THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

INDEX OF SHEETS

CIVIL PLANS

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SHEETS GC-09-2	PLAN VIEW WITH DETAILS

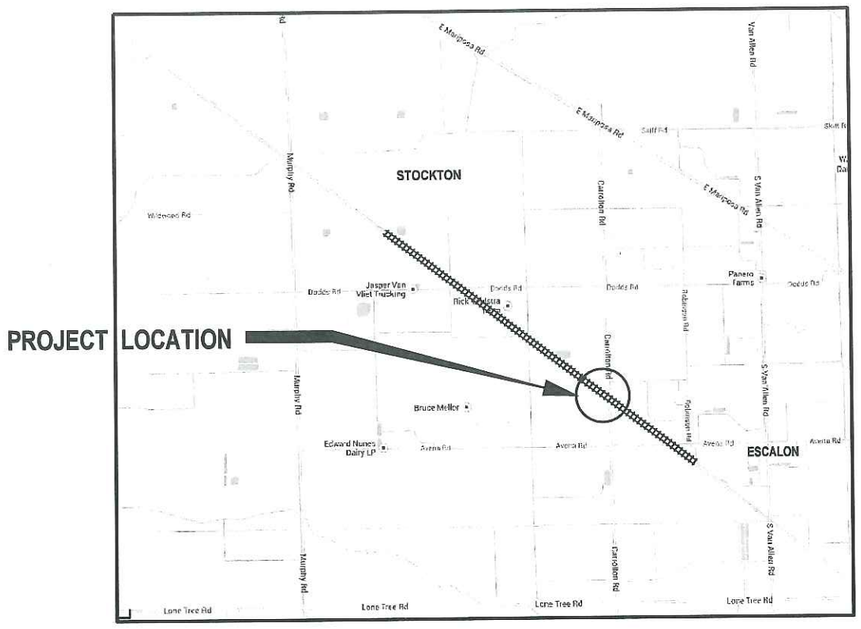
CROSS SECTIONS

SHEETS GC-09-3-GC-03-6 CROSS SECTIONS

BNSF RAILWAY

CARROLTON ROAD CROSSING

Div. Northern California Sub. Div. Stockton Line Seg. 7200

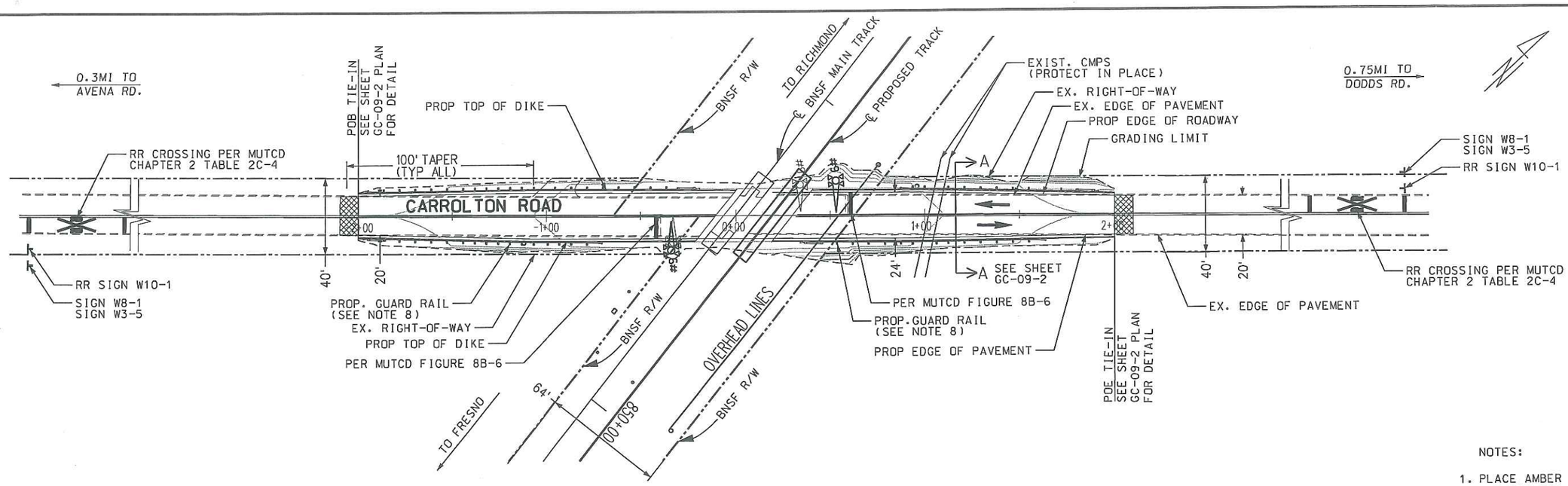


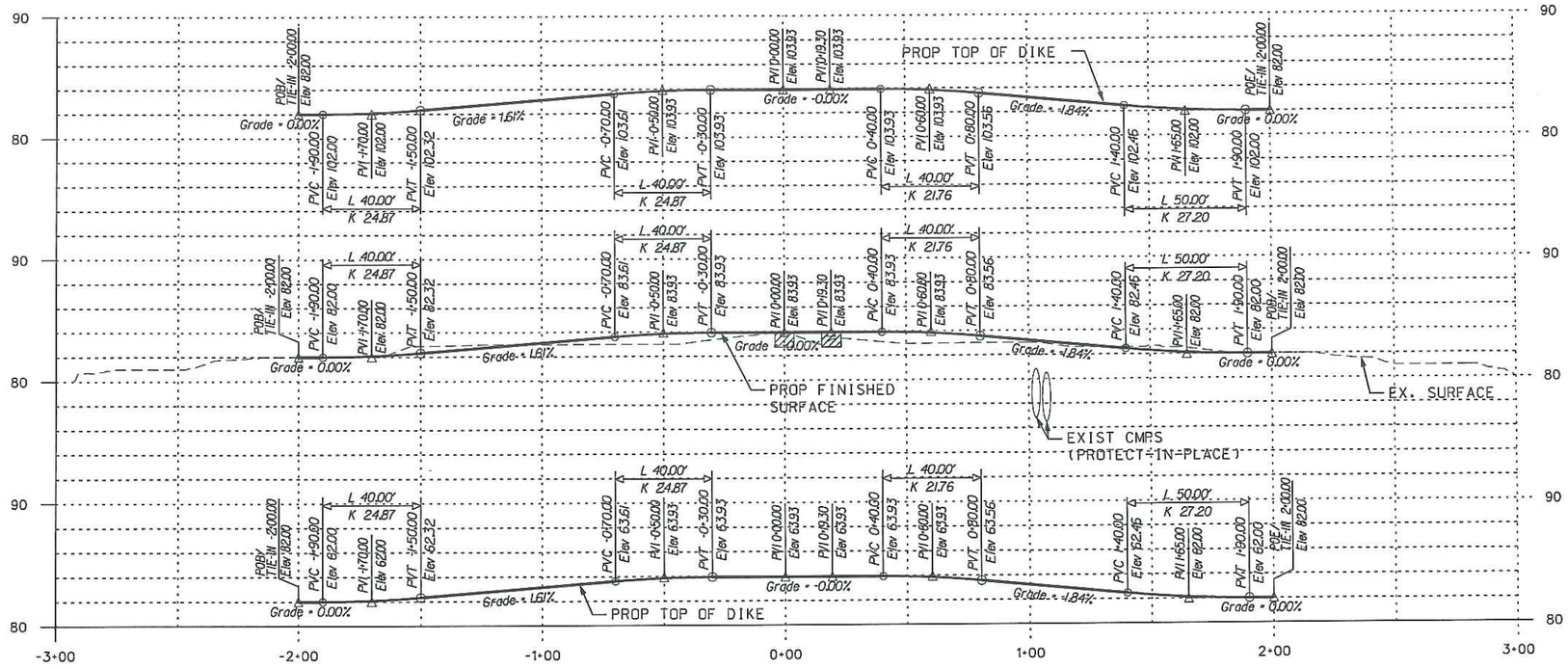
VICINITY MAP

SAN JOAQUIN COUNTY CALIFORNIA

PHASE 1

WILSON & COMPANY





NOTES:

1. PLACE AMBER REFLECTORIZED PAVEMENT MARKERS FOR 100' ALONG EACH APPROACH AT 20' INTERVALS PLACE AT CENTER LINE OF ROAD; NO PAVEMENT MARKERS WITHIN 10' OF NEAREST TRACK.
2. PLACE DOUBLE YELLOW LANE LINE AT CENTER LINE OF ROAD 200' ON EACH ROADWAY APPROACH.
3. ROADWAY TO BE A.C. OVERLAYED PER COUNTY SPECIFICATIONS.
4. REPLACE AND RELOCATE STOP PER MUTCD. SAND BLAST EXISTING STOP BAR.
5. PAINT "RXR" MARKINGS 550' FROM STOP BAR PER MUTCD FIGURE 8B-7 (CA) PLACE W10-1 ADVANCE WARNING SIGNS PLACE W8-1(BUMP SIGN)& W3-5 (30MPH SIGN) TO BE MOUNTED ON SINGLE POST.
6. DESIGN SPEED THROUGH THE CROSSING IS 35MPH AND THE ADVISORY SPEED IS 5MPH LESS THAN THE DESIGN SPEED.
7. PLACE TYPE A ASPHALT DIKE PER CAL TRANS STANDARD A87B.
8. PLACE GUARD RAIL PER CAL TRANS STANDARD A77P1, A77N3 DETAIL B.

CARROLTON ROAD

HORIZONTAL SCALE 1" = 30'

VERTICAL SCALE 1" = 6'

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JACOBS No. 63769 CIVIL STATE OF CALIFORNIA

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
CARROLTON ROAD
CPUC NO. 2-1107.10 DOT NO. 028-788-N

FILE: GC-09-1.dgn

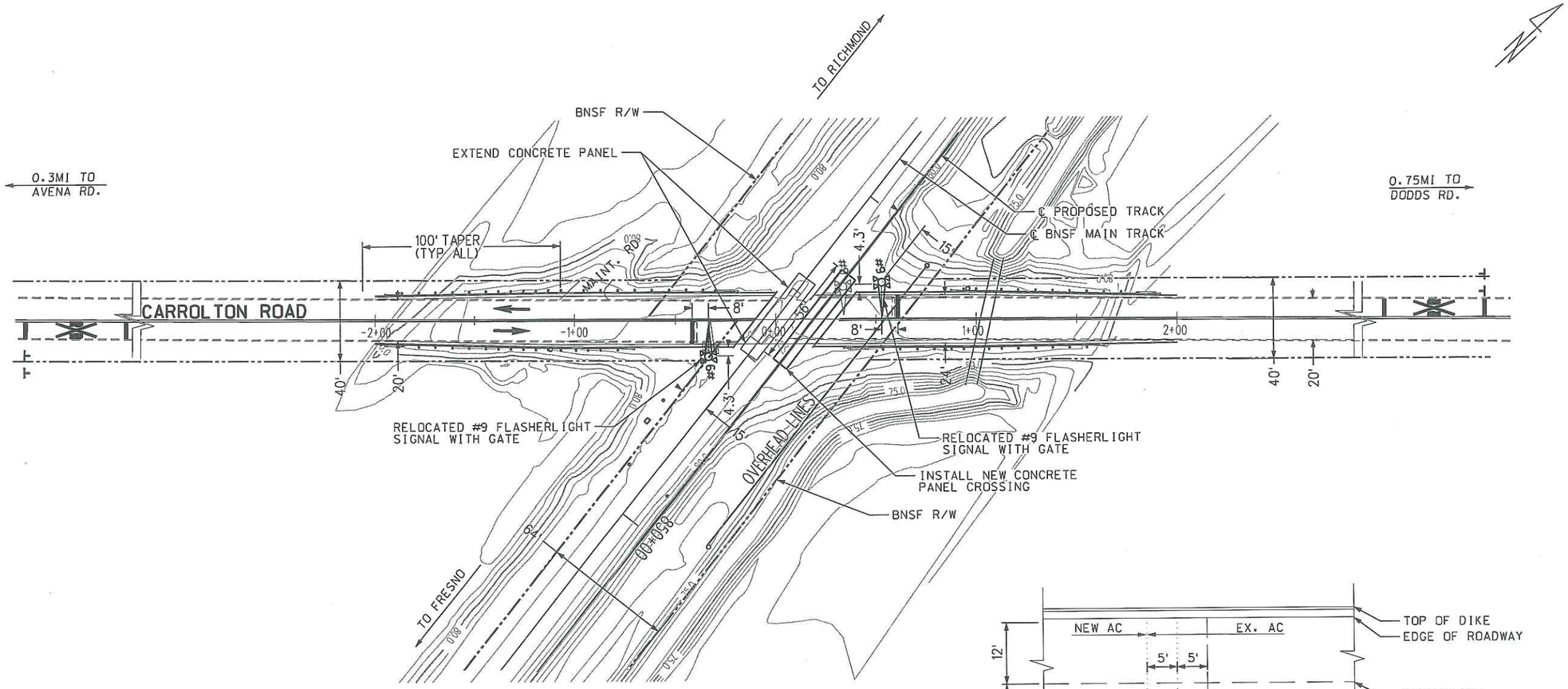
1 OF 6

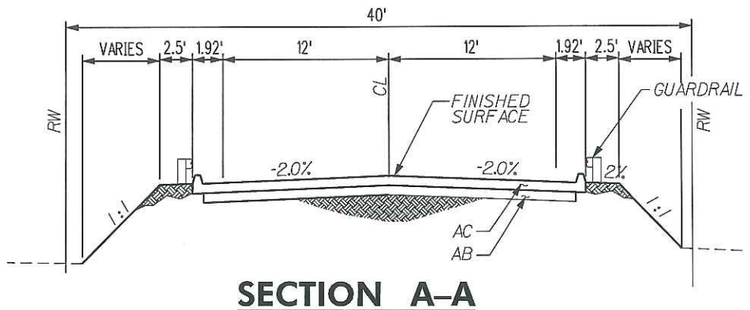
DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

WILSON & COMPANY

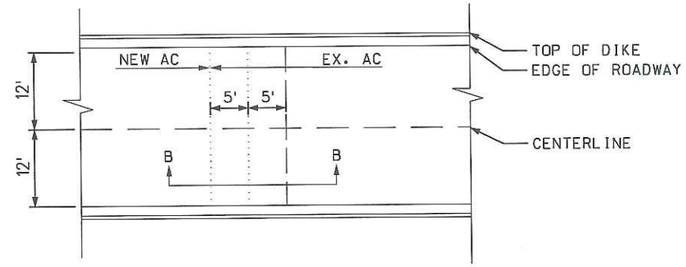
FILE NO. GC-09-1

DATE 03-03-14

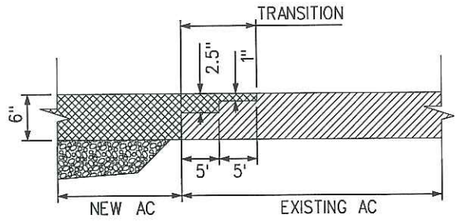




SECTION A–A
NTS



PLAN VIEW TIE–IN
NTS



SECTION B–B
NTS

CARROLTON ROAD
CPUC NO. 2–1107.10
DOT NO. 028–788–N
STA. 848+77.69
MP 1107.04

60 30 0 15 30 60
HORIZONTAL SCALE

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JACOBUS No. 63769 CIVIL STATE OF CALIFORNIA

REVISIONS			
NO.	DESCRIPTION	DATE	BY
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

BNSF RAILWAY THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
CARROLTON ROAD
CPUC NO. 2-1107.10 DOT NO. 028-788-N

FILE: GC-09-2.dgn

2 OF 6

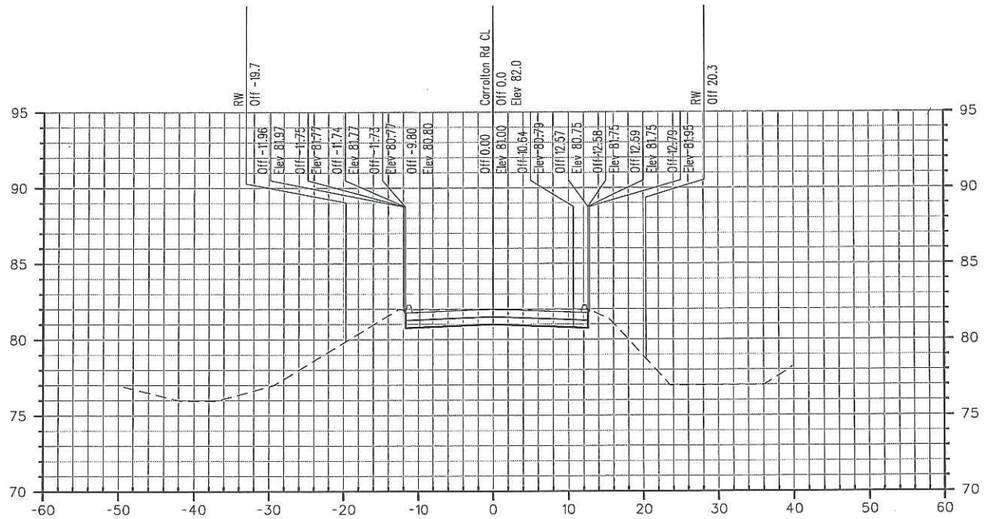
WILSON & COMPANY

FILE NO. GC-09-2

DATE 03-03-14

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.



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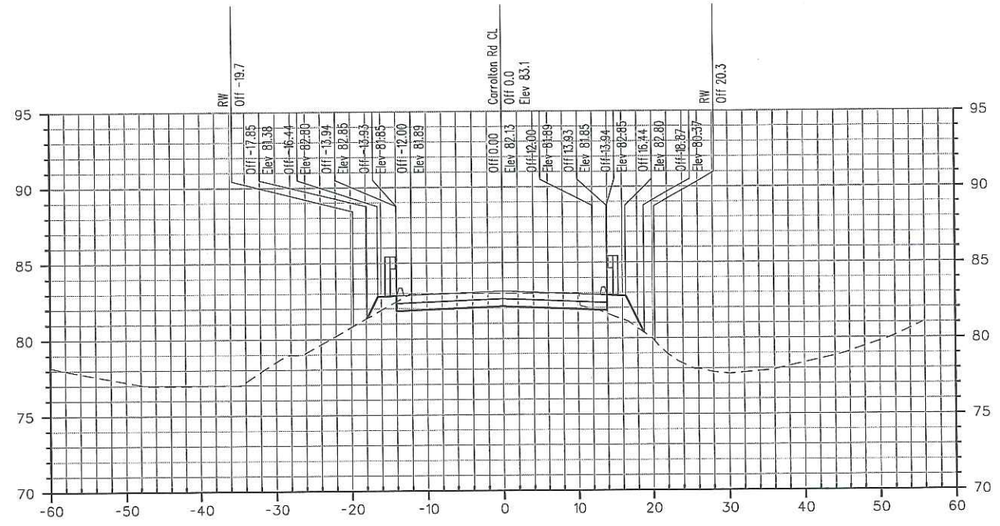
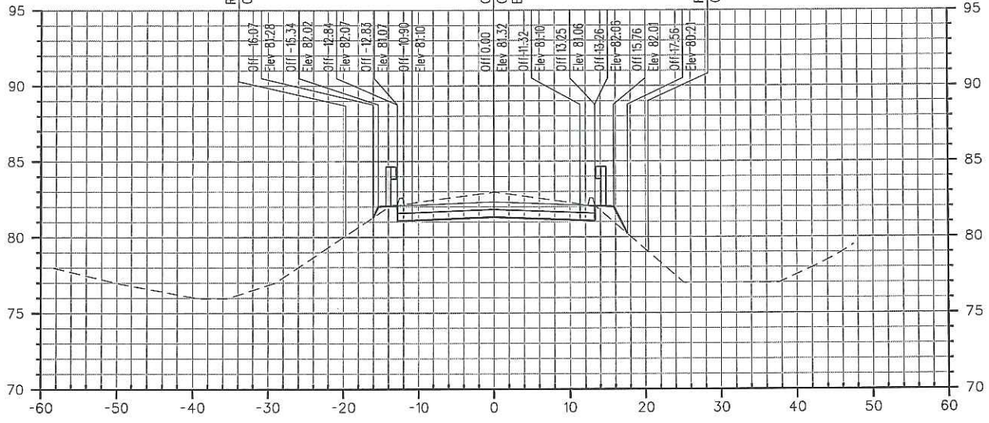


-1+00



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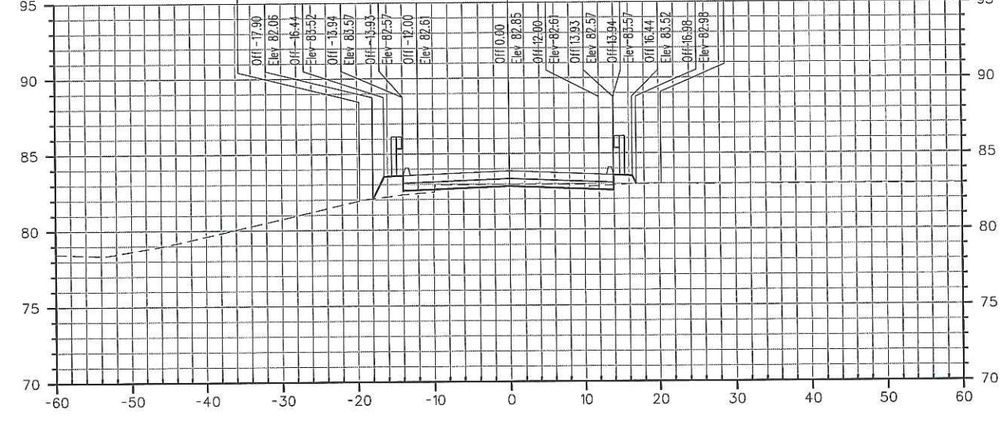

-0+50

HORIZONTAL SCALE
20 10 0 5 10 20

VERTICAL SCALE
10 5 0 2.5 5 10

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JACOBS
No. 63788
CIVIL
STATE OF CALIFORNIA

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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BNSF RAILWAY THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
CARROLTON ROAD
CROSS SECTIONS STA -2+00 TO STA -0+50

FILE:Carrolton Rd X-sec.dgf

3 OF 6

DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

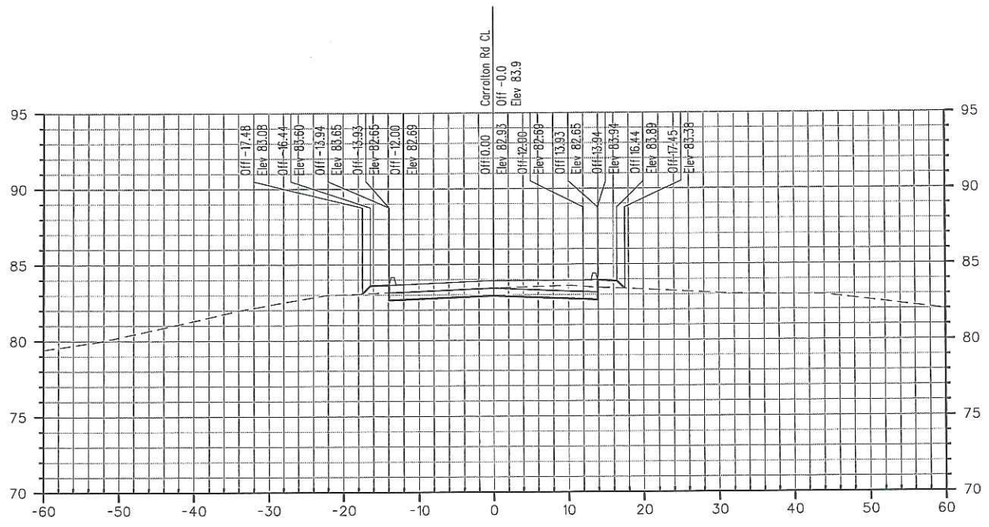
WILSON & COMPANY

FILE NO. GC-09-3

DATE 03-03-14

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.



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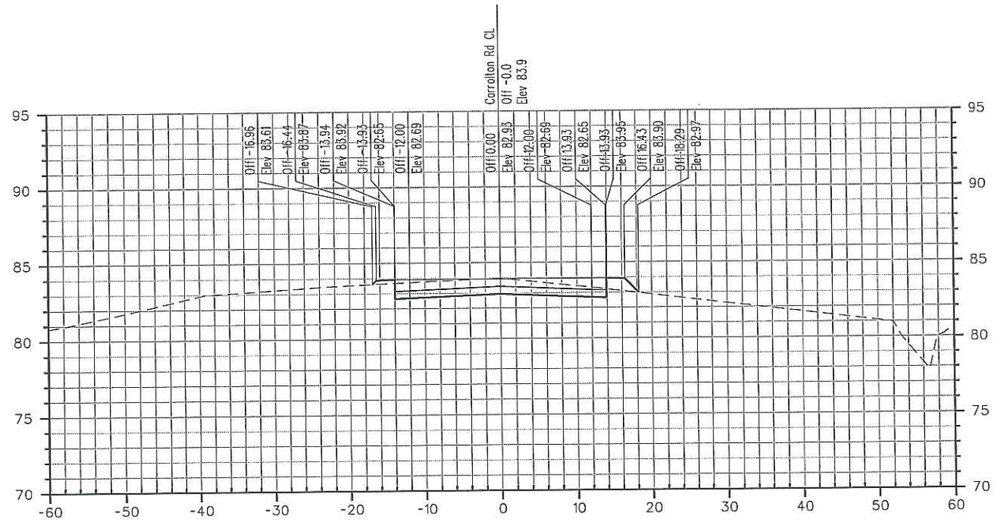

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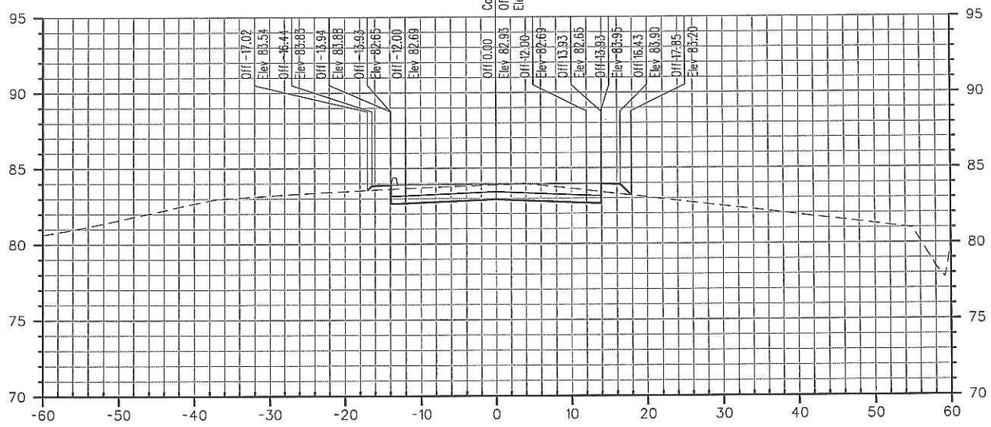

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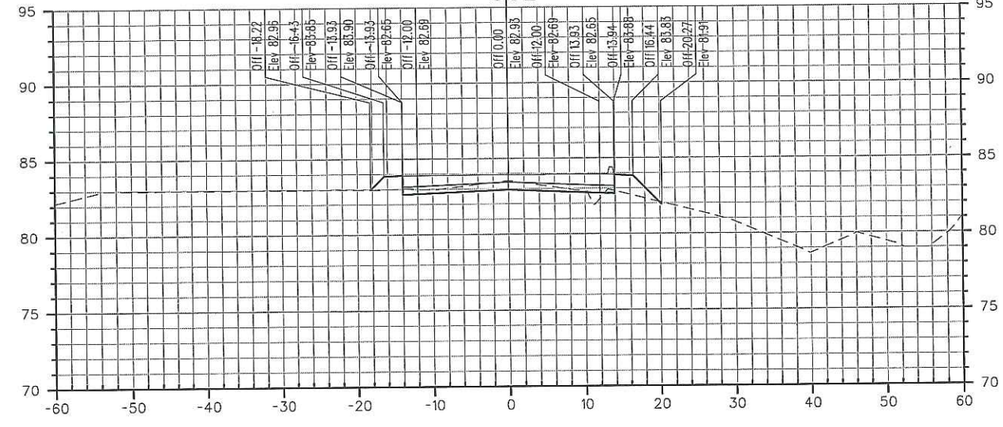

0+22

20 10 0 5 10 20
HORIZONTAL SCALE

10 5 0 2.5 5 10
VERTICAL SCALE

REGISTERED PROFESSIONAL ENGINEER
THOMAS G. JACOBS
No. 63769
CIVIL
STATE OF CALIFORNIA

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
CARROLTON ROAD

CROSS SECTIONS STA -0+24 TO STA 0+22

FILE:Carrolton Rd X-sec.dgn

4 OF 6

DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

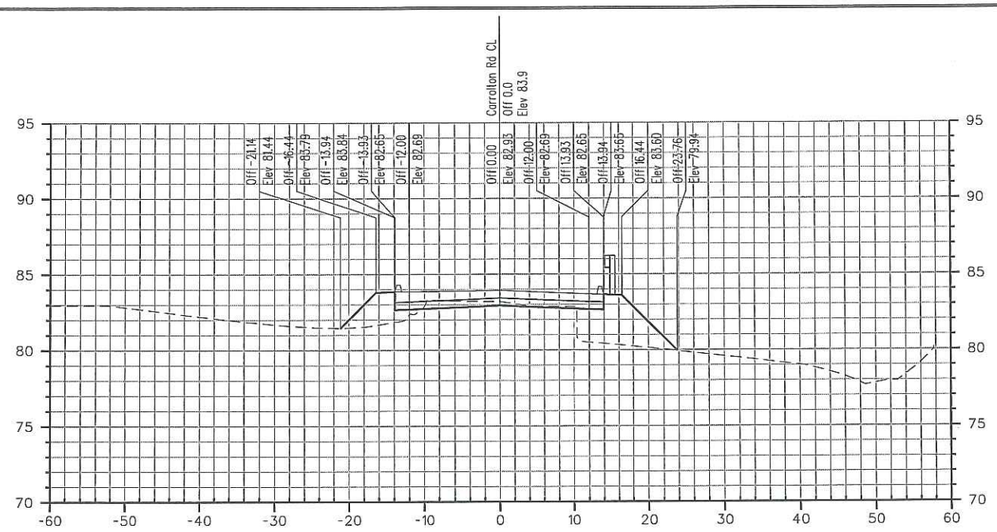
WILSON & COMPANY

FILE NO. GC-09-4

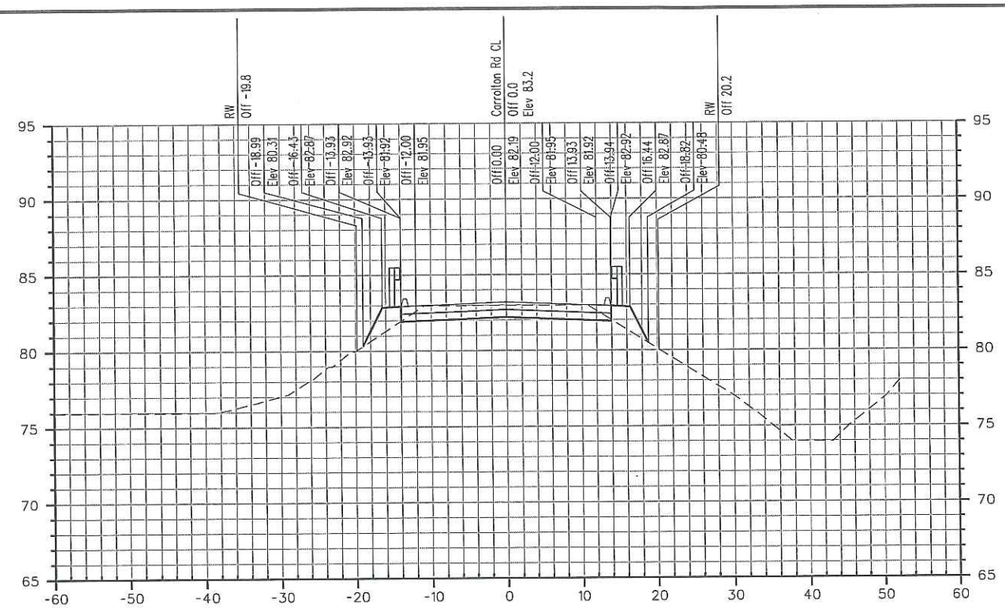
DATE 03-03-14

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.



0+43



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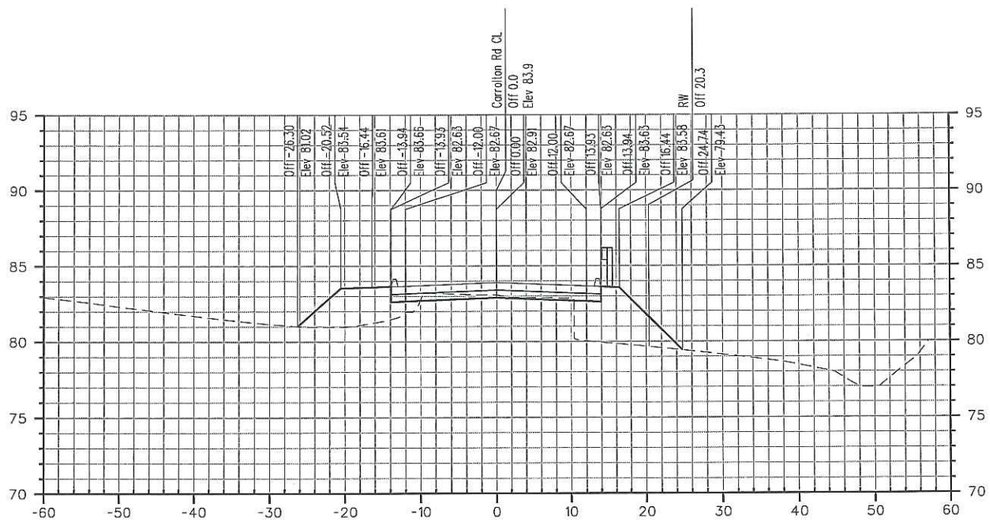
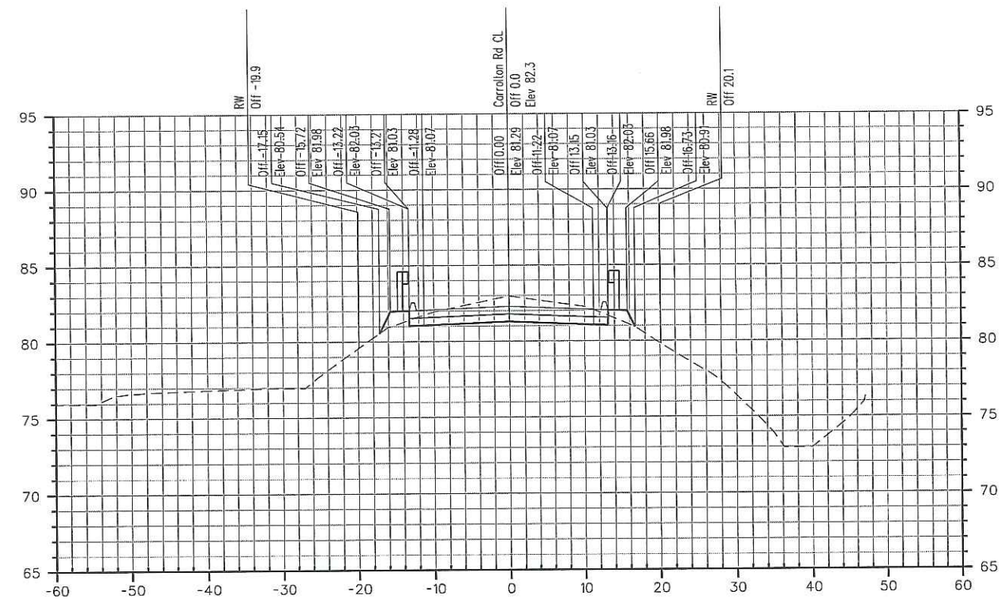


0+50



1+50

HORIZONTAL SCALE

VERTICAL SCALE

REGISTERED PROFESSIONAL ENGINEER — DOUGLAS B. JACOBS — No. 63769 — CIVIL — STATE OF CALIFORNIA

REVISIONS

NO.	DESCRIPTION	DATE	BY
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BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
CARROLTON ROAD
CROSS SECTIONS STA 0+43 TO STA 1+50

FILE:Carrolton Rd X-sec.dgf

5 OF 6

DESIGNED	JSR
CHECKED	LGL
DRAWN	JSR
CHECKED	LGL

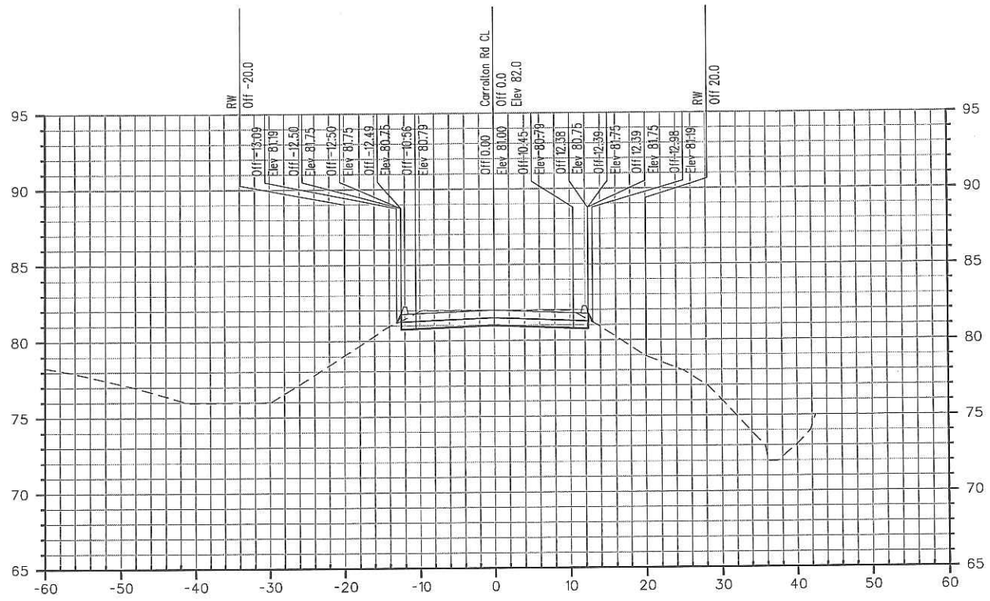
WILSON & COMPANY

FILE NO. GC-09-5

DATE 03-03-14

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.



2+00

HORIZONTAL SCALE

20 10 0 5 10 20

VERTICAL SCALE

10 5 0 2.5 5 10

REGISTERED PROFESSIONAL ENGINEER
TROY B. JACOBS
No. 63769
CIVIL
STATE OF CALIFORNIA

REVISIONS

NO.	DESCRIPTION	DATE	BY
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DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

BNSF RAILWAY THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
CARROLTON ROAD
CROSS SECTIONS STA 2+00 TO STA 2+00

FILE:Carrolton Rd X-sec.def

6 OF 6

WILSON & COMPANY

FILE NO. GC-09-6

DATE 03-03-14

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

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THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

INDEX OF SHEETS

CIVIL PLANS

SHEETS 1	COVER
SHEETS GC-12-1	PLAN & PROFILE
SHEETS GC-12-2	PLAN VIEW WITH DETAILS

CROSS SECTIONS

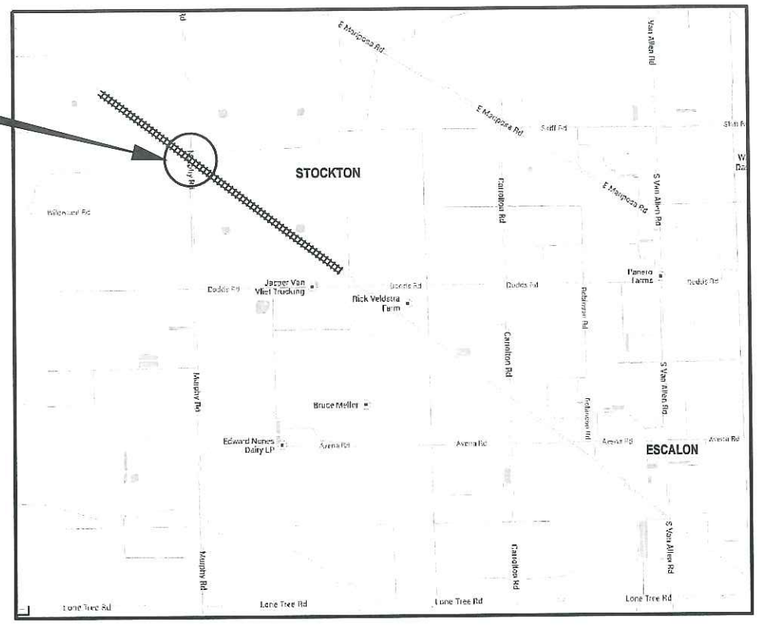
SHEETS GC-12-3-GC-12-6 CROSS SECTIONS

BNSF RAILWAY

MURPHY ROAD CROSSING

Div. Northern California Sub. Div. Stockton Line Seg. 7200

PROJECT LOCATION



CALIFORNIA

PROJECT LOCATION

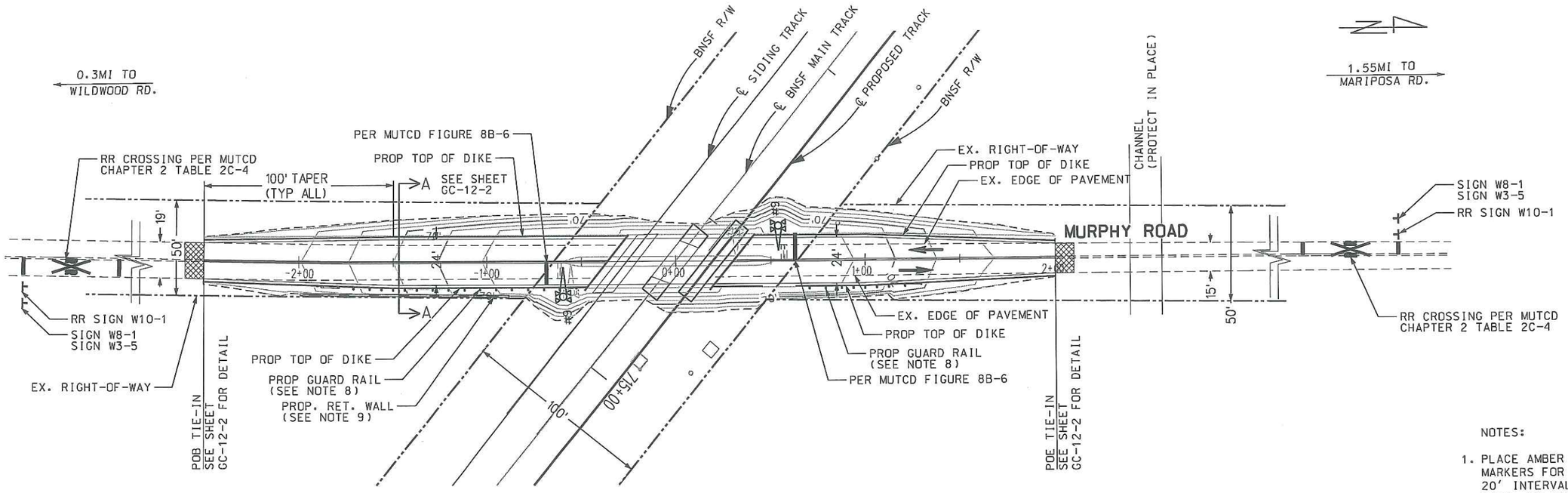
VICINITY MAP

SAN JOAQUIN COUNTY CALIFORNIA

PHASE 1

WILSON & COMPANY

File: M:\RR\09-400-056-00\CADD\SHEETS\Crossings\Cover_MurphyRoad\09/7/2014 Time: 4:37:37 PM By: JSRangel



NOTES:

1. PLACE AMBER REFLECTORIZED PAVEMENT MARKERS FOR 100' ALONG EACH APPROACH AT 20' INTERVALS PLACE AT CENTER LINE OF ROAD: NO PAVEMENT MARKERS WITHIN 10' OF NEAREST TRACK.
2. PLACE DOUBLE YELLOW LANE LINE AT CENTER LINE OF ROAD 200' ON EACH ROADWAY APPROACH.
3. ROADWAY TO BE A.C. OVERLAYED PER COUNTY SPECIFICATIONS.
4. REPLACE AND RELOCATE STOP PER MUTCD. SAND BLAST EXISTING STOP BAR.
5. PAINT "RXR" MARKINGS 550' FROM STOP BAR PER MUTCD FIGURE 8B-7 (CA) PLACE W10-1 ADVANCE WARNING SIGNS PLACE W8-1(BUMP SIGN)& W3-5 (30MPH SIGN) TO BE MOUNTED ON SINGLE POST.
6. DESIGN SPEED THROUGH THE CROSSING IS 35MPH AND THE ADVISORY SPEED IS 5MPH LESS THAN THE DESIGN SPEED.
7. PLACE TYPE A ASPHALT DIKE PER CAL TRANS STANDARD A87B.
8. PLACE GUARD RAIL PER CAL TRANS STANDARD A77P1, A77N3 DETAIL B.
9. RETAINING WALL PER CAL-TRANS STANDARD B3-7A TYPE 6B (SEE DETAIL HEREON)

MURPHY ROAD

60 30 0 15 30 60
HORIZONTAL SCALE

12 6 0 3 6 12
VERTICAL SCALE

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND IR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JACOBSEN No. 63769 CIVIL STATE OF CALIFORNIA

BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
MURPHY ROAD
CPUC NO. 2-1109.60 DOT NO. 028-791-W

FILE: GC-12-1.dgn | 1 OF 6

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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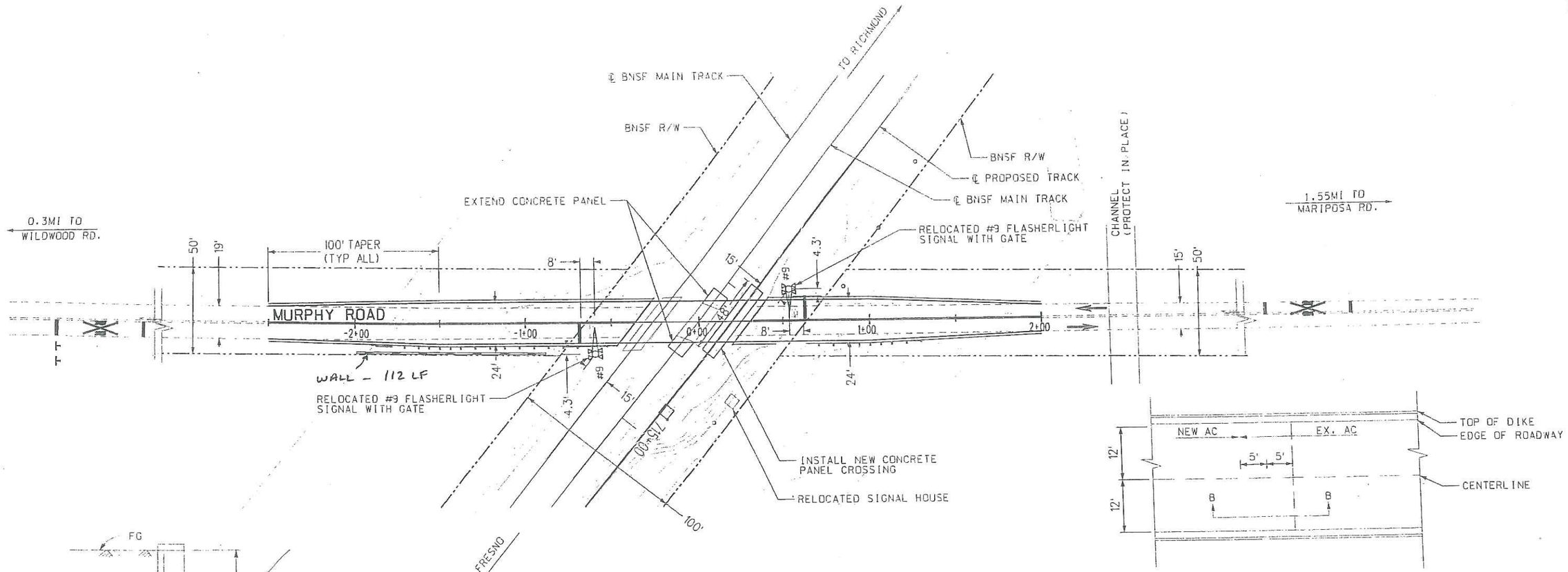
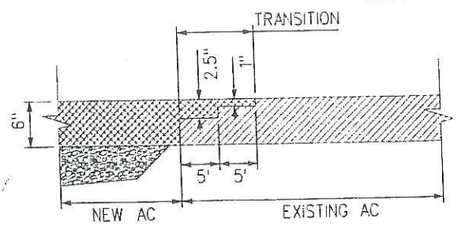
DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

WILSON & COMPANY

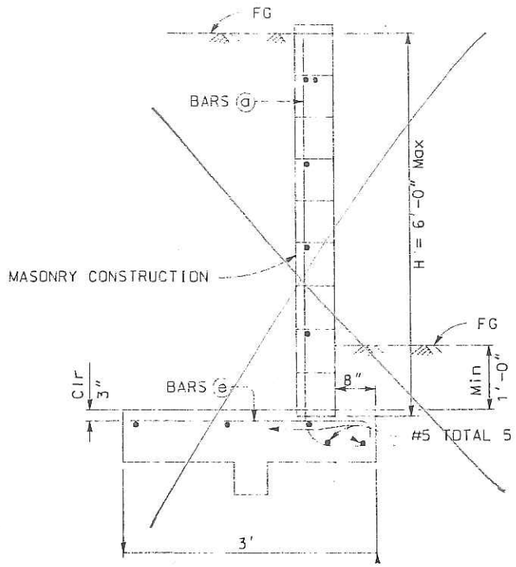
FILE NO. GC-12-1
DATE 03-03-14



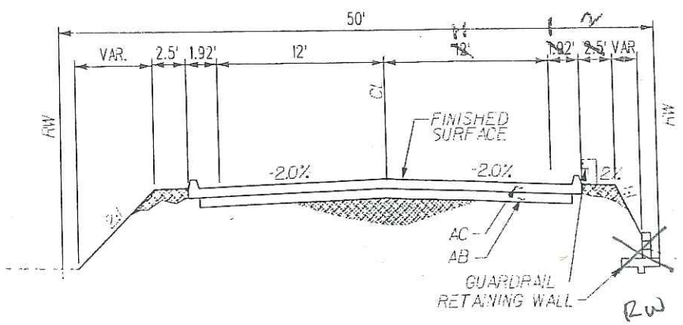
PLAN VIEW TIE-IN
NTS



SECTION B-B
NTS



RETAINING WALL TYPE 6B
NTS



MURPHY ROAD

CPUC NO. 2-1109.60
DOT NO. 028-791-W
STA. 714+28.57
MP 1109.59

60 30 0 15 30 60
HORIZONTAL SCALE

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.

REGISTERED PROFESSIONAL ENGINEER — STATE OF KANSAS — 16,613 — CIVIL

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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DESIGNED VSP
CHECKED LGL
DRAWN VSP
CHECKED LGL

BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
MURPHY ROAD
CPUC NO. 2-1109.60 DOT NO. 028-791-W

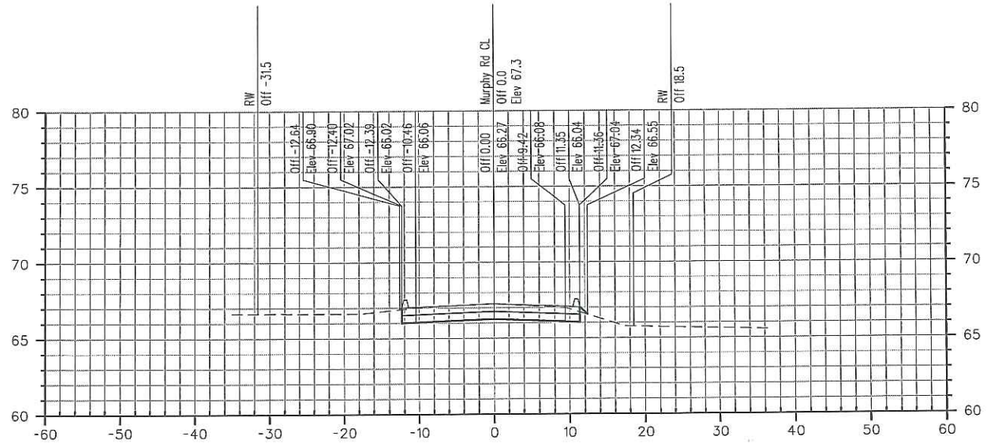
FILE: GC-12-2.dgn

2 OF 6

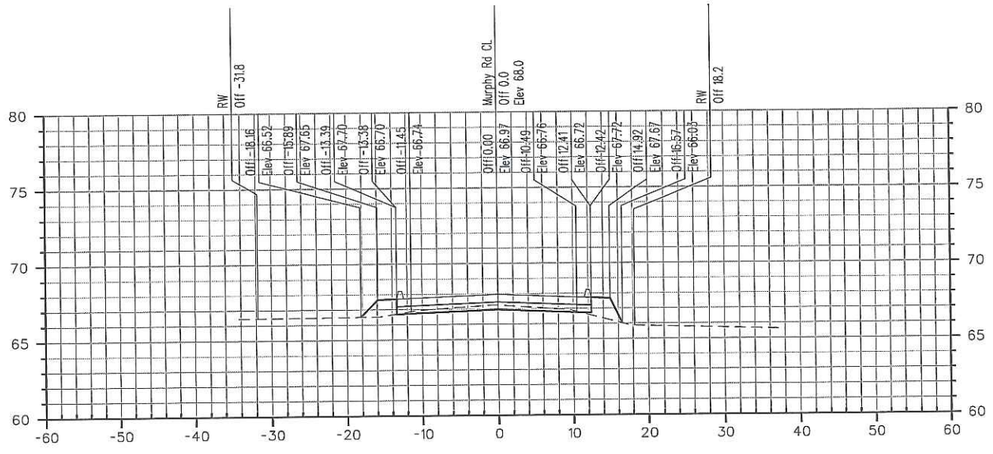
FILE NO. GC-12-2

DATE 03-03-14

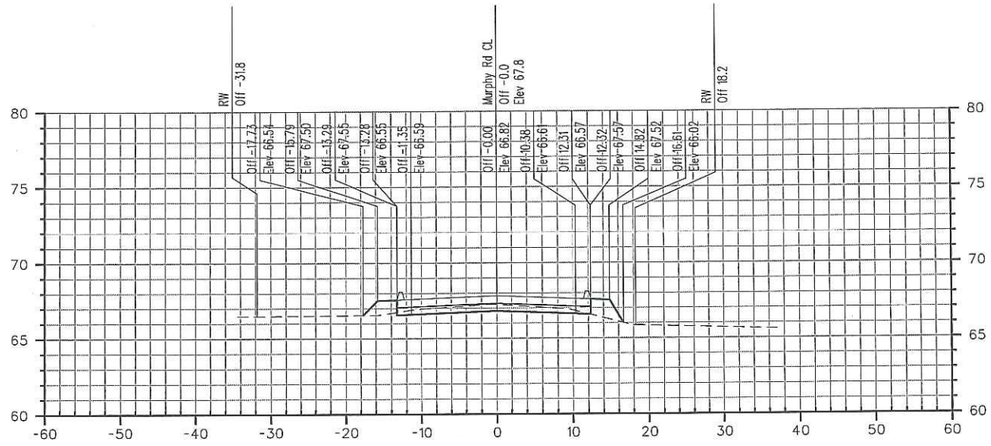
WILSON & COMPANY



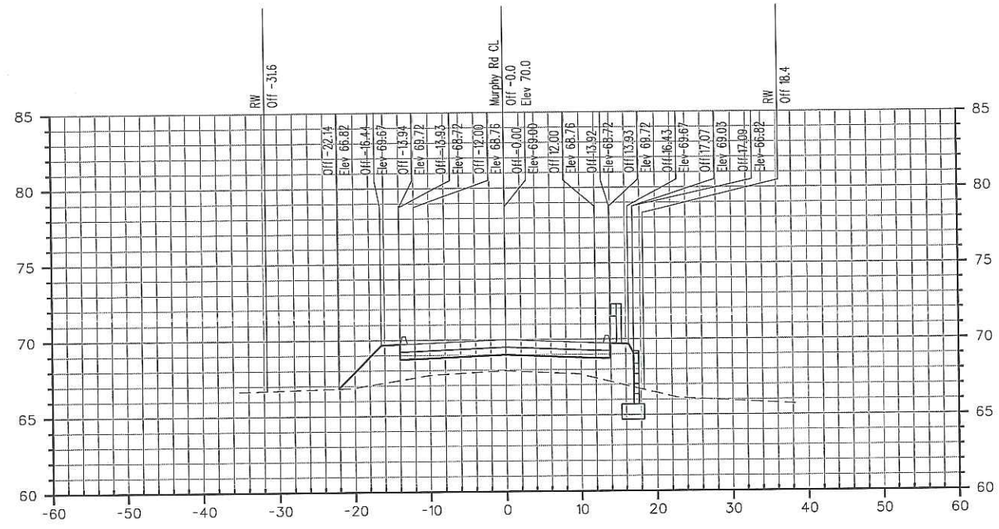
-2+50



-2+00



-2+05



-1+50

HORIZONTAL SCALE

20 10 0 5 10 20

VERTICAL SCALE

10 5 0 2.5 5 10

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JACOBS No. 63769 CIVIL STATE OF CALIFORNIA

REVISIONS

NO.	DESCRIPTION	DATE	BY
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DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

BNSF RAILWAY THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
MURPHY ROAD

CROSS SECTIONS STA -2+50 TO STA -1+50

FILE: GC-12-3

3 OF 6

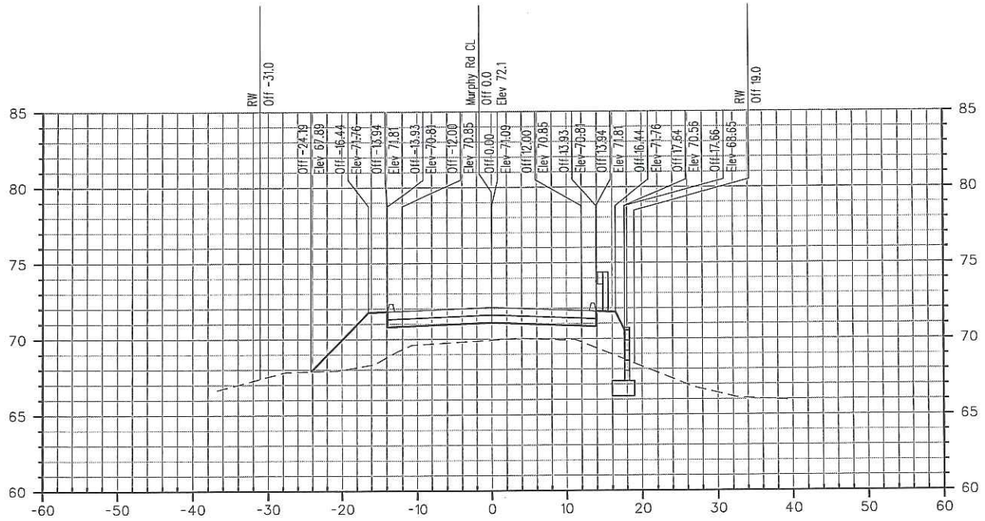
WILSON & COMPANY

FILE NO. GC-12-3

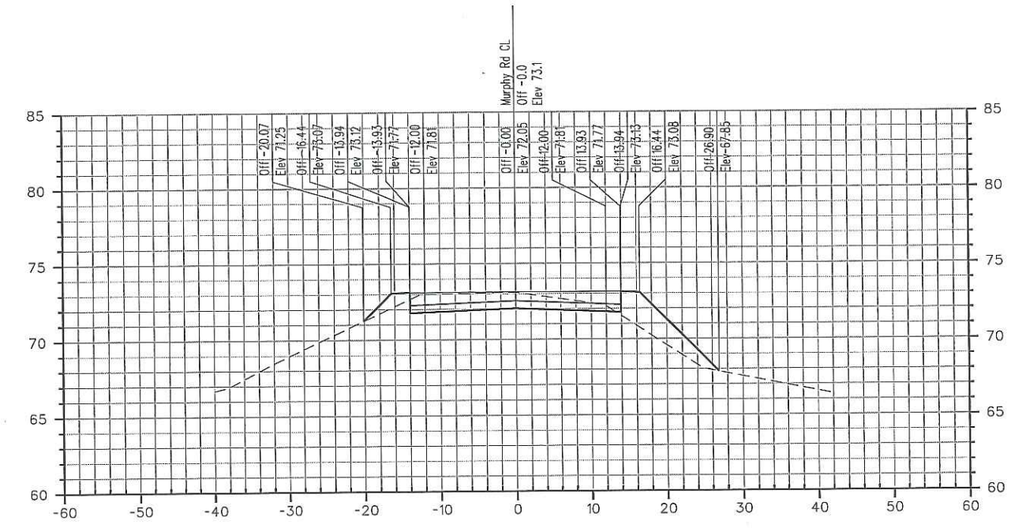
DATE 03-03-14

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.



-1+00



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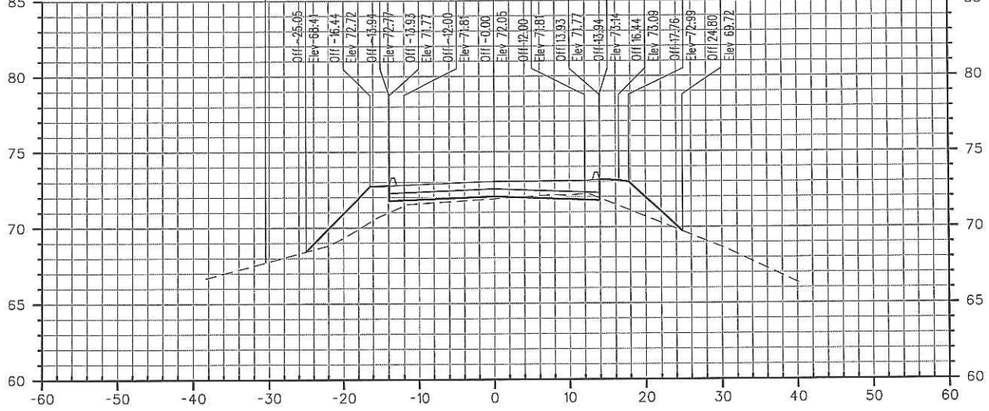
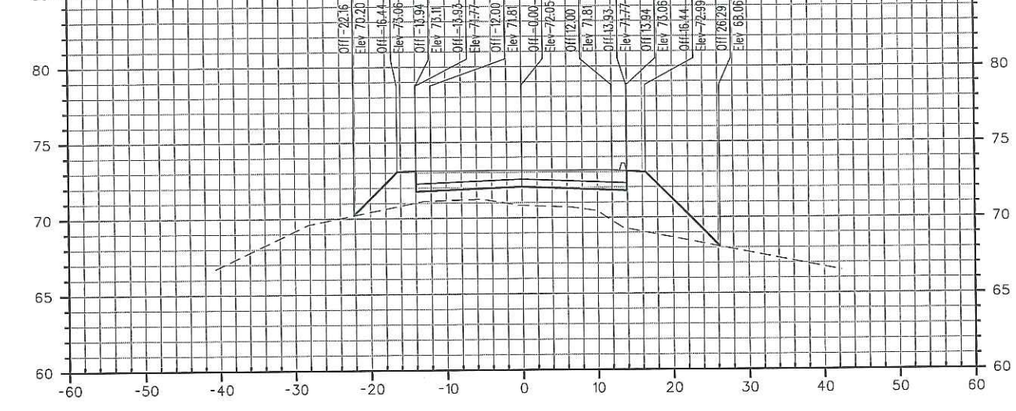


-0+50



0+23

HORIZONTAL SCALE

VERTICAL SCALE

REGISTERED PROFESSIONAL ENGINEER THOMAS D. JACOBS No. 63769 CIVIL STATE OF CALIFORNIA

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
MURPHY ROAD

CROSS SECTIONS STA -1+00 TO STA 0+23

FILE: GC-12-4

4 OF 6

DESIGNED	JSR
CHECKED	LGL
DRAWN	JSR
CHECKED	LGL

WILSON & COMPANY

FILE NO. GC-12-4

DATE 03-03-14

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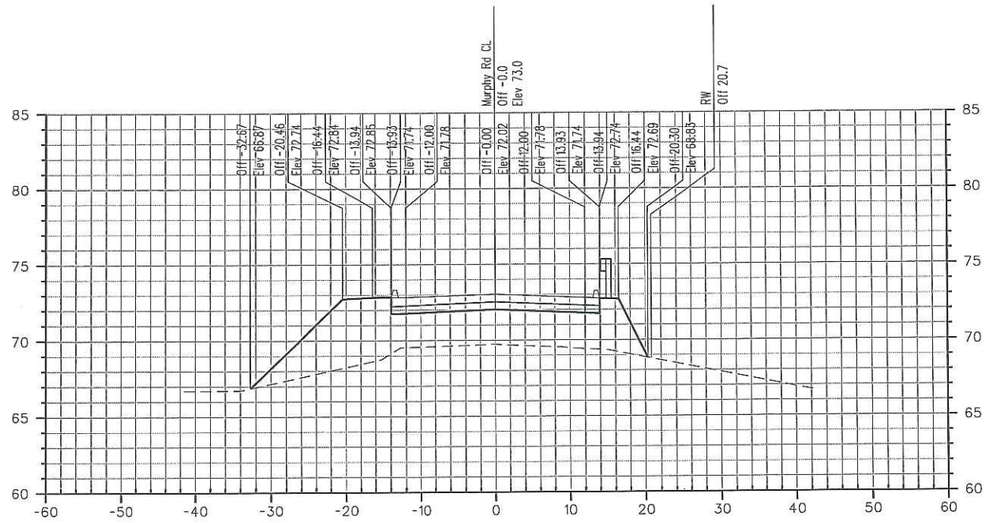

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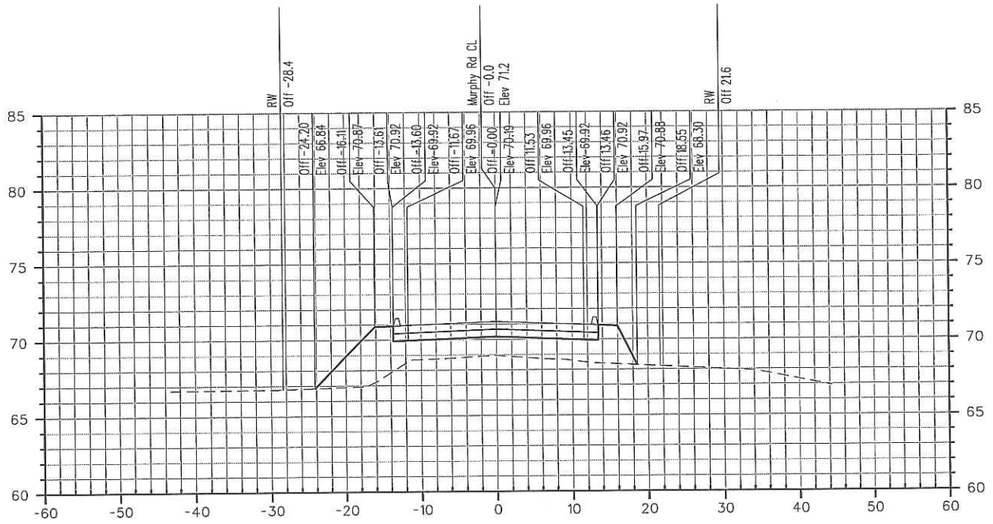

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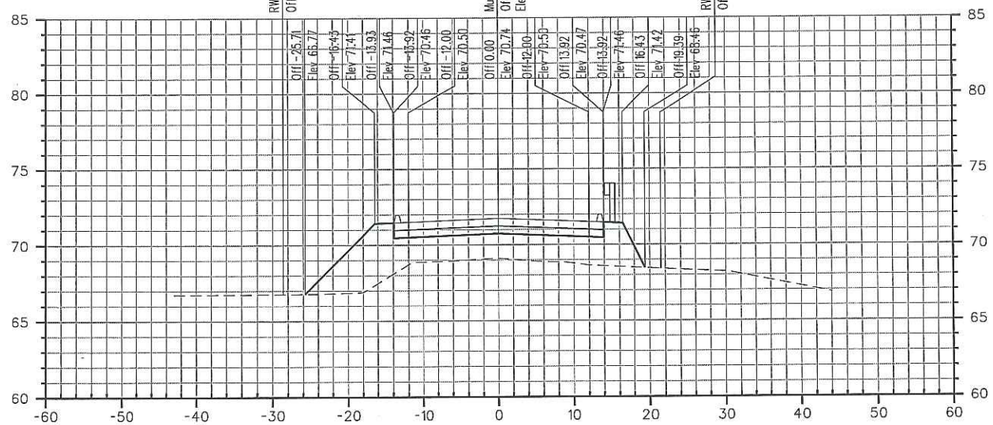

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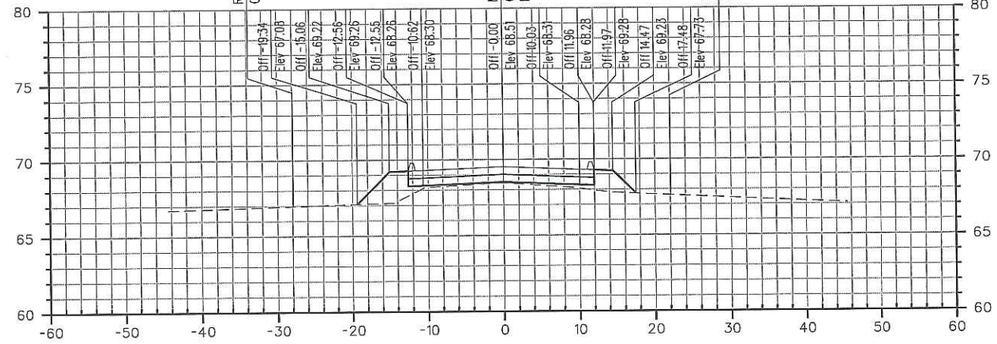

1+50

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NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.

HORIZONTAL SCALE 20 10 0 5 10 20

VERTICAL SCALE 10 5 0 2.5 5 10

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JACOBS No. 63769 CIVIL STATE OF CALIFORNIA

REVISIONS			
NO.	DESCRIPTION	DATE	BY
-	-	-	-
-	-	-	-
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BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

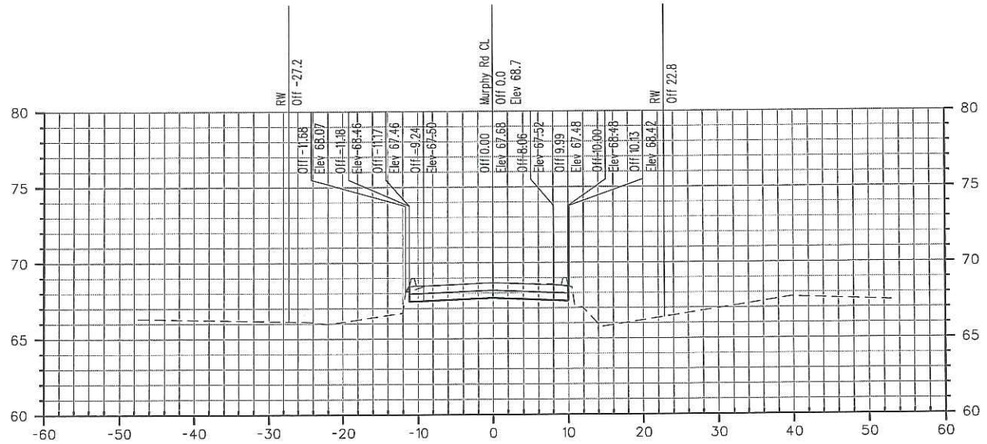
PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
MURPHY ROAD
CROSS SECTIONS STA 0+50 TO STA 1+50

FILE:GC-12-5 — 5 OF 6

DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

WILSON & COMPANY

FILE NO. GC-12-5
DATE 03-03-14



2+00

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REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JACOBS
No. 63769
CIVIL
STATE OF CALIFORNIA

HORIZONTAL SCALE
20 10 0 5 10 20

VERTICAL SCALE
10 5 0 2.5 5 10

REVISIONS

NO.	DESCRIPTION	DATE	BY
-	-	-	-
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BNSF RAILWAY THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
MURPHY ROAD
CROSS SECTIONS STA 2+00 TO STA 2+00

FILE:GC-12-6

6 OF 6

DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

WILSON & COMPANY

FILE NO. GC-12-6

DATE 03-03-14

PROPOSED MESSAGES TO BE DISPLAYED ON CMS BOARD WHICH WILL BE IN PLACE AS INDICATED ON TCP

MURPHY ROAD	RAIL RD XING CLOSED	10/27/14 TO 11/07/14	USE ALTRNATE ROUTE
1ST SCREEN	2ND SCREEN	3RD SCREEN	4TH SCREEN

CHANGEABLE MESSAGE BOARD

PROPOSED MESSAGES TO BE DISPLAYED ON CMS BOARD WHICH WILL BE IN PLACE AS INDICATED ON TCP

CARROLTN ROAD	RAIL RD XING CLOSED	10/27/14 TO 11/07/14	USE ALTRNATE ROUTE
1ST SCREEN	2ND SCREEN	3RD SCREEN	4TH SCREEN

CHANGEABLE MESSAGE BOARD

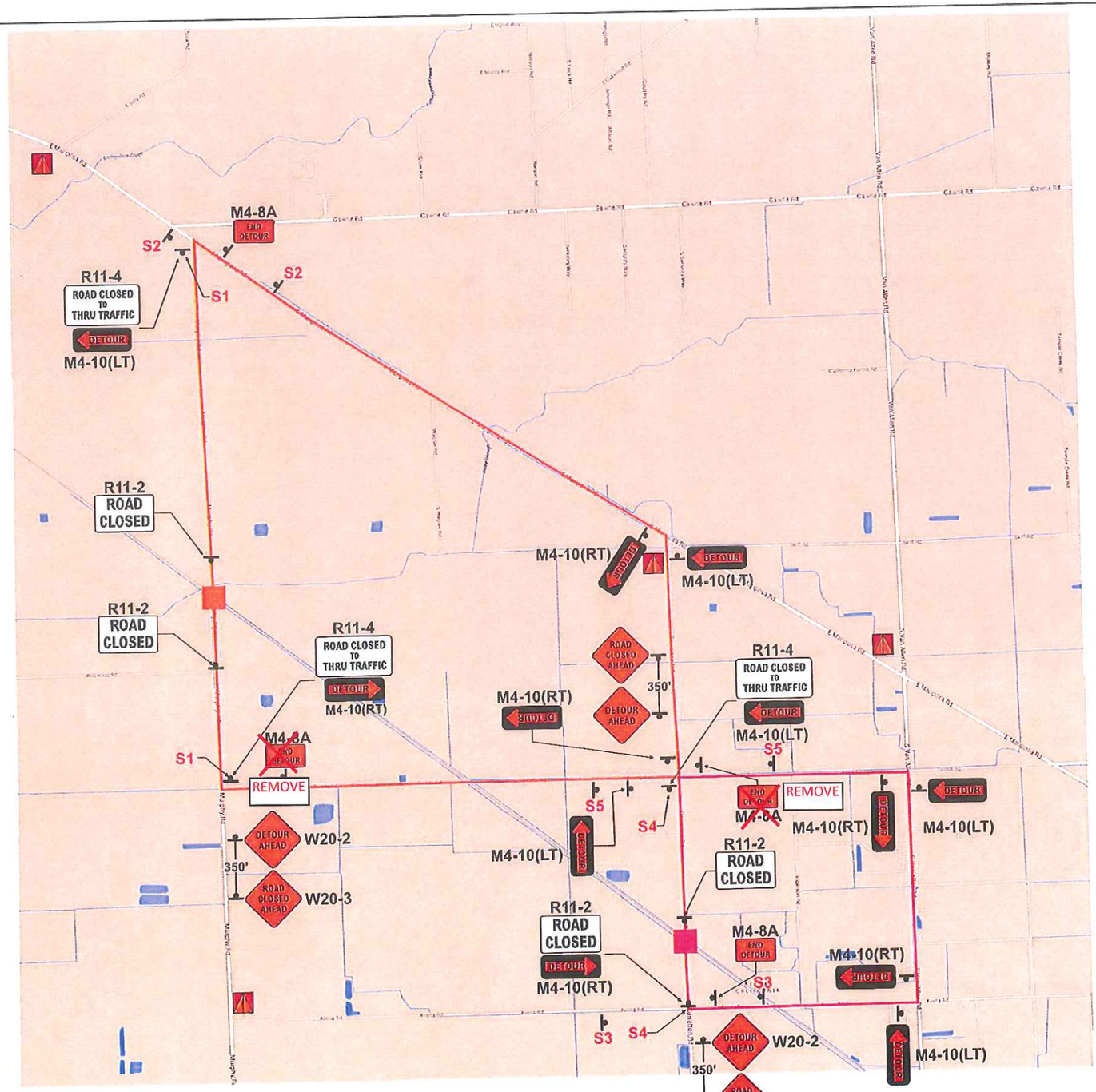
S1
MURPHY RD CLOSED 10/27/14 THRU 11/07/14 AT R.R. XING USE DETOUR

S2
SOUTH BOUND MURPHY RD CLOSED AT R.R. XING USE CARROLTON RD DETOUR

S3
NORTH BOUND CARROLTON RD CLOSED AT R.R. XING USE VAN ALLEN RD DETOUR

S4
CARROLTON RD CLOSED 11/03/14 THRU 11/07/14 AT R.R. XING USE DETOUR

S5
SOUTH BOUND CARROLTON RD CLOSED AT R.R. XING USE VAN ALLEN RD DETOUR



PHASE 1

TYPE 3 BARRICADE WITH SIGN MOUNTED (EXAMPLE) — ROAD CLOSED AHEAD
TYPE 1 BARRICADE WITH SIGN MOUNTED (EXAMPLE) — DETOUR AHEAD
TYPE 3 BARRICADE WITH SIGN MOUNTED (EXAMPLE) — R11-2 ROAD CLOSED / DETOUR
TYPE 1 BARRICADE WITH SIGN MOUNTED (EXAMPLE) — DETOUR

NOTE: ALL BARRICADES SHALL HAVE FLASHING LIGHTS MOUNTED ON THEM IF LEFT OVERNIGHT.

S3 S4 S5 SIGNS SHALL BE IN PLACE A MINIMUM 5 WORK DAYS PRIOR TO ROAD CLOSURE.

SIGN LEGEND

W20-2	DETOUR AHEAD
W20-3	ROAD CLOSED AHEAD
R11-2	ROAD CLOSED
R11-4	ROAD CLOSED TO THRU TRAFFIC
M4-8A	END DETOUR
M4-10(RT)	DETOUR RIGHT
M4-10(LT)	DETOUR LEFT
SCI(CA)	DETOUR STRAIGHT

LEGEND

- SIGN PLACEMENT
- CARROLTON RD WORK LOCATION
- MURPHY RD WORK LOCATION

TRAFFIC CONTROL SAFETLITE CALICENSE #788082

TYPE OF TRAFFIC CONTROL:	TEMPORARY ROAD CLOSURES
PROPOSED WORK SCHEDULE	10/27/14 THRU 11/07/14
PLAN DRAWN BY:	ALBERTO DELGADO TRAFFIC CONTROL SUPERVISOR 1-800-851-6262 209-522-8913
PLAN PROVIDED BY:	SAFETLITE Construction, Engineering, Safety Supplies & Signs Sales Rentals Service www.safetlite.com 1051 N. EMERALD AVE., MODESTO, CA 95351 C31 LICENSED CONTRACTOR LICENSE NO. 788082
TRAFFIC CONTROL PLAN FOR:	BURLINGTON NORTHERN SANTA FE RAIL XING IMPROVEMENTS MURPHY RD AND CARROLTON RD SAN JOAQUIN COUNTY, CA
CONTRACTOR:	T & S INTERMODAL, INC. P.O. BOX 1592 LINDEN, CA 95236
CONTACT:	SAMMY COX (916)416-7781 E-MAIL sammycox@tandsinc.us
PLAN SHEET#	TCP 5

THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

INDEX OF SHEETS

CIVIL PLANS

SHEETS 1	COVER
SHEETS GC-10-1	PLAN & PROFILE
SHEETS GC-10-2	PLAN VIEW WITH DETAILS
SHEETS GC-10-3	PLAN & PROFILE MAINTENANCE ROAD
SHEETS GC-10-4	48" PIPE EXTENSION

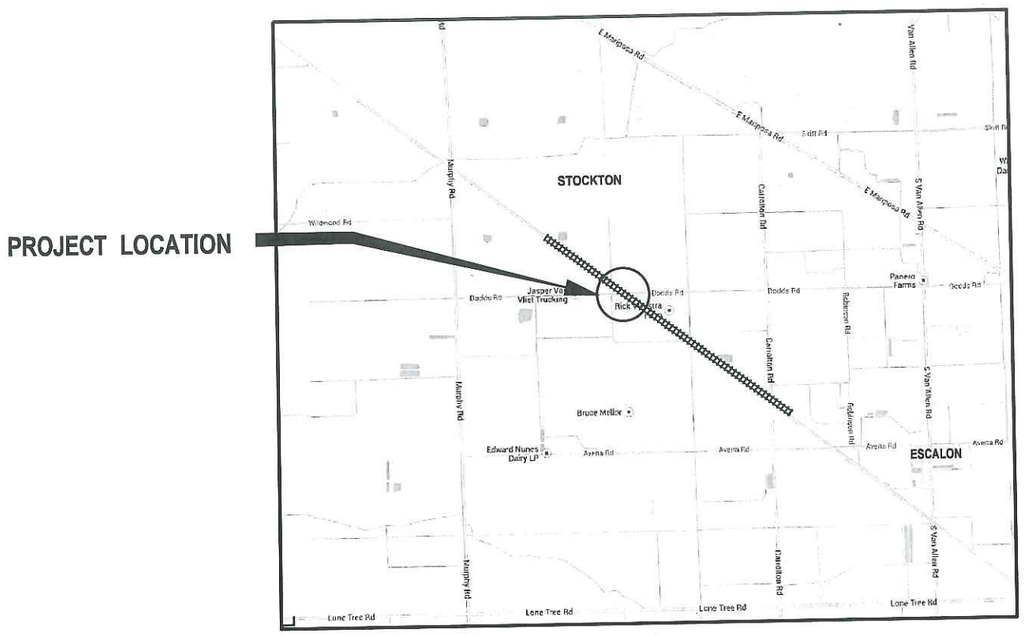
CROSS SECTIONS

SHEETS GC-10-5-GC-10-9 CROSS SECTIONS

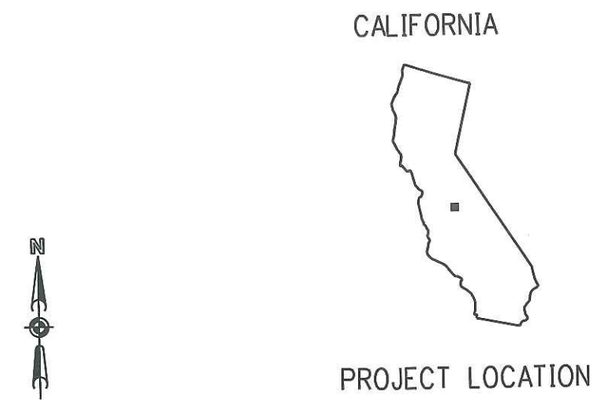
BNSF℠ RAILWAY

DODDS ROAD CROSSING

Div. Northern California Sub. Div. Stockton Line Seg. 7200

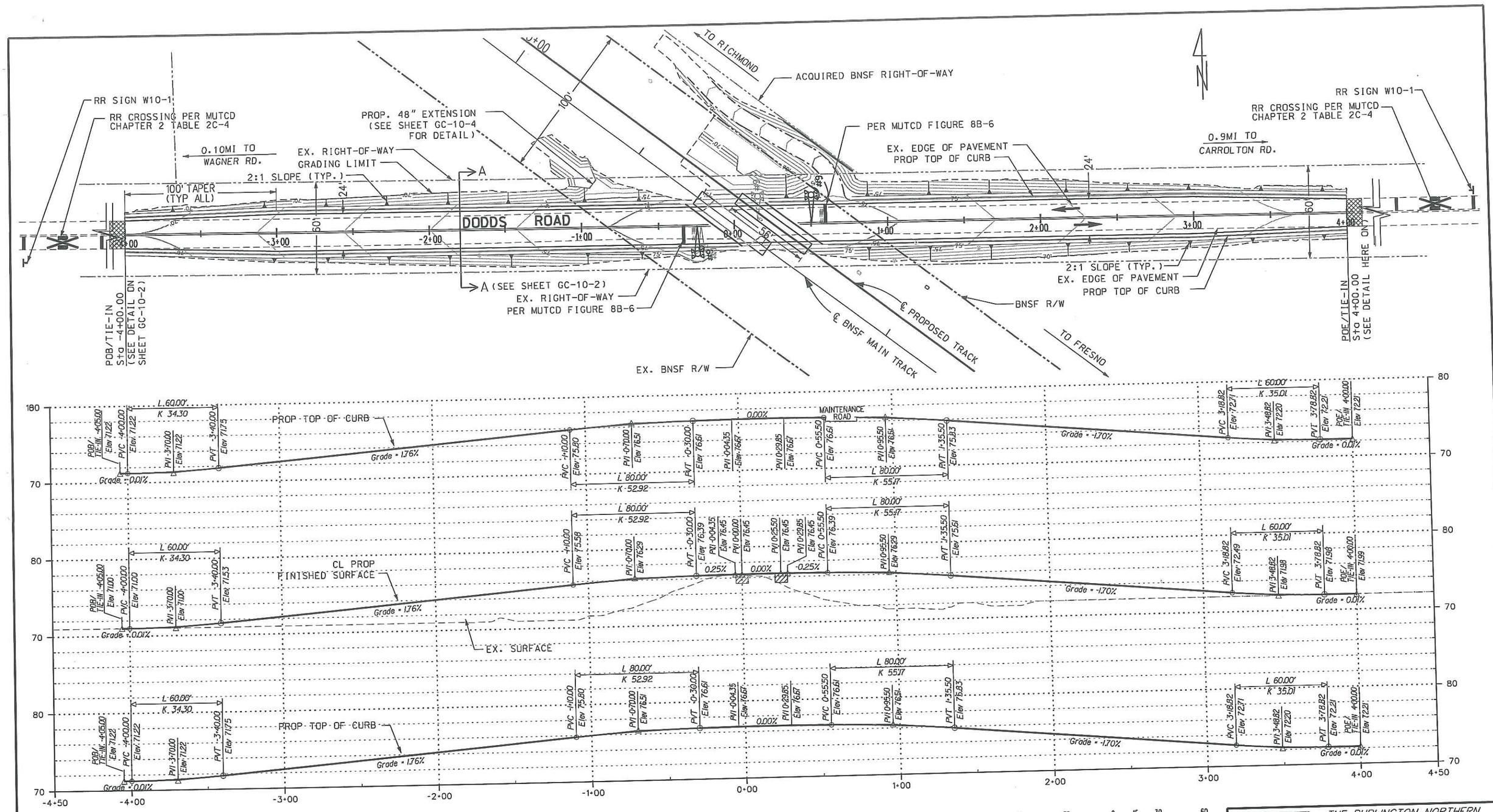


VICINITY MAP
SAN JOAQUIN COUNTY CALIFORNIA



PHASE 2

WILSON & COMPANY



DODDS ROAD

HORIZONTAL SCALE 1" = 30'

VERTICAL SCALE 1" = 6'

BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
DODDS ROAD
CPUC NO. 2-1108.20 DOT NO. 028-789-V

FILE: GC-10-1.dgn

1 OF 9

REVISIONS

NO.	DESCRIPTION	DATE	BY
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DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

WILSON & COMPANY

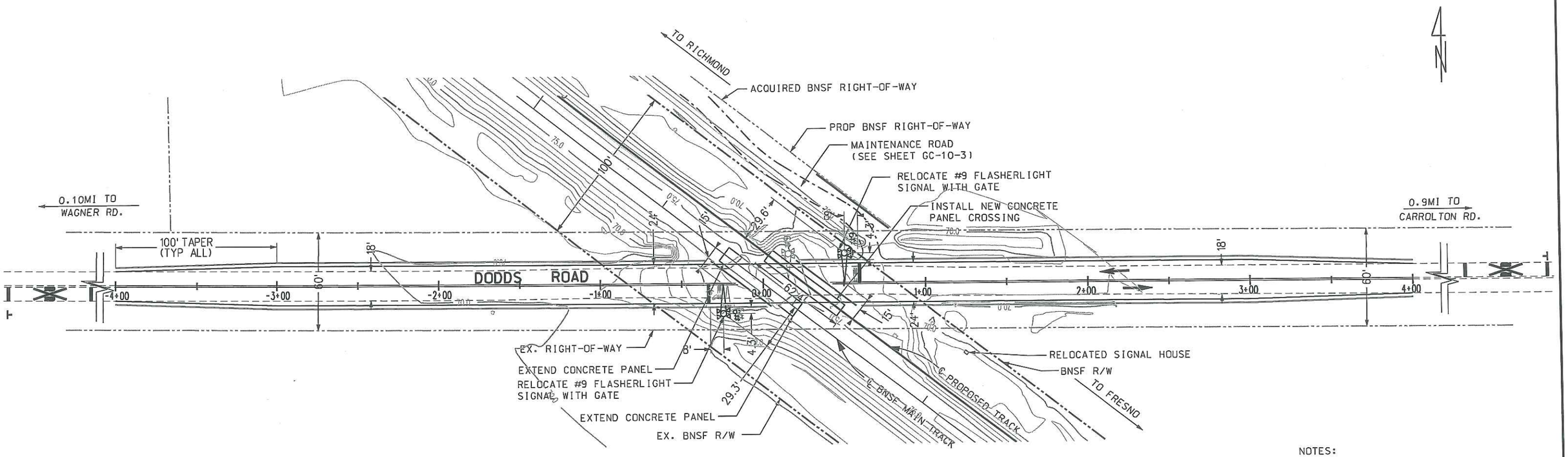
FILE NO. GC-10-1

DATE 03-03-14

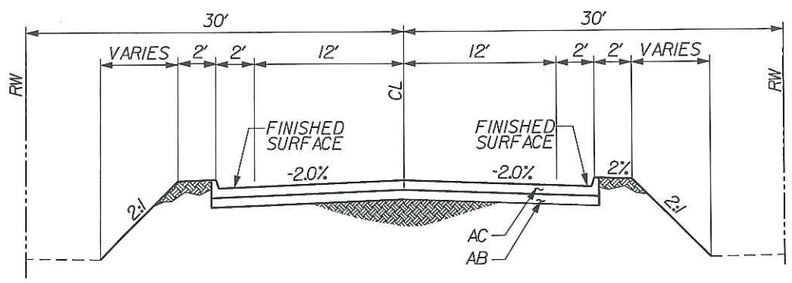
REGISTERED PROFESSIONAL ENGINEER — TRAVIS B. JACOBS — No. 63769 — CIVIL — STATE OF CALIFORNIA

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.

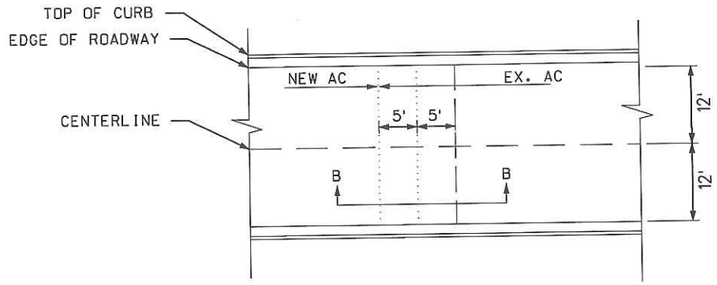


DODDS ROAD



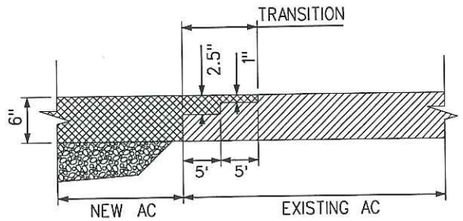
SECTION A–A

NTS



PLAN VIEW TIE–IN

NTS



SECTION B–B

NTS

NOTES:

1. PLACE AMBER REFLECTORIZED PAVEMENT MARKERS FOR 100' ALONG EACH APPROACH AT 20' INTERVALS PLACE AT CENTER LINE OF ROAD; NO PAVEMENT MARKERS WITHIN 10' OF NEAREST TRACK.
2. PLACE DOUBLE YELLOW LANE LINE AT CENTER LINE OF ROAD TO TIE-IN AT EACH ROADWAY APPROACH.
3. ROADWAY TO BE A.C. OVERLAYED PER COUNTY SPECIFICATIONS.
4. REPLACE AND RELOCATE STOP BARS PER MUTCD. SAND BLAST EXISTING STOP BAR.
5. PAINT "RXR" MARKINGS PER MUTCD FIGURE 8B-7 (CA)PLACE W10-1 ADVANCE WARNING SIGN, 950' FROM STOP BAR.
6. DESIGN SPEED THROUGH THE CROSSING IS 55MPH.
7. PLACE TYPE A2 CURB PER CAL-TRANS STANDARD A87A.

60 30 0 15 30 60

HORIZONTAL SCALE 1" = 30'

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REGISTERED PROFESSIONAL ENGINEER THOMAS B. JACOBS No. 63769 CIVIL STATE OF CALIFORNIA

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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DESIGNED JSP
CHECKED LGL
DRAWN JSP
CHECKED LGL

BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

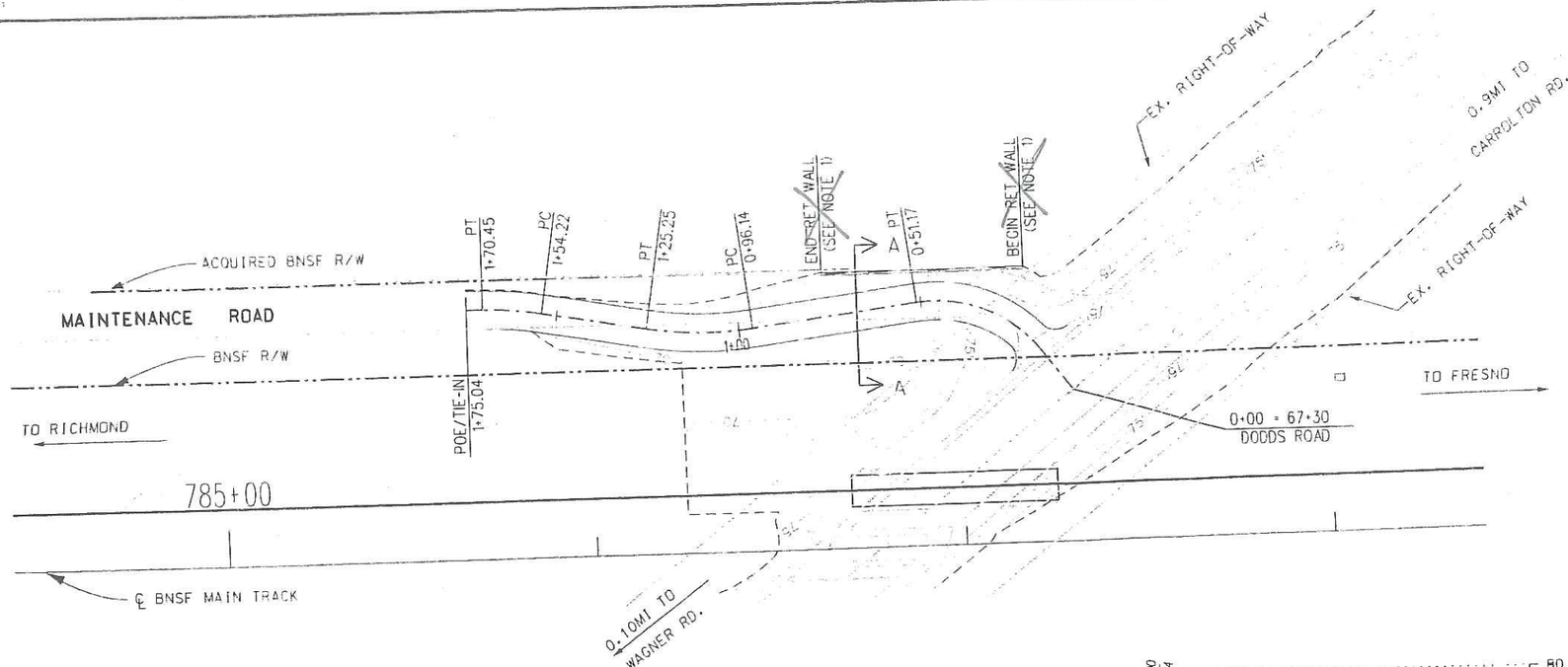
PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
DODDS ROAD
CPUC NO. 2-1108.20 DOT NO. 028-789-V

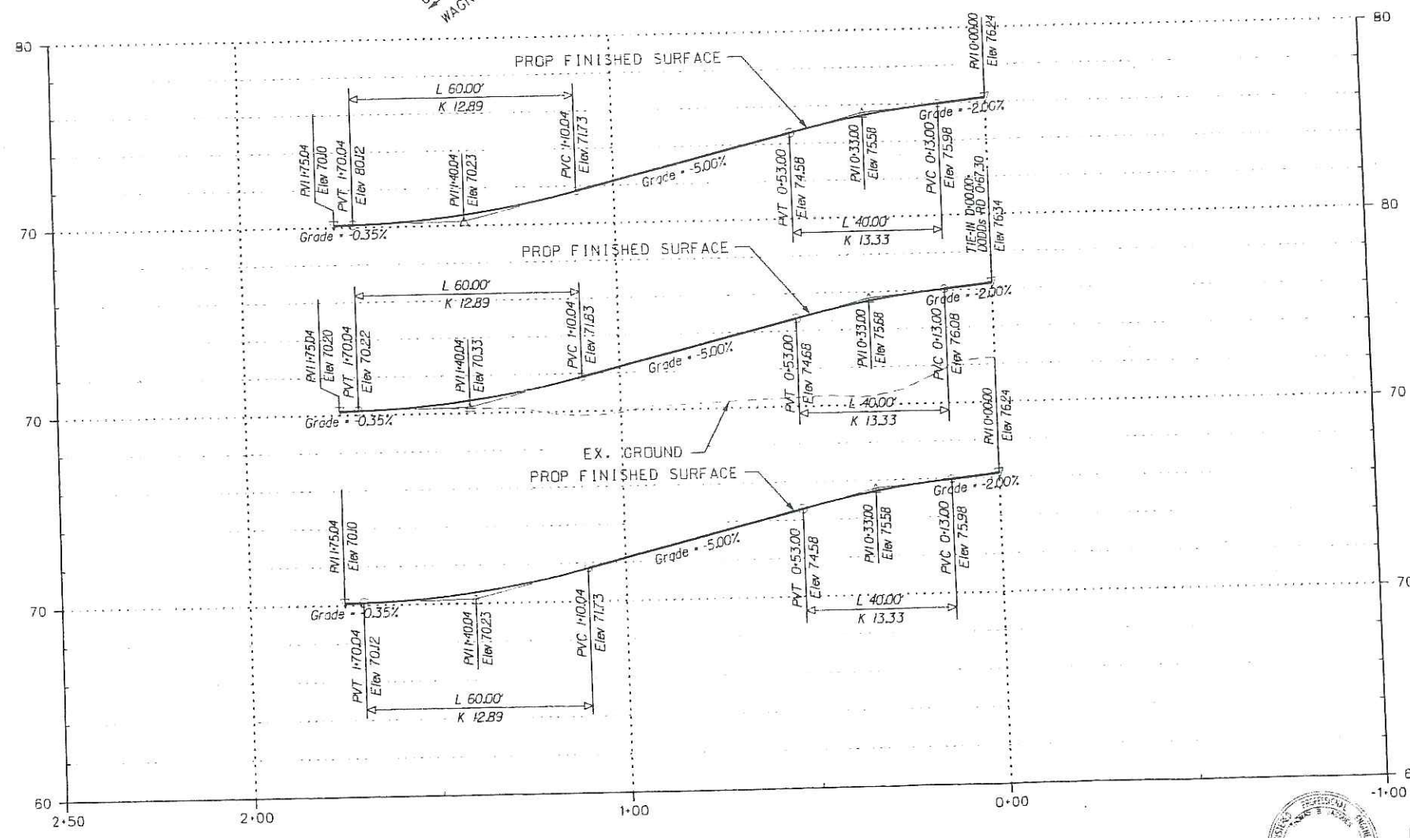
FILE: XGC-10_Plan.dgn

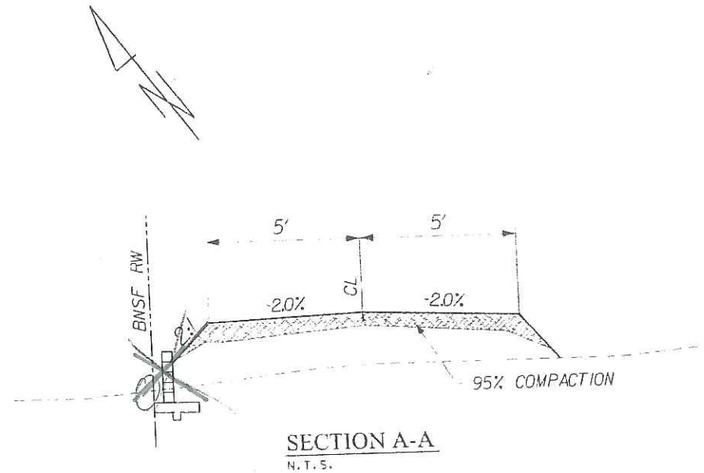
WILSON & COMPANY

FILE NO. GC-10-2

DATE 03-03-14



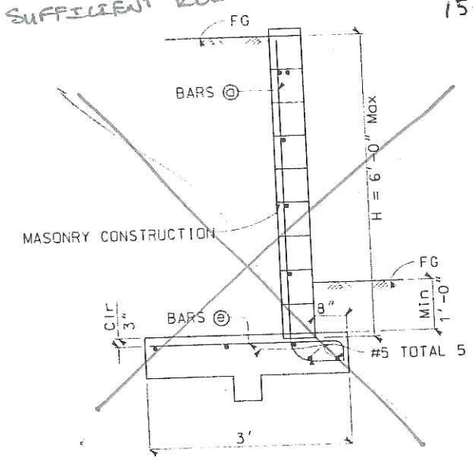




SECTION A-A
N.T.S.

NOT REQUIRED
SUFFICIENT ROW

150 - Blocks



RETAINING WALL TYPE 6B
N.T.S.

NOTES:

1. RETAINING WALL PER CAL-TRANS STANDARD B3-7A TYPE 6B (SEE DETAIL HEREON)

HORIZONTAL SCALE 1" = 20'

VERTICAL SCALE 1" = 4'

BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
MAINTENANCE ROAD AT DODDS ROAD
CPUC NO. 2-1108.20 DOT NO. 028-789-V

FILE: GC-10-3.dgn

3 OF 3

FILE NO GC-10-3

DATE 03-03-14

DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

REVISIONS

NO.	DESCRIPTION	DATE	BY

WILSON & COMPANY

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

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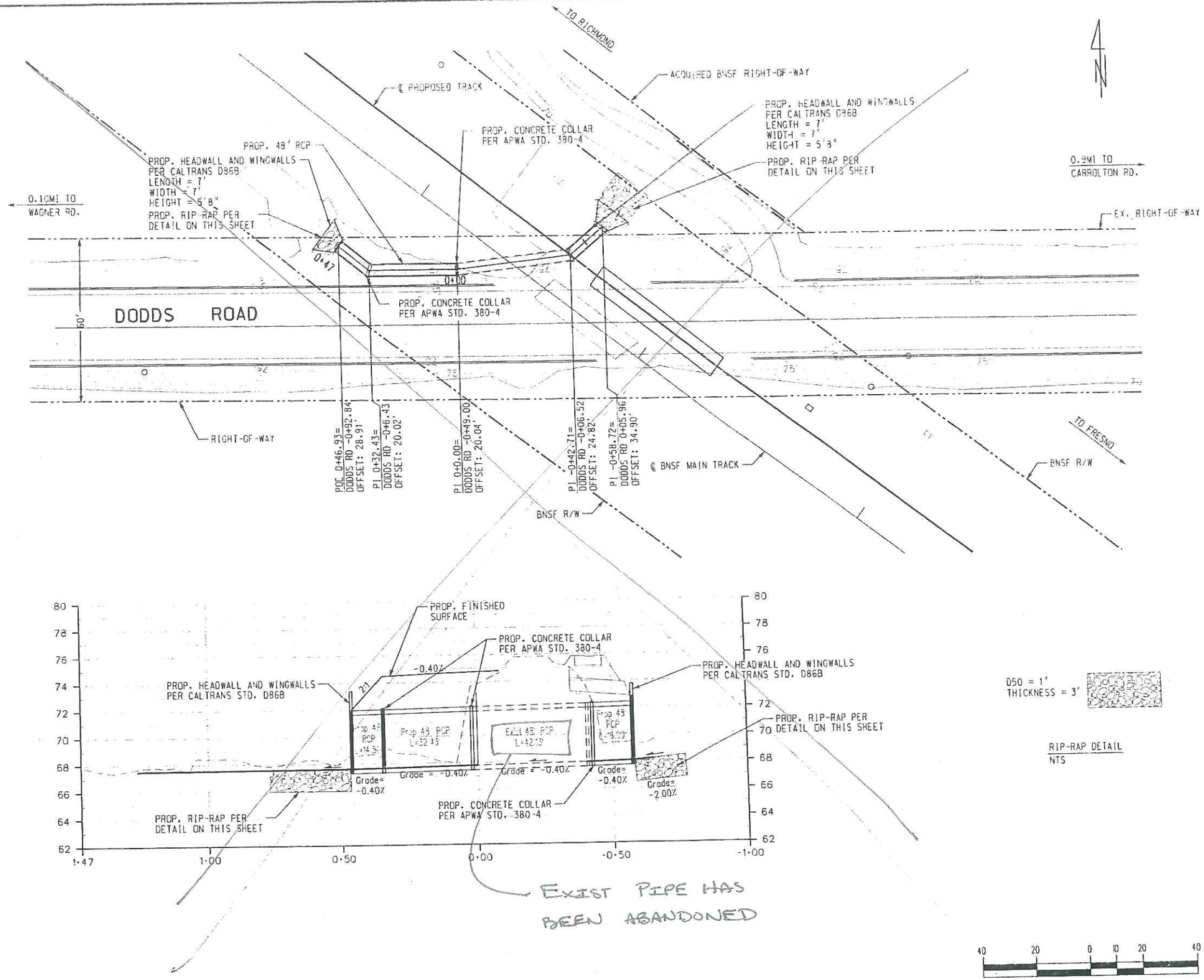

D50 = 1'
THICKNESS = 3'

RIP-RAP DETAIL
NTS

40 20 0 10 20 40
HORIZONTAL SCALE 1" = 20'

8 4 0 2 4 8
VERTICAL SCALE 1" = 4'

BNSF RAILWAY THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED 48" RCP EXTENSION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
DODDS ROAD 48" PIPE EXTENSION
CPUC NO. 2-1108.20 DOT NO. 028-789-V

4 OF 9

REVISIONS			
NO.	DESCRIPTION	DATE	BY

DESIGNED JSF
CHECKED LGL
DRAWN JSF
CHECKED LGL

WILSON & COMPANY

FILE NO. GC-10-4

DATE 03.03.14

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

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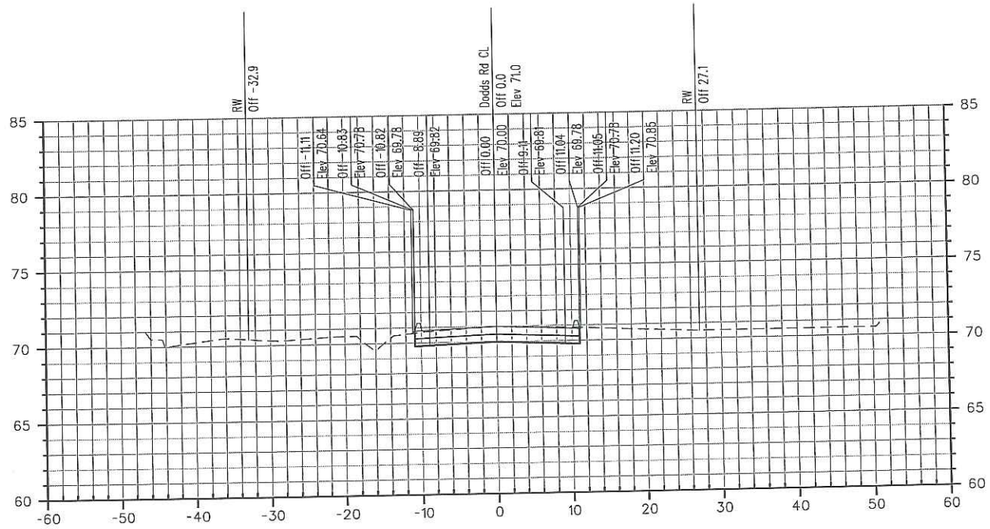
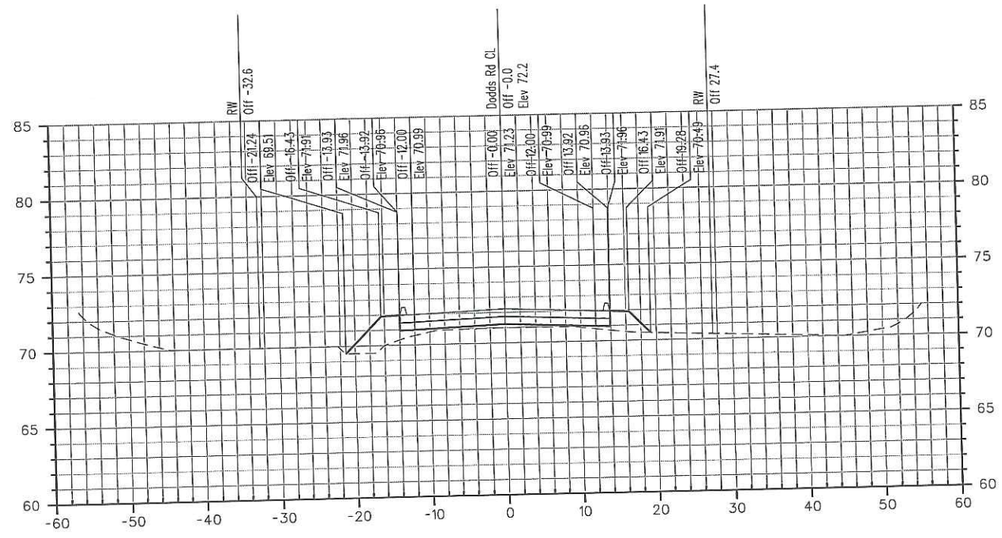
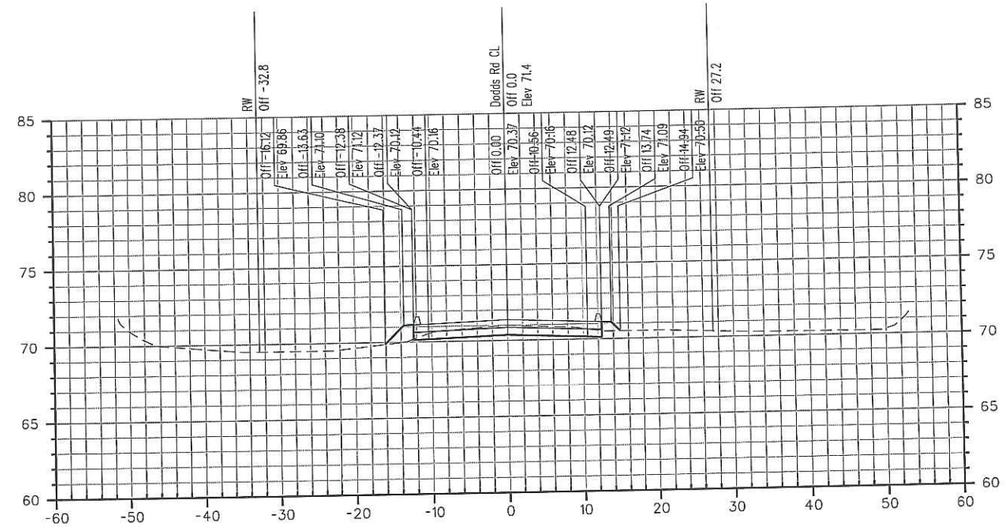


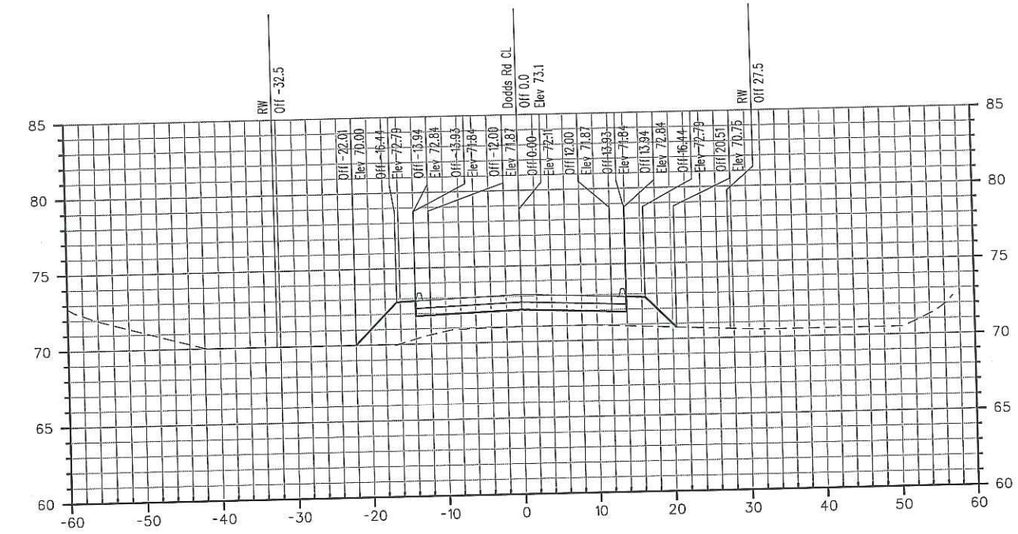
-4+00



-3+00



-3+50



-2+50

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.

HORIZONTAL SCALE: 20 10 0 5 10 20

VERTICAL SCALE: 10 5 0 2.5 5 10

REGISTERED PROFESSIONAL ENGINEER THOMAS B. JACOBS No. 63769 CIVIL STATE OF CALIFORNIA

REVISIONS

NO.	DESCRIPTION	DATE	BY
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BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
DODDS ROAD
CROSS SECTIONS STA -4+00 TO STA -2+50

FILE: Dodds Rd X-sec.ref

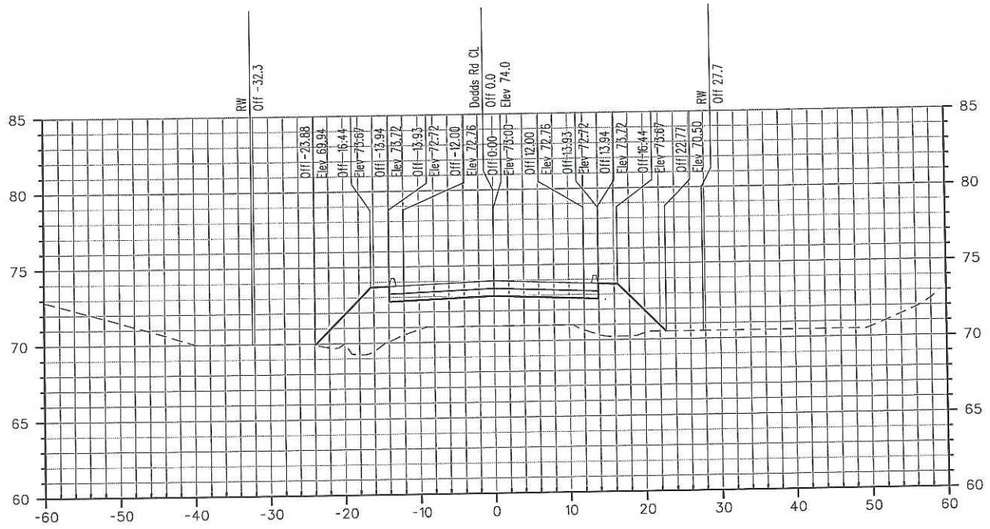
5 OF 9

DESIGNED JSR
CHECKED LGL
DRAWN JSP
CHECKED LGL

WILSON & COMPANY

FILE NO. GC-10-5

DATE 03-03-14



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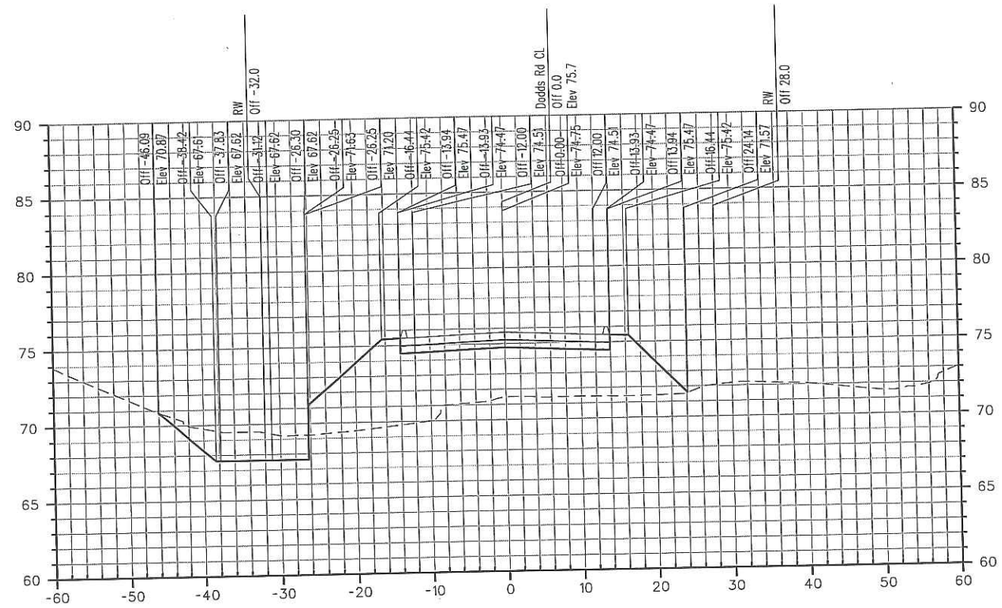
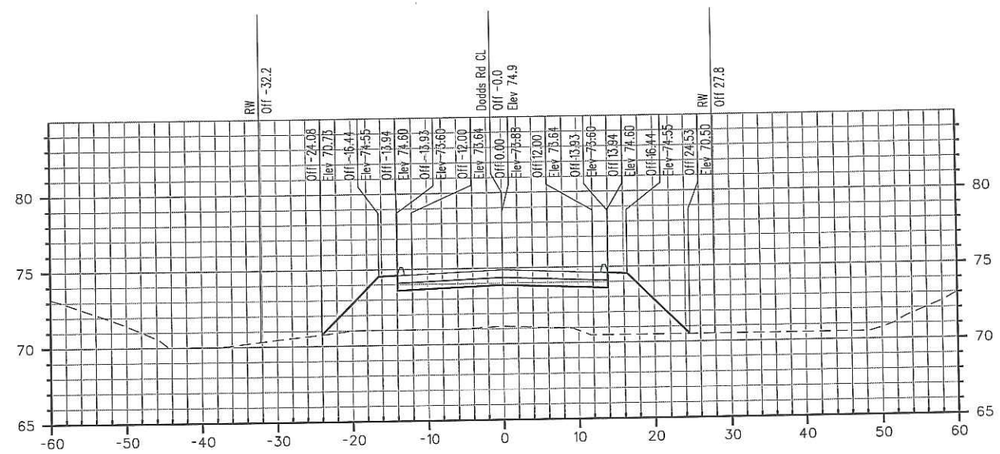


-1+00



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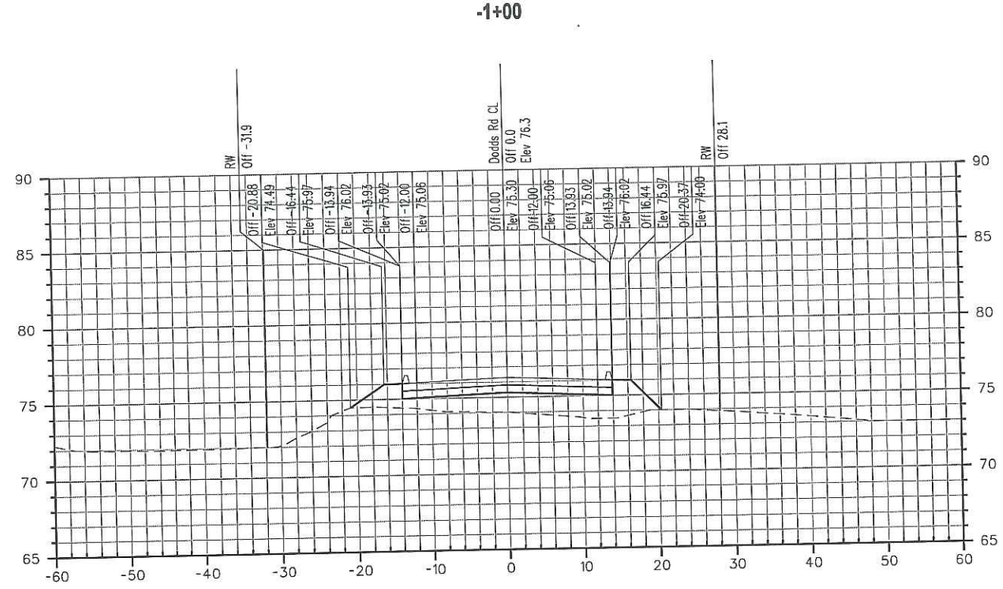

-0+50

HORIZONTAL SCALE

VERTICAL SCALE

REGISTERED PROFESSIONAL ENGINEER THOMAS G. JACOBS No. 63769 CIVIL STATE OF CALIFORNIA

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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DESIGNED JSP
CHECKED LGL
DRAWN JSP
CHECKED LGL

BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
DODDS ROAD
CROSS SECTIONS STA -2+00 TO STA -0+50

FILE:Dodds Rd X-sec.ref

6 OF 9

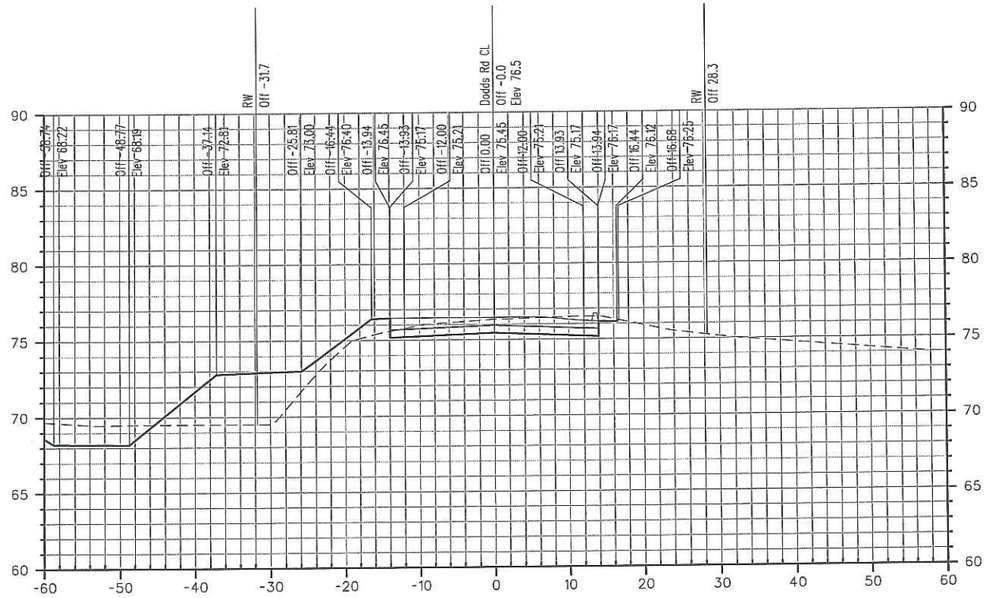
WILSON & COMPANY

FILE NO. GC-10-6

DATE 03-03-14

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.



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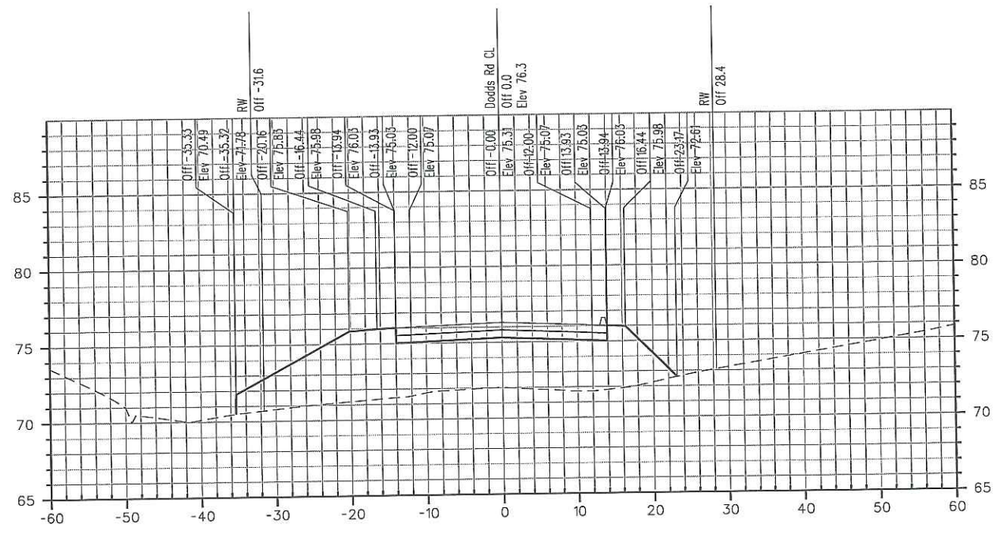

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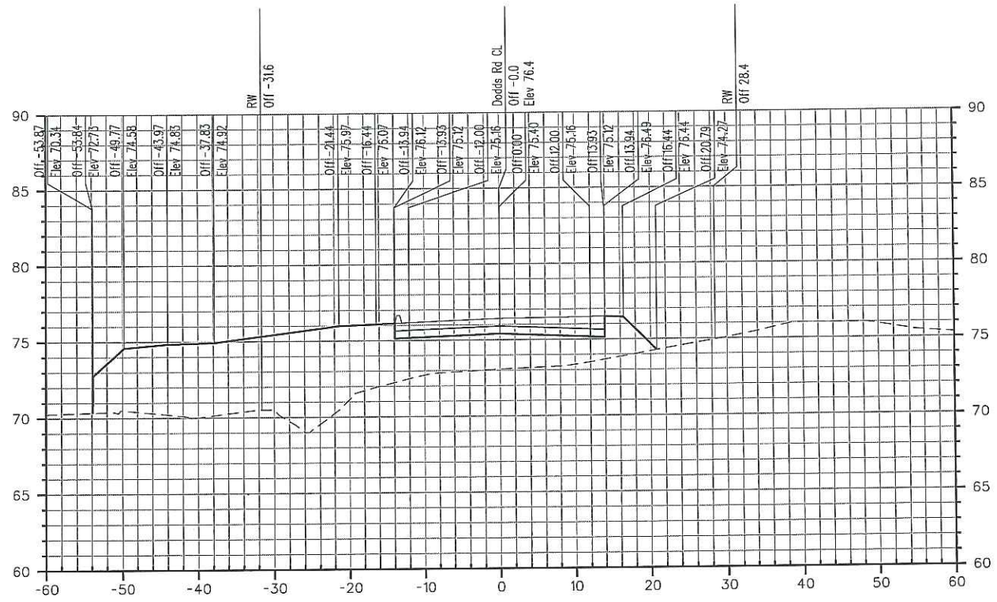

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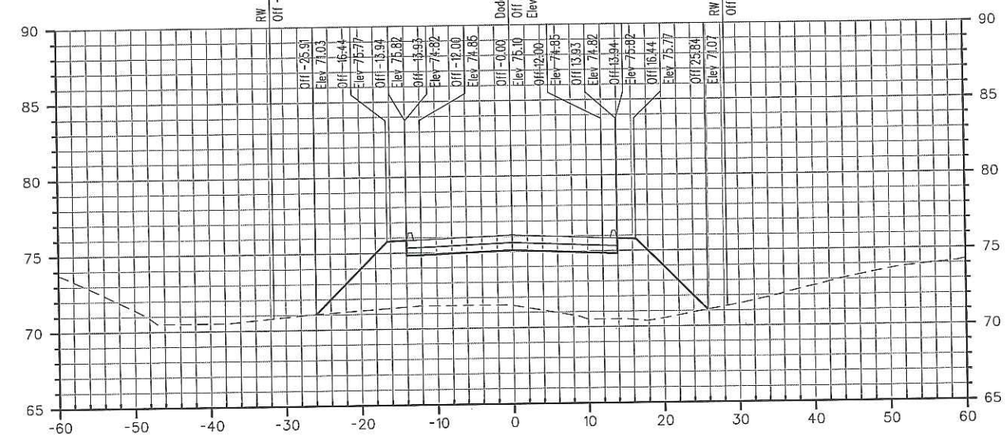

1+00

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

NO FIELD CHANGES WILL BE PERMITTED WITHOUT DIRECT AUTHORIZATION FROM BNSF ENGINEERING DEPT.

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JACOBS
No. 63769
CIVIL
STATE OF CALIFORNIA

BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
DODDS ROAD

CROSS SECTIONS STA 0+00 TO STA 1+00

FILE: Dodds Rd X-sec.ref

7 OF 9

REVISIONS			
NO.	DESCRIPTION	DATE	BY
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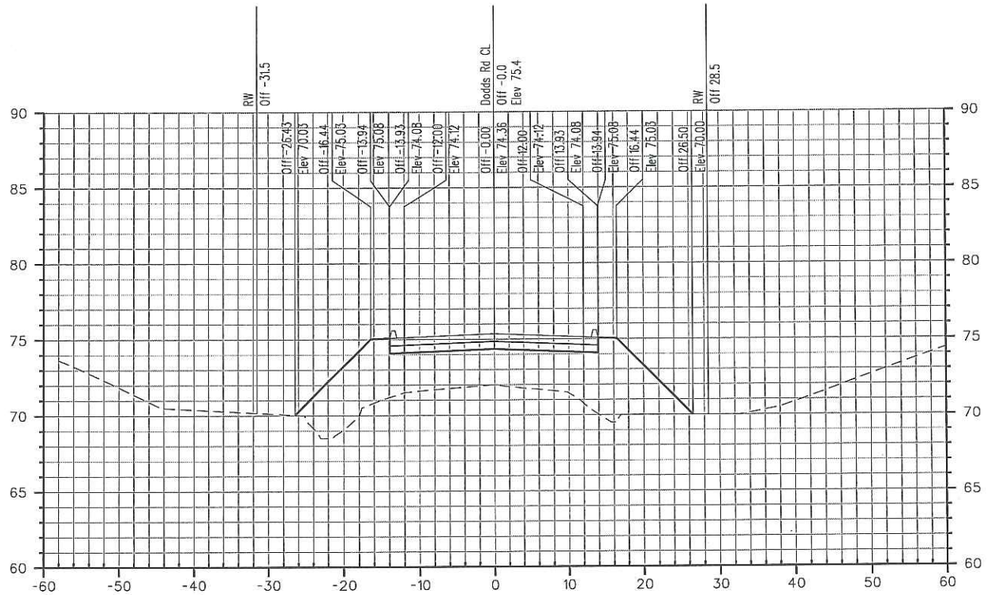
DESIGNED JSP
CHECKED LGL
DRAWN JSP
CHECKED LGL

WILSON & COMPANY

FILE NO. GC-10-7

DATE 03-03-14



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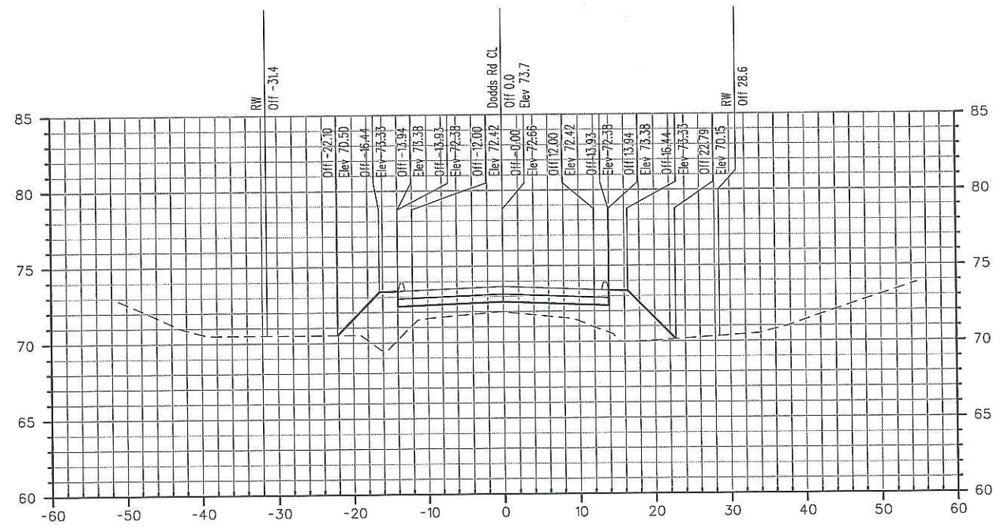
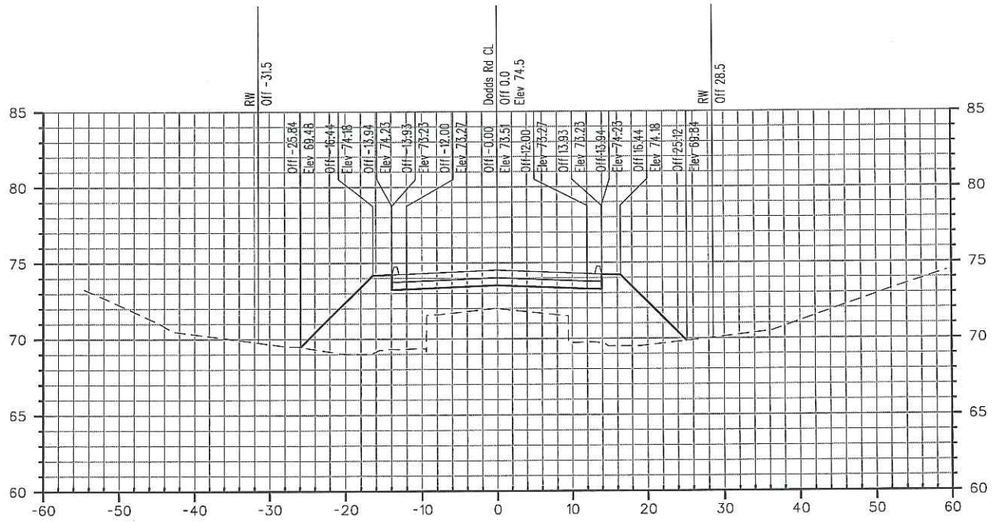


2+50



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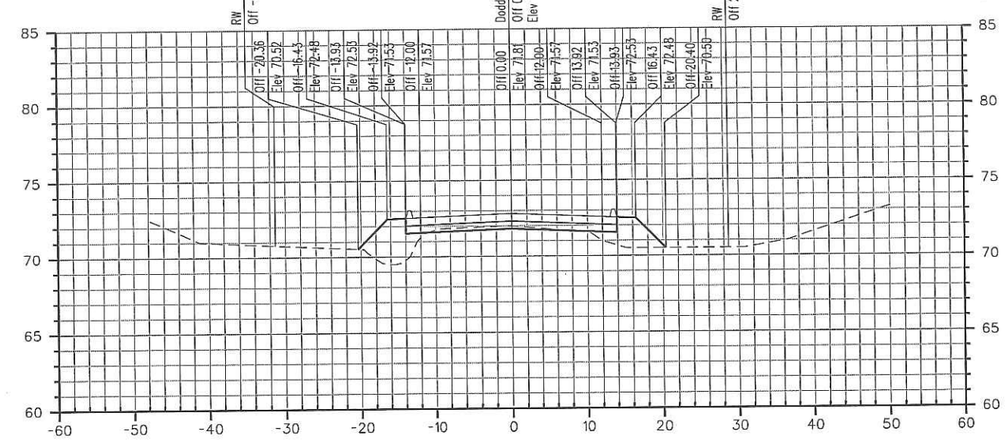

3+00

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HORIZONTAL SCALE
20 10 0 5 10 20

VERTICAL SCALE
10 5 0 2.5 5 10

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JACOBS
No. 63769
CIVIL
STATE OF CALIFORNIA

REVISIONS

NO.	DESCRIPTION	DATE	BY
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BNSF RAILWAY — THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
DODDS ROAD

CROSS SECTIONS STA 1+50 TO STA 3+00

FILE-Dodds Rd X-sec.ref

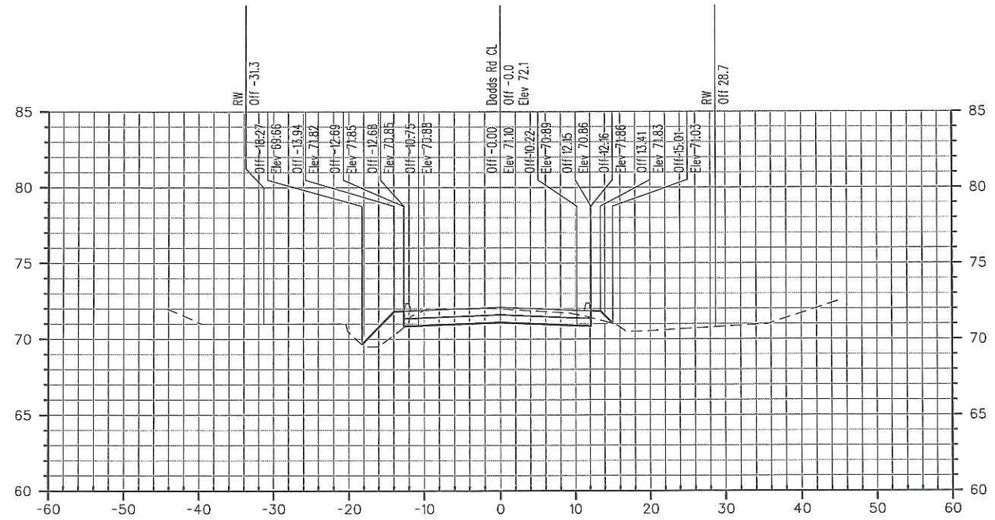
8 OF 9

DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

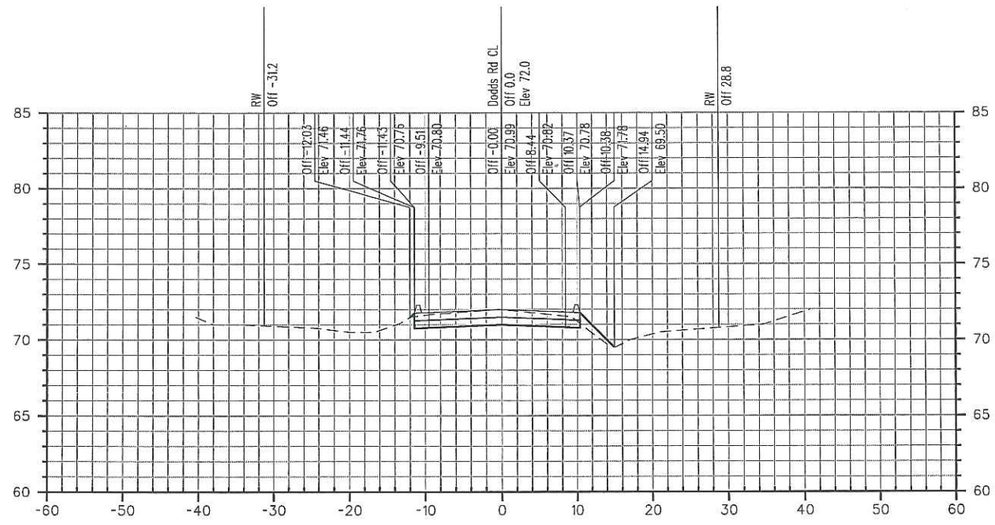
WILSON & COMPANY

FILE NO. GC-10-8

DATE 03-03-14



3+50



4+00

EXISTENCE OF UTILITY AND THEIR LOCATION ARE NOT VERIFIED CONTRACTOR RESPONSIBLE FOR VERIFICATION OF ALL UTILITIES AND RR SIGNALS AND COMMUNICATION EQUIPMENT

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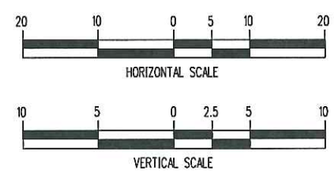

REGISTERED PROFESSIONAL ENGINEER
THOMAS B. JACOBS
No. 63769
CIVIL
STATE OF CALIFORNIA

REVISIONS

NO.	DESCRIPTION	DATE	BY
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-	-	-	-
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DESIGNED JSR
CHECKED LGL
DRAWN JSR
CHECKED LGL

BNSF RAILWAY THE BURLINGTON NORTHERN AND SANTA FE RAILWAY COMPANY

PROPOSED GRADE CROSSING ALTERATION
ESCALON TO STOCKTON, CA
CAPACITY IMPROVEMENT PROJECT
DODDS ROAD
CROSS SECTIONS STA 3+50 TO STA 4+00

FILE:Dodds Rd X-sec.ref

9 OF 9

WILSON & COMPANY

FILE NO. GC-10-9

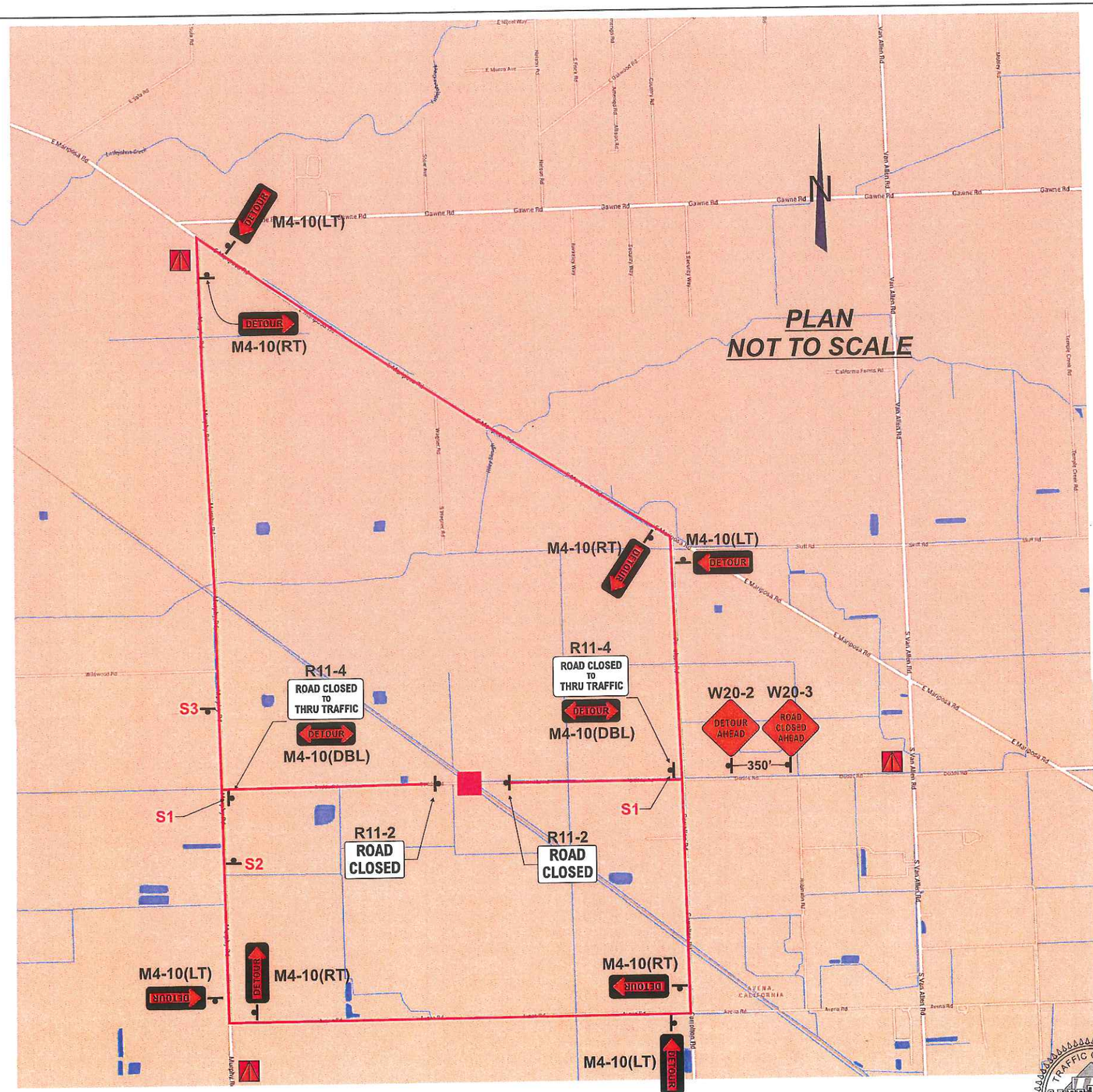
DATE 03-03-14

S1	S2	S3
DODDS RD CLOSED 11/10/14 THRU 11/21/14 AT R.R. XING USE DETOUR	EAST BOUND DODDS RD CLOSED AT R.R. XING USE MARIPOSA RD DETOUR	EAST BOUND DODDS RD CLOSED AT R.R. XING USE AVENA RD DETOUR

PROPOSED MESSAGES TO BE DISPLAYED ON CMS BOARD WHICH WILL BE IN PLACE AS INDICATED ON TCP

DODDS ROAD	RAIL RD XING CLOSED	11/10/14 TO 11/21/14	USE ALTRNATE ROUTE
1ST SCREEN	2ND SCREEN	3RD SCREEN	4TH SCREEN

CHANGEABLE MESSAGE BOARD



ALL ADVANCE WARNING SIGNS SHALL BE REFLECTIVE AND SHALL BE MOUNTED ON FLAG STANDS WITH FLAGS.

TYPE 3 BARRICADE WITH SIGN MOUNTED (EXAMPLE)

TYPE 1 BARRICADE WITH SIGN MOUNTED (EXAMPLE)

NOTE:
ALL BARRICADES SHALL HAVE FLASHING LIGHTS MOUNTED ON THEM IF LEFT OVERNIGHT.

S3 S4 S5
SIGNS SHALL BE IN PLACE A MINIMUM 5 WORK DAYS PRIOR TO ROAD CLOSURE.
40"
48"

SIGN LEGEND

W20-2	DETOUR AHEAD
W20-3	ROAD CLOSED AHEAD
R11-2	ROAD CLOSED
R11-4	ROAD CLOSED TO THRU TRAFFIC
M4-8A	END DETOUR
M4-10(RT)	DETOUR RIGHT
M4-10(LT)	DETOUR LEFT
SC3(CA)	DETOUR STRAIGHT

LEGEND
SIGN PLACEMENT
DODDS RD WORK LOCATION

PHASE 2

TYPE OF TRAFFIC CONTROL: TEMPORARY ROAD CLOSURES

PROPOSED WORK SCHEDULE: 11/10/14 thru 11/21/14

PLAN DRAWN BY: ALBERTO DELGADO
TRAFFIC CONTROL SUPERVISOR
1-800-851-6262
209-522-8913

PLAN PROVIDED BY:
SAFETY LITE
Construction, Engineering, Safety Supplies & Signs
Sales Rentals Service
1051 N. EMERALD AVE, MODESTO, CA 95351
C31 LICENSED CONTRACTOR
LICENSE NO. 788082

TRAFFIC CONTROL PLAN FOR:
BURLINGTON NORTHERN SANTA FE
RAIL XING IMPROVEMENTS
DODDS ROAD
SAN JOAQUIN COUNTY, CA

CONTRACTOR:
T & S INTERMODAL, INC.
P.O. BOX 1592
LINDEN, CA 95236
CONTACT:
SAMMY COX
(916)416-7781
E-MAIL sammycox@tandsinc.us

PLAN SHEET# TCP 4