Central Clear Creek Sanitation

District Manager 303-944-1913

District Engineer 303-477-5915

PO Box 162

Dumont, CO 80436

Application for SEWER TAP PERMIT

PERMI

Tap No.

Date Issued

Receipt No.

IMPORTANT: The Sewer Service Billing shall begin upon sewer tap date or 6 months after payment of the sewer tap (Which ever one item is first) The application must be completed in its entirety before tap permit is issues. **Any missing information will delay processing.**

BUILDING	INFORMA	TION								
	Property Street Address 2700 Stanle Building No.			2700 Stanley Road Idaho Springs, CO				Code Zip Code	80452	
				Unit No.			_	_		
	Name of	Commerci	ial Building	<u> </u>				Plans Attac	he <u>d</u>	
LEGAL DE	SCRIPTION									
	Lot 2 of the romine-benson division an						Plat No.			
					n division a	division and third national millsite				
APPLICAN	IT FOR TAP									
	Applican	ts Full Nan								
	Street Ad	ddress	2700 S	tanley Road				_		
	City		Idaho	Springs	State	CO		Zip Code	80452	
	Home/O	ffice Phone	e		Cell Pho	_{ne} 913.40	06.1701	_		
CONTRAC	TOR CONN	ECTING TH	E TAP							
	Name	Kevin E	Buckley		Phone	303.85	9.8982	-		
TYPE OF 1	TAP	Single Fa	mily Resid	ential		Multifan	nily Family Reside	ntial (# of Dwel	ling Units:)	
FEES		Commer	cial/Indust	rial (Water Tap Size)		_				
	Plant Inv	estment F	ее Тар	\$9,450.00						
	Fee			\$300.00						
	Admin Fe	ee		\$250.00						
	Total			\$10,000.00						
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		ts Signatur		- FWSOT)	<u> </u>	L) 14/10	-		
		ember Sigi						-		
	Board M	ember Sigi	nature							

IDAHO SPRINGS RV PARK LIFT STATION A AND FORCE MAIN

A PORTION OF SECTIONS 28 AND 29, TOWNSHIP 3 SOUTH, RANGE 73 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF CLEAR CREEK STATE OF COLORADO

APRIL 2023



VICINITY MAP NO SCALE

INDEX OF SHEETS

COVER SHEET **GENERAL NOTES**

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LIFT STATION

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LIFT STATION DETAILS

CERTIFICATION

I HEREBY CERTIFY THAT THE ATTACHED PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF COLORADO.

DATE:



CLEAR CREEK VENTURE, LLC 11701 JOHNSON DR SHAWNEE, KS 66203

400 INVERNESS PARKWAY, SUITE 425 ENGLEWOOD, COLORADO, 80112 PH: 303-643-3877 www.kljeng.com



KLJ PROJECT NO. 2214-00994

	LEGEND	
EXISTING	ITEM	PROPOSED
	WATER MAIN	
- de	FIRE HYDRANT	
8	GATE VALVE	
(W)	WATER MANHOLE	
	FORCE MAIN SANITARY SEWER	
	GRAVITY SANITARY SEWER	
(S)	SANITARY MANHOLE	(3)
0	FLUSHING STATION	
0	CLEANOUT	0
	STORM SEWER MAIN	
(ST)	STORM SEWER MANHOLE	
	CURB INLET	
m.	CATCH BASIN	1
	UNDER GROUND ELECTRIC	
	OVERHEAD ELECTRIC	1
40-	POWER POLE	
-	GUY WIRE	
*	LIGHT POLE	7
0	ELECTRICAL JUNCTION BOX	
(0)	ELECTRICAL METER	
00	ELECTRICAL OUTLET/PLUG-IN	
	UNDERGROUND TELEPHONE	
(1)	TELEPHONE MANHOLE	-
m	TELEPHONE PEDESTAL	
	UNDERGROUND CABLE TV	+
0	CABLE TV PEDESTAL	_
-=	GAS LINE	
	FUEL LINE	
(6)	GAS METER	
	GRADING LIMITS	
	CONCRETE CURB & GUTTER	
	EDGE OF ASPHALT SURFACE	
	EDGE OF GRAVEL SURFACE	
1000	BITUMINOUS/CONCRETE SURFACE	
VIIII	BUILDING	
-1-1-	BARB WIRE FENCE	
(A.111111111111111111111111111111111111	CULVERT	
d	SIGN	+

BOLTS FOR FITTING AND JOINT RESTRAINING DEVICES

BOLTS AND NUTS FOR FORCE MAIN FITTING AND JOINT RESTRAINING DEVICES SHALL BE SERIES 300 STAINLESS STEEL

AS-BUILT PLANS

CONTRACTOR SHALL MAINTAIN A SET OF CURRENT AS-BUILT DRAWINGS ON-SITE AND AVAILABLE FOR REVIEW BY THE ENGINEER UPON REQUEST. THE CONTRACTOR SHALL PROVIDE A FINAL SET OF AS-BUILT PLANS TO THE ENGINEER UPON COMPLETION AND APPROVAL OF THE PROJECT CONSTRUCTION.

ASPHALT PAVEMENT REPAIR

PAVEMENT REPAIR SHALL INCLUDE SAW CUTTING, REMOVALS, HAULING, ASPHALT PAVEMENT, BINDER, TACK COAT AND INSTALLATION, PAVEMENT SHALL BE REQUIRED IN ACCORDANCE WITH THE CLEAR CREEK COUNTY REQUIREMENTS AND IN ACCORDANCE WITH PLAN DETAILS.

TRENCH EXCAVATION AND BACKFILL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A SAFE EXCAVATION COMPLYING WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

PROTECTIVE COATINGS

- 1, WET WELL AND VALVE VAULT SHALL BE COATED TO PROTECT STRUCTURES, PIPING, PUMPS AND VALVES FROM SUBMERGENCE AND EXPOSURE TO RAW WASTEWATER. ACCEPTABLE MANUFACTURERS INCLUDE TNEMEC, SHERWIN-WILLIAMS INDUSTRIAL COATINGS, ZEBRON OR APPROVED EQUAL
- 2. SURFACE PREPARATION, APPLICATION MATERIAL AND THICKNESS AND TOUCH-UPS SHALL BE DONE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

GENERAL NOTES:

- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DEPTHS AND LOCATIONS OF PROPOSED UTILITY TIE-INS PRIOR TO INSTALLATION OF ANY PIPING OR APPURTENANCES.
- THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL CONTACT "ONE CALL" AT 800-424-5555
- CONTRACTOR SHALL PROVIDE A ONE (1) WEEK NOTICE TO THE ENGINEER AND OWNER PRIOR TO BEGINNING ANY CONSTRUCTION.
- ANY DISCREPANCY DISCOVERED BY THE CONTRACTOR IN THE PLANS OR PROJECT MANUAL SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER WHEN DISCOVERED. THE CONTRACTOR SHALL ALLOW TIME FOR CLARIFICATION
- REQUESTS BY THE CONTRACTOR OR OWNER SHALL BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO
- THE CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTS. MONUMENTS DISTURBED OR DESTROYED SHALL BE REPLACED BY THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE
- CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND STARTING CONSTRUCTION.
- CONTRACTOR SHALL HIRE A QUALIFIED THIRD PARTY TESTING FIRM TO PERFORM ALL NECESSARY QUALITY CONTROL TESTING AT THEIR EXPENSE, ALL QUALITY CONTROL TESTING RESULTS SHALL BE PROVIDED TO ENGINEER AND OWNER BEFORE ACCEPTANCE OF THE WORK.
- THE OWNER AND ENGINEER RESERVE THE RIGHT TO PROVIDE ADDITIONAL TESTING UPON THEIR OWN DISCRETION: IF NEEDED, THE CONTRACTOR SHALL COOPERATE AND ASSIST THE OWNER AND/OR ENGINEER IN COLLECTION OF ADDITIONAL TESTING SAMPLES: AT A MINIMUM THIS MAY INCLUDE EXCAVATION OF TEST PITS FOR COMPACTION TEST VERIFICATIONS FOR EACH LIFT OF TRENCH BACKFILL, EMBANKMENT MATERIAL OR AGGREGATE BASE MATERIAL. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 24 HOURS NOTICE TO THE OWNER AND ENGINEER, PRIOR TO COVERING WORK, TO ALLOW TIME FOR QUALITY VERIFICATION.
- 10. CONTRACTOR SHALL REMOVE ALL DEBRIS AND HAVE SOIL EROSION CONTROL MEASURE IN PLACE BEFORE CONSTRUCTION STARTS
- ALL UNSUITABLE AND EXCESS EXCAVATED MATERIAL SHALL BE REMOVED AND PROPERLY DISPOSED OFFSITE AT THE CONTRACTOR'S EXPENSE
- AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY AND AT THE EXPENSE OF THE CONTRACTOR TO A CONDITION EQUAL OR BETTER THAN EXISTING, AS APPROVED BY THE ENGINEER OR AUTHORIZED REPRESENTATIVE.
- THE CONTRACTOR SHALL APPLY FROM AND OBTAIN ALL NECESSARY PERMITS AND LICENSES AND SHALL COMPLY WITH ANY AND ALL FEDERAL, STATE AND LOCAL ORDINANCES, LAWS OR REGULATIONS APPLICABLE TO PERFORM THE WORK
- 14. ALL MATERIAL TO BE REMOVED FOR DISPOSAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR, UNLESS NOTED OTHERWISE, AND SHALL BE DISPOSED ON IN ACCORDANCE WITH LOCAL & STATE REGULATIONS. ITEMS SALVAGED SHALL BECOME PROPERTY OF THE OWNER, CONTRACTOR SHALL SEPARATE MATERIALS AND STOCKPILE IN ORDERLY MANNER
- 15. ALL BARRICADES, WARNING SIGNS, LIGHTS, DEVICES, ETC. FOR THE GUIDANCE AND PROTECTION OF TRAFFIC AND PEDESTRIANS MUST CONFORM TO THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ACCESS TO ALL ADJACENT PROPERTIES DURING CONSTRUCTION
- 17. CONTRACTOR IS RESPONSIBLE FOR THE DEVELOPMENT OF A TRAFFIC CONTROL PLAN AND MUST BE SUBMITTED TO THE COUNTY FOR REVIEW AND APPROVAL PRIOR TO ANY WORK
- CONTRACTOR IS RESPONSIBLE FOR RETURNING THE SITE BACK TO PRECONSTRUCTION CONDITIONS FOLLOWING THE COMPLETION OF THE WORK
- 19. RIGHT-OF-WAY PERMIT REQUIREMENTS AND CONSTRUCTION SPECIFICATIONS FOR WORK WITHIN THE RIGHT-OF-WAY CAN BE FOUND IN CHAPTER 5 OF THE CLEAR CREEK COUNTY ROADWAY DESIGN AND CONSTRUCTION MANUAL. A DIGITAL COPY OF THE MANUAL CAN BE FOUND AT HTTPS://CLEARCREEKCOUNTY.US/128/ROADS-AND-BRIDGE-DEPARTMENT.
- 20. CONTRACTOR SHALL FOLLOW BEST MANAGEMENT PRACTICES AND STATED IN THE CLEAR CREEK COUNTY BEST MANAGEMENT PRACTICES MANUAL. THE MANUAL CAN BE FOUND AT HTTPS://CLEARCREEKCOUNTY.US/96/SITE-DEVELOPMENT.

SEWER NOTES:

- 1. ALL PUBLIC SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE CURRENT CENTRAL CLEAR CREEK SANITATION DISTRICT (CCCSD) STANDARDS AND SPECIFICATIONS.
- 2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CCCSD AND/OR THEIR REPRESENTATIVES. THE CCCSD RESERVES THE TIGHT TO ACCEPT OF REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DO NOT CONFORM TO THE CCCSD AND THE PROJECT ENGINEER PRIOR TO ACCEPTANCE.
- 3. ALL HDPE PRESSURE PIPE O BE SDR-11 AND SHALL CONFORM TO AWWA SPECIFICATION UNLESS OTHERWISE STATED.
- 4. UNDERGROUND UTILITIES SHOWN HEREON ARE SCHEMATIC IN NATURE, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY HORIZONTAL LOCATIONS AND PROVIDE POTHOLE VERTICAL LOCATIONS PRIOR TO CONSTRUCTION. IF ANY CONFLICTS WITH THE PLANS ARE FOUND. THE ENGINEER OF RECORD SHALL BE CONTACTED IMMEDIATELY PRIOR TO WORK CONTINUING.
- 5. TRACER WIRE SHALL BE INSTALLED ON ALL FORCE MAIN. TRACER WIRE SHALL BE INSTALLED AT APPROPRIATE DEPTH AND SHALL BE DETECTABLE AT THE DEPTH, TRACER WIRE SHALL BE THREE INCHES WIDE, MAGNETIC DETECTABLE, WITH PLASTIC COVERING AND WITH "SEWER LINE" PRINTED ON IT IN LARGE LETTERS.
- POLYETHYLENE ENCASEMENT (WRAP) SHALL BE PROVIDED BY CONTRACTOR ON ALL VALVES, FITTINGS, PIPE, OR ANY OTHER BURIED COMPONENT THAT IS SUSCEPTIBLE TO CORROSION.

PACKAGED LIFT STATION

1. THESE SPECIFICATIONS AND CORRESPONDING CONSTRUCTION PLANS SERVE AS A GUIDE FOR COMPLETE LIFT STATION INSTALLATION. THEREFORE, ANY ITEMS, EQUIPMENT, MATERIALS, ETC., NOT SPECIFICALLY MENTIONED BUT REASONABLY NECESSARY FOR THE COMPLETE CONSTRUCTION AND INSTALLATION OF A FINISHED LIFT STATION SHALL BE SUPPLIED BY CONTRACTOR.

PUMPS

- TWO (2) SEWAGE AND WASTEWATER SOLIDS HANDLING PUMPS ABLE TO PASS A MIN 3 INCH SOLID. PUMPS SHALL
 - DESIGN POINT: 65 GPM AT TDH: 128 FT; HORSEPOWER: 7.5 HP; 60 HZ, 115/230V, THREE PHASE AND SHALL BE MANUFACTURED BY FLYGT OR APPROVED EQUAL
 - SHAFT SEAL/THERMAL SENSORS MOISTURE PROBE SHALL BE USED TO DETECT MOISTURE IN THE MECHANICAL SEAL CHAMBER AND WILL ALERT THE OPERATOR VIA AN ALARM TO THE POTENTIAL FOR MOTOR FAILURE. PUMPS SHALL HAVE BUILT IN MOTOR PROTECTION.
- 2. MATERIALS: ASTM 48, CLASS 40B CAST IRON CASING AND IMPELLER; STAINLESS STEEL SHAFT, ASTM 48, CLASS 30 CAST IRON MOTOR FRAME; 304 STAINLESS STEEL FASTENERS; CAST IRON PUMP STAND; STAINLESS STEEL CHAIN AND SHACKLES FOR PUMP LIFT OUT.

ELECTRICAL CONTROL AND ENCLOSURE

- 1. THE ELECTRIC CONTROL PANEL SHALL MEET THE REQUIREMENTS OF THE PUMP MANUFACTURER AN, AT MINIMUM, SHALL HAVE THE FOLLOWING FEATURES: OVERLOAD/SHORT CIRCUIT PROTECTION, MAGNETIC CONTRACTORS, OVERLOAD RELAY SIZED FOR THE MOTOR, HAND-OFF-AUTO PUMP SWITCH, SEAL FAILURE LIGHT, ELAPSED TIME METERS, AUTOMATI TRANSFER SWITCH FOR ON-SITE BACKUP POWER GENERATION. NEMA 4 OR EQUIVALENT RATING FOR DIRECT MOUNTING 2. ALARMS SHALL ACTIVATE IN THE CASE OF POWER FAILURE, PUMP FAILURE, PUMP SEAL FAILURE, HIGH WAS ADO LICENTARY
 AND OTHER MISCELLANEOUS MALFUNCTIONS. ALARMS SHALL INCLUDE A LIGHT AND HORN.

 3. THE CONTROLLER, THROUGH FLOAT OPERATION, WILL HAVE LEVEL SET FOR THE FOLLOWING:

 ALAN:

 A OR ALAN W. OR
- - . HIGH-LEVEL ALARM
 - . LAG PUMP ON
 - . LEAD PUMP ON
 - + PUMP(S) OFF
 - . LOW LEVEL ALARM

LEVEL SENSING EQUIPMENT

- RS TO MINISTERS 1. ULTRASONIC TRANSDUCER: THE LEVEL CONTROL SYSTEM SHALL UTILIZE A SET OF ULTRASONIC TRANSDUCERS TO MONITOR LIQUID LEVELS.
- 2. BACKUP FLOAT LEVEL CONTROL SYSTEM: A COMPLETELY INDEPENDENT INTRINSICALLY SAFE FOUR (4) FLOAT BACKUP LEVEL SYSTEM SHALL BE PROVIDED. THIS BACKUP FLOAT LEVEL CONTROL SYSTEM SHALL CONTROL THE PUMPS IN THE EVENT THAT THE PLC FAILS OR THE PRIMARY LEVEL TRANSMITTER FAILS.

LIFT STATION WET WELL AND VALVE VAULT

1. TONGUE AND GROOVE JOINTS, MONOLITHIC BASES, BASE SLAB, COVER SLAB, PRE-CAST INFLUENT AND EFFLUENT OPENINGS FOR INSTALLATION OF LINK SEALS. REINFORCED PRECAST CONCRETE AS SPECIFIED IN ACCORDANCE WITH AST C478 ABLE TO WITHSTAND H-20 LOAD REQUIREMENTS.

ACCESS HATCH

1. HATCH SHALL BE A SINGLE LEAF ACCESS FRAMES AND COVERS AS MANUFACTURED BY HALLIDAY, BILCO, OR APPROVED EQUAL. DOORS SHALL OPEN AND AUTOMATICALLY LOCK WITH A STAINLESS STEEL HOLD OPEN ARMS WITH RELEASE HANDLES AND WITHSTAND A LIVE LOAD OF H20. DOOR SHALL INCORPORATE ENCLOSED STAINLESS-STEEL COMPRESSION SPRING ASSISTS. PROTECTIVE GRATING PANEL SHALL BE 3 INCH ALUMINUM "I" BAR GRATING WITH SAFETY ORANGE POWDER-COATED FINISH. ALL HARDWARE SHALL BE T-316 STAINLESS STEEL. UNIT SHALL LOCK SLAM LOCK WITH REMOVABLE KEYS AND HAVE A NON-CORROSIVE HANDLE.

PIPING AND VALVES

- 1. PIPE AND FITTINGS: CLASS 53 FOR PIPE 4 INCH AND LARGER AND SHALL CONFORM TO REQUIREMENTS OF ANSI A21.15 OR A21.51. FITTINGS SHALL CONFIRM TO REQUIREMENTS OF ANSI A21.10. PIPE AND FITTING SHALL HAVE PRIMED EXTERIOR AND CEMENT-MORTAR LINED CONFORMING WITH AWWA CLO4. BOLTS AND NUTS SHALL BE STAINLESS STEEL.
- 2. CHECK VALVE: AS MANUFACTURED BY MUELLER, VAL-MATIC, APCO OR APPROVED EQUAL. SWING CHECK VALVE WITH ADJUSTABLE WEIGHT AND LEVER MEETING ANSI/AWWA C508. DUCTILE IRON BODY AND COVER: RESILIENT SEATER: BUNA-N DISC, INTERIOR AND EXTERIOR COATING SHALL BE FUSION BONDED EPOXY: STAINLESS STEEL BOLTS. NUTS AND WASHERS
- 3. PLUG VALVE: AS MANUFACTURED BY DEZURIK, MILLIKEN, PRATT, VAL-MATIC OR APPROVED FOUAL, FULL PORT ECCENTRIC PLUG VALVE MEETING AWWA C517. WHEN PLUG VALVE IS IN FULLY OPEN POSITION, PORT AREA SHALL BE FOUAL TO 100 PERCENT OF THE ADJACENT PIPE NOMINAL DIAMETER AND NO CAVITIES WHERE DEBRIS CAN COLLECT. CAST IRON BODY MEETING ASTM A126, CLASS B, DUCTILE IRON PLUG MEETING ASTM A536, STAINLESS STEEL HARDWARI MANUAL ACTUATOR
- 4. FLOW METER: AS MANUFACTURED BY ABB. BADGER, ROSEMOUNT OR APPROVED EQUAL. SHALL BE DESIGNED TO HANDLE RAW WASTEWATER. METER HOUSING SHALL BE NEMA 4X. EPOXY COATED, AND RATED FOR CLASS 1 DIVISION 2 ENVIRONMENTS. METERING TUBE SHALL MOUNT DIRECTLY IN THE PIPE AND CONSTRUCTED OF 304 STAINLESS STEEL. CAPABLE OF BI-DIRECTIONAL FLOW WITH A SUBMERGENCE OF 30 FEET.

BYPASS PUMPING

- 1. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN TEMPORARY BYPASS TO MAINTAIN CONTINUED. UNINTERRUPTED SEWER SERVICE FOR THE TOTAL DURATION OF TIME IN WHICH THE FORCE MAIN IS NOT OPERATIONAL
- 2. THERE ARE 2 LIFT STATIONS SERVICED BY THE EXISTING FORCE MAIN.
- A. CLEAR CREEK COUNTY EMERGENCY SERVICES FACILITY (EMC). ESTIMATED DAILY FLOW 315 GPD, LIFT STATION DESIGN 12 GPM, TDH: 51 FEFT.
- B. CLEAR CREEK COUNTY SPORTSMAN CLUB (GUN RANGE) ESTIMATED AVERAGE DAILY FLOW: 310 GPD AND PEAK DAILY FLOW: 995 GPD. LIFT STATION DESIGN: 12 GPM, TDH: 55 FFFT.
- 3. CONTRACTOR SHALL PROVIDE A DETAILED BYPASS PLAN A MINIMUM OF 10 DAYS PRIOR TO THE START OF THE BYPASS. CONTRACTOR SHALL RECEIVE APPROVAL FROM THE COUNTY ENGINEER PRIOR TO THE COMMENCEMENT OF THE BYPASS
- 4. CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND HAULING PUMPS, VALVES, PIPING, AND ALL OTHER MATERIALS AND EQUIPMENT NECESSARY FOR CONTINUOUS SERVES TO THE LIFT STATIONS THAT DISCHARGE TO THE FORCE MAIN.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND MONITORING THE BYPASS UNTIL THE SUCCESSFUL START-UP OF THE NEW FORCE MAIN.
- 6. CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER AND BUSINESS EFFECTED BY THE BYPASS EFFORTS A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF THE BYPASS.

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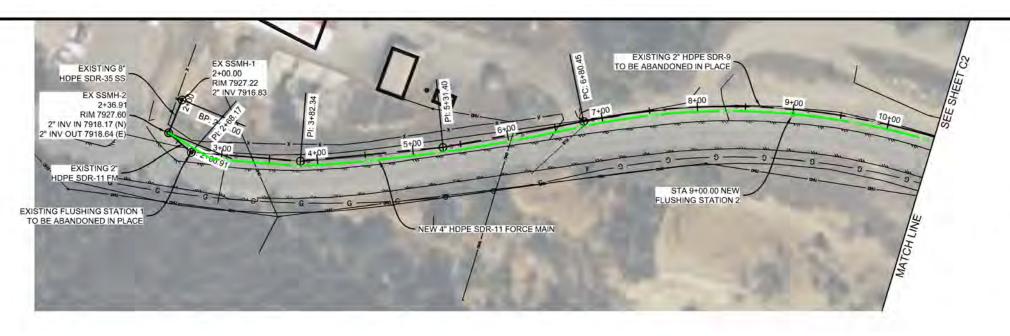
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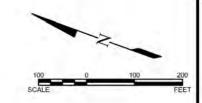
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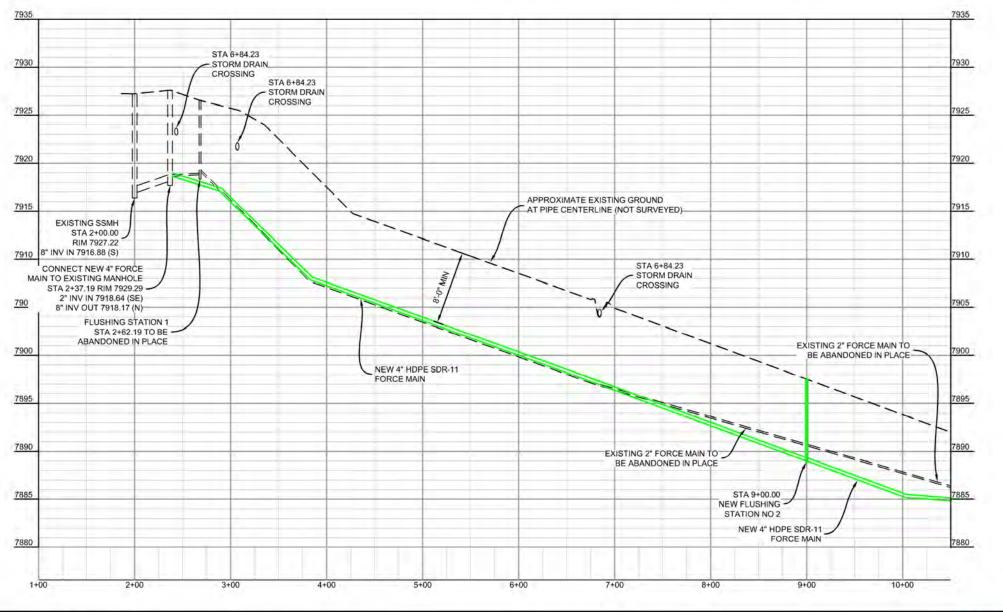




CONSTRUCTION NOTES:

- CONTRACTOR IS RESPONSIBLE TO VERIFY AND PROTECT ALL EXISTING LITHLITIES
- EXISTING UTILITIES.

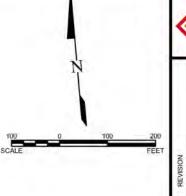
 IN AREAS OF THE TRAVELED SURFACE OF STANLEY ROAD,
 UTILITIES SHALL BE INSTALLED BY JACKING OR BORING AND ONLY
 BY OPEN TRENCH WHEN ABSOLUTELY NECESSARY.
- CONTRACTOR SHALL PROVIDE ALL MATERIALS NECESSARY TO CONNECT TO THE EXISTING 4-INCH FORCE MAIN.
 EXISTING 2-INCH FORCE MAIN SHALL BE ABANDONED IN PLACE.
- A MINIMUM OF 5-FEET SHALL SEPARATE THE EXISTING AND PROPOSED FORCE MAIN.
 CONTRACTOR SHALL PROVIDE ALL FITTINGS AND MATERIALS
- CONTRACTOR SHALL PROVIDE ALL FITTINGS AND MATERIALS REQUIRED TO MAKE CONNECTIONS TO THE EXISTING MANHOLE.





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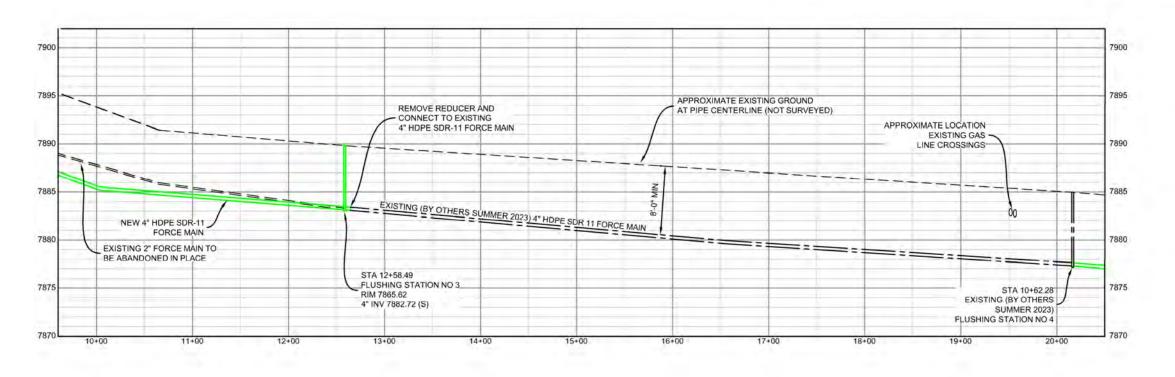




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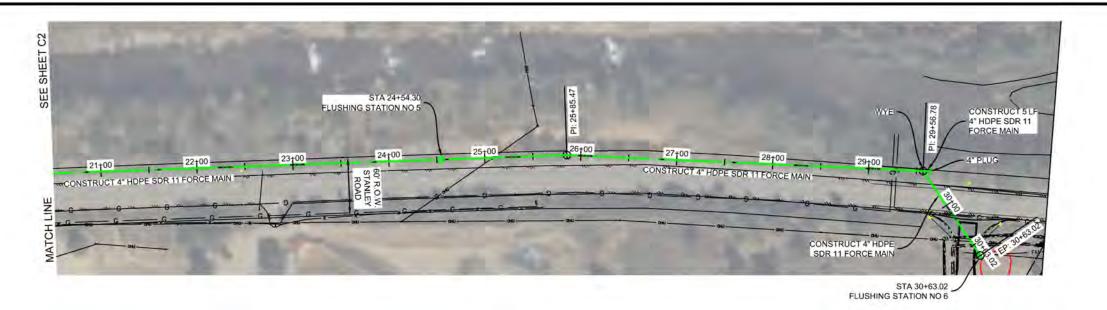


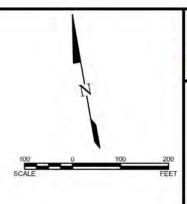


SANITARY SEWER EXTENSION IDAHO SPRINGS RV PARK CLEAR CREEK COUNTY, COLORADO

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RH JRW 2214-00994 04/2023 IDAHO SPRINGS RV PARK CLEAR CREEK COUNTY, COLORADO FORCE MAIN PLAN AND PROFILI





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04/2023

SANITARY SEWER EXTENSION
IDAHO SPRINGS RV PARK
CLEAR CREEK COUNTY, COLORADO
FORCE MAIN PLAN AND PROFILE

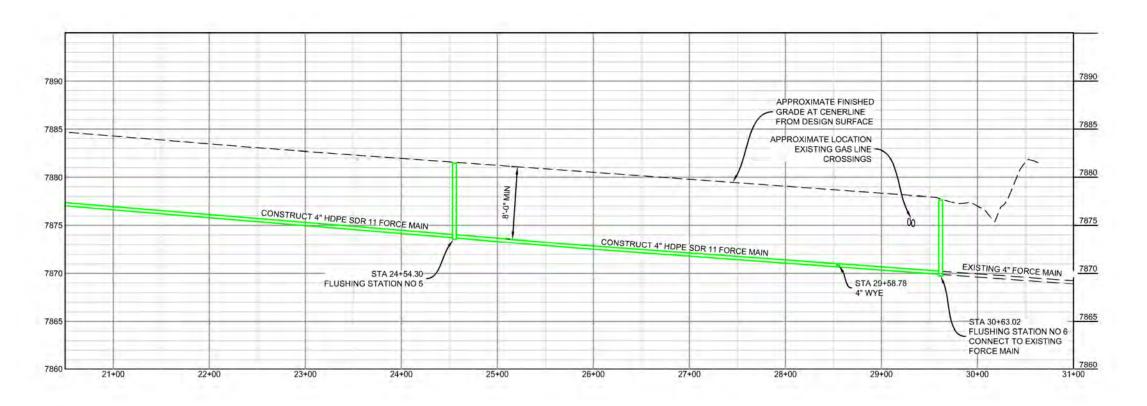
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- 3. CONTRACTOR SHALL PROVIDE ALL MATERIALS NECESSARY TO CONNECT TO THE EXISTING 4-INCH FORCE MAIN.

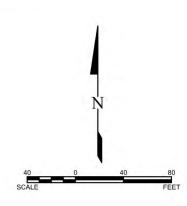
 4. EXISTING 2-INCH FORCE MAIN SHALL BE ABANDONED IN PLACE.
- A MINIMUM OF 5-FEET SHALL SEPARATE THE EXISTING AND
- PROPOSED FORCE MAIN.

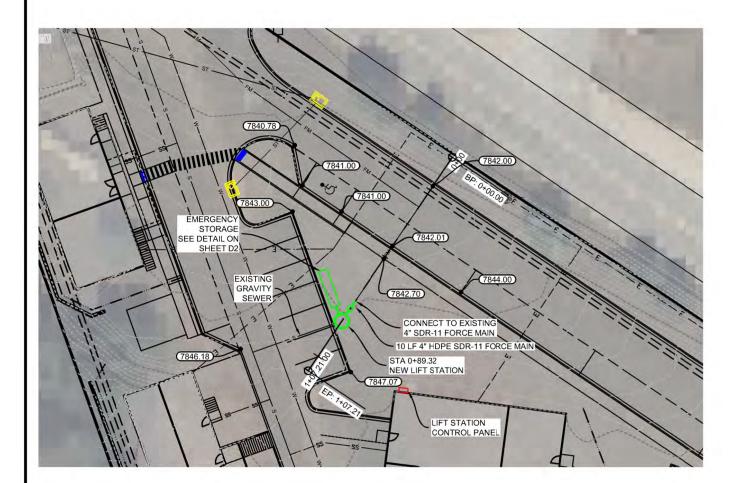
 CONTRACTOR SHALL PROVIDE ALL FITTINGS AND MATERIALS
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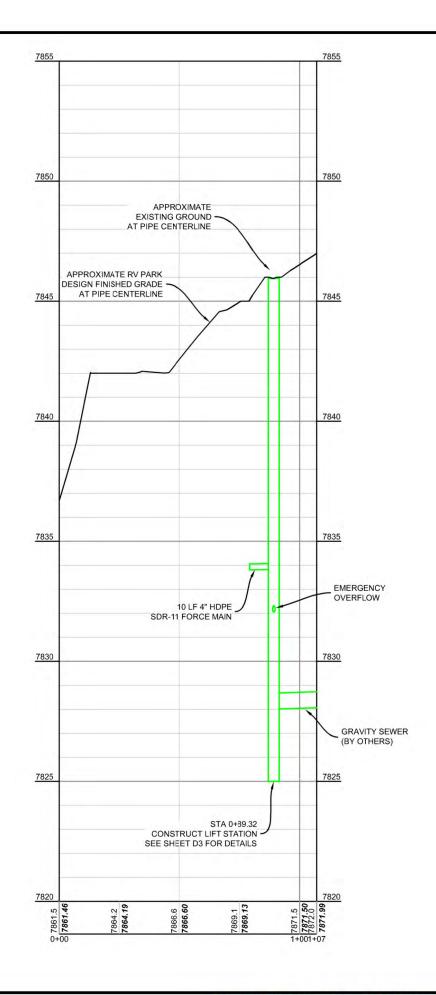
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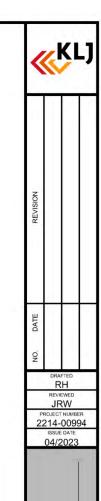
- 1. CONTRACTOR SHALL PROVIDE ALL FITTINGS AND MATTERIALS REQUIRED TO MAKE CONNECTIONS TO THE EXISTING FORCE MAIN.
- 2. INFORMATION PROVIDED ON THE EXISTING LAYOUT, DIMENSIONS AND MATERIALS ARE BASED ON EXISTING INFORMATION. THIS IS FOR REFERENCE ONLY. IT'S THE CONTRACTOR RESPONSIBILITY TO CONFIRM ALL INFORMATION PROVIDED.
- CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO
- PROTECT ALL EXISTING UTILITIES AND STRUCTURES.

 4. CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED DURING
- CONSTRUCTION TO THEIR PRE-CONSTRUCTION CONDITION.
- CONTRACTOR SHALL PROVIDE ALL MATERIALS NECESSARY TO CONNECT TO EXISTING 4" HDPE SDR-11.

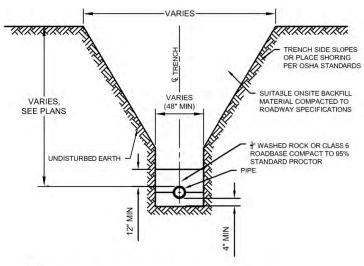
 6. GRADE SITE TO PROV DE POSITIVE DRAINAGE AWAY FROM THE
- 7. CONTRACTOR SHALL INSTALL FOUR (4) BOLLARDS, LOCATIONS TO BE DETERMINED IN THE FIELD BY OWNER/ENGINEER.







SANITARY SEWER EXTENSION
IDAHO SPRINGS RV PARK
CLEAR CREEK COUNTY, COLORADO



- NOTES:

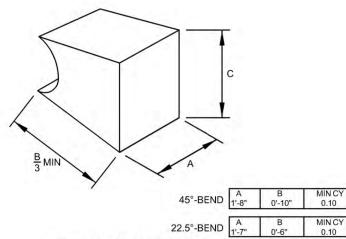
 1. IF CONFORMING WATERIAL IS NOT AVAILABLE ONSITE, CONTRACTOR SHALL IMPORT PIPE BEDDING WITH GRADATION PER SPECIFICATION.

 2. CONTRACTOR TO VERIFY BEDDING WEETS MANUFACTURER'S REQUIREMENTS.

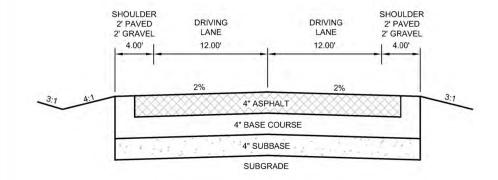
 3. TRACER WIRE AND WARNING TAPE SHALL BE INSTALLED WITH THE PIPE.

 4. DETECTABLE WARNING TAPE THAT S A MINIMUM OF 3' WIDE, BLUE OR STRIPED BLUE. PRINTED WITH CAUTION BURED WATER LINE BELOW. INSTALL WARNING TAPE IN TRENCH 2' BELOW FINISHED GRADE.

TYPICAL TRENCH DETAIL

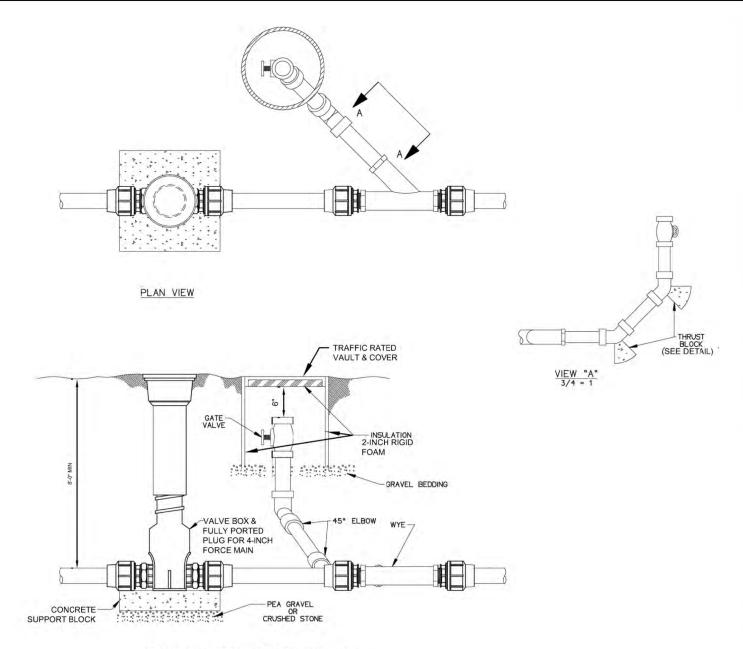


THRUST BLOCK DETAIL



TYPICAL CROSS-SECTION OF A COLLECTOR ROAD

MINIMUM REQUIREMENTS MINIMUM RIGHT-OF-WAY 80 FEET



FLUSHING CONNECTION DETAIL

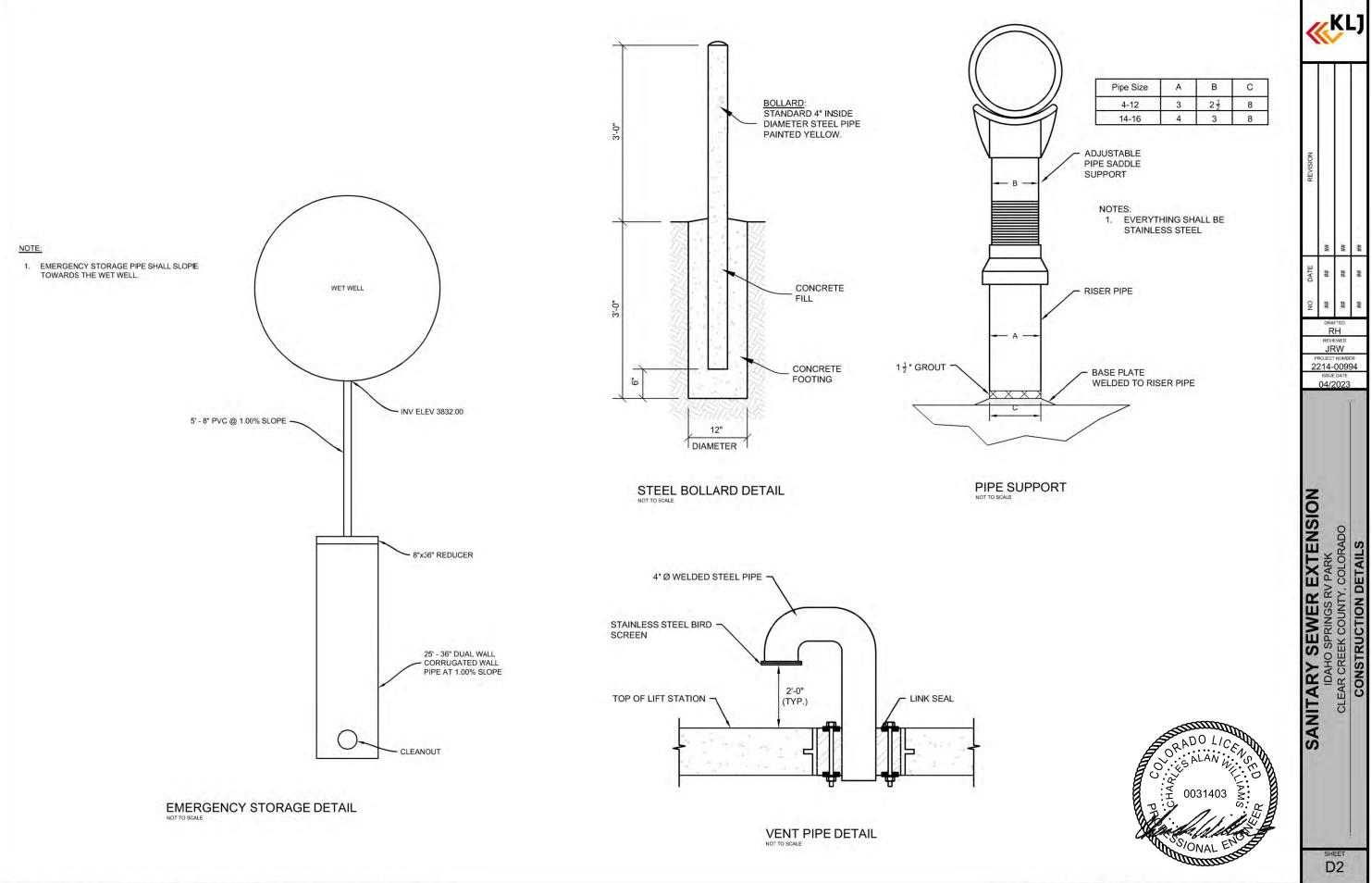


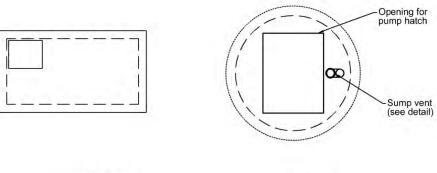
SANITARY SEWER EXTENSION IDAHO SPRINGS RV PARK CLEAR CREEK COUNTY, COLORADO D1

KLJ

RH

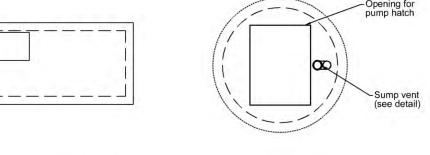
JRW 2214-00994 04/2023





PRECAST COVER PLAN

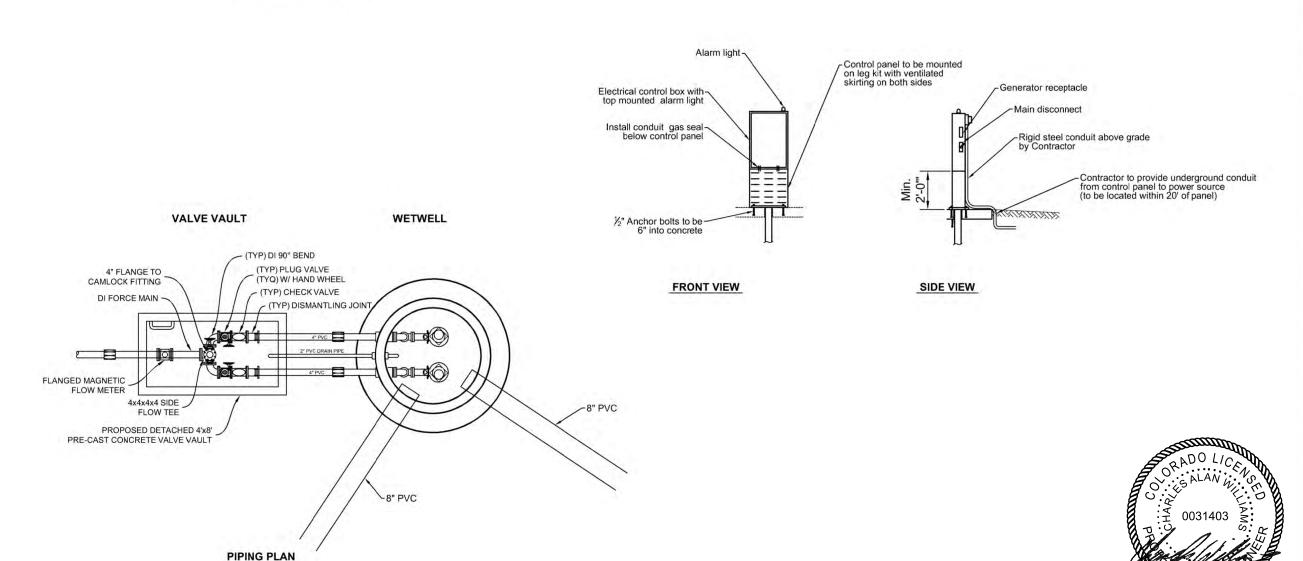
VALVE VAULT



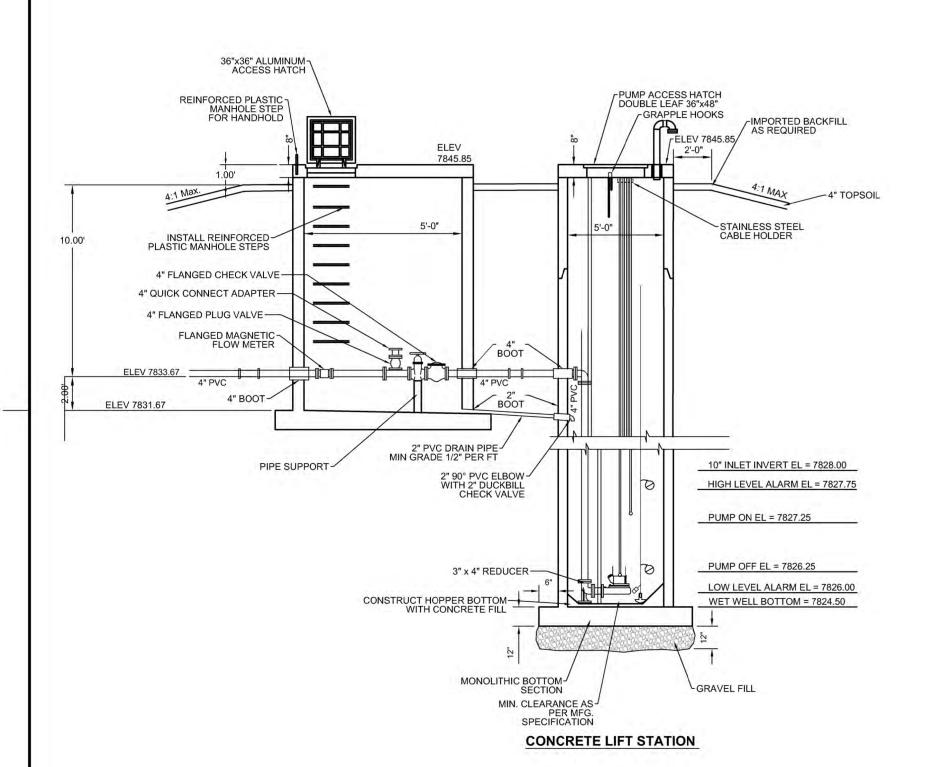
WETWELL

NOTES:

- 1. PUMP SPACING & LAYOUT SHALL BE VERIFIED WITH PUMP MANUFACTURE.
- ACCESS HATCH OPENING & ORIENTATION SHALL BE COORDINATED WITH PUMP MANUFACTURE TO ALLOW FOR REMOVAL OF PUMPS.
- PROVIDE OPENING FOR ELECTRICAL CONDUITS. CONDUIT SIZE, NUMBER OF OPENINGS & LOCATIONS OF CONDUIT SHALL BE DETERMINED BY ELECTRICAL CONTRACTOR & CONTROL PANEL MANUFACTURE.
- OPENINGS AROUND CONDUITS SHALL BE FILLED WITH NON-SHRINK
- SLOPE VALVE VAULT FLOOR TO DRAIN PIPE.
- PRECAST WET WELL TOP SLAB SHALL BE SUITABLE FOR H20 WHEEL 6. LOADING.
- CONTROL PANEL CONCRETE PAD SHALL BE 4'x4'x8' REINFORCED CONRETE PAD WITH #4 BARS @ 12" O.C.E.W.

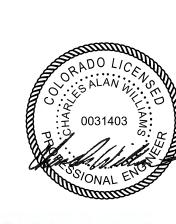


KL



NOTES:

- PUMP SPACING & LAYOUT SHALL BE VERIFIED WITH PUMP MANUFACTURE.
 ACCESS HATCH OPENING & ORIENTATION SHALL BE COORDINATED WITH PUMP MANUFACTURE TO ALLOW FOR REMOVAL OF PUMPS AND TRASH BASKET.
- PROVIDE OPENING FOR ELECTRICAL CONDUITS. CONDUIT SIZE, NUMBER OF OPENINGS & LOCATIONS OF CONDUIT SHALL BE DETERMINED BY ELECTRICAL CONTRACTOR & CONTROL PANEL MANUFACTURE.
- OPENINGS AROUND CONDUITS SHALL BE FILLED WITH NON-SHRINK GROUT.
- SLOPE VALVE VAULT FLOOR TO DRAIN PIPE.
- PRECAST WET WELL TOP SLAB SHALL BE SUITABLE FOR H20 WHEEL LOADING.



KLJ RH JRW 2214-00994 04/2023 SANITARY SEWER EXTENSION IDAHO SPRINGS RV PARK CLEAR CREEK COUNTY, COLORADO

D4



Project and System Information

System Name

Water Quality Control Division Engineering Section

4300 Cherry Creek Drive South, B2 Denver, Colorado 80246-1530 CDPHE.WQEngReview@state.co.us 303-692-6298

Applicant Certification and Review Agencies Recommendation Section 22.9 - Lift Station

Idaho Spring RV Park

Project Title	Idaho Springs RV Park Lift Stati	on A and Force Main			
County	Clear Creek				
Associated CDPS Permit No.					
Wastewater Treatment Works,	the requirements of <i>Regulation 2</i> and have posted the site location egulations, has been prepared an	in accordance with the regula			t, as
Applicant Legal Representative		ia is checosed.			
Position/Title	Typed Name	Signature		Date	
Owner	Jason Smith	Cason y.	David	4/24/2	2023
Email		Phone			
0202jason@gmial.com		913.406.1701			
	is the legally responsible agent a The Design Engineer is not the leg			lent of a l	board,
review and comment prior to sub proposed site location application provided a recommendation conce the proposed site location application regional water quality management a review agency does not recomment on the next page. Signature of designated Management of the signature of designated Management on the signature of designated Management of the signature of designated Management of the signature of designated Management of designated Man	n, 2) has reviewed the proposed a erning the application to the Divation with the local comprehension ent plan(s). <i>Please note: Review o</i>	application and may elect to prision. The recommendation showe plan(s) as they relate to wat agencies are encouraged to product attach a letter describing	rovide comments, a buld be based on th der quality and the avide project comm the reason for thei	and 3) has e consist approvec ents; how r decision	ency of l wever, if n or
Agency Upper Clear Creek Watershed Association (UCCWA)	Typed Name	Signature	,	Date	•
Email		Phone	Recommend	Yes	
			Approval?	No	
Signature of County, if the site	is located in unincorporated ar	reas of a county			
County	Typed Name	Signature		Date	
Clear Creek County					
Email		Phone	Recommend	Yes	
			Approval?	No	
Signature of City or Town, if the boundary (if multiple, attach a	ne site is located within a City/T	own boundary or within three	miles of the City	/Taxx	
	dditional sheets as needed)			/ TOWII	
City/Town	dditional sheets as needed) Typed Name	Signature		Date	
City/Town Email	· · · · · · · · · · · · · · · · · · ·		Recommend Approval?	I	

Signature of Local Health	Authority				
Agency Clear Creek County Environmental Health	Typed Name	Signature		Date	
Email		Phone	Recommend Approval?	Yes [7
Signature of 208 Designate	ed Planning Agency				
Agency	Typed Name	Signature		Date	
Email		Phone	Recommend Approval?	Yes [=
Signature of other State or by a federal or state agend	r Federal Agencies, if treatm	nent works is located on or adj	acent to a site that is ow	ned or manag	ged
Agency	Typed Name	Signature		Date	
Email		Phone	Recommend Approval?	Yes [Ŧ
Signature of other undesign	nated Basin Water Ouality A	uthority, Watershed Association			_
Agency	Typed Name	Signature	, , , , , , , , , , , , , , , , , , ,	Date	
Email		Phone	Recommend Approval?	Yes [7

Revised April 2021 Section 22.9 Page 5 of 6