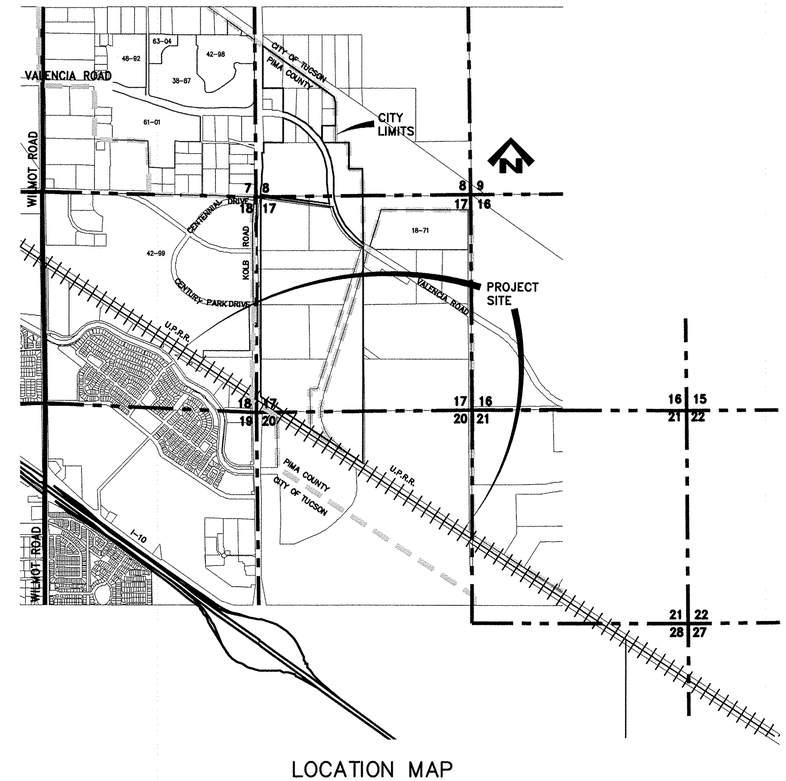
PRIVATE GRADING PLANS
FOR
CENTURY PARK

GENERAL GRADING NOTES

1. ALL CONSTRUCTION AND TEST METHODS SHALL BE IN ACCORDANCE TO PIMA COUNTY–CITY OF TUCSON STANDARDS AND SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, (PC/COT SSPI) 2003 EDITION.
2. ALL WORK SHALL CONFORM TO GRADING STANDARDS, CHAPTER 18.81 OF PIMA COUNTY ZONING CODE.
3. A COPY OF APPROVED PLANS SHALL BE KEPT IN AN EASILY ACCESSIBLE LOCATION ON THE SITE AT ALL TIMES DURING CONSTRUCTION.
4. A GEOTECHNICAL ENGINEERING INVESTIGATION, INCLUDING RECOMMENDATIONS FOR GRADING PROCEDURES HAS BEEN PREPARED BY PATTISON EVANOFF ENGINEERING, LLC. EARTHWORK SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN SAID REPORT, PROJECT #08–219, DATED AUGUST 28, 2008.
5. THE SOILS ENGINEER SHALL OBSERVE, INSPECT AND TEST EARTHWORK OPERATIONS, INCLUDING BUT NOT LIMITED TO: CLEARING, GRUBBING, SUBGRADE PREPARATION, STRUCTURAL AND TRENCH EXCAVATION AND BACKFILL, TOGETHER WITH PLACEMENT AND COMPACTION OF FILL.
6. THIS PLAN IS TO BE USED FOR GRADING CONSTRUCTION ONLY. CONTRACTOR SHALL USE OTHER SPECIFIC IMPROVEMENT PLANS FOR IMPROVEMENTS OTHER THAN GRADING.
7. THE BASIS OF BEARING: THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 17, T–15–S, R–15–E. SAID BEARING BEING N 00°35'01".
8. BASIS OF ELEVATION: CITY OF TUCSON GEODETIC CONTROL POINT N05 (JN05), BEING AN ADOT 3" BRASS DISK IN A CASTING LOCATED IN THE MEDIAN OF KOLB ROAD, APPROXIMATELY 200 FEET SOUTH OF THE UPRR OVERPASS BRIDGE. SAID ELEVATION BEING 2830.50 FT., NAVD88.
9. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. CALL BLUESTAKE (1–800–STAKE–IT) TWO FULL WORKING DAYS PRIOR TO EXCAVATION.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, HAUL AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY. THE COST THEREOF IS TO BE INCLUDED IN THE GRADING CONSTRUCTION PRICE.
11. CONTRACTORS SHALL OBTAIN ALL PERMITS REQUIRED BY GOVERNMENTAL AGENCIES.
12. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL REGULATIONS AND REQUESTS BY THE PIMA COUNTY REGARDING DUST POLLUTION.
13. ALL GRADES SHOWN ARE FINISH GRADES.
14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CALCULATE HIS OWN EARTHWORK QUANTITIES AND SUBMIT HIS BID BASED THEREON. IMPORTED FILL MATERIAL, HAULING/HANDLING AND COMPACTION TO BE INCLUDED IN EARTHWORK BID.
15. COMPACTION IN ALL AREAS SHALL BE TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO DESIGNATION T–99, METHOD A. THOSE AREAS TO RECEIVE FILL ARE TO BE SCARIFIED TO A DEPTH OF SIX (6) INCHES, BROUGHT TO THE PROPER MOISTURE CONTENT AND COMPACTED TO THE TO THE REQUIRED DENSITY. THE AREA SOURCE OF FILL MATERIAL SHALL BE APPROVED BY THE OWNER PRIOR TO COMMENCEMENT OF WORK. TESTS OF FILL MATERIAL WILL BE DONE AT PORT OF TUCSON EXPENSE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE, MAINTENANCE, REPAIR OR REPLACEMENT OF EXISTING IMPROVEMENTS IN THE WORK AREA WHICH HAVE BEEN REMOVED OR DAMAGED DURING THE COURSE OF CONSTRUCTION. ALL REPAIR, REPLACEMENT, OR CLEANUP SHALL BE DONE TO THE SATISFACTION OF PORT OF TUCSON.
17. CONTOUR LINES ON THE GRADING PLAN ARE TO BE USED FOR ROUGH GRADING. SPOT ELEVATIONS ARE TO BE USED FOR FINE GRADING.
18. ALL REVISIONS TO THESE PLANS MUST BE APPROVED PRIOR TO CONSTRUCTION.
19. IF UNANTICIPATED CONDITIONS ARE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION AND ARE BEYOND THE SCOPE OF THE DESIGN, THE PORT OF TUCSON SHALL SUBMIT THE NECESSARY REVISED OR SUPPLEMENTAL IMPROVEMENT PLANS FOR REVIEW AND APPROVAL.
20. UPON COMMENCEMENT OF WORK, TRAFFIC CONTROL DEVICES SHALL BE POSTED AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS THE WORK IS COMPLETED. ALL WARNINGS SIGNS, BARRICADES, ETC. SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ADOPTED BY THE STATE OF ARIZONA CONTROL PURSUANT TO A.R.S. 28–650.
21. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIVE REGULATIONS.
22. ALL GRADING WORK (EXCEPT PAD #2) TO BE WITHIN UPRR RIGHT OF WAY.
23. ANY RELOCATION, MODIFICATION, ETC., OF THE EXISTING UTILITIES AND/OR PUBLIC IMPROVEMENTS REQUIRED BY THIS DEVELOPMENT WILL BE AT NO EXPENSE TO THE PUBLIC.



LOCATION MAP

SW 1/4 OF SECTION 8, SW 1/4 OF SEC. 17
AND N 1/2 OF SEC. 20
T–15–S, R–15–E, G&SRM, PIMA COUNTY, ARIZONA
SCALE: 3" = 1 MILE

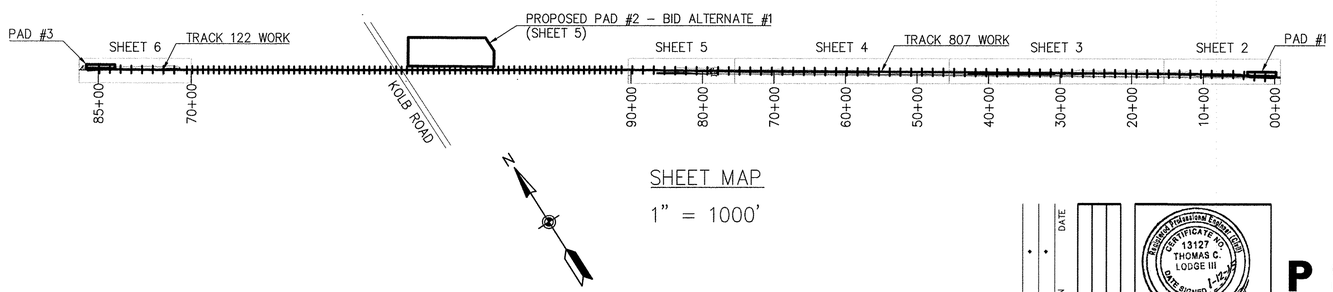
LEGEND

— 2850 — CONTOUR

RAIL ROAD TRACKS

INDEX OF SHEETS

SHEET 1	COVER/NOTES
SHEET 2–6	PLAN SHEETS
SHEET 7–13	CROSS SECTIONS



SHEET MAP

1" = 1000'

NO.	REVISION	DATE
•		
•		

DRAWN BY:
DESIGNED BY:
CHECKED BY:

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
CERTIFICATE NO. 13127
THOMAS C. LODGE III
DATE SIGNED 1-12-15
ARIZONA, U.S.A.
Expires 6/30/15

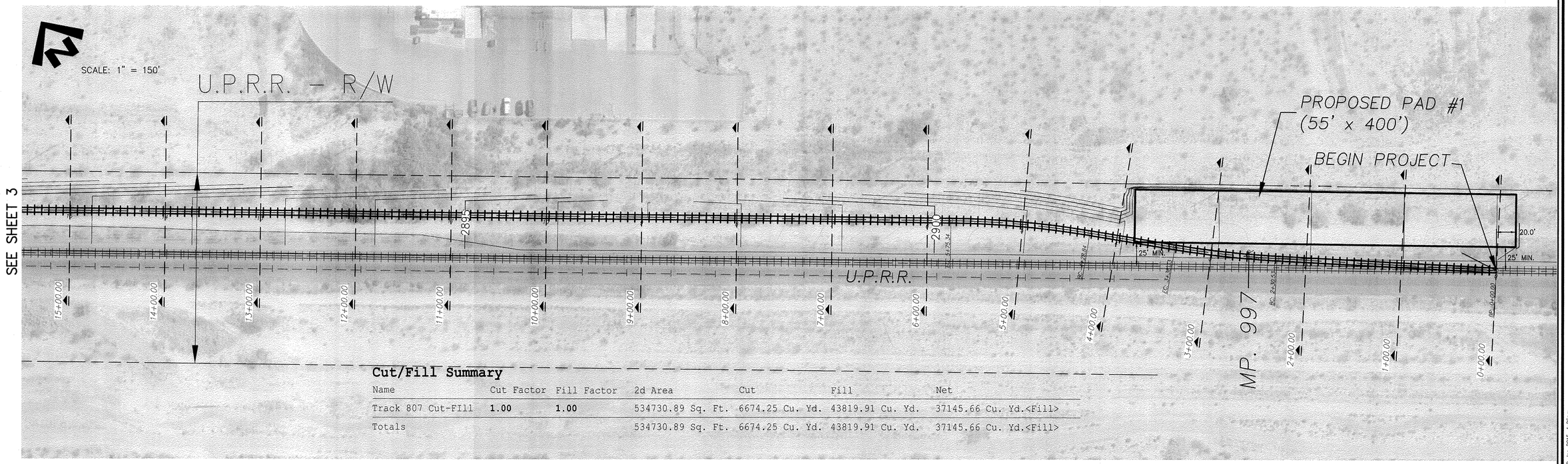
PSOMAS
333 E. Wetmore Road, Suite 450
Tucson, AZ 85705
(520) 292–2300 (520) 292–1290 fax
www.psomas.com

GRADING PLANS
FOR
CENTURY PARK
AB MAINLINE RAILROAD

PROJ No: 7LEV070209 SCALE: HORIZ 1" = 1000'
DATE: 1/2/15 VERT 1" = N/A

Call at least two full working days before you begin excavation.
ARIZONA 811
Arizona Blue Stake, Inc.
Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

J:\070202\02\ENGR\DESIGN\GRAD\Grading Combined Set\ACAD-RAILROAD-COVER.dwg 1 Chris Leon Mon, 12 Jan 2015, 1:38pm Last Saved By: ChrisLeon



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CENTURY PARK

AB MAINLINE RR GRADING

DATE: JAN. 2, 2015 PSOMAS JOB 7LEV070209 (07002-09) SHEET 2 OF 13

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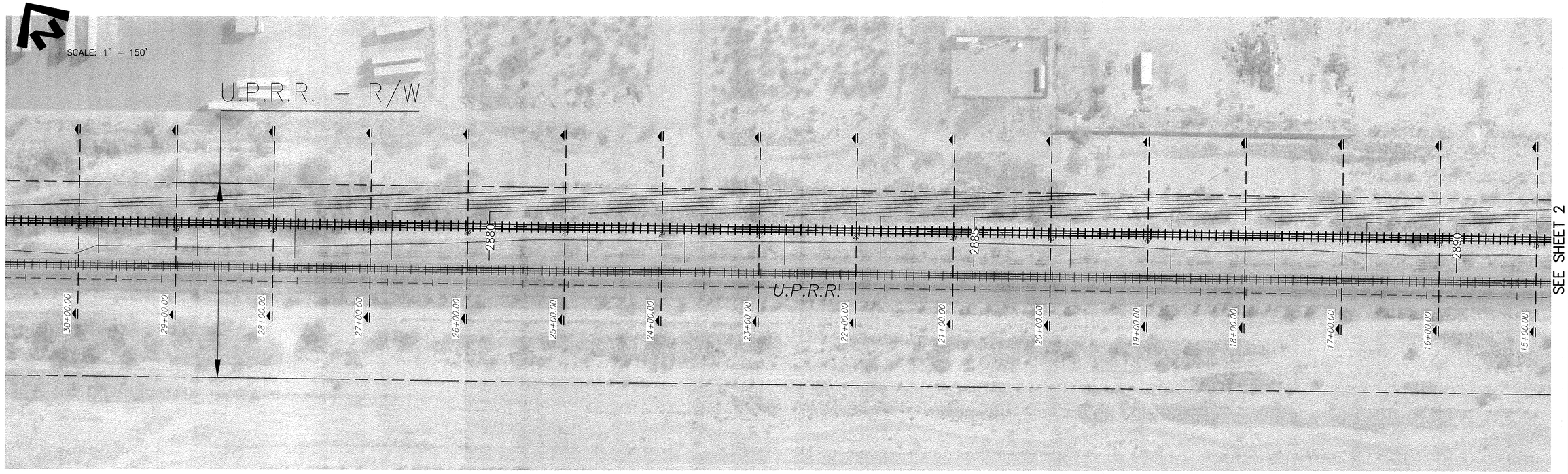

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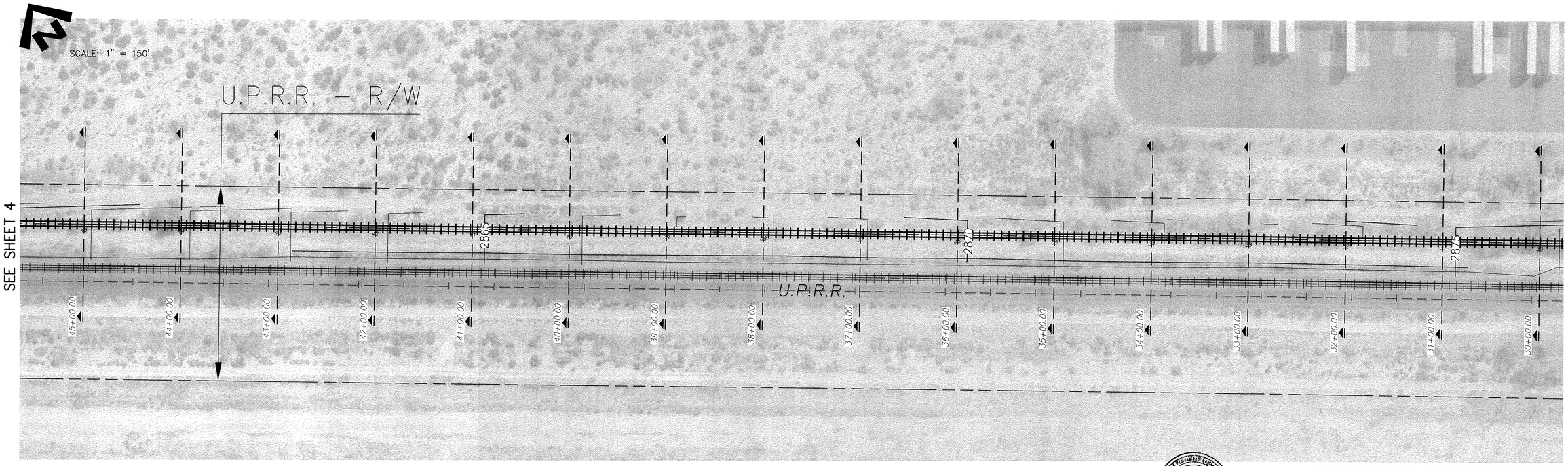

SEE SHEET 4

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DATE: JAN. 2, 2015 PSOMAS JOB 7LEV070209 (07002-09) SHEET 3 OF 13

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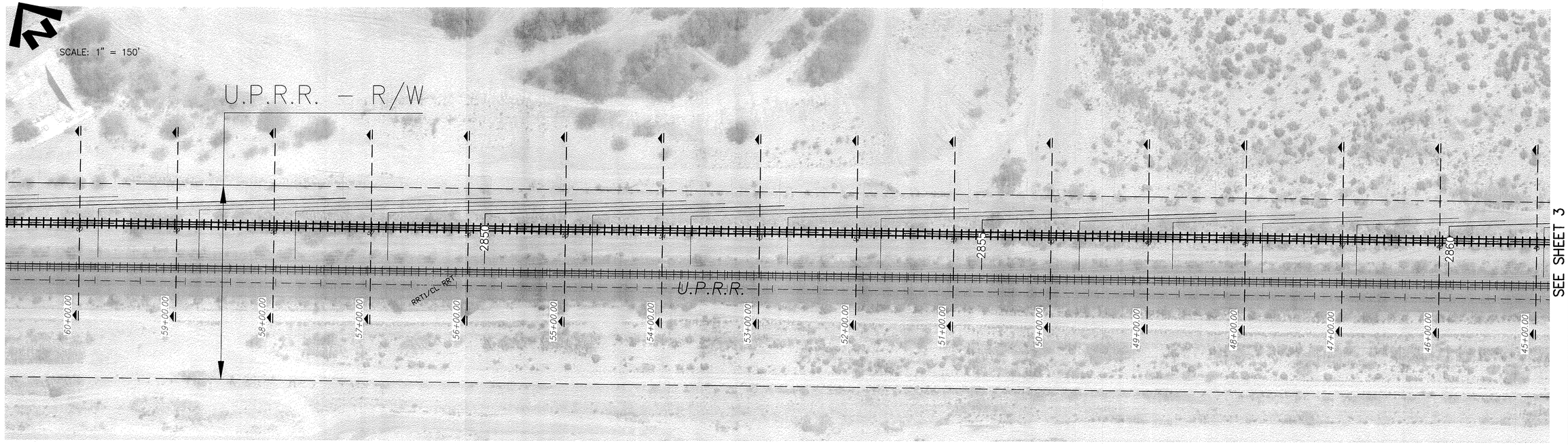

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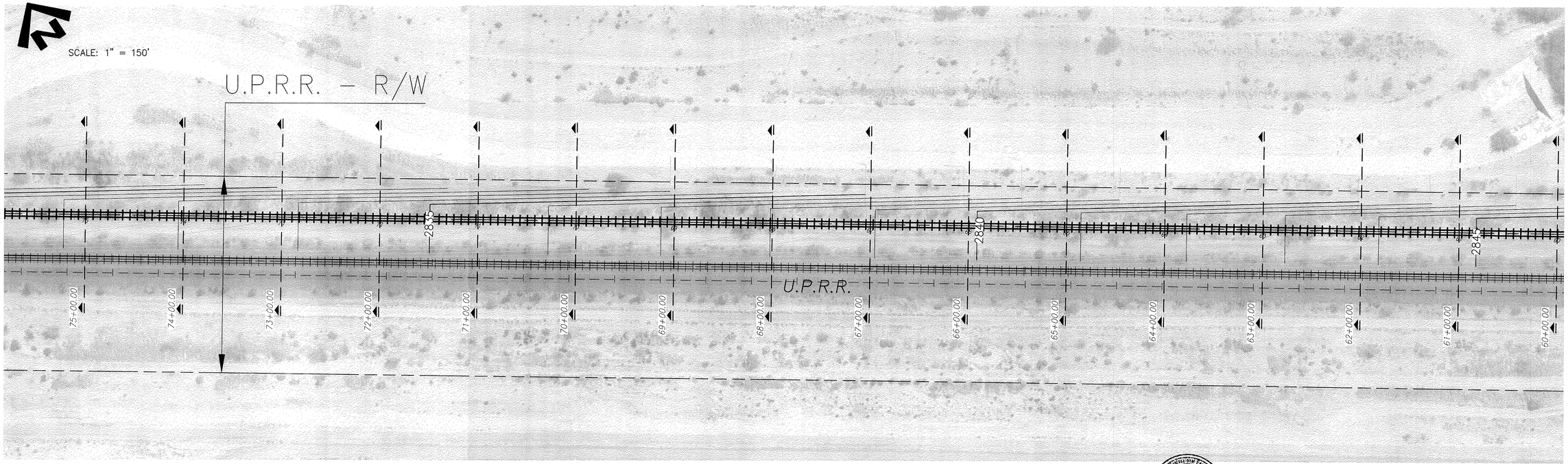

SEE SHEET 5

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DATE: JAN. 2, 2015 PSOMAS JOB 7LEV070209 (07002–09) SHEET 4 OF 13

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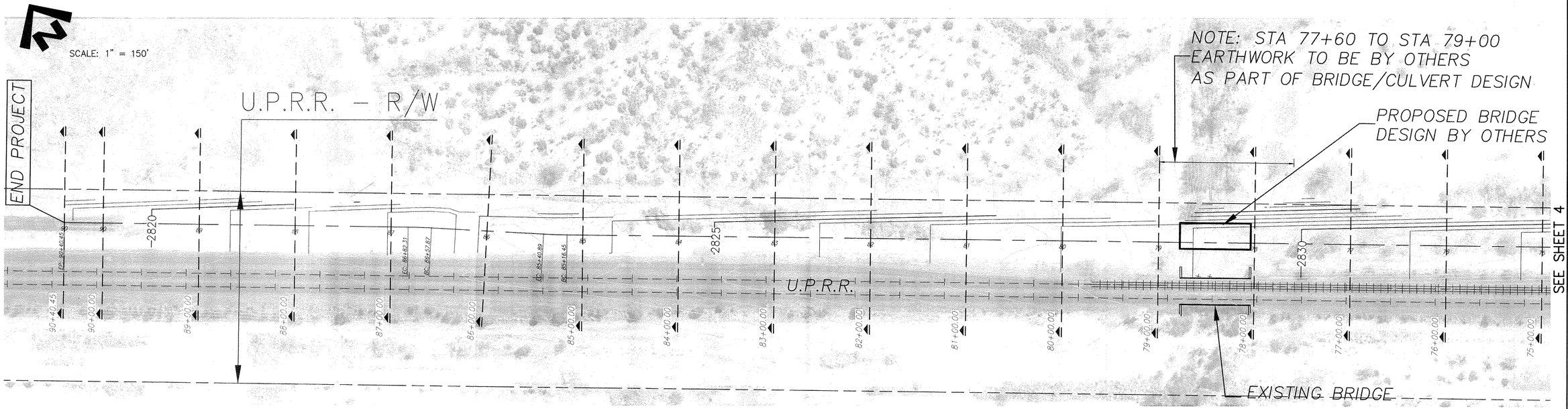

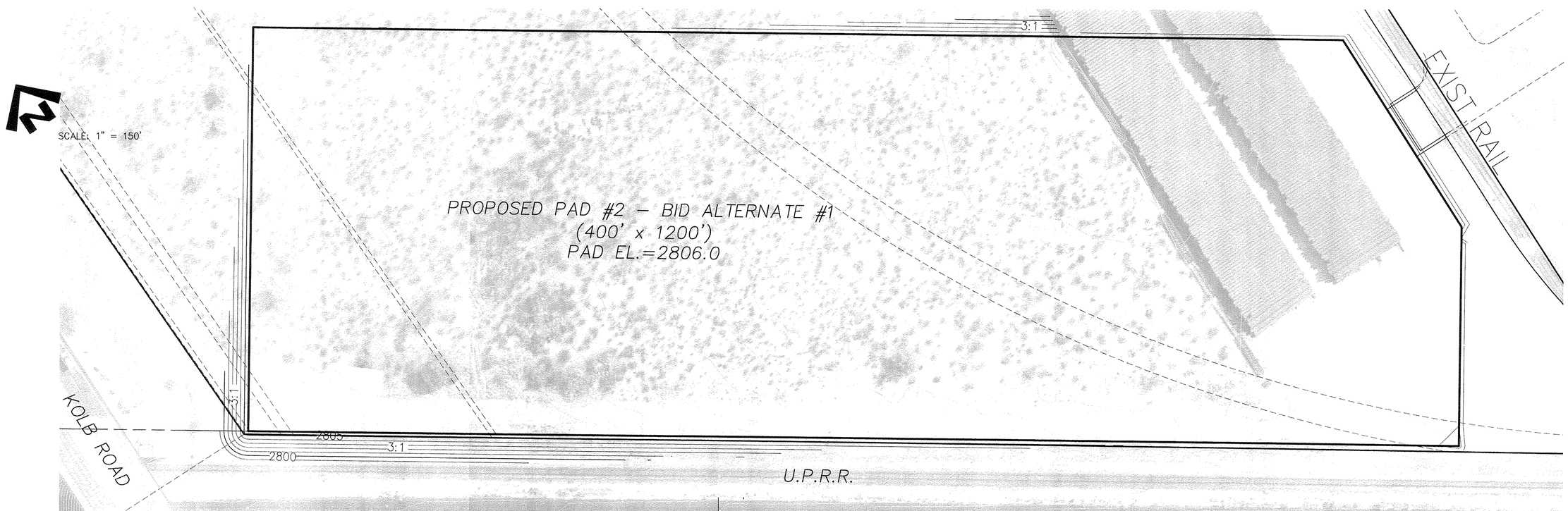

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DATE: JAN. 2, 2015 PSOMAS JOB 7LEV070209 (07002-09) SHEET 5 OF 13

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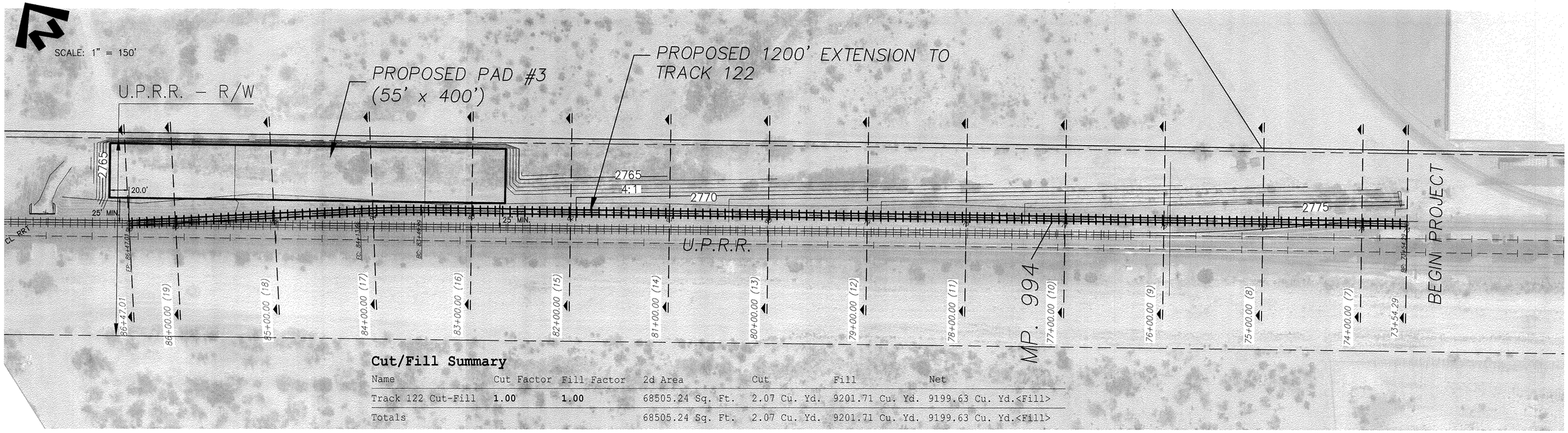

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CENTURY PARK

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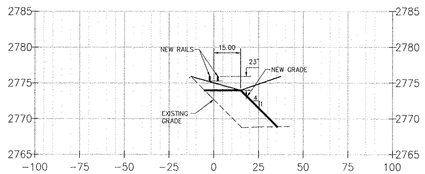

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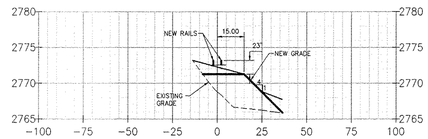

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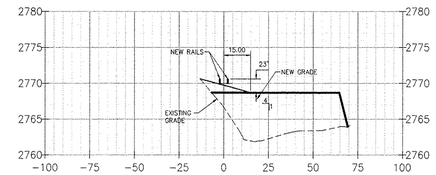

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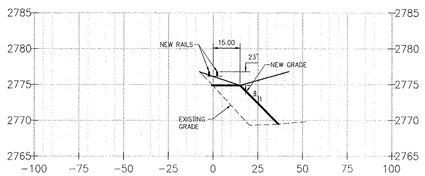

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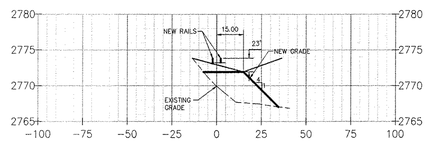

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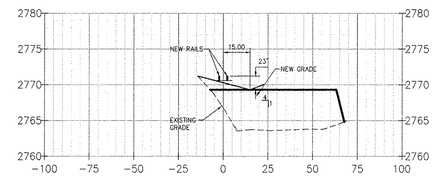

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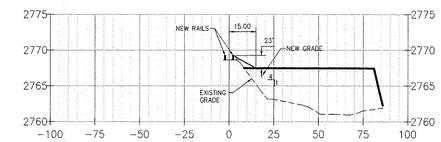

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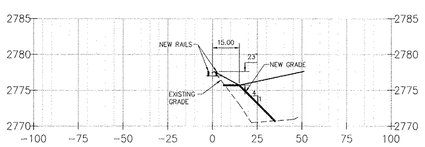

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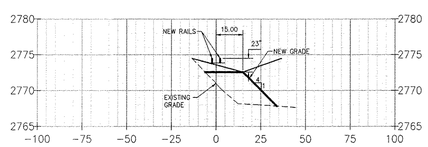

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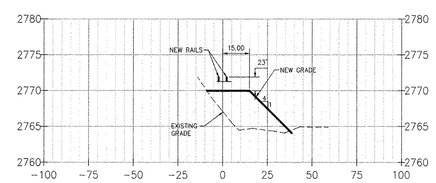

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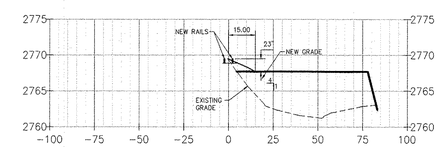

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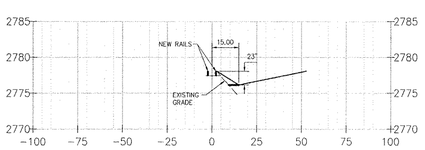

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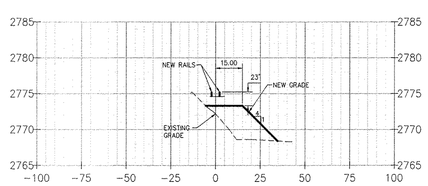

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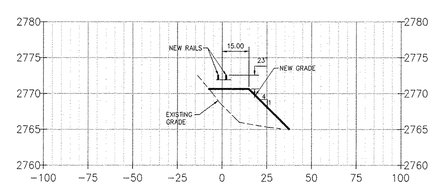

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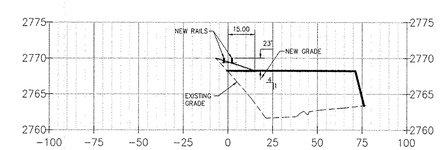

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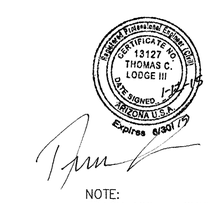

NOTE:
TRACK 122 – SHEET 7
TRACK 807 – SHEET 8–13

SCALE: H: 1" = 40'
V: 1" = 4'

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CENTURY PARK

AB MAINLINE RR GRADING CROSS SECTIONS

DATE: JAN. 2, 2015 PSOMAS JOB 7LEV070209 (07002–09) SHEET 7 OF 13

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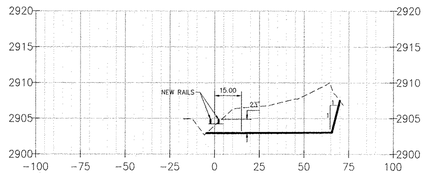

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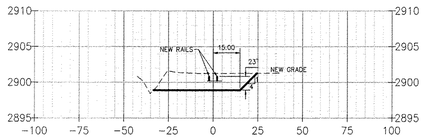

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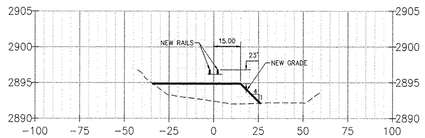

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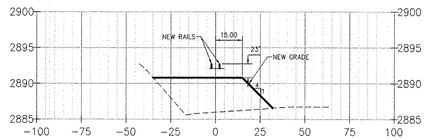

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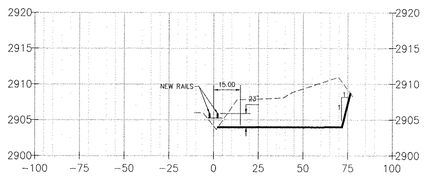

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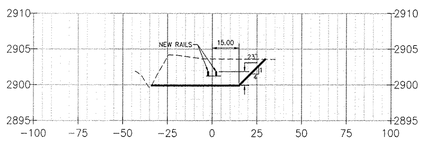

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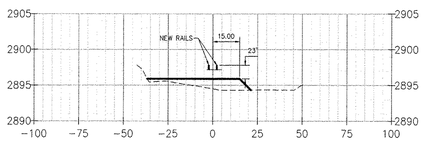

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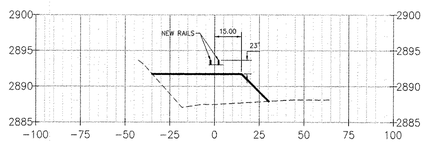

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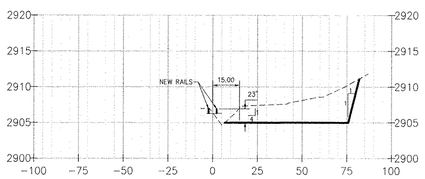

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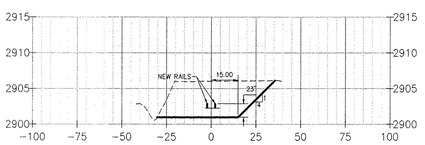

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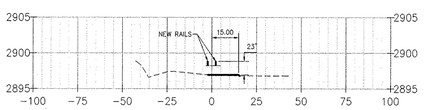

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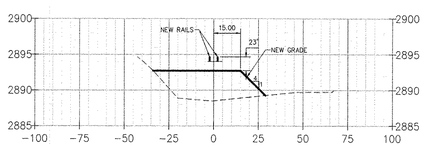

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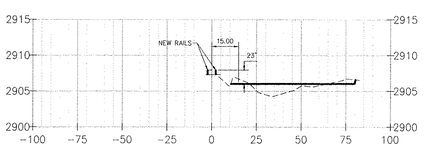

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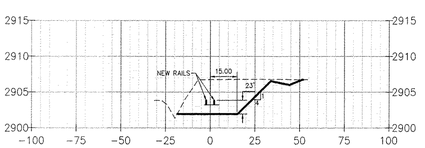

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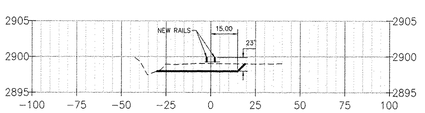

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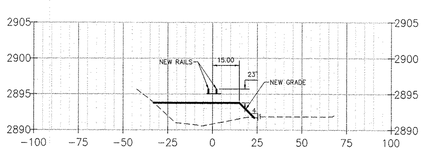

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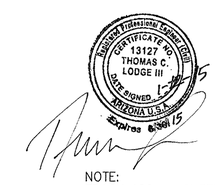

NOTE:
TRACK 122 – SHEET 7
TRACK 807 – SHEET 8–13

SCALE: H: 1" = 40'
V: 1" = 4'

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AB MAINLINE RR GRADING CROSS SECTIONS

DATE: JAN. 2, 2015 PSOMAS JOB 7LEV070209 (07002–09) SHEET 8 OF 13

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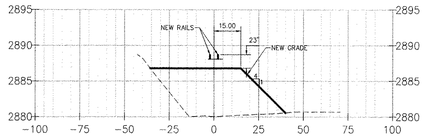

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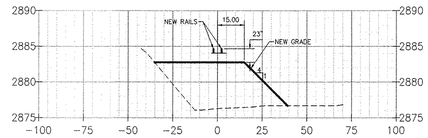

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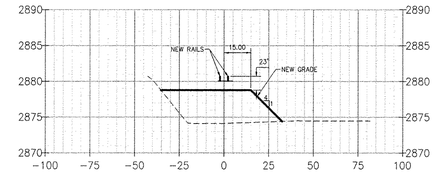

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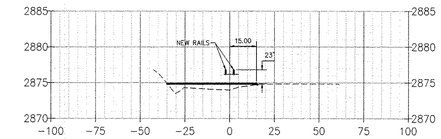

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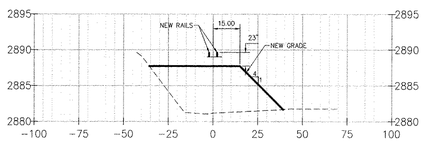

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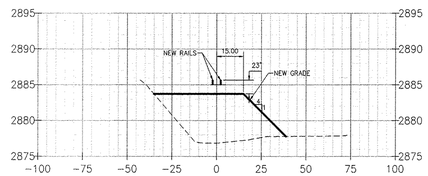

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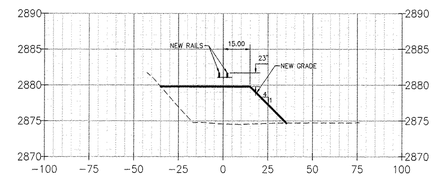

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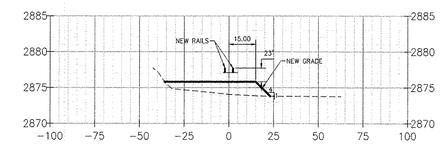

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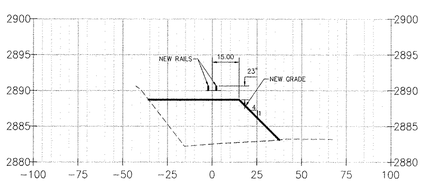

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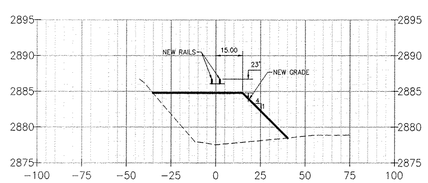

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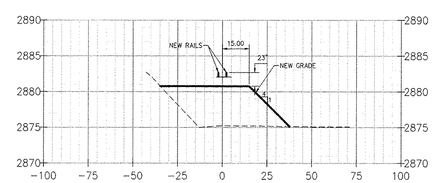

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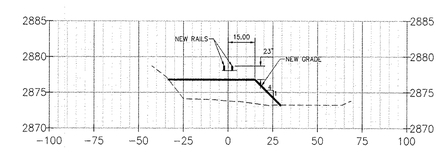

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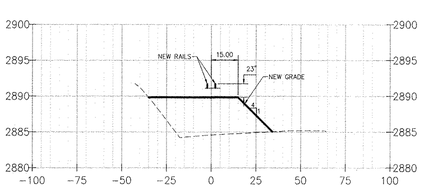

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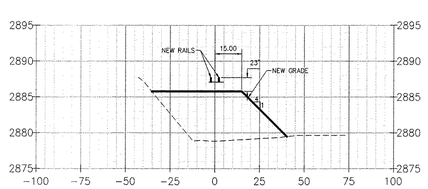

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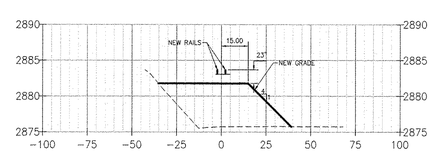

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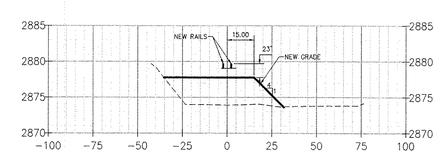

28+00

NOTE:
TRACK 122 – SHEET 7
TRACK 807 – SHEET 8–13

SCALE: H: 1" = 40'
V: 1" = 4'

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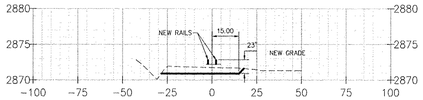

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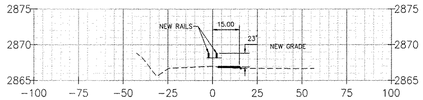

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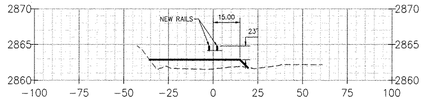

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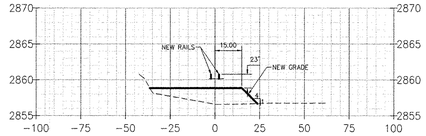

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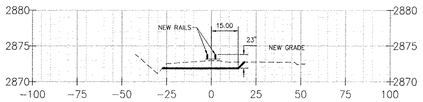

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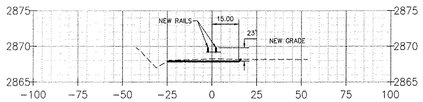

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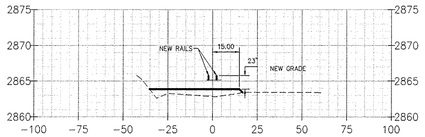

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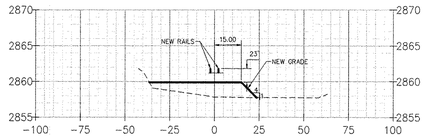

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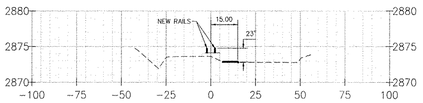

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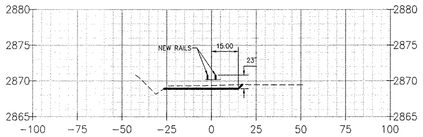

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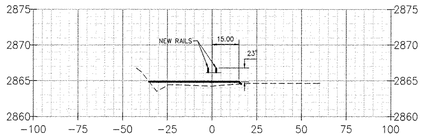

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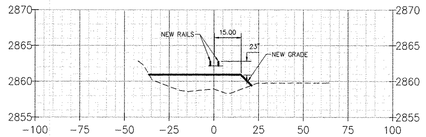

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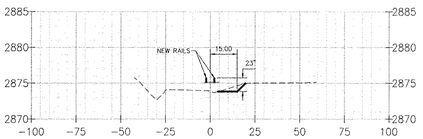

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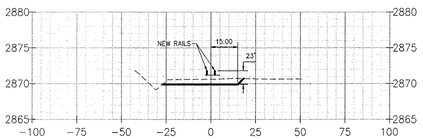

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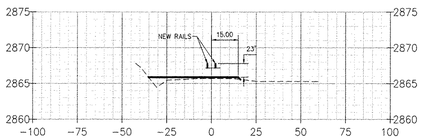

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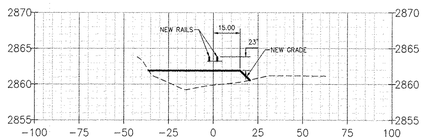

44+00

NOTE:
TRACK 122 – SHEET 7
TRACK 807 – SHEET 8–13

SCALE: H: 1" = 40'
V: 1" = 4'

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AB MAINLINE RR GRADING CROSS SECTIONS

DATE: JAN. 2, 2015 PSOMAS JOB 7LEV070209 (07002–09) SHEET 10 OF 13

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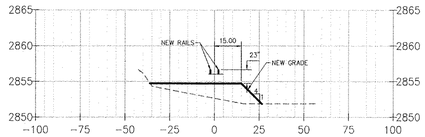

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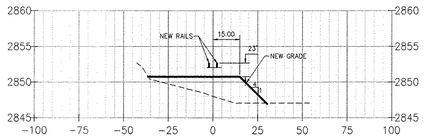

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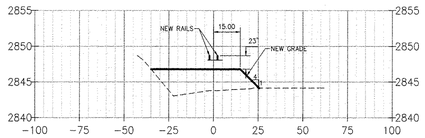

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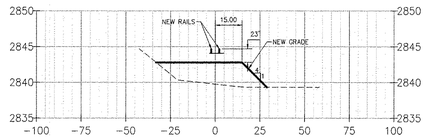

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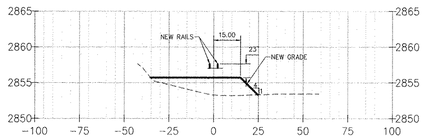

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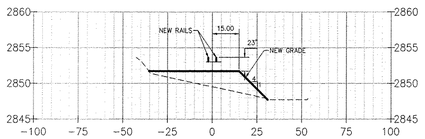

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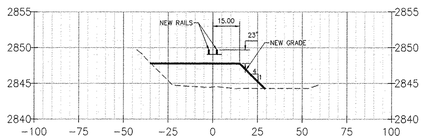

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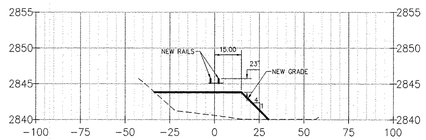

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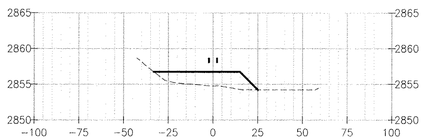

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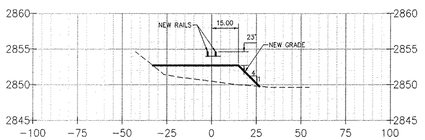

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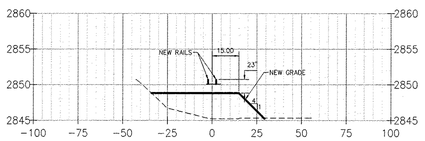

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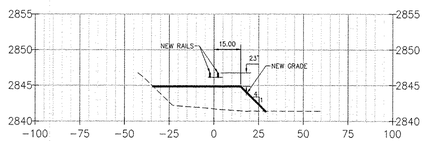

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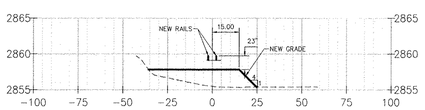

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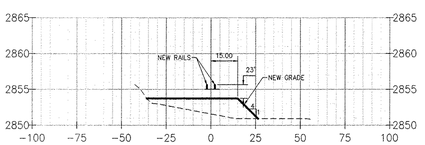

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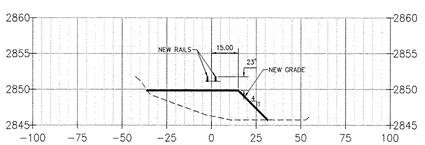

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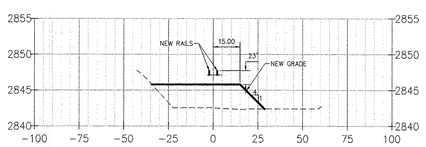

60+00

NOTE:
TRACK 122 – SHEET 7
TRACK 807 – SHEET 8–13

SCALE: H: 1" = 40'
V: 1" = 4'

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DATE: JAN. 2, 2015 PSOMAS JOB 7LEV070209 (07002–09) SHEET 11 OF 13

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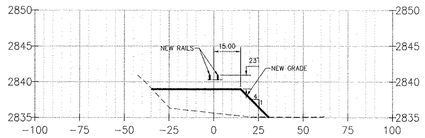

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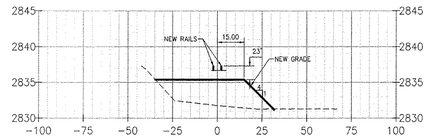

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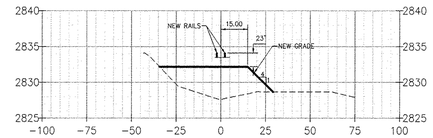

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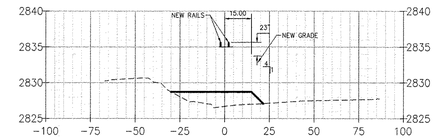

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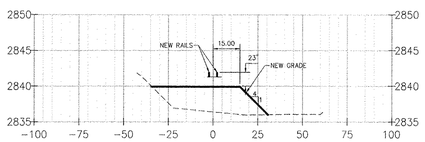

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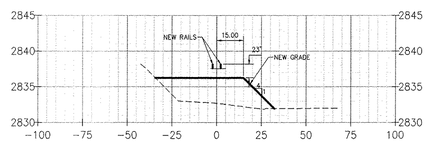

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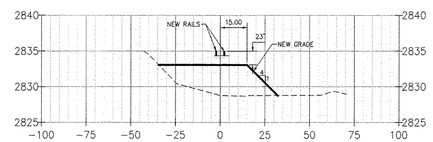

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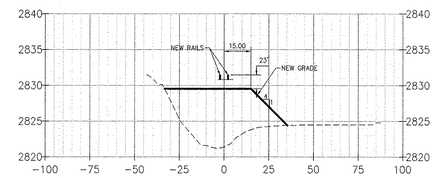

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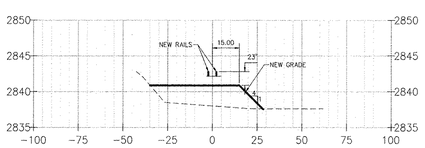

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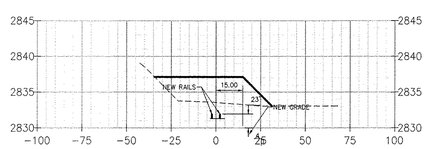

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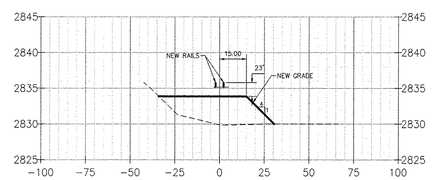

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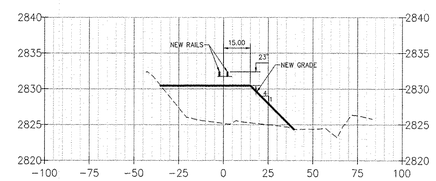

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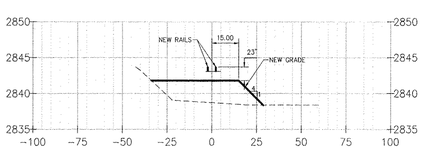

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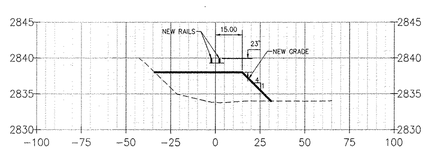

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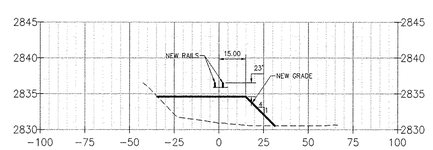

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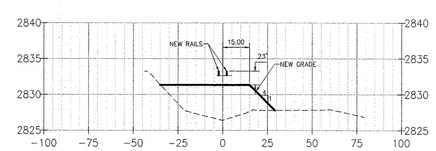

76+00

NOTE:
TRACK 122 – SHEET 7
TRACK 807 – SHEET 8–13

SCALE: H: 1" = 40'
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DATE: JAN. 2, 2015 PSOMAS JOB 7LEV070209 (07002–09) SHEET 12 OF 13

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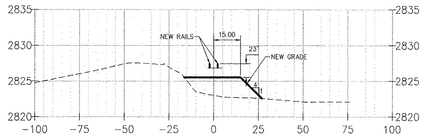

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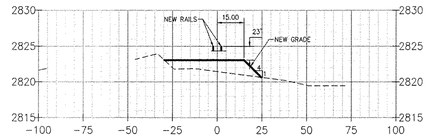

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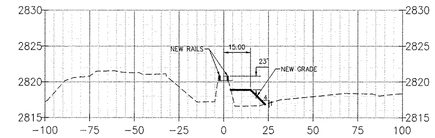

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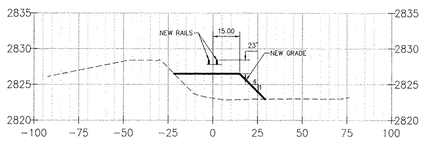

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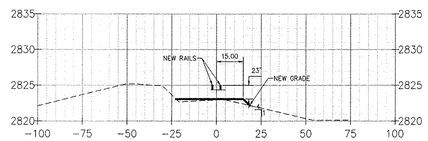

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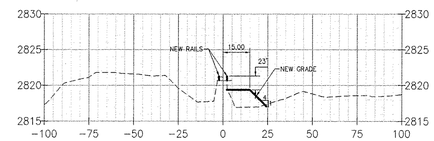

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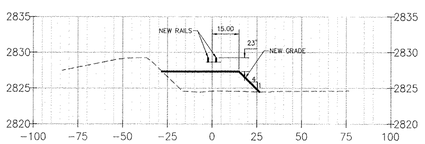

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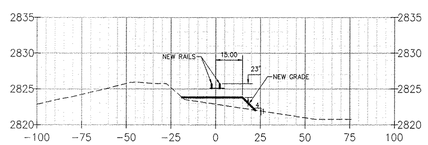

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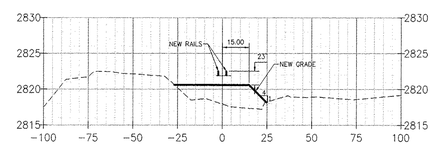

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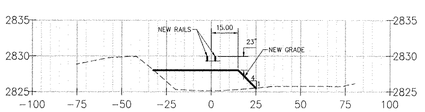

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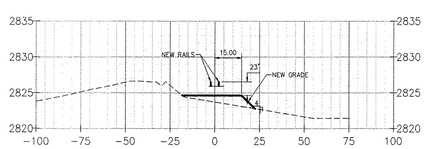

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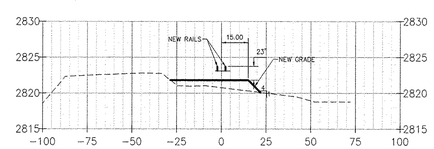

88+00

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Registered Professional Engineer (Civil)
CERTIFICATE NO. 13127
THOMAS C. LODGE III
DATE SIGNED 1-12-15
ARIZONA U.S.A.
Expires 6/30/15

NOTE:
TRACK 122 - SHEET 7
TRACK 807 - SHEET 8-13

CENTURY PARK

AB MAINLINE RR GRADING CROSS SECTIONS

DATE: JAN. 2, 2015 PSOMAS JOB 7LEV070209 (07002-09) SHEET 13 OF 13

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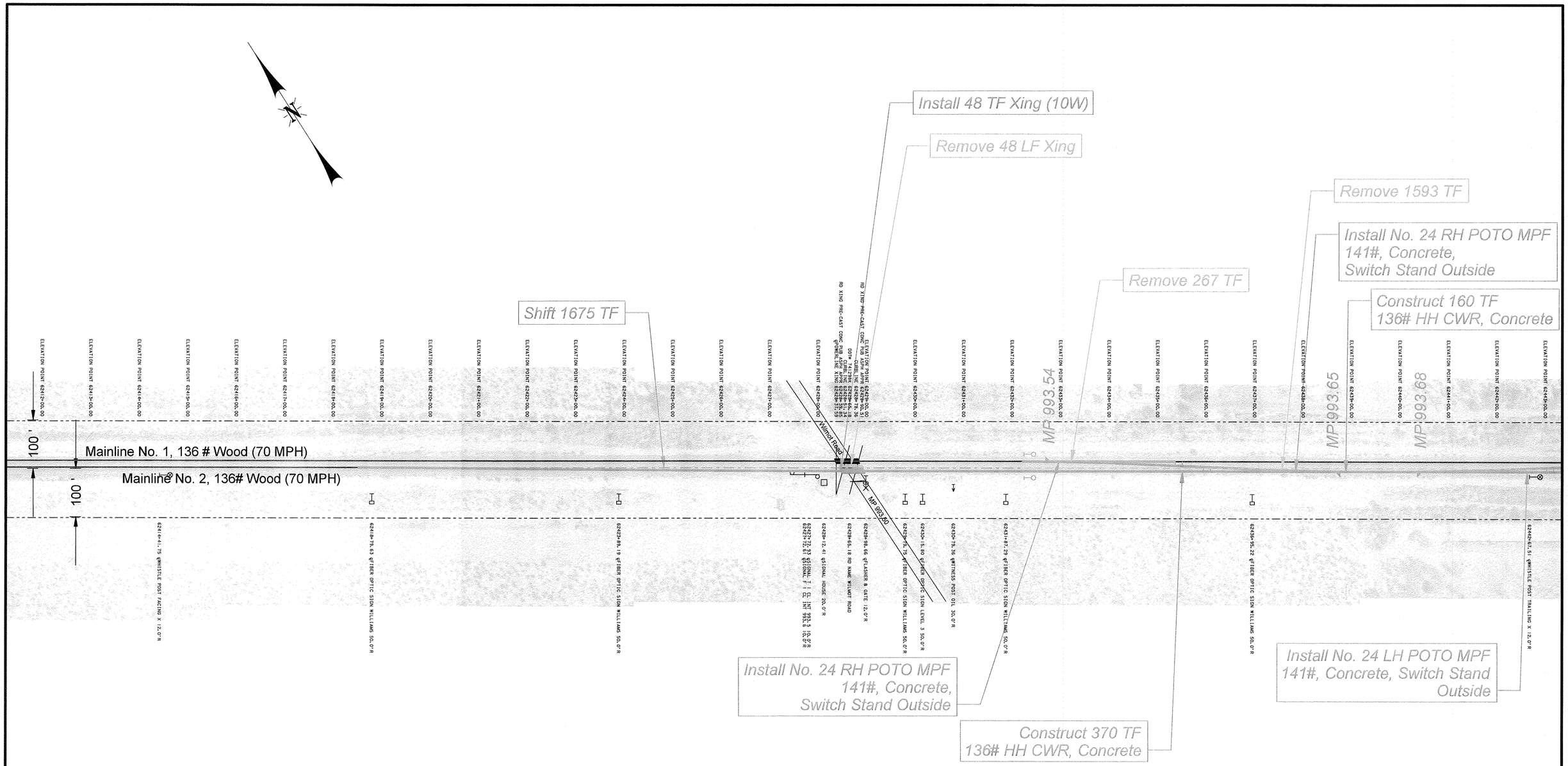

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DRAWN BY: CMG	WORK ORDER:
CHECKED BY: GWB	PID: 1003849
DATE: 02/26/2014	BUDGET REF:
SCALE: AS SHOWN	SHEET NUMBER 01 of 02

UNION PACIFIC RAILROAD
Office of Assistant Vice President
Engineering Design/Construction

LOCATION & DESCRIPTION:
Tuscon, AZ
Lordsburg Subdivision MP 993.4 to MP 994.0
West End Connection - Universal Xover

SHEET TITLE:
Concept Plan

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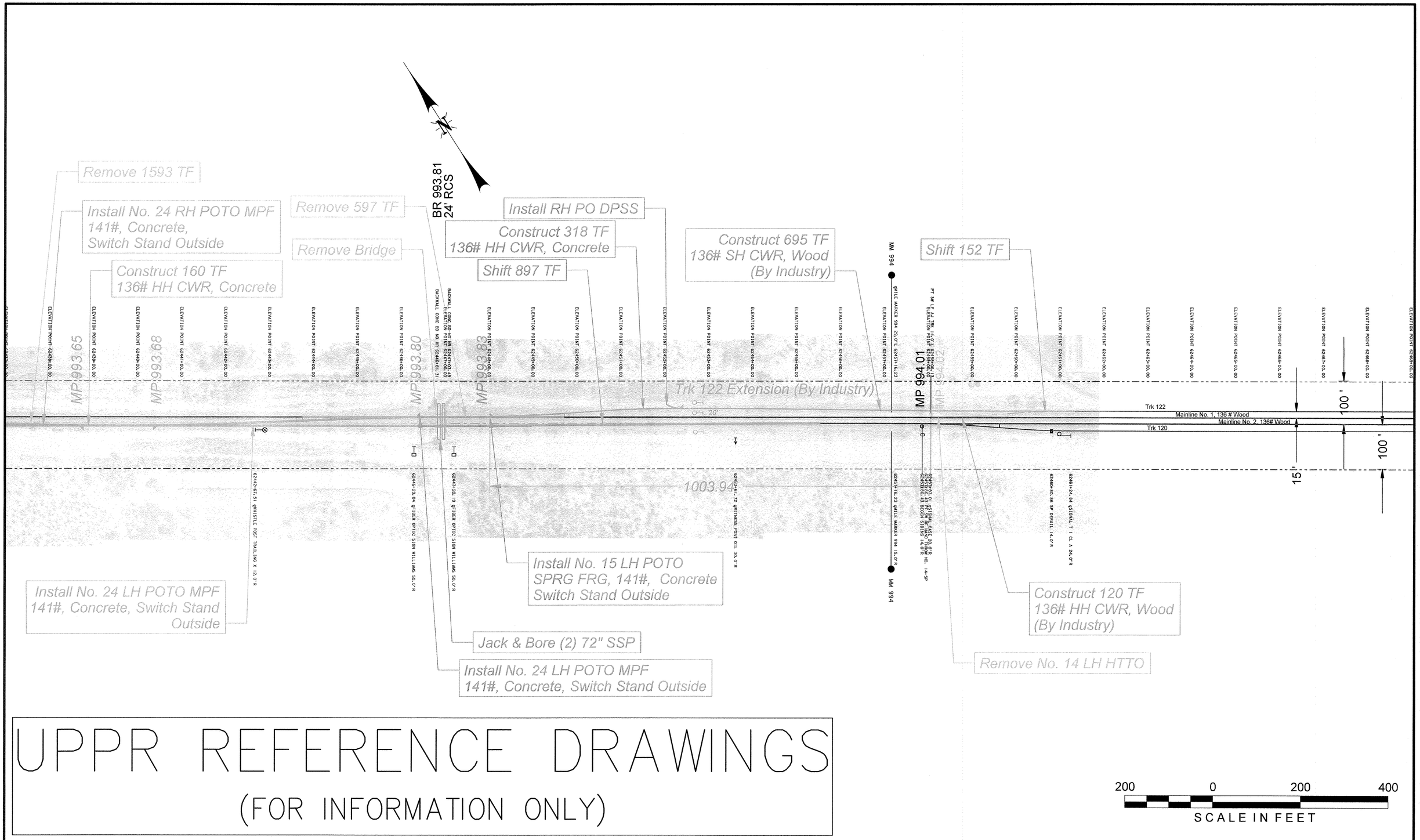

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REV. #	BY	DATE	DESCRIPTION

LEGEND:
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- PROPOSED TRACK
- SHIFT TRACK
- RETIRE TRACK
- UPRR R/W

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CHECKED BY: GWB	PID: 1003849
DATE: 02/26/2014	BUDGET REF:
SCALE: AS SHOWN	SHEET NUMBER 02 of 02

UNION PACIFIC RAILROAD
Office of Assistant Vice President Engineering Design/Construction

LOCATION & DESCRIPTION:
Tuscon, AZ
Lordsburg Subdivision MP 993.4 to MP 994.0
West End Connection - Universal Xover

SHEET TITLE:
Concept Plan

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2/26/2014