7:54:37 AM

8/30/2013

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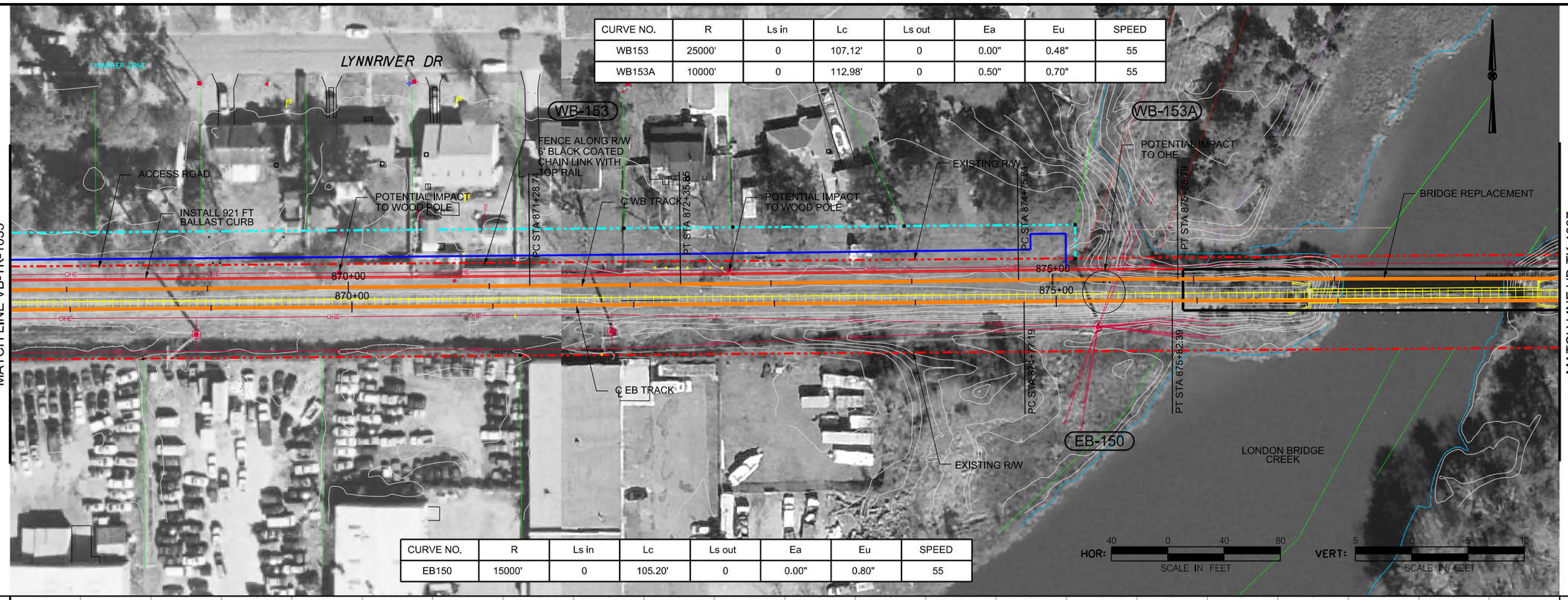
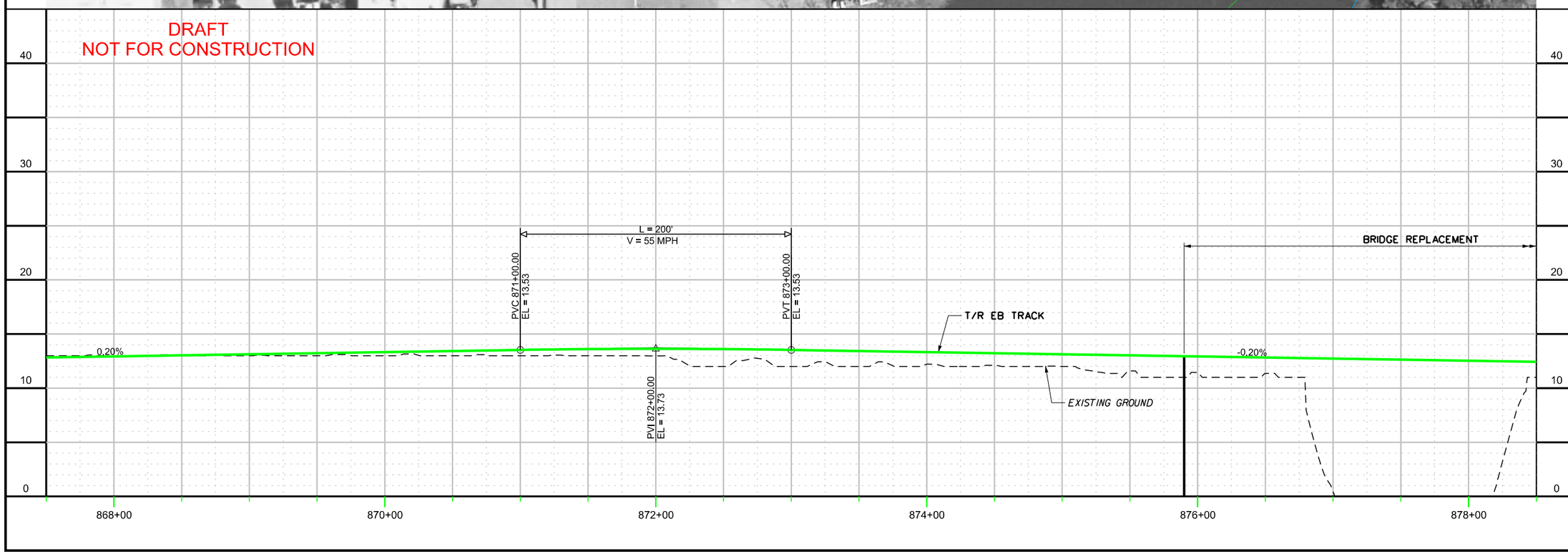
CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB153	25000'	0	107.12'	0	0.00"	0.48"	55
WB153A	10000'	0	112.98'	0	0.50"	0.70"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB150	15000'	0	105.20'	0	0.00"	0.80"	55



CONTRACT NO.

DRAWING NO. VB-TK-1036

OF

TRACK PLAN / PROFILE
SHEET 36 OF 52

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

DESIGN SAB	DRWN SAB	CKCK KVL	APPR
DATE	DATE	DATE	DATE

PLANS PREPARED BY: HDR

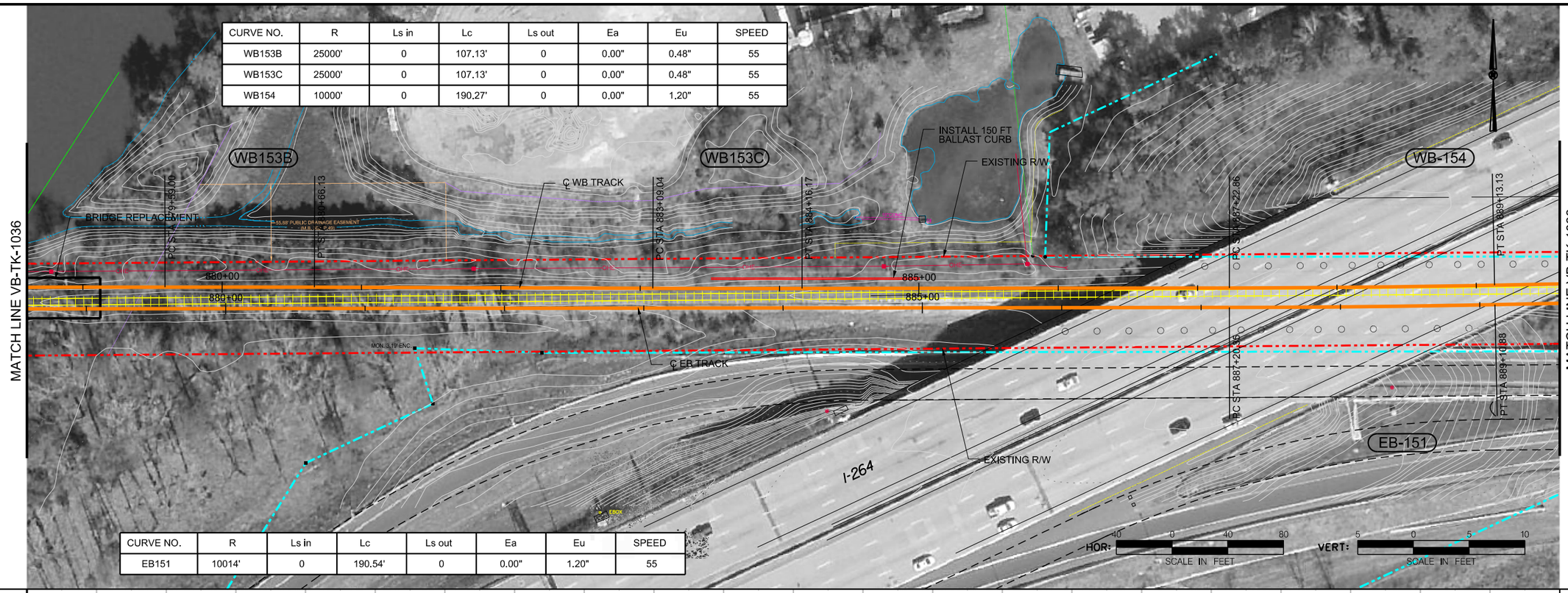
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

7:55:57 AM

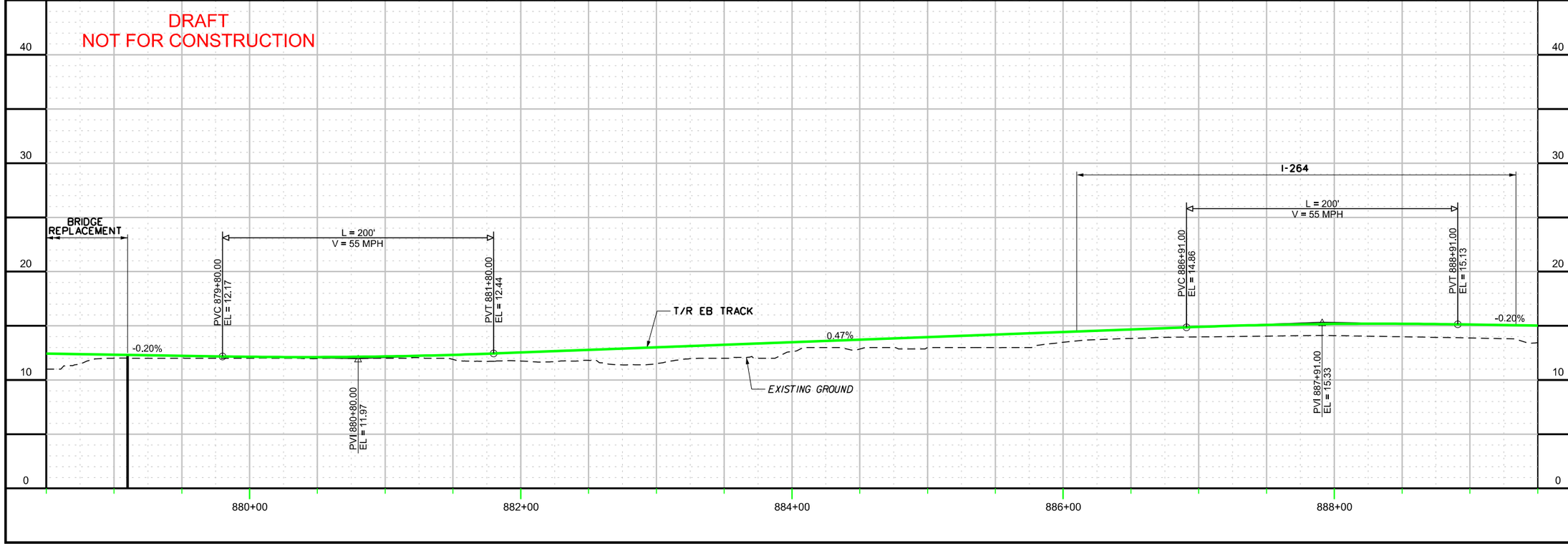
8/30/2013

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB153B	25000'	0	107.13'	0	0.00"	0.48"	55
WB153C	25000'	0	107.13'	0	0.00"	0.48"	55
WB154	10000'	0	190.27'	0	0.00"	1.20"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB151	10014'	0	190.54'	0	0.00"	1.20"	55

DRAFT
NOT FOR CONSTRUCTION



CONTRACT NO.

DRAWING NO. VB-TK-1037

OF

TRACK PLAN / PROFILE
SHEET 37 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

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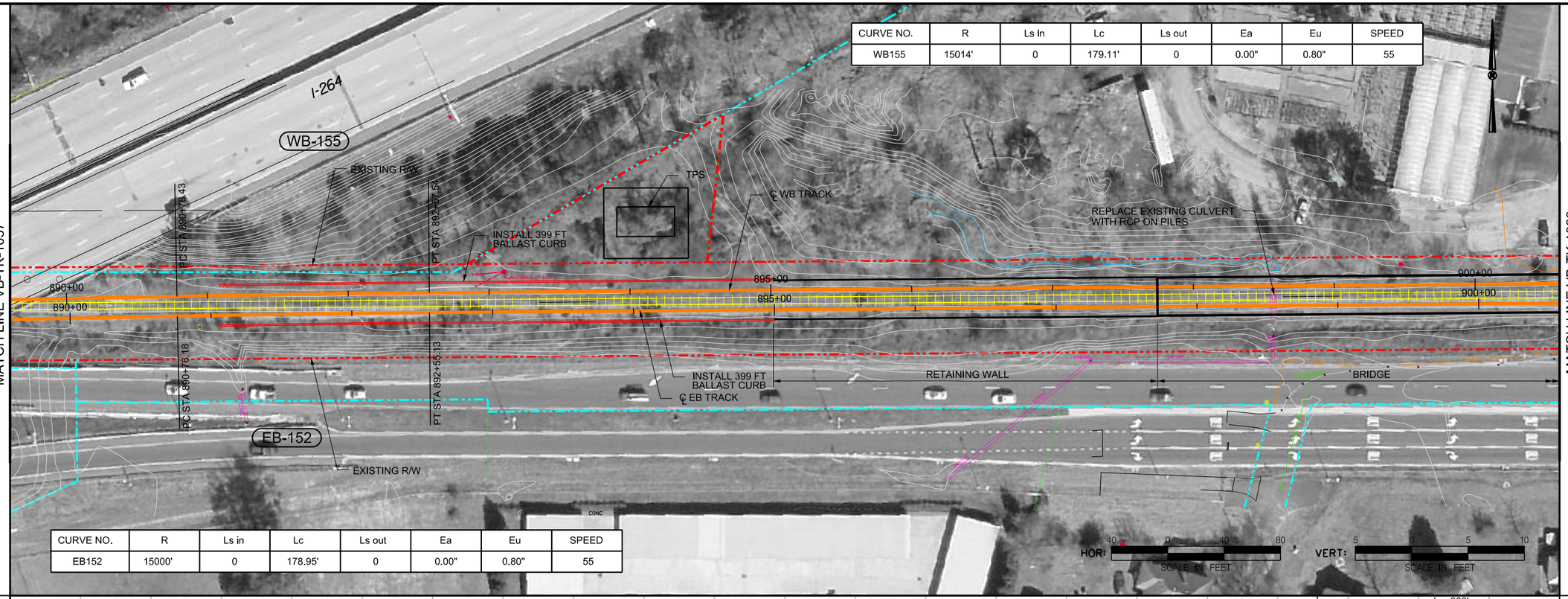
$TIME$

$DATE$

MATCH LINE VB-TK-1037

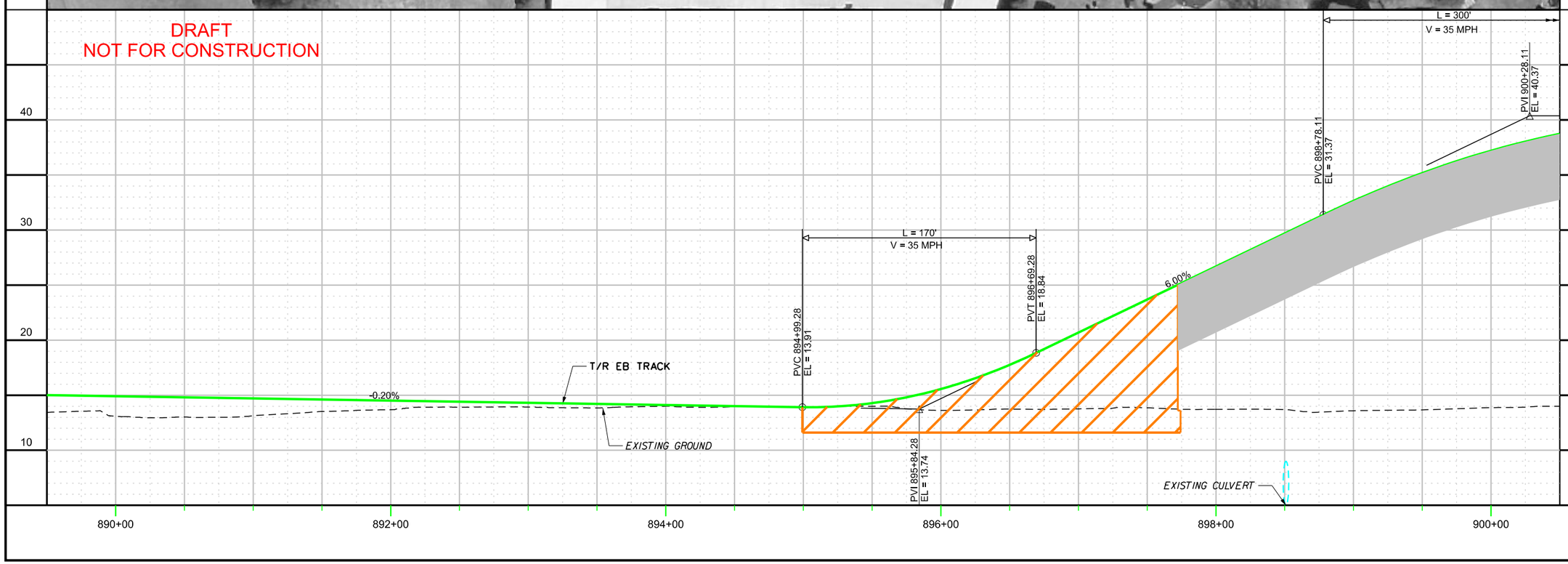


CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB155	15014'	0	179.11'	0	0.00"	0.80"	55

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB152	15000'	0	178.95'	0	0.00"	0.80"	55

MATCH LINE VB-TK-1039

DRAFT
NOT FOR CONSTRUCTION



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CONTRACT NO.

DRAWING NO. VB-TK-1038

OF

TRACK PLAN / PROFILE
SHEET 38 OF 52

DRAFT

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

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

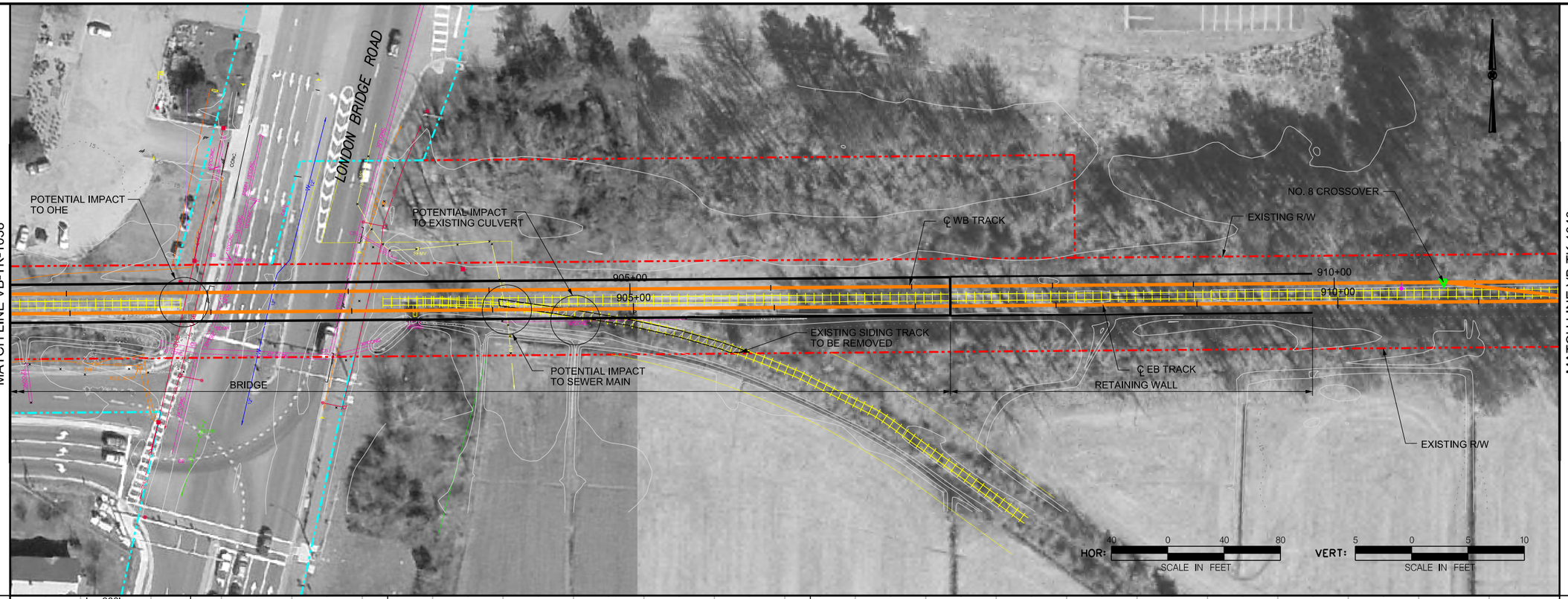
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

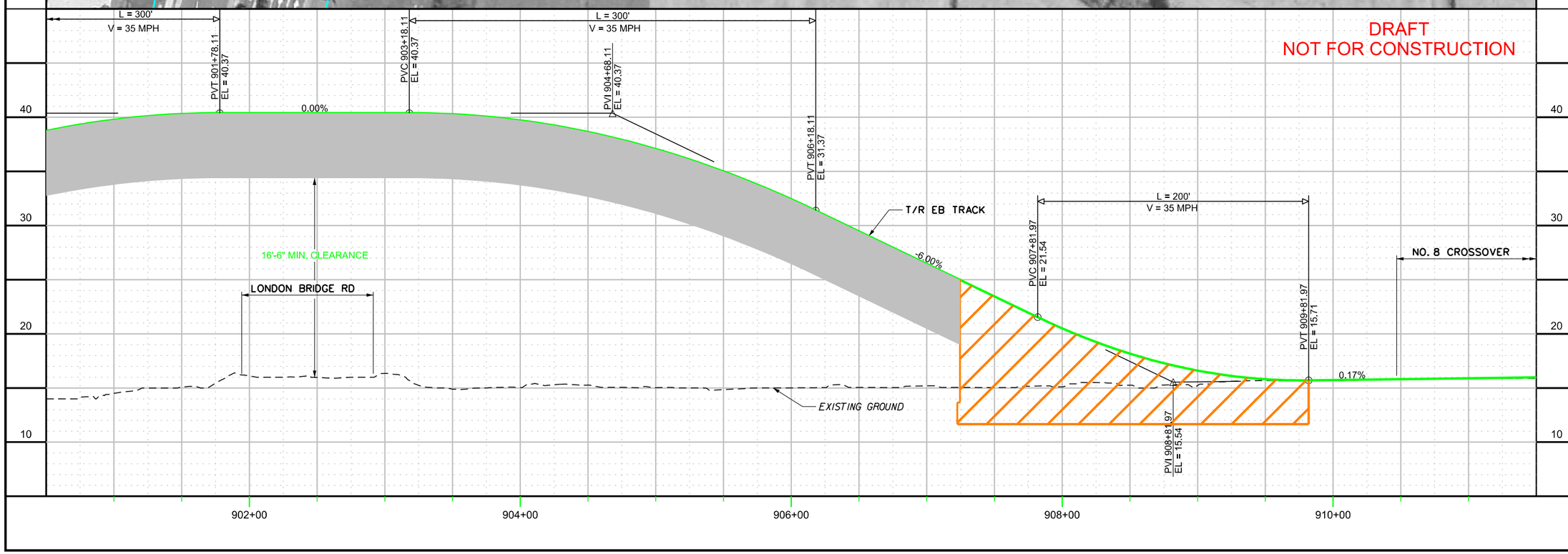
$TIME$

$DATE$

MATCH LINE VB-TK-1038



MATCH LINE VB-TK-1040



CONTRACT NO.

DRAWING NO. VB-TK-1039

OF

TRACK PLAN / PROFILE
SHEET 39 OF 52

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

APPR	CHCK	DRWN	DESIGN
	KVL	SAB	SAB

DATE DATE DATE DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

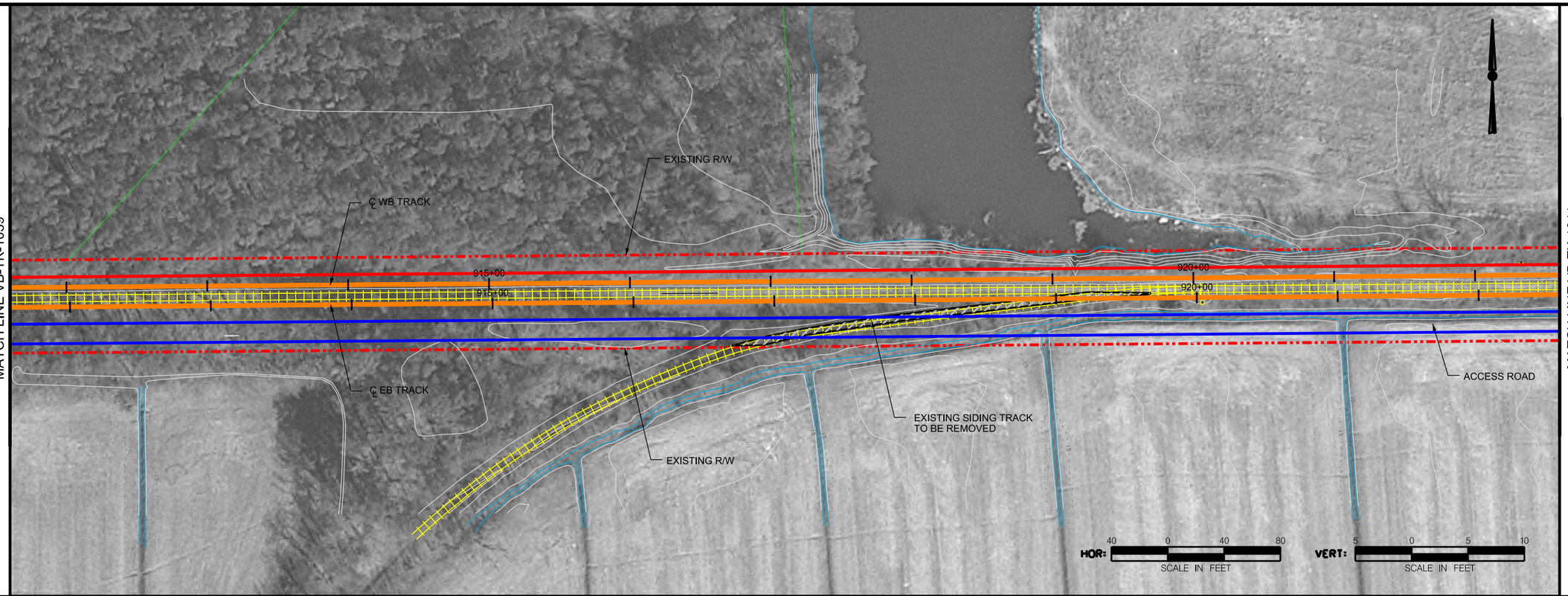
VIRGINIA BEACH TRANSIT EXTENSION STUDY

$FILE$

$TIME$

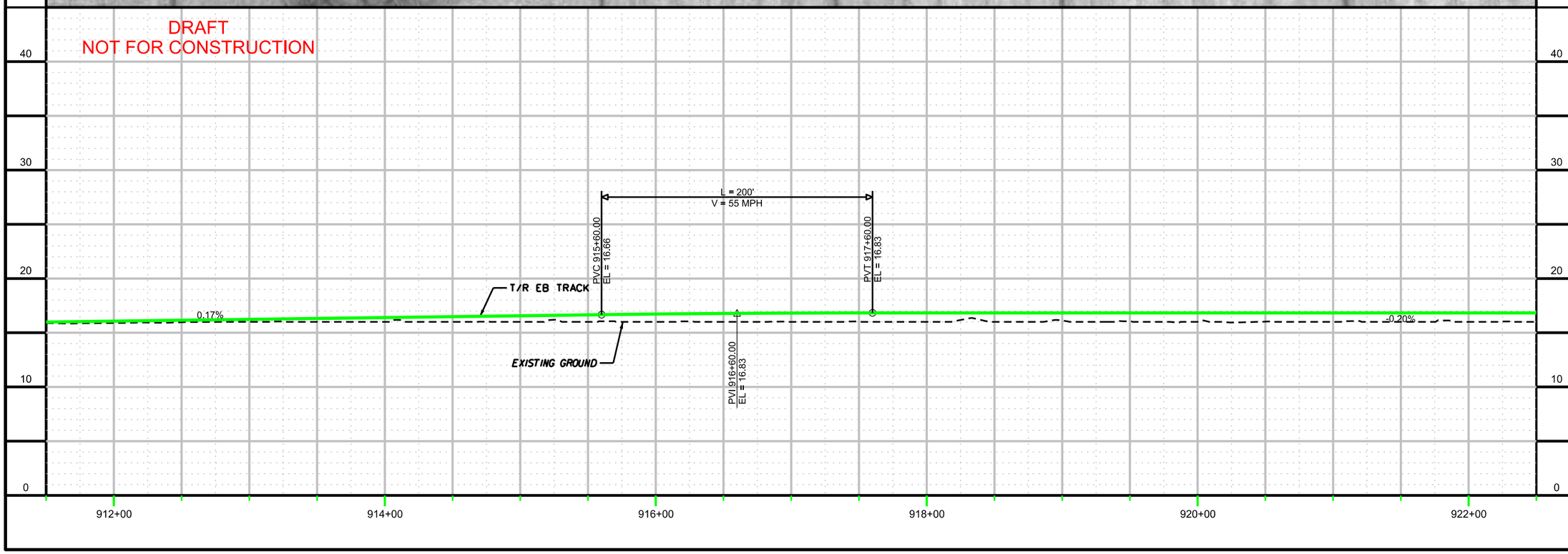
$DATE$

MATCH LINE VB-TK-1039



MATCH LINE VB-TK-1041

DRAFT
NOT FOR CONSTRUCTION



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CONTRACT NO.

DRAWING NO. VB-TK-1040

OF

TRACK PLAN / PROFILE
SHEET 40 OF 52

DRAFT

APPR	CHCK	DRWN	DESIGN
	KVL	SAB	SAB
DATE	DATE	DATE	DATE

NO.	REVISION DESCRIPTION	BY	DATE

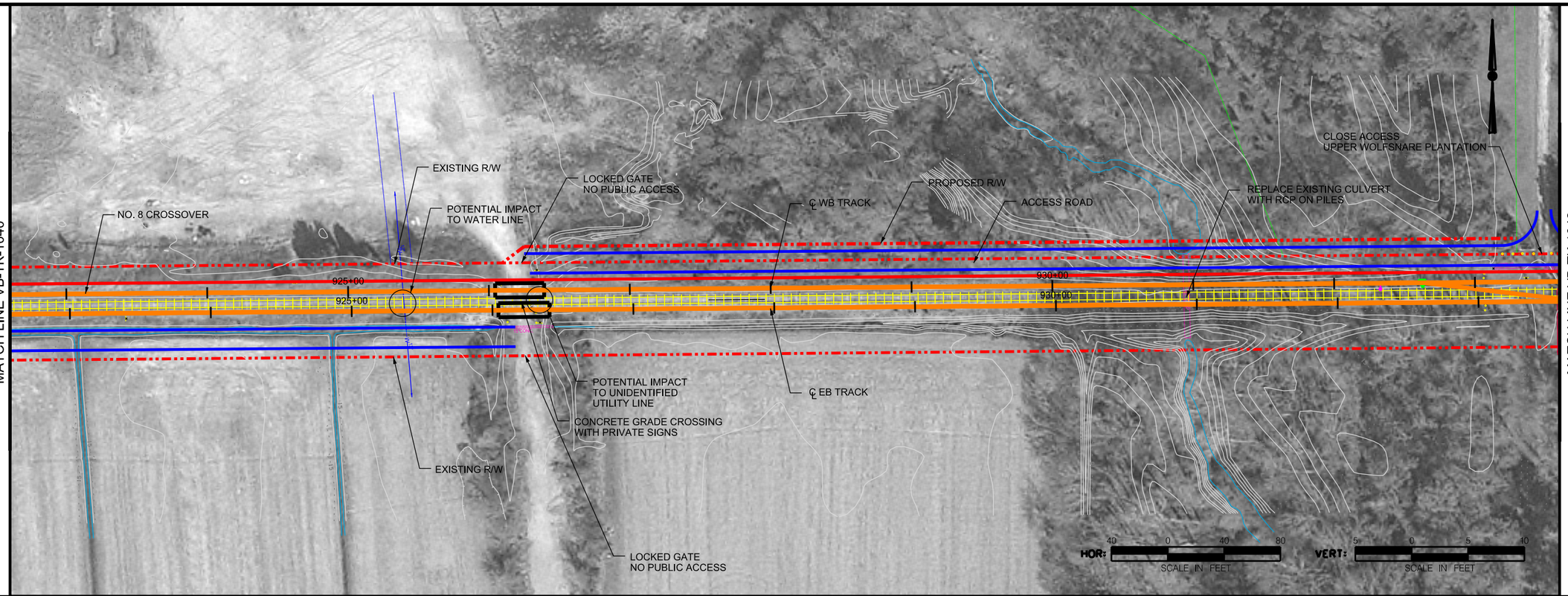
PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT
EXTENSION STUDY

$TIME$

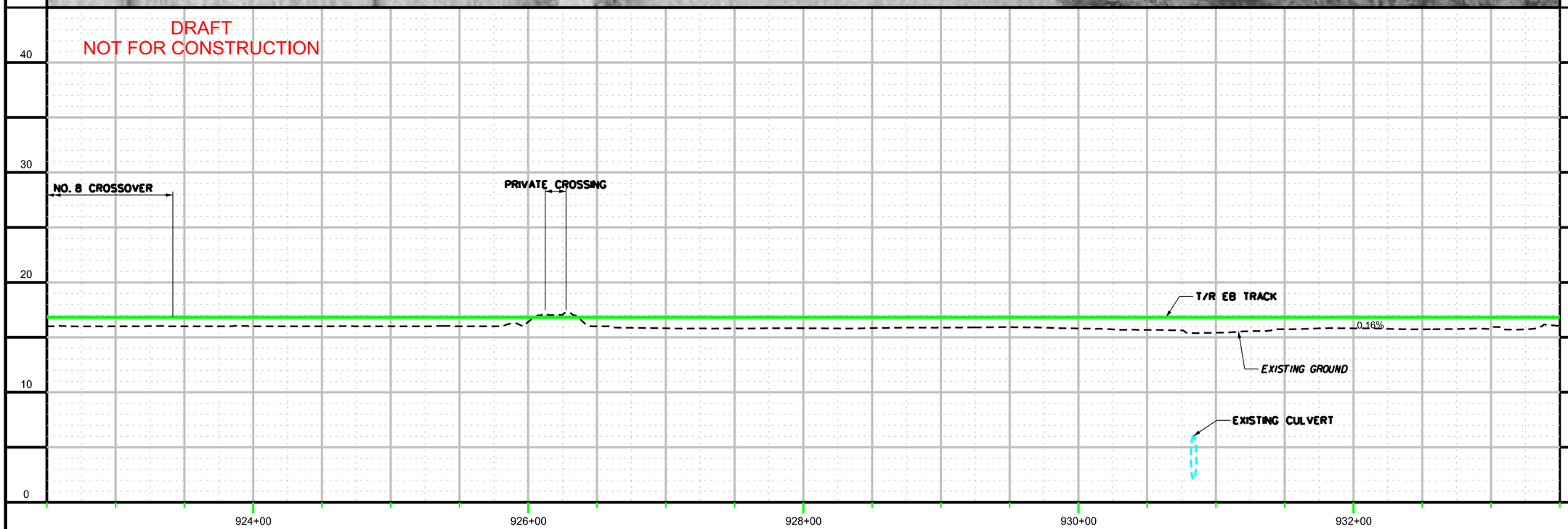
$DATE$

MATCH LINE VB-TK-1040



MATCH LINE VB-TK-1042

DRAFT
NOT FOR CONSTRUCTION



CONTRACT NO.

DRAWING NO. VB-TK-1041

OF

TRACK PLAN / PROFILE
SHEET 41 OF 52

DRAFT

DESIGN SAB	DRAWN SAB	CHCK KVL	APPR
DATE	DATE	DATE	DATE

NO.	REVISION DESCRIPTION	BY	DATE

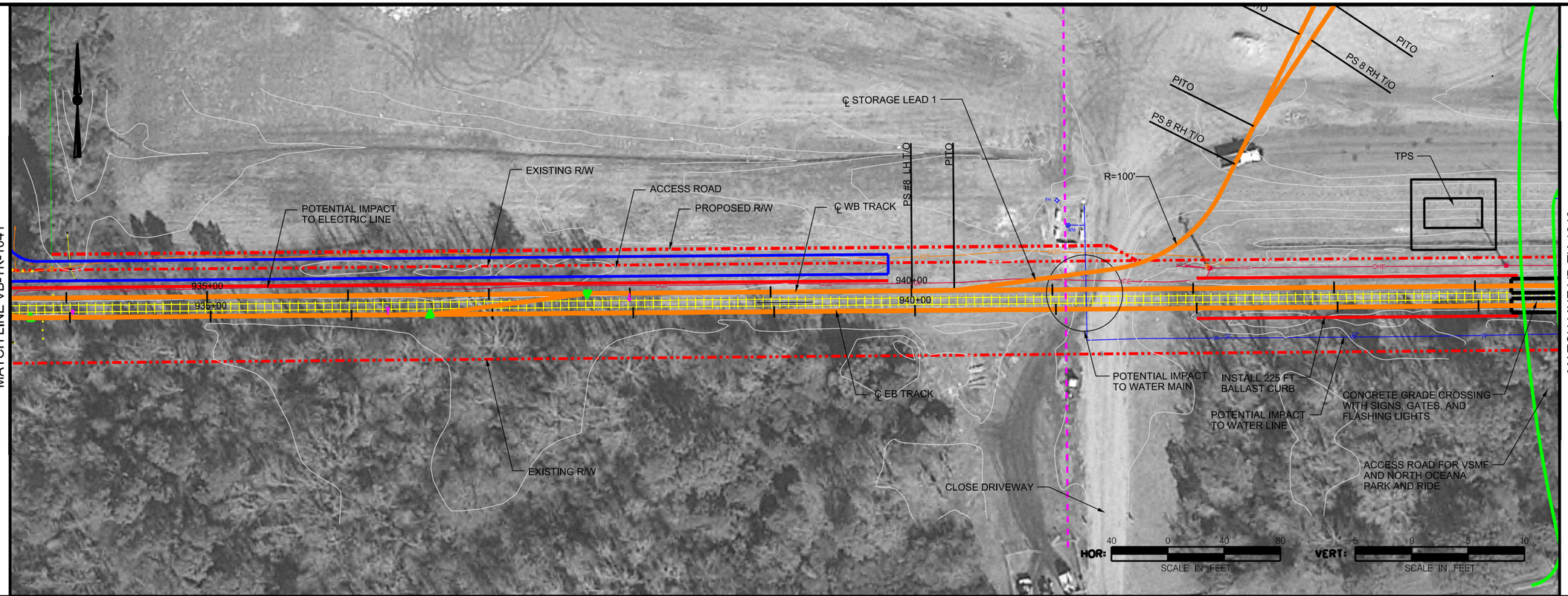
PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

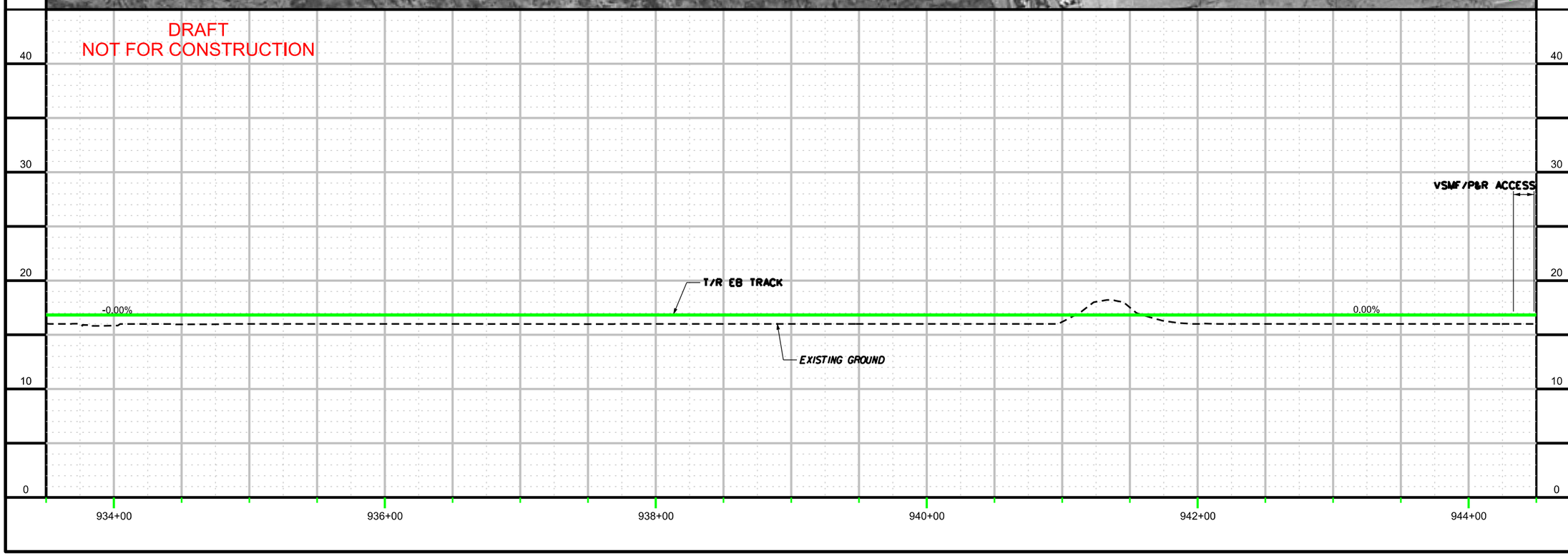
VIRGINIA BEACH TRANSIT
EXTENSION STUDY

$FILE$

$TIME$

$DATE$





CONTRACT NO.

DRAWING NO. VB-TK-1042

OF

TRACK PLAN / PROFILE
SHEET 42 OF 52

DRAFT

APPR	CHCK	DRWN	DESIGN
	KVL	SAB	SAB

DATE DATE DATE DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:
HDR
HAMPTON ROADS TRANSIT

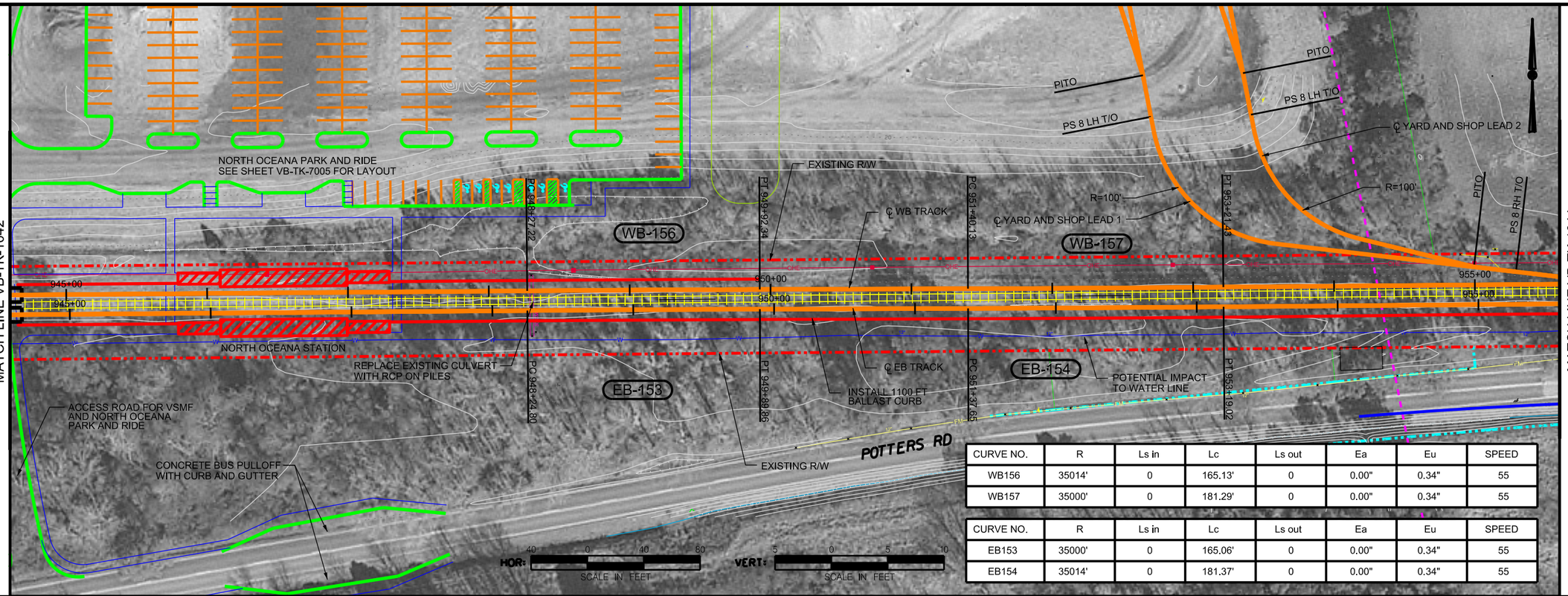
VIRGINIA BEACH TRANSIT EXTENSION STUDY

$FILE$

$TIME$

$DATE$

MATCH LINE VB-TK-1042

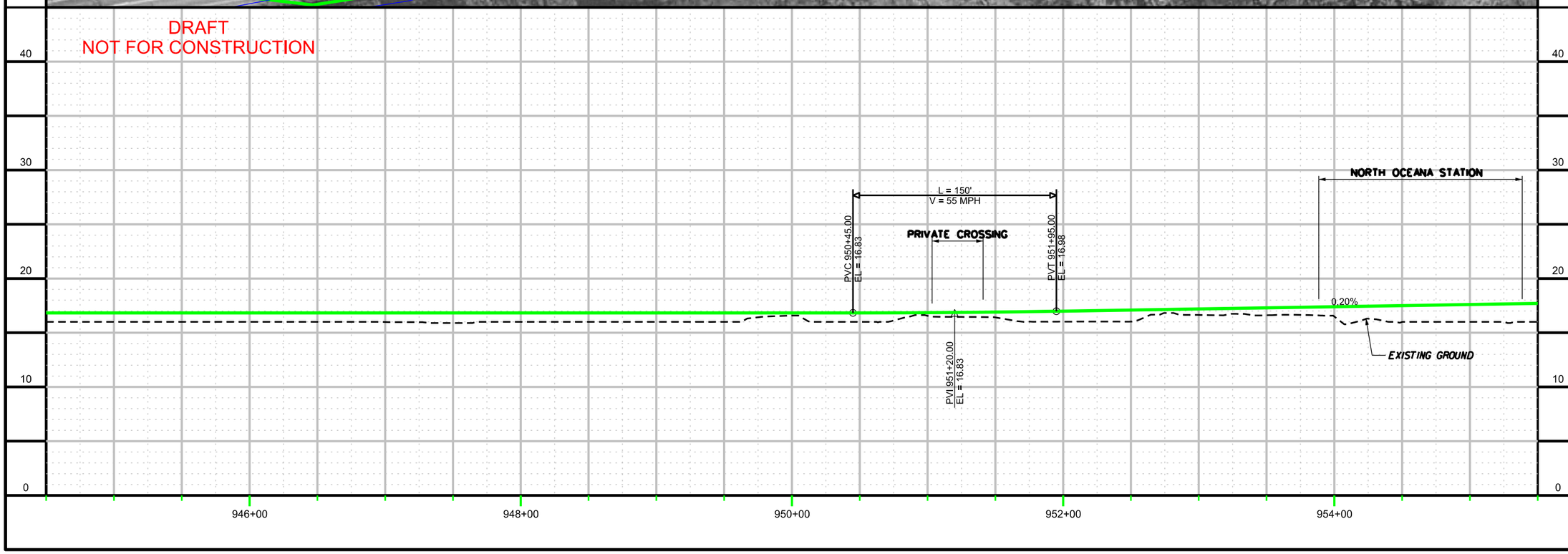


MATCH LINE VB-TK-1044

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB156	35014'	0	165.13'	0	0.00"	0.34"	55
WB157	35000'	0	181.29'	0	0.00"	0.34"	55

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB153	35000'	0	165.06'	0	0.00"	0.34"	55
EB154	35014'	0	181.37'	0	0.00"	0.34"	55

DRAFT
NOT FOR CONSTRUCTION



CONTRACT NO.

DRAWING NO. VB-TK-1043

OF

TRACK PLAN / PROFILE
SHEET 43 OF 52

DRAFT

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

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT
EXTENSION STUDY

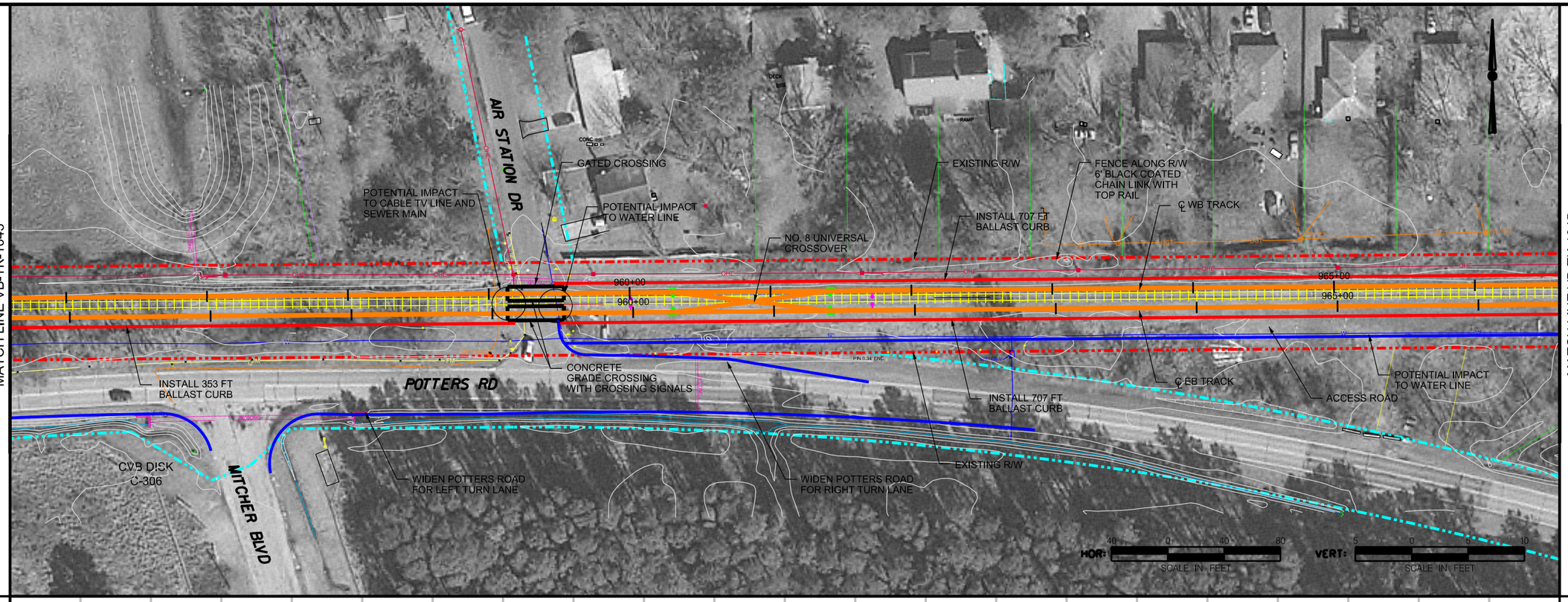
$FILE$

$TIME$

$DATE$

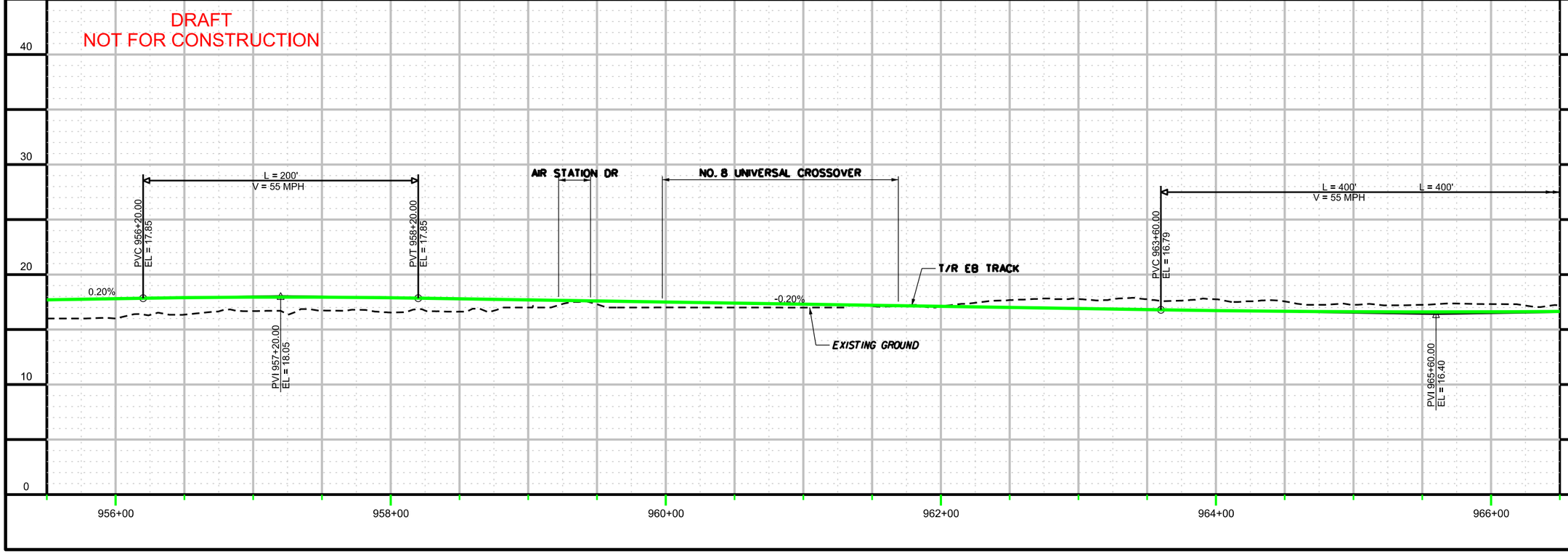
$FILE$

MATCH LINE VB-TK-1043



MATCH LINE VB-TK-1045

DRAFT
NOT FOR CONSTRUCTION



CONTRACT NO.

DRAWING NO. VB-TK-1044

OF

TRACK PLAN / PROFILE
SHEET 44 OF 52

DRAFT

NO.	REVISION DESCRIPTION	BY	DATE

APPR	CHCK	DRAWN	DESIGN
	KVL	SAB	SAB
DATE	DATE	DATE	DATE

PLANS PREPARED BY:

HDR

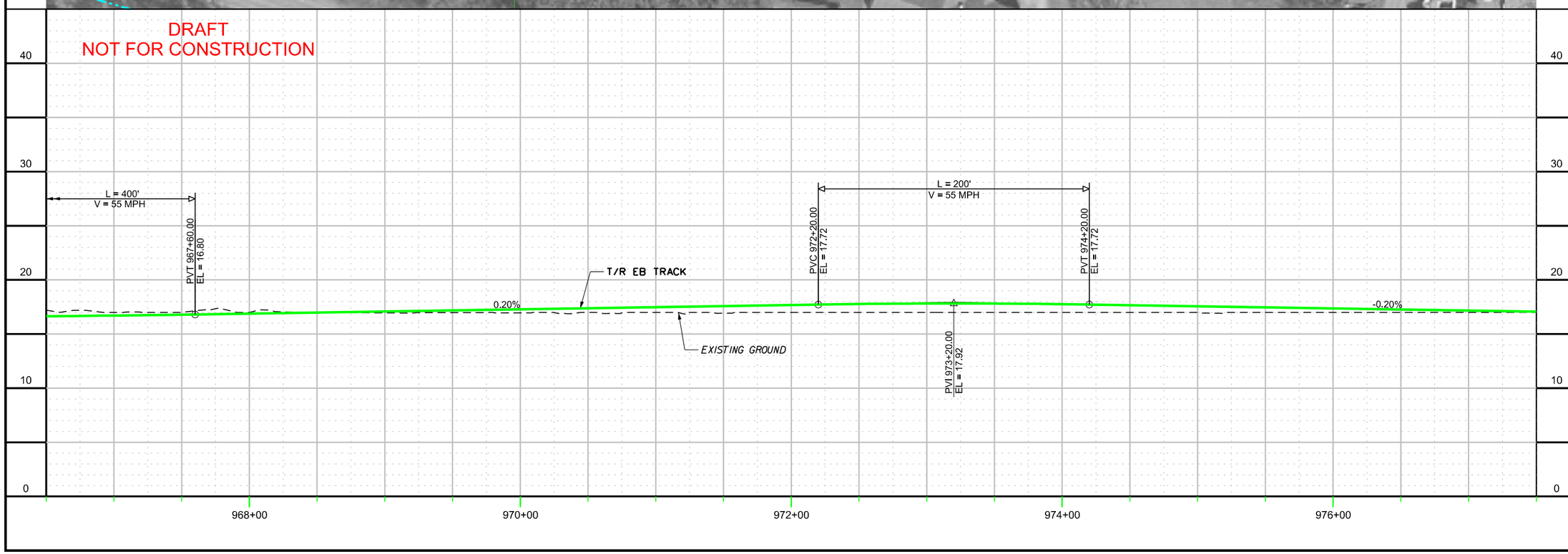
HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

8:40:57 AM

8/30/2013

DRAFT
NOT FOR CONSTRUCTION



CONTRACT NO.	DRAWING NO.	OF
	VB-TK-1045	

TRACK PLAN / PROFILE
SHEET 45 OF 52

DRAFT

APPR	CHCK	DRWN	DESIGN
DATE	DATE	DATE	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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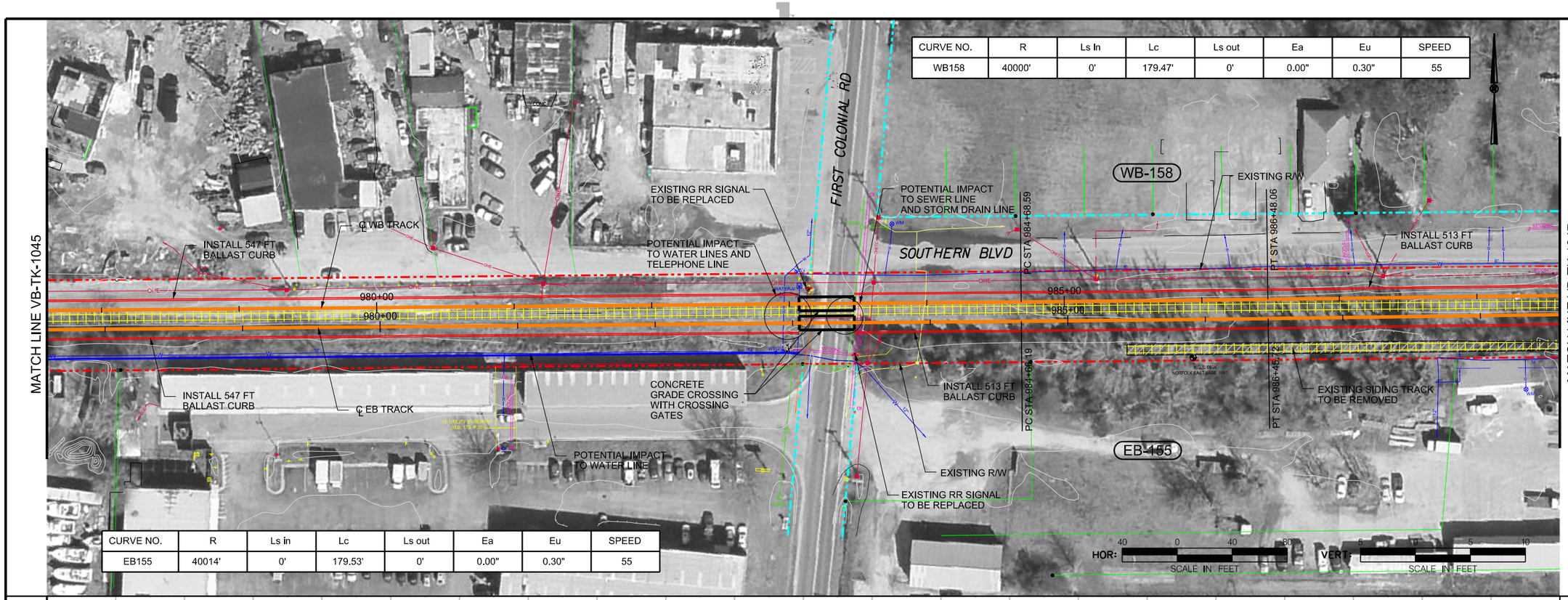
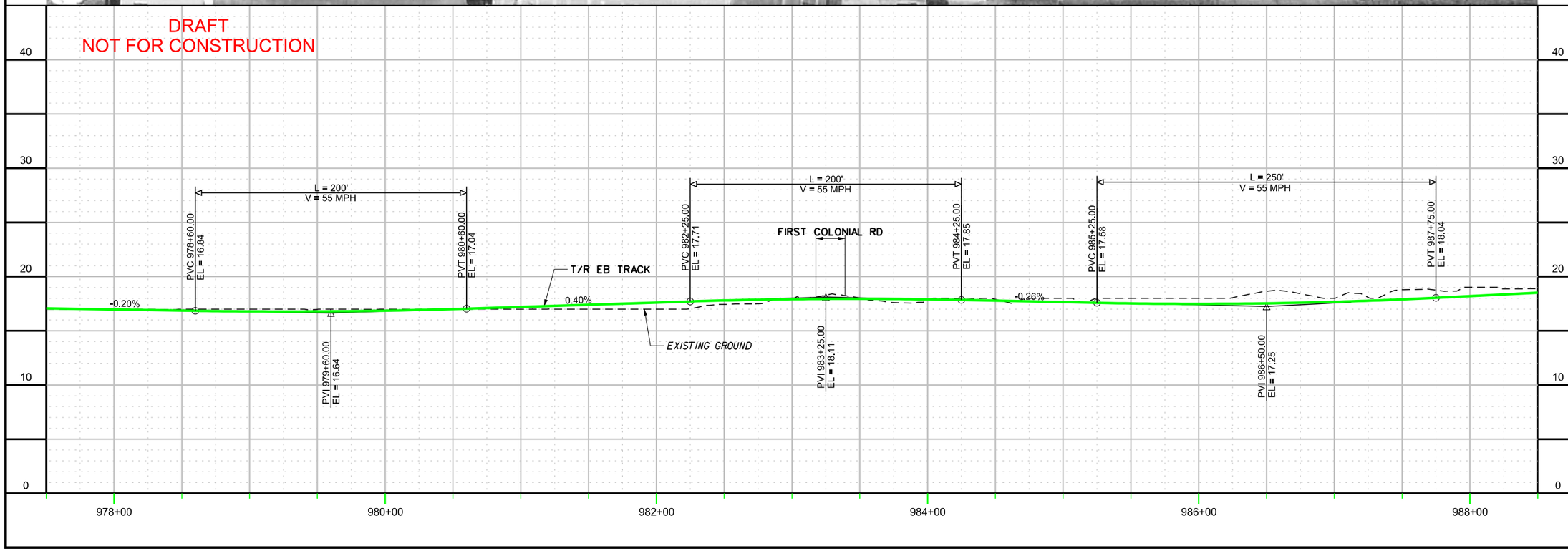
8:42:18 AM

8/30/2013



CURVE NO.	R	Ls In	Lc	Ls out	Ea	Eu	SPEED
WB158	40000'	0'	179.47'	0'	0.00"	0.30"	55

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB155	40014'	0'	179.53'	0'	0.00"	0.30"	55



CONTRACT NO.

DRAWING NO. VB-TK-1046

OF

TRACK PLAN / PROFILE
SHEET 46 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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8:43:40 AM

8/30/2013

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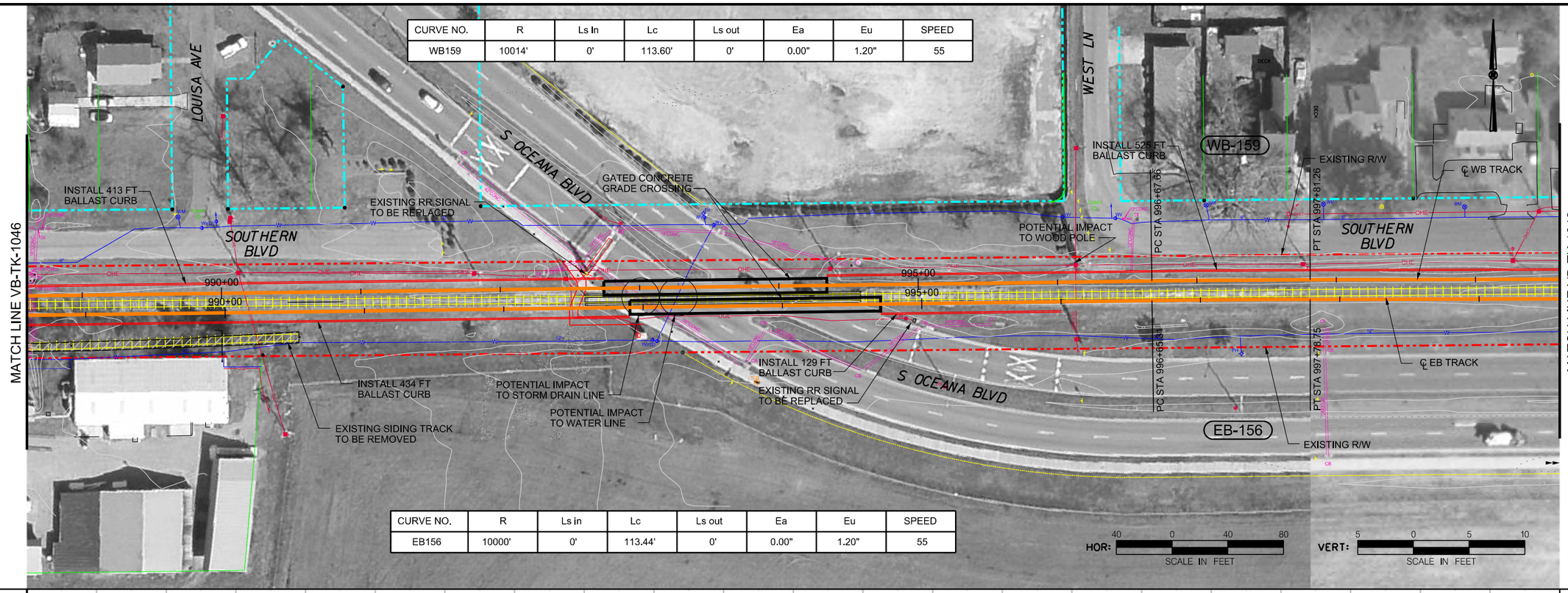
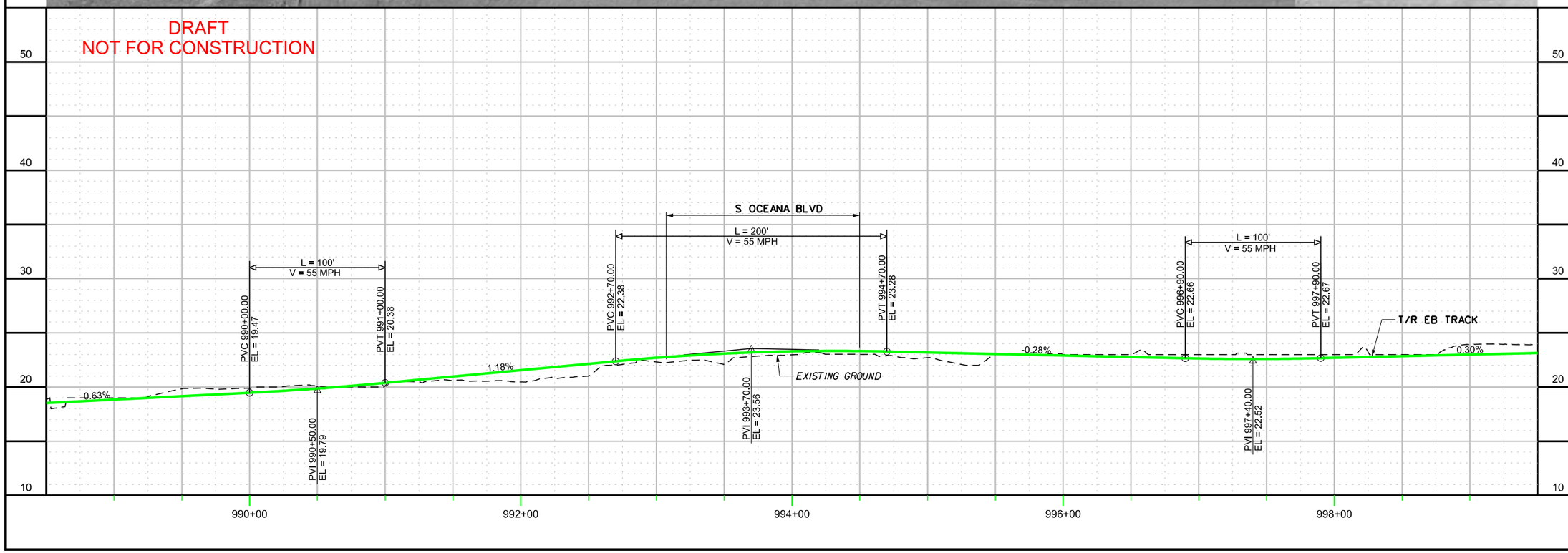
CURVE NO.	R	Ls In	Lc	Ls out	Ea	Eu	SPEED
WB159	10014'	0'	113.60'	0'	0.00"	1.20"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB156	10000'	0'	113.44'	0'	0.00"	1.20"	55



CONTRACT NO.

DRAWING NO. VB-TK-1047

OF

TRACK PLAN / PROFILE
SHEET 47 OF 52

DRAFT

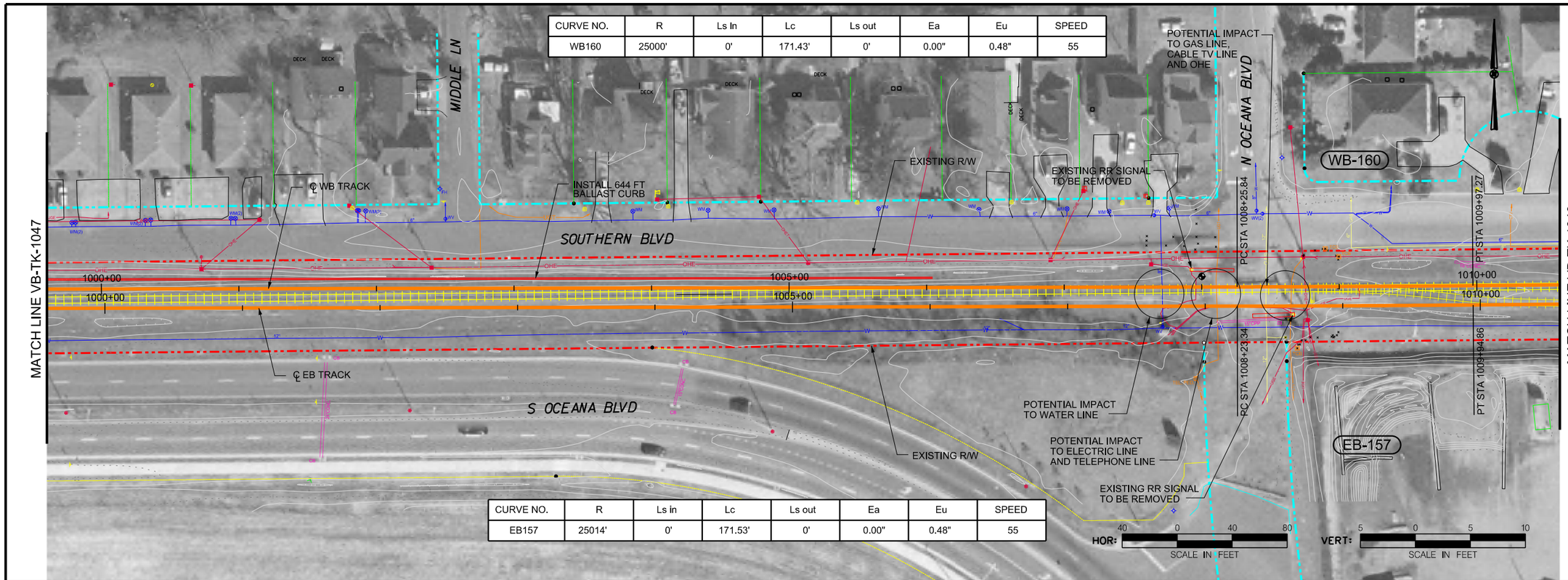
DESIGN	DRAWN	CHCK	APPR	DATE	BY	NO.	REVISION DESCRIPTION
SAB	SAB	KVL					
DATE	DATE	DATE	DATE				

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY



CURVE NO.	R	Ls In	Lc	Ls out	Ea	Eu	SPEED
WB160	25000'	0'	171.43'	0'	0.00"	0.48"	55

CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB157	25014'	0'	171.53'	0'	0.00"	0.48"	55

CONTRACT NO.

DRAWING NO. VB-TK-1048

OF

TRACK PLAN / PROFILE
SHEET 48 OF 52

DRAFT

APPR	CKCK	DRWN	DESIGN
KVL	SAB	SAB	SAB

DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY:

HDR

HAMPTON ROADS TRANSIT

VIRGINIA BEACH TRANSIT EXTENSION STUDY

8:45:03 AM

8/30/2013

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8:46:24 AM

8/30/2013

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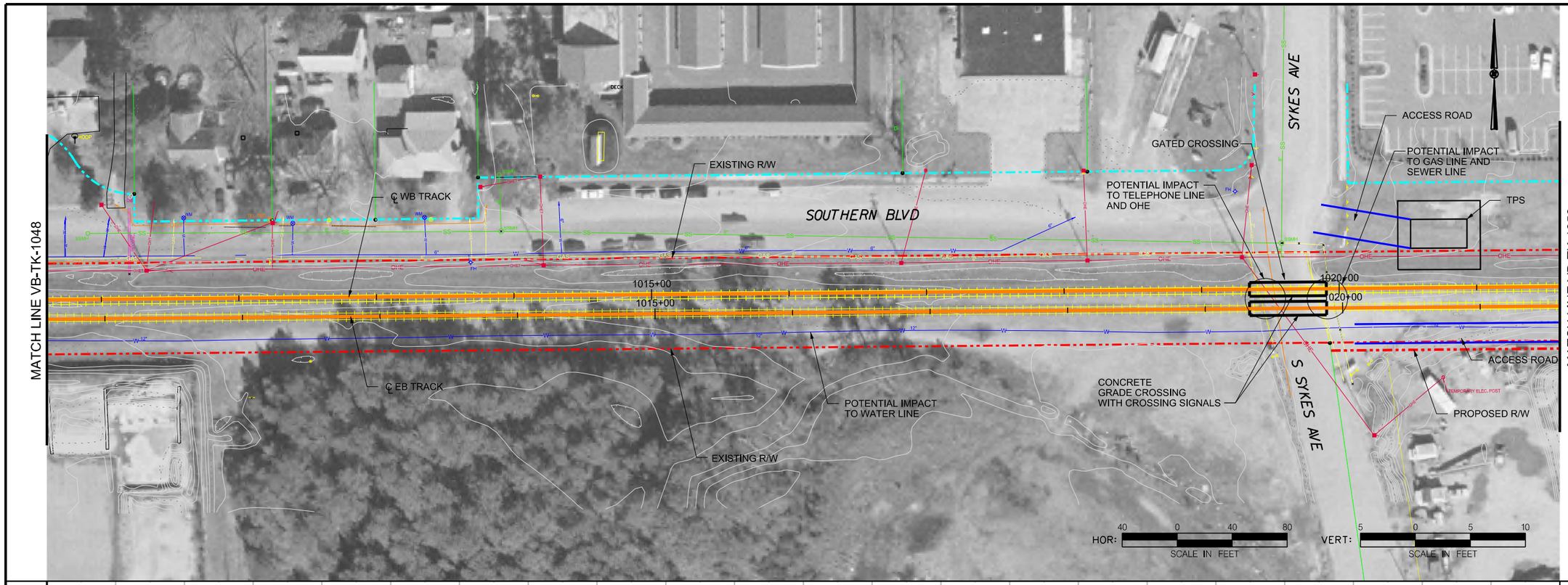

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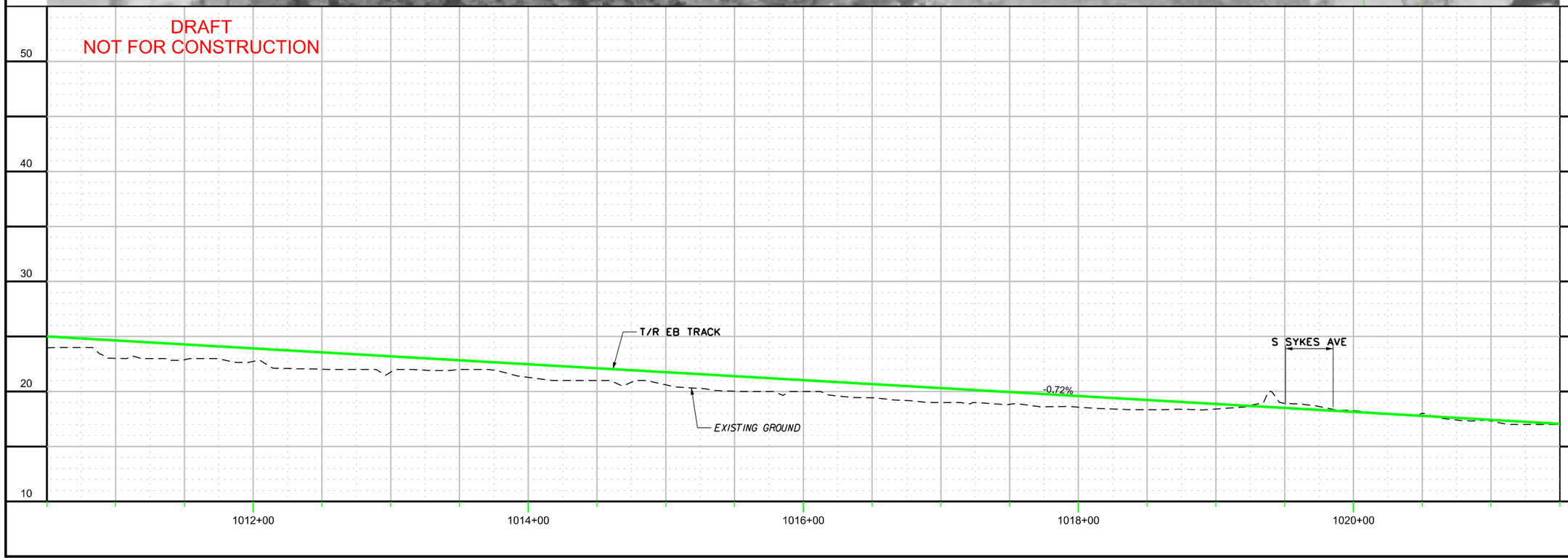
NOT FOR CONSTRUCTION



CONTRACT NO.	DRAWING NO.	OF
	VB-TK-1049	

TRACK PLAN / PROFILE
SHEET 49 OF 52

DRAFT

DESIGN	DRAWN	CHCK	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

8:47:46 AM

8/30/2013

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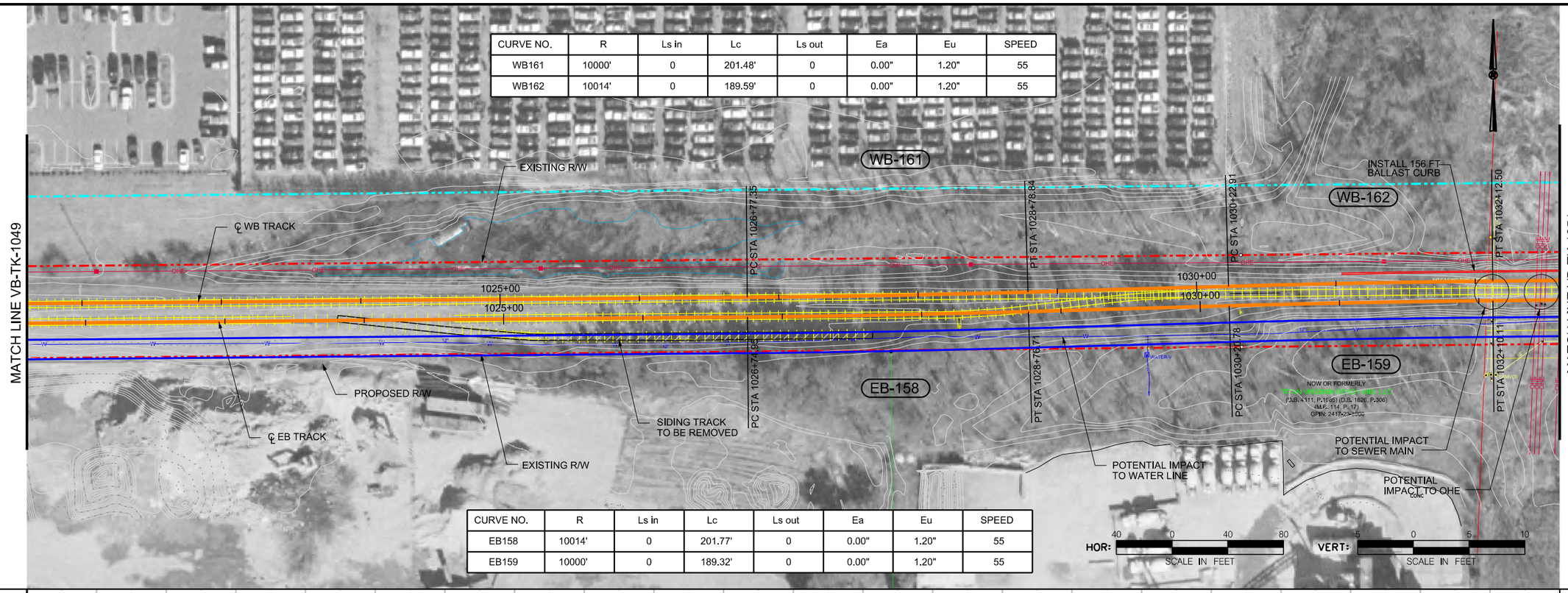
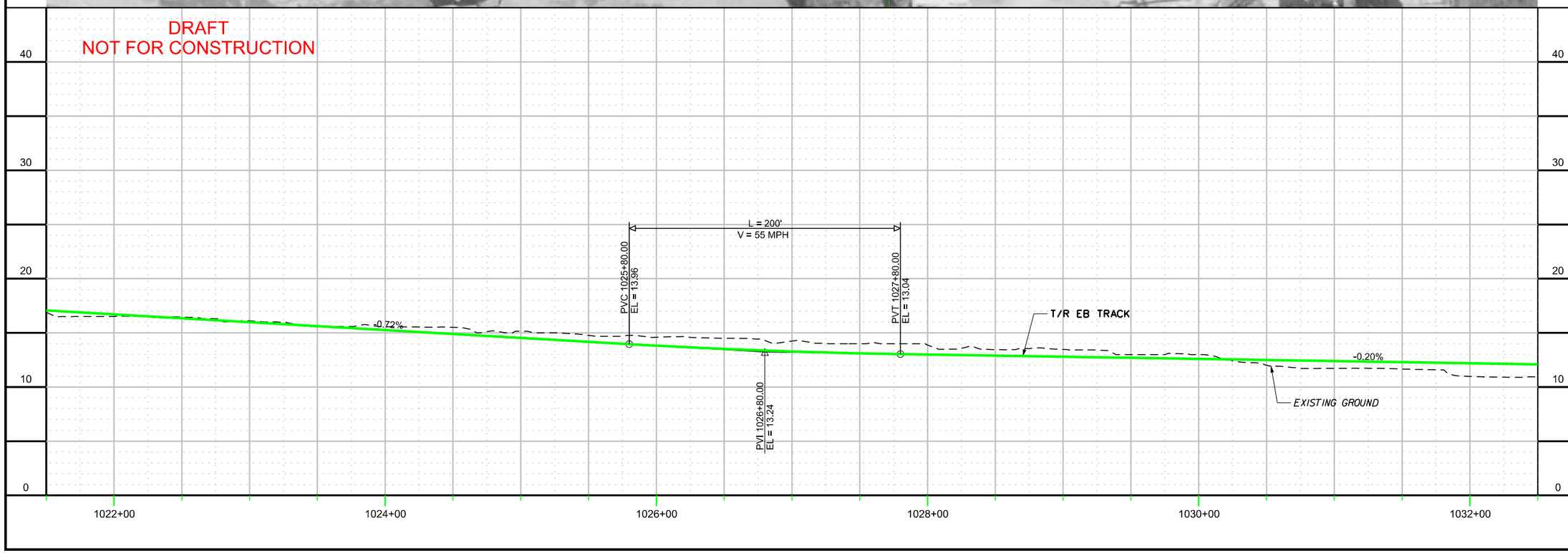
CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
WB161	10000'	0	201.48'	0	0.00"	1.20"	55
WB162	10014'	0	189.59'	0	0.00"	1.20"	55



CURVE NO.	R	Ls in	Lc	Ls out	Ea	Eu	SPEED
EB158	10014'	0	201.77'	0	0.00"	1.20"	55
EB159	10000'	0	189.32'	0	0.00"	1.20"	55



CONTRACT NO.

DRAWING NO. VB-TK-1050

OF

TRACK PLAN / PROFILE
SHEET 50 OF 52

DRAFT

DESIGN SAB	DRAWN SAB	CHCK KVL	APPR
DATE	DATE	DATE	DATE

NO.	REVISION DESCRIPTION	BY	DATE

PLANS PREPARED BY: HDR

VIRGINIA BEACH TRANSIT EXTENSION STUDY