

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

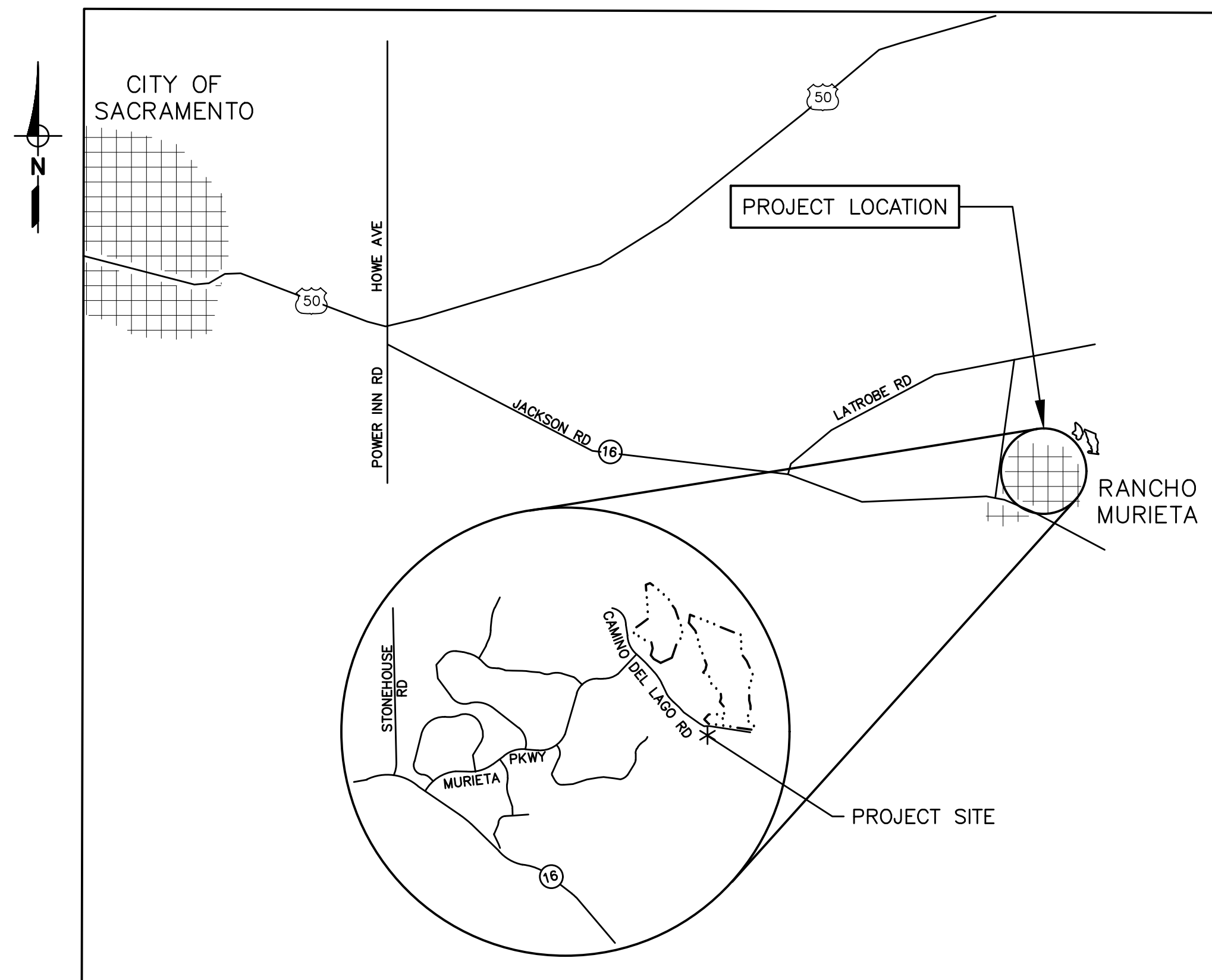
RANCHO MURIETA, CALIFORNIA

LIFT STATION 3B REHABILITATION

JUNE 2023

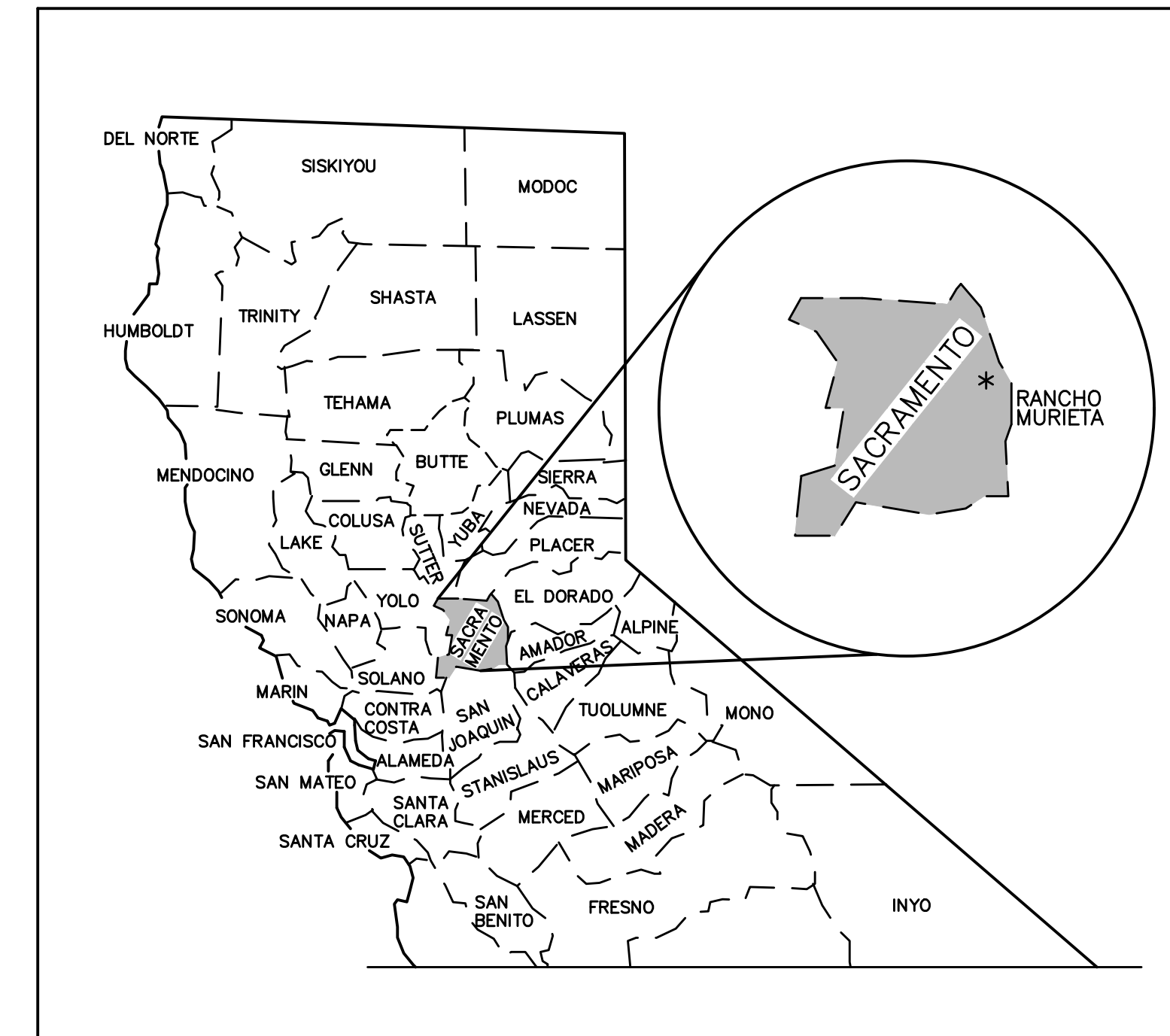
INDEX OF DRAWINGS

DWG	SHEET	TITLE
G1	1	COVER SHEET
G2	2	GENERAL NOTES, ABBREVIATIONS & SYMBOLS
C1	3	DEMOLITION PLAN AND SECTION
C2	4	RENOVATION PLAN AND SECTION
C3	5	DETAILS



LOCATION MAP

NOT TO SCALE



VICINITY MAP

NOT TO SCALE

APPROVED ON _____

RESOLUTION NO. _____

RANCHO MURIETA COMMUNITY SERVICES DISTRICT

DATE _____

DOMENICHELLI & ASSOCIATES

DATE _____

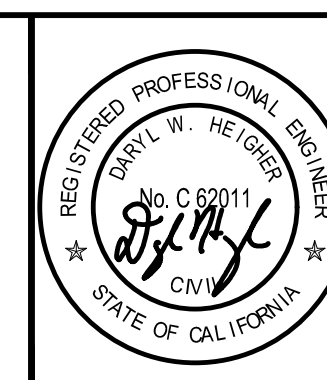
Z:\RM-ONCALL 3-21 TO 3-24\RM-031 LIFT STATION UPGRADES\DWGS\LIFT STATION 3B\X-RMCSD BDR.DWG

REVISIONS				
REV	DESCRIPTION	DATE	BY	CHKD

WARNING
 0 1"
 AT FULL SCALE
 (IF BAR IS NOT 1" - SCALE ACCORDINGLY)

DESIGNED: D. HEIGHER
 DRAWN: J. CADE
 CHECKED: J. DOMENICHELLI
 DATE: JUNE 2023

DOMENICHELLI & ASSOCIATES
 Domenichelli & Associates
 5180 Golden Foothill Pkwy, Suite 220 Ph: (916) 933-1997
 El Dorado Hills, CA 95762 Fax: (916) 933-4778



Rancho Murieta
 Community Services District

15160 Jackson Road, Rancho Murieta
 (916) 354 3700

RANCHO MURIETA COMMUNITY SERVICES
 LIFT STATION 3B REHABILITATION

COVER SHEET

DRAWING NUMBER	G1
FILENAME	
RLWD FILE NO.	

GENERAL NOTES

- WORK INCLUDED (BUT NOT LIMITED TO):
 - ALL WORK SHALL CONFORM TO THE APPLICABLE LOCAL, STATE AND FEDERAL CODES AND SPECIFICATIONS INCLUDING OSHA.
 - IT IS THE CONTRACTORS RESPONSIBILITY TO ASSURE JOB SAFETY. LOCAL, STATE AND FEDERAL, INCLUDING OSHA, LAWS AND RULES SHALL BE ENFORCED BY THE CONTRACTOR AT ALL TIMES.
 - THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA), (800) 642-2444, 48 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL ALSO NOTIFY ALL OTHER UTILITIES, NOT IN USA, 48 HOURS PRIOR TO ANY EXCAVATION.
 - ALL STRUCTURES AND FACILITIES DAMAGED BY CONTRACTOR SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.
- PUBLIC SAFETY AND TRAFFIC CONTROL PLAN SHALL BE PROVIDED IN ACCORDANCE WITH THE GENERAL SPECIFICATIONS. SAFE VEHICULAR AND OPERATION STAFF ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
- EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND SACRAMENTO COUNTY BMPS.
- THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE IMPROVEMENT PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE DISTRICT CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UNDERGROUND UTILITIES NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ACTUAL LOCATIONS.
- ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTIFY THE DISTRICT CONSTRUCTION INSPECTION SUPERVISOR AT (916) 354-3700 48 HOURS PRIOR TO INTENDED START OF WORK TO ARRANGE A PRE-CONSTRUCTION FIELD MEETING AND SHALL VERIFY AT THIS TIME THAT THE INSPECTOR HAS RECEIVED COPIES OF THE APPROVED PLANS. NO CONSTRUCTION MAY BE DONE PRIOR TO THIS MEETING.
- COMPLIANCE WITH NOISE RESTRICTIONS IS REQUIRED. HOURS OF CONSTRUCTION OPERATION SHALL BE LIMITED FROM 7:00 A.M. TO 6:00 P.M. WEEKDAYS. NO SATURDAY WORK SHALL BE ALLOWED UNLESS APPROVED BY THE DISTRICT. NO SUNDAY WORK IS APPROVED. CONSTRUCTION EQUIPMENT SHALL BE MUFFLED AND SHROUDED TO MINIMIZE NOISE LEVELS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- NO REFUELING, LUBRICATION, OR MAINTENANCE OF CONSTRUCTION VEHICLES SHALL BE DONE ANYWHERE ON THE SITE EXCEPT WITHIN APPROVED CONSTRUCTION STAGING AREAS.
- PRIOR TO COMMENCEMENT OF ANY WORK SHOWN ON THESE PLANS LOCATED WITHIN EXISTING PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM SACRAMENTO COUNTY PLANNING, INSPECTION, AND PERMITTING DEPARTMENT. THE CONTRACTOR WILL BE REQUIRED TO POST A PERFORMANCE BOND AND PROVIDE PROOF OF INSURANCE NAMING THE DISTRICT AS ADDITIONALLY INSURED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DRAINING AND CLEANING OF THE EXISTING WET WELL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR BYPASSING SEWAGE FLOW AROUND THE WORK SITE. 100 GALLONS PER MINUTE AT 35 FT. OF HEAD.

ARCHAEOLOGY NOTE

SHOULD ANY CULTURAL RESOURCES, SUCH AS STRUCTURAL FEATURES, UNUSUAL AMOUNTS OF BONE OR SHELL, ARTIFACTS, HUMAN REMAINS, OR ARCHITECTURAL REMAINS BE ENCOUNTERED DURING ANY DEVELOPMENT ACTIVITIES, WORK SHALL BE SUSPENDED AND THE OWNER SHALL BE NOTIFIED IMMEDIATELY. CONTRACTOR SHALL COMPLY WITH ALL CONTRACT REQUIREMENTS FOR PROTECTION OF CULTURAL AND ARCHITECTURAL RESOURCES.

CONSTRUCTION WATER

ALL CONSTRUCTION WATER TO BE OBTAINED FROM AN APPROVED LOCATION BY RANCHO MURIETA COMMUNITY SERVICES DISTRICT.

LEGEND & SYMBOLS

	FLANGED JOINT		POWER/TELEPHONE
	MECHANICAL JOINT		WATER SERVICE REGULATOR OR WATER METER
	WELDED JOINT		FIRE HYDRANT
	BELL & SPIGOT JOINT (LEADED)		LIGHT POLE
	BALL JOINT		SIGN
	GROOVED END JOINT		PROPERTY LINE
	FLANGED COUPLING ADAPTER		EXISTING SEWER
	FLEXIBLE COUPLING		NEW SEWER
	FLEXIBLE COUPLING WITH THRUST TIES		EXISTING NON-POTABLE WATER LINE
	STEEL BELLOWS EXP JOINT		NEW NON-POTABLE WATER LINE
	ELASTOMER BELLOWS EXP JOINT		WATER LINE
	ELBOW UP		MANHOLE
	ELBOW DOWN		THRUST BLOCK
	TEE UP		CATCH BASIN
	TEE DOWN		FENCE
	LATERAL UP		GAS LINE
	LATERAL DOWN		TELEPHONE CONDUIT
	ELBOW 90°		ELECTRICAL CONDUIT
	CROSS		CONTOUR ELEVATION
	TEE		POINT ELEVATION
	ELBOW 45°		SLOPE
	LATERAL		TREES OR SHRUBBERY
	CONCENTRIC REDUCER		LANDSCAPED AREA
	ECCENTRIC REDUCER		TEST BORING LOCATION AND NO.
	UNION		EXISTING BUILDING
	CAP (WELDED)		NEW BUILDING
	TRAP		CONCRETE PAVEMENT
	VENT		ASPHALT PAVEMENT
	WYE		DRAINAGE COURSE OR FLOW LINE
	BURIED VALVE W/ BOX		EXISTING GROUND CONTOUR
	BALL VALVE		FINISH GRADE CONTOUR
	BUTTERFLY VALVE		STRUCTURAL CONTINUATION
	CHECK VALVE		CONCRETE
	DIAPHRAGM VALVE		GROUT
	GATE VALVE		ROAD BASE
	PUMP CONTROL VALVE		DRAIN GRAVEL OR GRANULAR MATERIAL
	PRESSURE RELIEF VALVE		COARSE BASE ROCK
	PLUG VALVE		FINISHED WOOD
	3 WAY VALVE		ROUGH WOOD, CONTINUOUS
	4 WAY VALVE		INSULATION
	VACUUM RELIEF VALVE		MASONRY BLOCK
	BACKFLOW PREVENTER		EARTH OR GRADE
	BLIND FLANGE		EARTH FILL
	DOUBLE MECHANICAL JOINT		CHECKERED PLATE
	PVC JOINT		GRATING
	EXPANSION COUPLING		STEEL
	PIPE CONTINUATION		PIPE SUPPORTS
	PIPE CONTINUATION, END VIEW		CONDUIT
	CLEAN OUT		PUMP, CENTRIFUGAL
	DRAIN OR BELL-UP		PUMP, VARIABLE SPEED
	FILTER		PUMP, PROGRESSIVE CAVITY
	FLEXIBLE HOSE OR TUBING		SLEEVE
	FLOWMETER		STRAINER
	FLOWTUBE		WATER SERVICE
	FREE SURFACE		
	GAGE, PRESSURE (W/COCK)		
	HOSE BIBB 3/4" W/HOSE THREAD		
	YARD HYDRANT, FREEZE PROOF		
	HOSE CONNECTION		
	HOSE RACK		
	ORIFICE PLATE		
	PUMP, CENTRIFUGAL		
	PUMP, VARIABLE SPEED		
	PUMP, PROGRESSIVE CAVITY		
	SLEEVE		
	STRAINER		
	WATER SERVICE		

ABBREVIATIONS

@	AT	L	ANGLE
A.C.	ASPHALT CONCRETE	LB	POUNDS
A.B.	AGGREGATE BASE	LF.	LINEAR FEET
ARV	AIR RELEASE VALVE	LT.	LEFT
		LR	LONG RADIUS
BF	BLIND FLANGE	MAX.	MAXIMUM
BFV	BUTTERFLY VALVE	MECH	MECHANICAL
BLDG	BUILDING	MFR.	MANUFACTURER
B.M.	BENCH MARK	MH	MANHOLE
BOF	BOTTOM OF FLANGE	MIN.	MINIMUM
BOF*	BOTTOM OF FLANGE, NOT INCLUDING BOLTS	MISC.	MISCELLANEOUS
BOP	BOTTOM OF PIPE	MJ	MECHANICAL JOINT
BOS	BOTTOM OF STAIRS	MO	MASONRY OPENING
BW	BACKWASH WATER		
		(N)	NEW
CIP	CAST IN PLACE	NO, OR #	NUMBER
CLG	CEILING	NTS	NOT TO SCALE
CLR	CLEAR		
CL	CENTERLINE	O.C.	ON CENTER
CMP	CORRUGATED METAL PIPE	OF	OVERFLOW
CO	CLEANOUT	OZ	OUNCE
CONC.	CONCRETE		
CONT.	CONTINUOUS	P.E.	PLAIN END
CPLG	COUPLING	PL.	PLATE (STEEL)
C TO C	CENTER TO CENTER	PLYWD	PLYWOOD
CV	CHECK VALVE	PRESS.	PRESSURE
		PL	PROPERTY LINE
d	PENNY (NAIL SIZE)	P.S.I.	POUND PER SQUARE INCH
DET	DETAIL	PW	POTABLE WATER
DIA	DIAMETER		
DIP	DUCTILE IRON PIPE	R, OR RAD.	RADIUS
DWG	DRAWING	RD.	REDUCER
		RDCR	REDUCER
(E)	EXISTING	RDW	REDWOOD
EA	EACH	RED	REDUCER
ECC	ECCENTRIC	RM	ROOM
EG	EXISTING GRADE	RO	ROUGH OPENING
EL	ELEVATION	RTN	RETURN
ELB	ELBOW	RV	ROOF FENT
ELEC	ELECTRIC, ELECTRICAL	R/W	RIGHT-OF-WAY
ESEW	EMERGENCY SHOWER & EYEWASH		
EW	EACH WAY	SCHED.	SCHEDULE
EXH	EXHAUST	SEC.	SECTION
EX OR EXST.	EXISTING	SH	SHEET
		SHT'G	SHEATHING
FC	FLEXIBLE COUPLING	SPEC.	SPECIFICATIONS
FCA	FLANGED COUPLING ADAPTER	SQ	SQUARE
FCTRY	FACTORY	SST	STAINLESS STEEL
FD	FLOOR DRAIN	STA.	STATION
FDN	FOUNDATION	STD	STANDARD
FF	FINISH FLOOR	STL	STEEL
FG	FINISH GRADE	STRL	STRUCTURAL
FIG.	FIGURE	STRUCT	STRUCTURE
FL	FLOOR		
FLG	FLANGE	TAN	TANGENT
FL	FLOW LINE	TARV	TOP OF AIR RELEASE VALVE
FM	FORCE MAIN	TBG	TUBING
FT.	FOOT OR FEET	TECH	TECHNICAL
FTG.	FOOTING	TEMP	TEMPERATURE
		THD	THREAD
GA.	GAGE	TOC	TOP OF CURB
GAL.	GALLON	TOG	TOP OF GRATE
GALV.	GALVANIZED	TOP	TOP OF PIPE
GV	GATE VALVE	TOR	TOP OF ROCK
		TOW	TOP OF WALL
HDW	HARDWARE	TYP.	TYPICAL
HORIZ	HORIZONTAL	TW	TREATED WATER
HP	HORSEPOWER		
HR	HOSE RACK	UBC	UNIFORM BUILDING CODE
		UNO	UNLESS NOTED OTHERWISE
IE	INVERT ELEVATION	V	
IN.	INCH	VAC	VACUUM
INSUL	INSULATION	VTR	VENT THRU ROOF
INV.	INVERT		
		WM	WATER METER
JT.	JOINT	WW	WASTE WATER
KIP	THOUSAND POUNDS		
KW	KILOWATT		

Z:\RM-ONCALL 3-21 TO 3-24\RM-031 LIFT STATION UPGRADES\DWGS\LIFT STATION 3BX-RM-CSD BDR.DWG

REVISIONS				
REV	DESCRIPTION	DATE	BY	CHKD

WARNING

0 1"

AT FULL SCALE

(IF BAR IS NOT 1" - SCALE ACCORDINGLY)

DESIGNED: D. HEIGHER

DRAWN: J. CADE

CHECKED: J. DOMENICHELLI

DATE: JUNE 2023

DOMENICHELLI & ASSOCIATES

Domenicelli & Associates
5180 Golden Foothill Pkwy, Suite 220 Ph: (916) 933-1997
El Dorado Hills, CA 95762 Fax: (916) 933-4778



Rancho Murieta
Community Services District

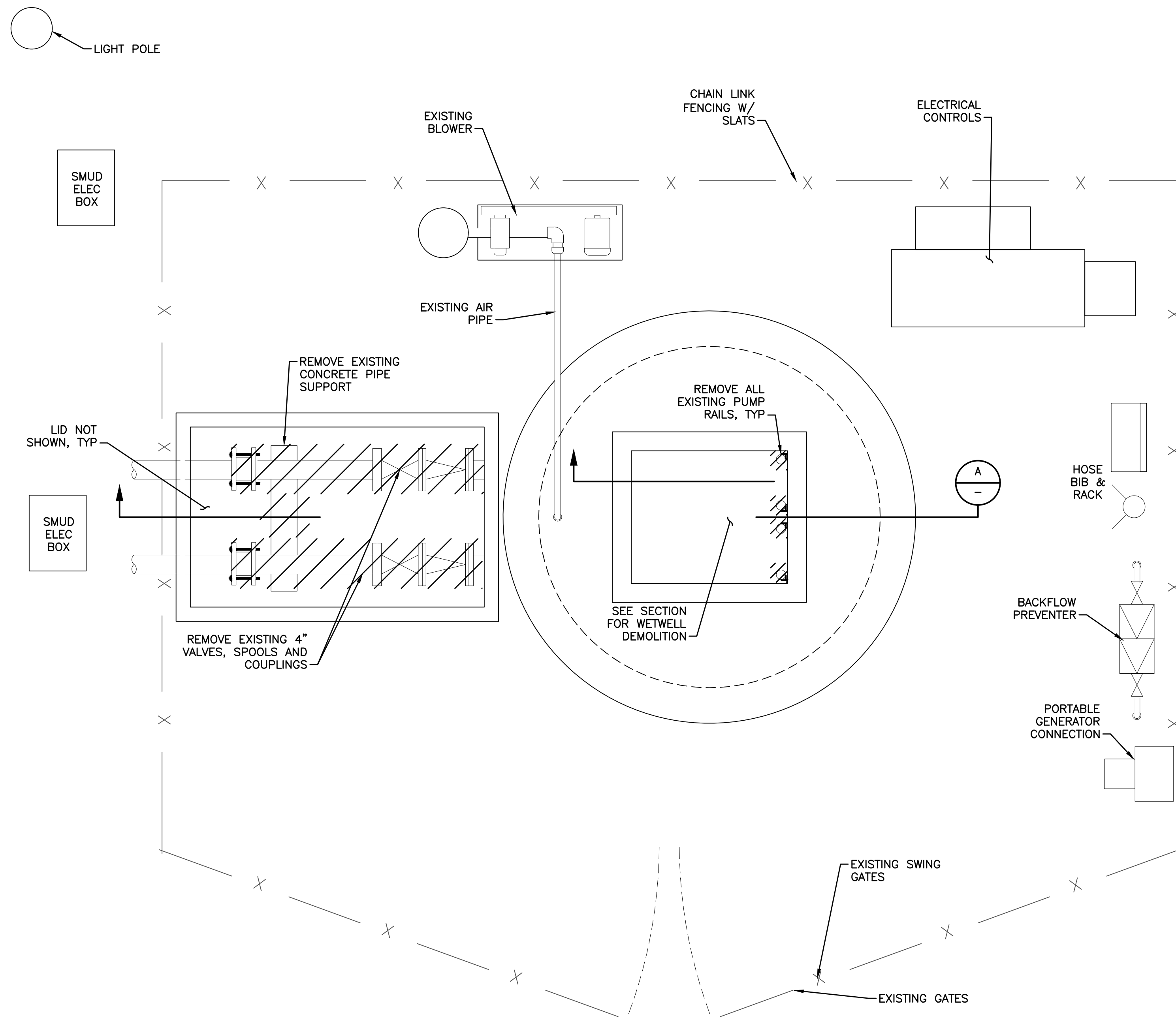
15160 Jackson Road, Rancho Murieta
(916) 354 3700

RANCHO MURIETA COMMUNITY SERVICES
LIFT STATION 3B REHABILITATION

**GENERAL NOTES,
ABBREVIATIONS & SYMBOLS**

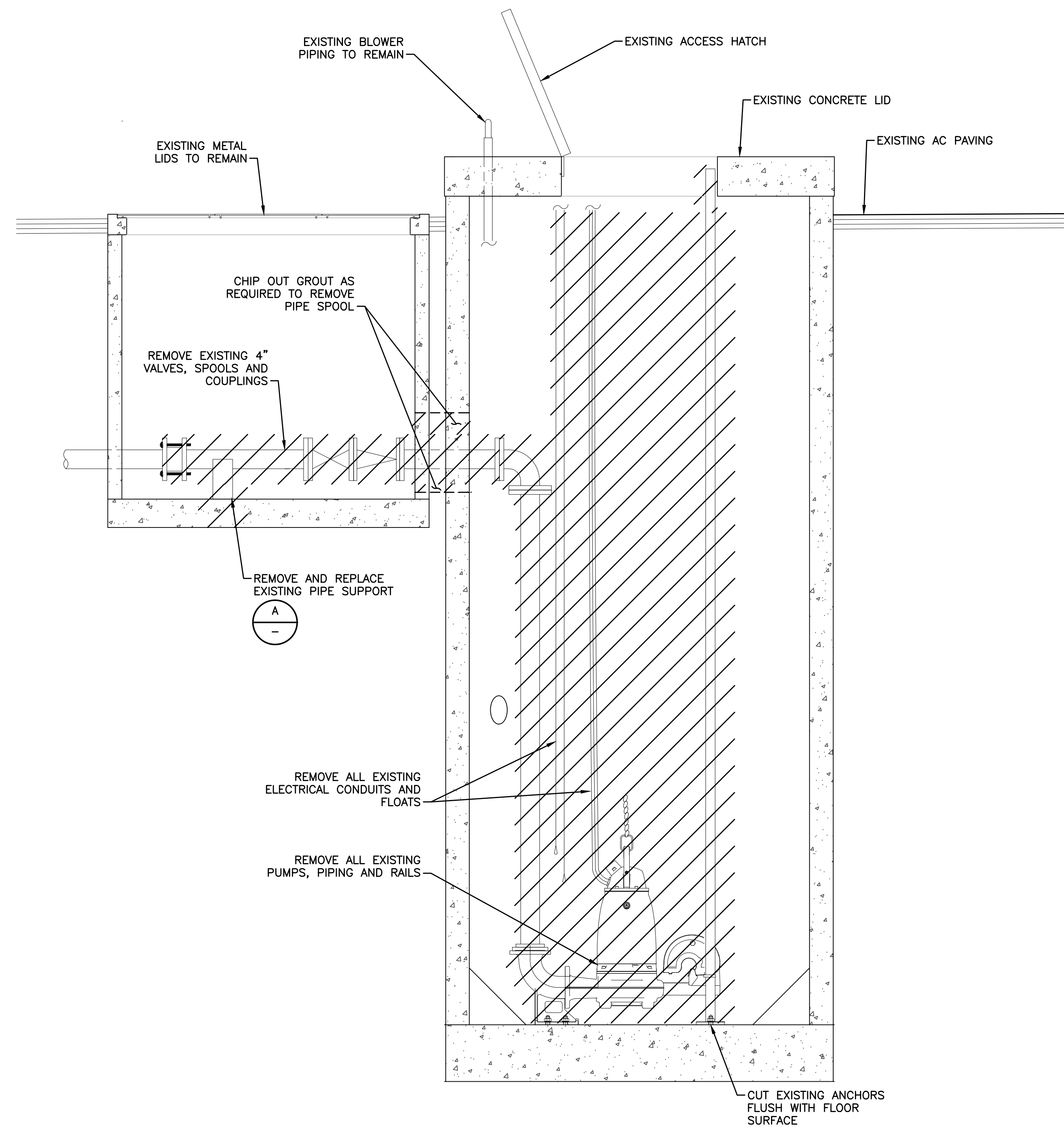
DRAWING NUMBER	G2
FILENAME	
RLWD FILE NO.	

Z:\RM-ONCALL 3-21 TO 3-24\RM-031 LIFT STATION UPGRADES\DWGS\LIFT STATION 3B\3B SITE.DWG



DEMOLITION PLAN
SCALE: 3/4" = 1'-0"

- NOTES:**
- CONTRACTOR SHALL DRAIN AND CLEAN EXISTING WET WELL.
 - CONTRACTOR SHALL PROVIDE A MEANS TO PUMP SEWAGE AROUND THE WORK SITE, 100 GALLON PER MINUTE AT 35ft OF HEAD. PROVIDE A PUMPING PLAN FOR DISTRICT APPROVAL PRIOR TO STARTING WORK.



DEMOLITION SECTION A-A
SCALE: 3/4" = 1'-0"

REVISIONS				
REV	DESCRIPTION	DATE	BY	CHKD

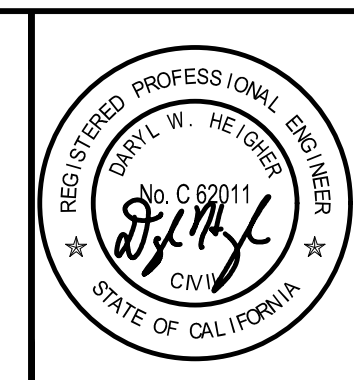
WARNING

0 1"
AT FULL SCALE
(IF BAR IS NOT 1" - SCALE ACCORDINGLY)

DESIGNED: D. HEIGHER
DRAWN: J. CADE
CHECKED: J. DOMENICHELLI
DATE: JUNE 2023

DOMENICHELLI & ASSOCIATES

Domenicelli & Associates
5180 Golden Foothill Pkwy, Suite 220 Ph: (916) 933-1997
El Dorado Hills, CA 95762 Fax: (916) 933-4778



Rancho Murieta
Community Services District

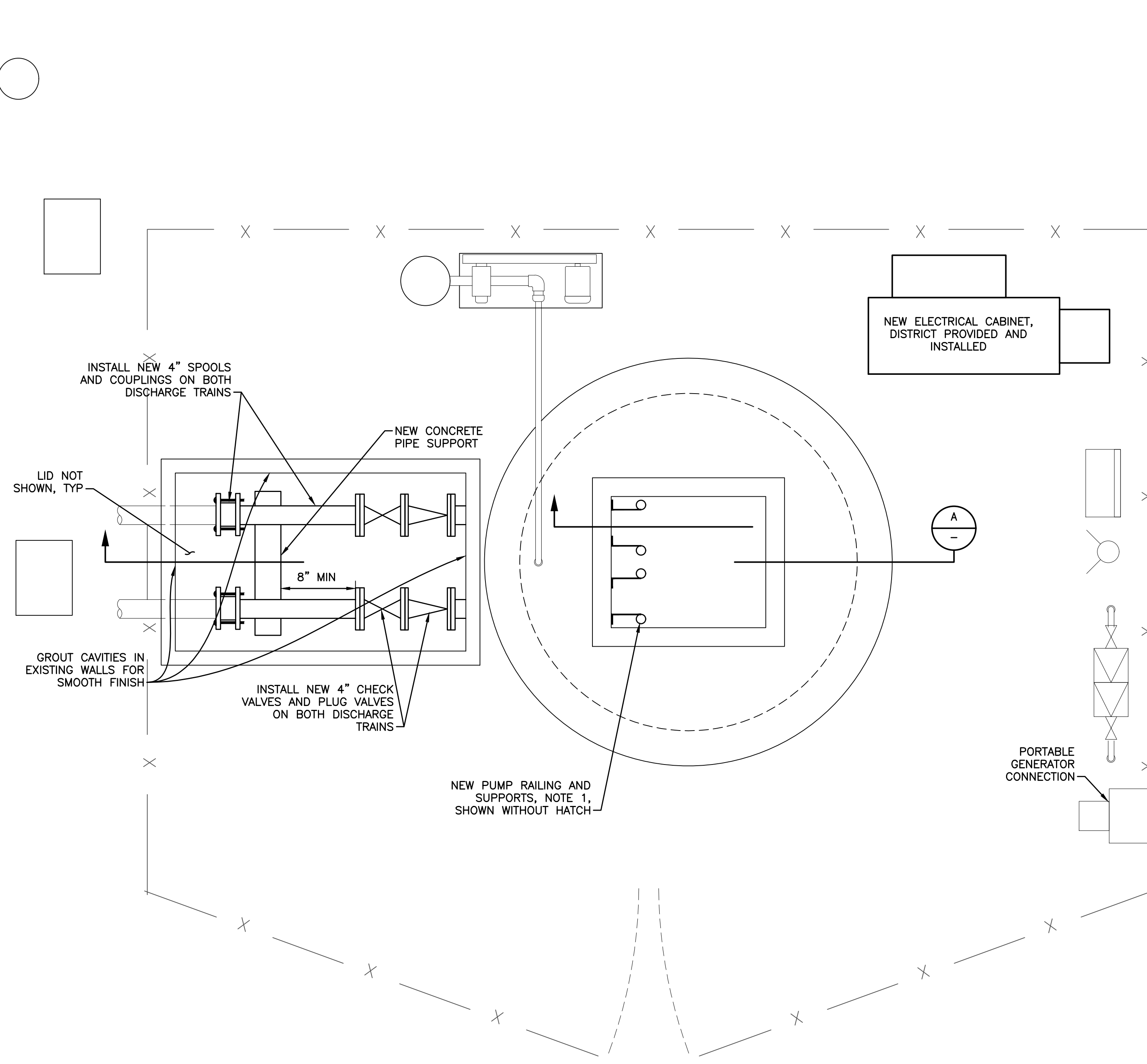
15160 Jackson Road, Rancho Murieta
(916) 354 3700

RANCHO MURIETA COMMUNITY SERVICES
LIFT STATION 3B REHABILITATION

DEMOLITION PLAN & SECTION

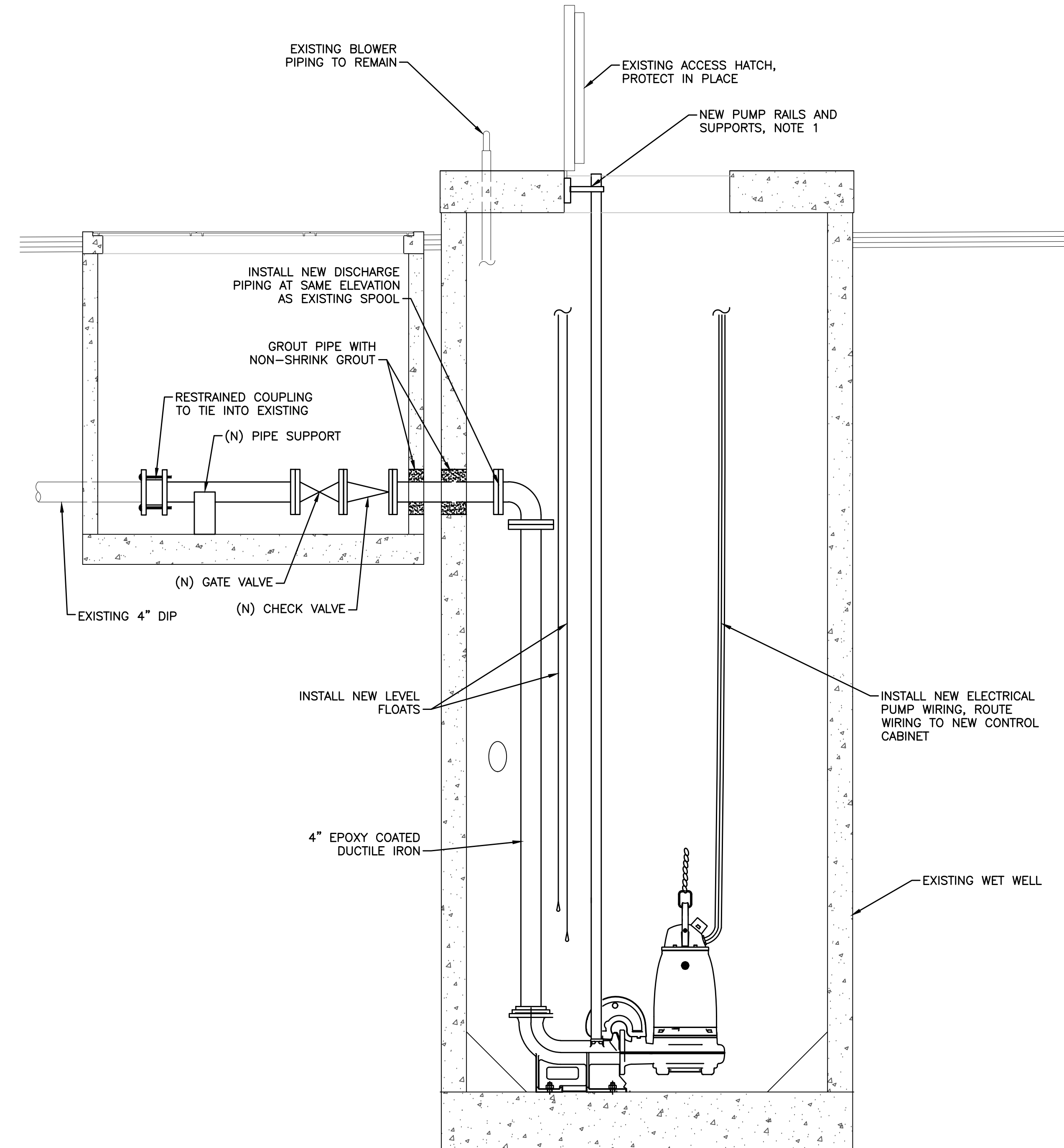
DRAWING NUMBER	C1
FILENAME	
RLWD FILE NO.	

Z:\RM-ONCALL 3-21 TO 3-24\RM-031 LIFT STATION UPGRADES\DWGS\LIFT STATION 3B\3B SITE.DWG



DEMO PLAN
SCALE: 3/4" = 1'-0"

- NOTES:**
- CONTRACTOR SHALL INSTALL NEW PUMP RAILS TO AVOID CONFLICTS BETWEEN THE PUMP MOUNTS, GUIDES AND EXISTING HATCH.



DEMO SECTION A
SCALE: 3/4" = 1'-0"

REVISIONS				
REV	DESCRIPTION	DATE	BY	CHKD

WARNING

0 1"
AT FULL SCALE
(IF BAR IS NOT 1" - SCALE ACCORDINGLY)

DESIGNED: D. HEIGHER
DRAWN: J. CADE
CHECKED: J. DOMENICHELLI
DATE: JUNE 2023

DOMENICHELLI & ASSOCIATES

Domenichelli & Associates
5180 Golden Foothill Pkwy, Suite 220 Ph: (916) 933-1997
El Dorado Hills, CA 95762 Fax: (916) 933-4778



Rancho Murieta
Community Services District

15160 Jackson Road, Rancho Murieta
(916) 354 3700

RANCHO MURIETA COMMUNITY SERVICES
LIFT STATION 3B REHABILITATION

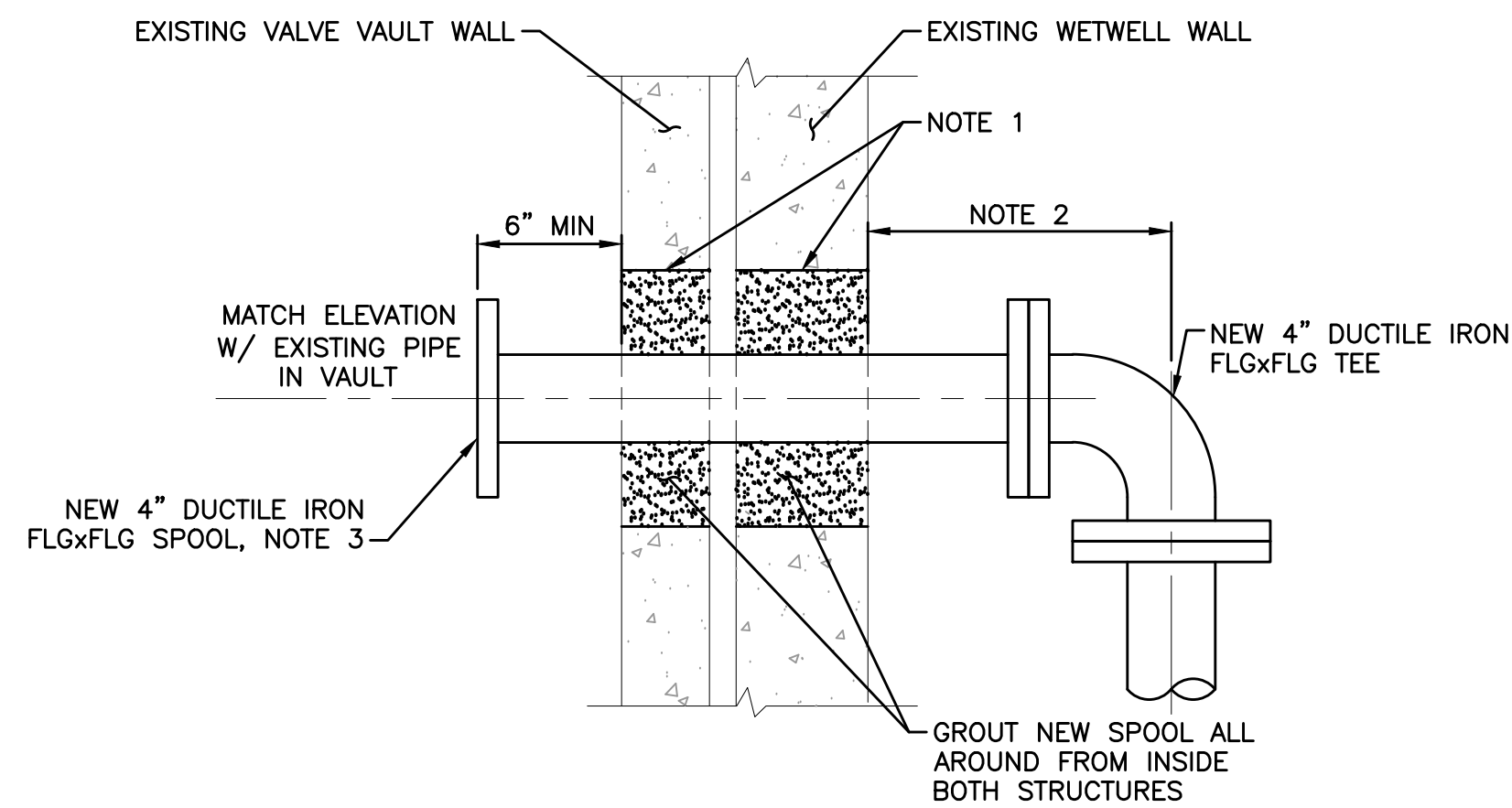
RENOVATION PLAN & SECTION

DRAWING NUMBER
C2

FILENAME

RLWD FILE NO.

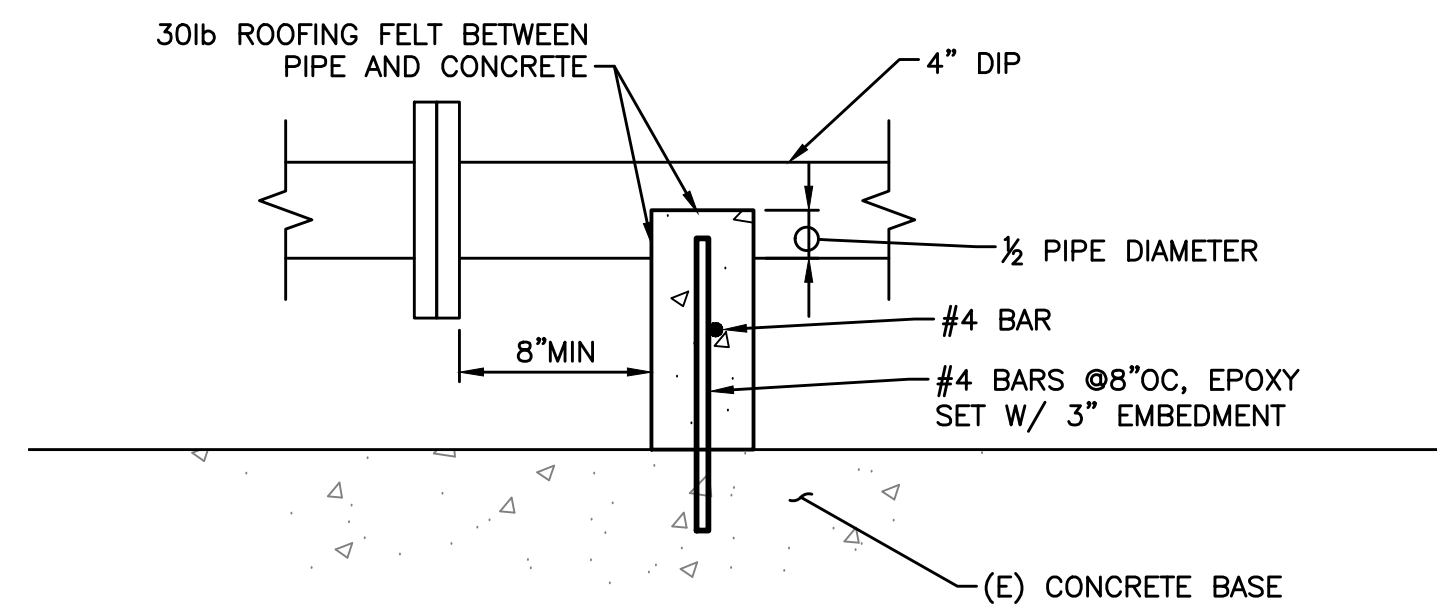
Z:\RM-ONCALL 3-21 TO 3-24\RM-031 LIFT STATION UPGRADES\DWGS\LIFT STATION 3B\3B DET.DWG



NOTES:

1. REMOVE EXISTING CONCRETE AND GROUT AS REQUIRED TO REMOVE EXISTING SPOOL.
2. NEW SPOOL LENGTH SHALL BE DETERMINED BY LOCATION OF VERTICAL DISCHARGE AT THE NEW PUMP AND NEW 90° FITTING.
3. THE NEW CHECK VALVE WILL BE INSTALLED AT THIS FLANGE. SEE DWG. C2 FOR OTHER VALVES AND SPOOLS.

WALL PENETRATION DETAIL 1
NTS



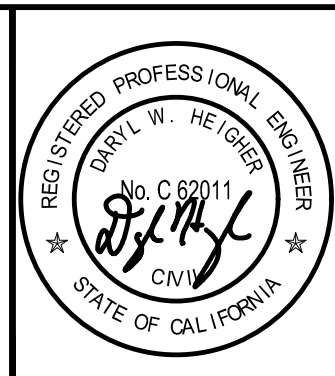
CONCRETE PIPE SUPPORT DETAIL 2
NTS

REVISIONS				
REV	DESCRIPTION	DATE	BY	CHKD

WARNING
0 1"
AT FULL SCALE
(IF BAR IS NOT 1" - SCALE ACCORDINGLY)

DESIGNED: D. HEIGHER
DRAWN: J. CADE
CHECKED: J. DOMENICHELLI
DATE: JUNE 2023

DOMENICHELLI & ASSOCIATES
Domenichelli & Associates
5180 Golden Foothill Pkwy, Suite 220 El Dorado Hills, CA 95762
Ph: (916) 933-1997 Fax: (916) 933-4778



Rancho Murieta
Community Services District
15160 Jackson Road, Rancho Murieta (916) 354 3700

RANCHO MURIETA COMMUNITY SERVICES
LIFT STATION 3B REHABILITATION

DETAILS

DRAWING NUMBER	C3
FILENAME	
RLWD FILE NO.	