MADERA STATION RELOCATION PROJECT

VOLUME 2

15% PRELIMINARY
ENGINEERING DRAWINGS

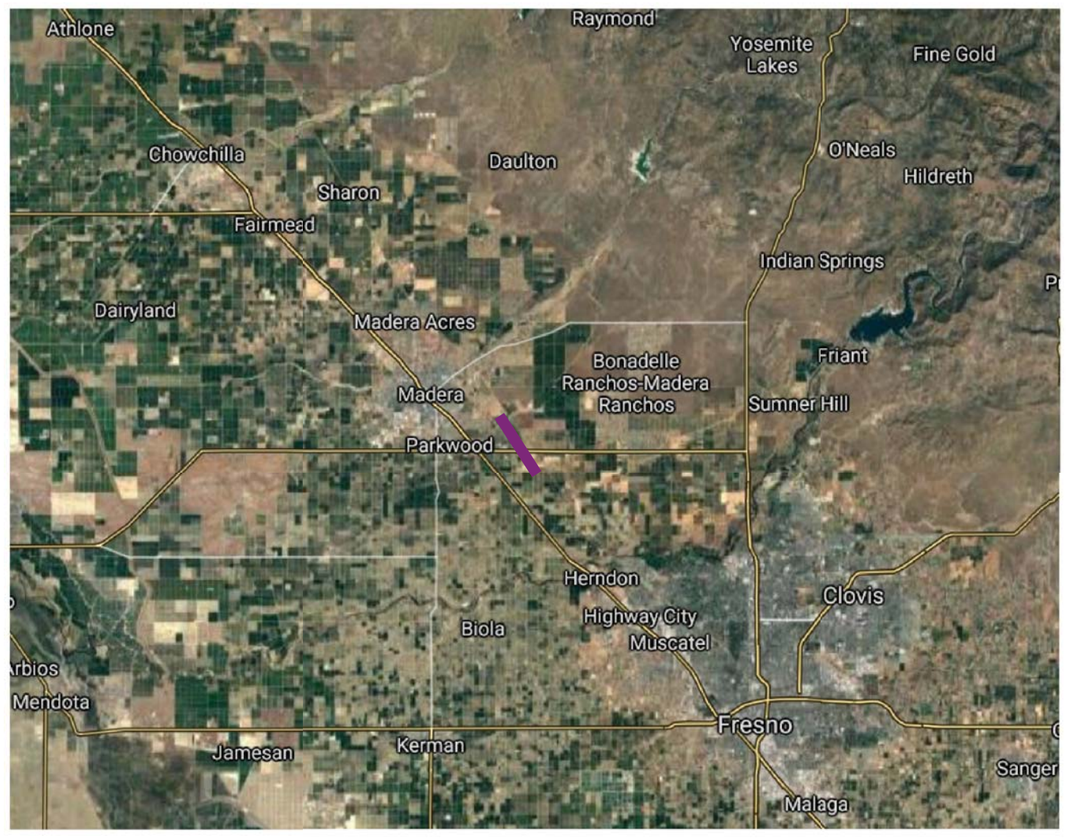
SAN JOAQUIN JOINT POWERS AUTHORITY

October 2020

SAN JOAQUIN REGIONAL RAIL COMMISSION

MADERA STATION RELOCATION PROJECT

15% PRELIMINARY ENGINEERING



San Joaquin
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SHEET NO.	DRAWING NO.	DRAWING TITLE LINE 3	DRAWING TITLE LINE 4	DRAWING TITLE LINE 5	DRAWING TITLE LINE 6
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30	CV-R1004-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	ACCESS ROAD PLAN	STA. 97+00 TO STA. 103+75.91
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38	UT-M1002-MA1	MADERA STATION RELOCATION PROJECT	PHASE 1	UTILITY PLAN	STA. 10+00 TO STA. 40+00
39	UT-M1003-MA1	MADERA STATION RELOCATION PROJECT	PHASE 1	UTILITY PLAN	STA. 4+00 TO STA. 47+74.64

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DESIGNED BY A. SHIELDS
DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 10-12-2020

TRANSPORTATION AECOM
AECOM USA, Inc.
300 Lakeside Drive, Suite 400
Oakland, CA 94612
T 510.893.3600
www.aecom.com

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SAN JOAQUIN JOINT POWER AUTHORITY
MADERA STATION RELOCATION PROJECT
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53	TT-I1001-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	TEMPORARY CONSTRUCTION AREA PLAN	STA. 15+00 TO STA. 44+00
54	TT-I1002-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	TEMPORARY CONSTRUCTION AREA PLAN	STA. 44+00 TO STA. 73+00
55	TT-I1003-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	TEMPORARY CONSTRUCTION AREA PLAN	STA. 73+00 TO STA. 102+00
56	TT-I1004-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	TEMPORARY CONSTRUCTION AREA PLAN	STA. 102+00 TO STA. 131+00
57	TT-I1005-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	TEMPORARY CONSTRUCTION AREA PLAN	STA. 131+00 TO STA. 144+00
58	TT-I1006-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	TEMPORARY CONSTRUCTION AREA PLAN	STA. 144+00 TO STA. 174+00
59	TT-I1007-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	TEMPORARY CONSTRUCTION AREA PLAN	STA. 174+00 TO STA. 198+00
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62	RW-M1002-MA1	MADERA STATION RELOCATION PROJECT	PHASE 1	RIGHT-OF-WAY PLAN	STA. 10+00 TO STA. 40+00
63	RW-M1003-MA1	MADERA STATION RELOCATION PROJECT	PHASE 1	RIGHT-OF-WAY PLAN	STA. 4+00 TO STA. 47+74.64
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65	RW-M1001-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	RIGHT-OF-WAY PLAN	STA. 15+00 TO STA. 44+00
66	RW-M1002-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	RIGHT-OF-WAY PLAN	STA. 44+00 TO STA. 73+00
67	RW-M1003-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	RIGHT-OF-WAY PLAN	STA. 73+00 TO STA. 102+00
68	RW-M1004-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	RIGHT-OF-WAY PLAN	STA. 102+00 TO STA. 131+00
69	RW-M1005-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	RIGHT-OF-WAY PLAN	STA. 131+00 TO STA. 144+00
70	RW-M1006-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	RIGHT-OF-WAY PLAN	STA. 144+00 TO STA. 174+00
71	RW-M1007-MA2	MADERA STATION RELOCATION PROJECT	PHASE 2	RIGHT-OF-WAY PLAN	STA. 174+00 TO STA. 198+00

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DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 10-12-2020

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AECOM USA, Inc.
300 Lakeside Drive, Suite 400
Oakland, CA 94612
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MADERA STATION RELOCATION PROJECT
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ENVIRONMENTAL ALTERNATIVE CODE
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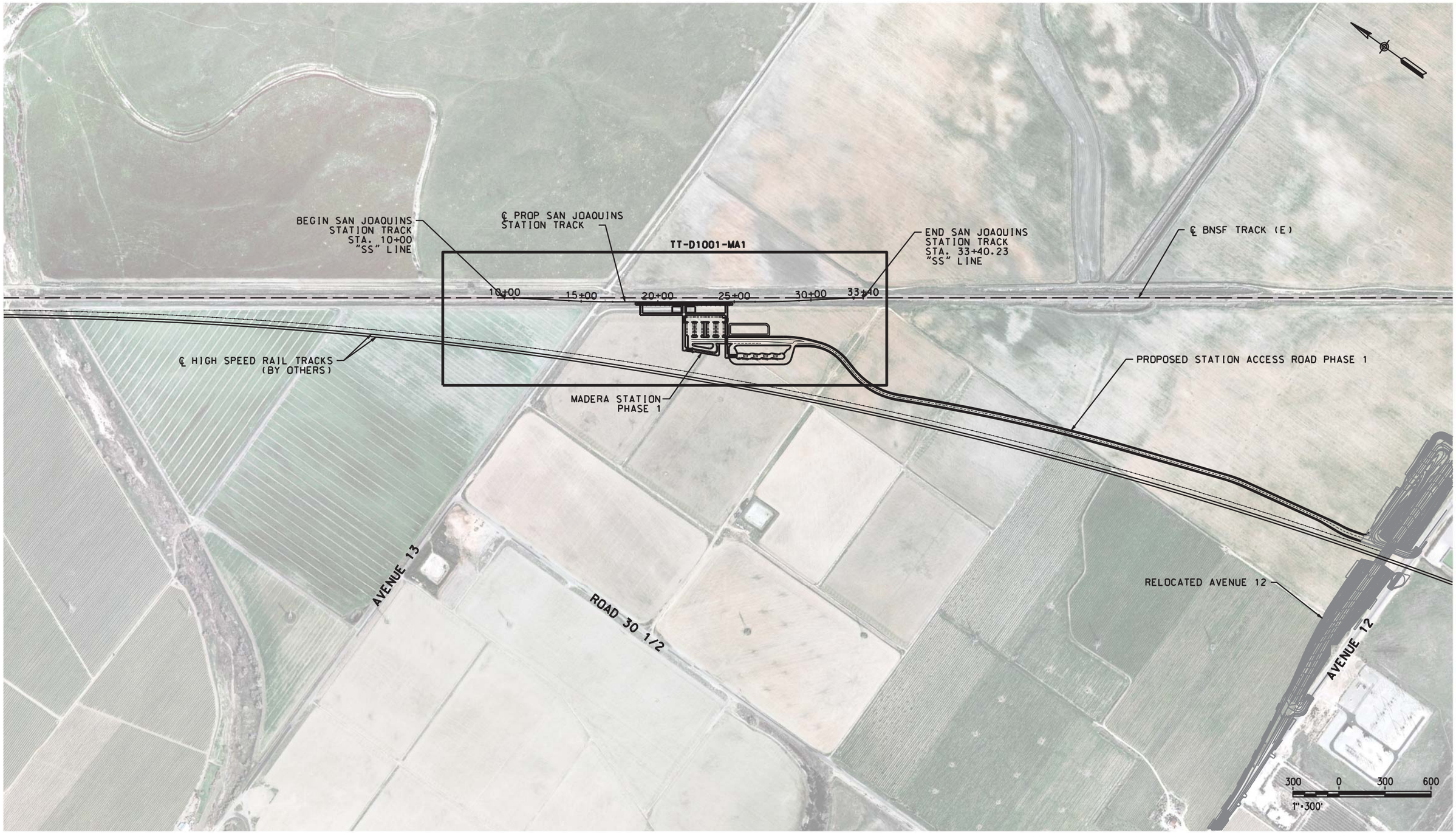

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MADERA STATION RELOCATION PROJECT PHASE 1

KEY MAP - SAN JOAQUINS STATION TRACK STA. 10+00 TO STA. 33+40.23

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. TT-B1001-MA1

SCALE AS SHOWN

SHEET NO. 4 OF 71

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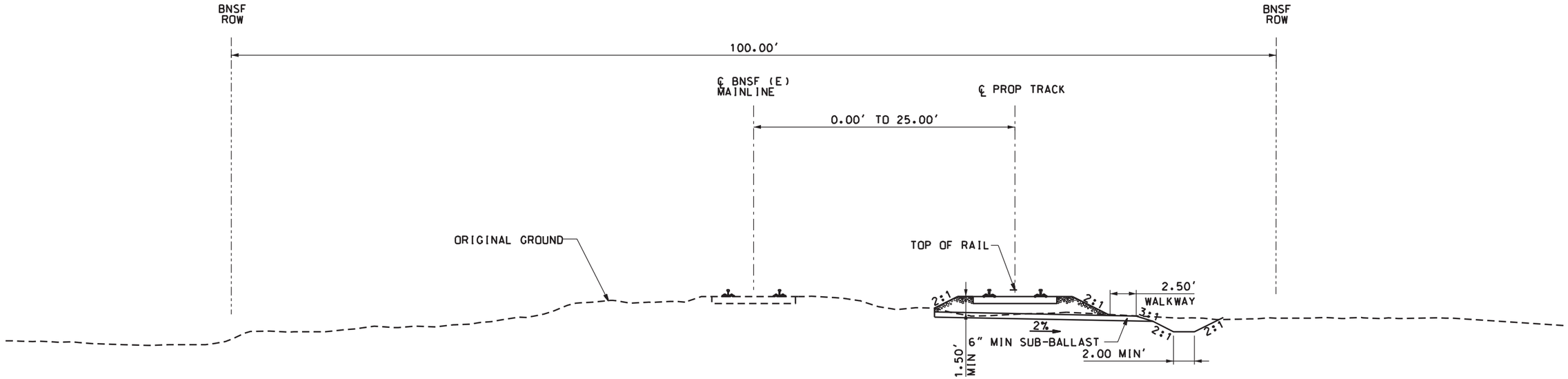
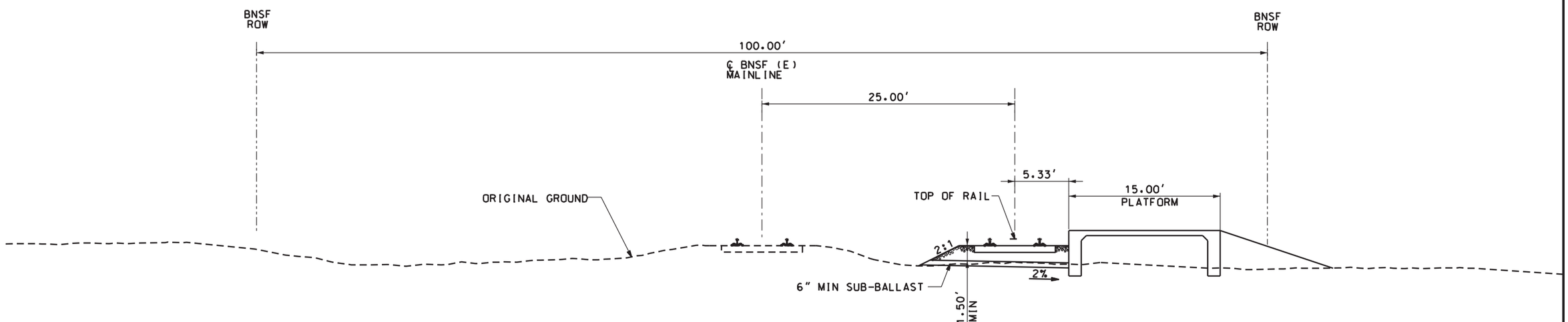


TYPICAL SECTION A
SAN JOAQUINS STATION TRACK
STA. 10+00 TO STA. 17+05.86
STA. 26+35.89 TO STA. 33+40.23



TYPICAL SECTION B
RELOCATED MADERA STATION SAN JOAQUINS
STA. 17+05.86 TO STA. 26+35.89

5 0 5 10
1"=5'

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IN CHARGE D.COWIN
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Oakland, CA 94612
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MADERA STATION RELOCATION PROJECT
PHASE 1
SAN JOAQUINS STATION TRACK - TYPICAL SECTIONS
SHEET 1 OF 1

ENVIRONMENTAL ALTERNATIVE CODE
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SHEET NO. 5 OF 71

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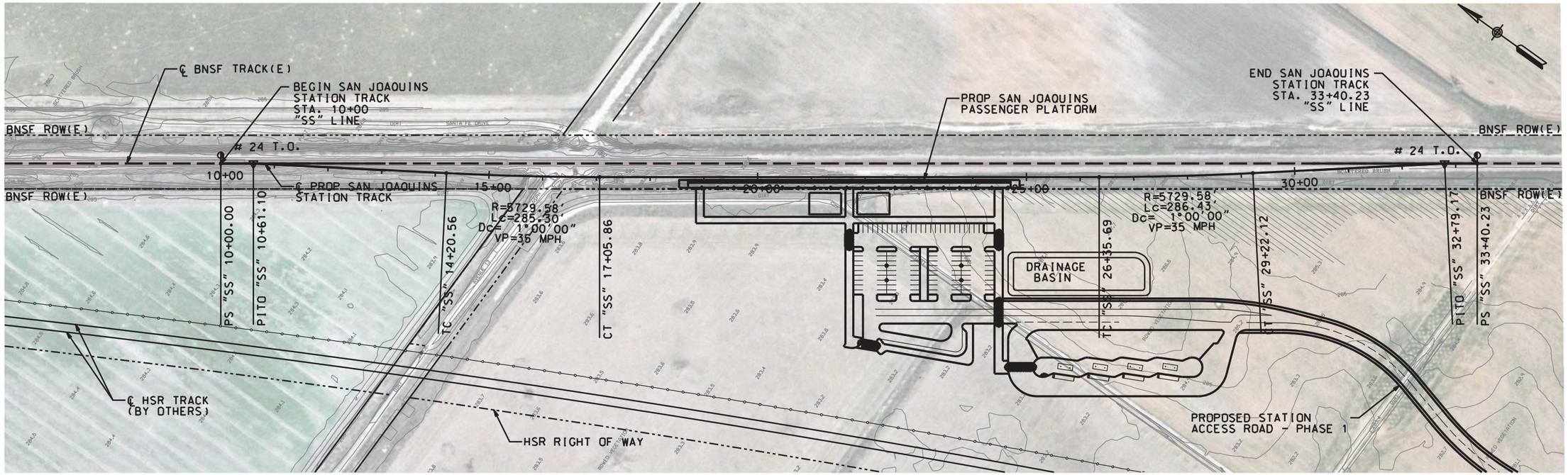

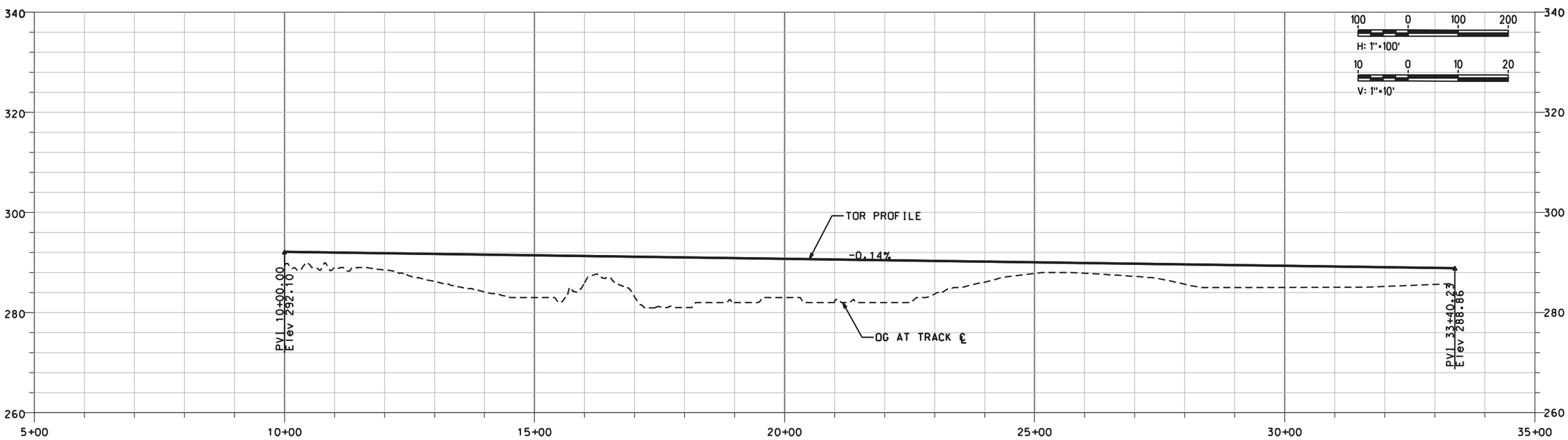

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DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
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Oakland, CA 94612
T 510.893.3600

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MADERA STATION RELOCATION PROJECT
PHASE 1
SAN JOAQUINS STATION TRACK - PLAN AND PROFILE
STA. 10+00 TO STA. 33+40.23

ENVIRONMENTAL ALTERNATIVE CODE	
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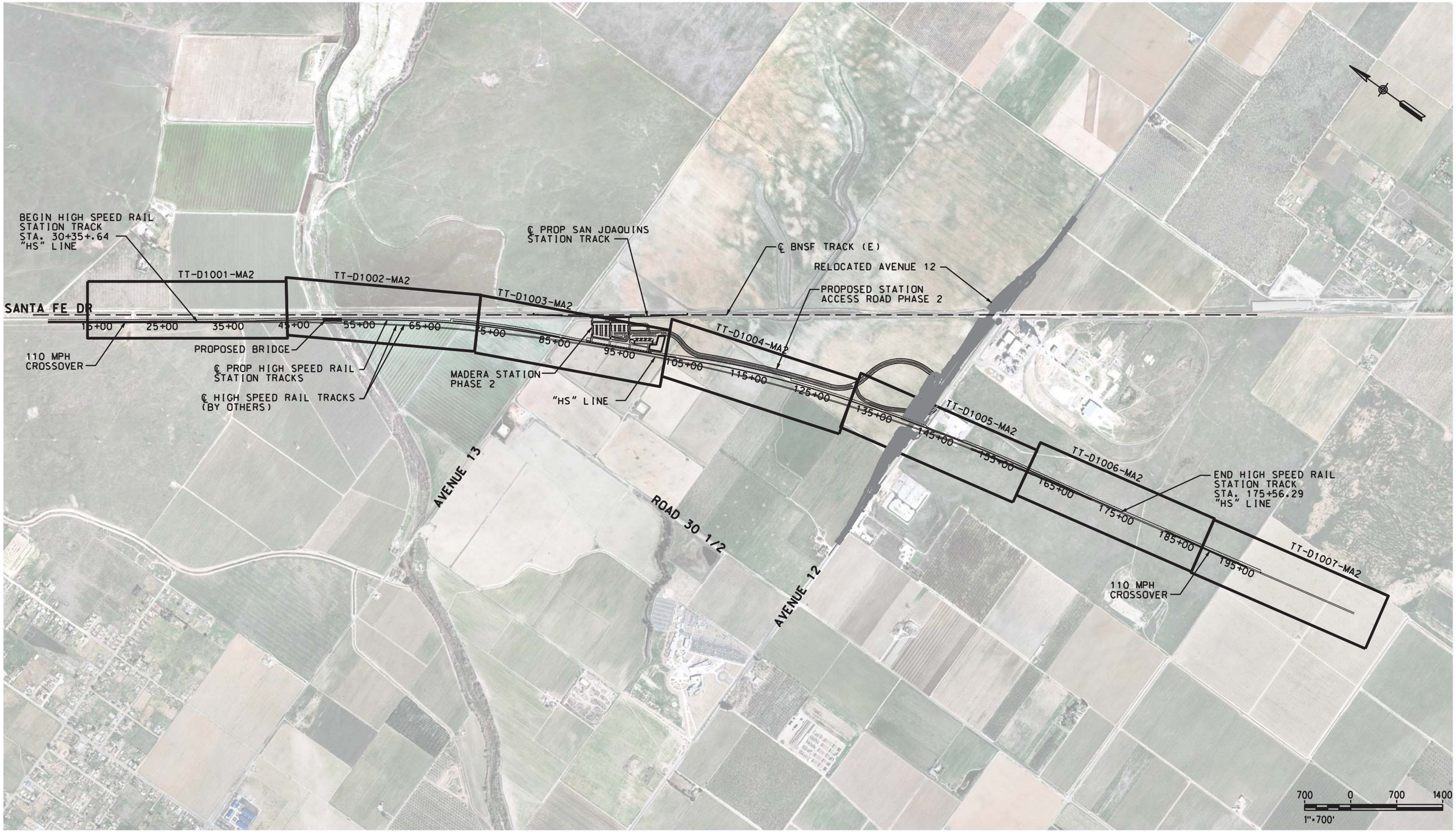

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CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 10-12-2020

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AECOM USA, Inc.
300 Lakeside Drive, Suite 400
Oakland, CA 94612
T 510.893.3600

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MADERA STATION RELOCATION PROJECT
PHASE 2 - KEY MAP
CALIFORNIA HIGH SPEED RAIL STATION TRACK
STA. 15+00 TO STA. 198+00

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. TT-B1001-MA2

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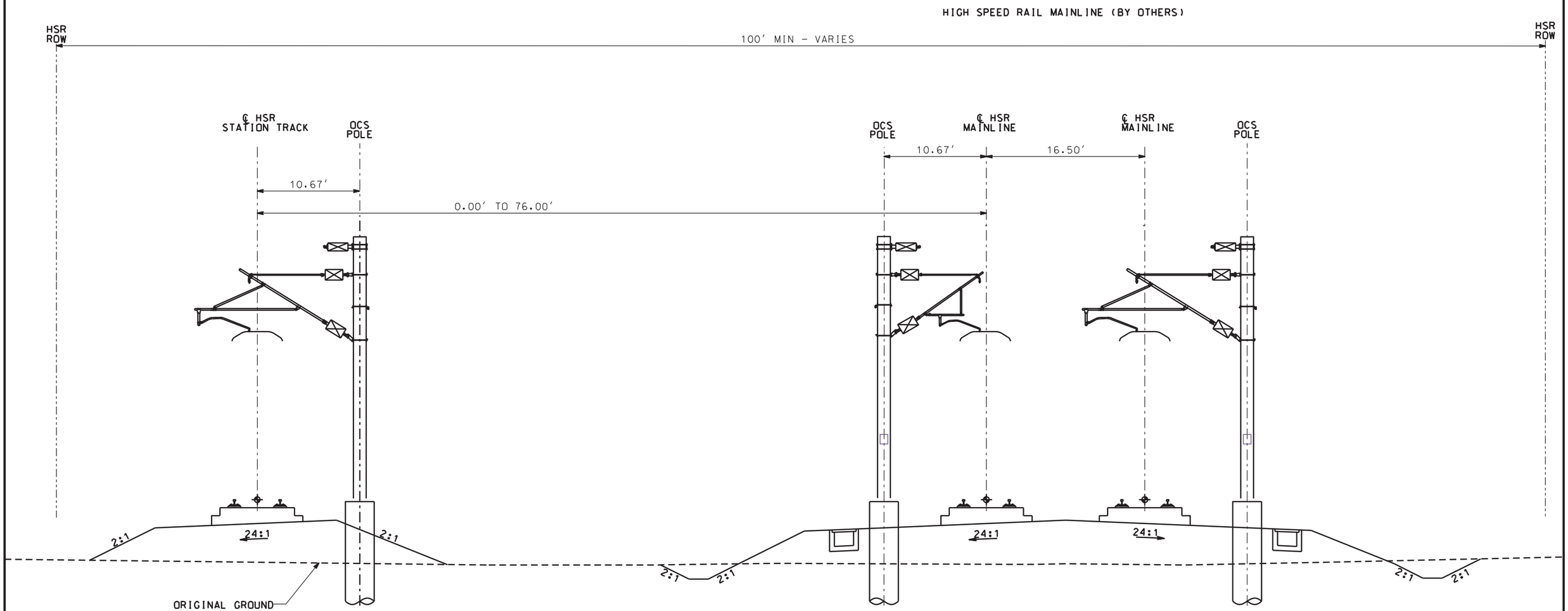

TYPICAL SECTION A

HIGH SPEED RAIL STATION TRACK
STA. 30+65.34 TO STA. 69+48.15
STA. 120+39.02 TO STA. 165+56.29

5 0 5 10
1"=5'

NOT FOR CONSTRUCTION

DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D.COWIN
DATE	10-12-2020

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Oakland, CA 94612
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MADERA STATION RELOCATION PROJECT
PHASE 2
CALIFORNIA HIGH SPEED RAIL STATION TRACK
TYPICAL SECTIONS - SHEET 1 OF 3

ENVIRONMENTAL ALTERNATIVE CODE	
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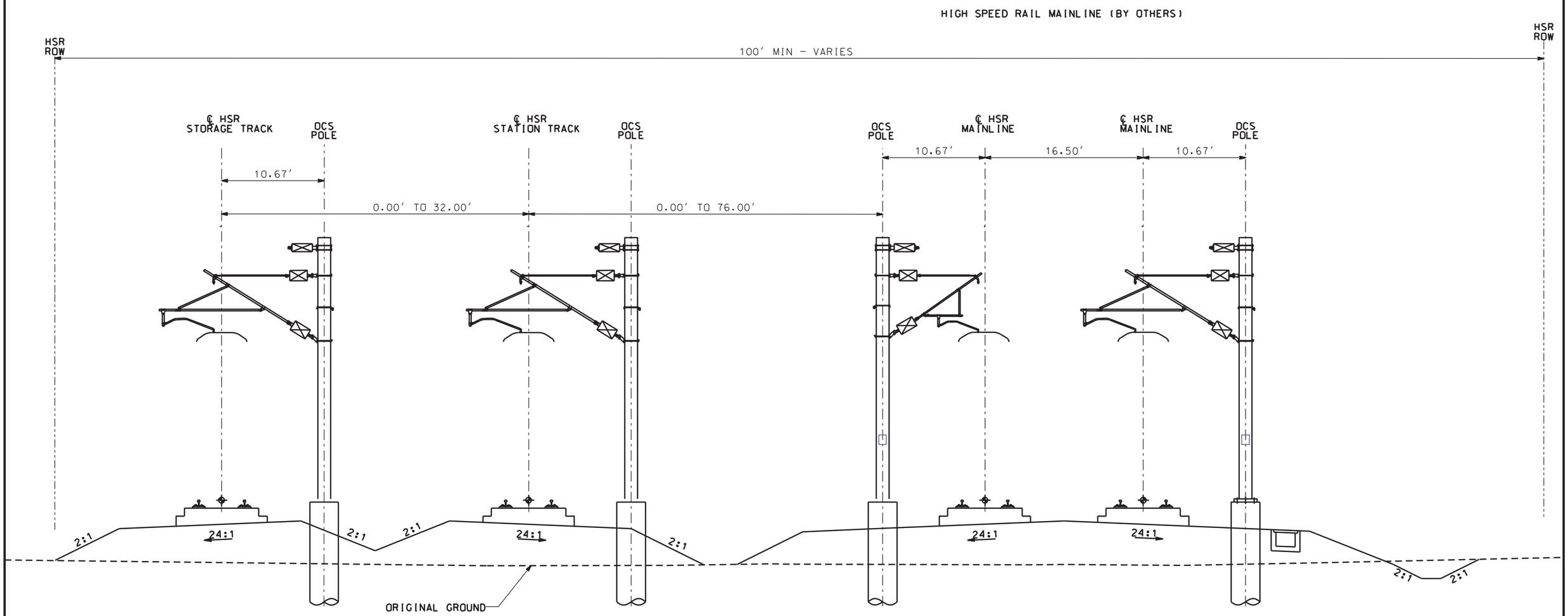

TYPICAL SECTION B

HIGH SPEED RAIL STATION TRACK
STA. 69+48.15 TO STA. 88+76.53
STA. 100+76.53 TO STA. 120+39.02

5 0 5 10
1"=5'

NOT FOR CONSTRUCTION

$DATE $TIME $DGNSPEC $USER

DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D.COWIN
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AECOM USA, Inc.
300 Lakeside Drive, Suite 400
Oakland, CA 94612
T 510.893.3600

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MADERA STATION RELOCATION PROJECT
PHASE 2
CALIFORNIA HIGH SPEED RAIL STATION TRACK
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ENVIRONMENTAL ALTERNATIVE CODE	
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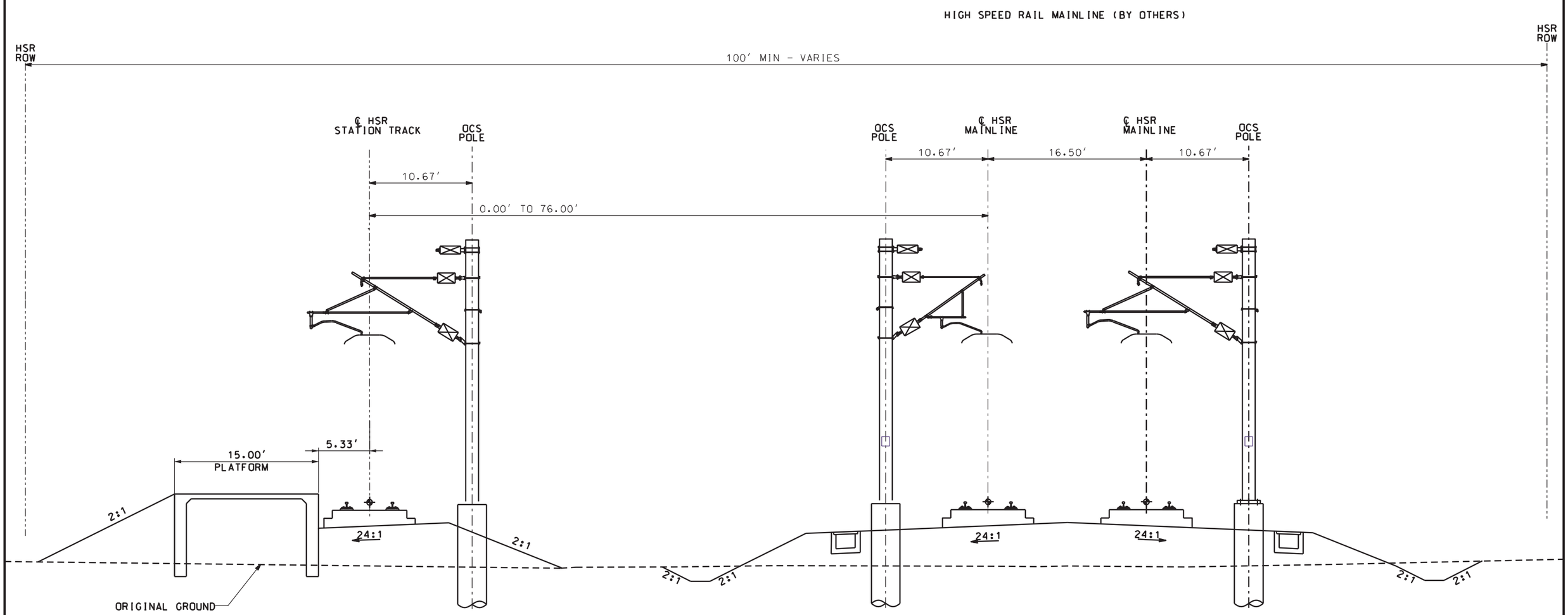

TYPICAL SECTION C

RELOCATED MADERA STATION HIGH SPEED RAIL
STA. 88+76.53 TO STA. 100+76.53

5 0 5 10
1"=5'

NOT FOR CONSTRUCTION

DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D.COWIN
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AECOM USA, Inc.
300 Lakeside Drive, Suite 400
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MADERA STATION RELOCATION PROJECT
PHASE 2
CALIFORNIA HIGH SPEED RAIL STATION TRACK
TYPICAL SECTIONS - SHEET 3 OF 3

ENVIRONMENTAL ALTERNATIVE CODE	
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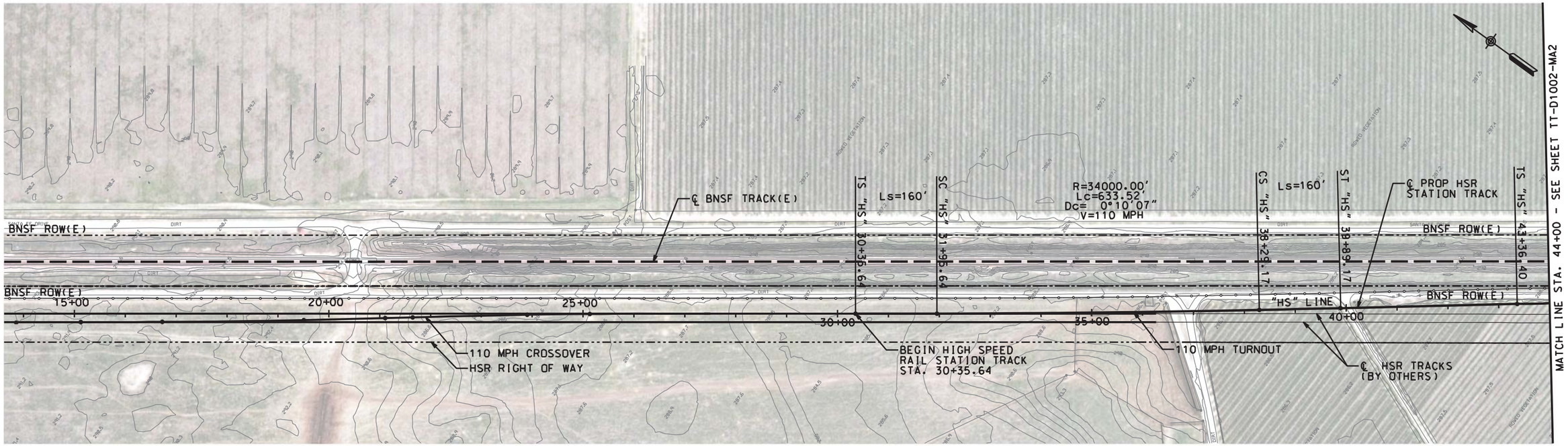

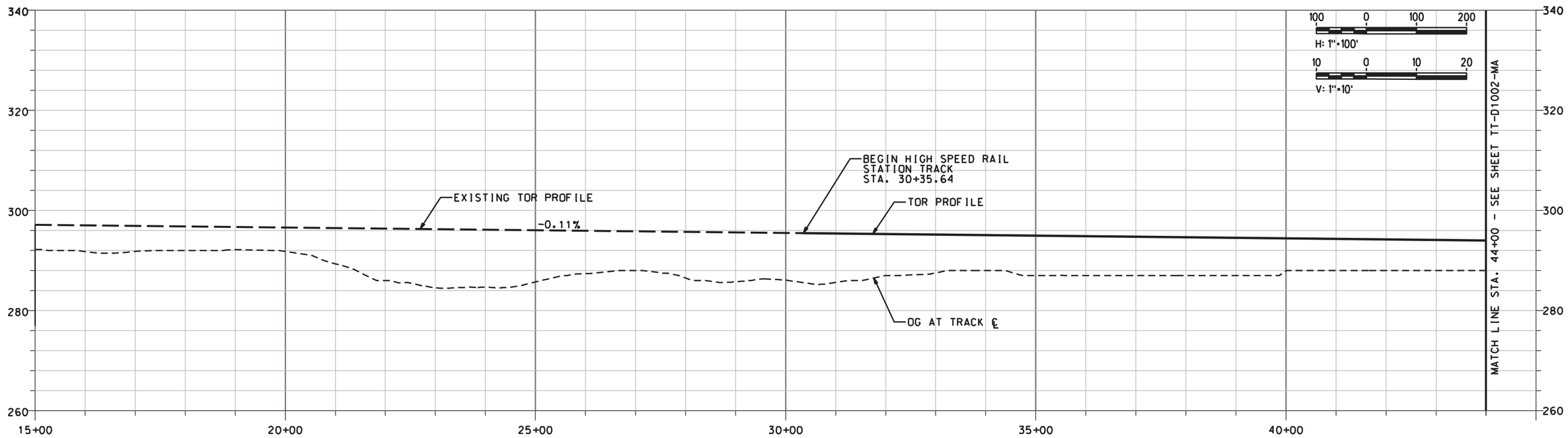

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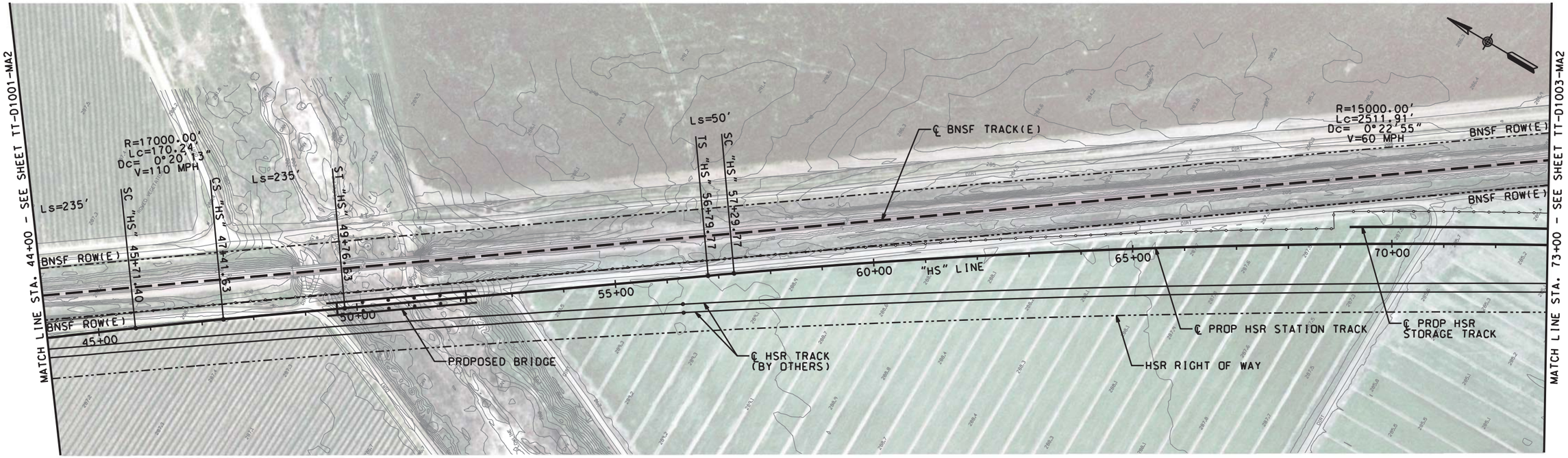
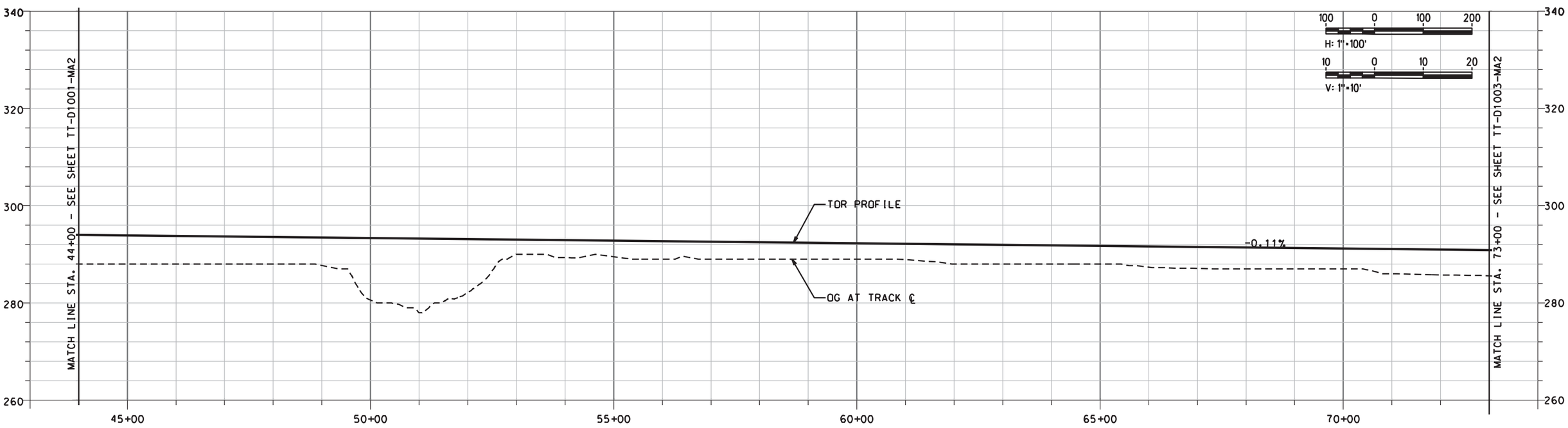
SAN JOAQUIN JOINT POWER AUTHORITY

MADERA STATION RELOCATION PROJECT
PHASE 2
CALIFORNIA HIGH SPEED RAIL STATION TRACK
PLAN AND PROFILE - STA. 15+00 TO STA. 44+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-D1001-MA2
SCALE	AS SHOWN
SHEET NO.	11 OF 71

$DGNSPEC
$TIME
$DATE
$USER





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DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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Oakland, CA 94612
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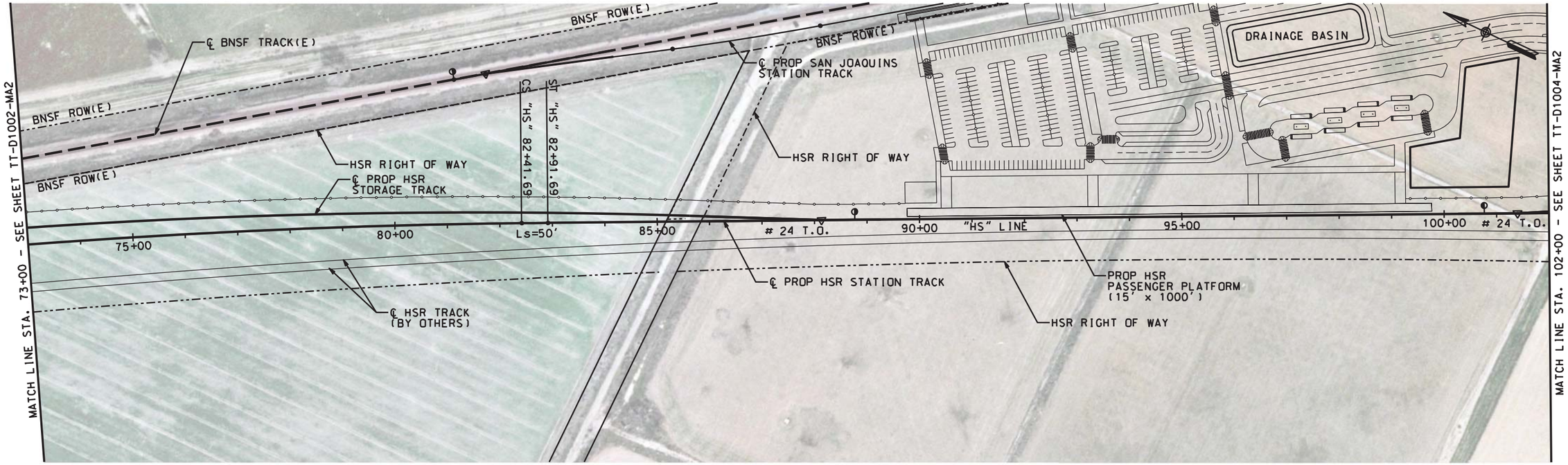
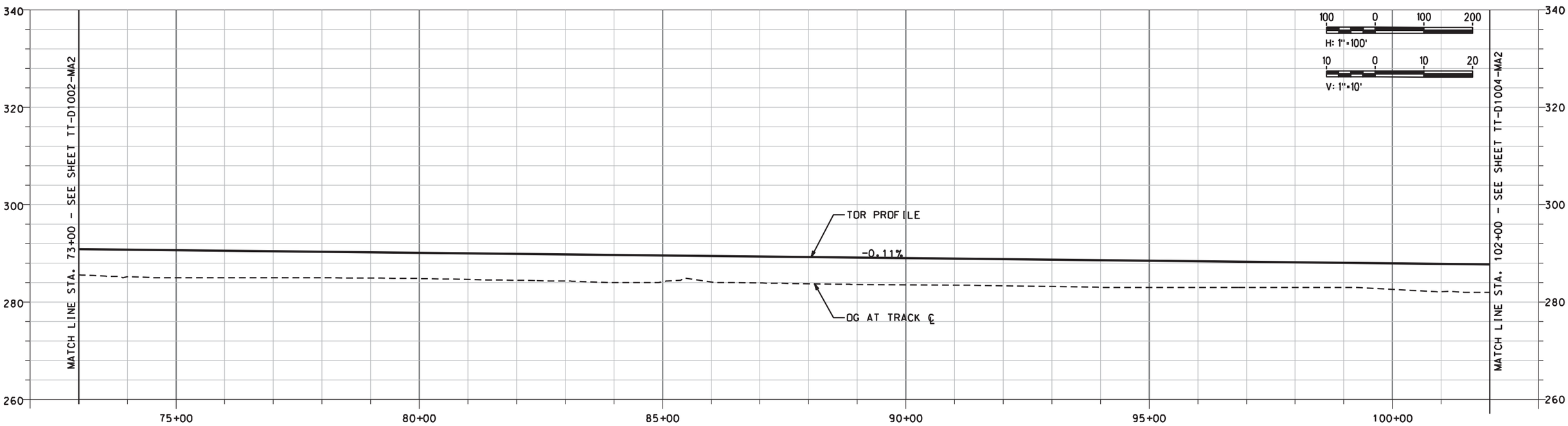
MADERA STATION RELOCATION PROJECT
PHASE 2
CALIFORNIA HIGH SPEED RAIL STATION TRACK
PLAN AND PROFILE - STA. 44+00 TO STA. 73+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-D1002-MA2
SCALE	AS SHOWN
SHEET NO.	12 OF 71

$DGNSPEC
$TIME
$DATE
$USER





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IN CHARGE	D. COWIN
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MADERA STATION RELOCATION PROJECT PHASE 2

CALIFORNIA HIGH SPEED RAIL STATION TRACK PLAN AND PROFILE - STA. 73+00 TO STA. 102+00

ENVIRONMENTAL ALTERNATIVE CODE	
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SCALE	AS SHOWN
SHEET NO.	13 OF 71

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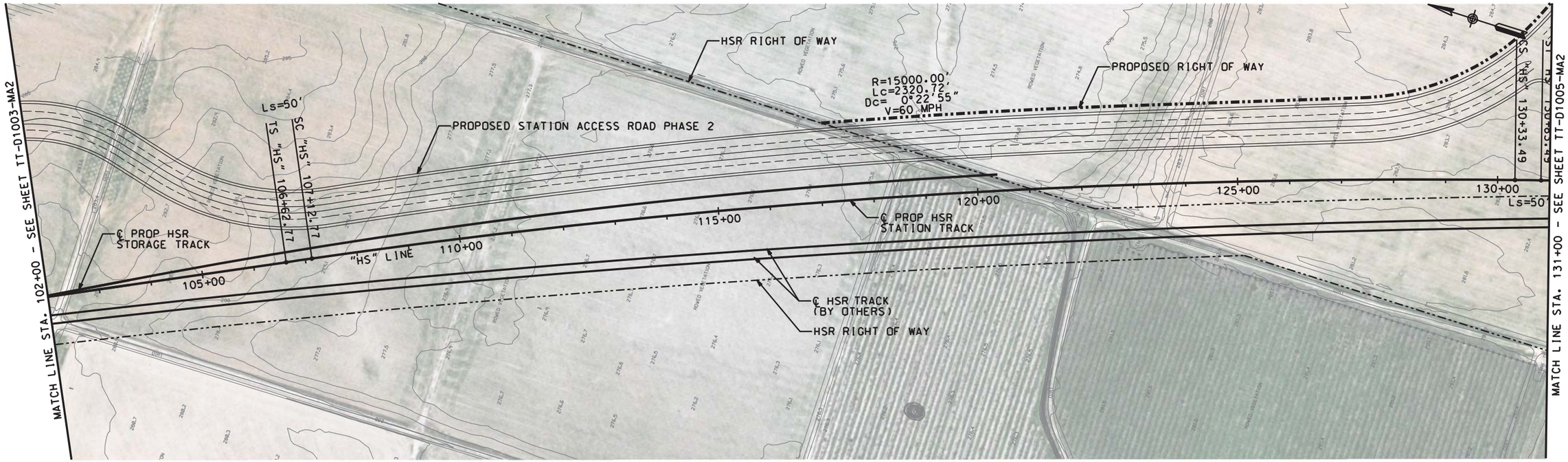

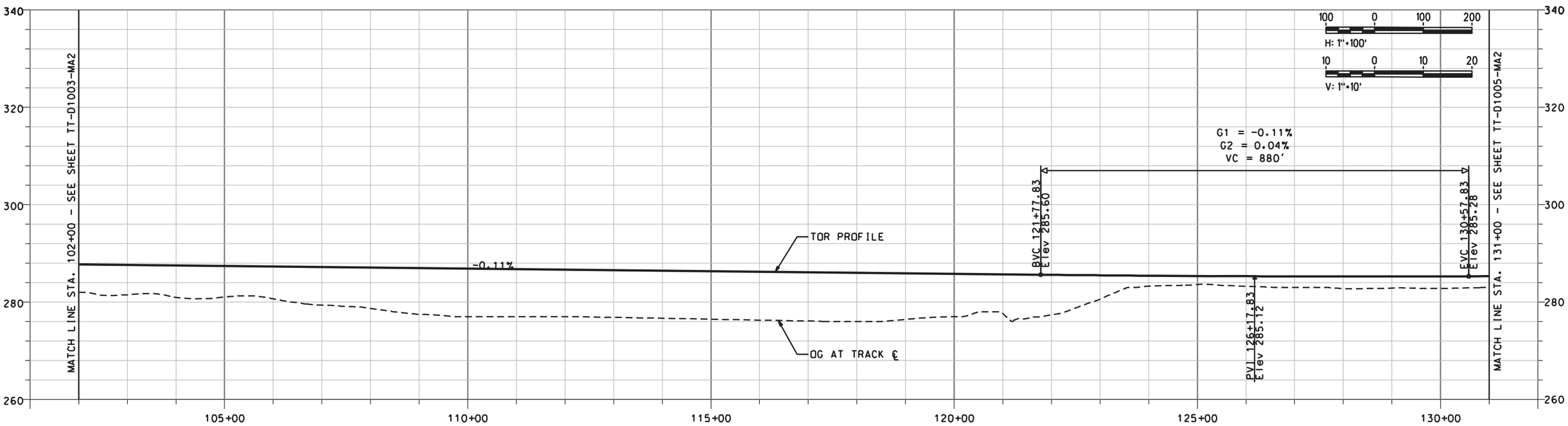

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IN CHARGE	D. COWIN
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MADERA STATION RELOCATION PROJECT
PHASE 2
CALIFORNIA HIGH SPEED RAIL STATION TRACK
PLAN AND PROFILE - STA. 102+00 TO STA. 131+00

ENVIRONMENTAL ALTERNATIVE CODE	
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SHEET NO.	14 OF 71

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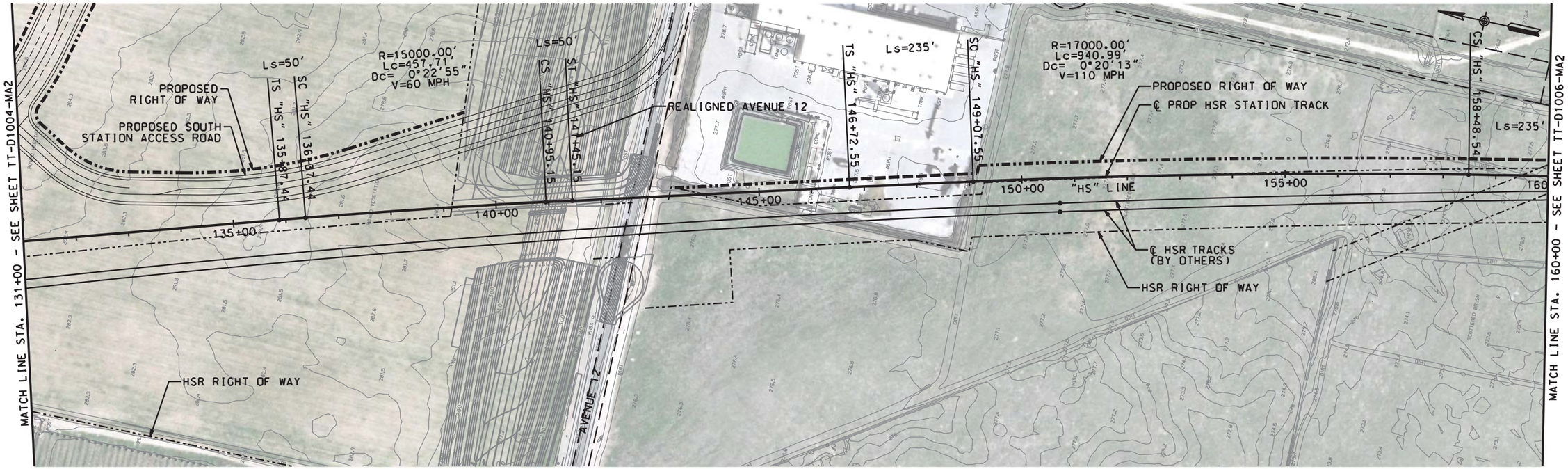

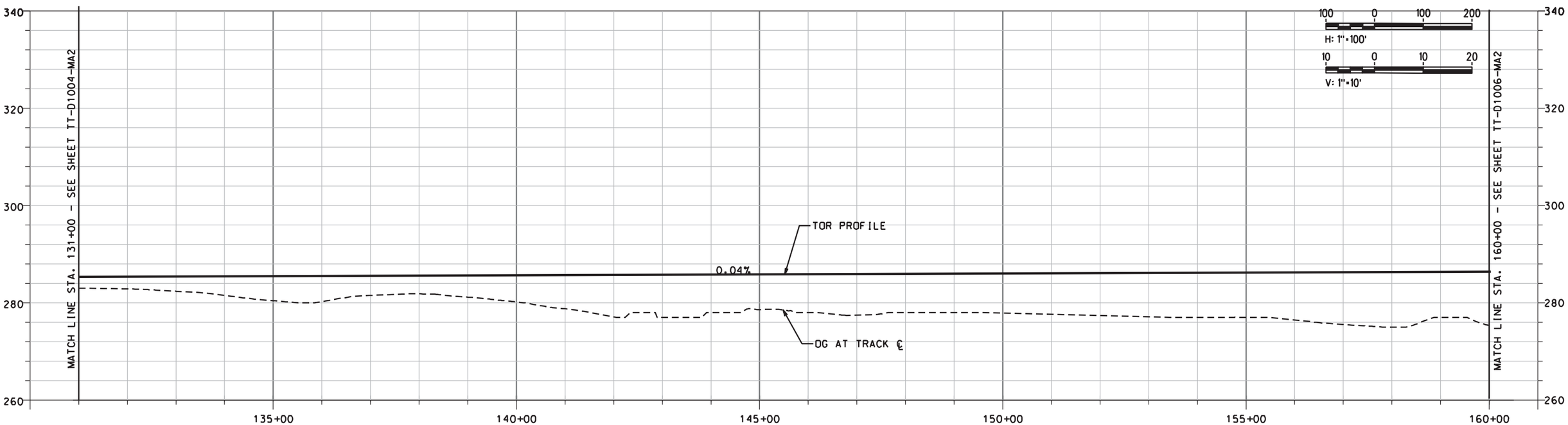

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MADERA STATION RELOCATION PROJECT
PHASE 2
CALIFORNIA HIGH SPEED RAIL STATION TRACK
PLAN AND PROFILE - STA. 131+00 TO STA. 160+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-D1005-MA2
SCALE	AS SHOWN
SHEET NO.	15 OF 71

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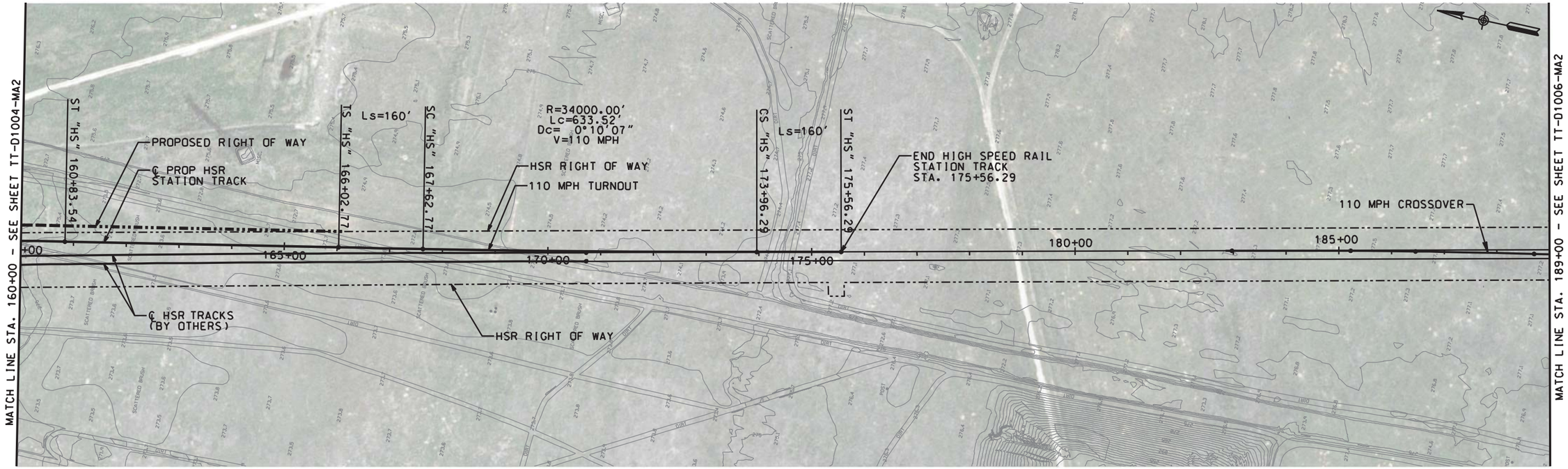

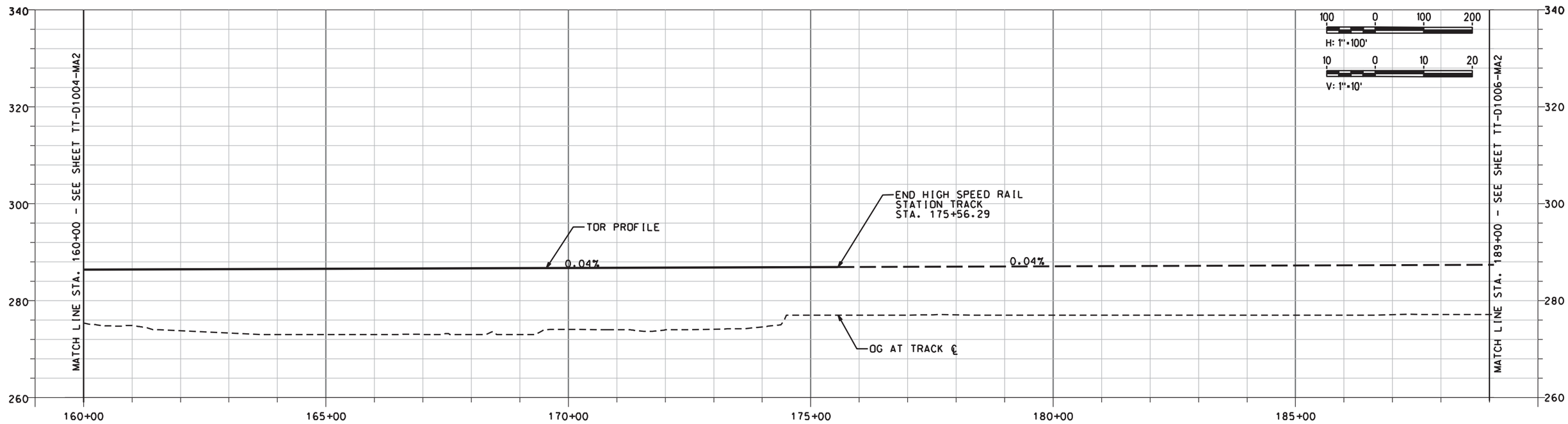

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MADERA STATION RELOCATION PROJECT
PHASE 2
CALIFORNIA HIGH SPEED RAIL STATION TRACK
PLAN AND PROFILE - STA. 160+00 TO STA. 189+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-D1006-MA2
SCALE	AS SHOWN
SHEET NO.	16 OF 71

$DGNSPEC
$TIME
$DATE
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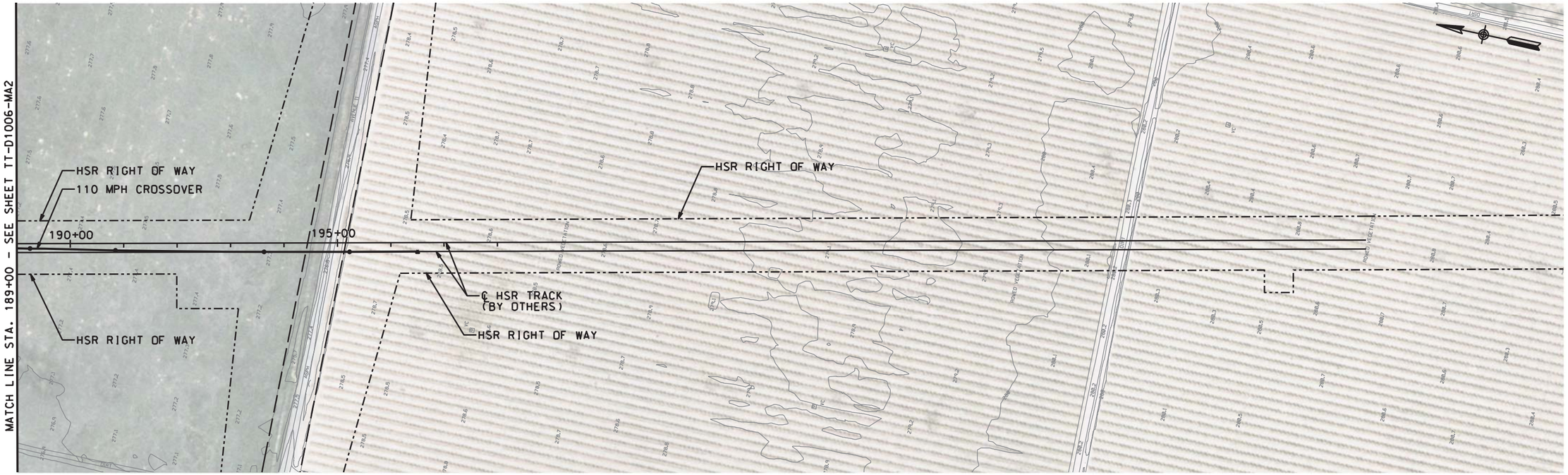

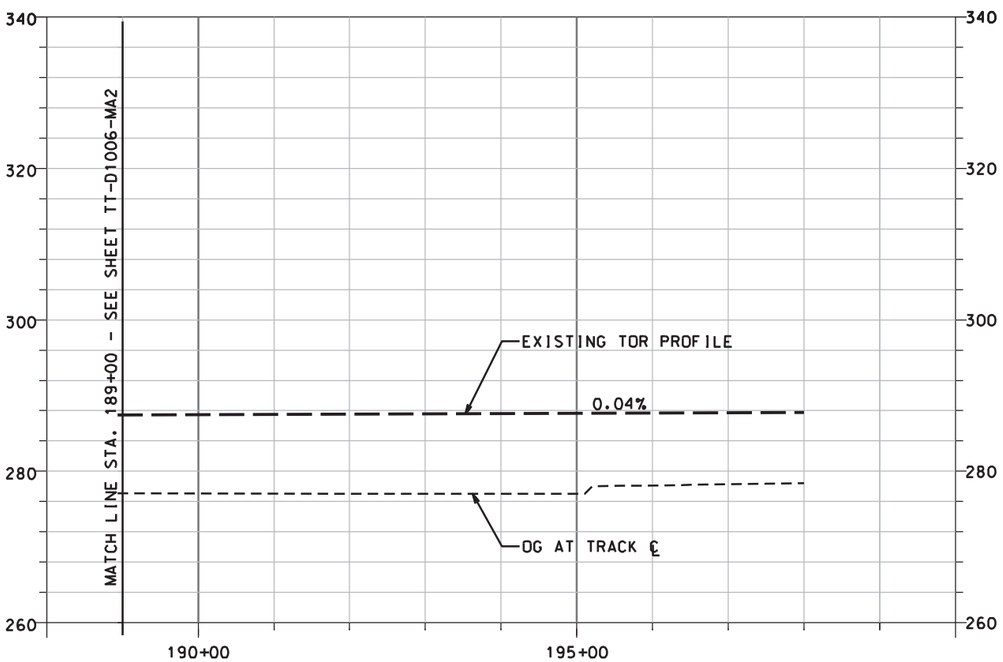

100 0 100 200
H: 1"=100'
10 0 10 20
V: 1"=10'

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CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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PHASE 2
CALIFORNIA HIGH SPEED RAIL STATION TRACK
PLAN AND PROFILE - STA. 189+00 TO STA. 198+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-D1007-MA2
SCALE	AS SHOWN
SHEET NO.	17 OF 71

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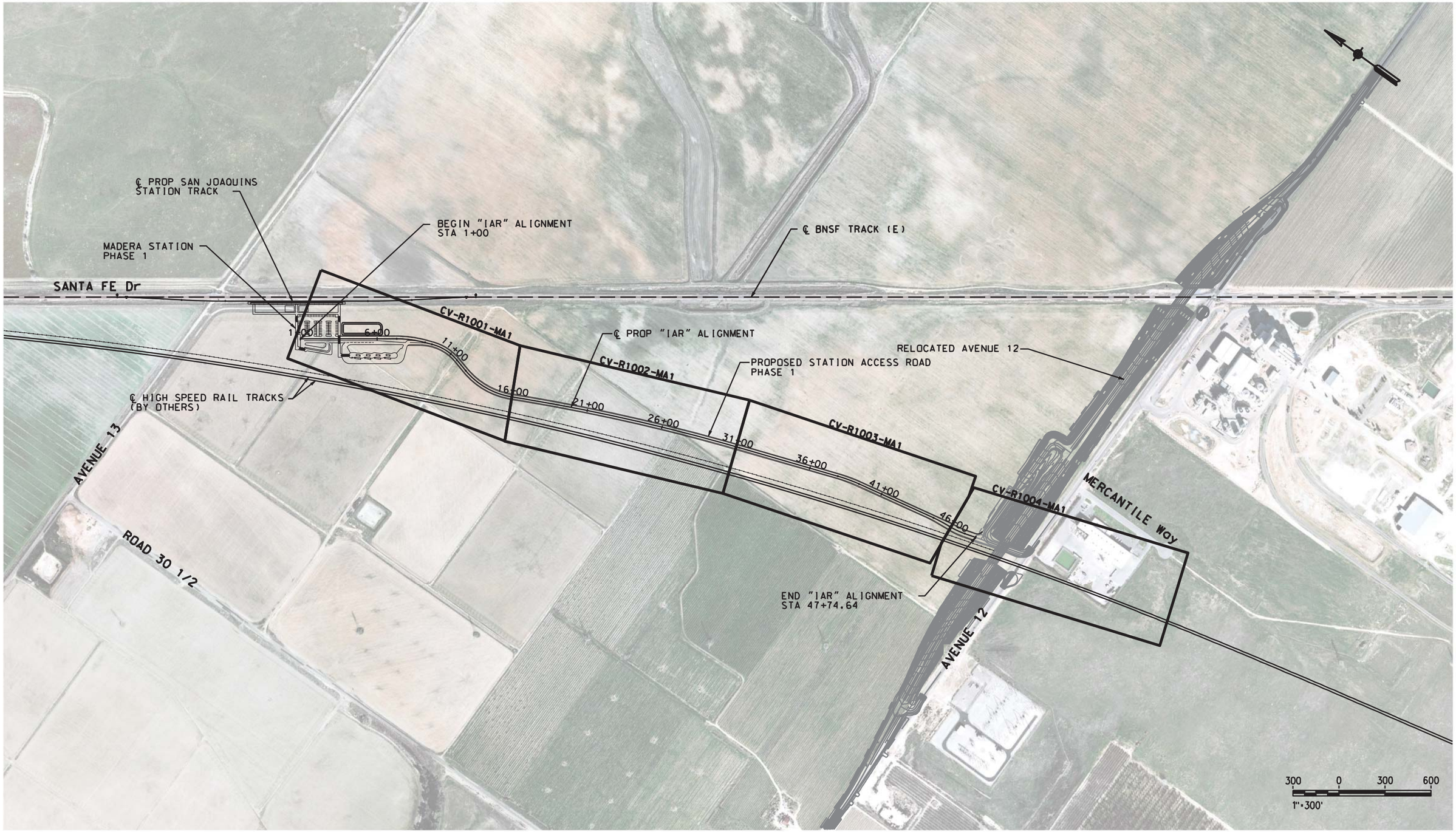

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SAN JOAQUIN JOINT POWER AUTHORITY

MADERA STATION RELOCATION PROJECT PHASE 1

KEY MAP - ACCESS ROAD PLAN STA. 10+00 TO STA. 47+74.64

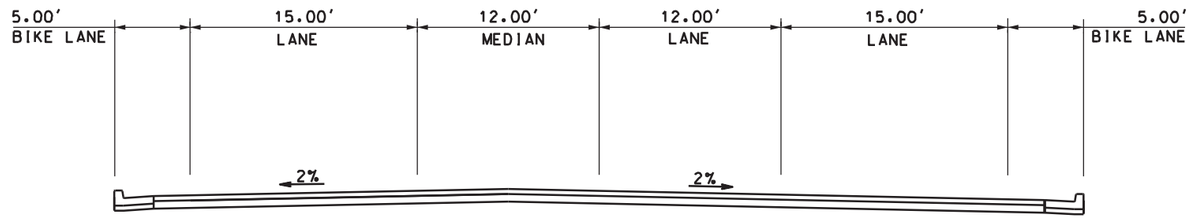
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. CV-B0001-MA1

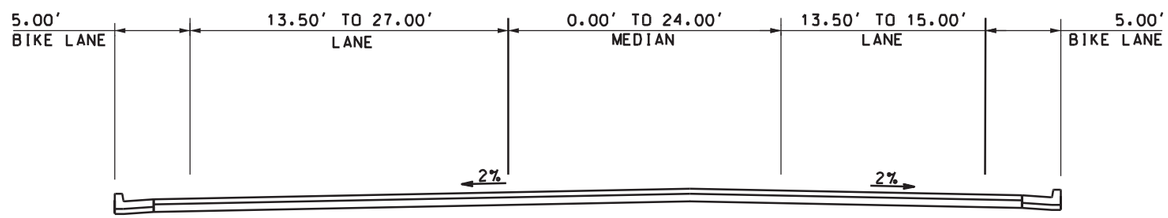
SCALE AS SHOWN

SHEET NO. 18 OF 71

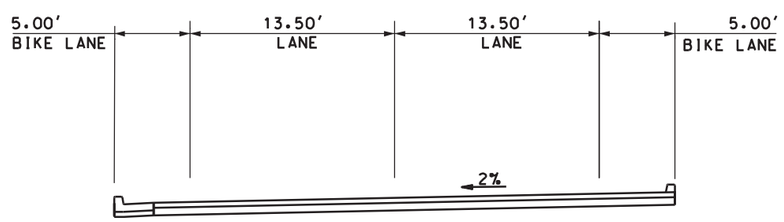
$DATE $TIME $DGNSPEC $USER



TYPICAL SECTION A
PHASE 1 ACCESS ROAD "IAR"
STA. 1+00 TO STA. 5+80



TYPICAL SECTION B
PHASE 1 ACCESS ROAD "IAR"
STA. 5+80 TO STA. 9+60



TYPICAL SECTION C
PHASE 1 ACCESS ROAD "IAR"
STA. 9+60 TO STA. 44+71

5 0 5 10
1"=5'

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IN CHARGE D.COWIN
DATE 10-12-2020

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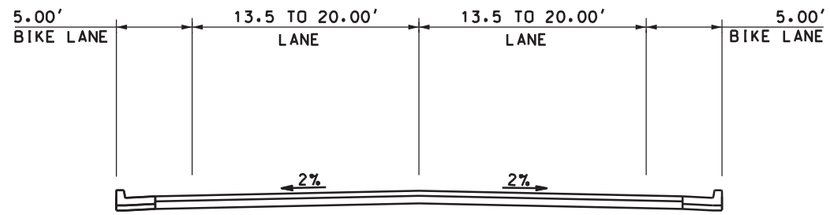
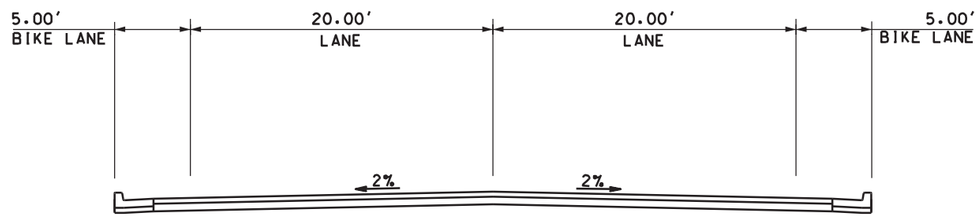
MADERA STATION RELOCATION PROJECT
PHASE 1
ACCESS ROAD - TYPICAL SECTIONS
SHEET 1 OF 2

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. CV-D0001-MA1
SCALE 1"= 5'
SHEET NO. 19 OF 71

$DGNSPEC
$TIME
$DATE
$USER



TYPICAL SECTION D
PHASE 1 ACCESS ROAD "IAR"
STA. 44+71 TO STA. 45+91



TYPICAL SECTION E
PHASE 1 ACCESS ROAD "IAR"
STA. 45+91 TO STA. 47+74.64

5 0 5 10
1"=5'

NOT FOR CONSTRUCTION

$DGNSPEC
$TIME
$DATE
$USER

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IN CHARGE	D.COWIN
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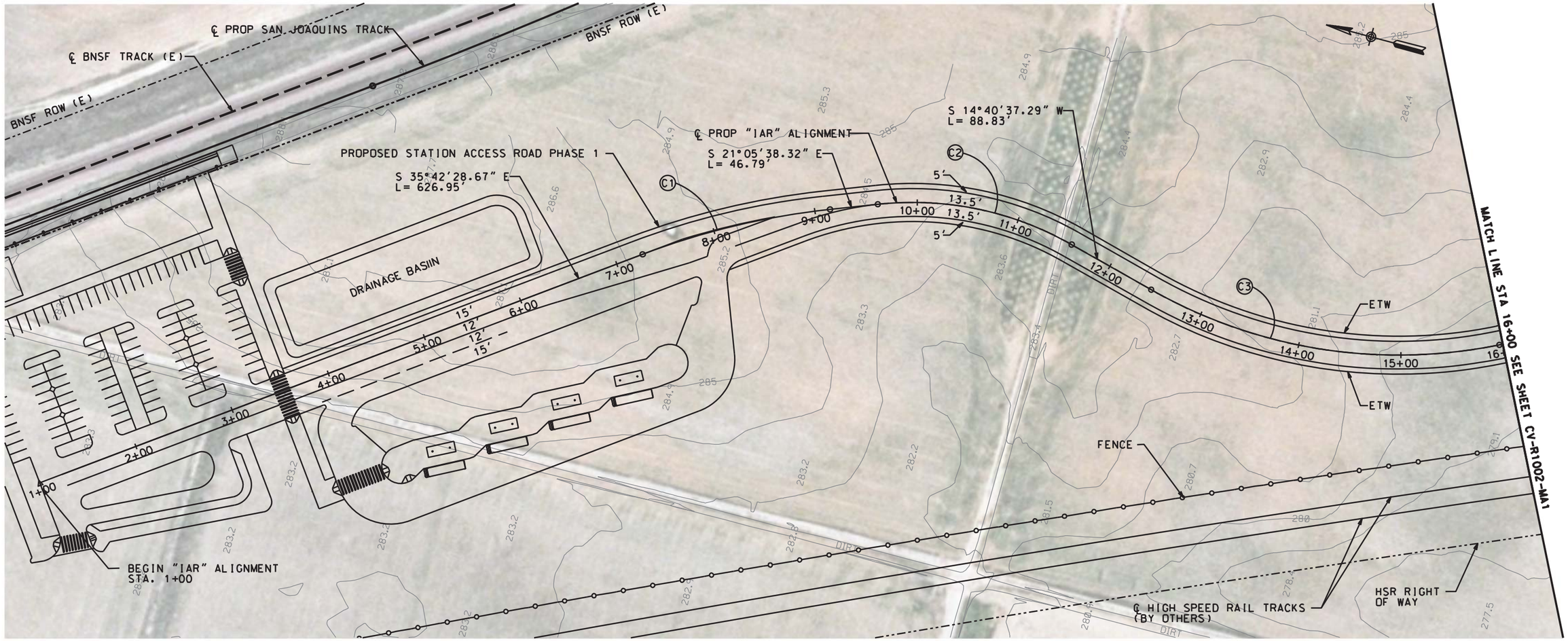
MADERA STATION RELOCATION PROJECT
PHASE 1
ACCESS ROAD - TYPICAL SECTIONS
SHEET 2 OF 2

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	CV-D0002-MA1
SCALE	1"= 5'
SHEET NO.	20 OF 71



PLAN

CURVE TABLE				
No.	R	Δ	T	L
C1	736.50'	14°36'50.05"	94.44'	187.85'
C2	313.50'	35°46'15.86"	101.17'	195.73'
C3	486.50'	41°15'10.00"	183.12'	350.28'

50 0 50 100
1"=50'

NOT FOR CONSTRUCTION

$USER $DATE $TIME $DGNSPEC

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CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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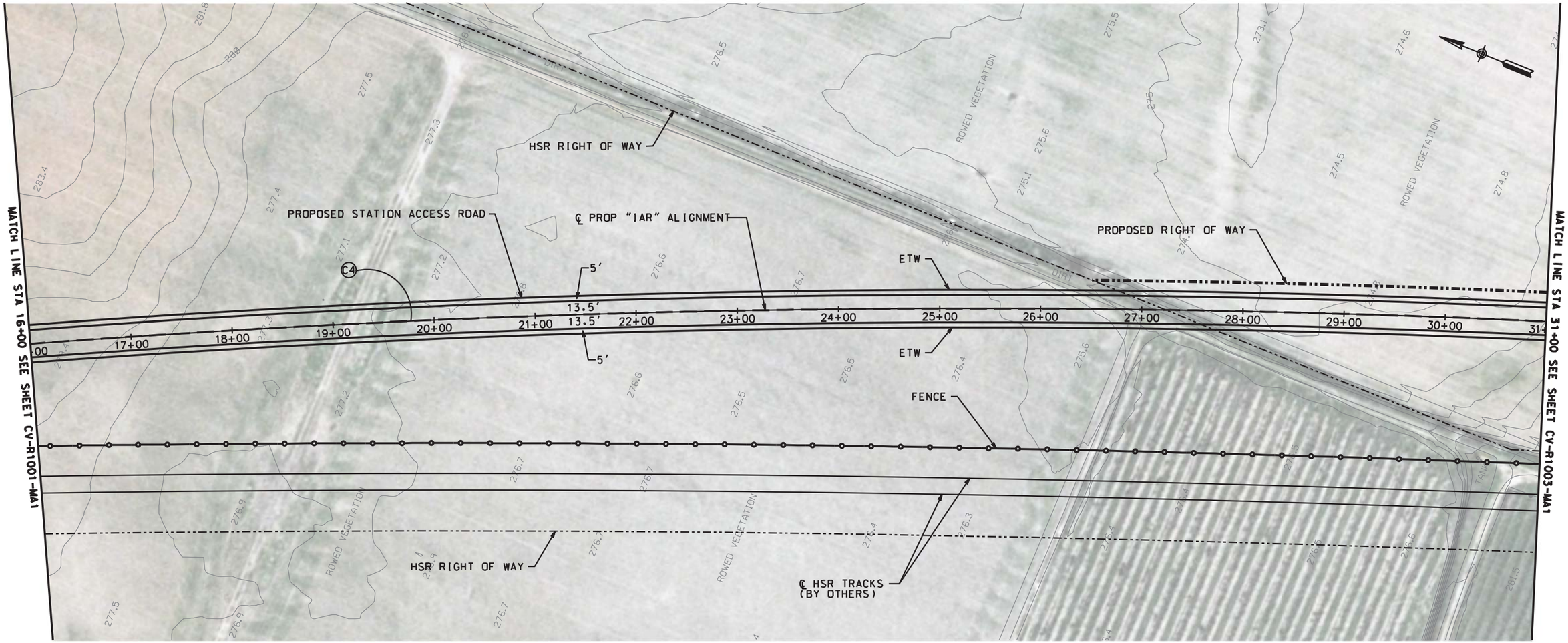
MADERA STATION RELOCATION PROJECT
PHASE 1
ACCESS ROAD PLAN
STA 1+00 TO STA 16+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. CV-R1001-MA1
SCALE AS SHOWN
SHEET NO. 21 OF 71

CURVE TABLE				
No.	R	Δ	T	L
C4	12553.50'	6°57'43.72"	763.64'	1525.40'



PLAN

50 0 50 100
1"=50'

NOT FOR CONSTRUCTION

$DATE					
$USER					

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CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 10-12-2020

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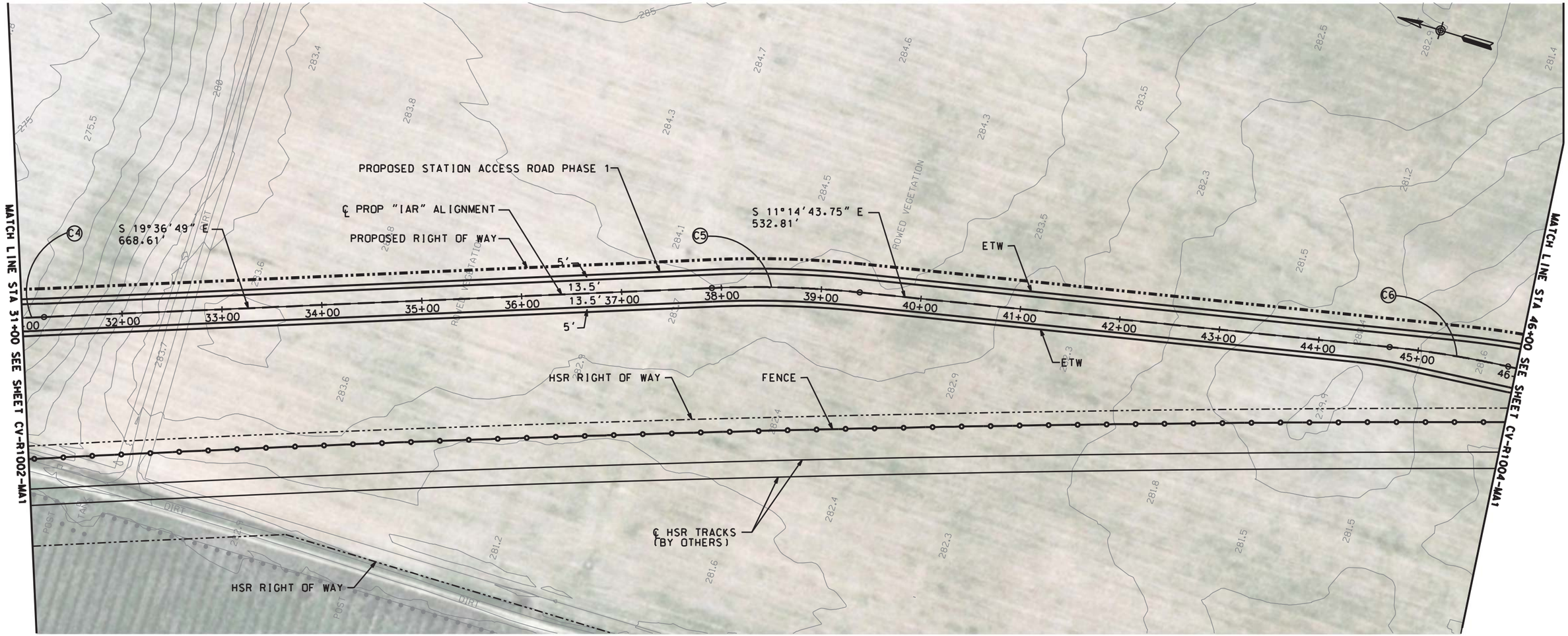
MADERA STATION RELOCATION PROJECT
PHASE 1
ACCESS ROAD PLAN
STA. 16+00 TO STA. 31+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. CV-R1002-MA1
SCALE AS SHOWN
SHEET NO. 22 OF 71

$DGNSPEC
$TIME

CURVE TABLE				
No.	R	Δ	T	L
C4	12553.50'	6°57'43.72"	763.64'	1525.40'
C5	1013.50'	8°22'05.25"	74.14'	148.02'
C6	1000.00'	6°53'17.41"	60.18'	120.22'



PLAN

50 0 50 100
1"=50'

NOT FOR CONSTRUCTION

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DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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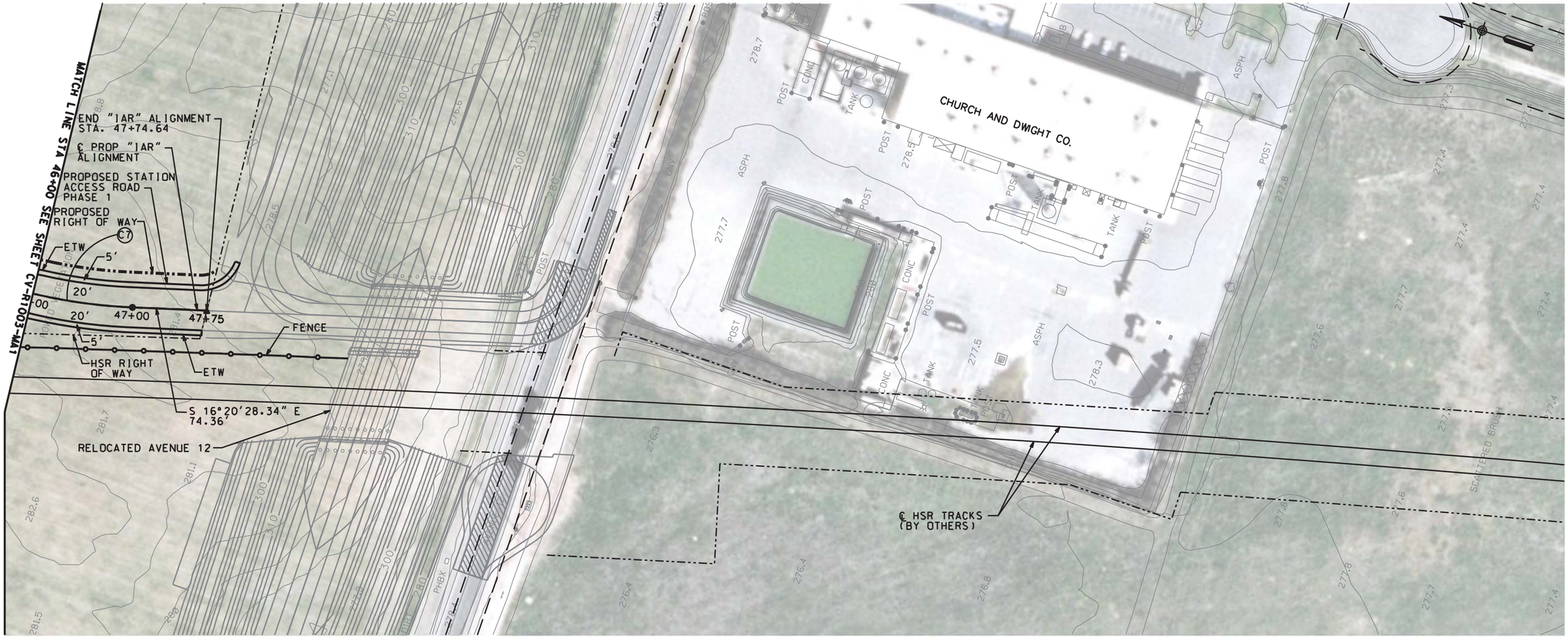
MADERA STATION RELOCATION PROJECT
PHASE 1
ACCESS ROAD PLAN
STA. 31+00 TO STA. 46+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	CV-R1003-MA1
SCALE	AS SHOWN
SHEET NO.	23 OF 71

$DGNSPEC
$TIME
$DATE
$USER

CURVE TABLE				
No.	R	Δ	T	L
C7	520.00'	11°59'02.00"	54.58'	108.76'



PLAN

50 0 50 100
1"=50'

NOT FOR CONSTRUCTION

$DATE					

$USER $TIME $DGNSPEC

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CHECKED BY D. HARTMAN
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DATE 10-12-2020

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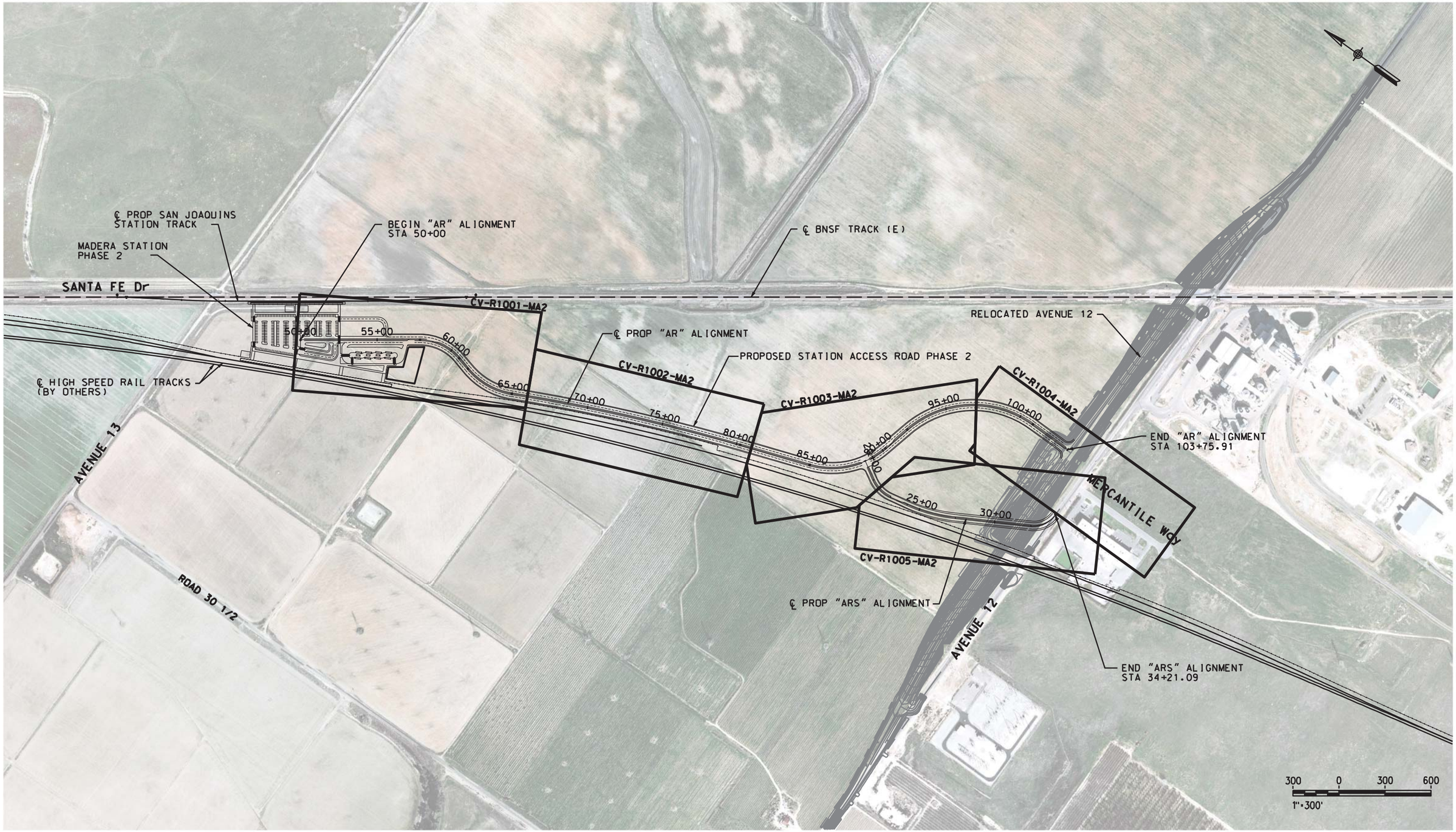
MADERA STATION RELOCATION PROJECT
PHASE 1
ACCESS ROAD PLAN
STA. 46+00 TO STA. 47+74.64

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. CV-R1004-MA1
SCALE AS SHOWN
SHEET NO. 24 OF 71



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MADERA STATION RELOCATION PROJECT
PHASE 2
KEY MAP - ACCESS ROAD

STA. 50+00 TO STA. 103+75.91 AND STA. 20+00 TO STA. 34+21.09

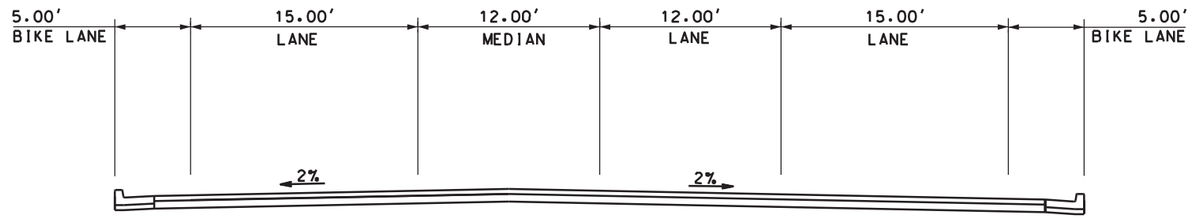
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. CV-B0001-MA2

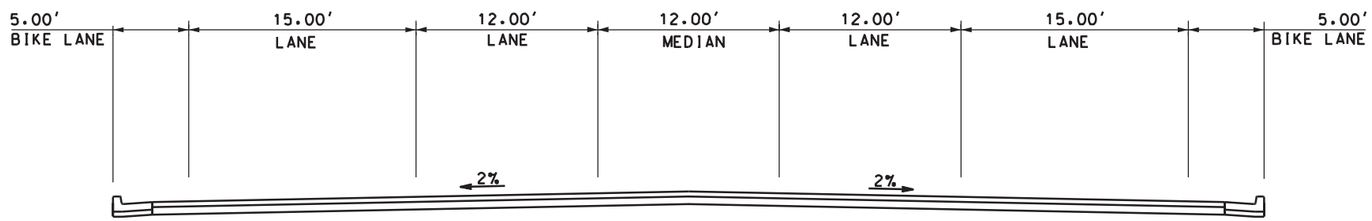
SCALE AS SHOWN

SHEET NO. 25 OF 71

$DGNSPEC $TIME $DATE $USER



TYPICAL SECTION A
PHASE 2 ACCESS ROAD " AR"
STA. 50+00 TO STA. 55+60



TYPICAL SECTION B
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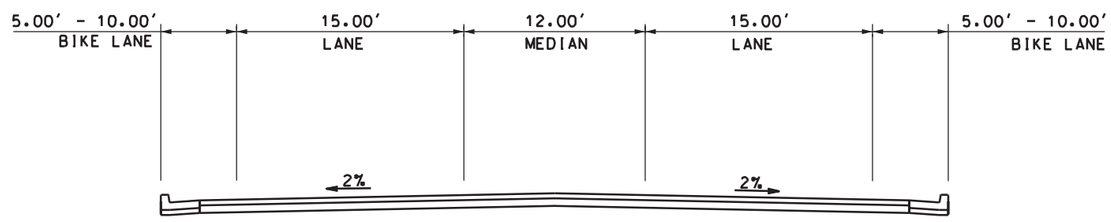
STA. 55+60 TO STA. 103+75.91



TYPICAL SECTION C
PHASE 2 ACCESS ROAD " ARS"
STA. 20+00 TO STA. 31+21.12

5 0 5 10
1"=5'

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CHECKED BY	D. HARTMAN
IN CHARGE	D.COWIN
DATE	10-12-2020

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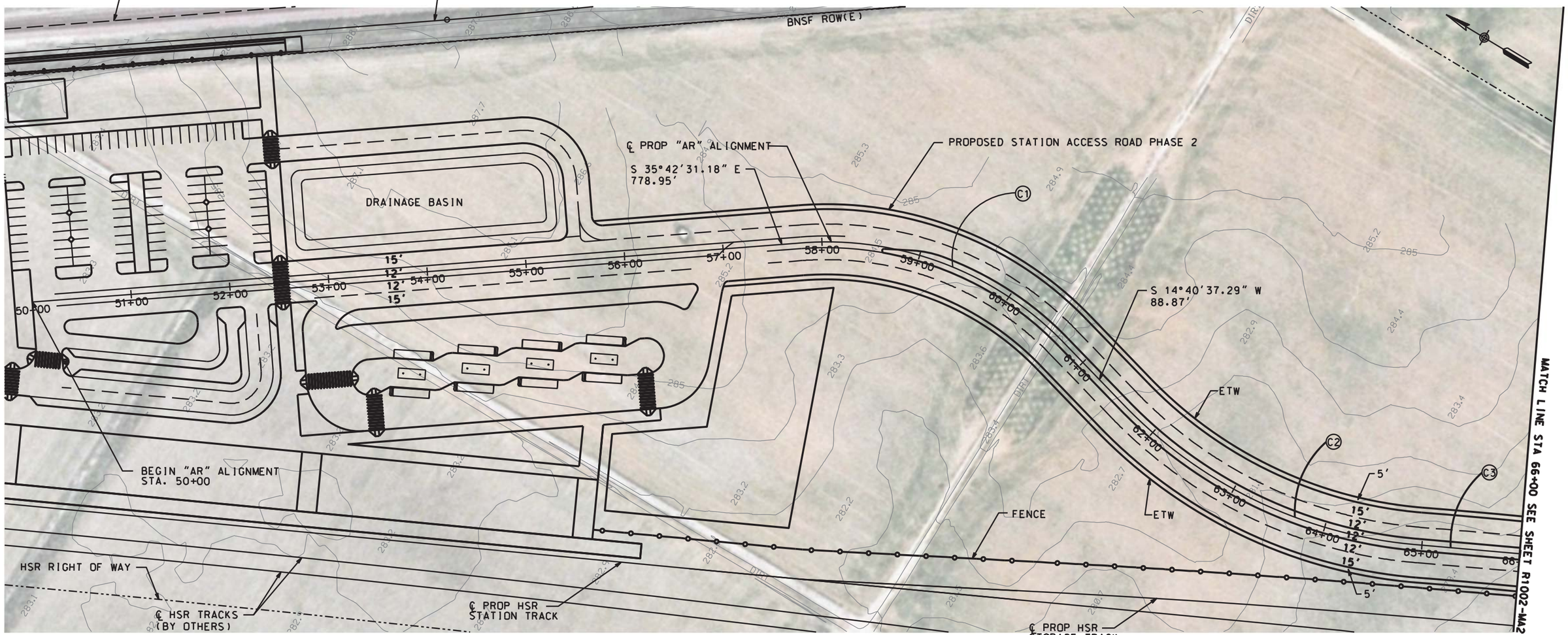
MADERA STATION RELOCATION PROJECT
PHASE 2
ACCESS ROAD - TYPICAL SECTIONS
SHEET 1 OF 1

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	CV-D0001-MA2
SCALE	1"= 5'
SHEET NO.	26 OF 71

$DGNSPEC
$TIME
$DATE
$USER

CURVE TABLE				
No.	R	Δ	T	L
C1	333.00'	50°23'08.47"	156.65'	292.84'
C2	467.00'	41°15'10.00"	175.78'	336.24'
C3	12573.00'	6°57'43.72"	764.83'	1527.77'



PLAN

50 0 50 100
1"=50'

NOT FOR CONSTRUCTION

DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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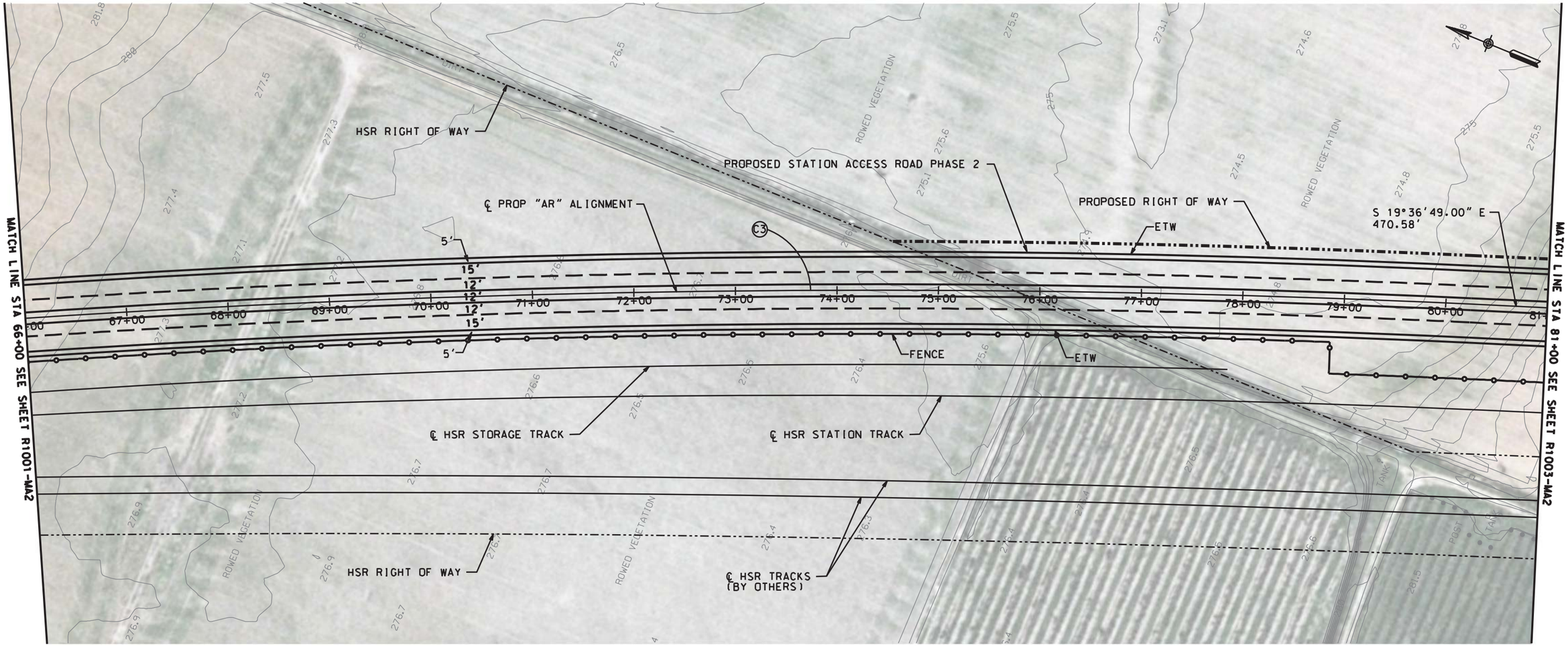
SAN JOAQUIN JOINT POWER AUTHORITY

MADERA STATION RELOCATION PROJECT
PHASE 2
ACCESS ROAD PLAN
STA. 50+00 TO STA. 66+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	CV-R1001-MA2
SCALE	AS SHOWN
SHEET NO.	27 OF 71

$DGNSPEC
$TIME
$DATE
$USER

CURVE TABLE				
No.	R	Δ	T	L
C3	12573.00'	6°57'43.72"	764.83'	1527.77'



PLAN

50 0 50 100
1"=50'

NOT FOR CONSTRUCTION

$DGNSPEC
$TIME
$DATE
$USER

DESIGNED BY A. SHIELDS
DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 10-12-2020

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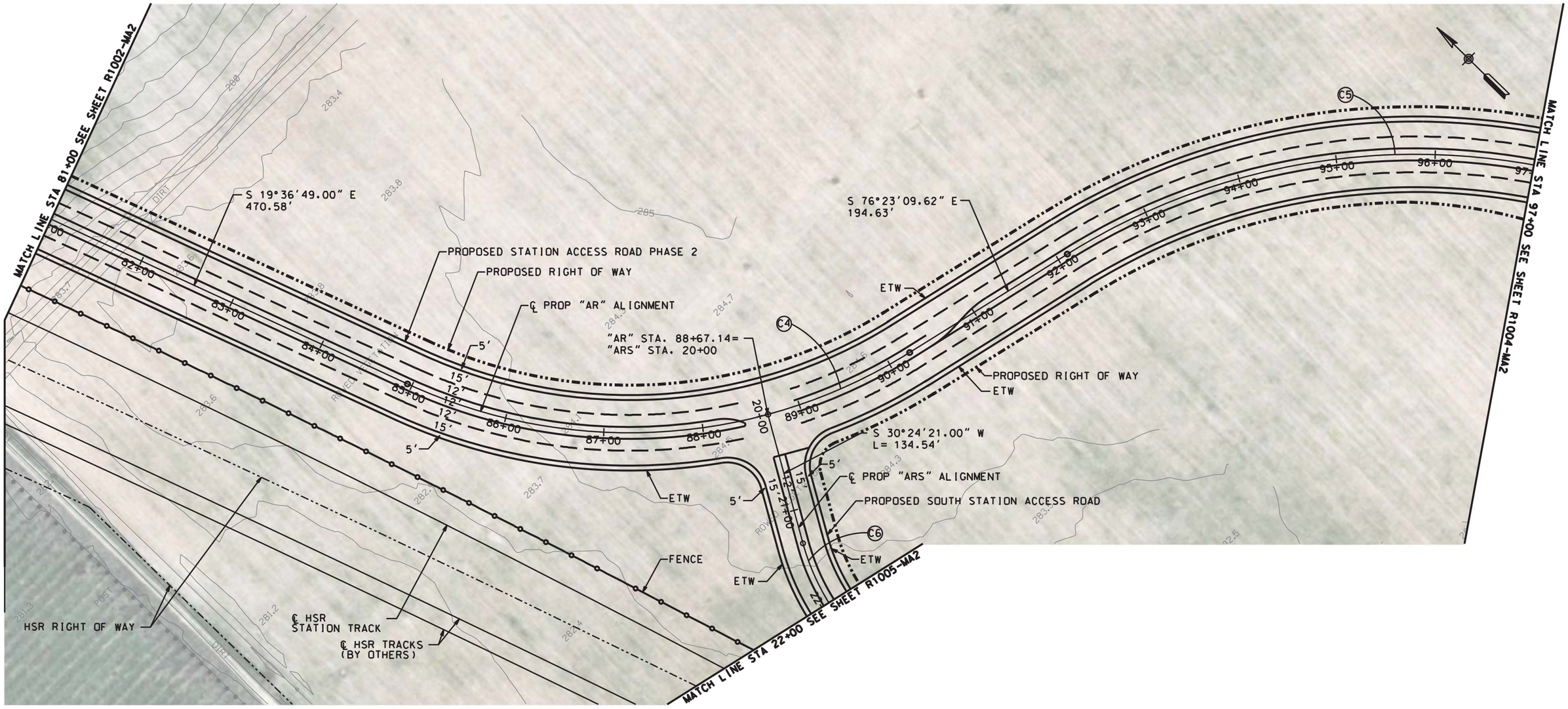
MADERA STATION RELOCATION PROJECT
PHASE 2
ACCESS ROAD PLAN
STA. 66+00 TO STA. 81+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. CV-R1002-MA2
SCALE AS SHOWN
SHEET NO. 28 OF 71



PLAN

CURVE TABLE				
No.	R	Δ	T	L
C4	533.00'	56°46'35.29"	288.05'	528.17'
C5	662.00'	76°34'20.78"	522.56'	884.72'
C6	221.00'	41°39'04.01"	84.06'	160.66'

50 0 50 100
1"=50'

NOT FOR CONSTRUCTION

$DGNSPEC
$TIME
$DATE
$USER

DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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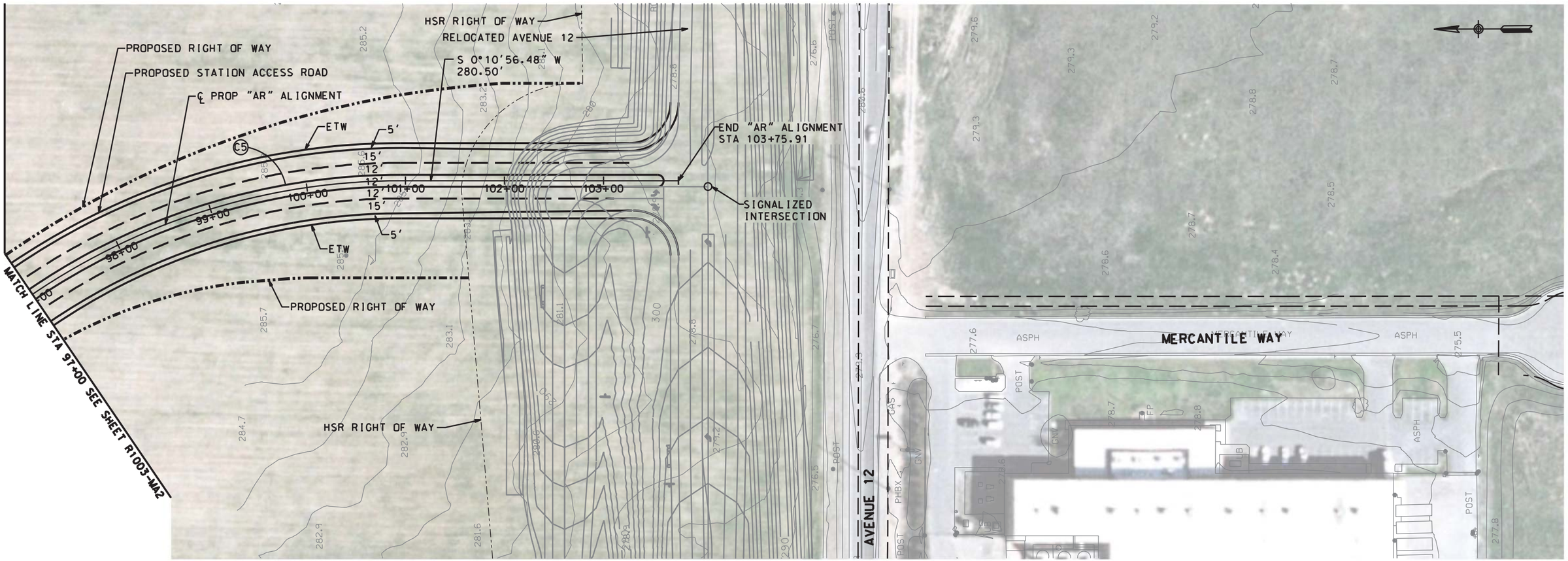
MADERA STATION RELOCATION PROJECT
PHASE 2
ACCESS ROAD PLAN
STA. 81+00 TO STA. 97+00 AND STA. 20+00 TO STA. 22+00

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. CV-R1003-MA2

SCALE AS SHOWN

SHEET NO. 29 OF 71



PLAN

CURVE TABLE				
No.	R	Δ	T	L
C5	662.00'	76°34'20.78"	522.56'	884.72'

50 0 50 100
1"=50'

NOT FOR CONSTRUCTION

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DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 10-12-2020

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MADERA STATION RELOCATION PROJECT
PHASE 2
ACCESS ROAD PLAN
STA. 97+00 TO STA. 103+75.91

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. CV-R1004-MA2
SCALE AS SHOWN
SHEET NO. 30 OF 71

$DGNSPEC
$TIME
$DATE
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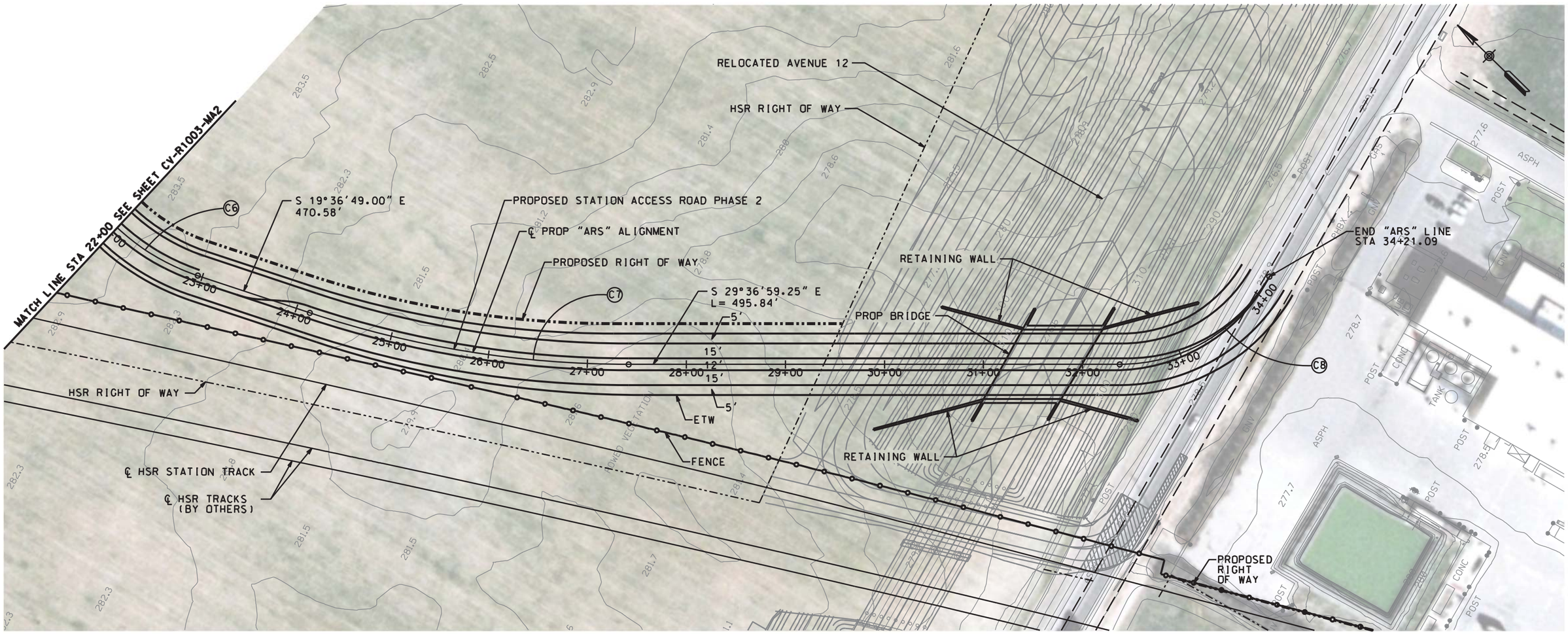

PLAN

CURVE TABLE				
No.	R	Δ	T	L
C6	221.00'	41°39'04.01"	84.06'	160.66'
C7	1021.00'	18°22'16.24"	165.10'	327.37'
C8	173.02'	60°45'58.68"	101.44'	183.50'

50 0 50 100
1"=50'

NOT FOR CONSTRUCTION

$DGNSPEC
$TIME
$DATE
$USER

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DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 10-12-2020

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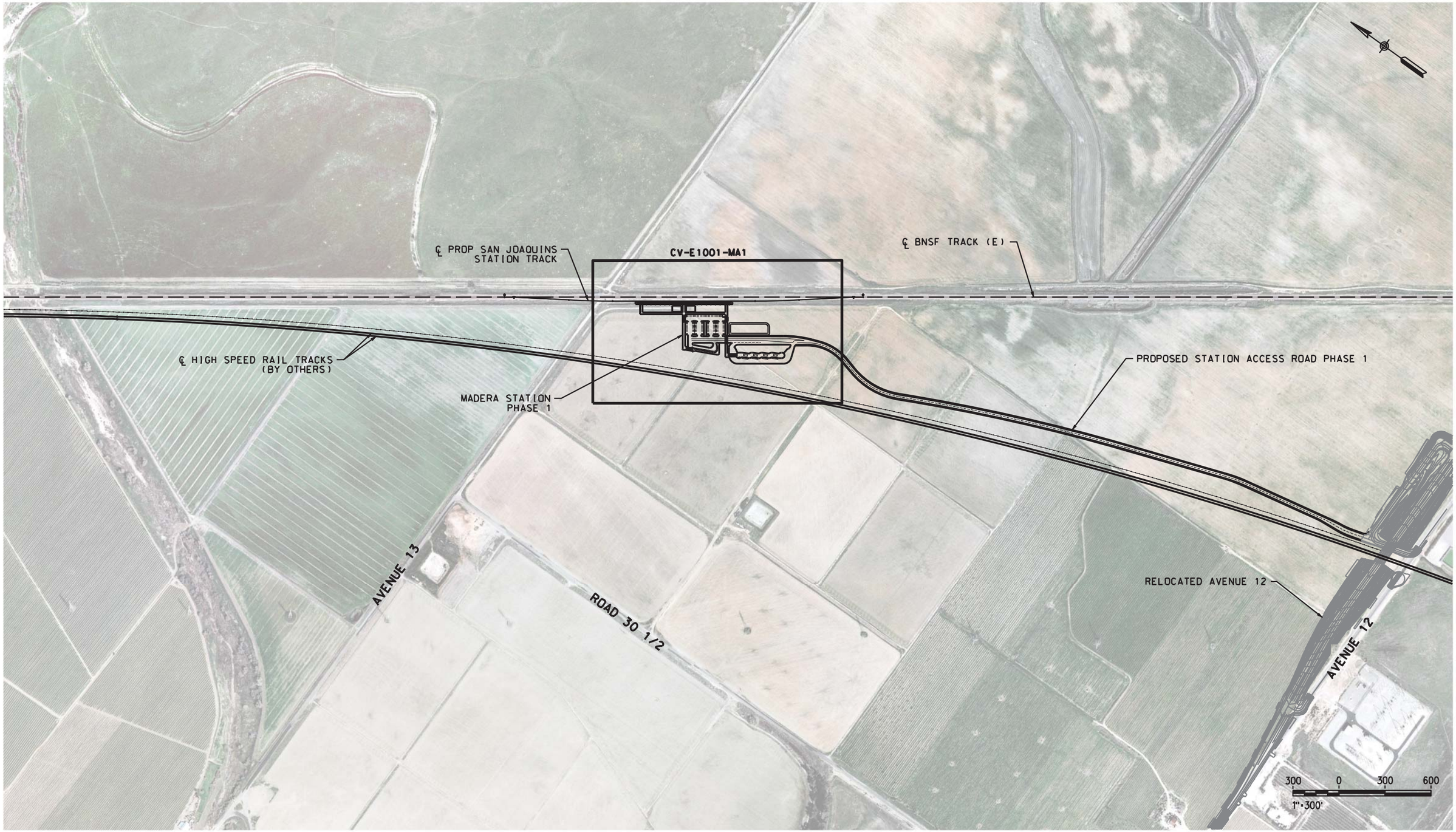
MADERA STATION RELOCATION PROJECT
PHASE 2
ACCESS ROAD PLAN
STA. 22+00 TO STA. 34+21.09

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. CV-R1005-MA2
SCALE AS SHOWN
SHEET NO. 31 OF 71



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CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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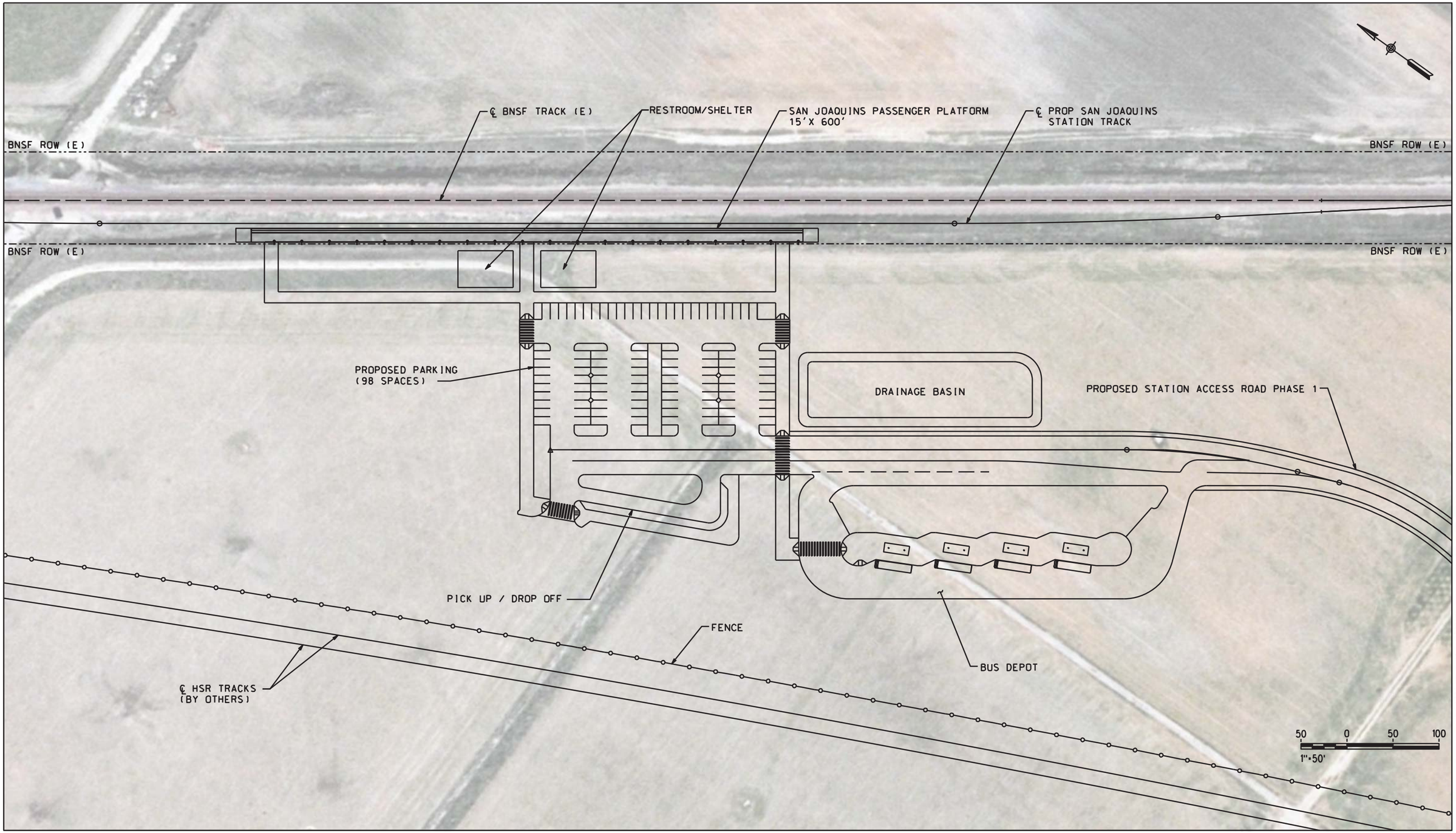
MADERA STATION RELOCATION PROJECT
PHASE 1
KEY MAP - STATION
MADERA STATION

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	CV-B1001-MA1
SCALE	AS SHOWN
SHEET NO.	32 OF 71

$DGNSPEC
$TIME
$DATE
$USER



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IN CHARGE	D. COWIN
DATE	10-12-2020

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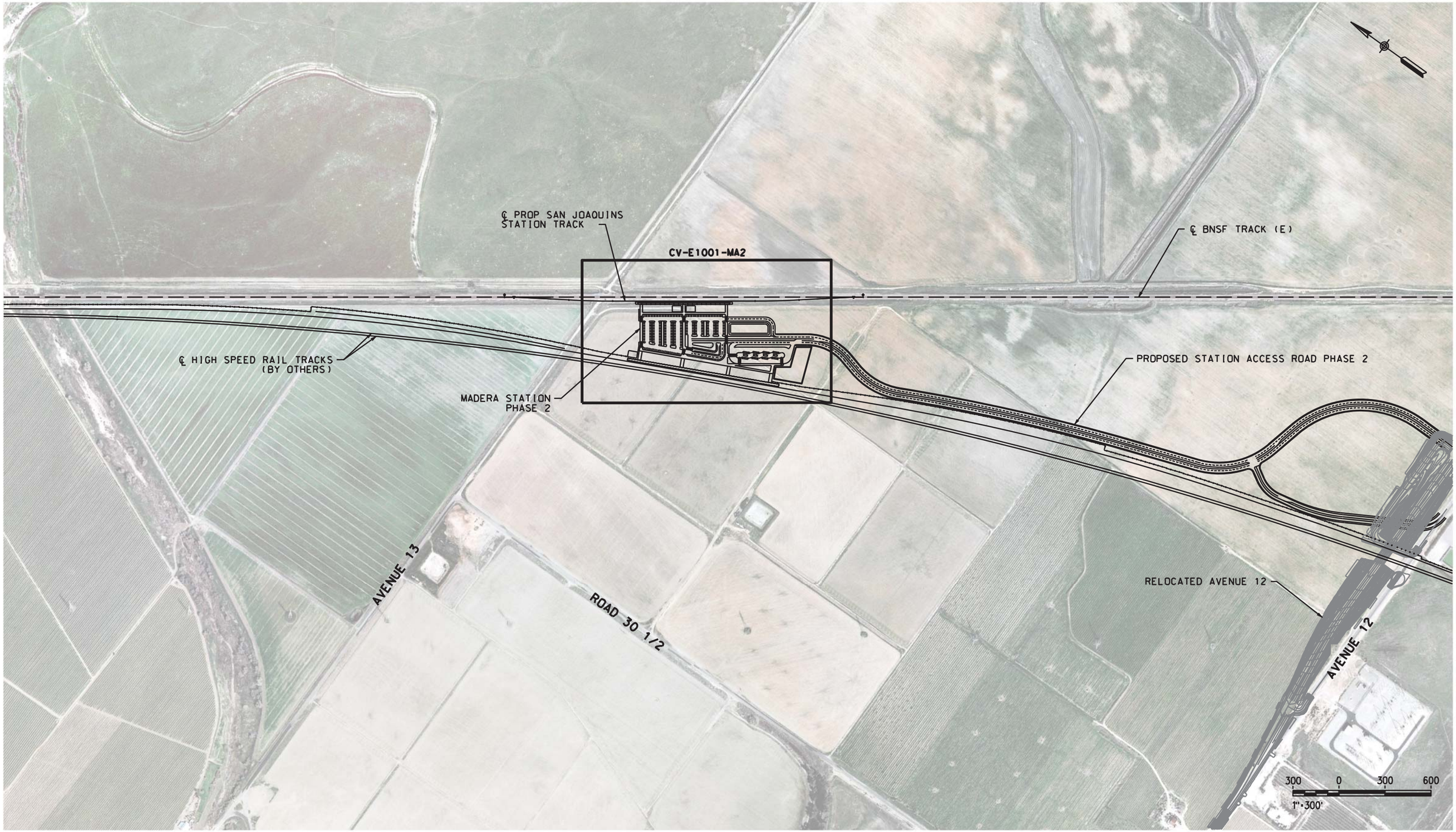
MADERA STATION RELOCATION PROJECT
PHASE 1
MADERA STATION
STATION AREA PLAN

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	CV-E1001-MA1
SCALE	AS SHOWN
SHEET NO.	33 OF 71

$DGNSPEC
$TIME
$DATE
$USER



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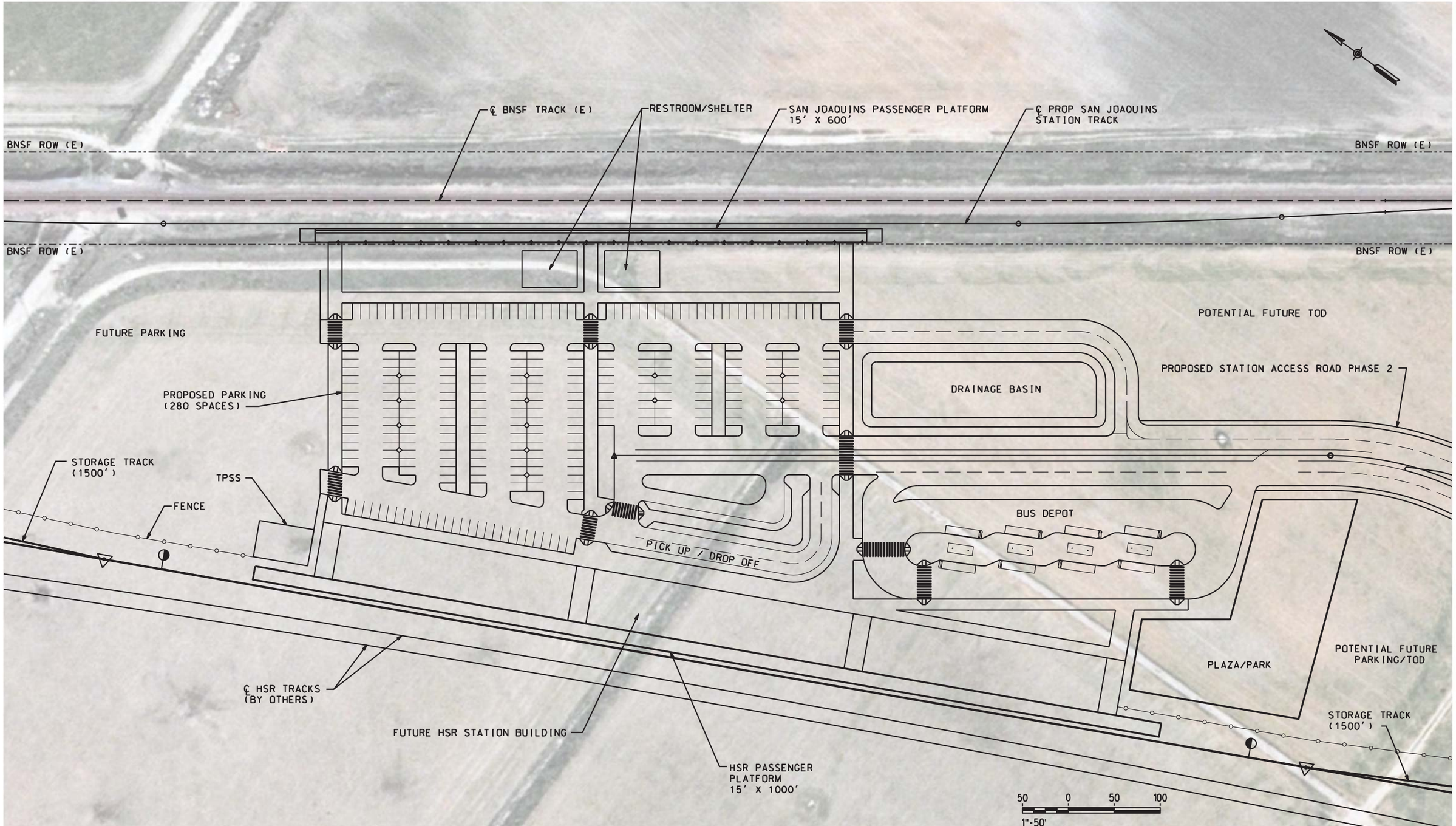
MADERA STATION RELOCATION PROJECT
PHASE 2
KEY MAP - STATION
MADERA STATION

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. CV-B1001-MA2
SCALE AS SHOWN
SHEET NO. 34 OF 71

$DGNSPEC
$TIME
$DATE
$USER



PLAN

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DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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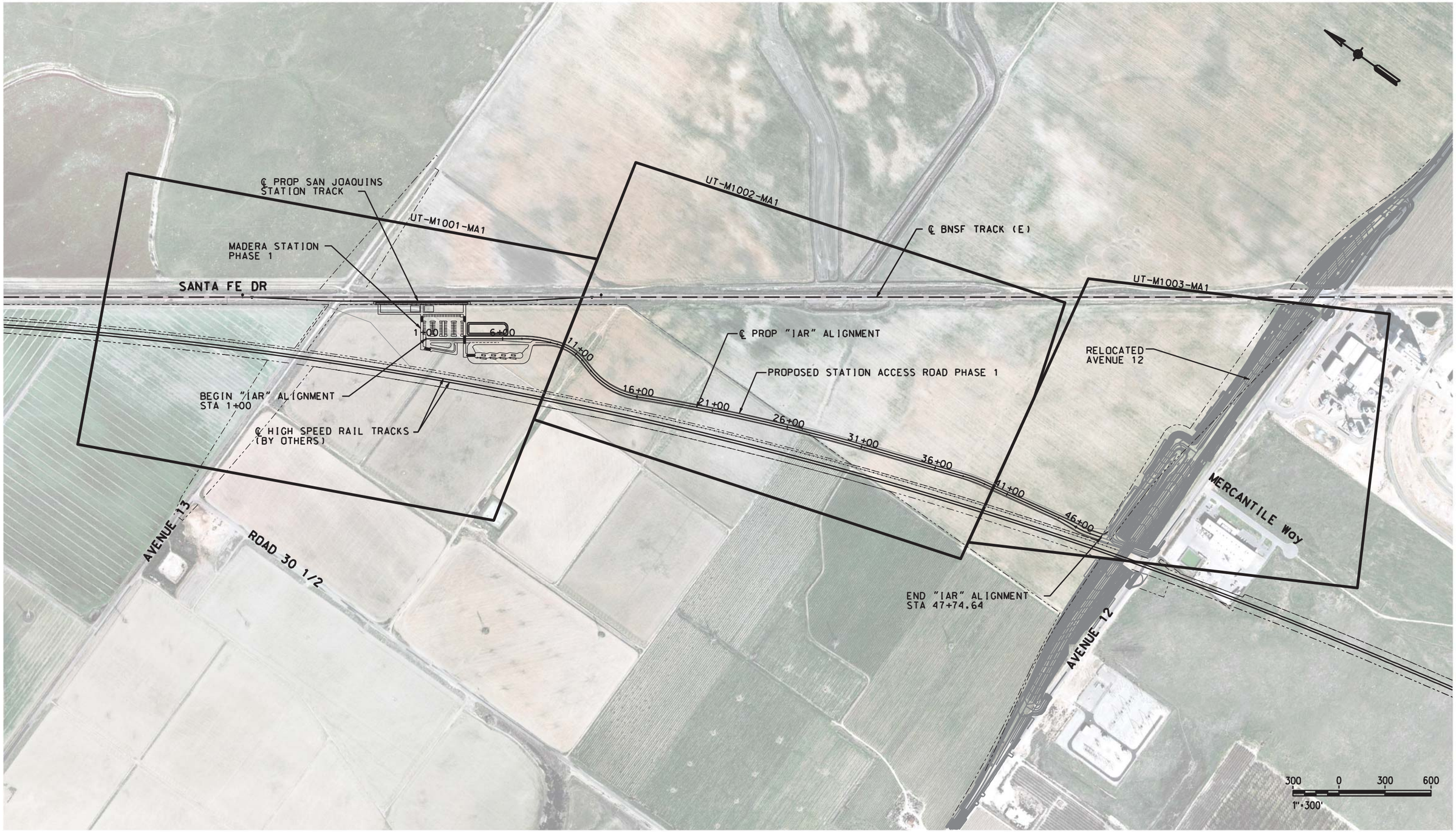
MADERA STATION RELOCATION PROJECT
PHASE 2
MADERA STATION
STATION AREA PLAN

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	CV-E1001-MA2
SCALE	AS SHOWN
SHEET NO.	35 OF 71

$DGNSPEC
$TIME
$DATE
$USER



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MADERA STATION RELOCATION PROJECT PHASE 1

KEY MAP - UTILITY PLAN STA. 1+00 TO STA. 47+74.64

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. UT-B0001-MA1

SCALE AS SHOWN

SHEET NO. 36 OF 71

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$DATE
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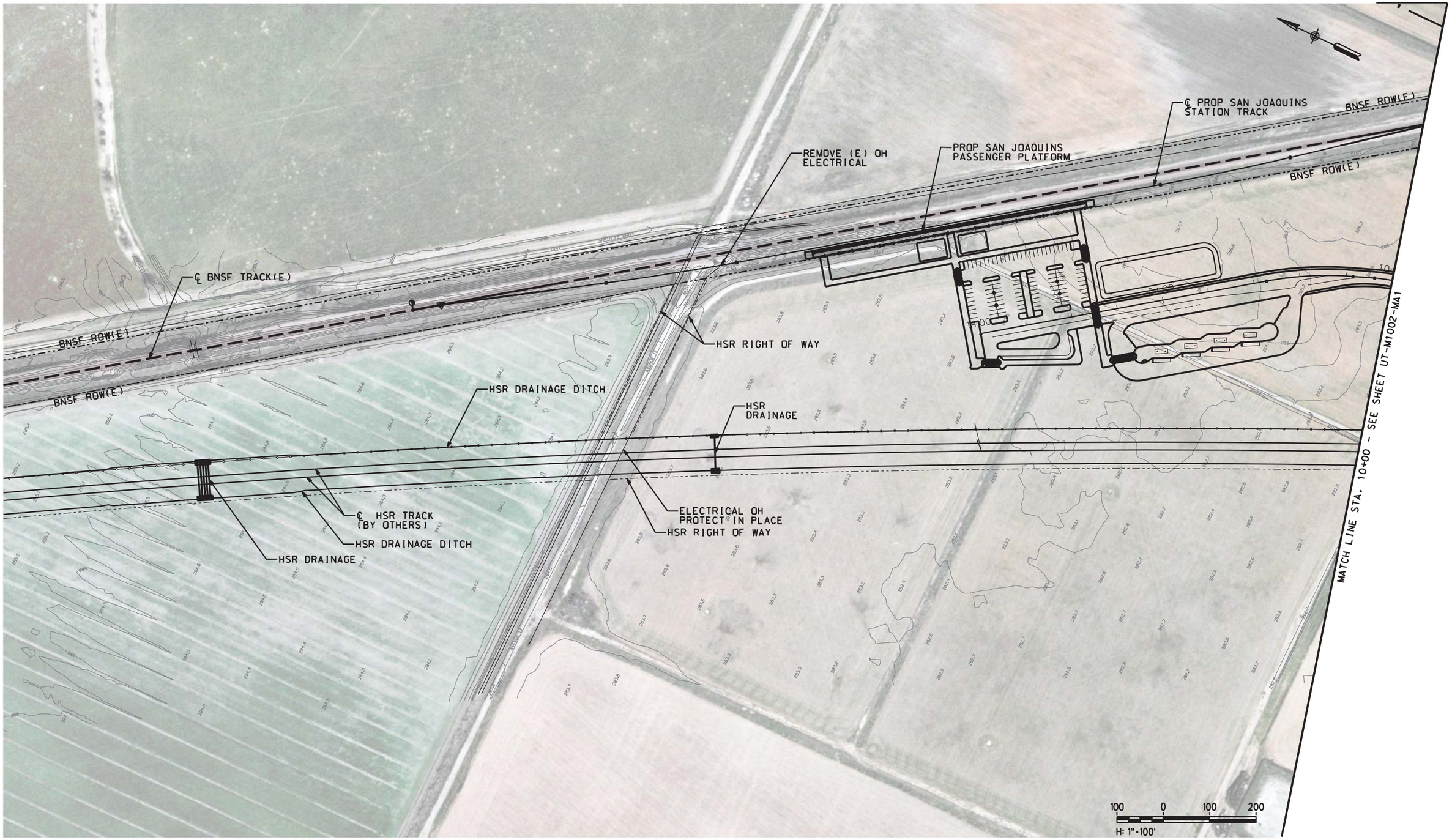

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DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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MADERA STATION RELOCATION PROJECT
PHASE 1
UTILITY PLAN
STA. 1+00 TO STA. 10+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	UT-M1001-MA1
SCALE	AS SHOWN
SHEET NO.	37 OF 71

$DGNSPEC
$TIME
$DATE
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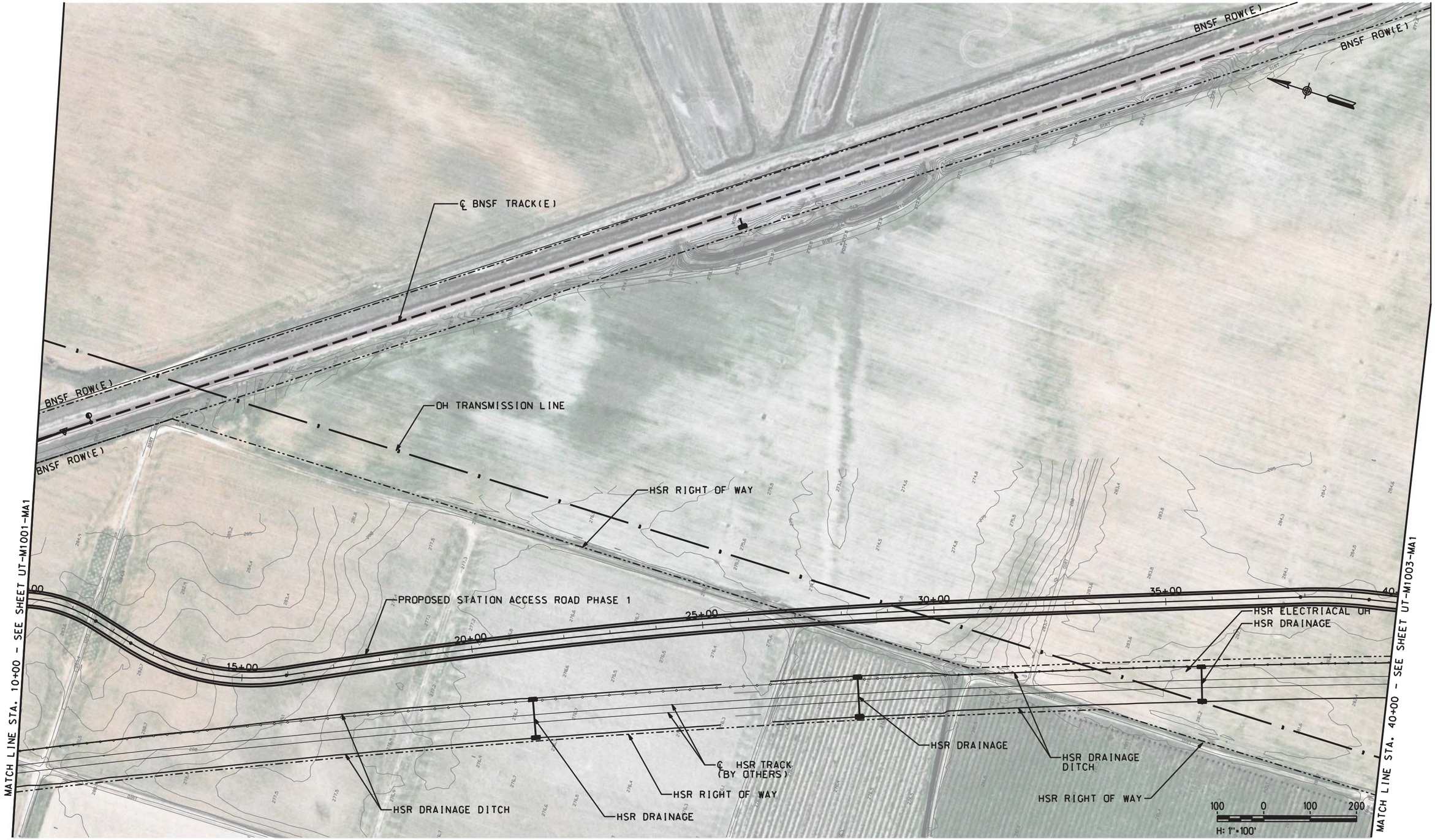

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CHECKED BY D. HARTMAN
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DATE 10-12-2020

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MADERA STATION RELOCATION PROJECT
PHASE 1
UTILITY PLAN
STA. 10+00 TO STA. 40+00

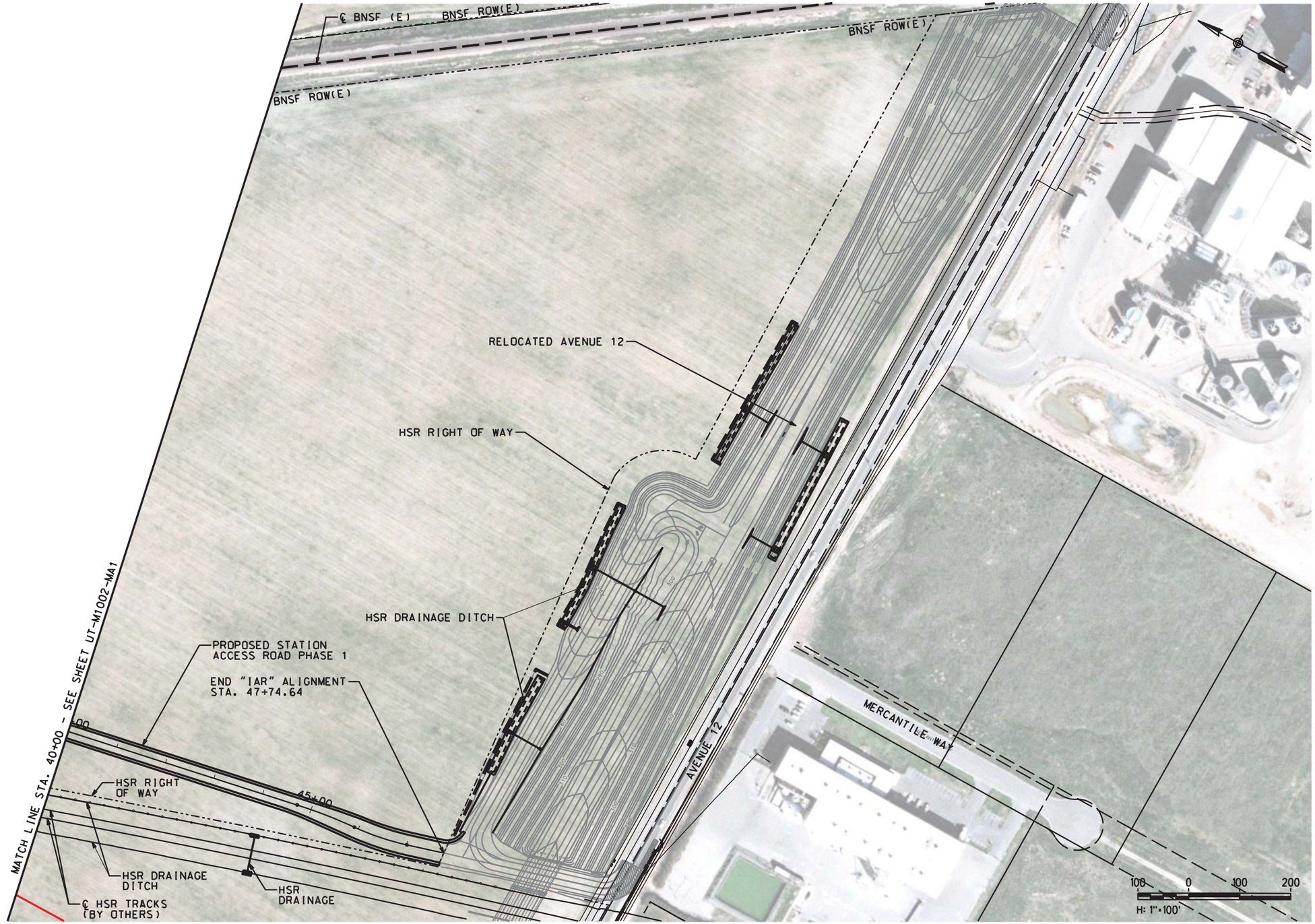
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. UT-M1002-MA1

SCALE AS SHOWN

SHEET NO. 38 OF 71

$DGNSPEC
$TIME
$DATE
$USER



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MADERA STATION RELOCATION PROJECT
PHASE 1
UTILITY PLAN
STA. 40+00 TO STA. 47+74.64

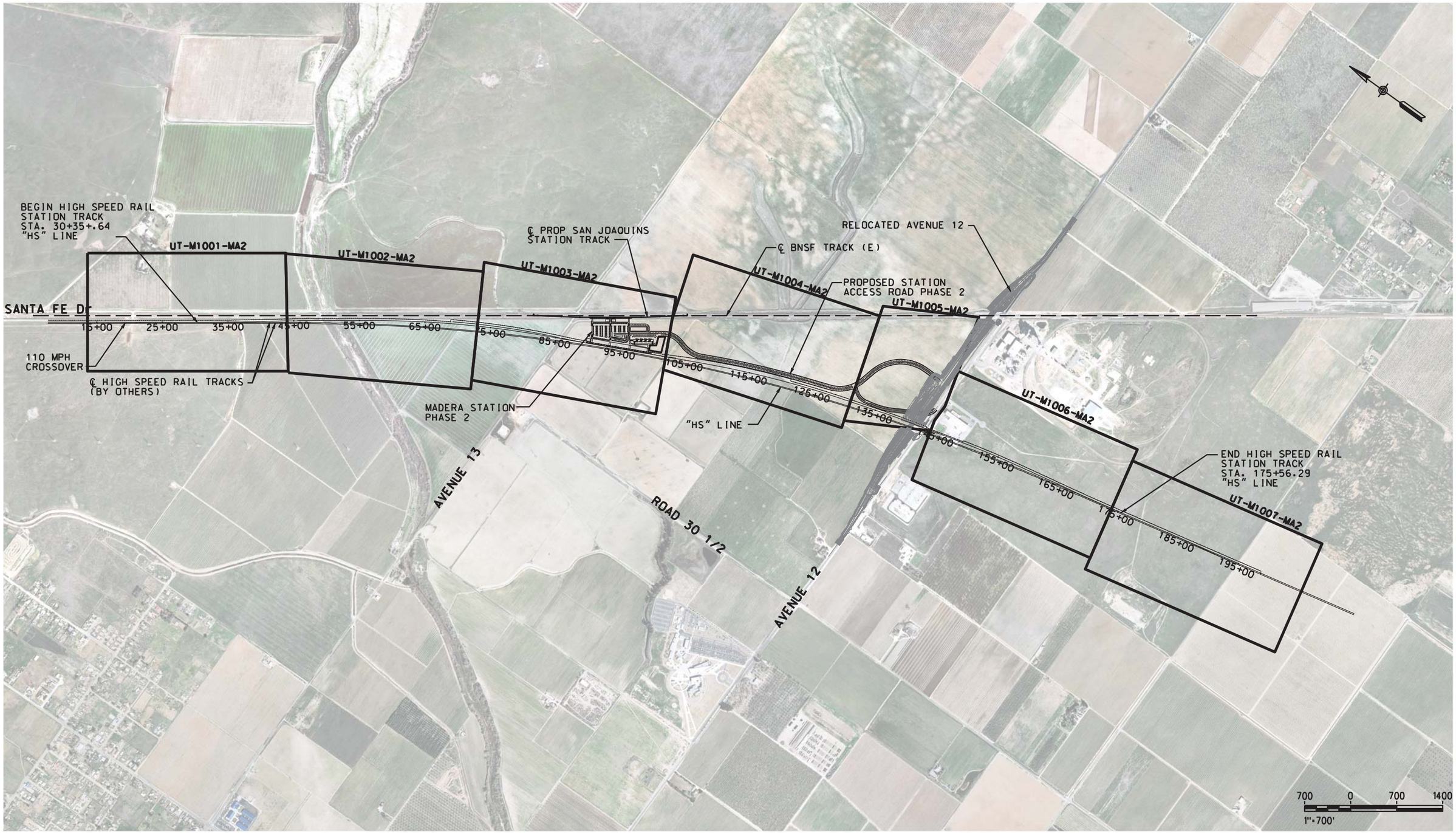
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. UT-M1003-MA1

SCALE AS SHOWN

SHEET NO. 39 OF 71

$DATE $TIME $DGNSPEC $USER



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MADERA STATION RELOCATION PROJECT PHASE 2

KEY MAP - UTILITY PLAN STA. 15+00 TO STA. 198+00

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. UT-B0001-MA2

SCALE AS SHOWN

SHEET NO. 40 OF 71

$DGNSPEC
$TIME
$DATE
$USER

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MADERA STATION RELOCATION PROJECT
PHASE 2
UTILITY PLAN
STA. 15+00 TO STA. 44+00

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. UT-M1001-MA2

SCALE AS SHOWN

SHEET NO. 41 OF 71

$USER $TIME $DGNSPEC $DATE

NOT FOR CONSTRUCTION

$DATE					
$TIME					
$DGNSPEC					
$USER					

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DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 10-12-2020

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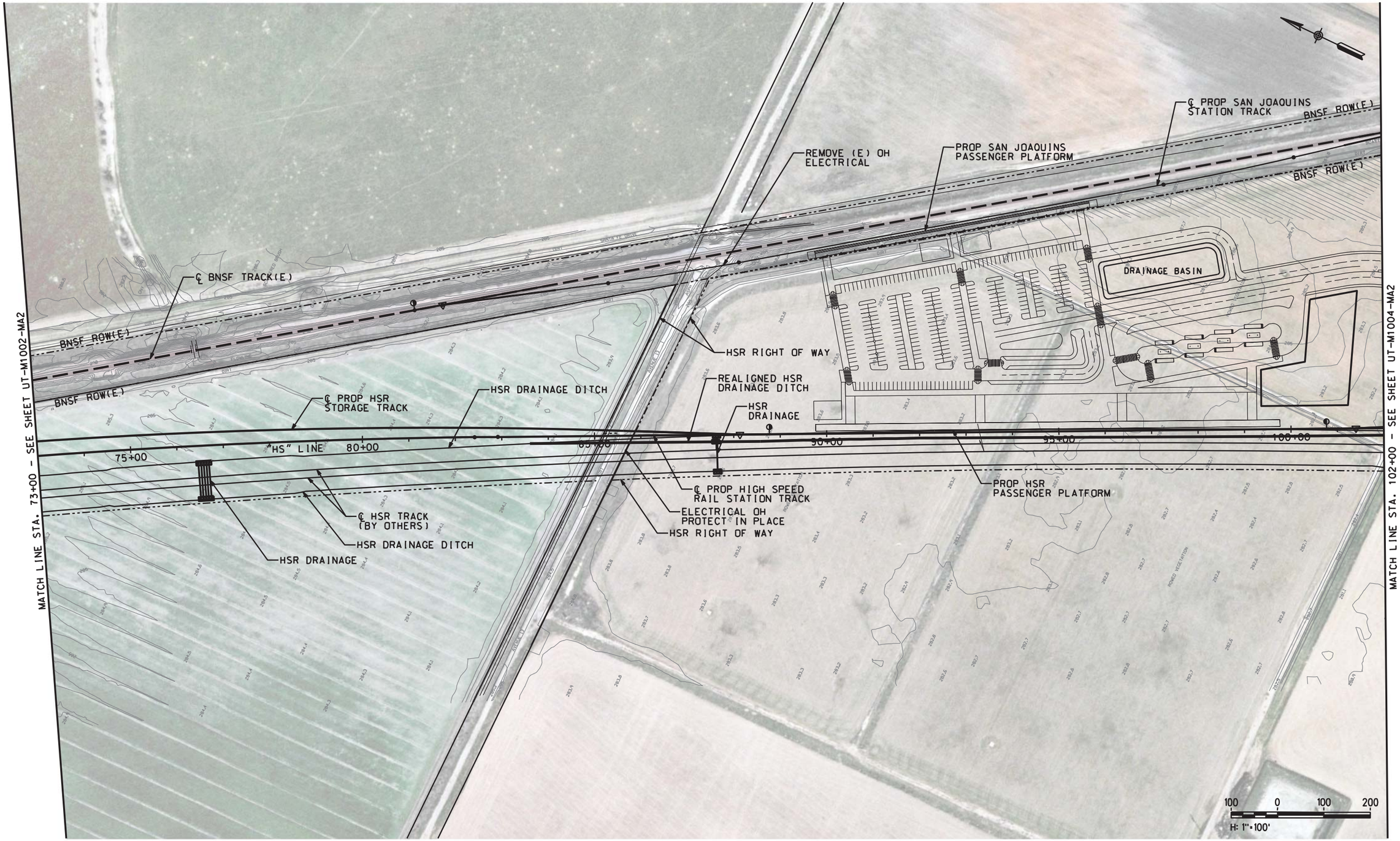
MADERA STATION RELOCATION PROJECT
PHASE 2
UTILITY PLAN
STA. 44+00 TO STA. 73+00

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. UT-M1002-MA2

SCALE AS SHOWN

SHEET NO. 42 OF 71



NOT FOR CONSTRUCTION

$DATE					
$USER					

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IN CHARGE D. COWIN
DATE 10-12-2020

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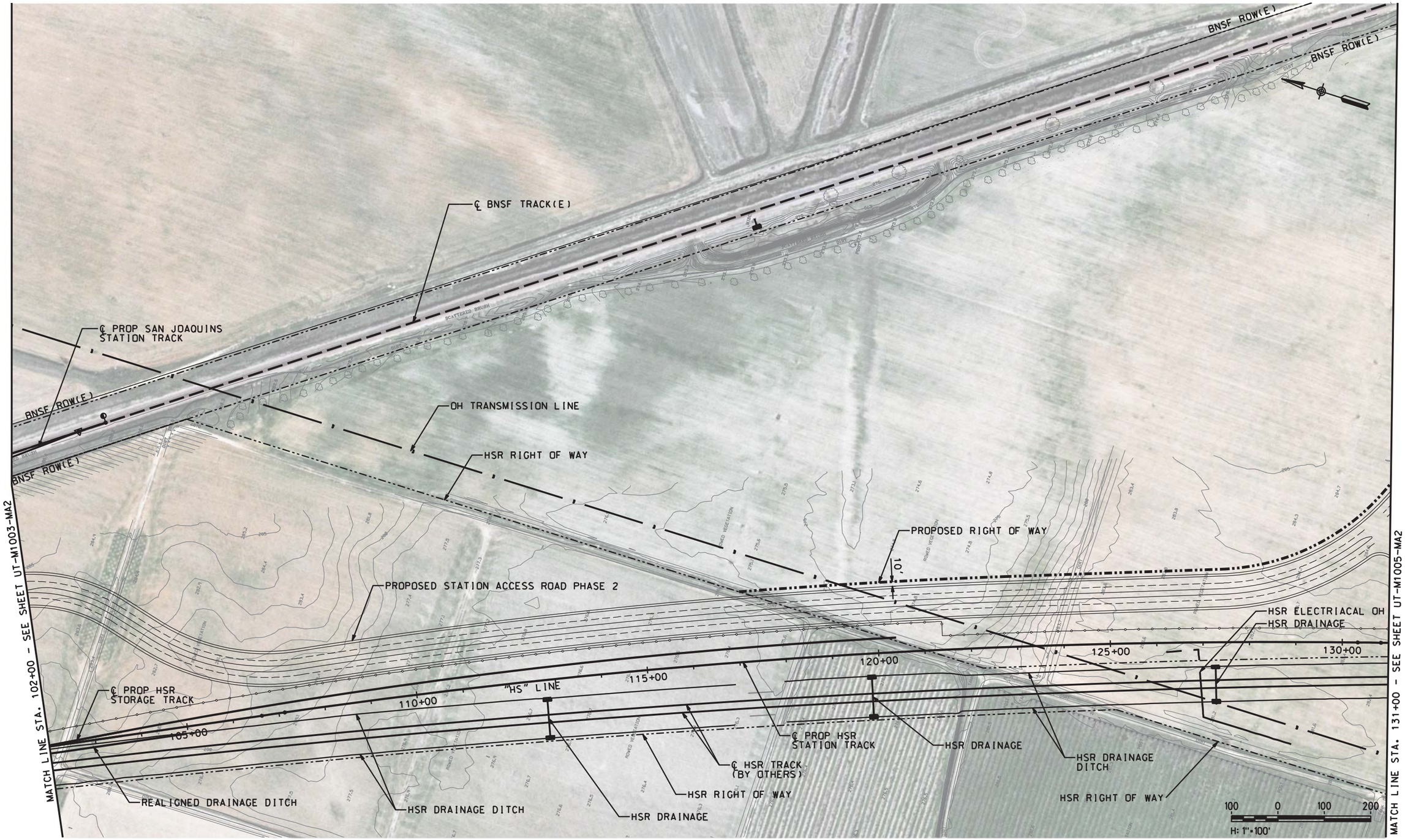
MADERA STATION RELOCATION PROJECT
PHASE 2
UTILITY PLAN
STA. 73+00 TO STA. 102+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. UT-M1003-MA2
SCALE AS SHOWN
SHEET NO. 43 OF 71

$DGNSPEC $TIME



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CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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MADERA STATION RELOCATION PROJECT

PHASE 2
UTILITY PLAN
STA. 102+00 TO STA. 131+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	UT-M1004-MA2
SCALE	AS SHOWN
SHEET NO.	44 OF 71

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$DATE
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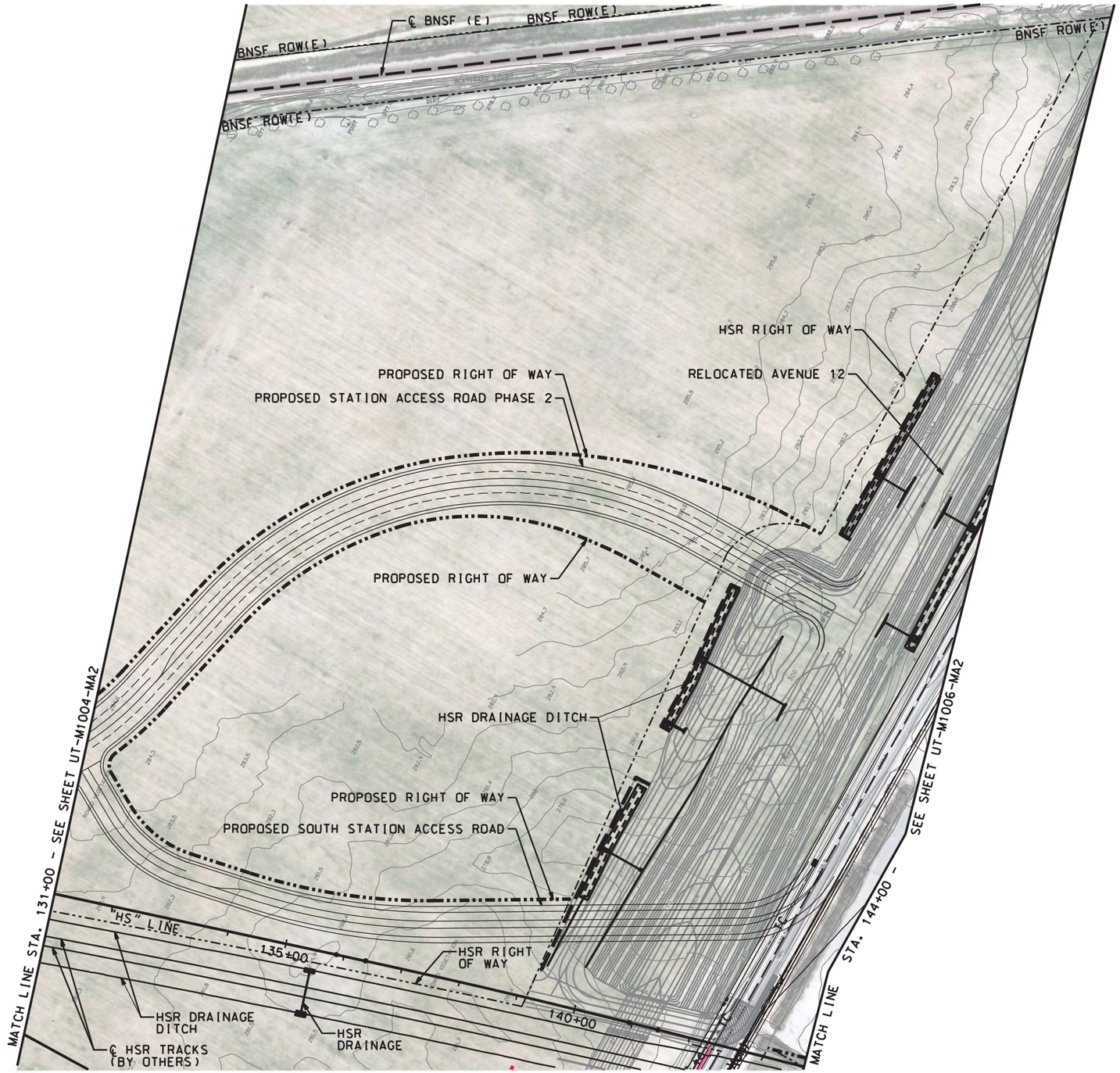

100 0 100 200
H: 1"=100'

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DRAWN BY A. SHIELDS
CHECKED BY D. HARTMAN
IN CHARGE D. COWIN
DATE 10-12-2020

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MADERA STATION RELOCATION PROJECT
PHASE 2
UTILITY PLAN
STA. 131+00 TO STA. 144+00

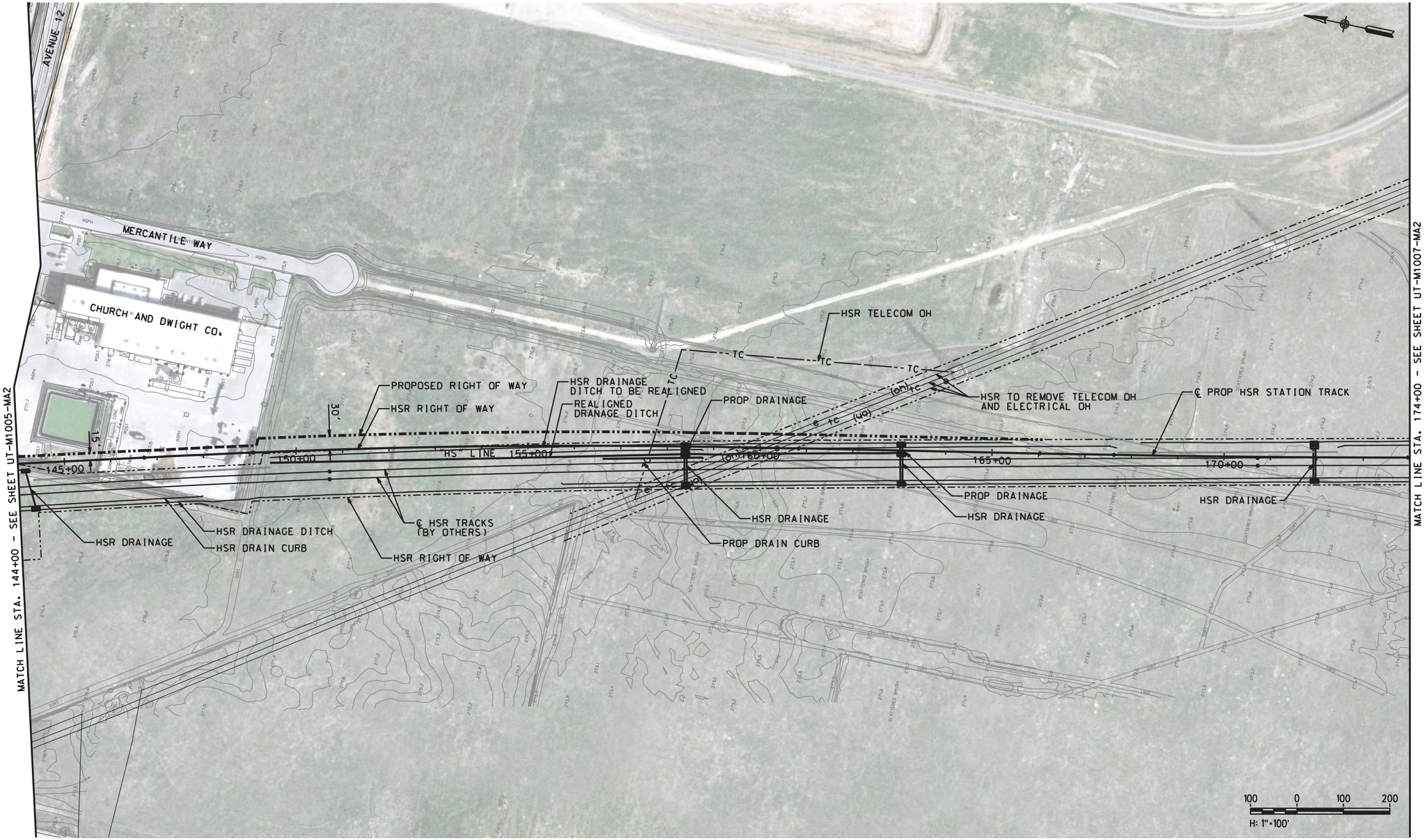
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. UT-M1005-MA2

SCALE AS SHOWN

SHEET NO. 45 OF 71

$USER $DATE $TIME $DGNSPEC



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DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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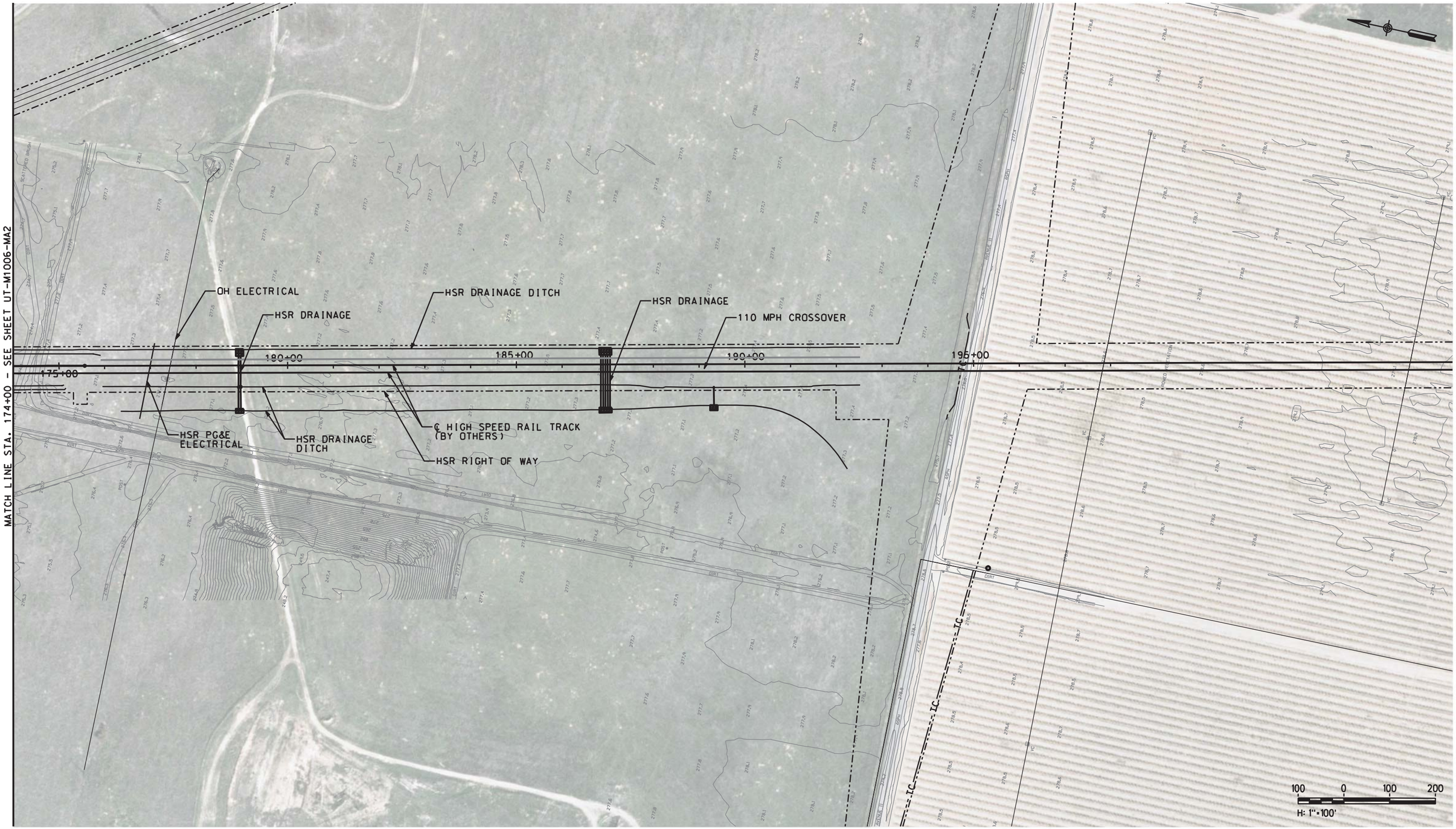
MADERA STATION RELOCATION PROJECT
PHASE 2
UTILITY PLAN
STA. 144+00 TO STA. 174+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	UT-M1006-MA2
SCALE	AS SHOWN
SHEET NO.	46 OF 71

$DGNSPEC
$TIME
$DATE
$USER

MATCH LINE STA. 174+00 - SEE SHEET UT-M1006-MA2



NOT FOR CONSTRUCTION

DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

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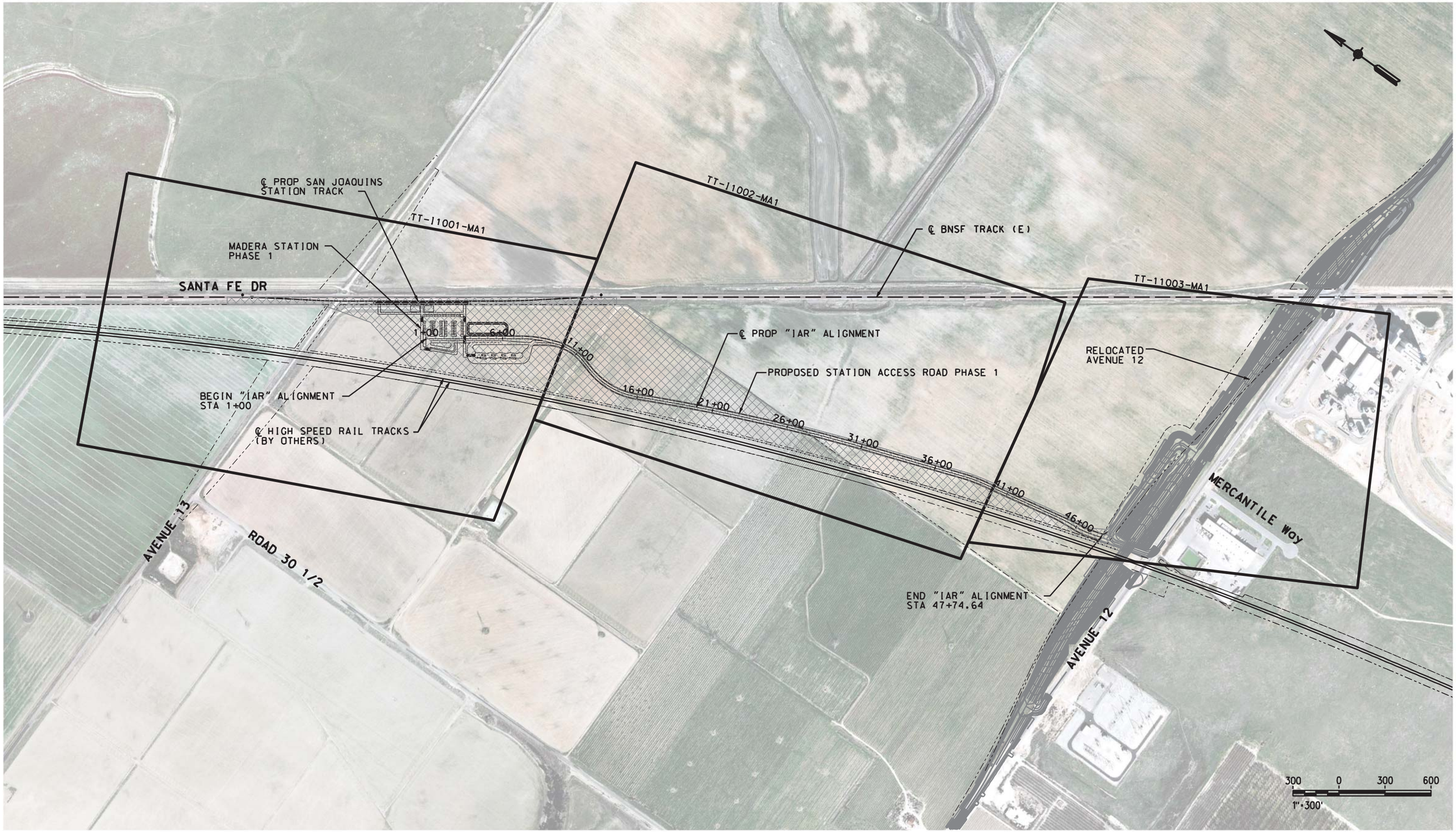
MADERA STATION RELOCATION PROJECT
PHASE 2
UTILITY PLAN
STA. 174+00 TO STA. 198+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	UT-M1007-MA2
SCALE	AS SHOWN
SHEET NO.	47 OF 71

$DGNSPEC $TIME $DATE $USER



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DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	-10-12-2020

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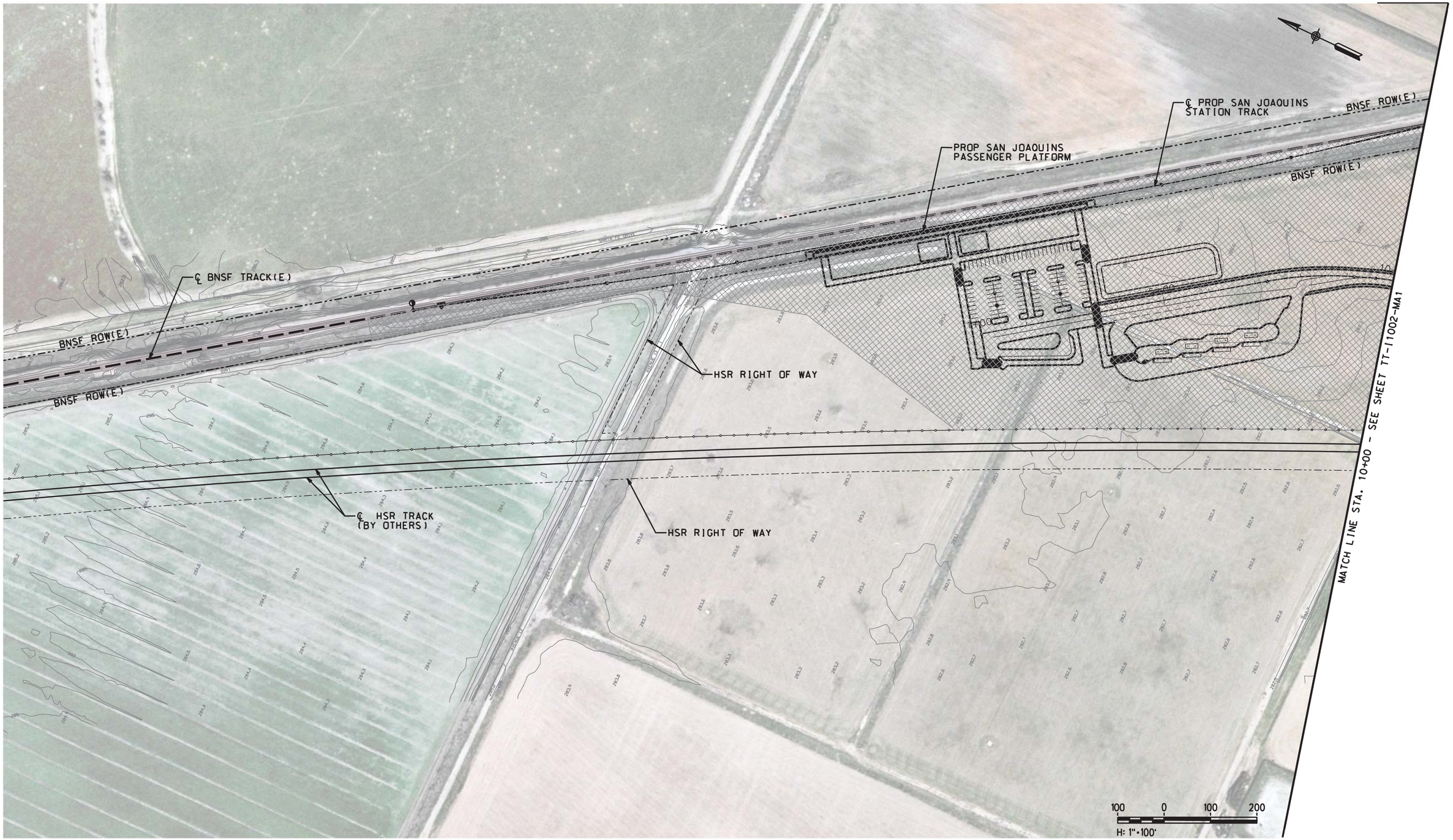
MADERA STATION RELOCATION PROJECT
PHASE 1
KEY MAP - TEMPORARY CONSTUCTION AREA
STA. 1+00 TO STA. 47+74.64

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-B0001-MA1
SCALE	AS SHOWN
SHEET NO.	48 OF 71

$DGNSPEC $TIME $DATE $USER



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$USER					

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MADERA STATION RELOCATION PROJECT
PHASE 1
TEMPORARY CONSTRUCTION AREA PLAN
STA. 1+00 TO STA. 10+00

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. TT-I1001-MA1

SCALE AS SHOWN

SHEET NO. 49 OF 71

$DGNSPEC $TIME

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MADERA STATION RELOCATION PROJECT PHASE 1

TEMPORARY CONSTRUCTION AREA PLAN STA. 10+00 TO STA. 40+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-I1002-MA1
SCALE	AS SHOWN
SHEET NO.	50 OF 71

$DGNSPEC
$TIME
$DATE
$USER

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MADERA STATION RELOCATION PROJECT PHASE 1

TEMPORARY CONSTRUCTION AREA PLAN STA. 40+00 TO STA. 47+74.64

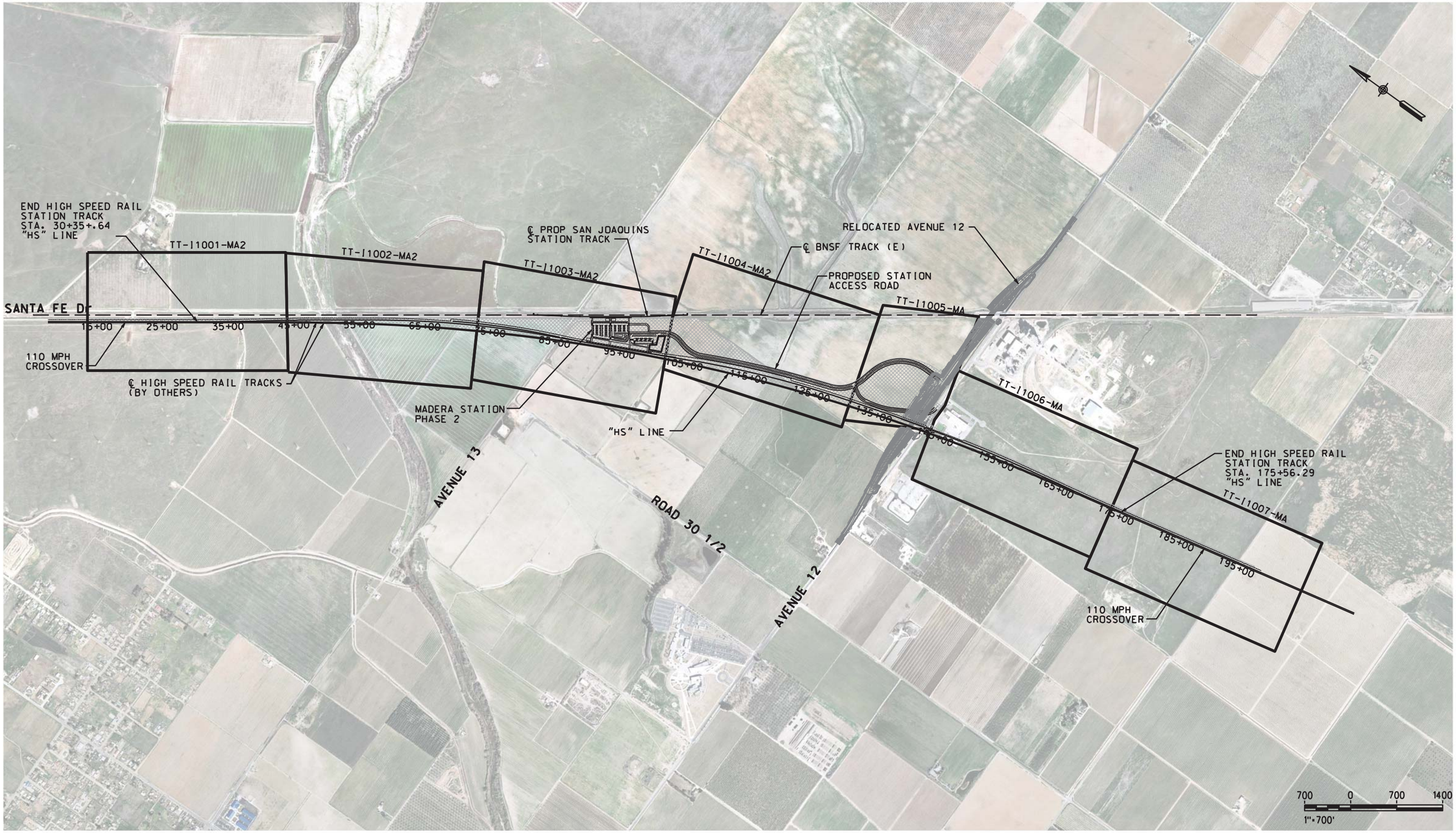
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. TT-I1003-MA1

SCALE AS SHOWN

SHEET NO. 51 OF 71

$DATE $TIME $DGNSPEC $USER



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MADERA STATION RELOCATION PROJECT PHASE 2

KEY MAP - TEMPORARY CONSTRUCTION AREA STA. 15+00 TO STA. 198+00

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. TT-B0001-MA2

SCALE AS SHOWN

SHEET NO. 52 OF 71

$DGNSPEC
$TIME
$DATE
$USER

NOT FOR CONSTRUCTION

$DATE					
$USER					

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MADERA STATION RELOCATION PROJECT
PHASE 2
TEMPORARY CONSTRUCTION AREA PLAN
STA. 15+00 TO STA. 44+00

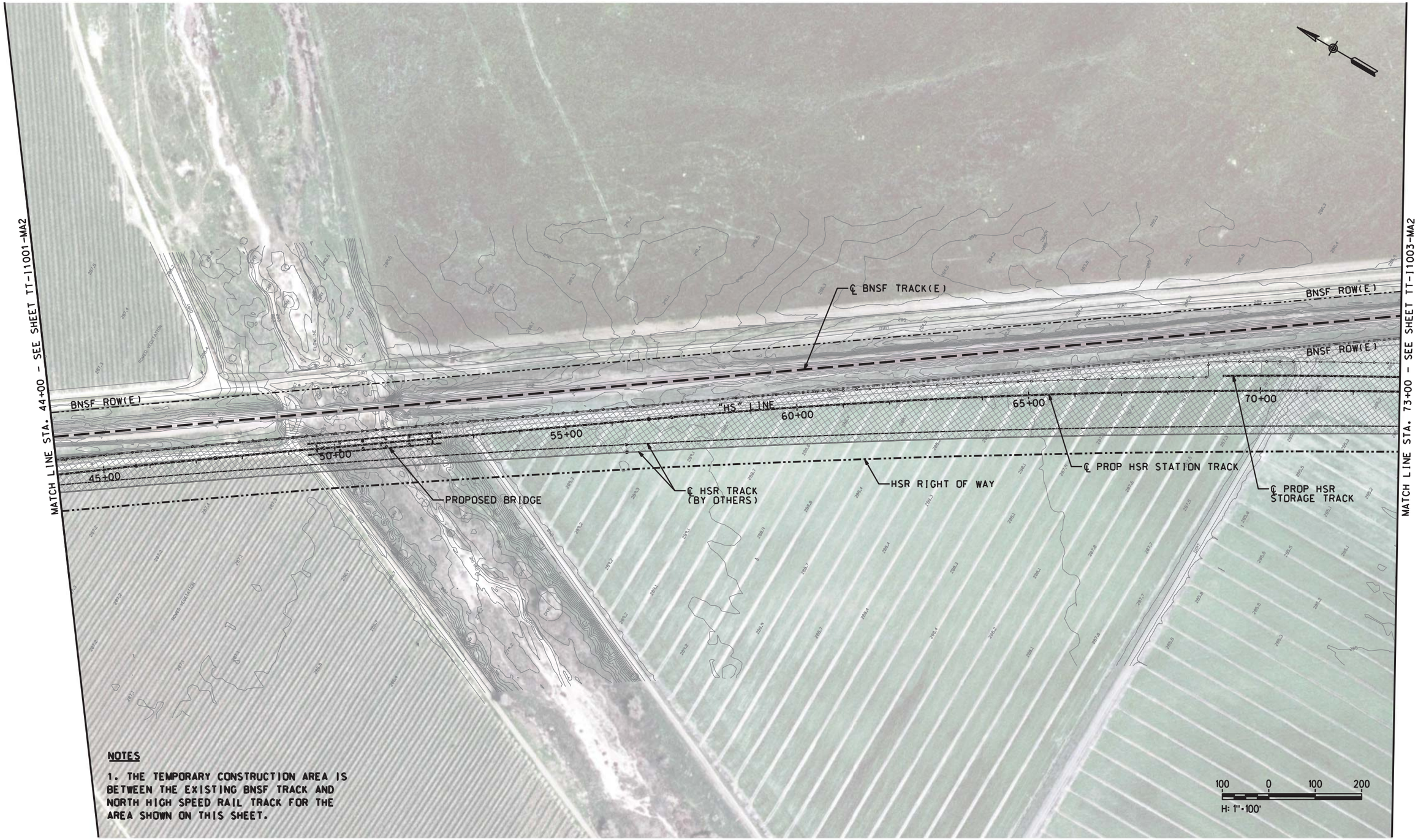
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. TT-I1001-MA2

SCALE AS SHOWN

SHEET NO. 53 OF 71

$DGNSPEC
$TIME



NOTES

1. THE TEMPORARY CONSTRUCTION AREA IS BETWEEN THE EXISTING BNSF TRACK AND NORTH HIGH SPEED RAIL TRACK FOR THE AREA SHOWN ON THIS SHEET.

NOT FOR CONSTRUCTION

$DATE $TIME $DGNSPEC $USER

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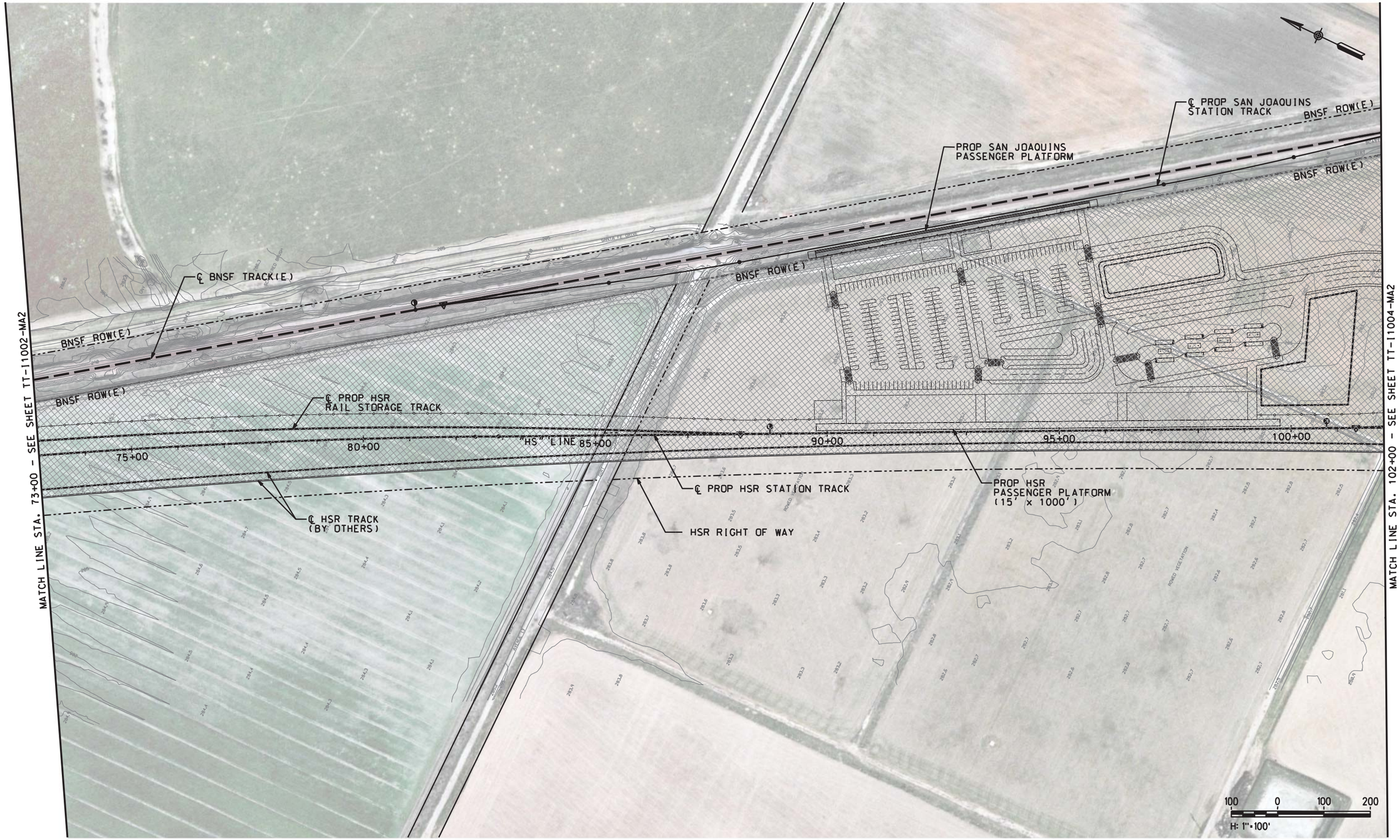
MADERA STATION RELOCATION PROJECT
PHASE 2
TEMPORARY CONSTRUCTION AREA PLAN
STA. 44+00 TO STA. 73+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-I1002-MA2
SCALE	AS SHOWN
SHEET NO.	54 OF 71



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$USER					

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MADERA STATION RELOCATION PROJECT
PHASE 2
TEMPORARY CONSTRUCTION AREA PLAN
STA. 73+00 TO STA. 102+00

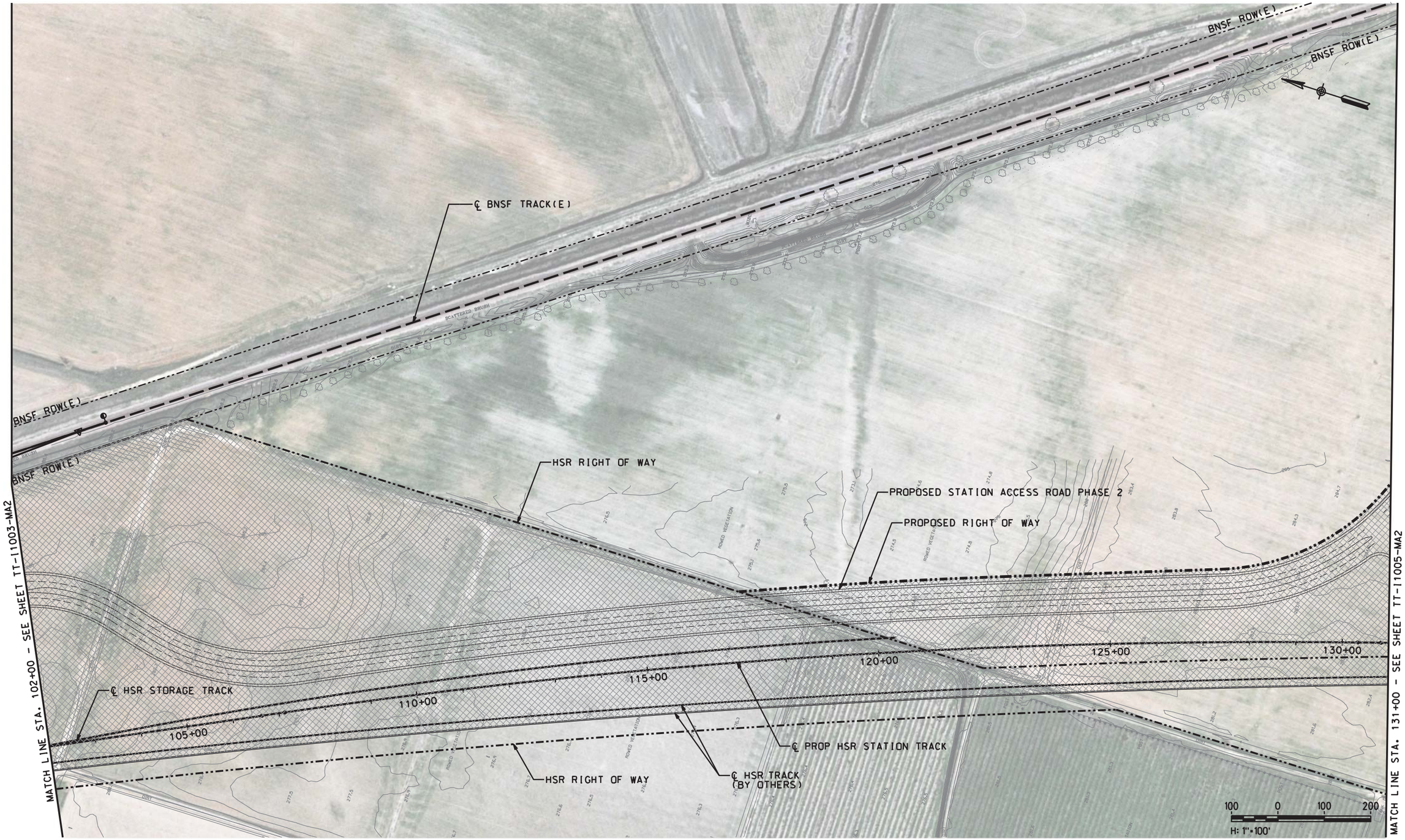
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. TT-I1003-MA2

SCALE AS SHOWN

SHEET NO. 55 OF 71

$DGNSPEC $TIME



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MADERA STATION RELOCATION PROJECT
PHASE 2
TEMPORARY CONSTRUCTION AREA PLAN
STA. 102+00 TO STA. 131+00

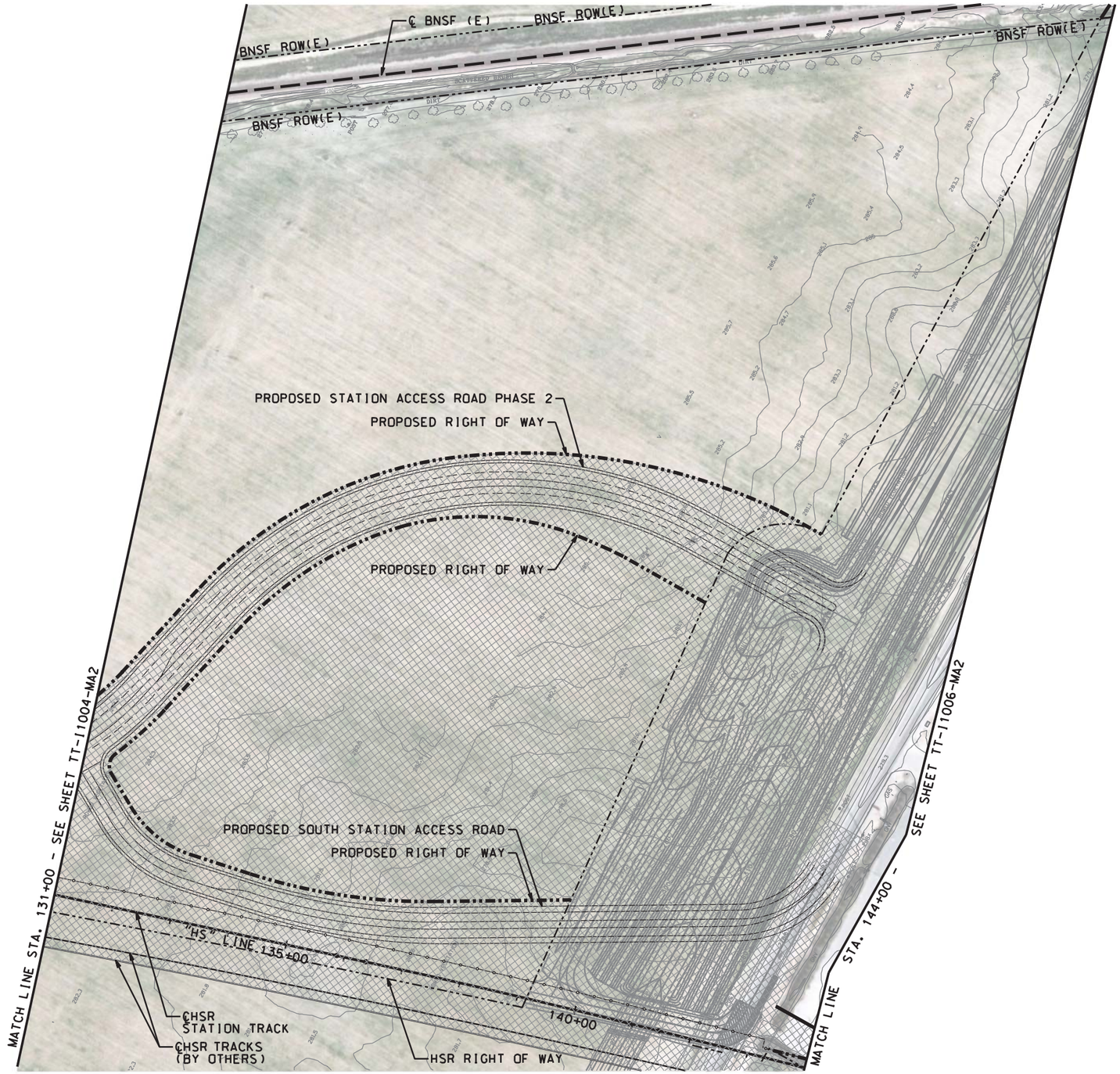
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. TT-I1004-MA2

SCALE AS SHOWN

SHEET NO. 56 OF 71

$DATE $TIME $DGNSPEC $USER



100 0 100 200
H: 1"=100'

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MADERA STATION RELOCATION PROJECT PHASE 2

TEMPORARY CONSTRUCION AREA PLAN STA. 131+00 TO STA. 144+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	TT-11005-MA2
SCALE	AS SHOWN
SHEET NO.	57 OF 71

$DGNSPEC
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$DATE
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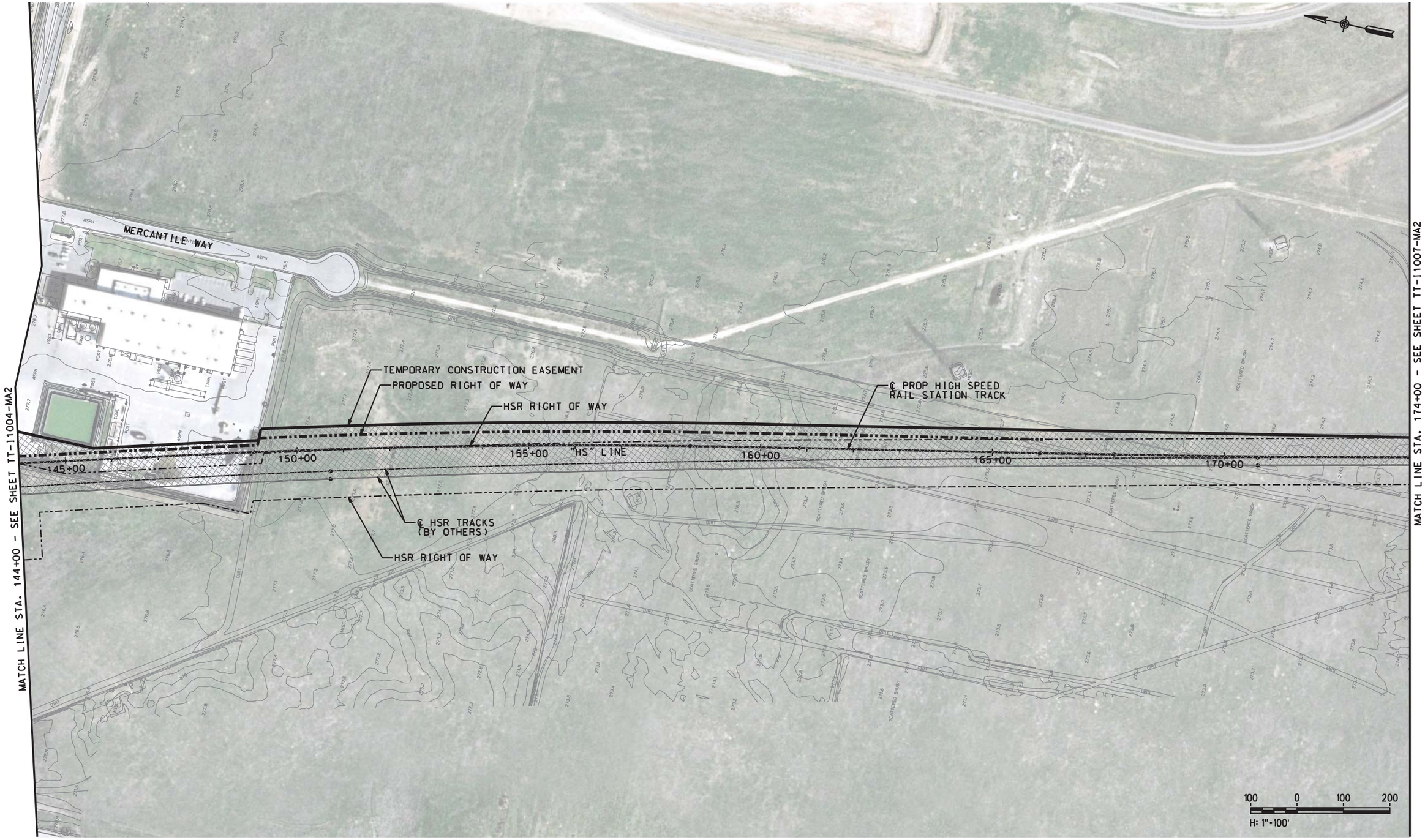

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MADERA STATION RELOCATION PROJECT PHASE 2

TEMPORARY CONSTRUCTION AREA PLAN STA. 144+00 TO STA. 174+00

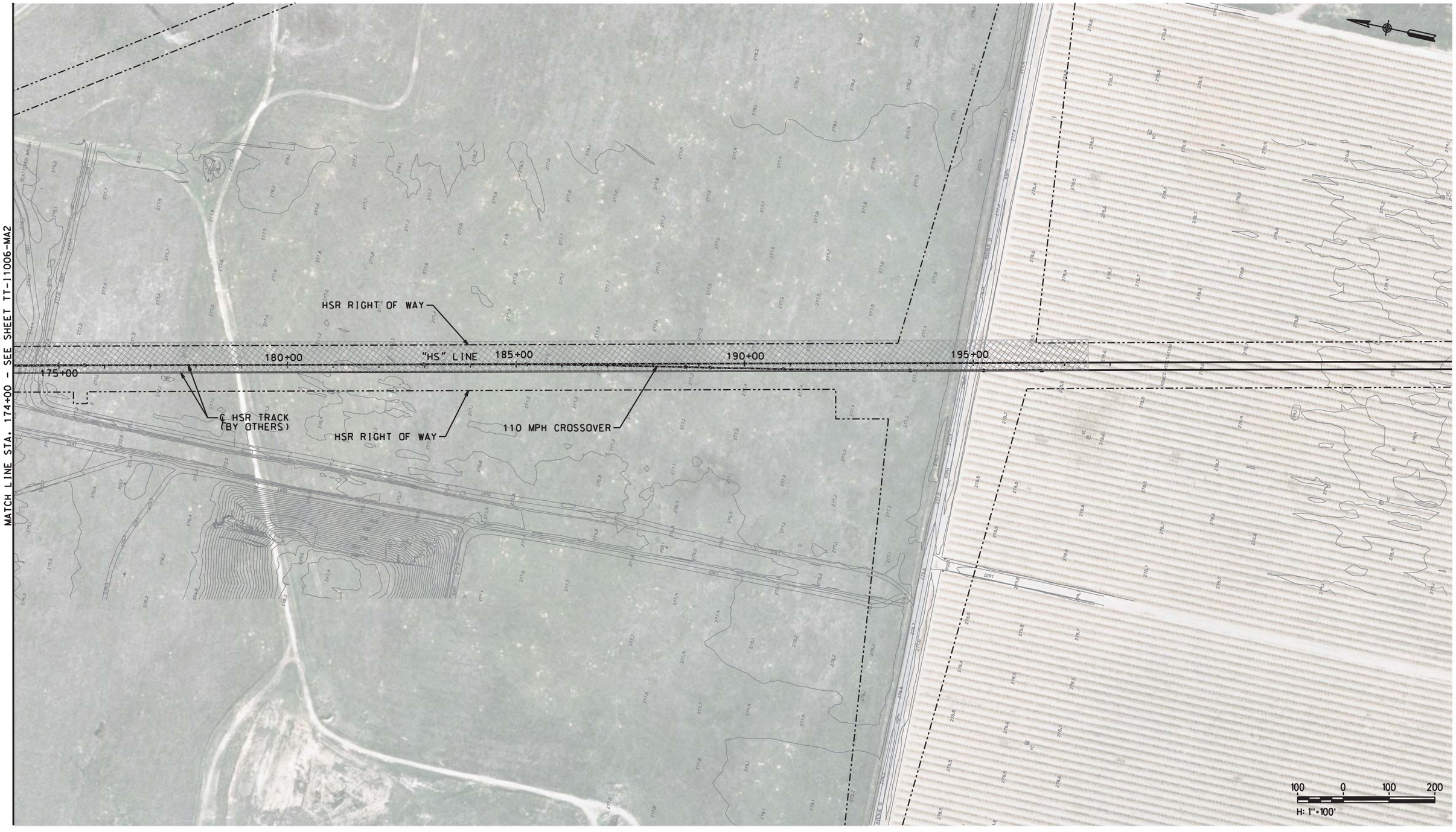
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. TT-I1006-MA2

SCALE AS SHOWN

SHEET NO. 58 OF 71

$DATE $TIME $DGNSPEC $USER



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PHASE 2
TEMPORARY CONSTRUCTION AREA PLAN
STA. 174+00 TO STA. 198+00

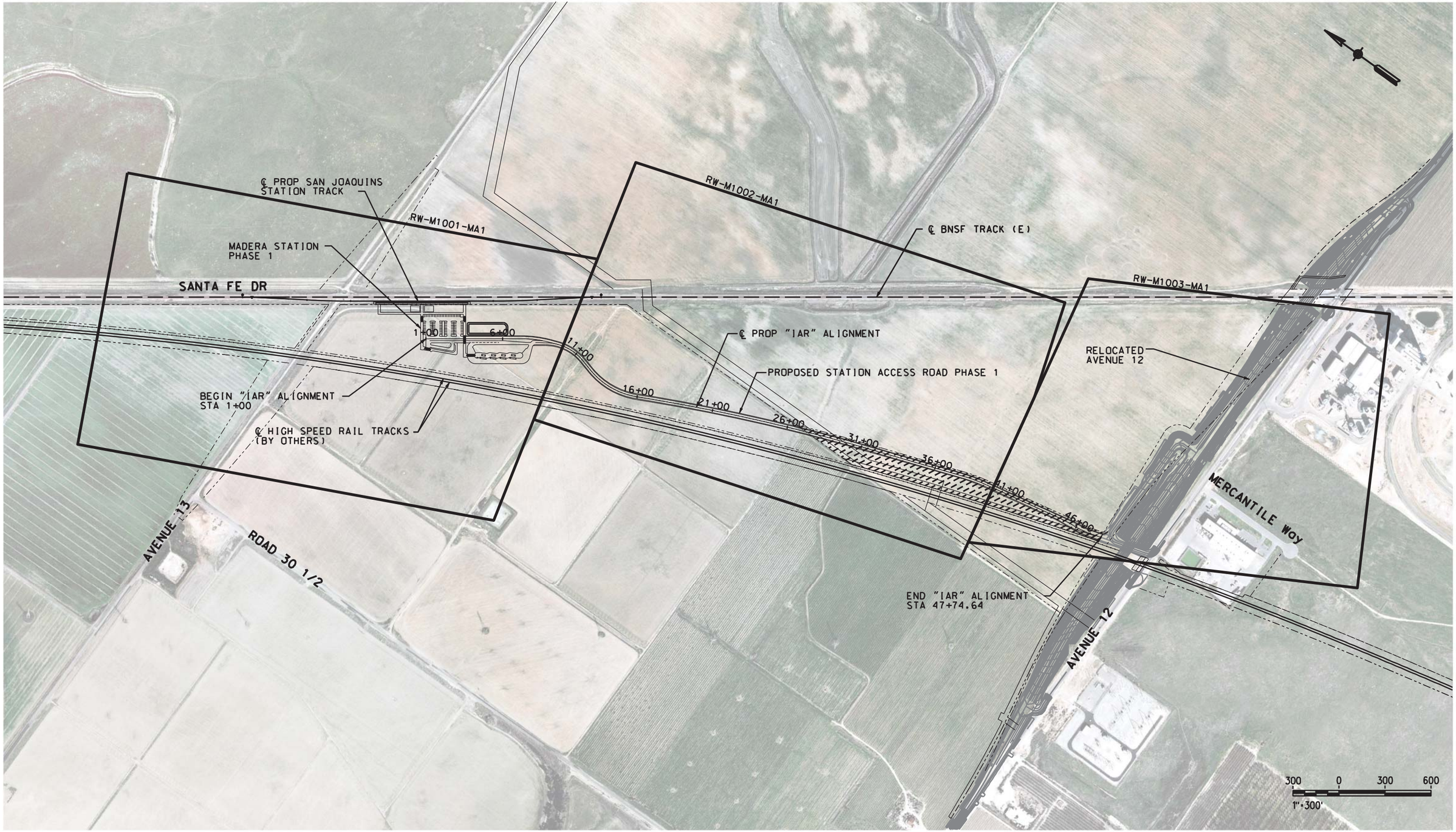
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. TT-I1007-MA2

SCALE AS SHOWN

SHEET NO. 59 OF 71

$USER $DATE $TIME $DGNSPEC



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MADERA STATION RELOCATION PROJECT PHASE 1

KEY MAP - RIGHT-OF-WAY STA. 1+00 TO STA. 47+74.64

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. RW-B1001-MA1

SCALE AS SHOWN

SHEET NO. 60 OF 71

$DGNSPEC
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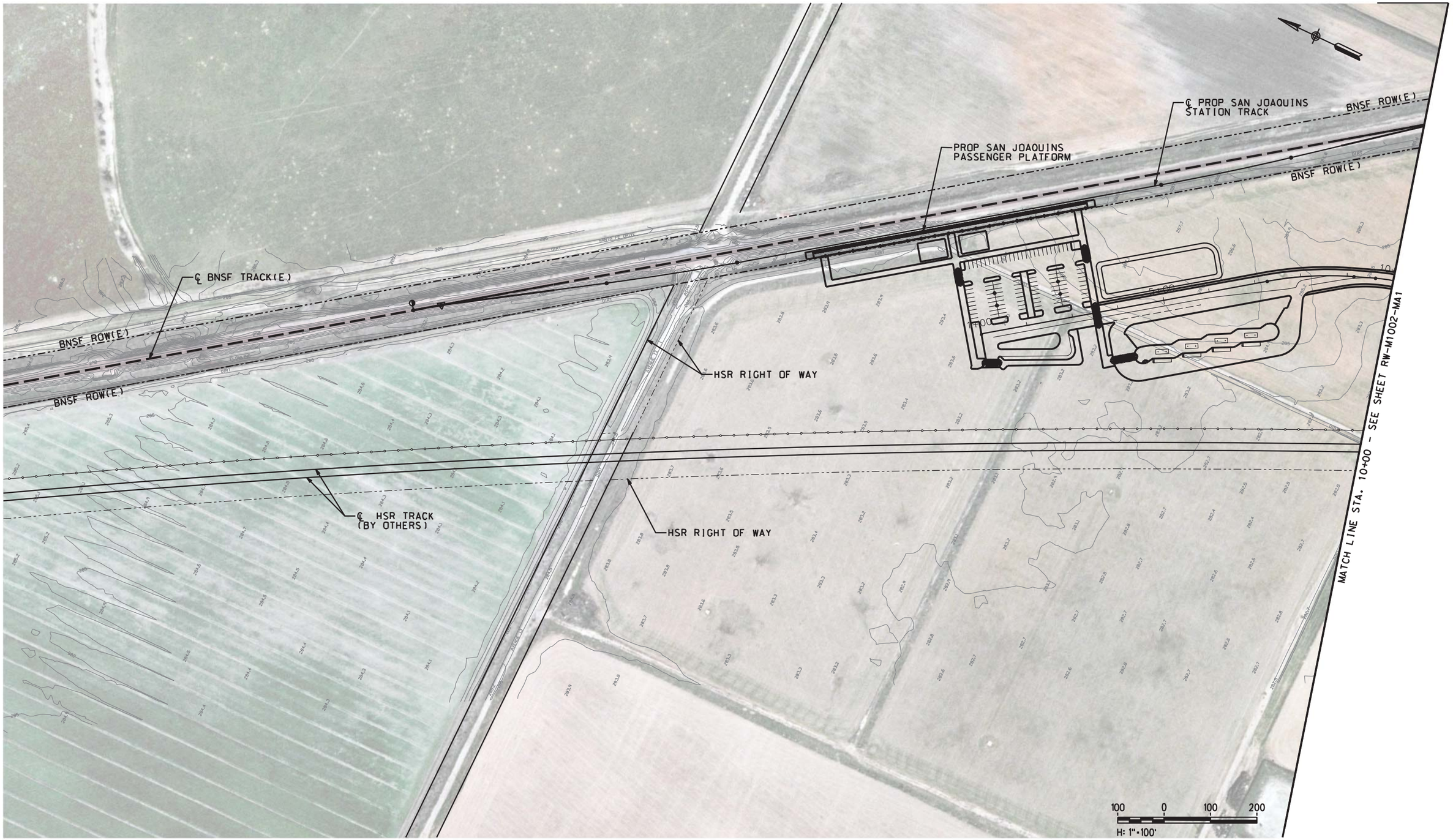
$USER



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MADERA STATION RELOCATION PROJECT
PHASE 1
RIGHT-OF-WAY PLAN
STA. 1+00 TO STA. 10+00

ENVIRONMENTAL ALTERNATIVE CODE
DRAWING NO. RW-M1001-MA1
SCALE AS SHOWN
SHEET NO. 61 OF 71

$DATE $TIME $DGNSPEC $USER

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MADERA STATION RELOCATION PROJECT
PHASE 1
RIGHT-OF-WAY PLAN
STA. 10+00 TO STA. 40+00

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. RW-M1002-MA1

SCALE AS SHOWN

SHEET NO. 62 OF 71

$DGNSPEC $TIME $DATE $USER

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MADERA STATION RELOCATION PROJECT
PHASE 1
RIGHT-OF-WAY PLAN
STA. 40+00 TO STA. 47+74.64

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	RW-M1003-MA1
SCALE	AS SHOWN
SHEET NO.	63 OF 71

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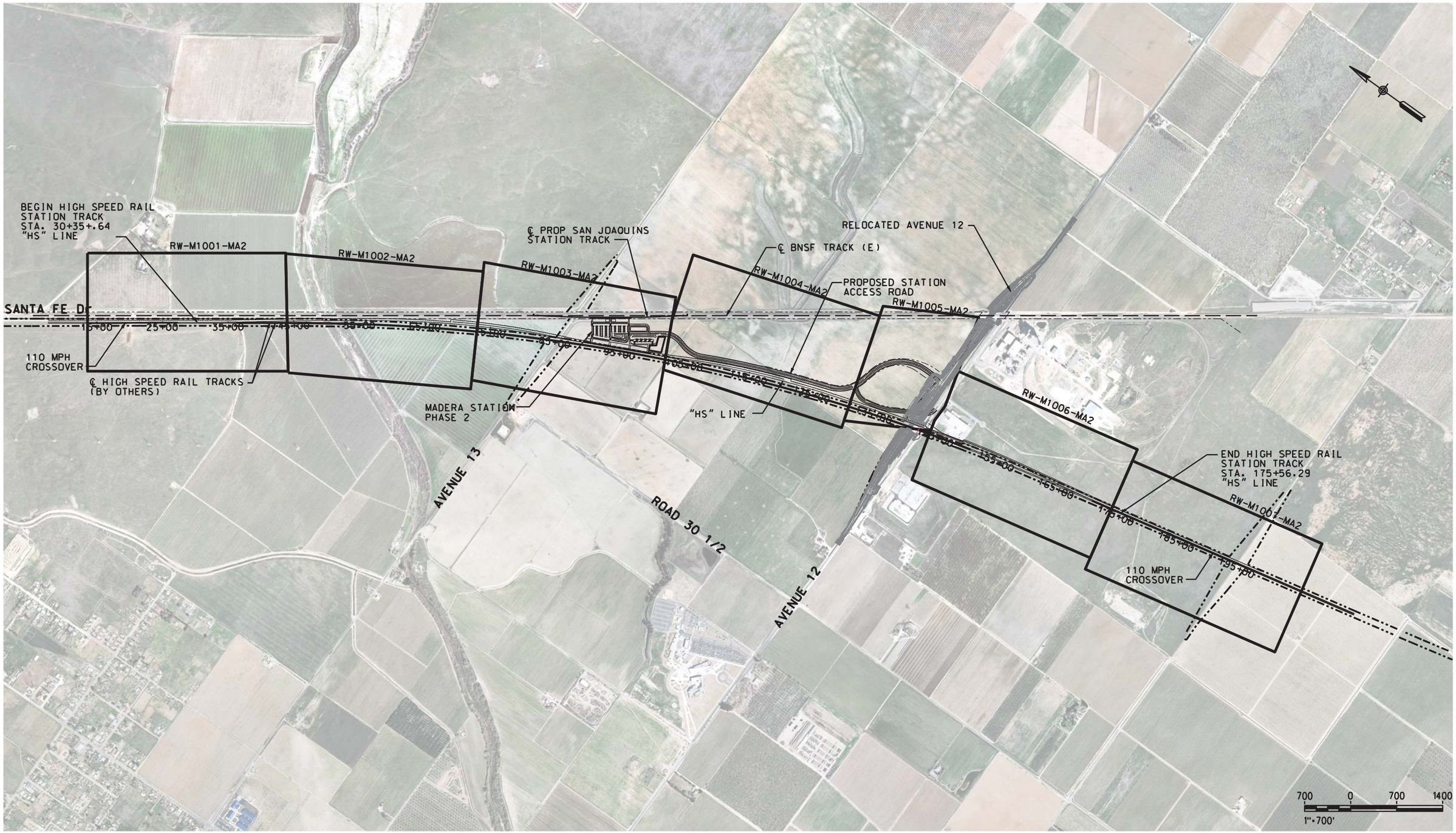

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MADERA STATION RELOCATION PROJECT PHASE 2

KEY MAP - RIGHT-OF-WAY STA. 15+00 TO STA. 198+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	RW-B1001-MA2
SCALE	AS SHOWN
SHEET NO.	64 OF 71

$DGNSPEC
$TIME
$DATE
$USER

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MADERA STATION RELOCATION PROJECT
PHASE 2
RIGHT-OF-WAY PLAN
STA. 15+00 TO STA. 44+00

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. RW-M1001-MA2

SCALE AS SHOWN

SHEET NO. 65 OF 71

$DGNSPEC
$TIME
$DATE
$USER

NOT FOR CONSTRUCTION

$DATE					
$TIME					
$DGNSPEC					
$USER					

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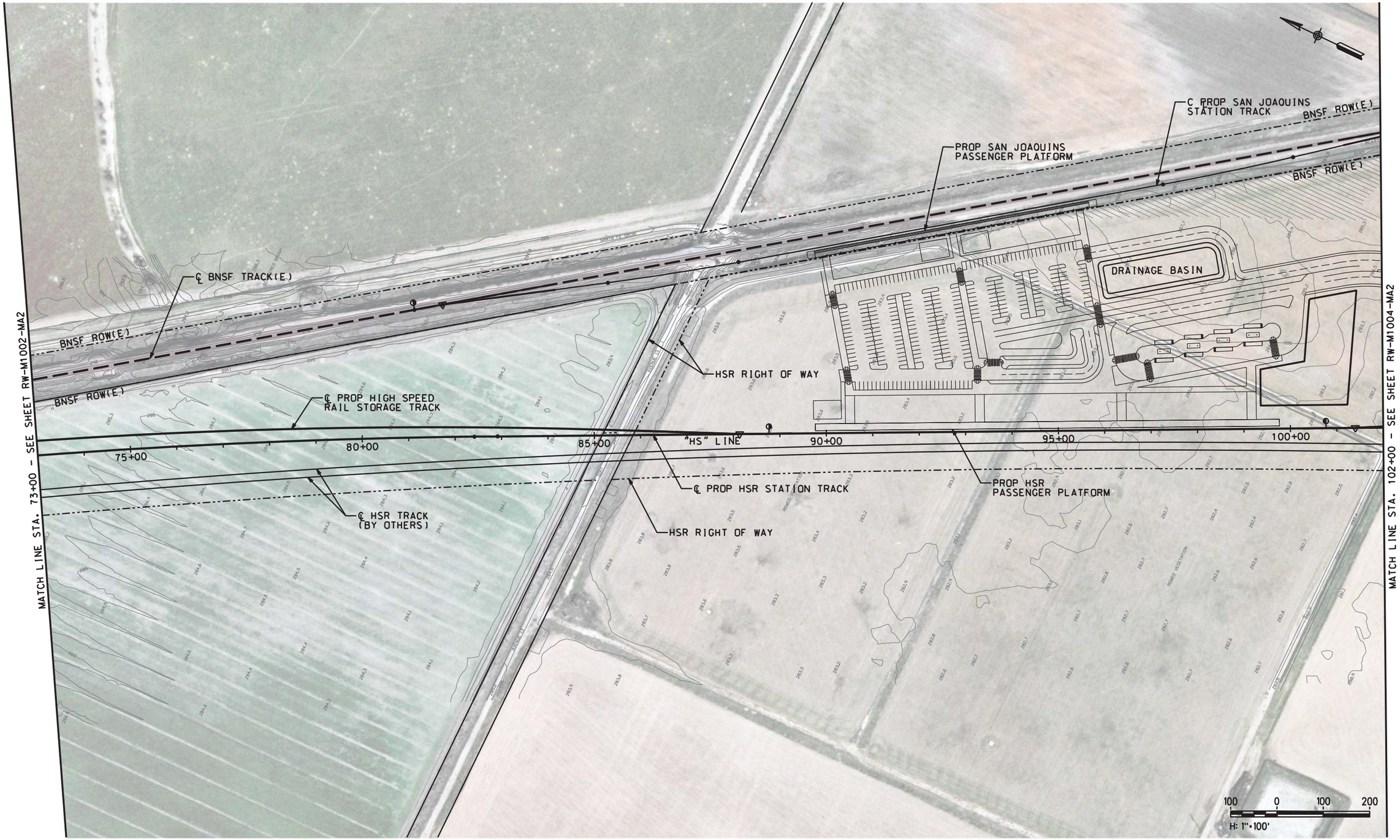
MADERA STATION RELOCATION PROJECT
PHASE 2
RIGHT-OF-WAY PLAN
STA. 44+00 TO STA. 73+00

ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. RW-M1002-MA2

SCALE AS SHOWN

SHEET NO. 66 OF 71



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MADERA STATION RELOCATION PROJECT
PHASE 2
RIGHT-OF-WAY PLAN
STA. 73+00 TO STA. 102+00

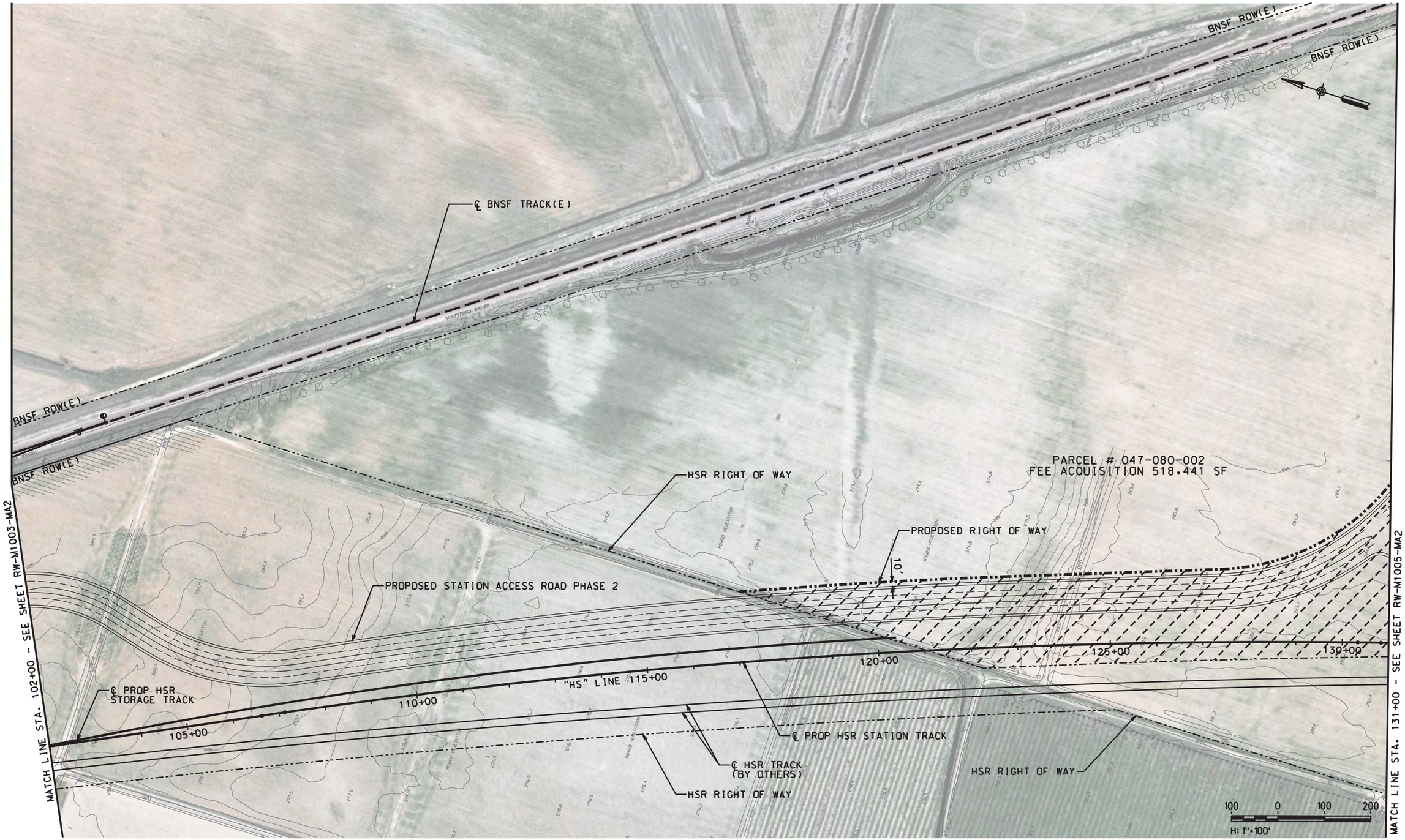
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. RW-M1003-MA2

SCALE AS SHOWN

SHEET NO. 67 OF 71

$DGNSPEC $TIME



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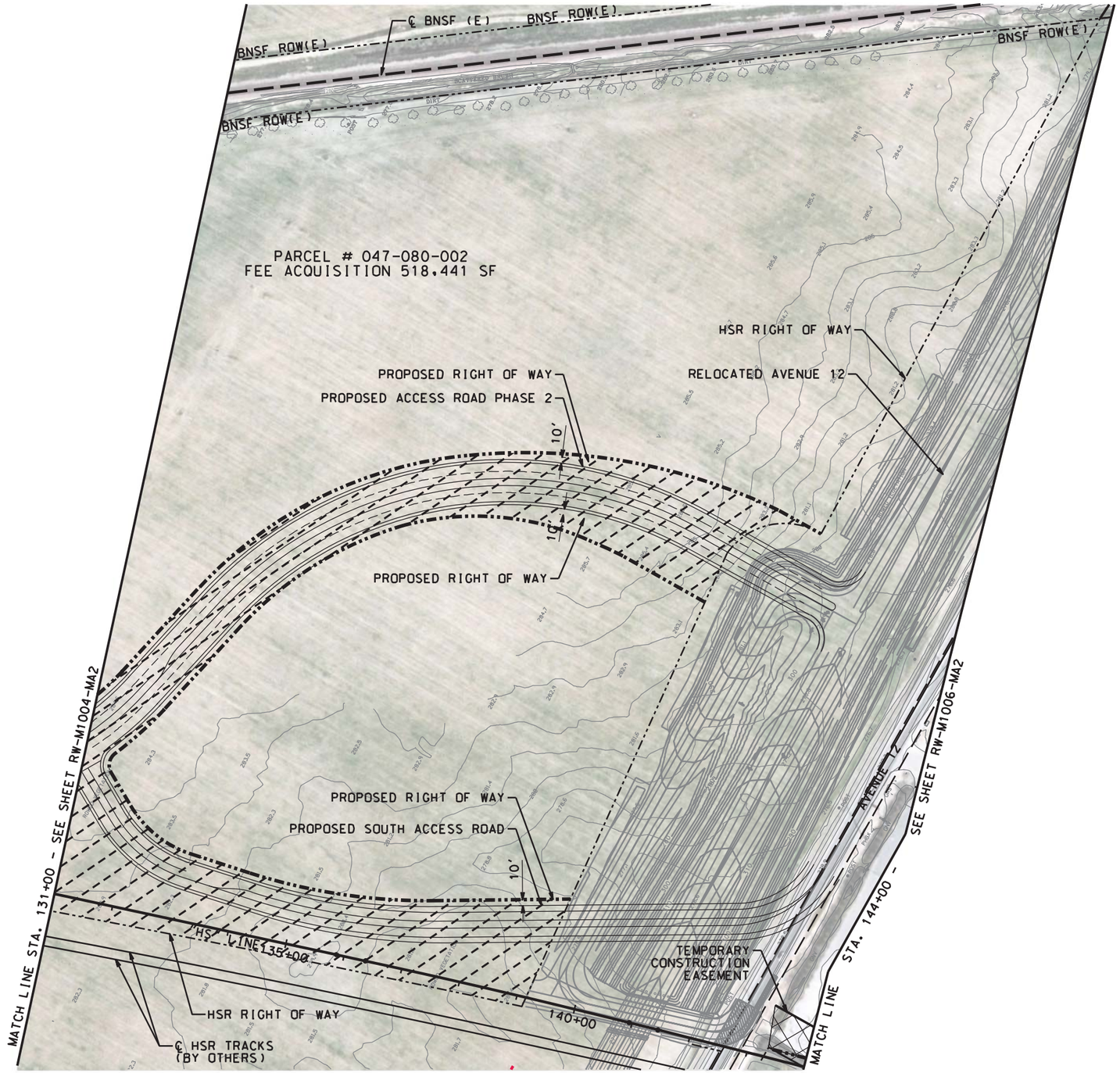
MADERA STATION RELOCATION PROJECT
PHASE 2
RIGHT-OF-WAY PLAN
STA. 102+00 TO STA. 131+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	RW-M1004-MA2
SCALE	AS SHOWN
SHEET NO.	68 OF 71

$DATE $TIME $DGNSPEC $USER



100 0 100 200
H: 1"=100'

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MADERA STATION RELOCATION PROJECT
PHASE 2
RIGHT-OF-WAY PLAN
STA. 131+00 TO STA. 144+00

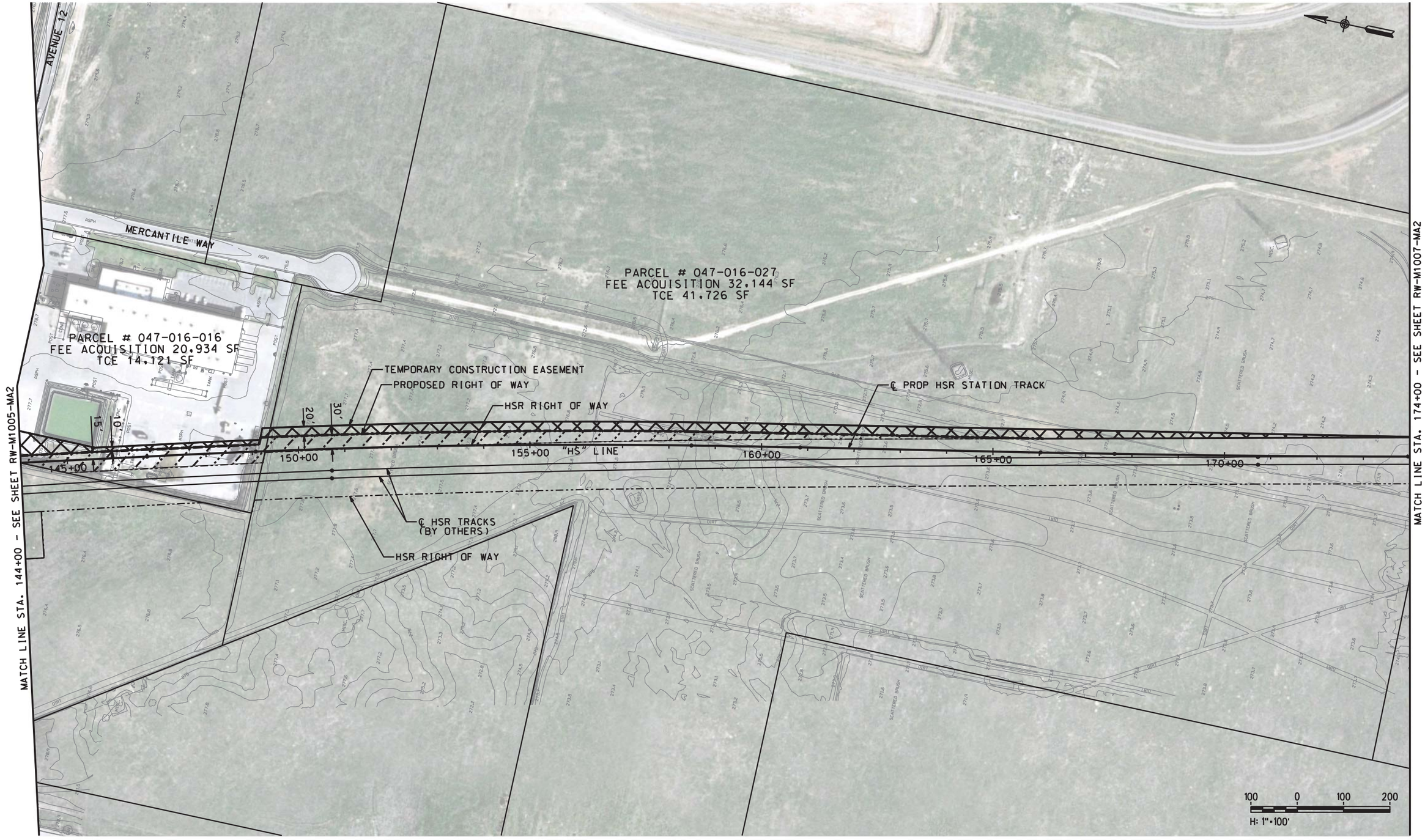
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. RW-M1005-MA2

SCALE AS SHOWN

SHEET NO. 69 OF 71

$DGNSPEC
$TIME
$DATE
$USER



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MADERA STATION RELOCATION PROJECT
PHASE 2
RIGHT-OF-WAY PLAN
STA. 144+00 TO STA. 174+00

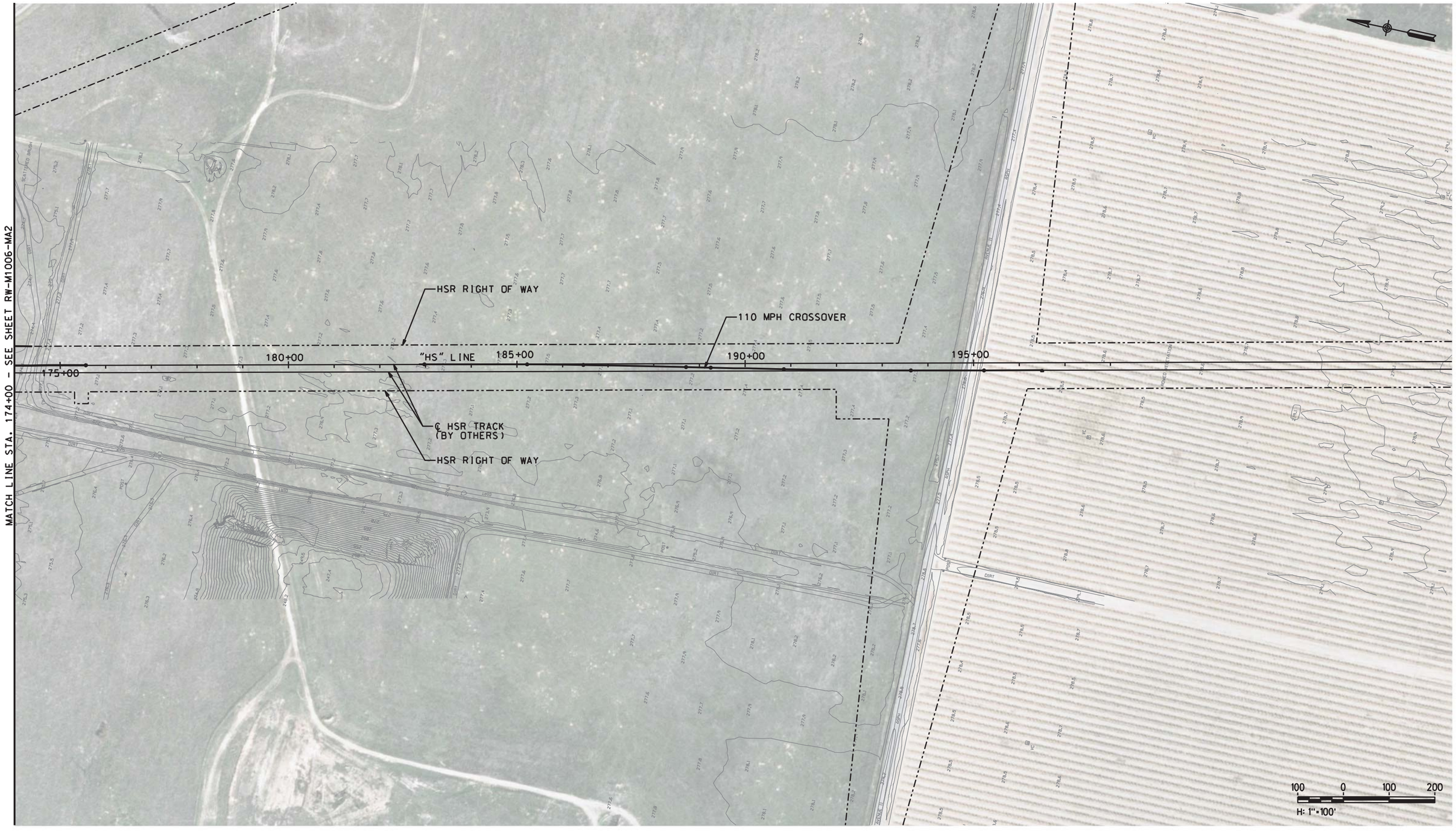
ENVIRONMENTAL ALTERNATIVE CODE

DRAWING NO. RW-M1006-MA2

SCALE AS SHOWN

SHEET NO. 70 OF 71

$USER $DATE $TIME $DGNSPEC



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$USER

DESIGNED BY	A. SHIELDS
DRAWN BY	A. SHIELDS
CHECKED BY	D. HARTMAN
IN CHARGE	D. COWIN
DATE	10-12-2020

TRANSPORTATION AECOM

AECOM USA, Inc.
300 Lakeside Drive, Suite 400
Oakland, CA 94612
T 510.893.3600

www.aecom.com

San Joaquin Joint Powers Authority

SAN JOAQUIN JOINT POWER AUTHORITY

MADERA STATION RELOCATION PROJECT
PHASE 2
RIGHT-OF-WAY PLAN
STA. 174+00 TO STA. 198+00

ENVIRONMENTAL ALTERNATIVE CODE	
DRAWING NO.	RW-M1007-MA2
SCALE	AS SHOWN
SHEET NO.	71 OF 71