$TIME$

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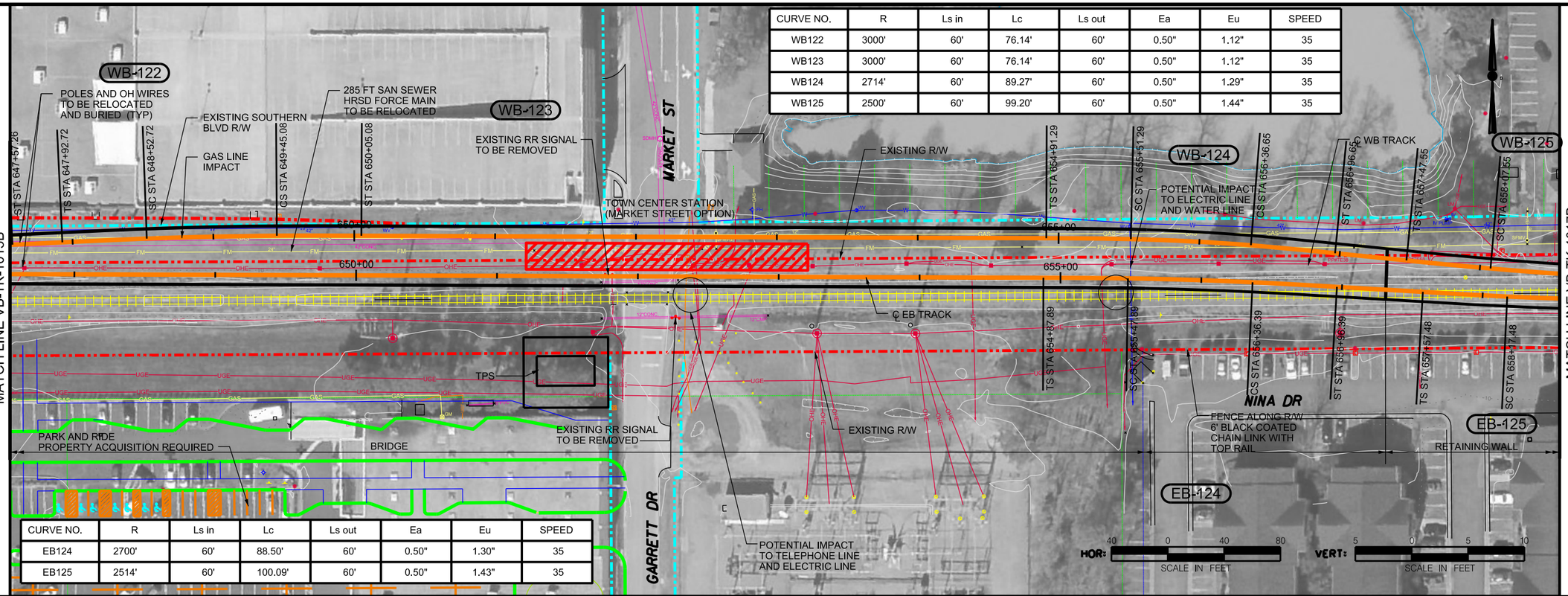
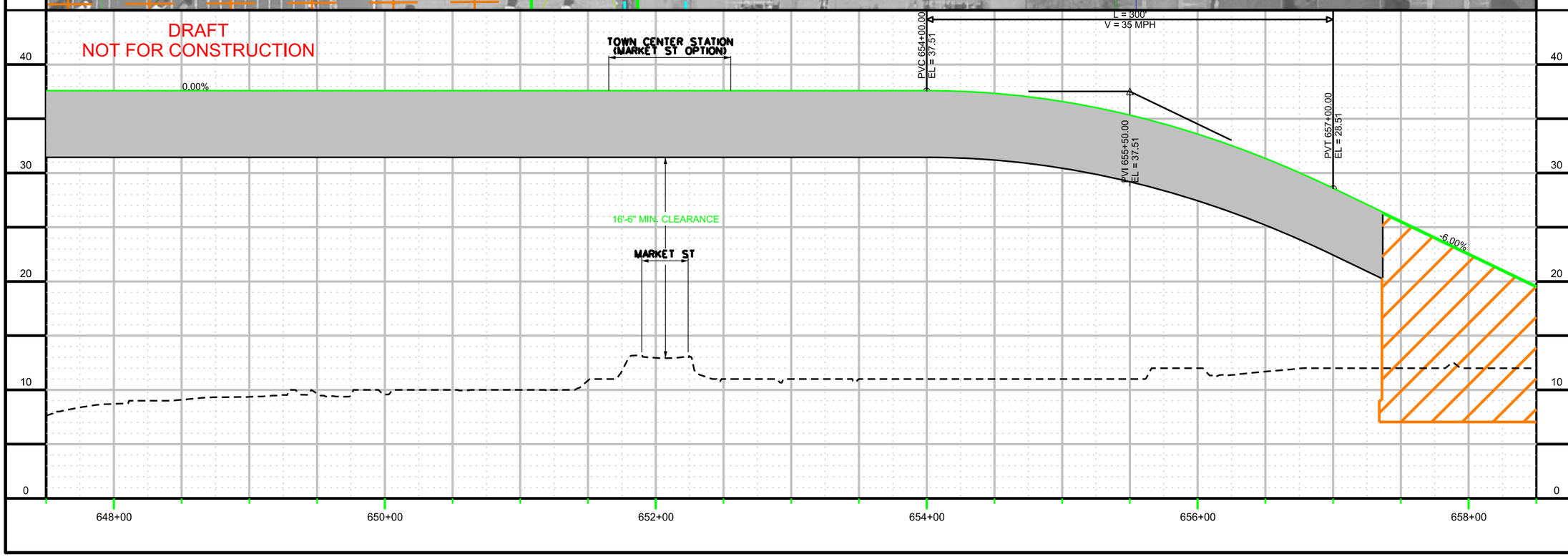


CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB122	3000'	60'	76.14'	60'	0.50"	1.12"	35
WB123	3000'	60'	76.14'	60'	0.50"	1.12"	35
WB124	2714'	60'	89.27'	60'	0.50"	1.29"	35
WB125	2500'	60'	99.20'	60'	0.50"	1.44"	35

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB124	2700'	60'	88.50'	60'	0.50"	1.30"	35
EB125	2514'	60'	100.09'	60'	0.50"	1.43"	35



CONTRACT NO.

DRAWING NO. VB-TK-1016B

OF

TRACK PLAN / PROFILE
TOWN CENTER
MARKET ST OPTION
SHEET 16B OF 52

DRAFT

APPR.	CHK	DRAWN	DESIGN
	KVL	SAB	SAB

DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY: HDR

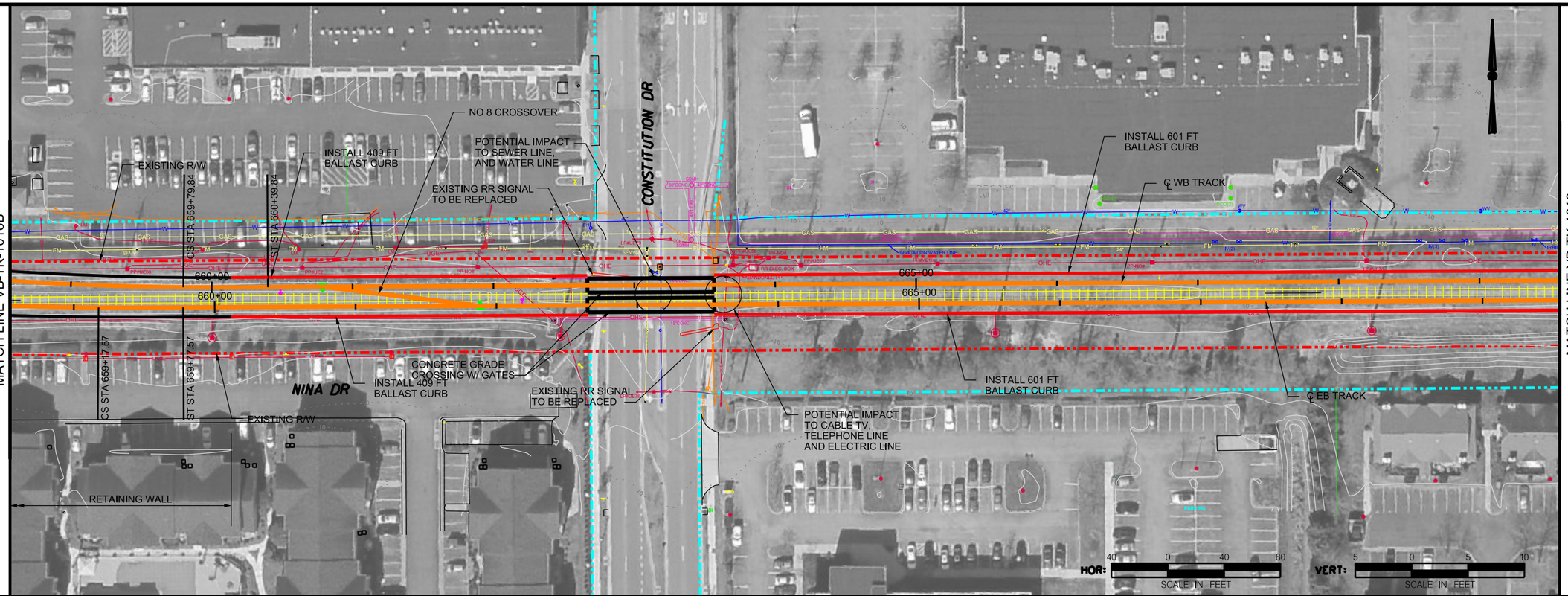
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

$FILE$

$TIME$

$DATE$



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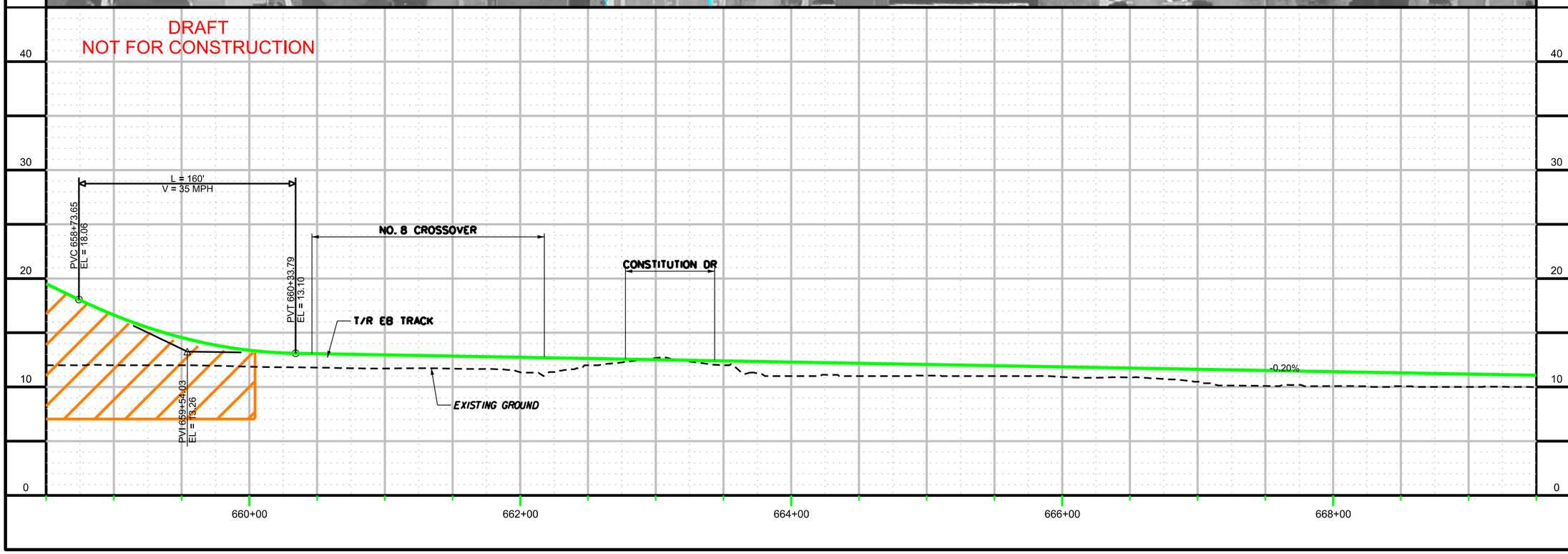


CONTRACT NO.	DRAWING NO.	OF
	VB-TK-1017B	

TRACK PLAN / PROFILE
TOWN CENTER
MARKET ST OPTION
SHEET 17B OF 52

DRAFT

DESIGN	DRAWN	CHCK	APPR	DATE
SAB	SAB	KVL		
DATE	DATE	DATE	DATE	

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

$FILE$

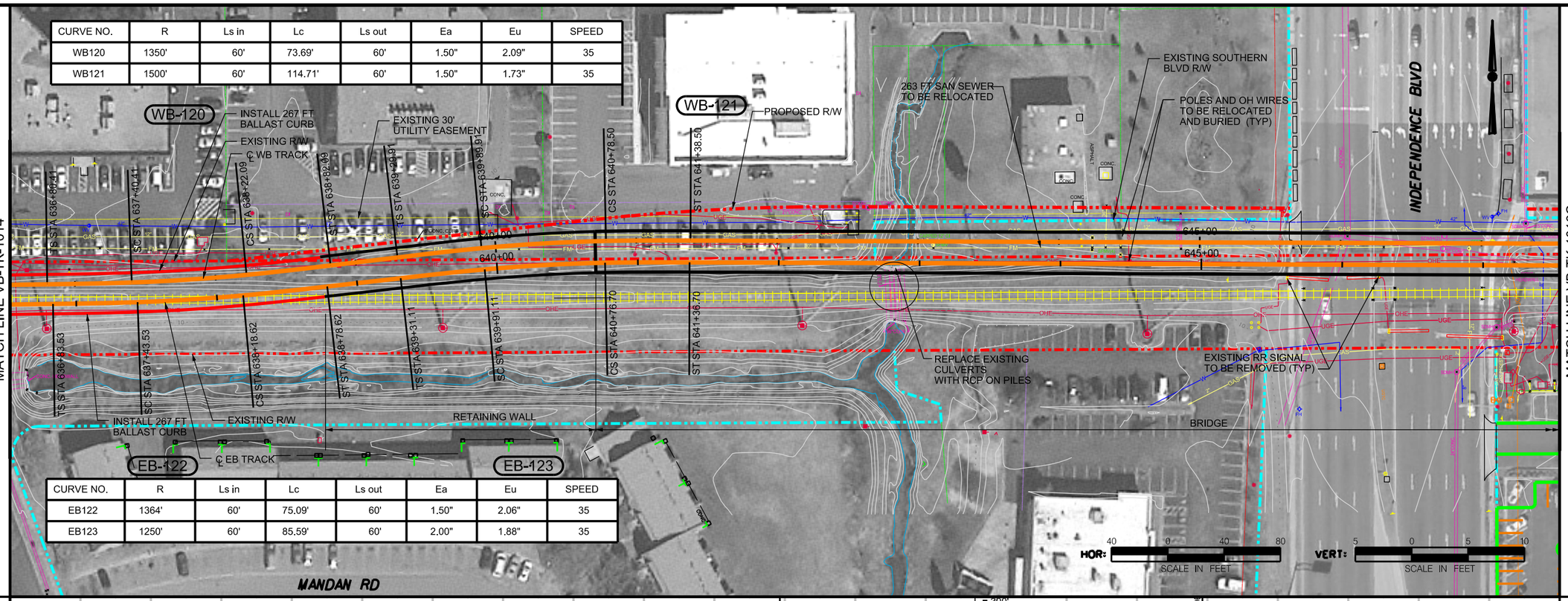
$TIME$

$DATE$

$FILE$

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB120	1350'	60'	73.69'	60'	1.50"	2.09"	35
WB121	1500'	60'	114.71'	60'	1.50"	1.73"	35

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB122	1364'	60'	75.09'	60'	1.50"	2.06"	35
EB123	1250'	60'	85.59'	60'	2.00"	1.88"	35



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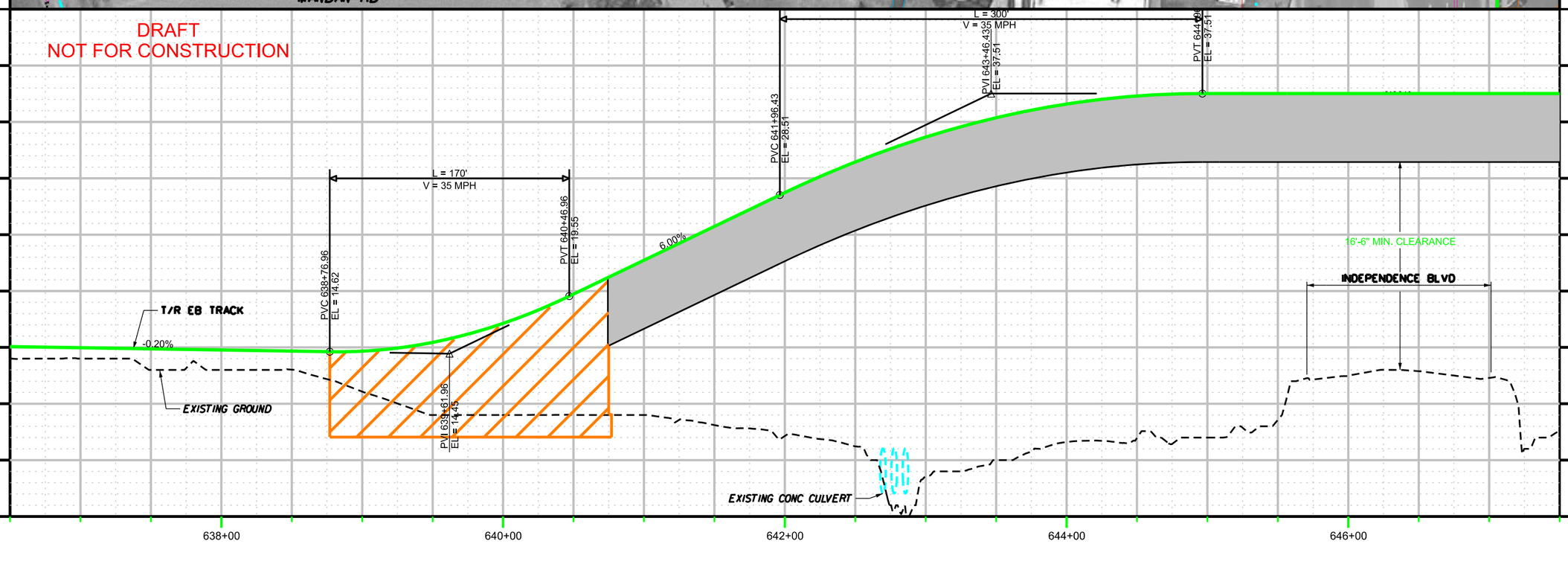

CONTRACT NO.

DRAWING NO. VB-TK-1015C

OF

TRACK PLAN / PROFILE
TOWN CENTER
CONSTITUTION OPTION
SHEET 15C OF 52

DRAFT

DESIGN SAB	DRAWN SAB	CHCK KVL	APPR
DATE	DATE	DATE	DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY: HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

$TIME$

$DATE$

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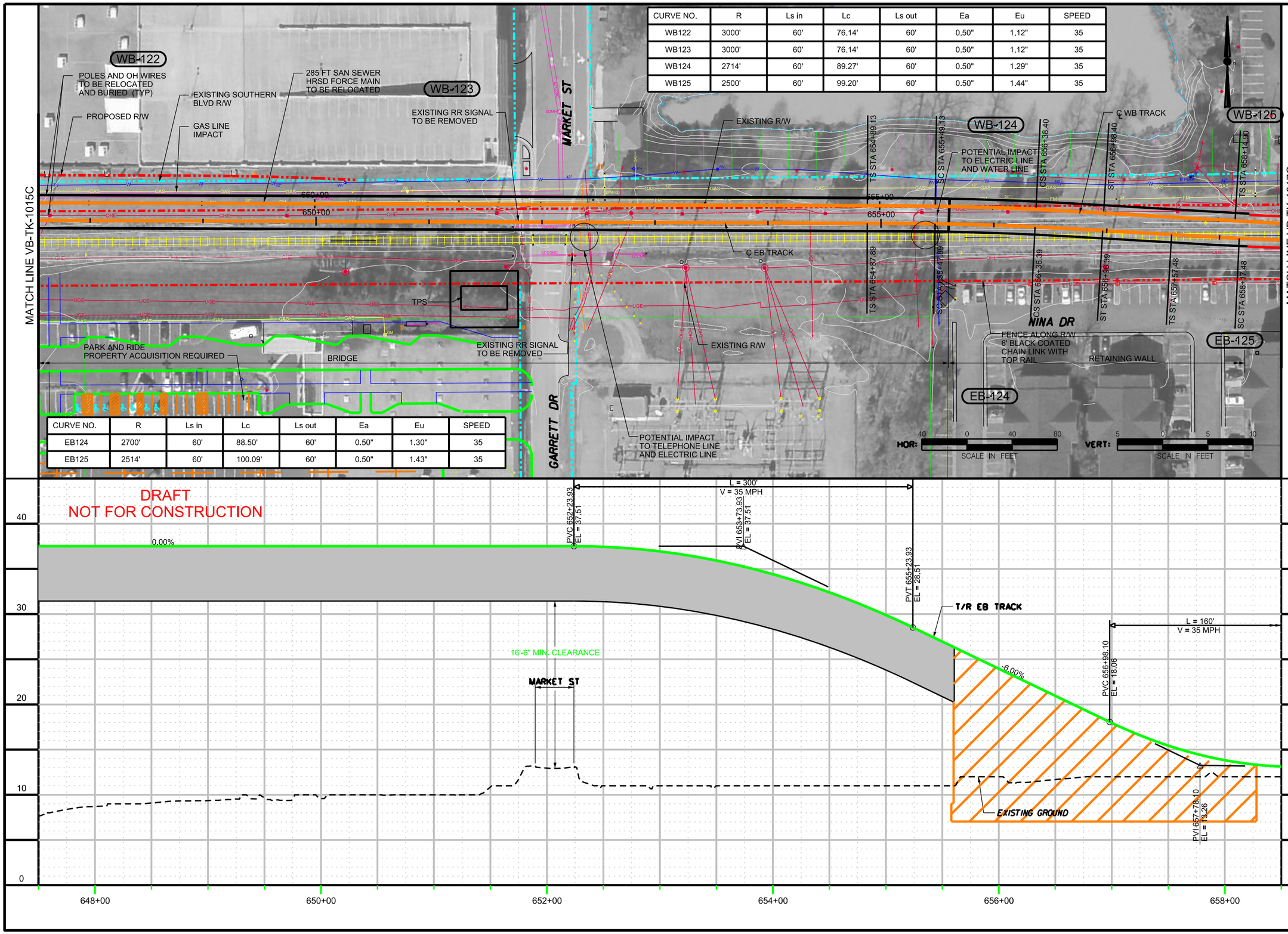


CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB122	3000'	60'	76.14'	60'	0.50"	1.12"	35
WB123	3000'	60'	76.14'	60'	0.50"	1.12"	35
WB124	2714'	60'	89.27'	60'	0.50"	1.29"	35
WB125	2500'	60'	99.20'	60'	0.50"	1.44"	35

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB124	2700'	60'	88.50'	60'	0.50"	1.30"	35
EB125	2514'	60'	100.09'	60'	0.50"	1.43"	35

CONTRACT NO.

DRAWING NO. VB-TK-1016C

OF

TRACK PLAN / PROFILE
TOWN CENTER
CONSTITUTION OPTION
SHEET 16C OF 52

DRAFT

	DATE	DATE	DATE	DATE
	SAB	SAB	KVL	
	DESIGN	DRAWN	CHCK	APPR

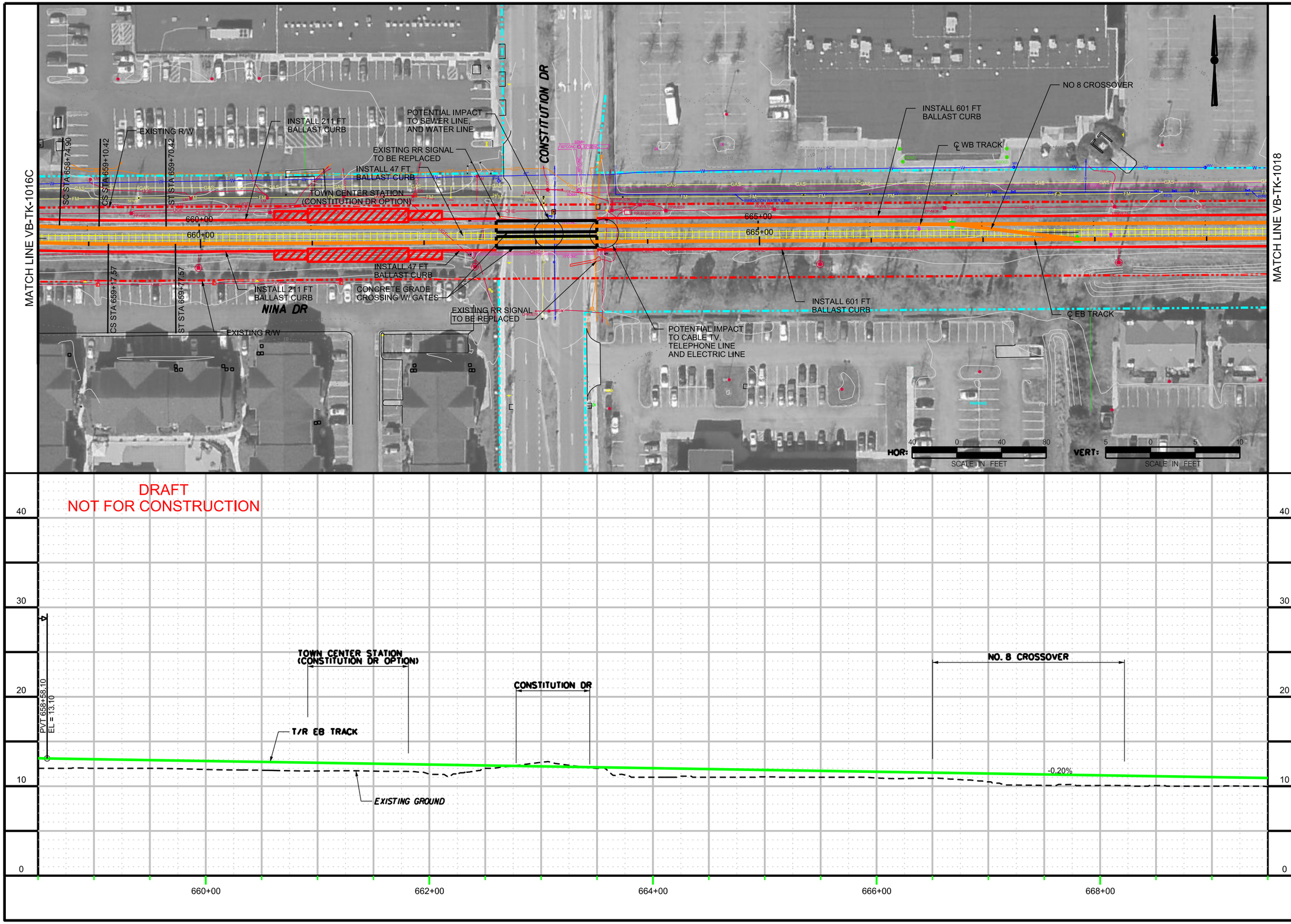
NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY



CONTRACT NO.

DRAWING NO. VB-TK-1017C

OF

TRACK PLAN / PROFILE
TOWN CENTER
CONSTITUTION OPTION
SHEET 17C OF 52

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

APPR KVL DATE
CKCK DATE
DRWN SAB DATE
DESIGN SAB DATE

PLANS PREPARED BY: HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT
EXTENSION STUDY

$TIME$
$DATE$
$FILE$

$TIME$

$DATE$

MATCH LINE VB-TK-1014W

COLUMBUS ST

PROPERTY ACQUISITION REQUIRED

SHARED ACCESS TO COLUMBUS STREET

KISS AND RIDE AREA

TPS (FOR WEST OF INDEPENDENCE STATION OPTION ONLY)

REMOVE PARKING LOT

EXIST. INDEPENDENCE BLVD. R/W

LIMIT OF PROPOSED PROPERTY ACQUISITION

CONC. SIDEWALK

LIMIT OF PROPOSED PROPERTY ACQUISITION

CONCRETE BUS TURNAROUND

EXISTING SOUTHERN BLVD R/W

REMOVE BUILDING AND ADJACENT PARKING LOT

OPERATOR RELIEF STATION

POLES AND OH WIRES TO BE RELOCATED AND BURIED (TYP)

INDEPENDENCE BLVD

EXISTING R/W

EXISTING 30' UTILITY EASEMENT

PEDESTRIAN WALKWAY OVER INDEPENDENCE BLVD.

STAIR TOWER WITH 2 ELEVATORS

POE 644+32.36

EXISTING RR SIGNAL TO BE REMOVED (TYP)

INSTALL 74 FT BALLAST CURB

CONC. SIDEWALK

℄ WB TRACK

640+00

640+00

644+34

644+33

STAIR TOWER WITH 2 ELEVATORS ON EAST END OF PED. BRIDGE

℄ EB TRACK

NO. 8 DOUBLE CROSSOVER

INSTALL 74 FT BALLAST CURB

TOWN CENTER STATION (WEST OF INDEPENDENCE OPTION)

INSTALL 206 FT BALLAST CURB

POE 644+33.47

REPLACE EXISTING CULVERTS WITH RCP ON PILES

TOWN CENTER STATION PARK AND RIDE SEE SHEET VB-TK-7002

EXISTING R/W

HOR: 40 0 40 80 SCALE IN FEET

VERT: 5 0 5 10 SCALE IN FEET

DRAFT
NOT FOR CONSTRUCTION

TOWN CENTER STATION (WEST OF INDEPENDENCE OPTION)

T/R EB TRACK

-0.20%

EXISTING GROUND

PVI 644+33.47
EL = 13.51

EXISTING CONC CULVERT

40 30 20 10 0

638+00 640+00 642+00 644+00 646+00

$FILE$

CONTRACT NO.	DRAWING NO. VB-TK-1015W	OF

TRACK PLAN / PROFILE
TOWN CENTER ALT.
WEST OF INDEPENDENCE
STATION OPTION

DRAFT

DATE	DATE	DATE	DATE
SAB	SAB	KVL	
DESIGN	DRAWN	CHCK	APPR

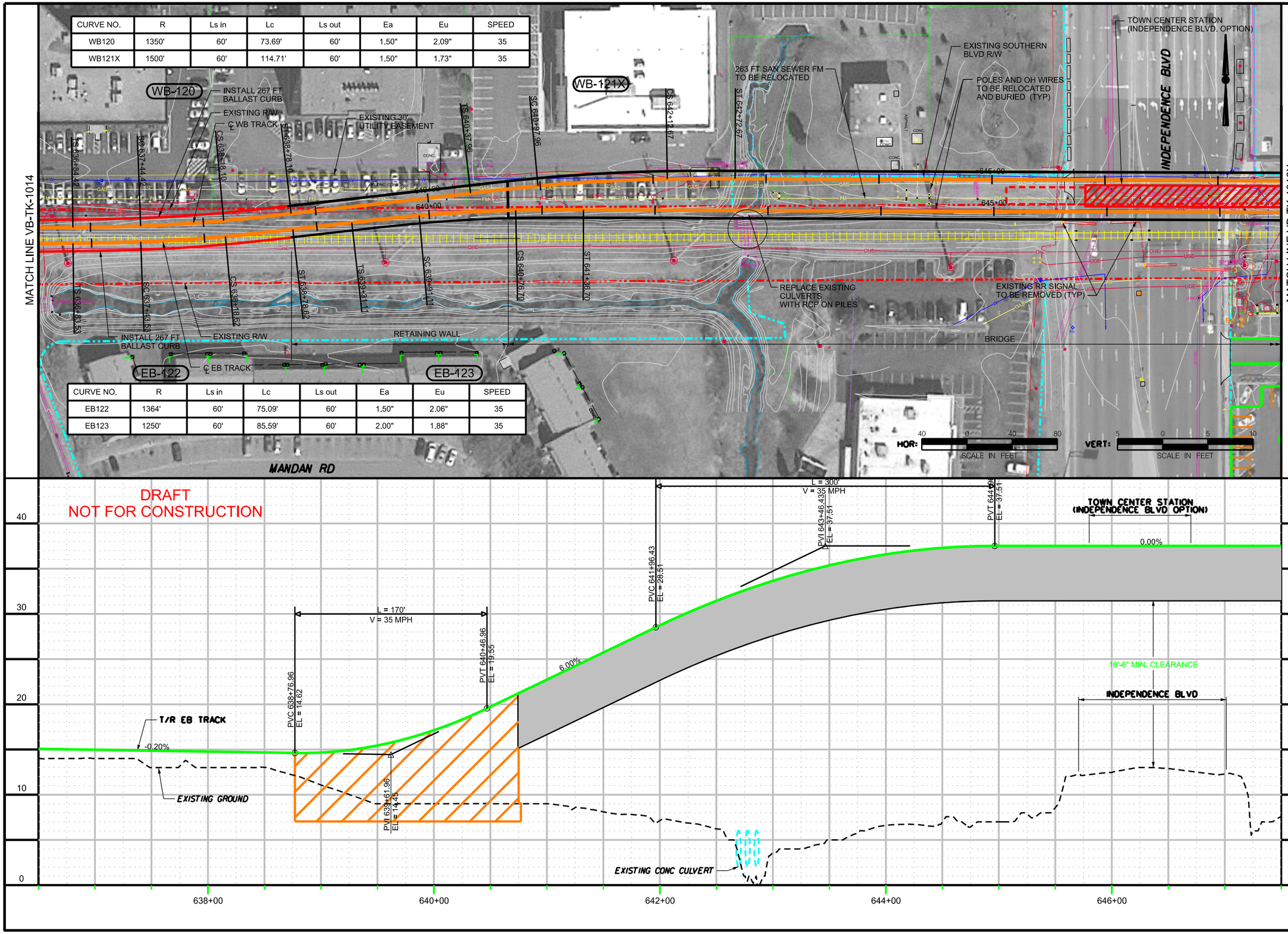
NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB120	1350'	60'	73.69'	60'	1.50"	2.09"	35
WB121X	1500'	60'	114.71'	60'	1.50"	1.73"	35

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB122	1364'	60'	75.09'	60'	1.50"	2.06"	35
EB123	1250'	60'	85.59'	60'	2.00"	1.88"	35

CONTRACT NO.

DRAWING NO. VB-TK-1015X

OF

TRACK PLAN / PROFILE
TOWN CENTER ALT.
INDEPENDENCE OPTION

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

DESIGN SAB DATE
DRWN SAB DATE
CKCK KVL DATE
APPR DATE

PLANS PREPARED BY: HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

$TIME$
$DATE$
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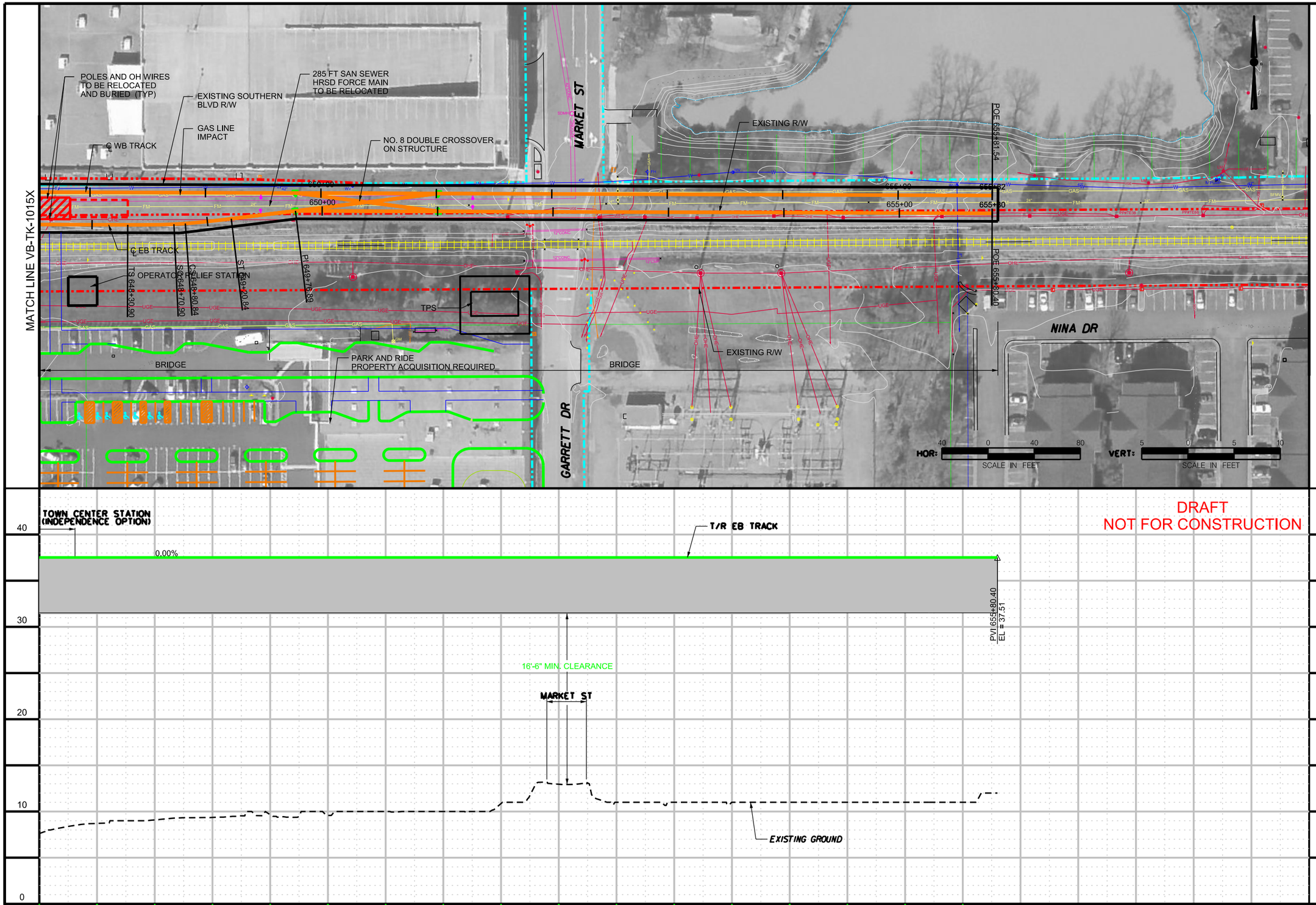


CONTRACT NO.

DRAWING NO. VB-TK-1016X

OF

TRACK PLAN / PROFILE
TOWN CENTER ALT.
INDEPENDENCE OPTION

DRAFT

APPR	DATE
KVL	DATE
CKCK	DATE
DRAWN SAB	DATE
DESIGN SAB	DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

$FILE$

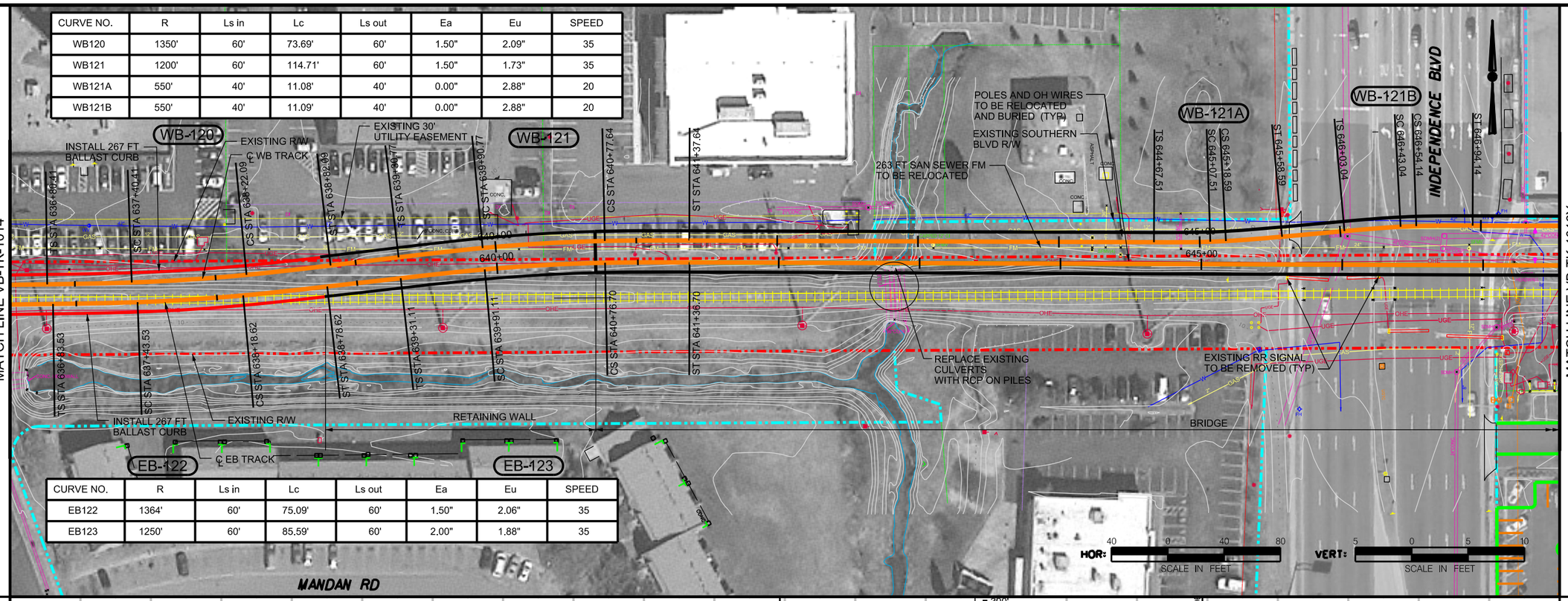
$TIME$

$DATE$

$FILE$

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB120	1350'	60'	73.69'	60'	1.50"	2.09"	35
WB121	1200'	60'	114.71'	60'	1.50"	1.73"	35
WB121A	550'	40'	11.08'	40'	0.00"	2.88"	20
WB121B	550'	40'	11.09'	40'	0.00"	2.88"	20

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB122	1364'	60'	75.09'	60'	1.50"	2.06"	35
EB123	1250'	60'	85.59'	60'	2.00"	1.88"	35



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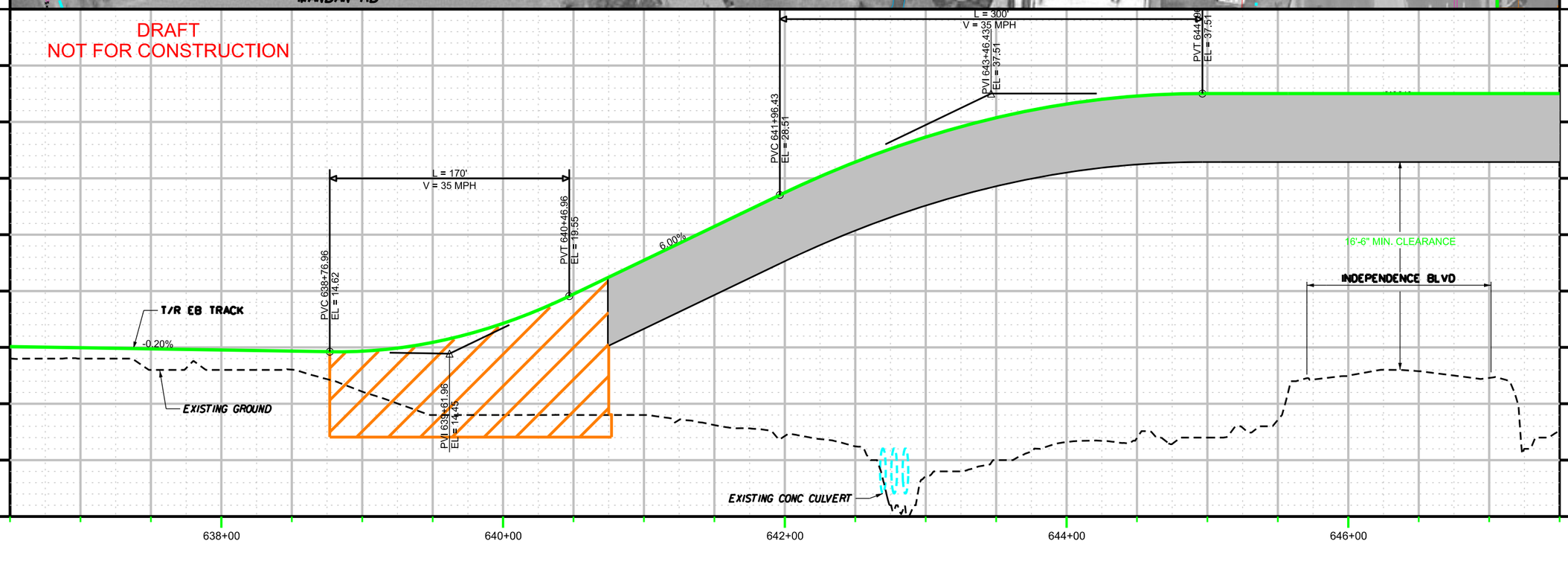


CONTRACT NO.

DRAWING NO. VB-TK-1015Y

OF

TRACK PLAN / PROFILE
TOWN CENTER ALT.
MARKET ST. OPTION

DRAFT

APPR.	CHCK.	DRAWN	DESIGN
KVL	KVL	SAB	SAB

DATE

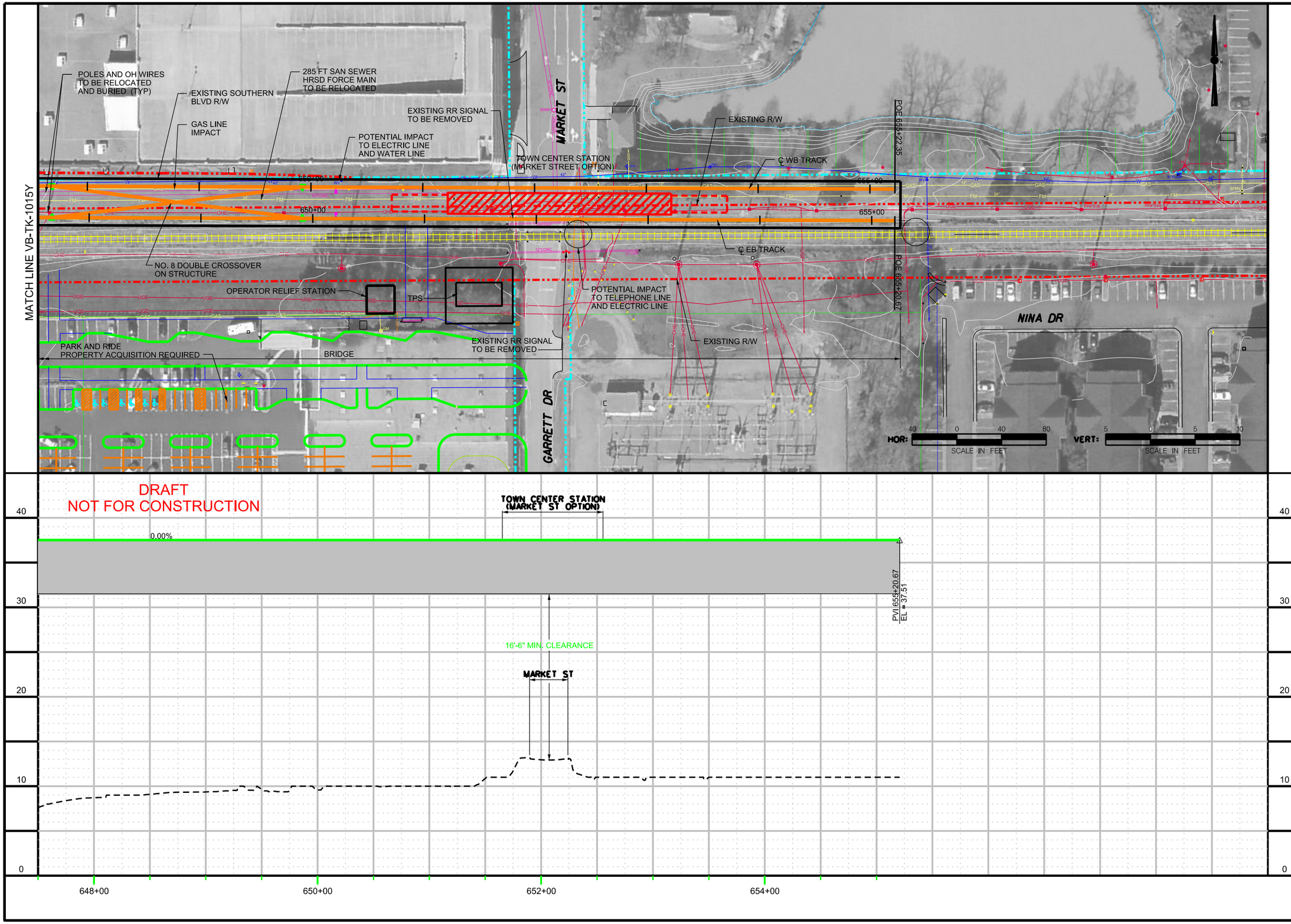
NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY



CONTRACT NO.

DRAWING NO. VB-TK-1016Y

OF

TRACK PLAN / PROFILE
TOWN CENTER ALT.
MARKET ST. OPTION

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

DESIGN SAB DATE
DRWN SAB DATE
CKCK KVL DATE
APPR DATE

PLANS PREPARED BY: HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT
EXTENSION STUDY

$TIME$
$DATE$
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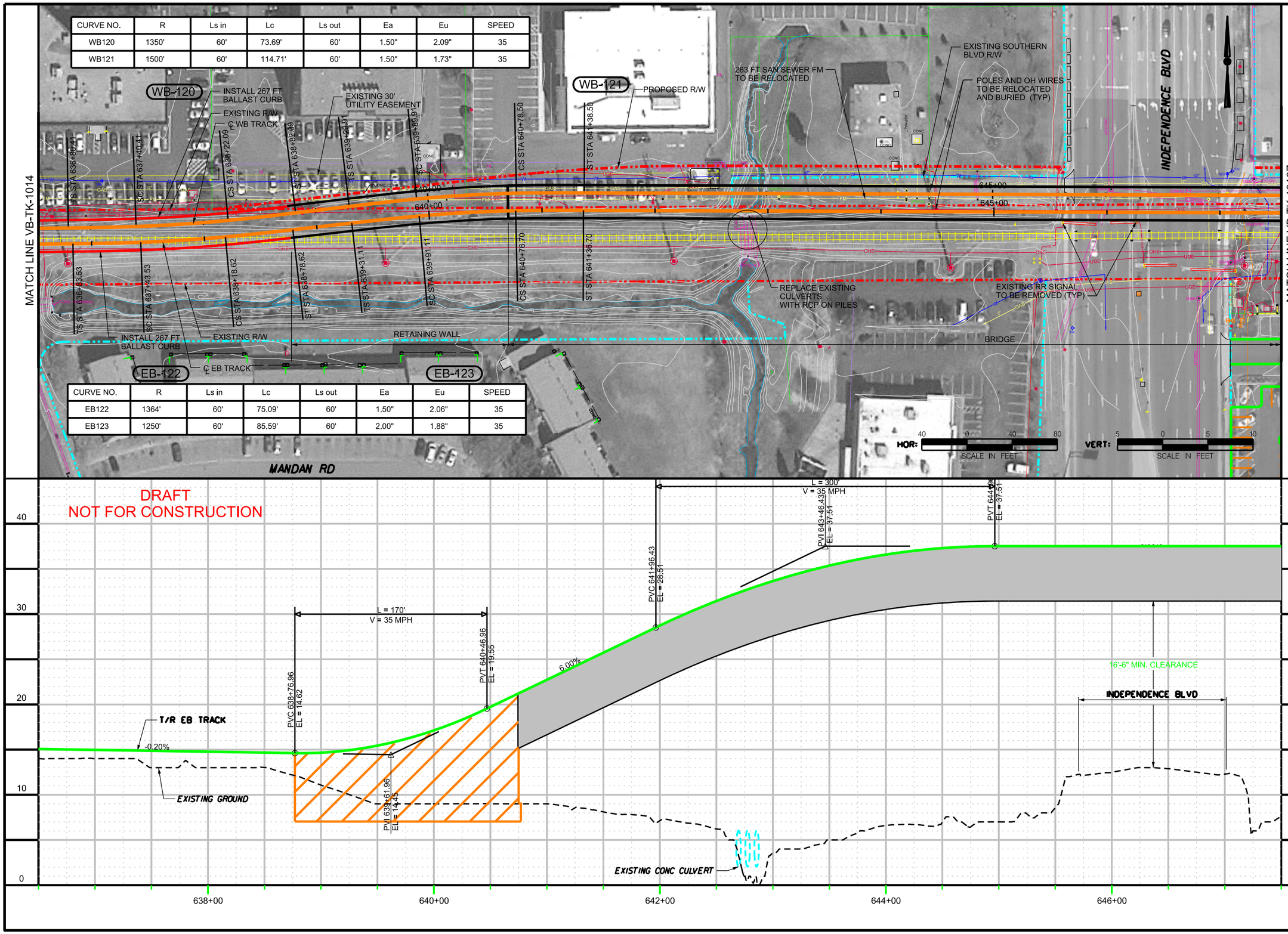

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB120	1350'	60'	73.69'	60'	1.50"	2.09"	35
WB121	1500'	60'	114.71'	60'	1.50"	1.73"	35

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB122	1364'	60'	75.09'	60'	1.50"	2.06"	35
EB123	1250'	60'	85.59'	60'	2.00"	1.88"	35

CONTRACT NO.

DRAWING NO. VB-TK-1015Z

OF

TRACK PLAN / PROFILE
TOWN CENTER ALT.
CONSTITUTION OPTION

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

DESIGN SAB DATE
DRWN SAB DATE
CKCK KVL DATE
APPR DATE

PLANS PREPARED BY: HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT
EXTENSION STUDY

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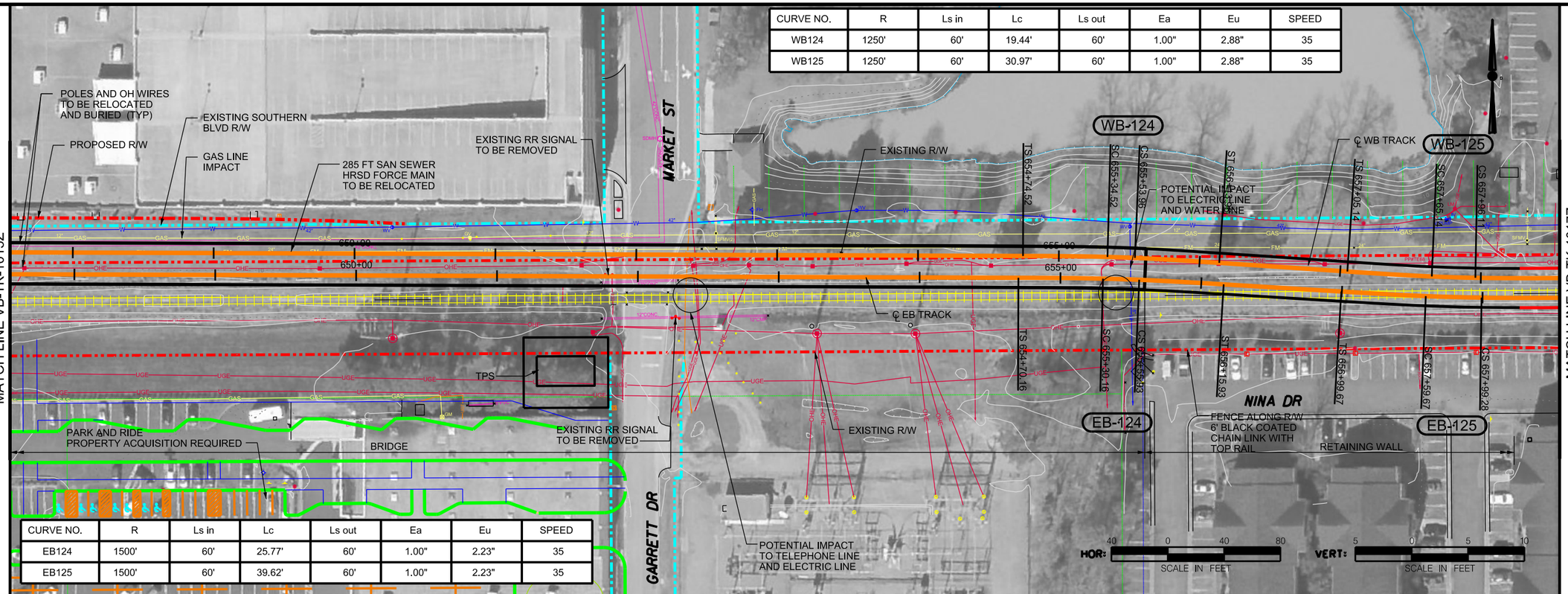
$DATE$
$FILE$

$TIME$

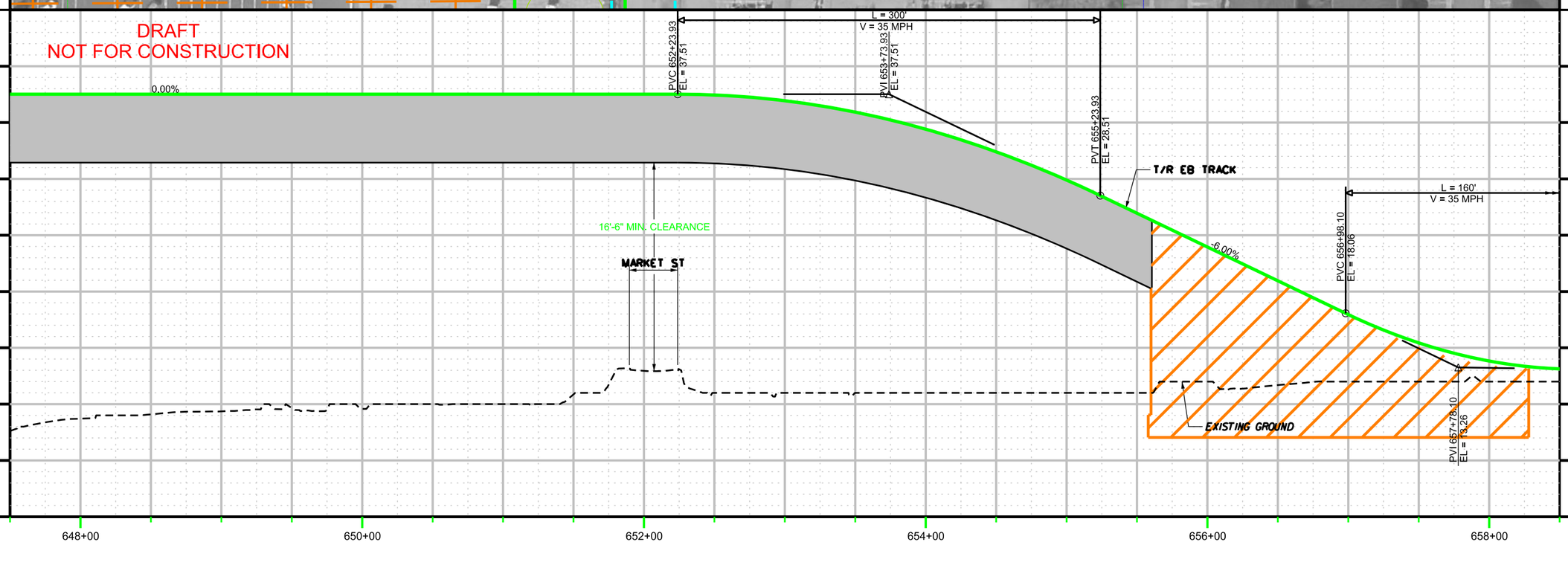
$DATE$

$FILE$

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB124	1250'	60'	19.44'	60'	1.00"	2.88"	35
WB125	1250'	60'	30.97'	60'	1.00"	2.88"	35



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB124	1500'	60'	25.77'	60'	1.00"	2.23"	35
EB125	1500'	60'	39.62'	60'	1.00"	2.23"	35



CONTRACT NO.

DRAWING NO. VB-TK-1016Z

OF

TRACK PLAN / PROFILE
TOWN CENTER ALT.
CONSTITUTION OPTION

DRAFT

DESIGN	DRAWN	CHCK	APPR	DATE
SAB	SAB	KVL		

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

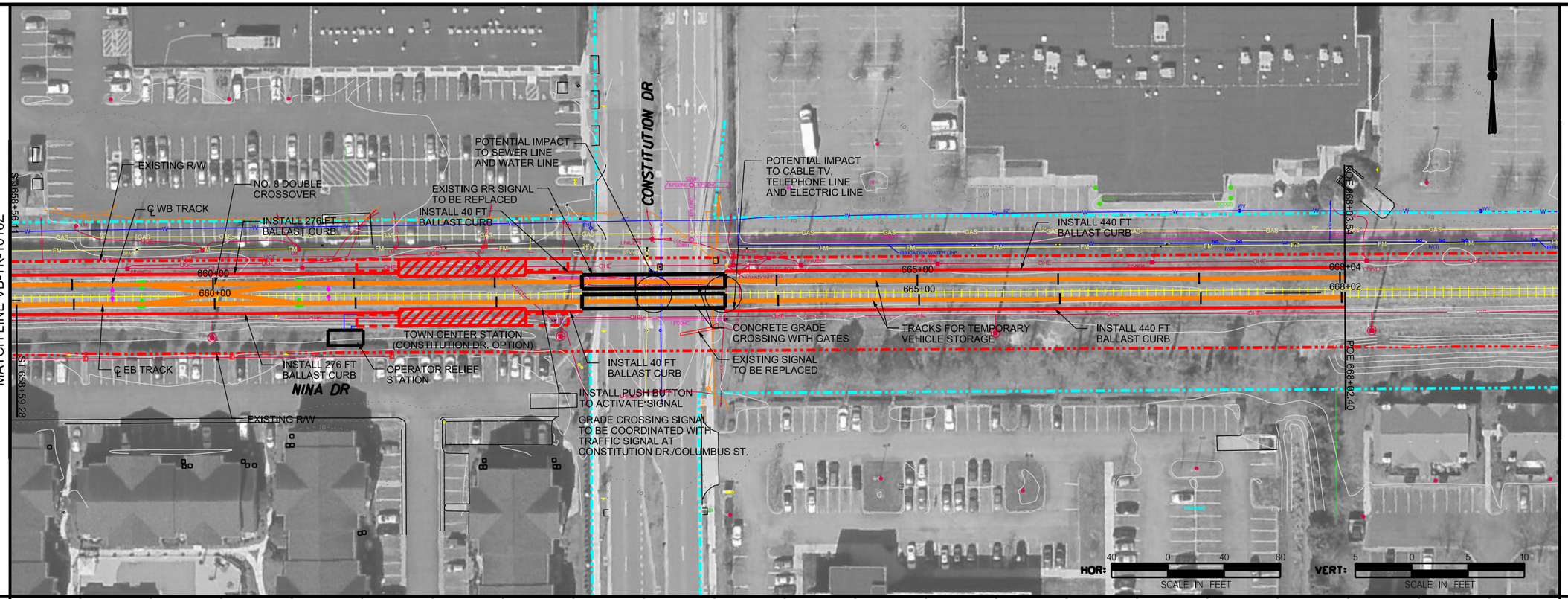
HDR

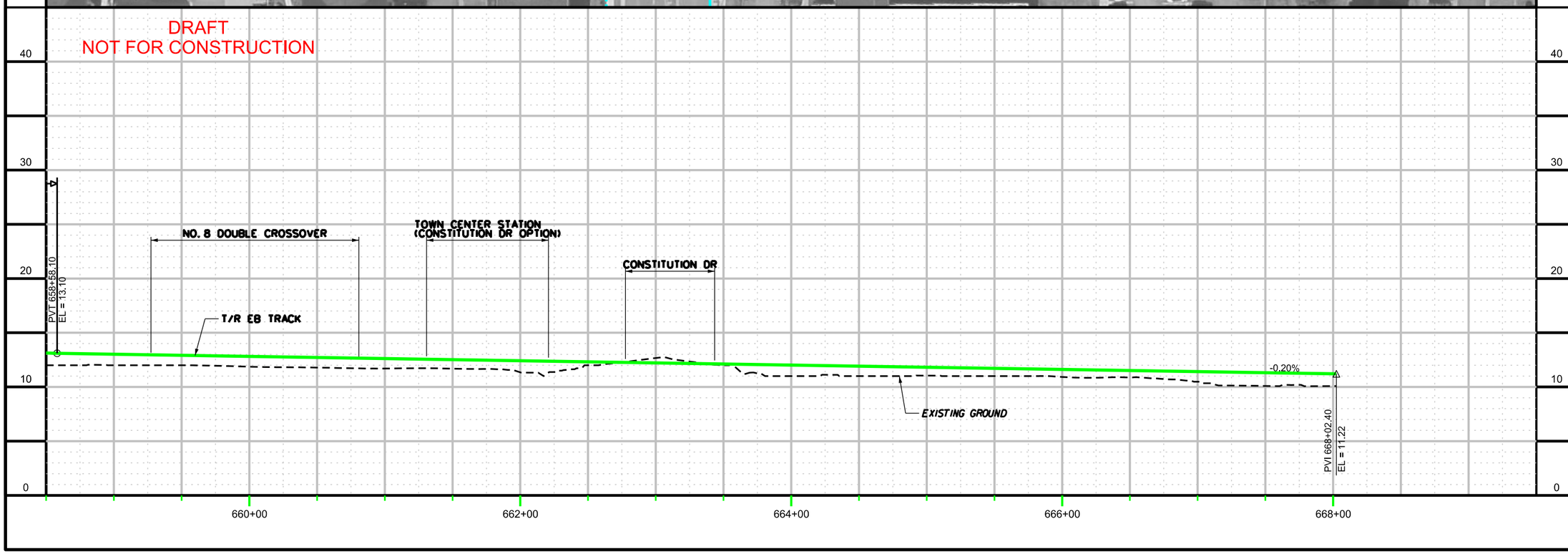
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

$TIME$

$DATE$





CONTRACT NO.

DRAWING NO. VB-TK-1017Z

OF

TRACK PLAN / PROFILE
TOWN CENTER ALT.
CONSTITUTION OPTION

DRAFT

APPR	DATE
CKCK KVL	DATE
DRWN SAB	DATE
DESIGN SAB	DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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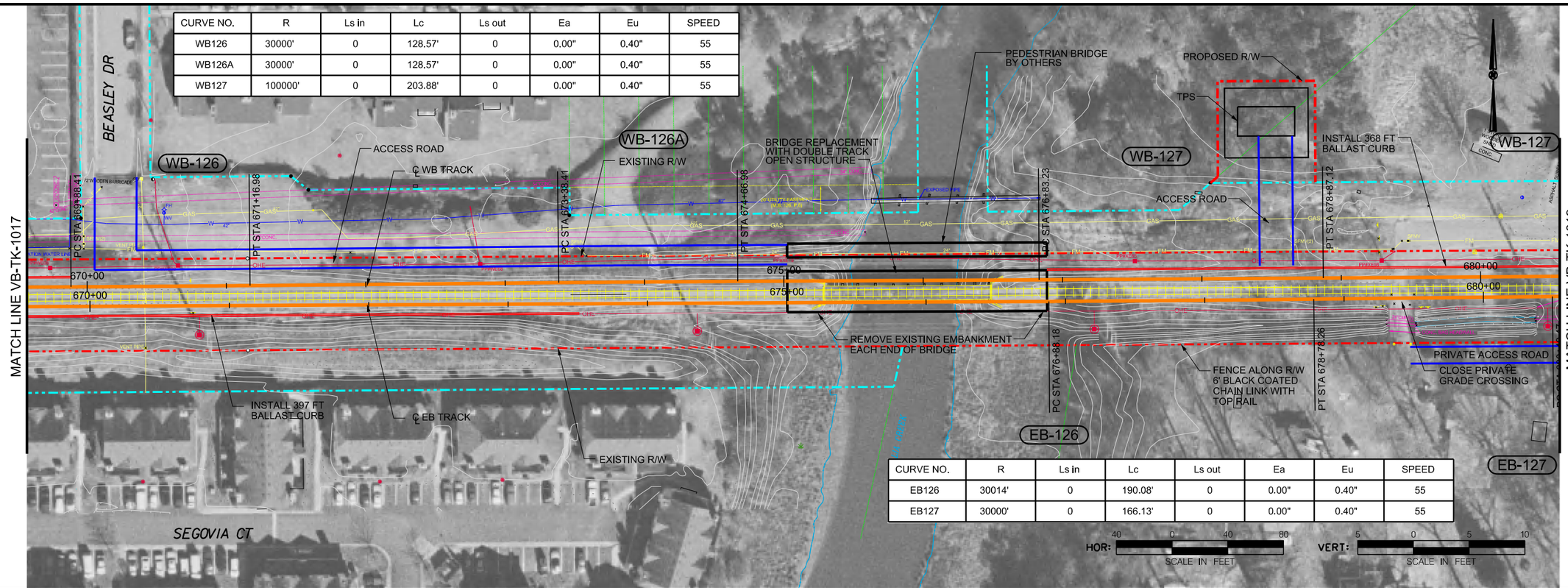
8/29/2013

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB126	30000'	0	128.57'	0	0.00"	0.40"	55
WB126A	30000'	0	128.57'	0	0.00"	0.40"	55
WB127	100000'	0	203.88'	0	0.00"	0.40"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB126	30014'	0	190.08'	0	0.00"	0.40"	55
EB127	30000'	0	166.13'	0	0.00"	0.40"	55

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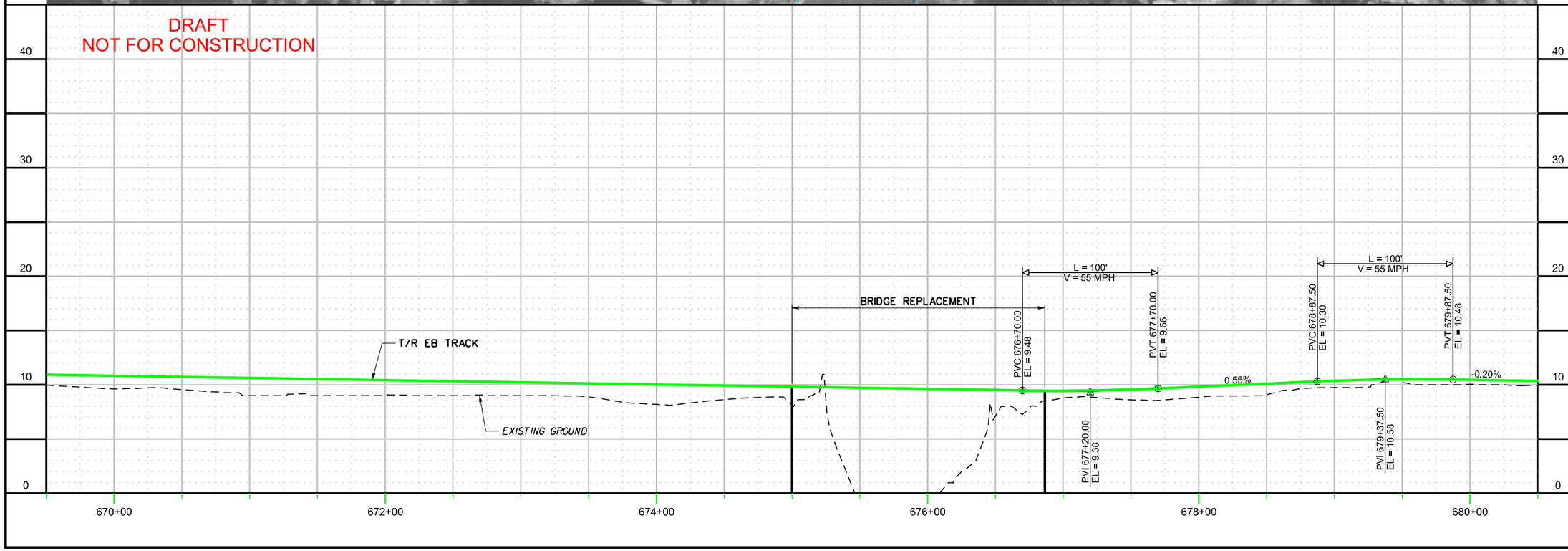
NOT FOR CONSTRUCTION



CONTRACT NO.

DRAWING NO. VB-TK-1018

OF

TRACK PLAN / PROFILE
SHEET 18 OF 52

DRAFT

APPR.	DATE
SAB DESIGN	DATE
SAB DRWN	DATE
KVL CKCK	DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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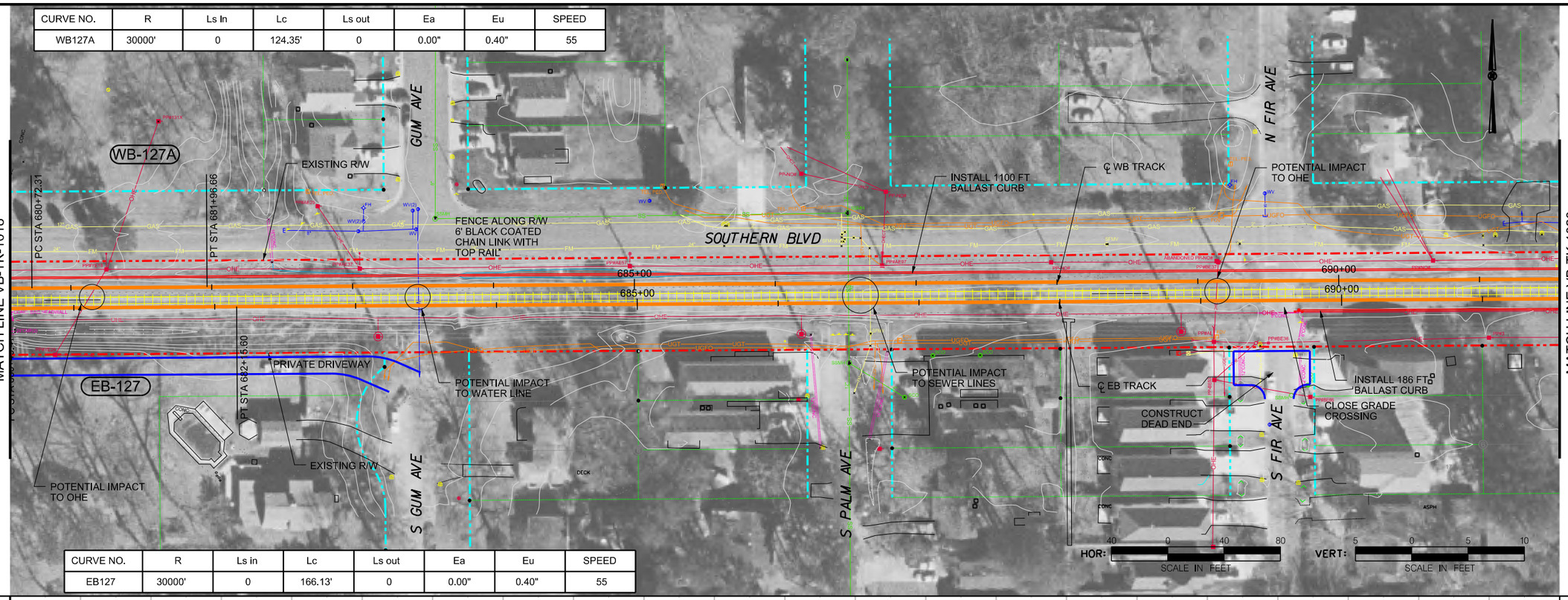
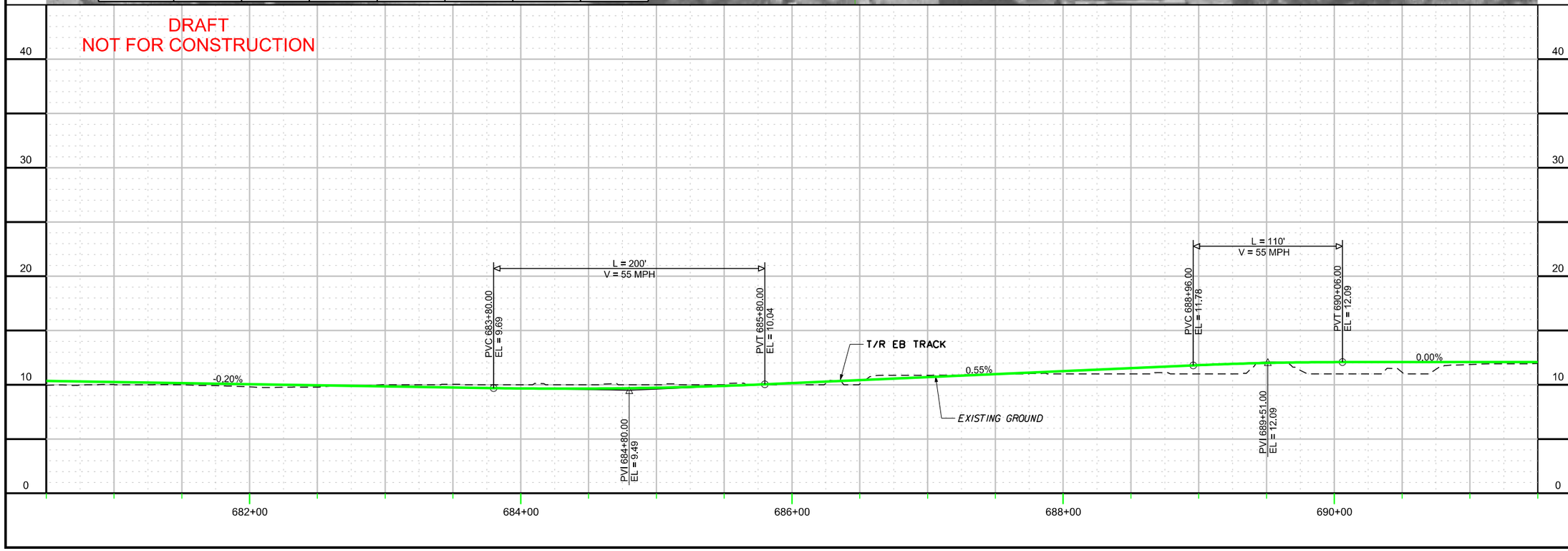
8/29/2013

CURVE NO.	R	Ls In	Lc	Ls out	Ea	Eu	SPEED
WB127A	30000'	0	124.35'	0	0.00"	0.40"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB127	30000'	0	166.13'	0	0.00"	0.40"	55

DRAFT
NOT FOR CONSTRUCTION



CONTRACT NO.

DRAWING NO. VB-TK-1019

OF

TRACK PLAN / PROFILE
SHEET 19 OF 52

DRAFT

APPR.	DATE	CHCK.	DATE	DRWN.	DATE	DESIGN	DATE
		KVL		SAB		SAB	

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT
EXTENSION STUDY

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8/29/2013

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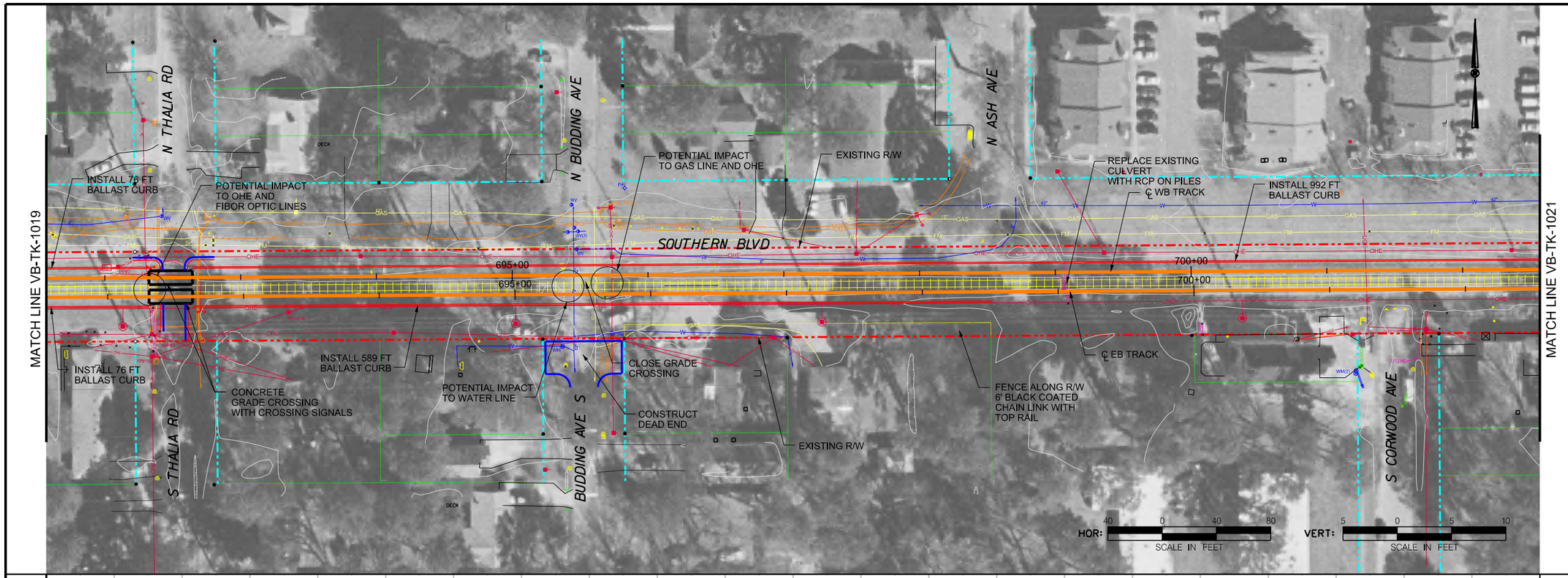

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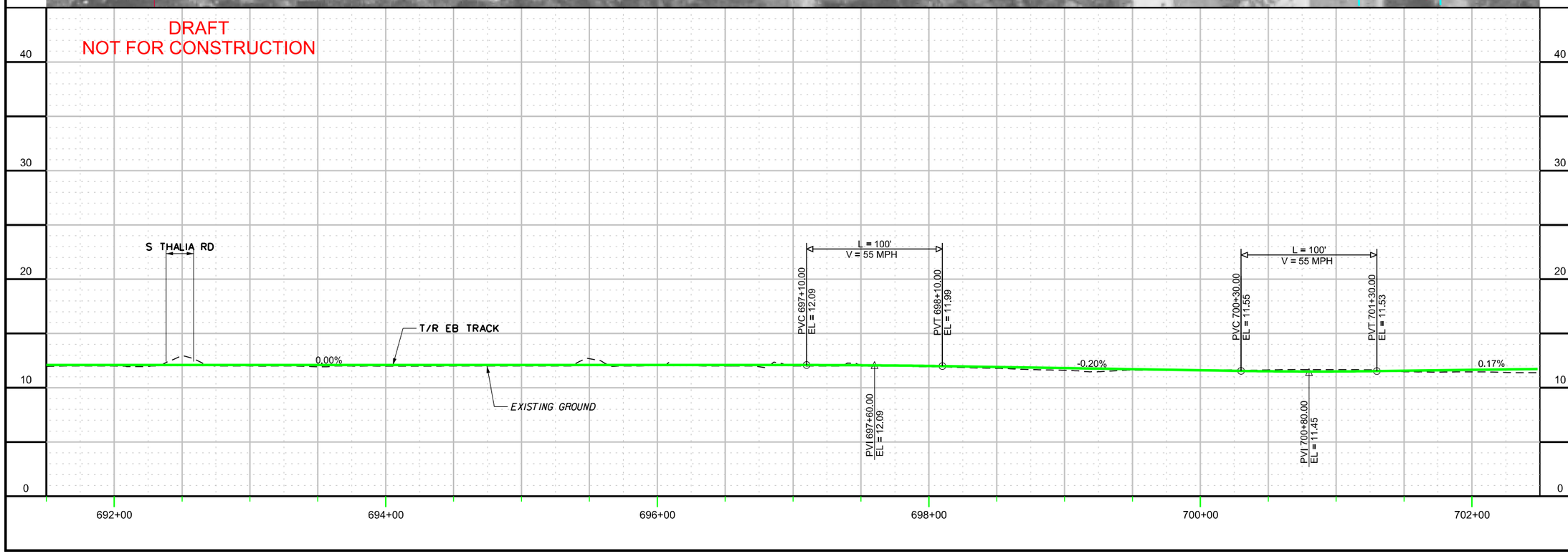

CONTRACT NO.	DRAWING NO.	OF
	VB-TK-1020	

TRACK PLAN / PROFILE
SHEET 20 OF 52

DRAFT

	DATE	DATE	DATE	DATE
	SAB	SAB	KVL	
	DESIGN	DRWN	CKCK	APPR

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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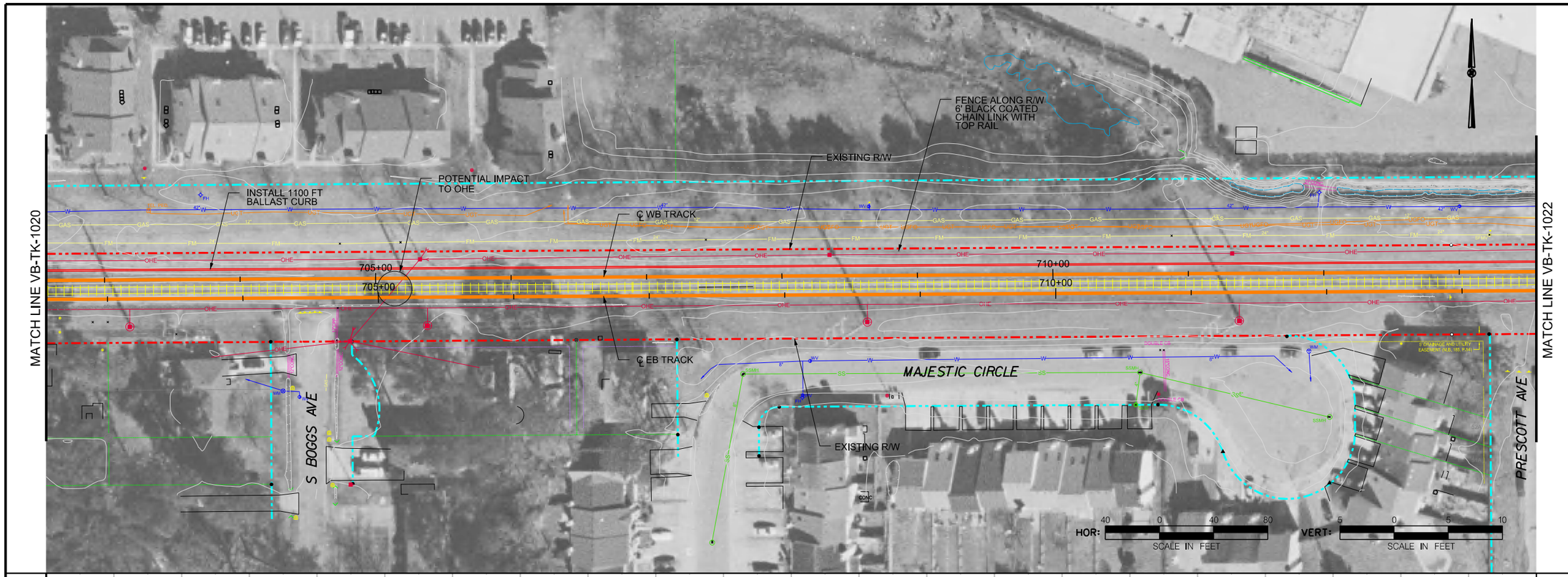
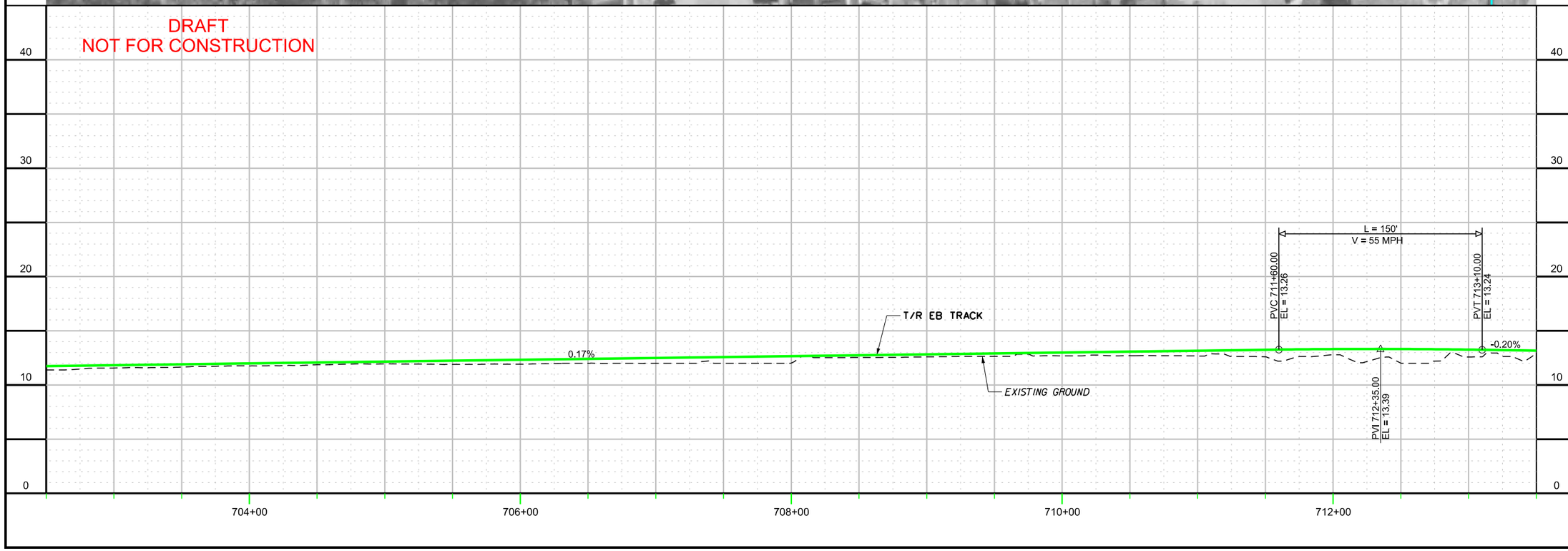
8/29/2013





CONTRACT NO.

DRAWING NO. VB-TK-1021

OF

TRACK PLAN / PROFILE
SHEET 21 OF 52

DRAFT

DESIGN	SAB	DATE	
DRWN	SAB	DATE	
CKCK	KVL	DATE	
APPR		DATE	

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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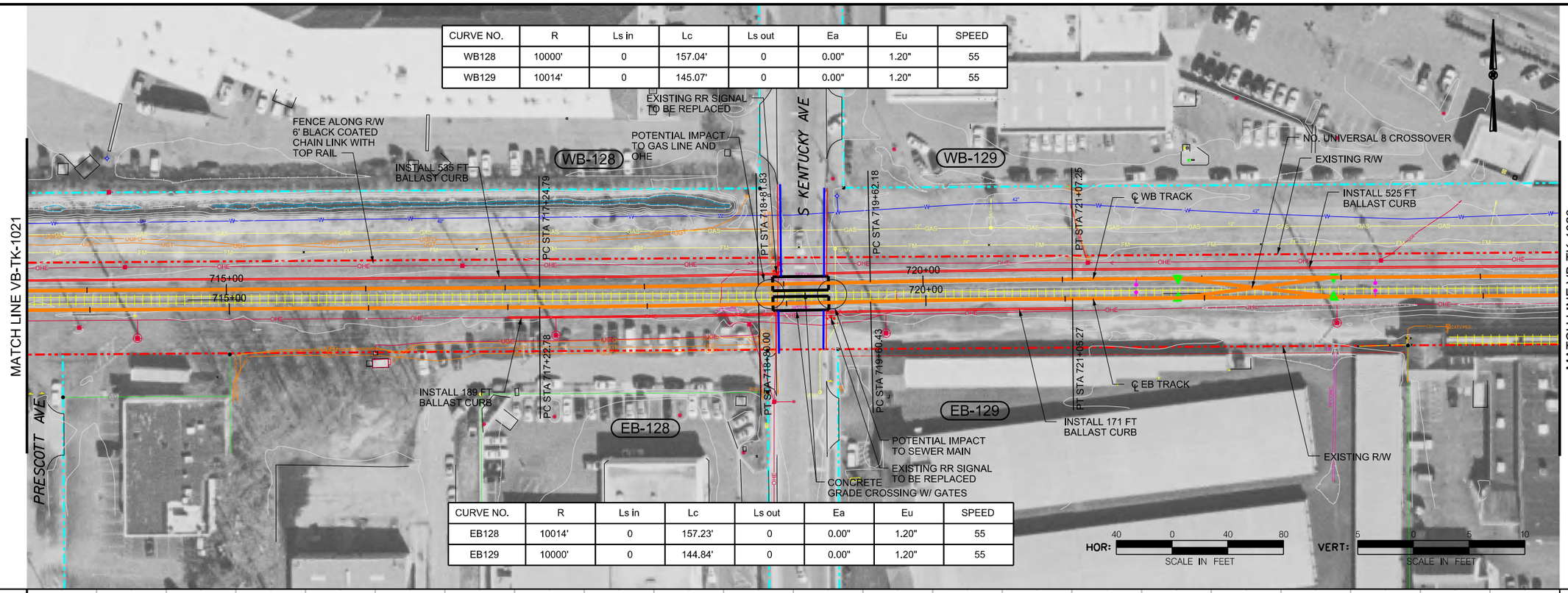
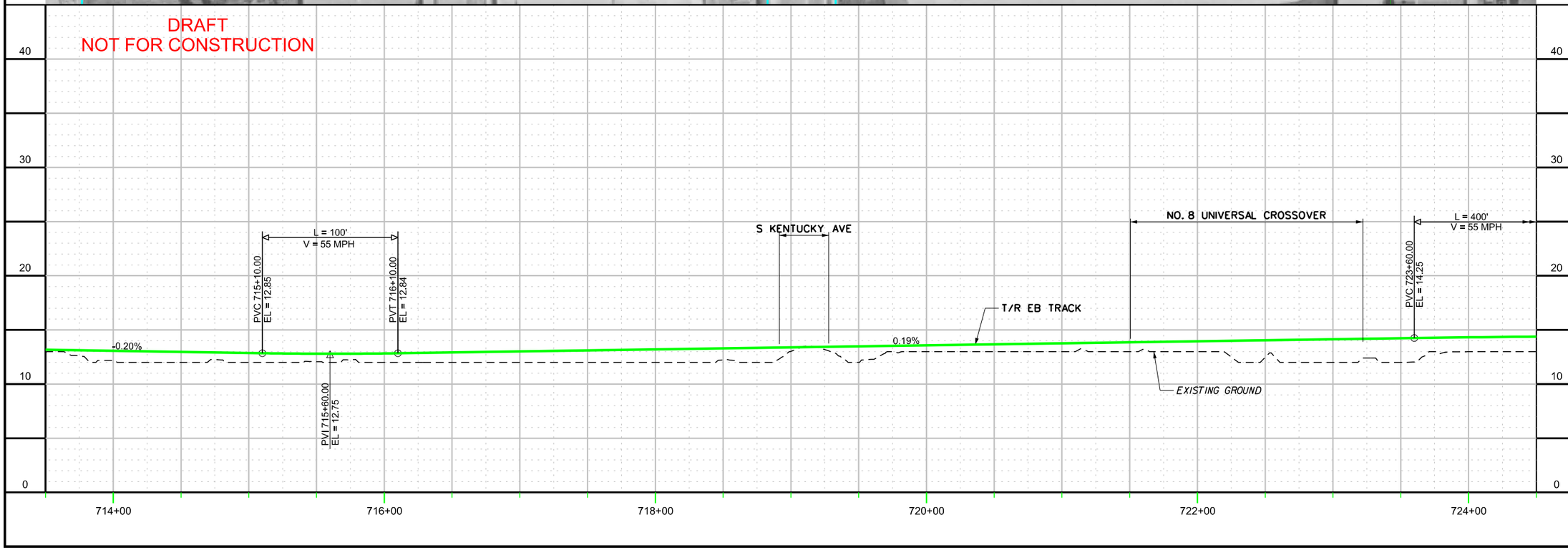
8/29/2013

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB128	10000'	0	157.04'	0	0.00"	1.20"	55
WB129	10014'	0	145.07'	0	0.00"	1.20"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB128	10014'	0	157.23'	0	0.00"	1.20"	55
EB129	10000'	0	144.84'	0	0.00"	1.20"	55



CONTRACT NO.

DRAWING NO. VB-TK-1022

OF

TRACK PLAN / PROFILE
SHEET 22 OF 52

DRAFT

DESIGN SAB	DRAWN SAB	CHCK KVL	APPR
DATE	DATE	DATE	DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY: HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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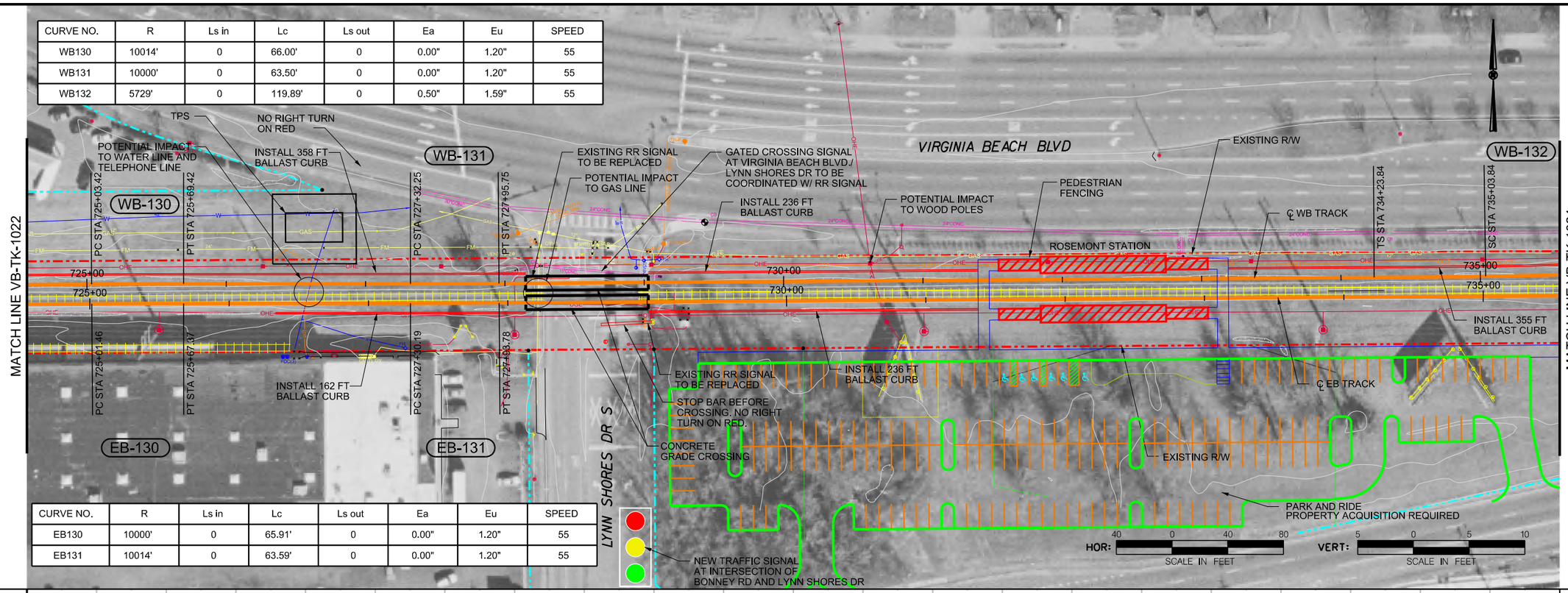
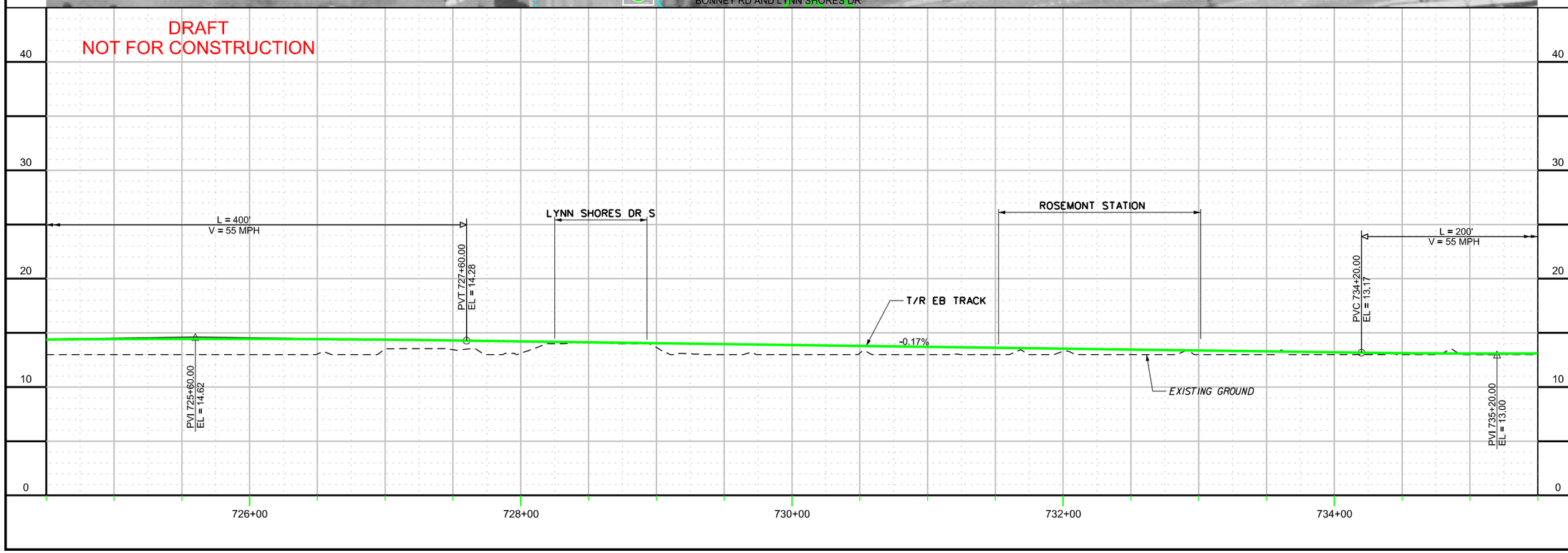
CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB130	10014'	0	66.00'	0	0.00"	1.20"	55
WB131	10000'	0	63.50'	0	0.00"	1.20"	55
WB132	5729'	0	119.89'	0	0.50"	1.59"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB130	10000'	0	65.91'	0	0.00"	1.20"	55
EB131	10014'	0	63.59'	0	0.00"	1.20"	55



CONTRACT NO.

DRAWING NO. VB-TK-1023

OF

TRACK PLAN / PROFILE
SHEET 23 OF 52

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

APPR. CKCK KVL DATE
DRWN SAB DATE
DESIGN SAB DATE

PLANS PREPARED BY: HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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8/29/2013

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8/29/2013

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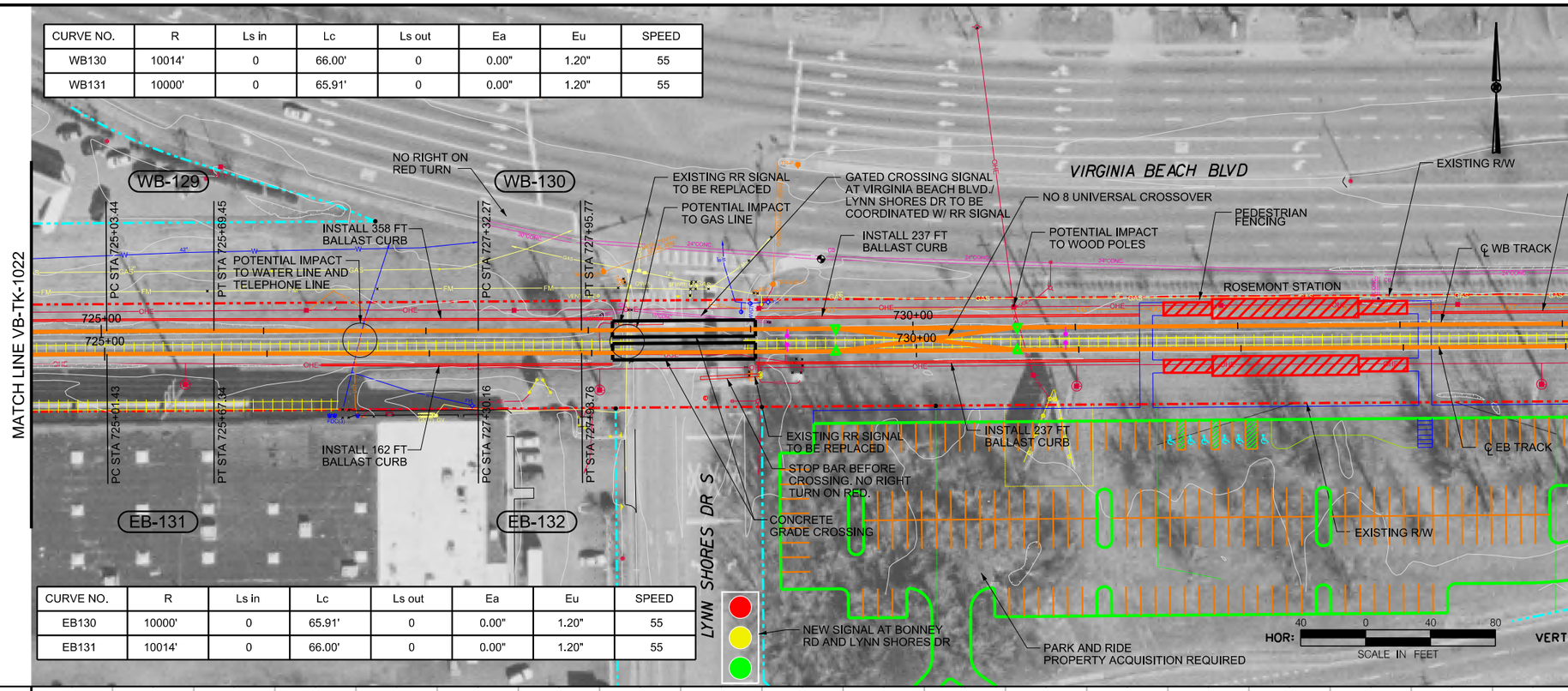
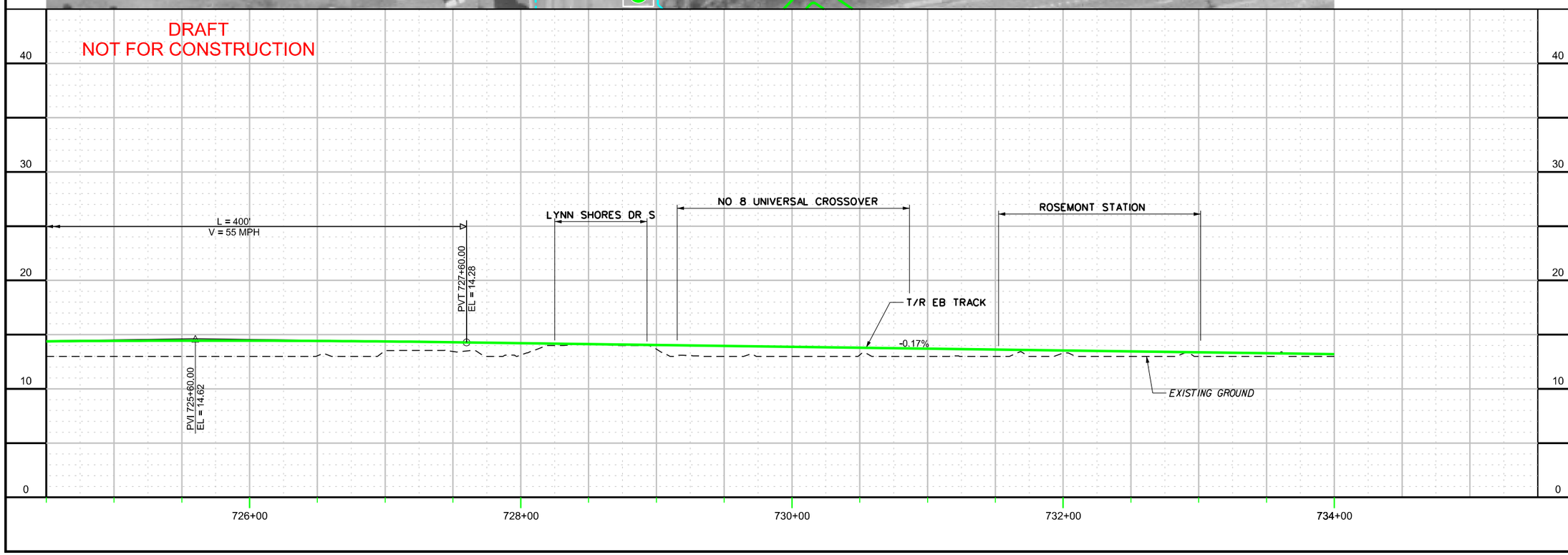
CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB130	10014'	0	66.00'	0	0.00"	1.20"	55
WB131	10000'	0	65.91'	0	0.00"	1.20"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB130	10000'	0	65.91'	0	0.00"	1.20"	55
EB131	10014'	0	66.00'	0	0.00"	1.20"	55



CONTRACT NO.

DRAWING NO. VB-TK-1023A

OF

TRACK PLAN / PROFILE
SHEET 23A OF 52

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

APPR	CKCK	DRWN	DESIGN
KVL	SAB	SAB	SAB

DATE

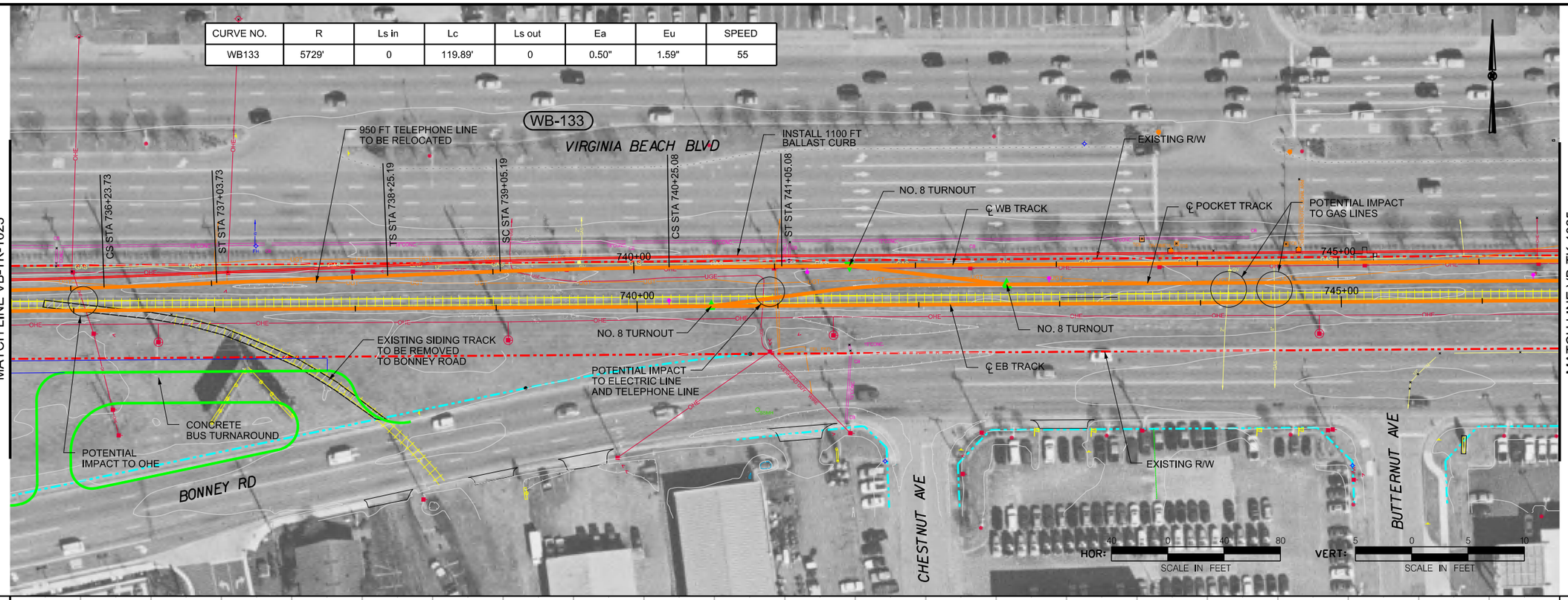
PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB133	5729'	0	119.89'	0	0.50"	1.59"	55



CONTRACT NO.

DRAWING NO. VB-TK-1024

OF

TRACK PLAN / PROFILE
SHEET 24 OF 52

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

APPR	CKCK	DRWN	DESIGN
KVL	SAB	SAB	SAB

DATE DATE DATE DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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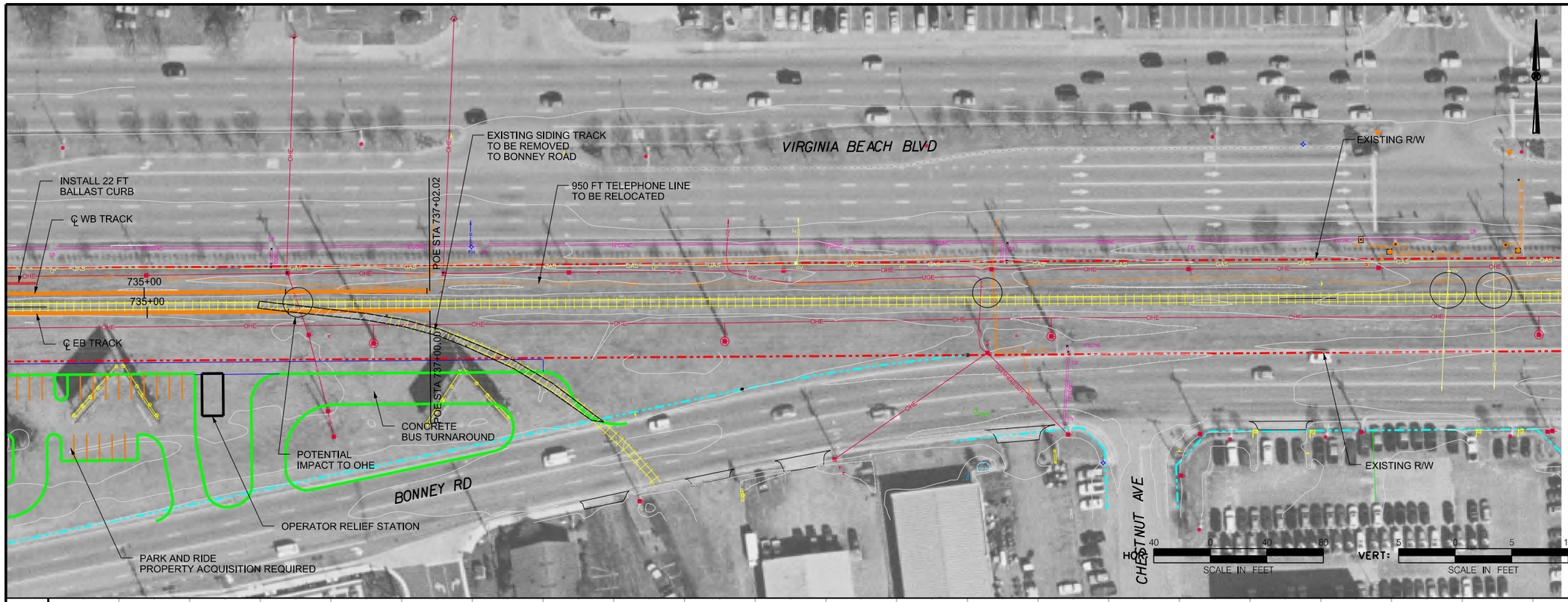
MATCH LINE VB-TK-1023A



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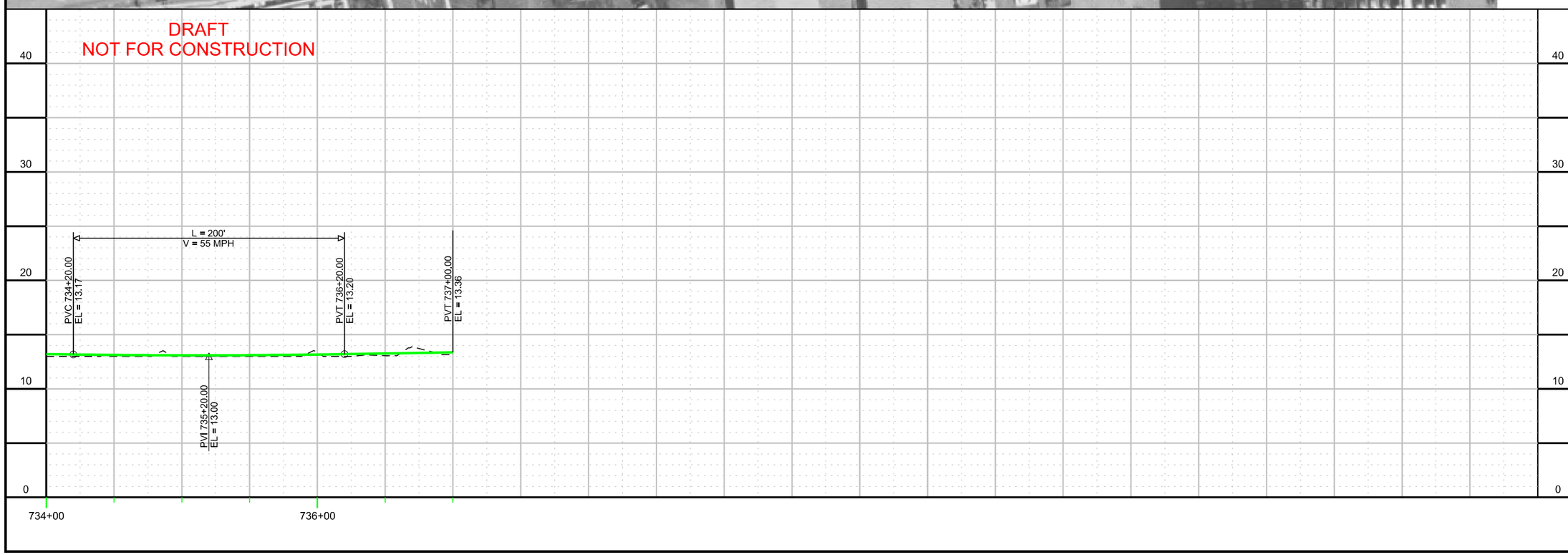
NOT FOR CONSTRUCTION



CONTRACT NO.	
DRAWING NO.	VB-TK-1024A
OF	

TRACK PLAN / PROFILE
SHEET 24A OF 52

DRAFT

DESIGN	SAB	DATE	
DRAWN	SAB	DATE	
CHCK	KVL	DATE	
APPR		DATE	

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:
HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT
EXTENSION STUDY

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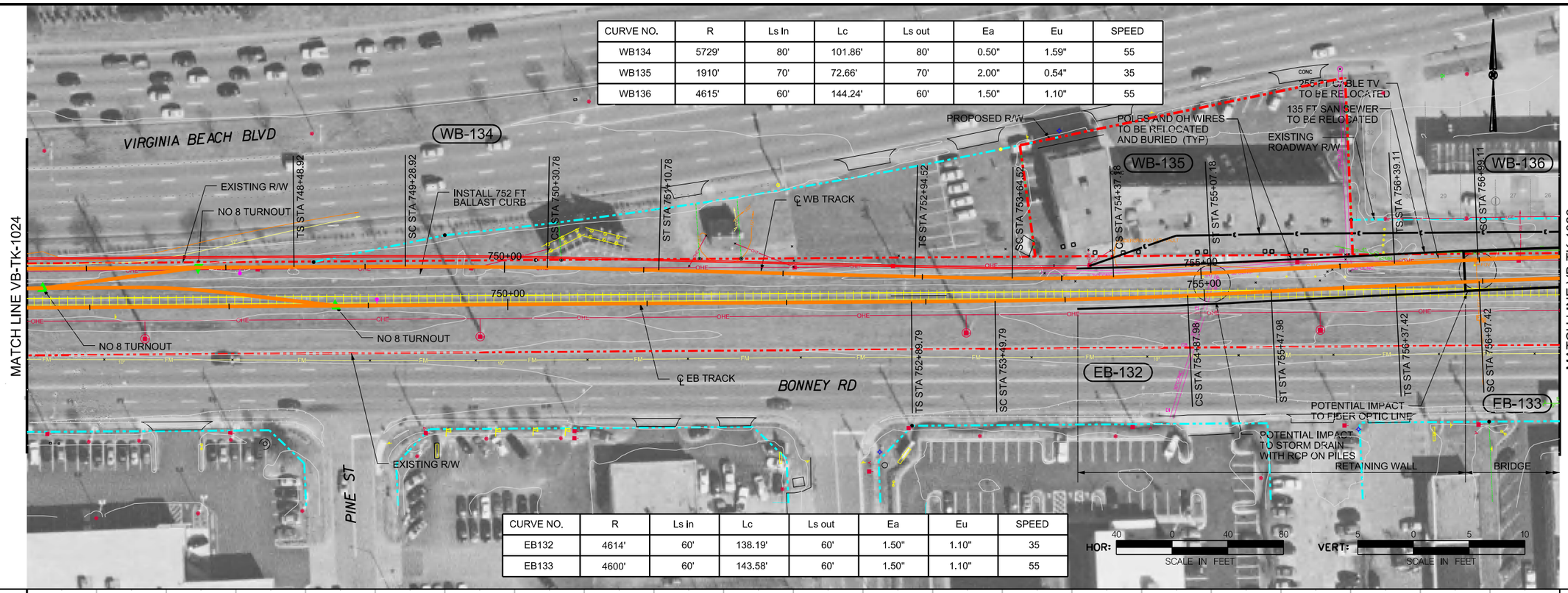
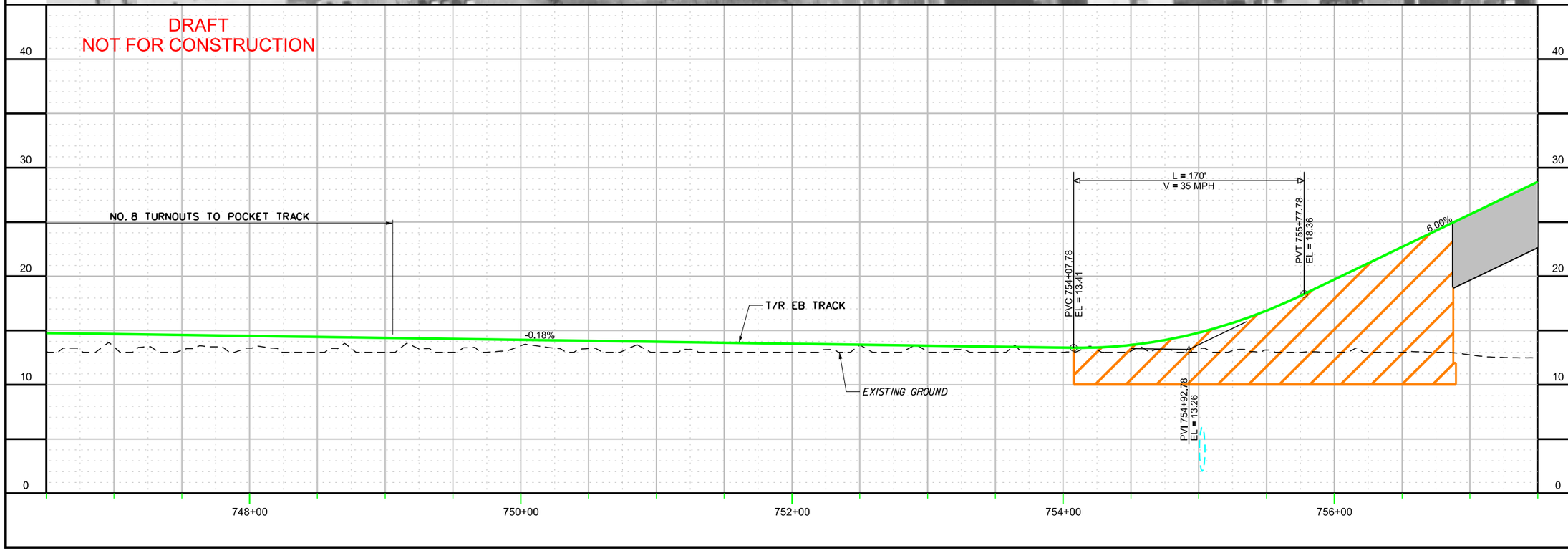
8/29/2013

CURVE NO.	R	Ls In	Lc	Ls out	Ea	Eu	SPEED
WB134	5729'	80'	101.86'	80'	0.50"	1.59"	55
WB135	1910'	70'	72.66'	70'	2.00"	0.54"	35
WB136	4615'	60'	144.24'	60'	1.50"	1.10"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB132	4614'	60'	138.19'	60'	1.50"	1.10"	35
EB133	4600'	60'	143.58'	60'	1.50"	1.10"	55



CONTRACT NO.

DRAWING NO. VB-TK-1025

OF

TRACK PLAN / PROFILE
SHEET 25 OF 52

DRAFT

DESIGN SAB	DRAWN SAB	CHCK KVL	APPR
DATE	DATE	DATE	DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY: HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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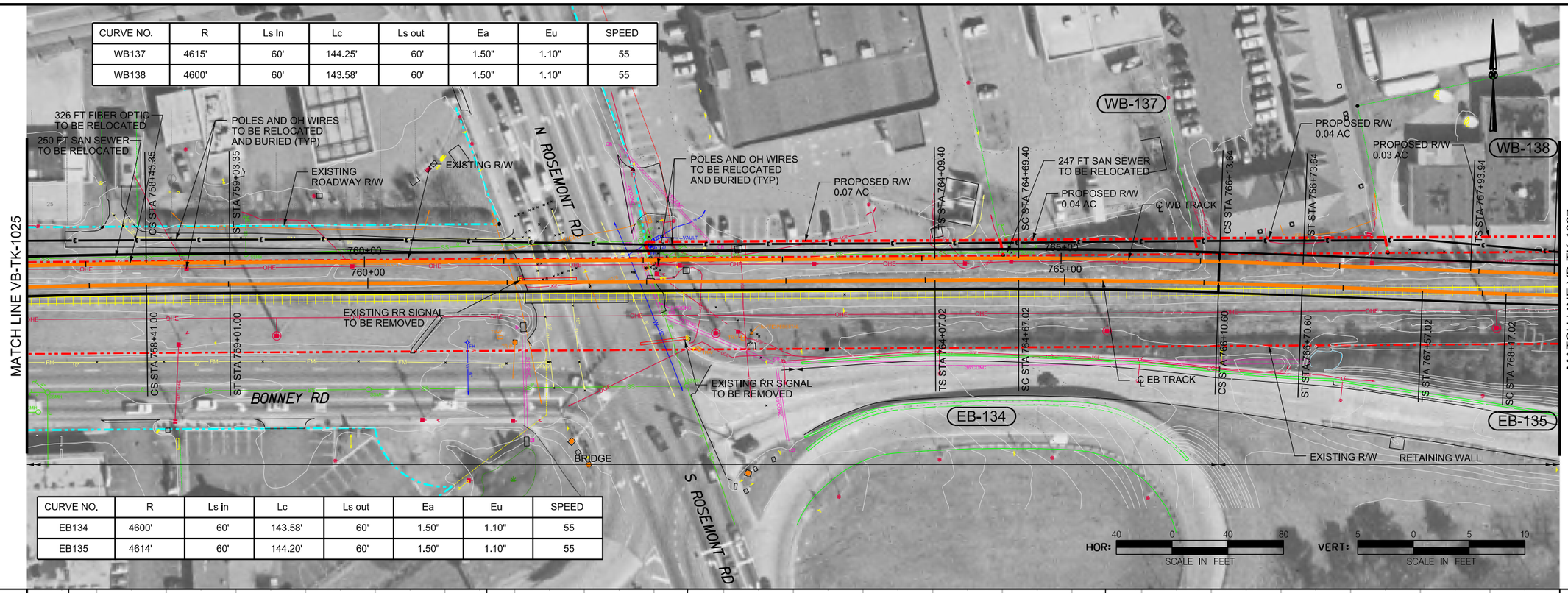
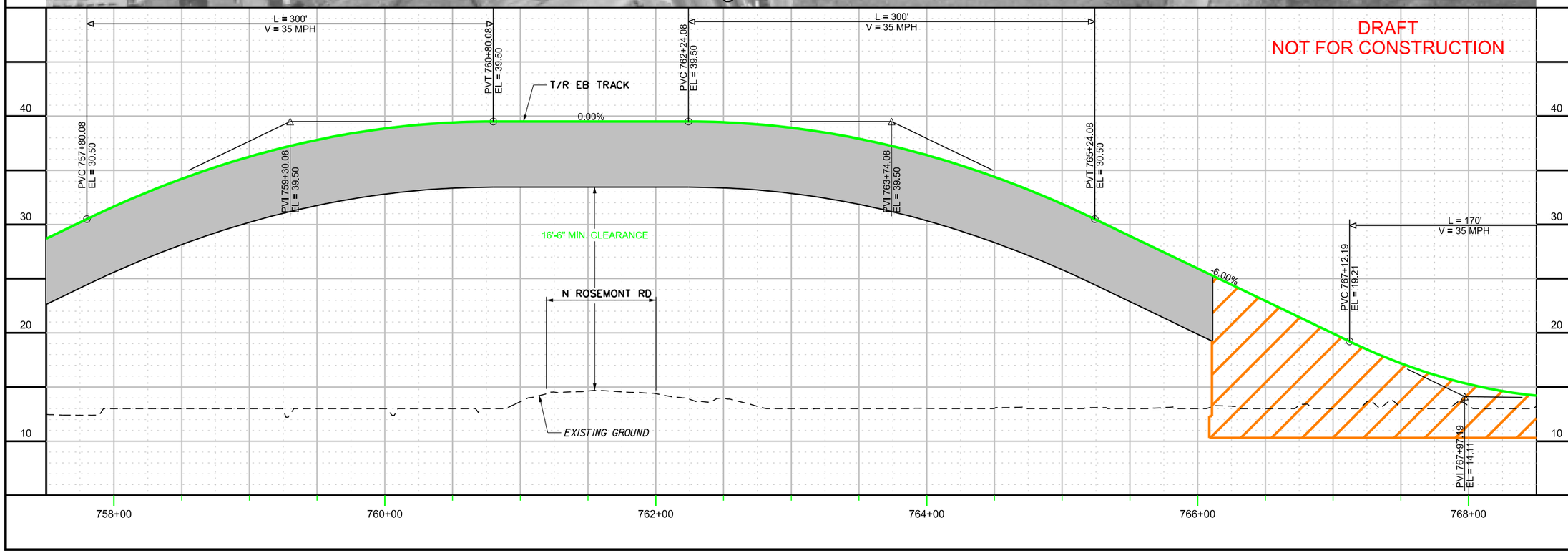
8/29/2013

CURVE NO.	R	Ls In	Lc	Ls out	Ea	Eu	SPEED
WB137	4615'	60'	144.25'	60'	1.50"	1.10"	55
WB138	4600'	60'	143.58'	60'	1.50"	1.10"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB134	4600'	60'	143.58'	60'	1.50"	1.10"	55
EB135	4614'	60'	144.20'	60'	1.50"	1.10"	55



CONTRACT NO.

DRAWING NO. VB-TK-1026

OF

TRACK PLAN / PROFILE
SHEET 26 OF 52

DRAFT

	DATE	DESIGN	SAB
	DATE	DRAWN	SAB
	DATE	CHCK	KVL
	DATE	APPR	

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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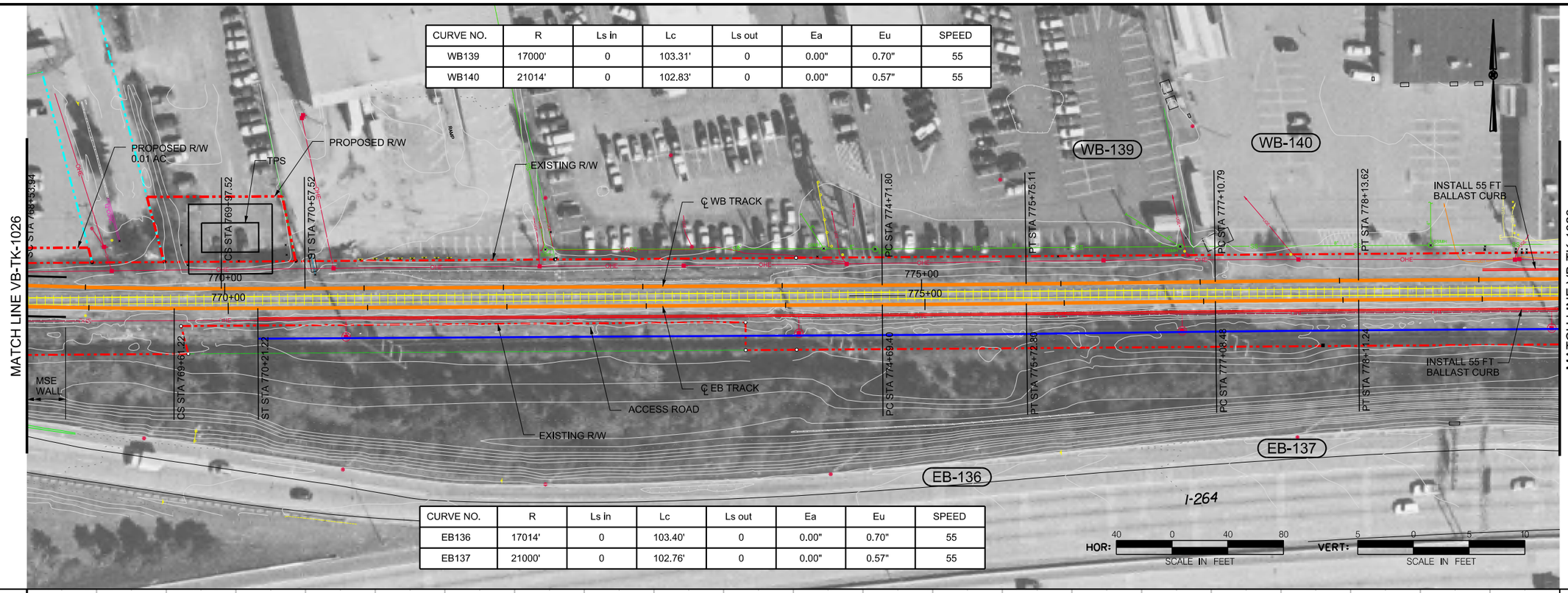
8/29/2013

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB139	17000'	0	103.31'	0	0.00"	0.70"	55
WB140	21014'	0	102.83'	0	0.00"	0.57"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB136	17014'	0	103.40'	0	0.00"	0.70"	55
EB137	21000'	0	102.76'	0	0.00"	0.57"	55

CONTRACT NO.

DRAWING NO. VB-TK-1027

OF

TRACK PLAN / PROFILE
SHEET 27 OF 52

DRAFT

APPR.	DATE	CHCK.	DATE	DRAWN	DATE	DESIGN	DATE
		KVL		SAB		SAB	

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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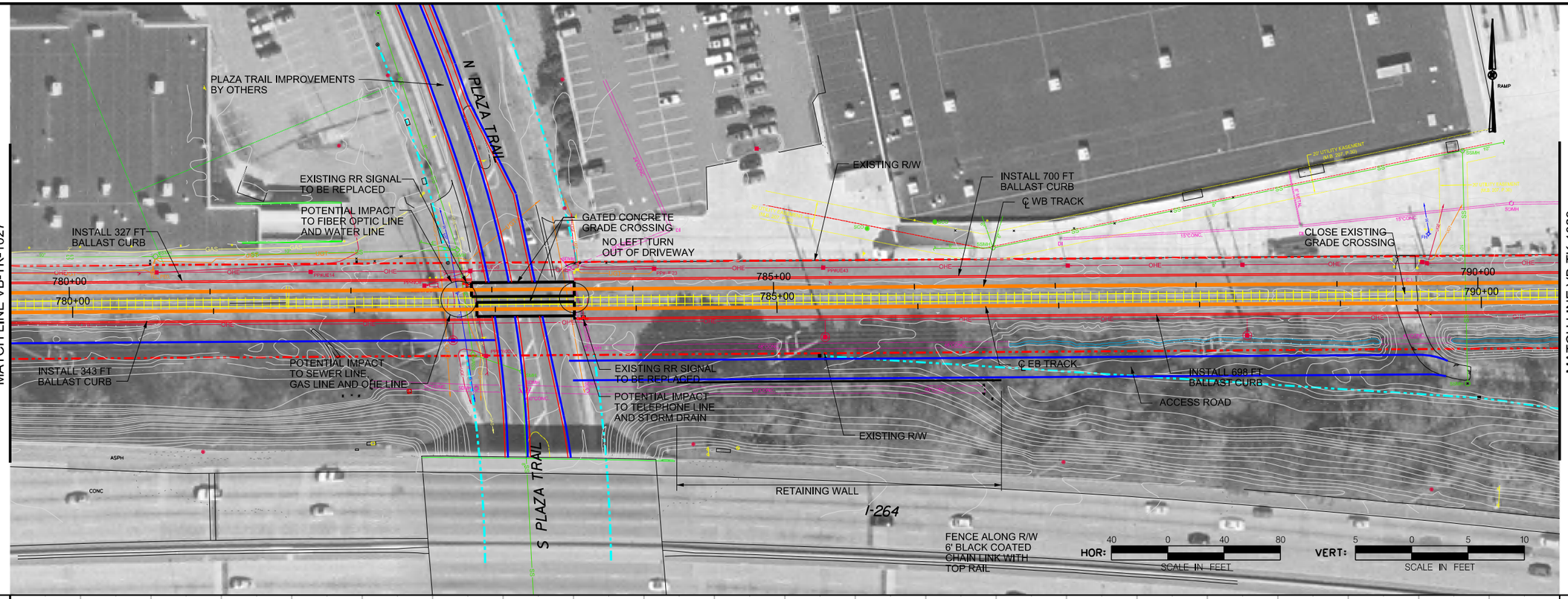

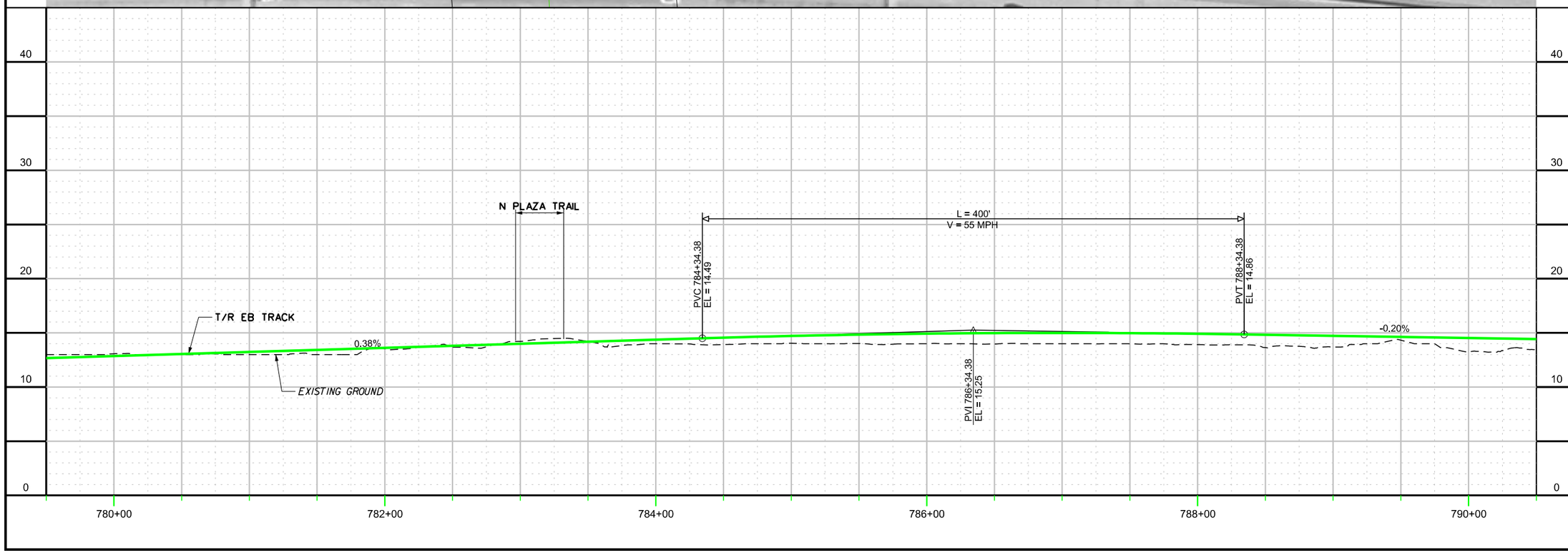

CONTRACT NO.

DRAWING NO. VB-TK-1028

OF

TRACK PLAN / PROFILE
SHEET 28 OF 52

DRAFT

APPR	DATE
CKCK KVL	DATE
DRAWN SAB	DATE
DESIGN SAB	DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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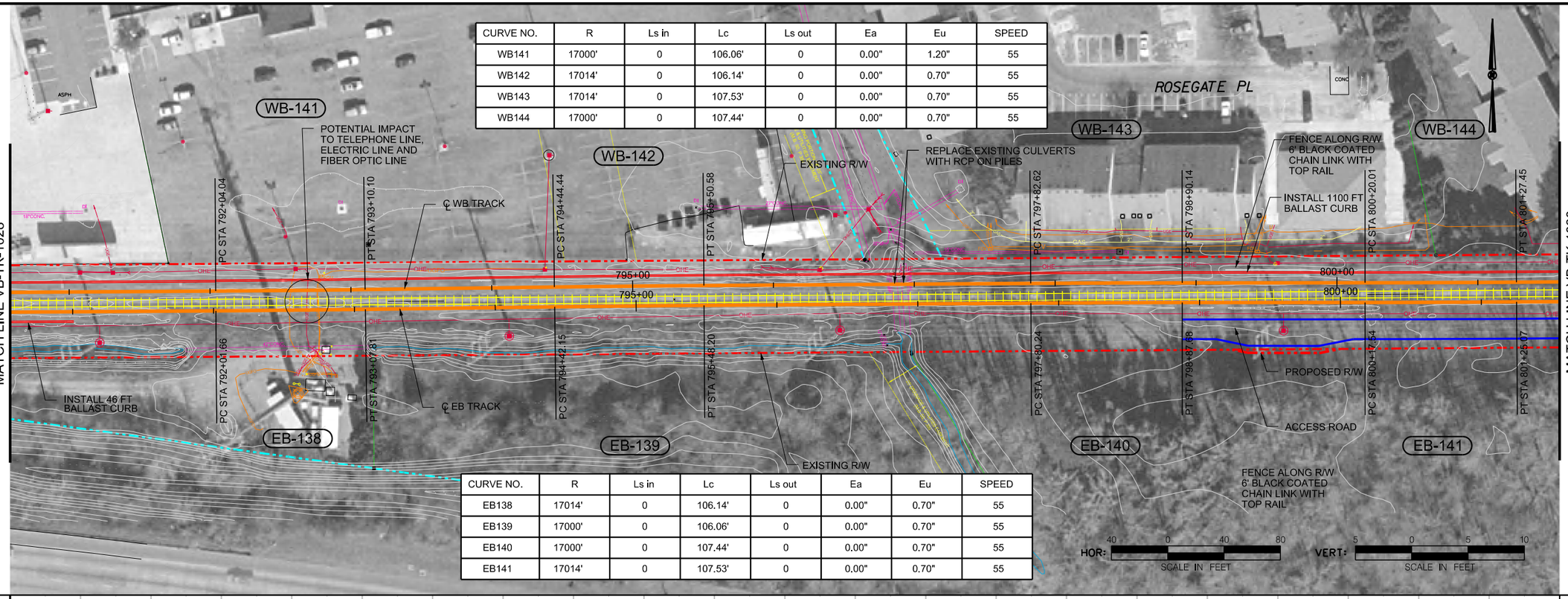
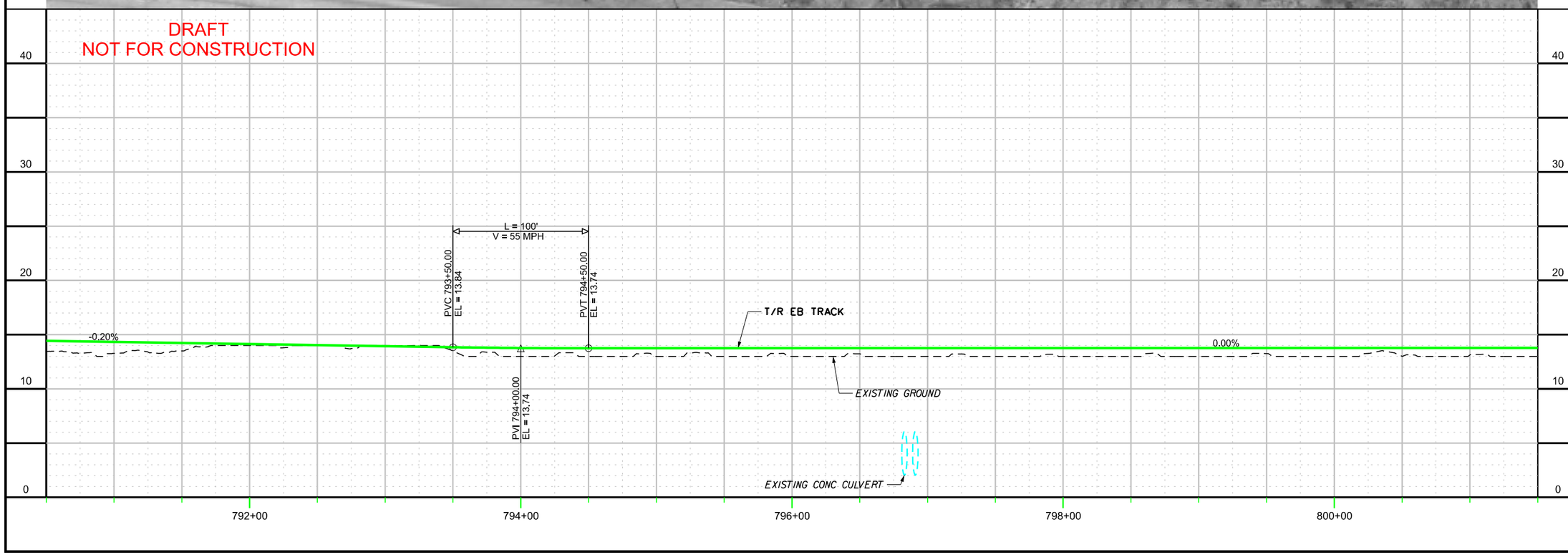


CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB141	17000'	0	106.06'	0	0.00"	1.20"	55
WB142	17014'	0	106.14'	0	0.00"	0.70"	55
WB143	17014'	0	107.53'	0	0.00"	0.70"	55
WB144	17000'	0	107.44'	0	0.00"	0.70"	55

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB138	17014'	0	106.14'	0	0.00"	0.70"	55
EB139	17000'	0	106.06'	0	0.00"	0.70"	55
EB140	17000'	0	107.44'	0	0.00"	0.70"	55
EB141	17014'	0	107.53'	0	0.00"	0.70"	55



CONTRACT NO.

DRAWING NO. VB-TK-1029

OF

TRACK PLAN / PROFILE
SHEET 29 OF 52

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

APPR | CKCK | DRWN | DESIGN
KVL | SAB | SAB | SAB
DATE | DATE | DATE | DATE

PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT
EXTENSION STUDY

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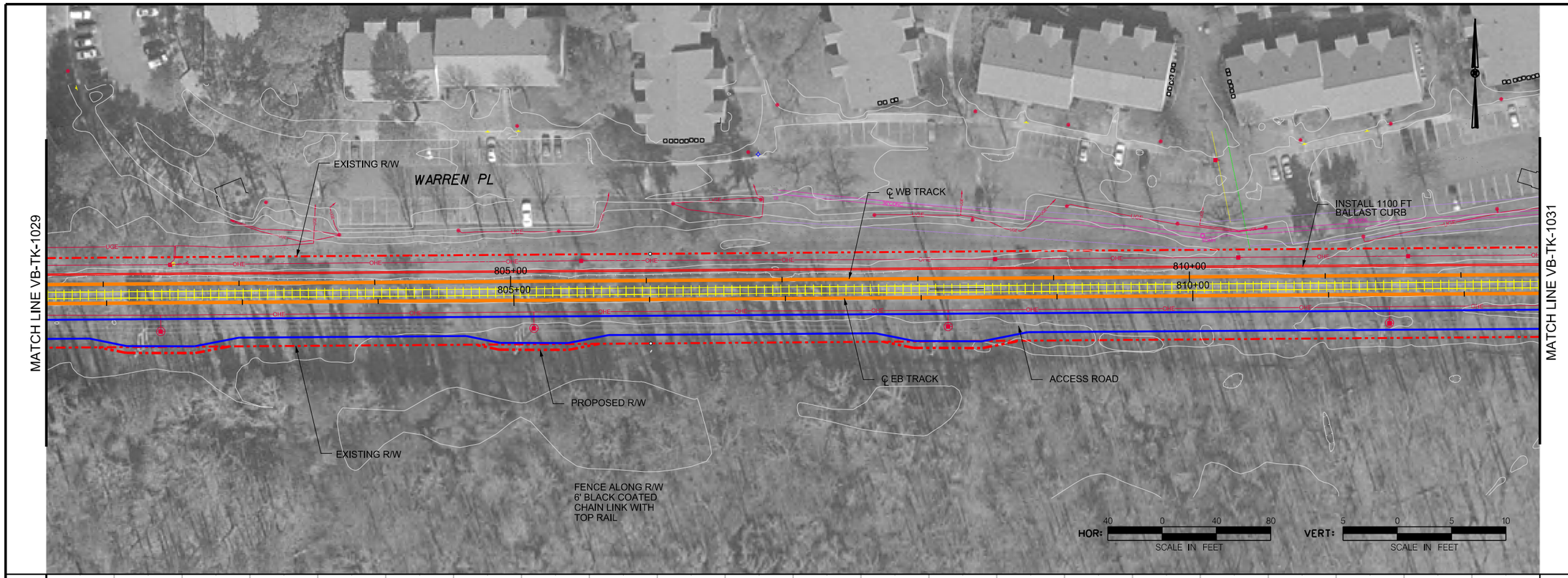

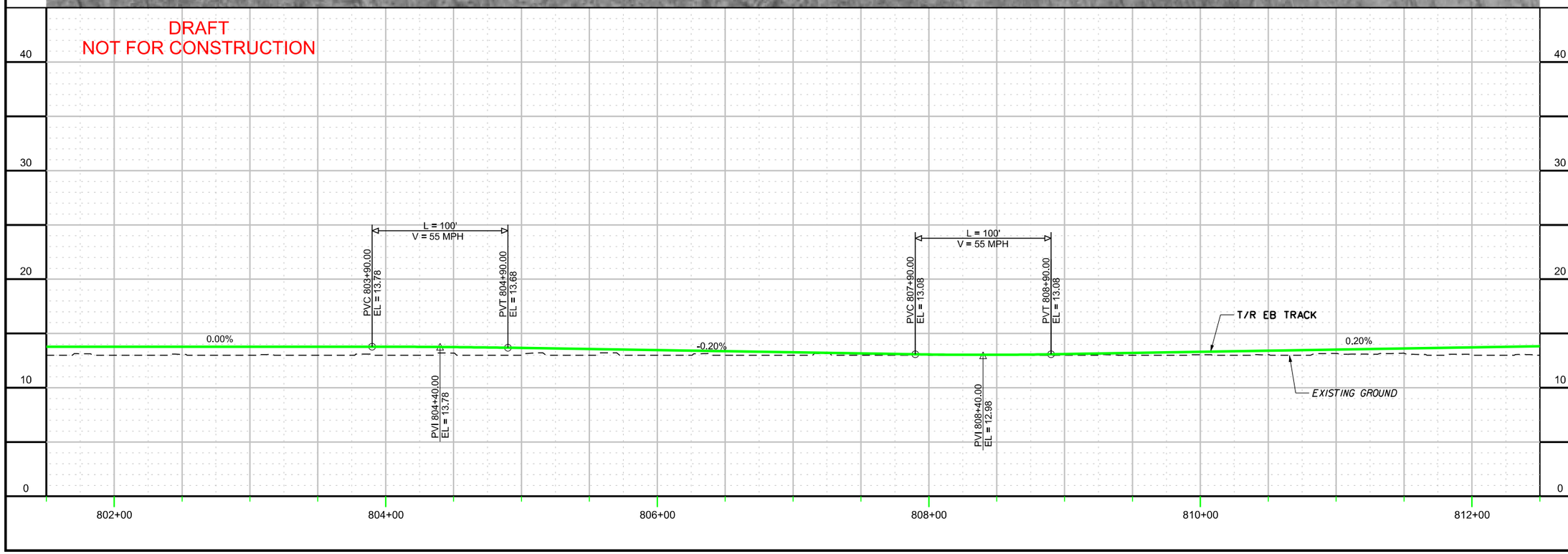

CONTRACT NO.	DRAWING NO.	OF
	VB-TK-1030	

TRACK PLAN / PROFILE
SHEET 30 OF 52

DRAFT

APPR	DATE	DESIGN	DATE
KVL		SAB	
CKCK		DRWN	
KVL		SAB	

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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8/30/2013

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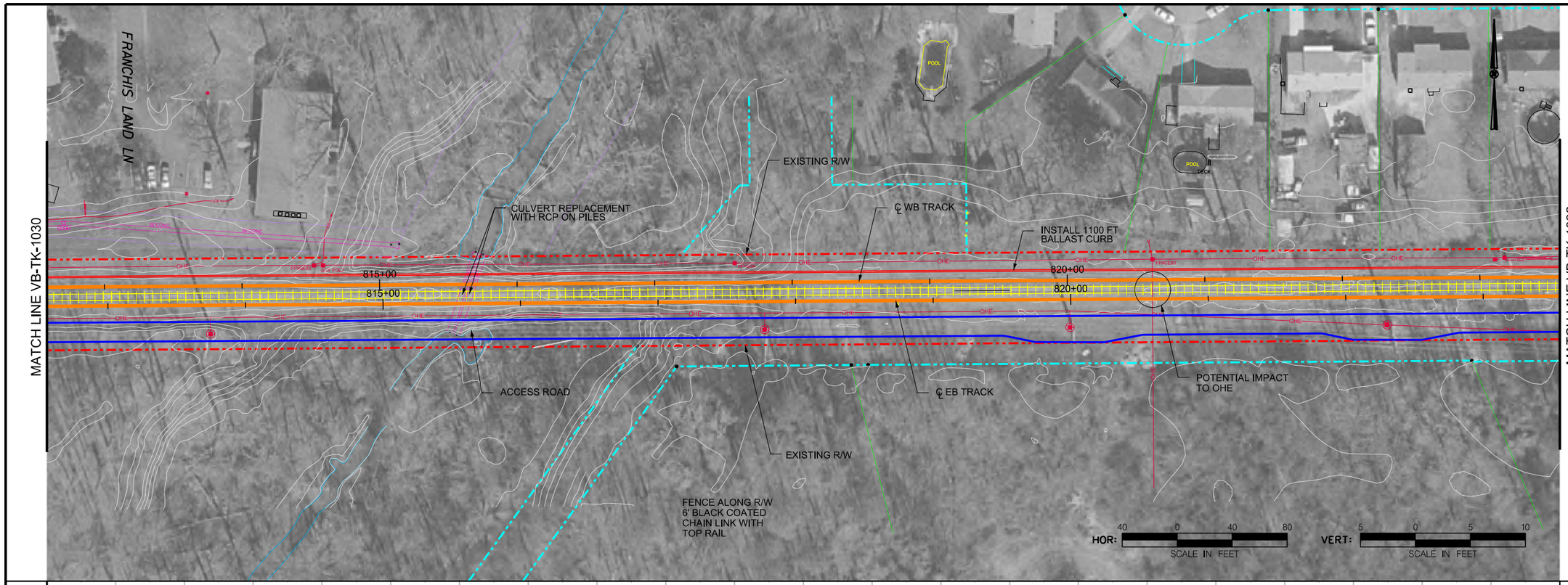

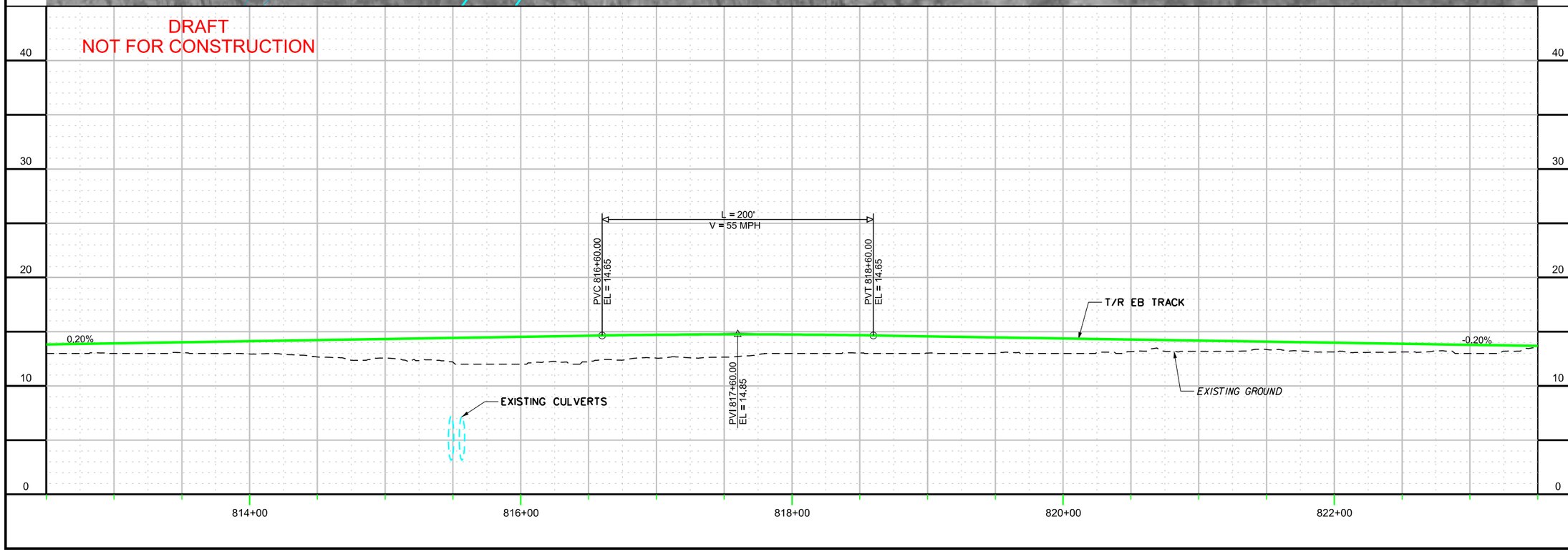

CONTRACT NO.

DRAWING NO. VB-TK-1031

OF

TRACK PLAN / PROFILE
SHEET 31 OF 52

DRAFT

APPR.	DATE	CHCK.	DATE	DRWN.	DATE	DESIGN.
		KVL		SAB		SAB

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

7:49:09 AM

8/30/2013

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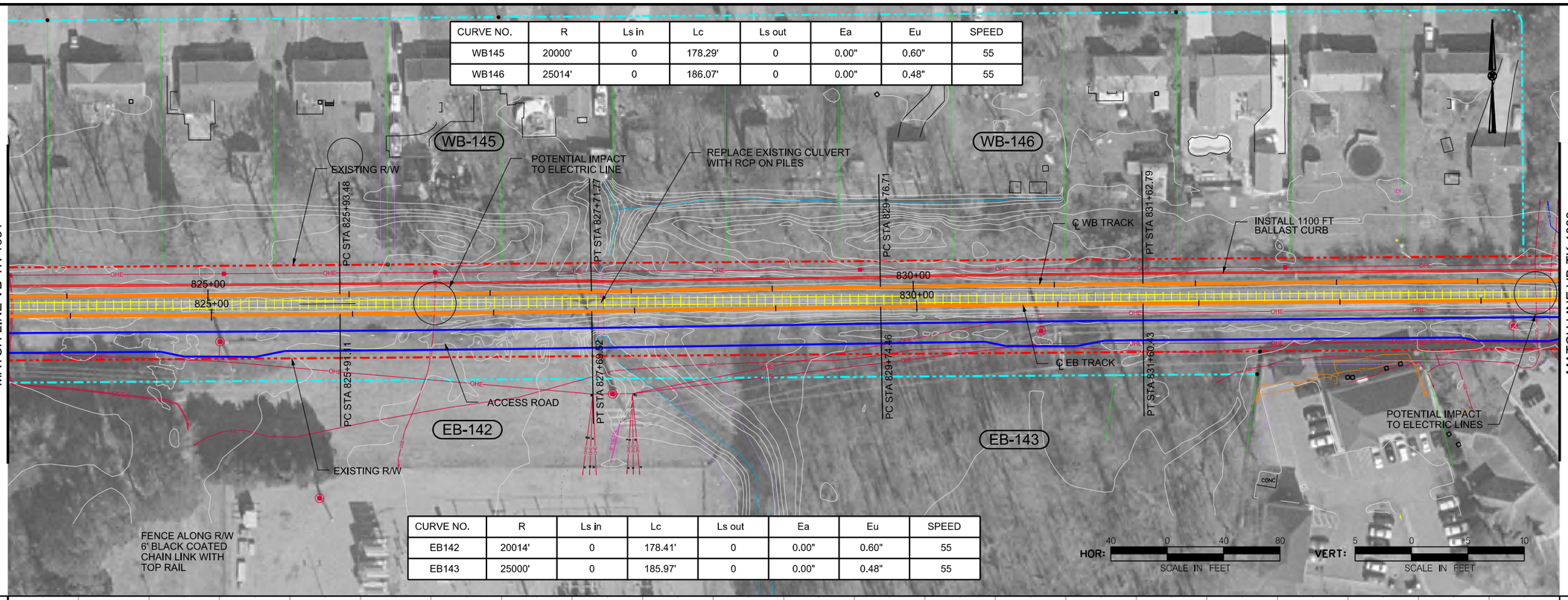
CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB145	20000'	0	178.29'	0	0.00"	0.60"	55
WB146	25014'	0	186.07'	0	0.00"	0.48"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB142	20014'	0	178.41'	0	0.00"	0.60"	55
EB143	25000'	0	185.97'	0	0.00"	0.48"	55

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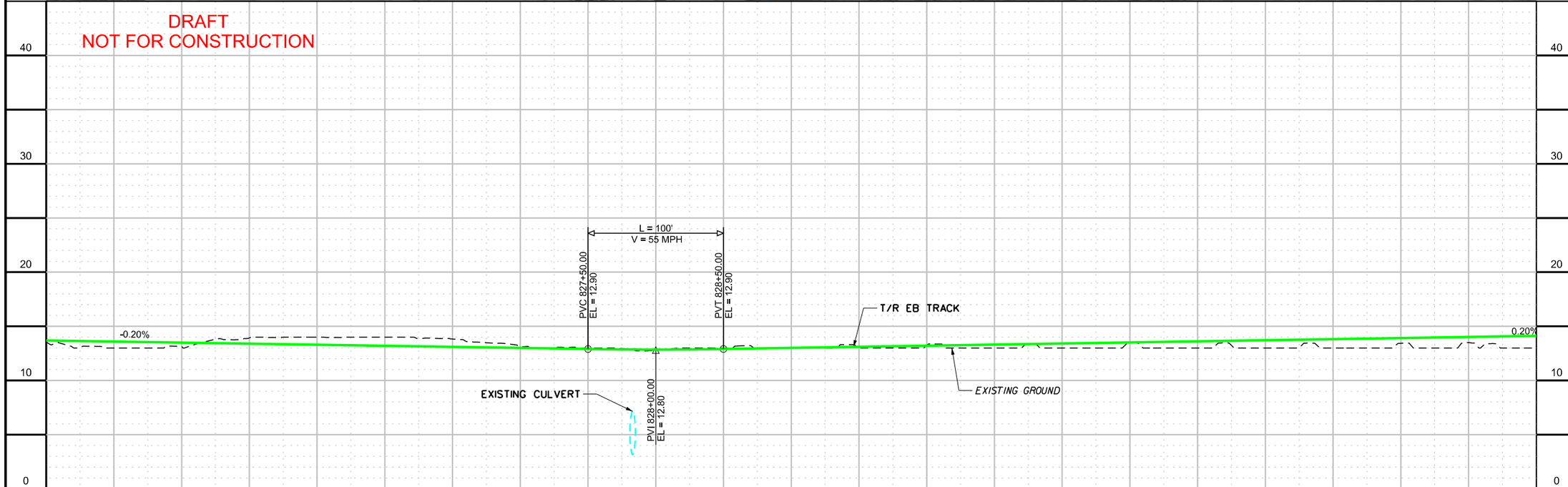
NOT FOR CONSTRUCTION



CONTRACT NO.

DRAWING NO. VB-TK-1032

OF

TRACK PLAN / PROFILE
SHEET 32 OF 52

DRAFT

DESIGN SAB	DRAWN SAB	CHCK KVL	APPR
DATE	DATE	DATE	DATE

NO.	REVISION DESCRIPTION	BY	DATE

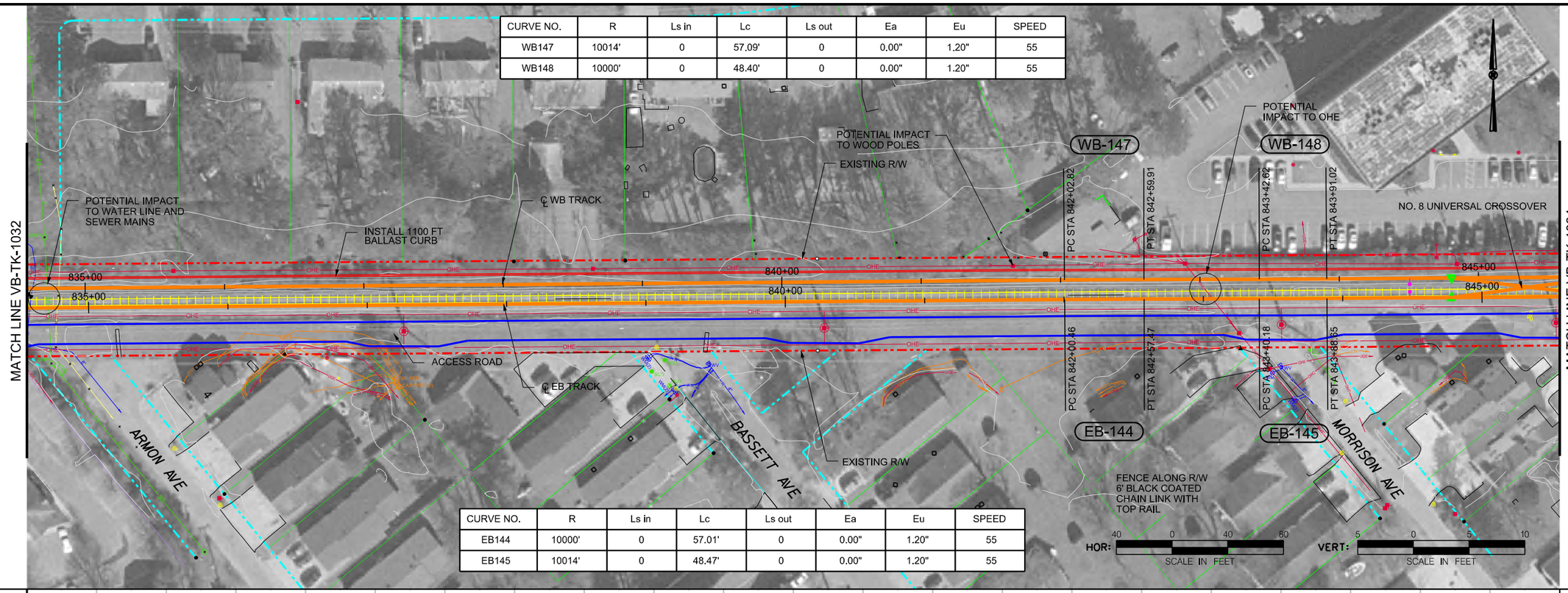
PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

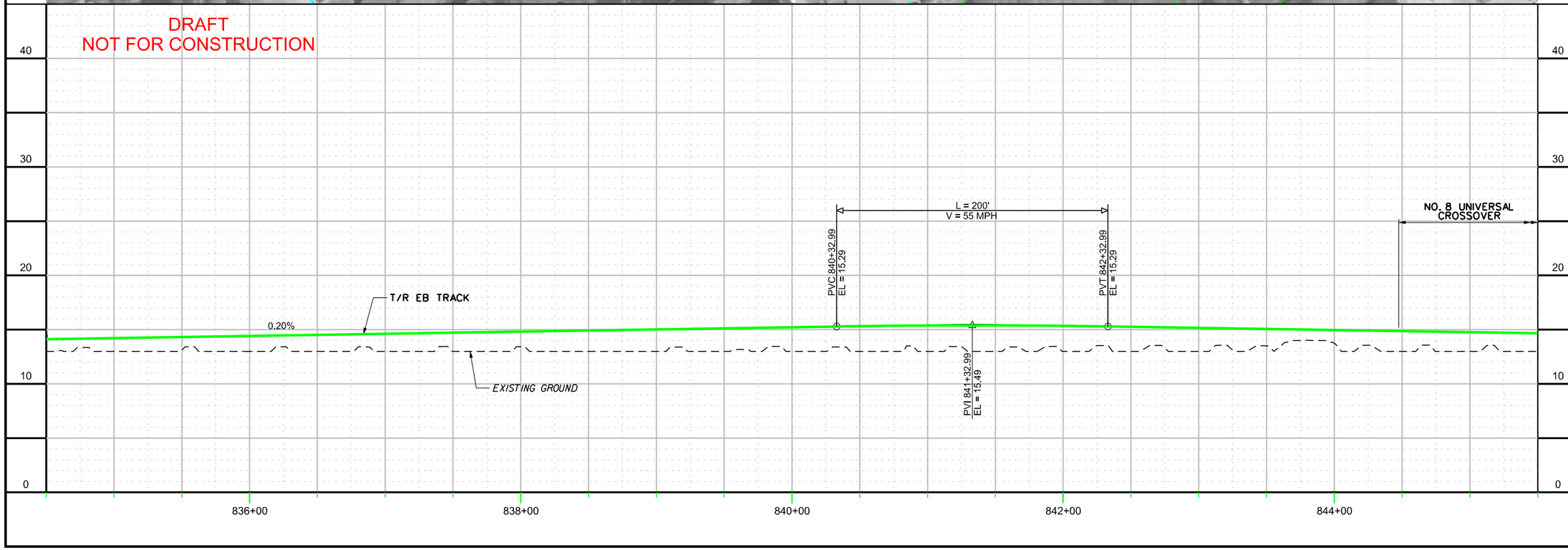
7:50:31 AM

8/30/2013

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB147	10014'	0	57.09'	0	0.00"	1.20"	55
WB148	10000'	0	48.40'	0	0.00"	1.20"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB144	10000'	0	57.01'	0	0.00"	1.20"	55
EB145	10014'	0	48.47'	0	0.00"	1.20"	55



CONTRACT NO.

DRAWING NO. VB-TK-1033

OF

TRACK PLAN / PROFILE
SHEET 33 OF 52

DRAFT

DESIGN SAB	DRAWN SAB	CHCK KVL	APPR
DATE	DATE	DATE	DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY: HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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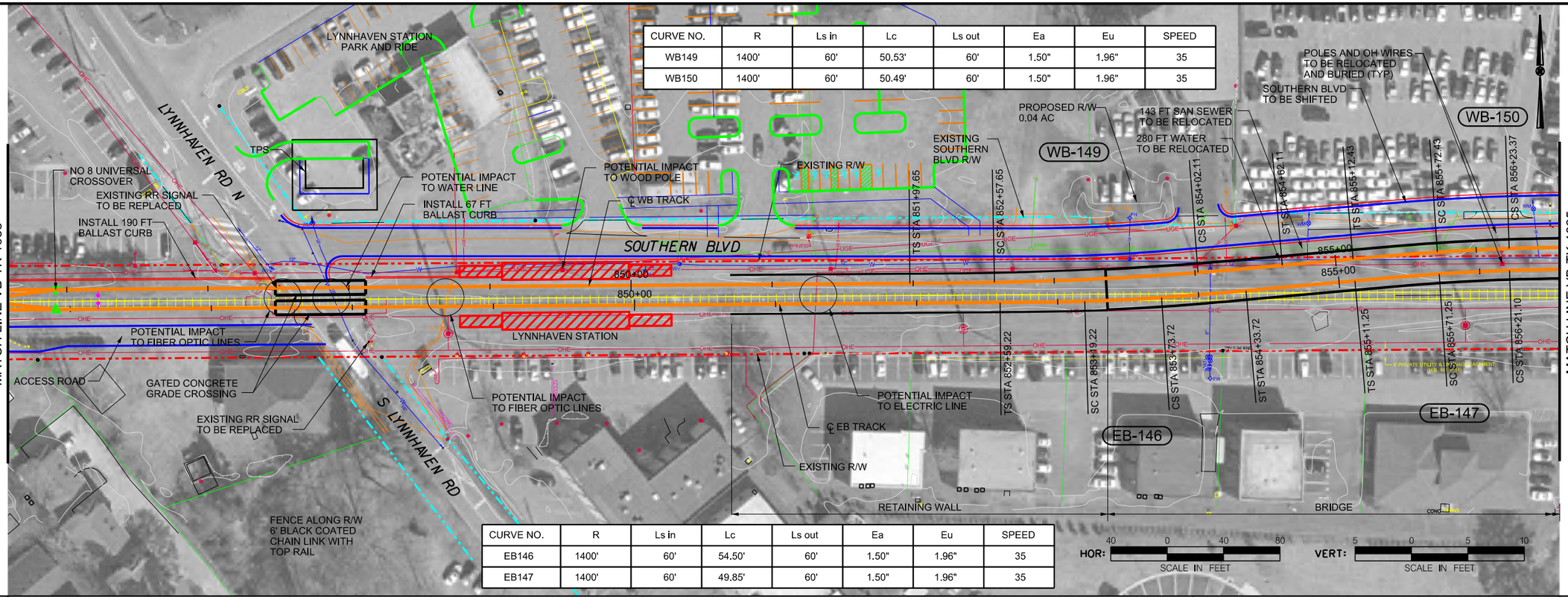
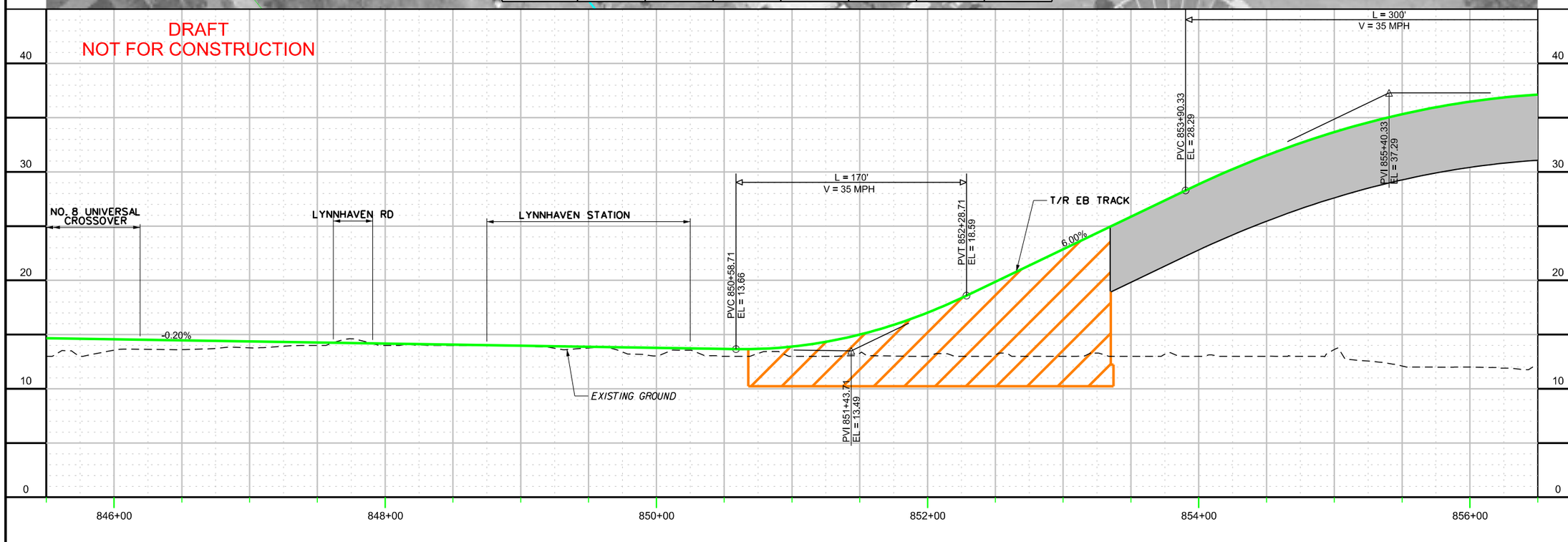
8/30/2013

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB149	1400'	60'	50.53'	60'	1.50"	1.96"	35
WB150	1400'	60'	50.49'	60'	1.50"	1.96"	35



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB146	1400'	60'	54.50'	60'	1.50"	1.96"	35
EB147	1400'	60'	49.85'	60'	1.50"	1.96"	35



CONTRACT NO.

DRAWING NO. VB-TK-1034

OF

TRACK PLAN / PROFILE
SHEET 34 OF 52

DRAFT

DESIGN	DRAWN	CKCK	APPR
SAB	SAB	KVL	
DATE	DATE	DATE	DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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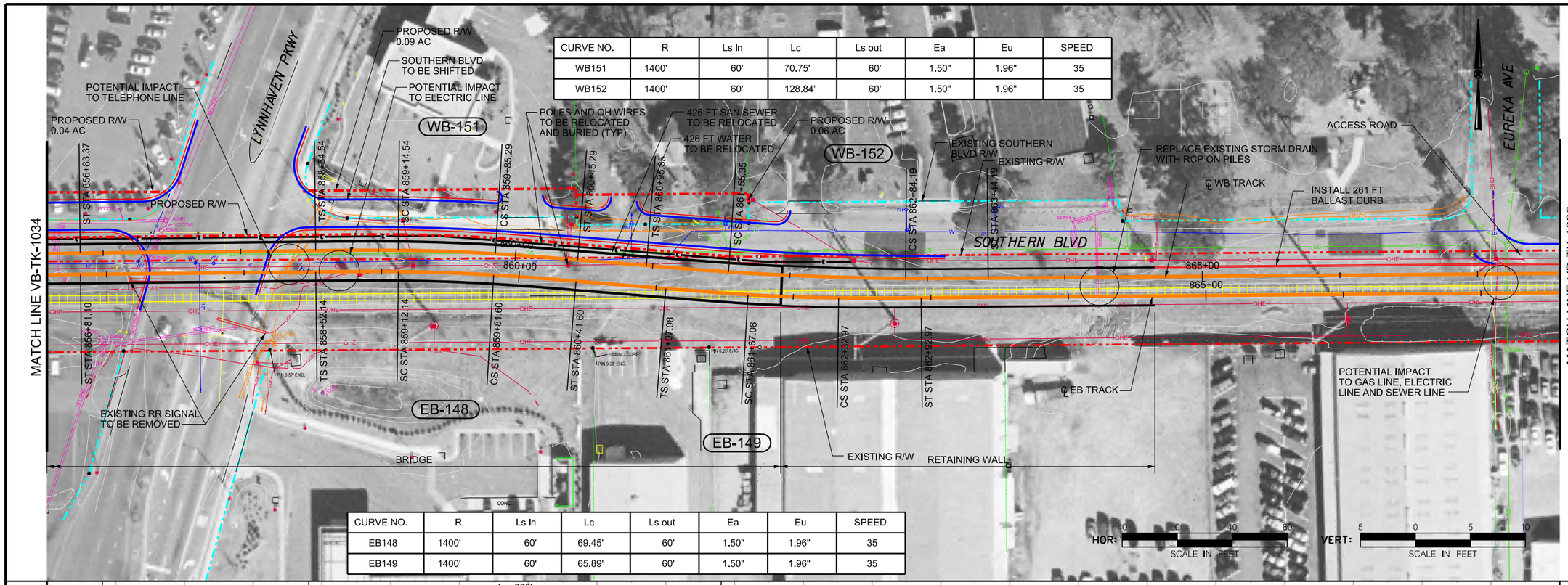

CURVE NO.	R	Ls In	Lc	Ls out	Ea	Eu	SPEED
WB151	1400'	60'	70.75'	60'	1.50"	1.96"	35
WB152	1400'	60'	128.84'	60'	1.50"	1.96"	35

CURVE NO.	R	Ls In	Lc	Ls out	Ea	Eu	SPEED
EB148	1400'	60'	69.45'	60'	1.50"	1.96"	35
EB149	1400'	60'	65.89'	60'	1.50"	1.96"	35

CONTRACT NO.

DRAWING NO. VB-TK-1035

OF

TRACK PLAN / PROFILE
SHEET 35 OF 52

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

APPR. CKCK. KVL DATE
DRWN. SAB DATE
DESIGN. SAB DATE

PLANS PREPARED BY: HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

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