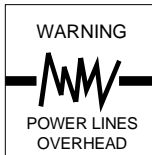


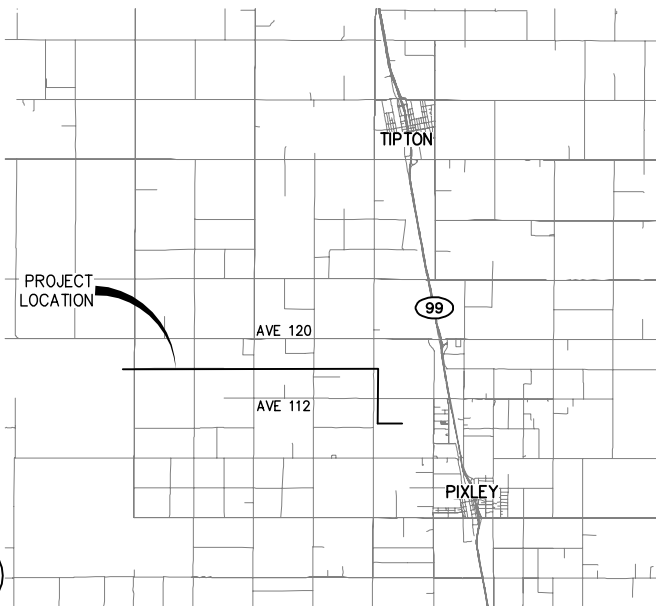


Know what's below.  
Call before you dig.

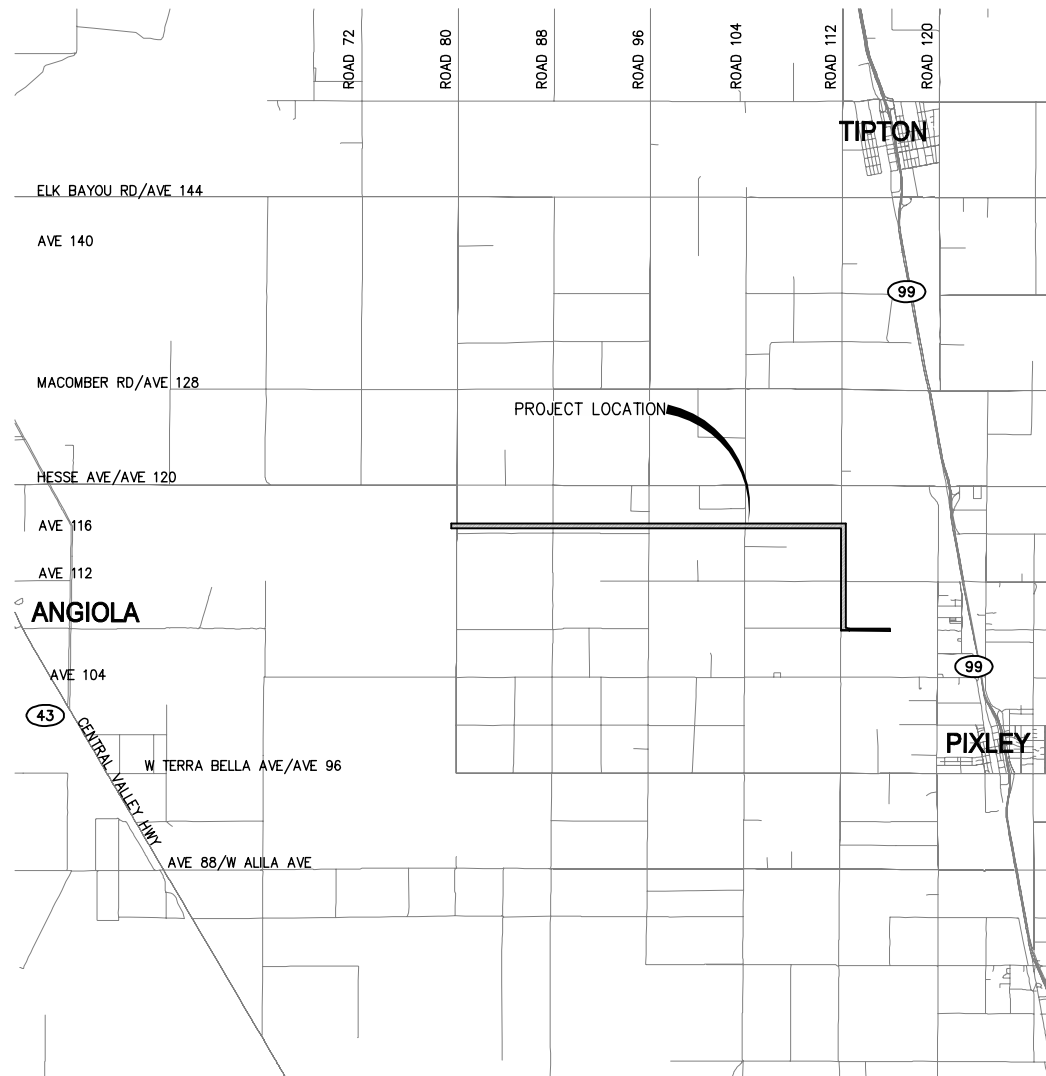


# PIXLEY IRRIGATION DISTRICT TULARE COUNTY

## LATERAL 4 CANAL PROJECT



VICINITY MAP  
NOT TO SCALE



SITE MAP  
NOT TO SCALE

### SPECIAL NOTE

WHERE UNDERGROUND AND SURFACE STRUCTURES ARE SHOWN ON THE PLANS, THE LOCATIONS, DEPTH AND DIMENSIONS OF STRUCTURES ARE BELIEVED TO BE REASONABLY CORRECT, BUT ARE NOT GUARANTEED. SUCH STRUCTURES ARE SHOWN FOR THE INFORMATION OF THE CONTRACTOR, BUT INFORMATION SO GIVEN IS NOT TO BE CONSTRUED AS A REPRESENTATION THAT SUCH STRUCTURES WILL, IN ALL CASES, BE FOUND WHERE SHOWN, OR THAT THEY REPRESENT ALL OF THE STRUCTURES WHICH MAY BE ENCOUNTERED.

### SITE SAFETY AND PROTECTION NOTES

THE DUTY OF THE ENGINEER, OWNER OR ITS AGENTS TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE AND THE UNDERTAKING OF INSPECTIONS OR THE GIVING OF INSTRUCTIONS AS AUTHORIZED HEREIN IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF THE ACTUAL CONSTRUCTION NOR MAKE THE ENGINEER, OWNER OR ITS AGENTS RESPONSIBLE FOR PROVIDING A SAFE PLACE FOR THE PERFORMANCE OF WORK BY THE CONTRACTOR, SUBCONTRACTORS, OR SUPPLIERS, OR FOR ACCESS, VISITS, USE, WORK, TRAVEL OR OCCUPANCY BY ANY PERSON.

THE CONTRACTOR SHALL HAVE AT THE WORK SITE, COPIES OR SUITABLE EXTRACTS OF CONSTRUCTION SAFETY ORDERS, ISSUED BY CAL-OSHA. CONTRACTOR SHALL COMPLY WITH PROVISIONS OF THESE AND ALL OTHER APPLICABLE LAWS, ORDINANCES AND REGULATIONS. THE CONTRACTOR MUST COMPLY WITH PROVISIONS OF THE SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, PROMULGATED BY THE SECRETARY OF LABOR UNDER SECTION 107 OF THE CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, AS SET FORTH IN TITLE 29 C.F.R.

TO PROTECT THE LIVES AND HEALTH OF CONTRACTOR'S EMPLOYEES UNDER THE CONTRACT, THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE "MANUAL OF ACCIDENT PREVENTION IN CONSTRUCTION" ISSUED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC., AND SHALL MAINTAIN AN ACCURATE RECORD OF ALL CASES OF DEATH, OCCUPATIONAL DISEASE, AND INJURY REQUIRING MEDICAL ATTENTION OR CAUSING LOSS OF TIME FROM WORK, ARISING OUT OF AND IN THE COURSE OF EMPLOYMENT OR WORK UNDER THE CONTRACT.

THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR THE SAFETY, EFFICIENCY, AND ADEQUACY OF CONTRACTOR'S FACILITIES, APPLIANCES, AND METHODS AND FOR ANY DAMAGE, WHICH MAY RESULT FROM THEIR FAILURE OR THEIR IMPROPER CONSTRUCTION, MAINTENANCE OR OPERATION.

THE CONTRACTOR AGREES THAT IT SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, PROVOST & PRITCHARD CONSULTING GROUP, AND THEIR RESPECTIVE AGENTS HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF OWNER, ENGINEER, OR THEIR RESPECTIVE AGENTS.

THE OWNER AND ITS AGENTS' SITE RESPONSIBILITIES ARE LIMITED SOLELY TO THE ACTIVITIES OF THEIR EMPLOYEES ON SITE. THESE RESPONSIBILITIES SHALL NOT BE INFERRED BY ANY PARTY TO MEAN THAT THE OWNER OR ITS AGENTS HAVE RESPONSIBILITY FOR SITE SAFETY, SAFETY IN, ON, OR ABOUT THE SITE IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR ALONE. THE CONTRACTOR'S METHODS OF WORK PERFORMANCE, SUPERINTENDENCE AND THE CONTRACTOR'S EMPLOYEES, AND SEQUENCING OF CONSTRUCTION ARE ALSO THE SOLE AND EXCLUSIVE RESPONSIBILITIES OF THE CONTRACTOR ALONE.

### TOPOGRAPHY NOTE

TOPOGRAPHY SHOWN IS FROM FIELD SURVEYS CONDUCTED FEBRUARY, 2018.

### BOUNDARY NOTE

THE BOUNDARY/EASEMENT INFORMATION SHOWN ON THESE PLANS IS BASED UPON RECORD INFORMATION TIED TO PHYSICAL MONUMENTS, AND WAS PREPARED UNDER THE DIRECTION OF TIMOTHY M. ODOM, PLS 8468.

### BASIS OF BEARINGS

THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 4, AS ESTABLISHED LOCALLY BY NETWORK RTK OBSERVATIONS.

### BENCHMARKS

PROJECT BENCHMARK  
ALL ELEVATIONS ARE NAVD88, AS ESTABLISHED BY GPS OBSERVATIONS USING LEICA'S SMARTNET REAL TIME RTK NETWORK.

**TBM #1**  
BRASS DISK IN HEADWALL OF PIXLEY IRRIGATION DISTRICT DITCH, 100' WEST OF FRIANT KERN CANAL, 120' NORTH OF HIGHWAY 190.  
ELEVATION = 405.45'

**TBM #2**  
NGS STATION "QUAIL", ALUMINUM DISK IN CULVERT HEADWALL, SOUTHWEST CORNER OF AVENUE 120 AND ROAD 120.  
ELEVATION = 258.17'

**TBM #3**  
BRASS DISK IN A WELL PAD, 72' WEST OF THE HOMELAND CANAL ALONG THE AVENUE 116 ALIGNMENT.  
ELEVATION = 187.43'

### GENERAL NOTES

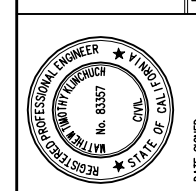
- PIXLEY IRRIGATION DISTRICT (559-624-7151) SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK ON OR NEAR EXISTING DISTRICT FACILITIES.
- USED MATERIAL, REJECTS, MISFITS, OR SECONDS, ETC. ARE NOT ACCEPTABLE FOR USE ON PIXLEY IRRIGATION DISTRICT FACILITIES.
- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THESE PLANS AND PIXLEY IRRIGATION DISTRICT SPECIFICATIONS.
- CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING FACILITIES PRIOR TO COMMENCING WORK. CALL UNDERGROUND SERVICE ALERT (USA) AT 8-1-1. CONTRACTOR SHALL MAKE ENGINEER AWARE OF ANY DISCREPANCIES.
- ALL CAST-IN-PLACE CONCRETE STRUCTURES SHALL BE FORMED INSIDE AND OUT AND CONCRETE VIBRATED SUFFICIENTLY TO PROVIDE FOR SMOOTH SURFACED WALLS/FLOORS WITHOUT VOIDS AND HONEYCOMBS.
- PIXLEY IRRIGATION DISTRICT SHALL INSPECT ALL WORK PHASES ON CONCRETE FACILITIES FOR CONFORMANCE TO SPECIFICATIONS. REINFORCING SHALL NOT BE ENCASED IN CONCRETE WITHOUT PRIOR INSPECTIONS. LIKEWISE, CONCRETE SHALL NOT BE COVERED WITH EARTH PRIOR TO INSPECTION.
- CONCRETE DESIGN MIX SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL. ALL CONCRETE SHALL HAVE A 28-DAY MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE SPECIFIED.
- ALL STEEL PIPE AND FITTINGS SHALL BE FURNISHED WITH A SHOP APPLIED HIGH SOLIDS EPOXY COATING ON THE INTERIOR AND EXTERIOR, UNLESS OTHERWISE INDICATED. ALL OTHER EXPOSED STEEL SHALL BE PAINTED WITH A PRE-TREATMENT PRIMER, AN UNDERCOAT AND A FINAL COAT OF PAINT IN ACCORDANCE WITH PIXLEY IRRIGATION DISTRICT SPECIFICATIONS.
- ALL NUTS, BOLTS, AND WASHERS USED TO SECURE UNDERGROUND FITTINGS SHALL BE STAINLESS STEEL. AFTER INSTALLATION, ALL STEEL HARDWARE SHALL BE COATED WITH A RUST PREVENTATIVE, WRAPPED WITH 4 MIL POLYETHYLENE SHEETING, AND SECURE WITH PVC TAPE.
- THRUST RESTRAINTS TO BE PROVIDED AT ALL PIPELINE BENDS, WHETHER OR NOT SHOWN ON THE PLANS.
- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS OF THE STATE OF CALIFORNIA AND CAL/OSHA STANDARDS.
- TRENCH BACKFILL AND CANAL EMBANKMENTS SHALL BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.
- CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR OF ALL PIPELINE CRACKS, WHICH DEVELOP DURING CONSTRUCTION OF IMPROVEMENTS AFFECTING EXISTING FACILITIES.
- CONCRETE VAULTS AND BOXES MAY BE PURCHASED FROM A PRECAST MANUFACTURER OR CONTRACTOR MAY CONSTRUCT THE STRUCTURES IF STRUCTURAL CALCULATIONS AND DESIGN IS APPROVED BY THE PIXLEY IRRIGATION DISTRICT AND THE ENGINEER.
- ALL EXCESS MATERIAL AND/OR DEBRIS SHALL BE REMOVED UPON COMPLETION OF INSTALLATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE DUST CONTROL AT ALL TIMES.
- A 12' EMERGENCY ACCESS CROSSING SHALL BE MAINTAINED AT ALL PAVED COUNTY ROAD CROSSINGS FOR EMERGENCY VEHICLES.
- COORDINATION WITH SOUTHERN CALIFORNIA EDISON (SCE) AND THE GAS COMPANY WILL BE NECESSARY FOR POWER POLE AND GAS LINE RELOCATIONS, RESPECTIVELY.
- IF UNSUITABLE MATERIAL IS ENCOUNTERED DURING EXCAVATION, THE CONTRACTOR SHALL CONSULT THE ENGINEER.
- CONTRACTOR SHALL OVER EXCAVATE A MINIMUM 12" AND COMPACT TO THE SPECIFIED RELATIVE COMPACTION PERCENTAGE.
- TRAFFIC CONTROL PLANS ARE TO BE APPROVED BY TULARE COUNTY PRIOR TO ROAD CROSSING ACTIVITIES.
- THE CONTRACTOR WILL WORK WITH LANDOWNERS TO MODIFY EXISTING PRIVATE IRRIGATION SYSTEMS LOCATED WITHIN THE PROJECT RIGHT OF WAY.
- STATION AND ELEVATION INFORMATION ON PLAN AND PROFILE DRAWINGS ARE PROVIDED AT THE EDGES OF LINERS AND AT MATCH LINES.

### APPROVALS

ERIC LIMAS GENERAL MANAGER	DATE
MIKE BATTLES OPERATIONS MANAGER	DATE
JOHN MICHAEL DOMONDON DISTRICT ENGINEER	DATE

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NOT FOR CONSTRUCTION  
1/26/2022



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
GENERAL  
COVER

DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO.:  
83357

DRAFTED BY: CBC  
CHECKED BY: MTK

DATE: 01/26/2022

JOB NO: 315920002

PROJECT NO: 315920002

PHASE: DES

ORIGINAL SCALE SHOWN IS ONE INCH, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET 1

1 OF 86



ABBREVIATIONS

AB	AGGREGATE BASE	HORIZ	HORIZONTAL	TC	TOP OF CURB
AC	ASPHALT CONCRETE	HP	HINGE POINT, HIGH POINT, HORSEPOWER	TCE	TEMPORARY CONSTRUCTION EASEMENT
ACP	ASBESTOS-CEMENT PIPE	HP GAS	HIGH PRESSURE GAS	TDI	TEMPLE DUCTILE IRON
AD	ALUMINUM DISK	HPS	HIGH PRESSURE SWITCH	TELE	TELEPHONE
AGG	AGGREGATE	HR	HANDRAIL	TF	TOP OF FOOTING
AH	AHEAD	H/T	HUB & TACK	TFC	TOP FACE OF CURB
ALT	ALTERNATE	HWL	HIGH WATER LEVEL	TG	TOP OF GRATE
AP	ANGLE POINT	HYDRO	HYDRONEUMATIC	TH	THREAD
APPROX	APPROXIMATE	IN	INSIDE DIAMETER	TL	TOP OF LINING
APN	ASSESSOR'S PARCEL NUMBER	INCH	INCH	TOE	TOE OF SLOPE
ARY	AIR RELIEF VALVE	INV	INVERT	TOP	TOP OF SLOPE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	IP	IRON PIPE	TP	TELEPHONE POLE
AV	AIR VENT	IRR	IRRIGATION	TR	TELEPHONE RISER
AVE	AVENUE	JP	JUNCTION POLE	TRANS	TRANSFORMER
AWWA	AMERICAN WATER WORKS ASSOCIATION	LBS	POUNDS	TRFC	TRAFFIC
BAR	BARRIER	LC	LENGTH OF CURVE	TS	TOP OF STRUCTURE
BC	BEGIN CURVE	LCW	LONG CRESTED WEIR	TSB	TELEPHONE SPLICE BOX
BD	BRASS DISK	LF	LINEAR FEET	TYP	TYPICAL
BFP	BACKFLOW PREVENTER	LG	LONG	TWL	TOP OF WALL
BK	BACK	LT	LEFT	UG	UNDERGROUND
BLDG	BUILDING	LPG	LIQUEFIED PETROLEUM GAS	UP	UTILITY POLE
BM	BENCHMARK	MAX	MAXIMUM	UT	UTILITY
BO	BOLLARD	MB	MAILBOX	U/S	UPSTREAM
BTM	BOTTOM	MCC	MOTOR CONTROL CENTER	VCP	VERIFIED CLAY PIPE
BVC	BEGIN VERTICAL CURVATURE	MFR	MANUFACTURER	VERT	VERTICAL
BW	BACK OF WALK	MH	MANHOLE	VG	VALLEY GUTTER
BWL	BACK OF WALL	MIN	MINIMUM	VLT	VAULT
BWR	BARB WIRE	MISC	MISCELLANEOUS	VLV	VALVE
C	CONCRETE	MJ	MECHANICAL JOINT	(W)	WEST
CA	CALIFORNIA	MAC	MAC NAIL	W	WATER
CAB	CABINET	MP	MEDIUM PRESSURE GAS LINE	WL	WATER LINE
CBL	CABLE	MPT	MALE PIPE THREAD	WM	WATER METER
CFS	CUBIC FEET PER SECOND	MRKR	MARKER	WS	WATER SERVICE
C&G	CURB & GUTTER	MS	MILD STEEL	WV	WATER VALVE
CHK	CHECK	(N)	NORTH	WW	WASTE WATER
CHLK	CHAIN LINK	NAVJ	NORTH AMERICAN VERTICAL DATUM	W/	WITH
CI	CAST IRON	NC	NORMALLY CONSOLIDATED	W/O	WITHOUT
CIP	CAST IRON PIPE	NGVD	NATIONAL GEODETIC VERTICAL DATUM		
CIPCP	CAST-IN-PLACE CONCRETE PIPE	NIC	NOT IN CONTRACT		
CL	CLASS	NPT	NATIONAL PIPE THREAD		
CLVT	CULVERT	NTS	NOT TO SCALE		
C	CENTERLINE	OC	ON CENTER		
CLF	CHAIN LINK FENCE	OD	OUTSIDE DIAMETER		
CLR	CLEAR, CLEARANCE	OH	OVERHEAD		
CMLC	CEMENT MORTAR LINED & COATED	OP	OPERATING		
CMP	CORRUGATED METAL PIPE	OSHA	OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION		
CN	CONCRETE NAIL	O&M	OPERATIONS & MAINTENANCE		
CNS	COMPACTED NATIVE SOIL	(P)	PROPOSED		
CO	SEWER CLEAN OUT	PB	PULL BOX		
CONT	CONTINUOUS	PC	POINT OF CURVATURE		
CONST	CONSTRUCT/CONSTRUCTION	PCC	POINT OF COMPOUND CURVATURE		
COR	CORNER	PCC	PORTLAND CEMENT CONCRETE		
CORP	CORPORATION	PE	PERMANENT EASEMENT		
COL	COLUMN	PER	PERIMETER		
COUP	COUPLING	PI	POINT OF INTERSECTION		
CP	CONTROL POINT	PIP	PLASTIC IRRIGATION PIPE		
CR	CROWN	PLC	PROGRAMMABLE LOGIC CONTROLLER		
CU	CUBIC	R	PROPERTY LINE		
CY	CUBIC YARDS	PNL	PANEL		
DA	DRIVE APPROACH	POC	POINT ON CURVE		
DEC	DECIDUOUS	POL	POINT ON LINE		
DEMO	DEMOLISH/DEMOLITION	POT	POINT ON TANGENT		
DI	DROP INLET	PP	POWER POLE		
DIA, Ø	DIAMETER	PRC	POINT OF REVERSE CURVATURE		
DIM	DIMENSION	PRV	PRESSURE REDUCING VALVE		
DIP	DUCTILE IRON PIPE	PSF	POUNDS PER SQUARE FOOT		
D/S	DOWNSTREAM	PSI	POUNDS PER SQUARE INCH		
DW	DRIVEWAY	PT	POINT OF TANGENCY		
DWG	DRAWING	PVC	POLYVINYL CHLORIDE		
(E)	EXISTING, EAST	PVCC	POINT OF VERTICAL COMPOUND CURVATURE		
EA	EACH	PVMT	PAVEMENT		
EC	END CURVE	PVRC	POINT OF VERTICAL REVERSE CURVATURE		
ECC	ECCENTRIC	PVI	POINT OF VERTICAL INTERSECTION		
EF	EACH FACE	R	RADIUS		
EG	EXISTING GRADE	RBR	REBAR		
EL, ELEV	ELEVATION	RC	RADIUS OF CURVE		
ELC	EPOXY LINED & COATED	RCP	REINFORCED CONCRETE PIPE		
ELEC	ELECTRIC	RD	RELATIVE DENSITY		
ELL	ELBOW	RD	ROAD		
EM	ELECTRIC METER	RE	REFERENCE		
EOL	END OF LINE	REQD	REQUIRED		
EP	EDGE OF PAVEMENT	RET	RETURN		
EQUIV	EQUIVALENT	REV	REVISION		
SMT	EASEMENT	RGRCP	RUBBER GASKETED REINFORCED CONCRETE PIPE		
ELC	EUCALYPTUS	RGS	RIGID GALVANIZED STEEL		
EVC	END VERTICAL CURVE	RP	RADIUS POINT		
EW	EACH WAY	RR	RAILROAD		
EXP	EXPOSED	RT	RIGHT		
(F)	FUTURE	RTU	REMOTE TERMINAL UNIT		
F&I	FURNISH & INSTALL	R/W	RIGHT OF WAY		
FD	FOUND	(S)	SOUTH, SOLVENT WELD		
FDC	FIRE DEPARTMENT CONNECTION	S	SLIP		
FF	FINISHED FLOOR	S=	SLOPE		
FG	FINISHED GRADE	SCH	SCHEDULE		
FH	FIRE HYDRANT	SCP	STANDARD CONCRETE PIPE		
FL, FL	FLOW LINE	SD	STORM DRAIN		
FLG	FLANGE	SDMH	STORM DRAIN MANHOLE		
FLGD	FLANGED	SEC	SECTION		
FM	FORCE MAIN	SERV	SERVICE		
FNC	FENCE	SF	SQUARE FEET		
FRP	FIBER REINFORCED POLYESTER PIPE	SP	SERVICE POLE		
FT	FOOT/FEET	SPEC	SPECIFICATION		
FW	FRONT OF WALK	SPNDL	SPINDLE		
FWL	FACE OF WALL	SQ	SQUARE		
GA	GAUGE	SS	SANITARY SEWER		
GAL	GALLON	SS OR STS	STAINLESS STEEL		
GALV	GALVANIZED	SSMH	STATION SEWER MANHOLE		
GB	GRADE BREAK	STA	STATION		
GM	GAS METER	STD	STANDARD		
GPM	GALLONS PER MINUTE	STL	STEEL		
GRVL	GRAVEL	STP	STAND PIPE		
GS	GAS	STRC	STRUCTURE		
GSV	GAS VALVE	STRP	STRIPING		
GUY	GUY WIRE	SWL	SWALE		
GV	GATE VALVE	STWL	STILLING WELL		
HD	HEAD	(T)	THREADED		
HDPE	HIGH DENSITY POLYETHYLENE	T	THREAD		
HDR	HEADER	T&B	TOP & BOTTOM		
HDW	HEADWALL	TB	TOP OF BANK		
HGL	HYDRAULIC GRADE LINE	TBM	TEMPORARY BENCHMARK		

LINETYPES

EXISTING	NEW	DESCRIPTION
		WATER LEVEL
		BARRICADE
		CONTOUR (DEPRESSION)
		CONTOUR (MAJOR)
		CONTOUR (MINOR)
		EMBANKMENT TOE
		EMBANKMENT TOP
		FENCE (BLOCK WALL)
		FENCE (CHAIN LINK)
		FENCE (WOOD)
		FENCE (WIRE)
		FENCE (SILT)
		GATE SWING
		GRADE BREAK
		GUARDRAIL
		RAILROAD
		RETAINING WALL
		SWALE CENTERLINE
		SWALE W/FLOW ARROWS
		WATER (LAKE/POND)
		WATER (MARSH/SWAMP)
		COMPUTER/COMM. (BURIED)
		ELECTRIC (AERIAL)
		ELECTRIC (BURIED)
		XX" FO
		XX" GAS
		XX" IRR
		XX" OIL
		XX" SS
		XX" FM
		XX"
		XX" SI
		XX" STEAM
		XX" SD
		XX" TELE (AERIAL)
		XX" TELE (BURIED)
		XX" TV (AERIAL)
		XX" TV (BURIED)
		XX" W

HATCHES

EXISTING	HATCH TYPE	NEW	DESCRIPTION
			AGGREGATE
			AC PAVEMENT
			CONCRETE
			CONCRETE LINING (PLAN VIEW)
			EARTH
			RIP RAP
			SAND
			GRATING
			EXPANDED METAL

SYMBOLS

EXISTING	NEW	SYMBOL	DESCRIPTION
			ELECTRIC METER
			PAD MOUNTED TRANSFORMER
			ELECTRIC VAULT
			UTILITY POLE
			UTILITY POLE ANCHOR
			ELECTRIC MANHOLE
			GAS METER
			GAS VALVE
			SANITARY SEWER CLEAN OUT
			SANITARY SEWER MANHOLE
			SSMH (ECCENTRIC CONE)
			STORM DRAIN CATCH BASIN
			STORM DRAIN INLET
			STORM DRAIN CULVERT
			STORM DRAIN MANHOLE
			MAIL BOX
			SIGN
			YARD LIGHT
			GUARD POST
			CONTROL POINT
			BENCH MARK
			IRON PIPE
			MONUMENT
			MONUMENT (OPTIONAL)
			OWNERSHIP TIE
			LOT NUMBER
			TELEPHONE RISER
			TELEPHONE VAULT
			2-NOZZLE HYDRANT
			3-NOZZLE HYDRANT
			FIRE DEPT. CONNECTION
			FIRE VAULT
			WATER METER
			WELL
			WATER VALVE
			BLOW-OFF
			AIR RELIEF VALVE
			BACK FLOW PREVENTOR
			GATE VALVE HANDLE
			STILLING WELL
			FENCE POST
			FENCE GATE
			REVISION
			CONSTRUCTION CALLOUT
			DETAIL CALLOUT
			LINE BREAK
			PIPE END (SCHEMATIC)
			PIPE END
			EMBANKMENT ARROW
			HIGH WATER LINE
			SPOT ELEVATION
			SECTION VIEW

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 1/26/2022

LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 GENERAL

LEGEND AND ABBREVIATIONS

REGISTERED PROFESSIONAL ENGINEER  
 MATT KLINCHUCH  
 No. 83357  
 DIVISION OF INDUSTRIAL DESIGN  
 STATE OF CALIFORNIA

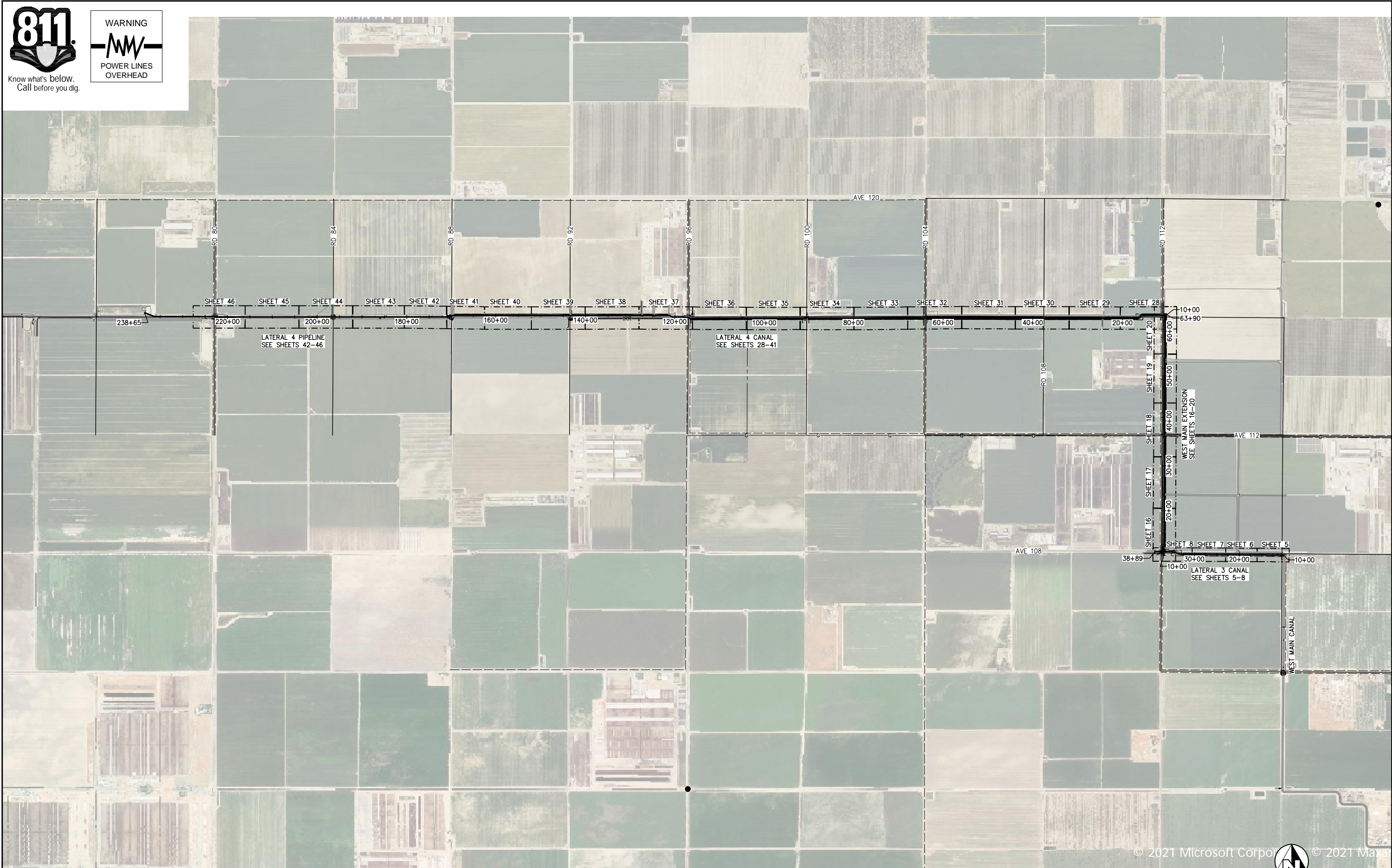
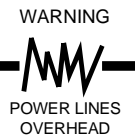
DESIGN ENGINEER: MATT KLINCHUCH  
 LICENSE NO: 83357  
 DRAFTED BY: CBC  
 CHECKED BY: MTK  
 DATE: 01/26/2022  
 JOB NO: 315920002  
 PROJECT NO: 315920002  
 PHASE: DES

ORIGINAL SCALE SHOWN IS ONE INCH, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
 SHEET 3 OF 86

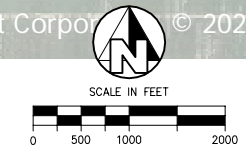




Know what's below.  
Call before you dig.

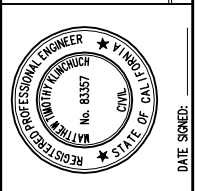


OVERALL SITE PLAN



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<b>NOT FOR CONSTRUCTION</b>		DATE
1/26/2022		BY
No.	REVISION	DATE

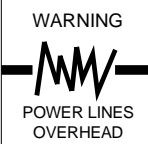


LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 GENERAL  
 OVERALL SITE PLAN

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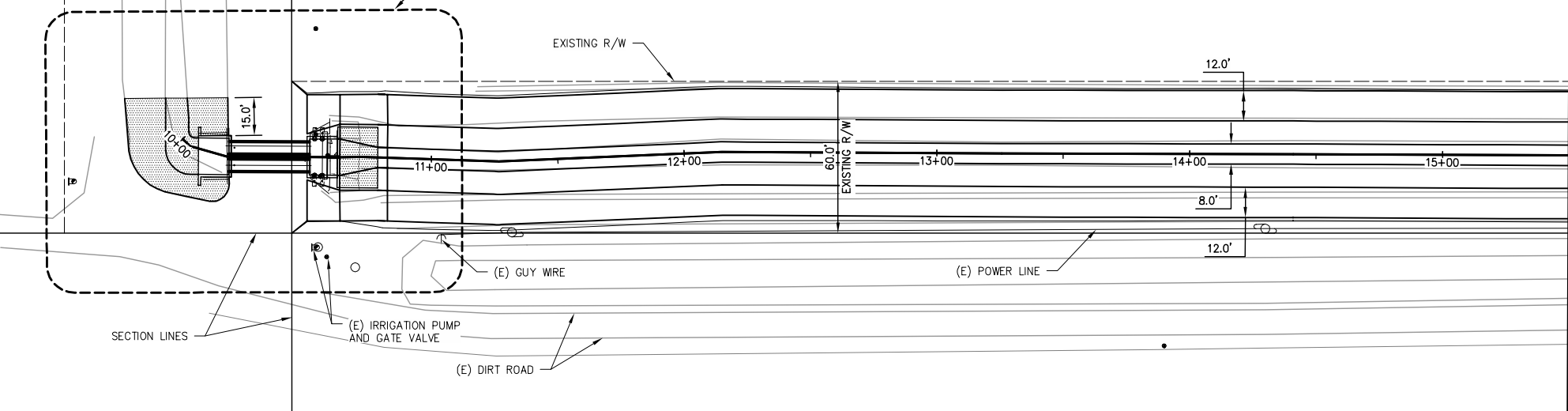
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LICENSE NO.:	83357
DRAFTED BY:	CBC
CHECKED BY:	MTK
DATE:	01/26/2022
JOB NO.:	315920002
PROJECT NO.:	315920002
PHASE:	DES
SHEET:	4
	4 OF 86



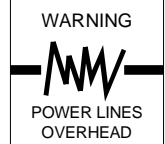


(E) TOB 90.0' EXISTING R/W (E) TOE

PLN 14 LATERAL 3 AND WEST MAIN CANAL SITE PLAN



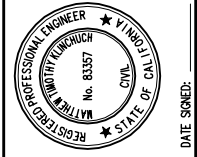
PROPOSED LATERAL 3 CANAL UPSIZE  
STATIONING ALONG CENTERLINE OF CANAL



MATCH LINE STA 15+50 SEE SHEET 6

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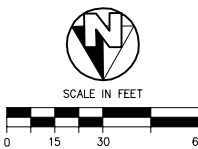
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1/26/2022



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT-3 PLAN AND PROFILE  
10+00 - 15+50

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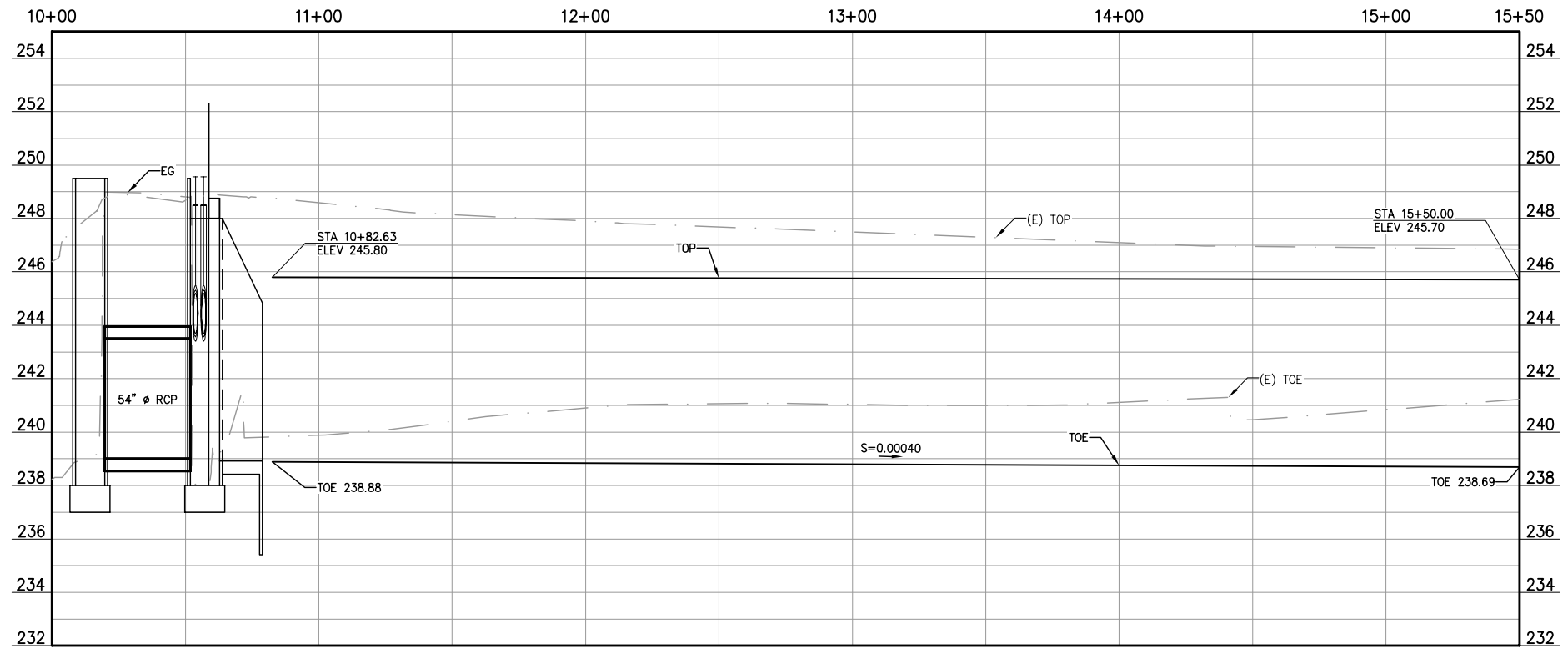
DESIGN ENGINEER: MATT KLINCHUCH  
LICENSE NO: 83357  
DRAFTED BY: CBC CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES  
ORIGINAL SCALE SHOWN IS ONE INCH, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET 5 OF 86



Cut/Fill Summary

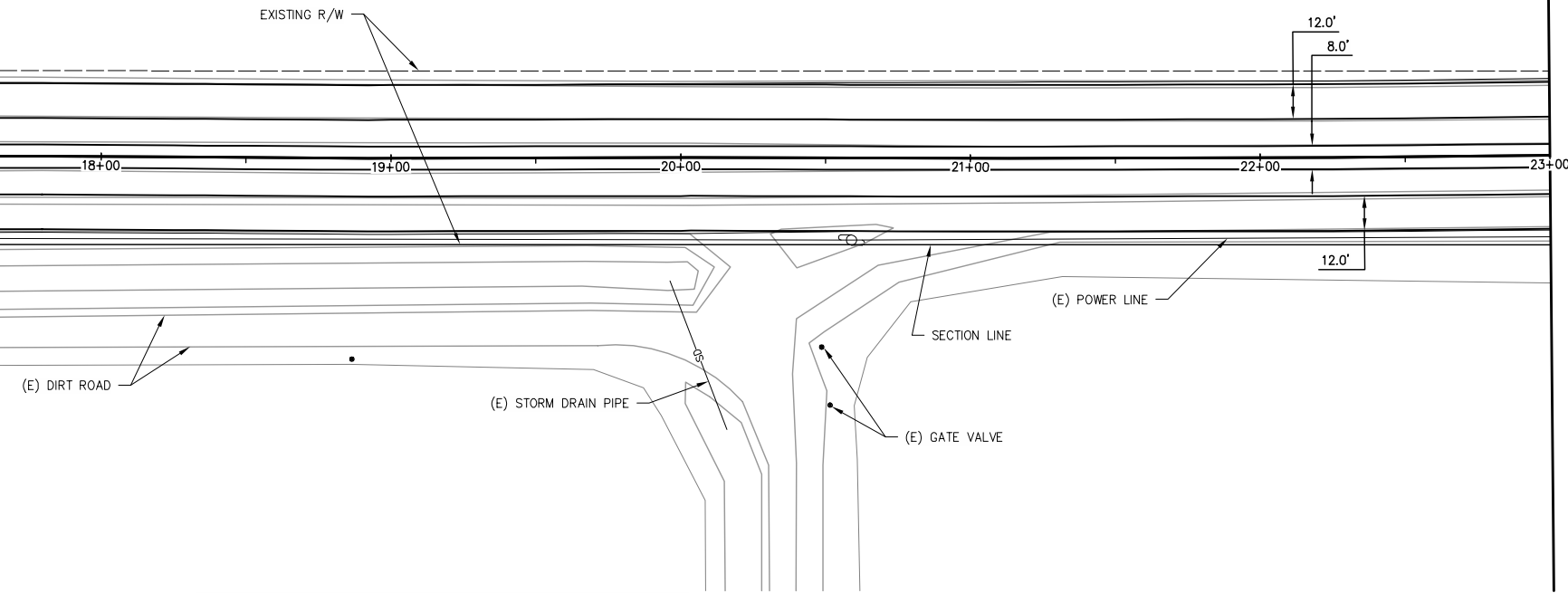
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Totals			140539.55 Sq. Ft.	3591.78 Cu. Yd.	2575.10 Cu. Yd.	1016.69 Cu. Yd.<Cut>

PROPOSED LATERAL 3 CANAL UPSIZE

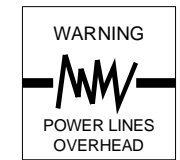
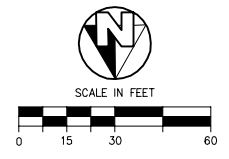


MATCH LINE  
STA 15+50 SEE SHEET 5

MATCH LINE  
STA 23+00 SEE SHEET 7

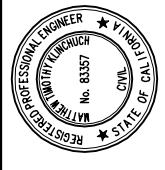


PROPOSED LATERAL 3 CANAL UPSIZE  
STATIONING ALONG CENTERLINE OF CANAL



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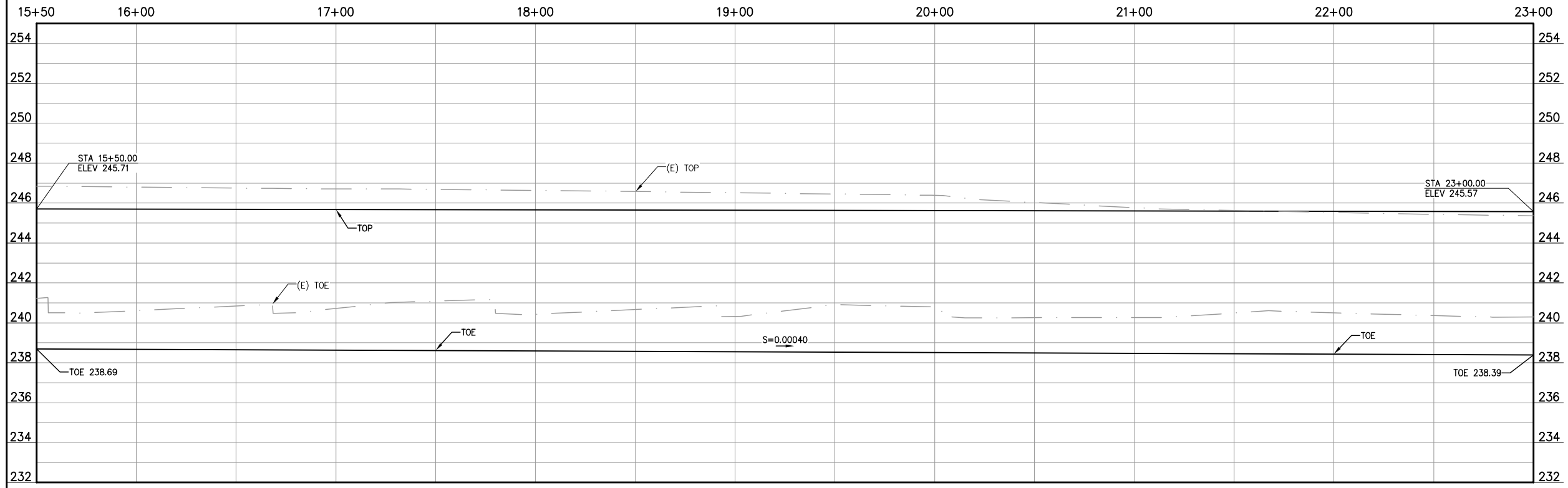
LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT-3 PLAN AND PROFILE  
15+50 - 23+00

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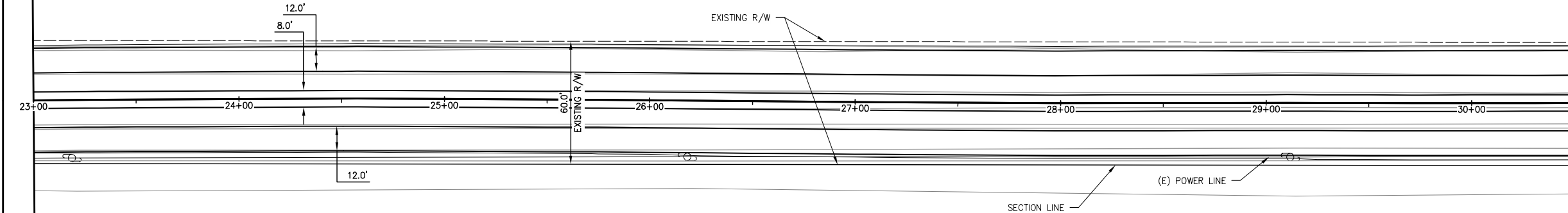
DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES

ORIGINAL SCALE SHOWN IS ONE INCH, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS  
SHEET 6 OF 86  
1/26/2022 12:42 PM G:\Pixley ID-3159\315920002-Lat 4 Final\300 CAD\340 Sheet Sets\02\_LAT 3 PLAN AND PROFILE\6 15+50 - 23+00.dwg - Christopher Cervantes

PROPOSED LATERAL 3 CANAL UPSIZE

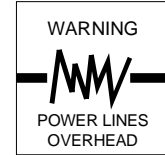


MATCH LINE  
STA 23+00 SEE SHEET 6

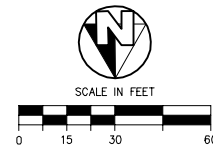


**PROPOSED LATERAL 3 CANAL UPSIZE**  
STATIONING ALONG CENTERLINE OF CANAL

MATCH LINE  
STA 30+50 SEE SHEET 8

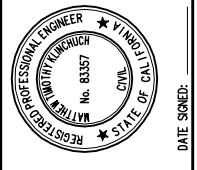


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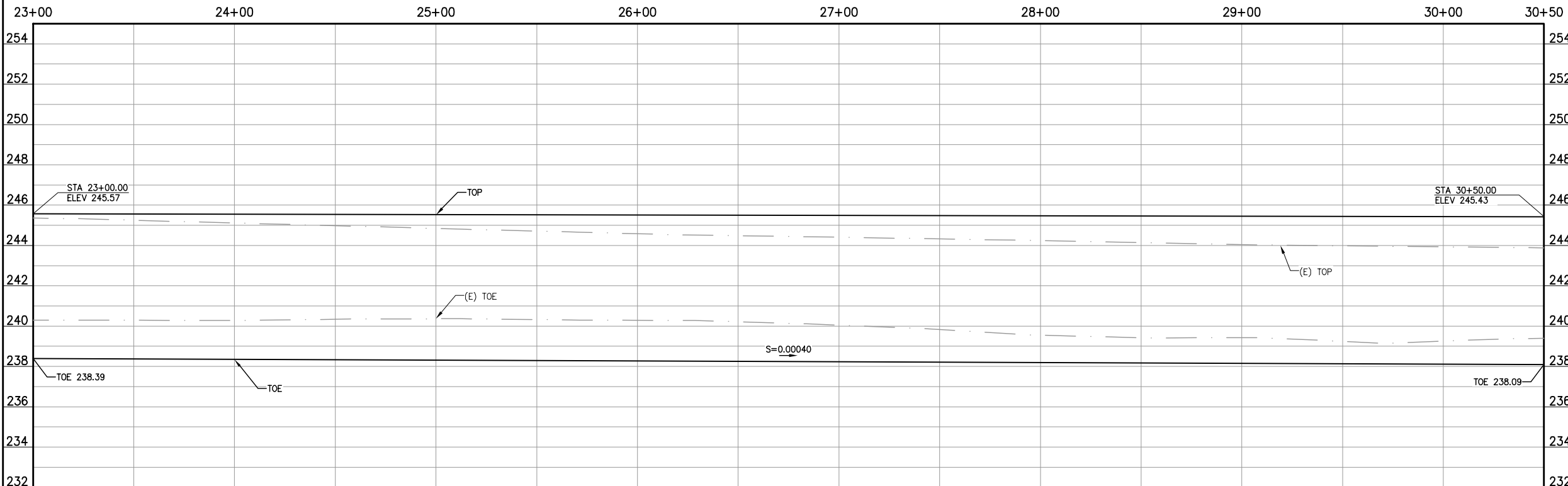
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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT-3 PLAN AND PROFILE  
23+00 - 30+50

**PROPOSED LATERAL 3 CANAL UPSIZE**



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MATT KLINCHUCH  
LICENSE NO:  
83357

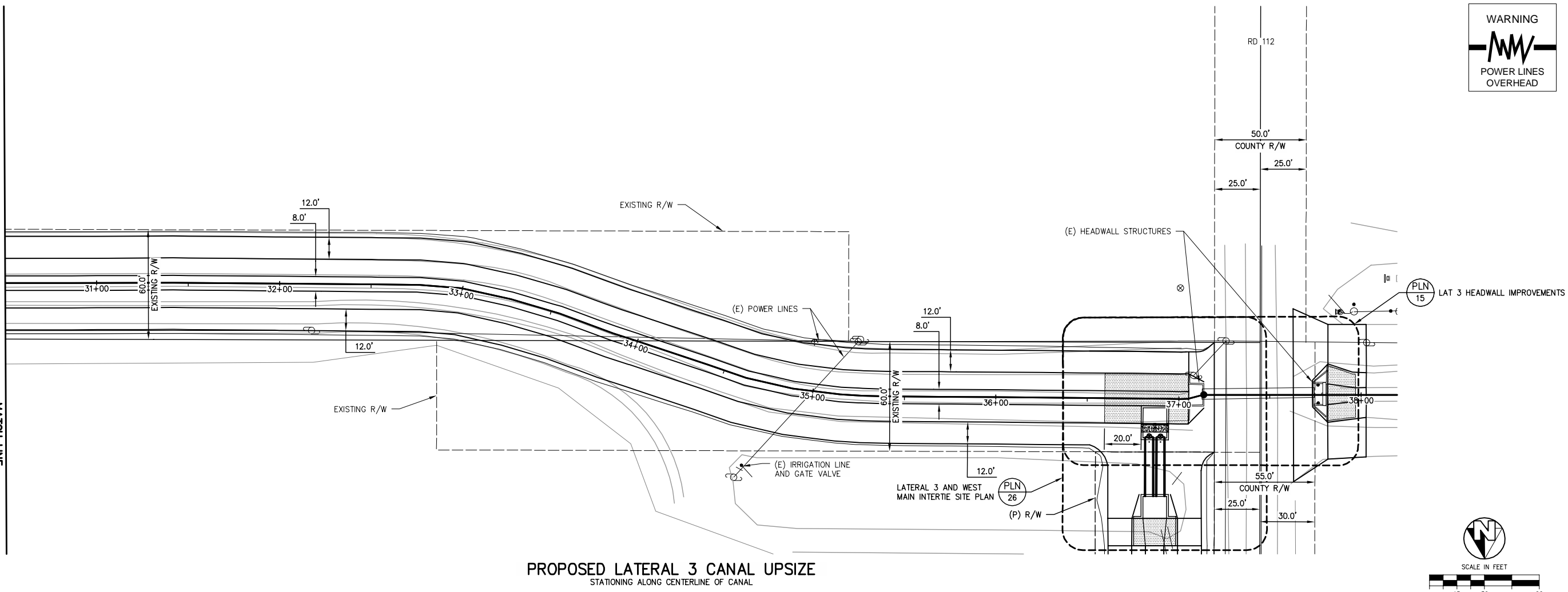
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **7**  
7 OF 86

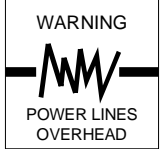
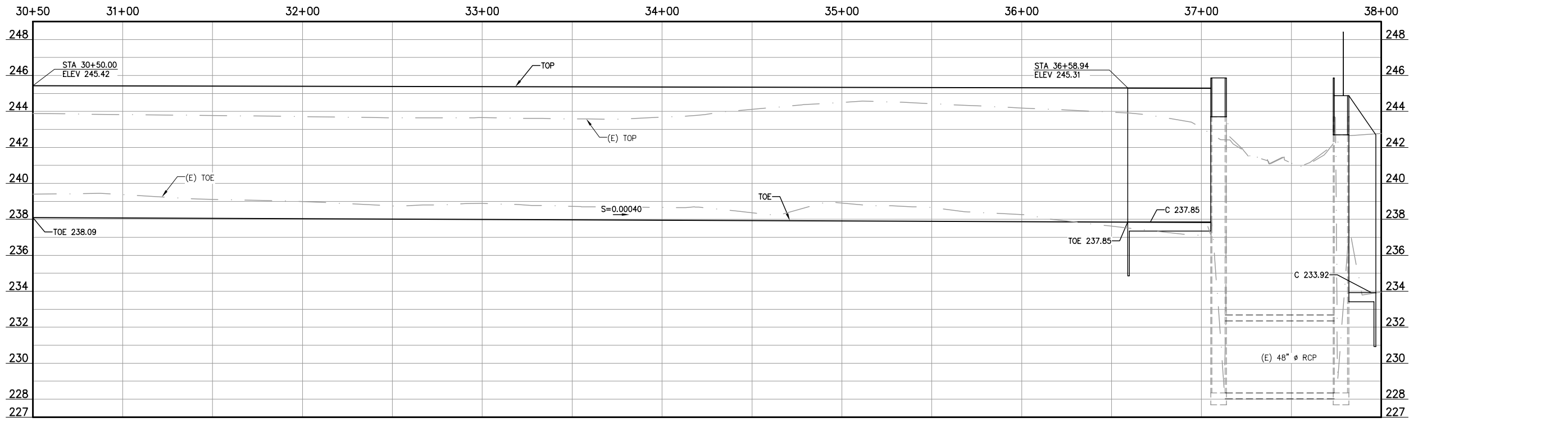


MATCH LINE  
STA 30+50 SEE SHEET 7



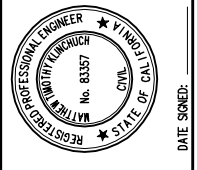
**PROPOSED LATERAL 3 CANAL UPSIZE**  
STATIONING ALONG CENTERLINE OF CANAL

**PROPOSED LATERAL 3 CANAL UPSIZE**



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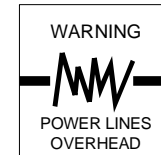
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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT-3 PLAN AND PROFILE  
30+50 - 38+00

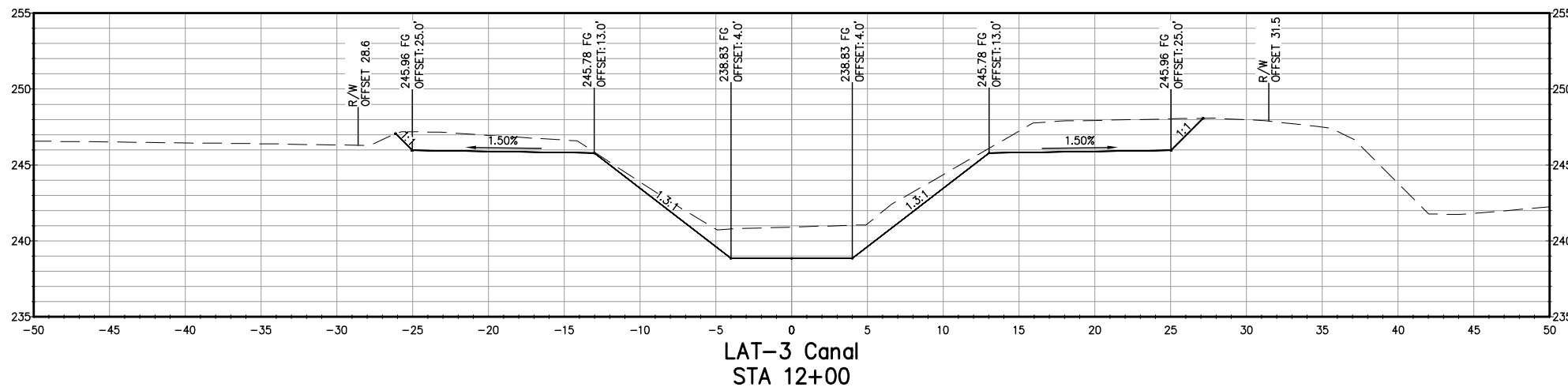
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LICENSE NO: 83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES  
ORIGINAL SCALE SHOWN IS ONE INCH, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET: **8** OF **86**

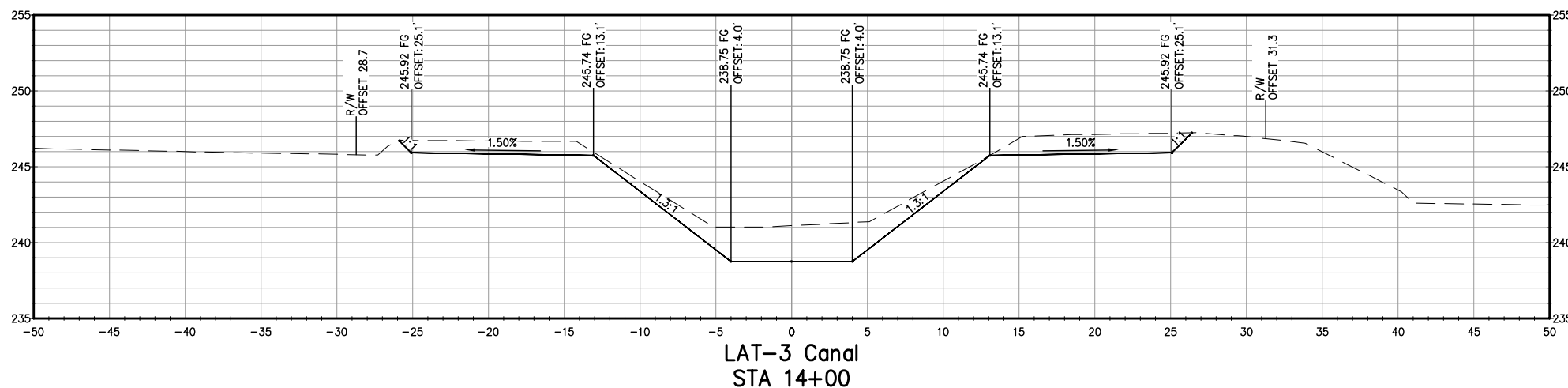


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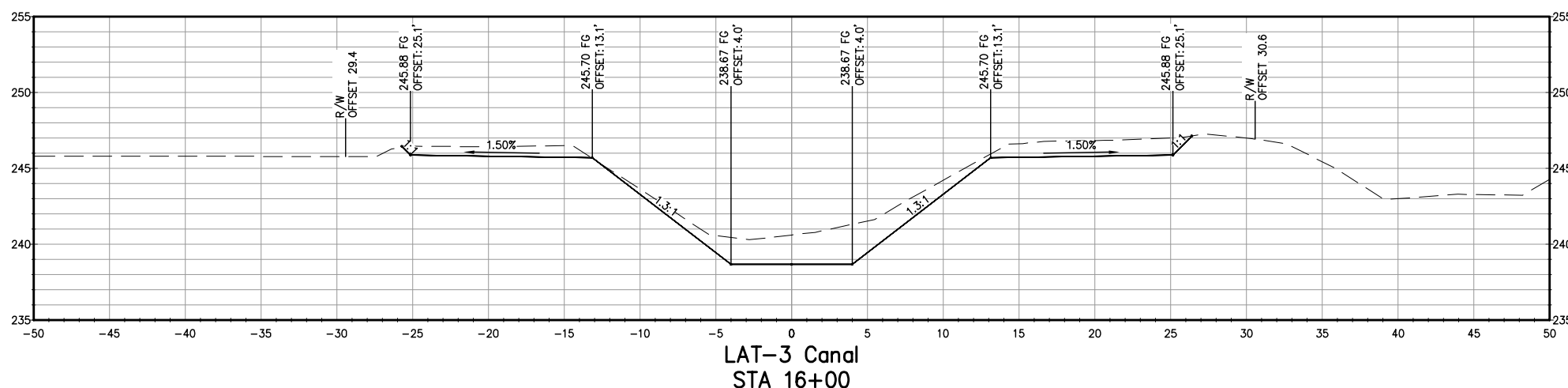
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LAT-3 Canal  
STA 12+00

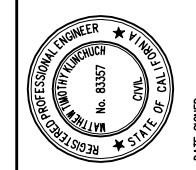


LAT-3 Canal  
STA 14+00



LAT-3 Canal  
STA 16+00

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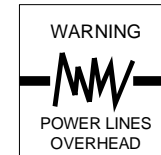
LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 3 SECTIONS  
STA 12+00 - 16+00

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JOB NO: 315920002  
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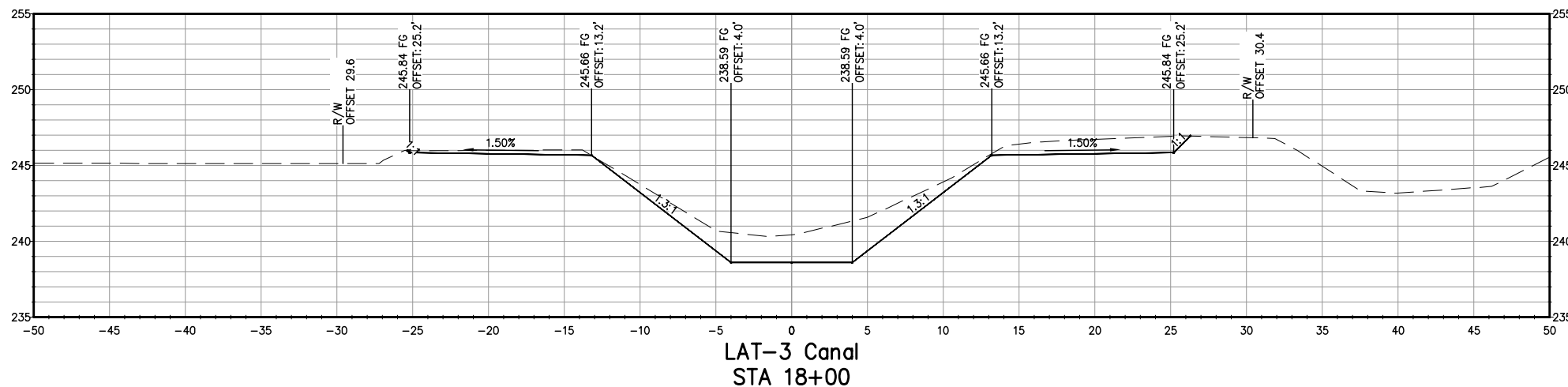
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ORIGINAL SCALE SHOWN IS  
ONE INCH. ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

SHEET 9 OF 86

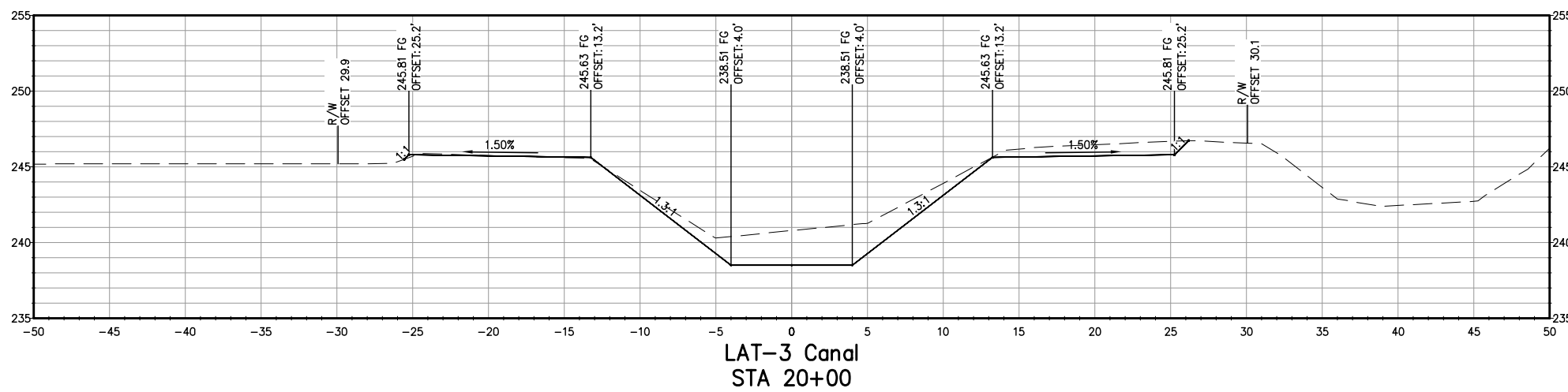


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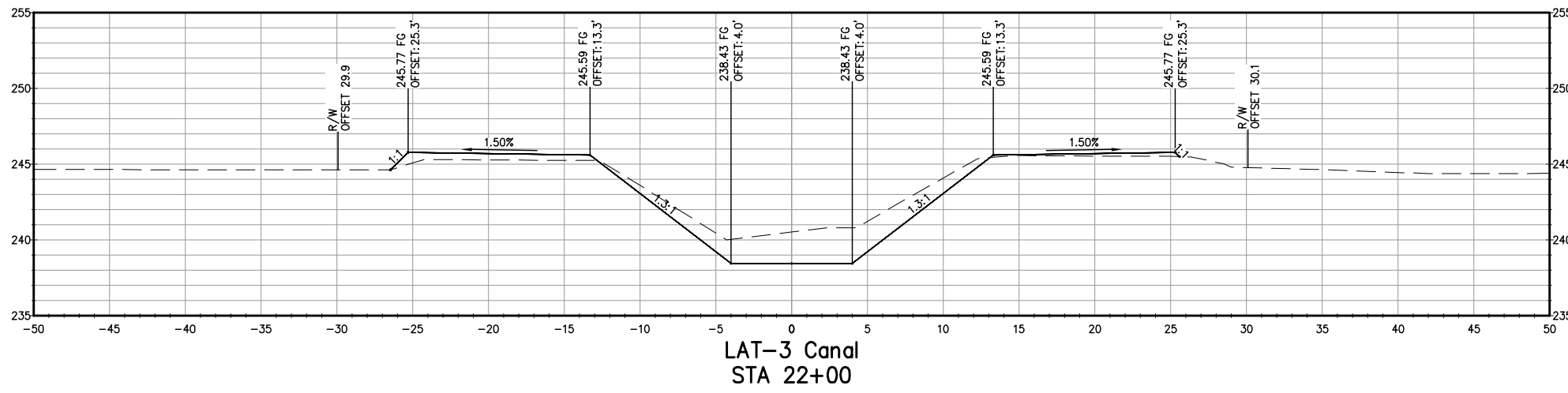
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LAT-3 Canal  
STA 18+00

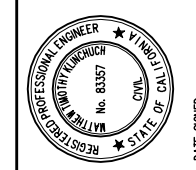


LAT-3 Canal  
STA 20+00



LAT-3 Canal  
STA 22+00

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1/26/2022



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 3 SECTIONS  
STA 18+00 - 22+00

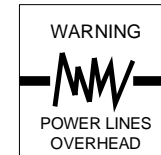
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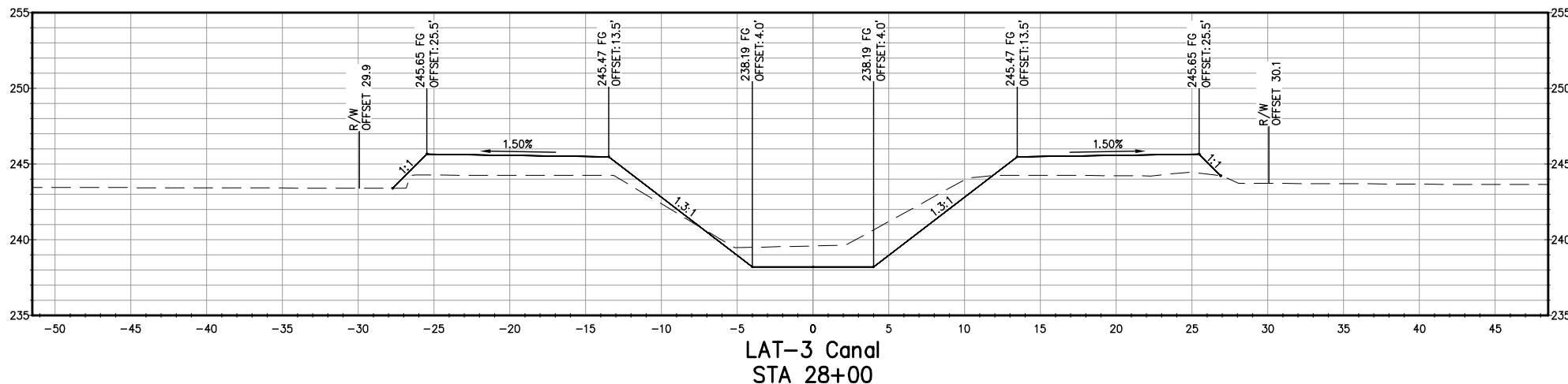
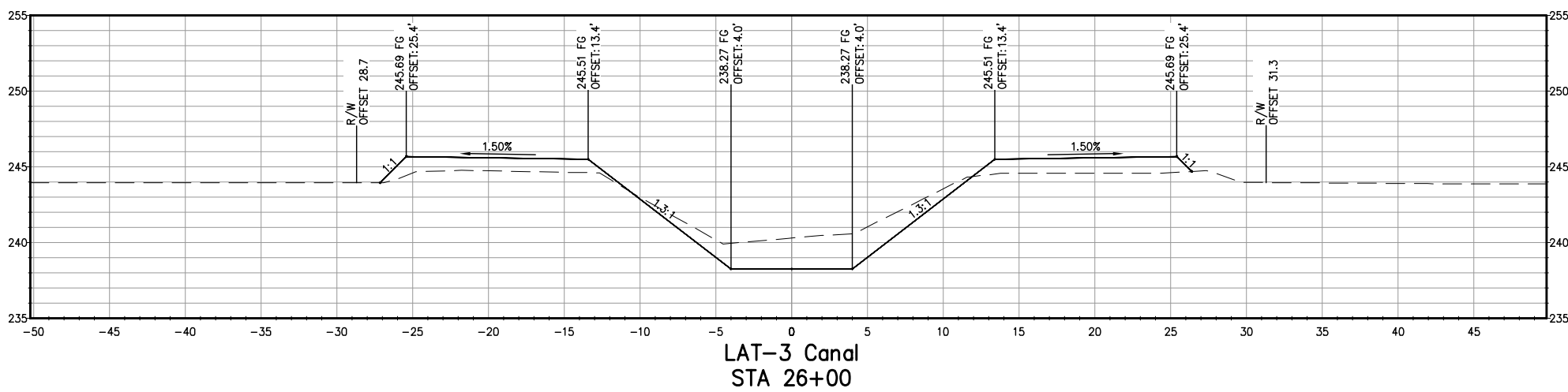
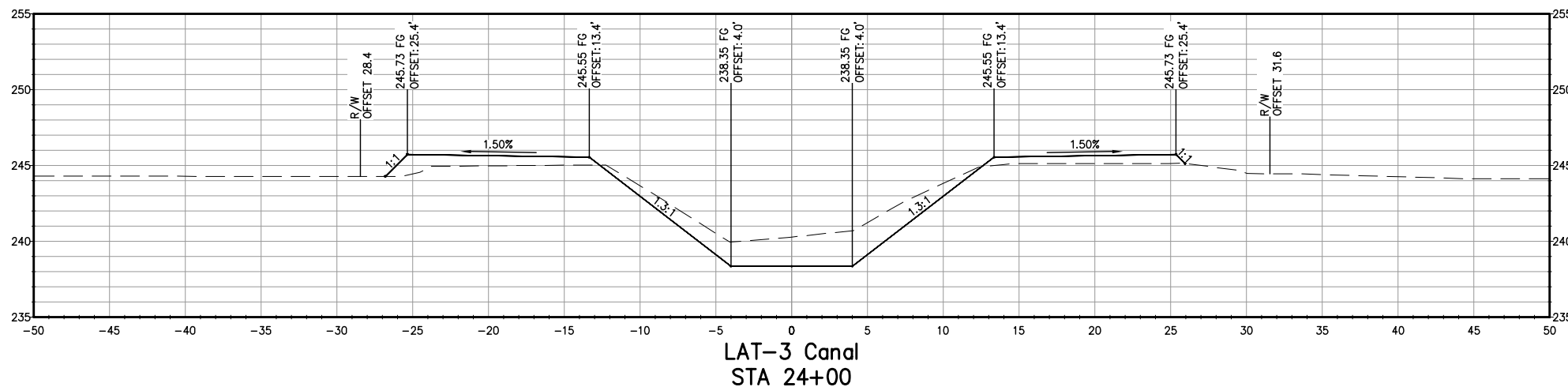
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ORIGINAL SCALE SHOWN IS  
ONE INCH. ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

SHEET 10 OF 86

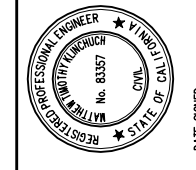




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LATERAL 4 CANAL PROJECT  
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 TULARE COUNTY  
 LAT 3 SECTIONS  
 STA 24+00 - 28+00

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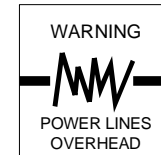
DRAFTED BY: CBC CHECKED BY: MTK  
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JOB NO: 315920002  
 PROJECT NO: 315920002

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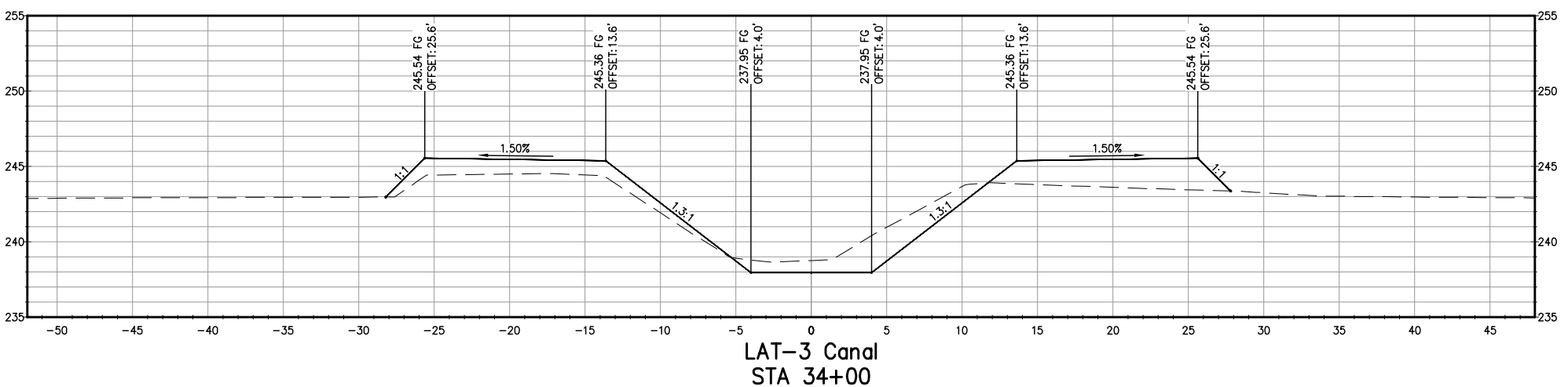
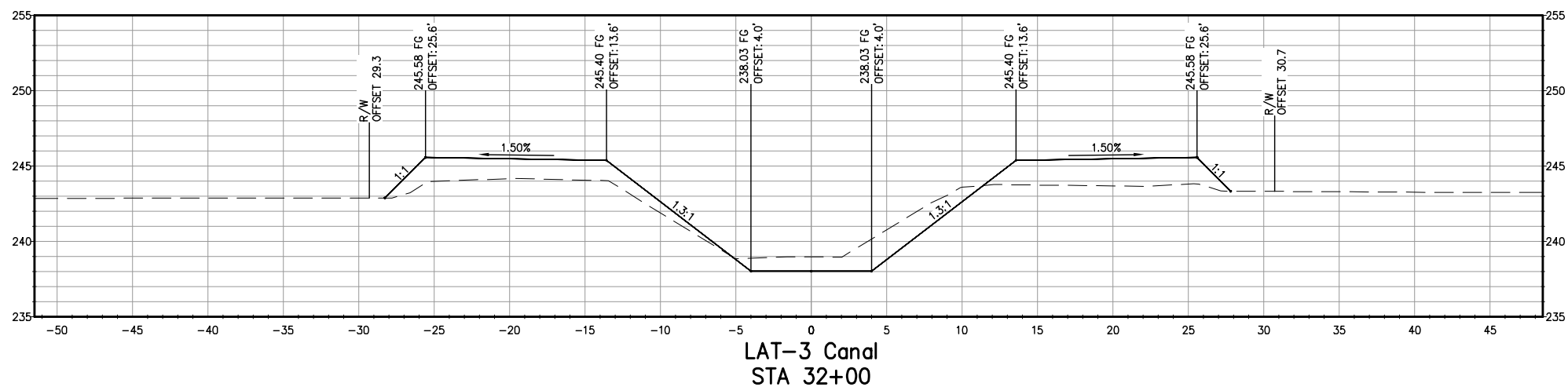
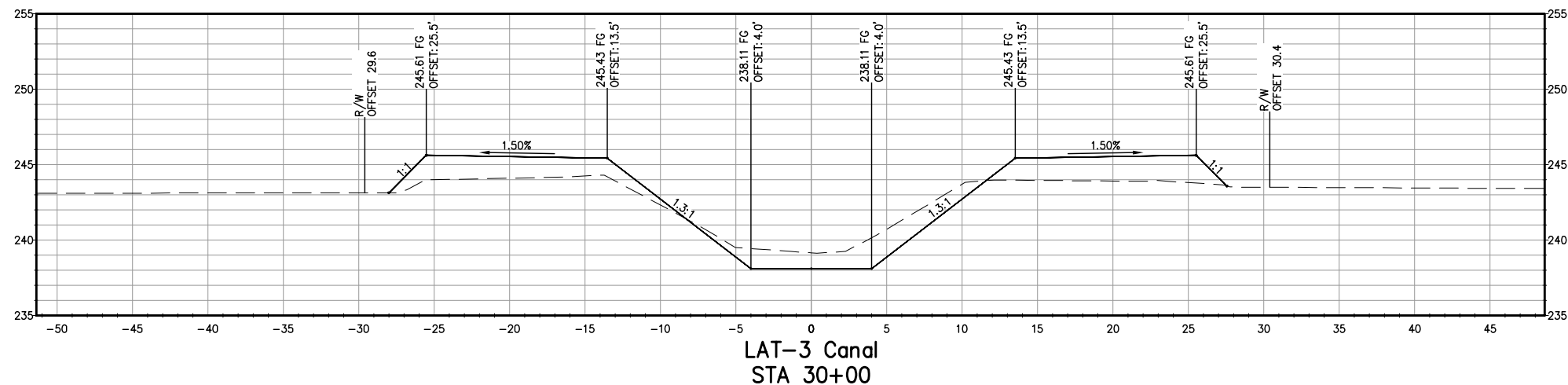
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 ONE INCH. ADJUST SCALE FOR  
 REDUCED OR ENLARGED PLANS.

SHEET **11**  
 11 OF 86

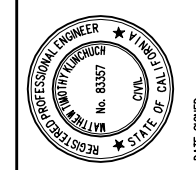


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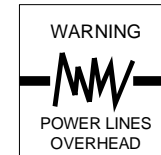
LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 3 SECTIONS  
STA 30+00 - 34+00

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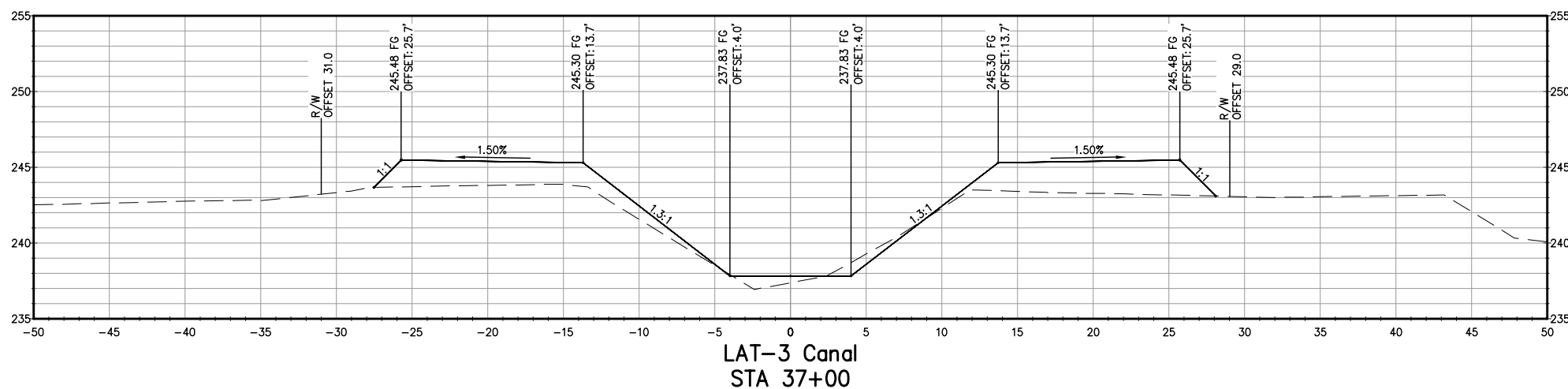
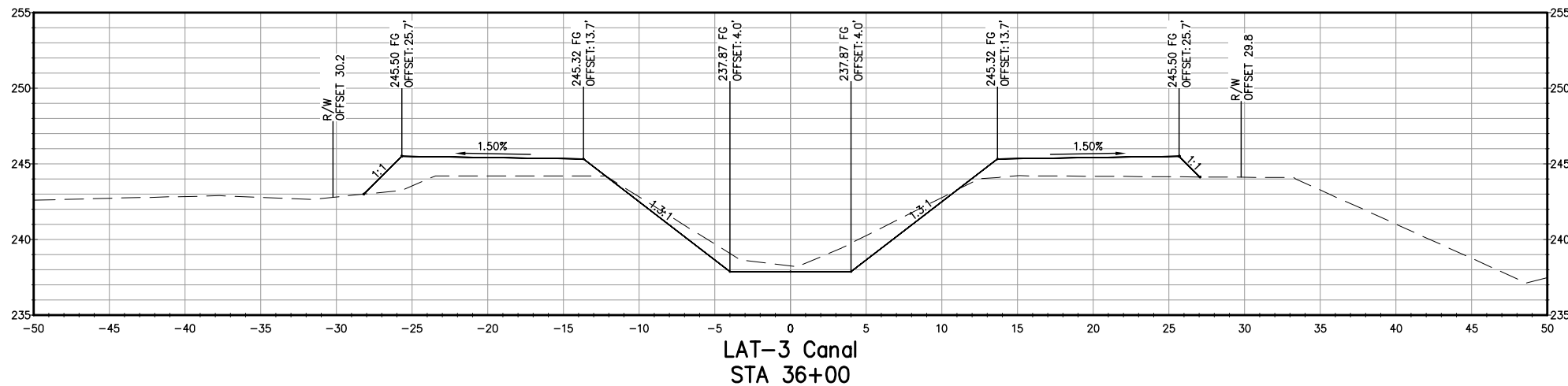
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ORIGINAL SCALE SHOWN IS  
ONE INCH. ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

SHEET **12** OF **86**

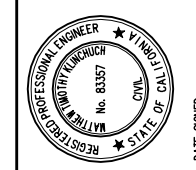


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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 3 SECTIONS  
STA 36+00 - 37+00

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www.ppeng.com

DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002

PHASE: DES  
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ORIGINAL SCALE SHOWN IS  
ONE INCH. ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

SHEET **13**  
13 OF 86





WARNING  
POWER LINES  
OVERHEAD

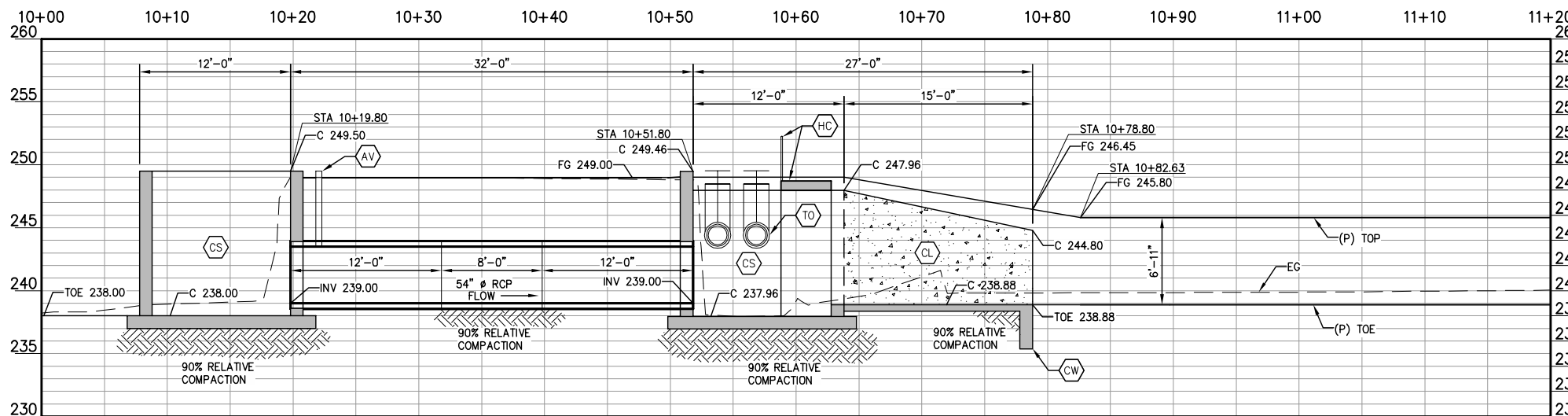
Know what's below.  
Call before you dig.

WARNING  
POWER LINES  
OVERHEAD



Know what's below.  
Call before you dig.

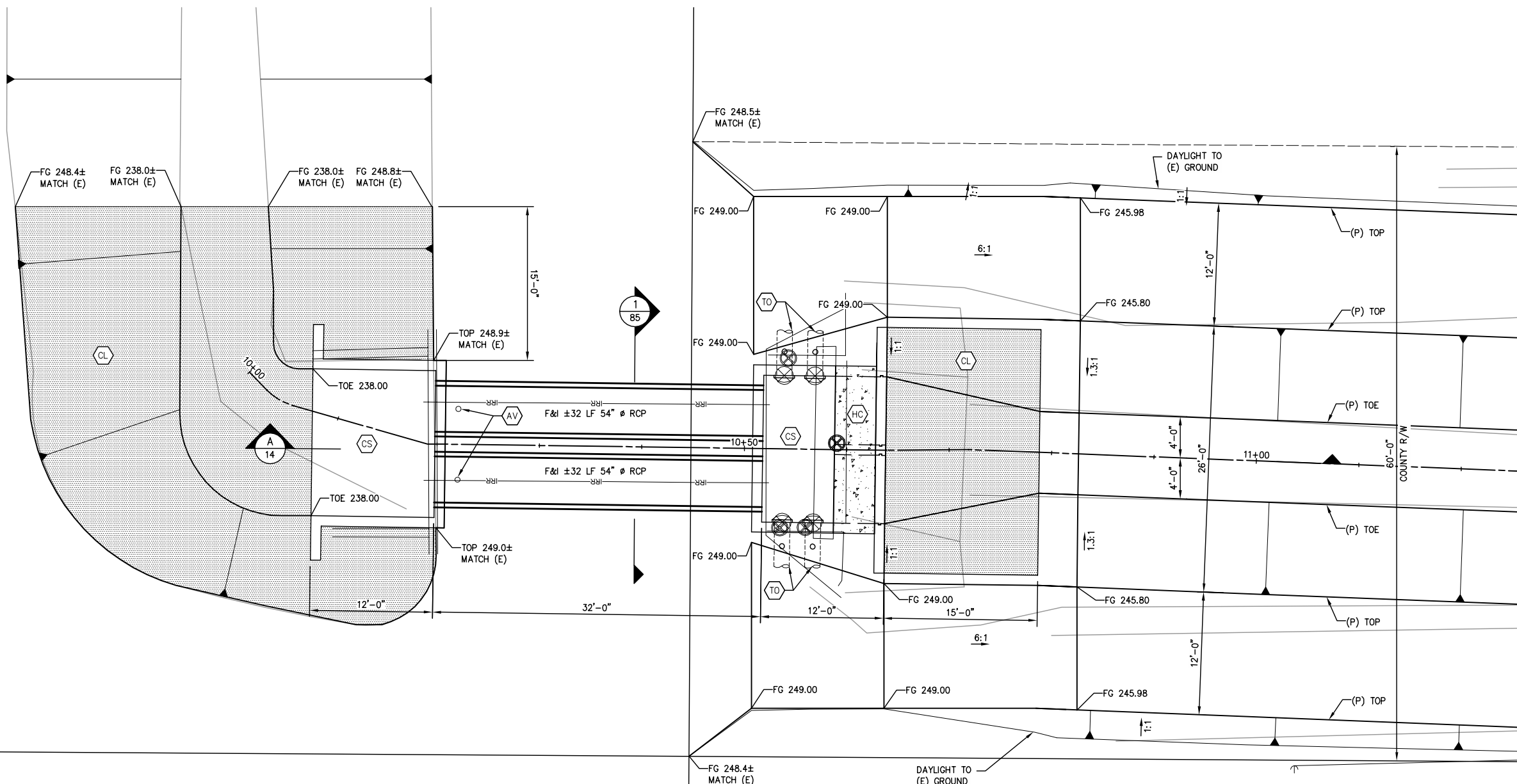
### WEST MAIN CANAL AND LATERAL 3 CANAL HEAD GATE PROFILE



A  
14

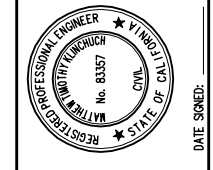
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1/26/2022

No.	REVISION	BY	DATE



#### CONSTRUCTION LEGEND

- CS CONCRETE STRUCTURE
- CL CONCRETE CANAL LINING
- CW CONCRETE CUTOFF WALL
- AV CONCRETE PIPE AIR VENT
- HC HANDRAIL AND CATWALK
- TO TURNOUT



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 3 SITE PLANS  
WM CANAL AND LAT 3 CANAL HEAD GATE

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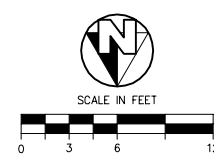
DRAFTED BY: CBC  
CHECKED BY: MTK

DATE: 01/26/2022

JOB NO: 315920002

PROJECT NO: 315920002

PHASE: DES

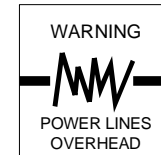


PLN  
14

### WEST MAIN CANAL AND LATERAL 3 CANAL HEAD GATE SITE PLAN

SHEET 14 OF 86

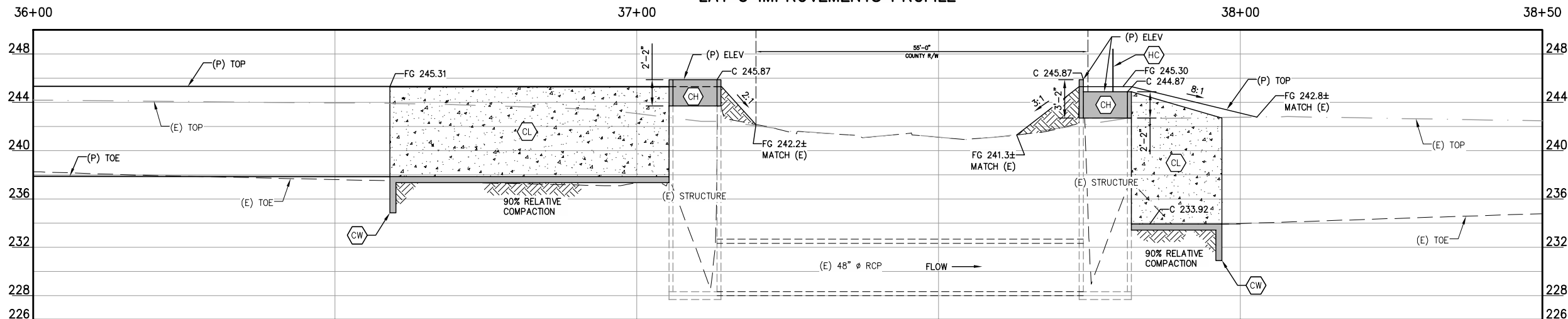
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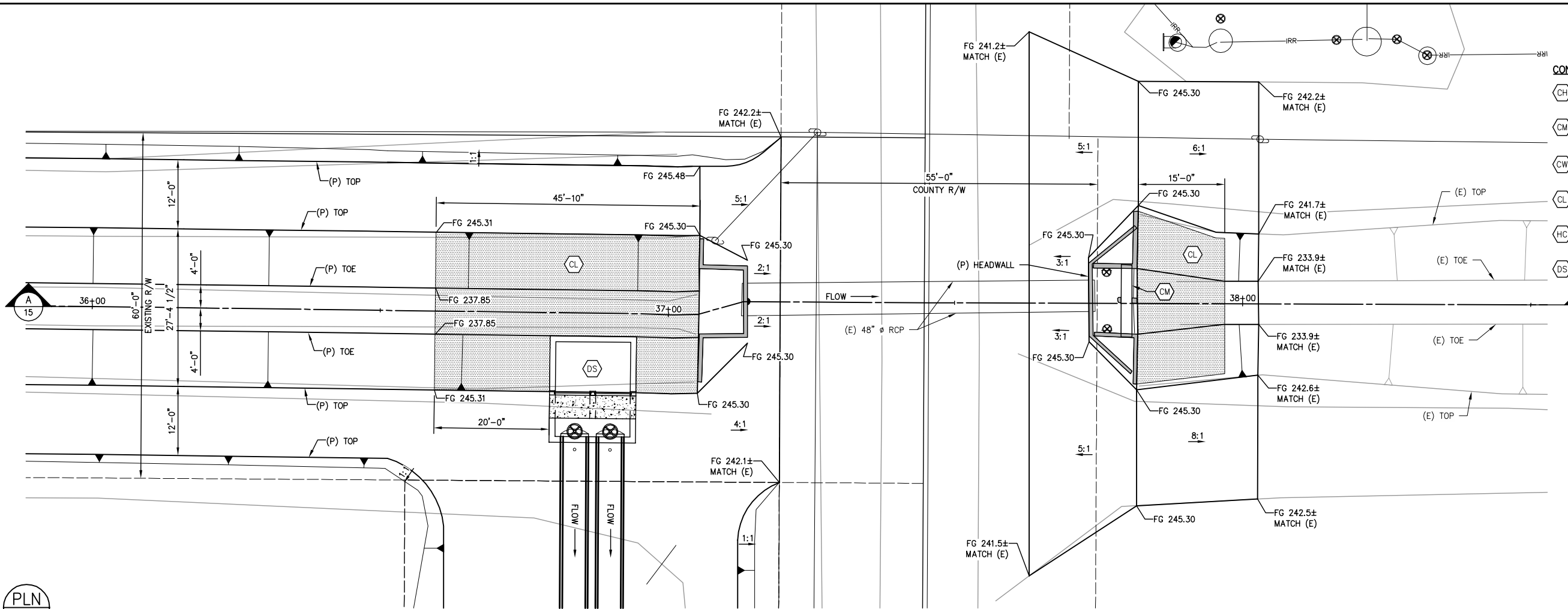
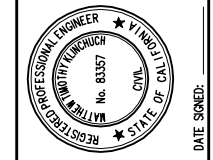
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### LAT 3 IMPROVEMENTS PROFILE



A 15

No.	REVISION	BY	DATE
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	1/26/2022		

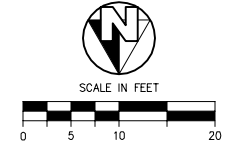


#### CONSTRUCTION LEGEND

- CH CONCRETE HEADWALL EXTENSION (9/85)
- CM CATWALK MODIFICATION (10/85)
- CW CONCRETE CUTOFF WALL (3/84)
- CL CONCRETE CANAL LINING (7/84)
- HC HANDRAIL AND CATWALK (8/84)
- DS DIVERSION STRUCTURE (1/80)

### LAT 3 IMPROVEMENTS SITE PLAN

PLN 15



LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 LAT 3 SITE PLANS  
 LAT 3 HEADWALL IMPROVEMENTS  
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DESIGN ENGINEER: MATT KLINCHUCH  
 LICENSE NO: 83357

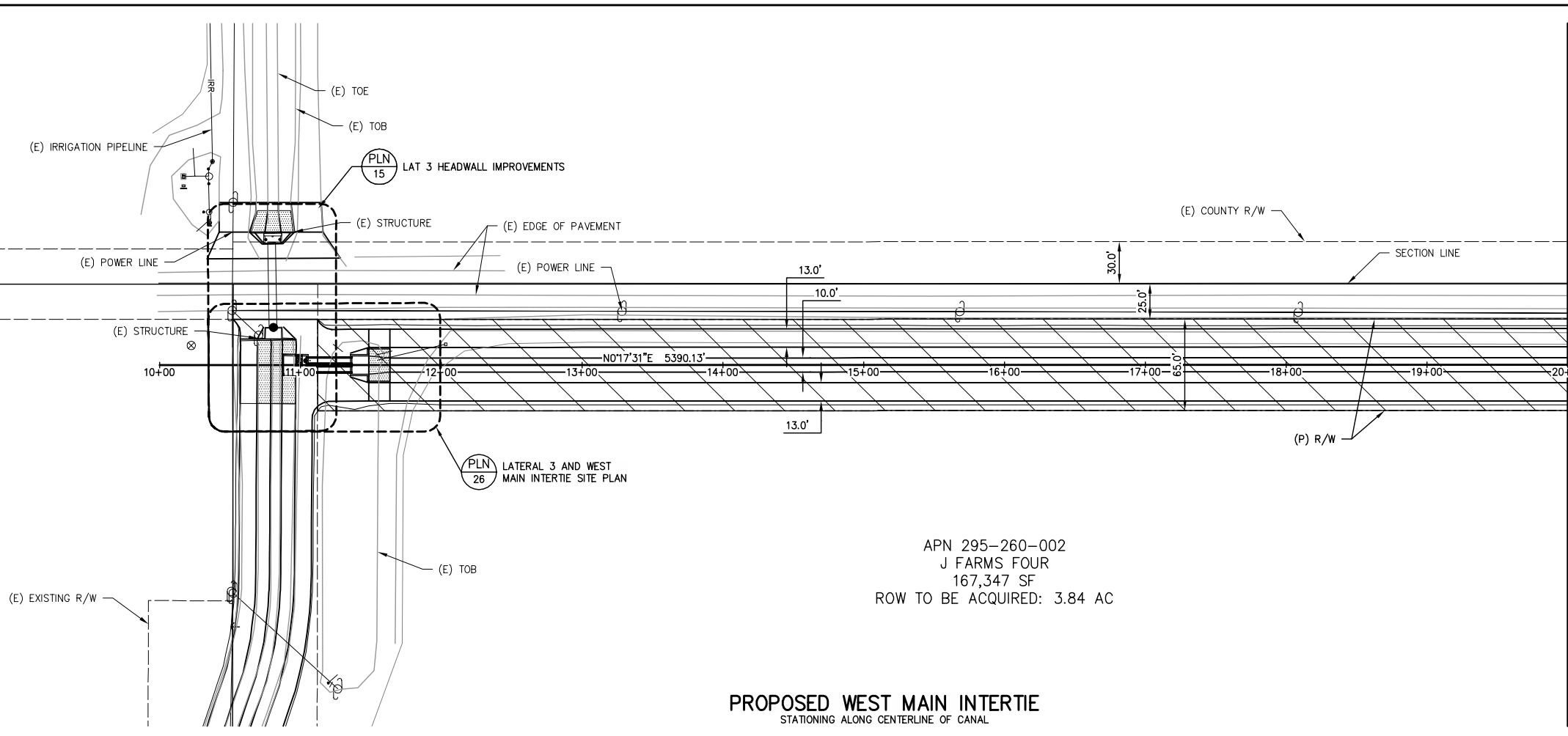
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 DATE: 01/26/2022

JOB NO: 315920002  
 PROJECT NO: 315920002

PHASE: DES

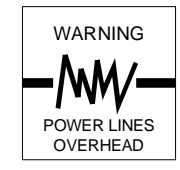
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SHEET 15 OF 86

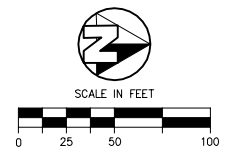


APN 295-260-002  
 J FARMS FOUR  
 167,347 SF  
 ROW TO BE ACQUIRED: 3.84 AC

**PROPOSED WEST MAIN INTERTIE**  
 STATIONING ALONG CENTERLINE OF CANAL

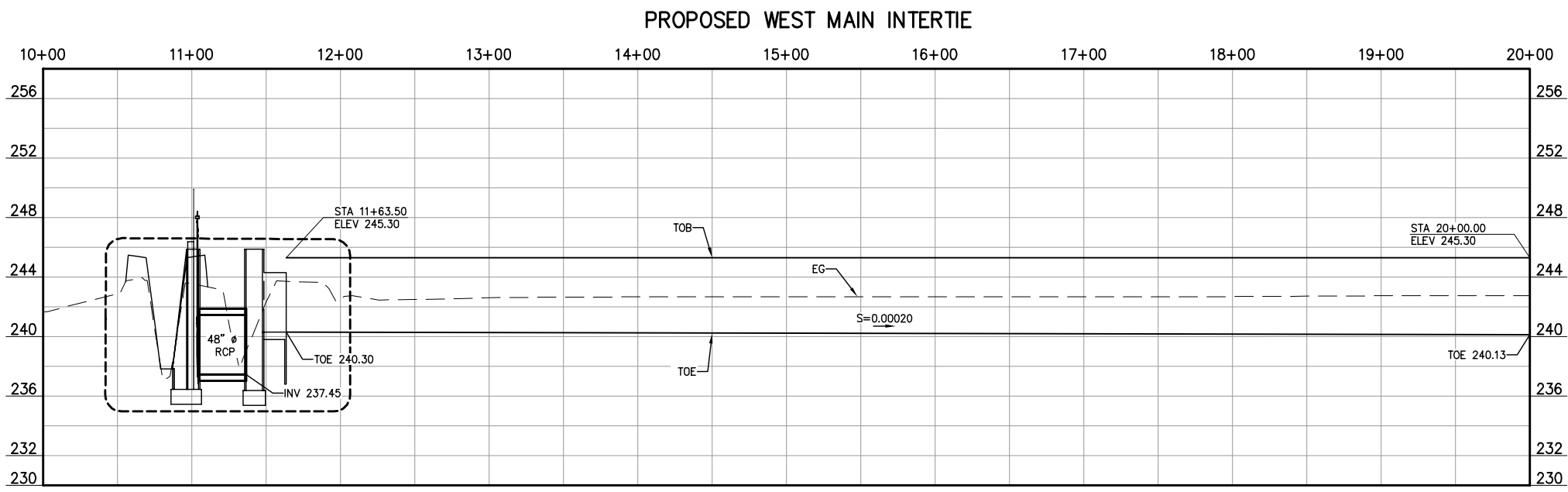


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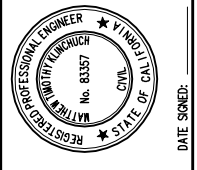


**Cut/Fill Summary**

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VOL-WM EXTEN	1.000	1.300	287154.91 Sq. Ft.	12282.68 Cu. Yd.	11610.86 Cu. Yd.	671.82 Cu. Yd.<Cut>
<b>Totals</b>			<b>287154.91 Sq. Ft.</b>	<b>12282.68 Cu. Yd.</b>	<b>11610.86 Cu. Yd.</b>	<b>671.82 Cu. Yd.&lt;Cut&gt;</b>



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LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 WM INTERTIE PLAN AND PROFILE  
 10+00 - 20+00

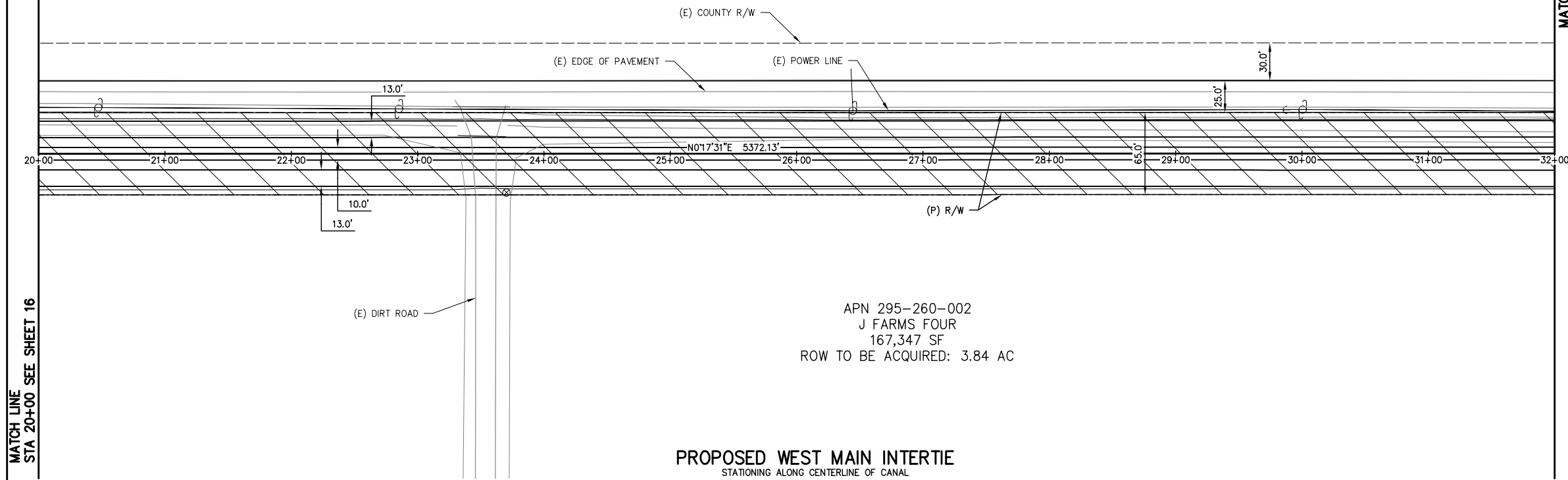
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 MATT KLINCHUCH  
 LICENSE NO:  
 83357  
 DRAFTED BY: CBC CHECKED BY: MTK  
 DATE: 01/26/2022  
 JOB NO: 315920002  
 PROJECT NO: 315920002  
 PHASE: DES

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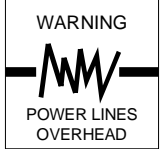
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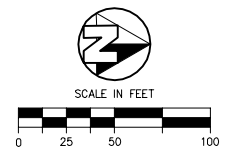
APN 295-260-002  
J FARMS FOUR  
167,347 SF  
ROW TO BE ACQUIRED: 3.84 AC

**PROPOSED WEST MAIN INTERTIE**  
STATIONING ALONG CENTERLINE OF CANAL

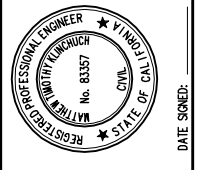
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STA 32+00 SEE SHEET 18



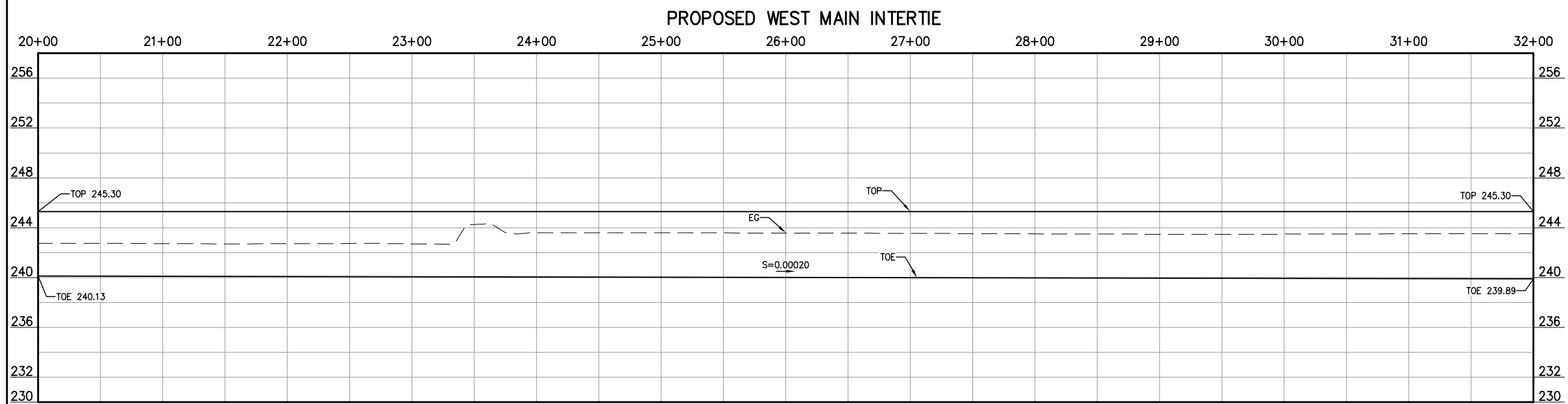
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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
WM INTERTIE PLAN AND PROFILE  
20+00 - 32+00



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MATT KLINCHUCH  
LICENSE NO:  
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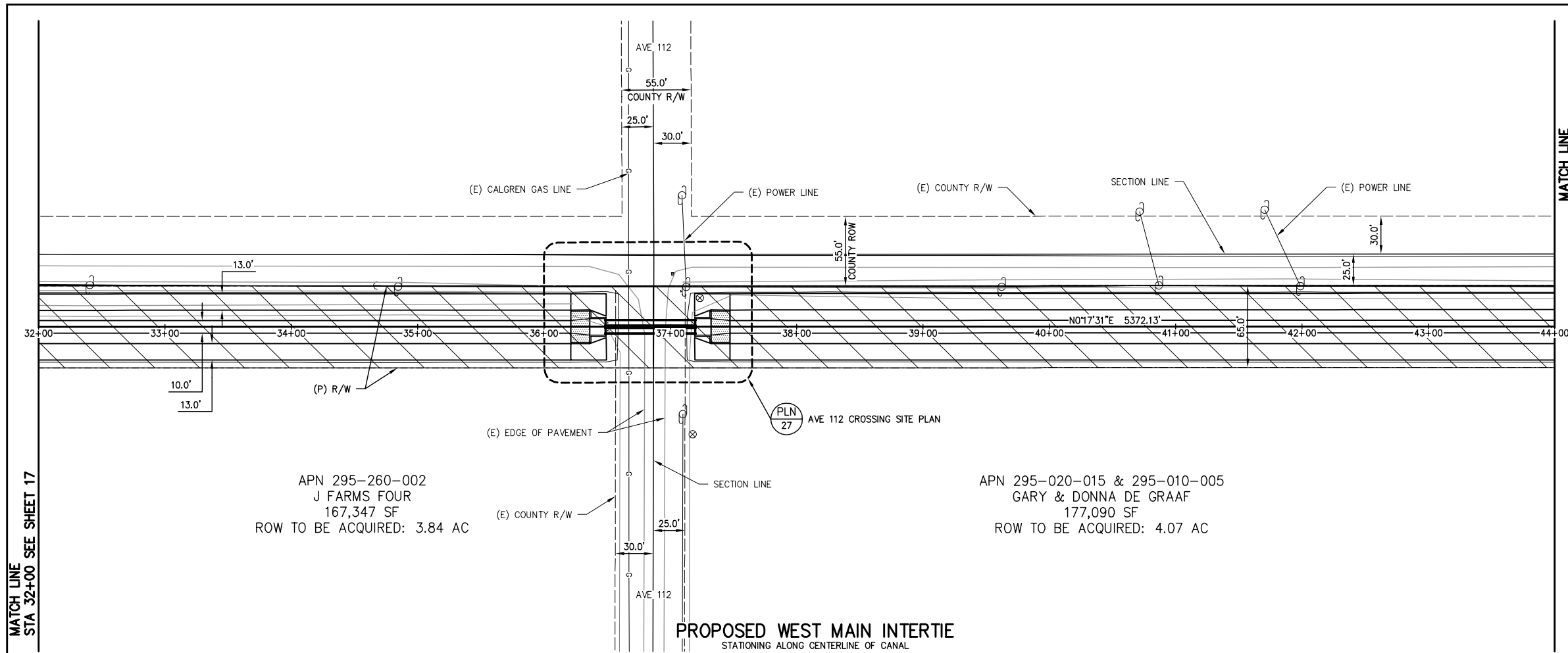
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PROJECT NO: 315920002

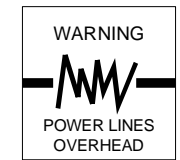
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ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

MATCH LINE  
STA 32+00 SEE SHEET 17



MATCH LINE  
STA 44+00 SEE SHEET 19

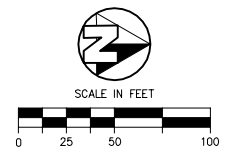


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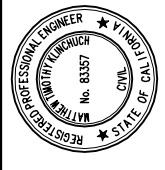
APN 295-260-002  
J FARMS FOUR  
167,347 SF  
ROW TO BE ACQUIRED: 3.84 AC

APN 295-020-015 & 295-010-005  
GARY & DONNA DE GRAAF  
177,090 SF  
ROW TO BE ACQUIRED: 4.07 AC

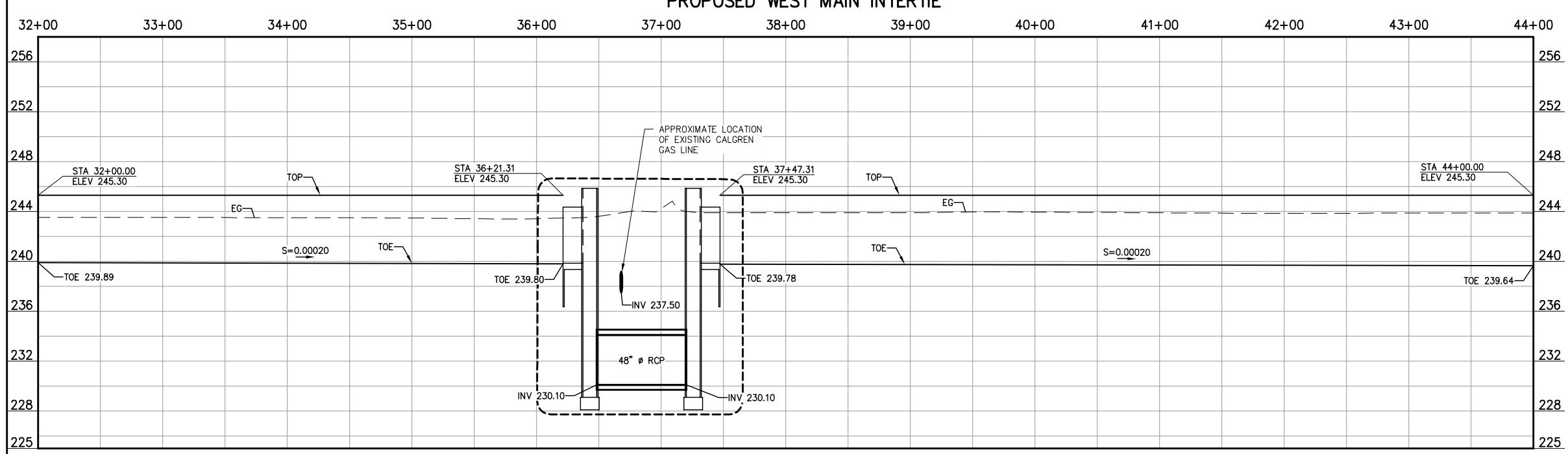
**PROPOSED WEST MAIN INTERTIE**  
STATIONING ALONG CENTERLINE OF CANAL



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1/26/2022



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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
WM INTERTIE PLAN AND PROFILE  
32+00 - 44+00

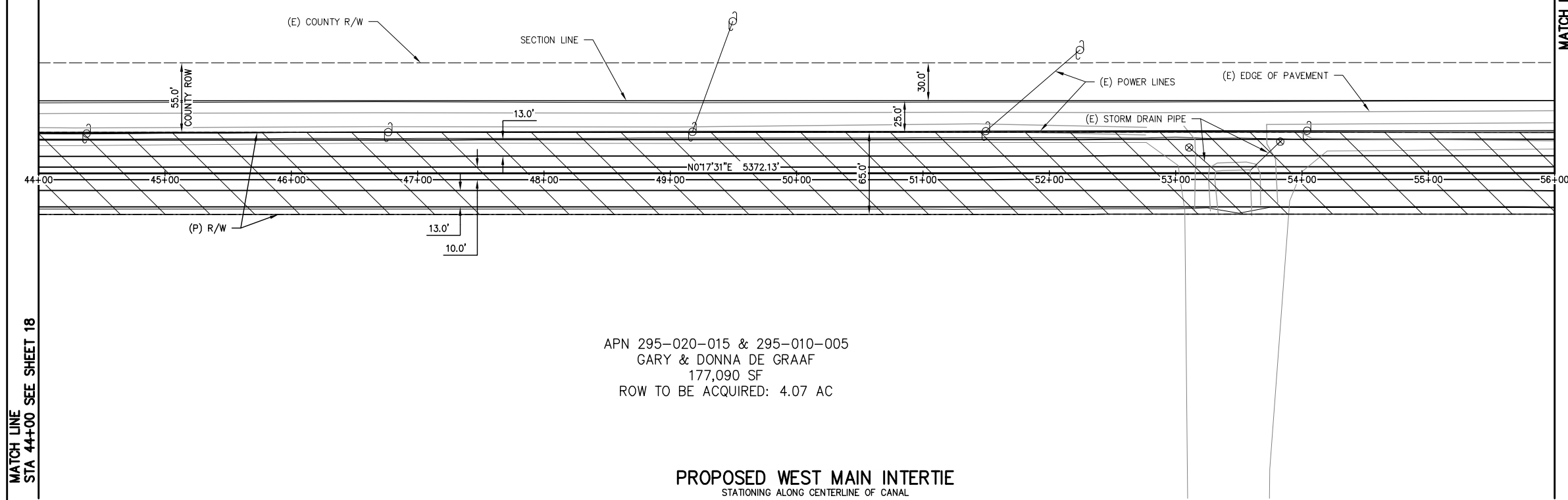
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PROJECT NO: 315920002  
PHASE: DES

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REDUCED OR ENLARGED PLANS.

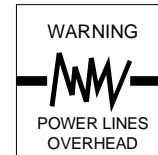
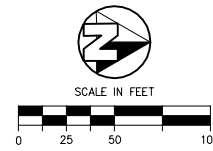
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MATCH LINE  
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APN 295-020-015 & 295-010-005  
GARY & DONNA DE GRAAF  
177,090 SF  
ROW TO BE ACQUIRED: 4.07 AC

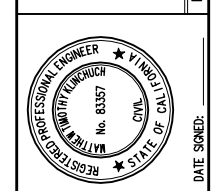
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STATIONING ALONG CENTERLINE OF CANAL



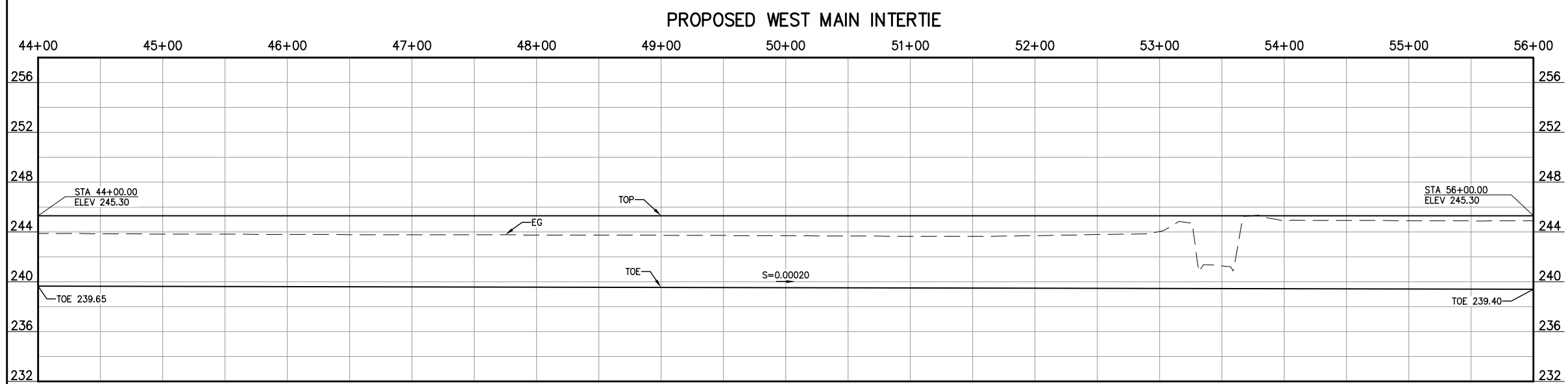
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TULARE COUNTY  
WM INTERTIE PLAN AND PROFILE  
44+00 - 56+00



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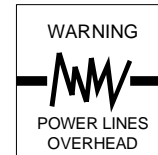
DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357

DRAFTED BY: CBC      CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES

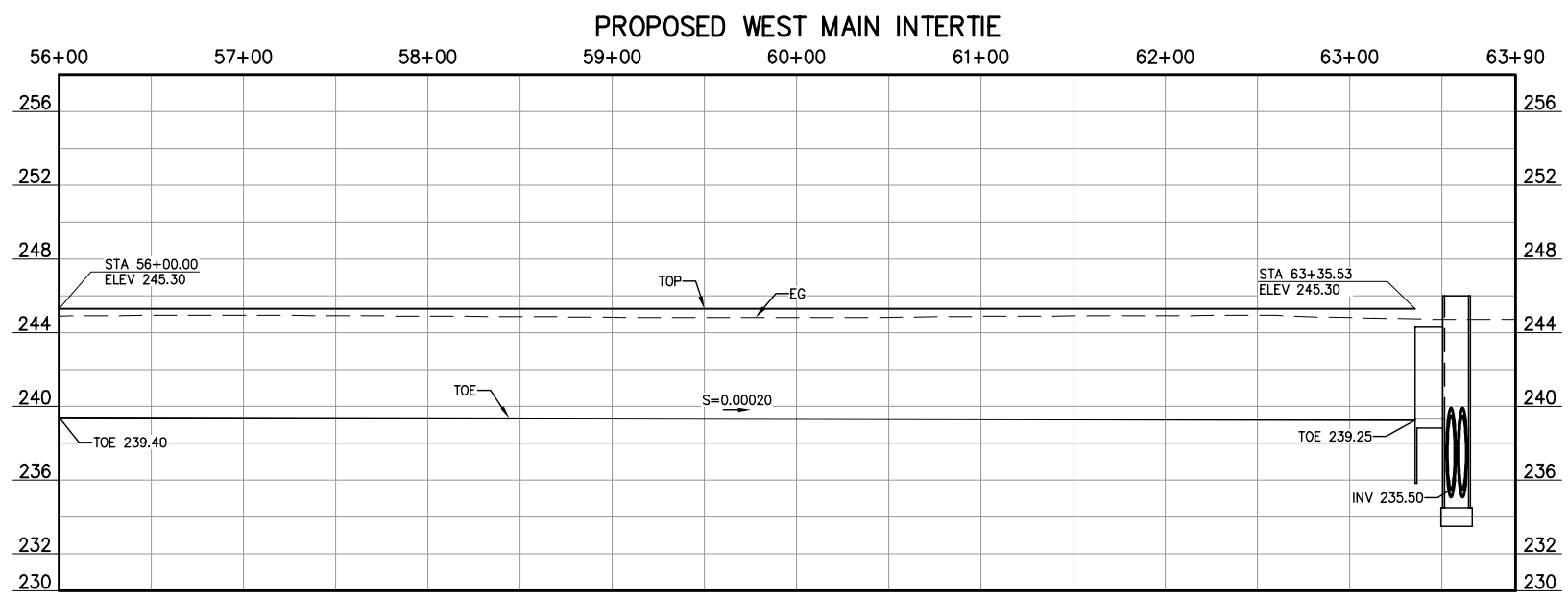
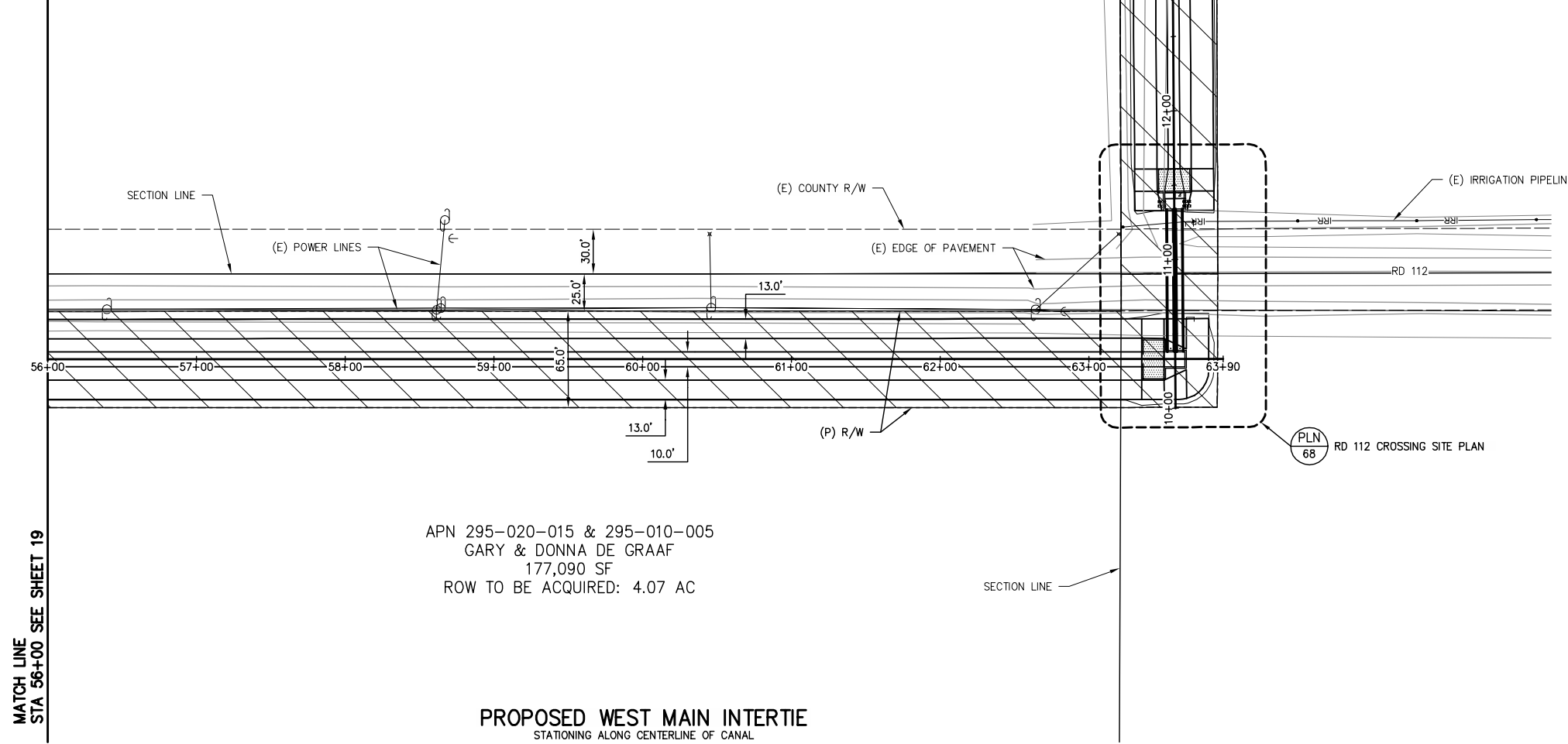
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **19** OF **86**

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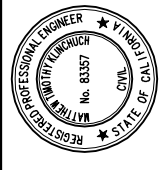


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MATCH LINE  
STA 56+00 SEE SHEET 19

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TULARE COUNTY  
WM INTERTIE PLAN AND PROFILE  
56+00 - 63+90

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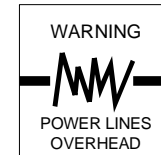
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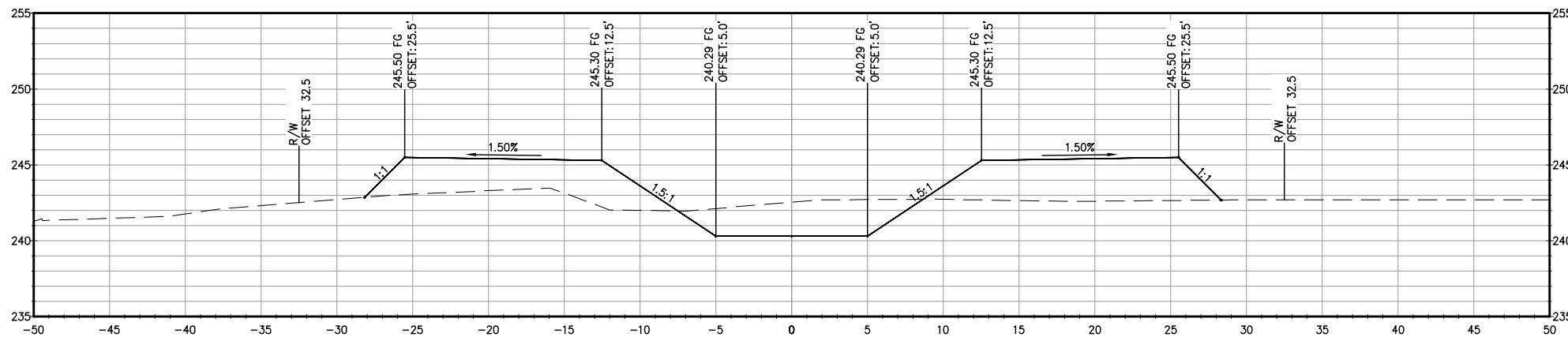
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REDUCED OR ENLARGED PLANS.

SHEET **20**  
20 OF 86

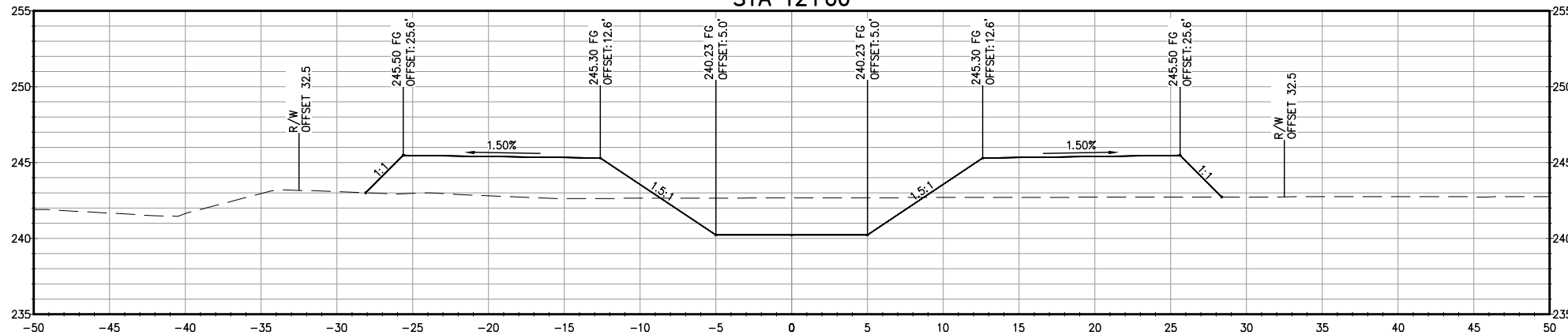


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Call before you dig.

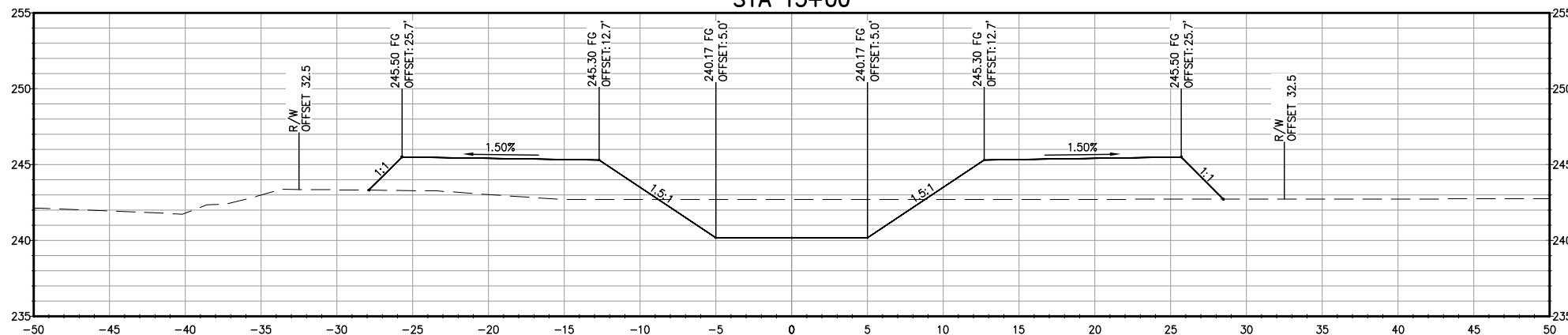
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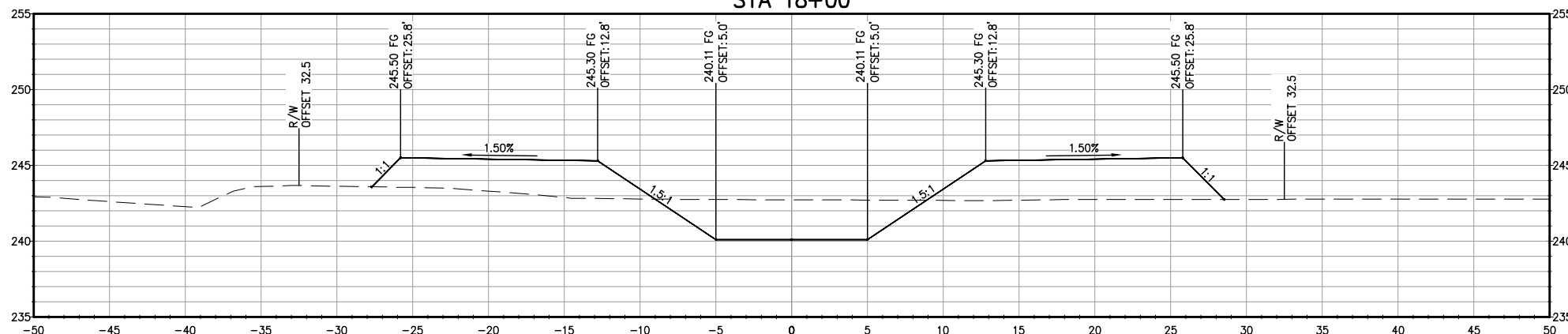
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WM EXTEN  
STA 15+00

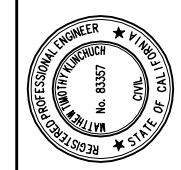


WM EXTEN  
STA 18+00



WM EXTEN  
STA 21+00

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1/26/2022



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
WM INTERIE SECTIONS  
STA 12+00 - 21+00

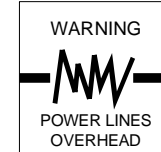
PROVOST & PRITCHARD CONSULTING GROUP  
An Employee Owned Company  
130 NORTH GARDEN STREET  
VISA, CALIFORNIA 93291-6882  
559/636-1166 FAX 559/636-1177  
www.pprg.com

DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002

PHASE: DES  
ORIGINAL SCALE SHOWN IS  
ONE INCH, ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

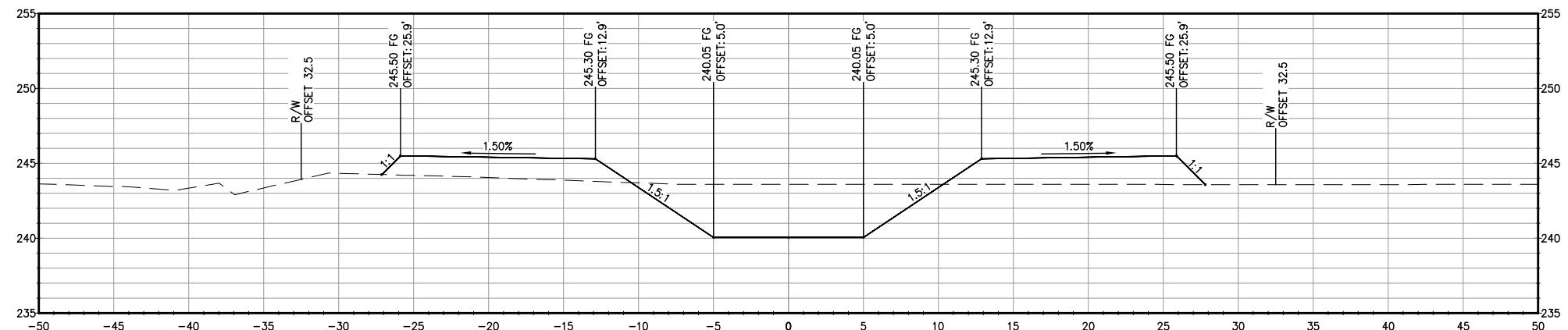
SHEET 21 OF 86



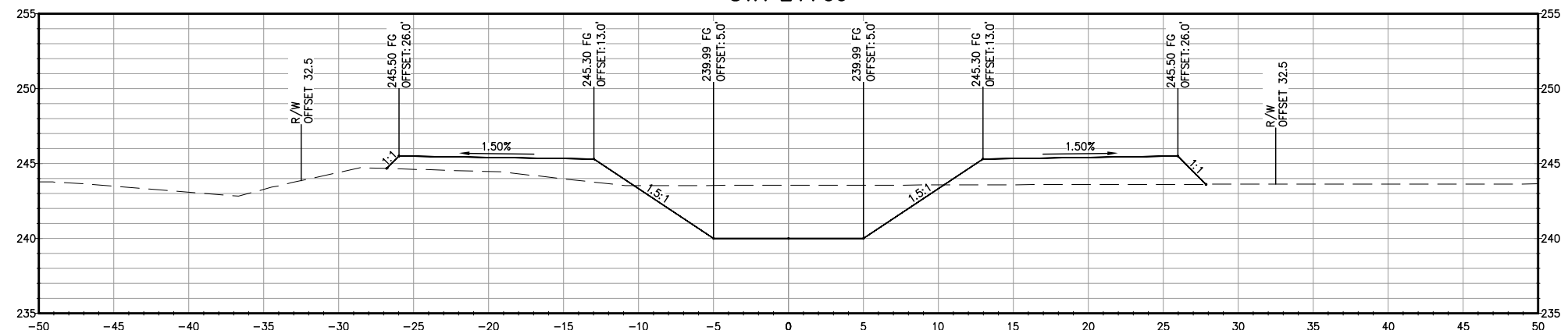


Know what's below.  
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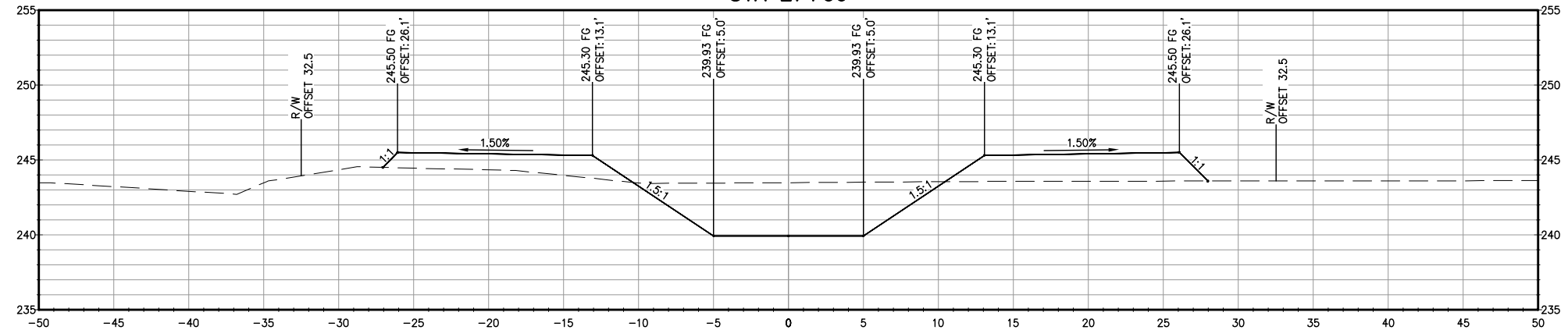
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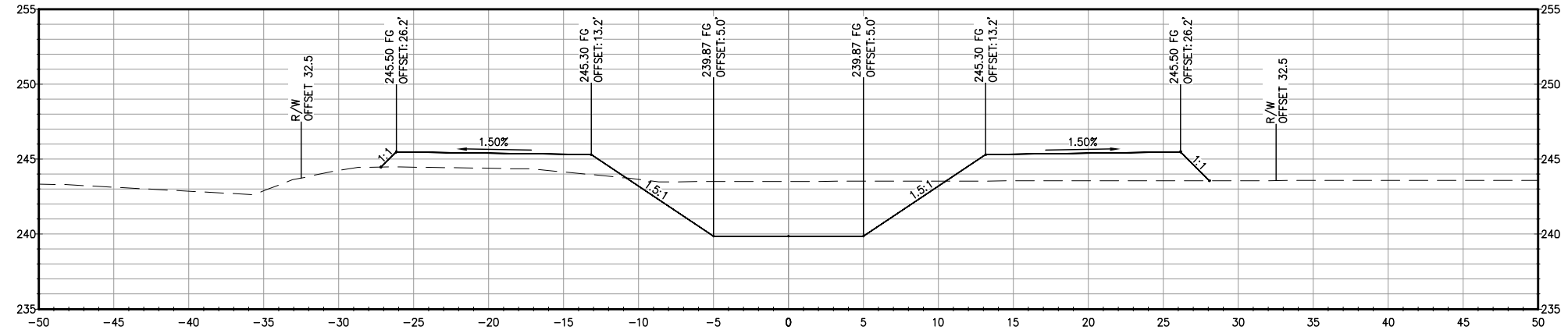
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STA 24+00



WM EXTEN  
STA 27+00

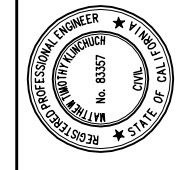


WM EXTEN  
STA 30+00



WM EXTEN  
STA 33+00

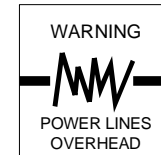
**NOT FOR CONSTRUCTION**  
1/26/2022



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
WM INTERIE SECTIONS  
STA 24+00 - 33+00

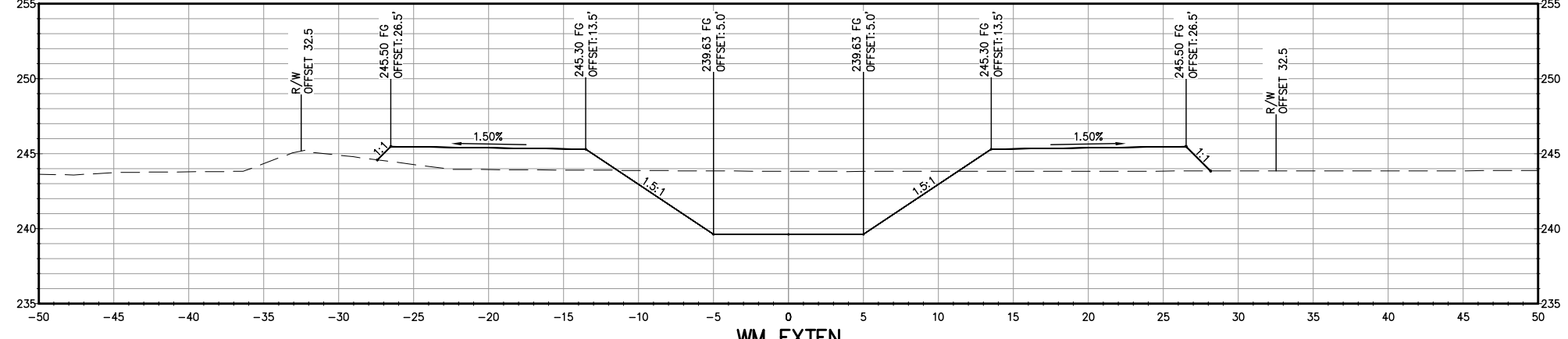
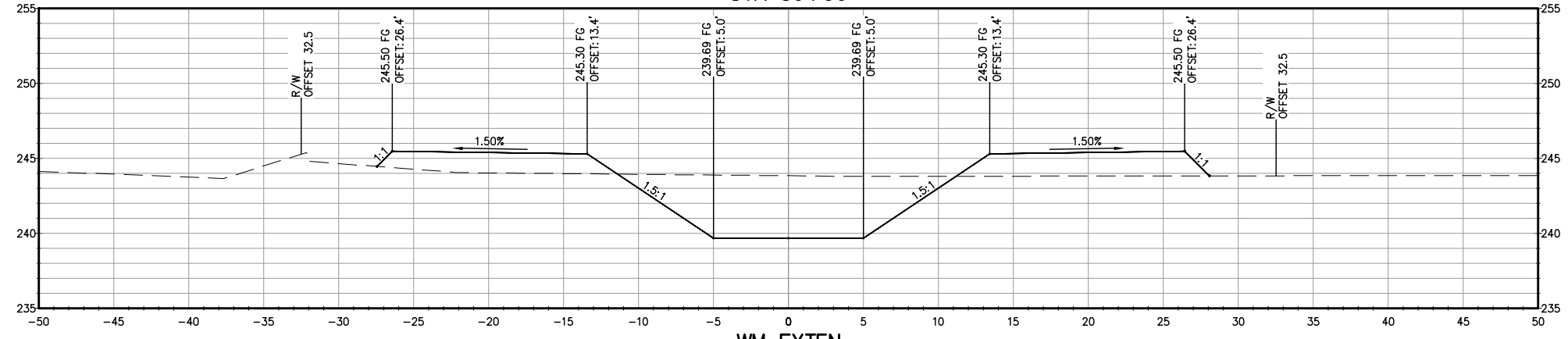
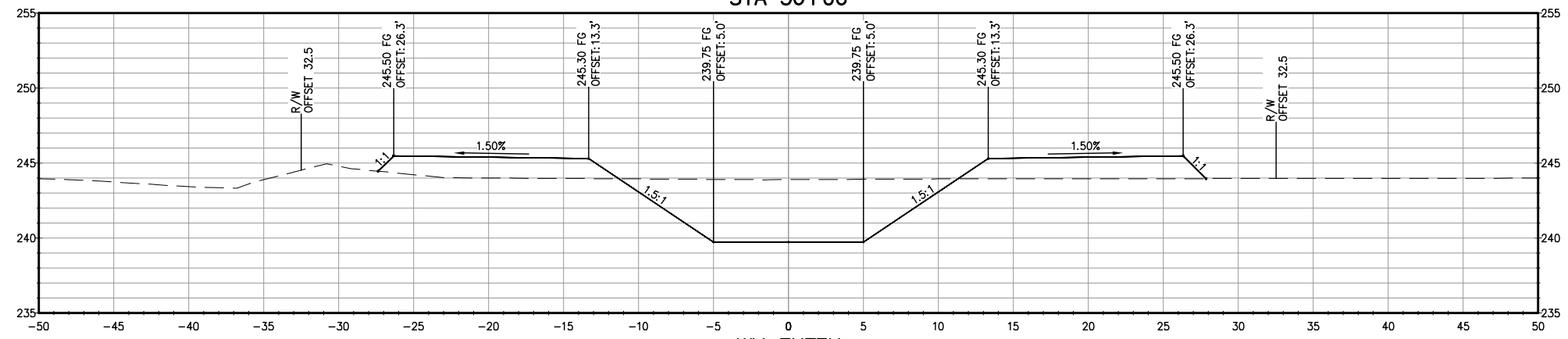
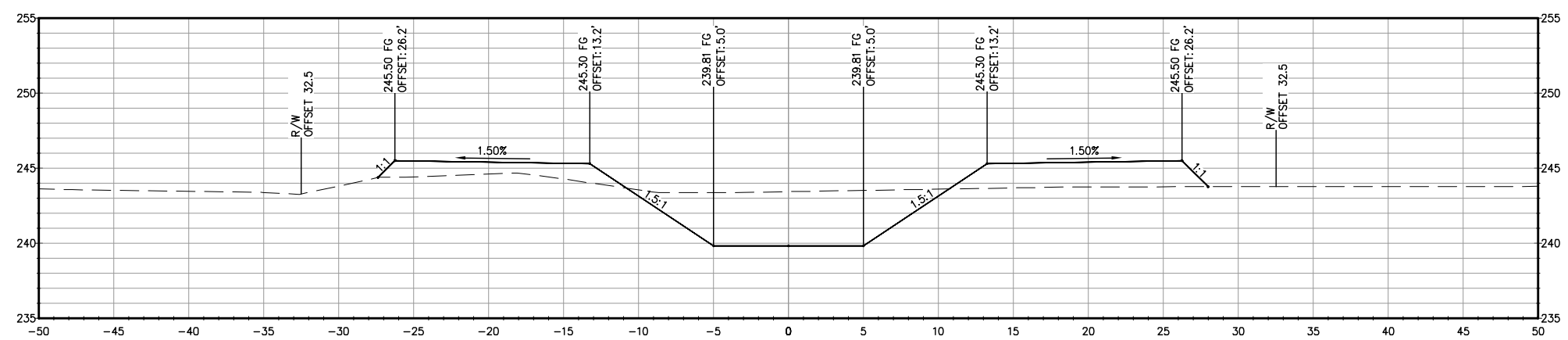
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559/636-1166 FAX 559/636-1177  
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DESIGN ENGINEER: MATT KLINCHUCH LICENSE NO: 83357	CHECKED BY: MTK
DRAFTED BY: CBC	DATE: 01/26/2022
PROJECT NO: 315920002	JOB NO: 315920002
PHASE: DES	ORIGINAL SCALE SHOWN IS ONE INCH, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET: <b>22</b>	OF <b>86</b>

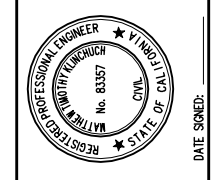


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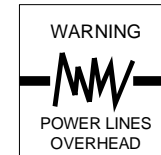
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1/26/2022



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
WM INTERIE SECTIONS  
STA 36+00 - 45+00

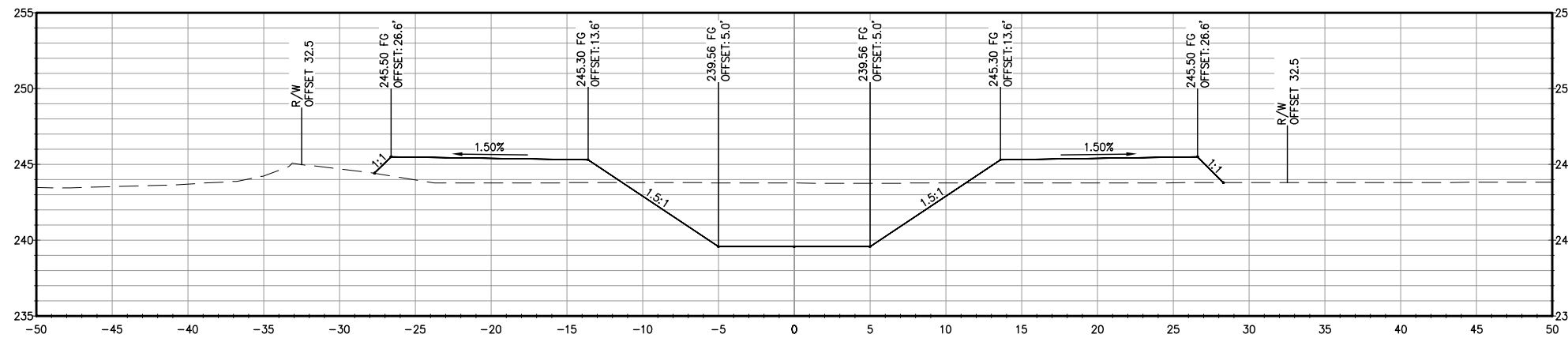
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VESALIA, CALIFORNIA 93291-6882  
559/636-1166 FAX 559/636-1177  
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DESIGN ENGINEER: MATT KLINCHUCH LICENSE NO: 83357	CHECKED BY: MTK
DRAFTED BY: CBC	DATE: 01/26/2022
PROJECT NO: 315920002	JOB NO: 315920002
PHASE: DES	ORIGINAL SCALE SHOWN IS ONE INCH, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET: <b>23</b>	OF 86

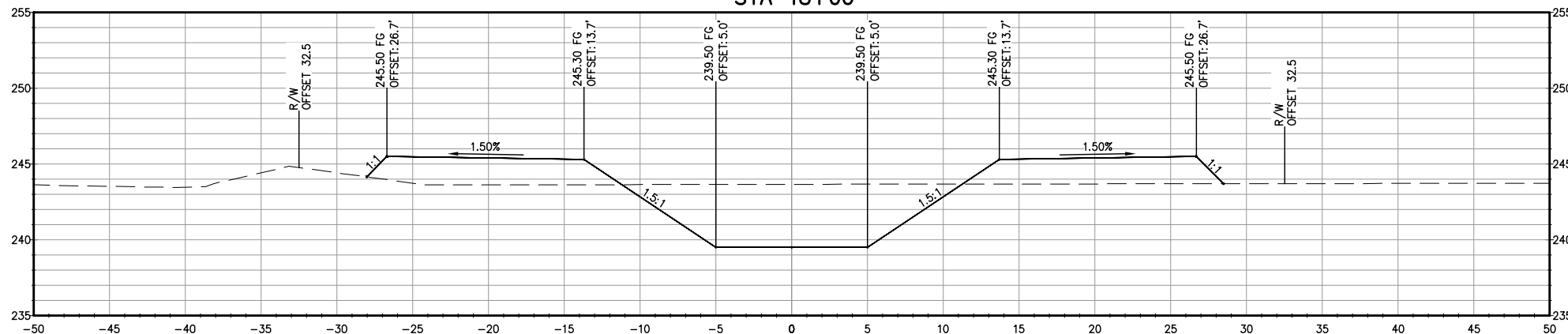


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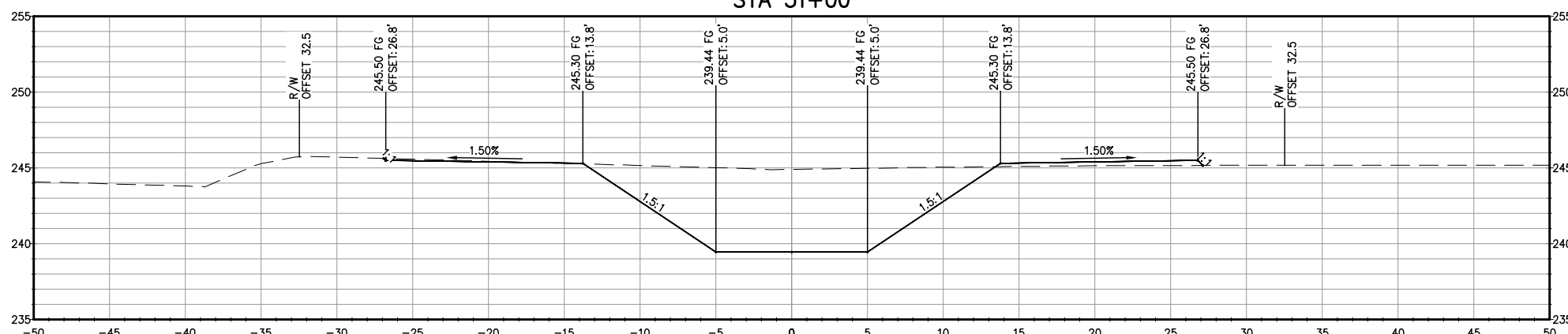
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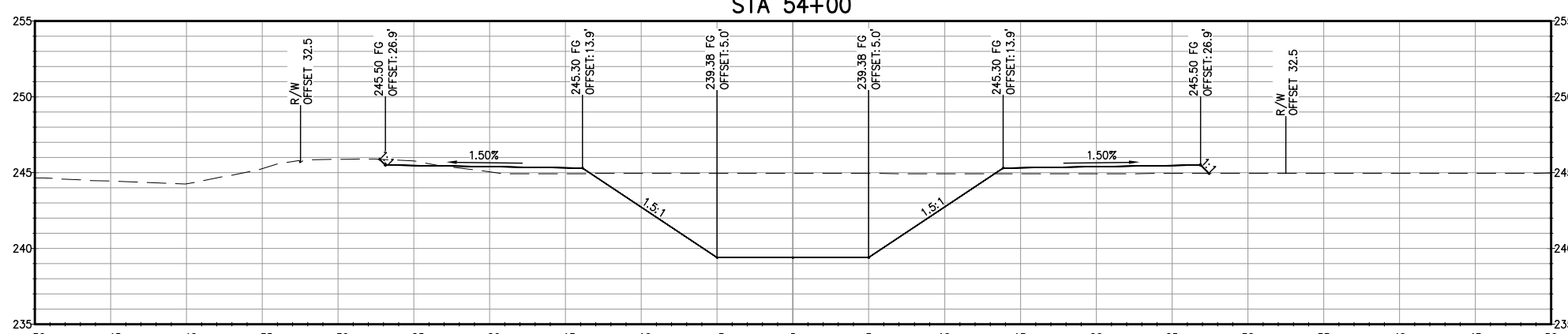
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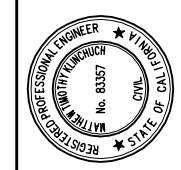


WM EXTEN  
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WM EXTEN  
STA 57+00

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1/26/2022



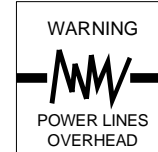
LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
WM INTERIE SECTIONS  
STA 48+00 - 57+00

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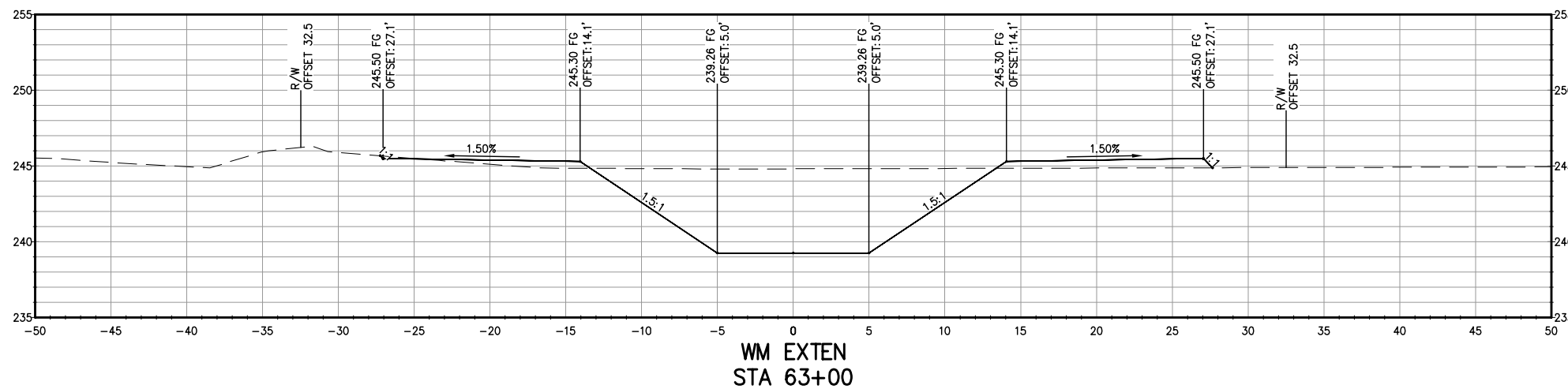
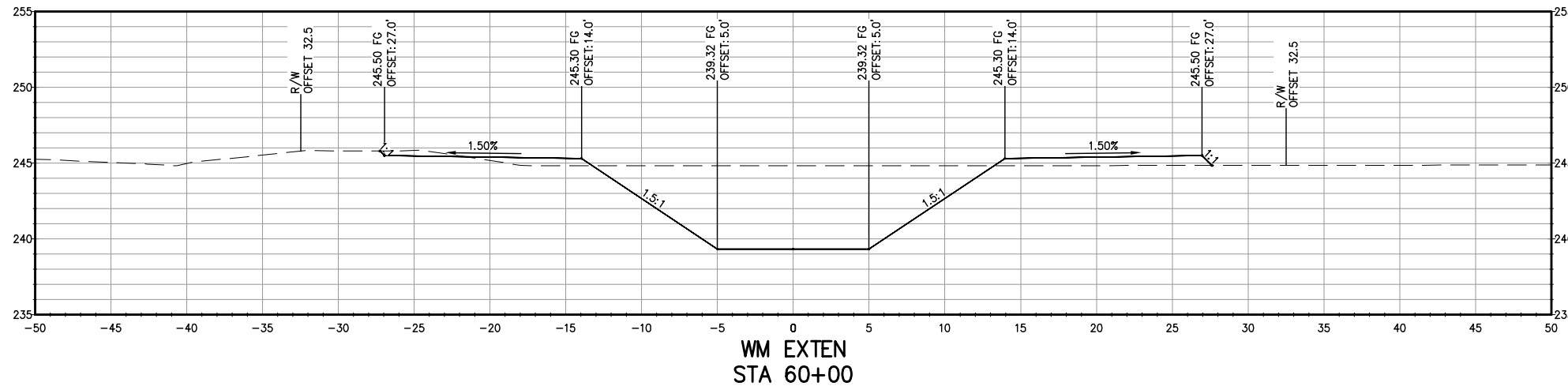
DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002

PHASE: DES  
ORIGINAL SCALE SHOWN IS  
ONE INCH, ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

SHEET **24**  
24 OF 86

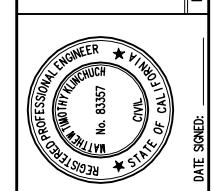


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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
WM INTERTIE SECTIONS  
STA 60+00 - 63+00



DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357

DRAFTED BY: CBC  
CHECKED BY: MTK

DATE: 01/26/2022

JOB NO: 315920002

PROJECT NO: 315920002

PHASE: DES

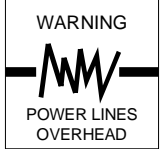
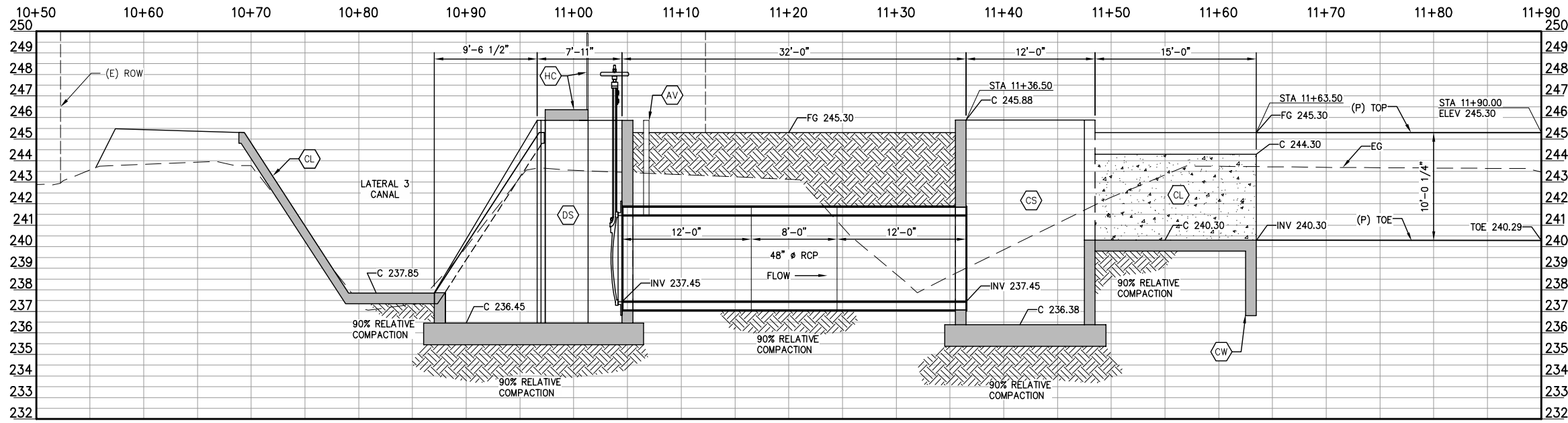
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www.ppeng.com

1/26/2022 1:39 PM G:\P\Way ID-3159\315920002-Lat 4 Final\300 CAD\340 Sheet Sets\06\_WM INTERTIE SECTIONS\25 STA 60+00 - 63+00.dwg - Christopher Cervantes

SHEET 25 OF 86

LATERAL 3 CANAL AND WEST MAIN INTERTIE CANAL PROFILE

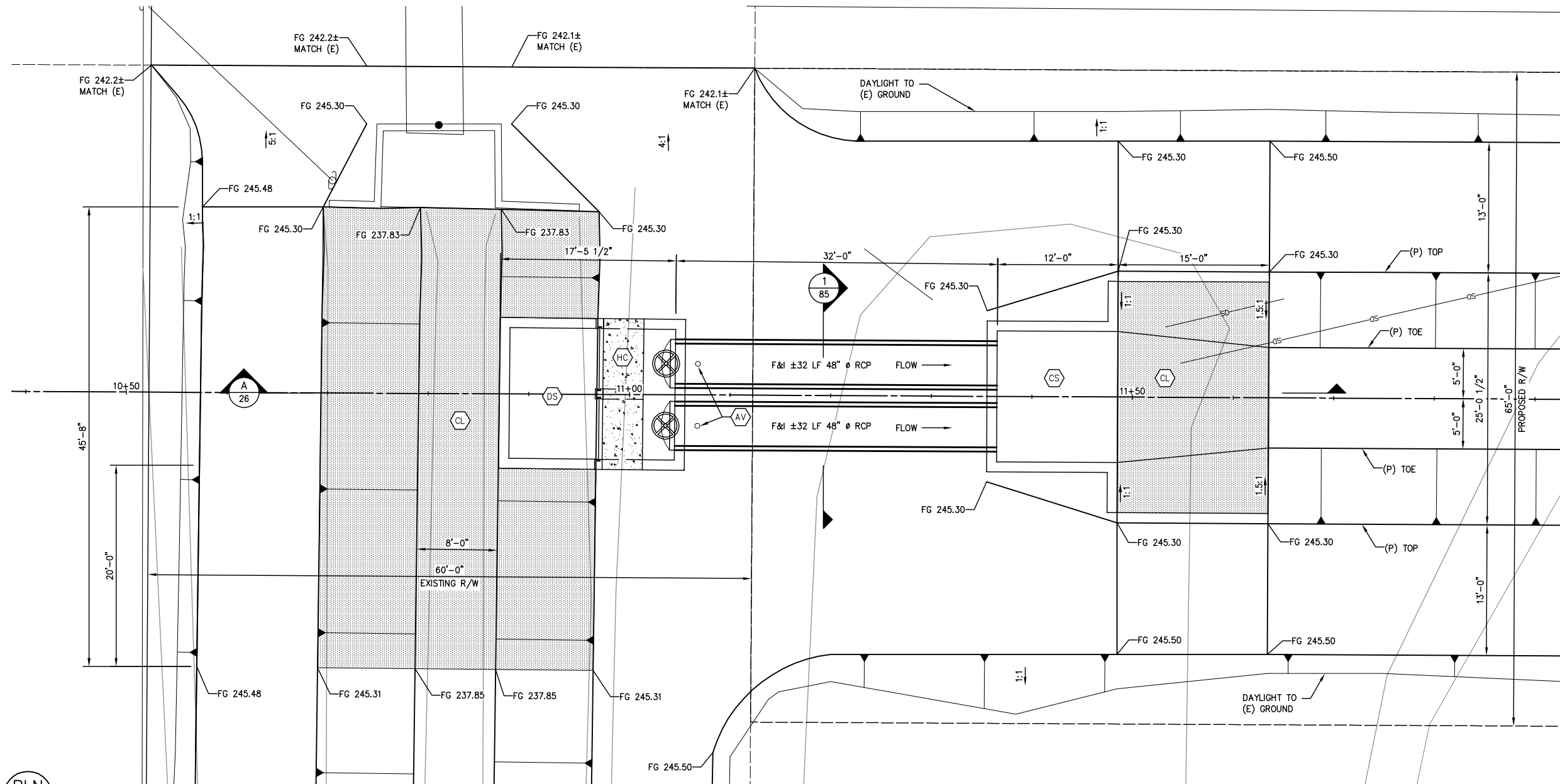


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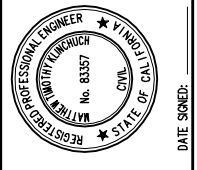
No.	REVISION	BY	DATE



CONSTRUCTION LEGEND

- CS CONCRETE STRUCTURE
- CL CONCRETE CANAL LINING
- CW CONCRETE CUTOFF WALL
- AV CONCRETE PIPE AIR VENT
- HC HANDRAIL AND CATWALK
- DS DIVERSION STRUCTURE

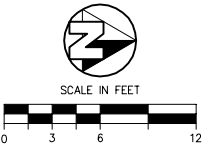
- 1 78
- 7 84
- 3 84
- 5 84
- 8 84
- 1 80



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
WM INTERTIE SITE PLANS  
LAT 3 CANAL AND WM INTERTIE CANAL  
LAT 3 CANAL AND WM INTERTIE CANAL.dwg - Christopher Cervantes

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DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES  
ORIGINAL SCALE SHOWN IS  
ONE INCH, ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.  
SHEET 26



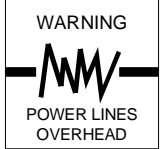
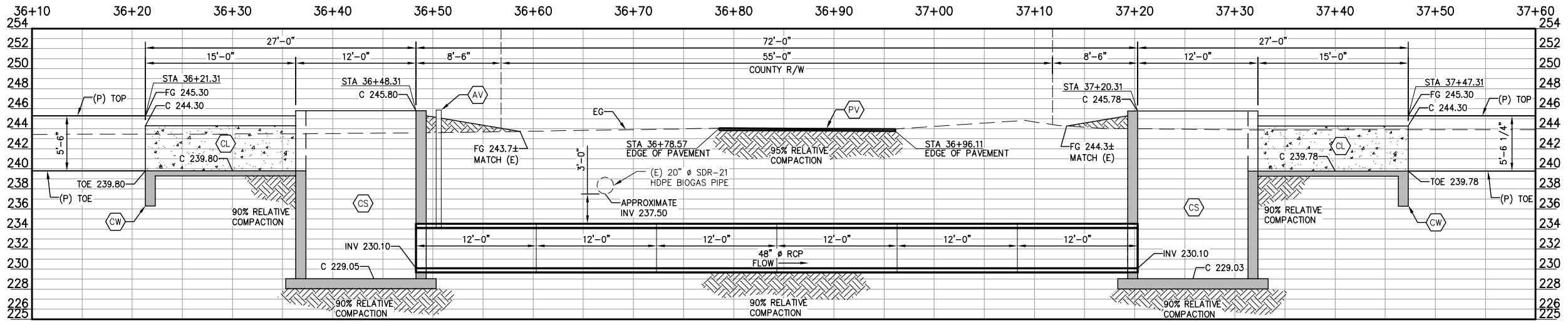
PLN  
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LATERAL 3 CANAL AND WEST MAIN INTERTIE CANAL SITE PLAN

26 OF 86



# AVENUE 112 CROSSING PROFILE

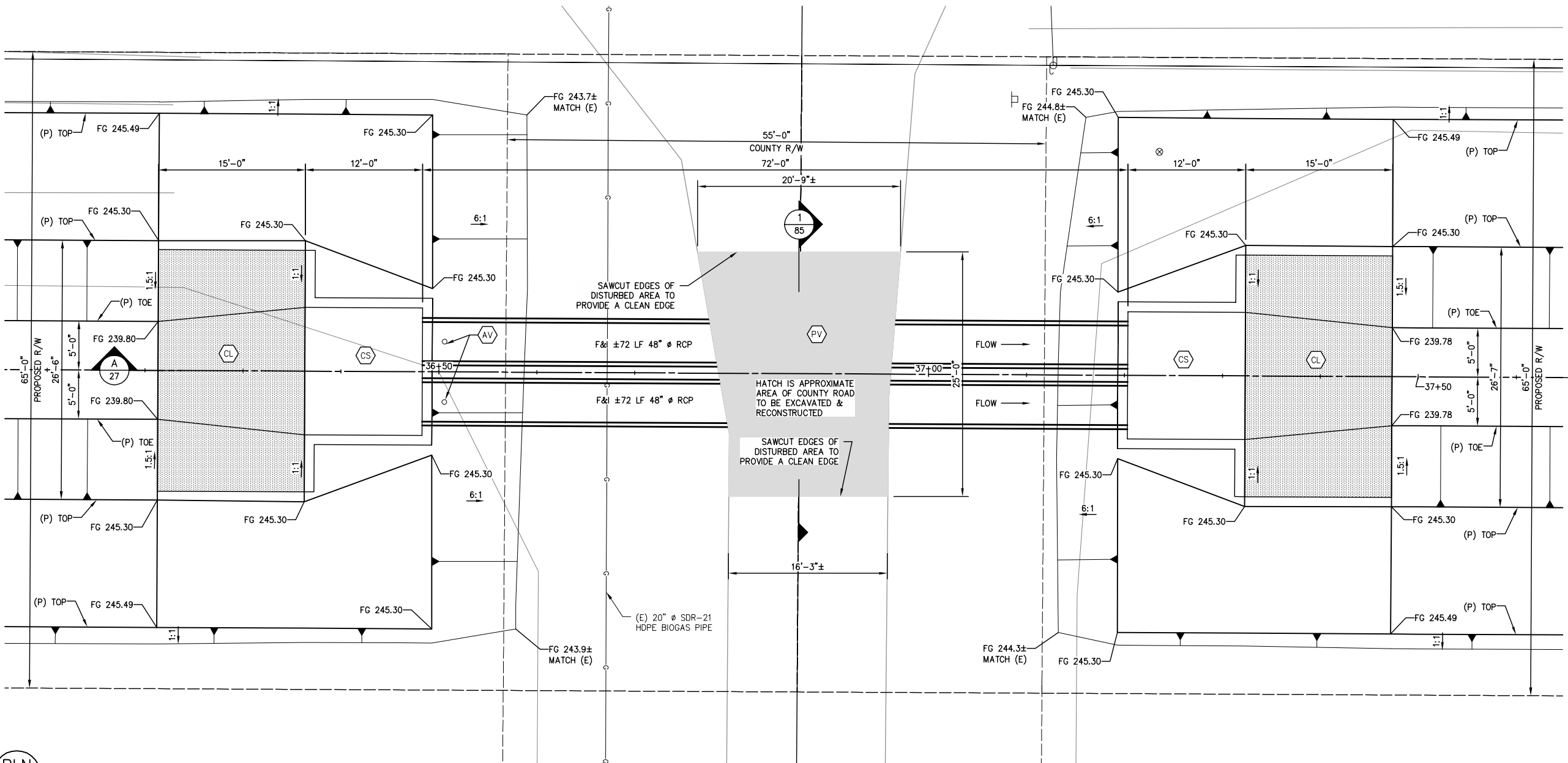


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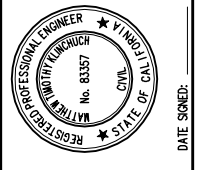
No.	REVISION	BY	DATE



**CONSTRUCTION LEGEND**

- CS CONCRETE STRUCTURE
- CL CONCRETE CANAL LINING
- CW CONCRETE CUTOFF WALL
- AV CONCRETE PIPE AIR VENT
- PV ASPHALT PAVEMENT (3" AC OVER 6" CLII AB) PER COUNTY STANDARD

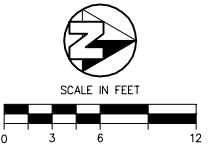
- 1 78
- 7 84
- 3 84
- 5 84



LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 WM INTERTIE SITE PLANS  
 AVENUE 112 CROSSING

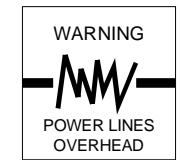
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 559/636-1166 FAX 559/636-1177  
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DESIGN ENGINEER: MATT KLINCHUCH	
LICENSE NO: 83357	
DRAFTED BY: CBC	CHECKED BY: MTK
DATE: 01/26/2022	
JOB NO: 315920002	
PROJECT NO: 315920002	
PHASE: DES	
ORIGINAL SCALE SHOWN IS ONE INCH, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.	
SHEET <b>27</b>	



PLN  
27

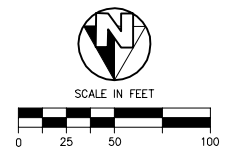
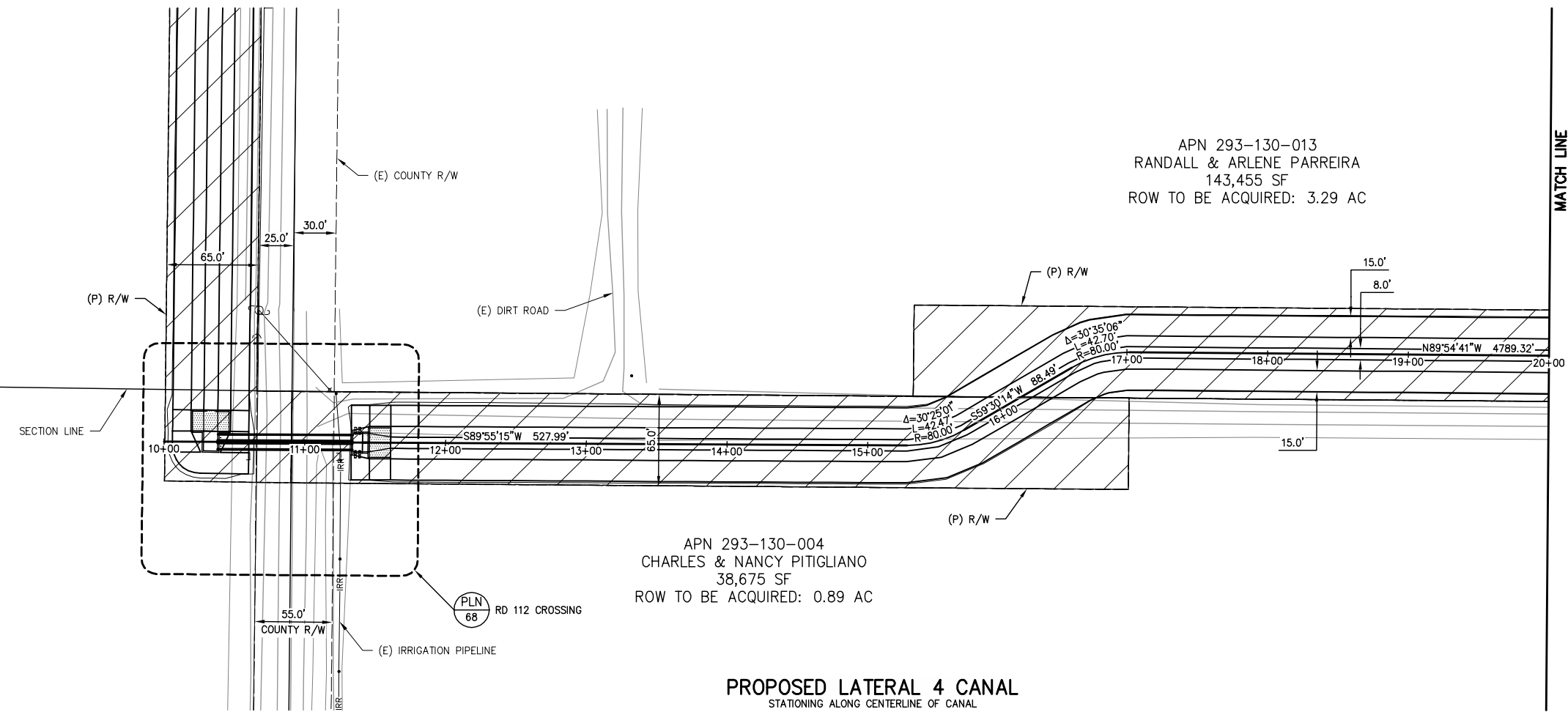
## AVENUE 112 CROSSING SITE PLAN



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APN 293-130-013  
 RANDALL & ARLENE PARREIRA  
 143,455 SF  
 ROW TO BE ACQUIRED: 3.29 AC

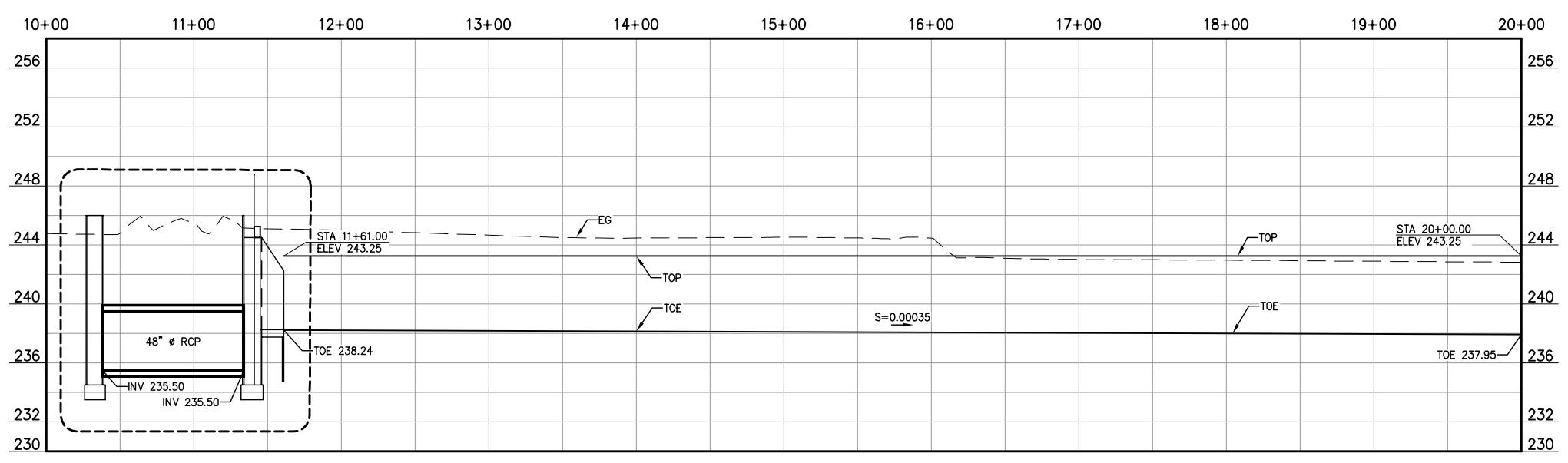
MATCH LINE  
 STA 20+00 SEE SHEET 29



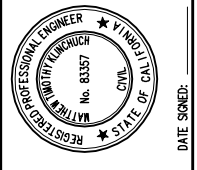
**Cut/Fill Summary**

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VOL-LAT 4_RD 112 CHECK	1.000	1.300	146545.25 Sq. Ft.	7430.99 Cu. Yd.	4756.02 Cu. Yd.	2674.97 Cu. Yd.<Cut>
<b>Totals</b>			<b>146545.25 Sq. Ft.</b>	<b>7430.99 Cu. Yd.</b>	<b>4756.02 Cu. Yd.</b>	<b>2674.97 Cu. Yd.&lt;Cut&gt;</b>

**PROPOSED LATERAL 4 CANAL**



NOT FOR CONSTRUCTION  
 1/26/2022



LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 LAT 4 CANAL PLAN AND PROFILE  
 10+00 - 20+00

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 www.pprg.com

DESIGN ENGINEER:  
 MATT KLINCHUCH  
 LICENSE NO:  
 83357

DRAFTED BY: CBC  
 CHECKED BY: MTK

DATE: 01/26/2022

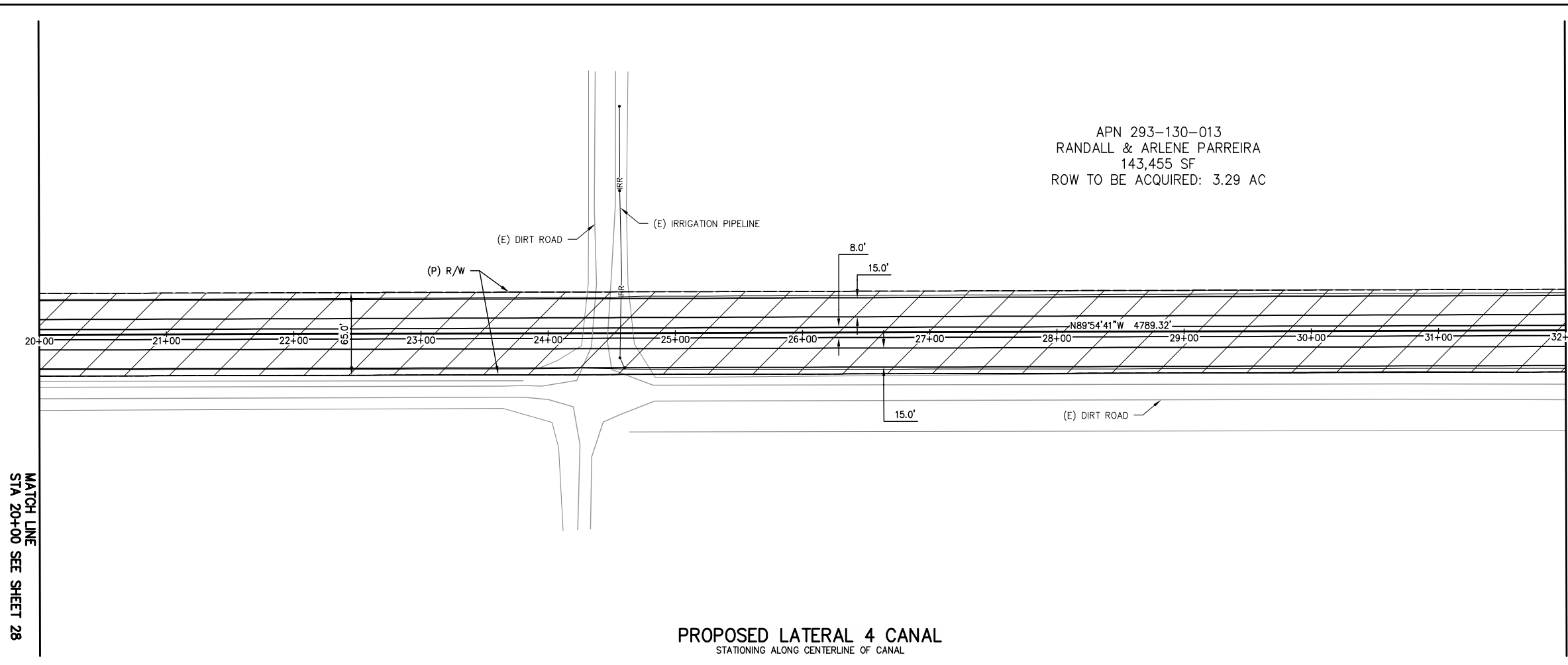
JOB NO: 315920002

PROJECT NO: 315920002

PHASE: DES

ORIGINAL SCALE SHOWN IS  
 ONE INCH. ADJUST SCALE FOR  
 REDUCED OR ENLARGED PLANS.

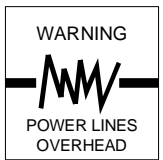
SHEET  
 28  
 OF  
 86



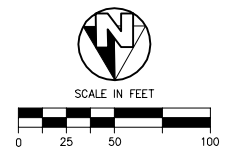
MATCH LINE  
STA 32+00 SEE SHEET 30

MATCH LINE  
STA 20+00 SEE SHEET 28

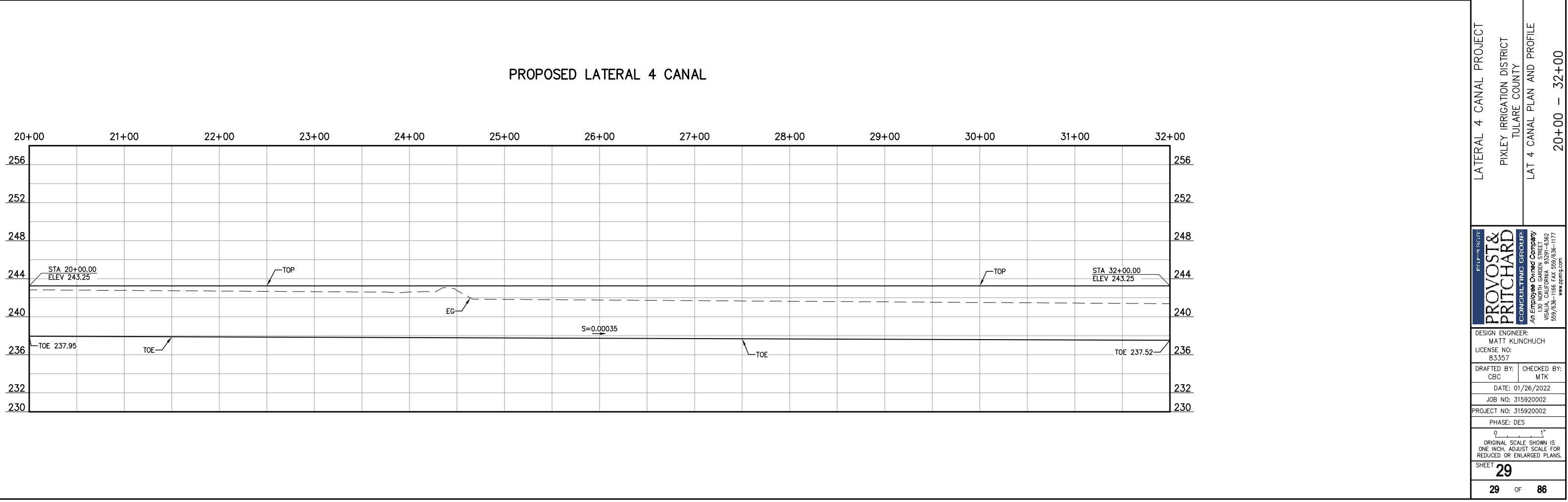
APN 293-130-013  
RANDALL & ARLENE PARREIRA  
143,455 SF  
ROW TO BE ACQUIRED: 3.29 AC



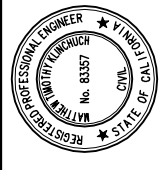
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PROPOSED LATERAL 4 CANAL  
STATIONING ALONG CENTERLINE OF CANAL



NOT FOR CONSTRUCTION  
1/26/2022



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 CANAL PLAN AND PROFILE  
20+00 - 32+00

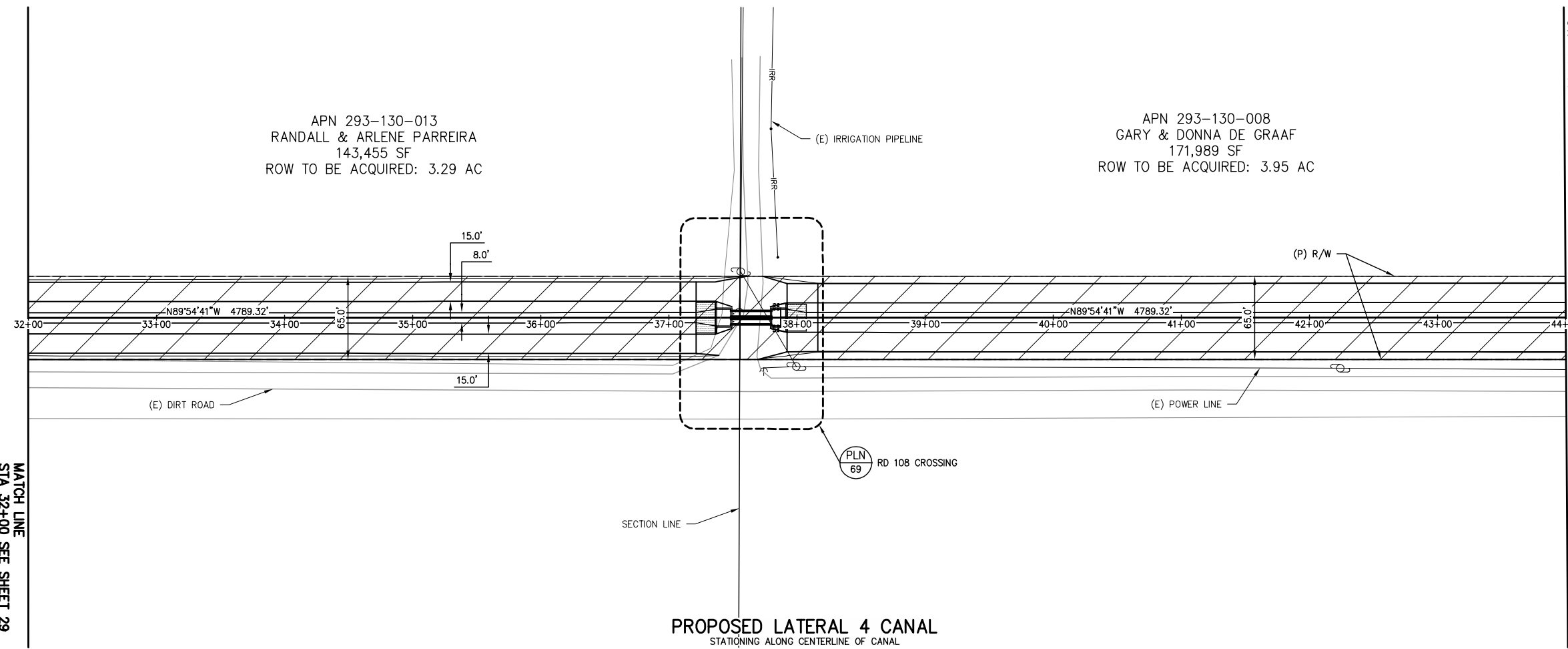
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DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002

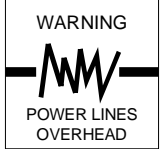
PHASE: DES  
0 1"  
ORIGINAL SCALE SHOWN IS  
ONE INCH. ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

APN 293-130-013  
 RANDALL & ARLENE PARREIRA  
 143,455 SF  
 ROW TO BE ACQUIRED: 3.29 AC

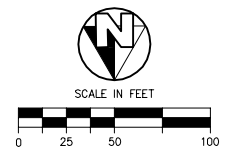
APN 293-130-008  
 GARY & DONNA DE GRAAF  
 171,989 SF  
 ROW TO BE ACQUIRED: 3.95 AC



PROPOSED LATERAL 4 CANAL  
 STATIONING ALONG CENTERLINE OF CANAL



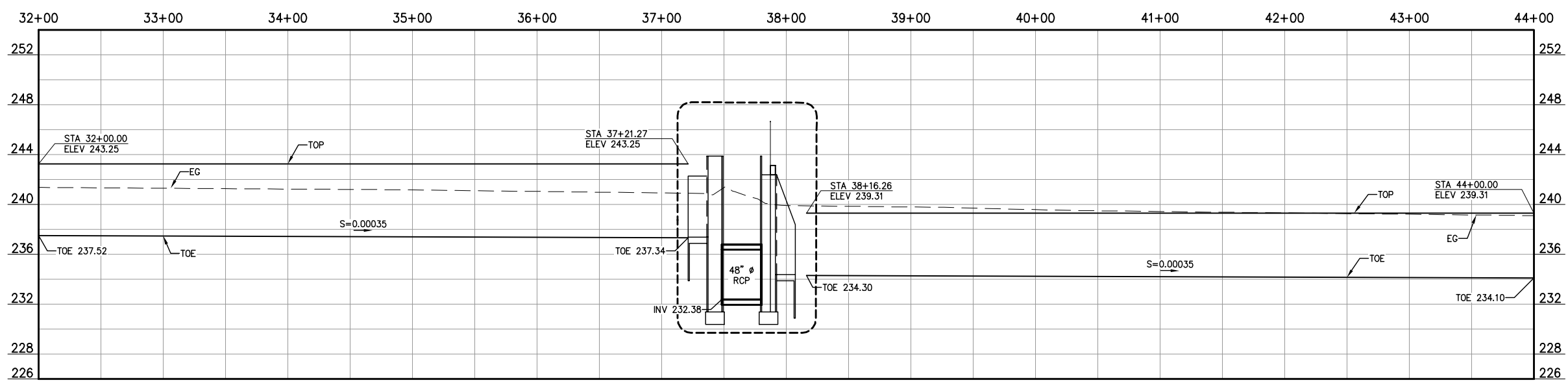
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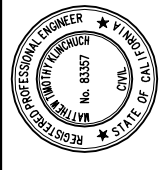
**Cut/Fill Summary**

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VOL-LAT 4 CANAL_RD 108	1.000	1.300	142541.01 Sq. Ft.	6410.63 Cu. Yd.	4283.66 Cu. Yd.	2126.96 Cu. Yd.<Cut>
<b>Totals</b>			142541.01 Sq. Ft.	6410.63 Cu. Yd.	4283.66 Cu. Yd.	2126.96 Cu. Yd.<Cut>

PROPOSED LATERAL 4 CANAL



**NOT FOR CONSTRUCTION**  
 1/26/2022



LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 LAT 4 CANAL PLAN AND PROFILE  
 32+00 - 44+00

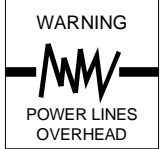
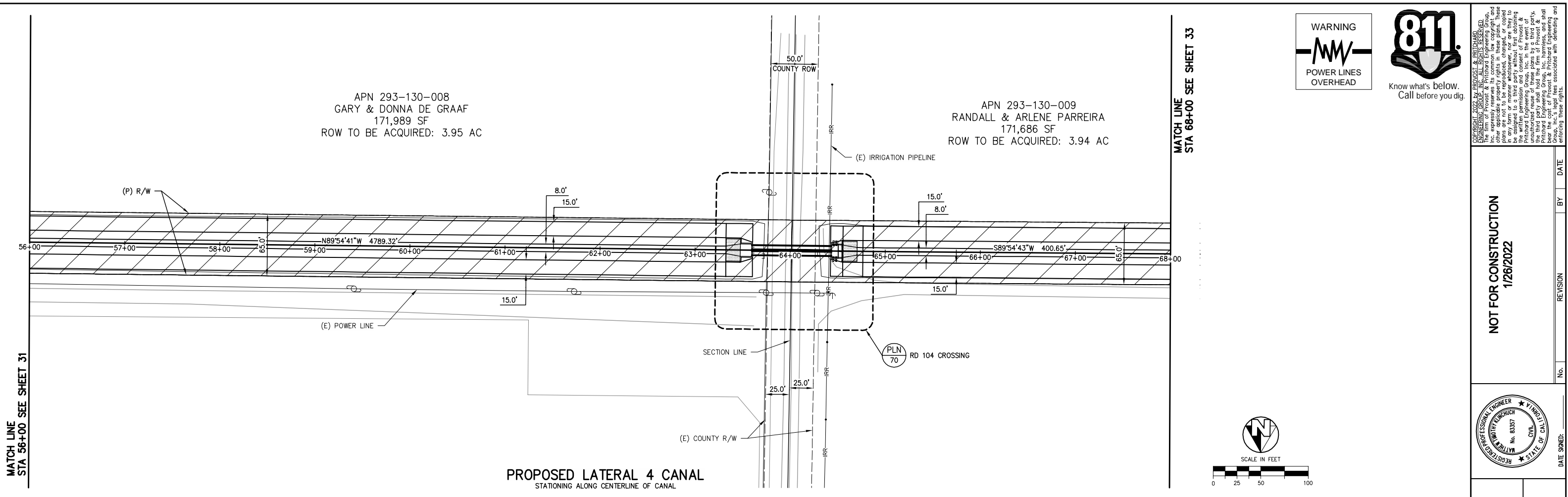
**PROVOST & PRITCHARD**  
 CONSULTING GROUP  
 AN Employee Owned Company  
 130 NORTH GARDEN STREET  
 VISALIA, CALIFORNIA 93291-6882  
 559/636-1166 FAX 559/636-1177  
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DESIGN ENGINEER:  
 MATT KLINCHUCH  
 LICENSE NO:  
 83357  
 DRAFTED BY: CBC CHECKED BY: MTK  
 DATE: 01/26/2022  
 JOB NO: 315920002  
 PROJECT NO: 315920002

PHASE: DES  
 ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
 SHEET **30** OF **86**

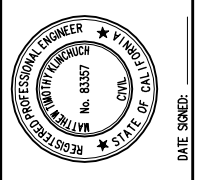






**NOT FOR CONSTRUCTION**  
1/26/2022

No.	REVISION	BY	DATE



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 CANAL PLAN AND PROFILE  
56+00 - 68+00

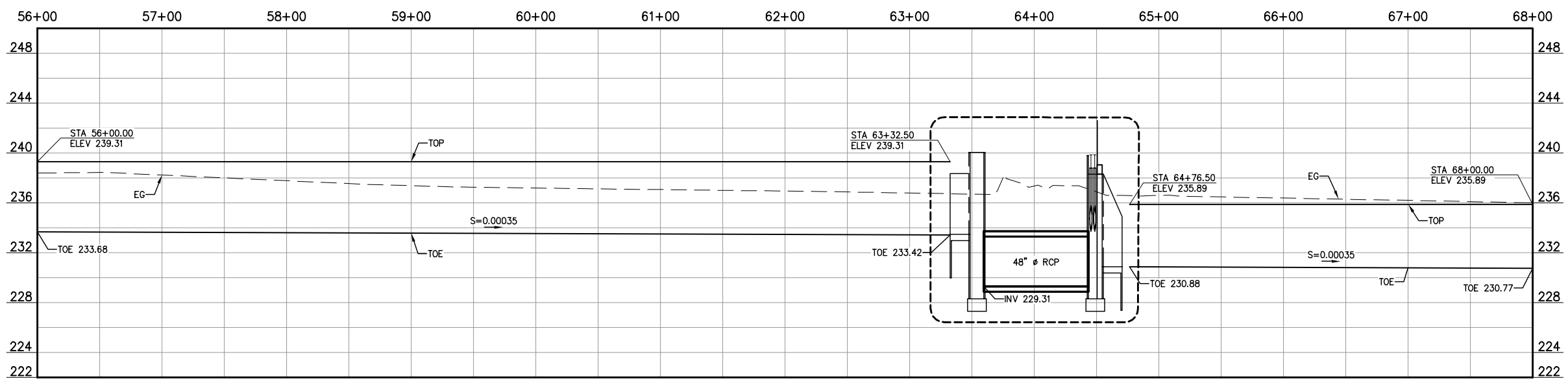
<b>PROVOST &amp; PRITCHARD</b> CONSULTING GROUP An Employee Owned Company 130 NORTH GARDEN STREET VESALIA, CALIFORNIA 93291-6882 559/636-1166 FAX 559/636-1177 www.pprg.com	
DESIGN ENGINEER:	MATT KLINCHUCH
LICENSE NO.:	83357
DRAFTED BY:	CBC
CHECKED BY:	MTK
DATE:	01/26/2022
JOB NO.:	315920002
PROJECT NO.:	315920002
PHASE:	DES
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.	
SHEET:	32
OF	86

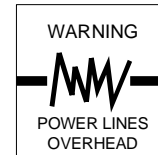
**PROPOSED LATERAL 4 CANAL**  
STATIONING ALONG CENTERLINE OF CANAL

**Cut/Fill Summary**

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VOL-LAT 4 CANAL_RD 104	1.000	1.300	142900.00 Sq. Ft.	6086.34 Cu. Yd.	4752.14 Cu. Yd.	1334.21 Cu. Yd.<Cut>
<b>Totals</b>			142900.00 Sq. Ft.	6086.34 Cu. Yd.	4752.14 Cu. Yd.	1334.21 Cu. Yd.<Cut>

**PROPOSED LATERAL 4 CANAL**



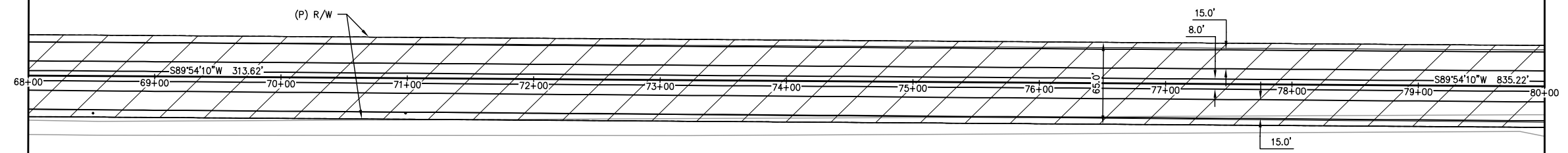


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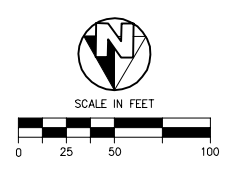
APN 293-130-009  
 RANDALL & ARLENE PARREIRA  
 171,686 SF  
 ROW TO BE ACQUIRED: 3.94 AC

MATCH LINE STA 68+00 SEE SHEET 32

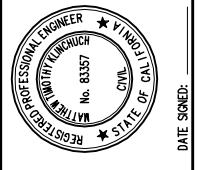
MATCH LINE STA 80+00 SEE SHEET 34



**PROPOSED LATERAL 4 CANAL**  
 STATIONING ALONG CENTERLINE OF CANAL



**NOT FOR CONSTRUCTION**  
 1/26/2022



LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 LAT 4 CANAL PLAN AND PROFILE  
 68+00 - 80+00

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 559/636-1166 FAX 559/636-1177  
 www.pprg.com

DESIGN ENGINEER:  
 MATT KLINCHUCH  
 LICENSE NO:  
 83357

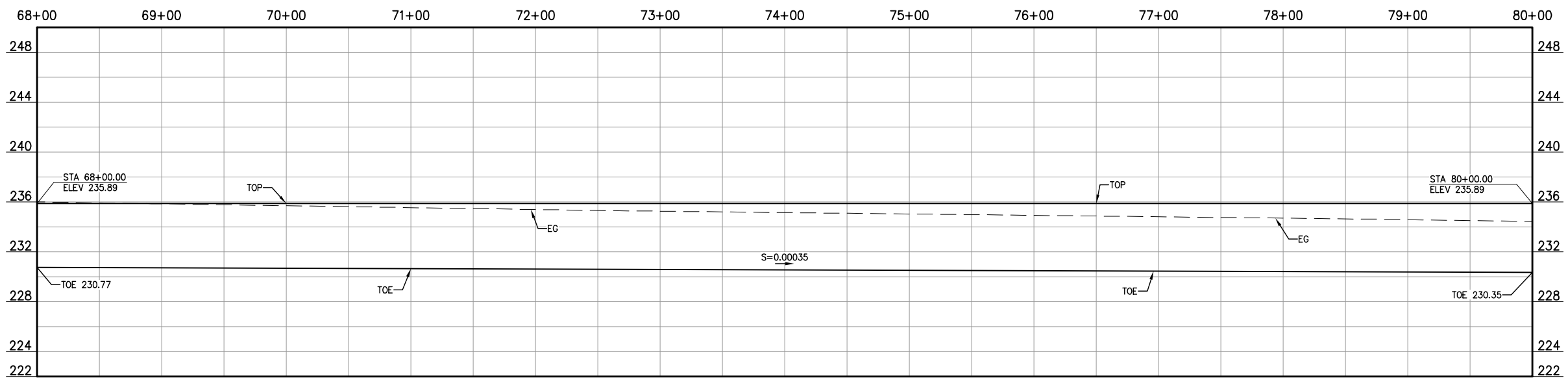
DRAFTED BY: CBC CHECKED BY: MTK  
 DATE: 01/26/2022  
 JOB NO: 315920002  
 PROJECT NO: 315920002

PHASE: DES

0 1"  
 ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

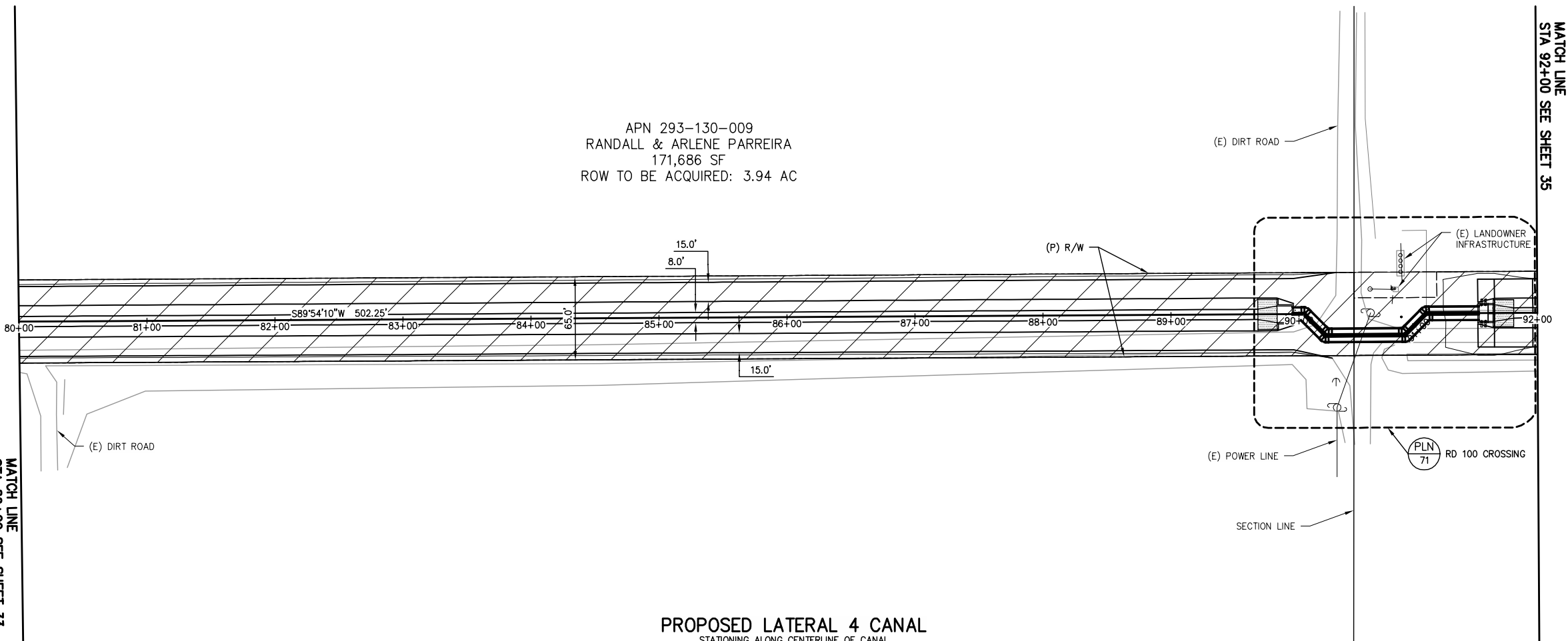
SHEET **33** OF **86**

**PROPOSED LATERAL 4 CANAL**



1/26/2022 1:24 PM G:\P\Proj\315920002-Lat 4 Canal Plan and Profile\315920002-Lat 4 Canal Plan and Profile\315920002-Lat 4 Canal Plan and Profile.dwg - 80+00.dwg - Christopher Cervantes

APN 293-130-009  
 RANDALL & ARLENE PARREIRA  
 171,686 SF  
 ROW TO BE ACQUIRED: 3.94 AC

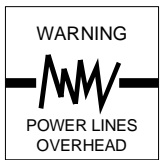
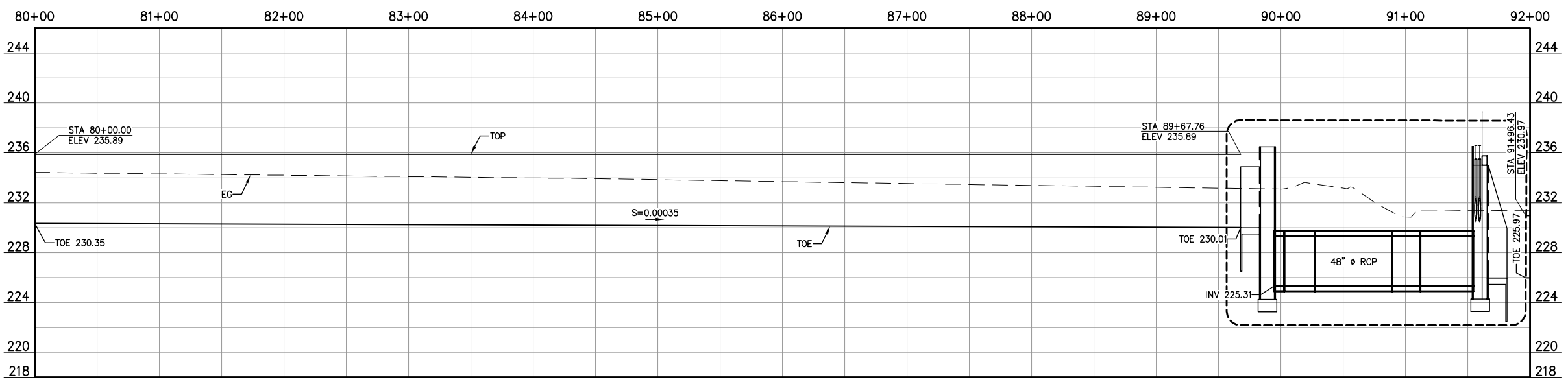


**PROPOSED LATERAL 4 CANAL**  
 STATIONING ALONG CENTERLINE OF CANAL

**Cut/Fill Summary**

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VOL-LAT 4 CANAL_RD 100	1.000	1.300	139023.50 Sq. Ft.	5539.82 Cu. Yd.	5375.85 Cu. Yd.	163.97 Cu. Yd.<Cut>
<b>Totals</b>			<b>139023.50 Sq. Ft.</b>	<b>5539.82 Cu. Yd.</b>	<b>5375.85 Cu. Yd.</b>	<b>163.97 Cu. Yd.&lt;Cut&gt;</b>

**PROPOSED LATERAL 4 CANAL**

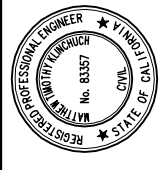


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MATCH LINE  
 STA 80+00 SEE SHEET 33

MATCH LINE  
 STA 92+00 SEE SHEET 35

**NOT FOR CONSTRUCTION**  
 1/26/2022



LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 LAT 4 CANAL PLAN AND PROFILE  
 80+00 - 92+00

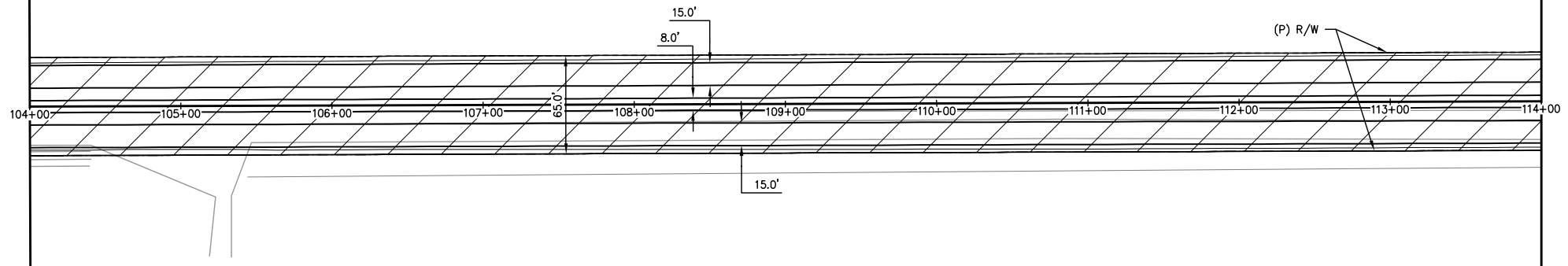
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 559/636-1166 FAX 559/636-1177  
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DESIGN ENGINEER:  
 MATT KLINCHUCH  
 LICENSE NO:  
 83357  
 DRAFTED BY: CBC  
 CHECKED BY: MTK  
 DATE: 01/26/2022  
 JOB NO: 315920002  
 PROJECT NO: 315920002  
 PHASE: DES

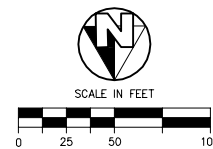
0 1"  
 ORIGINAL SCALE SHOWN IS  
 ONE INCH. ADJUST SCALE FOR  
 REDUCED OR ENLARGED PLANS.



APN 293-130-010 & 293-130-011  
 HARVINDER SINGH & SURJIT KAUR TOOR  
 170,603 SF  
 ROW TO BE ACQUIRED: 3.92 AC

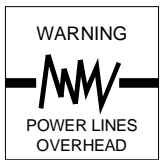


PROPOSED LATERAL 4 CANAL  
 STATIONING ALONG CENTERLINE OF CANAL



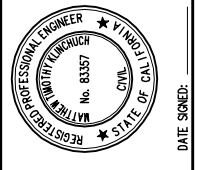
MATCH LINE  
STA 104+00 SEE SHEET 35

MATCH LINE  
STA 114+00 SEE SHEET 37



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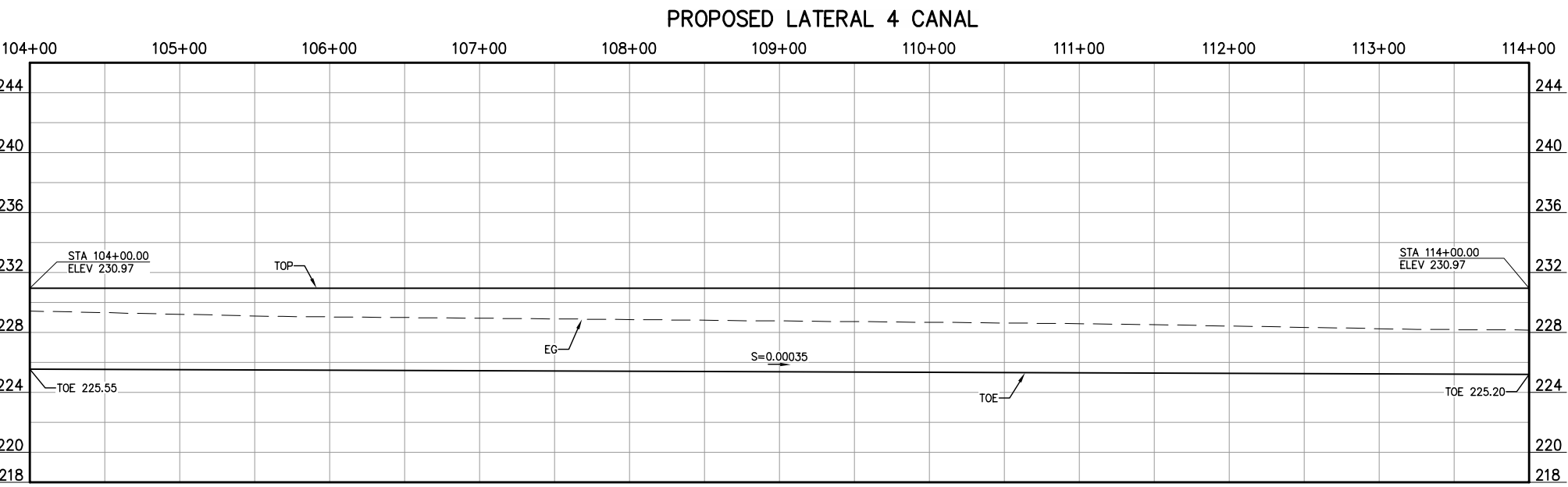
<b>NOT FOR CONSTRUCTION</b> 1/26/2022	
No.	REVISION
BY	DATE



LATERAL 4 CANAL PROJECT	
PIXLEY IRRIGATION DISTRICT TULARE COUNTY	
LAT 4 CANAL PLAN AND PROFILE	
104+00 - 114+00	

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DESIGN ENGINEER: MATT KLINCHUCH	
LICENSE NO: 83357	
DRAFTED BY: CBC	CHECKED BY: MTK
DATE: 01/26/2022	
JOB NO: 315920002	
PROJECT NO: 315920002	
PHASE: DES	

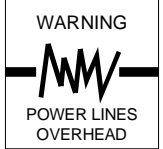
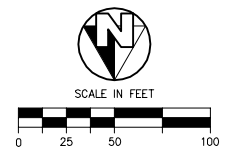
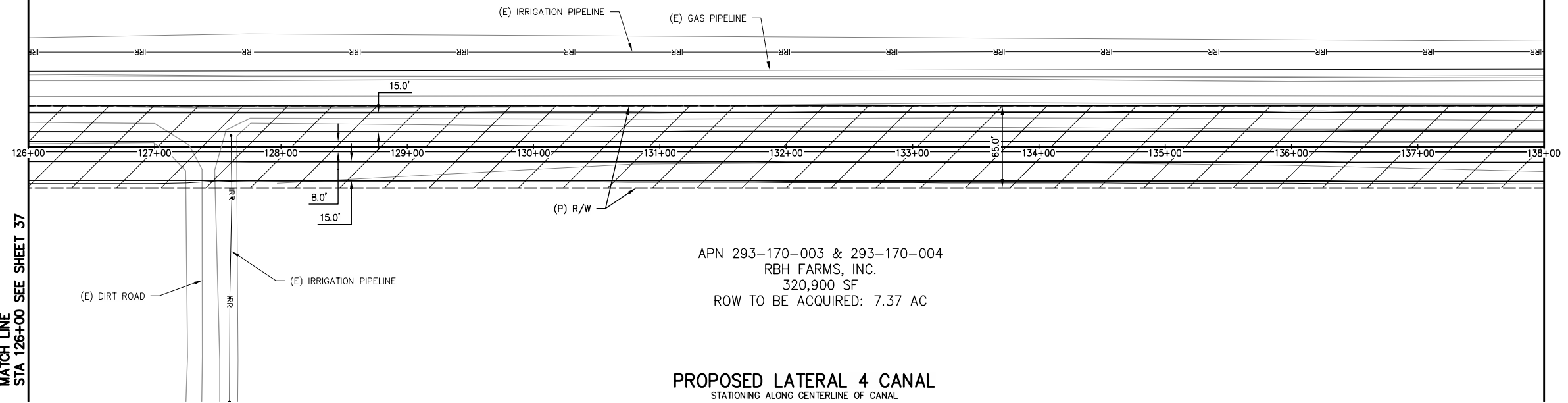




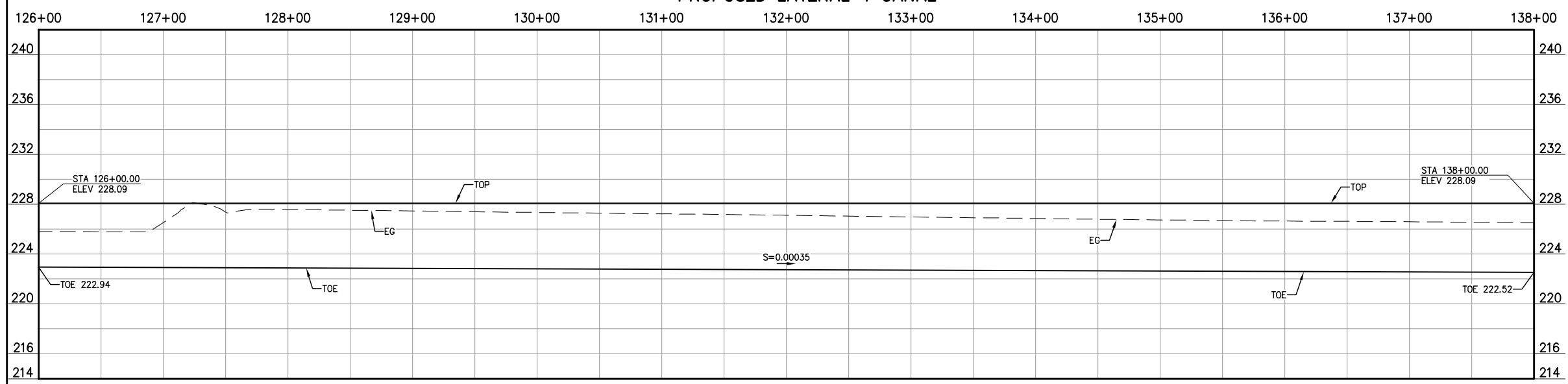


MATCH LINE  
STA 126+00 SEE SHEET 37

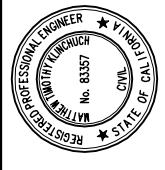
MATCH LINE  
STA 138+00 SEE SHEET 39



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1/26/2022



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 CANAL PLAN AND PROFILE  
126+00 - 138+00

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VISA, CALIFORNIA 93291-6882  
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DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357

DRAFTED BY: CBC  
CHECKED BY: MTK

DATE: 01/26/2022

JOB NO: 315920002

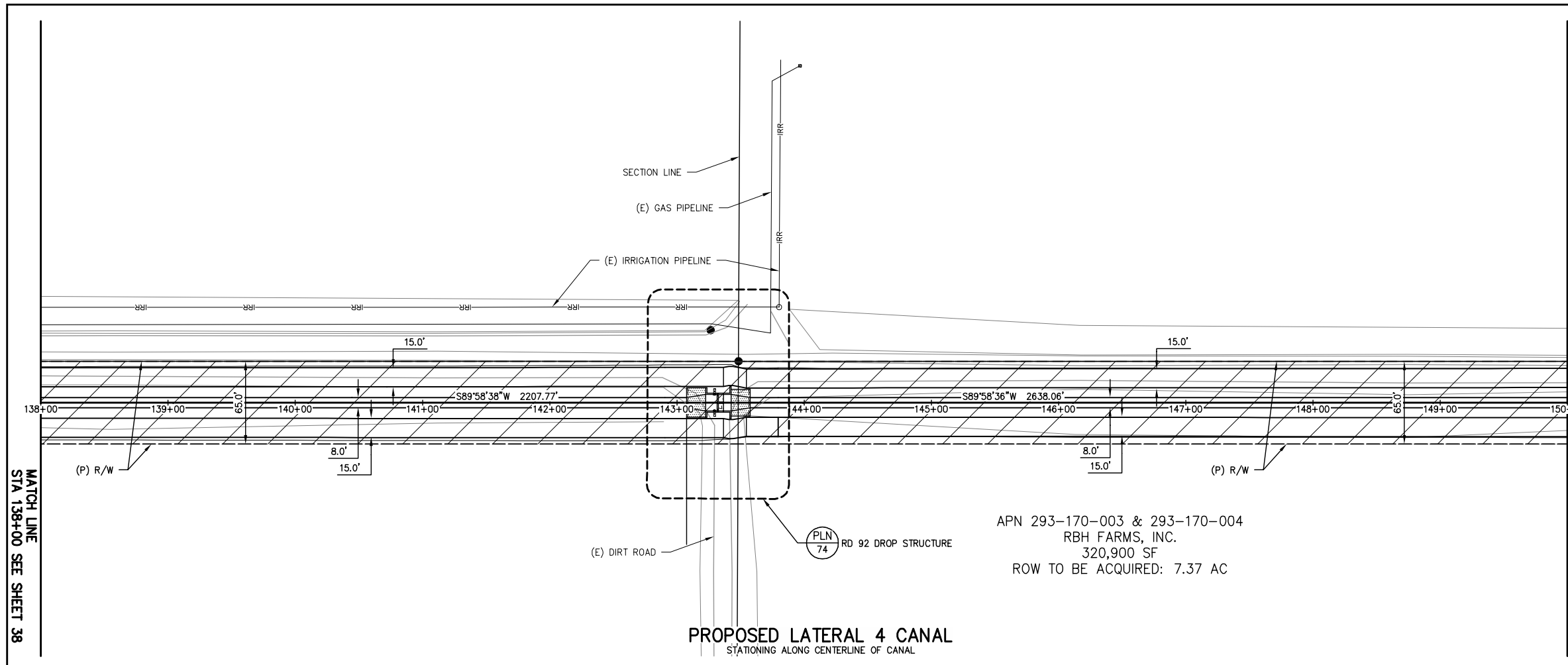
PROJECT NO: 315920002

PHASE: DES

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **38** OF **86**

1/26/2022 1:26 PM G:\P\Way ID-3159\315920002-Lat 4 Canal Plan and Profile\38 126+00 - 138+00.dwg - Christopher Cervantes



MATCH LINE STA 150+00 SEE SHEET 40

MATCH LINE STA 138+00 SEE SHEET 38

**WARNING**  
  
**POWER LINES OVERHEAD**

Know what's below.  
 Call before you dig.

SCALE IN FEET  
 0 25 50 100

APN 293-170-003 & 293-170-004  
 RBH FARMS, INC.  
 320,900 SF  
 ROW TO BE ACQUIRED: 7.37 AC

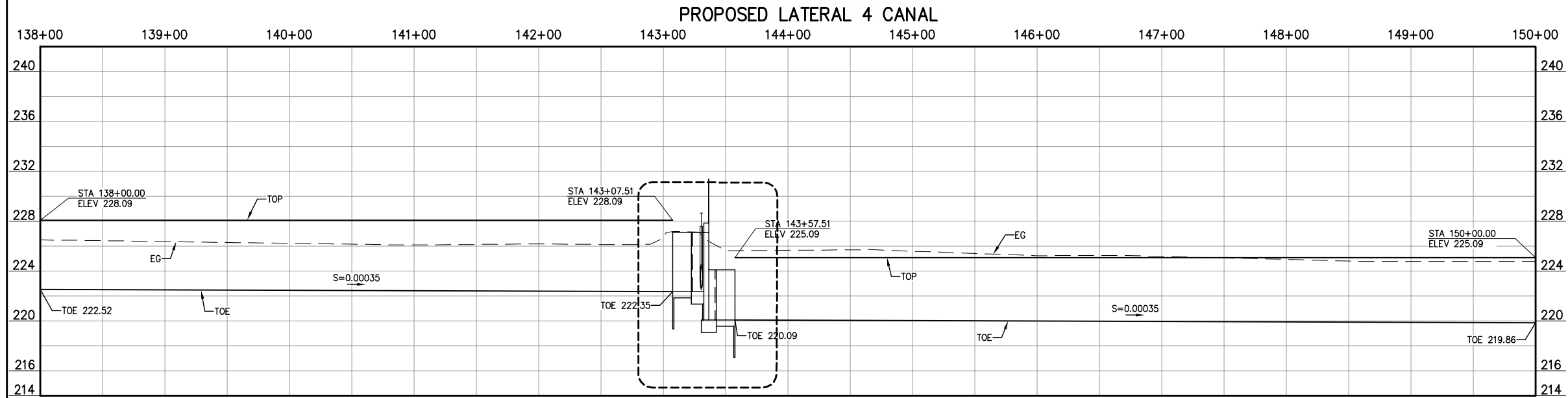
NOT FOR CONSTRUCTION  
 1/26/2022

DATE: 1/26/2022  
 BY: [blank]  
 REVISION: [blank]

REGISTERED PROFESSIONAL ENGINEER  
 MATT KLINCHUCH  
 No. 83357  
 CIVIL  
 STATE OF CALIFORNIA

**Cut/Fill Summary**

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VOL-LAT 4_RD 92	1.000	1.300	149199.32 Sq. Ft.	6241.31 Cu. Yd.	5875.15 Cu. Yd.	366.16 Cu. Yd.<Cut>
<b>Totals</b>			149199.32 Sq. Ft.	6241.31 Cu. Yd.	5875.15 Cu. Yd.	366.16 Cu. Yd.<Cut>



LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 LAT 4 CANAL PLAN AND PROFILE  
 138+00 - 150+00

EST. 1913  
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DESIGN ENGINEER:  
 MATT KLINCHUCH  
 LICENSE NO:  
 83357

DRAFTED BY: CBC  
 CHECKED BY: MTK  
 DATE: 01/26/2022  
 JOB NO: 315920002  
 PROJECT NO: 315920002  
 PHASE: DES

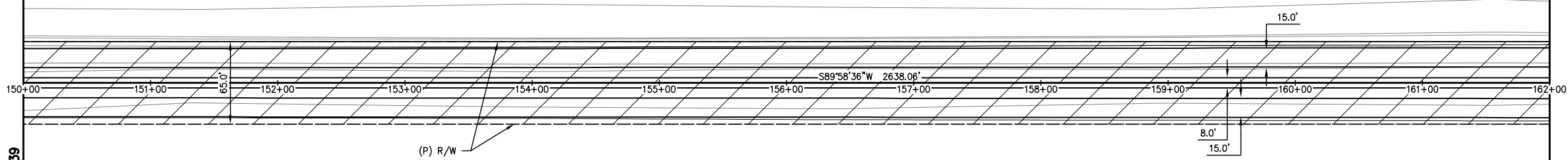
ORIGINAL SCALE SHOWN IS  
 ONE INCH. ADJUST SCALE FOR  
 REDUCED OR ENLARGED PLANS.

SHEET **39**  
 OF **86**

1/26/2022 1:26 PM G:\P\W\15920002-Lat 4 Final\300 CAD\340 Sheet Sets\08-LAT 4 CANAL PLAN AND PROFILE\39 138+00 - 150+00.dwg - Christopher Cervantes

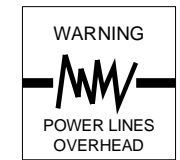
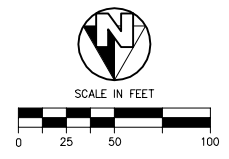
MATCH LINE  
STA 150+00 SEE SHEET 39

MATCH LINE  
STA 162+00 SEE SHEET 41

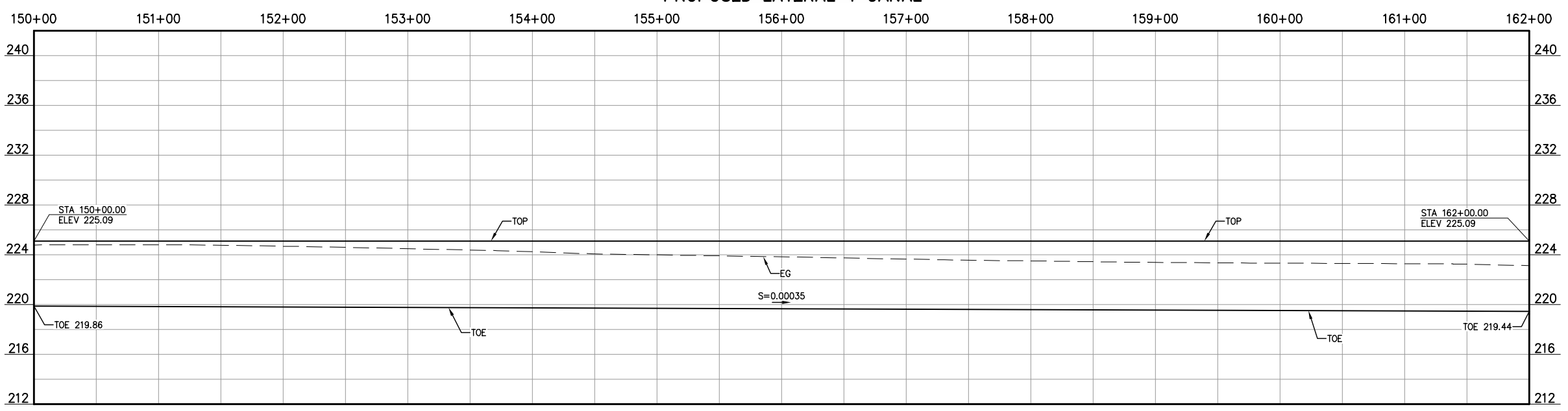


APN 293-170-003 & 293-170-004  
RBH FARMS, INC.  
320,900 SF  
ROW TO BE ACQUIRED: 7.37 AC

**PROPOSED LATERAL 4 CANAL**  
STATIONING ALONG CENTERLINE OF CANAL

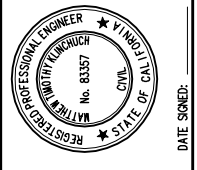


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**PROPOSED LATERAL 4 CANAL**

**NOT FOR CONSTRUCTION**  
1/26/2022



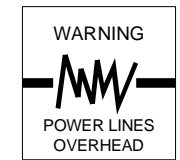
LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 CANAL PLAN AND PROFILE  
150+00 - 162+00

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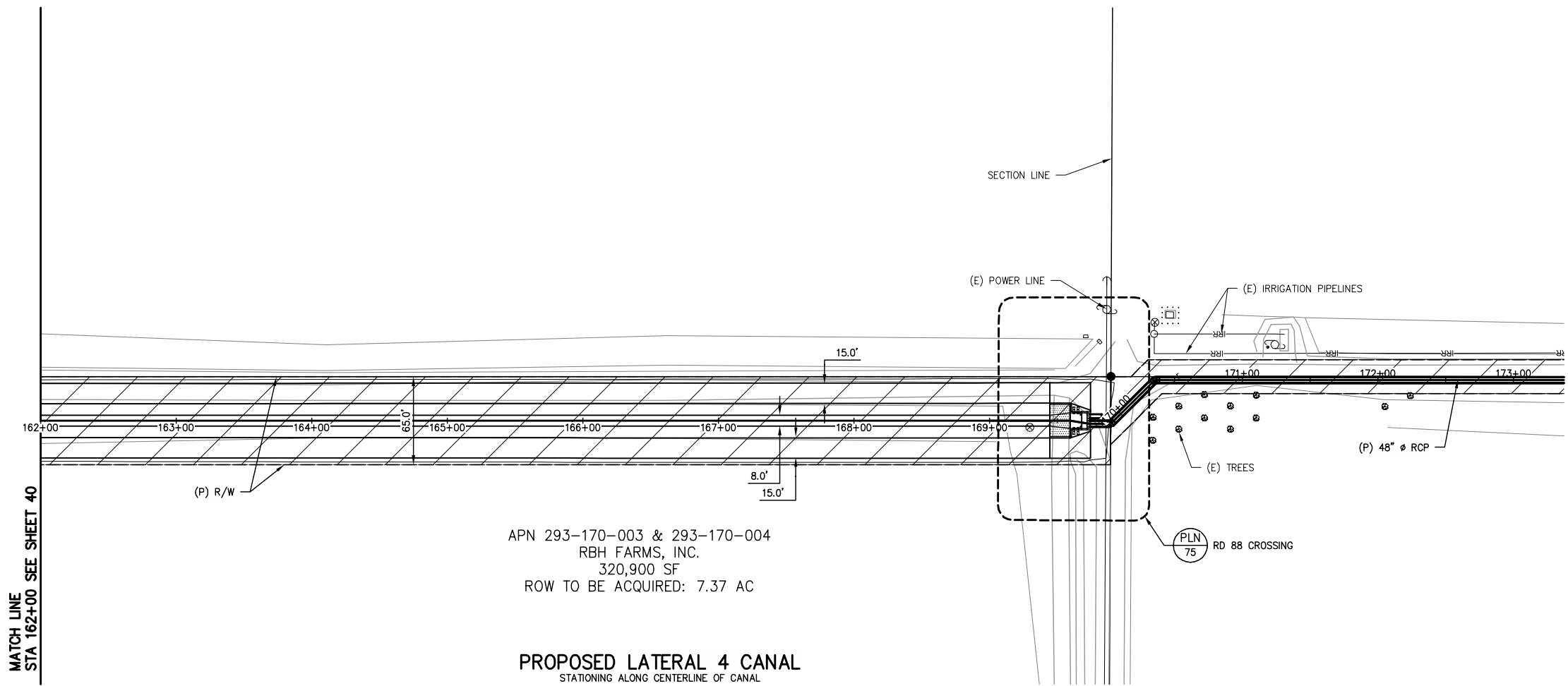
DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET **40**  
40 OF 86

1/26/2022 1:26 PM G:\P\Way ID-3159\315920002-Lat 4 Canal Plan and Profile\40 150+00 - 162+00.dwg - Christopher Cervantes



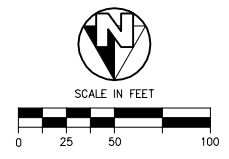
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APN 293-170-003 & 293-170-004  
RBH FARMS, INC.  
320,900 SF  
ROW TO BE ACQUIRED: 7.37 AC

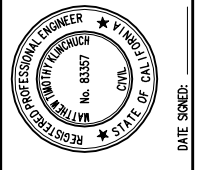
**PROPOSED LATERAL 4 CANAL**  
STATIONING ALONG CENTERLINE OF CANAL

MATCH LINE  
STA 162+00 SEE SHEET 40



**NOT FOR CONSTRUCTION**  
1/26/2022

NO.	REVISION	BY	DATE



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 CANAL PLAN AND PROFILE  
162+00 - 170+00

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559/636-1166 FAX 559/636-1177  
www.pprg.com

DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357

DRAFTED BY: CBC  
CHECKED BY: MTK

DATE: 01/26/2022

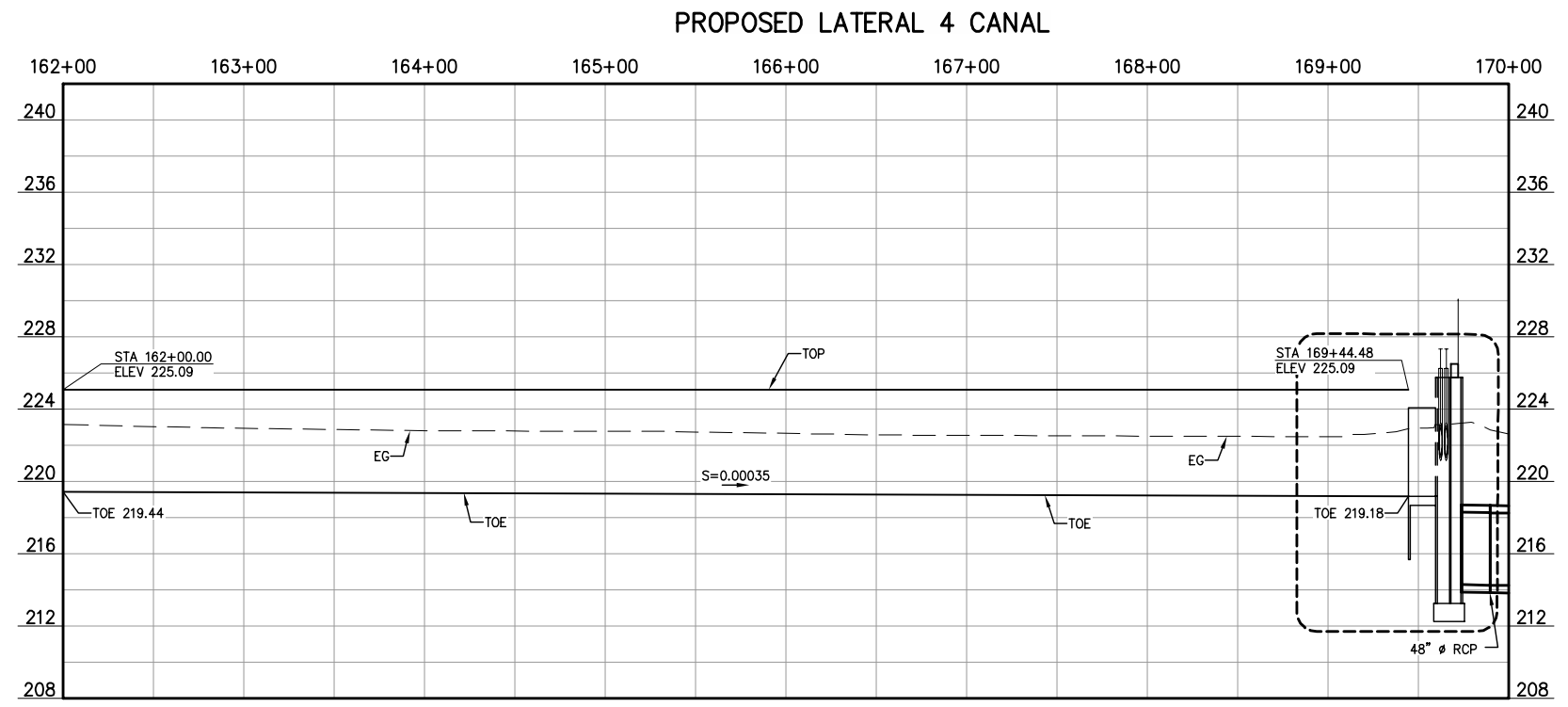
JOB NO: 315920002

PROJECT NO: 315920002

PHASE: DES

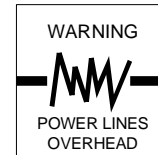
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **41** OF **86**



1/26/2022 1:27 PM C:\P\W\159\315920002-Lat 4 Canal Plan and Profile\41 162+00 - 170+00.dwg - Christopher Cervantes



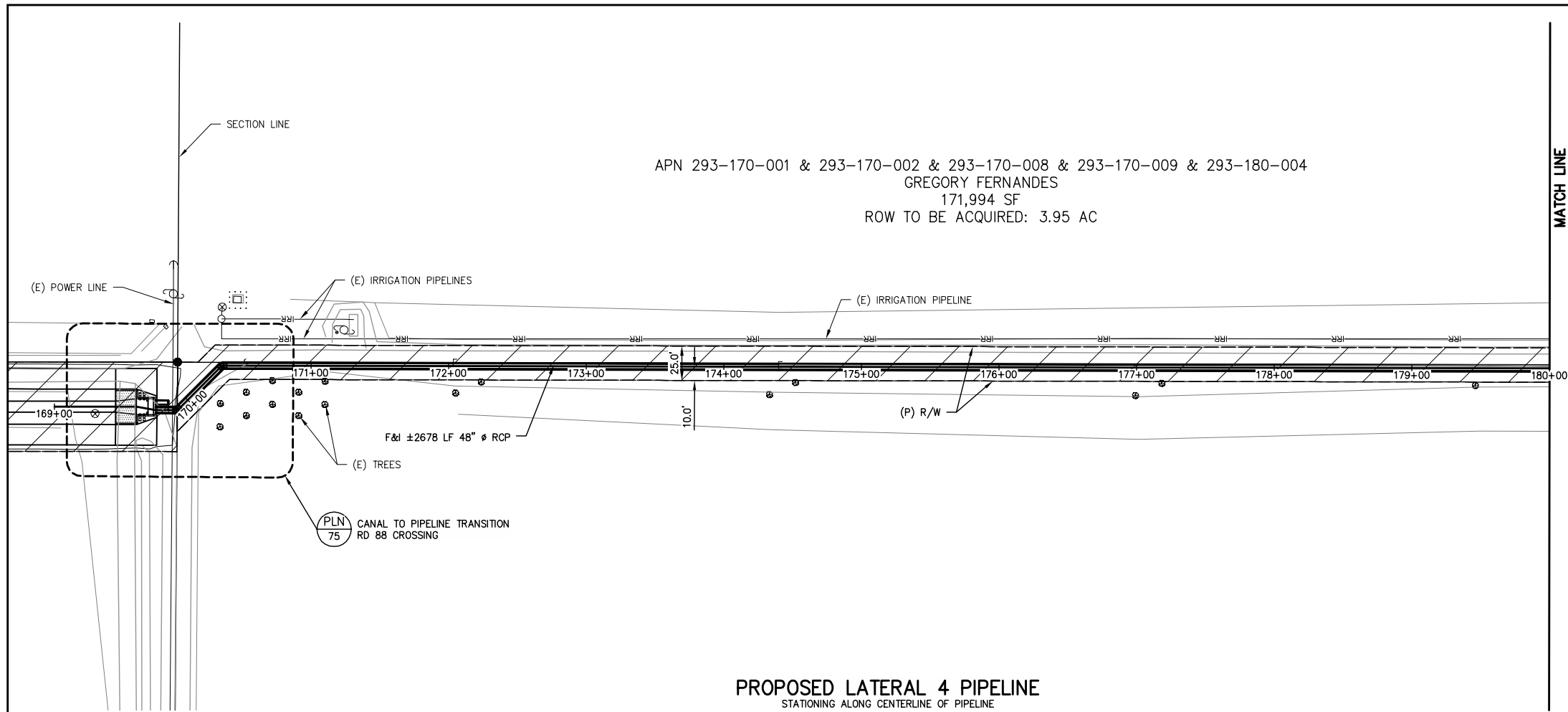


Know what's below.  
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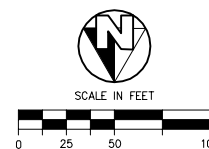
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APN 293-170-001 & 293-170-002 & 293-170-008 & 293-170-009 & 293-180-004  
GREGORY FERNANDES  
171,994 SF  
ROW TO BE ACQUIRED: 3.95 AC

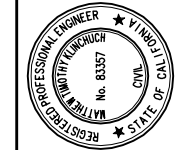
MATCH LINE  
STA 180+00 SEE SHEET 43



PROPOSED LATERAL 4 PIPELINE  
STATIONING ALONG CENTERLINE OF PIPELINE

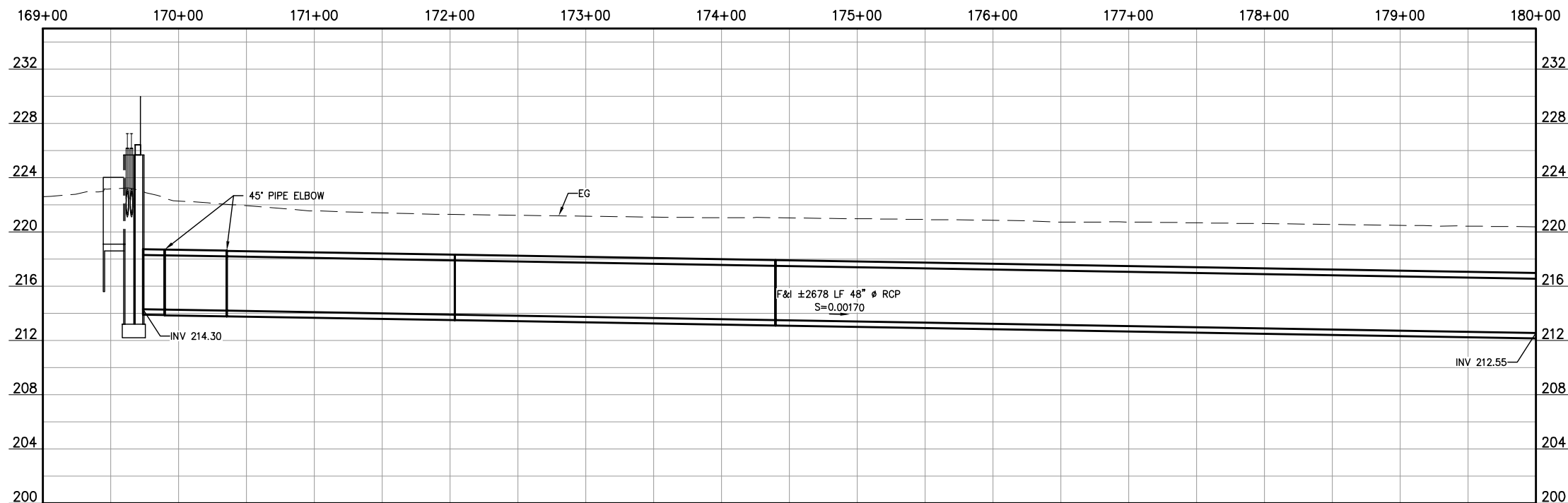


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1/26/2022



NO.	REVISION	BY	DATE

PROPOSED LATERAL 4 PIPELINE



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 PIPELINE PLAN AND PROFILE  
169+00 - 180+00

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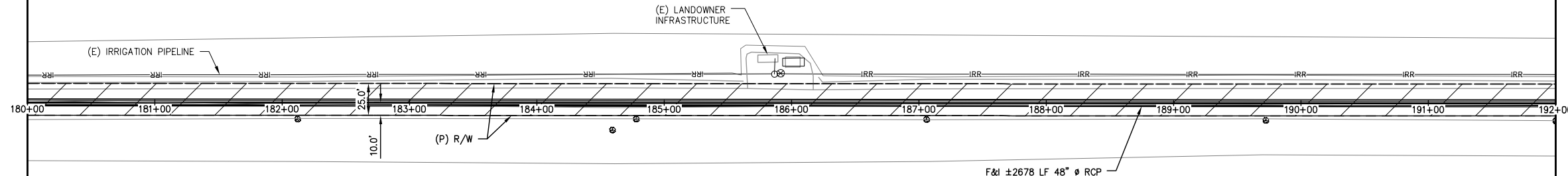
DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002

PHASE: DES  
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ORIGINAL SCALE SHOWN IS  
ONE INCH. ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

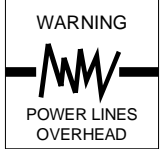
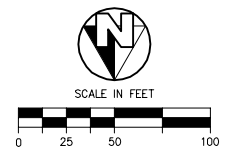
MATCH LINE  
STA 180+00 SEE SHEET 42

MATCH LINE  
STA 192+00 SEE SHEET 44

APN 293-170-001 & 293-170-002 & 293-170-008 & 293-170-009 & 293-180-004  
GREGORY FERNANDES  
171,994 SF  
ROW TO BE ACQUIRED: 3.95 AC



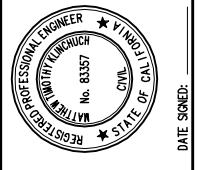
**PROPOSED LATERAL 4 PIPELINE**  
STATIONING ALONG CENTERLINE OF PIPELINE



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1/26/2022

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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 PIPELINE PLAN AND PROFILE  
180+00 - 192+00

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MATT KLINCHUCH  
LICENSE NO:  
83357

DRAFTED BY: CBC  
CHECKED BY: MTK

DATE: 01/26/2022

JOB NO: 315920002

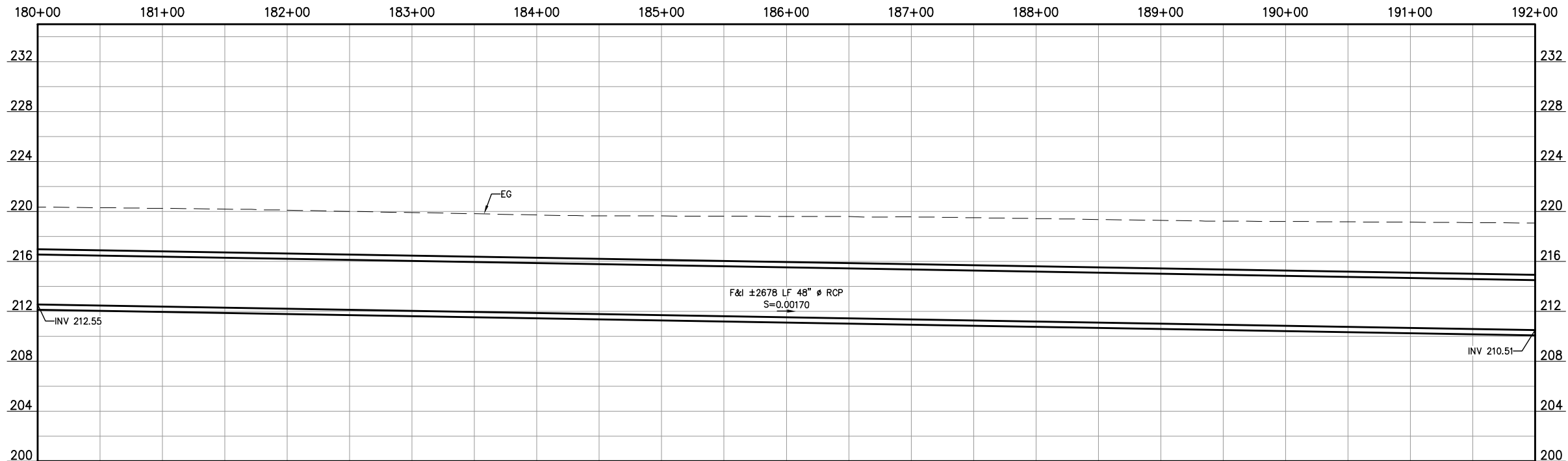
PROJECT NO: 315920002

PHASE: DES

0 1"  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **43** OF **86**

**PROPOSED LATERAL 4 PIPELINE**

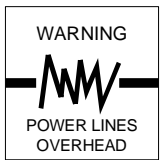
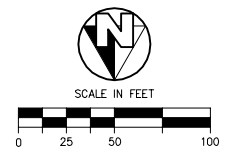
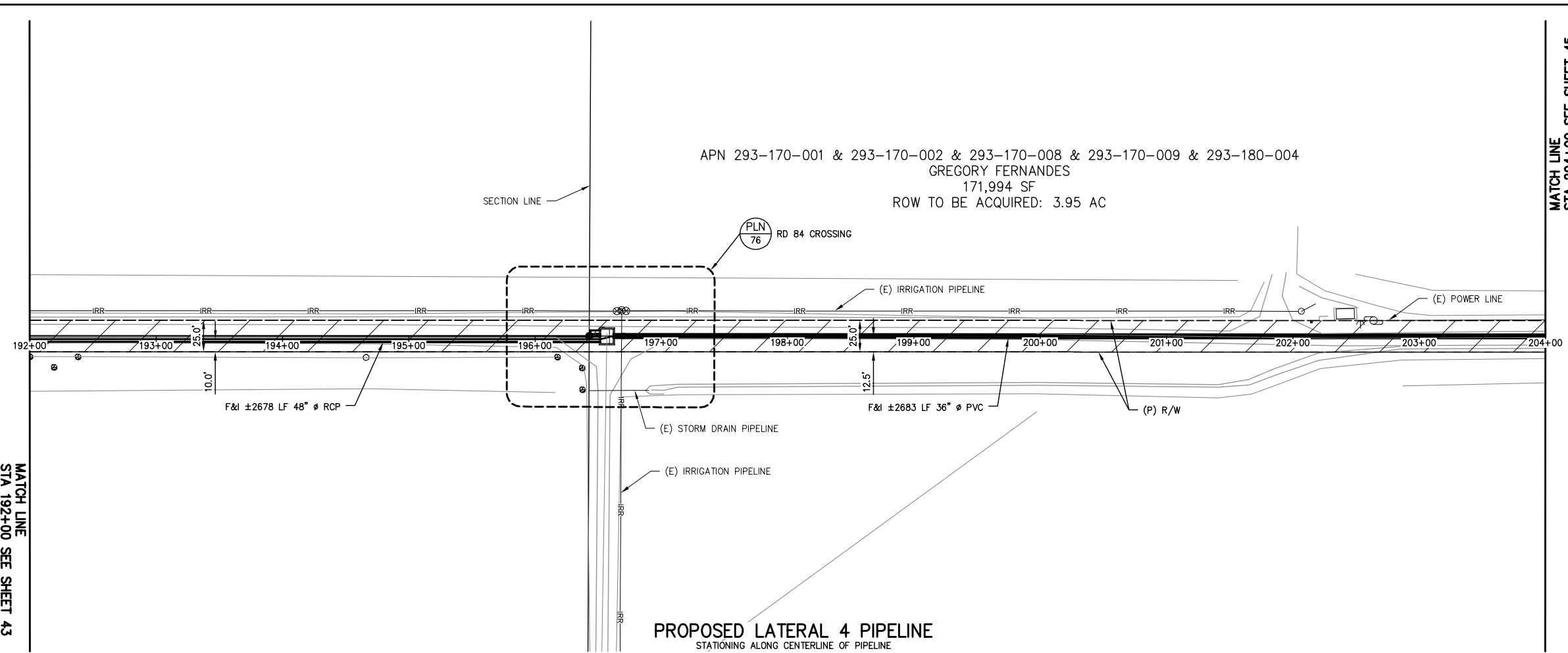


1/26/2022 1:27 PM C:\VP\Proj\315920002-Lat 4 Pipeline Plan and Profile\315920002-Lat 4 Pipeline Plan and Profile\315920002-Lat 4 Pipeline Plan and Profile.dwg - Christopher Cervantes

MATCH LINE  
STA 192+00 SEE SHEET 43

MATCH LINE  
STA 204+00 SEE SHEET 45

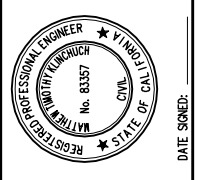
APN 293-170-001 & 293-170-002 & 293-170-008 & 293-170-009 & 293-180-004  
GREGORY FERNANDES  
171,994 SF  
ROW TO BE ACQUIRED: 3.95 AC



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1/26/2022

No.	REVISION	BY	DATE



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 PIPELINE PLAN AND PROFILE  
192+00 - 204+00

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DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357

DRAFTED BY: CBC  
CHECKED BY: MTK

DATE: 01/26/2022

JOB NO: 315920002

PROJECT NO: 315920002

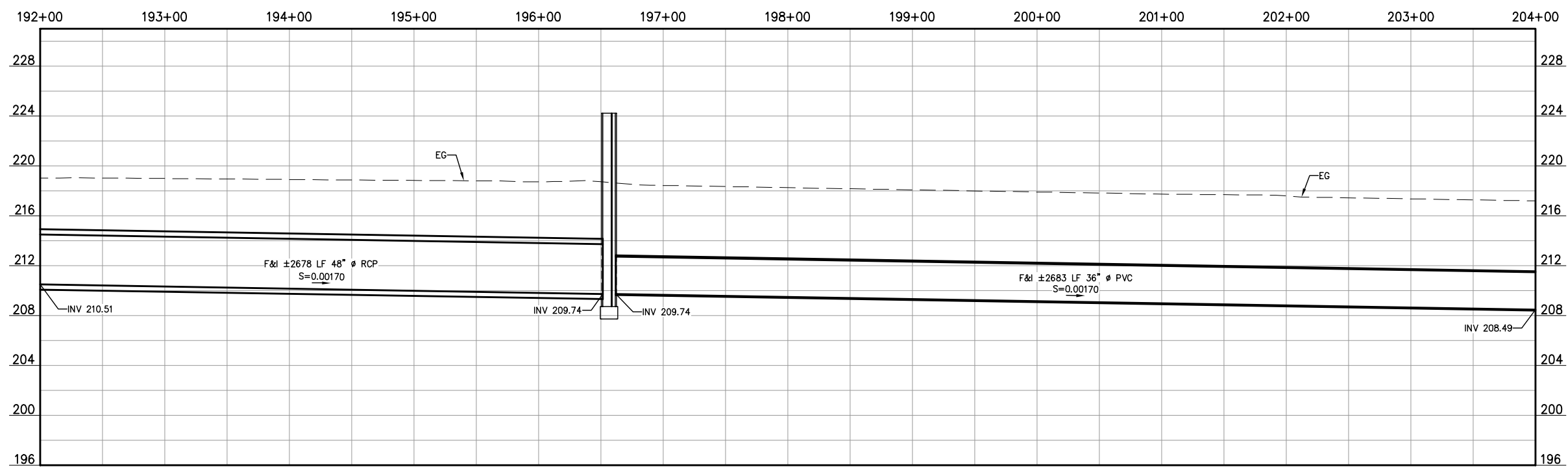
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0 1" = 1"

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

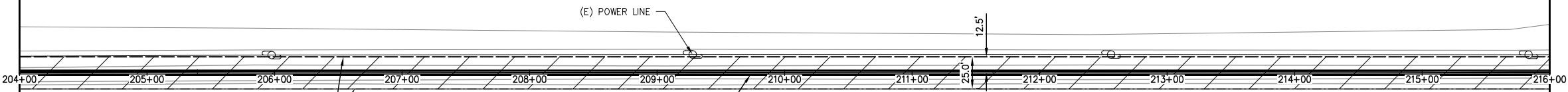
SHEET **44** OF **86**

**PROPOSED LATERAL 4 PIPELINE**



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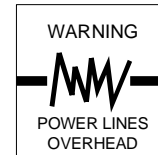
MATCH LINE  
STA 204+00 SEE SHEET 44



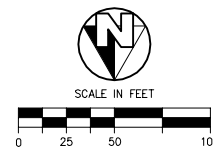
APN 293-170-001 & 293-170-002 & 293-170-008 & 293-170-009 & 293-180-004  
 GREGORY FERNANDES  
 171,994 SF  
 ROW TO BE ACQUIRED: 3.95 AC

**PROPOSED LATERAL 4 PIPELINE**  
 STATIONING ALONG CENTERLINE OF PIPELINE

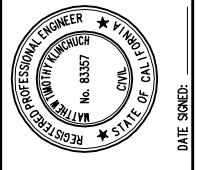
MATCH LINE  
STA 216+00 SEE SHEET 46



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LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 LAT 4 PIPELINE PLAN AND PROFILE  
 204+00 - 216+00

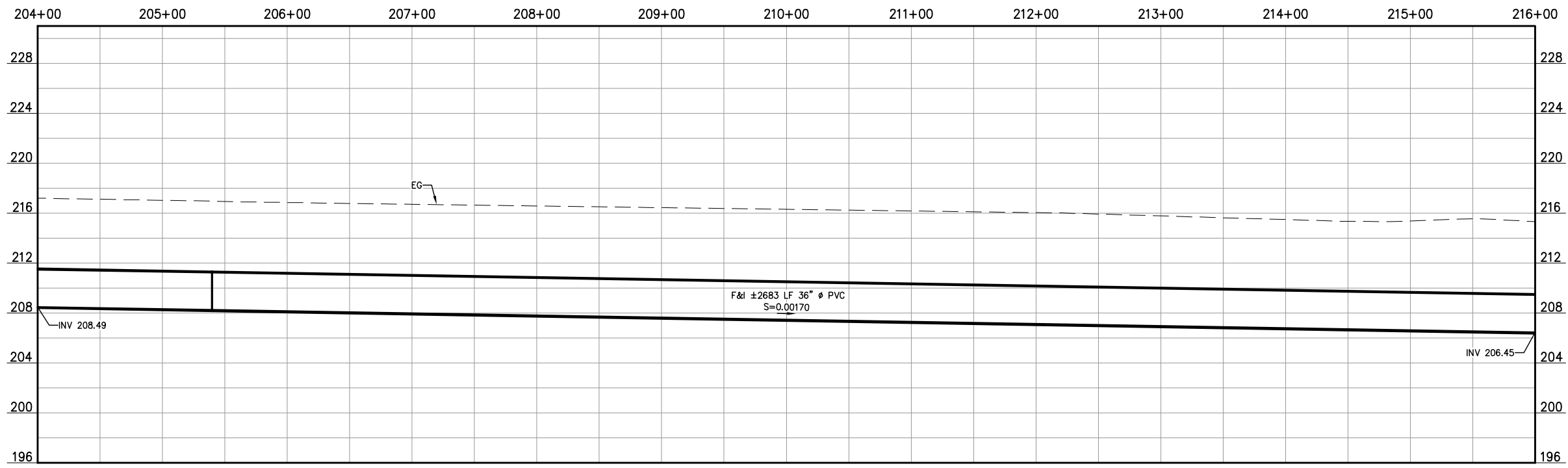
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DESIGN ENGINEER:  
 MATT KLINCHUCH  
 LICENSE NO:  
 83357  
 DRAFTED BY: CBC CHECKED BY: MTK  
 DATE: 01/26/2022  
 JOB NO: 315920002  
 PROJECT NO: 315920002

PHASE: DES  
 ORIGINAL SCALE SHOWN IS  
 ONE INCH. ADJUST SCALE FOR  
 REDUCED OR ENLARGED PLANS.

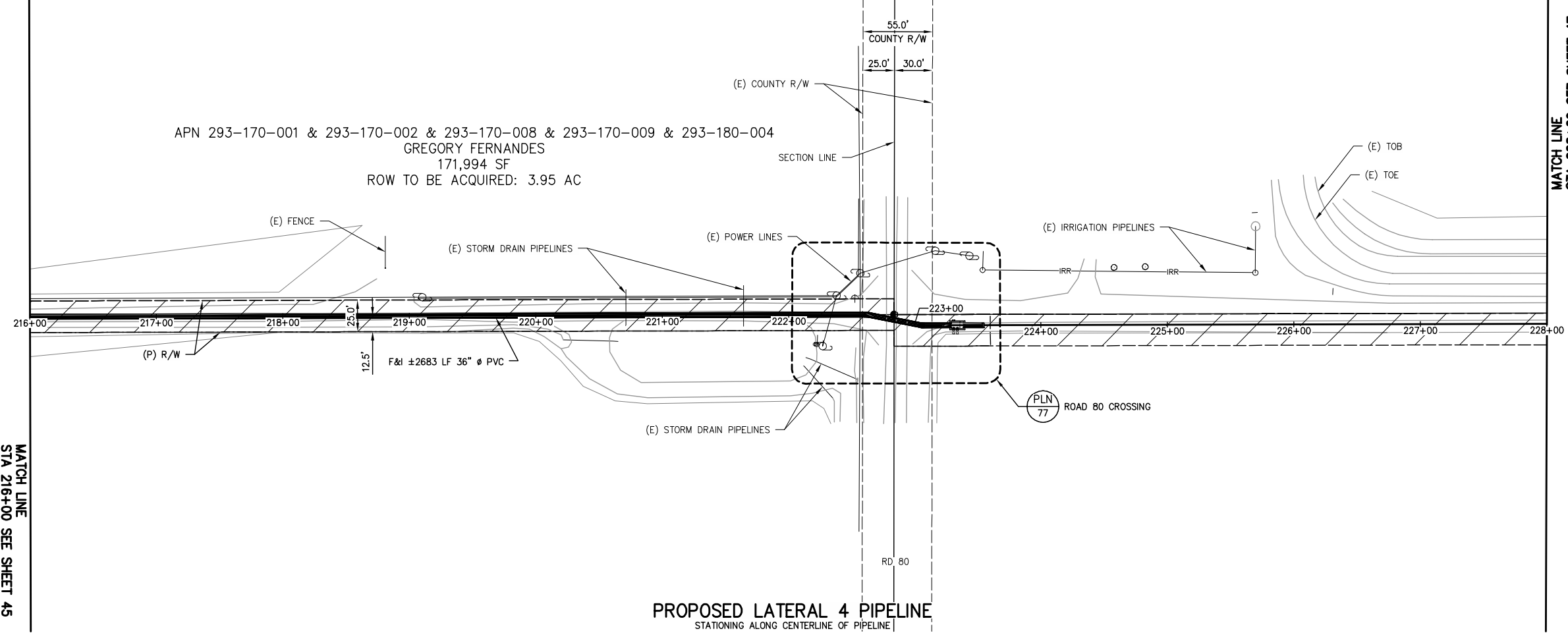
SHEET **45**  
 45 OF 86

**PROPOSED LATERAL 4 PIPELINE**



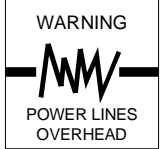
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APN 293-170-001 & 293-170-002 & 293-170-008 & 293-170-009 & 293-180-004  
 GREGORY FERNANDES  
 171,994 SF  
 ROW TO BE ACQUIRED: 3.95 AC



**PROPOSED LATERAL 4 PIPELINE**  
 STATIONING ALONG CENTERLINE OF PIPELINE

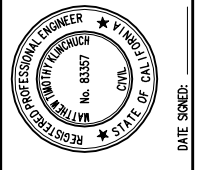
MATCH LINE  
 STA 228+00 SEE SHEET 47



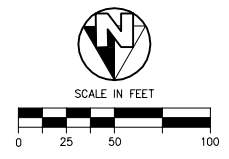
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MATCH LINE  
 STA 216+00 SEE SHEET 45

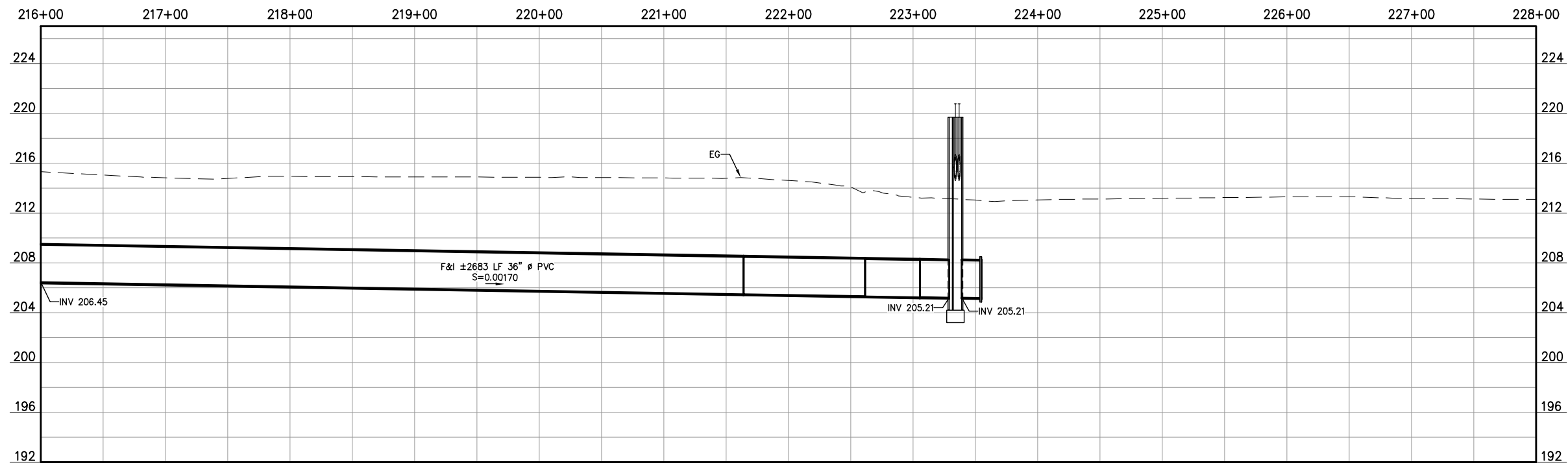
**NOT FOR CONSTRUCTION**  
 1/26/2022



No.	REVISION	BY	DATE



**PROPOSED LATERAL 4 PIPELINE**



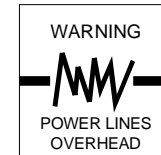
LATERAL 4 CANAL PROJECT  
 PIXLEY IRRIGATION DISTRICT  
 TULARE COUNTY  
 LAT 4 PIPELINE PLAN AND PROFILE  
 216+00 - 228+00

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 MATT KLINCHUCH  
 LICENSE NO:  
 83357  
 DRAFTED BY: CBC CHECKED BY: MTK  
 DATE: 01/26/2022  
 JOB NO: 315920002  
 PROJECT NO: 315920002

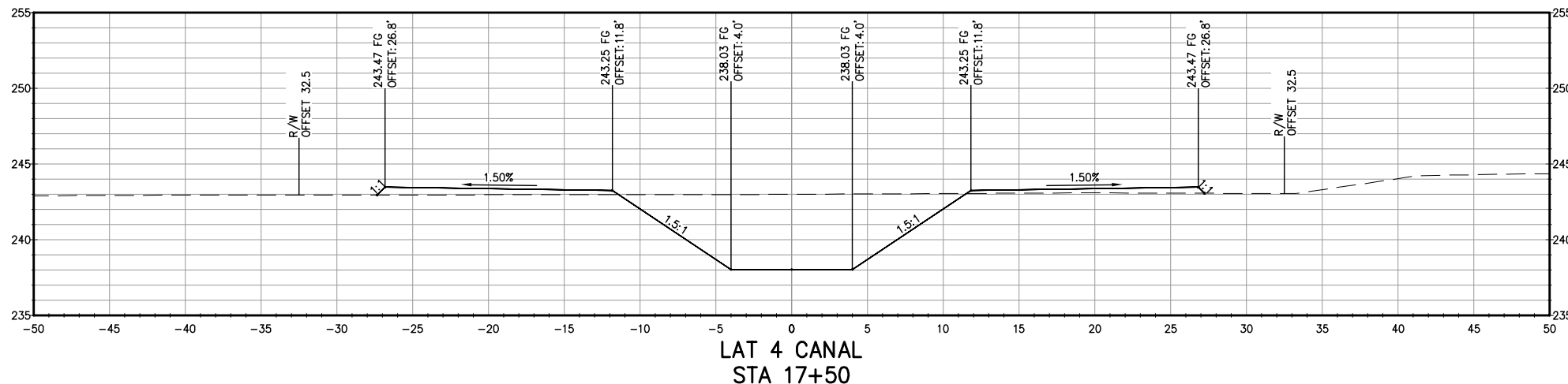
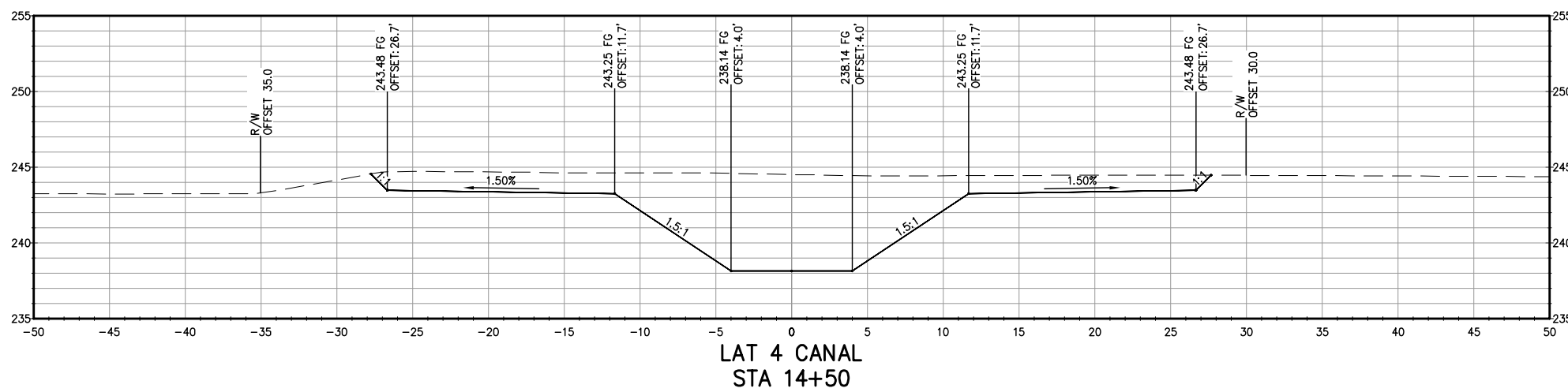
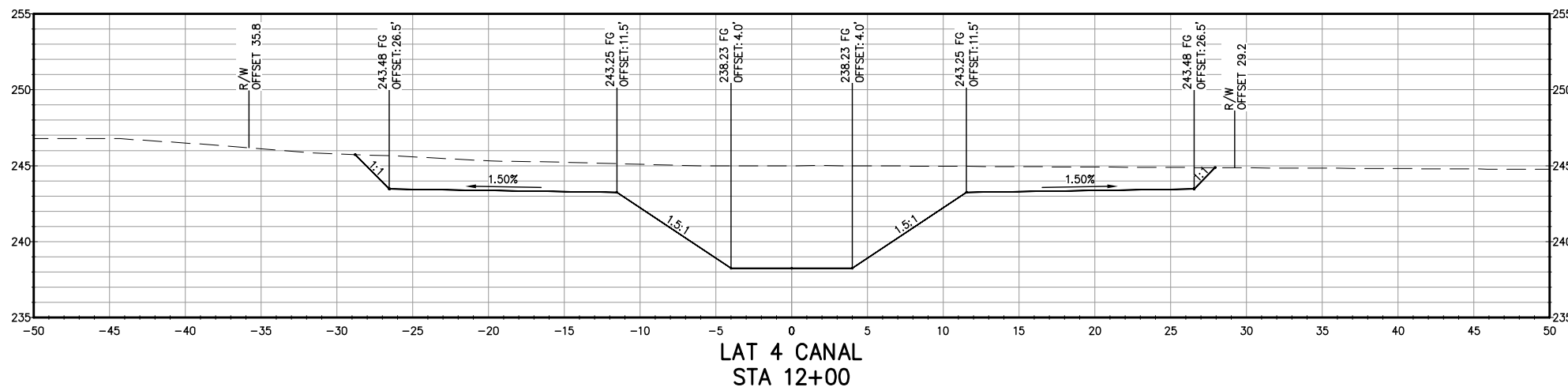
PHASE: DES  
 ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **46** OF **86**

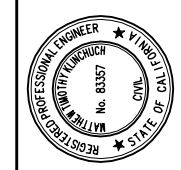


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1/26/2022



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SECTIONS  
STA 12+00 - 17+50

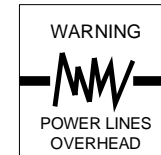
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MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002

PHASE: DES  
0 1" = 1"  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

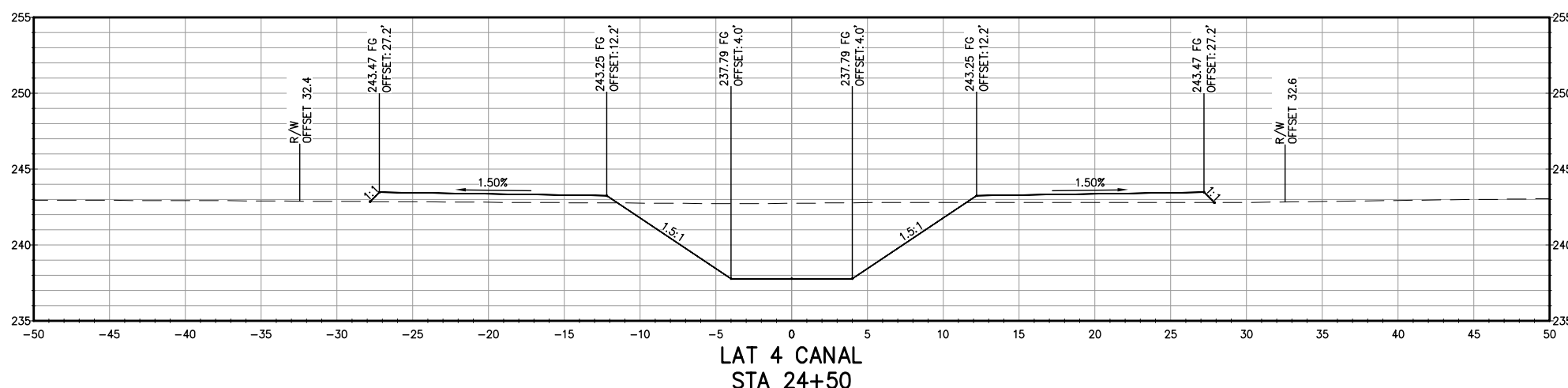
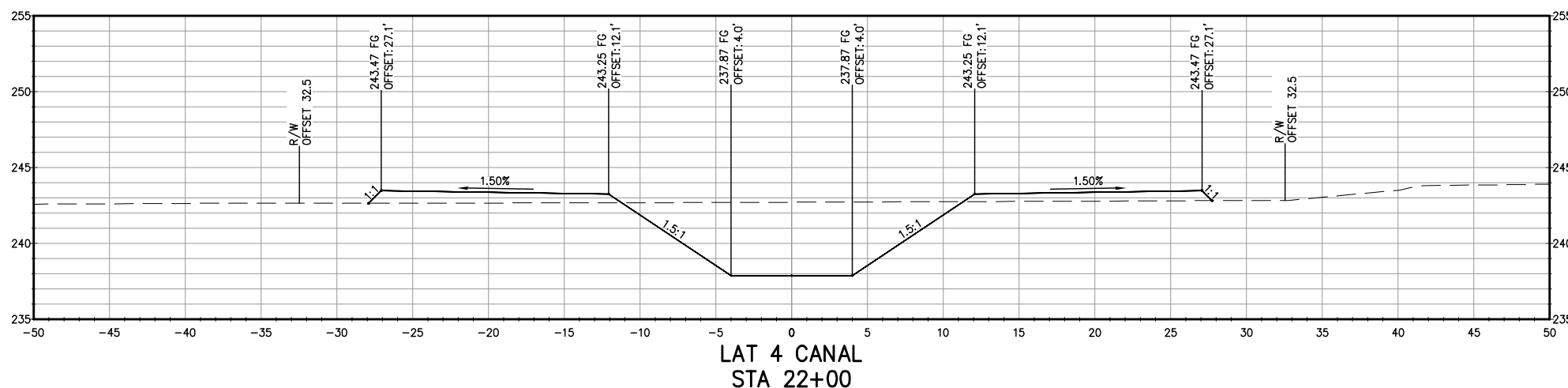
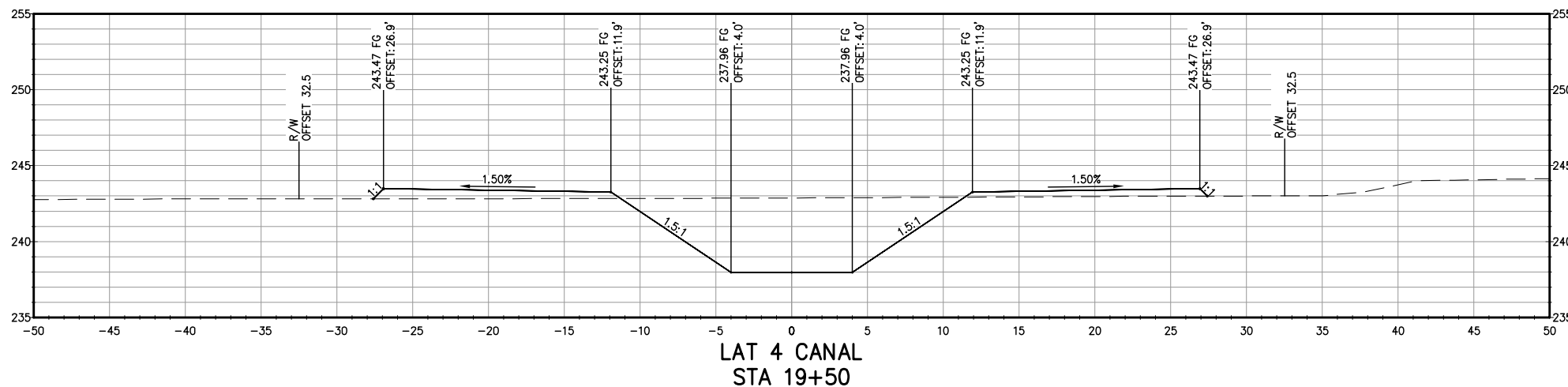
SHEET **47**  
OF **86**



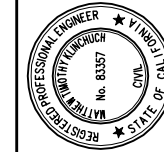


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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SECTIONS

STA 19+50 - 24+50

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83357

DRAFTED BY: CBC  
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DATE: 01/26/2022

JOB NO: 315920002

PROJECT NO: 315920002

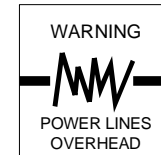
PHASE: DES

0 1" = 1"  
ORIGINAL SCALE SHOWN IS  
ONE INCH. ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

SHEET **48**

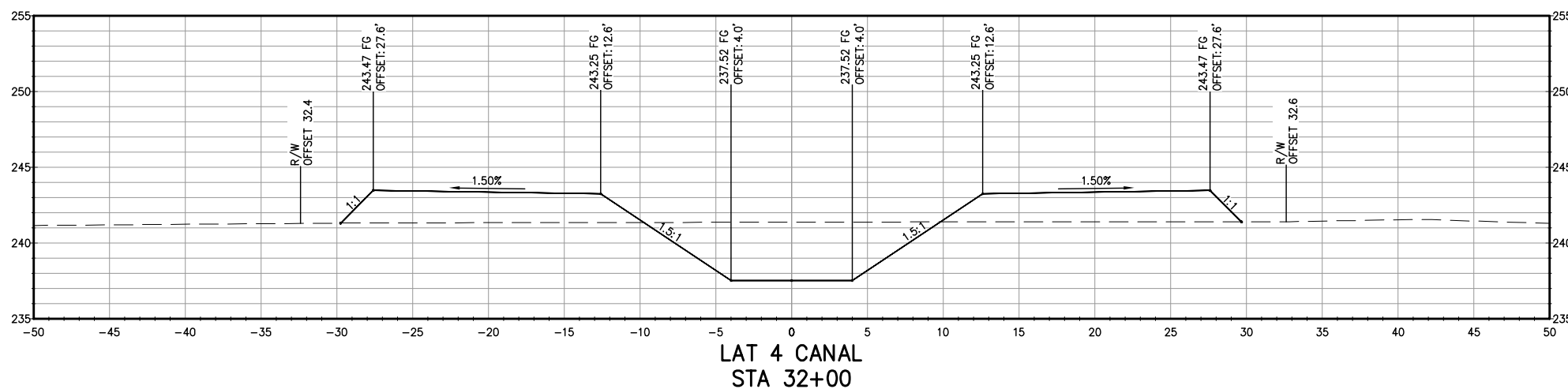
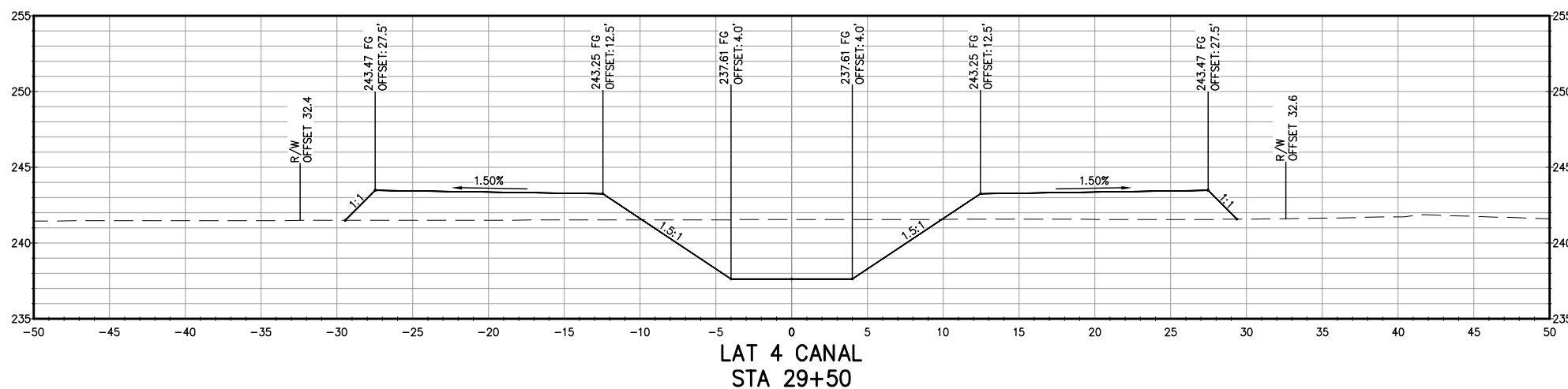
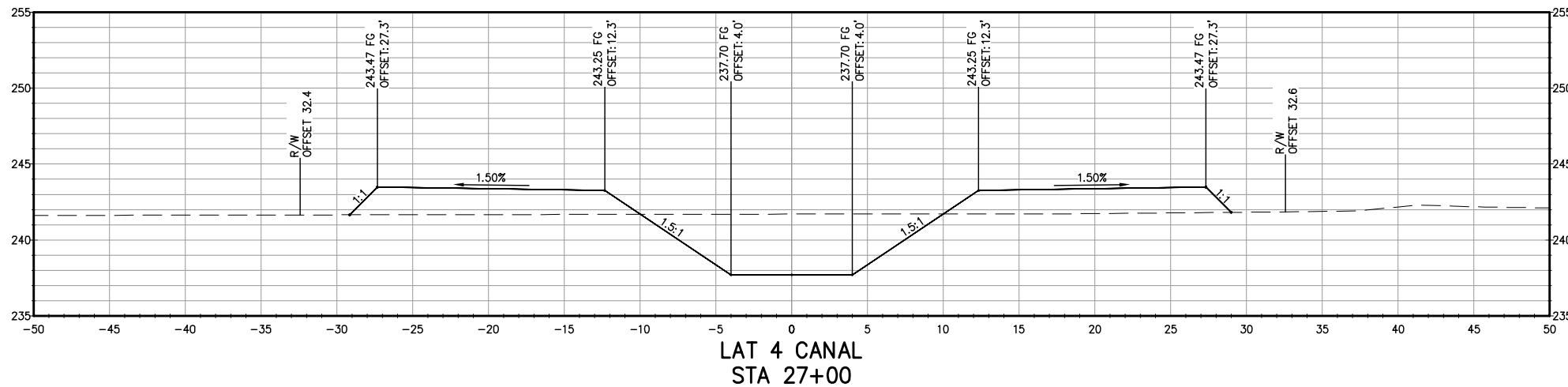
48 OF 86

1/26/2022 1:45 PM G:\P\wley\ID-3159\315920002-Lat 4 Final\300 CAD\340 Sheet Sets\10\_LAT 4 SECTIONS\48 STA 19+50 - 24+50.dwg - Christopher Cervantes

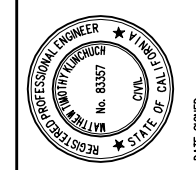


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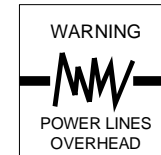
LATERAL 4 CANAL PROJECT  
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LAT 4 SECTIONS  
STA 27+00 - 32+00

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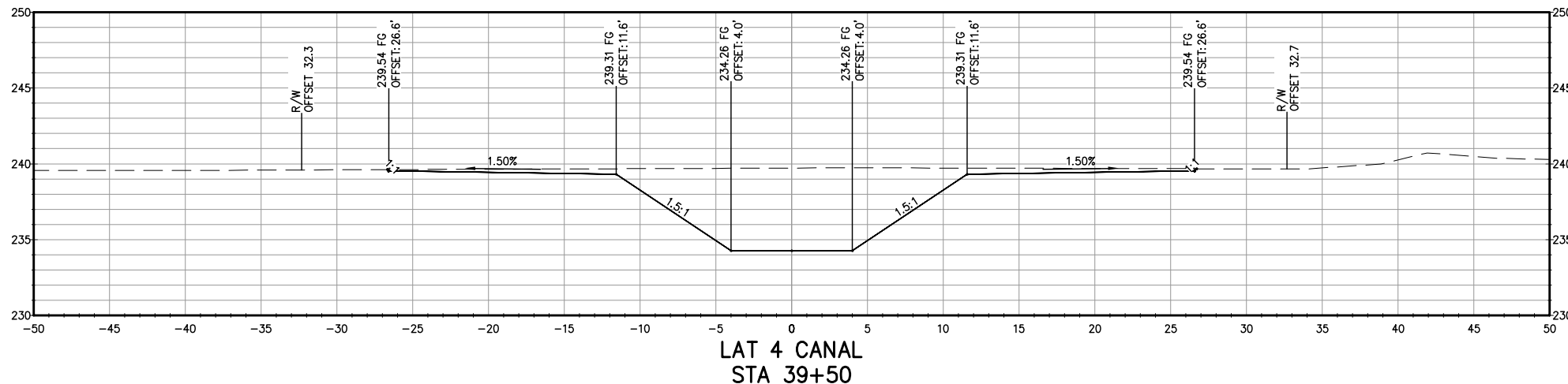
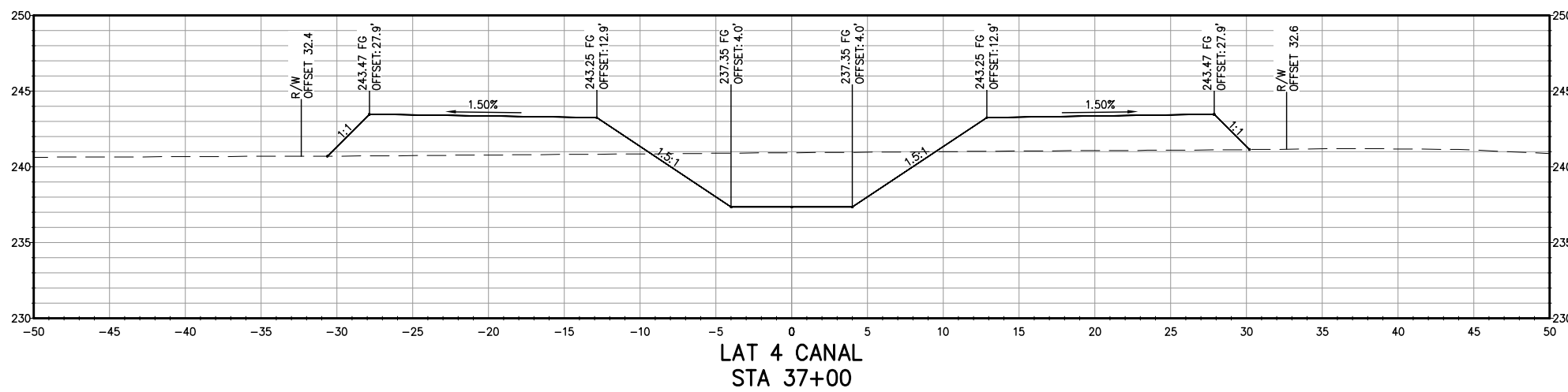
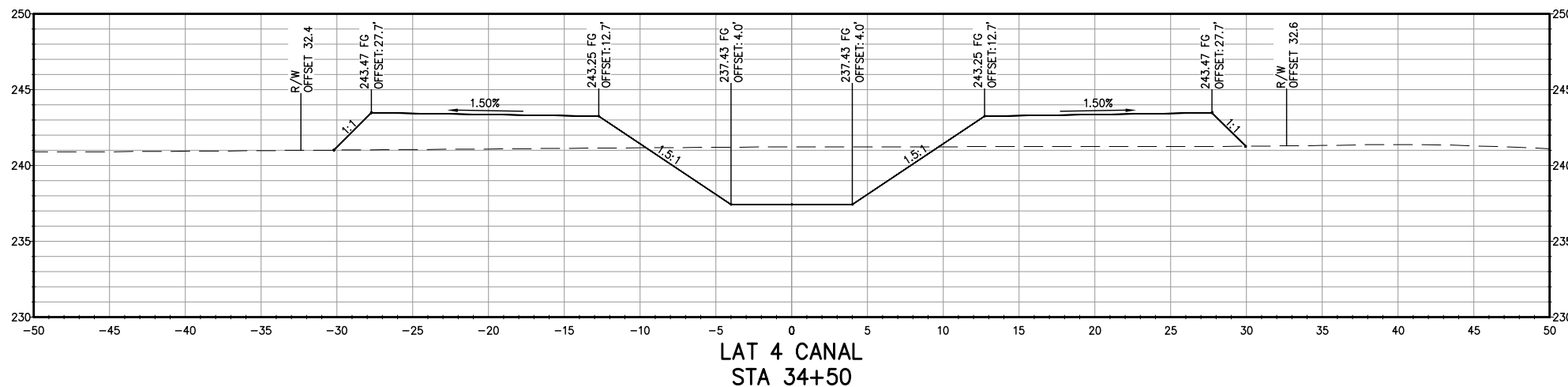
DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
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REDUCED OR ENLARGED PLANS.

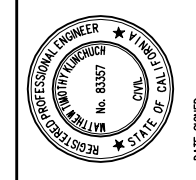
SHEET **49**  
49 OF 86



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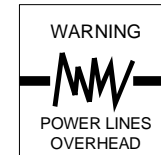
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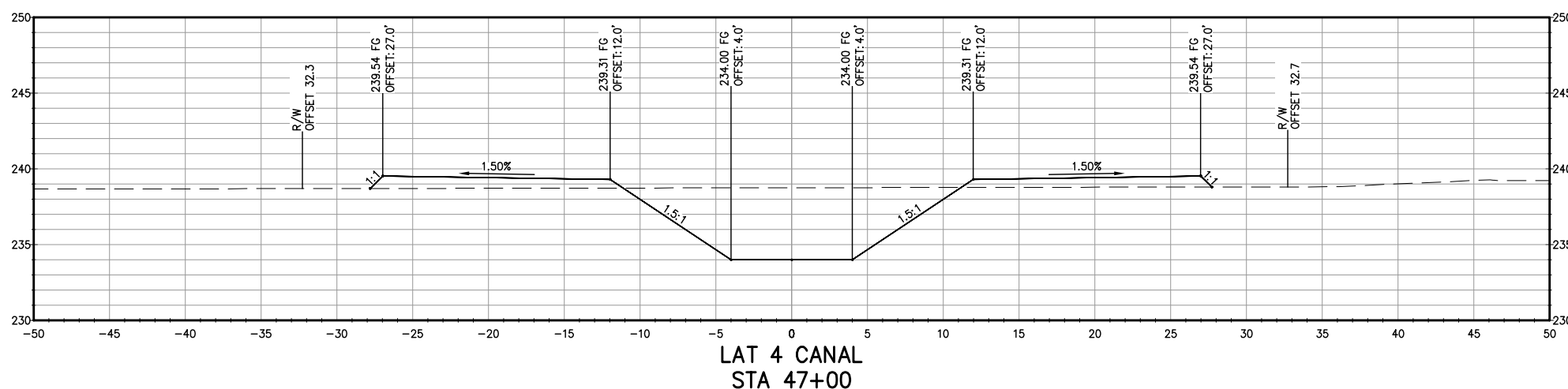
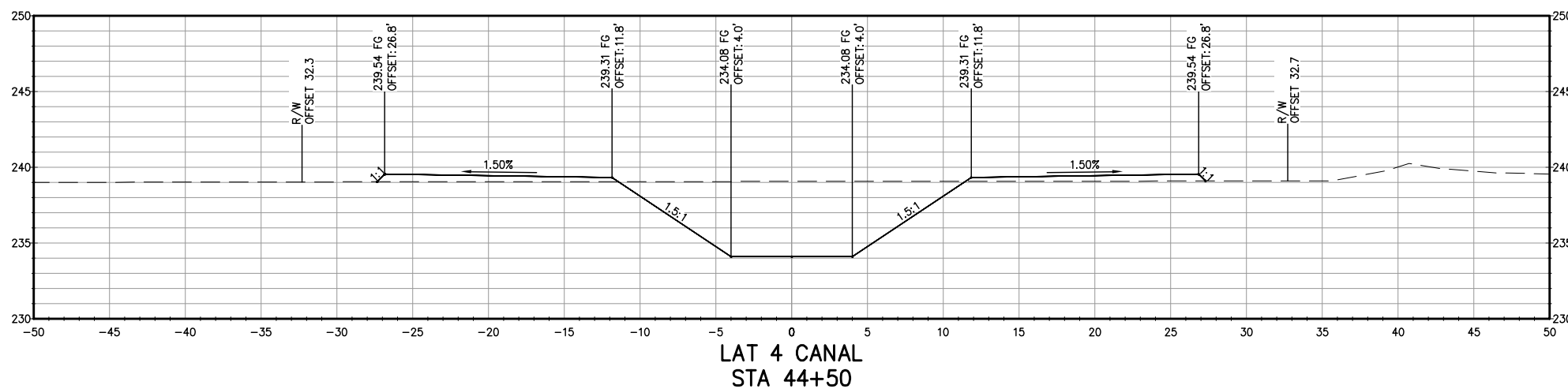
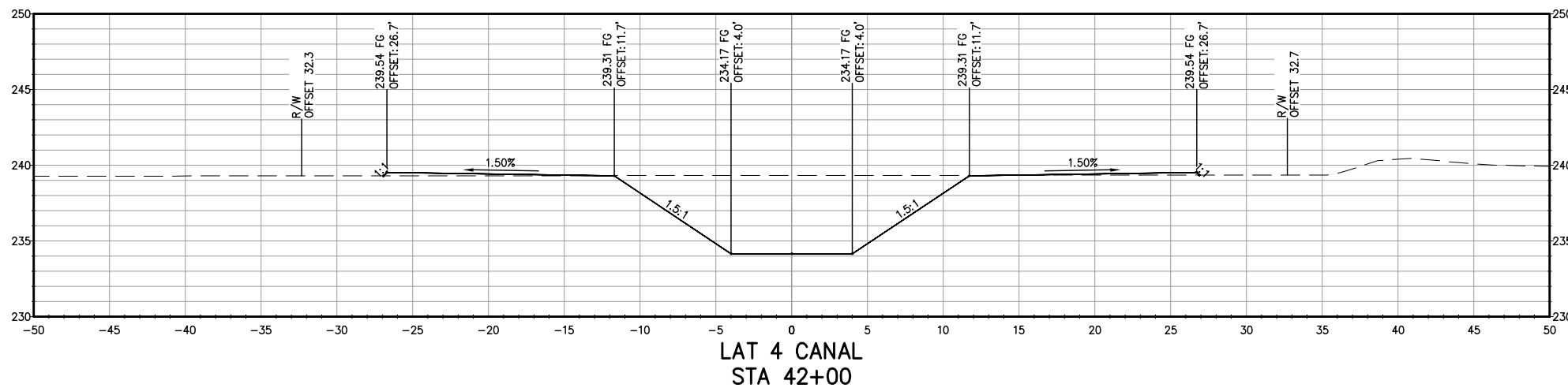
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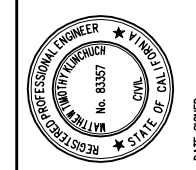


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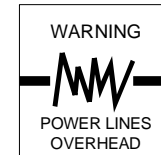
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STA 42+00 - 47+00

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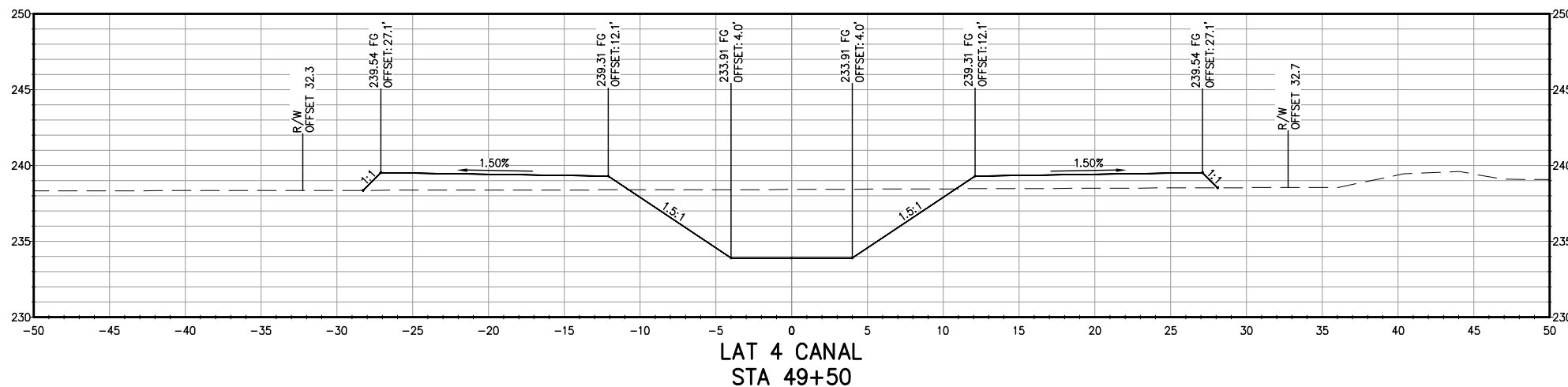
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LICENSE NO:  
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DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002

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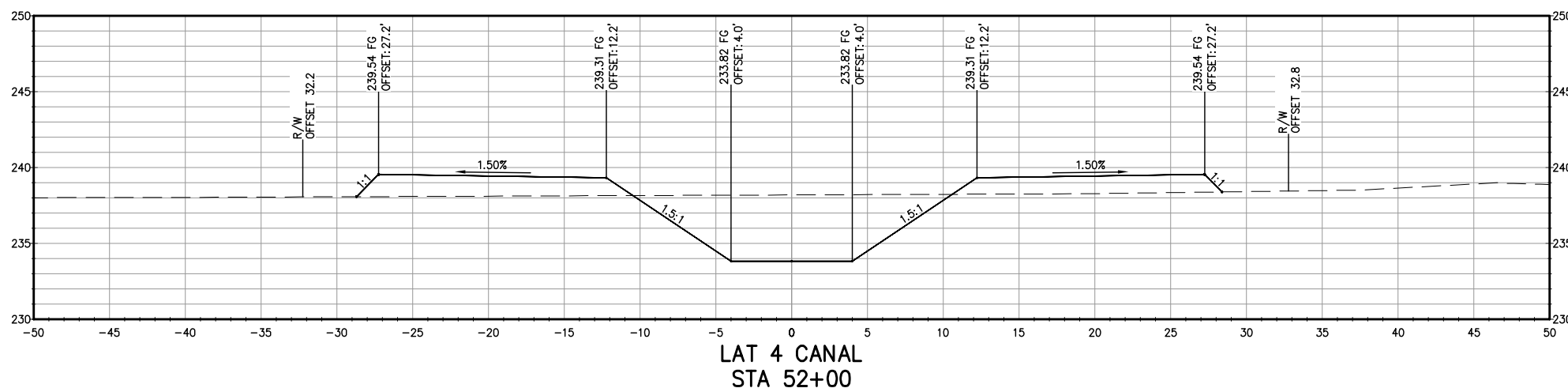
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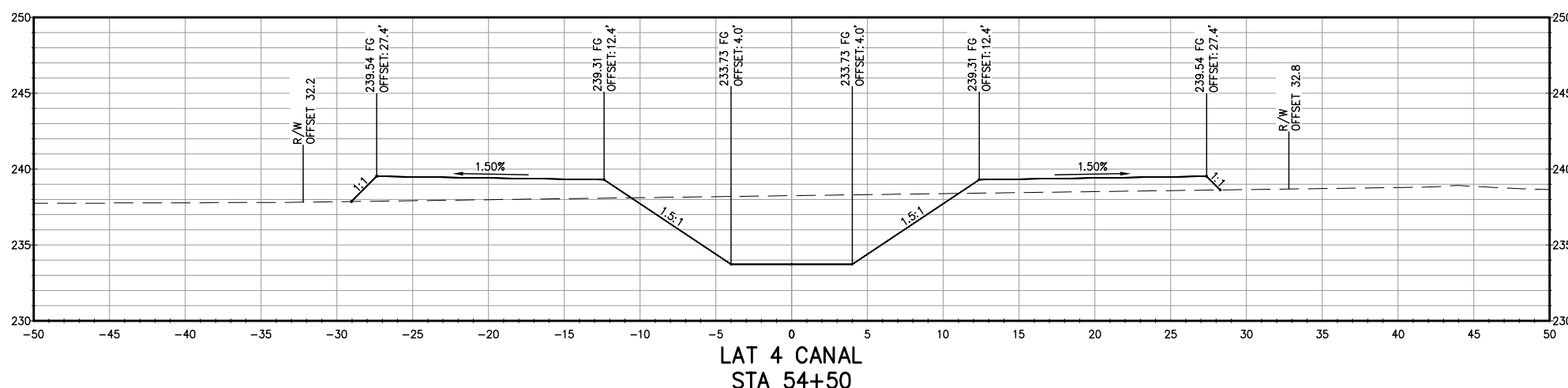
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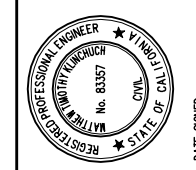


LAT 4 CANAL  
STA 52+00



LAT 4 CANAL  
STA 54+50

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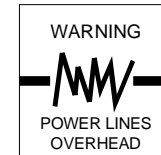
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JOB NO: 315920002  
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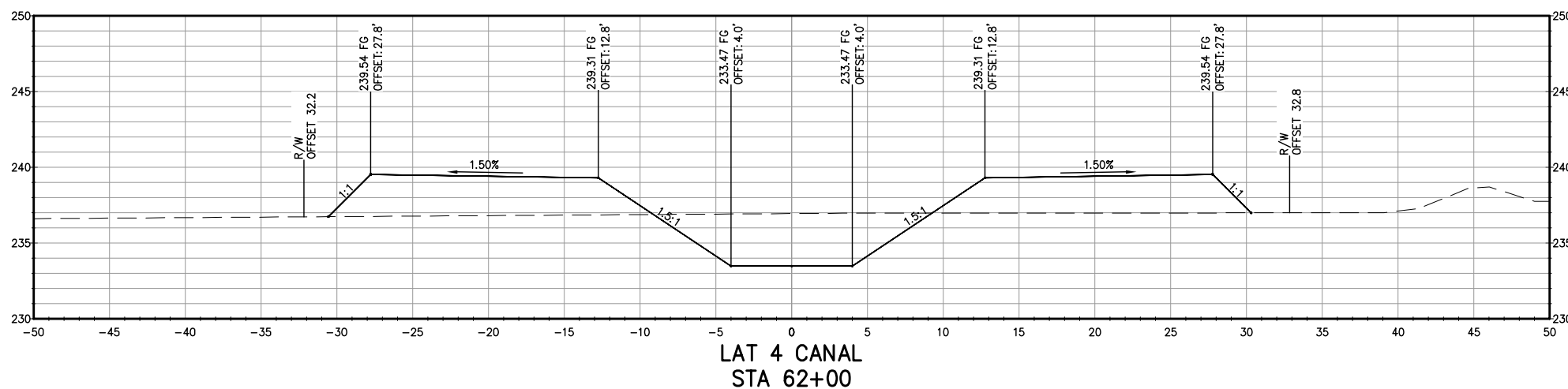
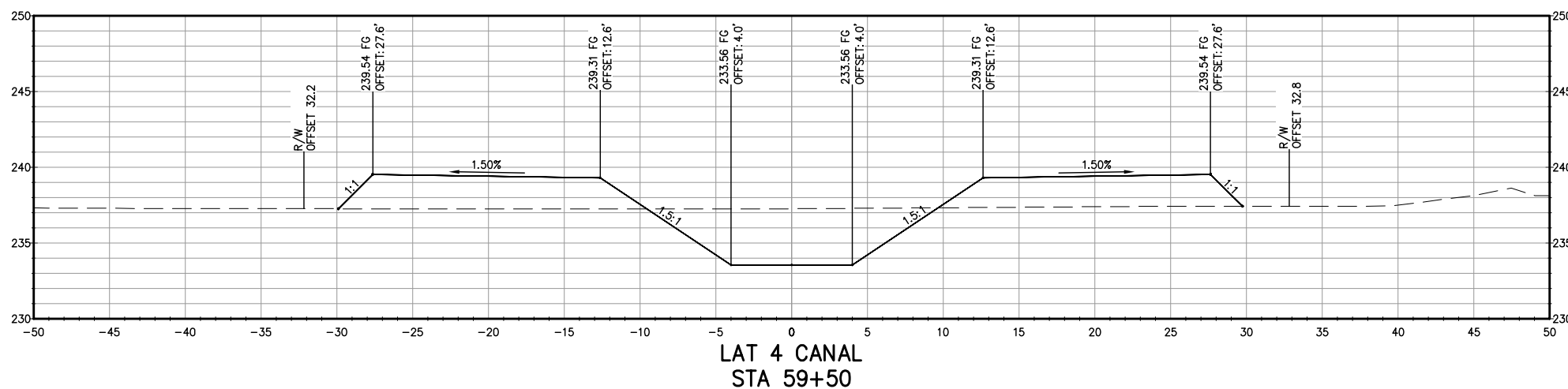
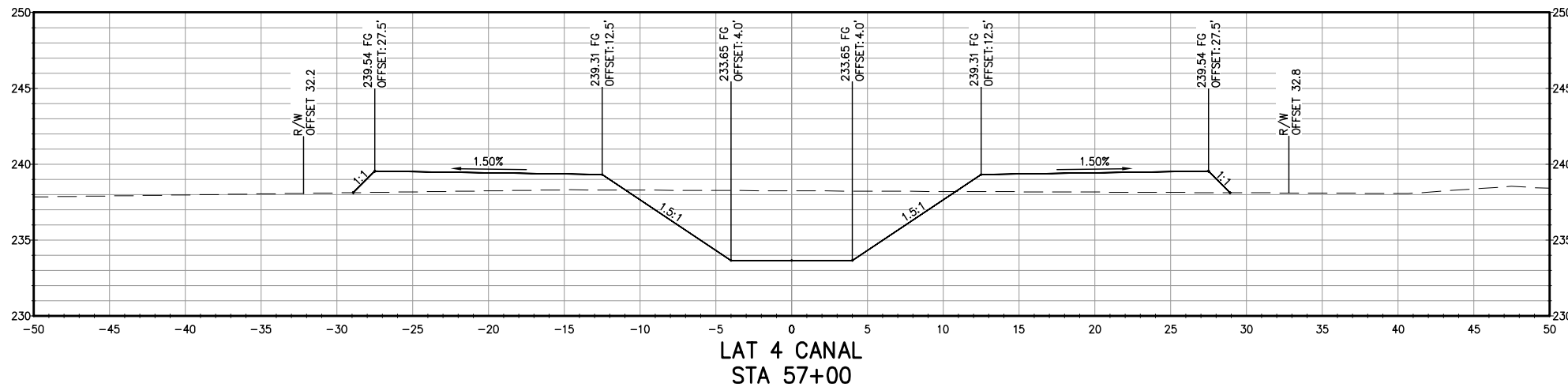
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SHEET 52 OF 86

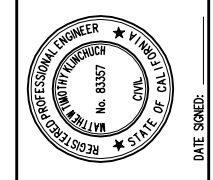


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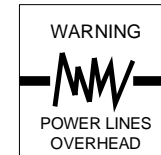
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PROJECT NO: 315920002

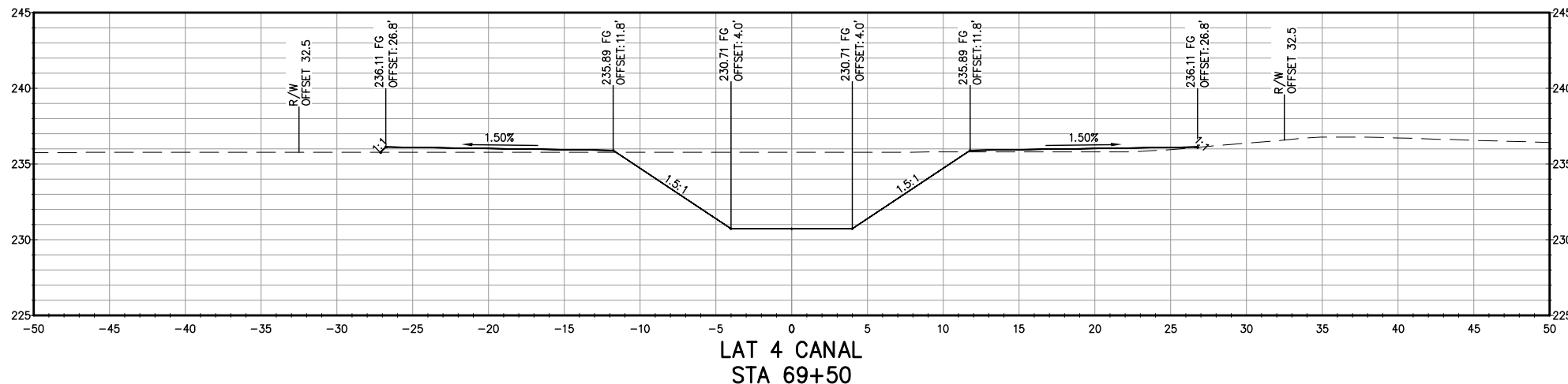
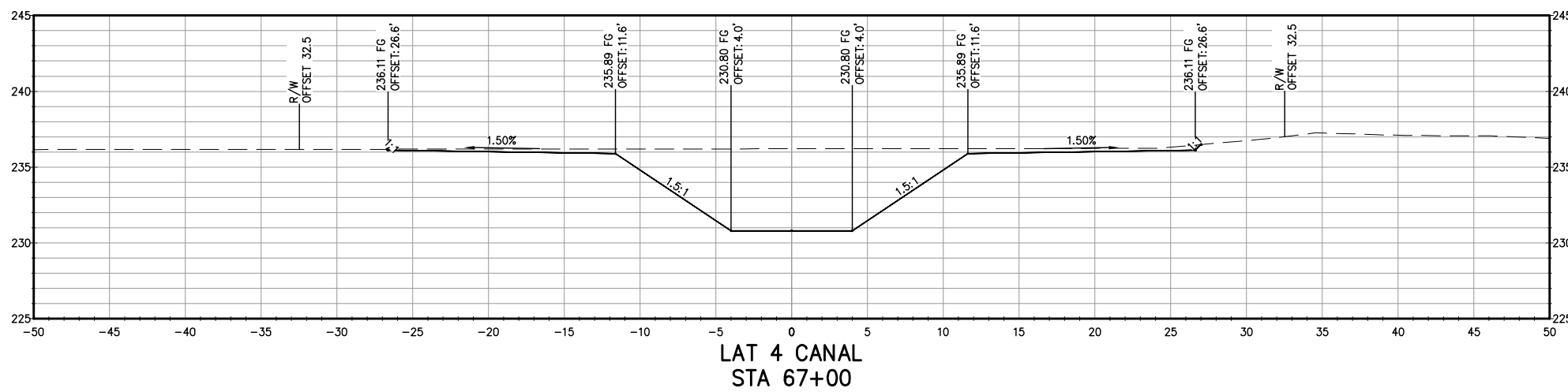
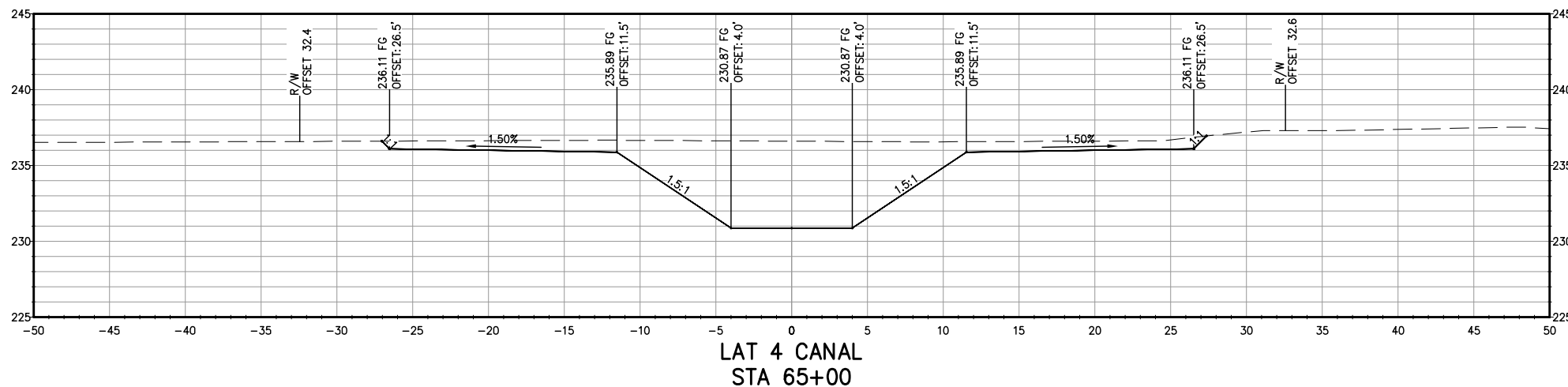
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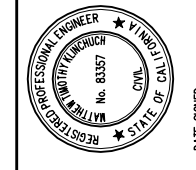




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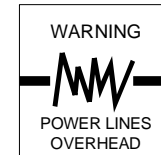
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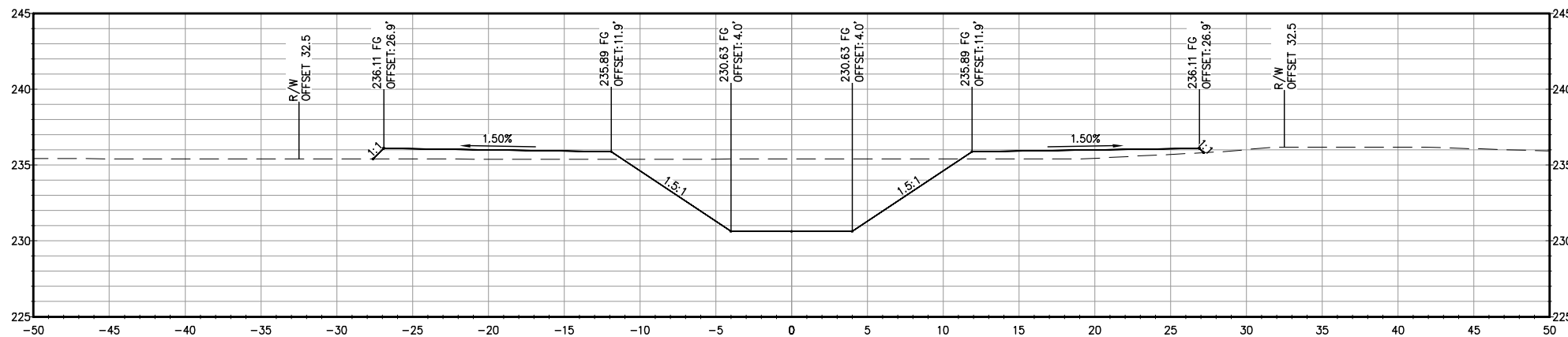
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SHEET **54** OF **86**

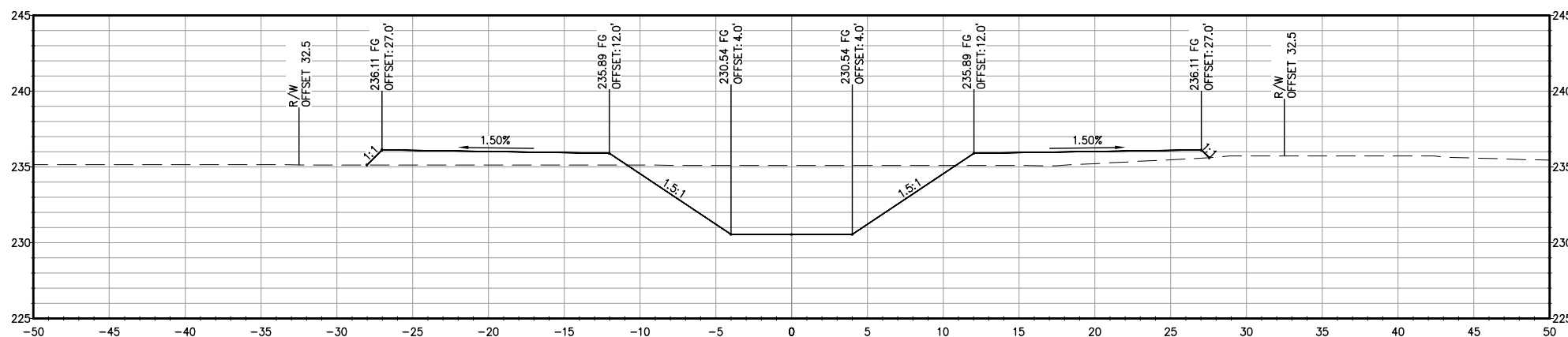


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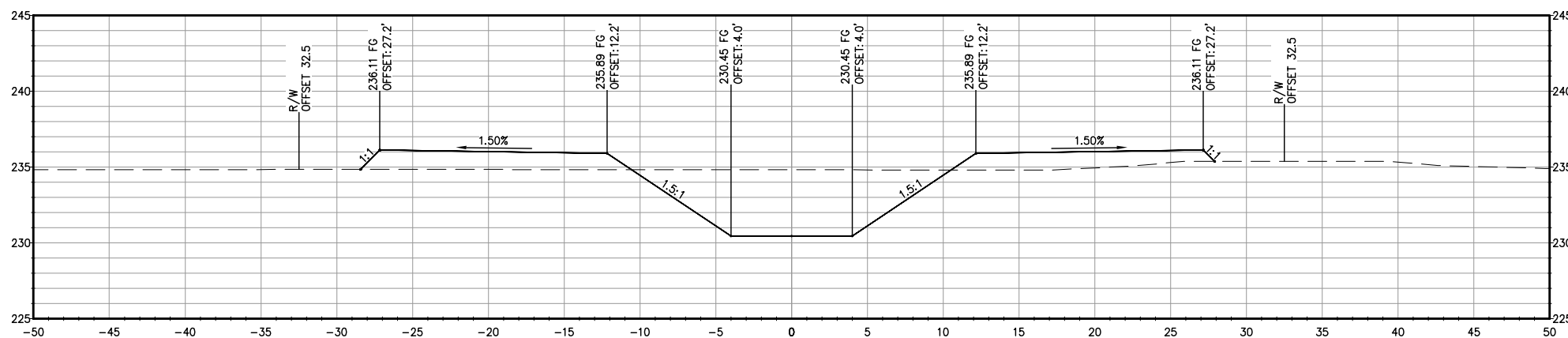
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STA 72+00

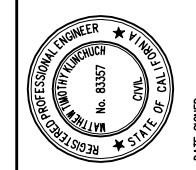


LAT 4 CANAL  
STA 74+50



LAT 4 CANAL  
STA 77+00

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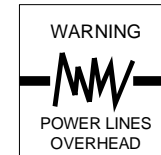
LATERAL 4 CANAL PROJECT  
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LAT 4 SECTIONS  
STA 72+00 - 77+00

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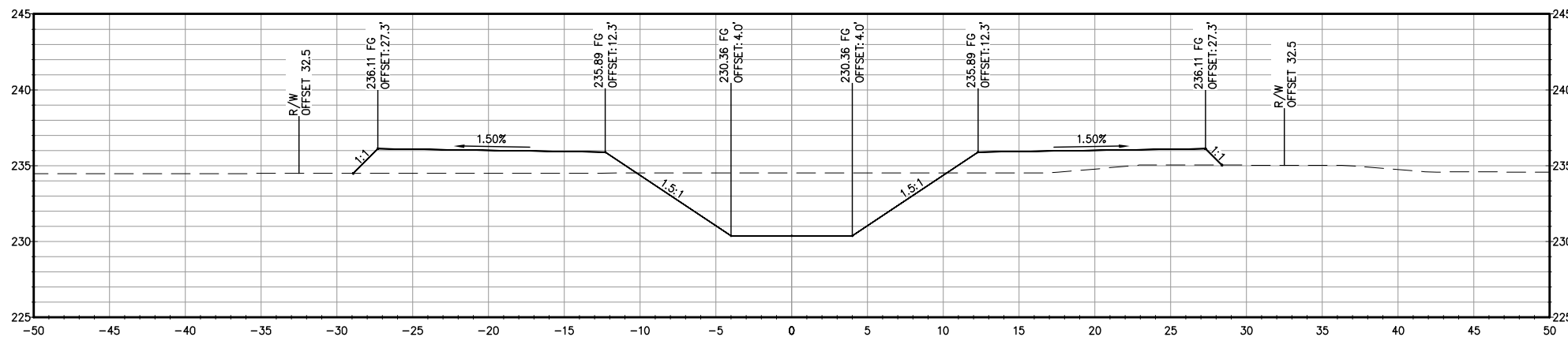
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SHEET 55 OF 86

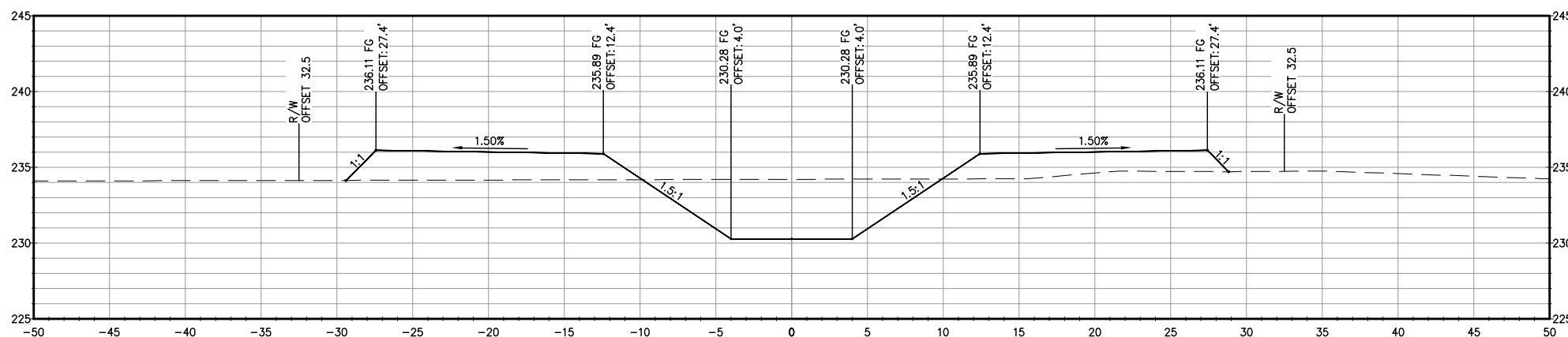


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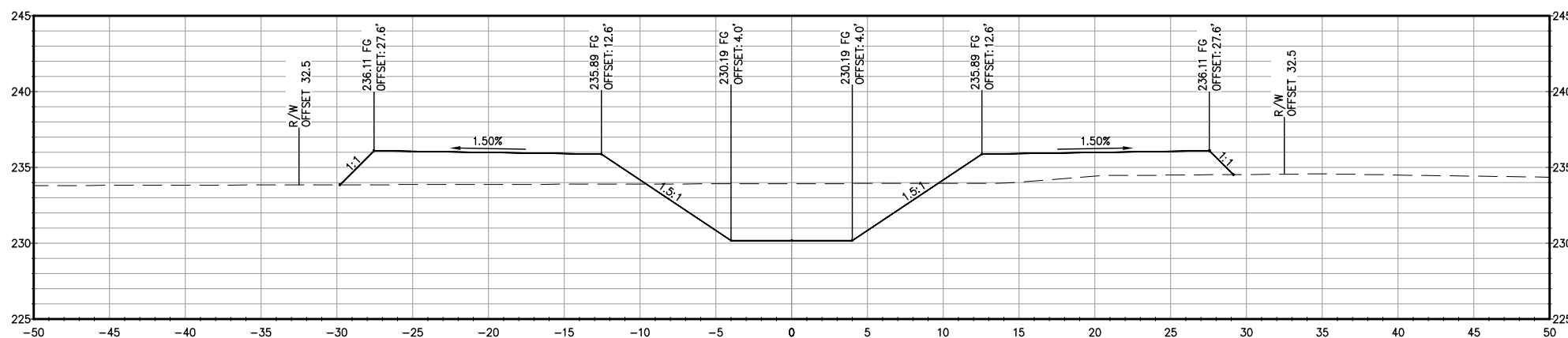
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STA 79+50

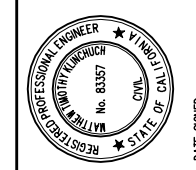


LAT 4 CANAL  
STA 82+00



LAT 4 CANAL  
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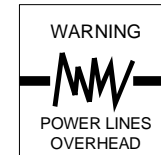
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LAT 4 SECTIONS  
STA 79+50 - 84+50

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DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002

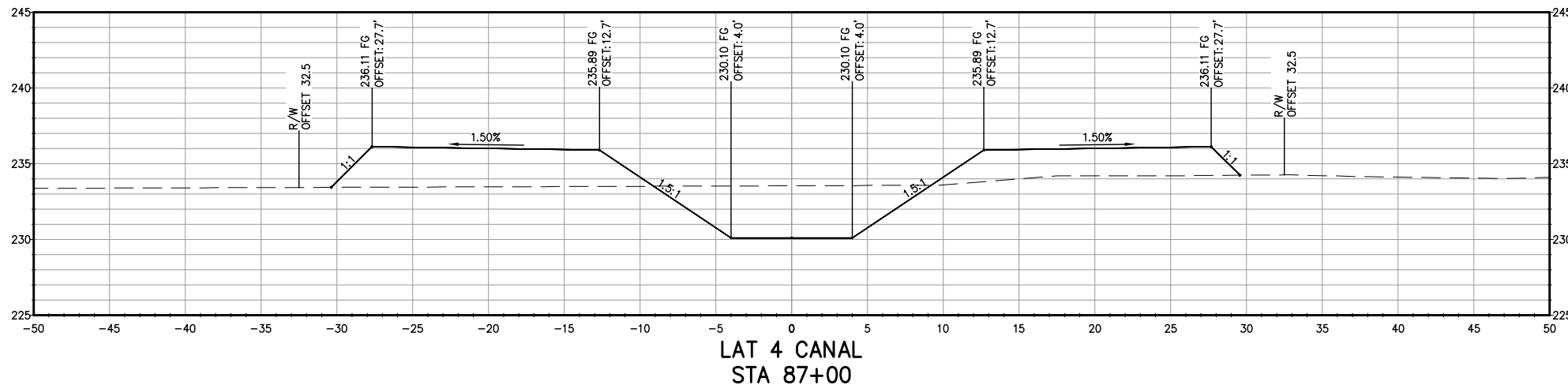
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SHEET 56 OF 86

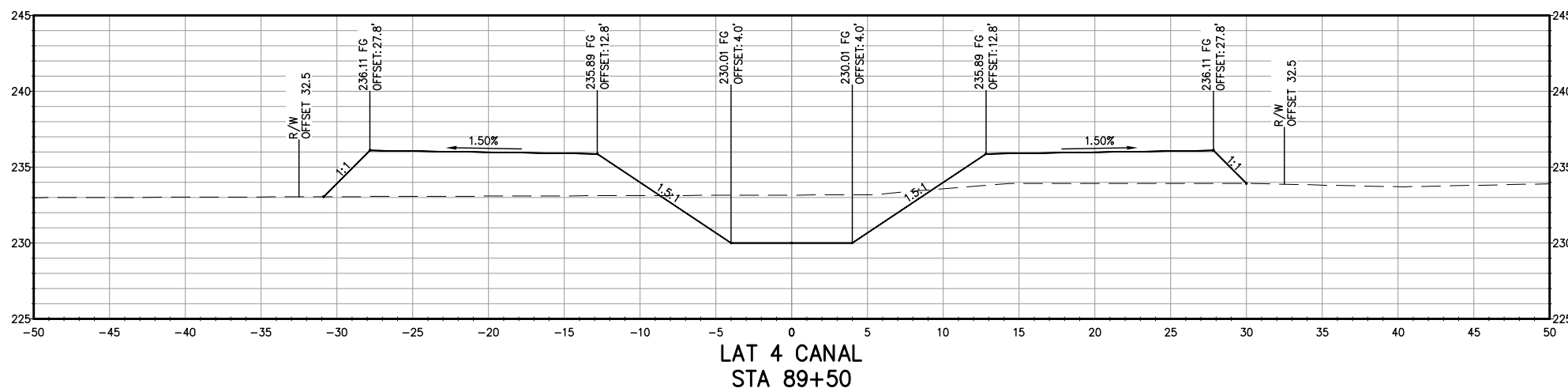


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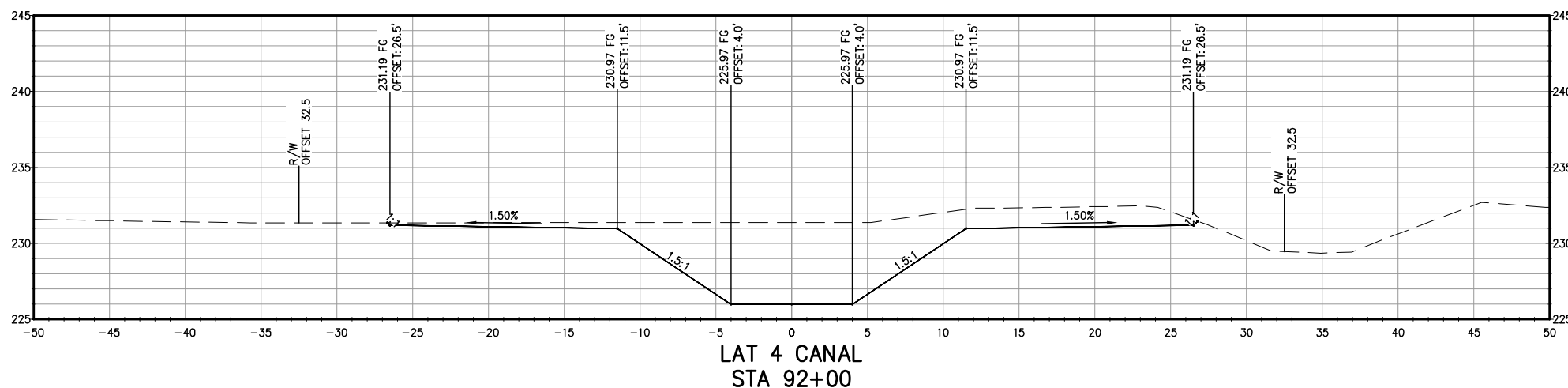
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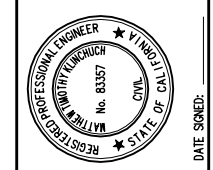


LAT 4 CANAL  
STA 89+50



LAT 4 CANAL  
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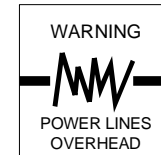


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TULARE COUNTY  
LAT 4 SECTIONS  
STA 87+00 - 92+00

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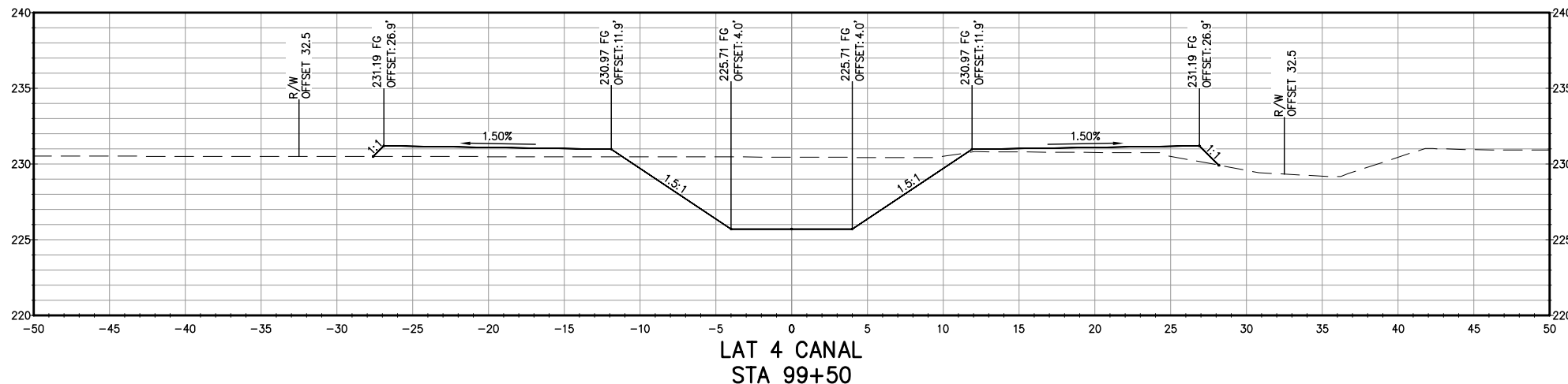
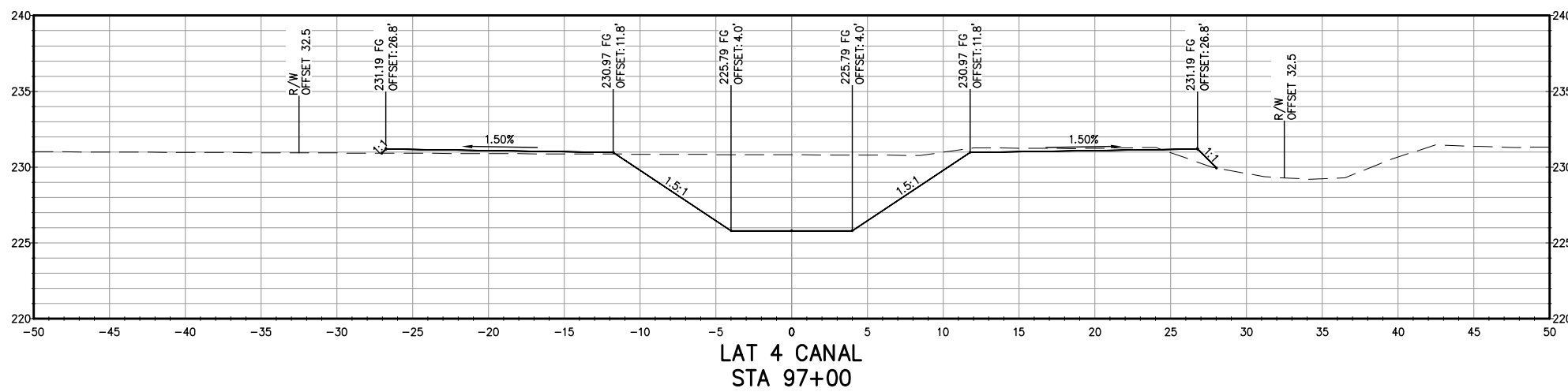
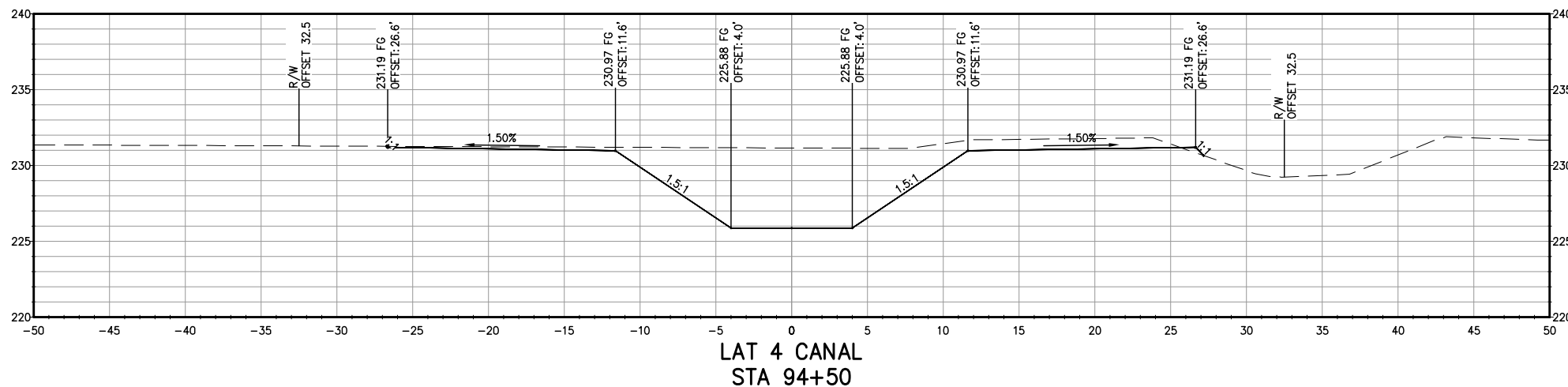
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MATT KLINCHUCH  
LICENSE NO:  
83357  
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DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002

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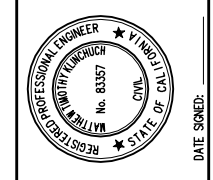


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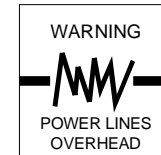
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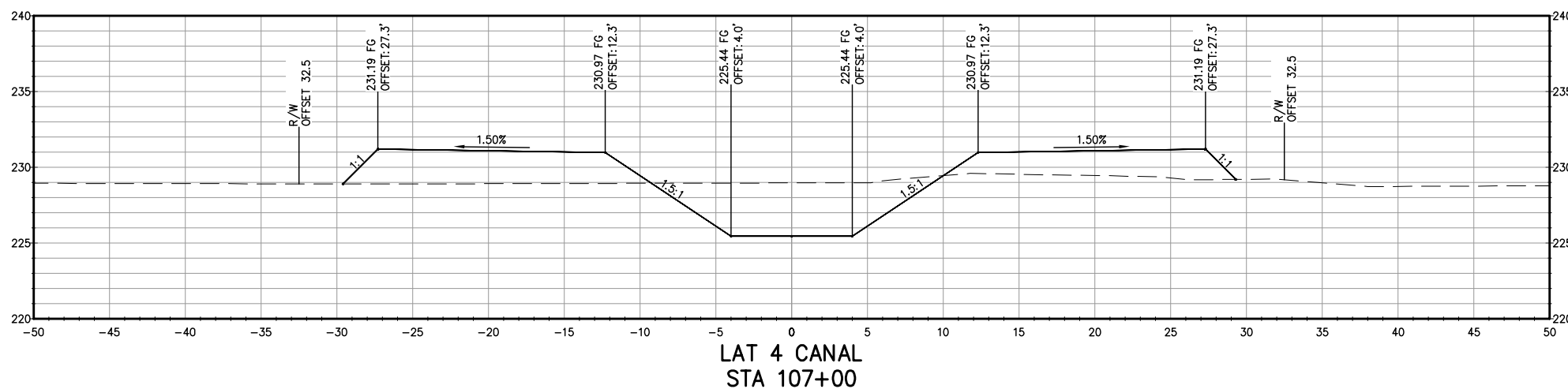
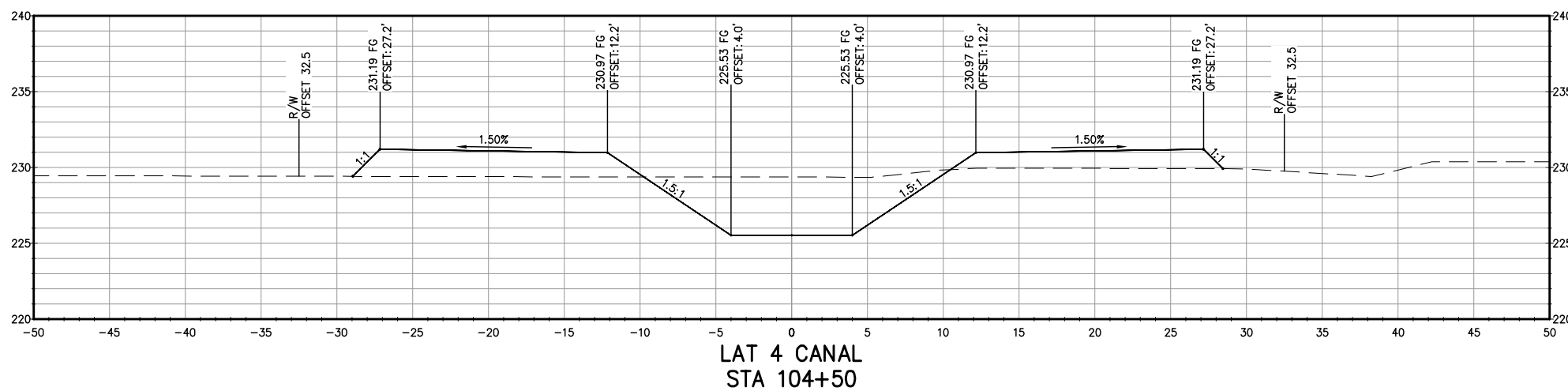
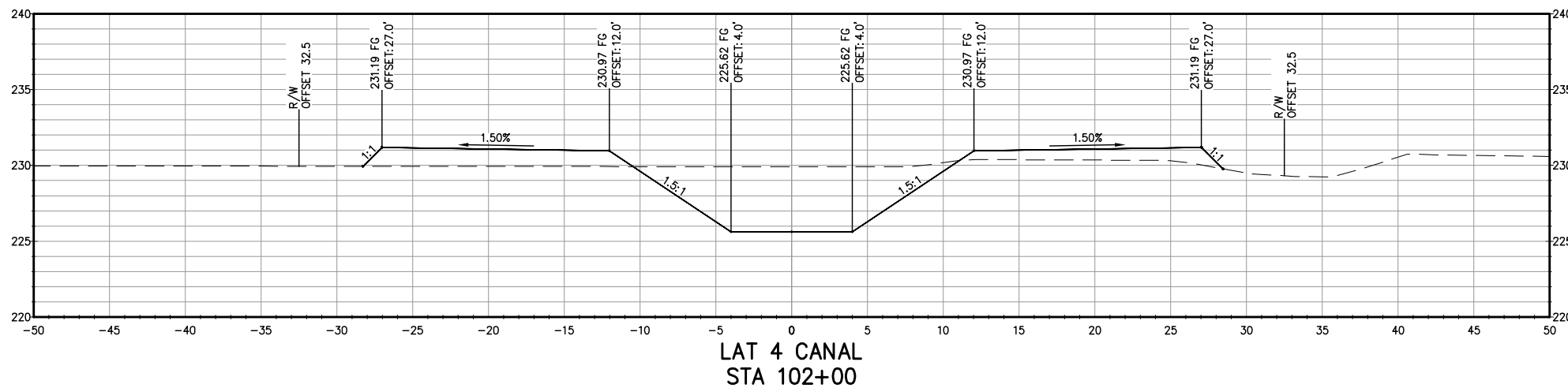
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SHEET 58 OF 86

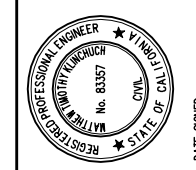


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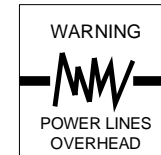
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PROJECT NO: 315920002

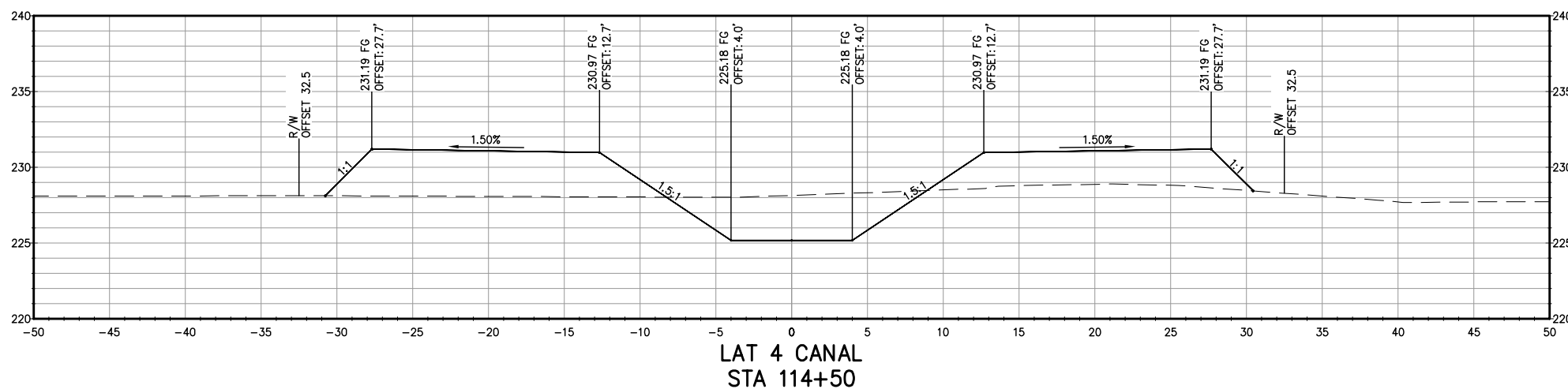
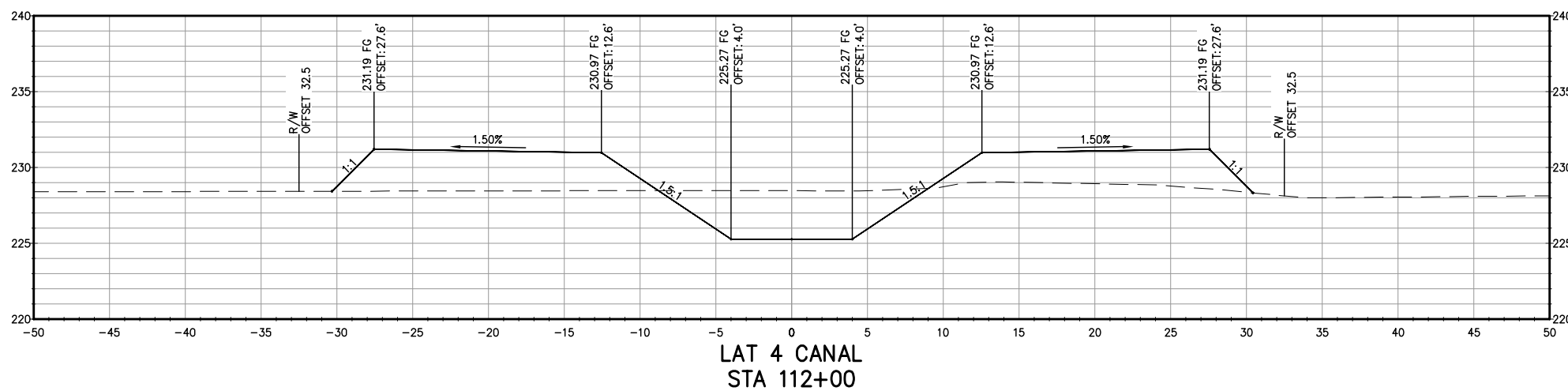
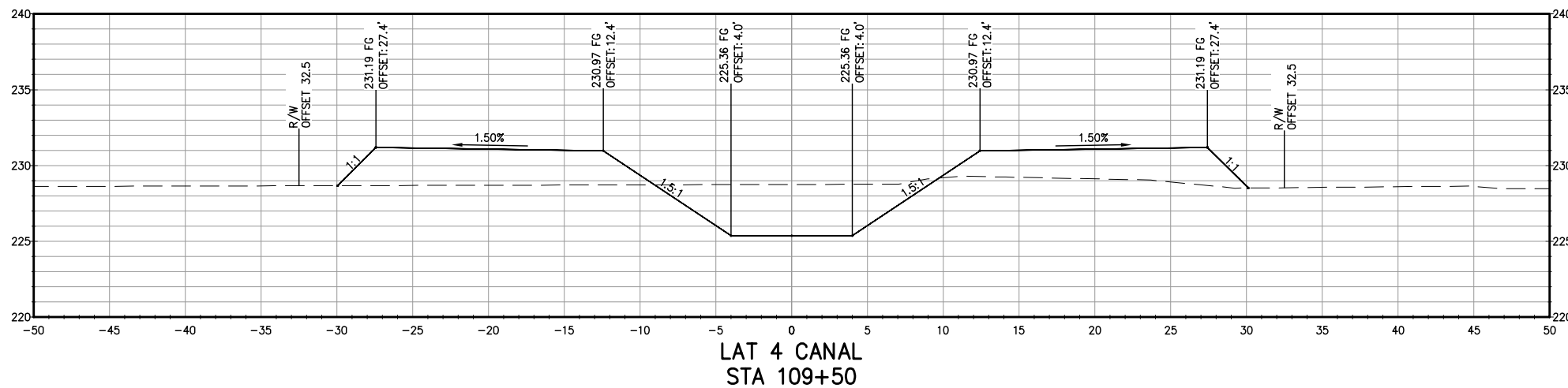
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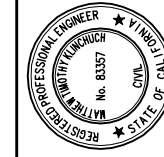


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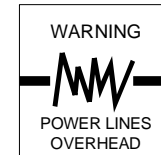
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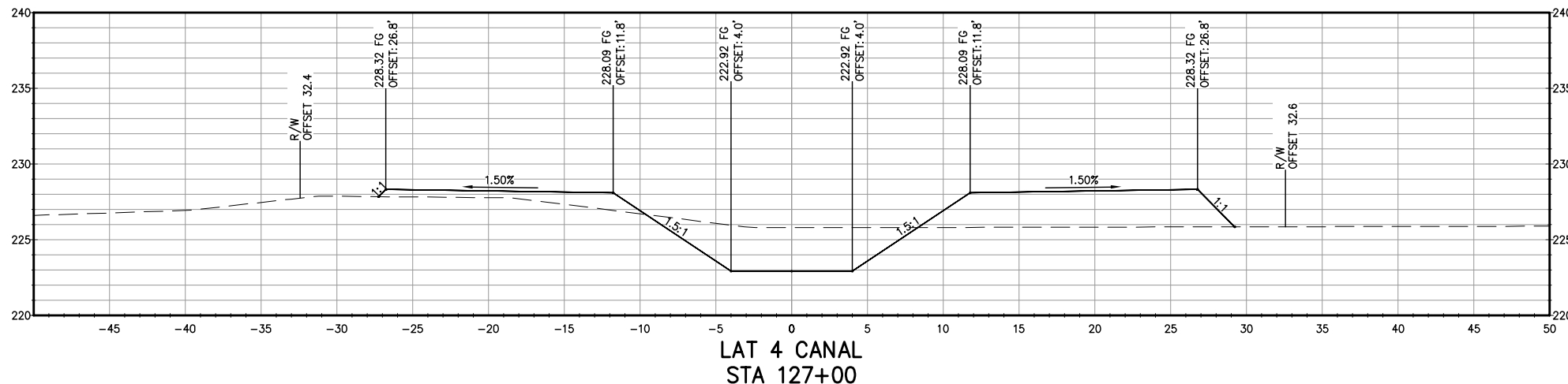
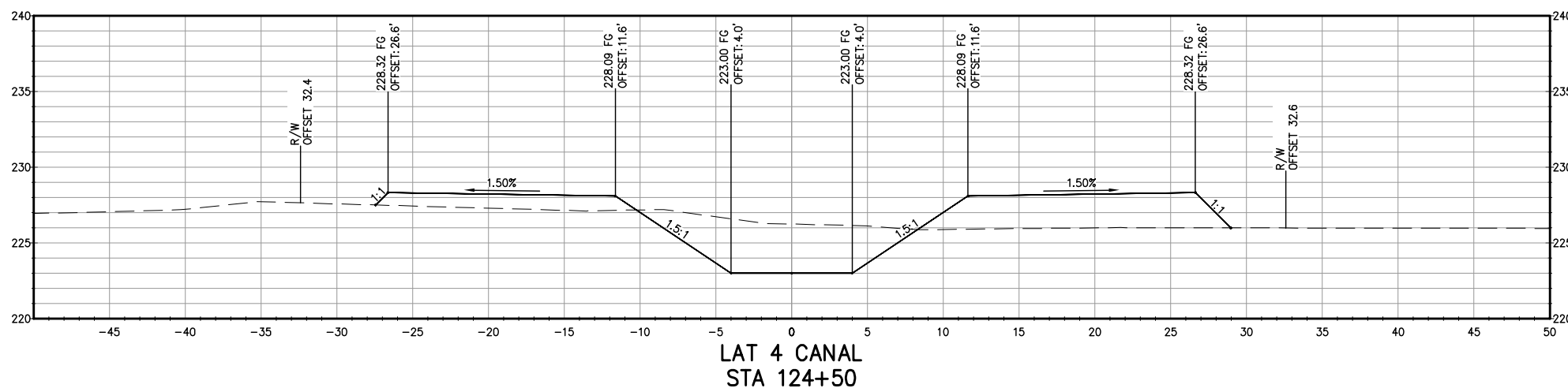
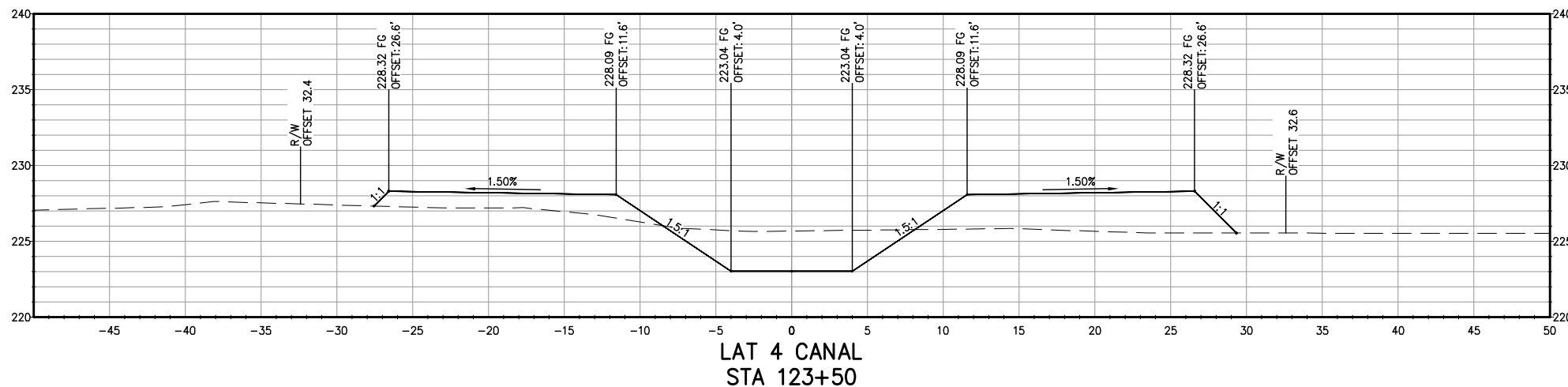
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60 OF 86

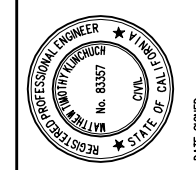


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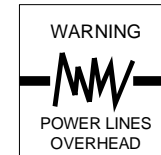
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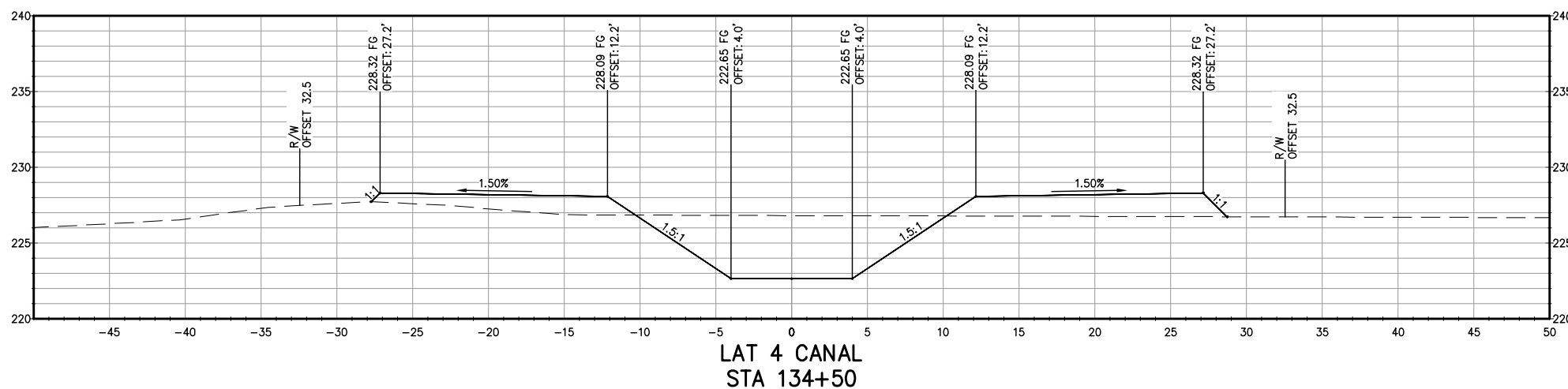
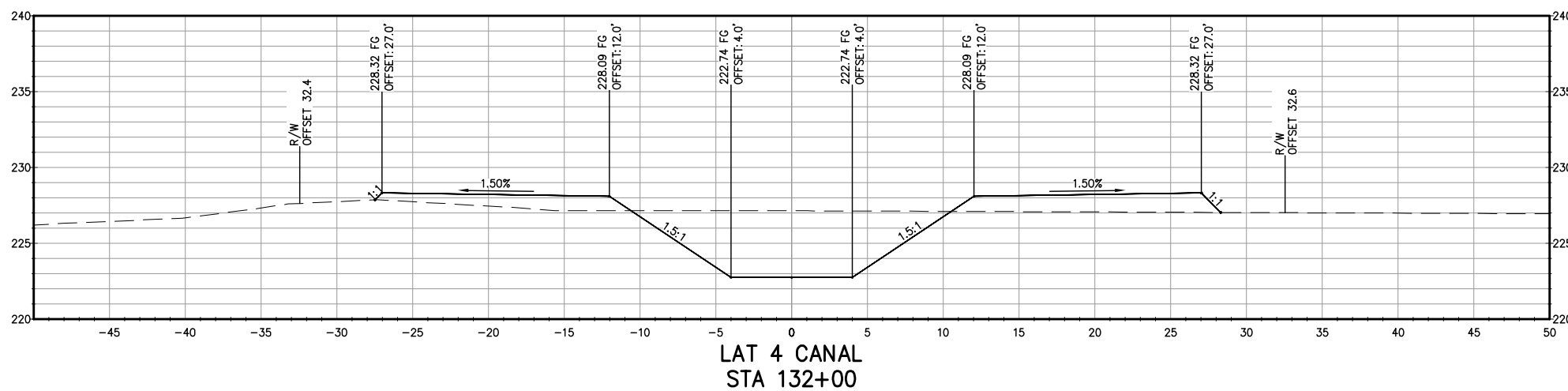
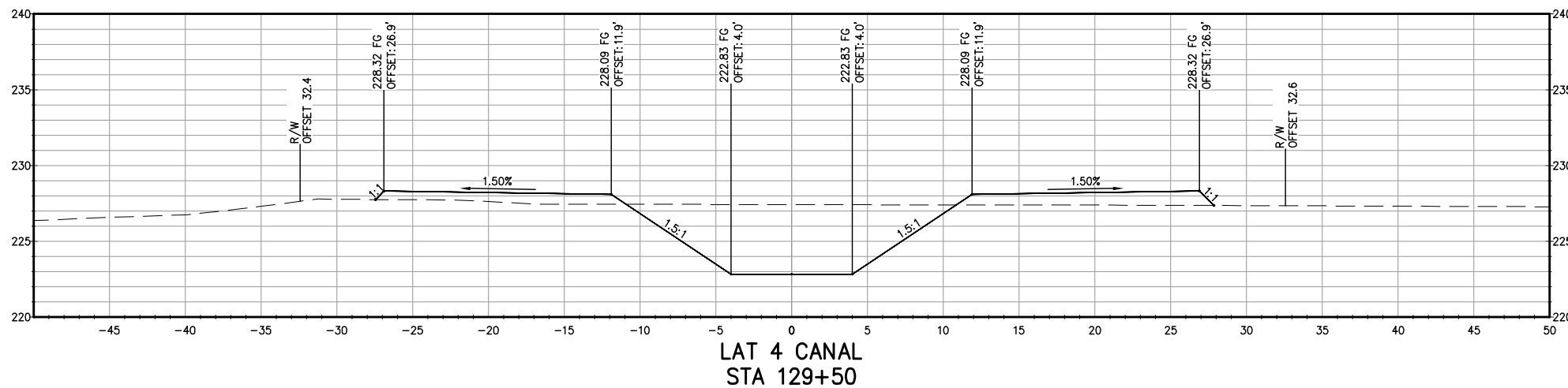
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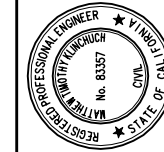


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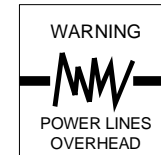
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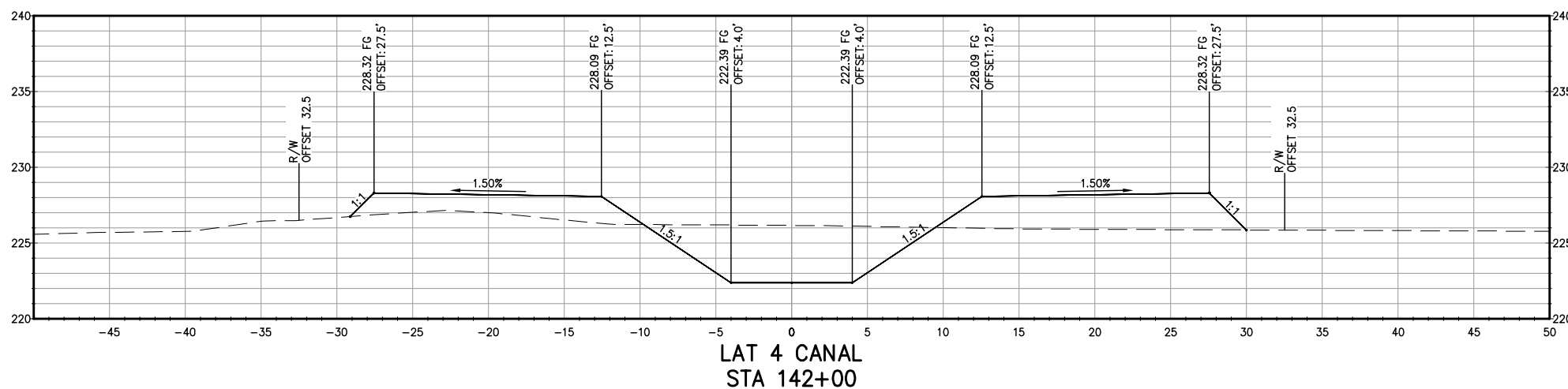
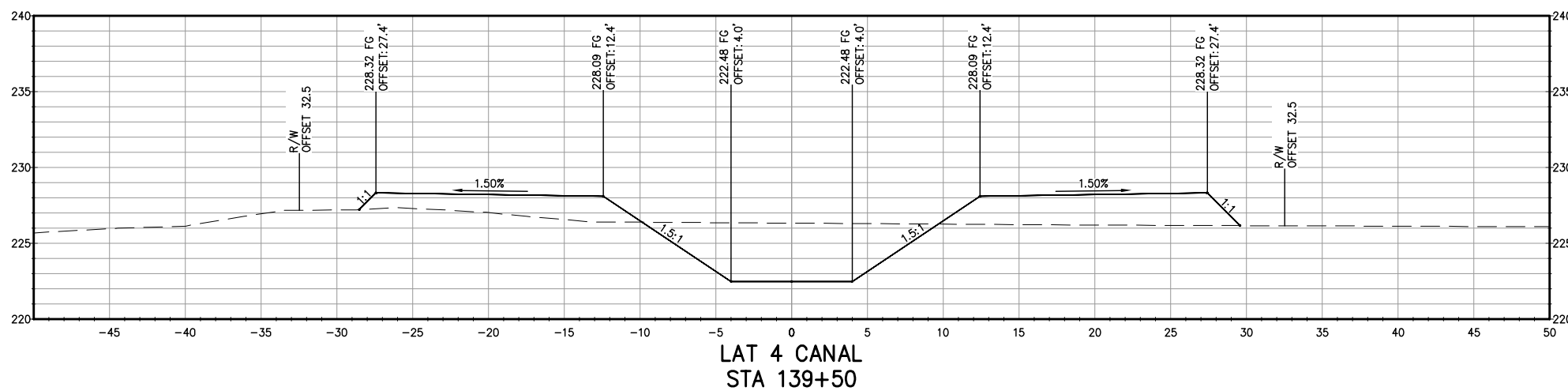
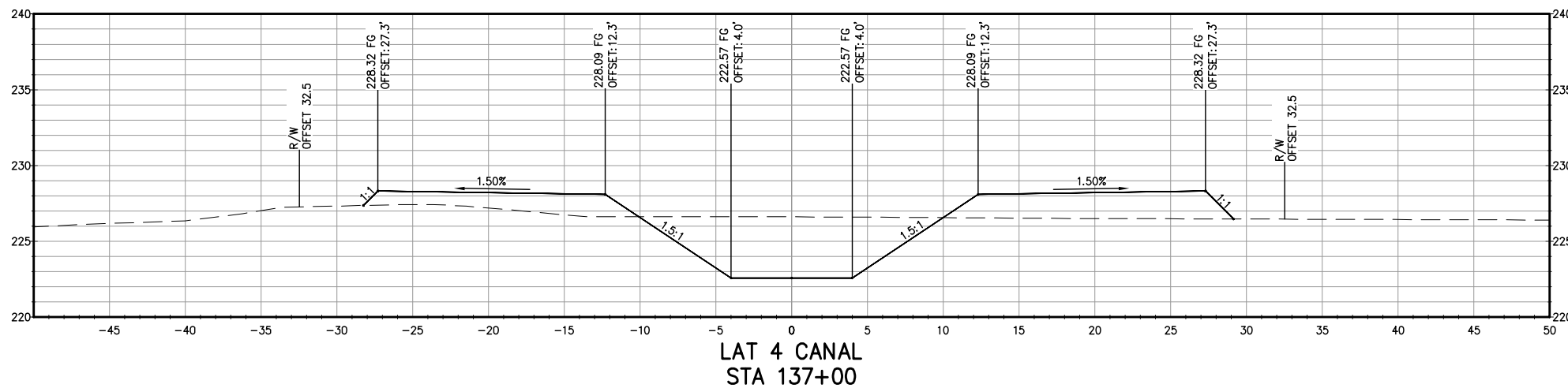
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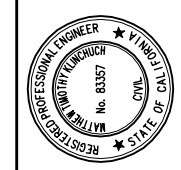


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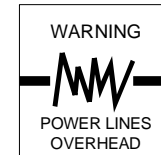
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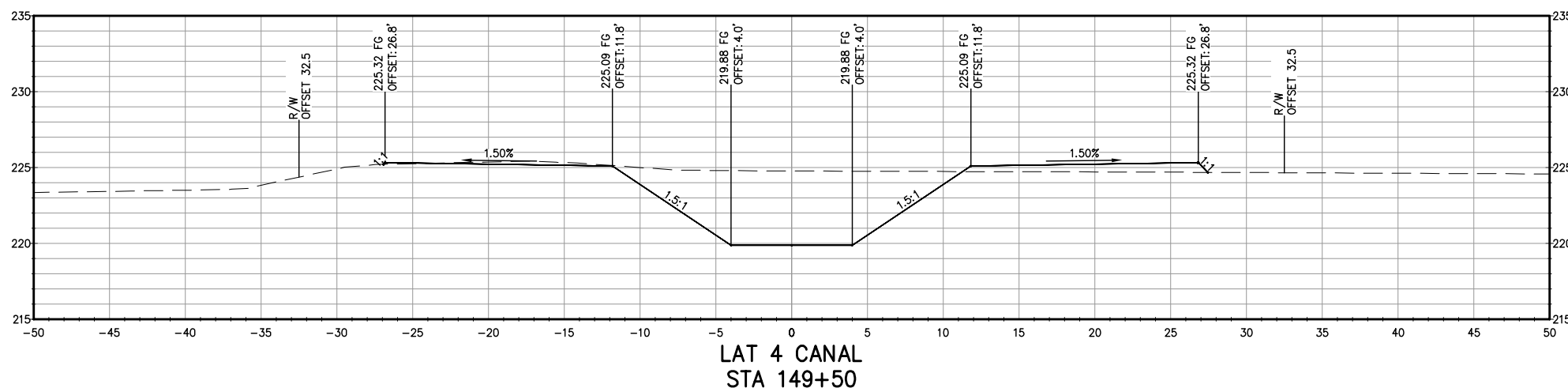
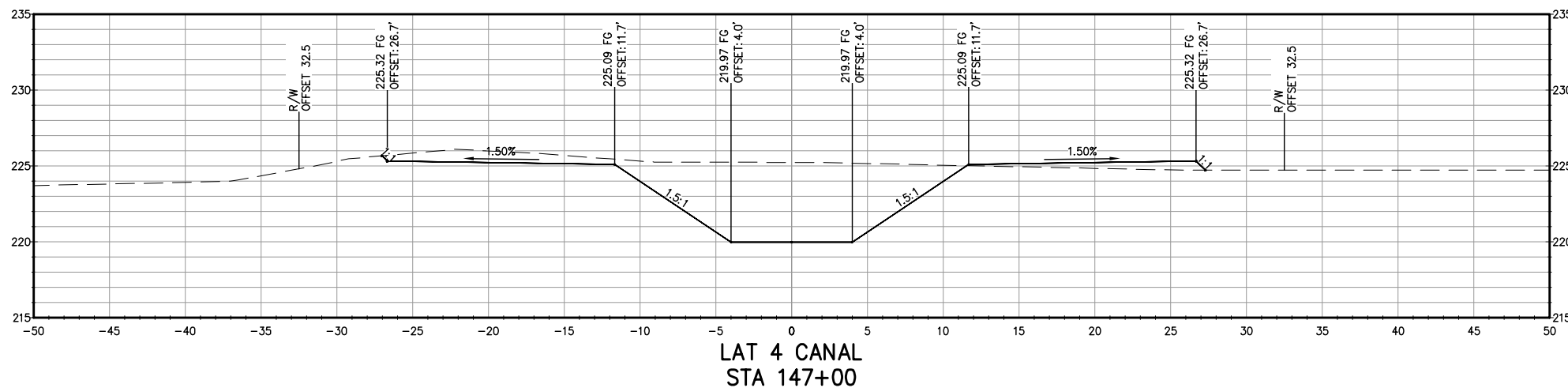
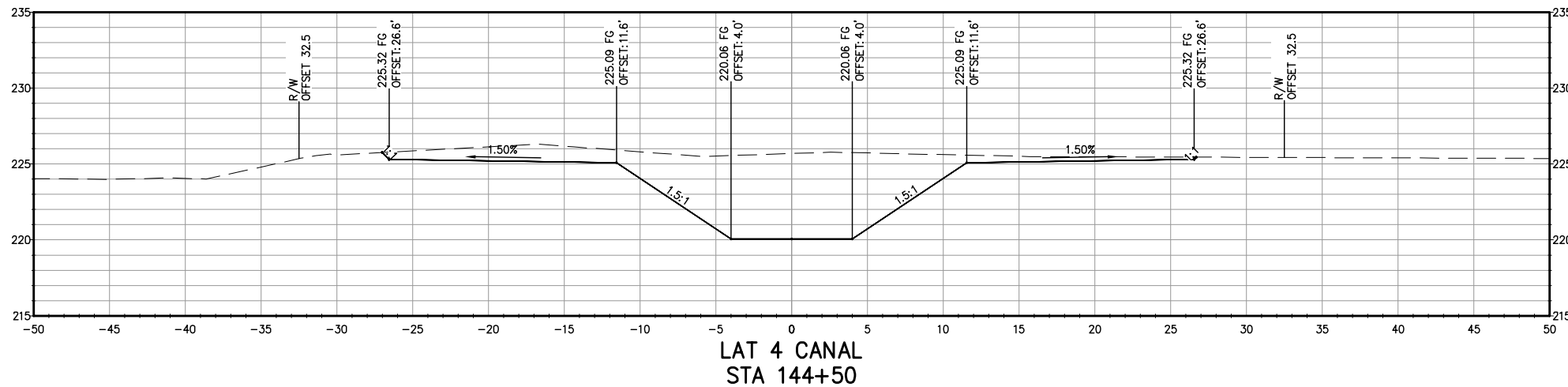
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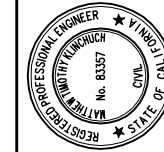
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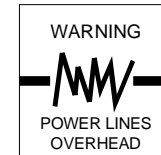
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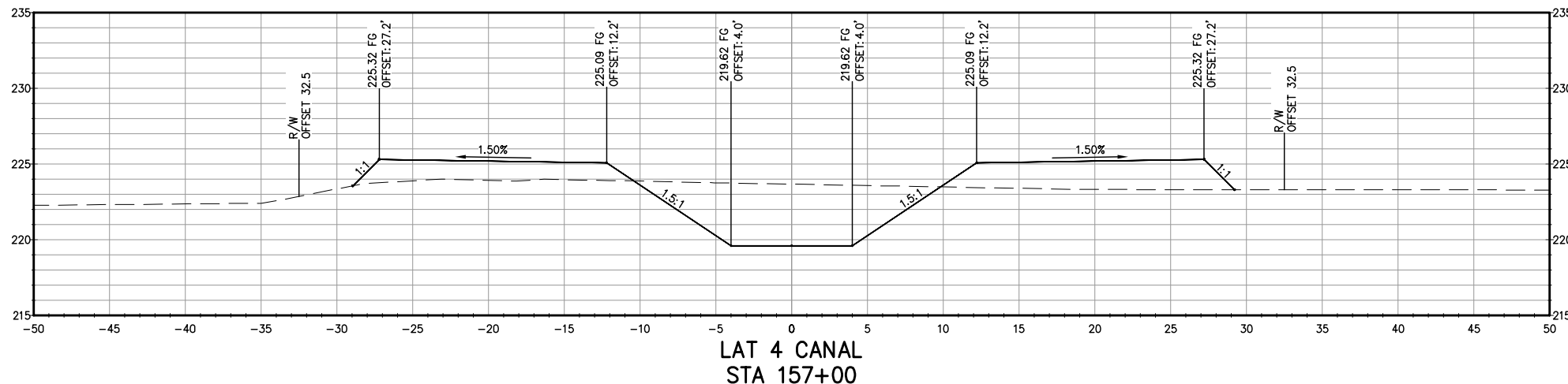
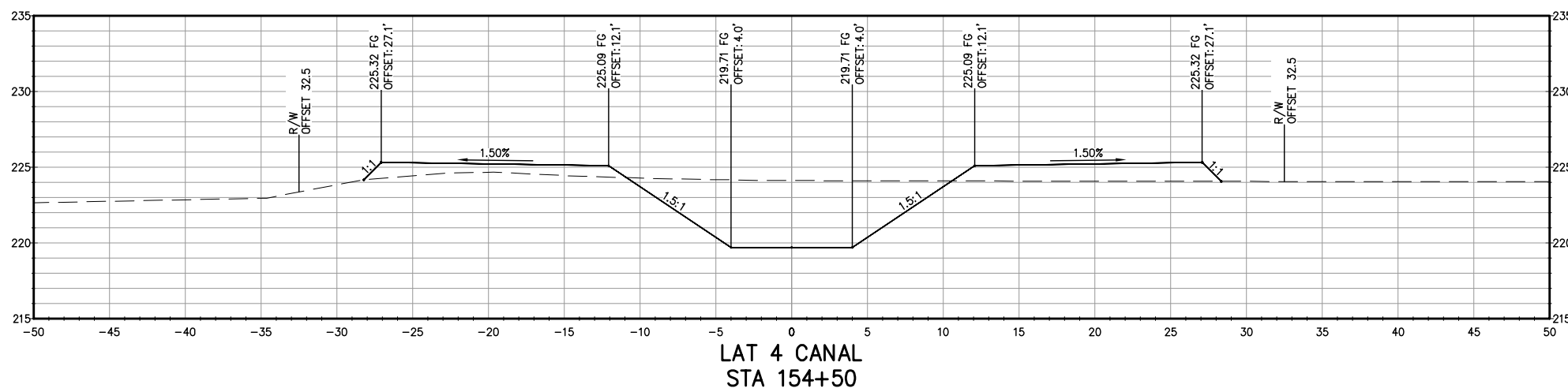
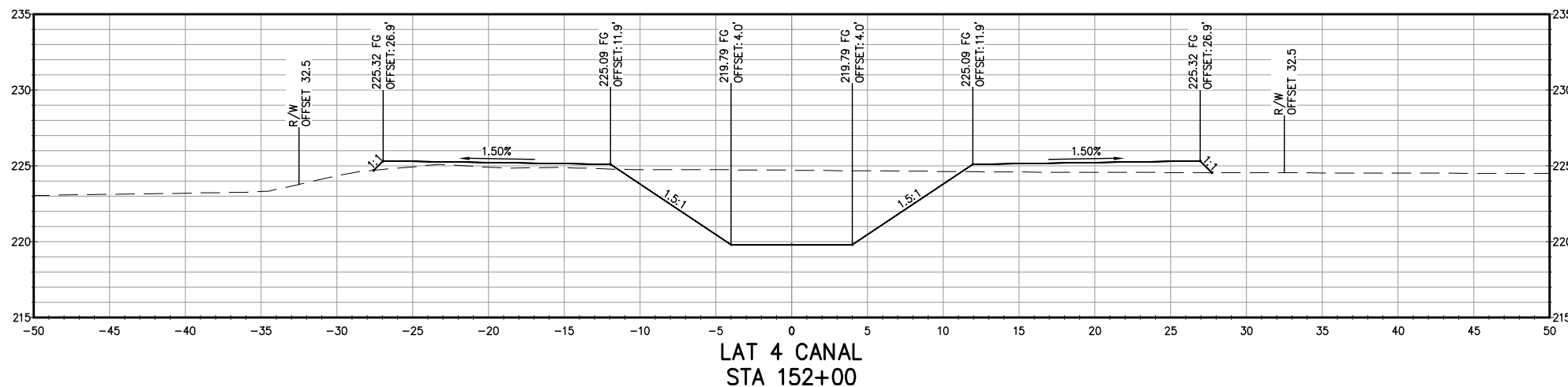
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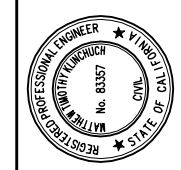


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STA 152+00 - 157+00

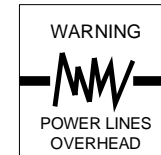
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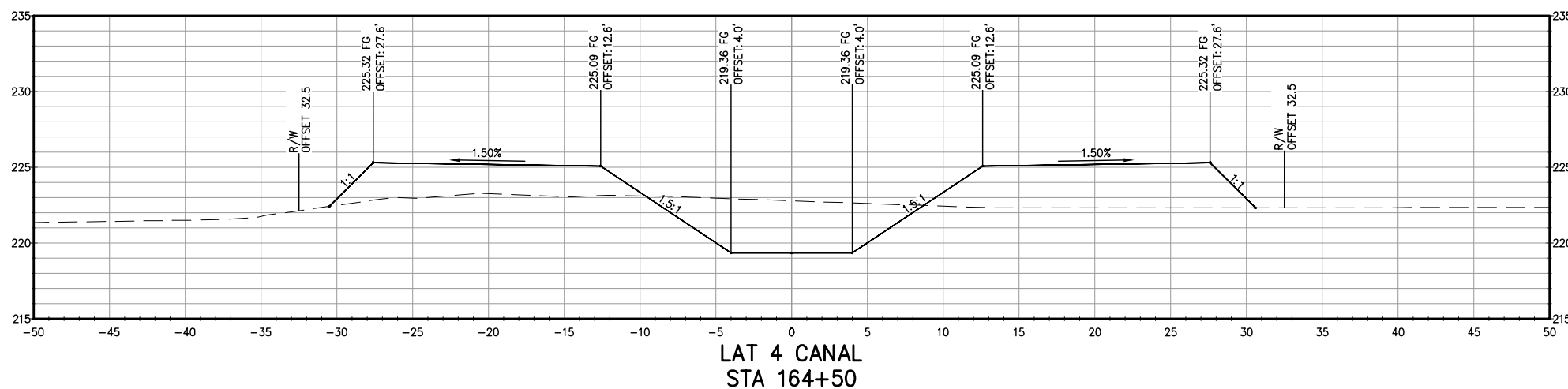
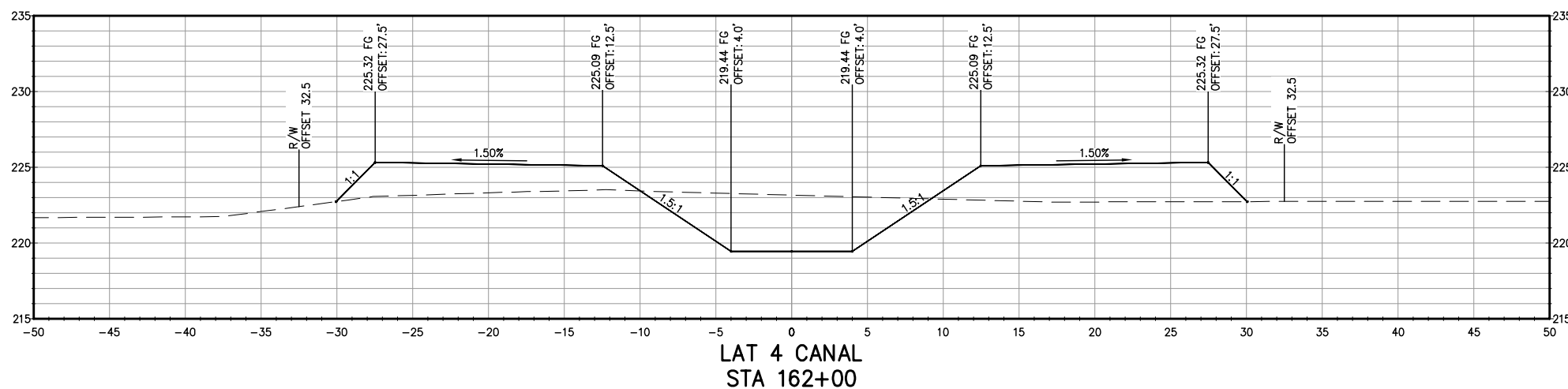
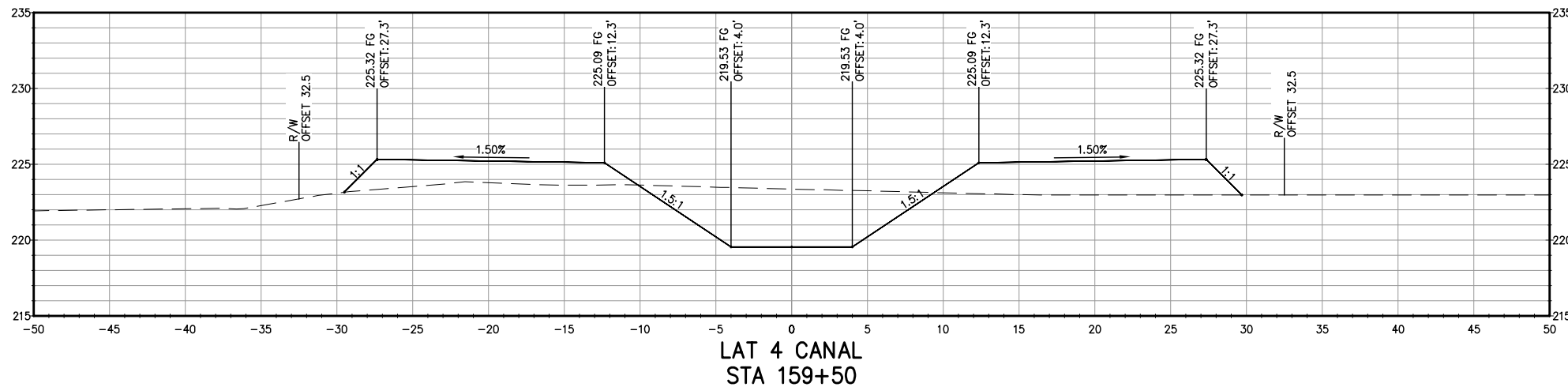
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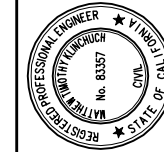


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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SECTIONS

STA 159+50 - 164+50

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www.ppgeng.com

DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357

DRAFTED BY: CBC  
CHECKED BY: MTK

DATE: 01/26/2022

JOB NO: 315920002

PROJECT NO: 315920002

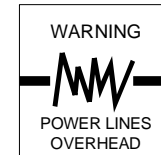
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ORIGINAL SCALE SHOWN IS  
ONE INCH. ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

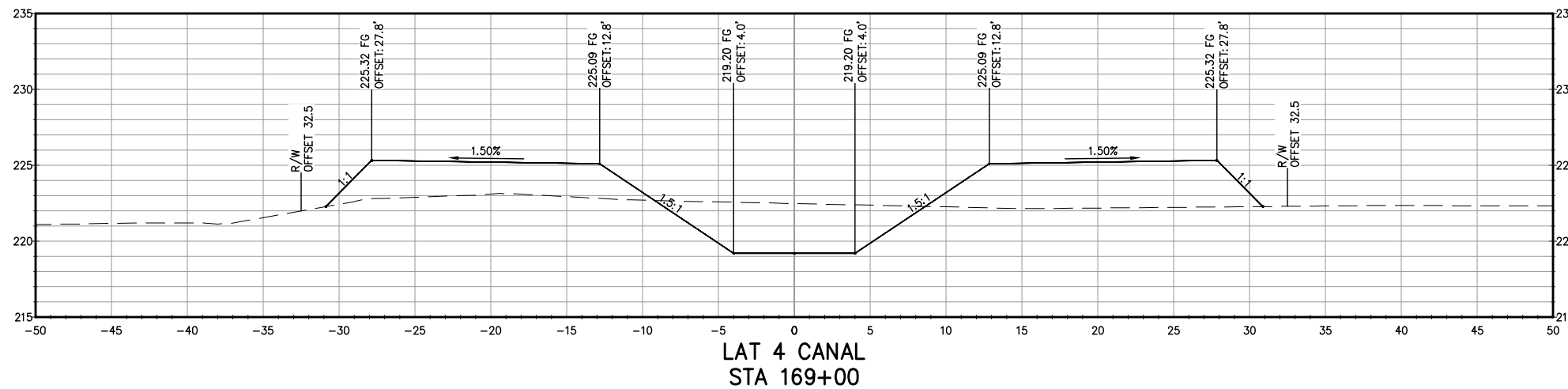
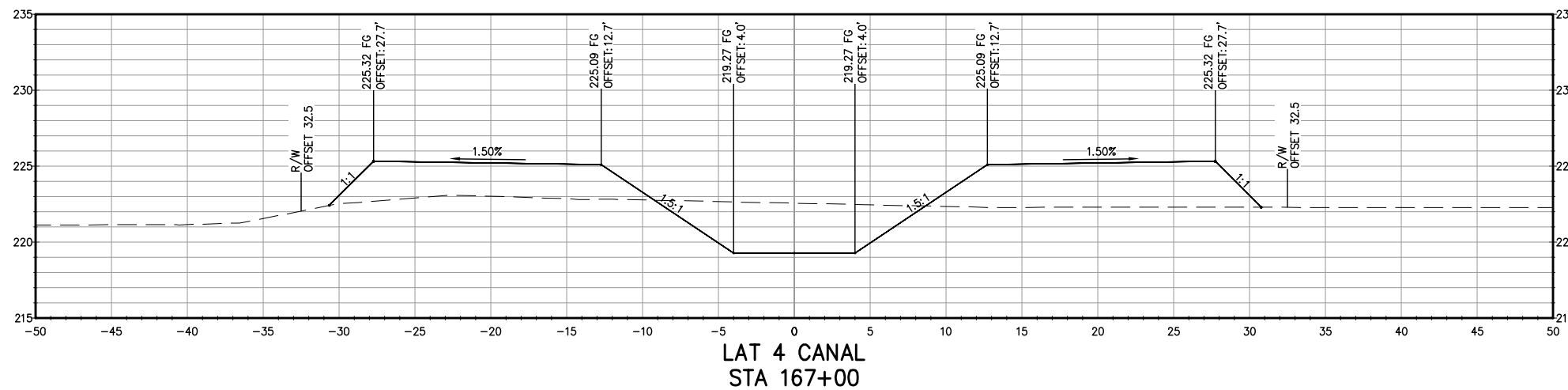
SHEET **66**

66 OF 86

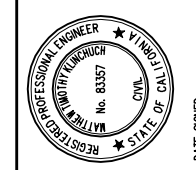
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1/26/2022



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SECTIONS  
STA 167+00 - 169+00

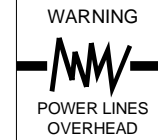
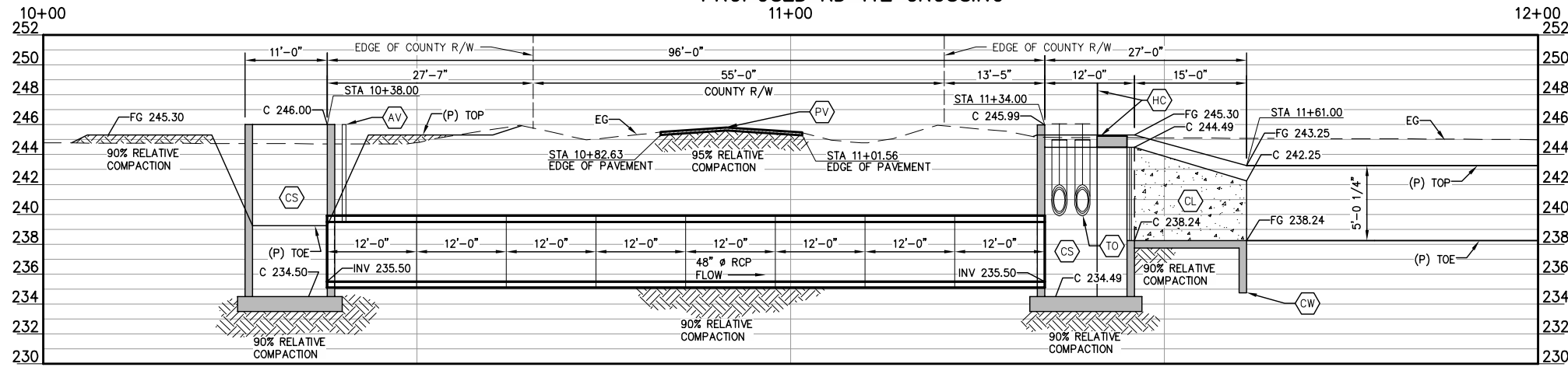
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CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002

PHASE: DES  
0 1"  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **67**  
67 OF 86

PROPOSED RD 112 CROSSING  
11+00

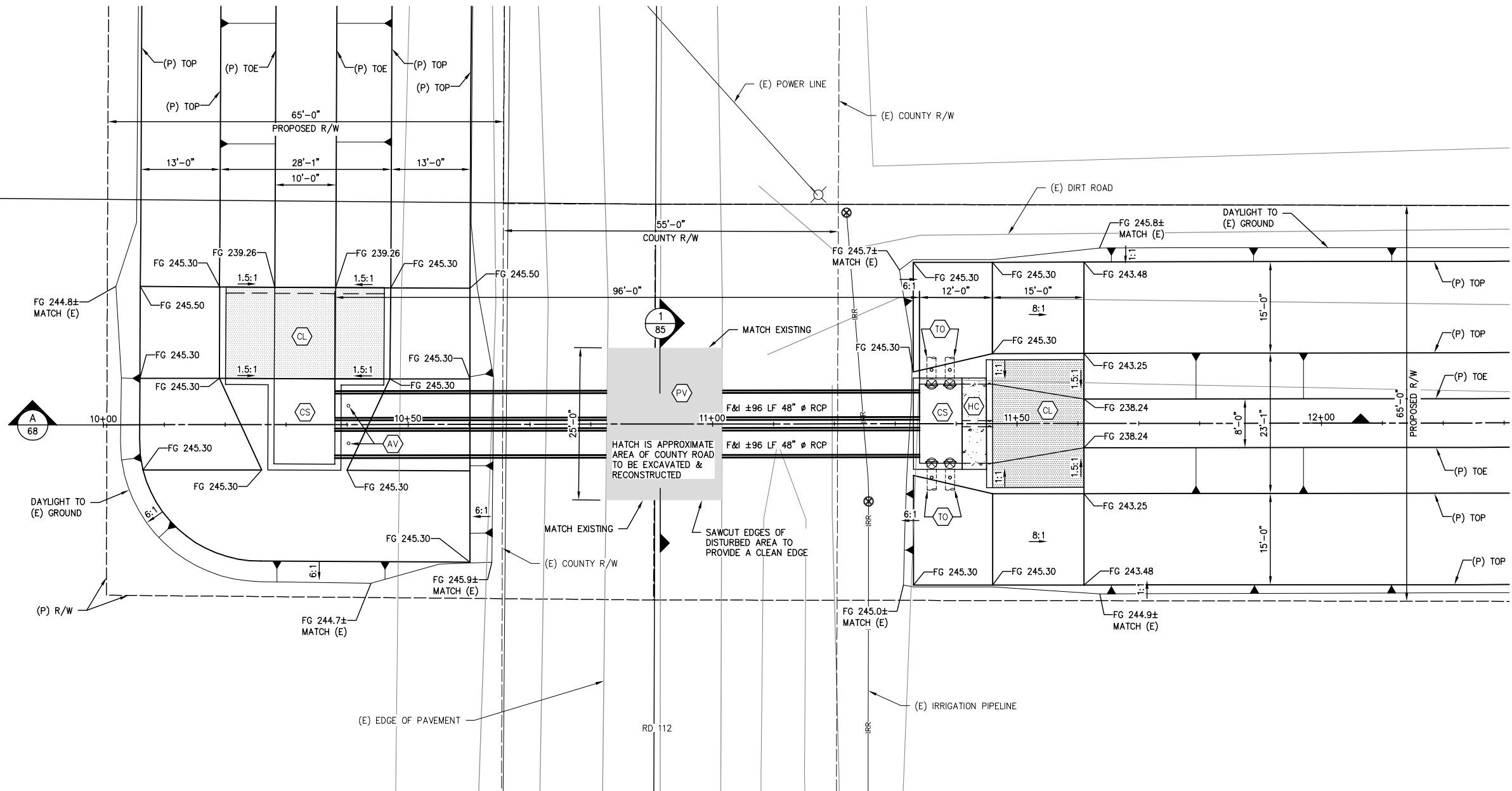


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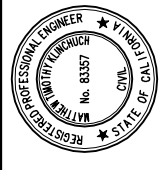
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CONSTRUCTION LEGEND

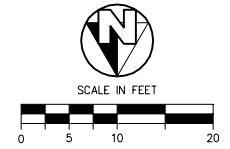
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- CL CONCRETE CANAL LINING
- CW CONCRETE CUTOFF WALL
- AV CONCRETE PIPE AIR VENT
- HC HANDRAIL AND CATWALK
- TO TURNOUT
- PV ASPHALT PAVEMENT (3" AC OVER 6" CLII AB) PER COUNTY STANDARD



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SITE PLANS  
ROAD 112 CROSSING

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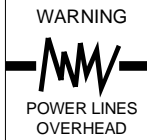
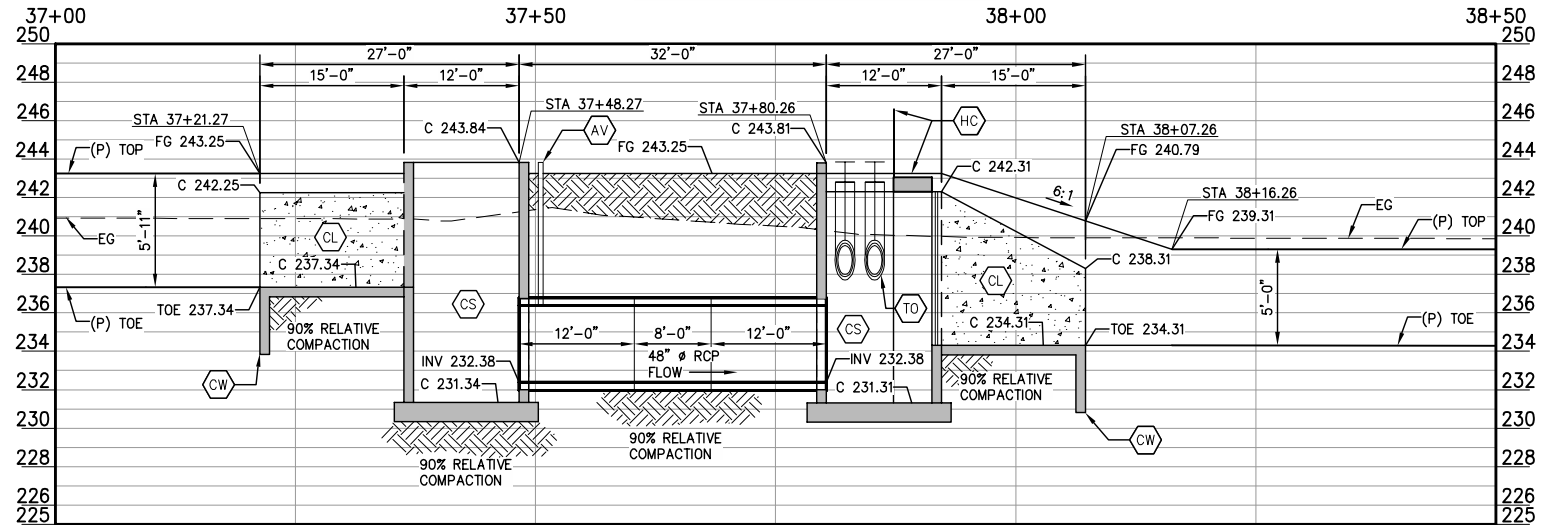
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DRAFTED BY: CBC	DATE: 01/26/2022
JOB NO: 315920002	PROJECT NO: 315920002
PHASE: DES	SCALE: 1" = 10'
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.	



PLN  
68

ROAD 112 CROSSING SITE PLAN

RD 108 CROSSING PROFILE

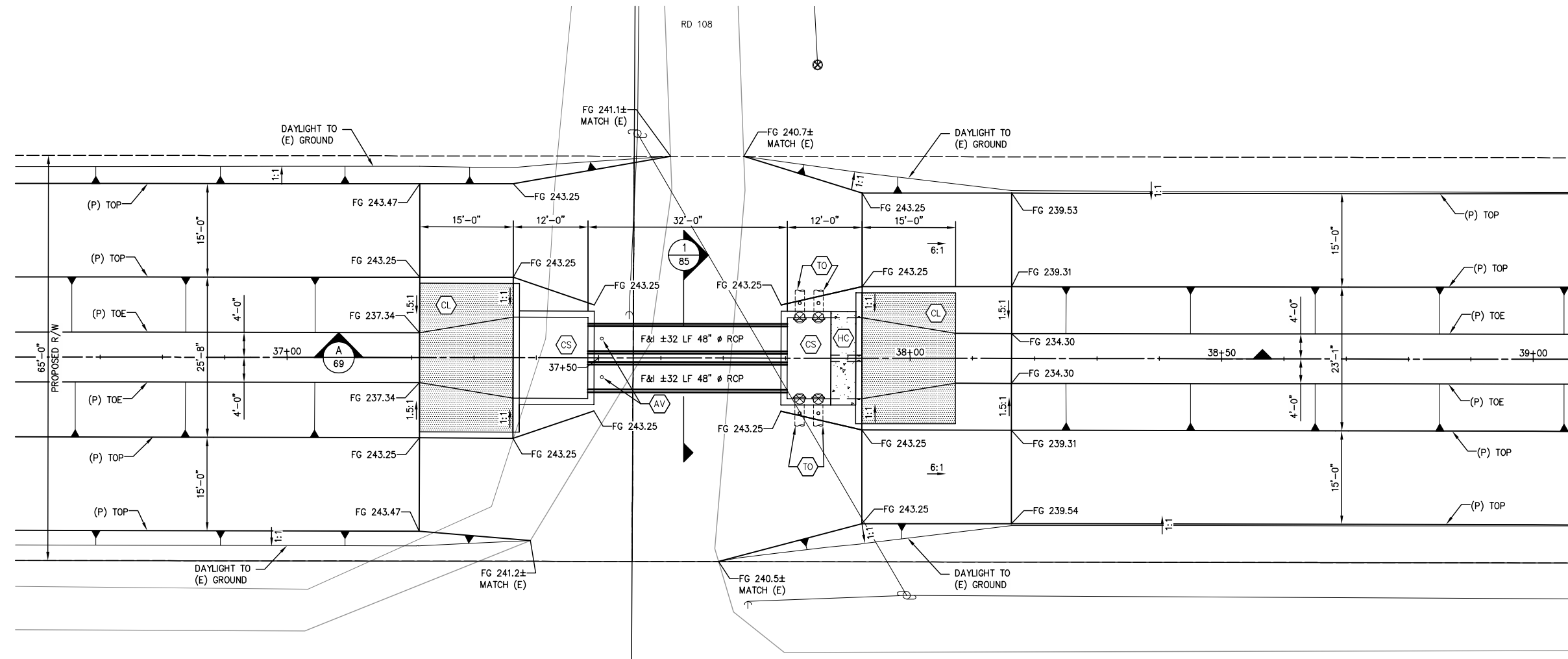


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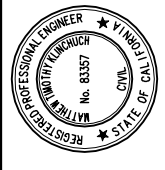
No.	REVISION	BY	DATE



CONSTRUCTION LEGEND

- CS CONCRETE STRUCTURE
- CL CONCRETE CANAL LINING
- CW CONCRETE CUTOFF WALL
- AV CONCRETE PIPE AIR VENT
- HC HANDRAIL AND CATWALK
- TO TURNOUT

- 1 78
- 7 84
- 3 84
- 5 84
- 8 84
- 4 84



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SITE PLANS  
ROAD 108 CROSSING

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DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357

DRAFTED BY: CBC CHECKED BY: MTK

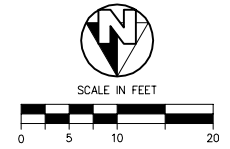
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JOB NO: 315920002

PROJECT NO: 315920002

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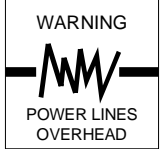
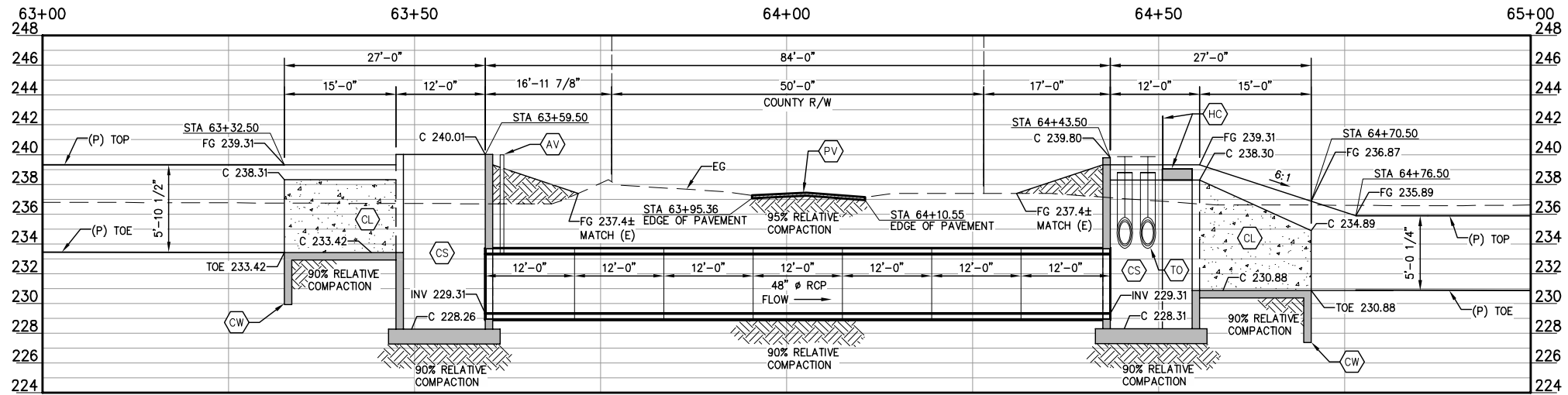
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.



PLN  
69

ROAD 108 CROSSING SITE PLAN

# ROAD 104 CROSSING PROFILE

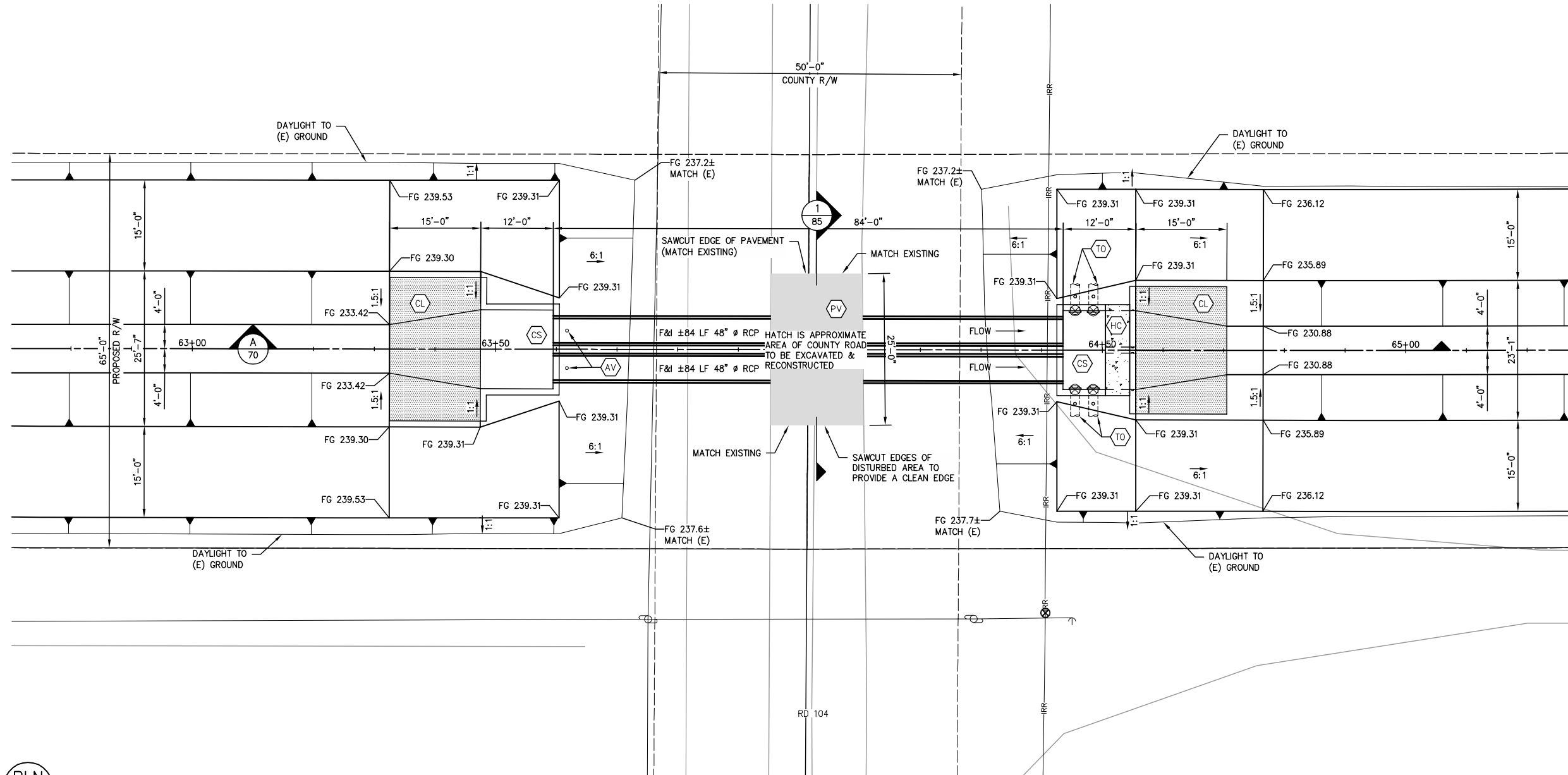


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70

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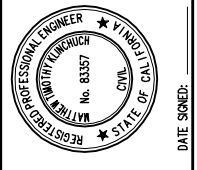
No.	REVISION	BY	DATE



### CONSTRUCTION LEGEND

- CS CONCRETE STRUCTURE
- CL CONCRETE CANAL LINING
- CW CONCRETE CUTOFF WALL
- AV CONCRETE PIPE AIR VENT
- HC HANDRAIL AND CATWALK
- TO TURNOUT
- PV ASPHALT PAVEMENT (3" AC OVER 6" CLII AB) PER COUNTY STANDARD

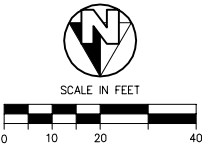
- 1 78
- 7 84
- 3 84
- 5 84
- 8 84
- 4 84



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SITE PLANS  
ROAD 104 CROSSING

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DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
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DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES  
ORIGINAL SCALE SHOWN IS ONE INCH, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET 70 OF 86

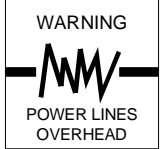
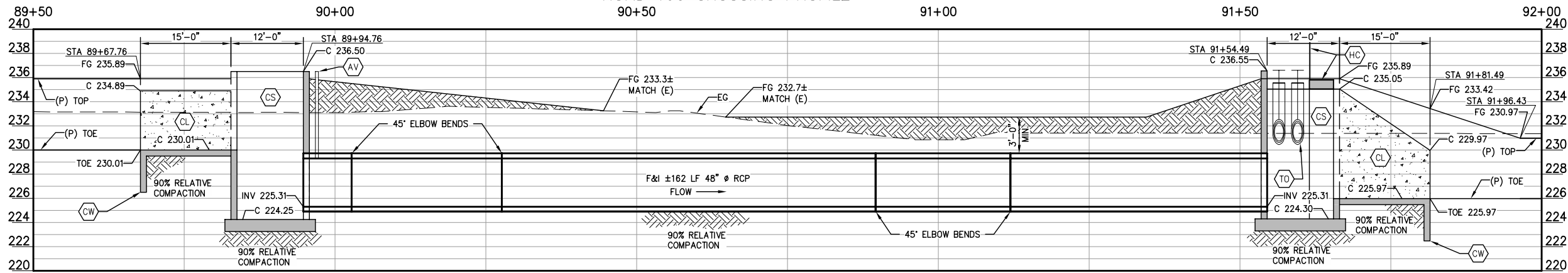


PLN  
70

# ROAD 104 CROSSING SITE PLAN



# ROAD 100 CROSSING PROFILE

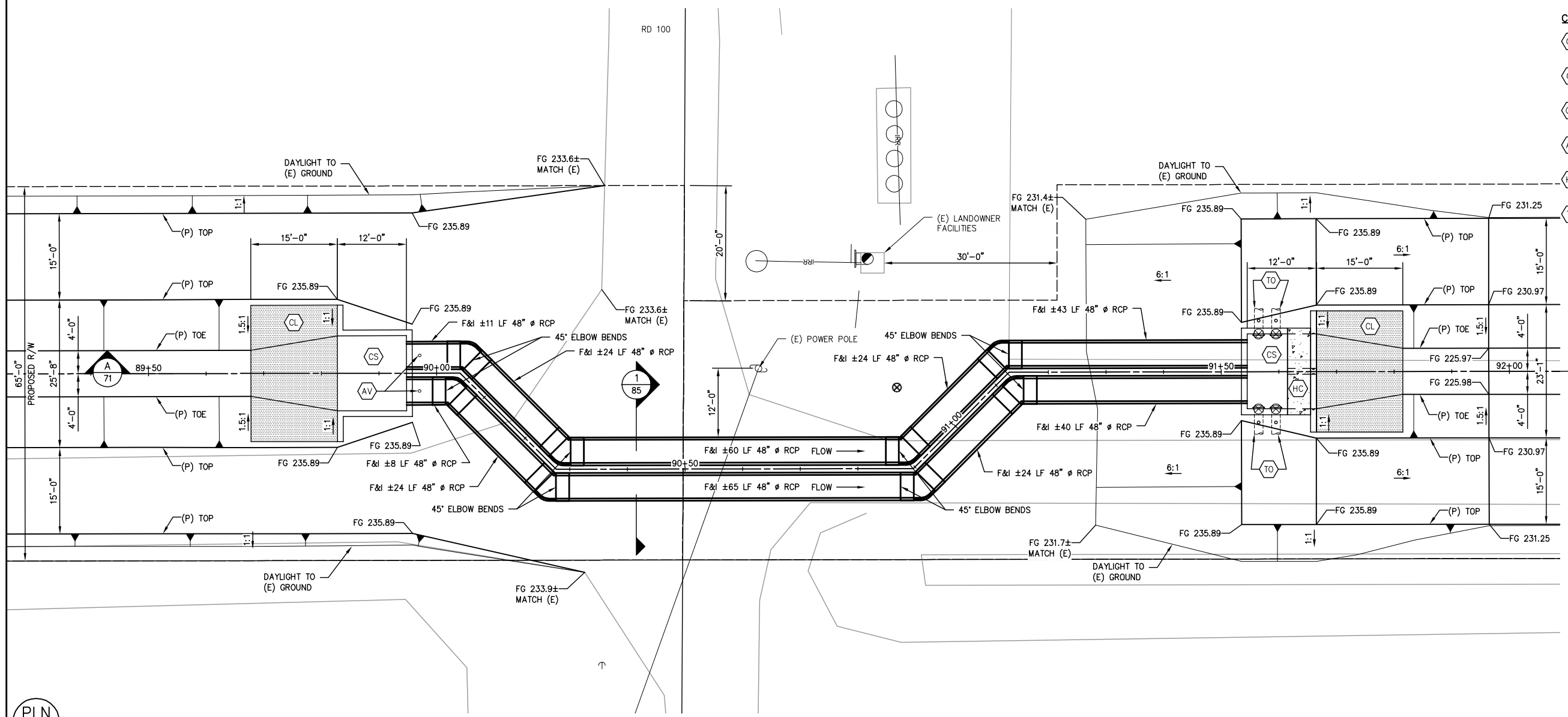


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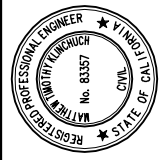
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1/26/2022

No.	REVISION	BY	DATE



- CONSTRUCTION LEGEND**
- CS CONCRETE STRUCTURE
  - CL CONCRETE CANAL LINING
  - CW CONCRETE CUTOFF WALL
  - AV CONCRETE PIPE AIR VENT
  - HC HANDRAIL AND CATWALK
  - TO TURNOUT

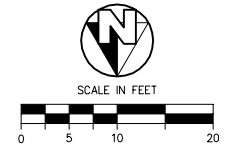
- 1 78
- 7 84
- 3 84
- 5 84
- 8 84
- 4 84



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SITE PLANS  
ROAD 100 CROSSING

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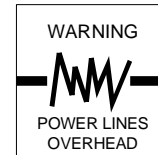
DESIGN ENGINEER: MATT KLINCHUCH  
LICENSE NO: 83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
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SHEET **71**



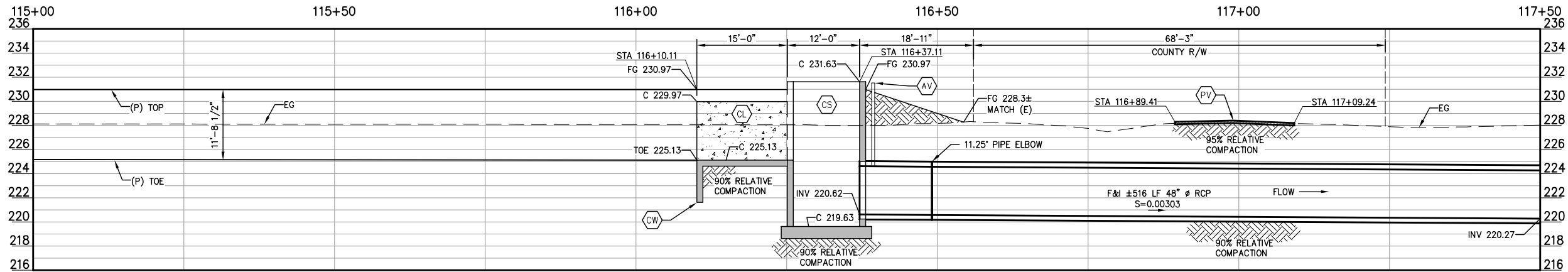
PLN  
71

# ROAD 100 CROSSING SITE PLAN





UPSTREAM ROAD 96 CROSSING PROFILE

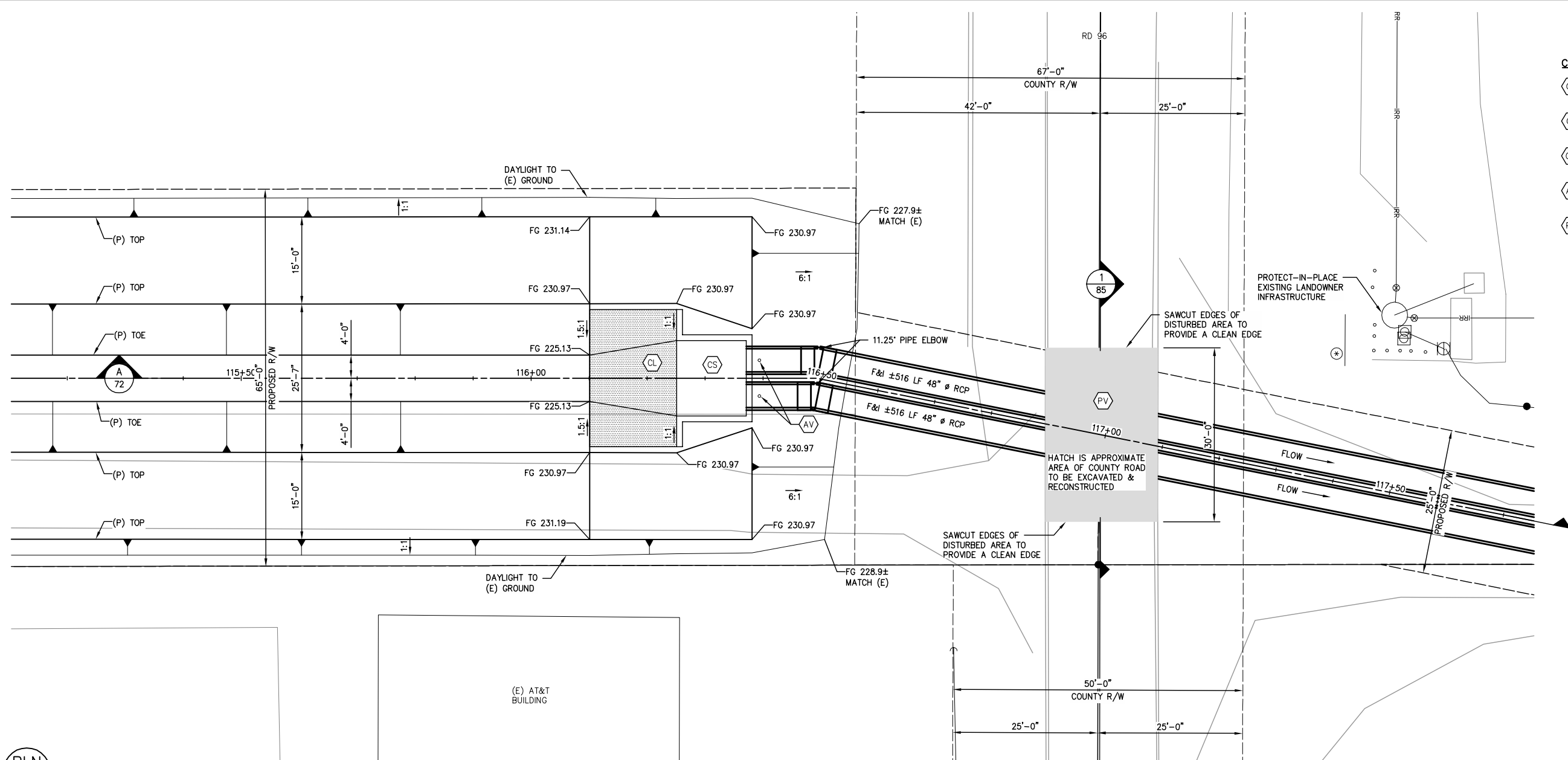


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72

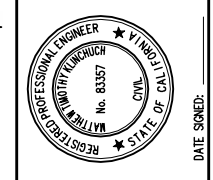
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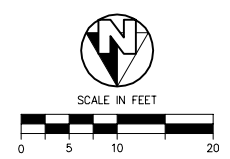
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- CS CONCRETE STRUCTURE
  - CL CONCRETE CANAL LINING
  - CW CONCRETE CUTOFF WALL
  - AV CONCRETE PIPE AIR VENT
  - PV ASPHALT PAVEMENT (3" AC OVER 6" CLI AB) PER COUNTY STANDARD



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SITE PLANS  
UPSTREAM ROAD 96 CROSSING

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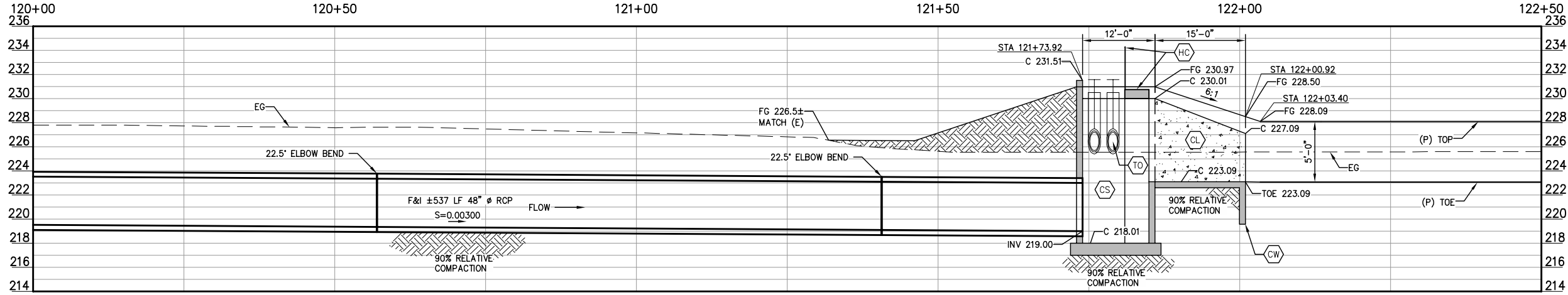
DESIGN ENGINEER: MATT KLINCHUCH  
LICENSE NO: 83357  
DRAFTED BY: CBC  
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DATE: 01/26/2022  
JOB NO: 315920002  
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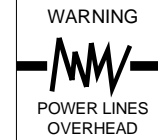
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UPSTREAM ROAD 96 CROSSING SITE PLAN

DOWNSTREAM ROAD 96 CROSSING PROFILE



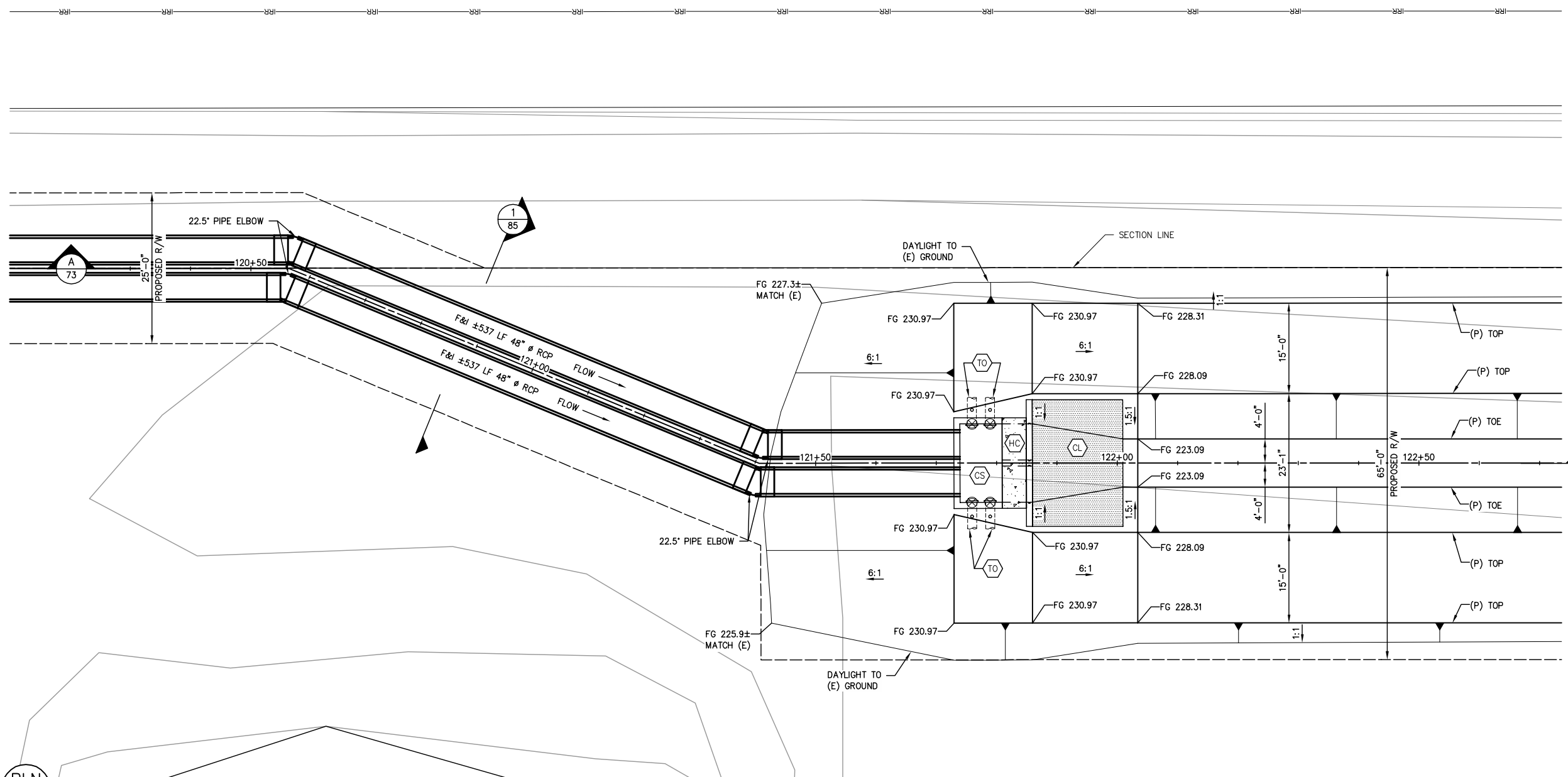
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73



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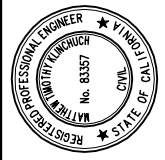
No.	REVISION	BY	DATE



CONSTRUCTION LEGEND

- CS CONCRETE STRUCTURE
- CL CONCRETE CANAL LINING
- CW CONCRETE CUTOFF WALL
- HC HANDRAIL AND CATWALK
- TO TURNOUT

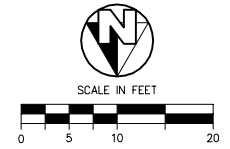
- 1 78
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- 8 84
- 4 84



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SITE PLANS  
DOWNSTREAM ROAD 96 CROSSING

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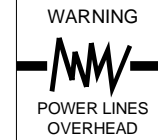
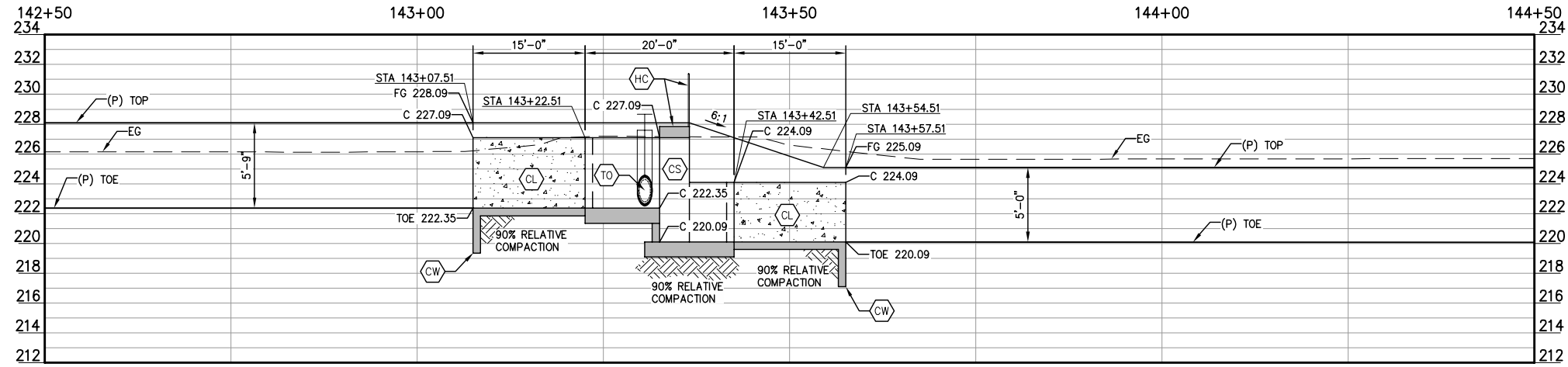
DESIGN ENGINEER:  
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LICENSE NO:  
83357  
DRAFTED BY: CBC  
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DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.



PLN  
73

DOWNSTREAM ROAD 96 CROSSING SITE PLAN

ROAD 92 DROP STRUCTURE PROFILE

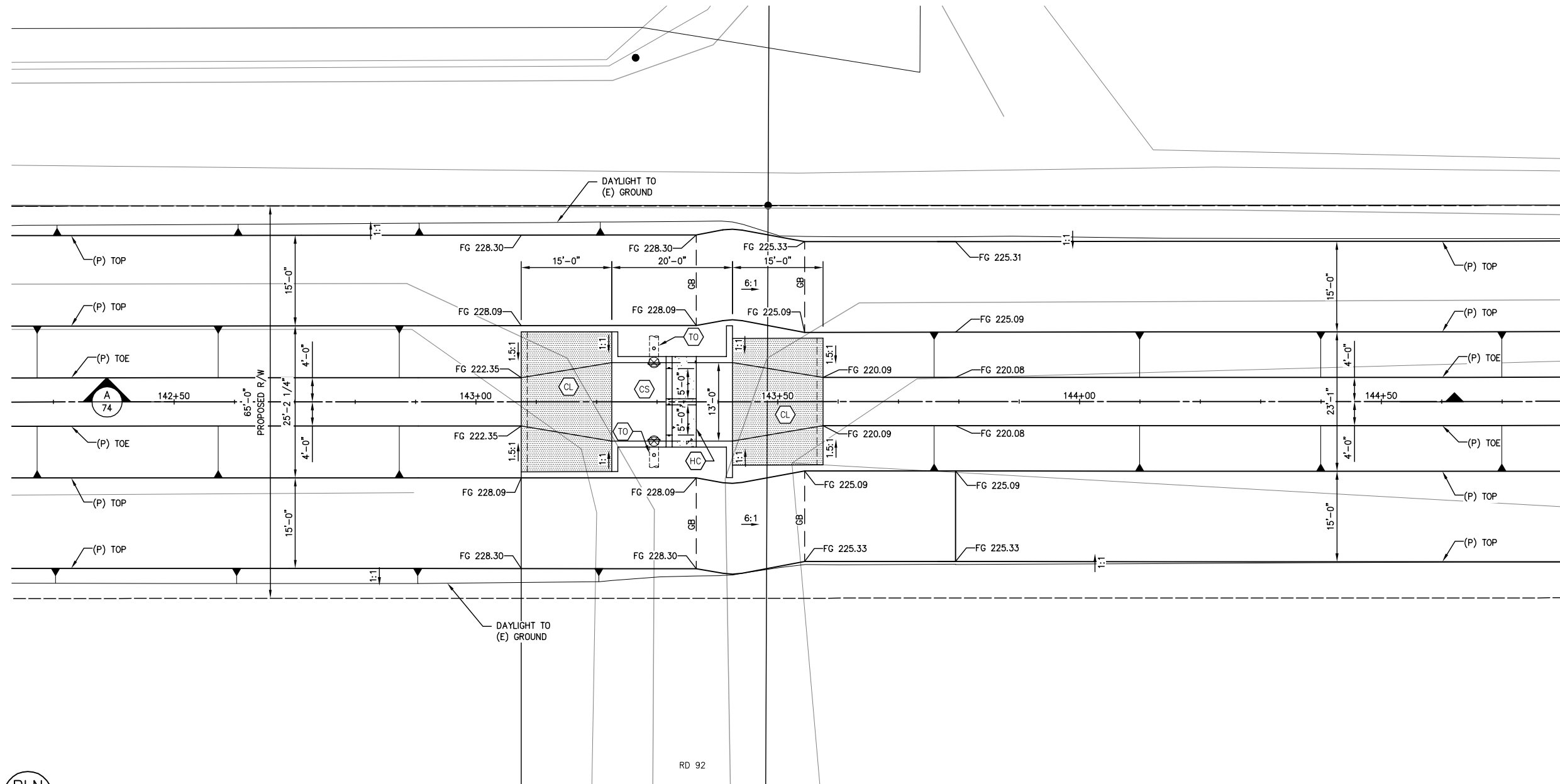


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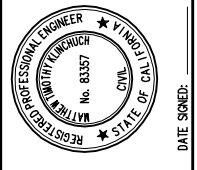
No.	REVISION	BY	DATE



CONSTRUCTION LEGEND

- CONCRETE STRUCTURE
- CONCRETE CANAL LINING
- CONCRETE CUTOFF WALL
- HANDRAIL AND CATWALK
- TURNOUT

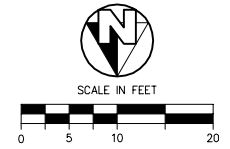
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LATERAL 4 CANAL PROJECT  
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TULARE COUNTY  
LAT 4 SITE PLANS  
ROAD 92 DROP STRUCTURE

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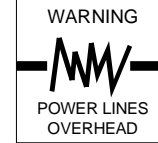
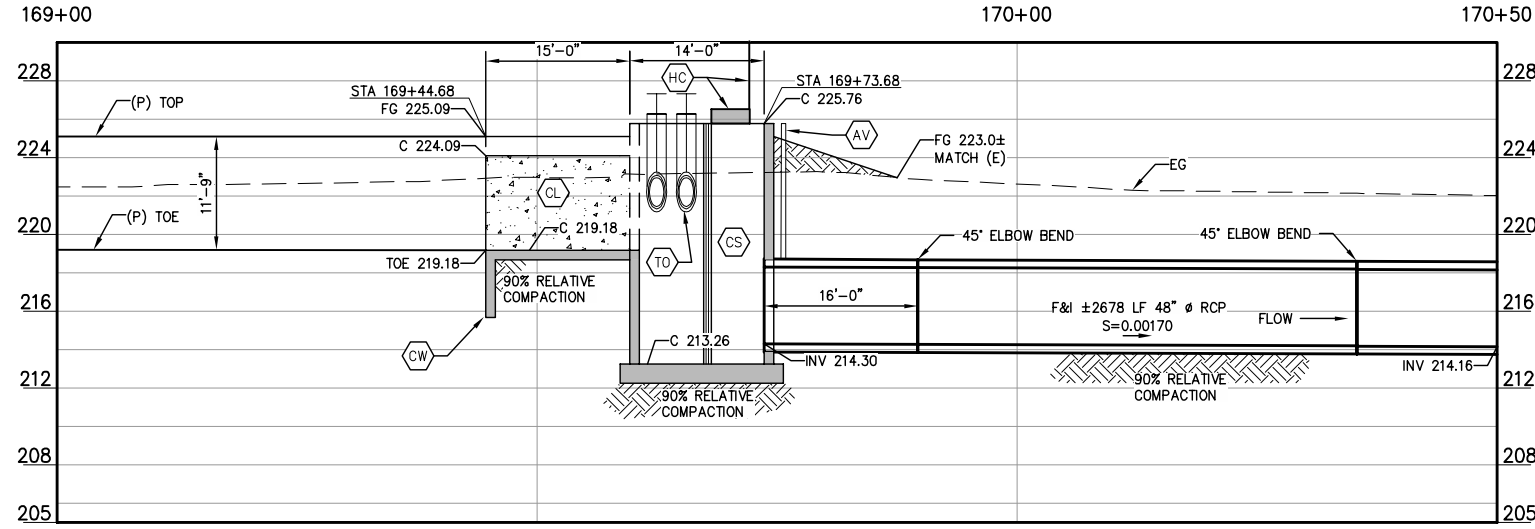
DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET **74**



PLN  
74

ROAD 92 DROP STRUCTURE SITE PLAN

ROAD 88 CROSSING PROFILE

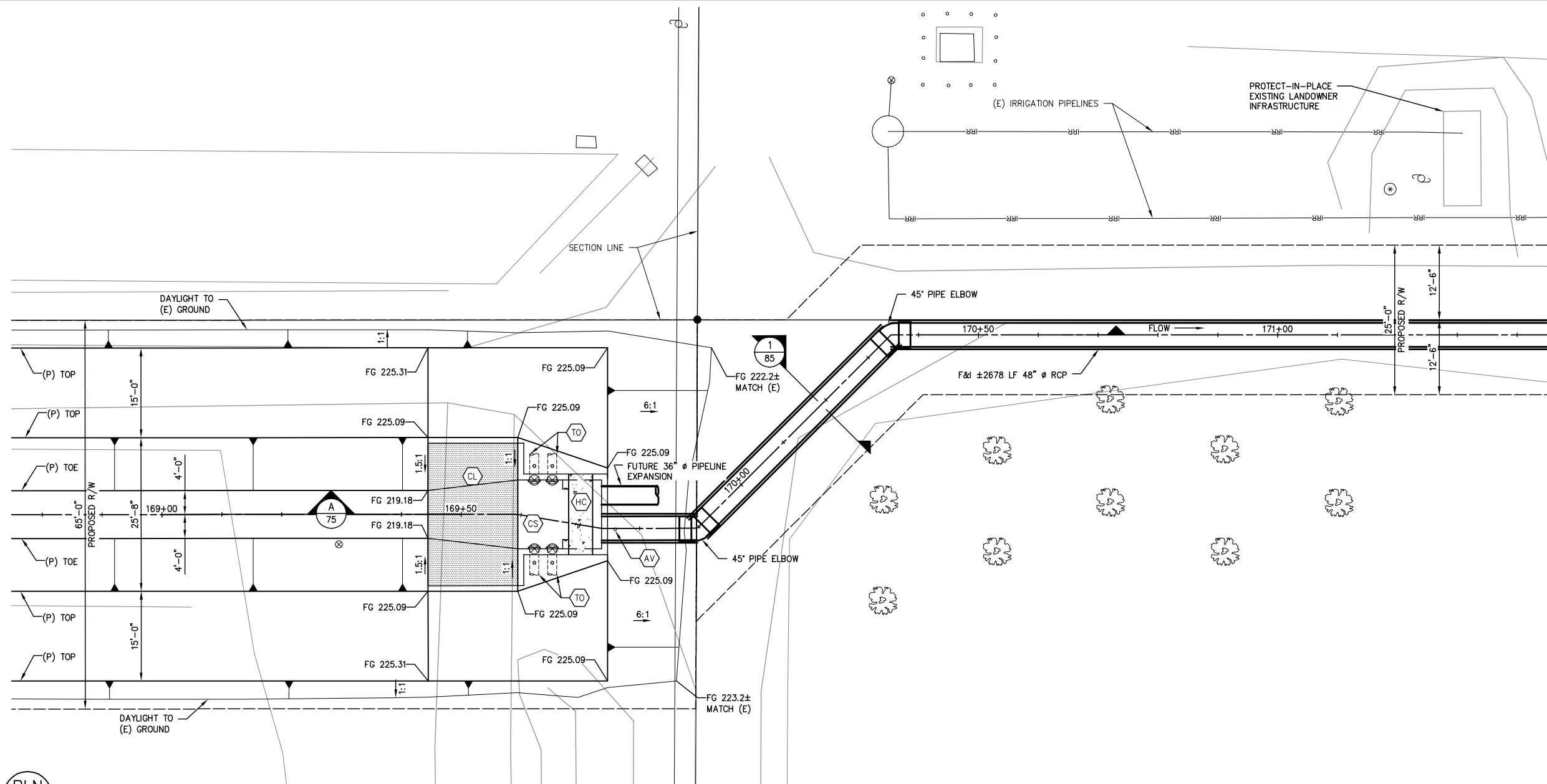


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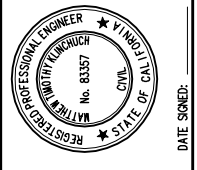
No.	REVISION	BY	DATE



CONSTRUCTION LEGEND

- CS CONCRETE STRUCTURE
- CL CONCRETE CANAL LINING
- CW CONCRETE CUTOFF WALL
- AV CONCRETE PIPE AIR VENT
- HC HANDRAIL AND CATWALK
- TO TURNOUT

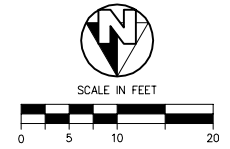
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- 7 84
- 3 84
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- 4 84



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SITE PLANS  
ROAD 88 CROSSING

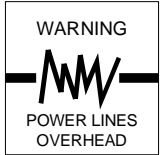
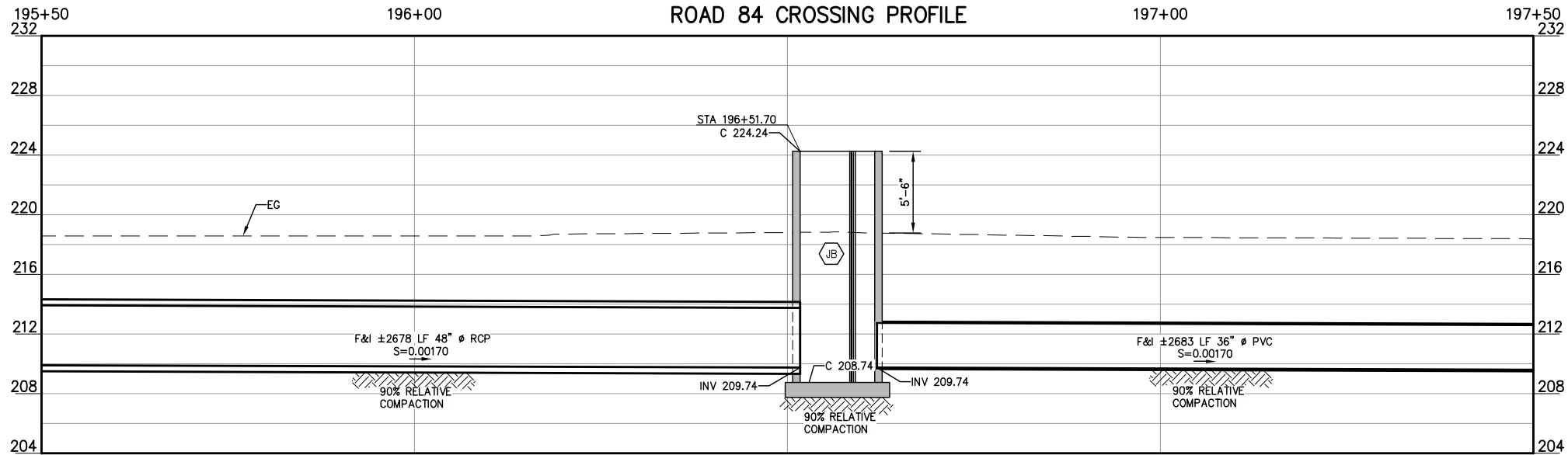
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DESIGN ENGINEER: MATT KLINCHUCH LICENSE NO: 83357	CHECKED BY: MTK
DRAFTED BY: CBC	DATE: 01/26/2022
JOB NO: 315920002	PROJECT NO: 315920002
PHASE: DES	SCALE: 1" = 10'
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.	
SHEET 75 OF 86	



PLN  
75

ROAD 88 CROSSING SITE PLAN



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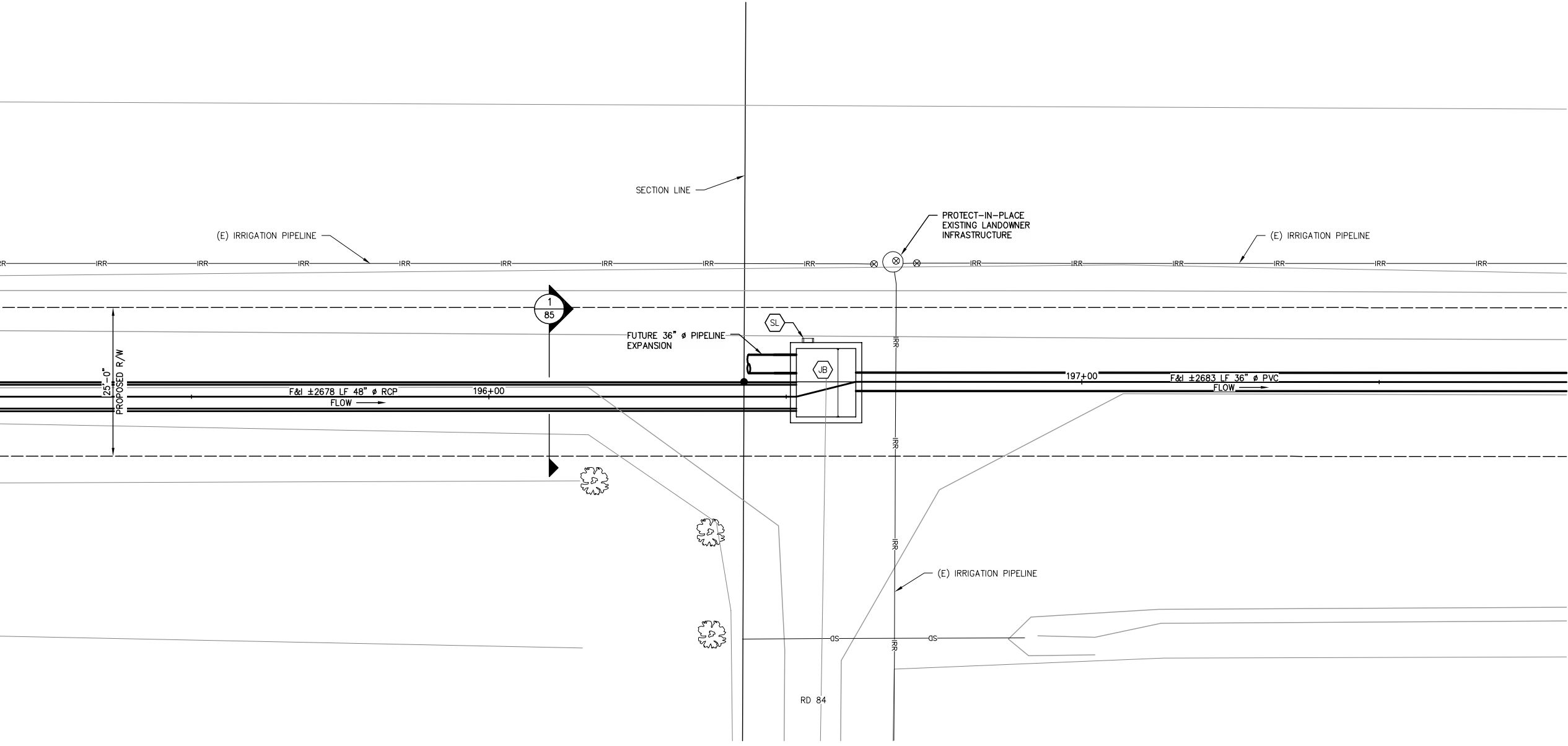
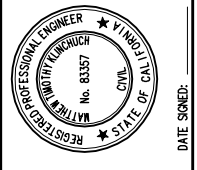
A  
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NOT FOR CONSTRUCTION  
1/26/2022

No.	REVISION	BY	DATE
3			
2			

**CONSTRUCTION LEGEND**

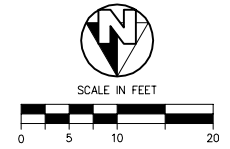
JUNCTION BOX	
STRUCTURE LADDER	



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SITE PLANS  
ROAD 84 CROSSING

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DRAFTED BY: CBC	DATE: 01/26/2022
JOB NO: 315920002	PROJECT NO: 315920002
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ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.	

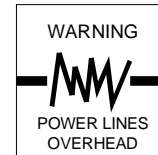
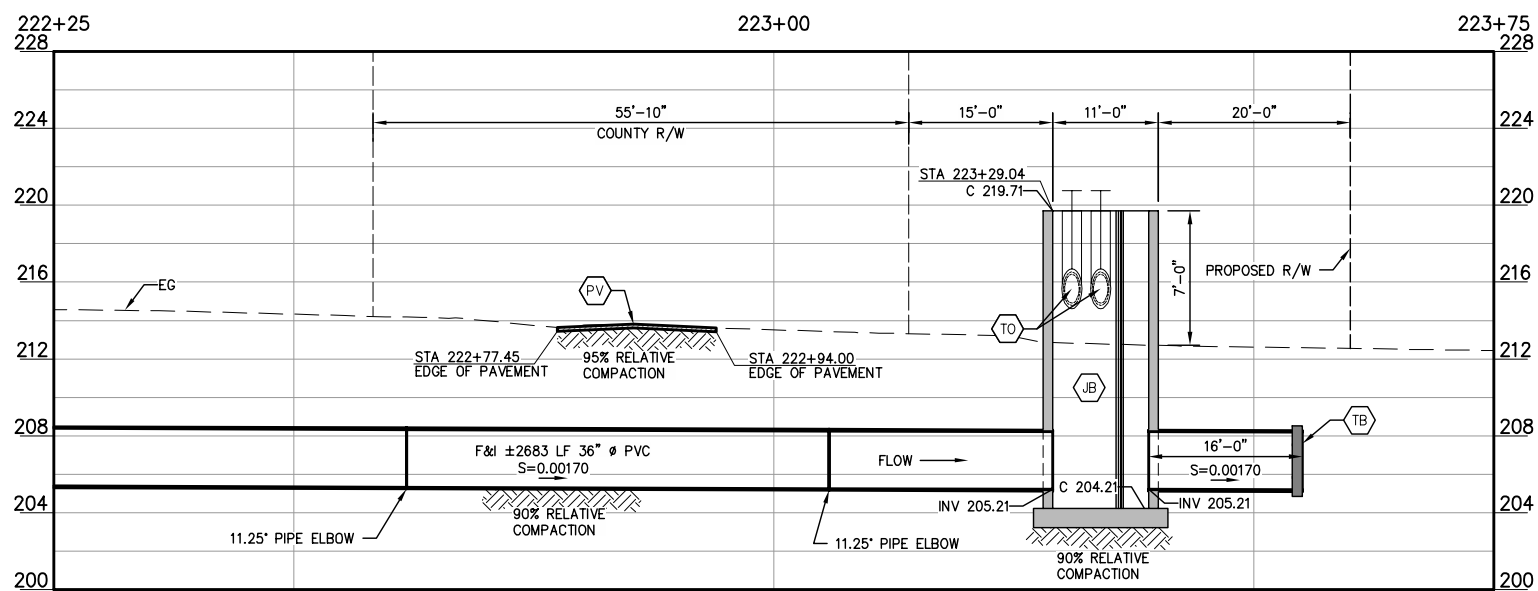


PLN  
76

ROAD 84 CROSSING SITE PLAN



ROAD 80 CROSSING PROFILE

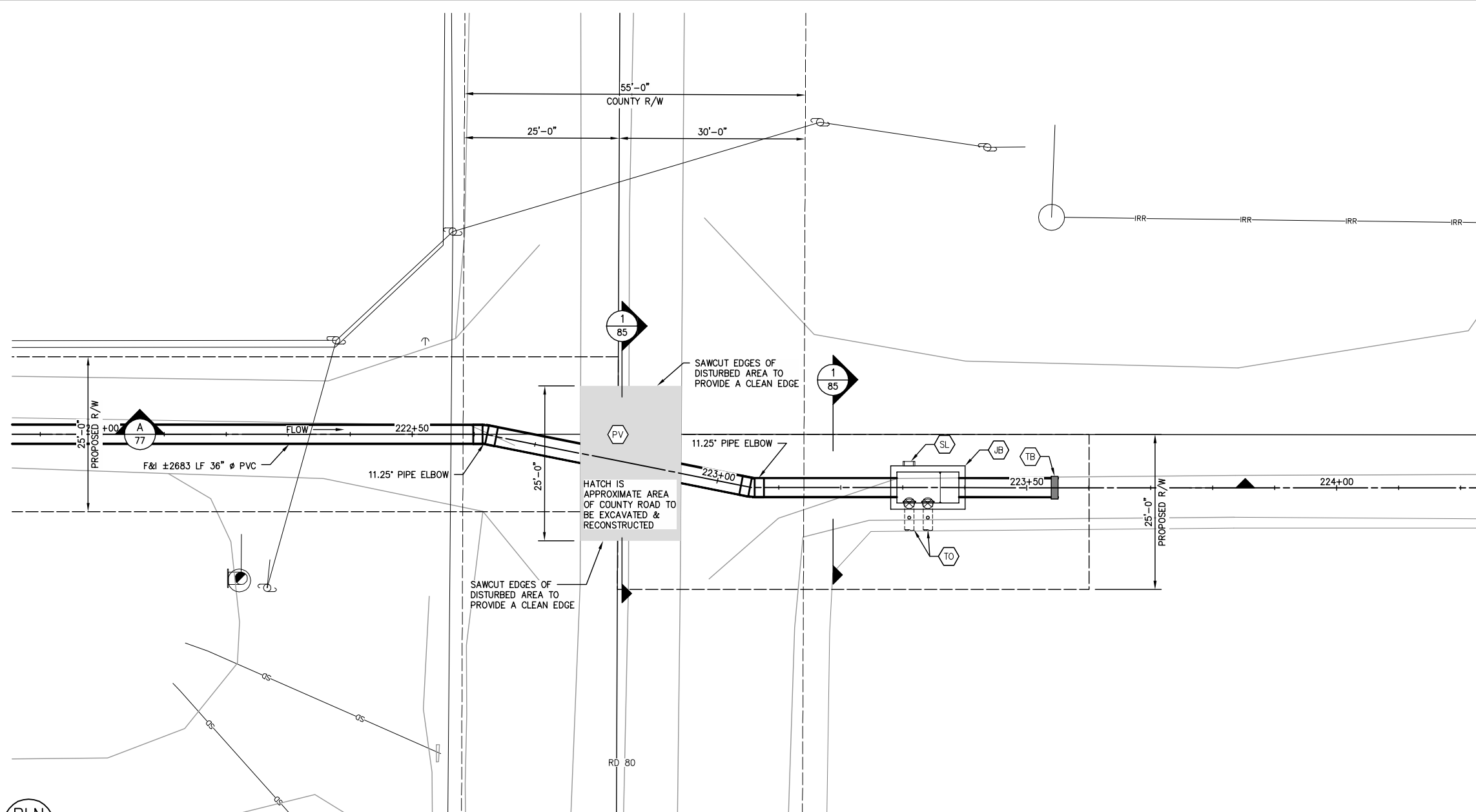


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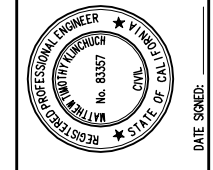
**NOT FOR CONSTRUCTION**  
1/26/2022

No.	REVISION	BY	DATE



CONSTRUCTION LEGEND

- JB JUNCTION BOX (7/85)
- TO TURNOUT (4/84)
- TB F&I THRUST BLOCK & PIPE PLUG (1/86)
- SL STRUCTURE LADDER (2/86)
- PV ASPHALT PAVEMENT (3" AC OVER 6" CLII AB) PER COUNTY STANDARD



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
LAT 4 SITE PLANS  
ROAD 80 CROSSING

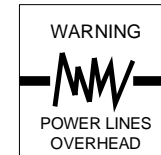
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DESIGN ENGINEER: MATT KLINCHUCH LICENSE NO: 83357	CHECKED BY: MTK
DRAFTED BY: CBC	DATE: 01/26/2022
JOB NO: 315920002	PROJECT NO: 315920002
PHASE: DES	SCALE IN FEET 0 5 10 20

PLN  
77

ROAD 80 CROSSING SITE PLAN

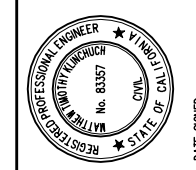




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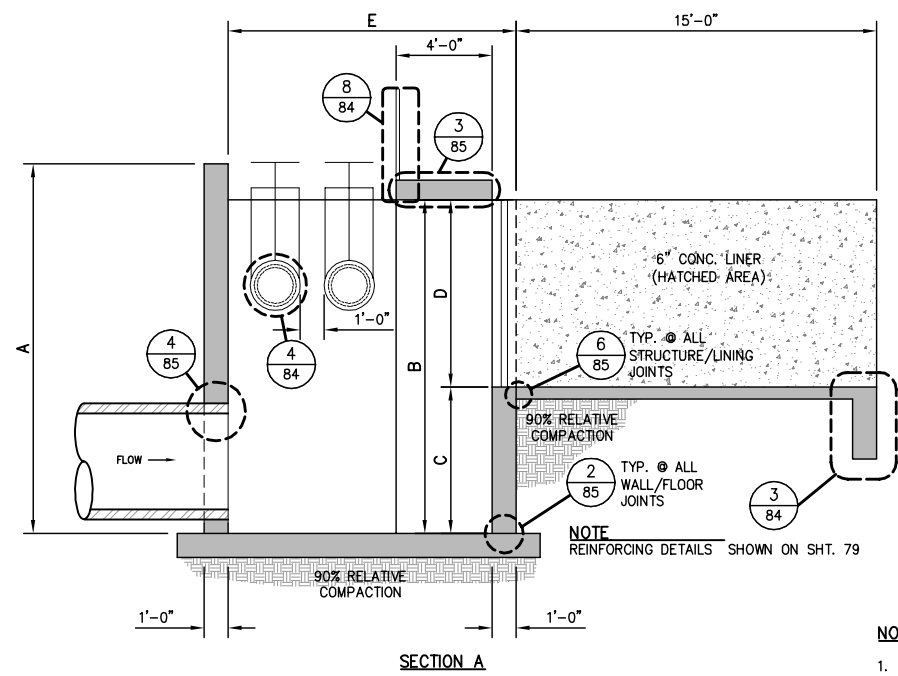
LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
STRUCTURAL DETAILS  
TYP ROAD CROSSING DIMENSIONS

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LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES

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SHEET **78** OF **86**

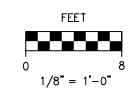
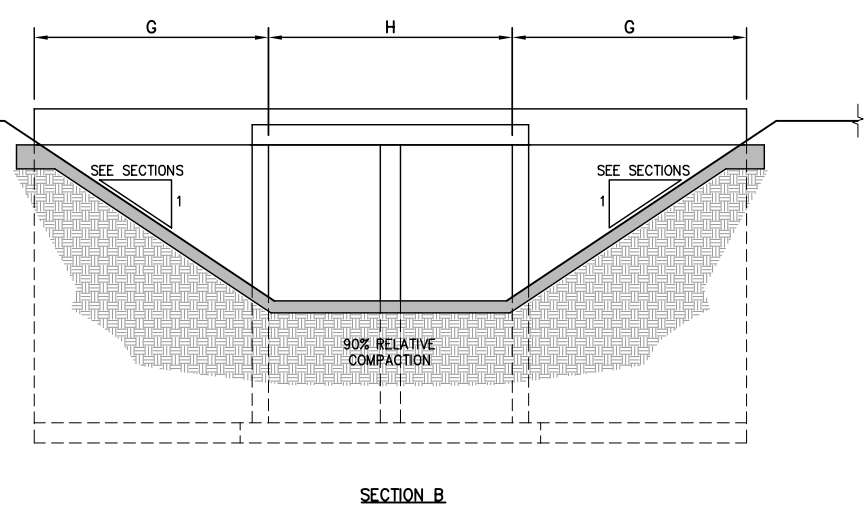
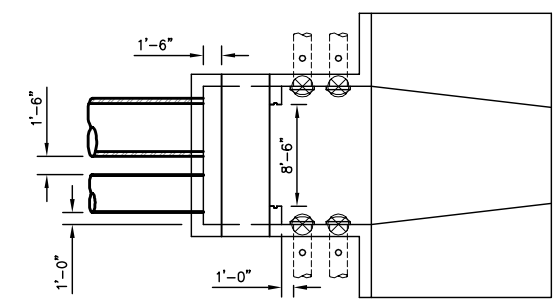
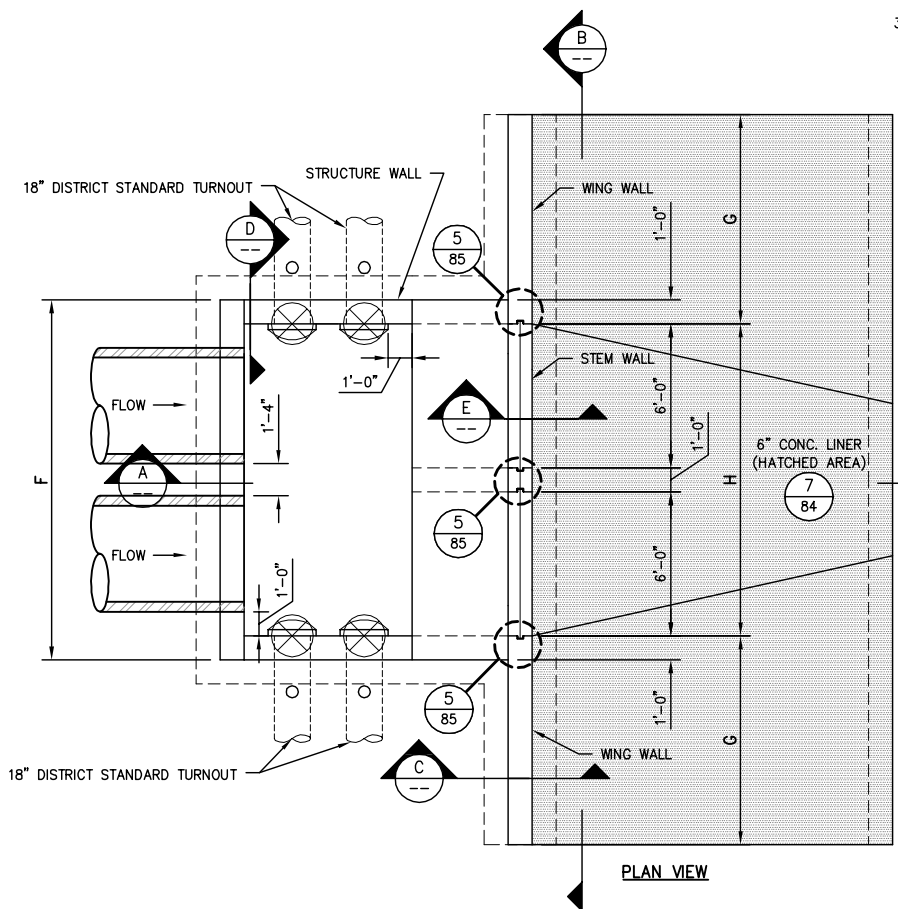
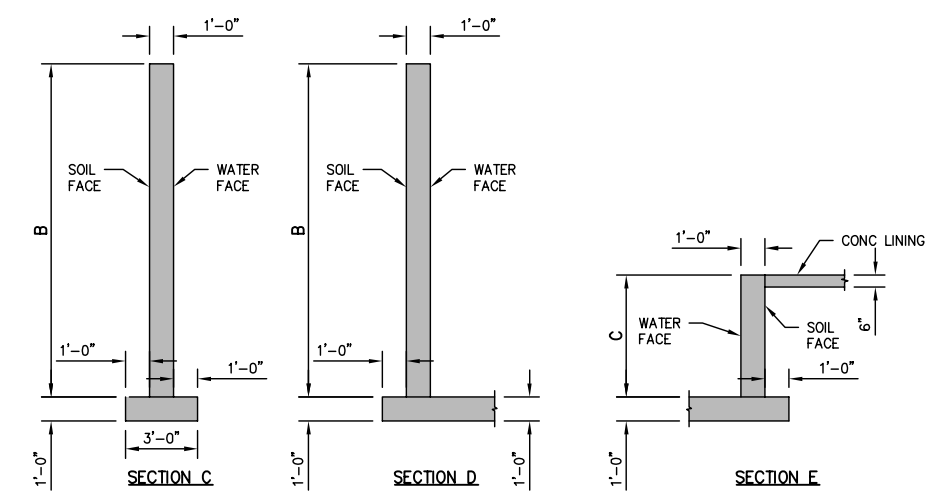
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Upstream Structure								
Structure ID	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
WM Canal	11'-6"	11'-6"	--	--	12'-0"	16'-4"	4'-4"	14'-4"
LAT 3 Diversion	SEE SHEET 80							
AVE 112	16'-9"	16'-9"	10'-9"	6'-0"	12'-0"	15'-0"	5'-10"	13'-0"
RD 112	11'-6"	11'-6"	4'-10"	6'-8"	14'-0"	12'-0"	8'-0"	10'-0"
RD 108	12'-6"	12'-6"	6'-0"	6'-6"	12'-0"	15'-0"	5'-5"	13'-0"
RD 104	11'-9"	11'-9"	5'-2"	6'-7"	12'-0"	15'-0"	5'-4"	13'-0"
RD 100	12'-3"	12'-3"	5'-9"	6'-6"	12'-0"	15'-0"	5'-4"	13'-0"
RD 96	12'-0"	12'-0"	5'-6"	6'-6"	12'-0"	15'-0"	5'-4"	13'-0"
RD 88	12'-6"	12'-6"	5'-11"	6'-7"	14'-0"	13'-6"	6'-2"	11'-6"

Downstream Structure								
Structure ID	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
WM Canal	11'-6"	10'-0"	0'-11"	9'-1"	12'-0"	16'-4"	4'-10"	14'-4"
LAT 3 Diversion	9'-6"	9'-6"	3'-11"	5'-7"	12'-0"	15'-0"	5'-0"	13'-0"
AVE 112	16'-9"	16'-9"	10'-9"	6'-0"	12'-0"	15'-0"	5'-10"	13'-0"
RD 112	11'-6"	10'-0"	3'-9"	6'-3"	12'-0"	15'-0"	4'-0"	13'-0"
RD 108	12'-6"	11'-0"	3'-0"	8'-0"	12'-0"	15'-0"	4'-0"	13'-0"
RD 104	11'-6"	10'-0"	2'-7"	7'-5"	12'-0"	15'-0"	4'-0"	13'-0"
RD 100	12'-3"	10'-9"	1'-8"	9'-1"	12'-0"	15'-0"	4'-0"	13'-0"
RD 96	13'-6"	12'-0"	5'-1"	6'-11"	12'-0"	15'-0"	4'-0"	13'-0"

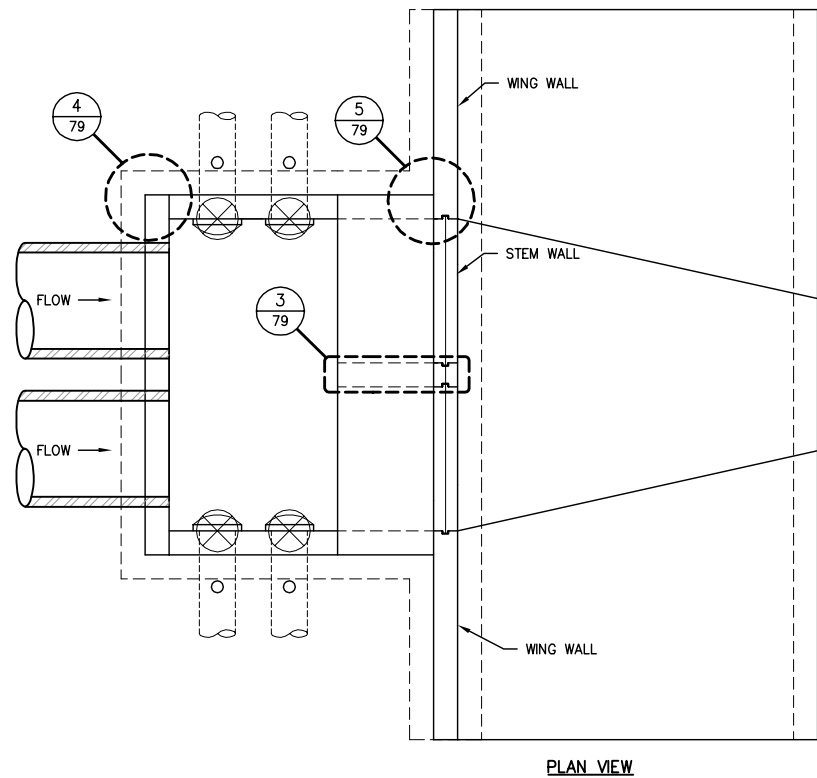
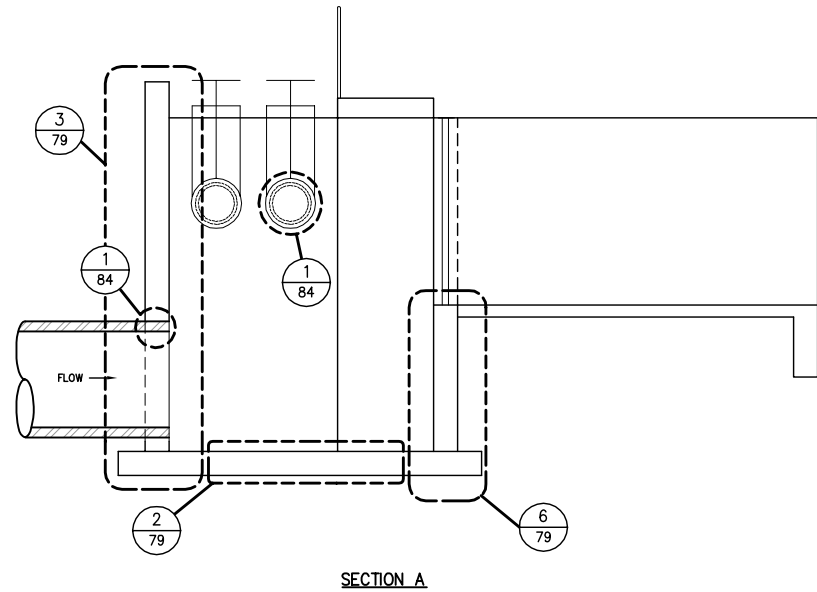
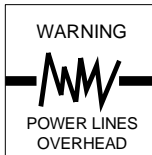
- NOTES**
- SEE SITE PLAN DRAWINGS FOR STRUCTURE INVERT ELEVATIONS.
  - TURNOUT INVERT ELEVATIONS TO BE DETERMINED BY THE DISTRICT.
  - 1-BAY STRUCTURE ONLY APPLICABLE FOR RD 88 STRUCTURE.



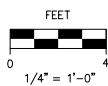
**TYPICAL ROAD CROSSING STRUCTURE DIMENSIONS**



Know what's below.  
Call before you dig.



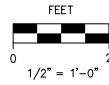
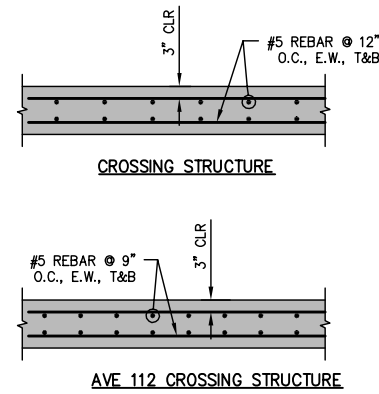
TYPICAL ROAD CROSSING STRUCTURE REINFORCEMENT



1/79

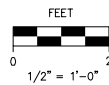
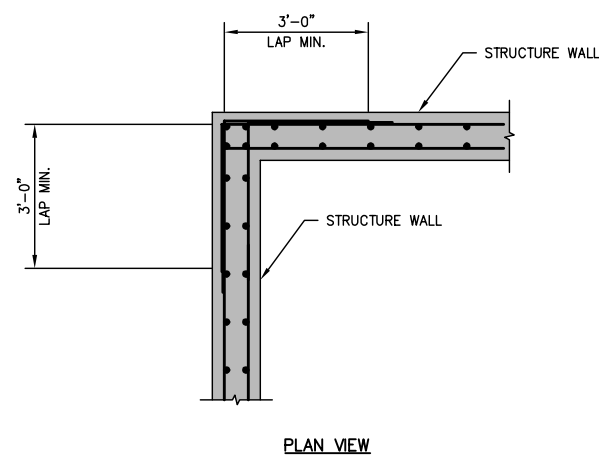
2/79

CONC. SLAB REINFORCING



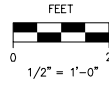
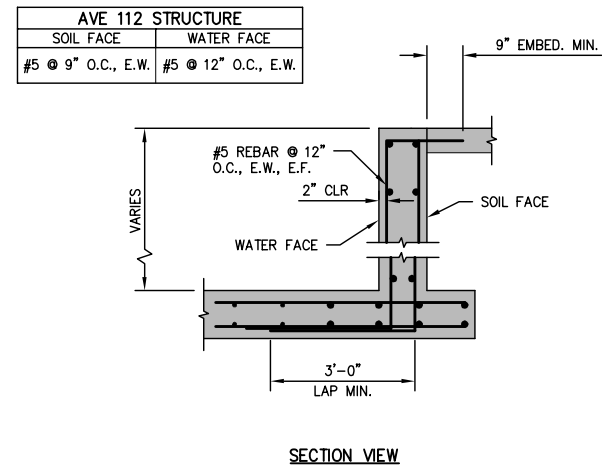
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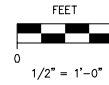
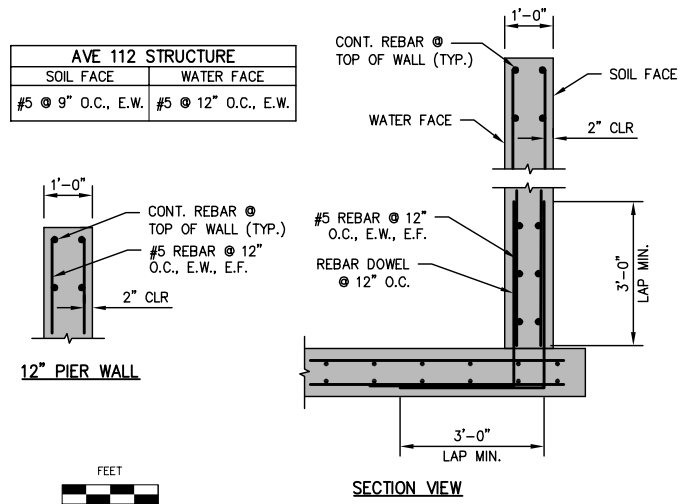
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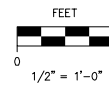
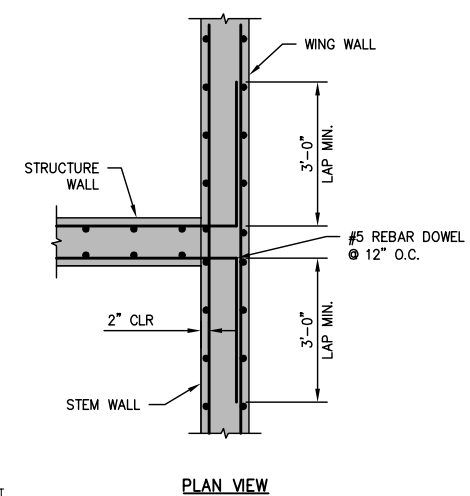
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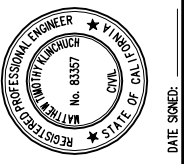


5/79

12\"/>



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1/26/2022



LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
STRUCTURAL DETAILS  
TYP ROAD CROSSING REINFORCING

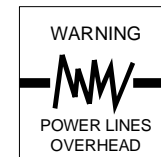
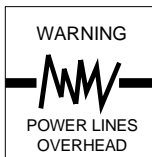
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DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES  
ORIGINAL SCALE SHOWN IS  
ONE INCH. ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

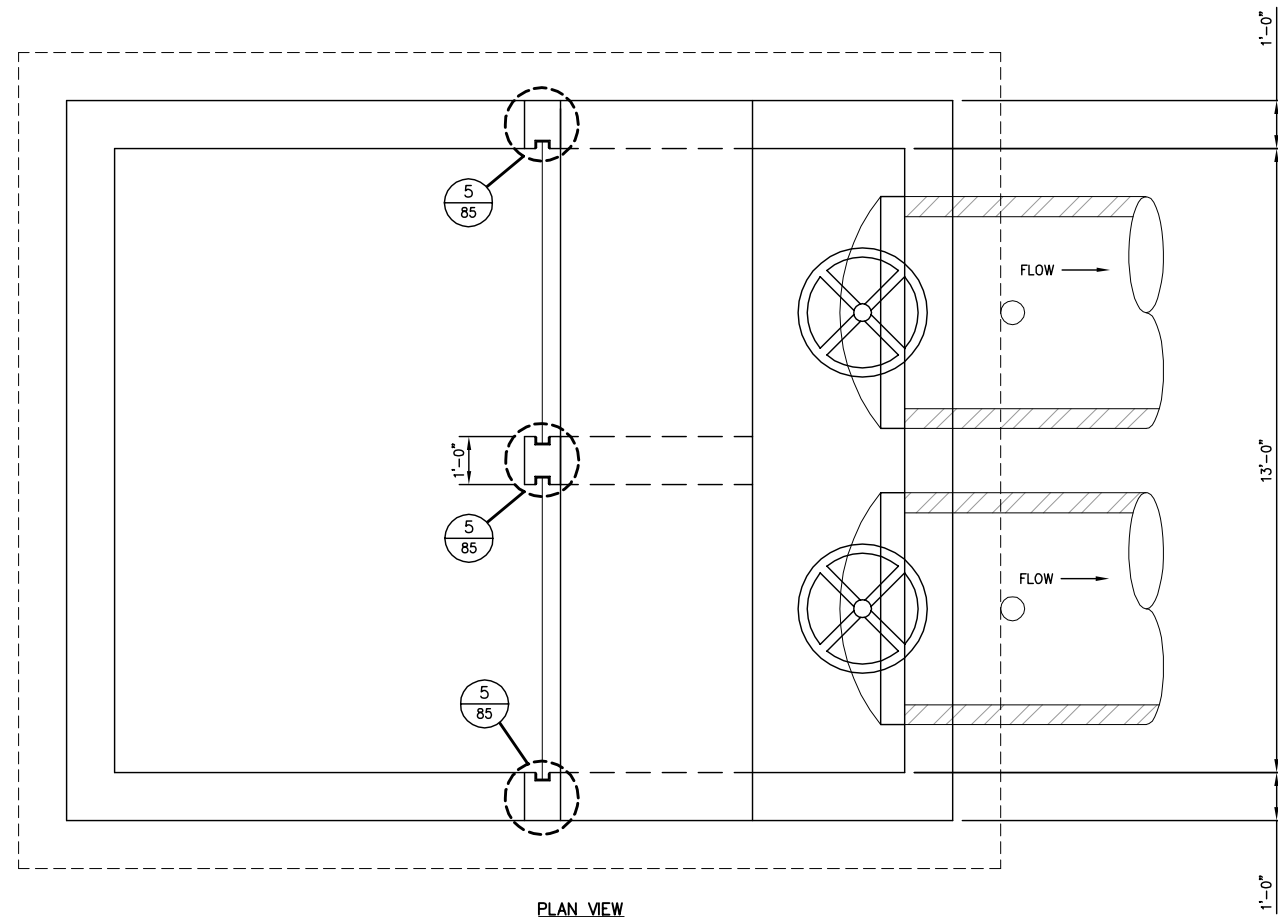
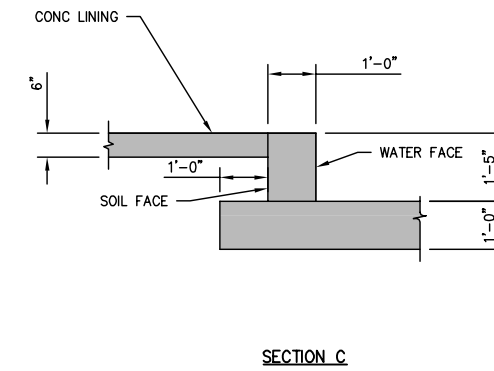
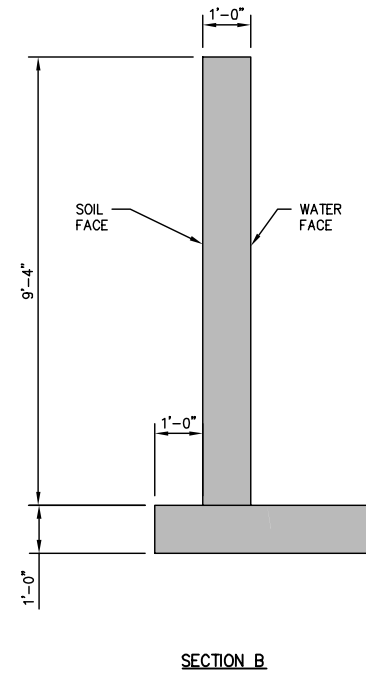
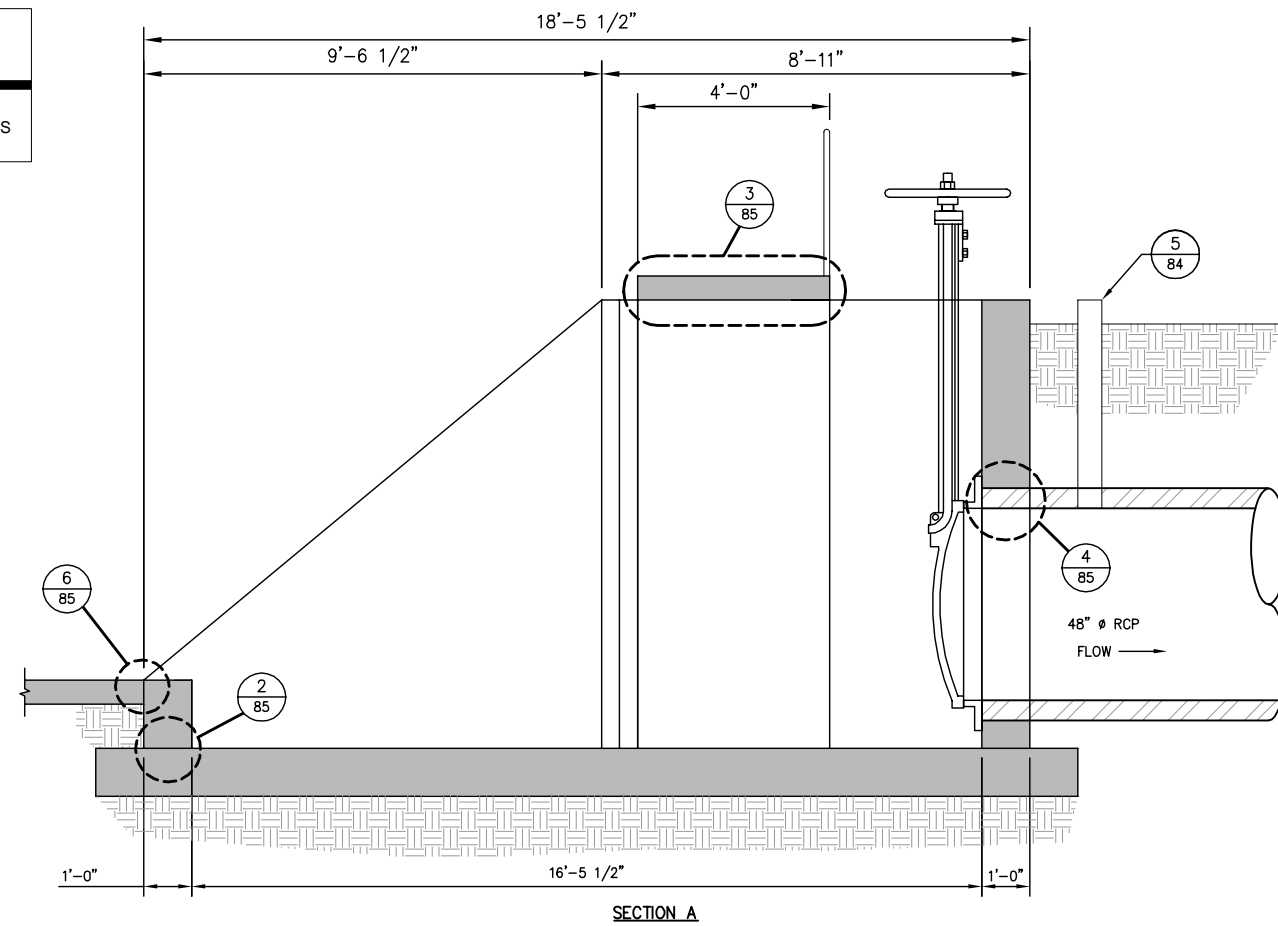
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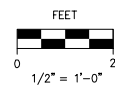


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**NOTES**

1. SEE SITE PLAN DRAWINGS FOR STRUCTURE INVERT ELEVATIONS.



1/80

**LATERAL 3 DIVERSION STRUCTURE DIMENSIONS**

**NOT FOR CONSTRUCTION**  
1/26/2022

LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY

STRUCTURAL DETAILS  
LATERAL 3 DIVERSION STRUCTURE  
DIMENSIONS

DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357

DRAFTED BY: CBC  
CHECKED BY: MTK

DATE: 01/26/2022

JOB NO: 315920002

PROJECT NO: 315920002

PHASE: DES

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

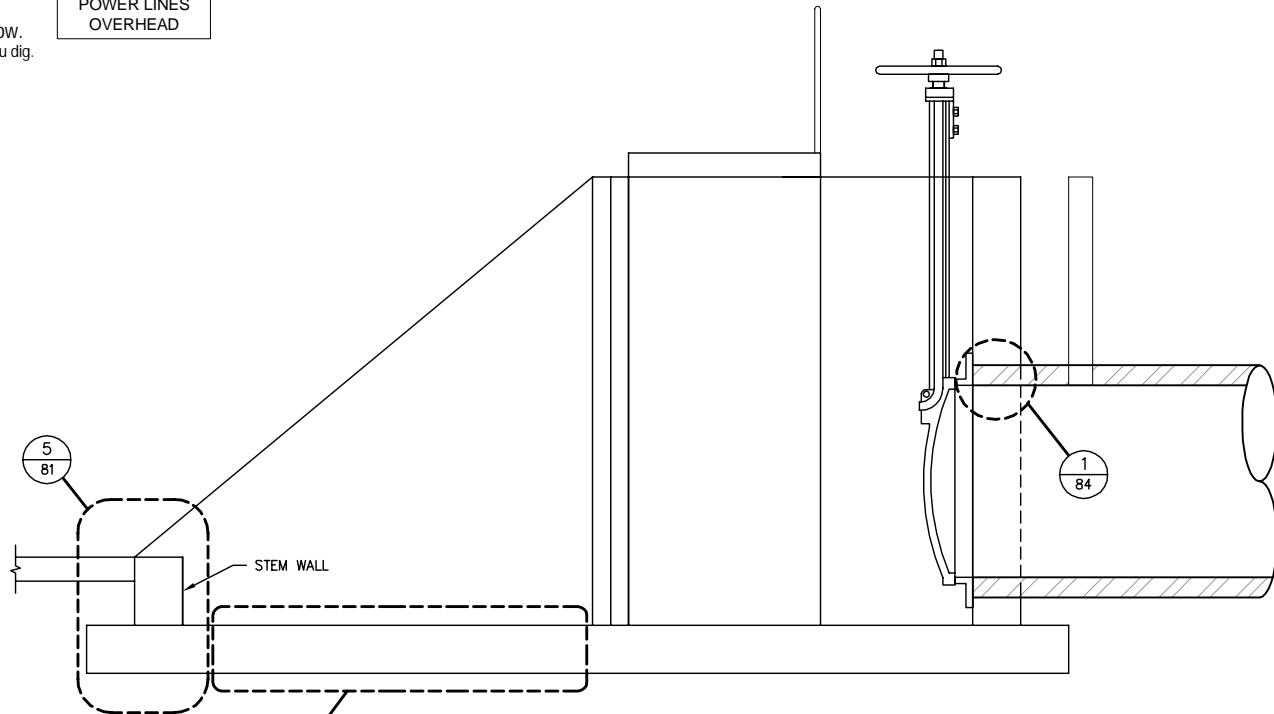
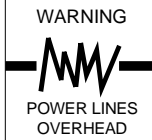
SHEET **80** OF **86**

1/26/2022 1:34 PM G:\P\Pixel\315920002-Lat 4 Final\300 CAD\340 Sheet Sets\12\_STRUCTURAL DETAILS\80 LATERAL 3 DIVERSION STRUCTURE DIMENSIONS.dwg - Christopher Cervantes

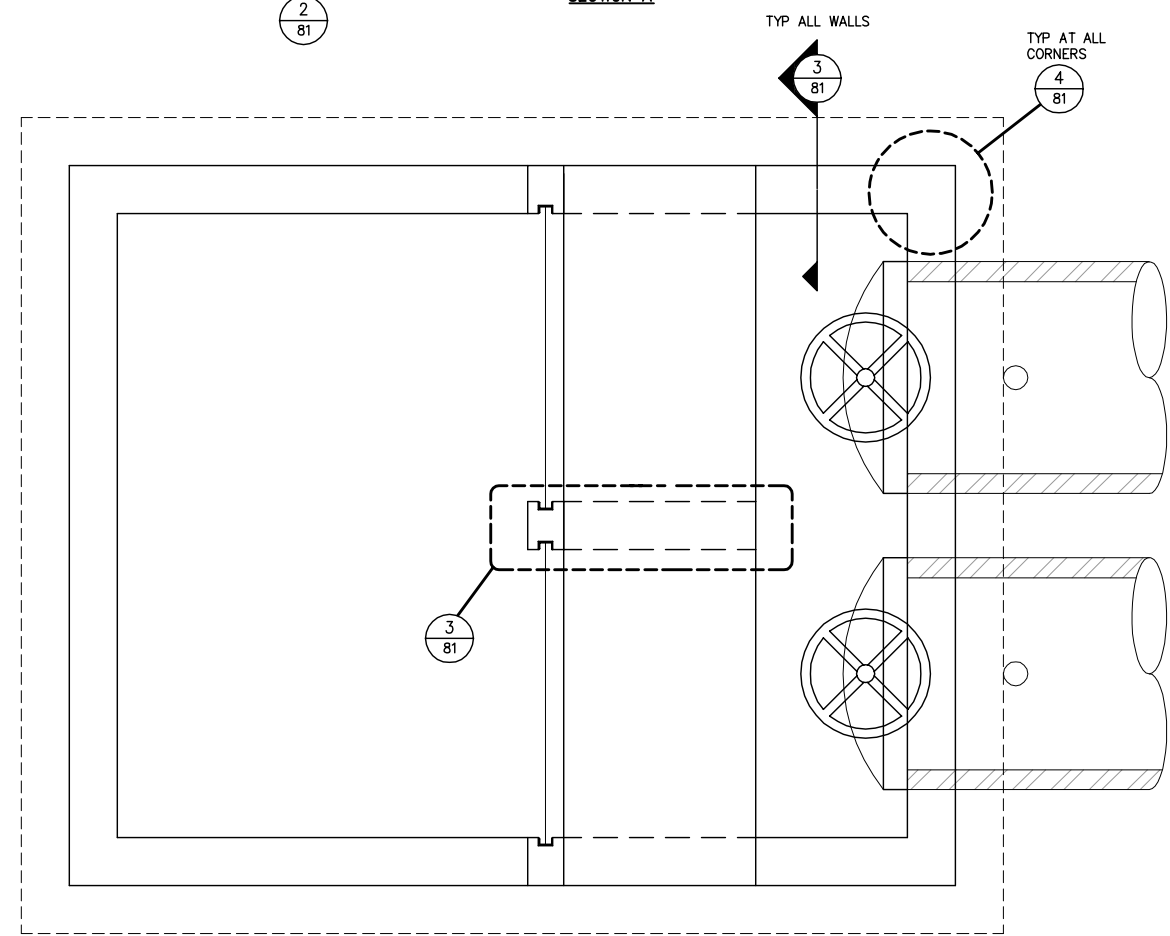
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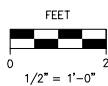
Know what's below.  
Call before you dig.



SECTION A



PLAN VIEW



LATERAL 3 DIVERSION STRUCTURE REINFORCEMENT

1/81

2/81

CONC. SLAB REINFORCING

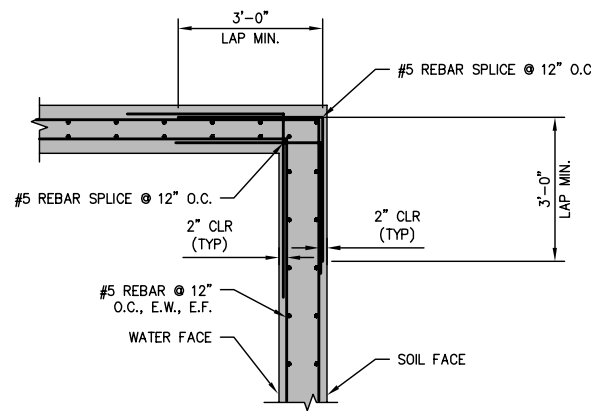


DIVERSION STRUCTURE



4/81

12" WALL CORNER REINFORCING

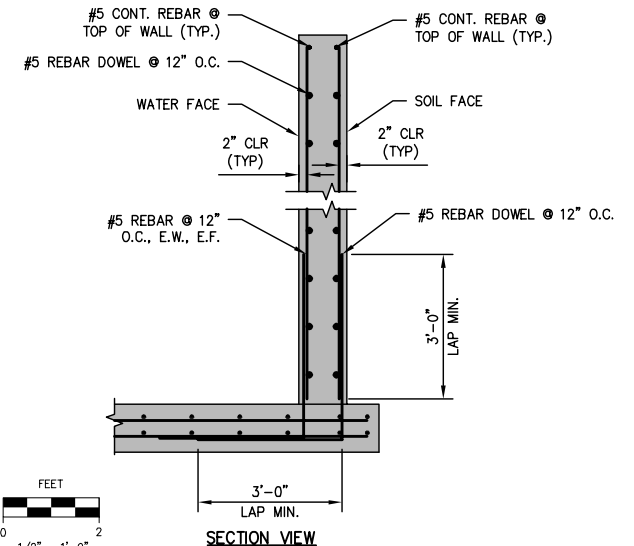


PLAN VIEW

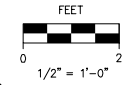


3/81

12" WALL REINFORCING

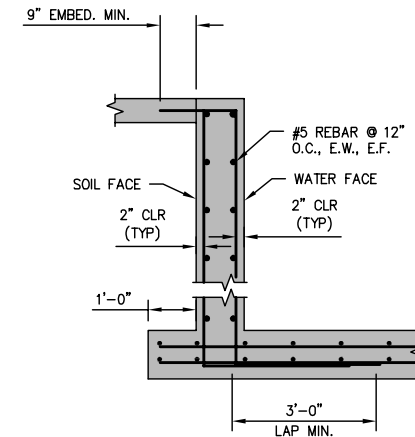


SECTION VIEW

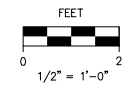


5/81

12" STEM WALL REINFORCING

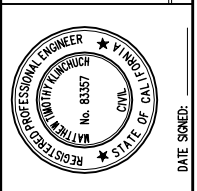


SECTION VIEW



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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
STRUCTURAL DETAILS  
LATERAL 3 DIVERSION STRUCTURE  
REINFORCING

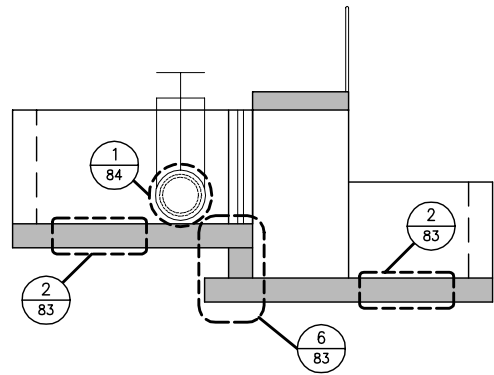
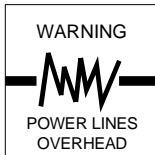
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130 NORTH GARDEN STREET  
VESALIA, CALIFORNIA 93291-6382  
559/636-1166 FAX 559/636-1177  
www.pprg.com

DESIGN ENGINEER: MATT KLINCHUCH  
LICENSE NO: 83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET 81 OF 86

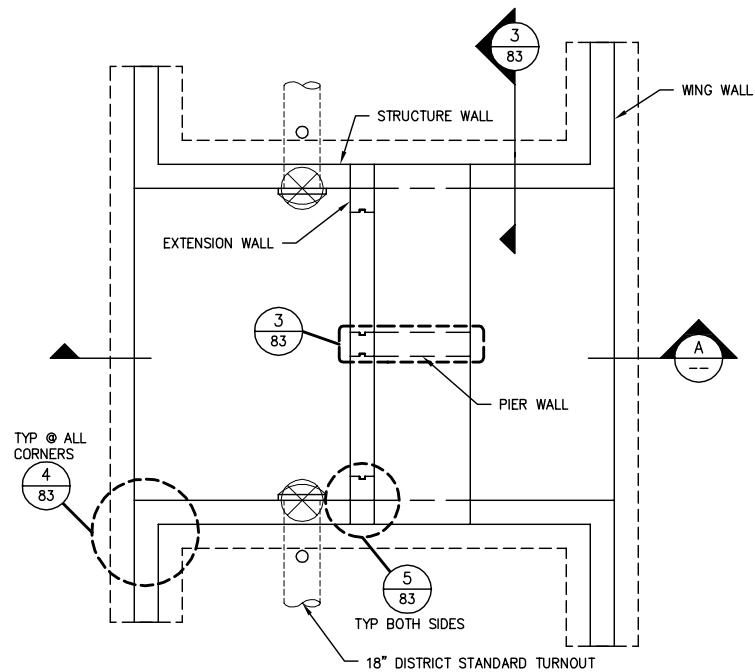




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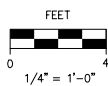


SECTION A



PLAN VIEW

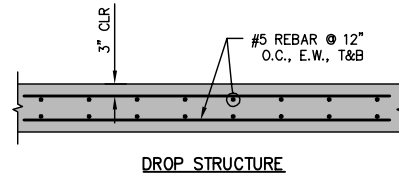
ROAD 92 DROP STRUCTURE REINFORCEMENT



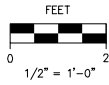
1/83

2/83

CONC. SLAB REINFORCING

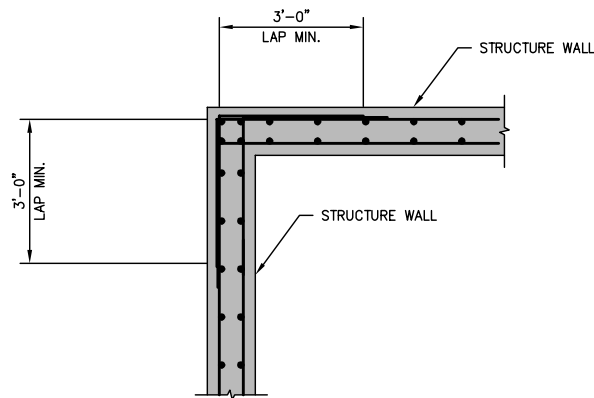


DROP STRUCTURE

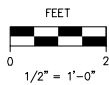


4/83

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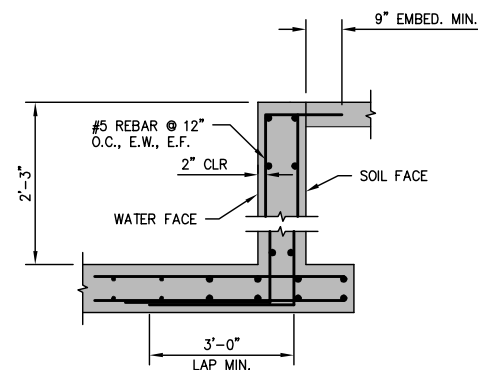


PLAN VIEW

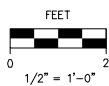


6/83

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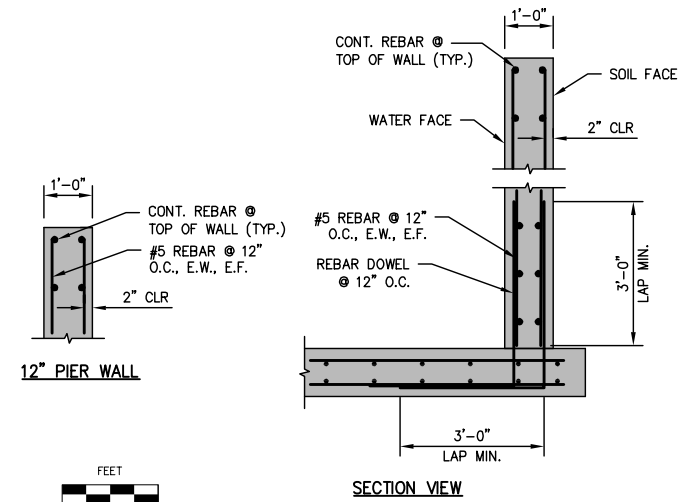


SECTION VIEW

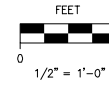


3/83

12\"/>

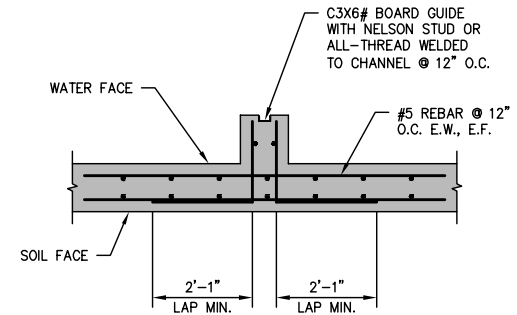


SECTION VIEW

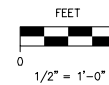


5/83

STRUCTURE-EXTENSION WALL REINFORCING

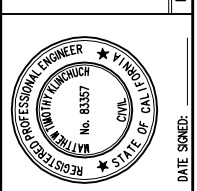


PLAN VIEW



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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
STRUCTURAL DETAILS  
ROAD 92 DROP STRUCTURE REINFORCING

EST. 1913  
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VISA, CALIFORNIA 93291-6882  
559/636-1166 FAX 559/636-1177  
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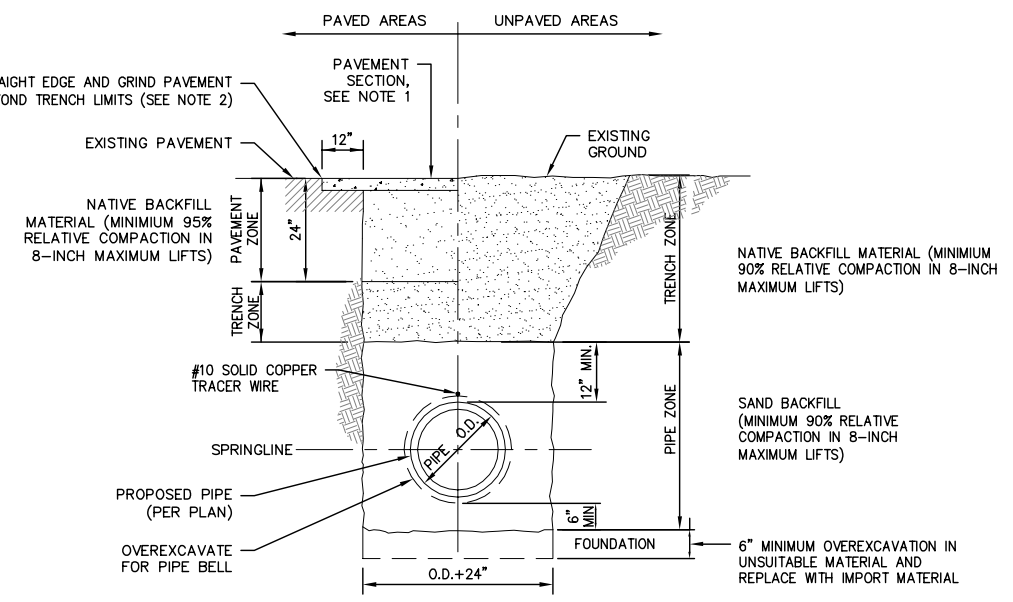
DESIGN ENGINEER:	MATT KLINCHUCH
LICENSE NO.:	83357
DRAFTED BY:	CBC
CHECKED BY:	MTK
DATE:	01/26/2022
JOB NO.:	315920002
PROJECT NO.:	315920002
PHASE:	DES
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.	
SHEET:	83 OF 86

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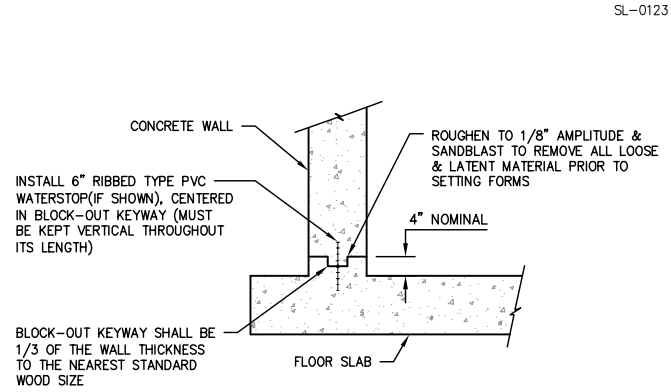


- NOTES:**
- TRENCH RESURFACING SHALL BE AT A COMPACTED THICKNESS OF 7" AC OVER COMPACTED NATIVE SOIL. NO LIFT SHALL BE GREATER THAN 3 INCHES.
  - GRIND PAVEMENT 1.5" DEEP IN MAJOR STREETS AND 1" DEEP IN LOCAL STREETS.
  - TRENCH WIDTH VARIES.
  - NO SPECIAL BEDDING REQUIRED FOR THIS INSTALLATION.
  - PIPE INSTALLATIONS ARE TO EMPLOY TRENCH SHORING AND/OR SLOPING IN ACCORDANCE WITH ALL APPLICABLE SAFETY STANDARDS. TYPICAL INSTALLATIONS SHOWN DO NOT NECESSARILY DEPICT COMPLIANCE WITH SAID STANDARDS AS SPECIAL CONSTRUCTION METHODS (SUCH AS SHIELDS, TRENCH BOXES, ETC.) MIGHT BE EMPLOYED BY THE CONTRACTOR IN ACCORDANCE WITH SAID STANDARDS.



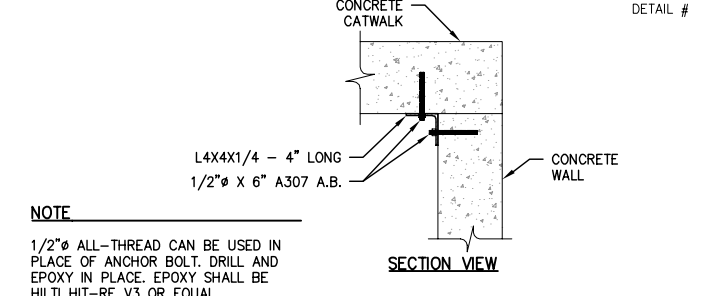
**TYPICAL PIPE BEDDING AND TRENCH BACKFILL**

1  
85



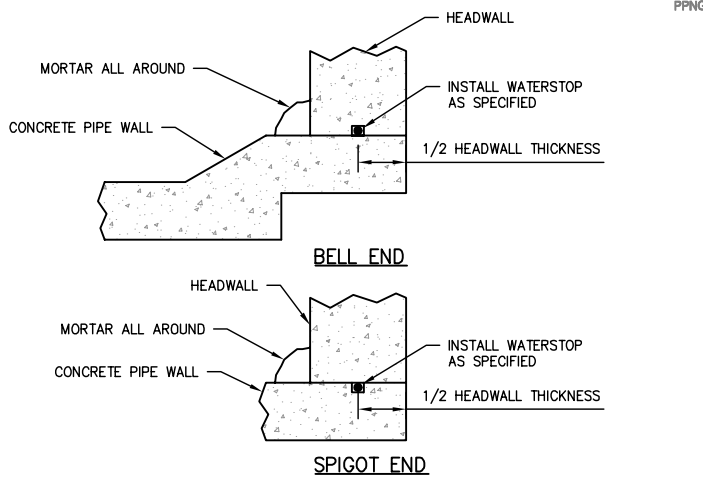
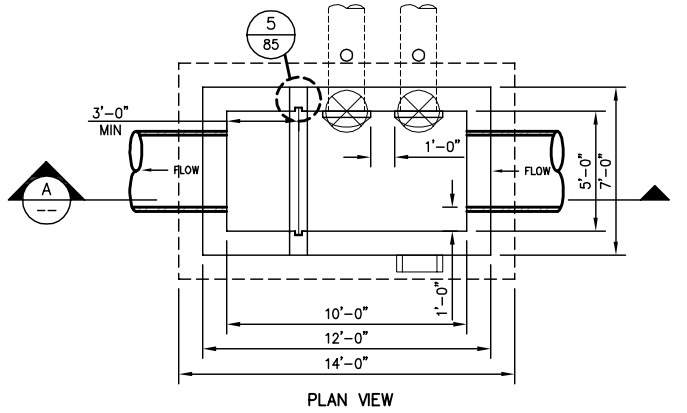
**CONSTRUCTION JOINT W/ WATERSTOP AND KEYWAY**

2  
85



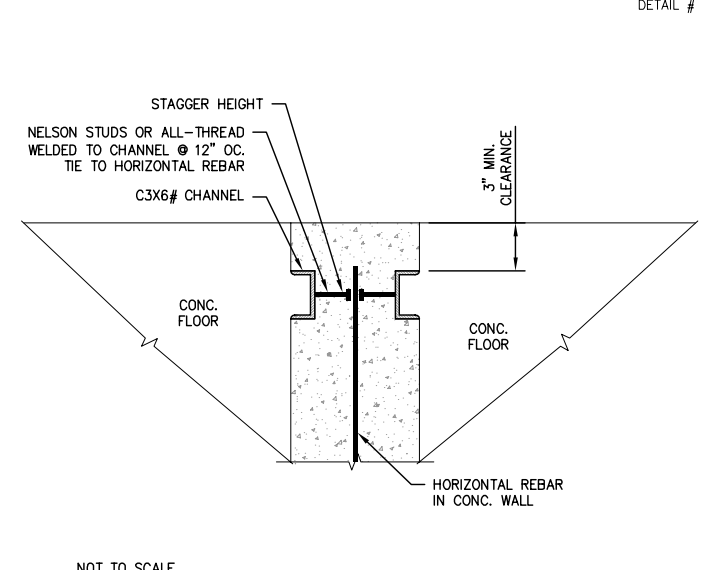
**CONCRETE CATWALK**

3  
85



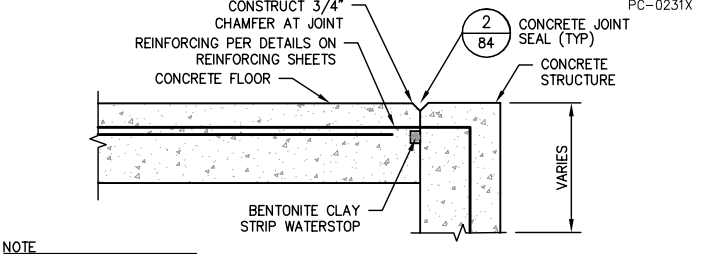
**CONCRETE PIPE TO HEADWALL CONNECTION**

4  
85



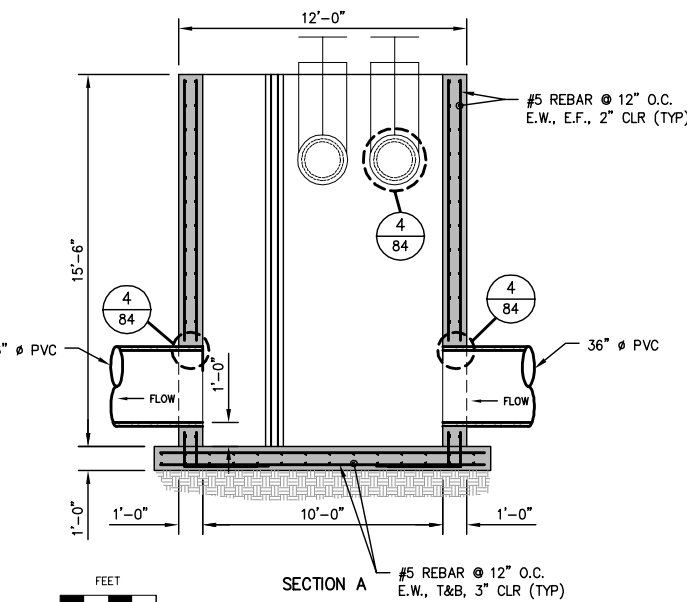
**WEIR BOARD CHANNEL**

5  
85



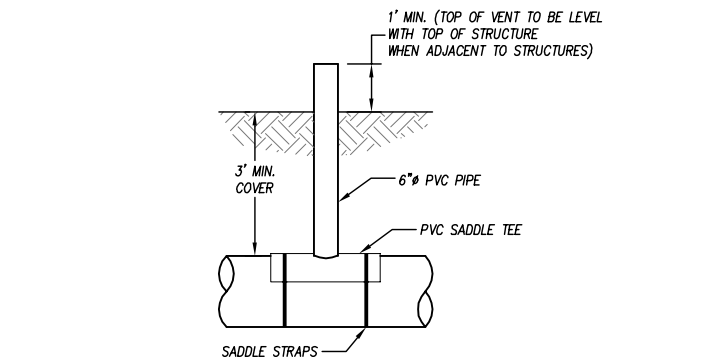
**STRUCTURE TO FLOOR WATERSTOP**

6  
85



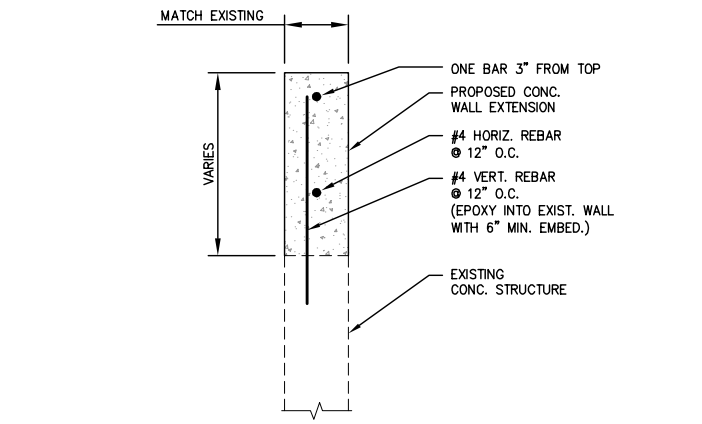
**RD 80 JUNCTION BOX**

7  
85



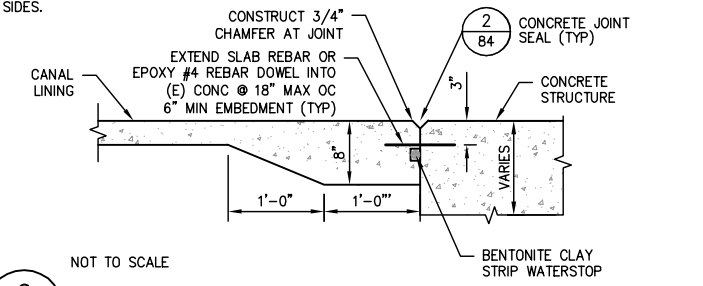
**PVC AIR VENT**

8  
85



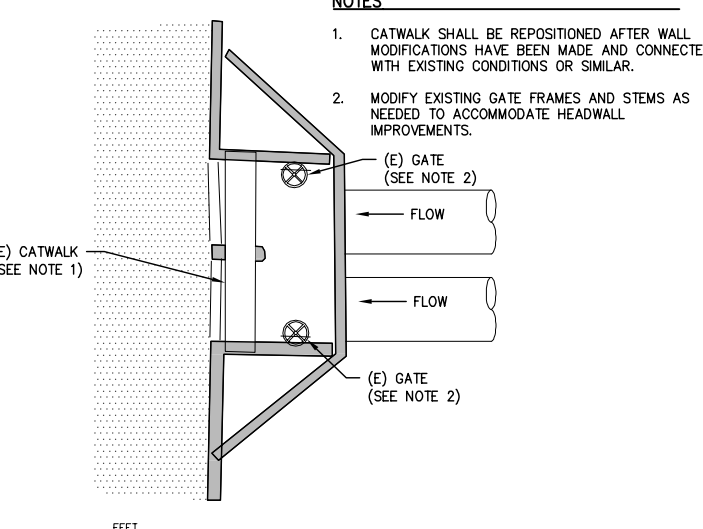
**WALL EXTENSION REINFORCING**

9  
85



**STRUCTURE TO FLOOR/LINING CONNECTION WITH DOWELS**

6  
85

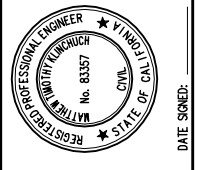


**CATWALK MODIFICATION DETAIL**

10  
85

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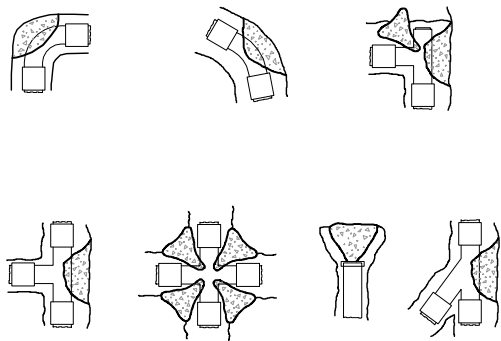
LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
DETAILS

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An Employee Owned Company  
130 NORTH GARDEN STREET  
VISALIA, CALIFORNIA 93291-6882  
559/636-1166 FAX 559/636-1177  
www.ppginc.com

DESIGN ENGINEER: MATT KLINCHUCH  
LICENSE NO: 83357  
DRAFTED BY: CBC  
CHECKED BY: MTK  
DATE: 01/26/2022  
JOB NO: 315920002  
PROJECT NO: 315920002  
PHASE: DES

ORIGINAL SCALE SHOWN IS ONE INCH, ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET 85 OF 86

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MAX INTERNAL PRESSURE (PSI)		50			
SOIL BEARING PRESSURE (PSF)		1500			
SAFETY FACTOR		1			
MINIMUM BEARING AREA (SF)					
PIPE SIZE	DEAD END OR TEE	90° BEND	45° BEND	22.5° BEND	11.25° BEND
3	0.2	0.3	0.2	0.1	0.0
4	0.4	0.6	0.3	0.2	0.1
6	0.9	1.3	0.7	0.4	0.2
8	1.7	2.4	1.3	0.7	0.3
10	2.6	3.7	2.0	1.0	0.5
12	3.8	5.3	2.9	1.5	0.7
16	6.7	9.5	5.1	2.6	1.3
18	8.5	12.0	6.5	3.3	1.7
20	10.5	14.8	8.0	4.1	2.1
24	15.1	21.3	11.5	5.9	3.0
30	23.6	33.3	18.0	9.2	4.6
36	33.9	48.0	26.0	13.2	6.7
42	46.2	65.3	35.3	18.0	9.1
48	60.3	85.3	46.2	23.5	11.8

NOTES

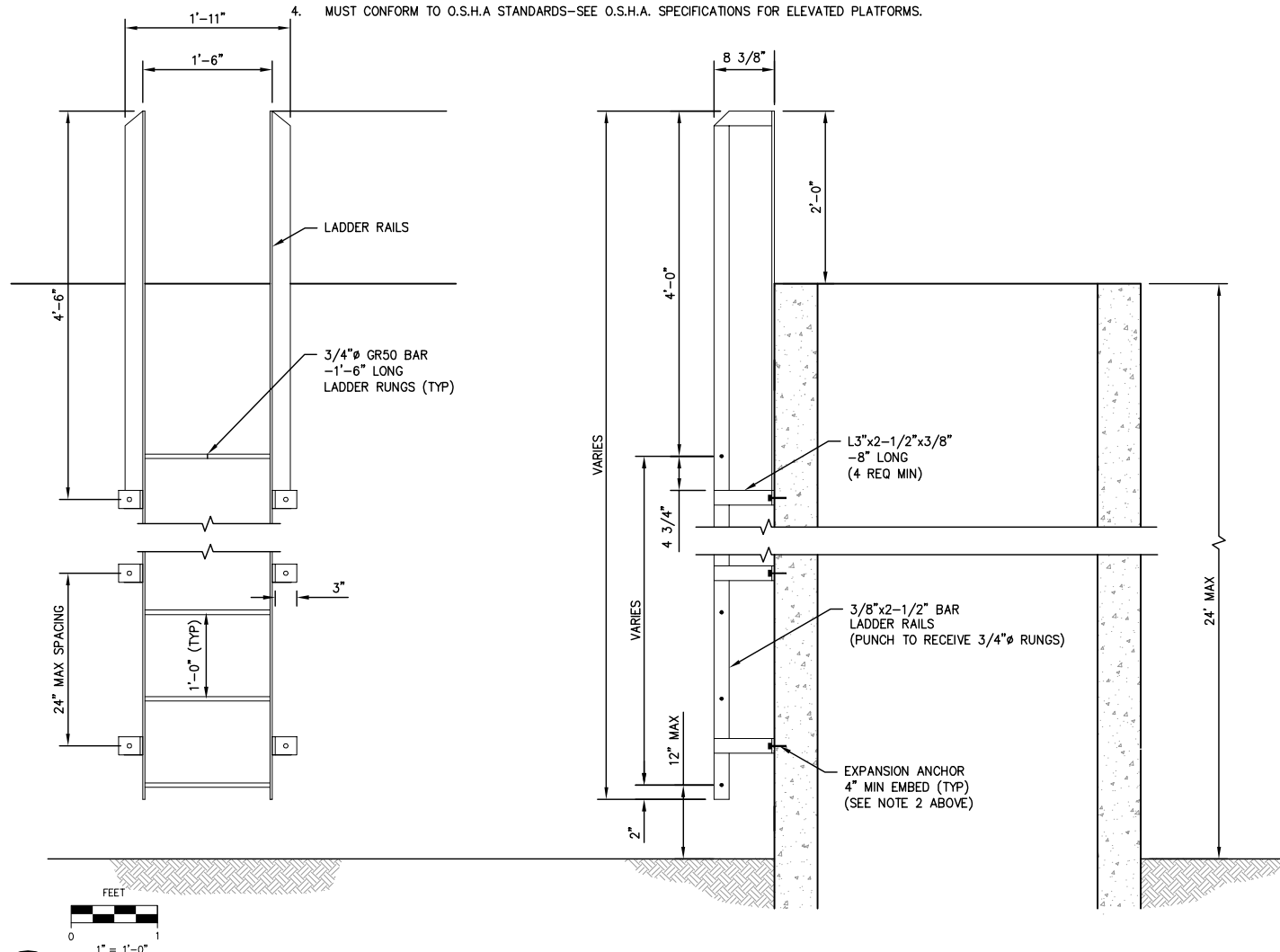
- ALL FITTINGS TO BE WRAPPED IN 4 MIL VISQUEEN.
- CONCRETE SHALL NOT ENCROACH ON END FITTINGS.
- CONCRETE SHALL BEAR AGAINST UNDISTURBED SOIL.
- CONCRETE TO HAVE ULTIMATE STRENGTH OF 3000 PSI @ 28 DAYS.

THRUST BLOCKS

1/86

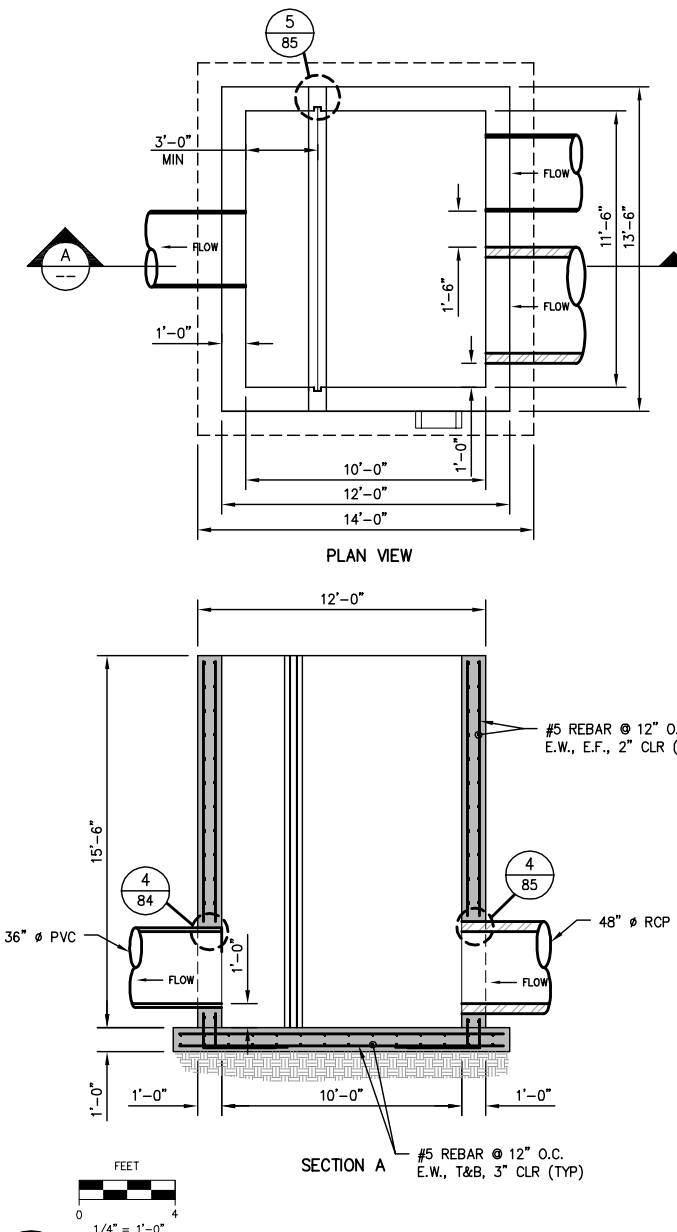
CONSTRUCTION NOTES

- ALL METAL SURFACES TO BE HOT-DIP GALVANIZED OR BRUSH PAINTED WITH:  
PRIMER: SHERWIN WILLIAMS MACROPOXY 646 FC EPOXY B58-600 OR APPROVED EQUIVALENT  
FINISH COAT: SHERWIN WILLIAMS SHERCRYL HI PERFORMANCE ACRYLIC GLOSS B66-300 OR APPROVED EQUIVALENT
- ALL CONNECTIONS SHALL BE WELDED. WELDS SHALL BE GROUND SMOOTH AND WIRE BRUSHED CLEAN. ALL WELDS TO BE 1/4" CONTINUOUS FILLET.
- ATTACH TO CONCRETE STRUCTURE WITH 5/8"Ø EXPANSION ANCHOR (TYP) PER MANUFACTURER SPECIFICATIONS.
- MUST CONFORM TO O.S.H.A STANDARDS-SEE O.S.H.A. SPECIFICATIONS FOR ELEVATED PLATFORMS.



STRUCTURE LADDER

2/86

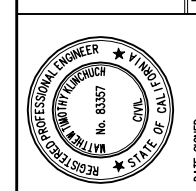


RD 84 JUNCTION BOX

3/86

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LATERAL 4 CANAL PROJECT  
PIXLEY IRRIGATION DISTRICT  
TULARE COUNTY  
DETAILS  
DATE SIGNED: 1/26/2022  
BY: MTK  
REVISION: 1  
DATE: 1/26/2022

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DESIGN ENGINEER:  
MATT KLINCHUCH  
LICENSE NO:  
83357

DRAFTED BY: CBC  
CHECKED BY: MTK

DATE: 01/26/2022

JOB NO: 315920002

PROJECT NO: 315920002

PHASE: DES

0 1" = 1" SCALE  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET 86 OF 86

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