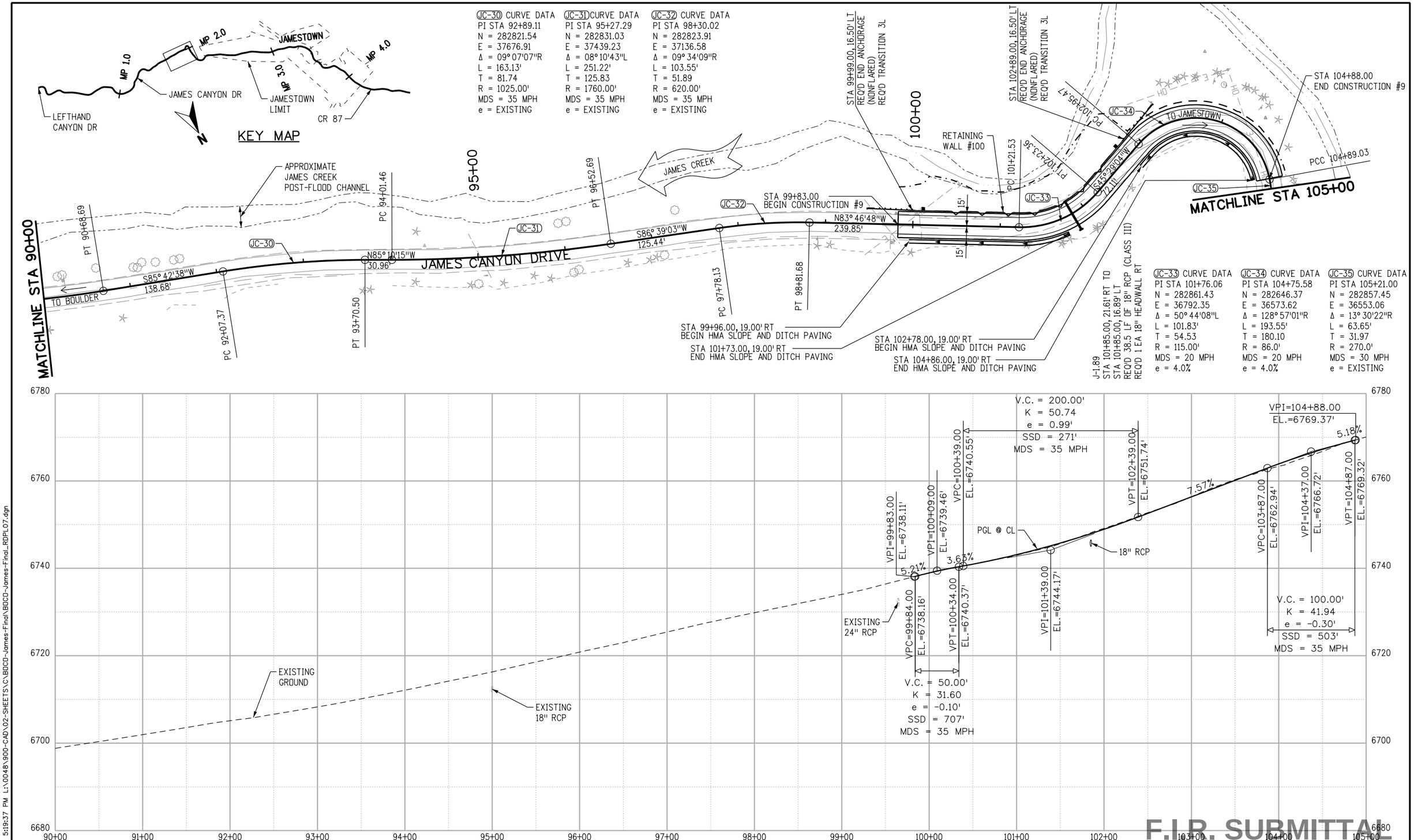

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BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

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JTS	JTS	MES	06/24/2015

JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91

SHEET NO: 13

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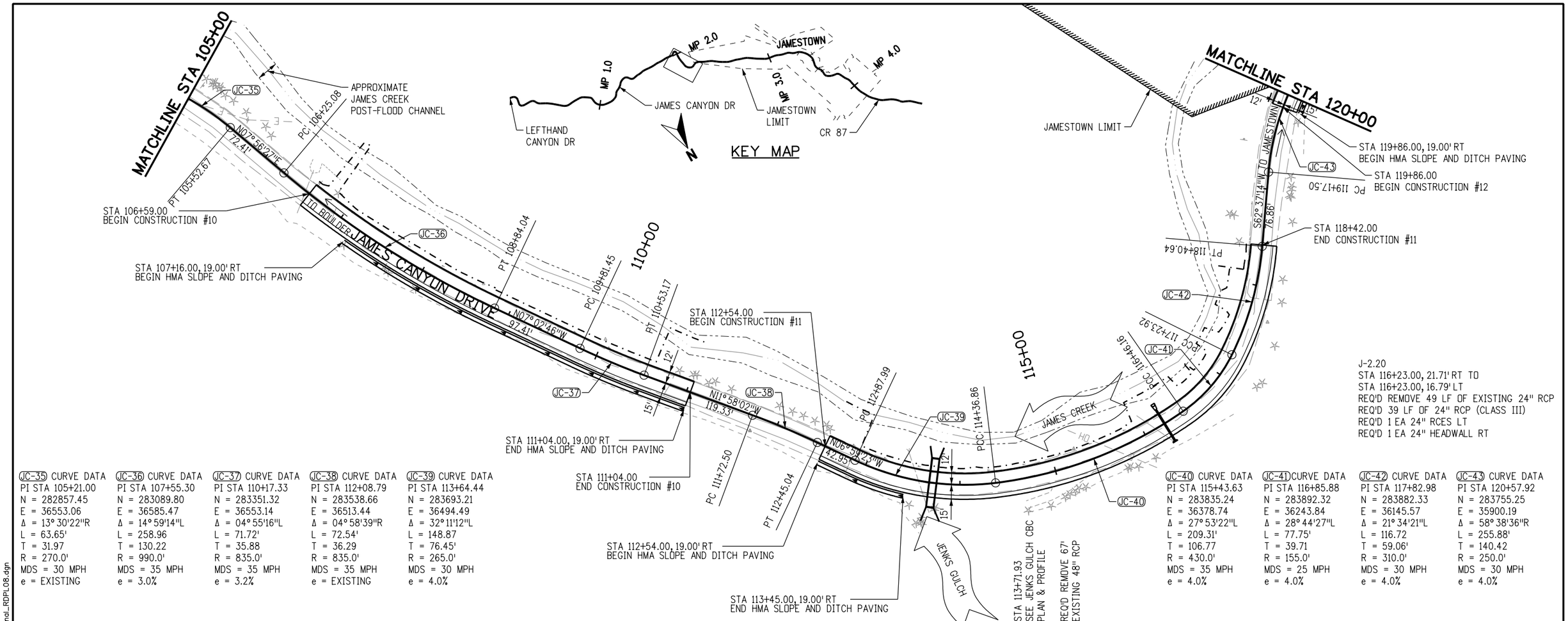
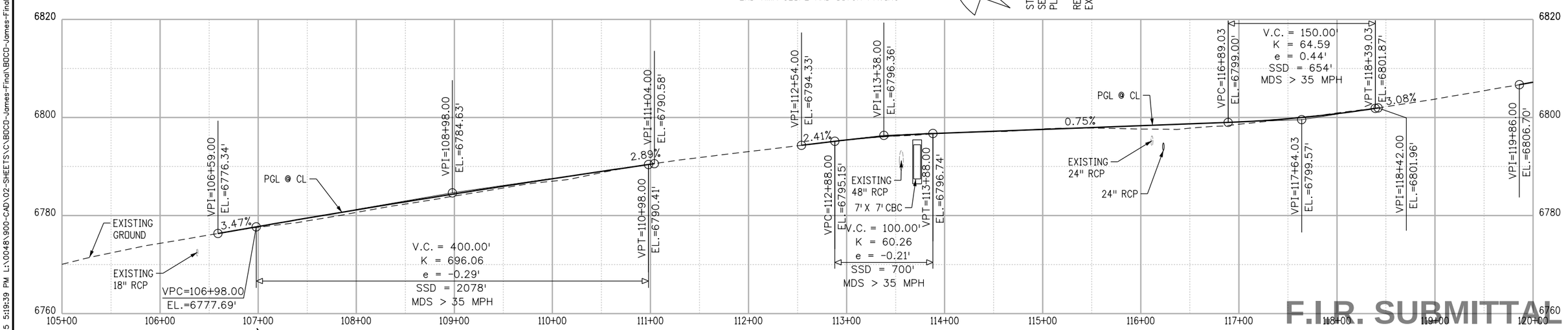


J-2.20
STA 116+23.00, 21.71' RT TO
STA 116+23.00, 16.79' LT
REQ'D REMOVE 49 LF OF EXISTING 24" RCP
REQ'D 39 LF OF 24" RCP (CLASS III)
REQ'D 1 EA 24" RCES LT
REQ'D 1 EA 24" HEADWALL RT

JC-35 CURVE DATA	JC-36 CURVE DATA	JC-37 CURVE DATA	JC-38 CURVE DATA	JC-39 CURVE DATA
PI STA 105+21.00	PI STA 107+55.30	PI STA 110+17.33	PI STA 112+08.79	PI STA 113+64.44
N = 282857.45	N = 283089.80	N = 283351.32	N = 283538.66	N = 283693.21
E = 36553.06	E = 36585.47	E = 36553.14	E = 36513.44	E = 36494.49
Δ = 13° 30'22"R	Δ = 14° 59'14"L	Δ = 04° 55'16"L	Δ = 04° 58'39"R	Δ = 32° 11'12"L
L = 63.65'	L = 258.96	L = 71.72'	L = 72.54'	L = 148.87
T = 31.97	T = 130.22	T = 35.88	T = 36.29	T = 76.45'
R = 270.0'	R = 990.0'	R = 835.0'	R = 835.0'	R = 265.0'
MDS = 30 MPH	MDS = 35 MPH	MDS = 35 MPH	MDS = 35 MPH	MDS = 30 MPH
e = EXISTING	e = 3.0%	e = 3.2%	e = EXISTING	e = 4.0%

JC-40 CURVE DATA	JC-41 CURVE DATA	JC-42 CURVE DATA	JC-43 CURVE DATA
PI STA 115+43.63	PI STA 116+85.88	PI STA 117+82.98	PI STA 120+57.92
N = 283835.24	N = 283892.32	N = 283882.33	N = 283755.25
E = 36378.74	E = 36243.84	E = 36145.57	E = 35900.19
Δ = 27° 53'22"L	Δ = 28° 44'27"L	Δ = 21° 34'21"L	Δ = 58° 38'36"R
L = 209.31'	L = 77.75'	L = 116.72	L = 255.88'
T = 106.77	T = 39.71	T = 59.06'	T = 140.42
R = 430.0'	R = 155.0'	R = 310.0'	R = 250.0'
MDS = 35 MPH	MDS = 25 MPH	MDS = 30 MPH	MDS = 30 MPH
e = 4.0%	e = 4.0%	e = 4.0%	e = 4.0%



F.I.R. SUBMITTAL

0' 50' 100' 200'

F.I.R.

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BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

DESIGNED:	CAD:	CHECKED:	DATE:
JTS	JTS	MES	06/24/2015

JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91
SHEET NO: 14

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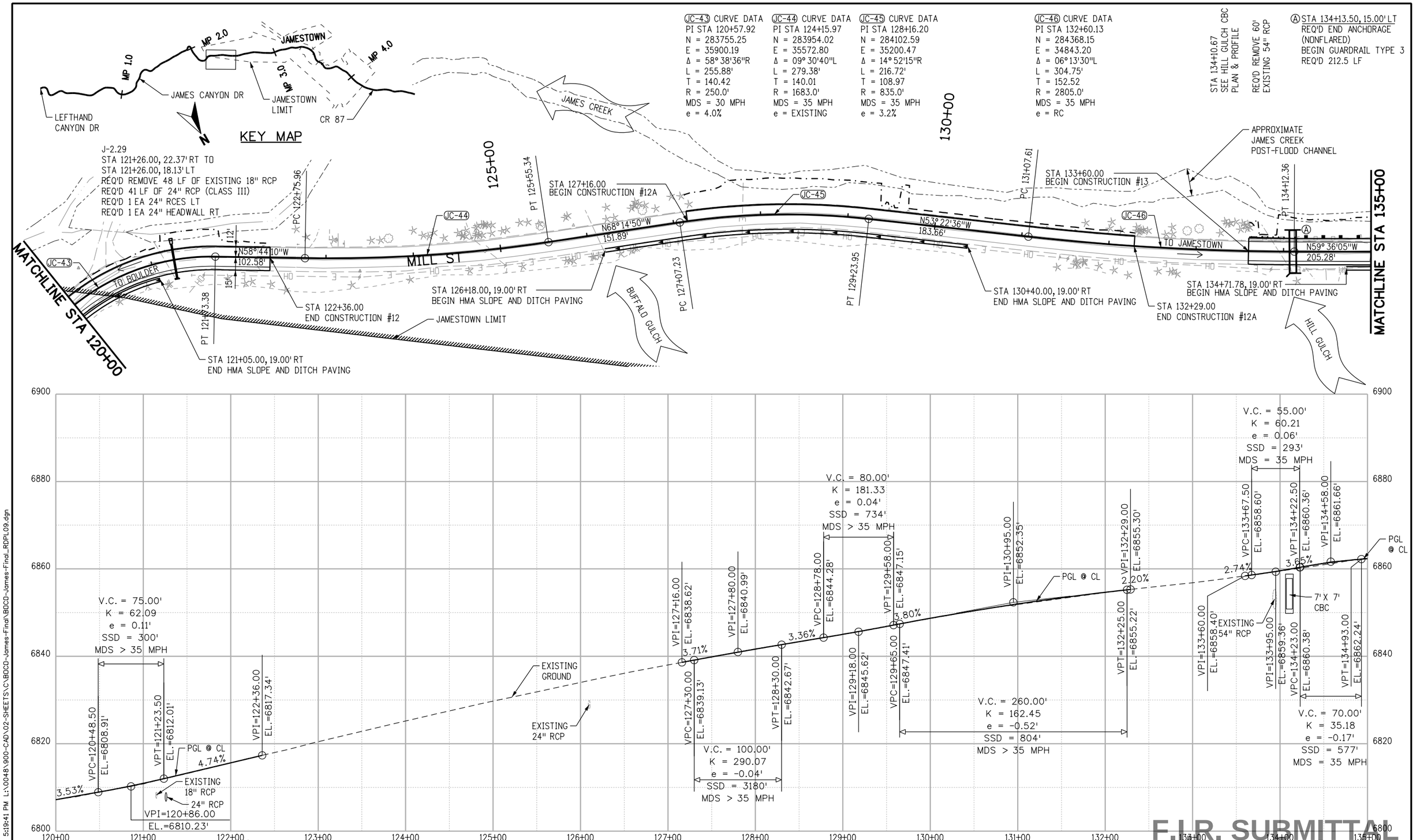

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BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
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JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91
SHEET NO: 15

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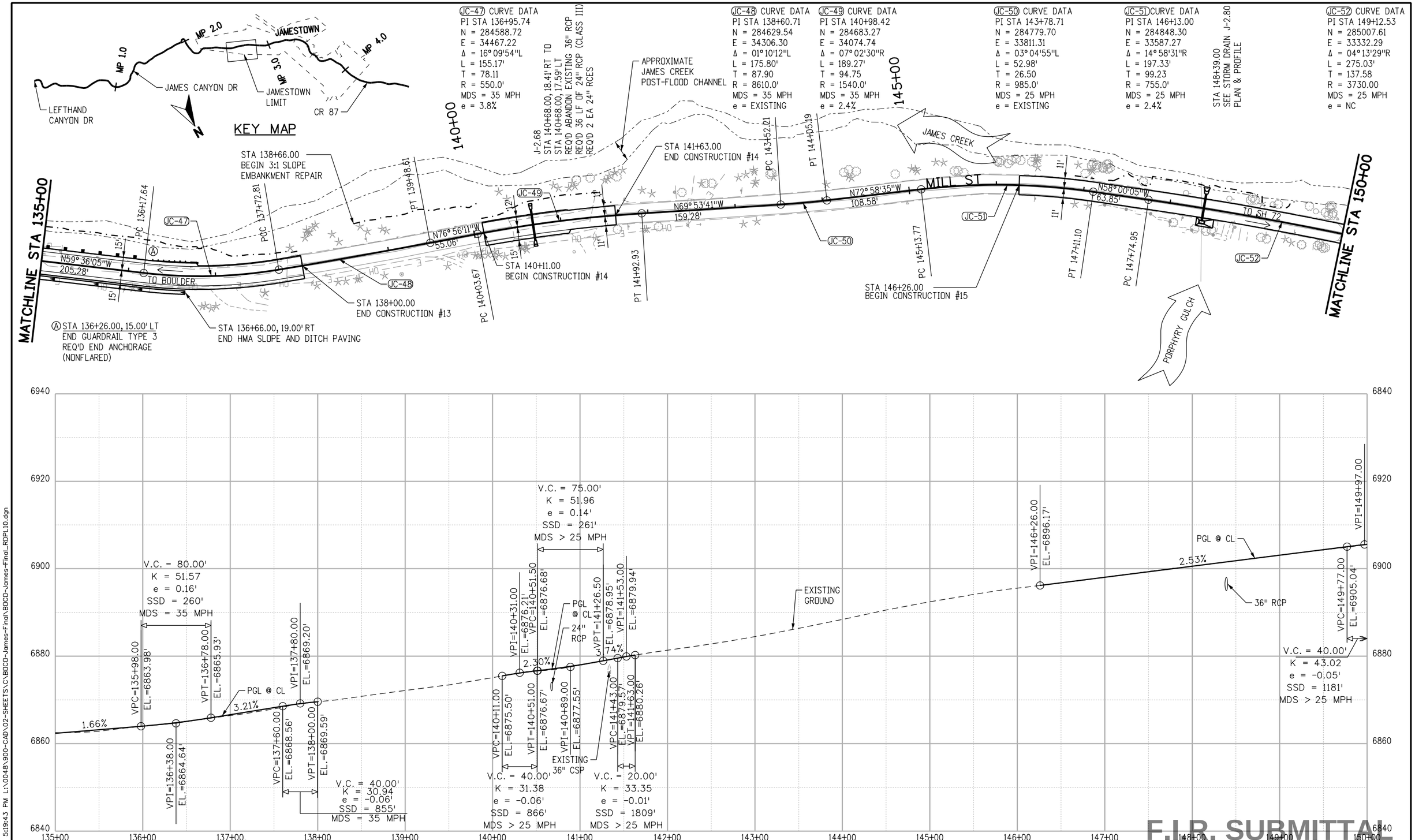

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JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91
SHEET NO: 16

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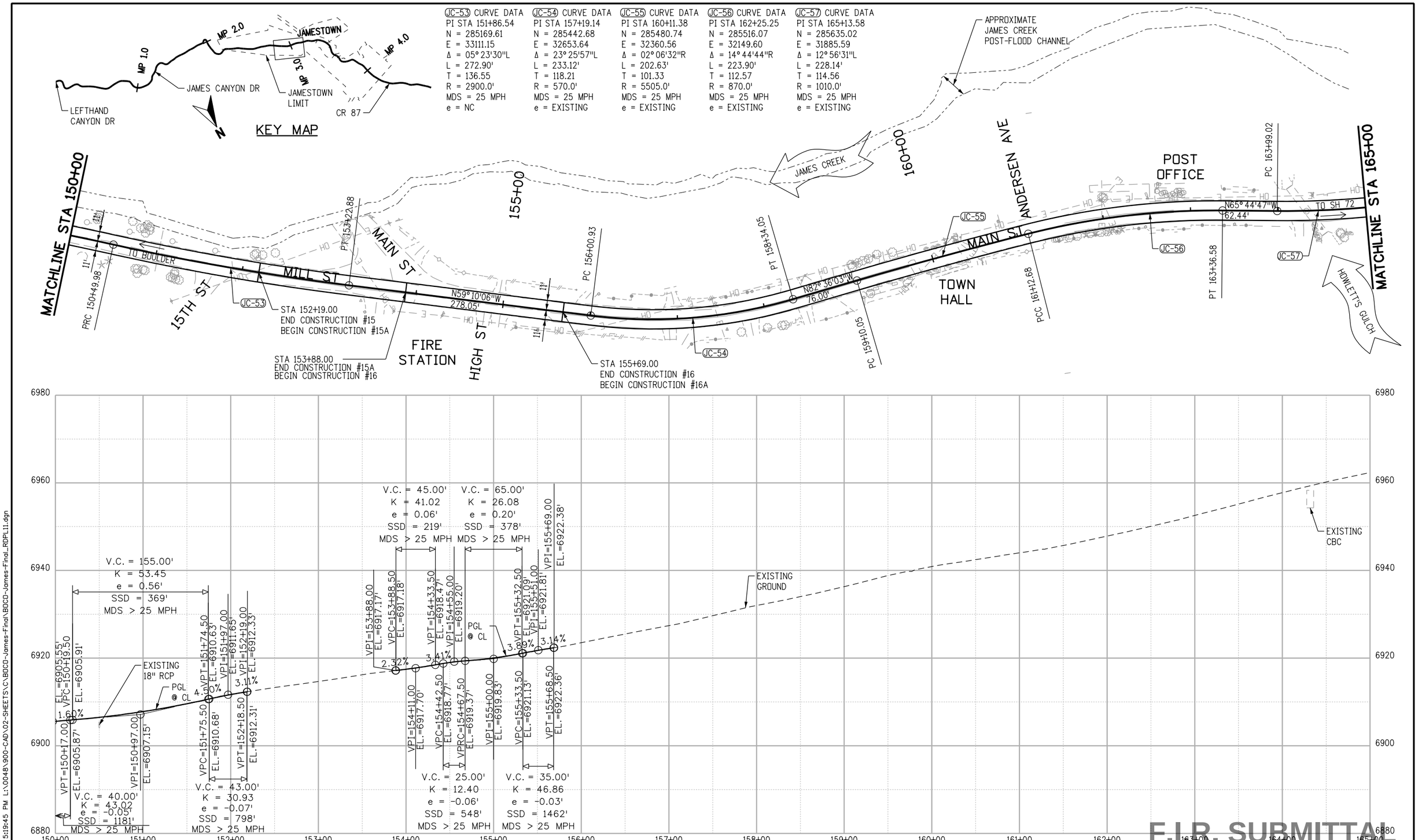
JC-53 CURVE DATA	JC-54 CURVE DATA	JC-55 CURVE DATA	JC-56 CURVE DATA	JC-57 CURVE DATA
PI STA 151+86.54	PI STA 157+19.14	PI STA 160+11.38	PI STA 162+25.25	PI STA 165+13.58
N = 285169.61	N = 285442.68	N = 285480.74	N = 285516.07	N = 285635.02
E = 33111.15	E = 32653.64	E = 32360.56	E = 32149.60	E = 31885.59
Δ = 05° 23'30"L	Δ = 23° 25'57"L	Δ = 02° 06'32"R	Δ = 14° 44'44"R	Δ = 12° 56'31"L
L = 272.90'	L = 233.12'	L = 202.63'	L = 223.90'	L = 228.14'
T = 136.55	T = 118.21	T = 101.33	T = 112.57	T = 114.56
R = 2900.0'	R = 570.0'	R = 5505.0'	R = 870.0'	R = 1010.0'
MDS = 25 MPH	MDS = 25 MPH	MDS = 25 MPH	MDS = 25 MPH	MDS = 25 MPH
e = NC	e = EXISTING	e = EXISTING	e = EXISTING	e = EXISTING



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JTS	JTS	MES	06/24/2015

JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91 | SHEET NO: 17

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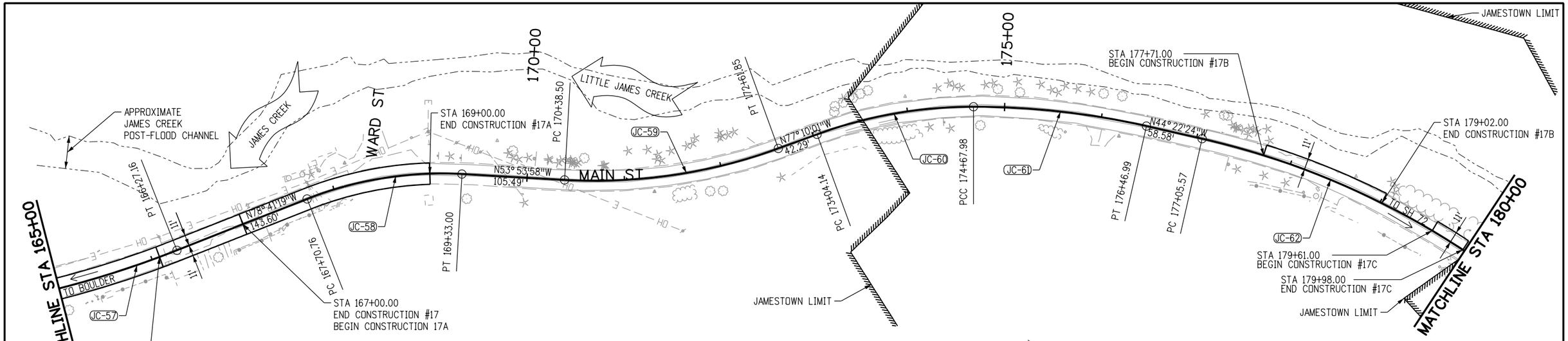


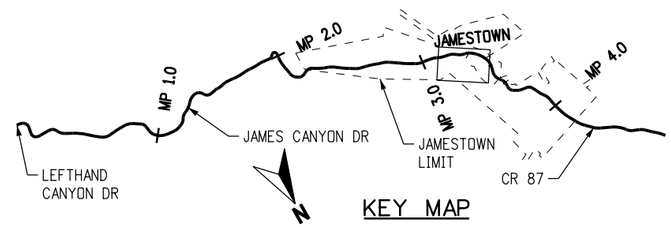
JC-57 CURVE DATA
PI STA 165+13.58
N = 285635.02
E = 31885.59
Δ = 12° 56'31"L
L = 228.14'
T = 114.56
R = 1010.0'
MDS = 25 MPH
e = EXISTING

JC-58 CURVE DATA
PI STA 168+53.17
N = 285701.82
E = 31551.63
Δ = 24° 47'21"R
L = 162.24'
T = 82.41
R = 375.0'
MDS = 25 MPH
e = EXISTING

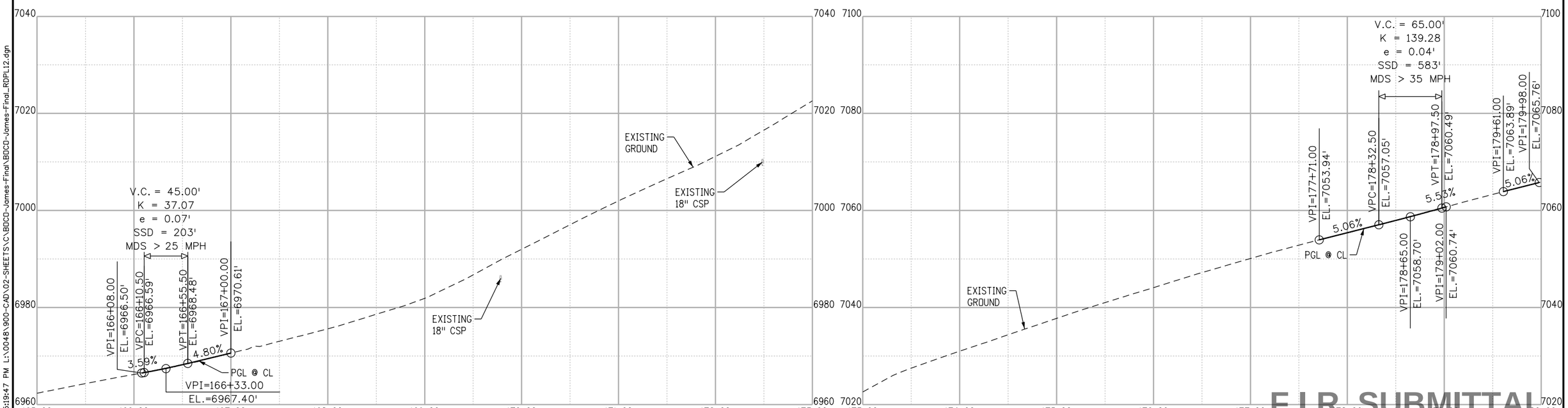
JC-59 CURVE DATA
PI STA 171+51.73
N = 285879.25
E = 31308.32
Δ = 23° 16'03"L
L = 223.35'
T = 113.24
R = 550.0'
MDS = 25 MPH
e = EXISTING

JC-60 CURVE DATA
PI STA 173+86.90
N = 285932.18
E = 31075.98
Δ = 19° 58'24"R
L = 163.84'
T = 82.76
R = 470.0'
MDS = 25 MPH
e = EXISTING

JC-61 CURVE DATA
PI STA 175+57.86
N = 286025.72
E = 30930.88
Δ = 12° 49'13"R
L = 179.01'
T = 89.88
R = 800.0'
MDS = 25 MPH
e = EXISTING



JC-62 CURVE DATA
PI STA 179+41.20
N = 286300.26
E = 30662.27
Δ = 32° 15'03"R
L = 458.75'
T = 235.63
R = 815.0'
MDS = 35 MPH
e = 3.4%



0' 50' 100' 200'

F.I.R.

CALL UTILITY NOTIFICATION CENTER OF COLORADO
811
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION
AECOM

DESIGNED:	CAD:	CHECKED:	DATE:
JTS	JTS	MES	06/24/2015

JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91
SHEET NO: 18

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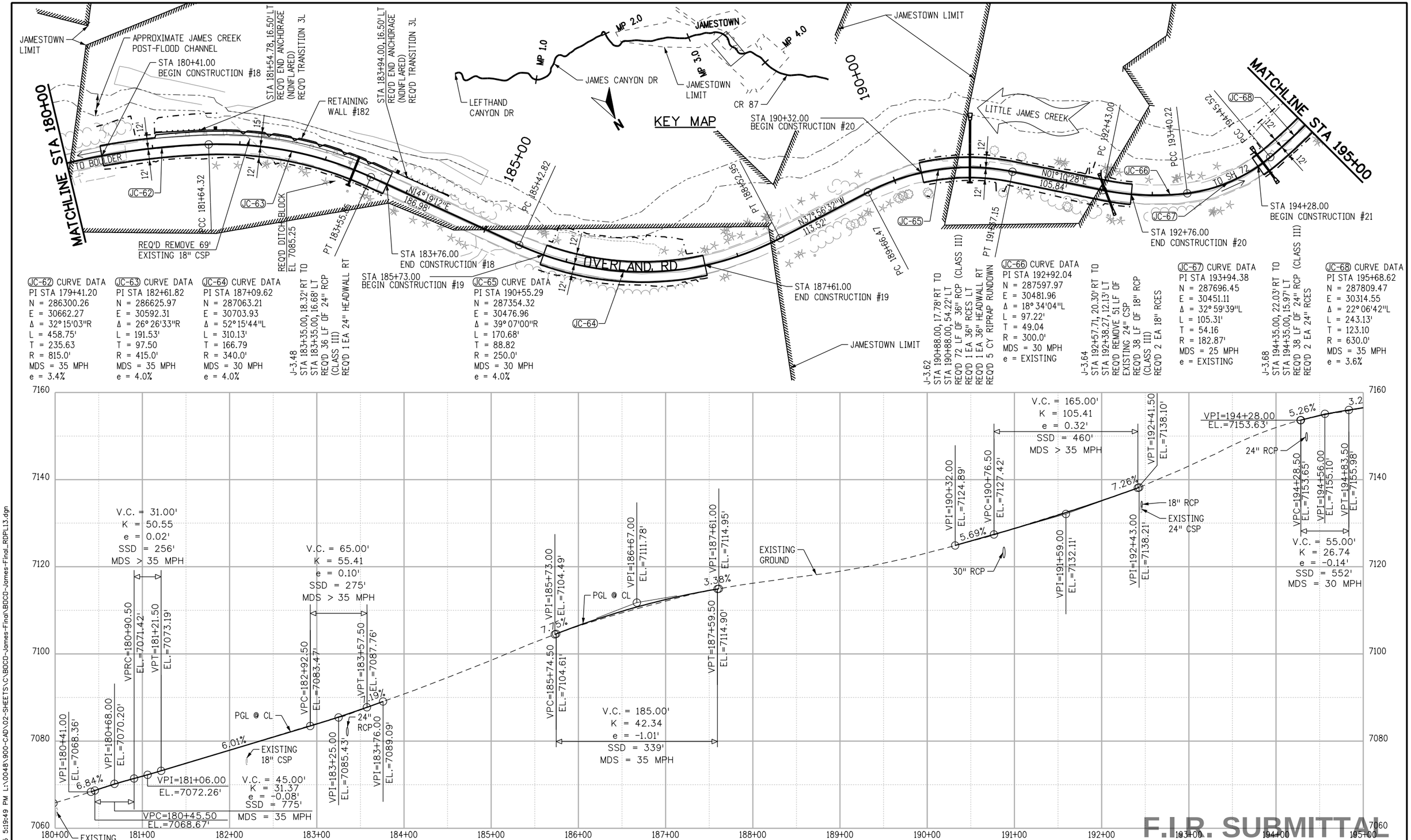

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JTS	JTS	MES	06/24/2015

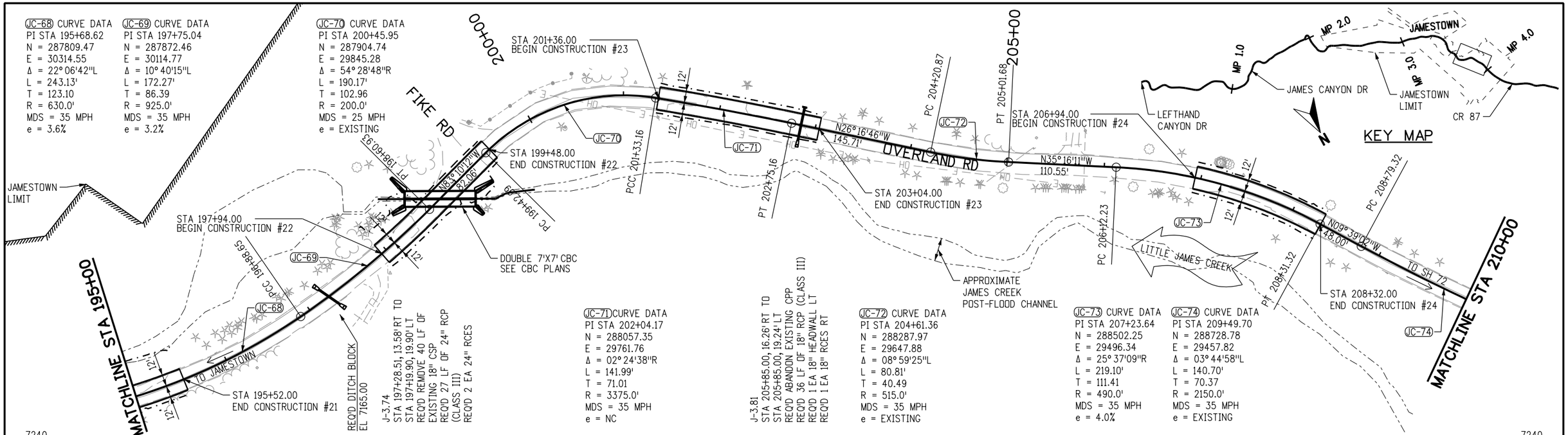
JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91 | SHEET NO: 19

JC-68 CURVE DATA
PI STA 195+68.62
N = 287809.47
E = 30314.55
Δ = 22° 06'42"L
L = 243.13'
T = 123.10
R = 630.0'
MDS = 35 MPH
e = 3.6%

JC-69 CURVE DATA
PI STA 197+75.04
N = 287872.46
E = 30114.77
Δ = 10° 40'15"L
L = 172.27'
T = 86.39
R = 925.0'
MDS = 35 MPH
e = 3.2%

JC-70 CURVE DATA
PI STA 200+45.95
N = 287904.74
E = 29845.28
Δ = 54° 28'48"R
L = 190.17'
T = 102.96
R = 200.0'
MDS = 25 MPH
e = EXISTING



REQ'D DITCH BLOCK
EL 7165.00

J-3.74
STA 197+28.51, 13.58' RT TO
STA 197+19.90, 19.90' LT
REQ'D REMOVE 40 LF OF
EXISTING 18" CSP
REQ'D 27 LF OF 24" RCP
(CLASS III)
REQ'D 2 EA 24" RCES

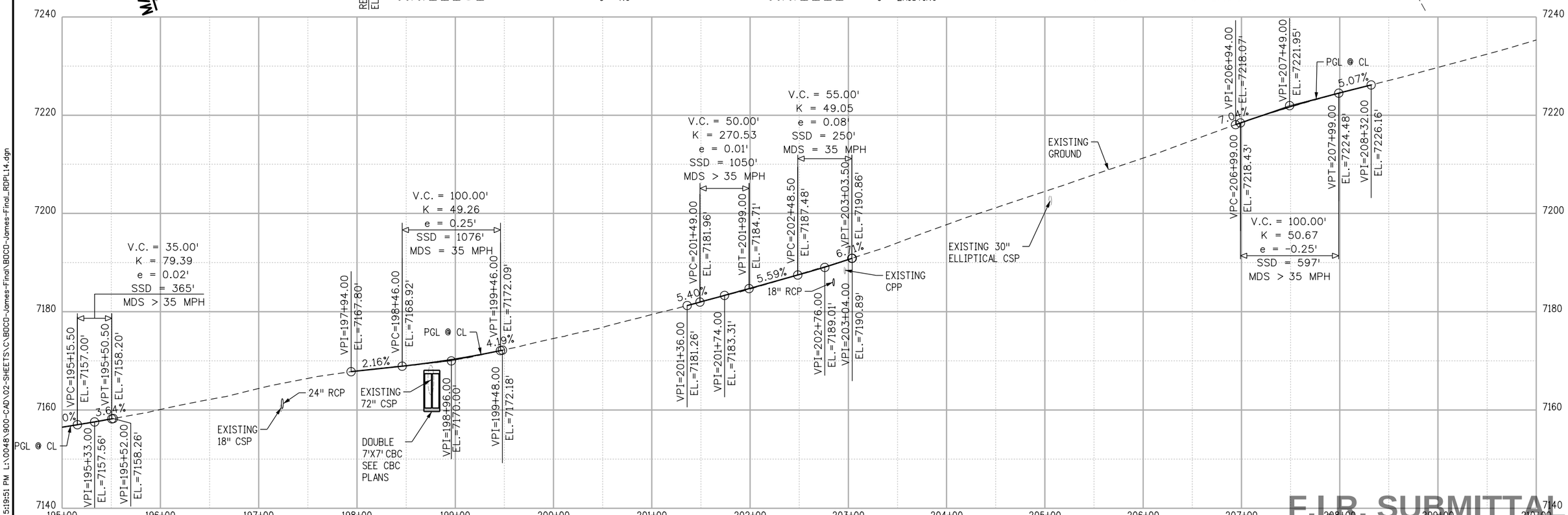
JC-71 CURVE DATA
PI STA 202+04.17
N = 288057.35
E = 29761.76
Δ = 02° 24'38"R
L = 141.99'
T = 71.01
R = 3375.0'
MDS = 35 MPH
e = NC

J-3.81
STA 205+85.00, 16.26' RT TO
STA 205+85.00, 19.24' LT
REQ'D ABANDON EXISTING CPP
REQ'D 36 LF OF 18" RCP (CLASS III)
REQ'D 1 EA 18" HEADWALL LT
REQ'D 1 EA 18" RCES RT

JC-72 CURVE DATA
PI STA 204+61.36
N = 288287.97
E = 29647.88
Δ = 08° 59'25"L
L = 80.81'
T = 40.49
R = 515.0'
MDS = 35 MPH
e = EXISTING

JC-73 CURVE DATA
PI STA 207+23.64
N = 288502.25
E = 29496.34
Δ = 25° 37'09"R
L = 219.10'
T = 111.41
R = 490.0'
MDS = 35 MPH
e = 4.0%

JC-74 CURVE DATA
PI STA 209+49.70
N = 288728.78
E = 29457.82
Δ = 03° 44'58"L
L = 140.70'
T = 70.37
R = 2150.0'
MDS = 35 MPH
e = EXISTING



F.I.R. SUBMITTAL

0' 50' 100' 200'

F.I.R.

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REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

Boulder County

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BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

DESIGNED:	CAD:	CHECKED:	DATE:
JTS	JTS	MES	06/24/2015

JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91
SHEET NO: 20

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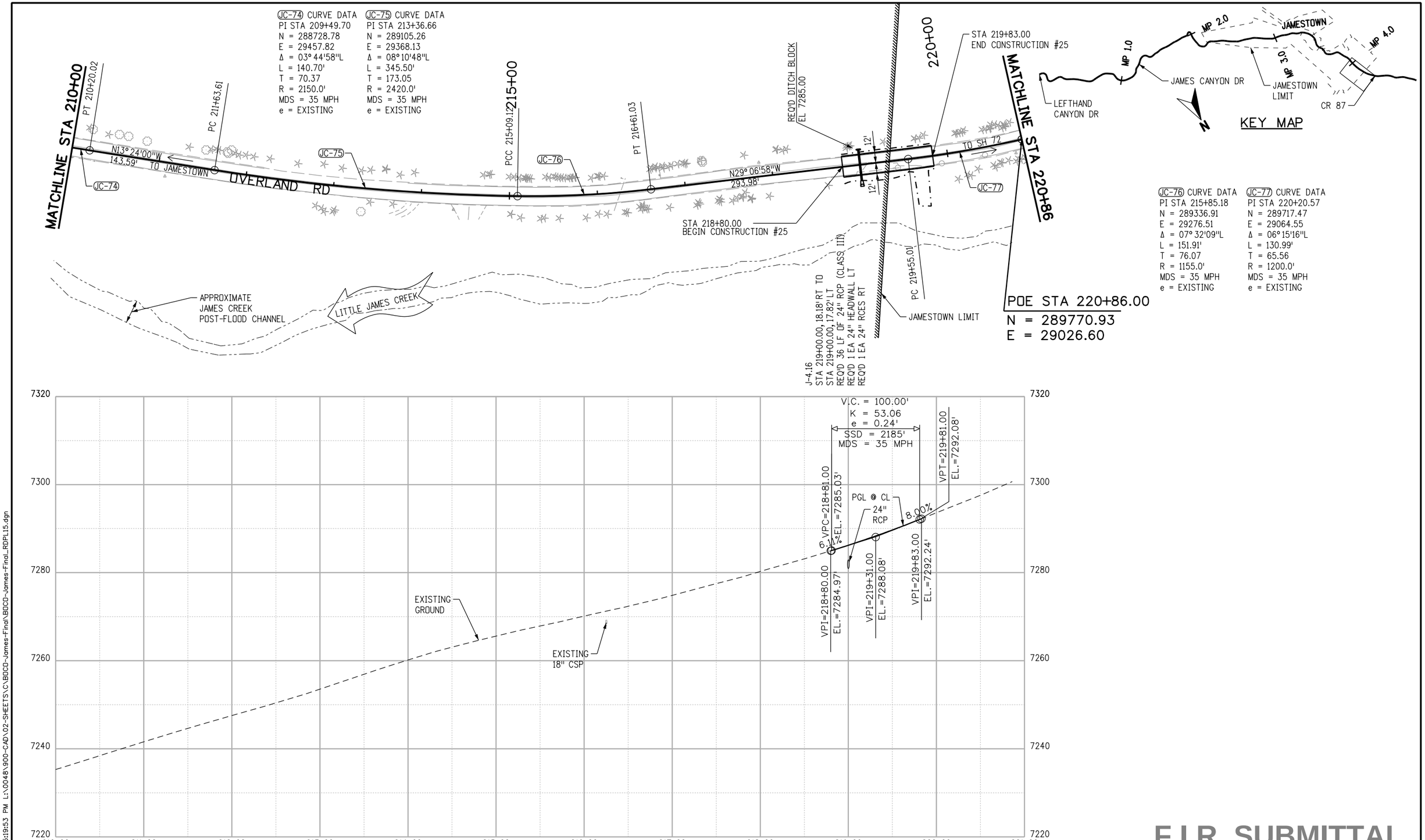

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REVISIONS:	NO.	DATE	REVISION DESCRIPTION:

BOULDER COUNTY TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

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DESIGNED:	CAD:	CHECKED:	DATE:
JTS	JTS	MES	06/24/2015

JAMES CANYON
PLAN AND PROFILE

PROJECT NO: SEPT12C24 SEPT12C91

SHEET NO: 21

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