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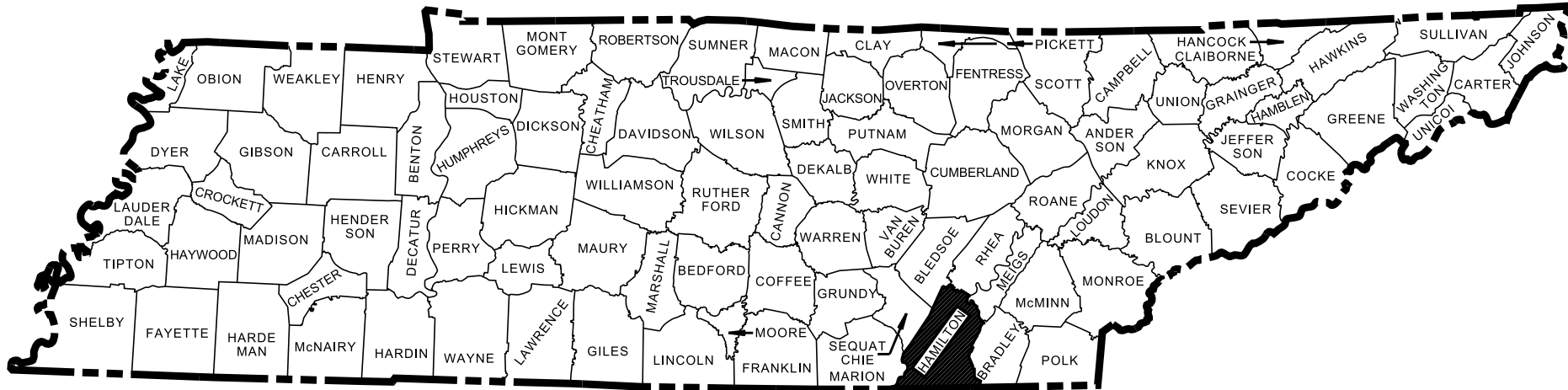
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

HAMILTON COUNTY

INTERSTATE 75,
INTERCHANGE AT
INTERSTATE 24

FUNCTIONAL PLANS - PHASE 1

STATE HIGHWAY NO. I-75 F.A.H.S. NO. I-75



PROJECT LOCATION

NO EQUATIONS

NO EXCLUSIONS

CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

33005-1185-44
END PROJECT NO. IM/NH-75-1(131) FUNCTIONAL
STA. 443+85.00 INTERSTATE 75
N 247594.2462 E 2210778.1747

LIMIT OF WORK
INTERSTATE 24
N 245259.7761 E 2202212.6559

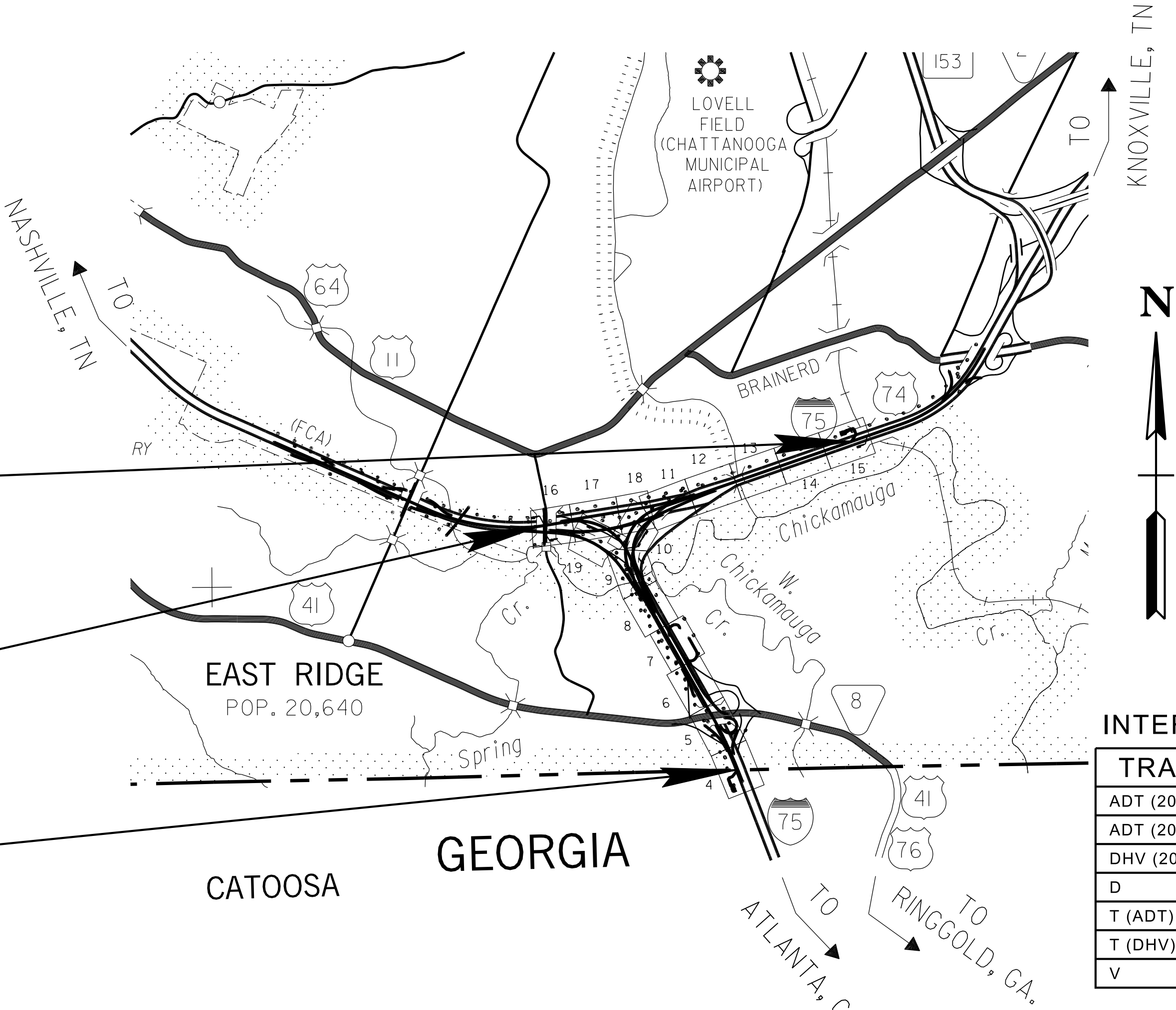
44330-1185-44
BEGIN PROJECT NO. IM/NH-75-1(131) FUNCTIONAL
STA. 303+51.97 INTERSTATE 75
N 238539.1748 E 2207642.6817

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT C.E. MANAGER 1 OR
TDOT TRANSPORTATION MANAGER 1 : _____
DESIGNED BY : NEEL-SCHAFFER, INC. _____
DESIGNER : _____ CHECKED BY _____
P.E. NO. 44330-1185-44 (NEPA) _____
PIN NO. 114174.00 _____



SCALE: 1"= 1/2 MILE



INTERSTATE 24

TRAFFIC DATA

ADT (2021)	118410
ADT (2041)	146100
DHV (2041)	13465
D	50 - 50
T (ADT)	18 %
T (DHV)	12 %
V	60 MPH

INTERSTATE 75

SURVEY 09-05-17	TRAFFIC DATA
	ADT (2019) 101260
	ADT (2039) 127360
	DHV (2039) 12067
	D 53 - 47
	T (ADT) 18 %
	T (DHV) 12 %
	V 60 MPH

STATE PLANE COORDINATES ARE BASED ON GPS MEASUREMENTS
OBTAINED - - USING GEOID MODEL AND DATUM
ADJUSTMENT FACTOR OF 0.99998

APPROVED:
PAUL D. DEGGES, CHIEF ENGINEER

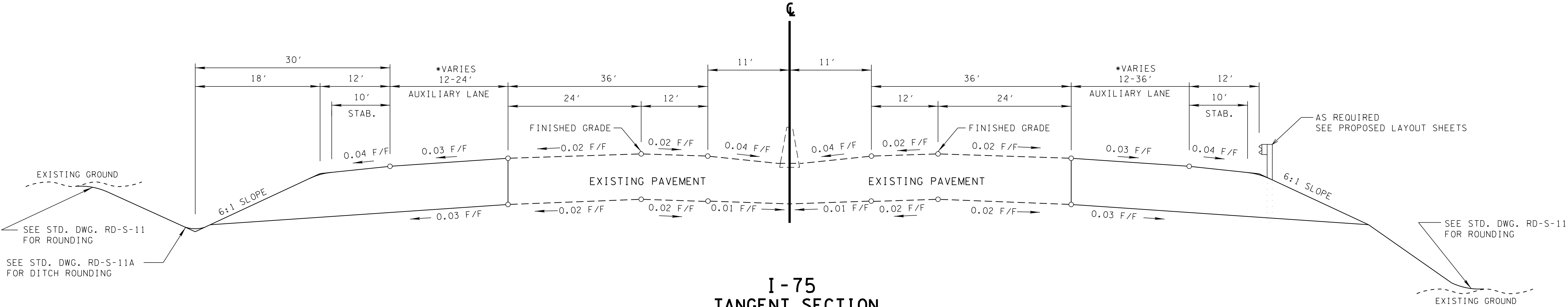
DATE: _____

APPROVED:
JOHN SCHROER, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: _____
DIVISION ADMINISTRATOR DATE

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	2A



I - 75
TANGENT SECTION

STA. 406+62.00 TO STA. 443+85.00
*SEE PROPOSED LAYOUT SHEETS
FOR LANE TAPERS

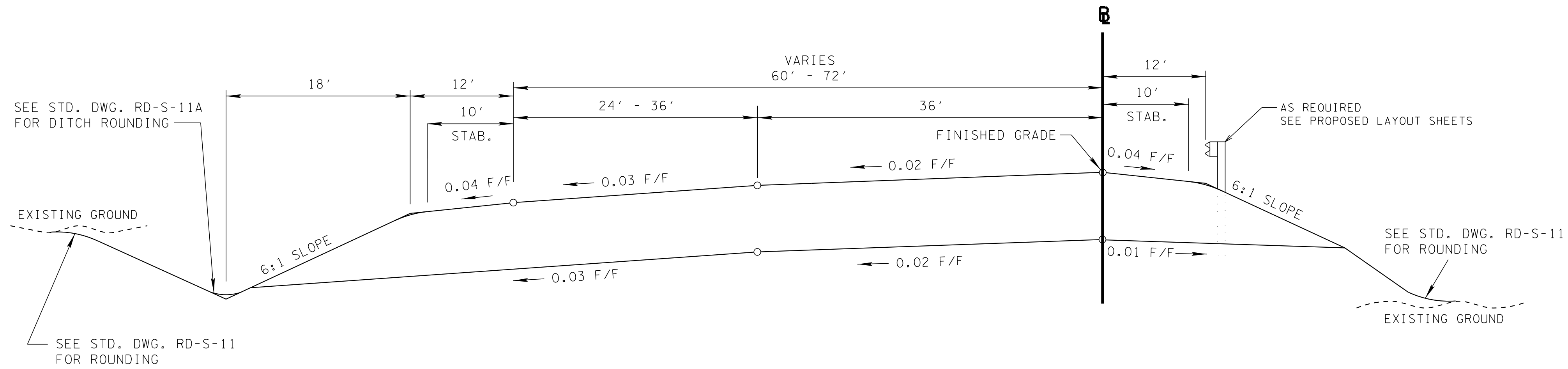
CAUTION !
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PLANS
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CHANGE

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

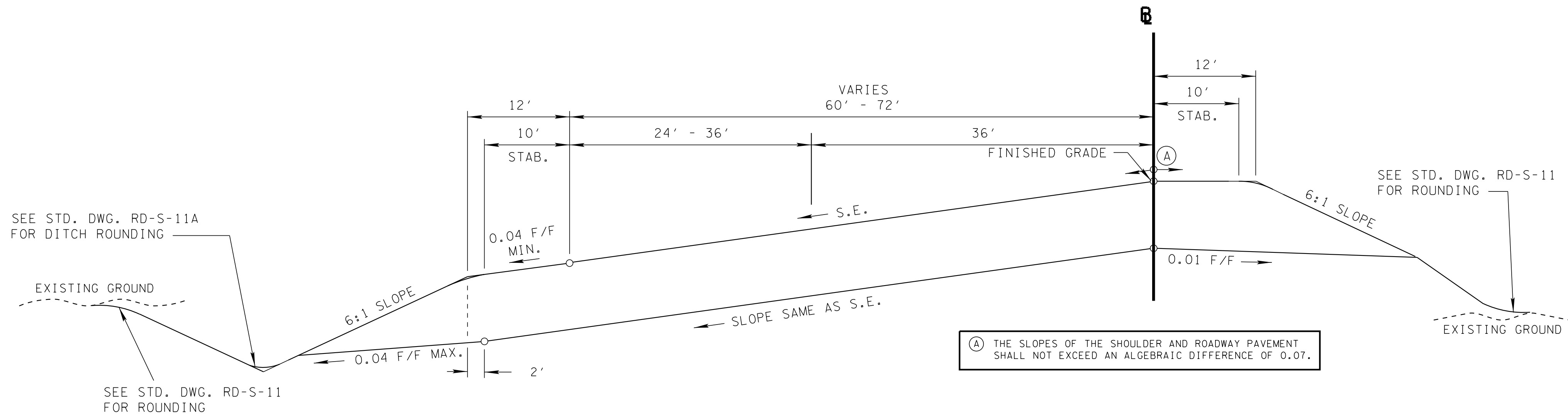
TYPICAL
SECTIONS

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	2A1



I-75 NORTHBOUND TO I-24 WESTBOUND TANGENT SECTIONS

STA. 209+24.64 TO STA. 213+18.10
STA. 240+14.34 TO STA. 244+67.57



I-75 NORTHBOUND TO I-24 WESTBOUND SUPERELEVATED SECTIONS

STA. 208+51.75 TO STA. 209+24.64
STA. 213+18.10 TO STA. 240+14.34
STA. 244+67.57 TO STA. 254+22.50

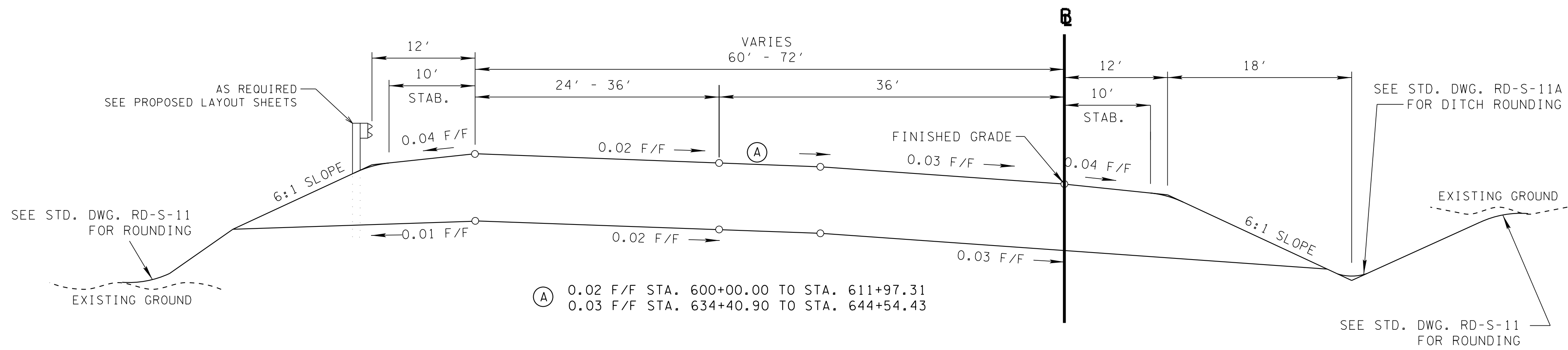
**CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE**

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

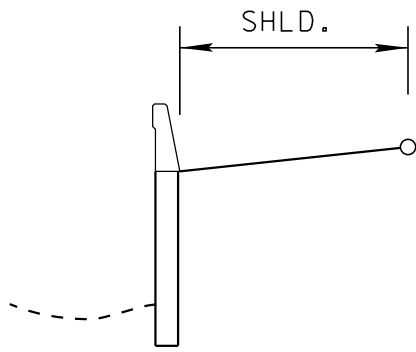
TYPICAL
SECTIONS

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	2A2



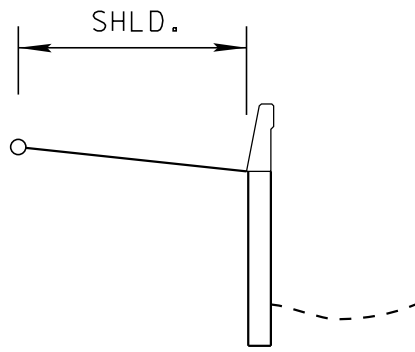
**I-24 EASTBOUND TO I-75 SOUTHBOUND
TANGENT SECTIONS**

STA. 608+49.60 TO STA. 611+97.31
STA. 634+40.90 TO STA. 644+54.43



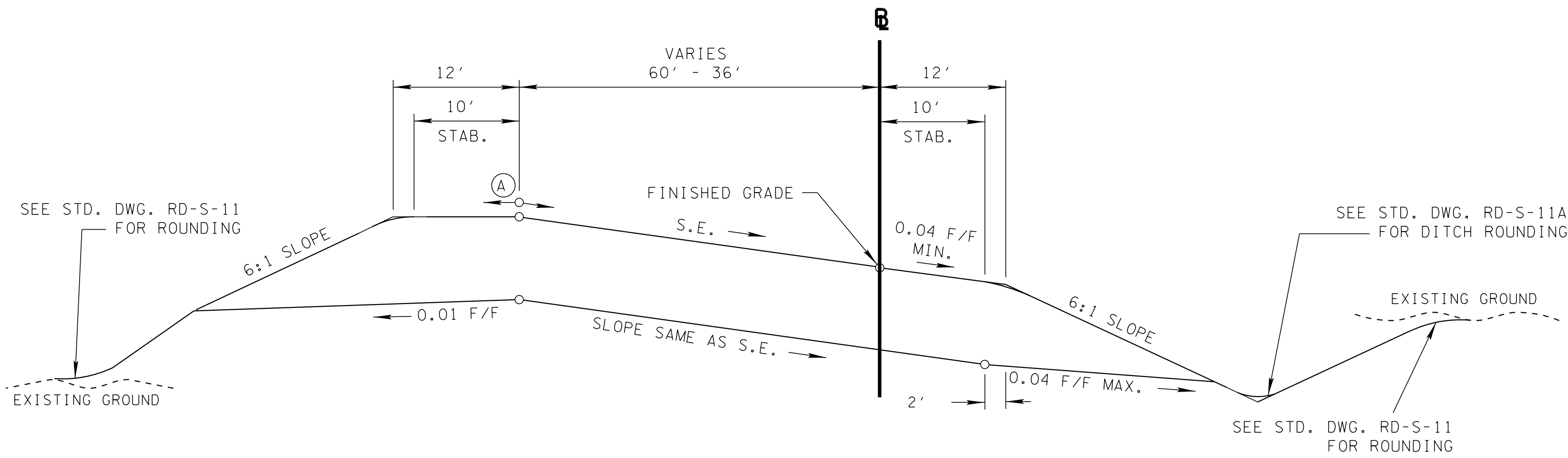
PROP. RET. WALL

STA. 609+00.00 TO STA. 610+00.00



PROP. RET. WALL

STA. 609+00.00 TO STA. 610+06.00
STA. 635+93.37 TO STA. 643+60.00



**I-24 EASTBOUND TO I-75 SOUTHBOUND
SUPERELEVATED SECTIONS**

STA. 611+97.31 TO STA. 634+40.90

(A) THE SLOPES OF THE SHOULDER AND ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.

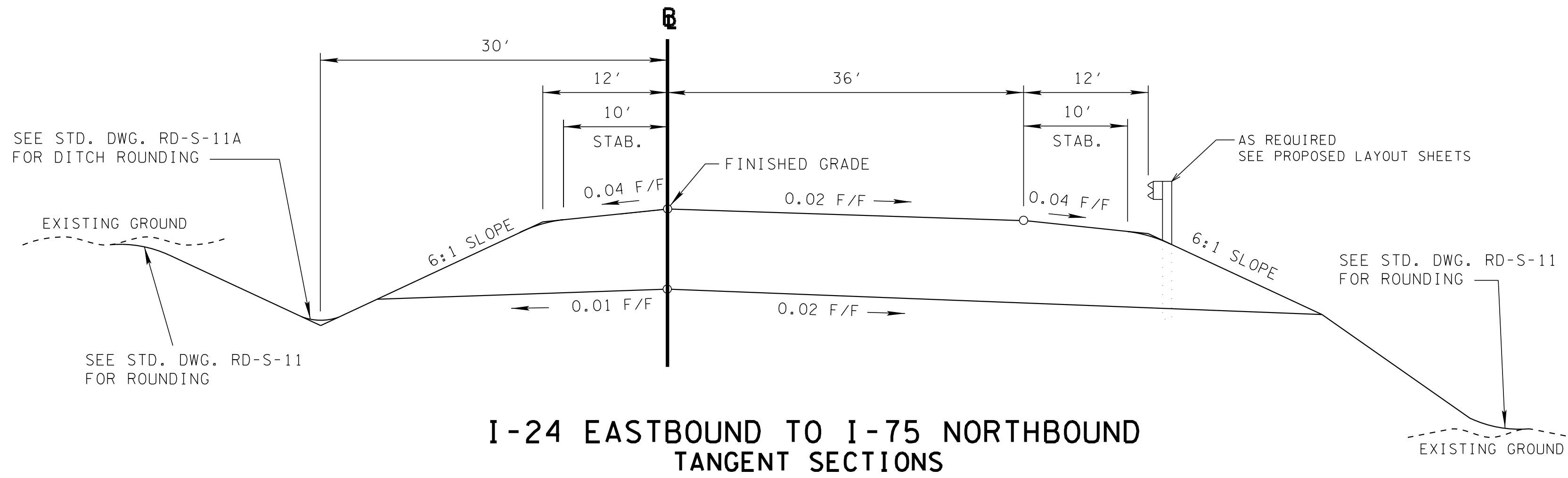
**CAUTION !
FUNCTIONAL
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SUBJECT TO
CHANGE**

SEALED BY

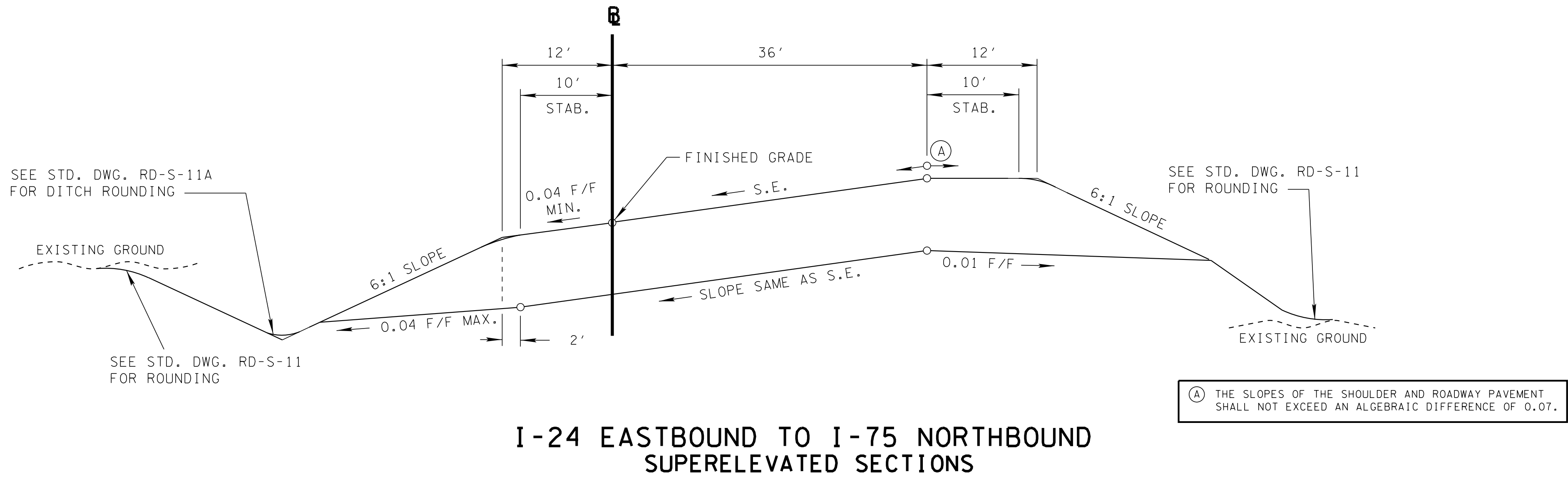
**STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION**

**TYPICAL
SECTIONS**

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	2A3



STA. 900+00.00 TO STA. 902+08.76
STA. 933+60.42 TO STA. 947+81.27



STA. 902+08.76 TO STA. 933+60.42

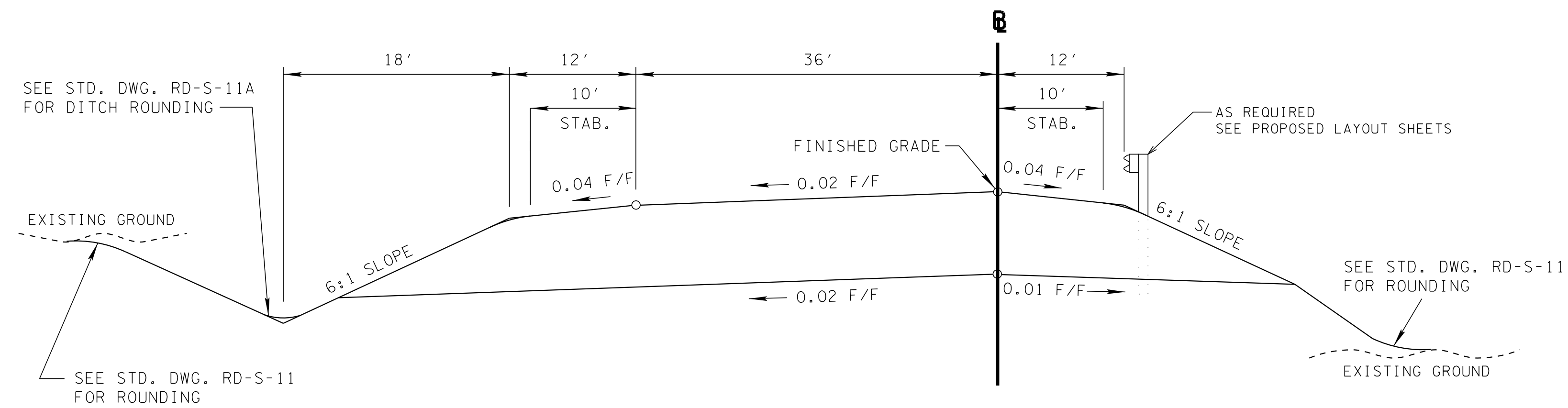
**CAUTION !
FUNCTIONAL
PLANS
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CHANGE**

SEALED BY

**STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION**

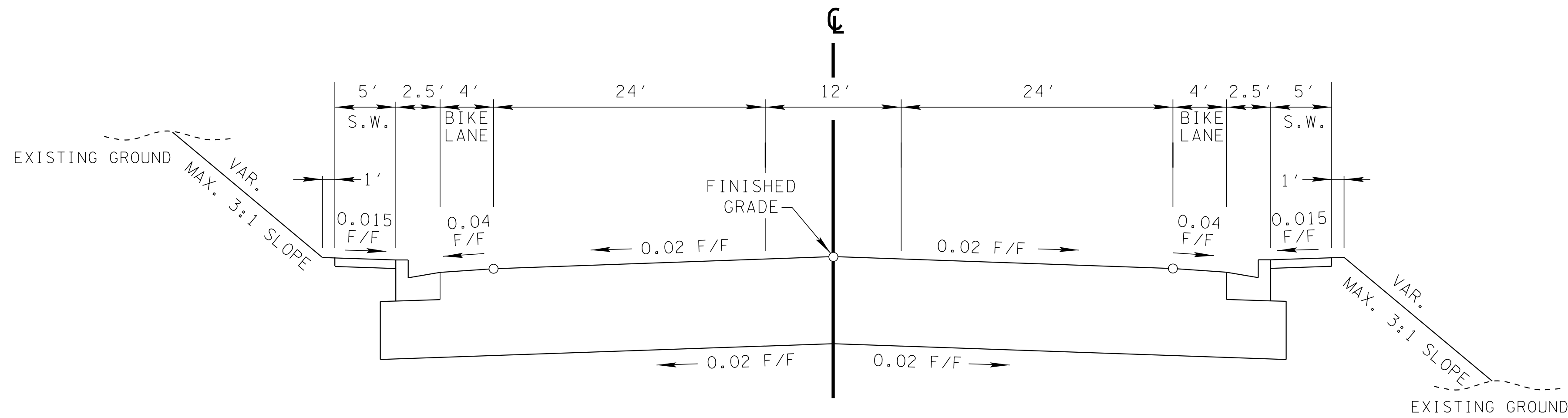
**TYPICAL
SECTIONS**

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	2A4



I-75 SOUTHBOUND TO I-24 WESTBOUND
TANGENT SECTIONS

STA. 800+00.00 TO STA. 837+62.00



TANGENT SECTION

SPRING CREEK ROAD
STA. 31+02.00 TO STA. 39+52.00

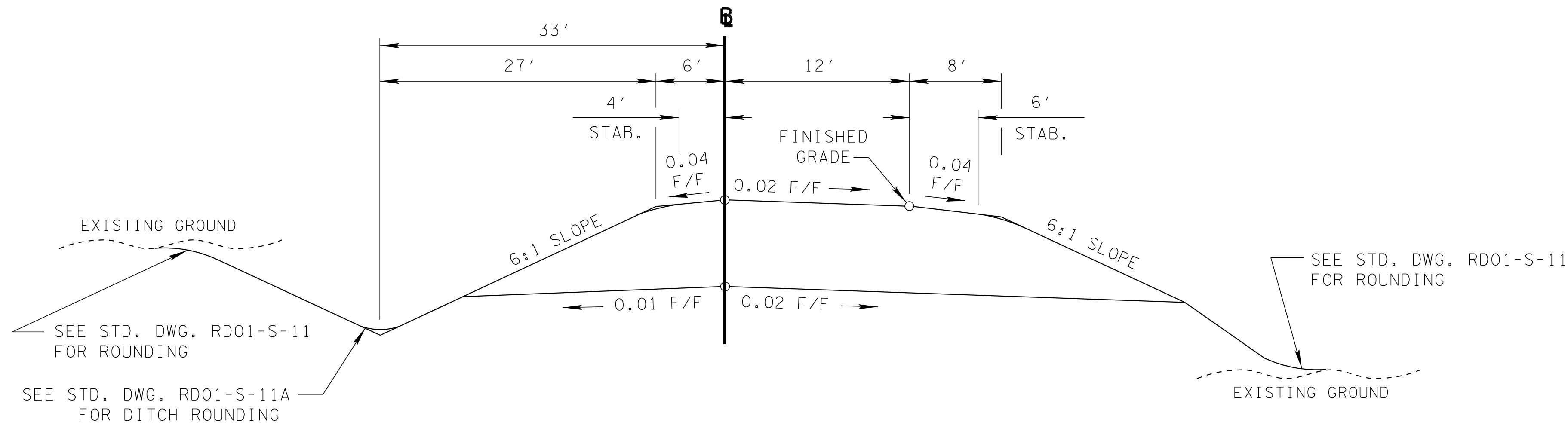
CAUTION !
FUNCTIONAL
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SUBJECT TO
CHANGE

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TYPICAL
SECTIONS

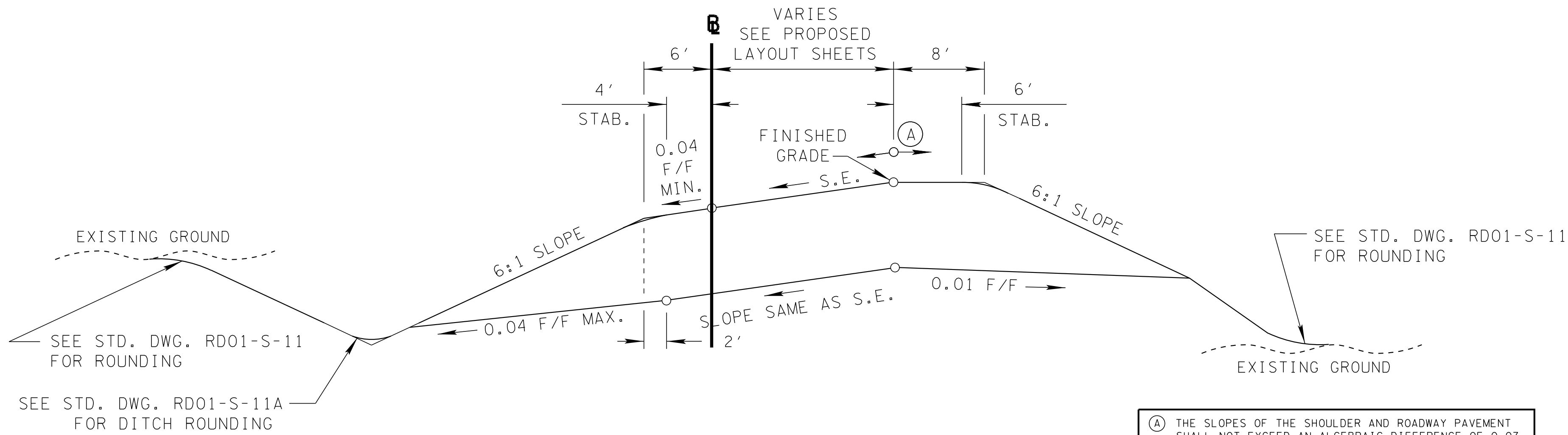
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	2A5



TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-4)

RAMP C
RINGOLD RD. EB TO I-75 NB. ON RAMP
STA. 2210+59.69 TO STA. 2211+13.46



SUPERELEVATED SECTION

(BASED ON STD. DWG. RD01-TS-4)

RAMP A
I-75 NB OFF RAMP TO RINGOLD RD. EB.
STA. 2000+00.00 TO STA. 2002+81.54

RAMP B
RINGOLD RD. EB TO I-75 SB. ON RAMP
STA. 2106+11.97 TO STA. 2109+57.08

RAMP C
RINGOLD RD. EB TO I-75 NB. ON RAMP
STA. 2208+13.72 TO STA. 2210+59.69

RAMP E
I-75 SB OFF RAMP TO RINGOLD RD.
STA. 2400+00.00 TO STA. 2407.+88.57

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

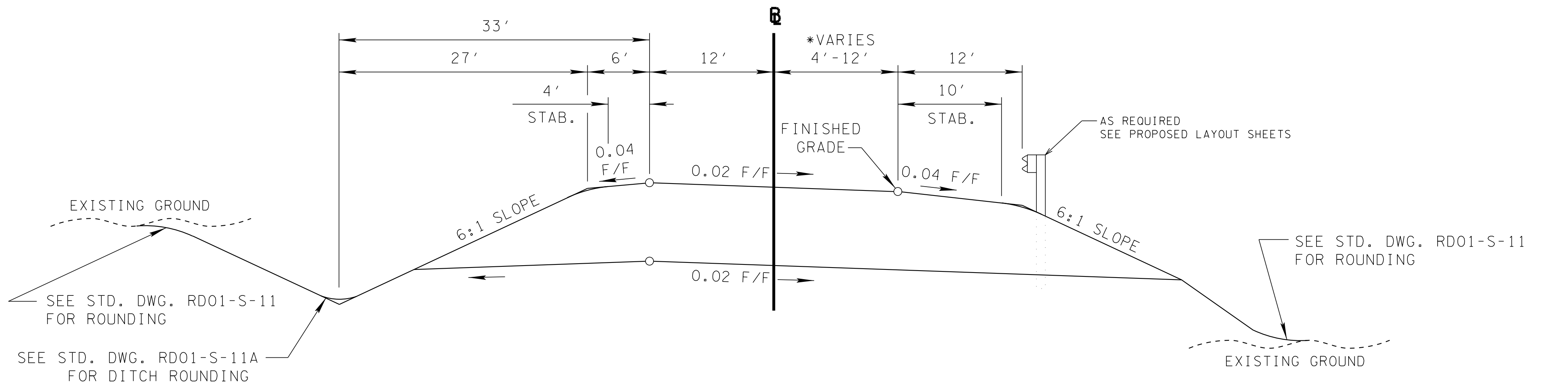
SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TYPICAL
SECTIONS

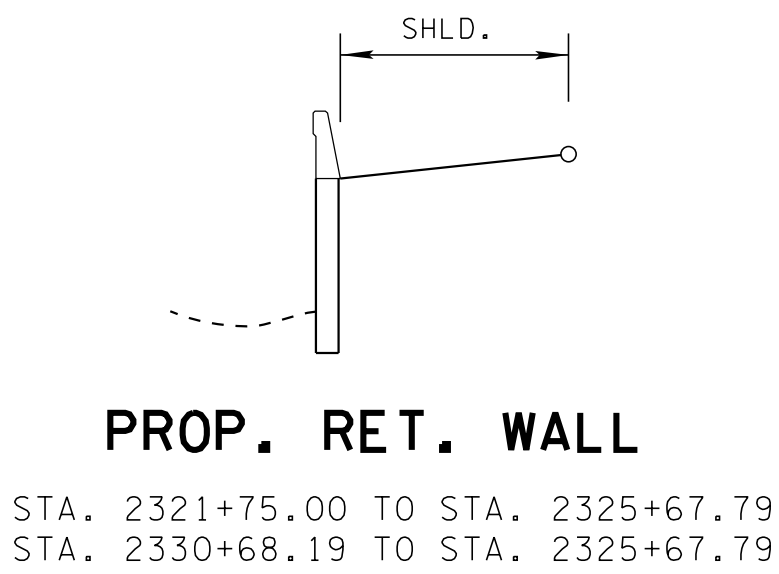
(A) THE SLOPES OF THE SHOULDER AND ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	2A6

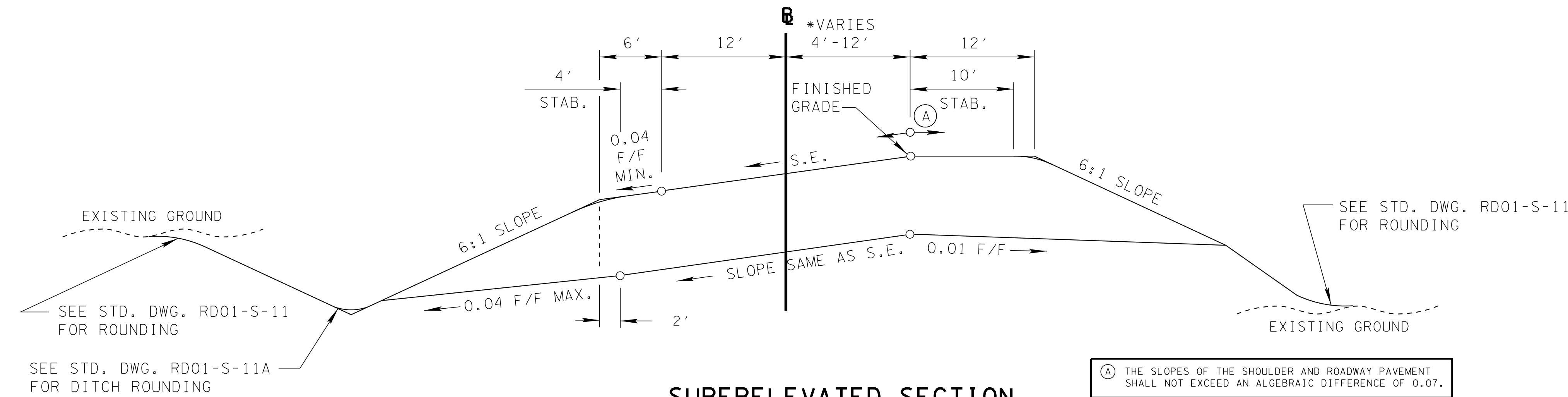
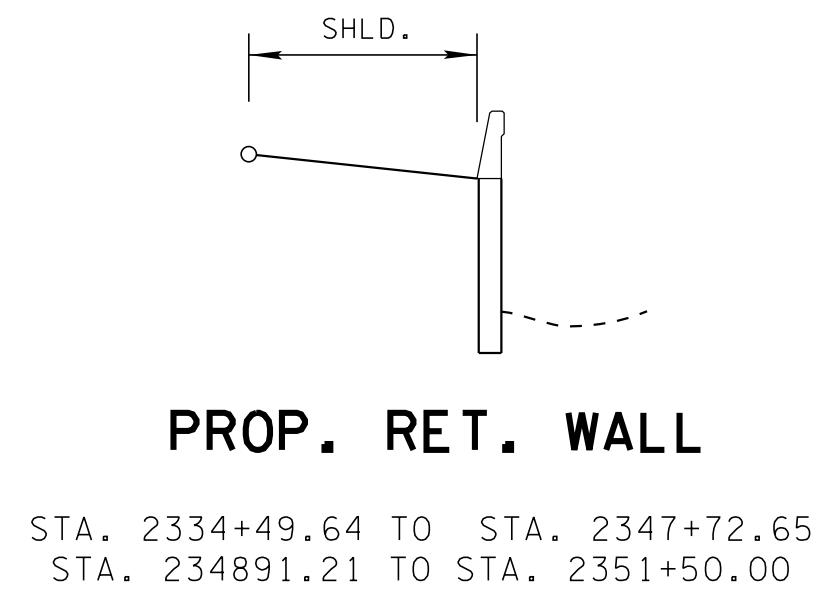


TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-4)



RAMP D
STA. 2305+88.00 TO STA. 2307+03.66
STA. 2310+90.98 TO STA. 2333+37.15
STA. 2339+26.01 TO STA. 2348+42.17
STA. 2365+06.77 TO STA. 2367+13.24



SUPERELEVATED SECTION

(BASED ON STD. DWG. RD01-TS-4)

RAMP D
STA. 2307+03.66 TO STA. 2310+90.98
STA. 2333+37.15 TO STA. 2339+26.01
STA. 2348+42.17 TO STA. 2365+06.77

* SEE PROPOSED LAYOUT SHEETS FOR LANE TAPERS

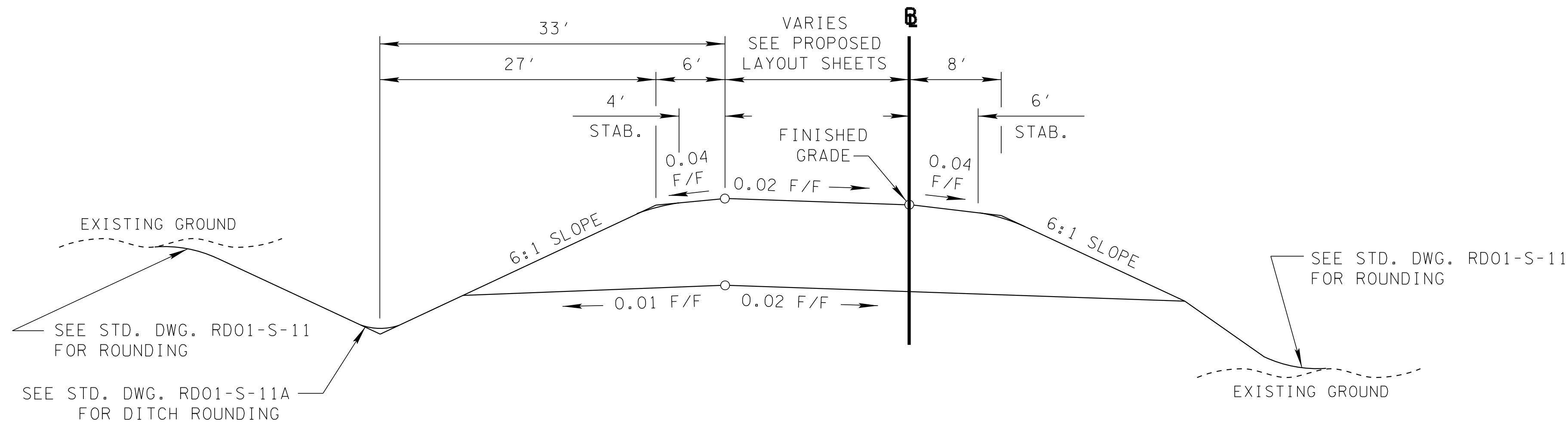
**CAUTION !
FUNCTIONAL
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CHANGE**

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

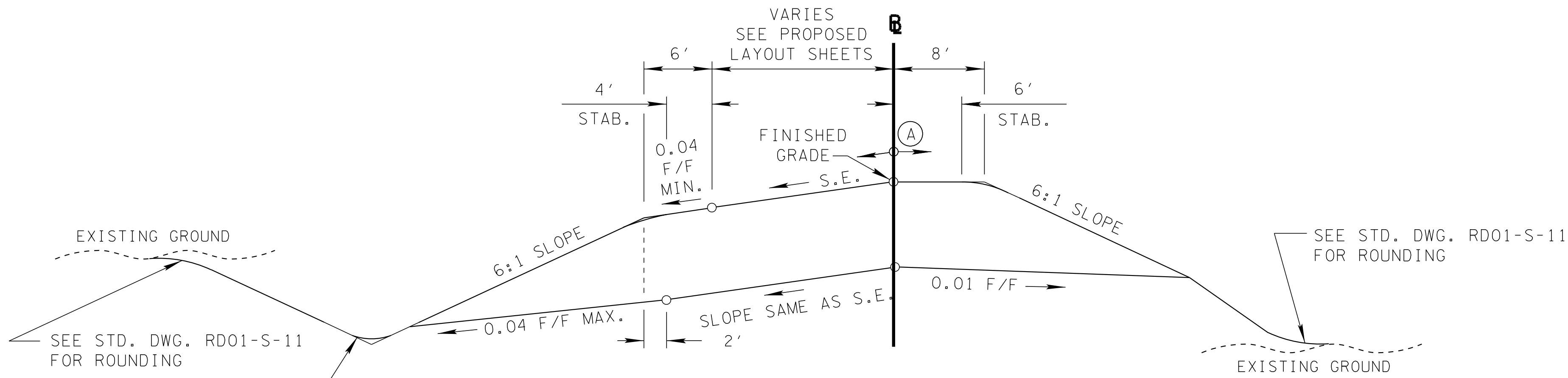
TYPICAL
SECTIONS

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	2A7



TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-4)

RAMP F
WELCOME CENTER ON RAMP TO I-75 NB
STA. 2501+21.66 TO STA. 2503+76.17
STA. 2510+37.75 TO STA. 2510+93.98



SUPERELEVATED SECTION
(BASED ON STD. DWG. RD01-TS-4)

RAMP F
WELCOME CENTER ON RAMP TO I-75 NB
STA. 2503+76.17 TO STA. 2510+37.75

RAMP G
OFF RAMP I-75 NB TO WELCOME CENTER
STA. 2600+00.00 TO STA. 2603+98.93

RAMP H
RAMP D TO I-75 NB/I-24 WB
STA. 2700+00.00 TO STA. 2707+26.65

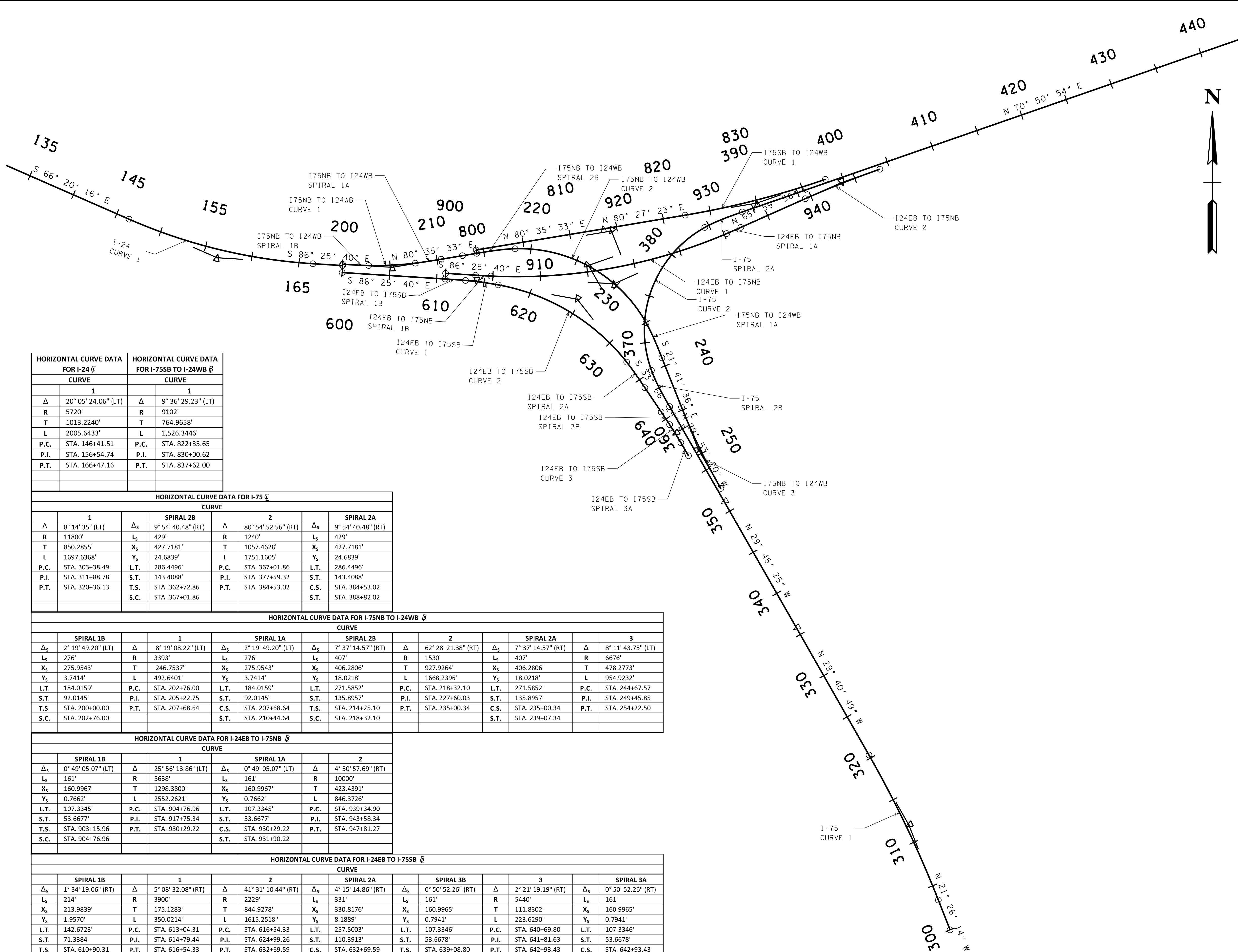
**CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE**

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TYPICAL
SECTIONS

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	2B



HORIZONTAL CURVE DATA FOR I-24 ¢				HORIZONTAL CURVE DATA FOR I-75SB TO I-24WB ¢			
CURVE				CURVE			
1				1			
Δ	20° 05' 24.06" (LT)	Δ	9° 36' 29.23" (LT)	Δ	9° 36' 29.23" (LT)	Δ	9° 36' 29.23" (LT)
R	5720'	R	9102'	R	9102'	R	9102'
T	1013.2240'	T	764.9658'	T	764.9658'	T	764.9658'
L	2005.6433'	L	1,526.3446'	L	1,526.3446'	L	1,526.3446'
P.C.	STA. 146+41.51	P.C.	STA. 822+35.65	P.C.	STA. 822+35.65	P.C.	STA. 822+35.65
P.I.	STA. 156+54.74	P.I.	STA. 830+00.62	P.I.	STA. 830+00.62	P.I.	STA. 830+00.62
P.T.	STA. 166+47.16	P.T.	STA. 837+62.00	P.T.	STA. 837+62.00	P.T.	STA. 837+62.00

HORIZONTAL CURVE DATA FOR I-75 ¢							
CURVE							
1							
Δ	8° 14' 35" (LT)	Δ _s	9° 54' 40.48" (RT)	Δ	80° 54' 52.56" (RT)	Δ _s	9° 54' 40.48" (RT)
R	11800'	L _s	429'	R	1240'	L _s	429'
T	850.2855'	X _s	427.7181'	T	1057.4628'	X _s	427.7181'
L	1697.6368'	Y _s	24.6839'	L	1751.1605'	Y _s	24.6839'
P.C.	STA. 303+38.49	L.T.	286.4496'	P.C.	STA. 367+01.86	L.T.	286.4496'
P.I.	STA. 311+88.78	T.S.	143.4088'	P.I.	STA. 377+59.32	T.S.	143.4088'
P.T.	STA. 320+36.13	T.S.	STA. 362+72.86	P.T.	STA. 384+53.02	C.S.	STA. 384+53.02
		S.C.	STA. 367+01.86			S.T.	STA. 388+82.02

HORIZONTAL CURVE DATA FOR I-75NB TO I-24WB ¢											
CURVE											
1											
Δ _s	2° 19' 49.20" (LT)	Δ	8° 19' 08.22" (LT)	Δ _s	2° 19' 49.20" (LT)	Δ _s	7° 37' 14.57" (RT)	Δ	62° 28' 21.38" (RT)	Δ _s	7° 37' 14.57" (RT)
L _s	276'	R	3393'	L _s	276'	L _s	407'	R	1530'	L _s	407'
X _s	275.9543'	T	246.7537'	X _s	275.9543'	X _s	406.2806'	T	927.9264'	X _s	406.2806'
Y _s	3.7414'	L	492.6401'	Y _s	3.7414'	Y _s	18.0218'	L	1668.2396'	Y _s	18.0218'
L.T.	184.0159'	P.C.	STA. 202+76.00	L.T.	184.0159'	L.T.	271.5852'	P.C.	STA. 218+32.10	L.T.	271.5852'
S.T.	92.0145'	P.I.	STA. 205+22.75	S.T.	92.0145'	S.T.	135.8957'	P.I.	STA. 227+60.03	S.T.	135.8957'
T.S.	STA. 200+00.00	P.T.	STA. 207+68.64	C.S.	STA. 207+68.64	T.S.	STA. 214+25.10	P.T.	STA. 235+00.34	C.S.	STA. 235+00.34
S.C.	STA. 202+76.00			S.C.	STA. 210+44.64	S.C.	STA. 218+32.10			S.T.	STA. 239+07.34

HORIZONTAL CURVE DATA FOR I-24EB TO I-75NB ¢							
CURVE							
1							
Δ _s	0° 49' 05.07" (LT)	Δ	25° 56' 13.86" (LT)	Δ _s	0° 49' 05.07" (LT)	Δ	4° 50' 57.69" (RT)
L _s	161'	R	5638'	L _s	161'	R	10000'
X _s	160.9967'	T	1298.3800'	X _s	160.9967'	T	423.4391'
Y _s	0.7662'	L	2552.2621'	Y _s	0.7662'	L	846.3726'
L.T.	107.3345'	P.C.	STA. 904+76.96	L.T.	107.3345'	P.C.	STA. 939+34.90
S.T.	53.6677'	P.I.	STA. 917+75.34	S.T.	53.6677'	P.I.	STA. 943+58.34
T.S.	STA. 903+15.96	P.T.	STA. 930+29.22	C.S.	STA. 930+29.22	P.T.	STA. 947+81.27
S.C.	STA. 904+76.96			S.T.	STA. 931+90.22		

HORIZONTAL CURVE DATA FOR I-24EB TO I-75SB ¢											
CURVE											
1											
Δ _s	1° 34' 19.06" (RT)	Δ	5° 08' 32.08" (RT)	Δ	41° 31' 10.44" (RT)	Δ _s	4° 15' 14.86" (RT)	Δ _s	0° 50' 52.26" (RT)	Δ	2° 21' 19.19" (RT)
L _s	214'	R	3900'	R	2229'	L _s	331'	L _s	161'	R	5440'
X _s	213.9839'	T	175.1283'	T	844.9278'	X _s	330.8176'	X _s	160.9965'	T	111.8302'
Y _s	1.9570'	L	350.0214'	L	1615.2518'	Y _s	8.1889'	Y _s	0.7941'	L	223.6290'
L.T.	142.6723'	P.C.	STA. 613+04.31	P.C.	STA. 616+54.33	L.T.	257.5003'	L.T.	107.3346'	P.C.	STA. 640+69.80
S.T.	71.3384'	P.I.	STA. 614+79.44	P.I.	STA. 624+99.26	S.T.	110.3913'	S.T.	53.6678'	P.I.	STA. 641+81.63
T.S.	STA. 610+90.31	P.T.	STA. 616+54.33	P.T.	STA. 632+69.59	C.S.	STA. 632+69.59	T.S.	STA. 639+08.80	P.T.	STA. 642+93.43
S.C.	STA. 613+04.31			S.T.	STA. 636+00.59	S.C.	STA. 640+69.80			S.T.	STA. 644+54.43

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

COORDINATES ARE NAD/83(1995),
ARE DATUM ADJUSTED BY THE
FACTOR OF 0.99998 AND TIED TO
THE TGRN. ALL ELEVATIONS ARE
REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

HORIZONTAL
CONTROL DATA

SCALE: 1"=500'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2018	IM/NH-75-1(131)	3

UTILITY OWNERS

- TELEPHONE: AT&T
300 EAST MARTIN LUTHER KING BLVD
CHATTANOOGA, TN 37403
CONTACT: ROGER FLOOD
EMAIL: rf7928@att.com
PHONE: 423-752-9133
- ELECTRIC: ELECTRIC POWER BOARD OF CHATTANOOGA
10 WEST MARTIN LUTHER KING BLVD
CHATTANOOGA, TN 37402
CONTACT: DAVID HENDERSON
EMAIL: hendersondc@epb.net
PHONE: 423-648-3257
- WATER: TN AMERICAN WATER
109 WIEHL STREET
CHATTANOOGA, TN 37403
CONTACT: KURT STAFFORD
EMAIL: kurt.stafford@amwater.com
PHONE: 423-771-4703
- SEWER: HAMILTON COUNTY W&WW TREATMENT AUTHORITY
1250 MARKET STREET, SUITE 3050
CHATTANOOGA, TN 37402
CONTACT: MARK HARRISON
EMAIL: markh@hamiltontn.gov
PHONE: 423-209-7842

CITY OF CHATTANOOGA, PUBLIC WORKS
1250 MARKET STREET
CHATTANOOGA, TN 37402
CONTACT: BILL PAYNE
EMAIL: payne_bill@mail.chattanooga.gov
PHONE: 423-643-6160
- GAS: CHATTANOOGA GAS
10 PEACHTREE PLACE
ATLANTA, GA 30309
CONTACT: TAWANNA HINES
EMAIL: tbhines@southernco.com
PHONE: 404-584-4461
- CATV: COMCAST/XFINITY
840 MARKET STREET
CHATTANOOGA, TN 37402
CONTACT:
EMAIL:
PHONE:
- PETROLEUM:KINDER-MORGAN/PLANTATION PIPELINE COMPANY
4720 BONNY OAKS DRIVE
CHATTANOOGA, TN 37416
CONTACT: MATTHEW TATE
EMAIL: matthew.tate@kindermorgan.com
PHONE: 678-326-6489

COLONIAL PIPELINE COMPANY
391 SCRUGGS ROAD
RINGGOLD, GA 30739
CONTACT: WALLY RYANS
EMAIL: wryans@colpipe.com
PHONE: 423-413-5549
CONTACT: KEVIN RALEY
EMAIL: krale@colpipe.com
PHONE: 423-421-3678

UTILITIES

- (1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.
- (2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR IT'S REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.
- (5) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106.

CAUTION !
PRELIMINARY
PLANS
SUBJECT TO
CHANGE

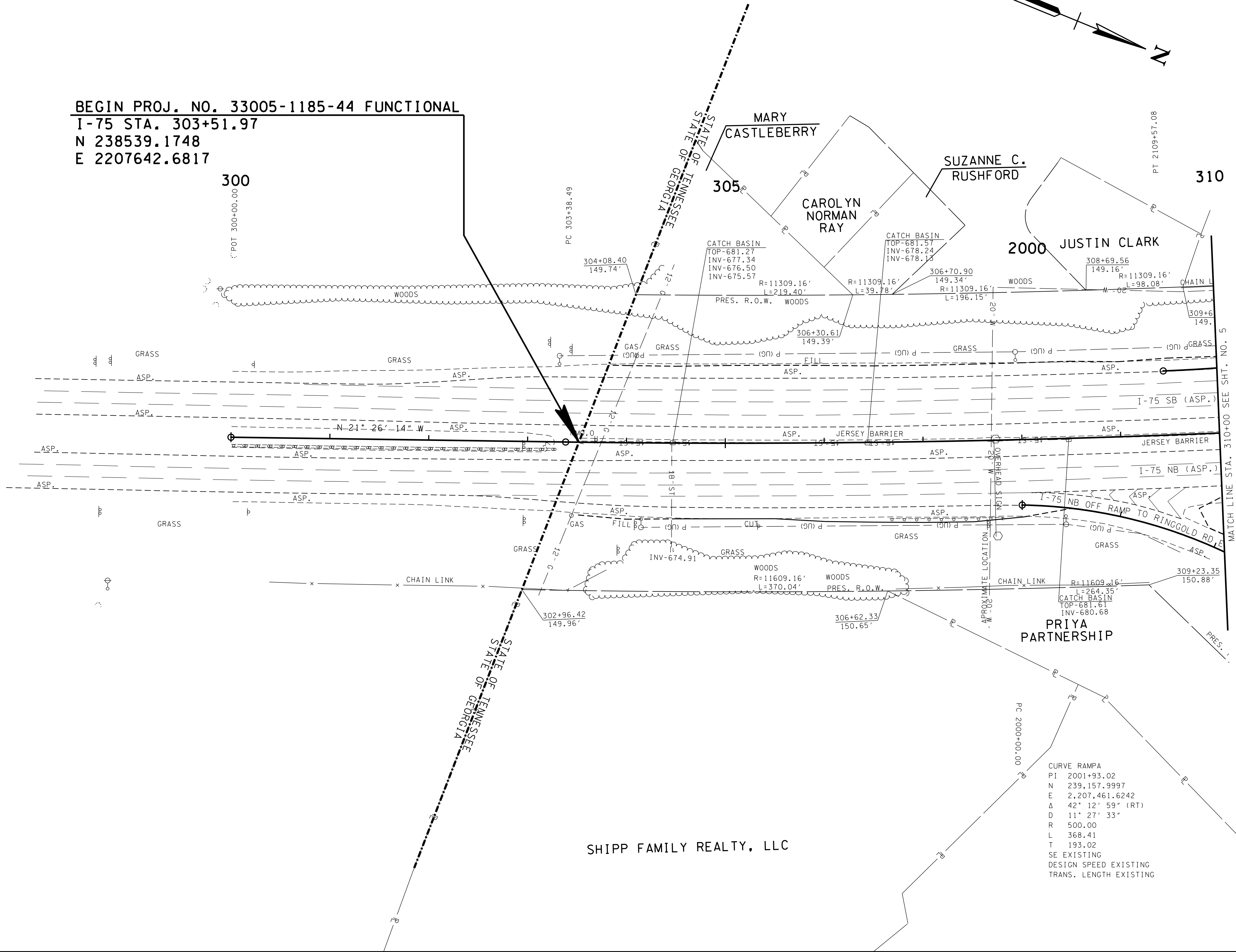
SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

UTILITY
OWNERS

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	4

BEGIN PROJ. NO. 33005-1185-44 FUNCTIONAL
I-75 STA. 303+51.97
N 238539.1748
E 2207642.6817



CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

COORDINATES ARE NAD/83(1995),
ARE DATUM ADJUSTED BY THE
FACTOR OF 0.99998 AND TIED TO
THE TGRN. ALL ELEVATIONS ARE
REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

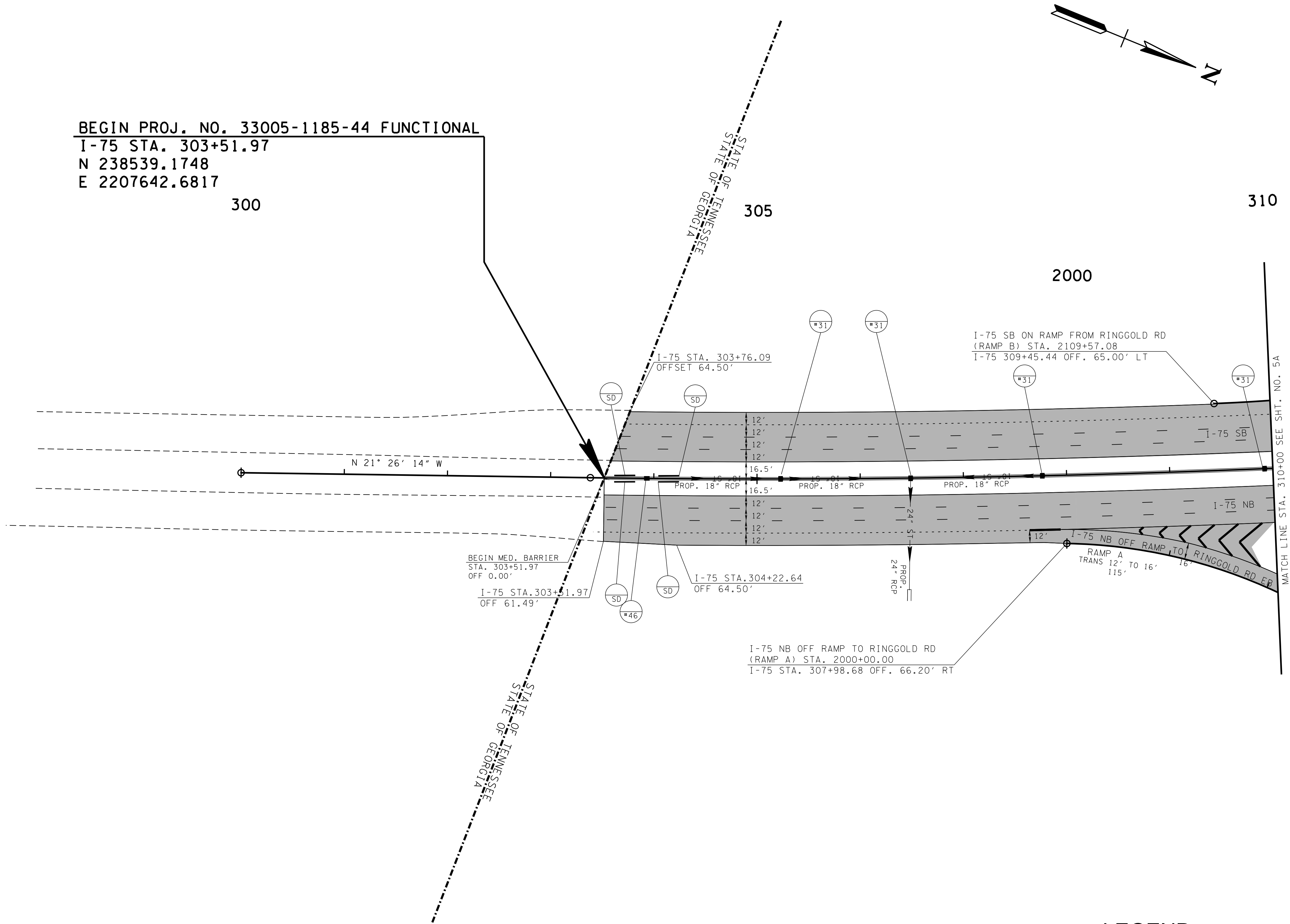
PRESENT
LAYOUT

STA. 300+00 TO STA. 310+00

SCALE: 1"= 50'

CURVE RAMPA
PI 2001+93.02
N 239,157.9997
E 2,207,461.6242
Δ 42° 12' 59" (RT)
D 11' 27' 33"
R 500.00
L 368.41
T 193.02
SE EXISTING
DESIGN SPEED EXISTING
TRANS. LENGTH EXISTING

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	4A



BEGIN PROJ. NO. 33005-1185-44 FUNCTIONAL
I-75 STA. 303+51.97
N 238539.1748
E 2207642.6817

300

305

310

2000

I-75 SB ON RAMP FROM RINGGOLD RD
(RAMP B) STA. 2109+57.08
I-75 309+45.44 OFF. 65.00' LT

I-75 STA. 303+76.09
OFFSET 64.50'

BEGIN MED. BARRIER
STA. 303+51.97
OFF 0.00'

I-75 STA. 303+51.97
OFF 61.49'

I-75 STA. 304+22.64
OFF 64.50'

I-75 NB OFF RAMP TO RINGGOLD RD
(RAMP A) STA. 2000+00.00
I-75 STA. 307+98.68 OFF. 66.20' RT

I-75 NB OFF RAMP TO RINGGOLD RD
TRANS 12' TO 16'
115' 16'

MATCH LINE STA. 310+00 SEE SHT. NO. 5A

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

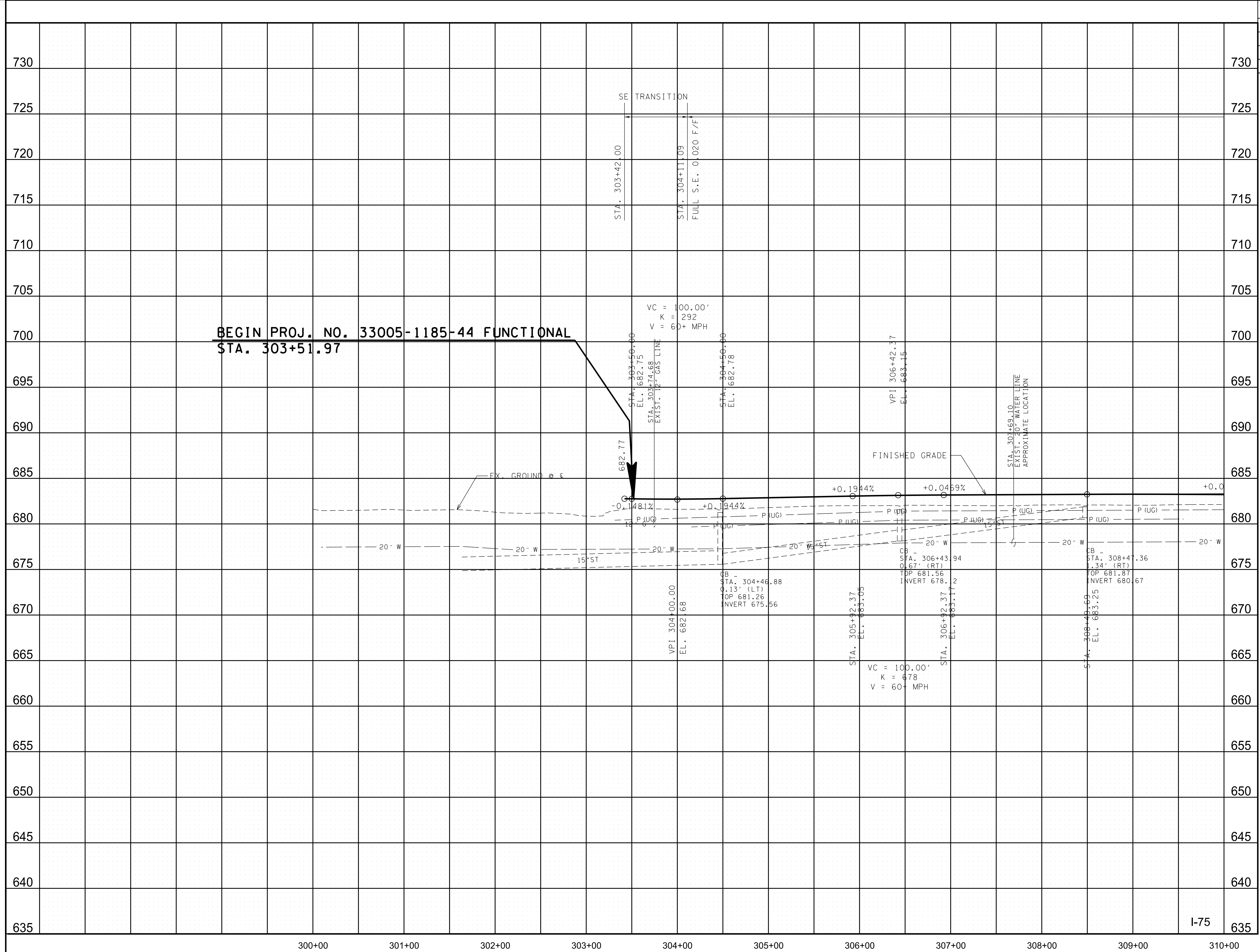
PROPOSED
LAYOUT

STA. 300+00 TO STA. 310+00

SCALE: 1"= 50'

LEGEND:
PROPOSED ASPHALT PAVEMENT

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	4B



**CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE**

SEALD BY

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**STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION**

PROFILE

STA 300+00 TO STA 310+00

SCALE: 1"= 50' HORIZ
1"= 5' VERT

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	5

EAST RIDGE ALF
REAL ESTATE INVESTORS, LLC

EAST RIDGE ILF
REAL ESTATE INVESTORS, LLC

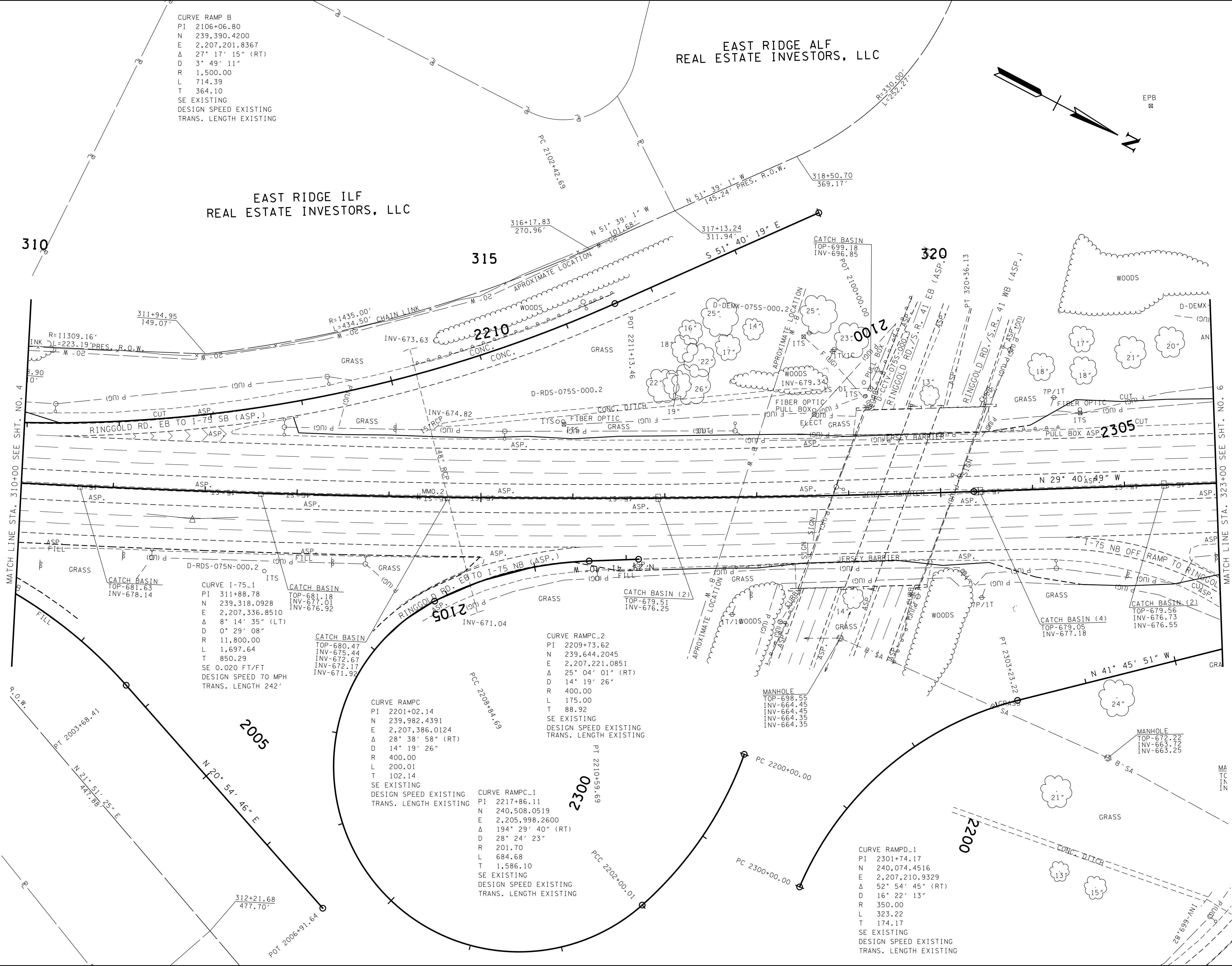
CURVE RAMP B
PI 2106+06.80
N 239,390.4200
E 2,207,201.8367
Δ 27° 17' 15" (RT)
D 3' 49' 11"
R 1,500.00
L 714.39
T 364.10
SE EXISTING
DESIGN SPEED EXISTING
TRANS. LENGTH EXISTING

310

315

320

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CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

COORDINATES ARE NAD/83(1995),
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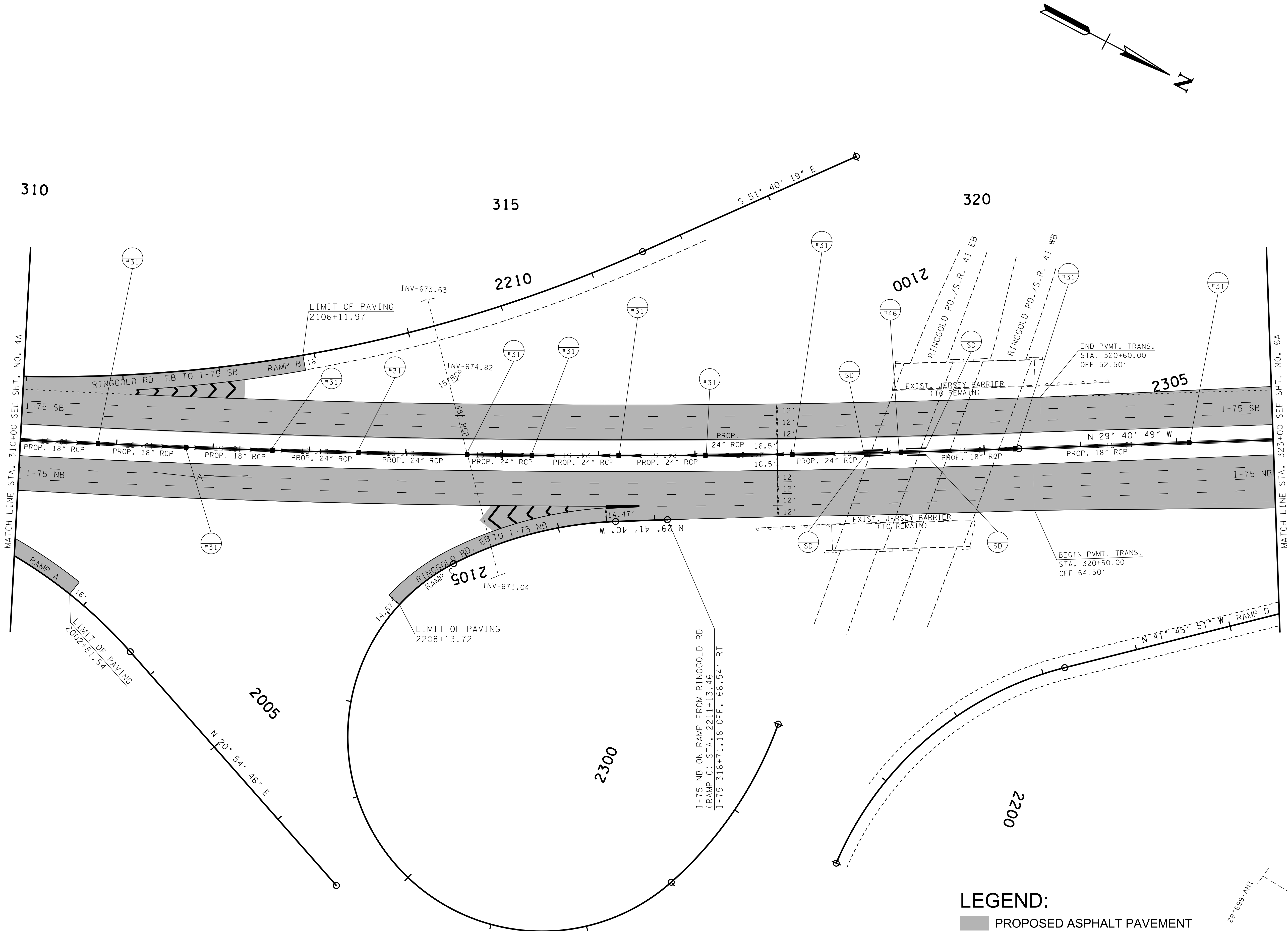
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PRESENT
LAYOUT

STA. 310+00 TO STA. 323+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	5A



CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

COORDINATES ARE NAD/83(1995),
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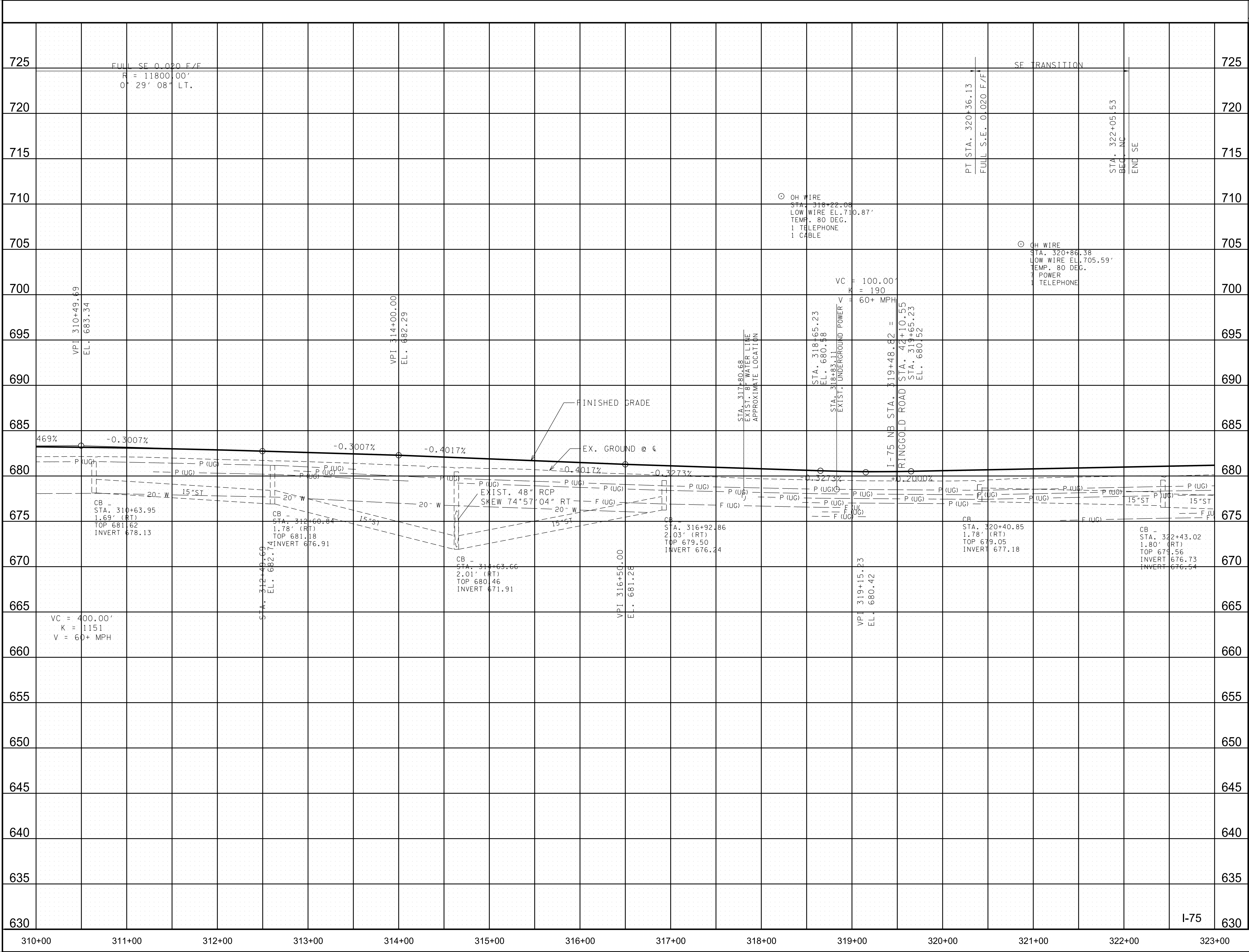
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
LAYOUT

STA. 310+00 TO STA. 323+00

SCALE: 1"= 50'

LEGEND:
PROPOSED ASPHALT PAVEMENT



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	5B

**CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE**

SEALED BY

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**STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION**

PROFILE

STA. 310+00 TO STA. 323+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	6

GLEN E. MEADOWS
AND
SHARON M. MEADOWS

THE LODGE OF CHATTANOOGA LLC

ROYAL
MANOR-ERR,
LLC

JSK, G.P.

CURVE RAMPWK-2
PI 2406+06.96
N 240,781.9831
E 2,206,367.8683
Δ 8° 30' 37" (RT)
D 2° 20' 19"
R 2,450.00
L 363.91
T 182.29
SE 0.044 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 158'

CURVE RAMPWK-1
PI 2402+12.55
N 241,144.3853
E 2,206,211.1384
Δ 6° 22' 10" (RT)
D 1° 30' 00"
R 3,820.00
L 424.67
T 212.55
SE 0.030 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 150'

325

330

335

ROYAL
MANOR-ERR, LLC

PK IN ASP DAVID
MATHEWS RLS 747

2310

2315

CATCH BASIN (2)
TOP-679.19
INV-673.50
INV-673.06
FILL

CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PRESENT
LAYOUT

STA. 323+00 TO STA. 336+00

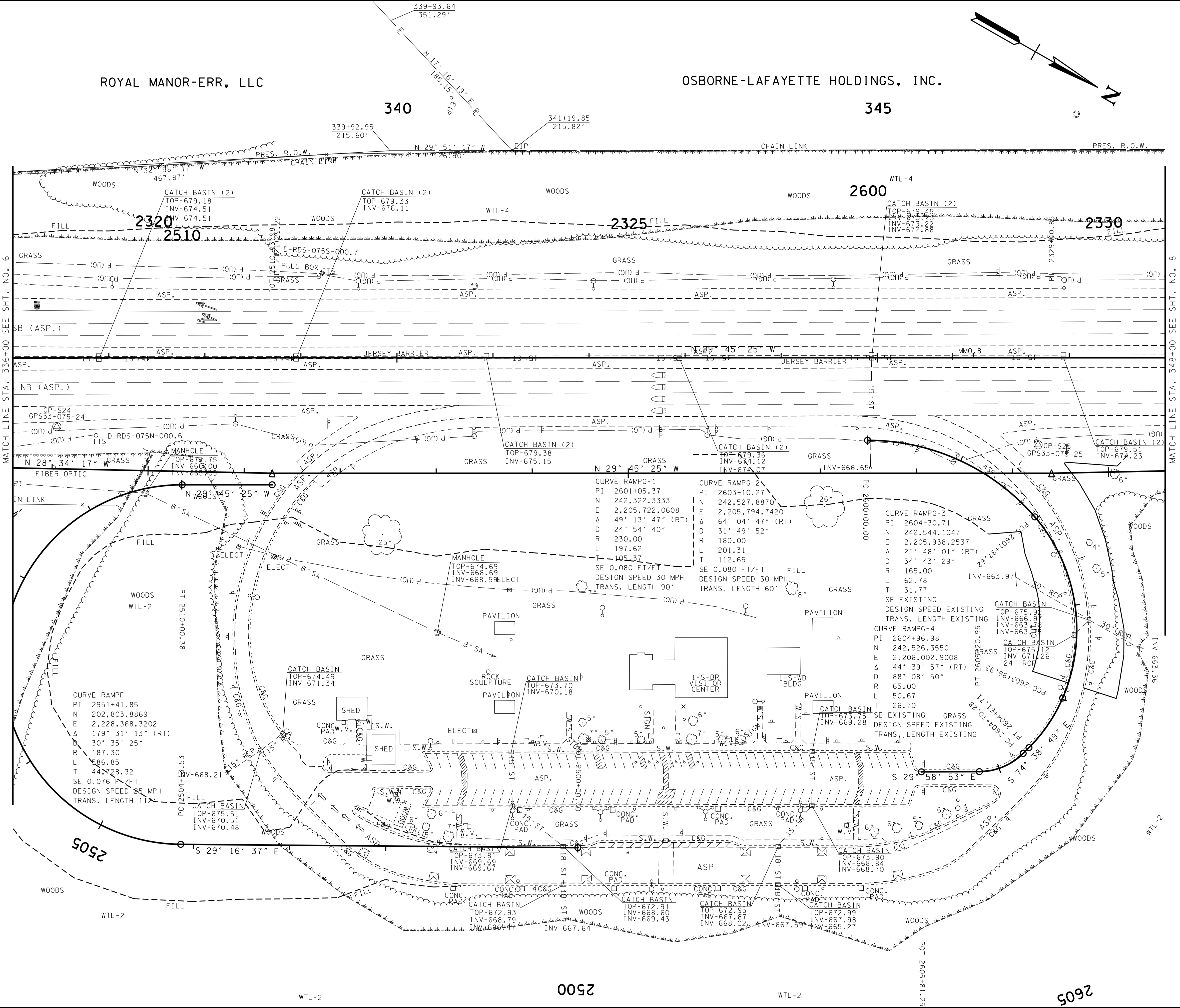
SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	7

REV. 10-18-18: RAMP F CURVE DATA WAS CHANGED TO REFLECT A 25 MPH DESIGN SPEED, 0.076 SUPERELEVATION RATE AND 112' SE TRANSITION LENGTH. SLOPE LINES WERE REVISED.

ROYAL MANOR-ERR, LLC

OSBORNE-LAFAYETTE HOLDINGS, INC.



CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PRESENT
LAYOUT

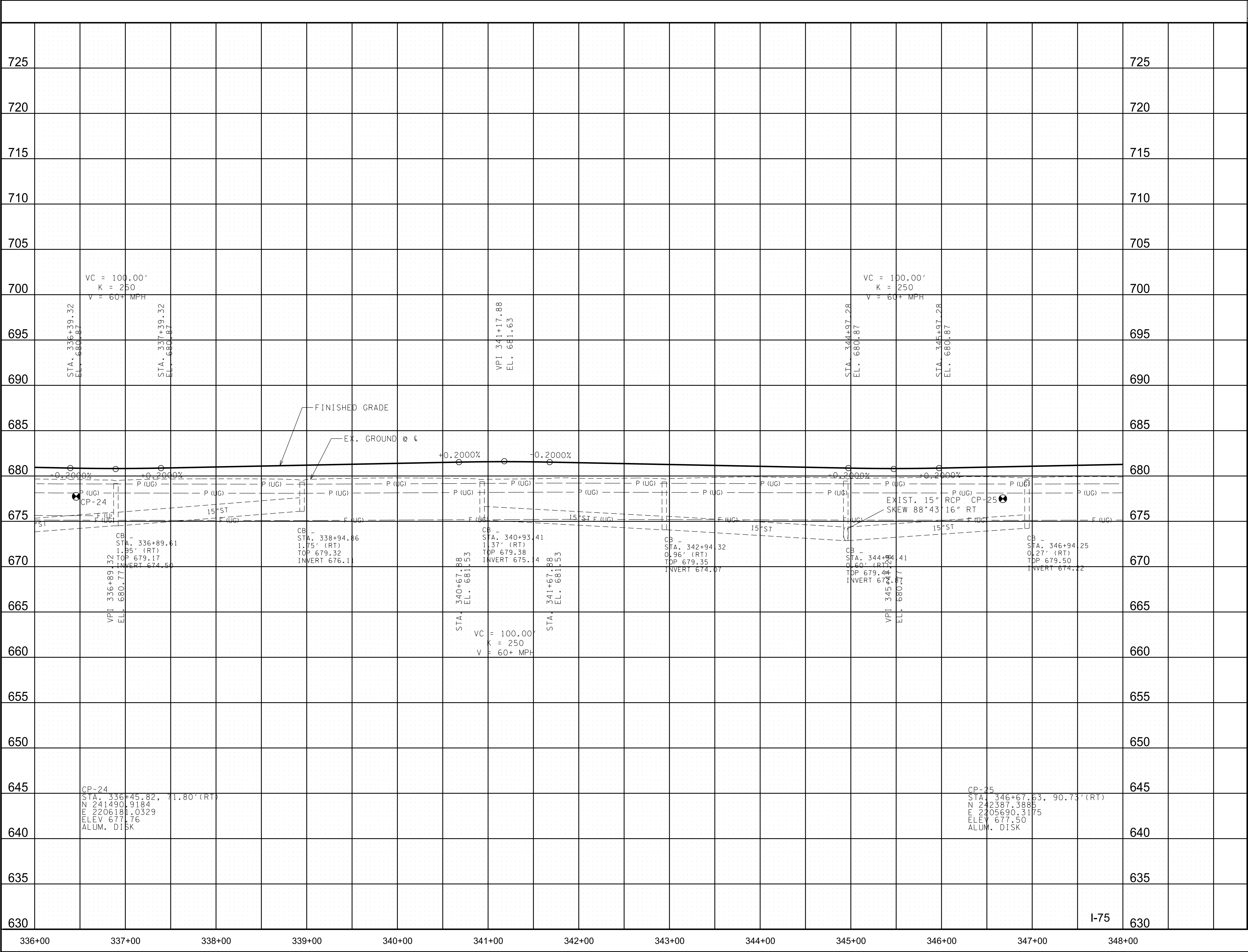
STA. 336+00 TO STA. 348+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	7B

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

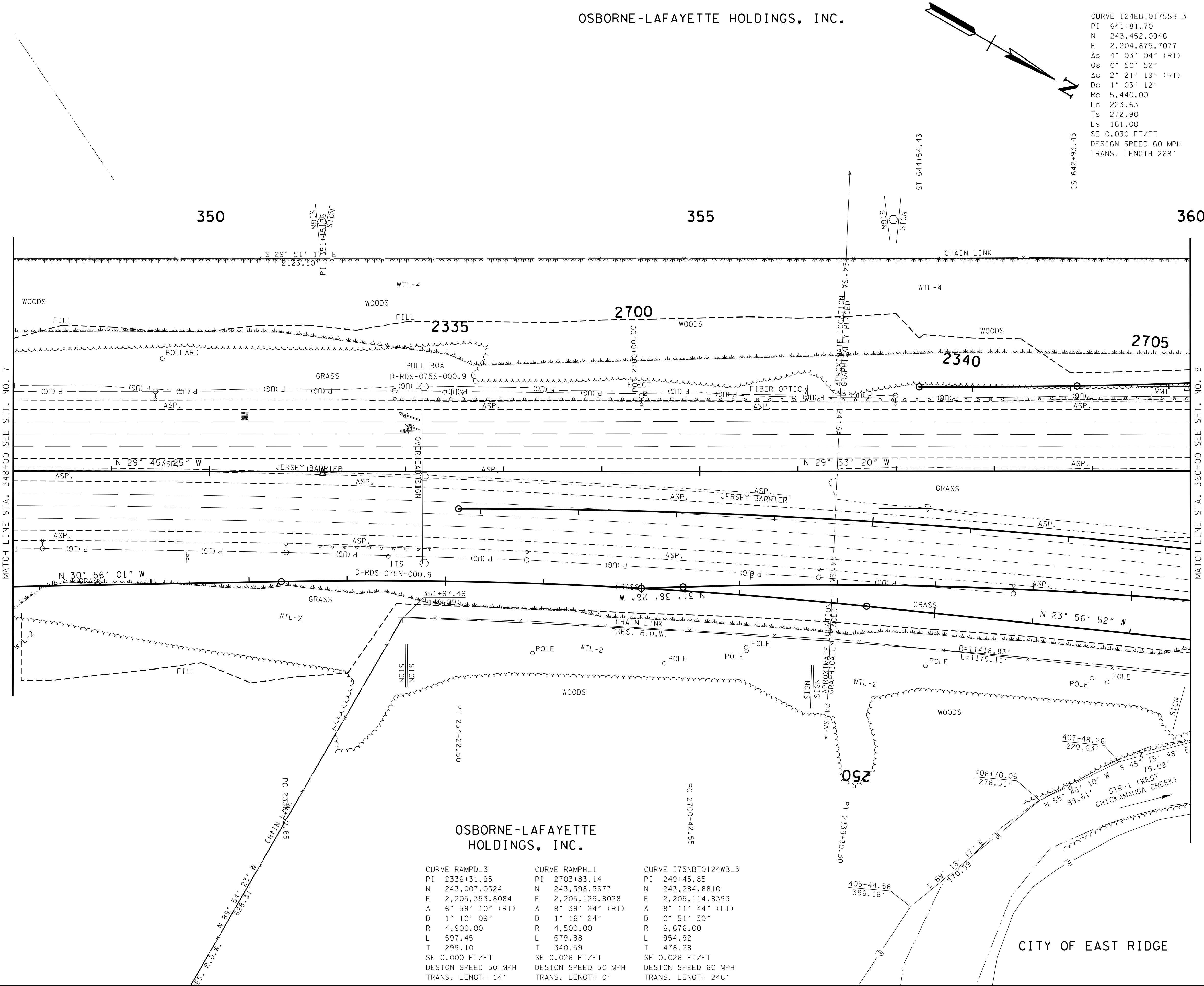
PROFILE

STA. 336+00 TO STA. 348+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	8

OSBORNE-LAFAYETTE HOLDINGS, INC.

CURVE I24EBT0175SB_3
PI 641+81.70
N 243,452.0946
E 2,204,875.7077
Δs 4' 03' 04" (RT)
Θs 0° 50' 52"
Δc 2' 21' 19" (RT)
Dc 1' 03' 12"
Rc 5,440.00
Lc 223.63
Ts 272.90
Ls 161.00
SE 0.030 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 268'



CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PRESENT
LAYOUT

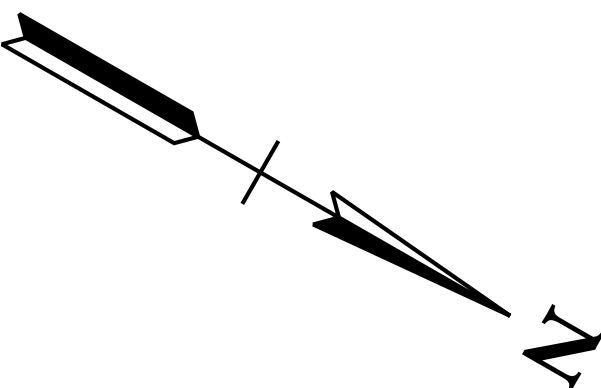
STA. 348+00 TO STA. 360+00

SCALE: 1"= 50'

OSBORNE-LAFAYETTE
HOLDINGS, INC.

CURVE RAMPD_3 PI 2336+31.95 N 243,007.0324 E 2,205,353.8084 Δ 6° 59' 10" (RT) D 1' 10' 09" R 4,900.00 L 597.45 T 299.10 SE 0.000 FT/FT DESIGN SPEED 50 MPH TRANS. LENGTH 14'	CURVE RAMPH_1 PI 2703+83.14 N 243,398.3677 E 2,205,129.8028 Δ 8° 39' 24" (RT) D 1' 16' 24" R 4,500.00 L 679.88 T 340.59 SE 0.026 FT/FT DESIGN SPEED 60 MPH TRANS. LENGTH 0'	CURVE I75NBT0124WB_3 PI 249+45.85 N 243,284.8810 E 2,205,114.8393 Δ 8° 11' 44" (LT) D 0° 51' 30" R 6,676.00 L 954.92 T 478.28 SE 0.026 FT/FT DESIGN SPEED 60 MPH TRANS. LENGTH 246'
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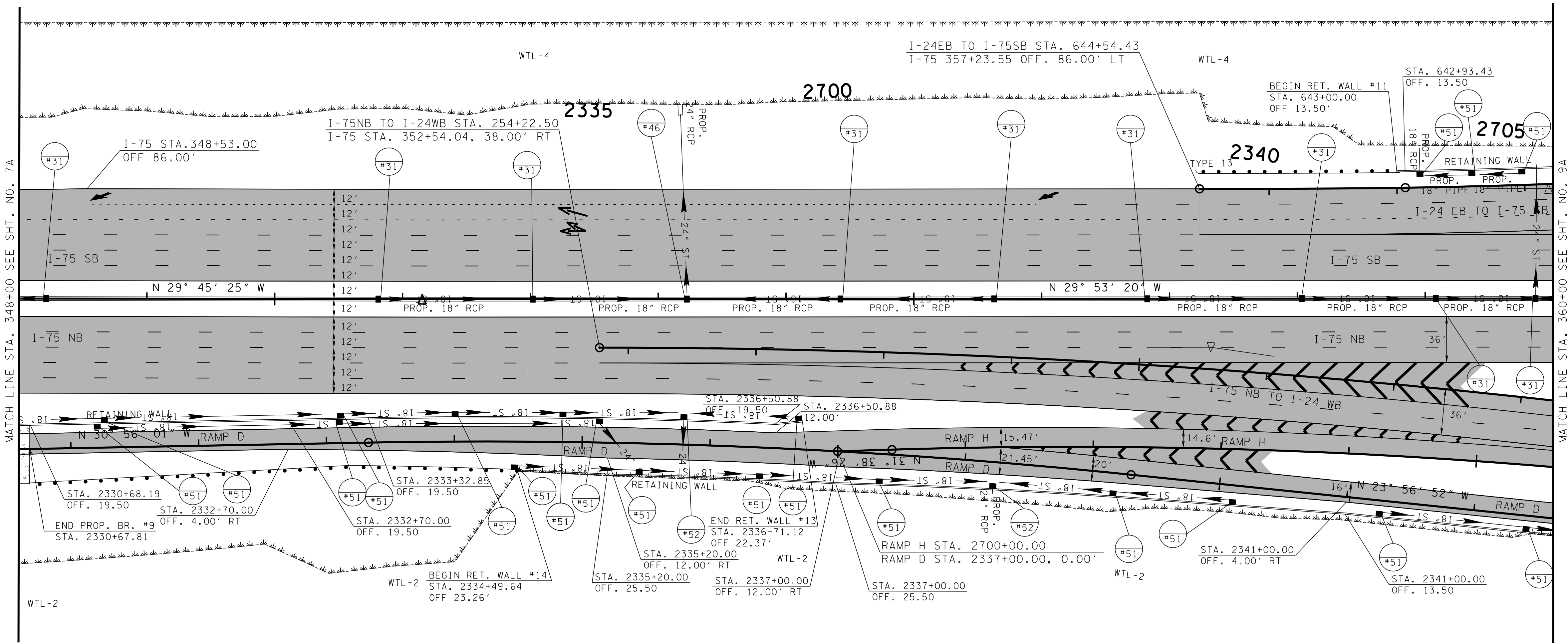
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	8A



350

355

360



CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
LAYOUT

STA. 348+00 TO STA. 360+00

SCALE: 1"= 50'

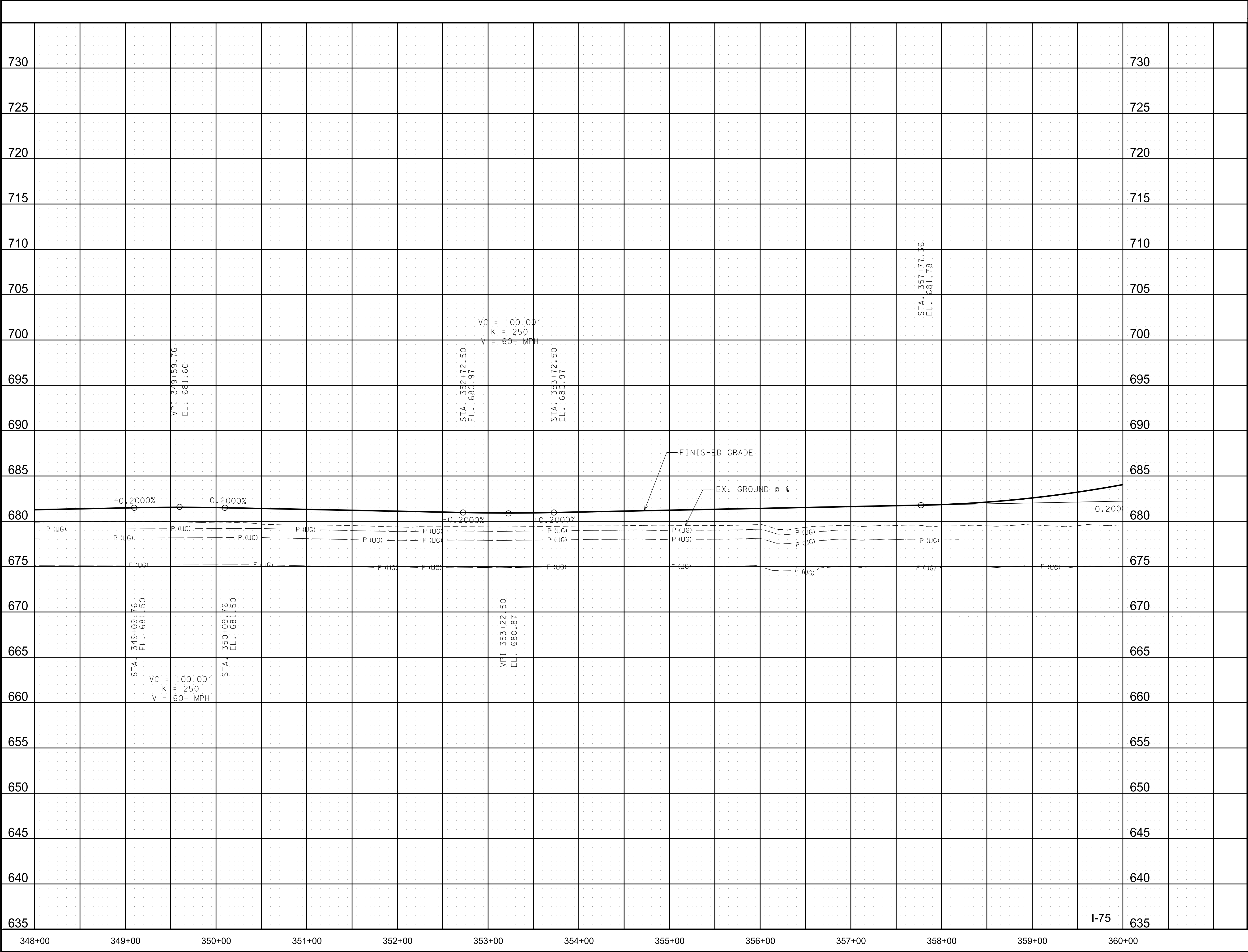
LEGEND:

- PROPOSED ASPHALT PAVEMENT
- PROPOSED BRIDGE CONSTRUCTION

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	8B

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

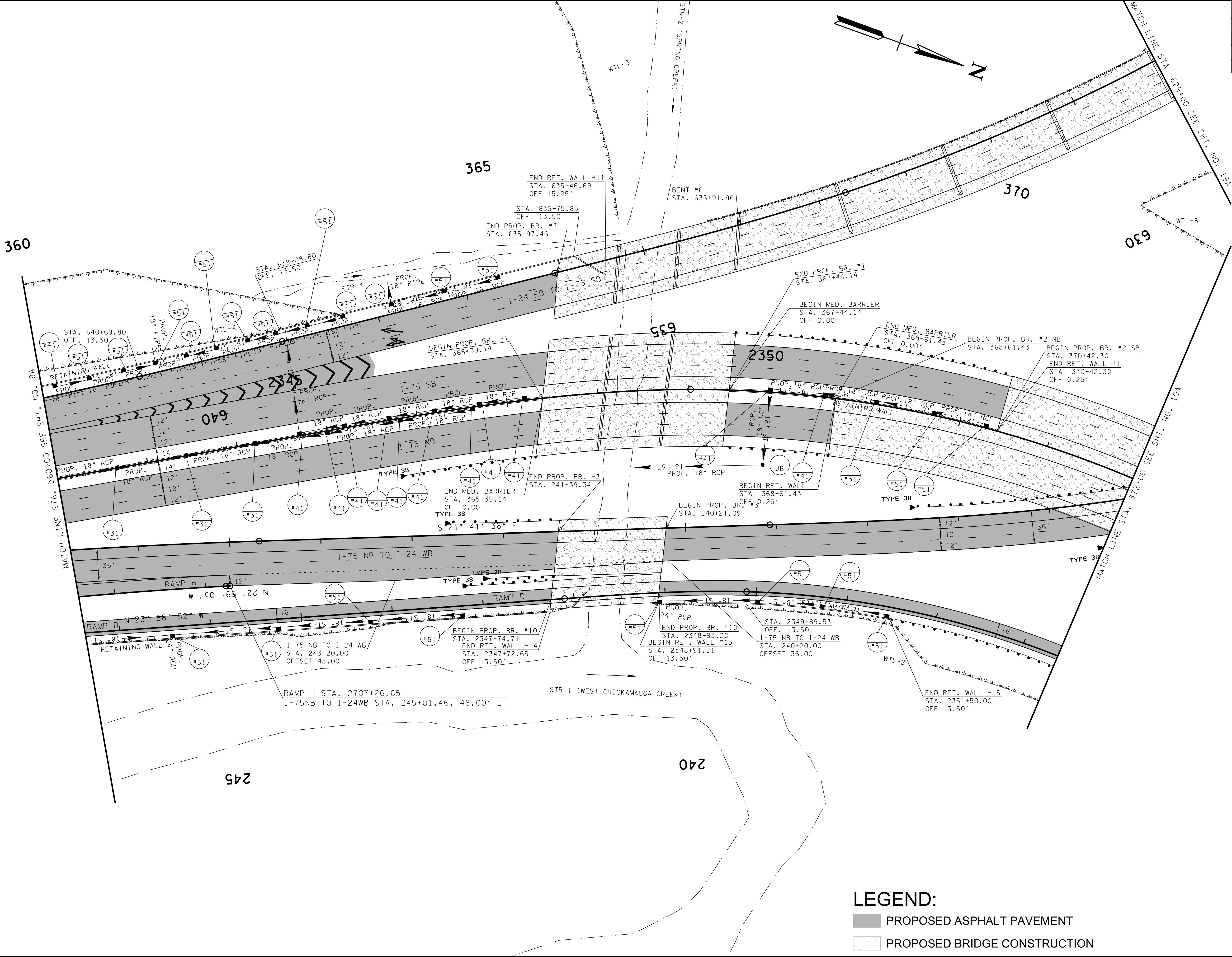
COORDINATES ARE NAD(83)(1995),
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROFILE

STA. 348+00 TO STA. 360+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	9A



CAUTION!
FUNCTIONAL
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

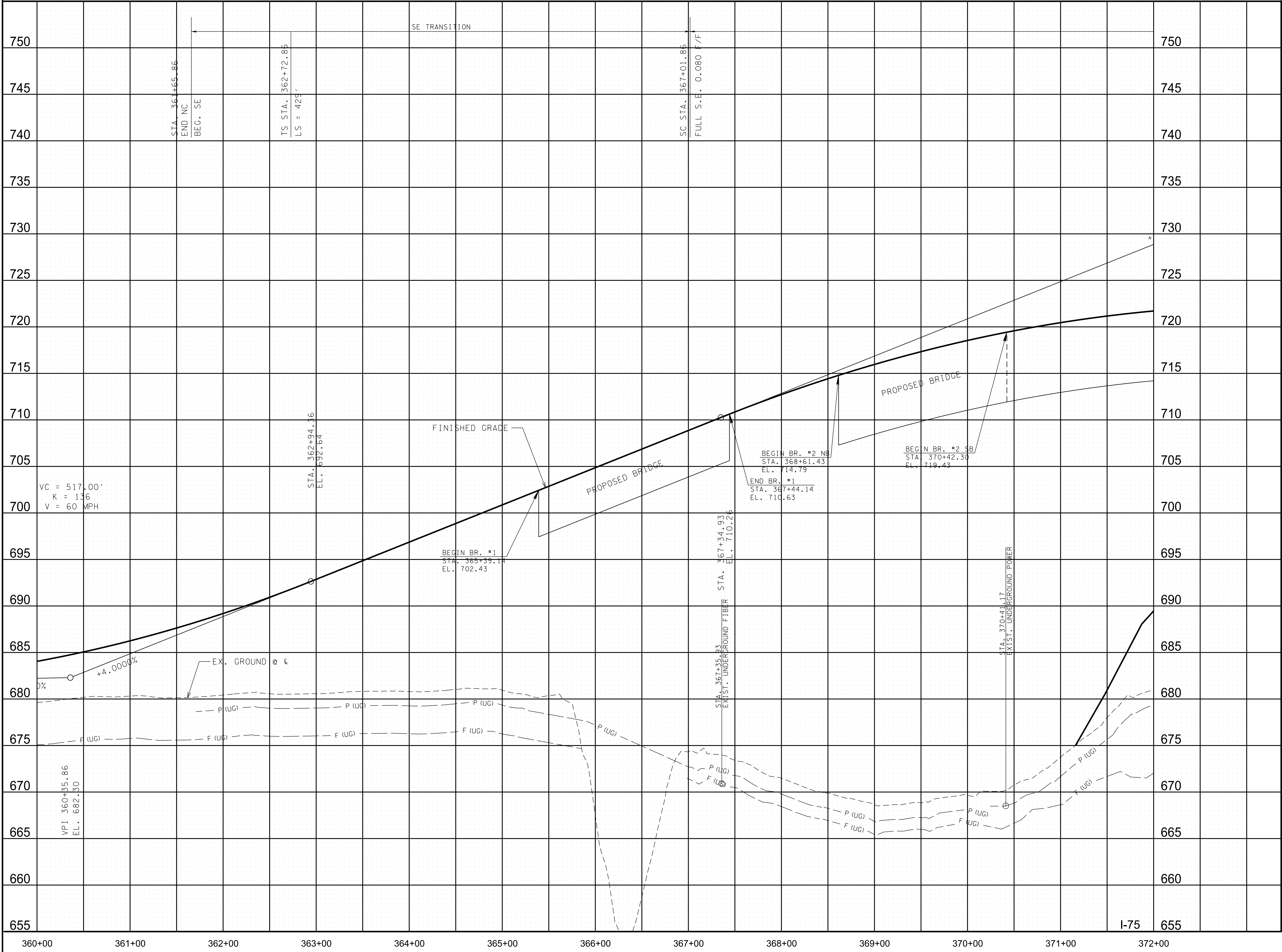
PROPOSED
LAYOUT
STA. 360+00 TO STA. 372+00
SCALE: 1"= 50'

- LEGEND:
- PROPOSED ASPHALT PAVEMENT
 - PROPOSED BRIDGE CONSTRUCTION

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	9B

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

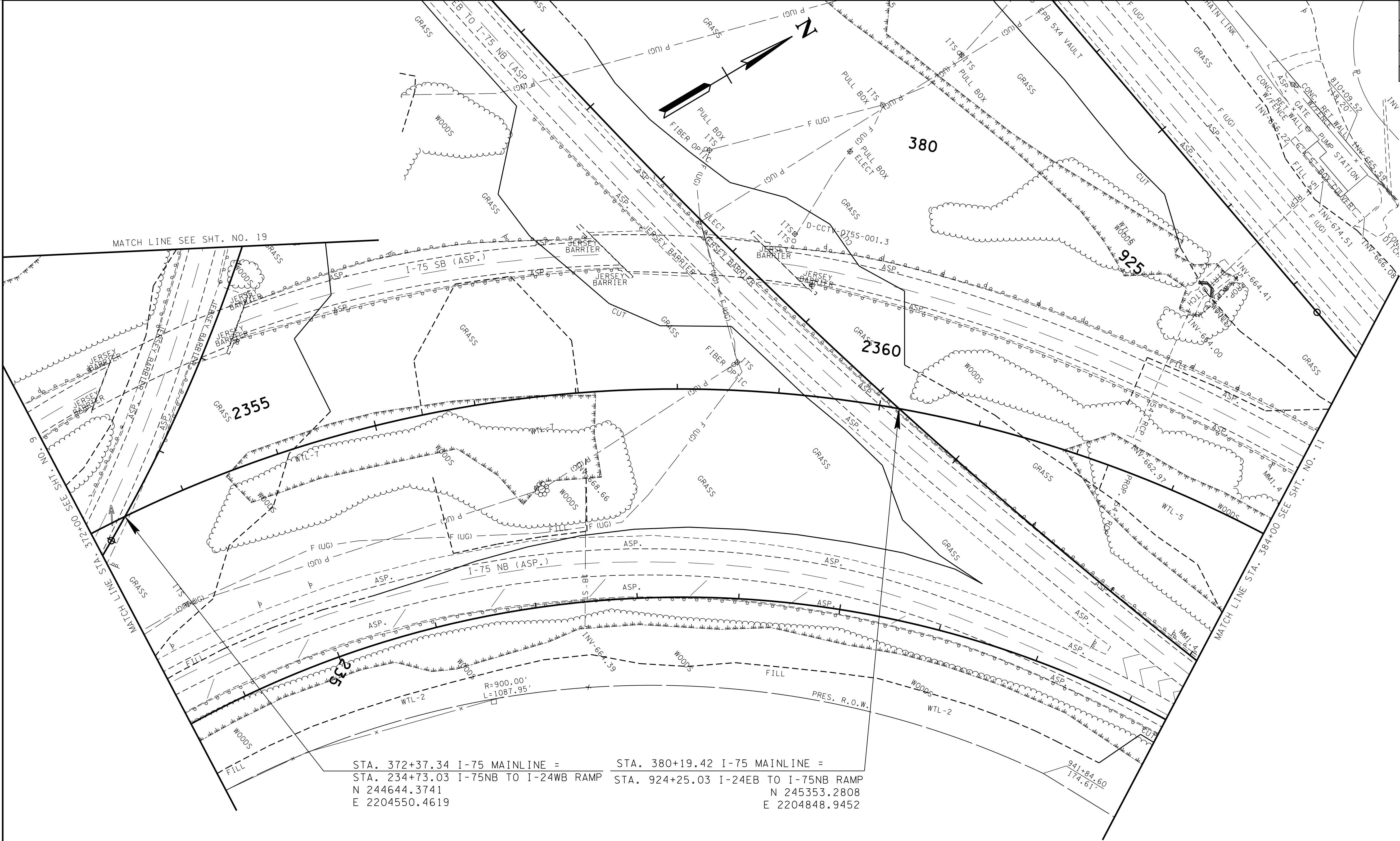
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROFILE

STA. 360+00 TO STA. 372+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.



STA. 372+37.34 I-75 MAINLINE = STA. 380+19.42 I-75 MAINLINE =
STA. 234+73.03 I-75NB TO I-24WB RAMP STA. 924+25.03 I-24EB TO I-75NB RAMP
N 244644.3741 N 245353.2808
E 2204550.4619 E 2204848.9452

CURVE I-75_2
PI 379+91.83
N 245,224.9318
E 2,203,955.9341
Δs 100° 44' 14" (RT)
Θs 9° 54' 40"
Δc 80° 54' 53" (RT)
Dc 4° 37' 14"
Rc 1,240.00
Lc 1,751.16
Ts 1,718.97
Ls 429.00
SE 0.080 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 536'

CURVE RAMPD_4
PI 2358+90.23
N 245,071.5927
E 2,204,436.8625
Δs 89° 56' 48" (RT)
Θs 5° 43' 46"
Δc 78° 29' 15" (RT)
Dc 5° 43' 46"
Rc 1,000.00
Lc 1,369.87
Ts IN 1,100.70
Ts OUT 1,100.70
Ls 200.00
SE 0.000 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 147'

OSBORNE-LAFAYETTE HOLDINGS, INC.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	10

CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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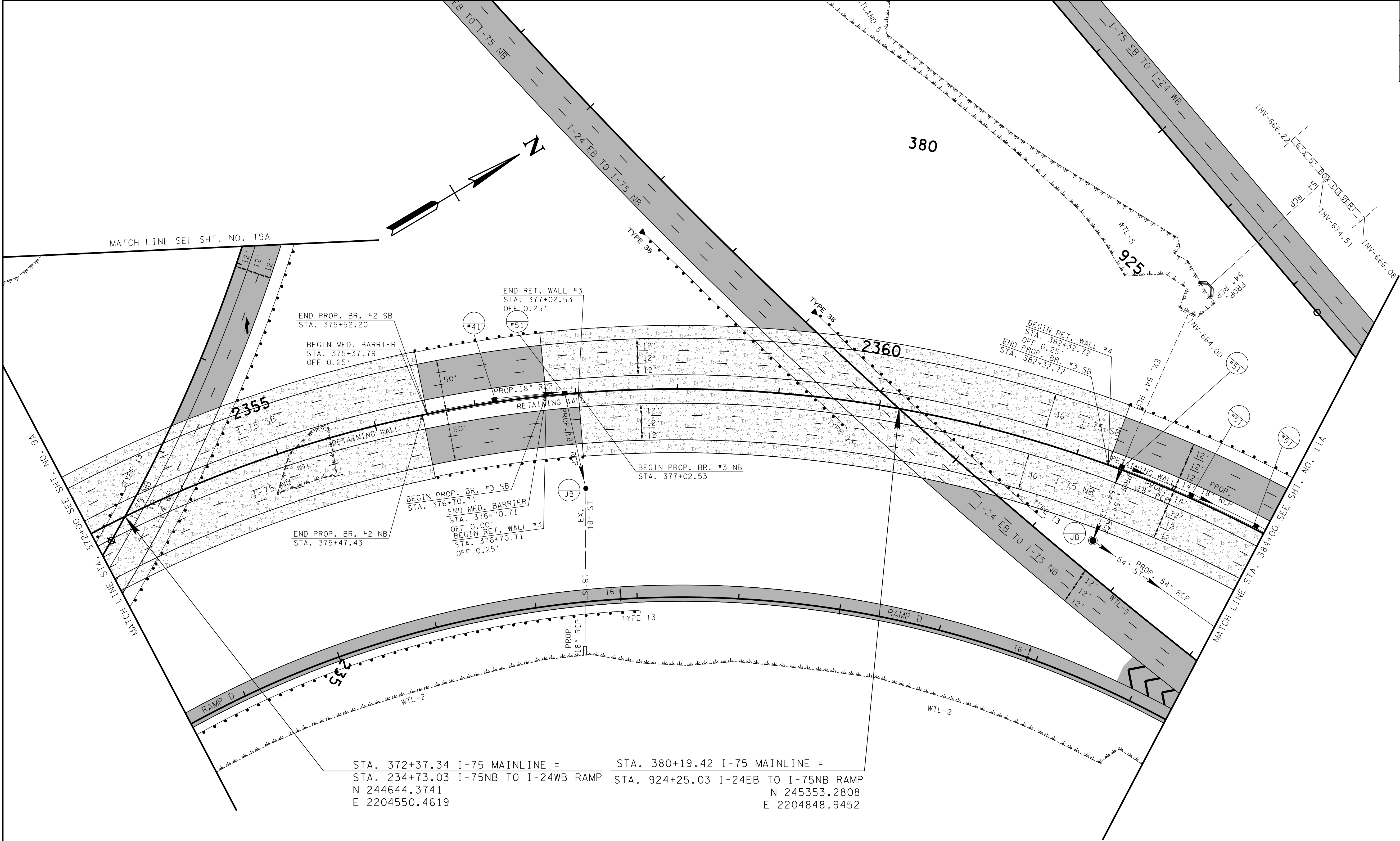
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PRESENT
LAYOUT

STA. 372+00 TO STA. 384+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	10A



STA. 372+37.34 I-75 MAINLINE = STA. 380+19.42 I-75 MAINLINE =
STA. 234+73.03 I-75NB TO I-24WB RAMP STA. 924+25.03 I-24EB TO I-75NB RAMP
N 244644.3741 N 245353.2808
E 2204550.4619 E 2204848.9452

LEGEND:

- PROPOSED ASPHALT PAVEMENT
- PROPOSED BRIDGE CONSTRUCTION

CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
LAYOUT

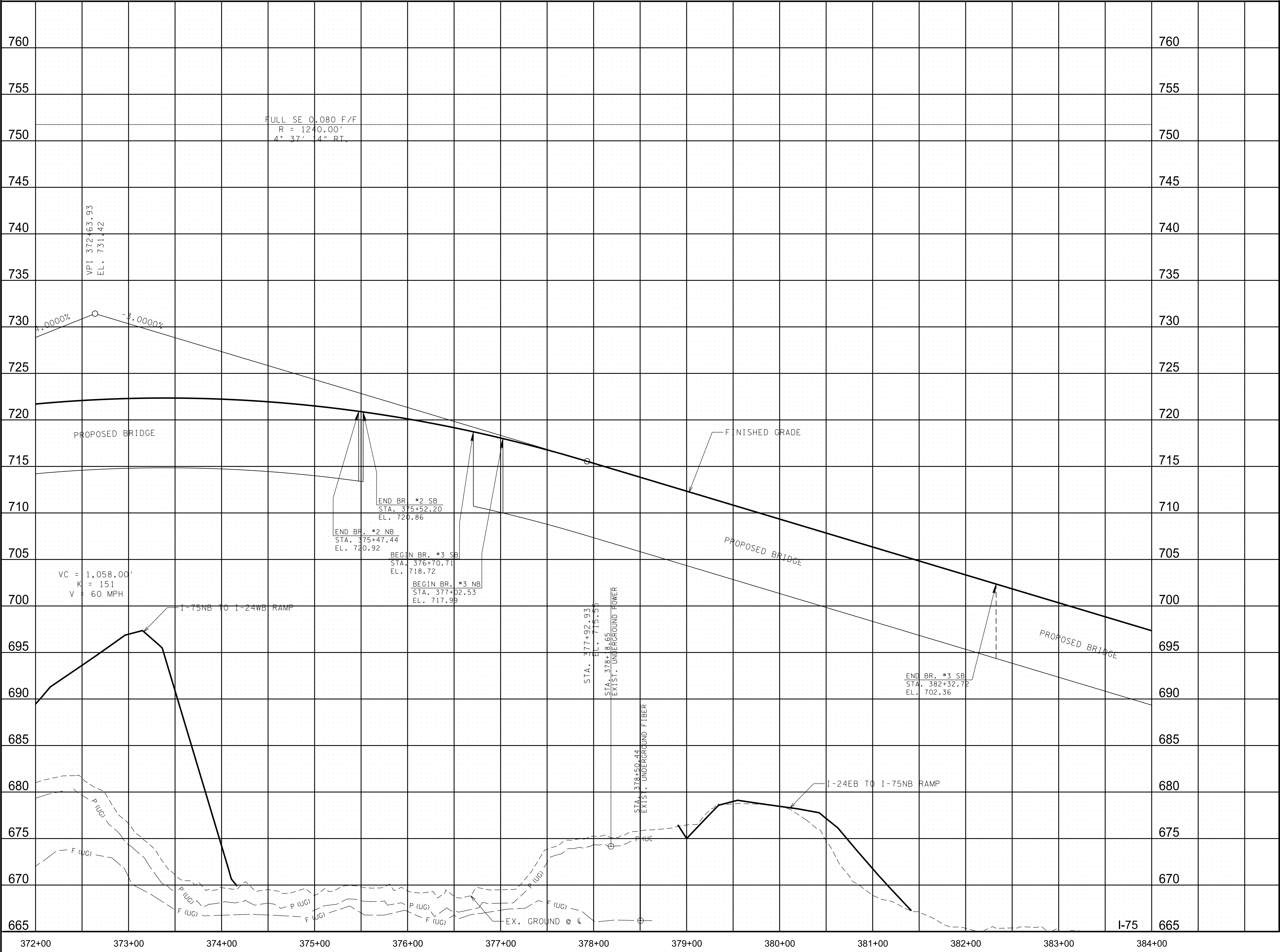
STA. 372+00 TO STA. 384+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PRELIM.	2018	IM/NH-75-1(131)	10B

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

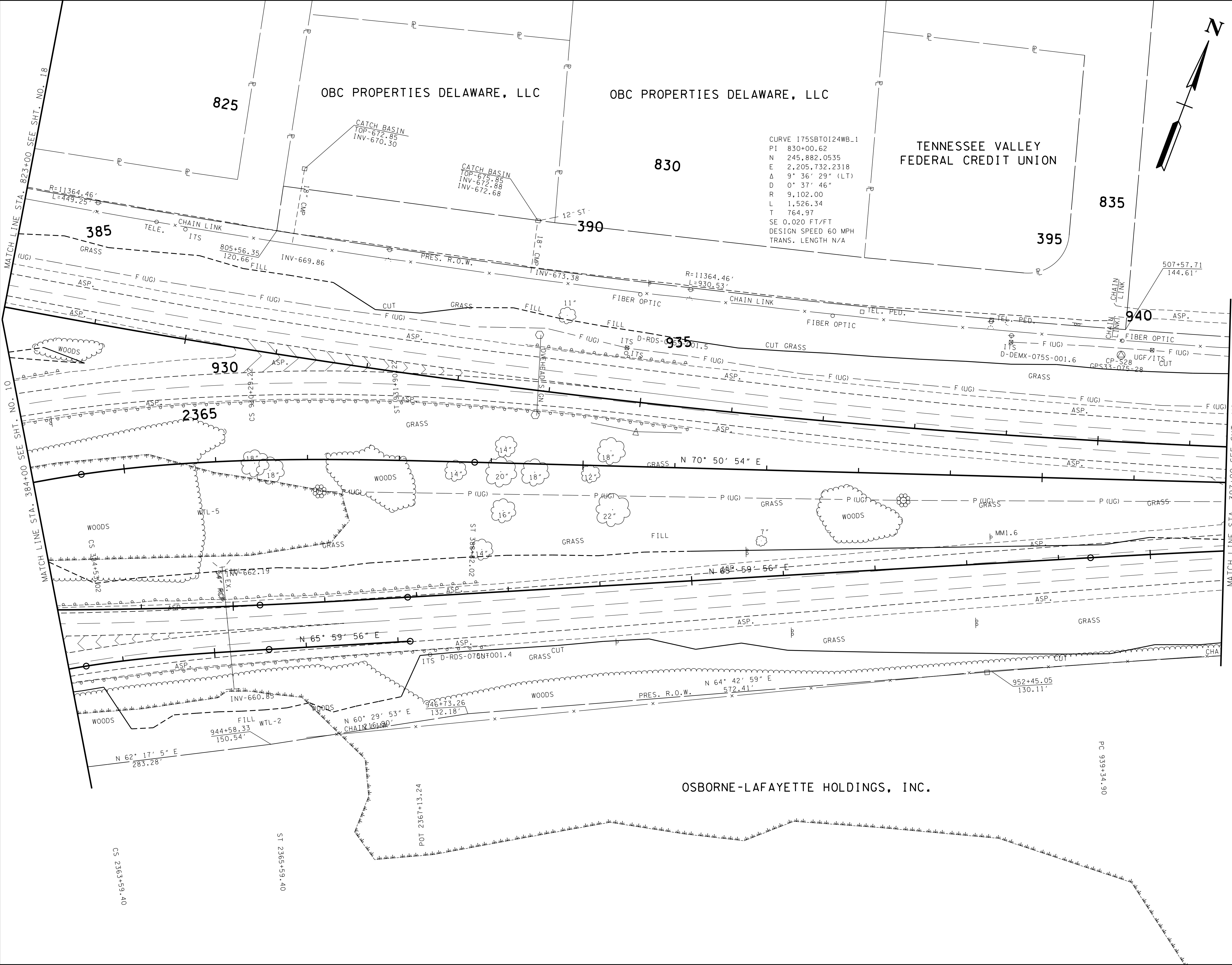
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROFILE

STA. 372+00 TO STA. 384+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	11



CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

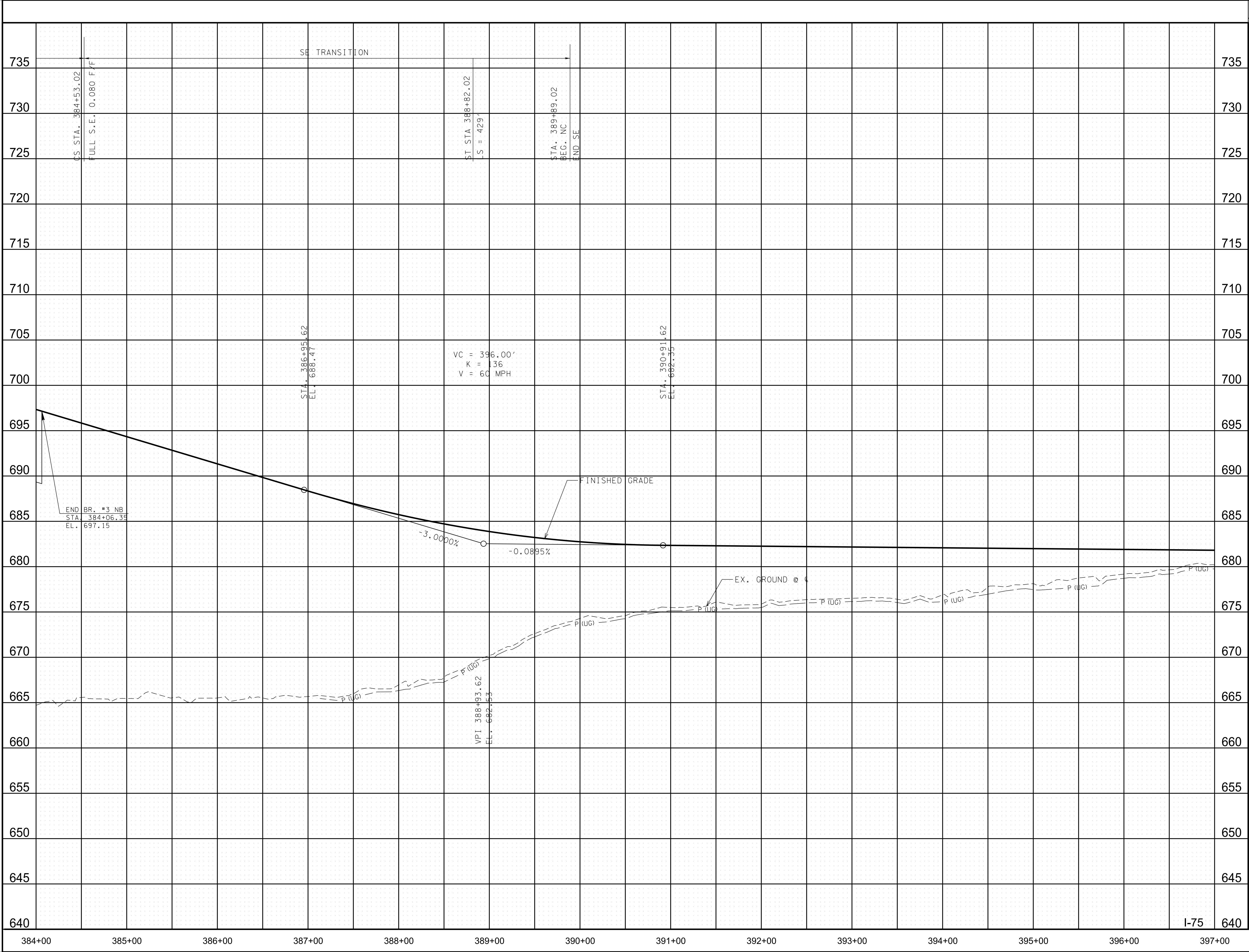
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PRESENT
LAYOUT

STA. 384+00 TO STA. 397+00

SCALE: 1"= 50'



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SEALED BY

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FACTOR OF 0.99998 AND TIED TO
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REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

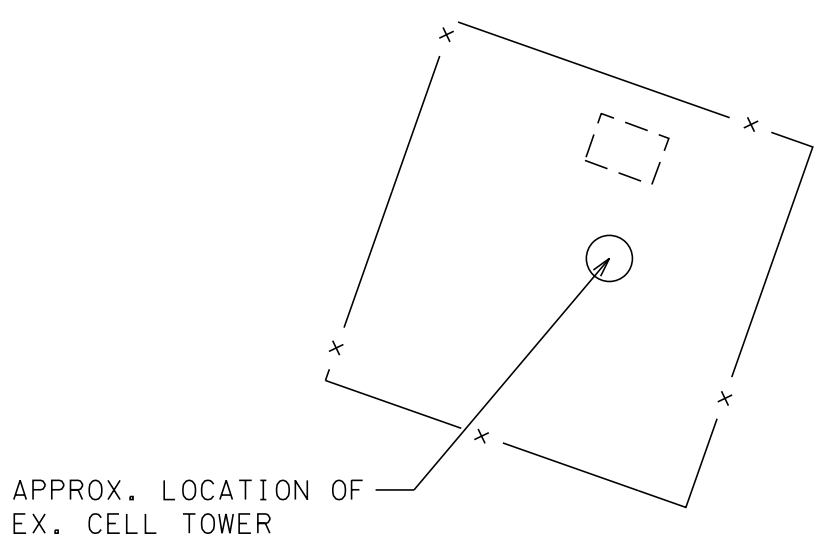
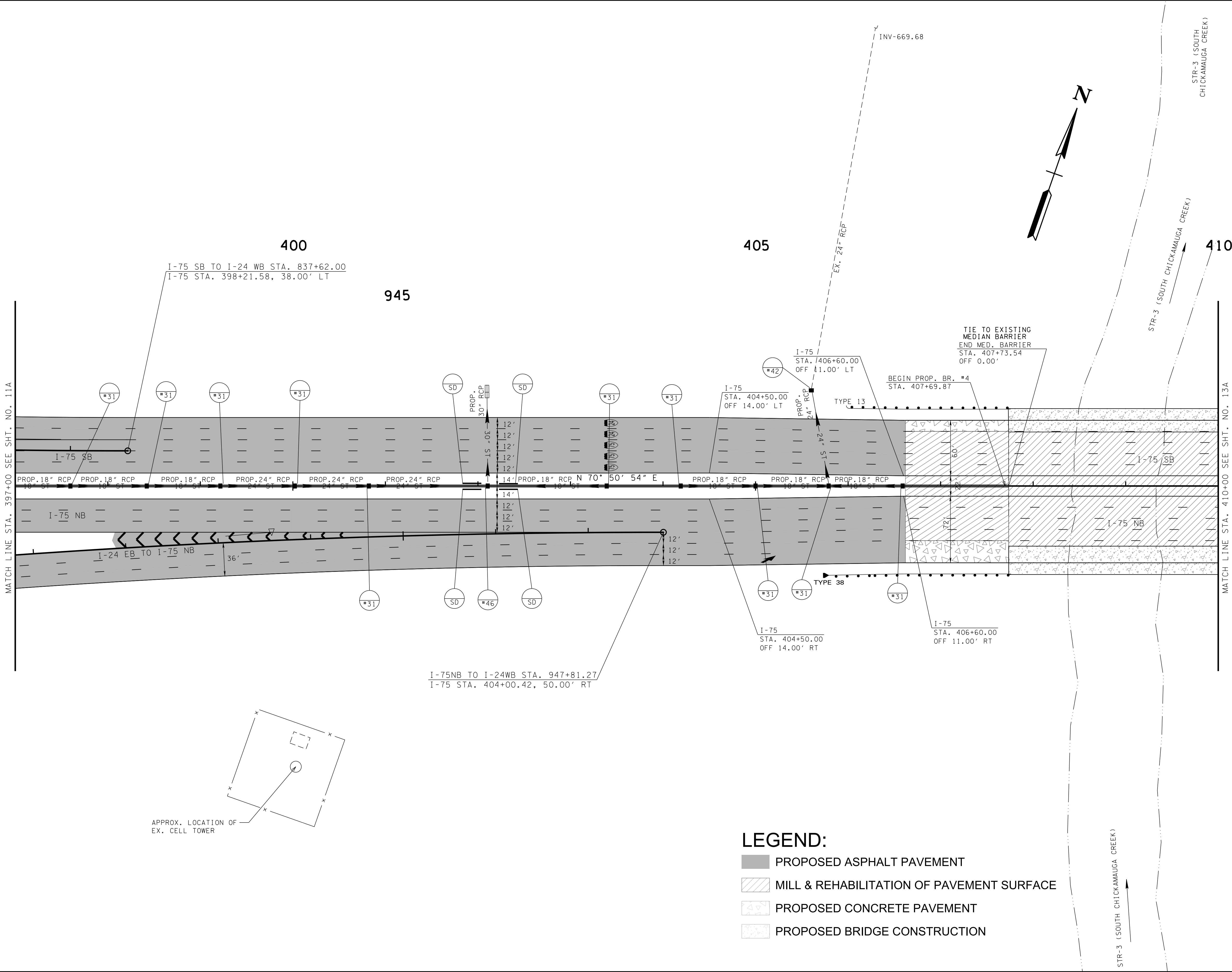
PROFILE

STA. 384+00 TO STA. 397+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	11B

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- LEGEND:**
- PROPOSED ASPHALT PAVEMENT
 - MILL & REHABILITATION OF PAVEMENT SURFACE
 - PROPOSED CONCRETE PAVEMENT
 - PROPOSED BRIDGE CONSTRUCTION

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	12A

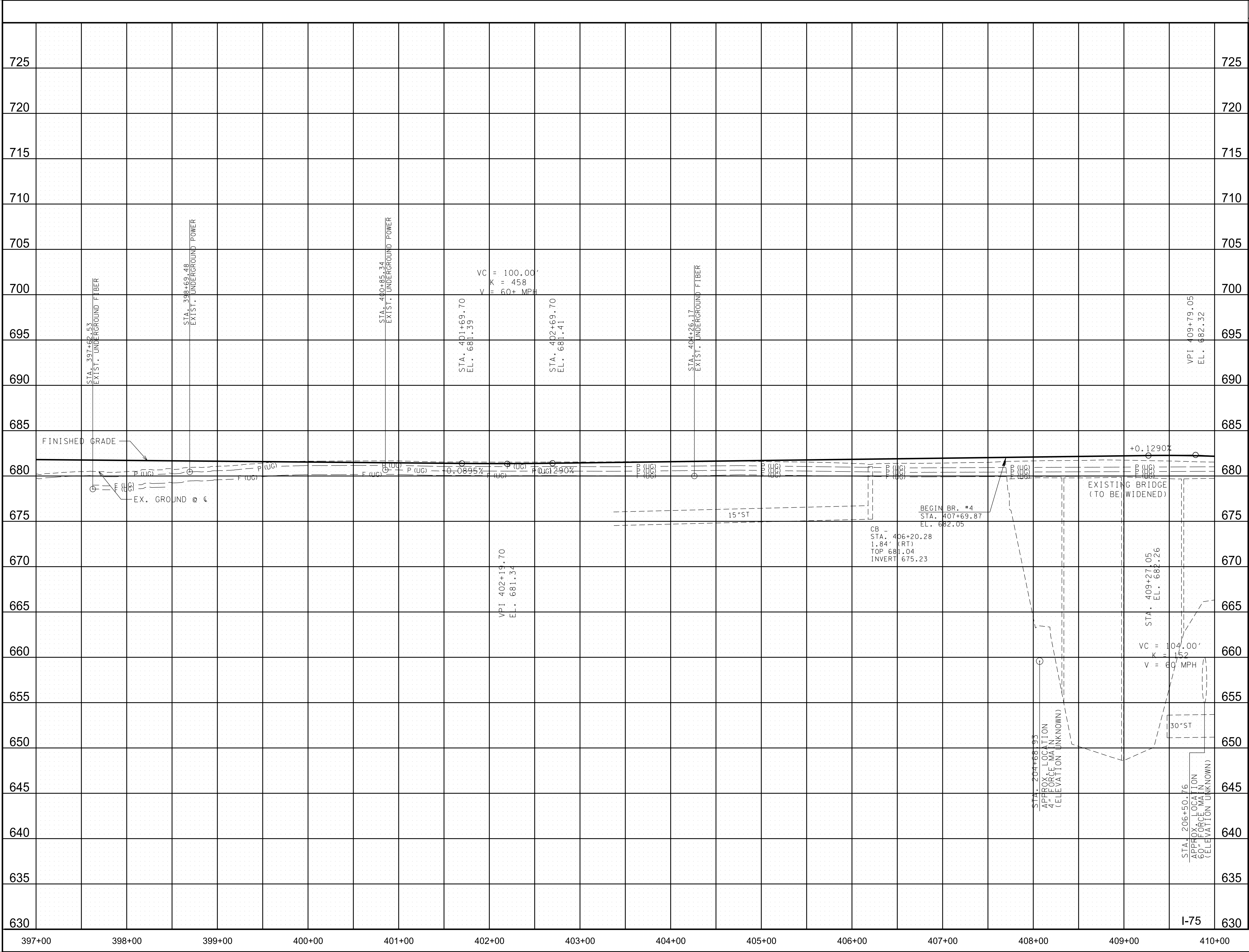
CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

COORDINATES ARE NAD/83(1995),
ARE DATUM ADJUSTED BY THE
FACTOR OF 0.99998 AND TIED TO
THE TGRN. ALL ELEVATIONS ARE
REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
LAYOUT
STA. 397+00 TO STA. 410+00
SCALE: 1"= 50'



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	12B

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

COORDINATES ARE NAD/83(1995),
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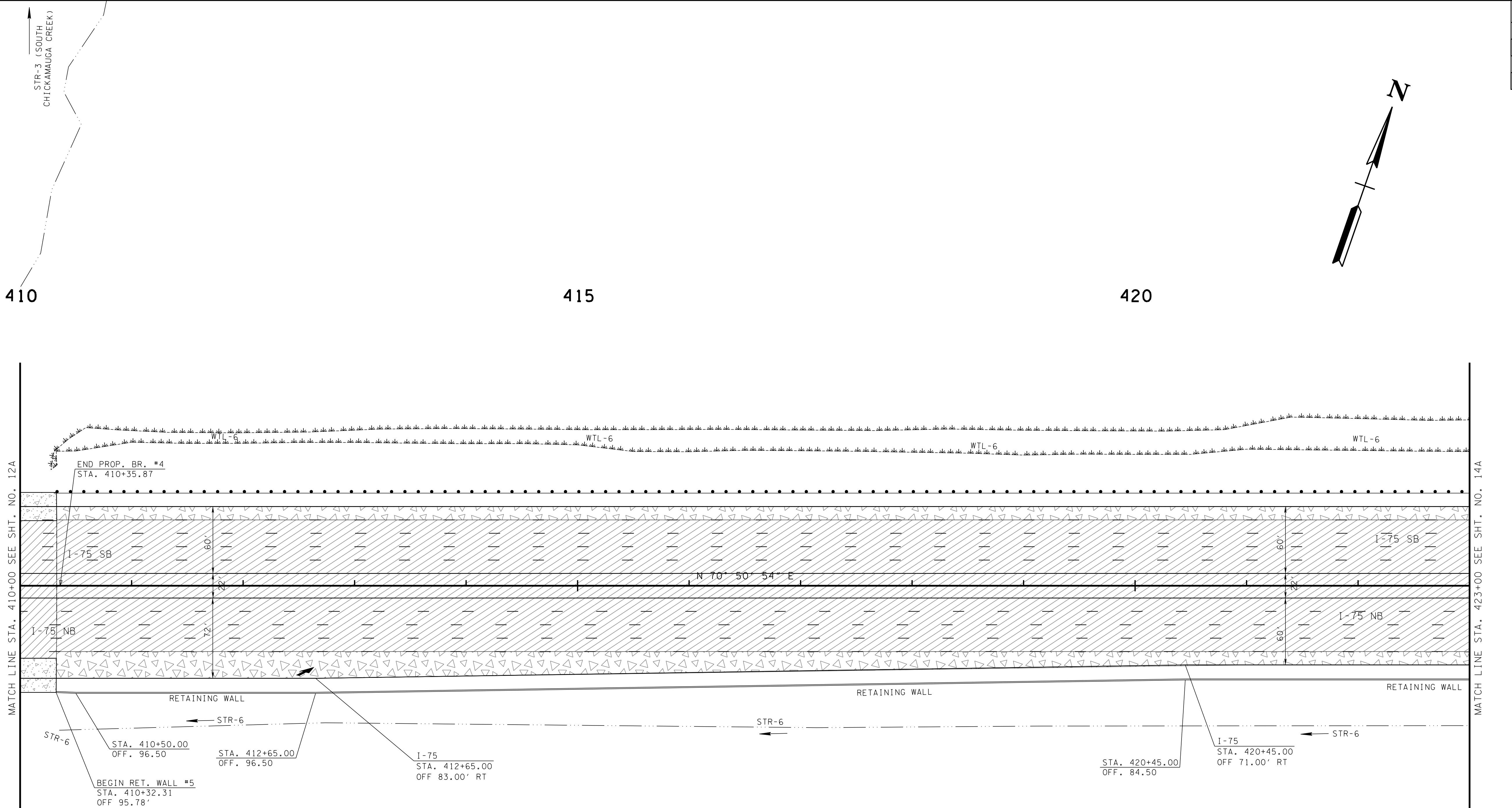
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROFILE

STA. 397+00 TO STA. 410+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	13A

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LEGEND:

- FULL DEPTH PAVEMENT
- MILL & REHABILITATION OF PAVEMENT SURFACE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED BRIDGE CONSTRUCTION

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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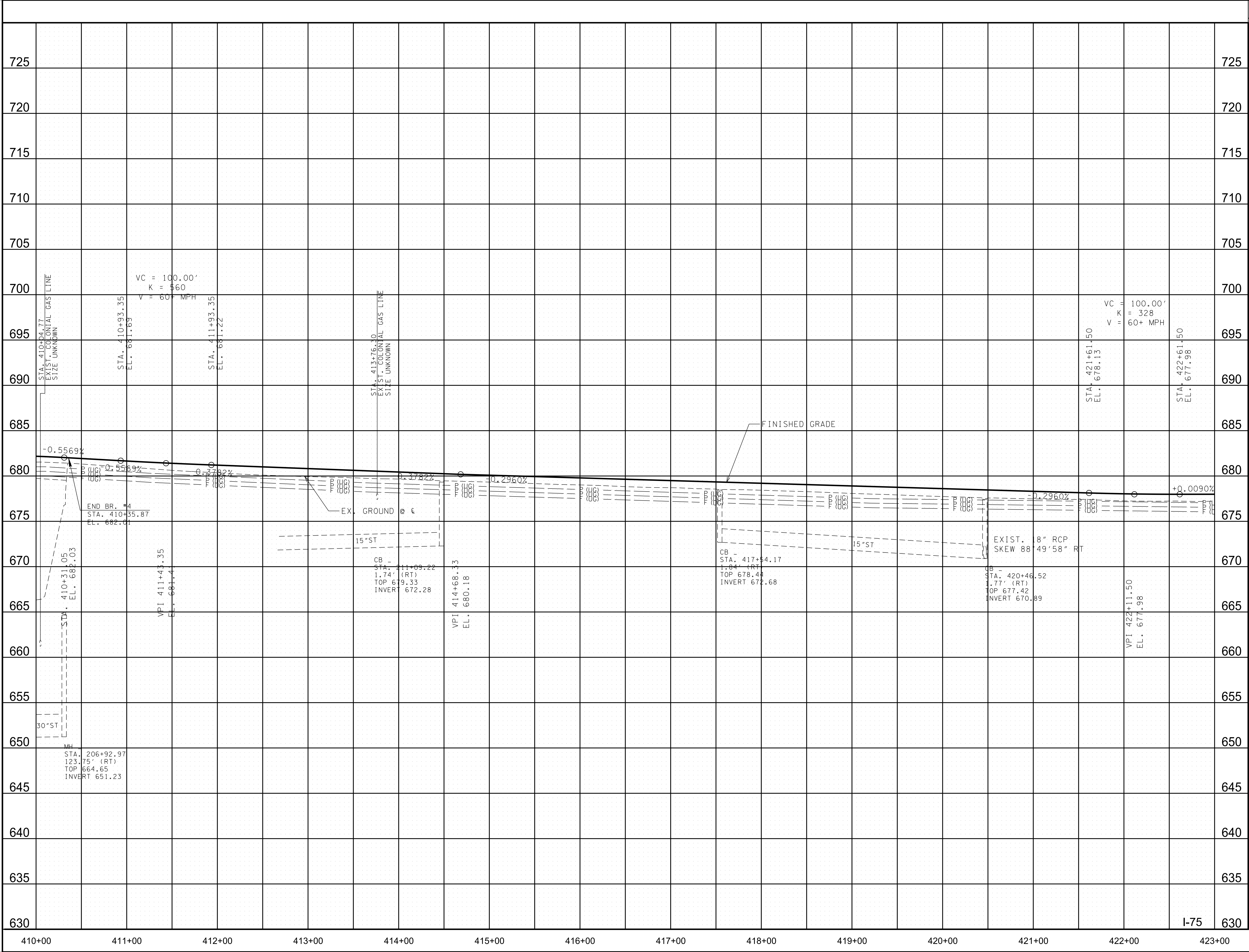
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
LAYOUT
STA. 410+00 TO STA. 423+00
SCALE: 1"= 50'

CELL MORID

8/9/2018 5:33:51 PM

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CAUTION !
FUNCTIONAL
PLANS
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

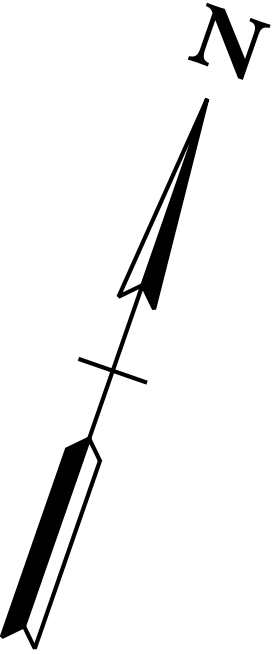
PROFILE

STA. 410+00 TO STA. 423+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	13B

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	14

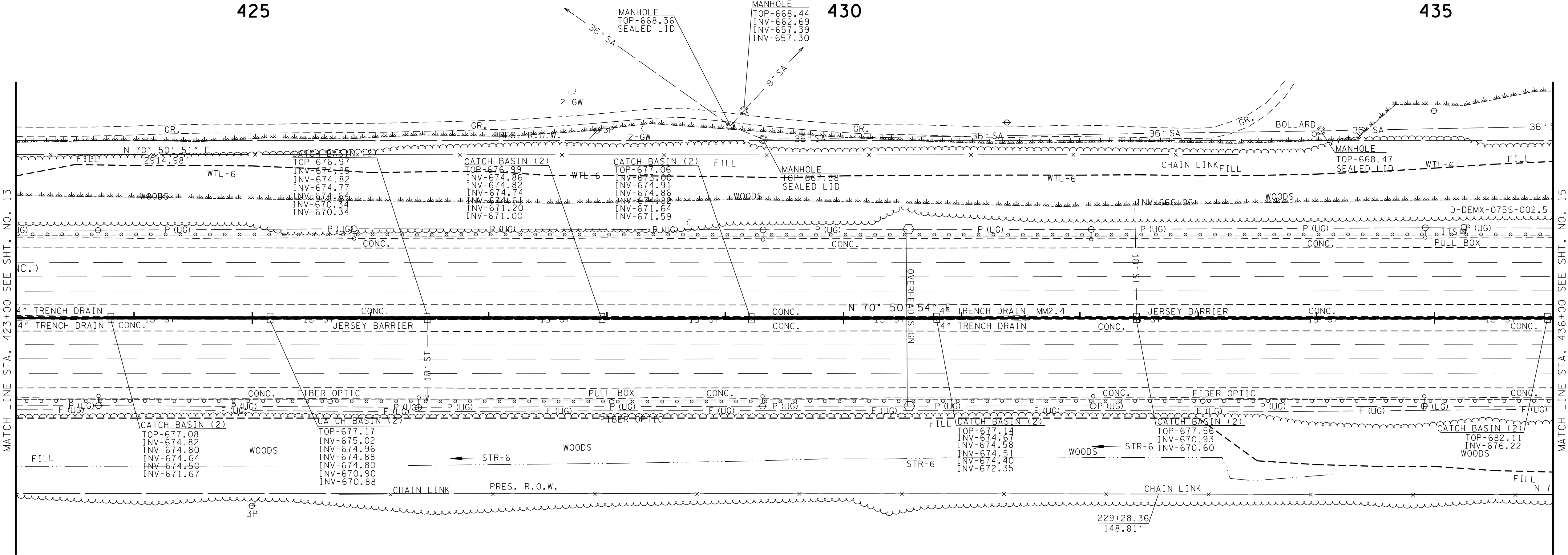
CITY OF CHATTANOOGA



425

430

435



CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

COORDINATES ARE NAD/83(1995),
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

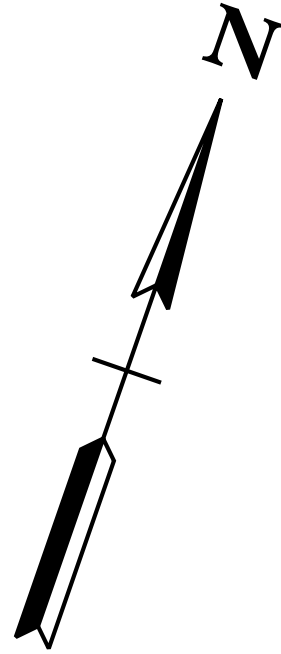
PRESENT
LAYOUT

STA. 423+00 TO STA. 436+00

SCALE: 1"= 50'

CITY OF CHATTANOOGA

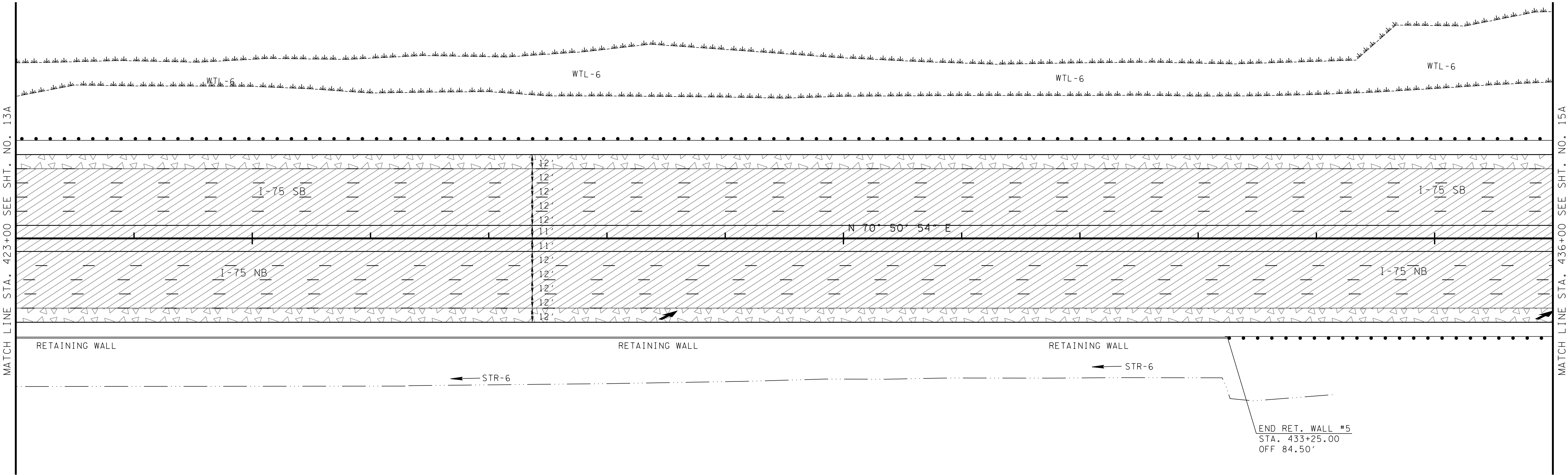
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	14A



425

430

435



CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
LAYOUT

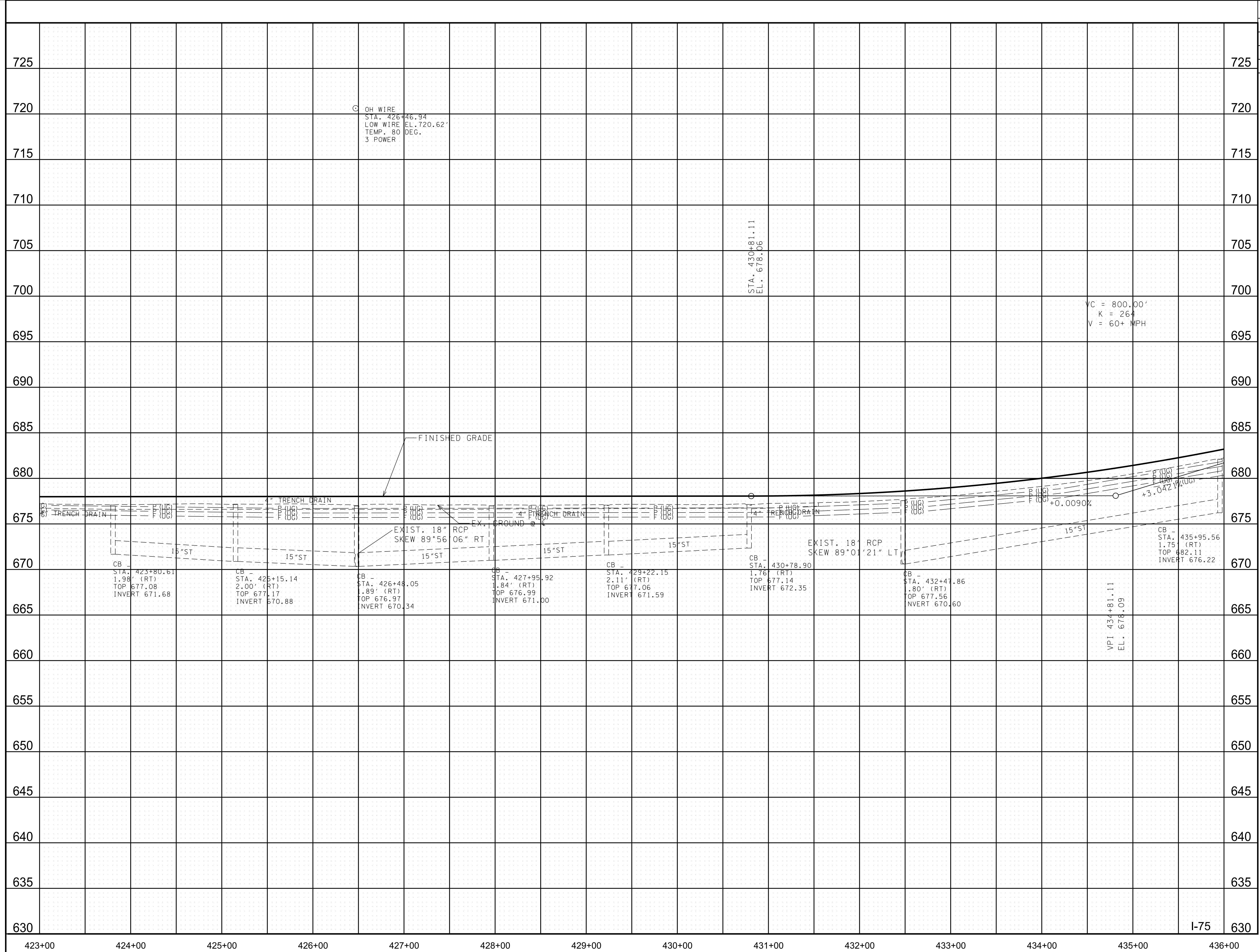
STA. 423+00 TO STA. 436+00

SCALE: 1"= 50'

LEGEND:

- MILL & REHABILITATION OF PAVEMENT SURFACE
- PROPOSED CONCRETE PAVEMENT

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	14B



**CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE**

SEALED BY

COORDINATES ARE NAD/83(1995),
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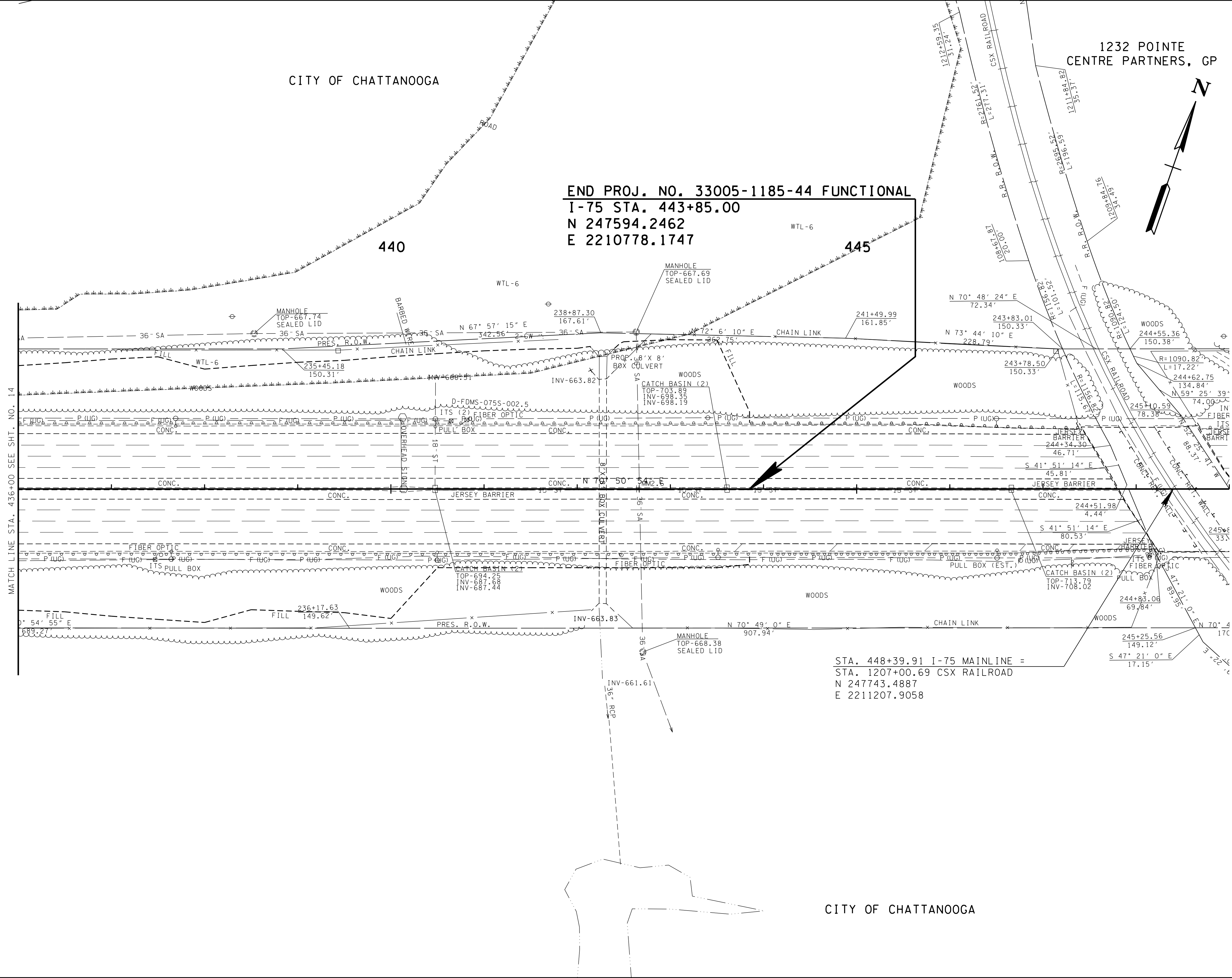
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROFILE

STA. 423+00 TO STA. 436+00

SCALE: 1"= 50' HORIZ
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	15



CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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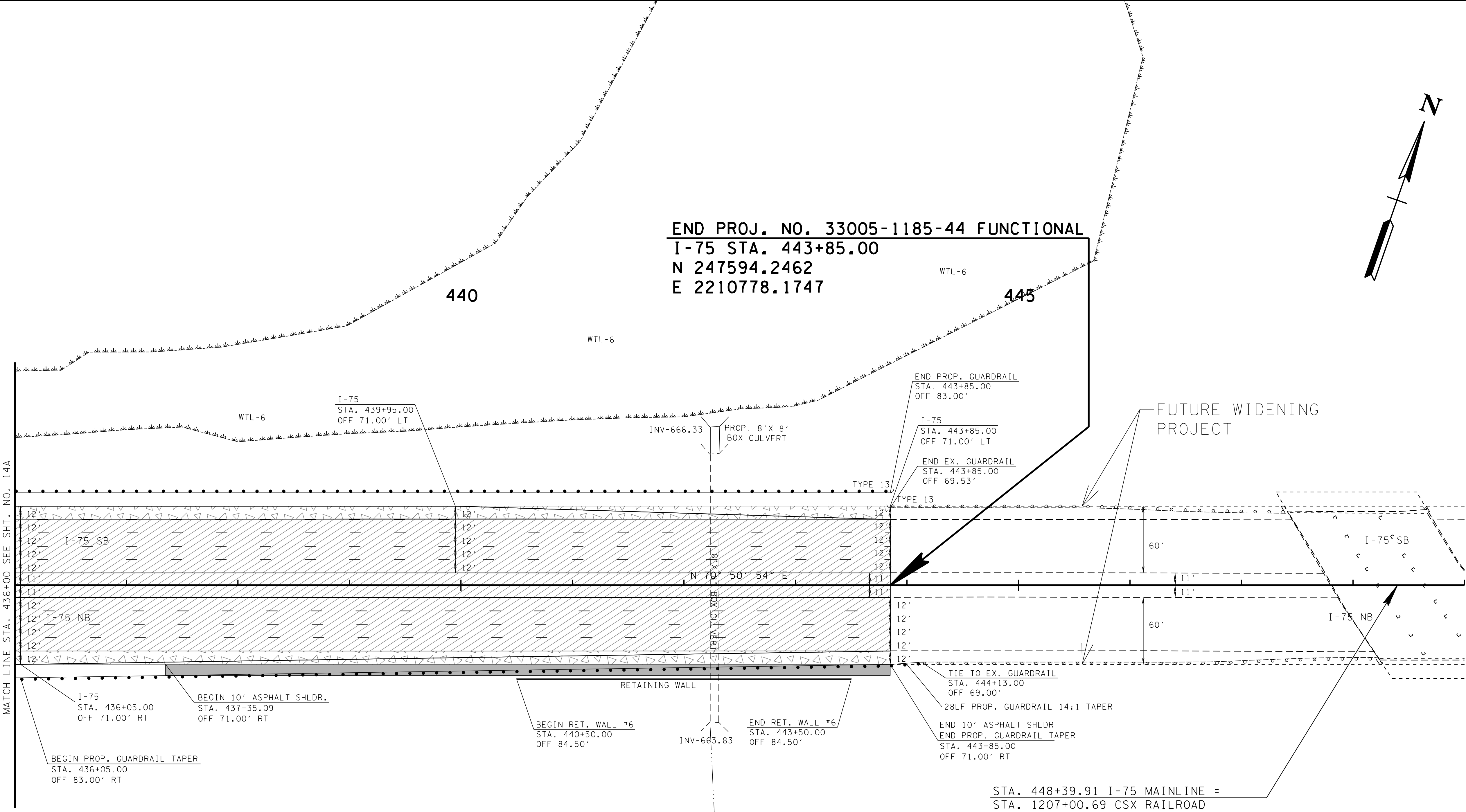
**TATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION**

PRESENT LAYOUT

STA. 436+00 TO STA. 449+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	15A



CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
LAYOUT

STA. 436+00 TO STA. 449+00

SCALE: 1"= 50'

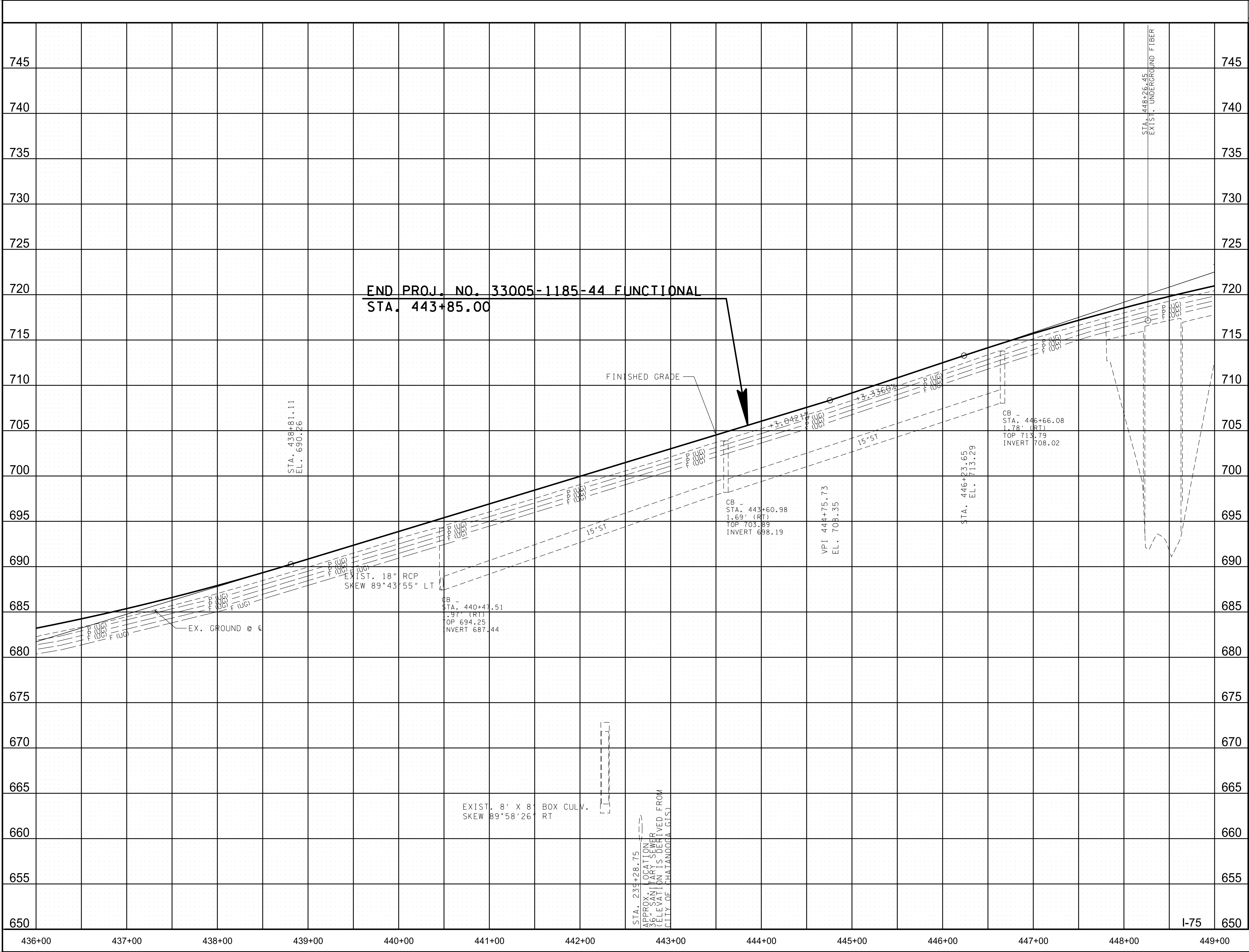
LEGEND:

- MILL & REHABILITATION OF PAVEMENT SURFACE
- PROPOSED CONCRETE PAVEMENT
- PROPOSED ASPHALT SHOULDER PAVEMENT

CELL MORID

8/9/2018 5:33:57 PM

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CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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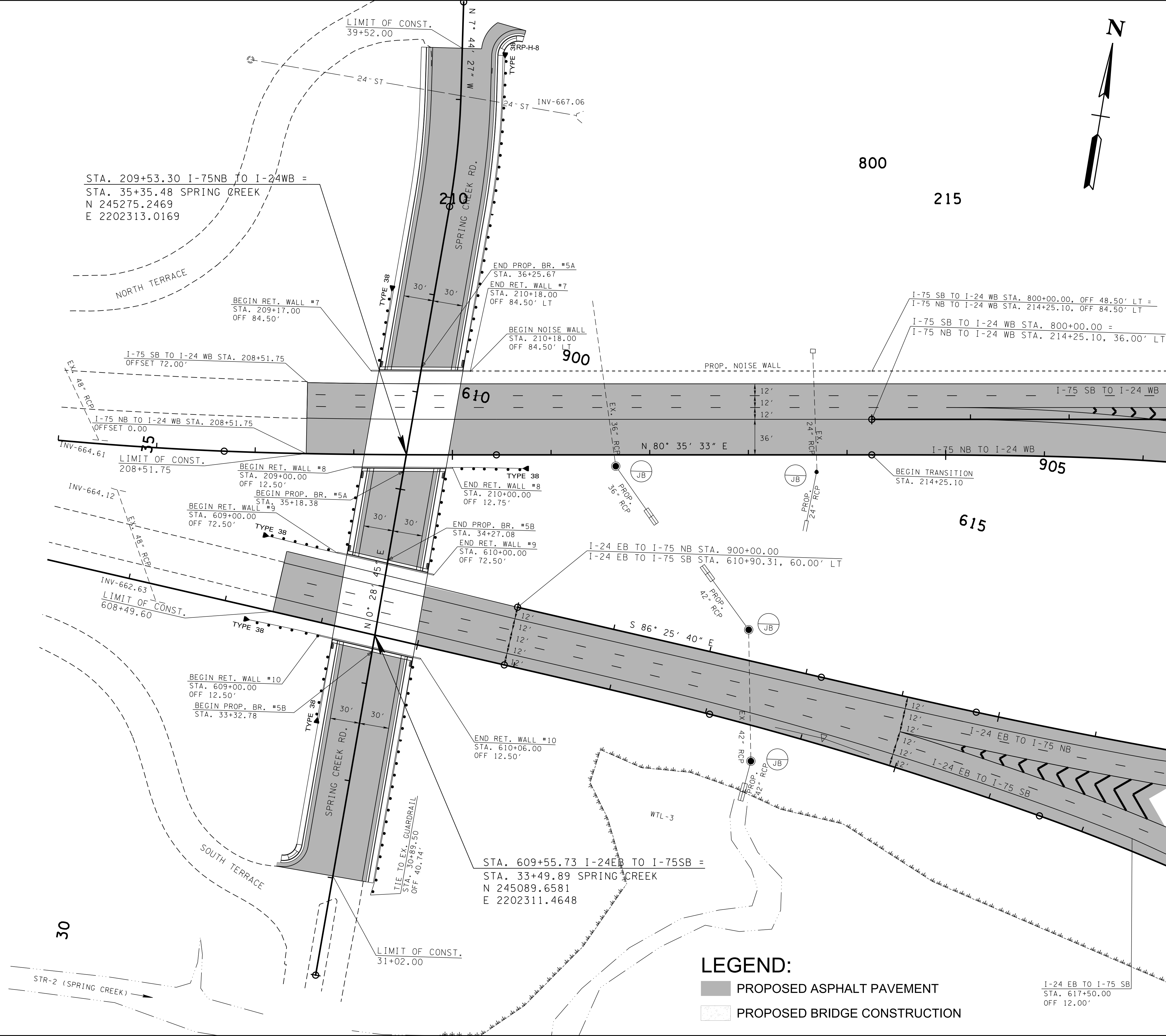
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROFILE

STA. 436+00 TO STA. 449+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	15B

10/18/2018 7:51:57 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	16A

REV. 10-18-18: REVISED PROPOSED NOISE WALL LOCATION STA. 210+18 LT TO STA. 803+00 LT.

CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99998 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

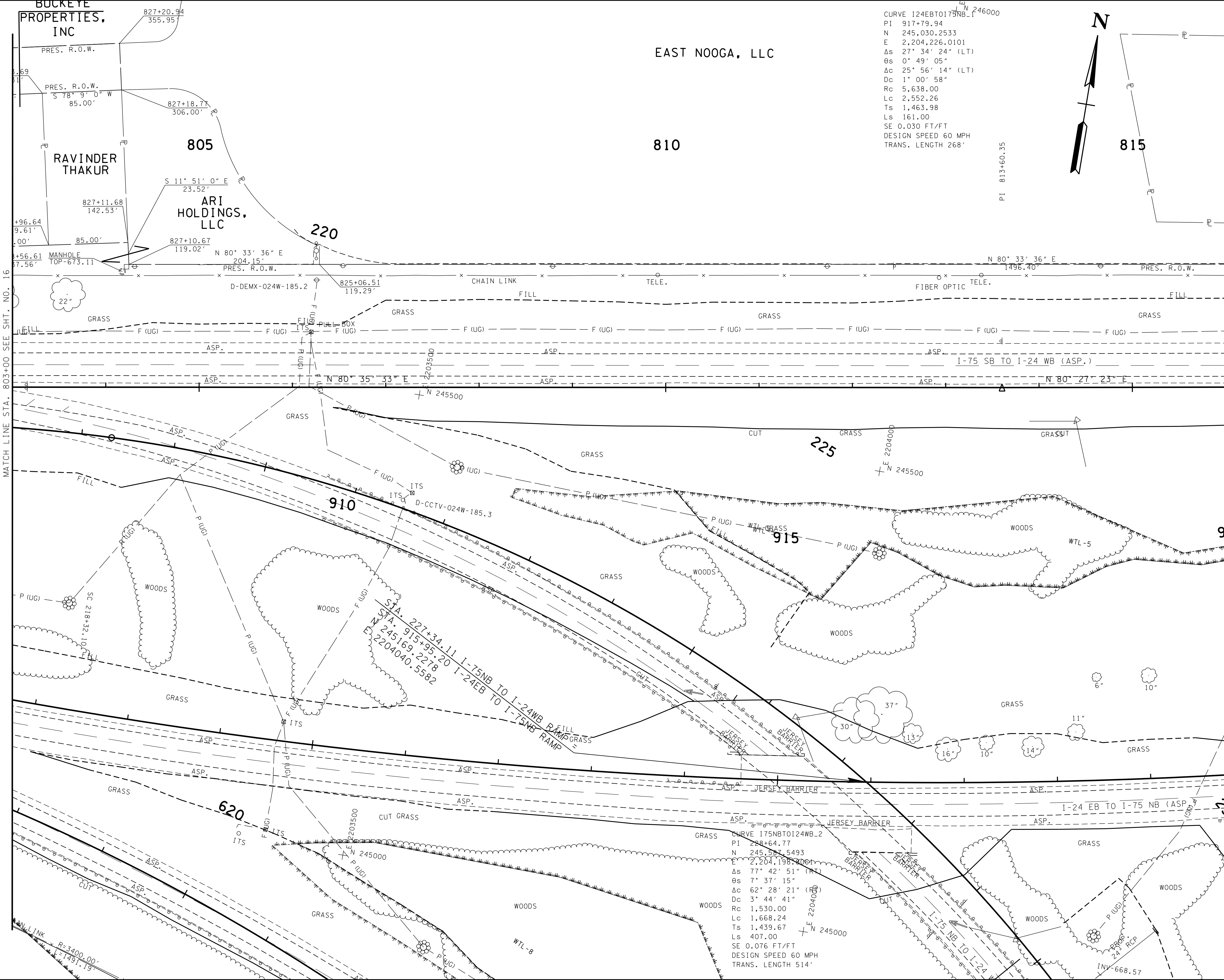
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
LAYOUT
STA. + TO STA. +
SCALE: 1"= 50'

LEGEND:
PROPOSED ASPHALT PAVEMENT
PROPOSED BRIDGE CONSTRUCTION

I-24 EB TO I-75 SB
STA. 617+50.00
OFF 12.00'

10/18/2018 7:51:57 PM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	17

REV. 10-18-18: REVISED SLOPE LINES
ALONG PROPOSED NOISE WALL LOCATION
STA. 803+00 LT TO STA. 806+92 LT.

CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

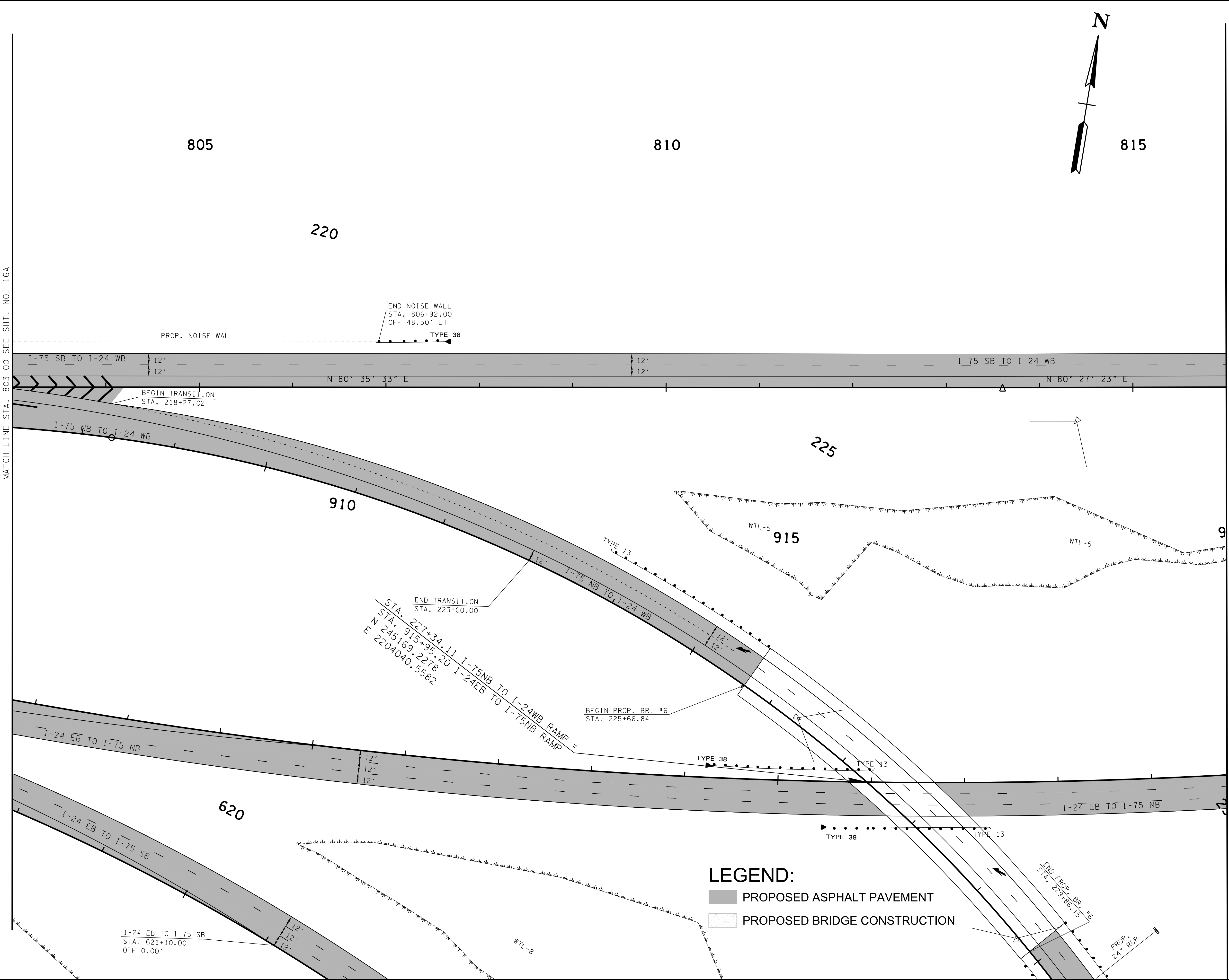
PRESENT
LAYOUT

STA. 803+00 TO STA. 816+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	17A

REV. 10-18-18: REVISED PROPOSED NOISE WALL LOCATION STA. 803+00 LT TO STA. 806+92 LT.



CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

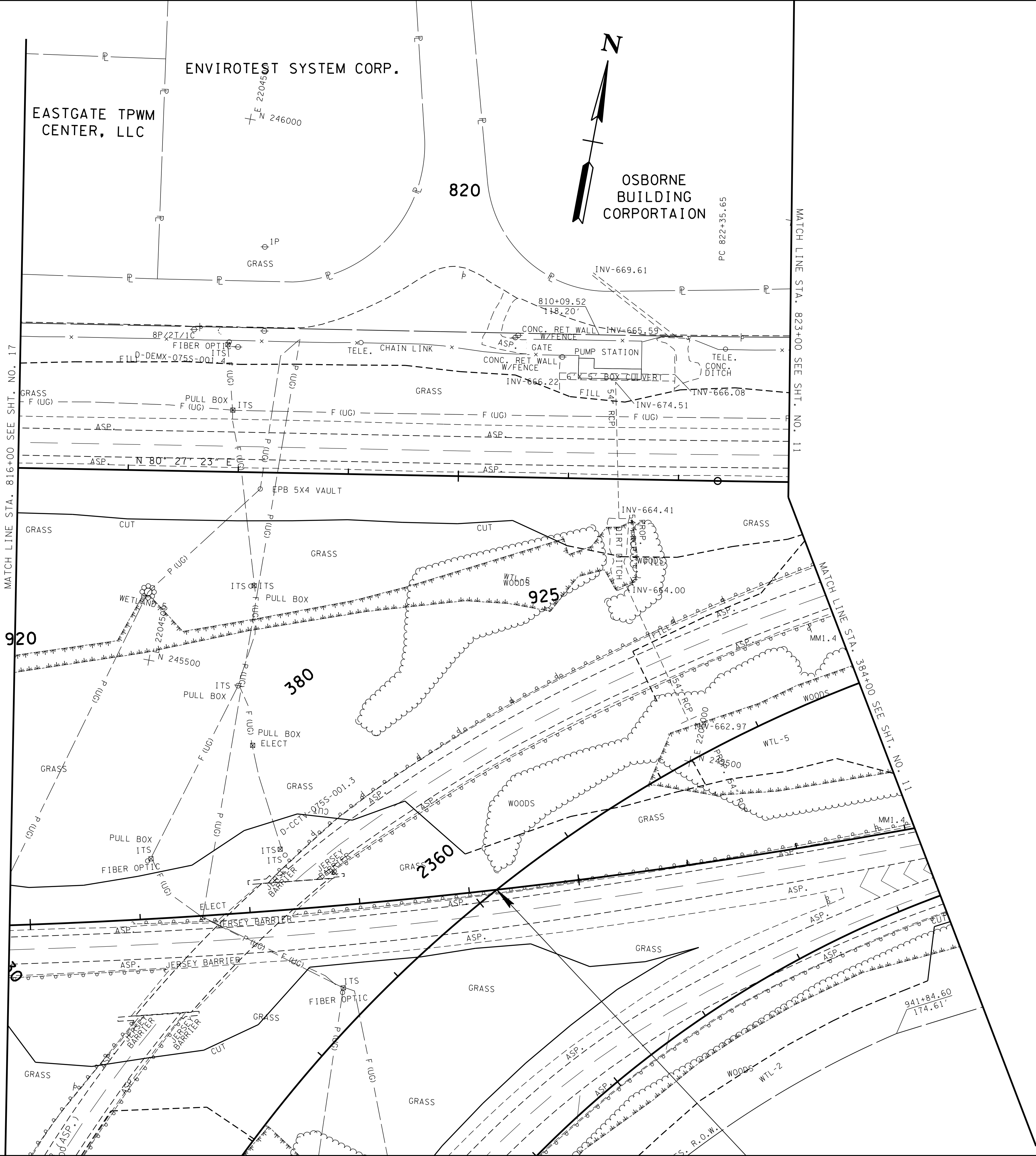
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
LAYOUT
STA. + TO STA. +
SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	18



CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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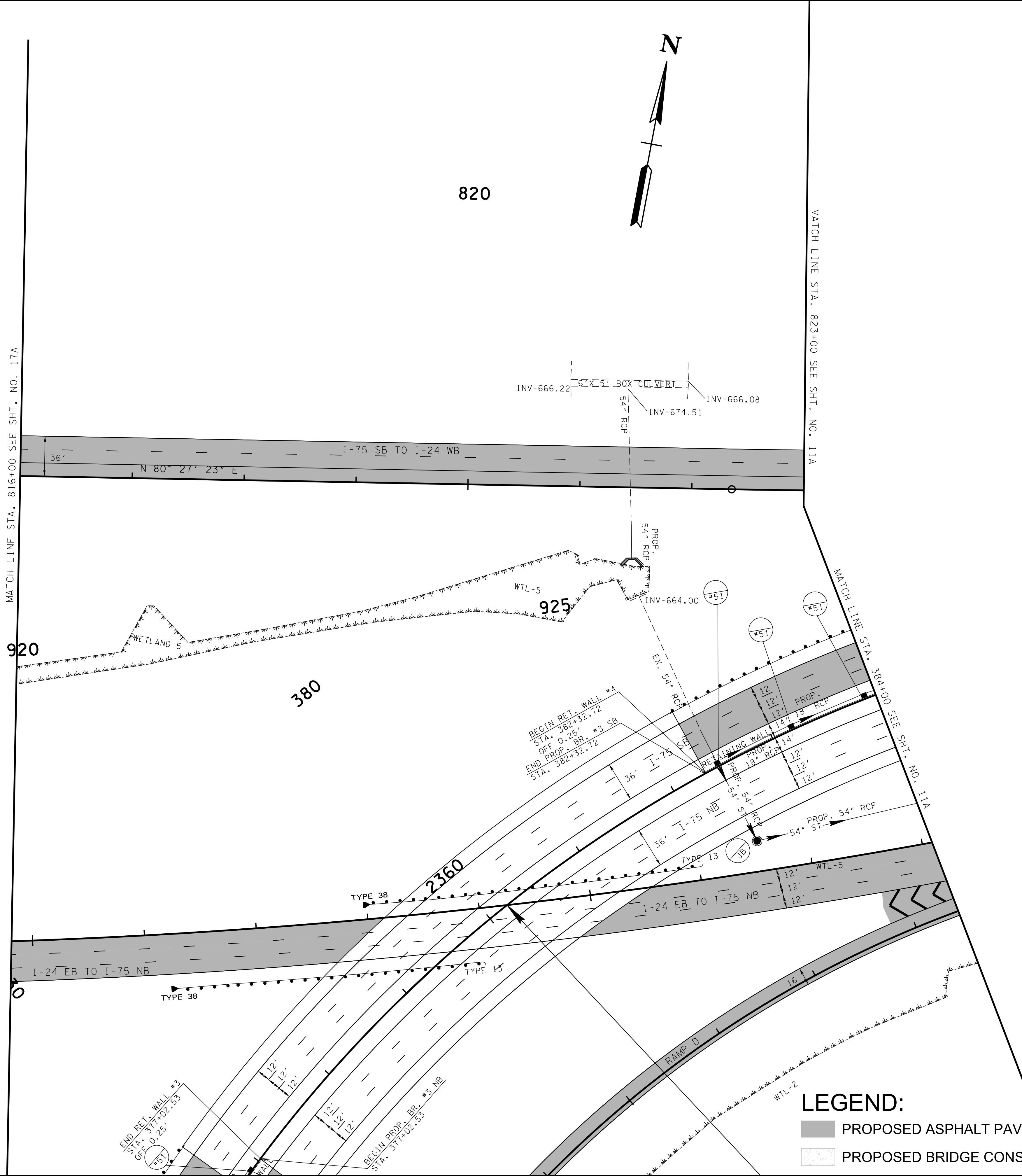
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PRESENT
LAYOUT
STA. 816+00 TO STA. 823+00
SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	18A

8/9/2018 5:34:02 PM

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LEGEND:

- PROPOSED ASPHALT PAVEMENT
- PROPOSED BRIDGE CONSTRUCTION

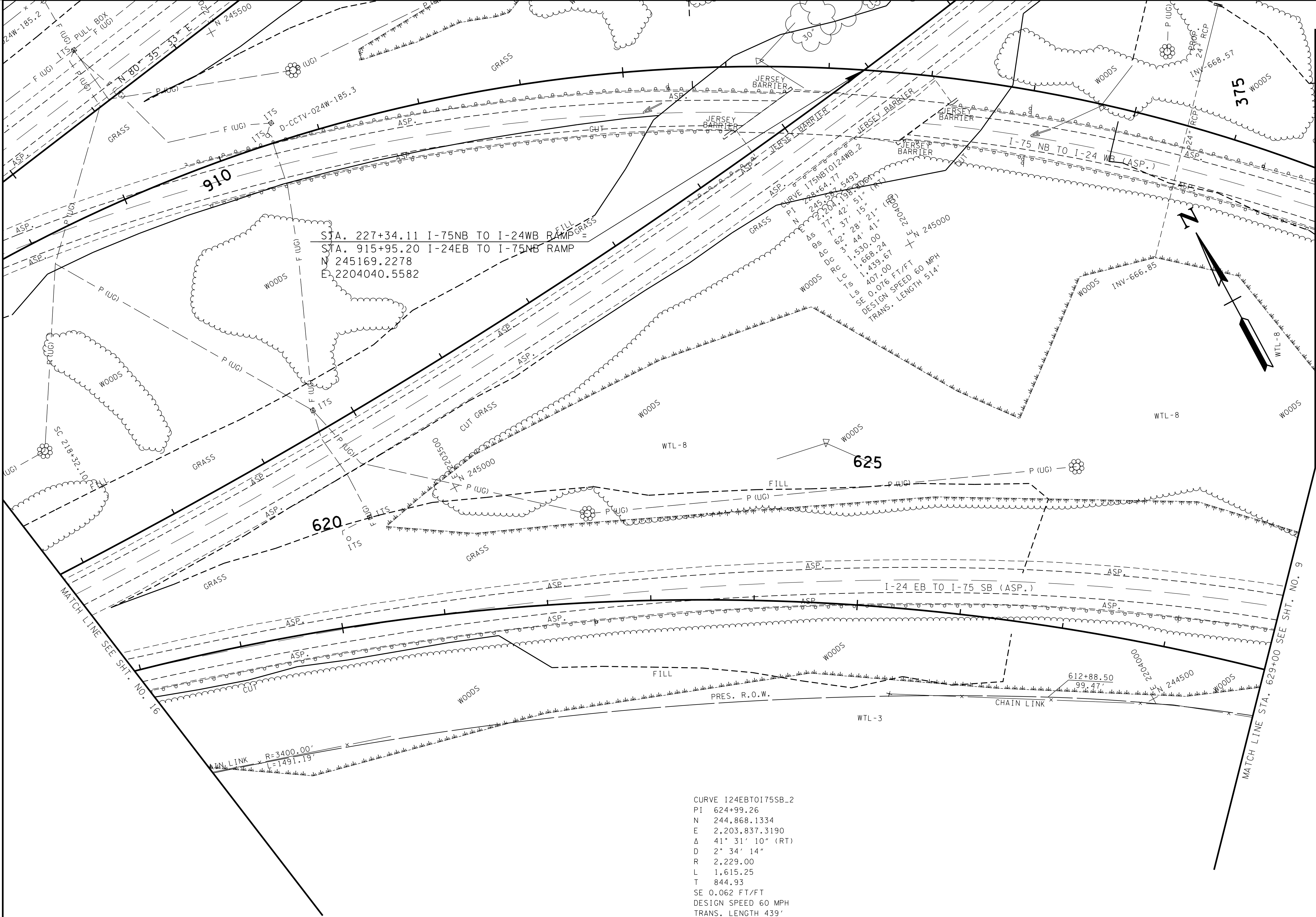
CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
LAYOUT
STA. 816+00 TO STA. 823+00
SCALE: 1"= 50'



CURVE 124EBT0175SB_2
PI 624+99.26
N 244,868.1334
E 2,203,837.3190
Δ 41° 31' 10" (RT)
D 2° 34' 14"
R 2,229.00
L 1,615.25
T 844.93
SE 0.062 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 439'

FLETCHER BRIGHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	19

CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

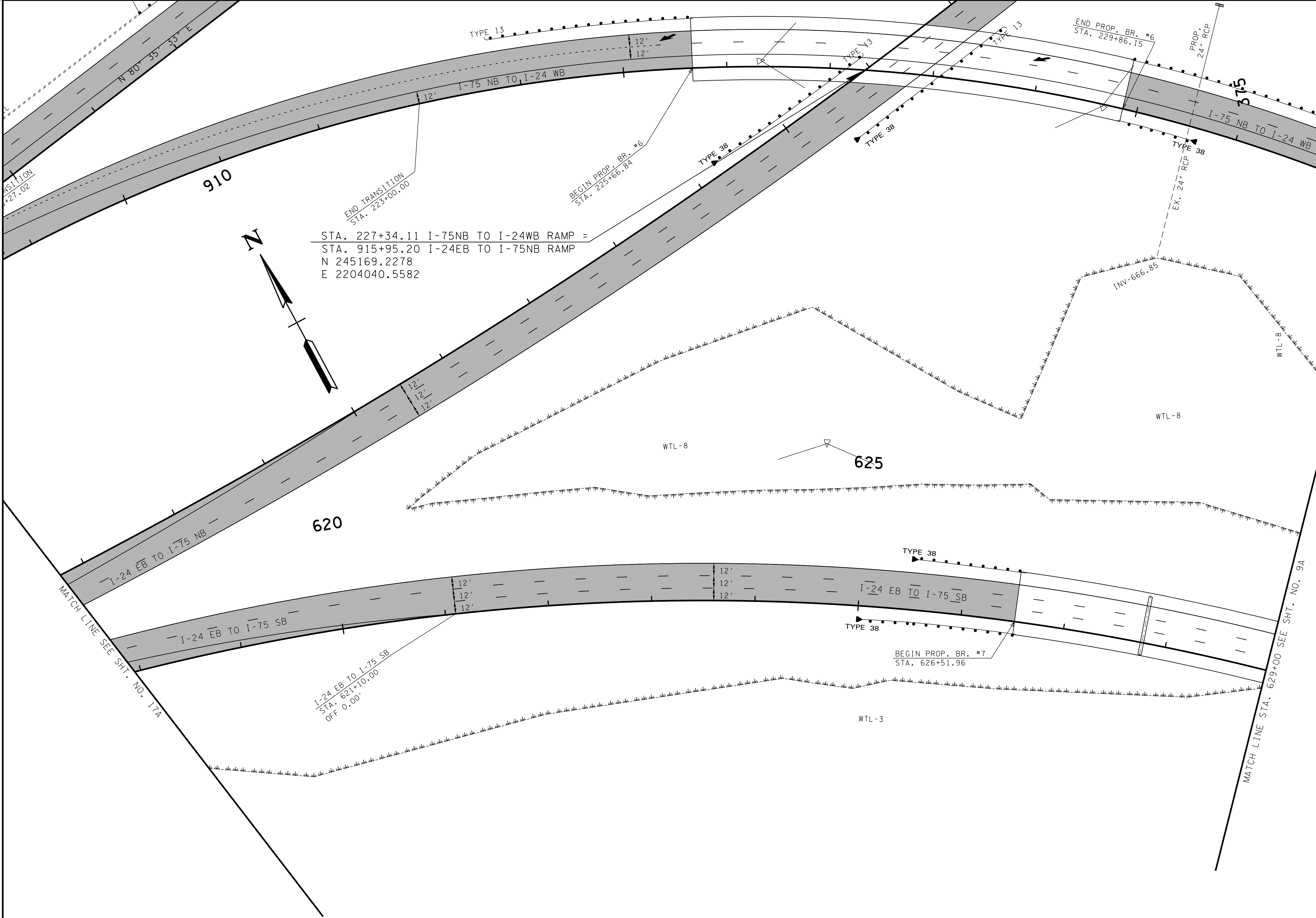
COORDINATES ARE NAD/83(1995),
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PRESENT
LAYOUT
STA. + TO STA. +
SCALE: 1"= 50'

8/9/2018 5:34:03 PM

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STA. 227+34.11 I-75NB TO I-24WB RAMP =
STA. 915+95.20 I-24EB TO I-75NB RAMP
N 245169.2278
E 2204040.5582

I-24 EB TO I-75 SB
STA. 626+10.00
OFF 0.00'

LEGEND:

- PROPOSED ASPHALT PAVEMENT
- PROPOSED BRIDGE CONSTRUCTION

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	19A

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

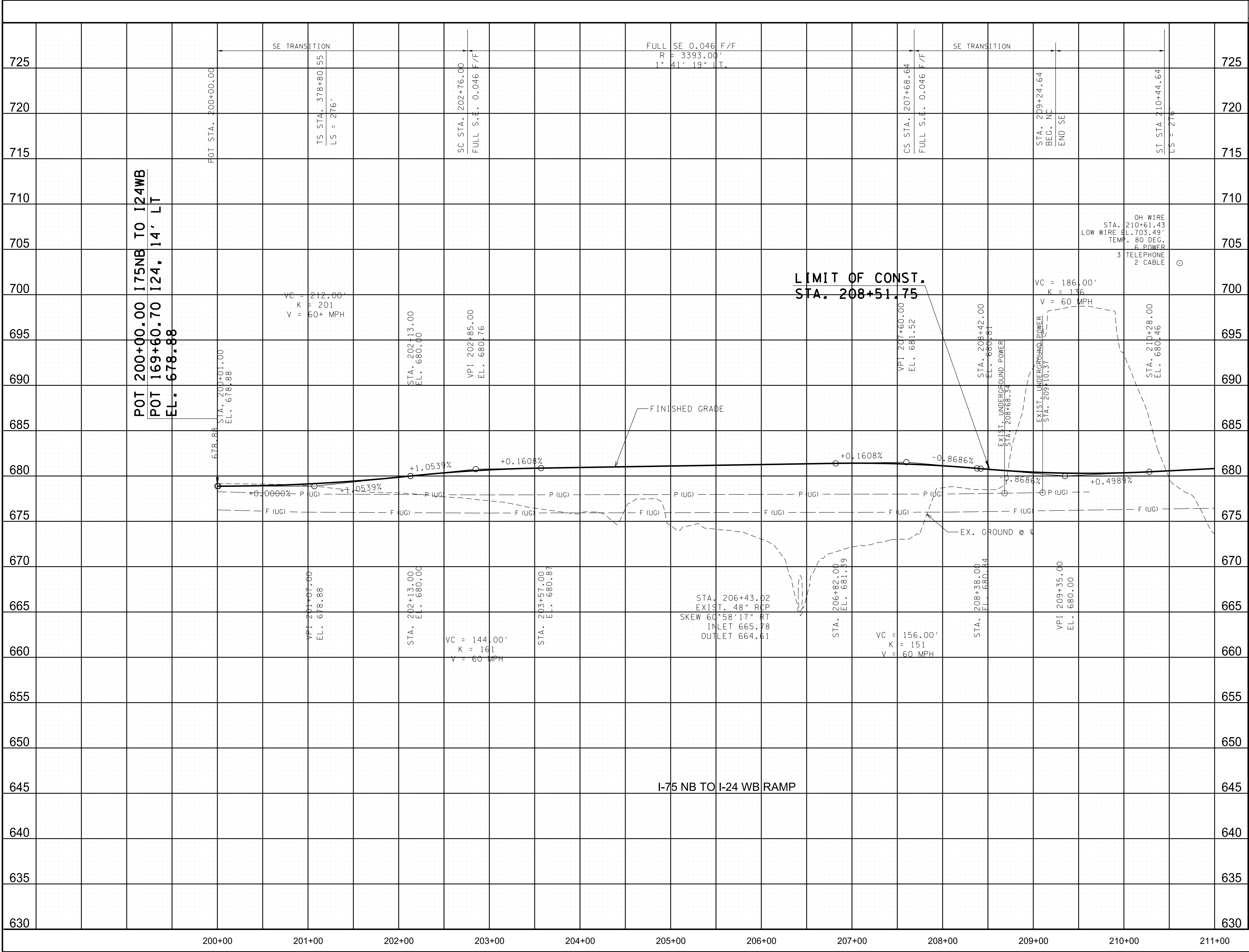
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
LAYOUT

STA. + TO STA. +

SCALE: 1"= 50'



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	20

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

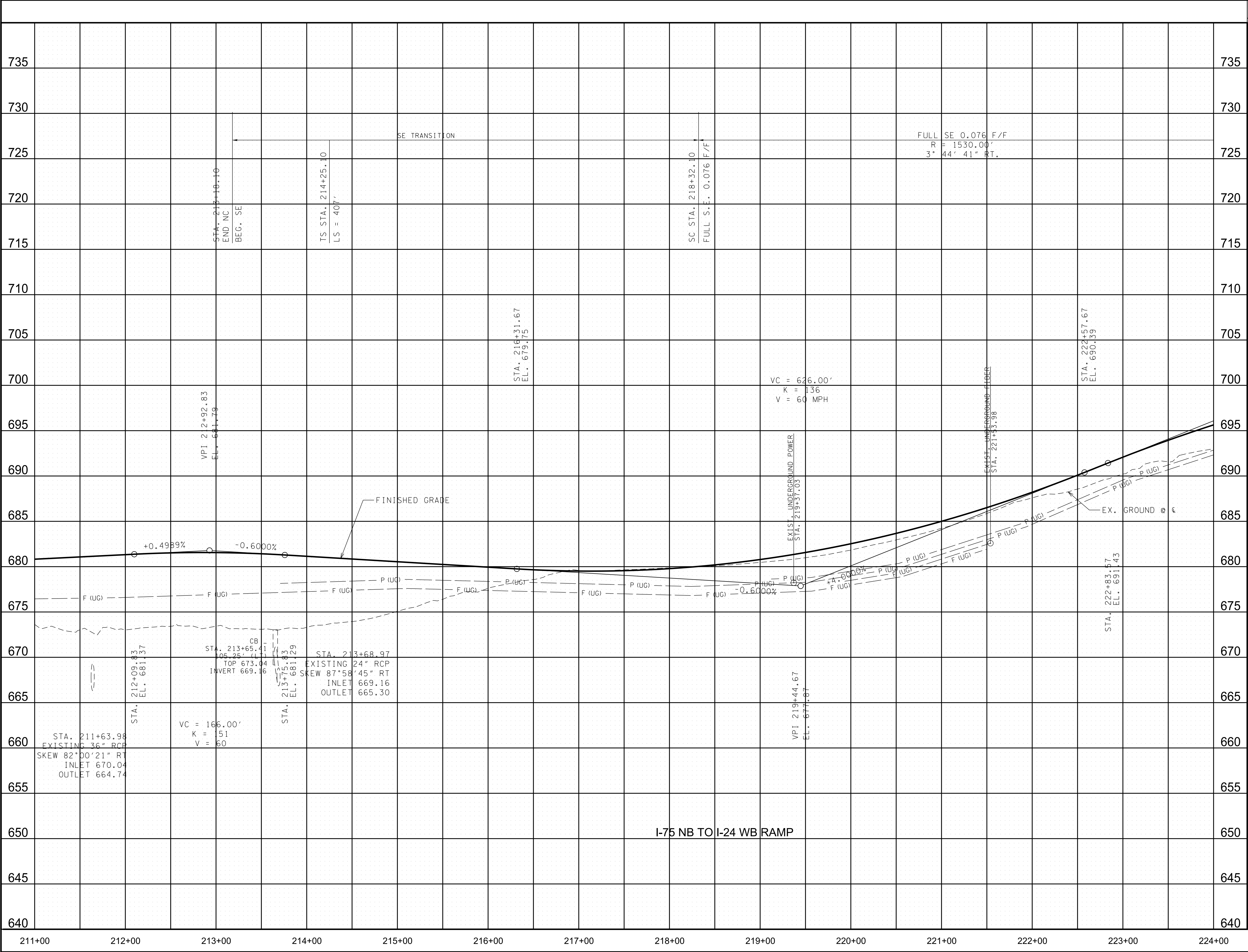
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	21

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

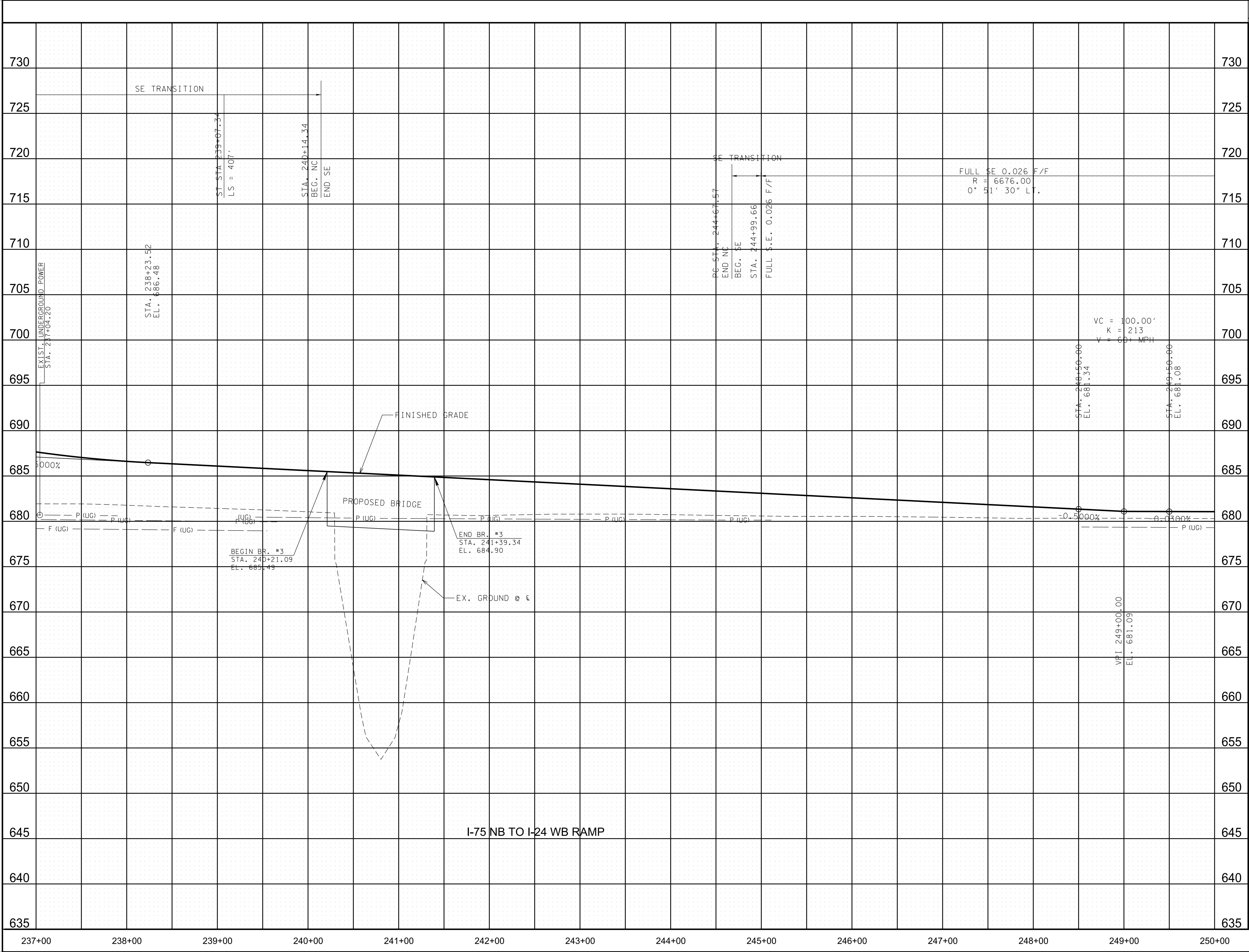
RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.

CELL MGRID

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	23

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

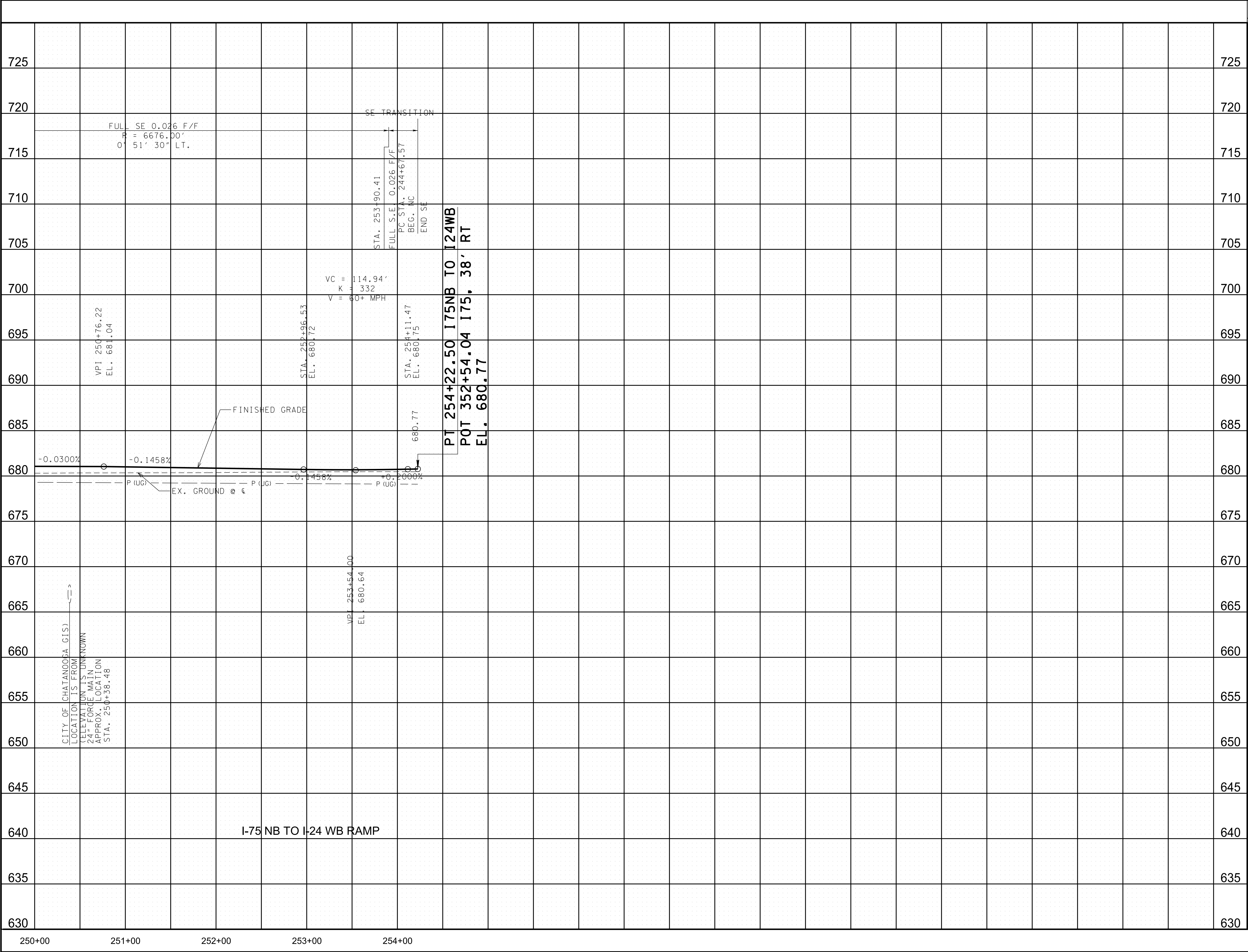
SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.



CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

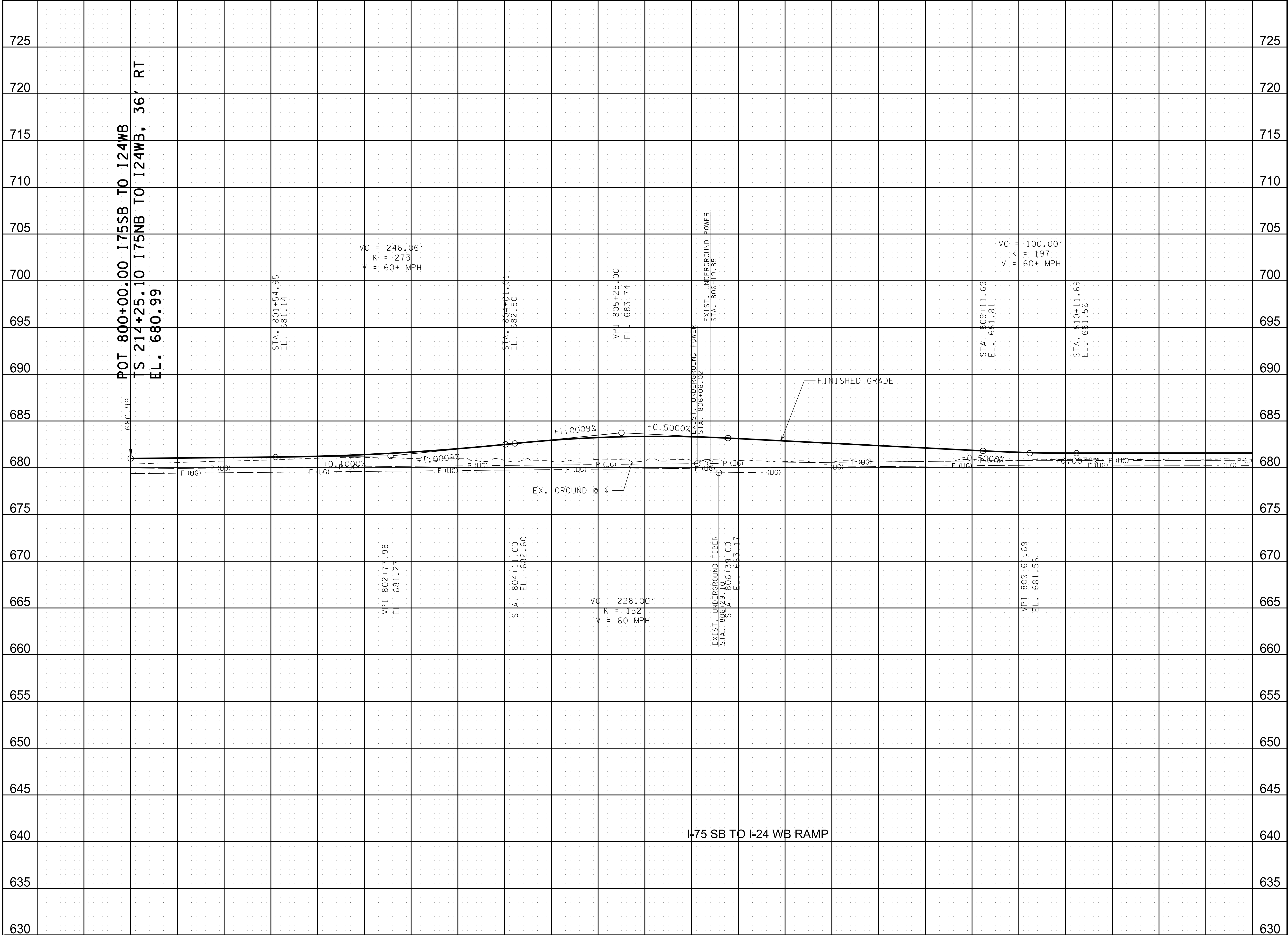
SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	25

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

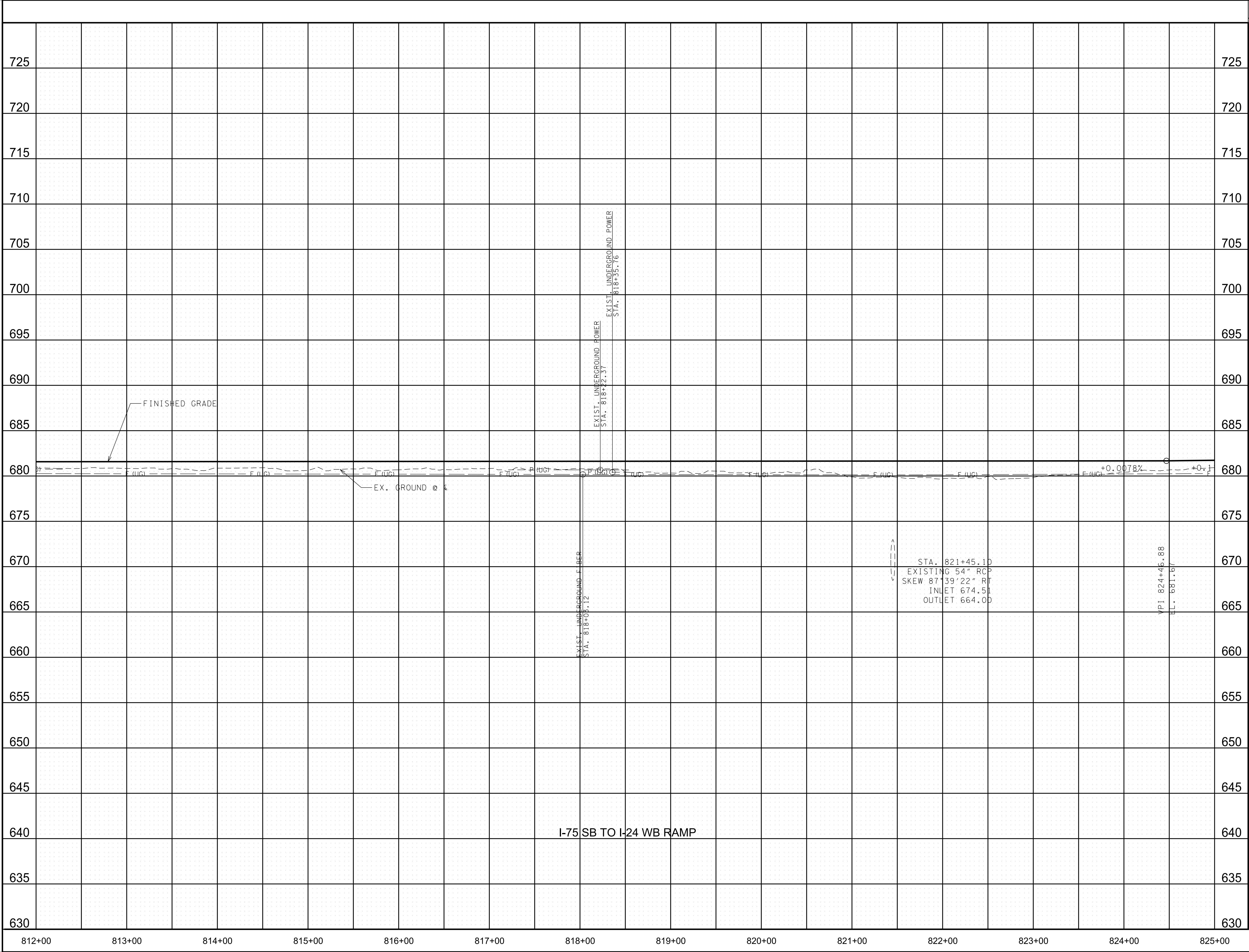
SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=50' VERT.



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	26

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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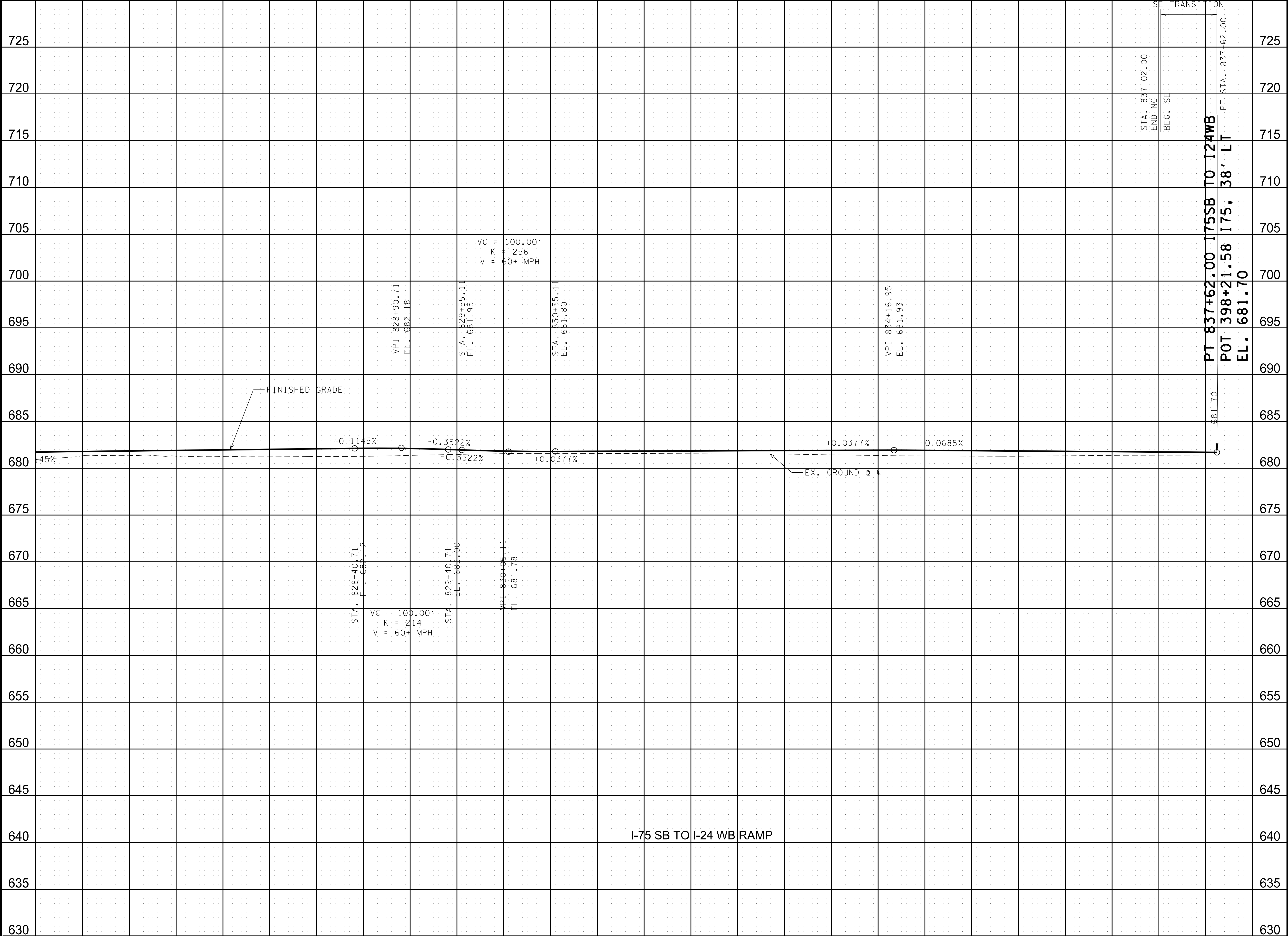
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.

CELL MGRID

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Y:\Projects\0010000\0014000\14304 I-75 Interchange at I-24 Owners Rep TDOT\Dgn\027.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	27

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

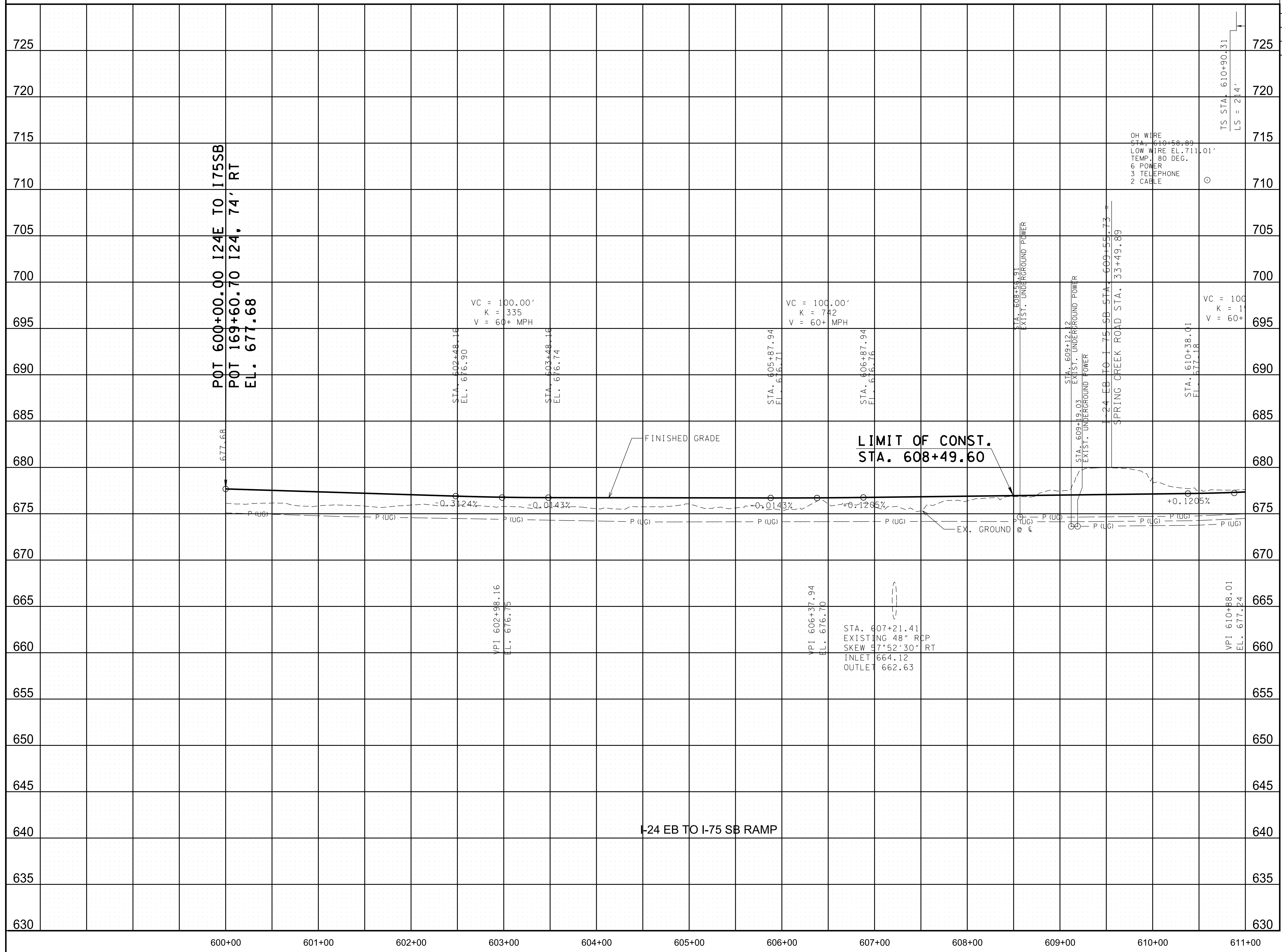
SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.



**CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE**

SEALD BY

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**STATE OF TENNESSEE
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TRANSPORTATION**

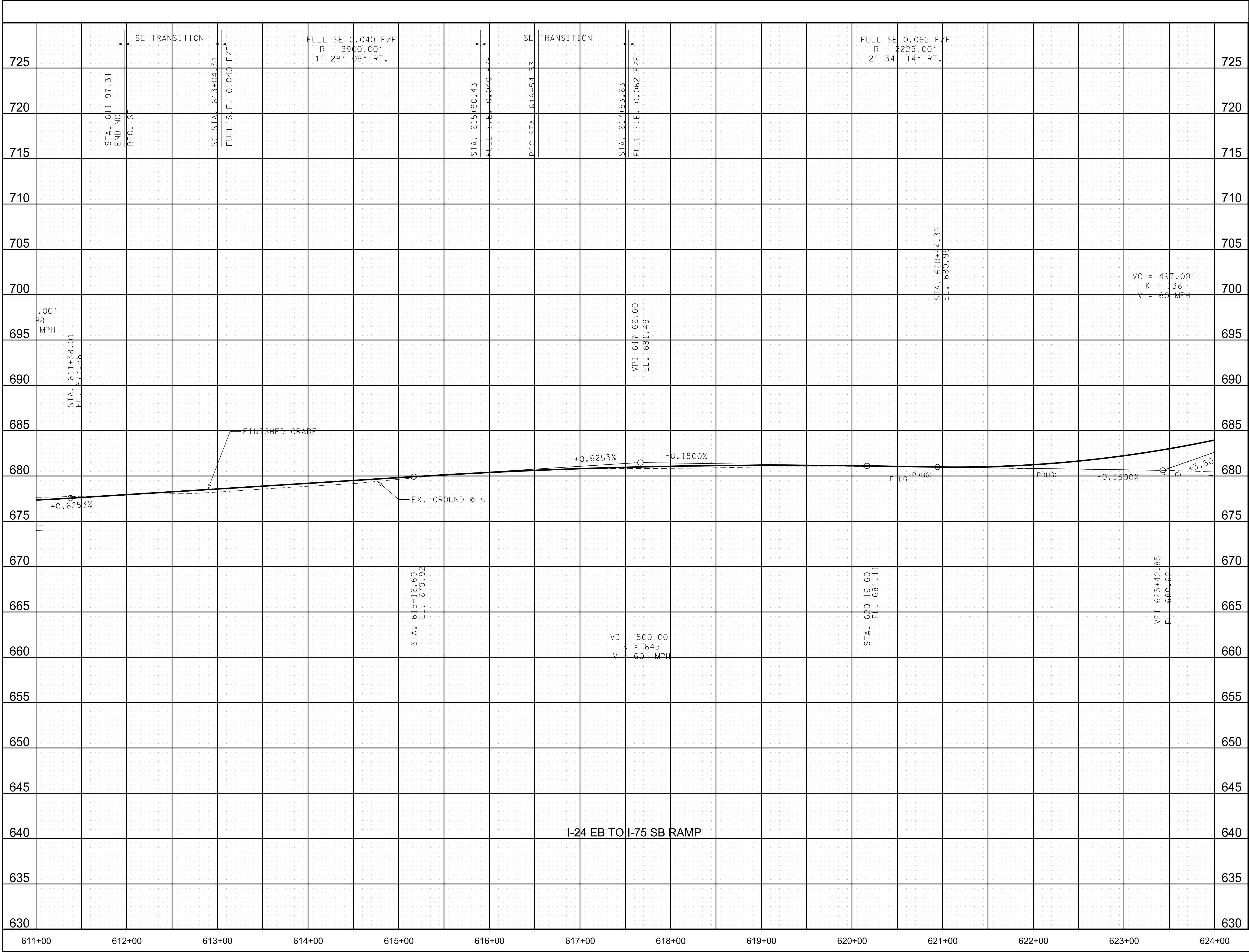
RAMP PROFILES

SCALE: 1"= 50' HORIZ
1"=5 ' VERT

CELL MGRID

8/9/2018 5:34:10 PM

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	29

**CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE**

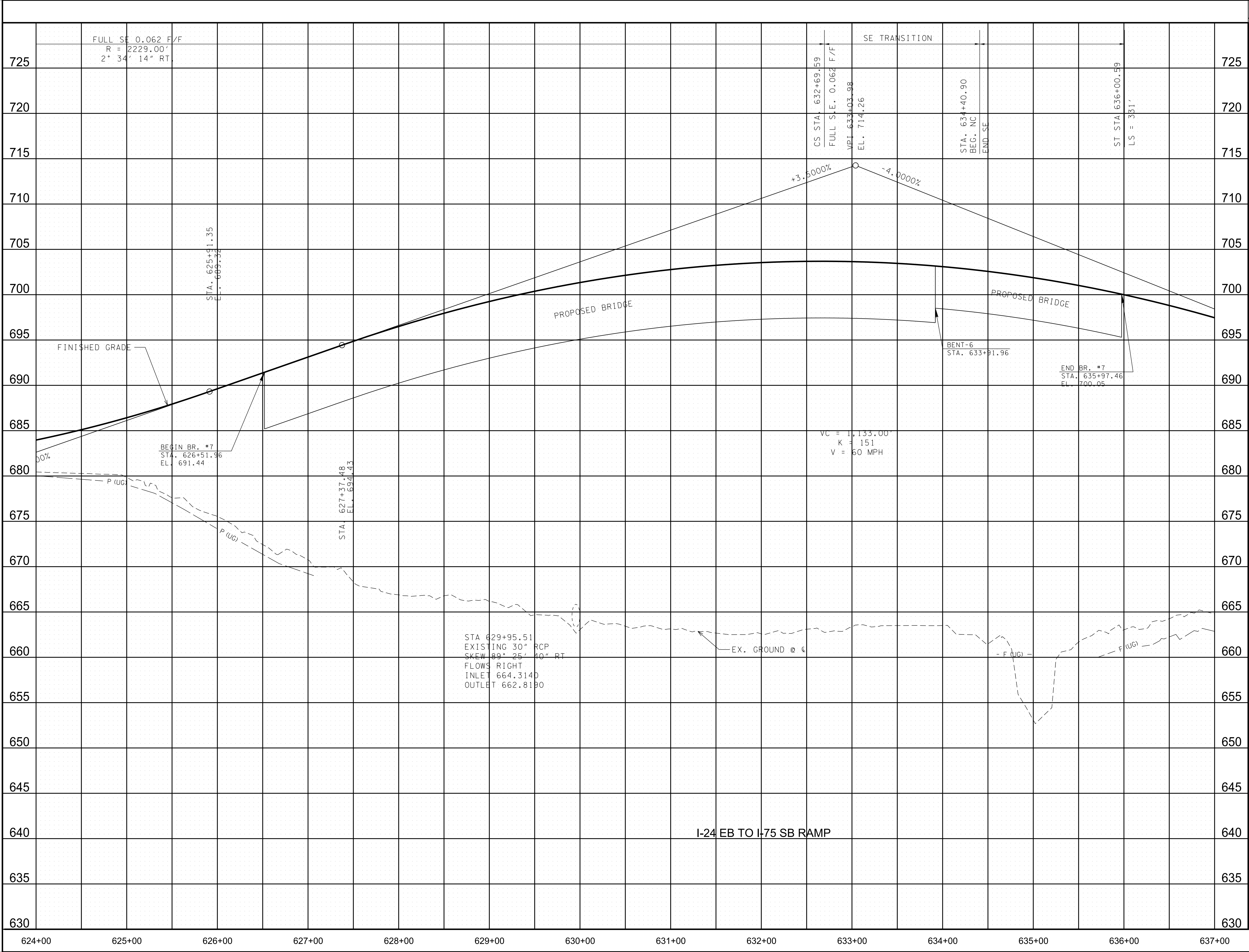
SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99998 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

**STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION**

**RAMP
PROFILES**

SCALE: 1"= 50' HORIZ.
1"=5' VERT.



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	30

CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

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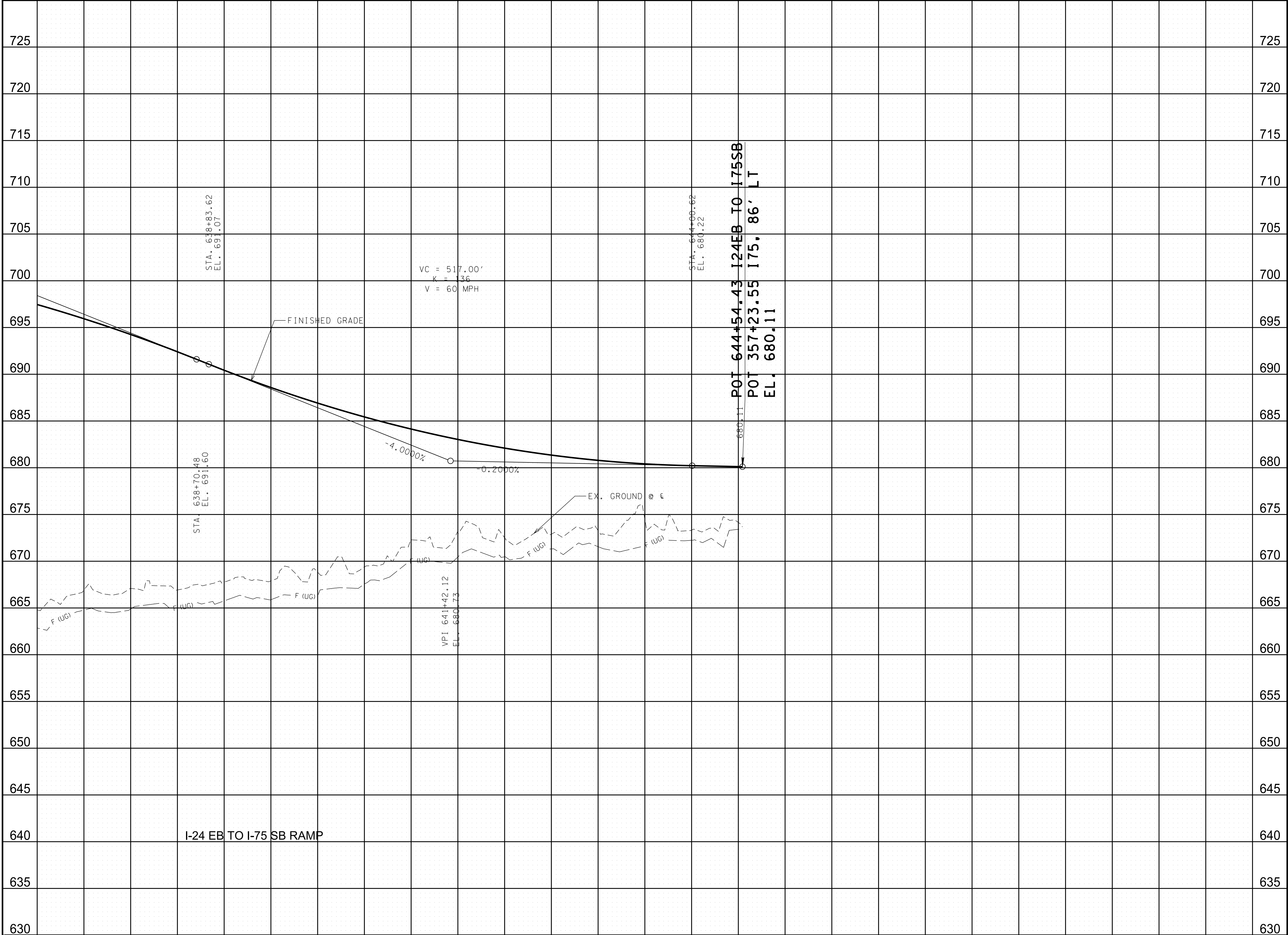
RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.

CELL MGRID

8/9/2018 5:34:11 PM

Y:\Projects\0010000\0014000\14304 I-75 Interchange at I-24 Owners Rep TDOT\Dgn\031.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	31

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

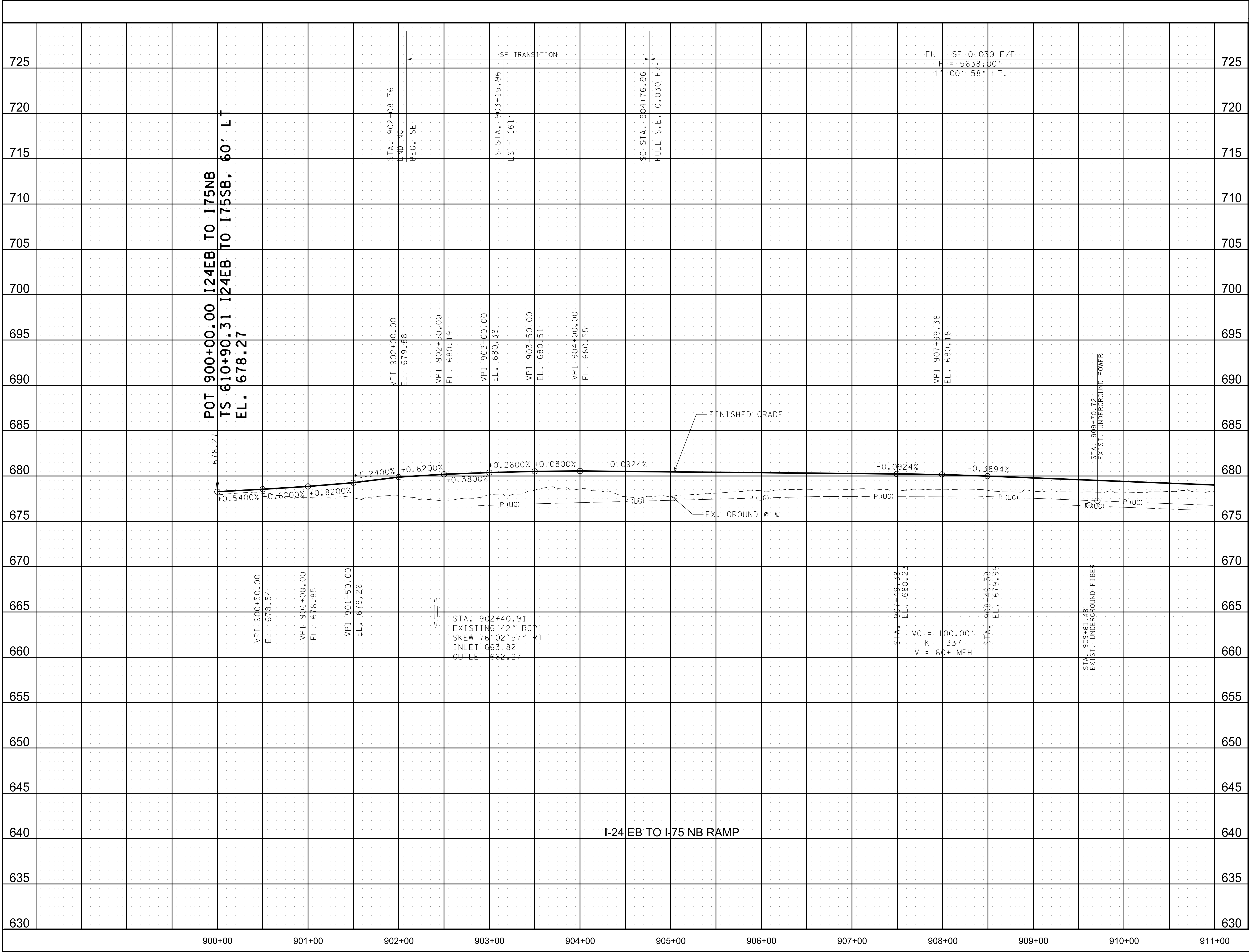
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TRANSPORTATION

RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	32

CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

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TRANSPORTATION

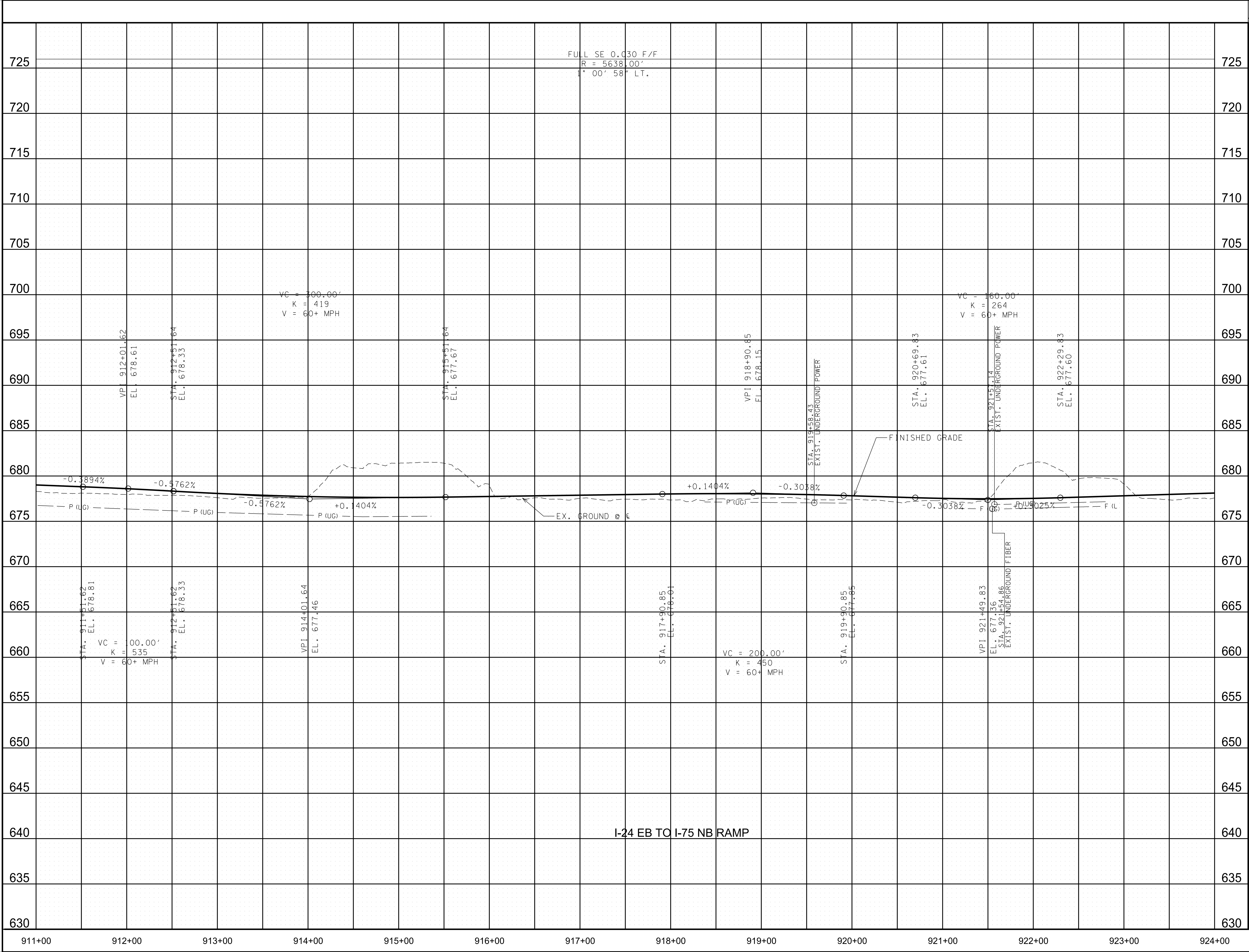
RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.

CELL MGRID

8/9/2018 5:34:13 PM

Y:\Projects\0010000\0014000\14304 I-75 Interchange at I-24 Owners Rep TDOT\Dgn\033.sht



I-24 EB TO I-75 NB RAMP

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	33

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

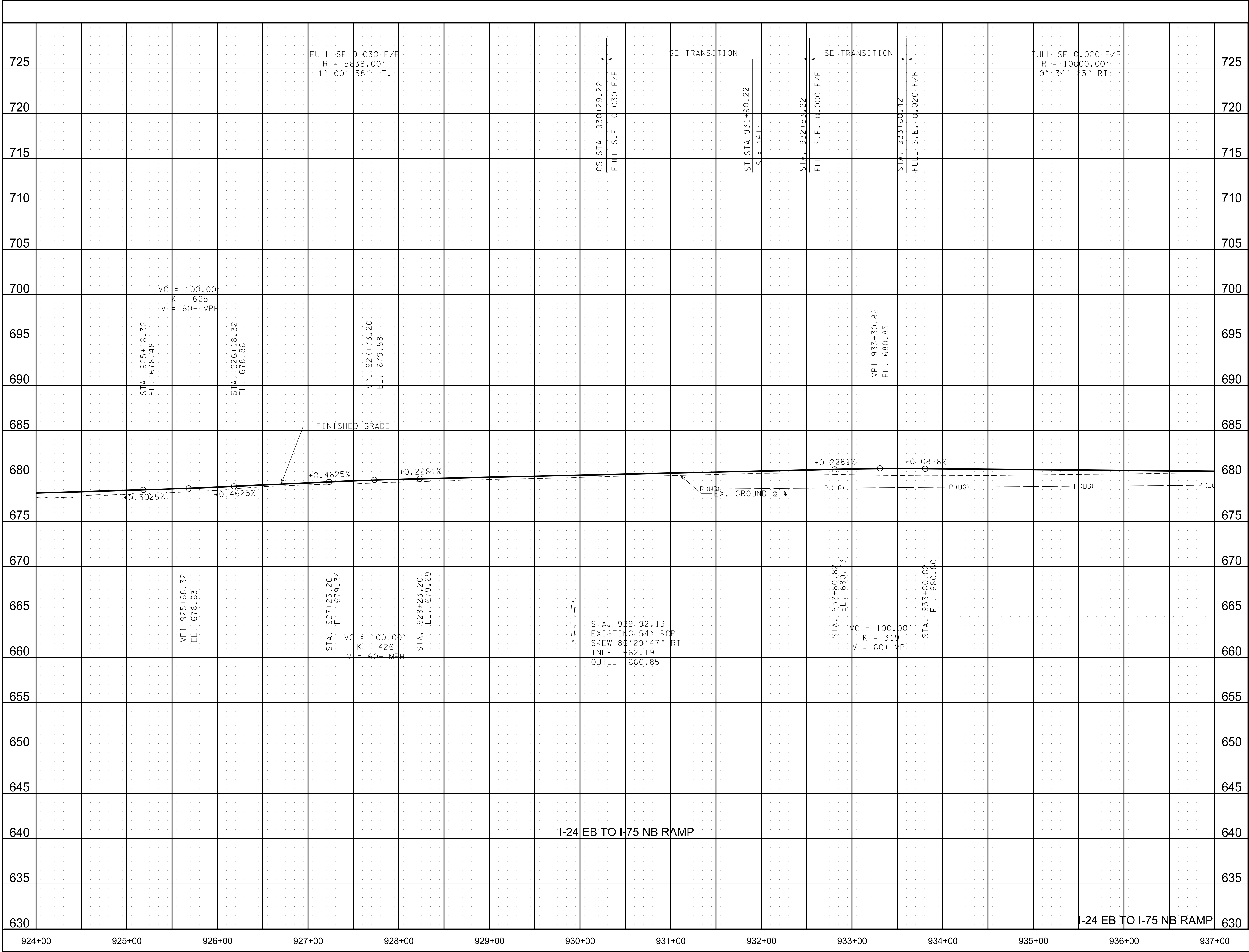
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COORDINATES ARE NAD/83(1995),
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RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	34

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

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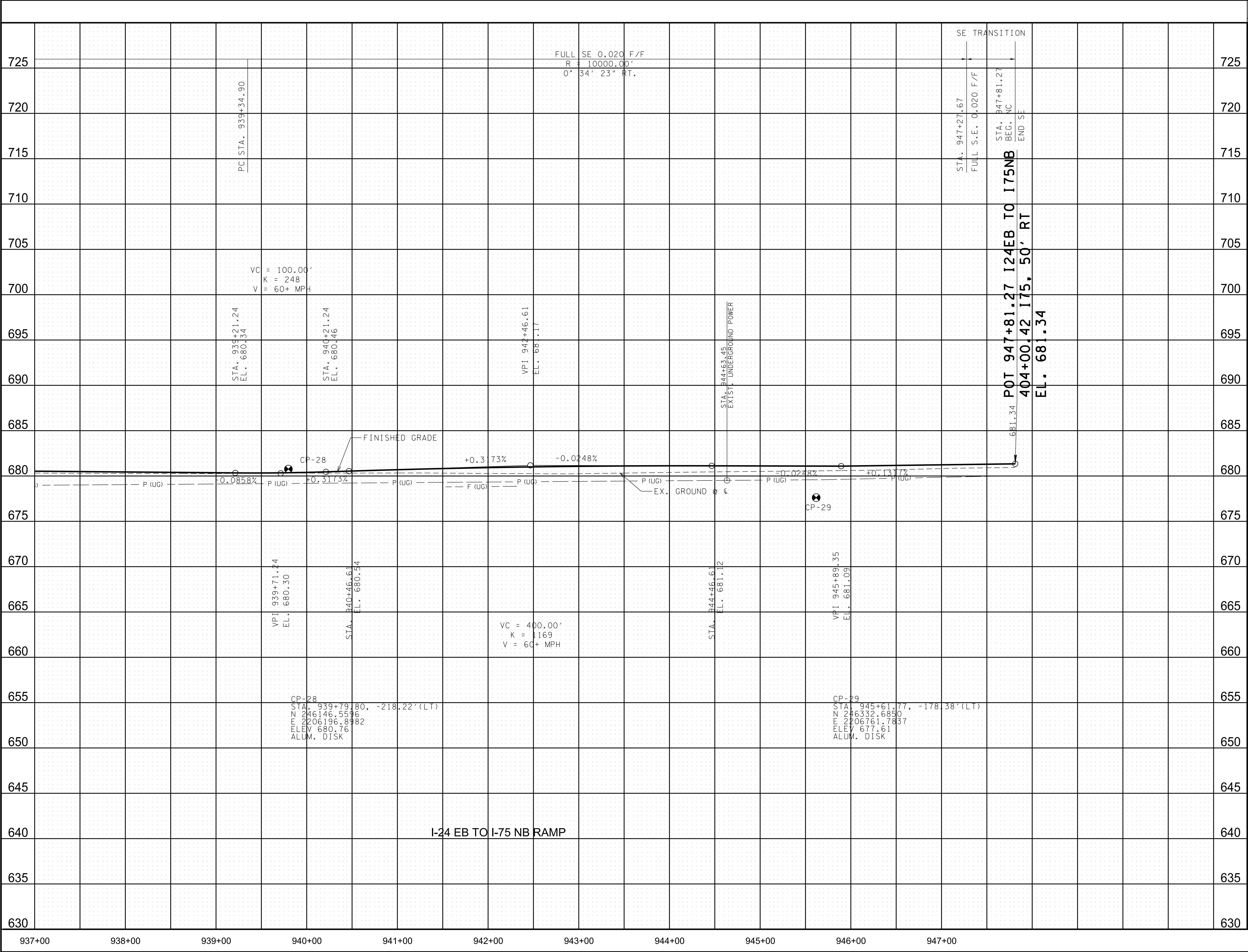
RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.

CELL MORID

8/9/2018 5:34:15 PM

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	35

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

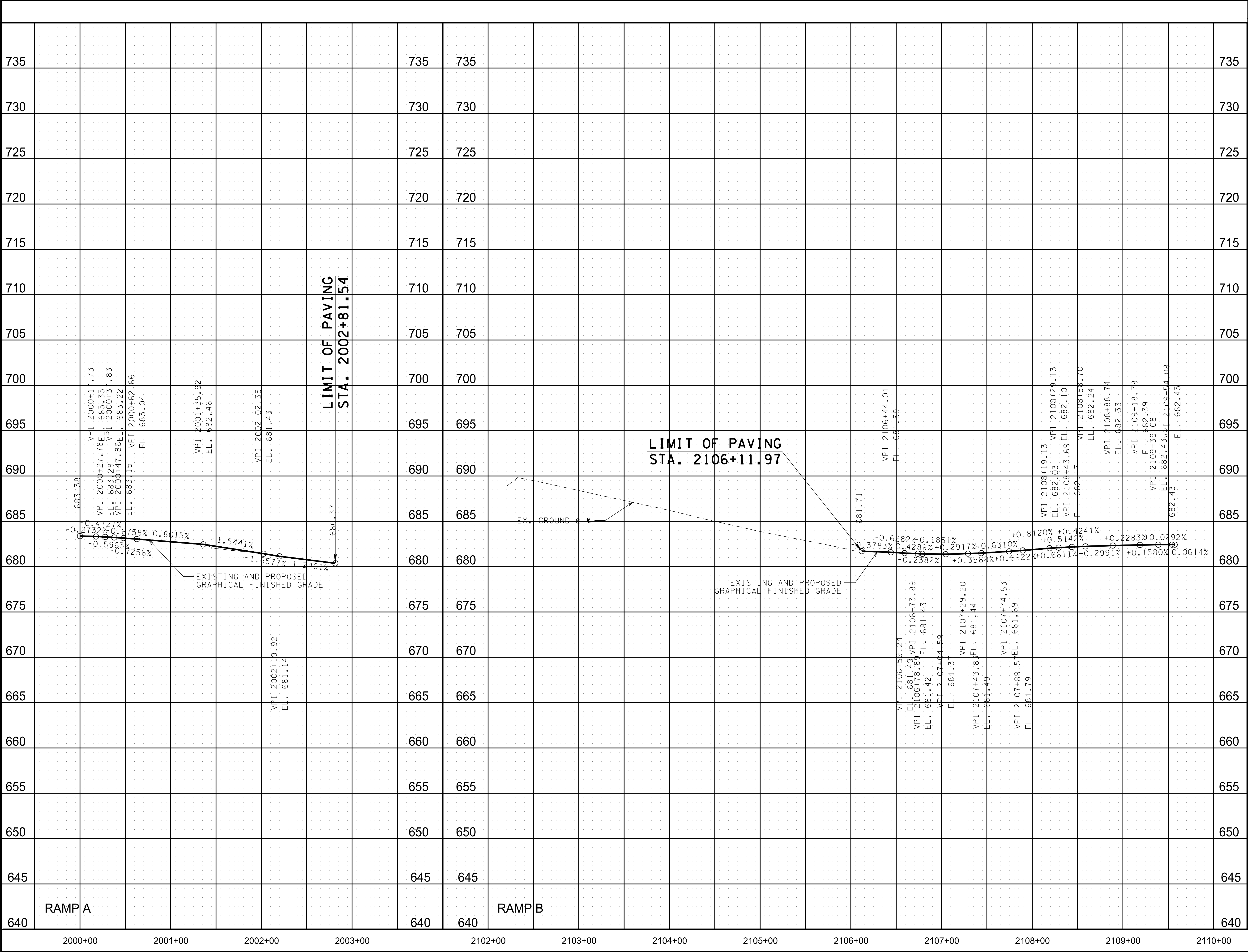
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TRANSPORTATION

RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.



CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

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TRANSPORTATION

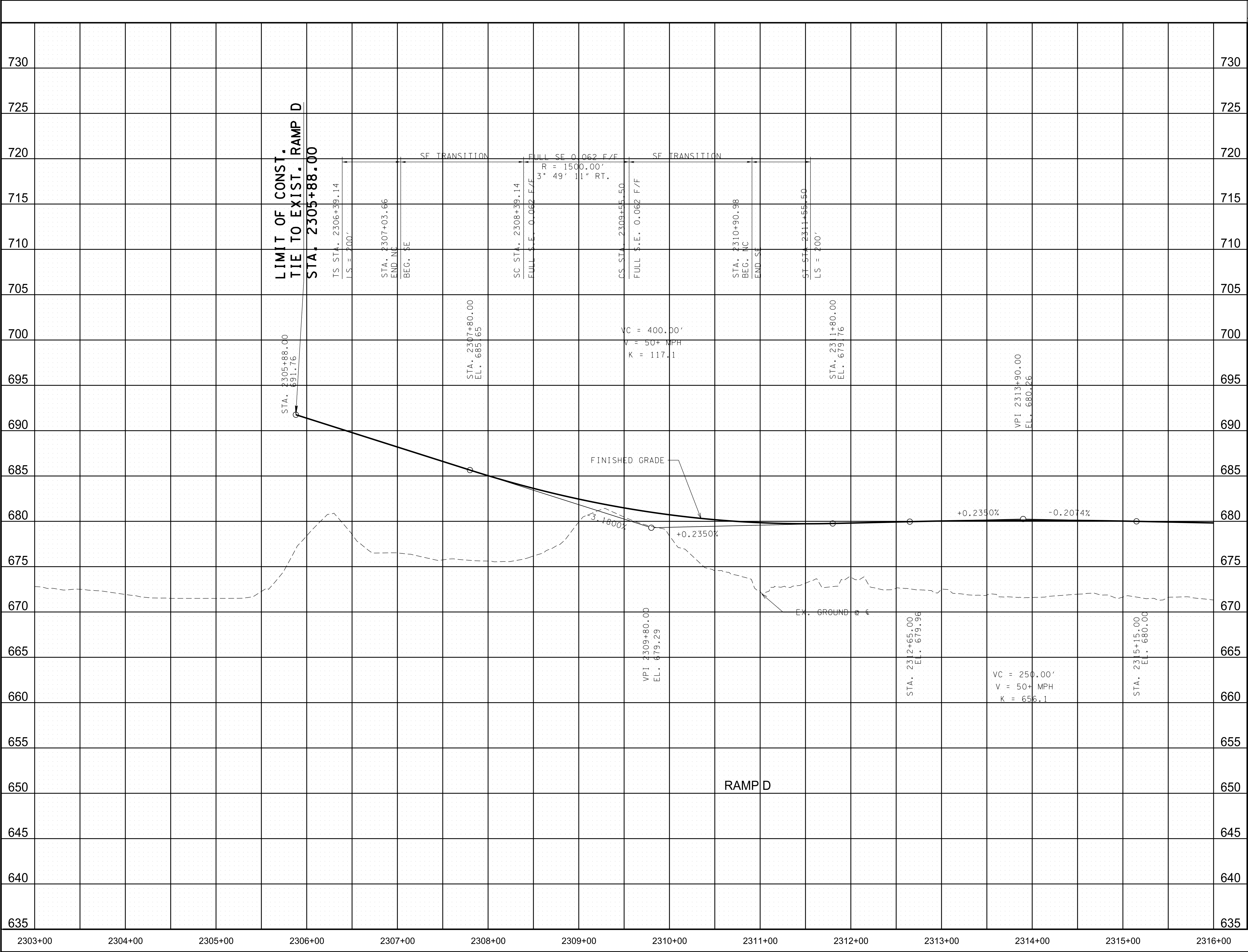
RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.

CELL MGRID

8/9/2018 5:34:17 PM

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	38

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

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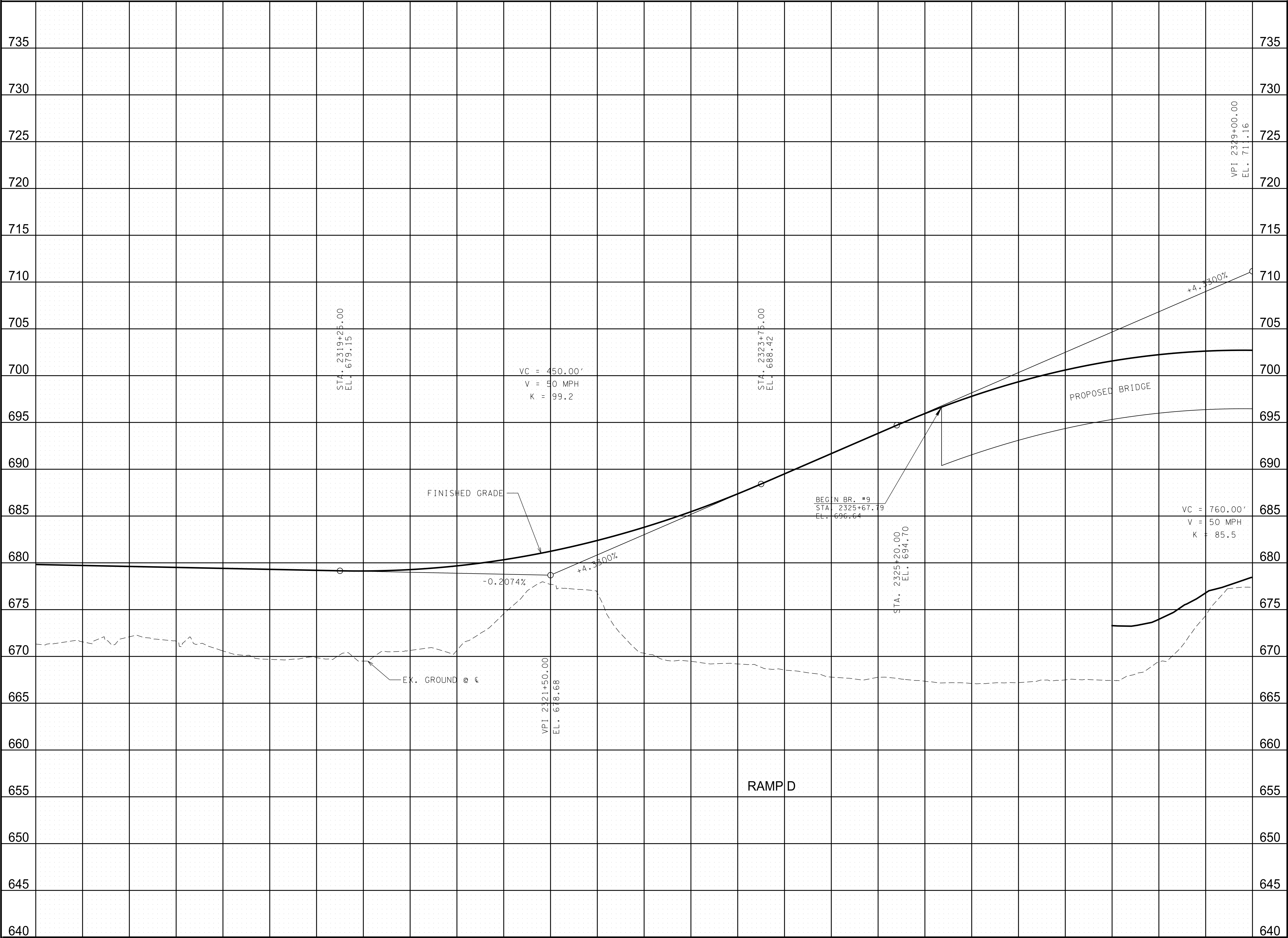
RAMP
PROFILE

STA.2303+00 TO STA.2316+00
SCALE: 1"=50' HORIZ.
1"=5' VERT.

CELL MGRID

8/9/2018 5:34:18 PM

Y:\Projects\0010000\0014000\14304 I-75 Interchange at I-24 Owners Rep TDOT\TDgm039.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	39

CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

COORDINATES ARE NAD/83(1995),
ARE DATUM ADJUSTED BY THE
FACTOR OF 1.000 AND TIED TO
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REFERENCED TO THE NAVD 1988.

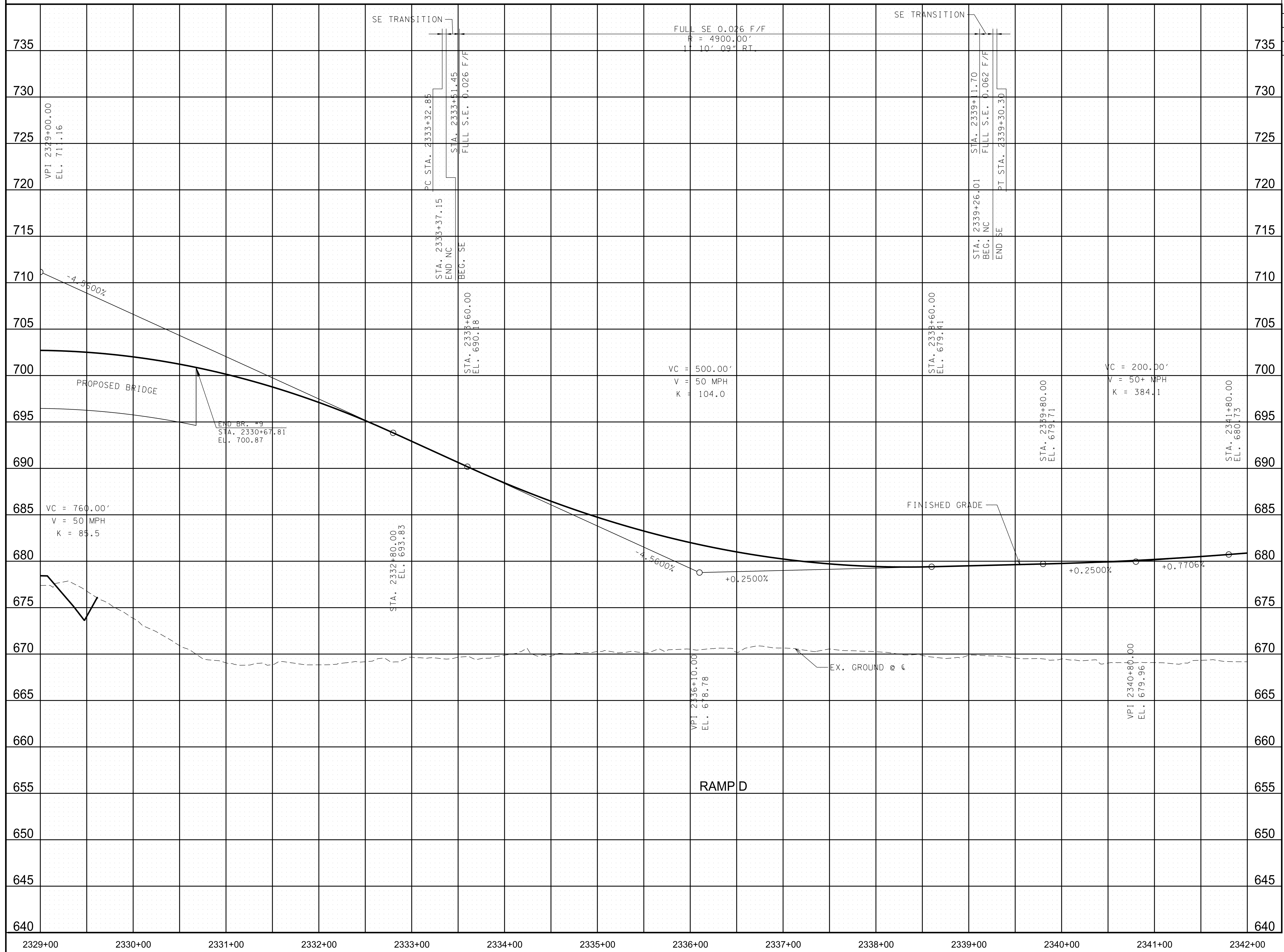
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP
PROFILE

STA.2316+00 TO STA.2329+00

SCALE: 1"=50' HORIZ.
1"=5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	40



CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP PROFILE

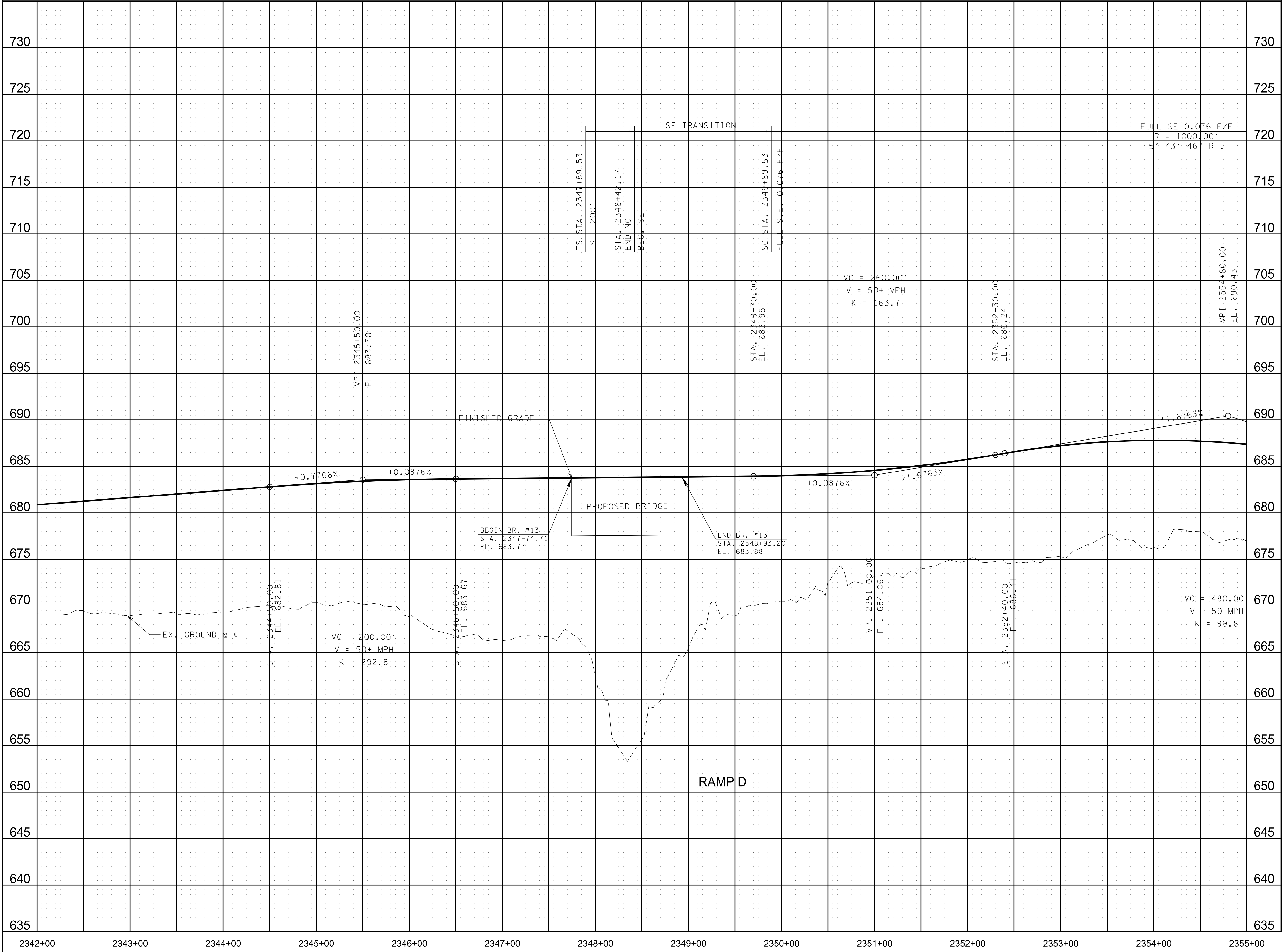
STA.2329+00 TO STA.2342+00

SCALE: 1"=50' HORIZ.
1"=5' VERT.

CELL MORID

8/9/2018 5:34:19 PM

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	41

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

COORDINATES ARE NAD/83(1995),
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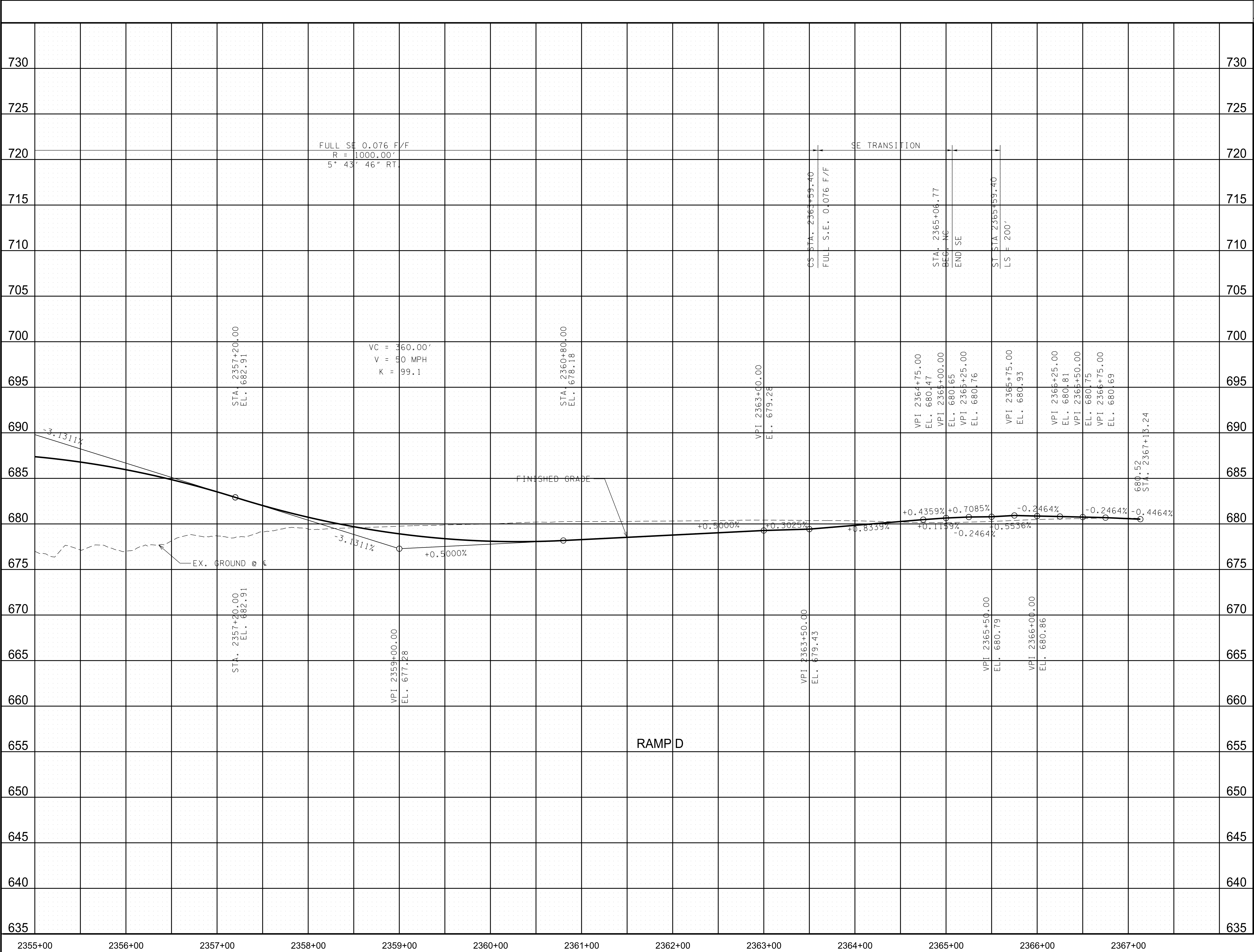
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP
PROFILE
STA.2342+00 TO STA.2355+00
SCALE: 1"=50' HORIZ.
1"=5' VERT.

CELL MGRID

8/9/2018 5:34:20 PM

Y:\Projects\0010000\0014000\14304 I-75 Interchange at I-24 Owners Rep TDOT\Dgn\042.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	42

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

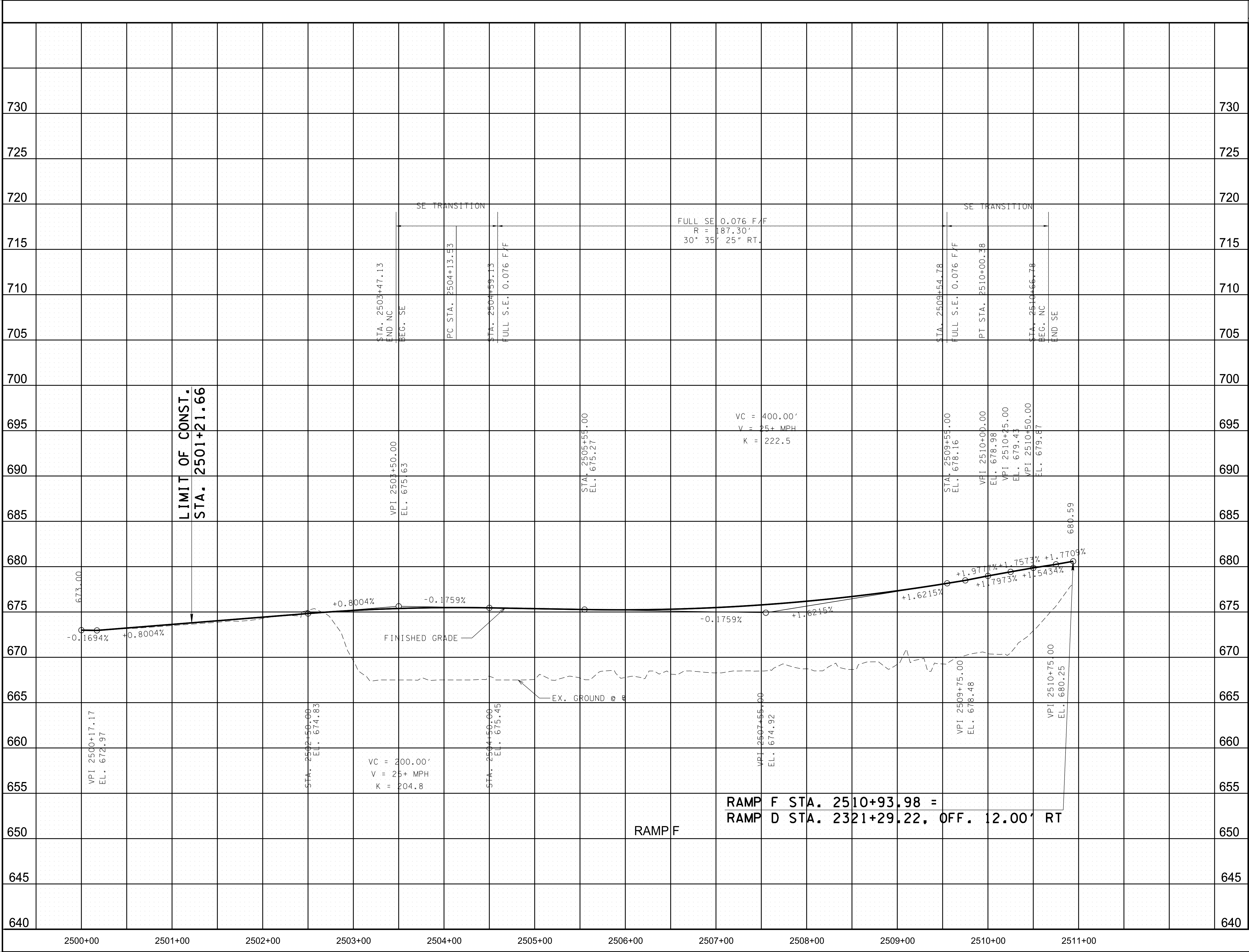
COORDINATES ARE NAD/83(1995),
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP
PROFILE

STA.2355+00 TO STA.2367+00

SCALE: 1"=50' HORIZ.
1"=5' VERT.



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	43

REV. 10-18-18: RAMP F CURVE DATA WAS CHANGED TO REFLECT A 25 MPH DESIGN SPEED. SUPERELEVATION RATE AND TRANSITION DATA WAS REVISED.

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

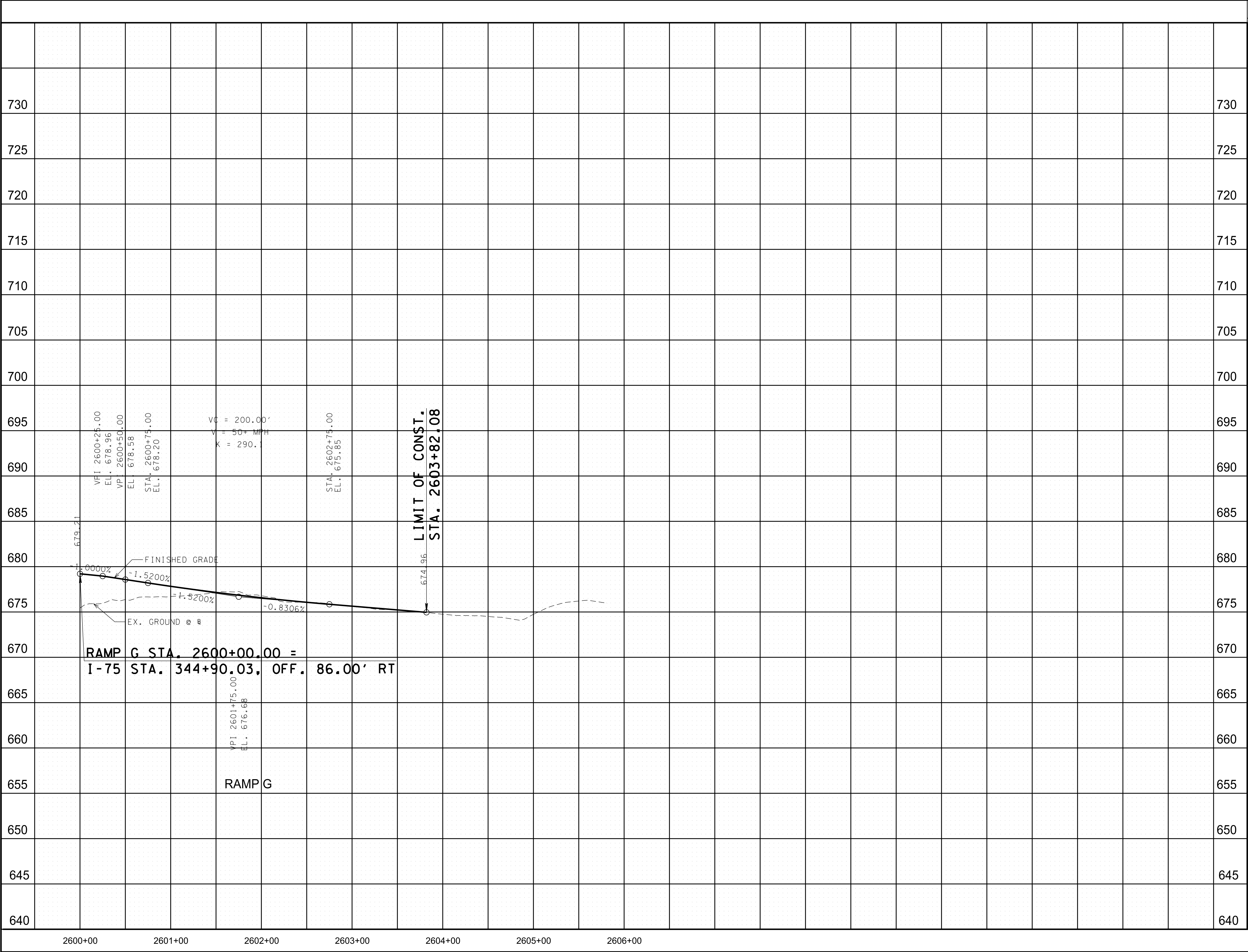
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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99998 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	44

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

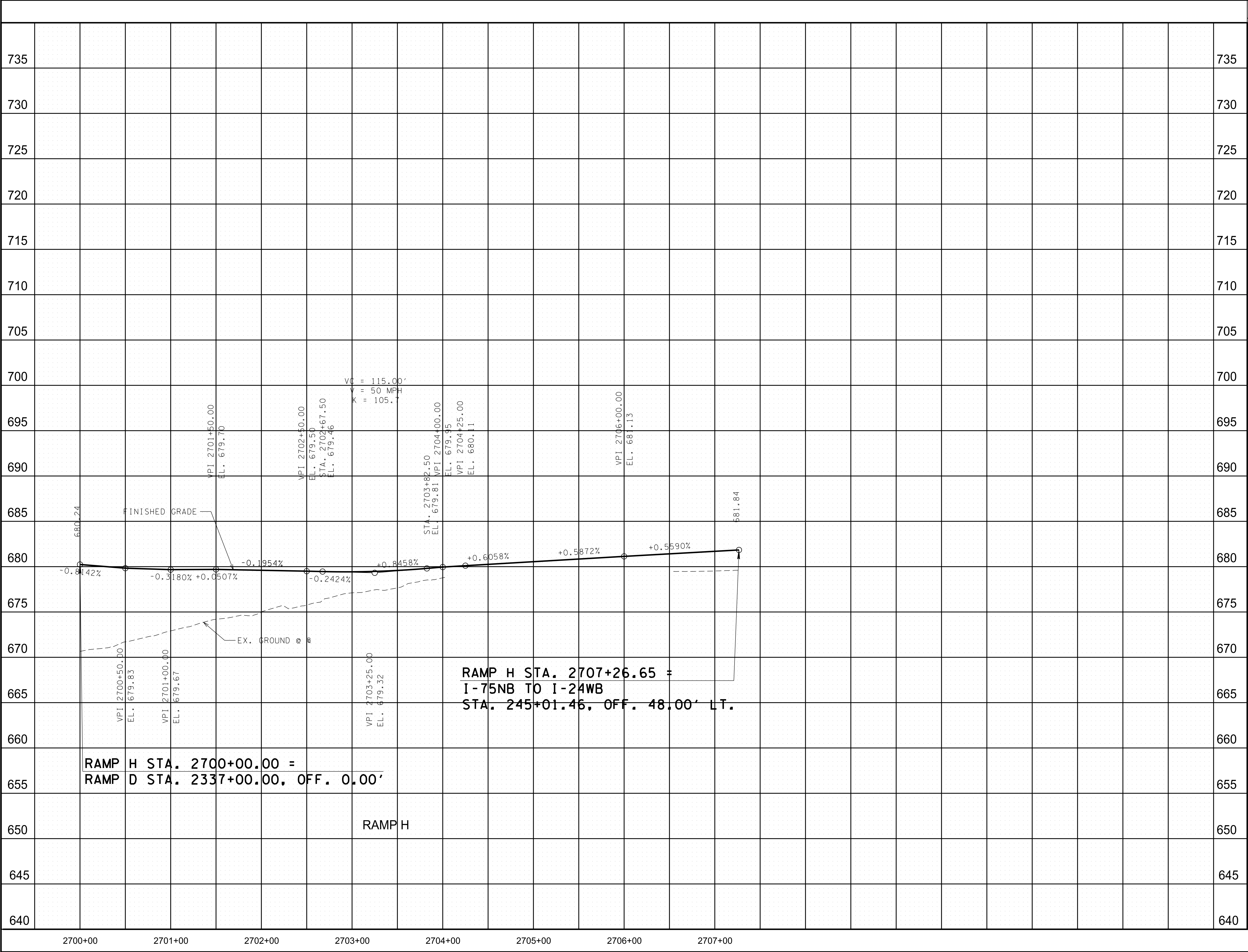
SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

RAMP
PROFILES

SCALE: 1"= 50' HORIZ.
1"=5' VERT.



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	45

**CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE**

SEALED BY

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**STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION**

**RAMP
PROFILES**

SCALE: 1"= 50' HORIZ.
1"=5' VERT.



CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

COORDINATES ARE NAD/83(1995),
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

SPRING CREEK
ROAD
PROFILE

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	46

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	47

DRAINAGE DATA FOR PIPE
STATION 693+66.27

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 49.25 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 48" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____

DRAINAGE DATA FOR PIPE
STATION 613+47.00 / 902+40.91

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 49.16 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 36" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____

DRAINAGE DATA FOR PIPE
STATION 314+63.97

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 46.69 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 48" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____

DRAINAGE DATA FOR PIPE
STATION 629+93.93

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 11.91 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 30" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____

DRAINAGE DATA FOR PIPE
STATION 328+44.81

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 3.99 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 24" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____

DRAINAGE DATA FOR PIPE
STATION 2357+48.75

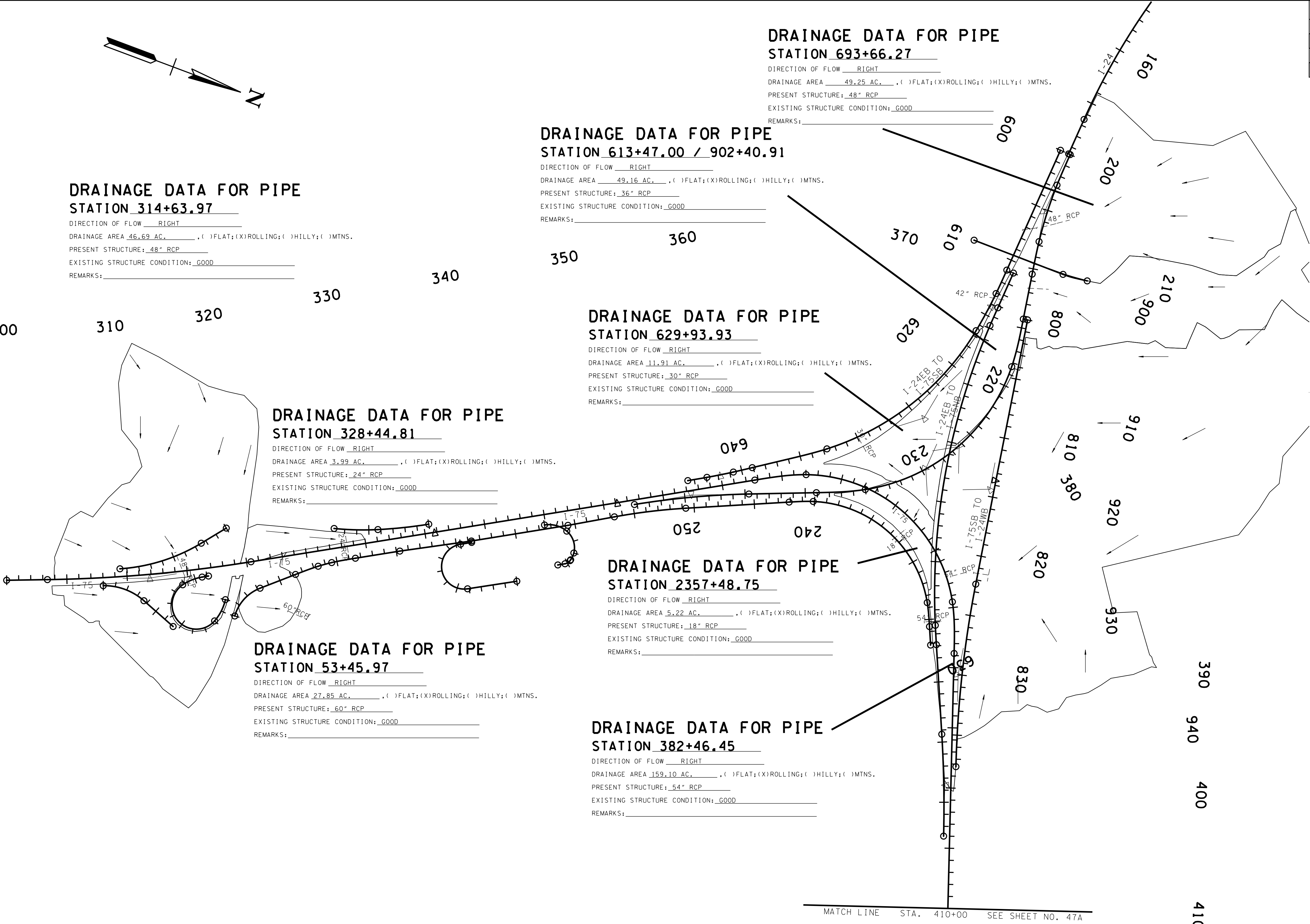
DIRECTION OF FLOW RIGHT
DRAINAGE AREA 5.22 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 18" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____

DRAINAGE DATA FOR PIPE
STATION 53+45.97

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 27.85 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 60" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____

DRAINAGE DATA FOR PIPE
STATION 382+46.45

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 159.10 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 54" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____



CAUTION!
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

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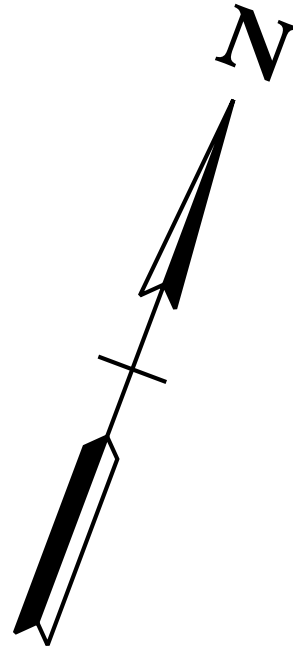
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

DRAINAGE
MAPS

STA. 300+00 TO STA. 410+00

SCALE: 1"=400'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	47A



DRAINAGE DATA FOR PIPE
STATION 442+27.59

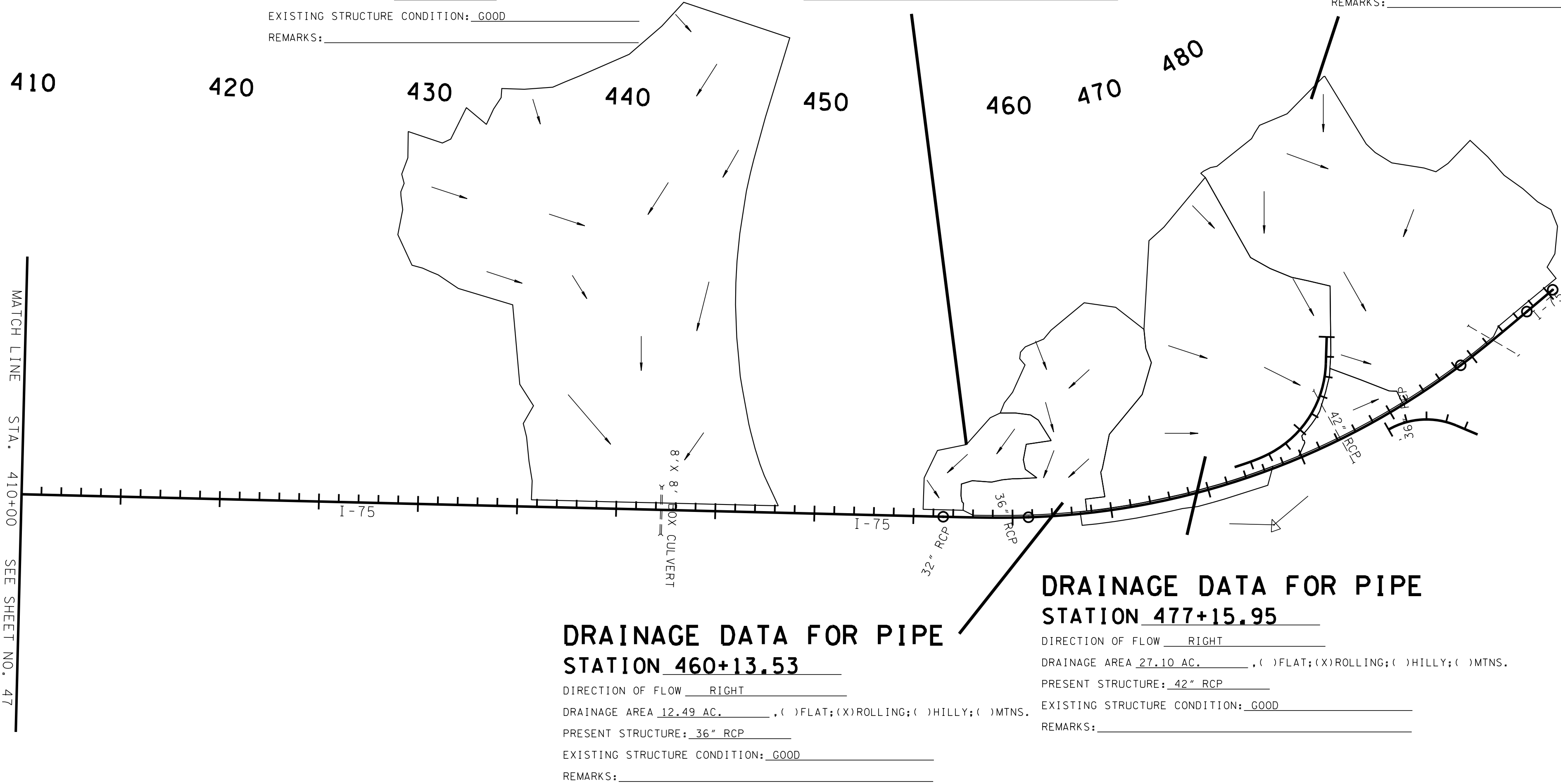
DIRECTION OF FLOW RIGHT
DRAINAGE AREA 72.87 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 8'X8' BOX
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____

DRAINAGE DATA FOR PIPE
STATION 456+27.07

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 3.72 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 32" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____

DRAINAGE DATA FOR PIPE
STATION 480+26.93

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 35.18 AC., () FLAT; (X) ROLLING; () HILLY;
PRESENT STRUCTURE: 36" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____



DRAINAGE DATA FOR PIPE
STATION 460+13.53

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 12.49 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 36" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____

DRAINAGE DATA FOR PIPE
STATION 477+15.95

DIRECTION OF FLOW RIGHT
DRAINAGE AREA 27.10 AC., () FLAT; (X) ROLLING; () HILLY; () MTNS.
PRESENT STRUCTURE: 42" RCP
EXISTING STRUCTURE CONDITION: GOOD
REMARKS: _____

CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

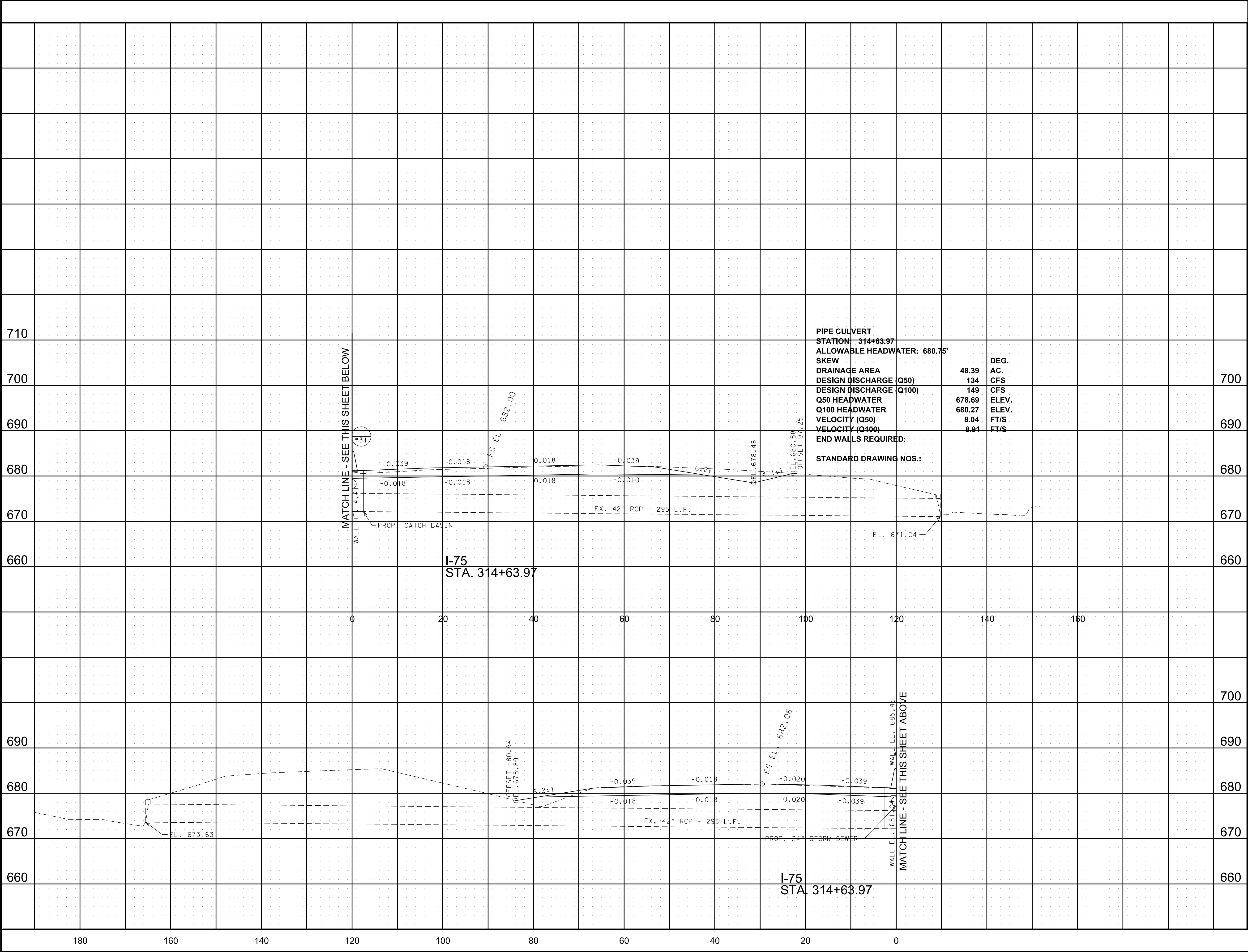
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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

DRAINAGE
MAPS

STA. 410+00 TO STA. 490+28

SCALE: 1"=400'



PIPE CULVERT			
STATION: 314+63.97			
ALLOWABLE HEADWATER: 680.75'			
SKEW			
DRAINAGE AREA	48.39	DEG.	
DESIGN DISCHARGE (Q50)	134	AC.	
DESIGN DISCHARGE (Q100)	149	CFS	
Q50 HEADWATER	678.69	ELEV.	
Q100 HEADWATER	680.27	ELEV.	
VELOCITY (Q50)	8.04	FT/S	
VELOCITY (Q100)	8.91	FT/S	
END WALLS REQUIRED:			
STANDARD DRAWING NOS.:			

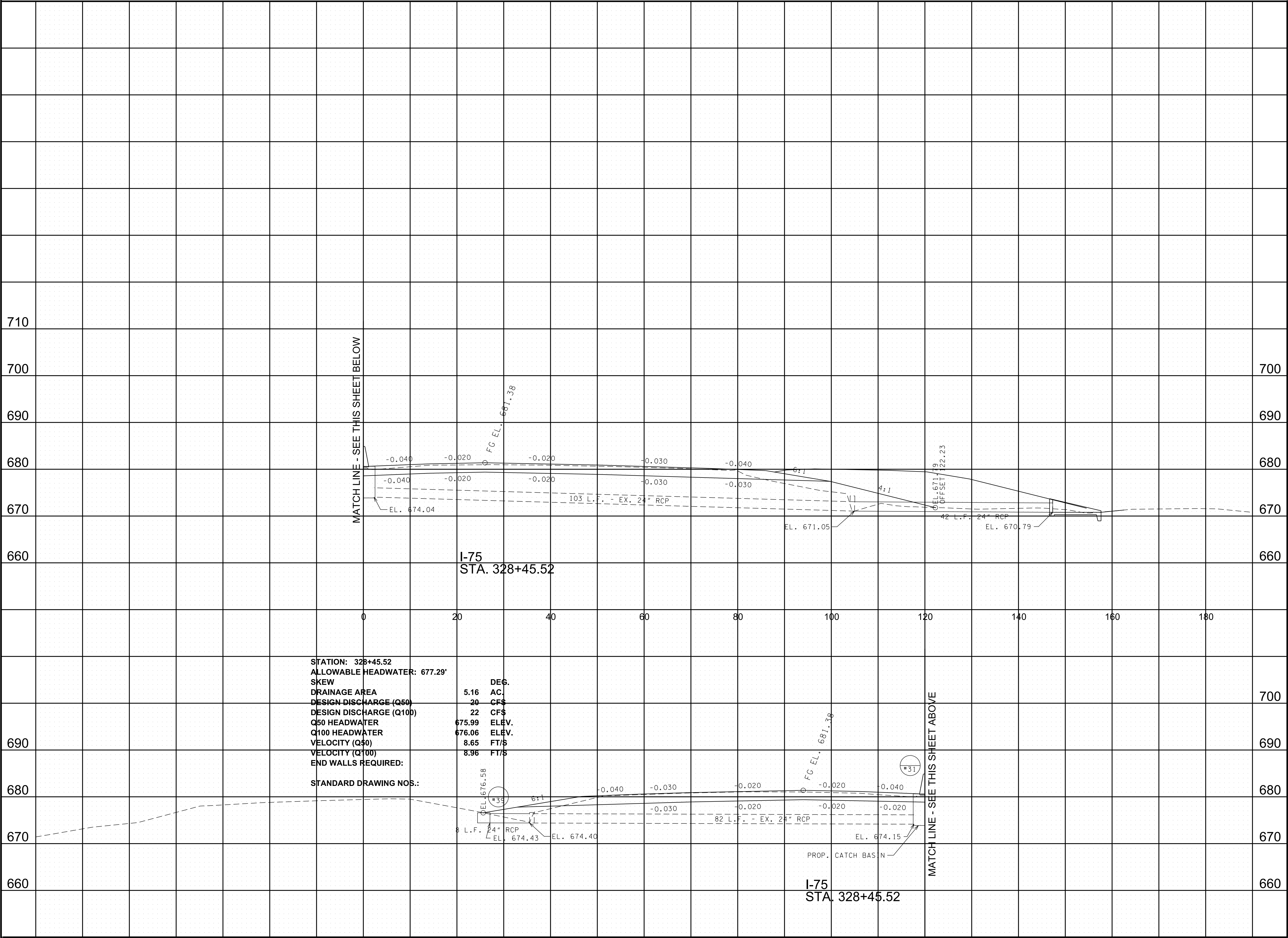
CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

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DEPARTMENT OF
TRANSPORTATION

CULVERT
CROSS-SECTIONS

STA. 314+63.97
TO
STA. 314+63.97
SCALE: 1"=10' HORIZ.
1"=10' VERT.

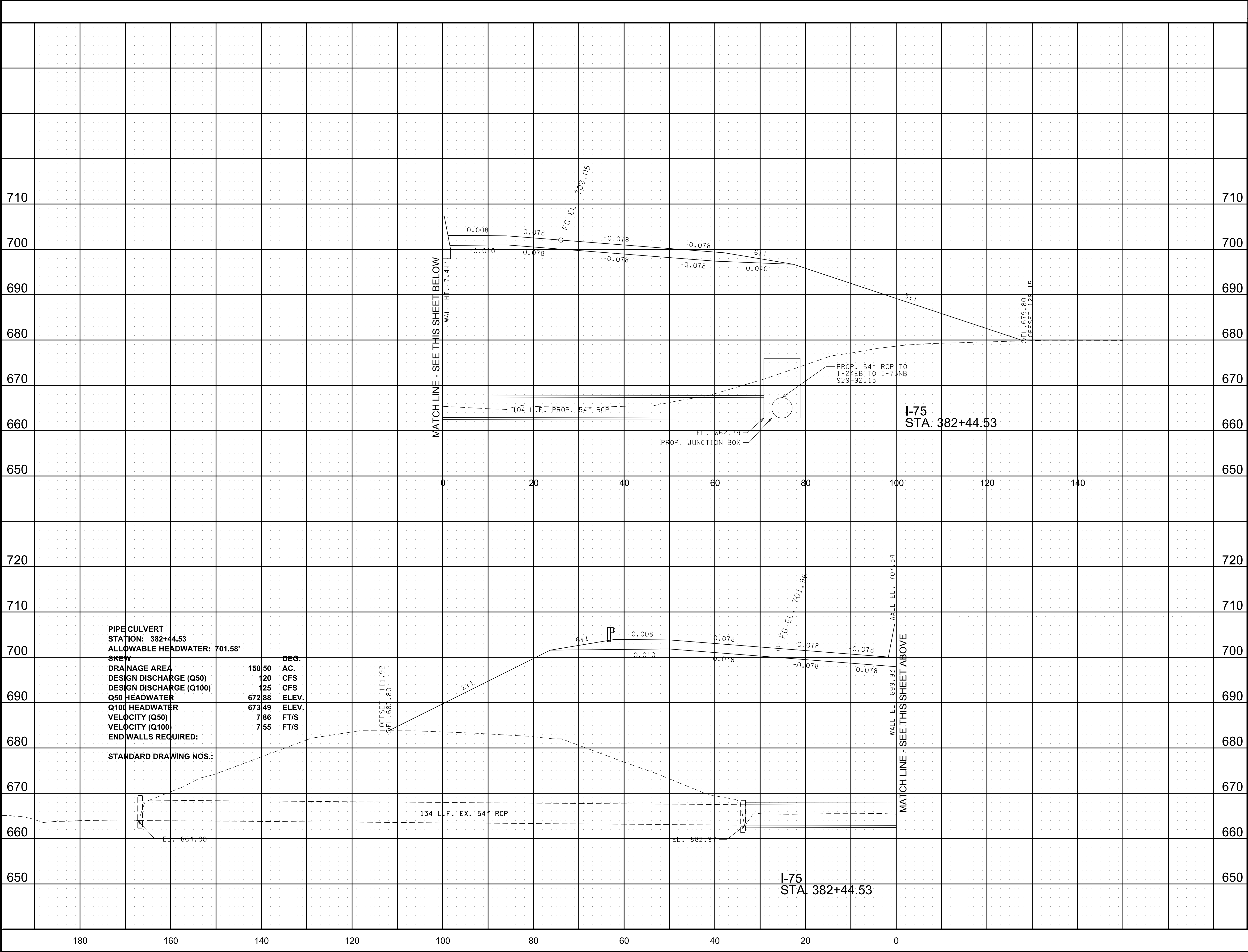


CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

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DEPARTMENT OF
TRANSPORTATION

CULVERT
CROSS-SECTIONS
STA. 328+45.52
TO
STA. 328+45.52
SCALE: 1"=10' HORIZ.
1"=10' VERT.

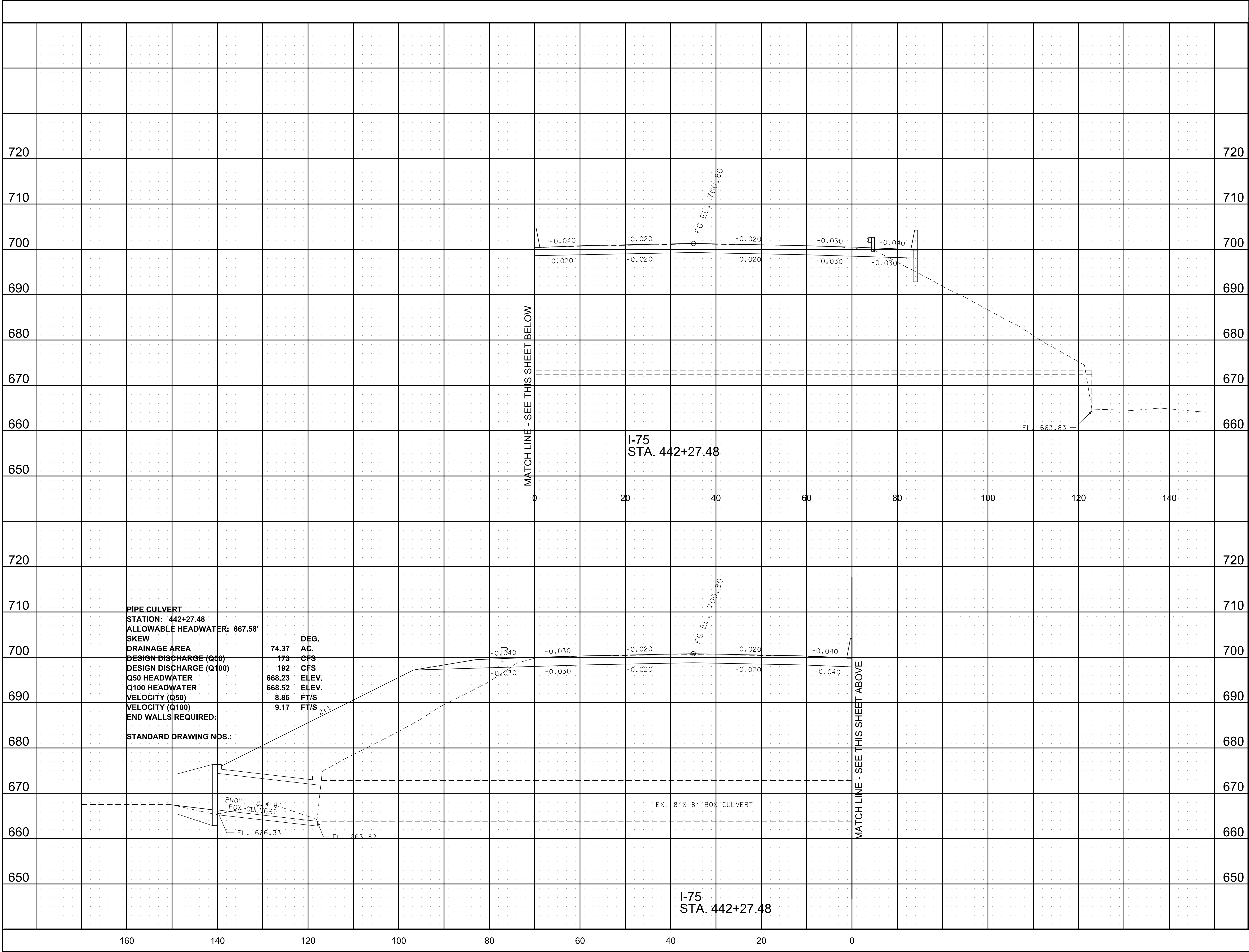


CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

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DEPARTMENT OF
TRANSPORTATION

CULVERT
CROSS-SECTIONS
STA. 382+44.53
TO
STA. 382+44.53
SCALE: 1"=10' HORIZ.
1"=10' VERT.

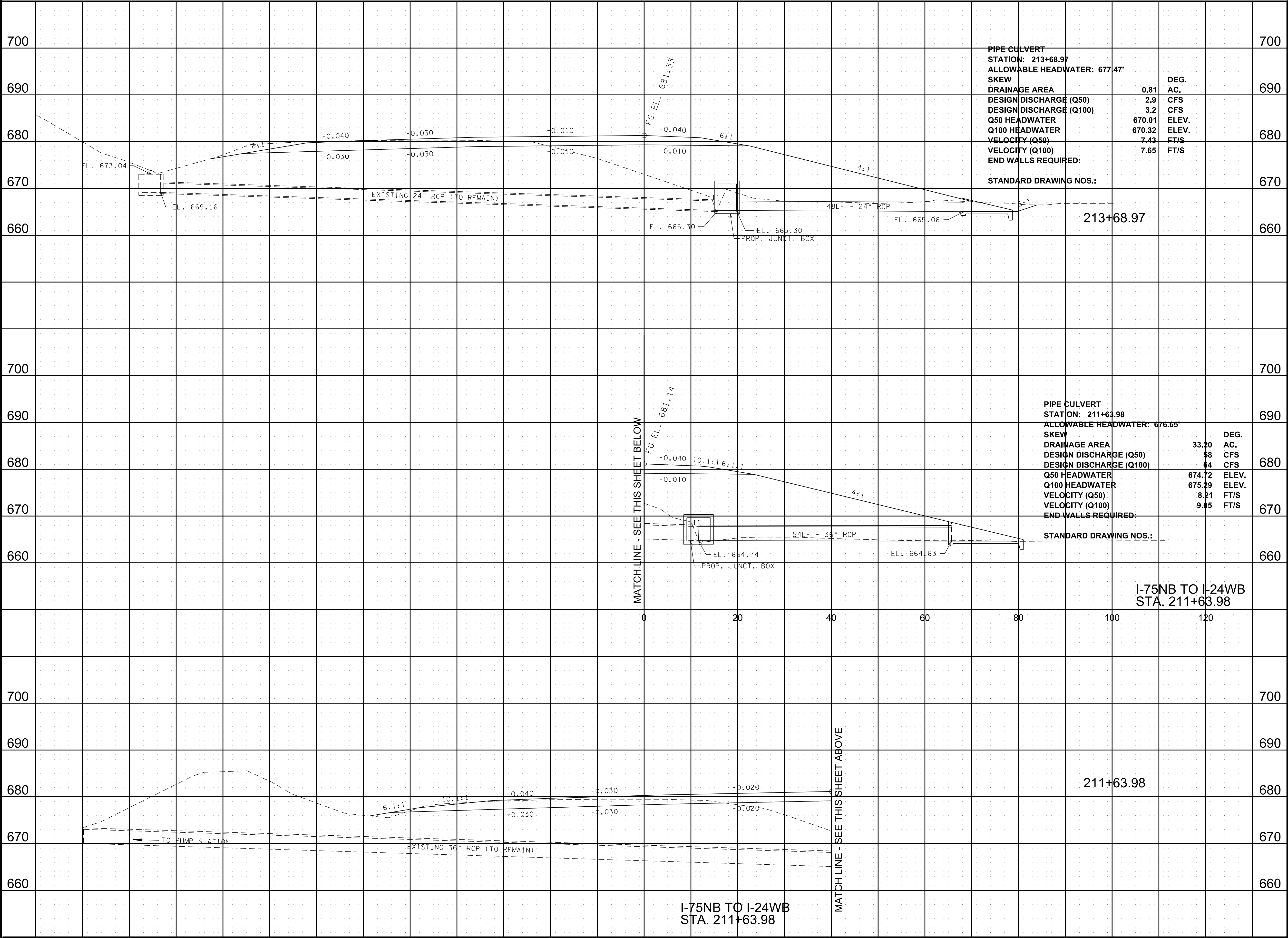


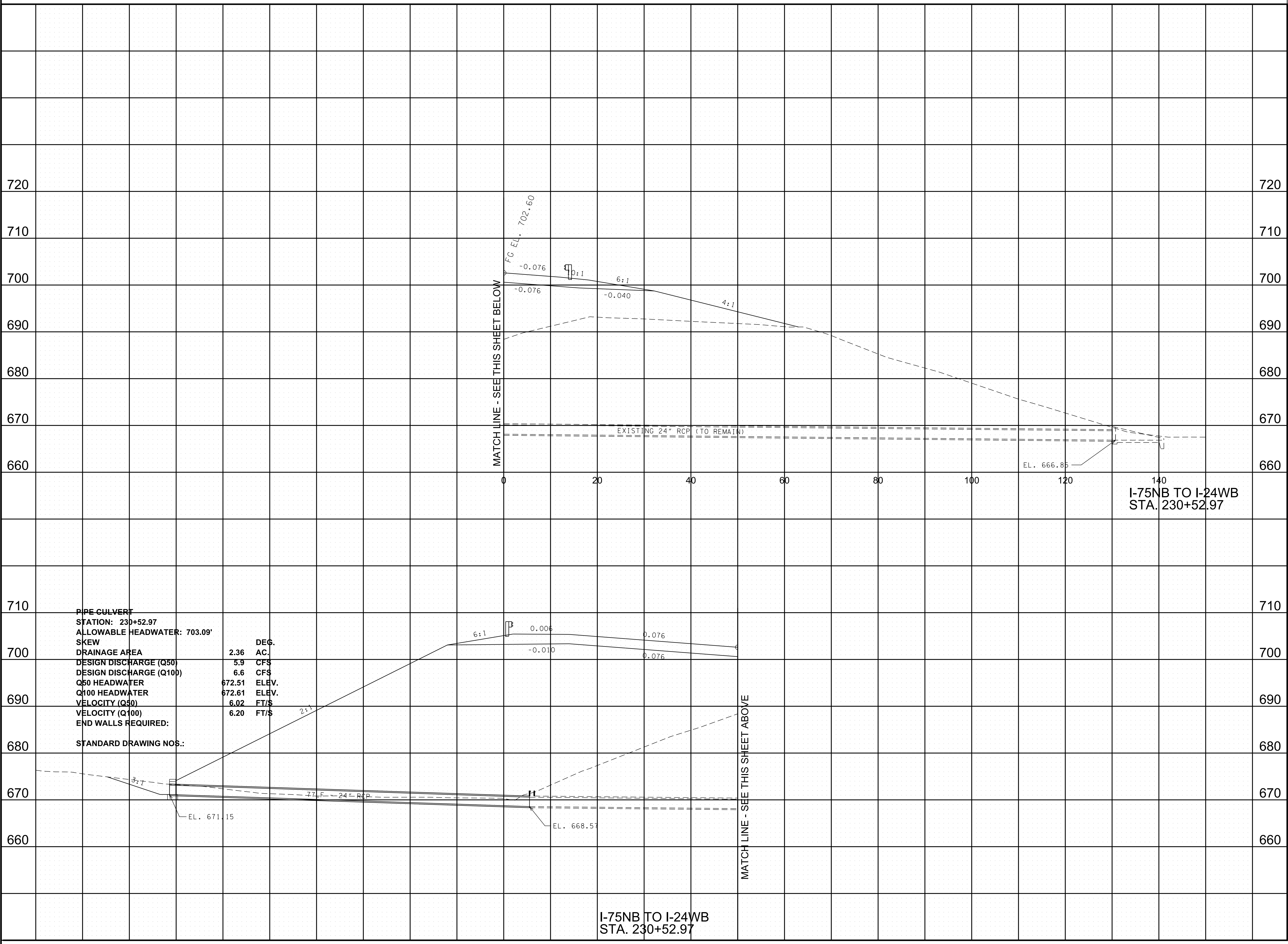
CAUTION !
FUNCTIONAL
PLANS
SUBJECT TO
CHANGE

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

CULVERT
CROSS-SECTIONS
STA. 442+27.48
TO
STA. 442+27.48
SCALE: 1"=10' HORIZ.
1"=10' VERT.





TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2018	IM/NH-75-1(131)	48E

CAUTION!
PRELIMINARY
PLANS
SUBJECT TO
CHANGE

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

CULVERT
CROSS-SECTIONS

STA. 230+52.97
TO
STA. 230+52.97
SCALE: 1"=10' HORIZ.
1"=10' VERT.

