UMATILLA CITY COUNCIL MEETING
AGENDA
COUNCIL CHAMBERS 700 6TH STREET, UMATILLA, OR 97882
OCTOBER 5, 2021
7:00 PM

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1. **MEETING CALLED TO ORDER**

2. **ROLL CALL**

3. **PLEDGE OF ALLEGIANCE**

4. **APPROVAL OF AGENDA**

5. **CITY MANAGER'S REPORT**
   - 5.1 Announcements *Suggested Action: Oregon Mayors Association Newsletter Recorder of the Year Award*

     Others

6. **PUBLIC COMMENT** Public Comment is an opportunity for citizens to express opinions, raise issues, and provide information to the City Council. Comments presented during this segment should be on city-related issues and not on items that are scheduled for a Public Hearing on the same eveningâ€™s agenda. If you wish to speak, please provide the requested information on the Sign-Up Sheet, being sure to note the topic on which you will speak. When called to the podium, begin by stating your name and address. You will have five minutes to speak, unless otherwise instructed.

7. **CONSENT AGENDA**
   - 7.1 August Paid Invoices *Suggested Action: Motion to approve*
   - 7.2 September Paid Invoices *Suggested Action: Motion to approve*

8. **PUBLIC HEARING**
   - 8.1 Cleaver Annexation (ANX-1-20): The applicant, Cleaver Land LLC, seeks approval to have a portion of a public street as well as two tax lots situated in the City of Umatilla's Urban Growth Boundary (after adoption PA-2-20) annexed into the city limits. *Suggested Action: The City of Umatilla Planning Commission recommended approval to the Umatilla City Council of Cleaver Annexation (ANX-1-20) at the September 22, 2020 meeting. This is the final application submitted to create a new south hill industrial park and will annex the UGB expansion property into City Limits and apply the City's Light Industrial zoning designation. The UGB expansion application is currently pending acknowledgment from the State. Staff will bring back an implementing ordinance once the UGB expansion has been acknowledged.*

     Sample motion for approval of Cleaver Annexation (ANX-1-20); I move to approve Cleaver Annexation ANX-1-20 and adopt the staff report and recommendation as the Council's findings.

9. **NEW BUSINESS**
   - 9.1 Library Advisory Committee Resignation *Suggested Action: Accept resignation and declare vacancy on the Library Advisory Committee.*
   - 9.2 Resolution 11-2022 - A resolution authorizing the City Manager to sign an agreement allowing Western Partitions Inc. to use city property as a construction staging area. *Suggested Action: Staff recommends a motion to approve Resolution No, 11-2022.*
   - 9.3 Resolution No. 12-2022 - A resolution adopting the 2021 Design and Construction Standards and Specifications for Public Works Improvements and Sewage Pump Station Standard Specifications. *Suggested Action: Motion for approval of Resolution No. 12-2022*
   - 9.4 Planning Commission Appointment *Suggested Action: Mayor Dedrick has reviewed the received application to serve on the Umatilla Planning Commission and recommends Devon Mitchell for appointment. The City received one application to the Planning Commission from Devon Mitchell.*

10. **PUBLIC COMMENT**

11. **DISCUSSION ITEMS**

12. **MAYOR'S MESSAGE**

13. **COUNCIL INFORMATION & DISCUSSION**

14. **RECESS INTO EXECUTIVE SESSION** Motion to Recess our Regular Meeting and go into Executive Session.

15. **EXECUTIVE SESSION**
   - 15.1 Potential Real Estate Transaction - ORS 192.660(2)(e) Authorizes council to deliberate with persons designated by council to negotiate real property transactions, including long-term leases. Does not authorize discussion of general leasing policies. *Suggested Action: Discussion Only*
   - 15.2 Potential Real Estate Transaction - ORS 192.660(2)(e) Authorizes council to deliberate with persons designated by council to negotiate real property transactions, including long-term leases. Does not authorize discussion of general leasing policies. *Suggested Action: Discussion Only*
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16. **ADJOURN** This institution is an equal opportunity provider. Discrimination is prohibited by

Federal law. Special accommodations to attend or participate in a city meeting or other function can be provided by contacting City Hall at (541) 922-3226 or use the TTY Relay Service at 1-800-735-2900 for appropriate assistance.

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CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
Announcements	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
City Administration	David Stockdale	David Stockdale	

Cost of Proposal:	**Fund(s) Name and Number(s):**
n/a **Amount Budgeted:** n/a	N/A

Reviewed by Finance Department:	**Previously Presented:**
Yes	n/a

Attachments to Agenda Packet Item:

Summary Statement:

Oregon Mayors Association Newsletter
Recorder of the Year Award
Others

Consistent with Council Goals:

Goal 5 : Perform at the Highest Levels of Operational Excellence

CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
August Paid Invoices	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
Finance & Administrative Services	Melissa Ince	Melissa Ince	

Cost of Proposal:	**Fund(s) Name and Number(s):**
N/A **Amount Budgeted:** N/A	N/A

Reviewed by Finance Department:	**Previously Presented:**
Yes	N/A

Attachments to Agenda Packet Item:

August 2021 Paid Invoices.pdf

Summary Statement:

Motion to approve

Consistent with Council Goals:

Goal 4: Increase Public Involvement, Create a Culture of Transparency with the Public, and Enhance Cultural Diversity.

Report Criteria:
Detail report type printed

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
8							
8	A Burk's Custom Glass	21212	Auto Glass	08/11/21	50.00	47290	08/24/21
		21220	Kiwanis Park Bathroom Window	08/16/21	85.00	47290	08/24/21
Total 8:					135.00		
13							
13	A-1 Industrial Hose & Supply	263503	WWTP Supplies	08/11/21	128.64	47291	08/24/21
Total 13:					128.64		
55							
55	All American Heating and Coolin	15564	POLICE DEPT-MAINT.	07/20/21	488.75	47182	08/10/21
Total 55:					488.75		
126							
126	Axon Enterprise, Inc.	SI-1729506	Police Dept Taser Replacement	04/07/21	7,963.90	47184	08/10/21
Total 126:					7,963.90		
148							
148	Banner Bank Mastercard	0715.07.25.2	Lunch Meeting With Leon	07/25/21	10.00	47185	08/10/21
		0715.07.25.2	Lunch Meeting With Leon	07/25/21	10.00	47185	08/10/21
		0715.07.25.2	Lunch Meeting With Leon	07/25/21	10.00	47185	08/10/21
		0715.07.25.2	Lunch Meeting with Leon	07/25/21	10.00	47185	08/10/21
		0715.07.25.2	Lunch Meeting with Nanci	07/25/21	30.00	47185	08/10/21
		0715.07.25.2	Lunch Meeting with Leon	07/25/21	7.50	47185	08/10/21
		0715.07.25.2	Lunch Meeting with Leon	07/25/21	7.50	47185	08/10/21
		0715.07.25.2	Lunch Meeting with Leon	07/25/21	7.50	47185	08/10/21
		0715.07.25.2	Lunch Meeting with Leon	07/25/21	7.50	47185	08/10/21
		0715.07.25.2	Lunch Meeting	07/25/21	15.00	47185	08/10/21
		0715.07.25.2	Lunch Meeting	07/25/21	15.00	47185	08/10/21
		0715.07.25.2	Lunch Meeting	07/25/21	15.00	47185	08/10/21
		0715.07.25.2	Lunch Meeting	07/25/21	15.00	47185	08/10/21
		0715.07.25.2	City Council Meeting	07/25/21	20.00	47185	08/10/21
		0715.07.25.2	Lunch Meeting	07/25/21	10.25	47185	08/10/21
		0715.07.25.2	Lunch Meeting	07/25/21	10.25	47185	08/10/21
		0715.07.25.2	Lunch Meeting	07/25/21	10.25	47185	08/10/21
		0715.07.25.2	Lunch Meeting	07/25/21	10.25	47185	08/10/21
		2217.07.25.2	Alaska Air-Conference Huxel	08/01/21	503.40	47185	08/10/21
		2217.07.25.2	Alaska Air-Conference Kennedy	08/01/21	503.40	47185	08/10/21
		2217.07.25.2	BL Roadhouse-New Car pickup X3	08/01/21	58.25	47185	08/10/21
		2217.07.25.2	TLO Transunion	08/01/21	75.00	47185	08/10/21
		2217.07.25.2	Amazon-batteries	08/01/21	15.96	47185	08/10/21
		2217.07.25.2	Amazon-Safety Nets	08/01/21	20.97	47185	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		2217.07.25.2	Amazon-Bee Sting Kits	08/01/21	61.83	47185	08/10/21
		2217.07.25.2	Police & Sheriff ID Dike	08/01/21	17.55	47185	08/10/21
		2970.07.25.2	Adobe Supscription	07/25/21	20.99	47185	08/10/21
		2970.08.25.2	Drone Equipment	07/25/21	1,275.00	47185	08/10/21
		2970.08.25.2	Boating Business Registration	07/25/21	90.00	47185	08/10/21
		2970.08.25.2	Recreational Programming	07/25/21	50.00	47185	08/10/21
		2970.08.25.2	Paddleboard Certification	07/25/21	3,495.00	47185	08/10/21
		3132.07.25.2	Public Works Meeting	07/25/21	6.98	47285	08/12/21
		3132.07.25.2	Public Works Meeting	07/25/21	6.97	47285	08/12/21
		3132.07.25.2	Public Works Meeting	07/25/21	6.97	47285	08/12/21
		3132.07.25.2	Public Works Meeting	07/25/21	6.98	47285	08/12/21
		3132.07.25.2	Golf Course Supplies-Amazon	07/25/21	328.08	47285	08/12/21
		3132.07.25.2	Recreation Programing	07/25/21	374.25	47285	08/12/21
		3132.07.25.2	Or Health Authority	07/25/21	248.00	47285	08/12/21
		3132.07.25.2	Lab Supplies	07/25/21	20.52	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	41.48	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	41.49	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	41.49	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	41.48	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	6.70	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	6.69	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	6.69	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	6.69	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	29.74	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	29.75	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	29.74	47285	08/12/21
		3132.07.25.2	Clothing Allowance-Scheel	07/25/21	29.74	47285	08/12/21
		3132.07.25.2	Bruce Heating and Air-Marina HVAC Maint.	07/25/21	265.00	47285	08/12/21
		3132.07.25.2	Public Work's Meeting	07/25/21	7.23	47285	08/12/21
		3132.07.25.2	Public Work's Meeting	07/25/21	7.23	47285	08/12/21
		3132.07.25.2	Public Work's Meeting	07/25/21	7.23	47285	08/12/21
		3132.07.25.2	Public Work's Meeting	07/25/21	7.23	47285	08/12/21
		3132.07.25.2	WWTP Manuals	07/25/21	194.00	47285	08/12/21
		3960.07.25.2	Golf Course	07/25/21	620.07	47185	08/10/21
		3960.07.25.2	GS Direct	07/25/21	250.66	47185	08/10/21
		3960.07.25.2	Amazon-Craftsman Batteries	07/25/21	32.99	47185	08/10/21
		3960.07.25.2	Golf Course Coffee pot	07/25/21	90.80	47185	08/10/21
		3960.07.25.2	Coffee Filters	07/25/21	26.00	47185	08/10/21
		3960.07.25.2	Postage	07/25/21	2.85	47185	08/10/21
		3960.07.25.2	Golf Course	07/25/21	165.00	47185	08/10/21
		3960.07.25.2	Marina	07/25/21	194.50	47185	08/10/21
		3960.07.25.2	Golf Course	07/25/21	114.00	47185	08/10/21
		3960.07.25.2	Surface Charger	07/25/21	12.49	47185	08/10/21
		3960.07.25.2	Surface Charger	07/25/21	12.50	47185	08/10/21
		3960.07.25.2	Programming-Library	07/25/21	418.75	47185	08/10/21
		5571.07.25.2	Water Palooza Rental	07/25/21	415.00	47185	08/10/21
		5571.07.25.2	Poster My Wall Subscription	07/25/21	99.95	47185	08/10/21
		5571.07.25.2	Boyd Service	07/25/21	88.36	47185	08/10/21
		5571.07.25.2	Recreational Programming	07/25/21	305.30	47185	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		5571.07.25.2	UAV Confrence- Foutz	07/25/21	880.00	47185	08/10/21
		5571.07.25.2	Movies in the Park	07/25/21	350.00	47185	08/10/21
		5571.07.25.2	Recreational Equipment	07/25/21	432.95	47185	08/10/21
		5571.07.25.2	National Night Out	07/25/21	530.00	47185	08/10/21
		5571.07.25.2	CDD Luncheon	07/25/21	43.20	47185	08/10/21
		5919.07.25.2	Domain Renewal	07/25/21	72.97	47185	08/10/21
		5919.07.25.2	Marina Postage	07/25/21	21.79	47185	08/10/21
		5919.07.25.2	CPA License Renewal	07/25/21	256.00	47185	08/10/21
		5919.07.25.2	Library Snow Cone Machine	07/25/21	250.73	47185	08/10/21
		5919.07.25.2	Indeed Job Postings	07/25/21	292.59	47185	08/10/21
		5919.07.25.2	Frito Lay Golf Order	07/25/21	139.84	47185	08/10/21
		5919.08.01.2	Indeed Job Postings	08/01/21	1,978.94	47293	08/24/21
		5919.08.01.2	Meeting Lunch	08/01/21	108.50	47293	08/24/21
		5919.08.01.2	Halloween	08/01/21	2,940.00	47293	08/24/21
		5919.08.01.2	3D Printer Cart and Supplies	08/01/21	1,138.51	47293	08/24/21
		5919.08.01.2	Monthly Staff Meeting	08/01/21	12.66	47293	08/24/21
		5919.08.01.2	IWW Diversion Structure Upgrade	08/01/21	1,733.00	47293	08/24/21
		6777.07.25.2	Working Lunch	07/25/21	4.48	47185	08/10/21
		6777.07.25.2	Bait Refridgerator	07/25/21	235.86	47185	08/10/21
		8328.07.25.2	Amazon-Extra Surface Chargers	07/25/21	68.78	47185	08/10/21
		8328.07.25.2	Amazon-Boyd Sharp Proclamation Frame	07/25/21	32.99	47185	08/10/21
		8328.07.25.2	Dominos-Council Dinner	07/25/21	57.90	47185	08/10/21
		8328.07.25.2	OR Food Handlers-Hannah Keister	07/25/21	10.00	47185	08/10/21
		8328.07.25.2	Safeway-Desserts for Boyd Sharp Memorial	07/25/21	35.10	47185	08/10/21
		8328.07.25.2	LOGMEIN	07/25/21	20.89	47185	08/10/21
		8328.07.25.2	LOGMEIN	07/25/21	6.96	47185	08/10/21
		8328.07.25.2	LOGMEIN	07/25/21	6.96	47185	08/10/21
		8328.07.25.2	Logmein	07/25/21	6.96	47185	08/10/21
		8328.07.25.2	LOGMEIN	07/25/21	215.81	47185	08/10/21
		8328.07.25.2	LOGMEIN	07/25/21	6.96	47185	08/10/21
		8328.07.25.2	Logmein	07/25/21	20.89	47185	08/10/21
		8328.07.25.2	Logmein	07/25/21	6.96	47185	08/10/21
		8328.07.25.2	OAMR Annual Conference/Athenian-Nanci	07/25/21	535.00	47185	08/10/21
		8328.07.25.2	OAMR Annual Conference-David	07/25/21	300.00	47185	08/10/21
		8336.07.25.2	Staff Meeting	07/25/21	106.40	47185	08/10/21
		8336.07.25.2	Amzaon -File Box Skillman	07/25/21	35.98	47185	08/10/21
		8336.07.25.2	Amazon-Lysol Spray	07/25/21	23.00	47185	08/10/21
		8336.07.25.2	Amazon-Nitrile Gloves	07/25/21	55.90	47185	08/10/21
		8336.07.25.2	Amazon-paper plates	07/25/21	23.61	47185	08/10/21
		8336.07.25.2	Credit	07/25/21	57.48-	47185	08/10/21
Total 148:					23,997.51		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
187							
187	Bezona, Dale	SLIPRELEA	Moorage Refund - Slip Released	08/01/21	85.00	47294	08/24/21
Total 187:					85.00		
222							
222	Boardman Lock & Key	8934	New Keys for the Marina	07/22/21	80.00	47295	08/24/21
Total 222:					80.00		
276							
276	Builders FirstSource	83724005	Baseball Field Dugouts	07/09/21	47.05	47189	08/10/21
		83735604	Baseball Field Dugouts	07/12/21	23.06	47189	08/10/21
		83735643	Baseball Field Dugouts	07/12/21	5.95	47189	08/10/21
		83889968	Golf Course Cart Sheds	08/05/21	84.48	47296	08/24/21
		83925304	Golf Course Cart Sheds	08/11/21	42.24	47296	08/24/21
Total 276:					202.78		
293							
293	Buttercreek Equipment, Inc.	58459	Weedeater line for parks	07/23/21	107.98	47297	08/24/21
Total 293:					107.98		
311							
311	California State Controller	1259676	Unclaimed Property Remittance	11/11/20	38.00	47190	08/10/21
Total 311:					38.00		
320							
320	Canon Solutions America, Inc	4036943517	COPIER MAINTENANCE	07/24/21	53.61	47191	08/10/21
		4036991993	City Hall Copy Machine Maintenance Contract	07/31/21	261.12	47298	08/24/21
Total 320:					314.73		
351							
351	Cascade Natural Gas Corp.	1092.07.26.2	700 6th St.	07/26/21	4.43	47194	08/10/21
		1092.07.26.2	700 6th St.	07/26/21	4.44	47194	08/10/21
		1092.07.26.2	700 6th St.	07/26/21	4.43	47194	08/10/21
		3033.07.26.2	82959 Draper St.	07/26/21	12.61	47194	08/10/21
		7846.07.26.2	830 6th St.	07/26/21	12.61	47194	08/10/21
		7851.07.23.2	cascade	07/23/21	12.61	47194	08/10/21
		8476.07.26.2	1205 W. 3RD St.	07/26/21	26.24	47194	08/10/21
Total 351:					77.37		
355							
355	Casiday Battery Co.	13236	Golf Course Dump Truck	06/23/21	269.90	47301	08/24/21
		13259	Parks Irrigation	06/28/21	120.00-	47301	08/24/21
		13312	Parks Irrigtion	07/12/21	120.00	47301	08/24/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
	Total 355:				269.90		
362							
362	Center Point Large Print	1866127	Large Print Books for Library	08/01/21	140.22	47195	08/10/21
	Total 362:				140.22		
367							
367	CenturyLink	678B.07.25.2	Police Dept Phones	08/01/21	91.08	47196	08/10/21
	Total 367:				91.08		
391							
391	CI INFORMATION MANAGMEN	0121306	Onsite document shred	07/31/21	48.78	47303	08/24/21
	Total 391:				48.78		
435							
435	Commercial Tire	266670	Flat Repair	04/05/21	14.75	47307	08/24/21
	Total 435:				14.75		
439							
439	Concrete Special Ties, Inc.	66707	Concrete Supplies	08/17/21	286.16	47308	08/24/21
	Total 439:				286.16		
487							
487	Crystal Clear Ice, LLC	21-106955	Ice for Marina Resale	08/02/21	63.00	47309	08/24/21
		23-104840	Ice for Marina Resale	07/29/21	84.00	47309	08/24/21
	Total 487:				147.00		
488							
488	Crystal Springs	9262940072	Water for Police Department	08/21/21	59.40	47202	08/10/21
	Total 488:				59.40		
493							
493	CUES	592314	Wastewater TV Camera System	07/29/21	17,870.00	47203	08/10/21
	Total 493:				17,870.00		
540							
540	DEMCO, Inc.	6979609	Bar Code Supplies Library	07/21/21	27.95	47204	08/10/21
	Total 540:				27.95		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
550							
550	DEQ - Dept. of Environmental Q	WQ22IND-00	Annual Compliance Fee	07/01/21	3,736.00	47205	08/10/21
Total 550:					3,736.00		
559							
559	Devin Oil Company Inc	0533.08.15.2	Public Works Fuel	08/15/21	94.02	47310	08/24/21
		0533.08.15.2	Public Works Fuel	08/15/21	94.02	47310	08/24/21
		0533.08.15.2	Public Works Fuel	08/15/21	94.02	47310	08/24/21
		0533.08.15.2	Public Works Fuel	08/15/21	94.02	47310	08/24/21
Total 559:					376.08		
596							
596	DOOLEY ENTERPRISES, INC.	61009	AMMO	07/30/21	1,197.00	47312	08/24/21
Total 596:					1,197.00		
607							
607	Ducote Consulting	1648	Umatilla:EDA Business Center	07/30/21	157.50	47207	08/10/21
		1648	Umatilla:EDA Business Center	07/30/21	157.50	47207	08/10/21
		1661	Grand Admin, CDBG Sewer Final Design	06/30/21	275.00	47207	08/10/21
		1662	Grand Admin, CDBG Water Final Design	06/30/21	170.00	47207	08/10/21
		1676	Grand Admin, CDBG Water Final Design	07/30/21	940.00	47207	08/10/21
		1677	Environmental CDBG Sewer 20009	07/30/21	617.50	47207	08/10/21
Total 607:					2,317.50		
609							
609	Duke's Auto Plus	13708	Auto Repairs	06/17/21	590.00	47313	08/24/21
		13822	Auto Repairs	08/02/21	425.00	47208	08/10/21
		13845	Auto Repairs	08/10/21	400.00	47313	08/24/21
Total 609:					1,415.00		
628							
628	East Oregonian	255480	Request to Bid	08/10/21	169.04	47314	08/24/21
		255481	Request to Bid	08/04/21	54.60	47314	08/24/21
Total 628:					223.64		
635							
635	Eastern Oregon Telecom, LLC	0317.07.12.2	Golf Course	07/12/21	103.34	47209	08/10/21
		8743.08.01.2	City Hall Internet	08/01/21	84.75	47209	08/10/21
		8743.08.01.2	Marina Internet	08/01/21	246.50	47209	08/10/21
		8743.08.01.2	City Hall Internet	08/01/21	28.25	47209	08/10/21
		8743.08.01.2	City Shop	08/01/21	117.42	47209	08/10/21
		8743.08.01.2	WWTP Internet	08/01/21	355.36	47209	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		8743.08.01.2	City Library	08/01/21	236.94	47209	08/10/21
		8743.08.01.2	Police Dept. Internet	08/01/21	237.94	47209	08/10/21
Total 635:					1,410.50		
646							
646	Edson International	6635541	Marina Suction Nozzle with Splash Guard	06/25/21	194.50	47013	Multiple
		6635541	Marina Suction Nozzle with Splash Guard	06/25/21	194.50-		
Total 646:					.00		
659							
659	Elmer's Irrigation & Supply	302888	parks supplies	07/01/21	8.62	47210	08/10/21
		303634	Golf Course Supplies	08/01/21	46.18	47210	08/10/21
		303759	Golf Course Supplies	07/14/21	34.50	47210	08/10/21
		304564	parts for L strip Repair	08/09/21	34.40	47315	08/24/21
Total 659:					123.70		
674							
674	EOTEC	2NDQTR202	2nd Qtr 2021 Tourism Promotion Assessment	06/30/21	10,451.34	47369	08/24/21
		2NDQTR202	Additional Pmt - 2nd Qtr 2021 Tourism Promotion Assessment	08/26/21	6,206.82	47372	08/26/21
Total 674:					16,658.16		
720							
720	FERGUSON WATERWORKS #3	1001437	Hydrant Meters	07/15/21	5,017.62	47211	08/10/21
Total 720:					5,017.62		
854							
854	Gordon's Electric Inc.	W15768	Police Deptartment-lights in evidence room	07/21/21	281.57	47214	08/10/21
		W15769	Marina RV Park	07/21/21	152.65	47214	08/10/21
		W15795	WWTP Lift Pump	07/26/21	437.50	47214	08/10/21
		W15799	Marina Docks	07/26/21	105.00	47214	08/10/21
		W15863	RV Park Electrical Repairs	08/04/21	211.88	47318	08/24/21
		W15870	Intertie Well	08/06/21	105.00	47318	08/24/21
Total 854:					1,293.60		
856							
856	Gotcha Covered	448401	Cleaning Services	08/08/21	443.84	47215	08/10/21
		448401	Cleaning Services	08/08/21	383.98	47215	08/10/21
		448401	Cleaning Services	08/08/21	383.98	47215	08/10/21
		448401	Cleaning Services	08/08/21	248.20	47215	08/10/21
Total 856:					1,460.00		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
862							
862	Grainger Inc.	9011628766	Golf Booster Exhaust Fan	08/04/21	112.55	47319	08/24/21
Total 862:					112.55		
864							
864	Granite Construction Company	2070132	New Cart Sheds-Golf Course	08/02/21	361.87	47320	08/24/21
Total 864:					361.87		
905							
905	H.D. Fowler Company	I586364	Fire Hydrant	08/03/21	2,827.04	47322	08/24/21
		I5877620	Nugent Park Bathrooms	08/17/21	916.66	47322	08/24/21
		I5877621	Nugent Park Bathrooms	08/17/21	482.91	47322	08/24/21
		I5879418	Nugent Park Bathrooms	08/18/21	87.97	47322	08/24/21
		I5879420	Nugent Park Bathrooms	08/18/21	687.22	47322	08/24/21
Total 905:					5,001.80		
911							
911	Hagerman Inc.	1-32572	Water Truck - Power City Water Assistance	07/30/21	3,000.00	47323	08/24/21
		1-32572	Water Truck - Parks	07/30/21	750.00	47323	08/24/21
		1-33388	Unit#10 truck parts	08/03/21	85.16	47217	08/10/21
Total 911:					3,835.16		
960							
960	Carson	CP-0032818	Gas for Public Works Vehicles	07/31/21	498.85	47300	08/24/21
		CP-0032818	Gas for Public Works Vehicles	07/31/21	814.30	47300	08/24/21
		CP-0032818	Gas for Public Works Vehicles	07/31/21	322.79	47300	08/24/21
		CP-0032818	Gas for Public Works Vehicles	07/31/21	809.41	47300	08/24/21
		IN-603971	Gas for Public Works Vehicles	07/19/21	122.11	47193	08/10/21
		IN-603971	Gas for Public Works Vehicles	07/19/21	199.33	47193	08/10/21
		IN-603971	Gas for Public Works Vehicles	07/19/21	79.02	47193	08/10/21
		IN-603971	Gas for Public Works Vehicles	07/19/21	198.14	47193	08/10/21
		IN-6044996	Marina Fuel	07/16/21	1,370.92	47193	08/10/21
		IN-607055	Gas for Public Works Vehicles	07/26/21	413.93	47193	08/10/21
		IN-607055	Gas for Public Works Vehicles	07/26/21	675.68	47193	08/10/21
		IN-607055	Gas for Public Works Vehicles	07/26/21	267.84	47193	08/10/21
		IN-607055	Gas for Public Works Vehicles	07/26/21	671.62	47193	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		IN-609745	Marina Fuel	08/02/21	4,655.84	47300	08/24/21
Total 960:					11,099.78		
966							
966	Hermiston Auto Parts, Inc.	614001	Golf Course Equipment Supplies	04/28/21	63.99	47218	08/10/21
		615916	Golf Course Equipment Supplies	06/14/21	22.47	47218	08/10/21
		616099	Parks Supplies	06/18/21	18.95	47324	08/24/21
		616256	Water Dept Supplies	06/22/21	8.97	47218	08/10/21
		616277	Golf Course Equipment	06/23/21	30.71	47324	08/24/21
		616387	street vehicle maintenance	06/25/21	88.88	47324	08/24/21
		616673	Battery for Dodge Ram	07/02/21	52.36	47324	08/24/21
		617038	Parks Supplies	07/12/21	18.57	47218	08/10/21
		617179	sewer department supplies	07/15/21	185.94	47218	08/10/21
		617531	Vehicle Maintenance	07/23/21	2.00	47218	08/10/21
		617531	Vehicle Maintenance	07/23/21	3.50	47218	08/10/21
		617531	Vehicle Maintenance	07/23/21	9.99	47218	08/10/21
		617531	Vehicle Maintenance	07/23/21	3.75	47218	08/10/21
		617531	Vehicle Maintenance	07/23/21	5.74	47218	08/10/21
		617538	Parks Supplies	07/23/21	105.42	47218	08/10/21
		617677	Parks Supplies	07/27/21	3.09	47218	08/10/21
		617835	service on Unit #17, #22	07/30/21	36.51	47324	08/24/21
		617913	streets Supplies	08/02/21	29.92	47324	08/24/21
		617920	Water Dept Supplies	08/02/21	144.96	47324	08/24/21
		618207	Water Dept Supplies	08/09/21	82.98	47324	08/24/21
		618248	Parks Supplies	08/10/21	15.38	47324	08/24/21
		618340	Parks Supplies	08/12/21	21.38	47324	08/24/21
		618344	Parks Supplies	08/12/21	99.75	47324	08/24/21
		618380	Water Dept	08/13/21	161.49	47324	08/24/21
		618608	Blower Motor Filer	08/19/21	213.07	47324	08/24/21
		618652	Vehicle Maintenance	08/20/21	6.72	47324	08/24/21
		618652	Vehicle Maintenance	08/20/21	11.75	47324	08/24/21
		618652	Vehicle Maintenance	08/20/21	33.58	47324	08/24/21
		618652	Vehicle Maintenance	08/20/21	12.59	47324	08/24/21
		618652	Vehicle Maintenance	08/20/21	19.30	47324	08/24/21
		864196	Golf Course Equipment Supplies	06/22/21	8.43	47218	08/10/21
Total 966:					1,522.14		
976							
976	Hermiston Payless Lumber Co.	2107-115826	Dug outs	07/12/21	48.53	47219	08/10/21
Total 976:					48.53		
980							
980	Hermiston Quicky Lube	492858	Oil Change	07/07/21	63.90	47325	08/24/21
		493881	Oil Change	07/19/21	47.95	47220	08/10/21
		495042	Oil Change	08/03/21	47.95	47220	08/10/21
		495835	Oil Change	08/13/21	47.95	47325	08/24/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 980:					207.75		
1012							
1012	Home Depot Credit Services	3041124	Nugent Park Dugout	06/28/21	204.28	47224	08/10/21
		3051629	Shop Tools	06/28/21	184.49	47224	08/10/21
		3051629	Shop Tools	06/28/21	184.49	47224	08/10/21
		3051629	Shop Tools	06/28/21	184.48	47224	08/10/21
		3051629	Shop Tools	06/28/21	184.48	47224	08/10/21
		3104883	Shop	06/28/21	140.50	47224	08/10/21
		3104883	Shop	06/28/21	140.50	47224	08/10/21
		3104883	Shop	06/28/21	140.50	47224	08/10/21
		5022107	Golf Course	07/06/21	61.34	47224	08/10/21
		6040908	Parks Supplies	06/25/21	33.48	47224	08/10/21
		9031960	Nugent Park Dugout	07/12/21	251.02	47224	08/10/21
		9042230	Nugent Park Dugout	07/12/21	50.91	47224	08/10/21
Total 1012:					1,760.47		
1024							
1024	HORN,ESMERALDA	SUPCERT20	Travel Expense Reimbursement	08/09/21	152.00	47287	08/12/21
Total 1024:					152.00		
1050							
1050	IDEXX Distribution Corp.	3089243843	Colilert Testing Supplies	07/26/21	445.55	47226	08/10/21
Total 1050:					445.55		
1060							
1060	Ingram	54144672	Library Books	08/04/21	34.19	47227	08/10/21
		54144673	Library Books	08/04/21	16.79	47227	08/10/21
		54144674	Library Books	08/04/21	34.19	47227	08/10/21
		54144675	Library Books	08/04/21	16.20	47227	08/10/21
		54144676	Library Books	08/04/21	18.60	47227	08/10/21
		54144677	Library Books	08/04/21	17.39	47227	08/10/21
		54144678	Library Books	08/04/21	9.75	47227	08/10/21
		54144679	Library Books	08/04/21	84.56	47227	08/10/21
		54345533	Library Books	08/18/21	51.59	47328	08/24/21
		54345534	Library Books	08/17/21	16.80	47328	08/24/21
		54345535	Library Books	08/17/21	16.20	47328	08/24/21
		54345536	Library Books	08/17/21	10.79	47328	08/24/21
		54345537	Library Books	08/17/21	151.90	47328	08/24/21
Total 1060:					478.95		
1068							
1068	Intermountain ESD	5980003095	Technology Support	07/27/21	31,689.08	47228	08/10/21
		598T073152	Surface Pro and keyboard	08/03/21	3,333.78	47228	08/10/21
		598T073405	Police Department-Durango	08/13/21	1,094.70	47329	08/24/21
		598T073427	Surface Mouse and Ipad				

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
			pro-Scheel, Marina , Public Works	08/13/21	887.58	47329	08/24/21
		598T073433	Library Computers	08/13/21	1,517.89	47329	08/24/21
		598T073436	New Staff computers	07/29/21	551.96	47329	08/24/21
Total 1068:					39,074.99		
1089							
1089	J U B Engineers, Inc.	145166	Umatilla Water Master Plan	08/09/21	11,500.73	47330	08/24/21
		145205	Umatilla Public Works Standards Update	08/10/21	477.83	47330	08/24/21
		145205	Umatilla Public Works Standards Update	08/10/21	477.84	47330	08/24/21
		145205	Umatilla Public Works Standards Update	08/10/21	477.83	47330	08/24/21
		145335	Power City-Brownell Sewer Improvements	08/17/21	1,399.50	47330	08/24/21
		145336	Power City-Brownell Water Improvements	08/17/21	5,543.80	47330	08/24/21
Total 1089:					19,877.53		
1099							
1099	James C. Fulper dba Health Opt	96023	Federal Drug Screen	08/11/21	63.00	47331	08/24/21
Total 1099:					63.00		
1112							
1112	Jimmy's Johns Portable Toilets L	14856	Marina & RV Park - 2 Units	08/01/21	195.00	47333	08/24/21
Total 1112:					195.00		
1189							
1189	KIE Supply Corp	2044245-01	Golf Course Irrigation Project	07/26/21	6,752.41	47230	08/10/21
		2046202	Parks Supplies	06/21/21	93.74	47230	08/10/21
		2046498	irrigation Caps	06/24/21	6.38	47335	08/24/21
		2047570	Sprinkler Parts	07/13/21	8.64	47230	08/10/21
		2047637	Wall Hydrant	07/14/21	601.35	47230	08/10/21
		2048343	Marina Sprinkler Restock	07/26/21	83.16	47230	08/10/21
		2048377	Sprinkler Parts	07/26/21	23.61	47230	08/10/21
		2048443	irrigation repair at PD	07/27/21	43.78	47335	08/24/21
		2048641	irrigation restock	07/29/21	342.01	47335	08/24/21
		204865	Marina Supplies	07/29/21	65.98	47335	08/24/21
		2048851	Parks Supplies	08/03/21	154.54	47230	08/10/21
		2048880	Parks Supplies	08/03/21	42.90	47230	08/10/21
		2049066	Parks Supplies	08/06/21	10.39	47230	08/10/21
		2049262	Sprinkler Parts	08/10/21	170.56	47335	08/24/21
		2049284	Sprinkler Parts	08/11/21	3.77	47335	08/24/21
		2049331	Marina Sprinkler Restock	08/11/21	3.10	47335	08/24/21
		2049580	Sprinkler Parts	08/17/21	139.58	47335	08/24/21
		2049598	Sprinkler Parts	08/17/21	17.12	47335	08/24/21
		2049616	Nugent Park	08/17/21	61.65	47335	08/24/21
		2049627	Nugent Park	08/17/21	61.29	47335	08/24/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		2049628	Nugent Park	08/17/21	8.49	47335	08/24/21
		2049758	Nugent Park Restroom	08/19/21	222.83	47335	08/24/21
Total 1189:					8,917.28		
1211							
1211	Krogh, Theresa	JULY2021	Weddings	07/30/21	100.00	47231	08/10/21
Total 1211:					100.00		
1249							
1249	LAWSON PRODUCTS	9308642708	WATER DEPT MAINTENANCE	07/22/21	189.29	47233	08/10/21
Total 1249:					189.29		
1250							
1250	League of Oregon Cities	9484	Recruiting-Building Permit Specialist	07/21/21	20.00	47234	08/10/21
		9592	HR Analyst Job Posting	08/11/21	20.00	47336	08/24/21
Total 1250:					40.00		
1253							
1253	Ledbetters' Refrigeration, Inc	38344	Golf Course-Ice Machine Repair	08/13/21	603.58	47337	08/24/21
Total 1253:					603.58		
1263							
1263	Les Schwab Tires	1801221389	mower replacement Tire	08/09/21	78.98	47338	08/24/21
		180122196	mower tire repair	08/07/21	68.99	47338	08/24/21
Total 1263:					147.97		
1311							
1311	Lucky Wash	0662	Pressure Wash City Hall	07/28/21	725.00	47238	08/10/21
Total 1311:					725.00		
1393							
1393	McCrometer, Inc.	540697 RI	Water Dept Maintenance	07/31/20	458.40	47377	08/26/21
Total 1393:					458.40		
1559							
1559	NOLAND DOOR CO INC.	45602	Umatilla Police Dept	07/09/21	120.00	47242	08/10/21
Total 1559:					120.00		
1561							
1561	Norco Inc.	32699466	Cylinder Rental	08/01/21	46.81	47243	08/10/21
		32699466	Cylinder Rental	08/01/21	46.81	47243	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 1561:					93.62		
1562							
1562	North Central Labs of Wisc	457846	lab supplies	07/28/21	105.07	47244	08/10/21
Total 1562:					105.07		
1563							
1563	North Coast Electric Co.	S011000342.	Water Dept. Tools	06/22/21	456.22	47340	08/24/21
Total 1563:					456.22		
1580							
1580	NW Farm Supply Inc.	2107-122485	Golf Course Supplies	07/14/21	86.97	47245	08/10/21
		2107-125227	Water Department Supplies	07/20/21	15.77	47245	08/10/21
		2107-126420	Parks Supplies	07/22/21	132.97	47245	08/10/21
		2107-127857	Parks Supplies	07/26/21	98.55	47245	08/10/21
		2107-12819	Parks Supplies	07/27/21	46.26	47245	08/10/21
		2107-128619	Gator Spray Tank Maint.	07/27/21	46.26	47341	08/24/21
		2107-128630	Water Department Supplies	07/27/21	12.99	47245	08/10/21
Total 1580:					439.77		
1615							
1615	One Call Concepts, Inc.	1050507	Excavation Notices	05/31/21	41.18	47342	08/24/21
		1060508	Excavation Notices	06/30/21	45.15	47342	08/24/21
		1070508	Regular Tickets, Modem Delivery	08/01/21	31.20	47248	08/10/21
Total 1615:					117.53		
1629							
1629	Oregon Assoc of Water Util	31265	Wastewater Cert Review-Mejia	07/26/21	285.00	47249	08/10/21
Total 1629:					285.00		
1636							
1636	Oregon Dept of Revenue	STATEASSE	State Court Assessments	08/01/21	23,114.73	47250	08/10/21
Total 1636:					23,114.73		
1676							
1676	OXARC Inc.	31325053	Chlorine Cylinders	08/02/21	980.50	47343	08/24/21
		31325054	Chlorine Cylinders	08/02/21	477.75	47343	08/24/21
		31325055	Chlorine Cylinders	08/02/21	955.50	47343	08/24/21
Total 1676:					2,413.75		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
1684							
1684	Pacific Power	0010.08.16.2	820 6th St.	08/16/21	43.47	47344	08/24/21
		0013.08.16.2	Highway 395 & 730 Interti Well	08/16/21	4,956.57	47344	08/24/21
		0021.07.28.2	McNary Ind. Park	07/28/21	8,095.44	47252	08/10/21
		0028.07.16.2	golf course	07/16/21	4,595.71	47252	08/10/21
		0039.07.27.2	McFarland Well	07/20/21	2,931.00	47252	08/10/21
		0062.08.16.2	Shop Complex	08/16/21	26.82	47344	08/24/21
		0070.08.16.2	8th & F SE Corner	08/16/21	49.78	47344	08/24/21
		0088.08.03.2	8th & E St.	08/03/21	14.81	47344	08/24/21
		0096.07.26.2	6th & A St.	07/26/21	19.76	47252	08/10/21
		0104.07.28.2	Street Lights	07/28/21	2,555.41	47252	08/10/21
		0112.08.16.2	800 6th St.	08/16/21	64.67	47344	08/24/21
		0112.08.16.2	700 6th St.	08/16/21	365.42	47344	08/24/21
		0112.08.16.2	700 6th St.	08/16/21	365.42	47344	08/24/21
		0112.08.16.2	700 6th St.	08/16/21	365.41	47344	08/24/21
		0146.08.16.2	Bud Draper Dr.	08/16/21	7,310.56	47344	08/24/21
		0153.08.16.2	Water Booster Station	08/16/21	4,820.74	47344	08/24/21
		0161.08.16.2	Port Well	08/16/21	7,532.96	47344	08/24/21
		0179.07.28.2	285 Radar Rd.	07/28/21	624.86	47252	08/10/21
		0187.08.16.2	Div 7 Naches Ave. Lift	08/16/21	29.15	47344	08/24/21
		0377.07.26.2	Bath House Marina	07/26/21	208.75	47252	08/10/21
		0385.07.26.2	Fish Cleaning Station	07/26/21	19.76	47252	08/10/21
		0393.07.26.2	West End Comfort Station	07/26/21	23.54	47252	08/10/21
		0401.07.26.2	15 HP Pump Marina Levy	07/26/21	477.90	47252	08/10/21
		0419.07.26.2	Quincy Ave. N 2nd @ Marina	07/26/21	137.68	47252	08/10/21
		0427.07.26.2	Marina Park	07/27/21	1,606.06	47252	08/10/21
		0435.07.26.2	1710 Quincy St.	07/26/21	225.18	47252	08/10/21
		0443.08.12.2	Marina Lights	08/12/21	135.28	47344	08/24/21
		0476.07.26.2	ABT 30322 HWY 730	07/26/21	25.10	47252	08/10/21
		0500.08.16.2	129 Walla Walla St.	08/16/21	37.19	47344	08/24/21
	Total 1684:				47,664.40		
1714							
1714	PBS Engineering & Environment	0064732.001	Business Center Hazardous Materials Survey	02/26/21	2,140.75	47253	08/10/21
		0064732.001	Business Center Hazardous Materials Survey	02/26/21	2,140.75	47253	08/10/21
		0064732.001	Business Center Hazardous Materials Survey	05/27/21	180.00	47253	08/10/21
		0064732.001	Business Center Hazardous Materials Survey	05/27/21	180.00	47253	08/10/21
	Total 1714:				4,641.50		
1715							
1715	Pea Ridge Embroidery	37612	Marina Clothing for Salud	07/23/21	73.94	47254	08/10/21
		37628	Marina Clothing for Sheena	07/27/21	73.94	47254	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		37679	Golf Course Staff	07/06/21	614.84	47345	08/24/21
Total 1715:					762.72		
1756							
1756	Pioneer Escrow	SHARPPRO	Sharp Property Earnest Money	08/12/21	27,000.00	47289	08/12/21
Total 1756:					27,000.00		
1757							
1757	Pioneer Title Company	ESCROW08.	Earnest Money for J&A Property Purchase	08/12/21	1,500.00	47378	08/26/21
Total 1757:					1,500.00		
1763							
1763	Platt	1U5915	Parks Supplies	07/28/21	55.76	47256	08/10/21
		SC94661	Public Works Supplies	07/25/21	2.60	47256	08/10/21
		SC94661	Public Works Supplies	07/25/21	2.60	47256	08/10/21
		SC94661	Public Works Supplies	07/25/21	2.60	47256	08/10/21
Total 1763:					63.56		
1791							
1791	PRO RENTAL & SALES, INC.	1561805-000	Compactor for Water Break	06/25/21	98.60	47347	08/24/21
		1563071-000	Trencher - Kiwanis Park	06/29/21	139.20	47347	08/24/21
		1563505-000	Excavator and Trailer - RV Park Maintenance	06/30/21	331.60	47347	08/24/21
		1580355-000	Nugent Park Bathrooms Demo	08/16/21	3,042.00	47347	08/24/21
		1582151-000	Nugent Park Bathrooms Demo	08/20/21	1,619.56	47347	08/24/21
		1584444-000	Nugent Park Bathrooms Demo	08/20/21	197.20	47347	08/24/21
Total 1791:					5,428.16		
1818							
1818	Quill Corporation	18226674	Programming	07/22/21	81.98	47259	08/10/21
		18246842	Office Supplies	07/22/21	26.14	47259	08/10/21
		18246842	Office Supplies	07/22/21	5.19	47259	08/10/21
		18246842	Office Supplies	07/22/21	10.47	47259	08/10/21
		18246842	Office Supplies	07/22/21	15.67	47259	08/10/21
		18246842	Office Supplies	07/22/21	15.67	47259	08/10/21
		18246842	Office Supplies	07/22/21	10.47	47259	08/10/21
		18246842	Office Supplies	07/22/21	1.55	47259	08/10/21
		18408736	Marina Cleaning Supplies	07/29/21	89.35	47259	08/10/21
		18513284	Marina Office Supplies	08/04/21	48.62	47259	08/10/21
		18720825	Office Supplies	08/11/21	8.28	47348	08/24/21
		18720825	Office Supplies	08/11/21	1.65	47348	08/24/21
		18720825	Office Supplies	08/11/21	3.32	47348	08/24/21
		18720825	Office Supplies	08/11/21	4.96	47348	08/24/21
		18720825	Office Supplies	08/11/21	4.96	47348	08/24/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		18720825	Office Supplies	08/11/21	3.32	47348	08/24/21
		18720825	Office Supplies	08/11/21	.48	47348	08/24/21
		18755119	Building Dept	08/13/21	25.99	47348	08/24/21
		18775745	Building Inspector Supplies	08/13/21	57.43	47348	08/24/21
		18849147	Office Supplies	08/11/21	2.70	47348	08/24/21
		18849147	Office Supplies	08/11/21	.54	47348	08/24/21
		18849147	Office Supplies	08/11/21	1.08	47348	08/24/21
		18849147	Office Supplies	08/11/21	1.62	47348	08/24/21
		18849147	Office Supplies	08/11/21	1.62	47348	08/24/21
		18849147	Office Supplies	08/11/21	1.08	47348	08/24/21
		18849147	Office Supplies	08/11/21	.15	47348	08/24/21
		18857531	Office Supplies	08/16/21	24.55	47348	08/24/21
		18857531	Office Supplies	08/16/21	4.88	47348	08/24/21
		18857531	Office Supplies	08/16/21	9.84	47348	08/24/21
		18857531	Office Supplies	08/16/21	14.71	47348	08/24/21
		18857531	Office Supplies	08/16/21	14.71	47348	08/24/21
		18857531	Office Supplies	08/16/21	9.84	47348	08/24/21
		18857531	Office Supplies	08/16/21	1.43	47348	08/24/21
		18884816	Office Supplies	08/17/21	10.43	47348	08/24/21
		18884816	Office Supplies	08/17/21	2.07	47348	08/24/21
		18884816	Office Supplies	08/17/21	4.18	47348	08/24/21
		18884816	Office Supplies	08/17/21	6.25	47348	08/24/21
		18884816	Office Supplies	08/17/21	6.25	47348	08/24/21
		18884816	Office Supplies	08/17/21	4.18	47348	08/24/21
		18884816	Office Supplies	08/17/21	.62	47348	08/24/21
Total 1818:					538.23		
1846							
1846	RDO Equipment Co.	P2393665	John Deere Mower Parts	06/24/21	78.15	47349	08/24/21
		P2393765	Marina Equpment Repair	06/24/21	84.55	47349	08/24/21
		P2393865	Golf Course Equipment Op	06/24/21	80.19	47349	08/24/21
		P2716865	John Deere Mower Parts	07/27/21	73.74	47260	08/10/21
		P2880365	John Deere Mower Parts	08/11/21	16.37	47349	08/24/21
		W4561565	John Deere Mower Parts	08/10/21	57.32	47349	08/24/21
Total 1846:					390.32		
1929							
1929	S.S. EQUIPMENT	IH43439	NEW Holland Tractor Repair	06/22/21	284.21	47351	08/24/21
		WH09906	Equipment Repair-Golf Course	06/29/21	1,331.42	47351	08/24/21
Total 1929:					1,615.63		
1940							
1940	SANDOVAL, NANCI	TRAVELREI	PER DIEM SUP Certification	08/09/21	152.00	47262	08/10/21
Total 1940:					152.00		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
1944							
1944	Sanitary Disposal, Transfer St	7125835	Bio Solids	06/18/21	147.83	47263	08/10/21
		712801	Bio Solids	06/18/21	135.75	47263	08/10/21
		712814	Bio Solids	06/18/21	140.63	47263	08/10/21
		712824	Bio Solids	06/18/21	139.61	47263	08/10/21
		712874	Bio Solids	06/18/21	141.92	47263	08/10/21
		712893	Bio Solids	06/18/21	152.20	47263	08/10/21
		713372	Bio Solids	06/21/21	145.00	47263	08/10/21
		713456	Bio Solids	06/22/21	138.58	47263	08/10/21
		713470	Bio Solids	06/22/21	132.15	47263	08/10/21
		713881	Bio Solids	06/24/21	80.73	47263	08/10/21
		716271	Bio Solids	06/21/21	142.69	47263	08/10/21
Total 1944:					1,497.09		
1977							
1977	Seder Architecture + Urban Des,	19	Umatilla Business Center	07/17/21	6,689.62	47265	08/10/21
		19	Umatilla Business Center	07/17/21	6,689.61	47265	08/10/21
Total 1977:					13,379.23		
2021							
2021	Simplot Grower Solutions	757133847	Parks supplies	07/26/21	168.00	47353	08/24/21
Total 2021:					168.00		
2059							
2059	Smitty's Ace Hardware	651011	Code Enforcement Supplies	05/10/21	77.98	47354	08/24/21
		655410	marina Supplies	07/20/21	21.23	47268	08/10/21
		655575	Parks Supplies	07/22/21	79.96	47268	08/10/21
		655593	marina Supplies	07/22/21	69.73	47268	08/10/21
		655600	marina Supplies	07/22/21	39.80	47268	08/10/21
		655671	Water Department supplies	07/23/21	404.88	47268	08/10/21
		655871	Code Enforcement Supplies	07/27/21	28.94	47268	08/10/21
		656207	marina Supplies	08/02/21	24.98	47354	08/24/21
		656251	Golf Course Island Repair	08/03/21	29.98	47354	08/24/21
		656495	sewer department supplies	08/06/21	60.46	47268	08/10/21
		657003	Park supplies	08/15/21	160.97	47354	08/24/21
		657184	sunset grass repair	08/18/21	54.99	47354	08/24/21
		657274	marina Supplies	08/19/21	20.95	47354	08/24/21
Total 2059:					1,074.85		
2076							
2076	Specks Printing	8499	Police department business cards	07/21/21	65.00	47269	08/10/21
		8506	Parks Programming	07/28/21	287.96	47269	08/10/21
		8514	Municipal Court Letter Head	08/03/21	152.50	47269	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 2076:					505.46		
2112							
2112	STOCKDALE, DAVE	IMCACONFE	Travel Expense for ICMA Annual Conference	10/02/21	1,979.00	47356	08/24/21
		OAMR2021	Travel Expense for OAMR	08/28/21	2,205.55	47385	08/31/21
Total 2112:					4,184.55		
2133							
2133	Swank Movie Licensing USA	3066764	Library Annual Copyright Compliance License	08/24/21	408.00	47381	08/26/21
Total 2133:					408.00		
2148							
2148	Talos Engineering, Inc.	1768	Wildwood Pumps	05/26/21	32,450.00	47358	08/24/21
Total 2148:					32,450.00		
2227							
2227	Traffic Safety Supply Co.	INV040549	Supplies	07/30/21	1,210.22	47274	08/10/21
Total 2227:					1,210.22		
2256							
2256	U.S. Bank Equipment Finance	1817163	Refunding Bonds Payment	08/01/21	260,000.00	47360	08/24/21
		1817163	Refunding Bonds Payments	08/01/21	7,648.94	47360	08/24/21
Total 2256:					267,648.94		
2264							
2264	Umatilla Chamber of Commerce	2NDQTR202	2ND QTR 2021 Support and TRT Dist	08/26/21	10,803.26	47383	08/26/21
		2NDQTR202	2ND QTR 2021 Support and TRT Dist	08/26/21	5,250.00	47383	08/26/21
Total 2264:					16,053.26		
2273							
2273	Umatilla County Finance Dept	COURTASS	County Assesment	08/01/21	2,823.89	47277	08/10/21
Total 2273:					2,823.89		
2281							
2281	Umatilla Elect. Coop. Assoc.	4907.08.01.2	Lights for Waterfall	08/01/21	36.23	47361	08/24/21
		6190.08.01.2	60 HP Pump	08/01/21	40.26	47361	08/24/21
		6190.08.01.2	Beach Access	08/01/21	70.00	47361	08/24/21
		7216.08.01.2	5 HP Sewer Pump	08/01/21	44.22	47361	08/24/21
		7216.08.01.2	Street Lights	08/01/21	103.62	47361	08/24/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 2281:					294.33		
2293							
2293	Unifirst Corporation	1430301428	Bldg Maint/Supplies CH/Library	07/23/21	49.13	47278	08/10/21
		1430301428	Bldg Maint/Supplies CH/Library	07/23/21	76.11	47278	08/10/21
		1430301428	Bldg Maint/Supplies CH/Library	07/23/21	76.10	47278	08/10/21
		1430301998	Bldg Maint/Supplies CH/Library	07/30/21	66.72	47278	08/10/21
		1430301998	Bldg Maint/Supplies CH/Library	07/30/21	103.36	47278	08/10/21
		1430301998	Bldg Maint/Supplies CH/Library	07/30/21	103.37	47278	08/10/21
		1430302546	Bldg Maint/Supplies CH/Library	08/06/21	66.91	47364	08/24/21
		1430302546	Bldg Maint/Supplies CH/Library	08/06/21	103.66	47364	08/24/21
		1430302546	Bldg Maint/Supplies CH/Library	08/06/21	103.67	47364	08/24/21
		1430303116	Bldg Maint/Supplies CH/Library	08/13/21	49.13	47364	08/24/21
		1430303116	Bldg Maint/Supplies CH/Library	08/13/21	76.11	47364	08/24/21
		1430303116	Bldg Maint/Supplies CH/Library	08/13/21	76.10	47364	08/24/21
		1430303668	Bldg Maint/Supplies CH/Library	08/05/21	49.13	47364	08/24/21
		1430303668	Bldg Maint/Supplies CH/Library	08/05/21	76.11	47364	08/24/21
		1430303668	Bldg Maint/Supplies CH/Library	08/05/21	76.10	47364	08/24/21
Total 2293:					1,151.71		
2295							
2295	Uni-Tech Communications Inc.	14517	Golf Course	06/24/21	208.75	47279	08/10/21
Total 2295:					208.75		
2299							
2299	UNITED RENTALS INC	196560997-0	Equipment Rental-Golf Course	08/09/21	1,064.22	47365	08/24/21
Total 2299:					1,064.22		
2307							
2307	UPS	0000084WV8	Postage for PD	08/14/21	28.19	47366	08/24/21
Total 2307:					28.19		
2337							
2337	Verizon Wireless	9884203253	Mobile Hotspots	07/15/21	207.42	47280	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		9885384966	Cell Phone Administrator	08/02/21	248.84	47368	08/24/21
		9885384966	Police Cell Phones	08/02/21	1,166.63	47368	08/24/21
		9885384966	Public Works Phones	08/02/21	131.47	47368	08/24/21
		9885384966	Public Works Phones	08/02/21	131.47	47368	08/24/21
		9885384966	Building Inspector Phone	08/02/21	32.00	47368	08/24/21
Total 2337:					1,917.83		
2361							
2361	Capital One	7QCR05MP7	Water Palooza Rec Program	07/13/21	99.76	47283	08/10/21
		7QCROBMP	Water Palooza Rec Program	07/13/21	54.80	47283	08/10/21
Total 2361:					154.56		
2402							
2402	Western Systems	33929	Vac Truck Repairs	07/29/21	1,371.52	47284	08/10/21
Total 2402:					1,371.52		
2503							
2503	State of Oregon	2021HORN	Notary Public Application-Esmeralda Horn	07/30/21	40.00	47270	08/10/21
		KENNEDY-L	Notary Application-Thalia Leon-Kennedy	08/16/21	40.00	47355	08/24/21
Total 2503:					80.00		
2504							
2504	Mount's Lock & Key	250362	Marina Locks and pad lock	07/13/21	402.75	47239	08/10/21
Total 2504:					402.75		
2557							
2557	Hermiston Ranch & Home	2107-664491	PPE-Matt Tassie	07/23/21	169.94	47221	08/10/21
		2108-709376	Clothing Allowance-Guadalupe Mendoza	08/17/21	339.95	47326	08/24/21
Total 2557:					509.89		
2564							
2564	Rose Hart Pest Control	31755	Hash Park Aphid Control	08/04/21	120.00	47261	08/10/21
		32022	Tree Maintenance - Golf Course	08/12/21	1,900.00	47350	08/24/21
Total 2564:					2,020.00		
2588							
2588	Visual Lab, Inc.	21689	Subscription Fee- Visual Labs Smartphone Body Camera	08/04/21	7,200.00	47282	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 2588:					7,200.00		
2604							
2604	Umatilla High School	ASBSOFTBA	Waterpalooza Food 2021-Softball	08/01/21	200.00	47362	08/24/21
Total 2604:					200.00		
2615							
2615	Shilhanek, Carol	SUPCERT	Per Diem SUP Certification	08/10/21	152.00	47266	08/10/21
Total 2615:					152.00		
2622							
2622	Foutz, Jacob	SUPCERT20	Travel Expense Reimbursement for SUP Cert	08/09/21	152.00	47212	08/10/21
		SUPCERT20	Mileage	08/09/21	77.12	47286	08/12/21
Total 2622:					229.12		
2629							
2629	Cleaver Land, LLC	JULY212021	Public Notices	07/21/21	141.87	47198	08/10/21
Total 2629:					141.87		
2695							
2695	Umpqua Research Company	T004027	Coliforms	03/16/21	240.00	47363	08/24/21
		T004028	Lab Testing-Coliforms	03/16/21	30.00	47363	08/24/21
		T004459	Lab Testing-Coliforms	05/25/21	225.00	47363	08/24/21
Total 2695:					495.00		
2723							
2723	T Mobile	8369.08.13.2	Hotspots	07/29/21	62.52	47271	08/10/21
Total 2723:					62.52		
2751							
2751	Carla McLane Consulting, LLC.	UMA-2021-0	Consulting Services	08/01/21	495.00	47299	08/24/21
Total 2751:					495.00		
2852							
2852	City of Umatilla	6002.08.20.2	Extra Refuse Marina	08/01/21	803.36	47197	08/10/21
		8092.08.20.2	Golf Course Refuse	08/01/21	114.80	47197	08/10/21
Total 2852:					918.16		
2898							
2898	TestAmerica Laboratories, Inc.	7800001495	Quarterly WET Test	07/30/21	4,057.50	47273	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 2898:					4,057.50		
2901							
2901	Anateck Labs	2110598	IWW Quarterly Metals Testing	07/23/21	503.00	47292	08/24/21
Total 2901:					503.00		
2924							
2924	Blackstone Publishing	1234287	audio books	07/22/21	30.94	47186	08/10/21
		1236975	audio books	07/14/21	81.59	47186	08/10/21
Total 2924:					112.53		
2938							
2938	Khehra Brothers LLC	AUGUST202	Pro Shop Rental	08/01/21	1,200.00	47288	08/12/21
		JULY2021	Pro Shop Rental	07/01/21	1,200.00	47288	08/12/21
Total 2938:					2,400.00		
2940							
2940	Central Square Technologies, LL	325871	E-Ticketing - Batteries for Car Printers	07/28/21	978.50	47302	08/24/21
Total 2940:					978.50		
2960							
2960	Pendleton Bottling Co.	1085636	Retail for Golf Course	07/23/21	231.65	47255	08/10/21
		1085879	Retail for Golf Course	07/30/21	199.15	47255	08/10/21
		1086118	Retail for Golf Course	08/06/21	143.35	47346	08/24/21
		1086358	Retail for Golf Course	08/13/21	124.20	47346	08/24/21
Total 2960:					698.35		
2981							
2981	Doug's Septic Service Inc.	21678	Portable Toilet-Golf Course	07/31/21	225.00	47206	08/10/21
Total 2981:					225.00		
2993							
2993	Oregon Liquor Control Commissi	LICENSE RE	Golf Course OLCC License	08/01/21	400.00	47251	08/10/21
Total 2993:					400.00		
2995							
2995	Vern's Food Service Distribution	146925-00	Water Palooza	07/23/21	201.18	47281	08/10/21
Total 2995:					201.18		
3002							
3002	Bridgestone Golf, Inc.	1003020150	Golf Course Supplies	07/28/21	85.80	47188	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 3002:					85.80		
3006							
3006	Cobra Puma Golf	DC/166971	Golf Course Retail for Pro Shop	08/16/21	57.94-	47305	Multiple
		DC/166971	Golf Course Retail for Pro Shop	08/16/21	57.94		
		DC166493	Golf Course Retail for Pro Shop	08/05/21	62.40-	47199	08/10/21
		DC166971-1	Credit on Golf Course Retail	08/16/21	57.94-	47370	08/26/21
		G2612041	Golf Course Retail for Pro Shop	07/20/21	241.50	47199	08/10/21
		G2612868	Golf Course Retail for Pro Shop	07/19/21	80.12	47199	08/10/21
		G2619418	Golf Course Retail for Pro Shop	07/23/21	134.72	47199	08/10/21
		G2629149	Golf Course Retail for Pro Shop	07/30/21	237.72	47199	08/10/21
		G2644565	Golf Course Retail for Pro Shop	08/12/21	120.75	47305	Multiple
		G2644565	Golf Course Retail for Pro Shop	08/12/21	120.75-		
		G2644565-1	Golf Course Retail for Pro Shop	08/12/21	120.75	47370	08/26/21
Total 3006:					694.47		
3022							
3022	Nakonechny, Lyle	06-02-2021	Archaeological Monitoring-Wanapa Road	05/30/21	10,200.00	47240	08/10/21
		8-2-20221	Archaeological Monitoring-Wanapa Road	07/30/21	11,400.00	47240	08/10/21
Total 3022:					21,600.00		
3024							
3024	Hodgen Distributing	235880	Retail Product for Golf Course	07/20/21	167.14	47222	08/10/21
		236853	Retail Product for Golf Course	08/03/21	369.44	47222	08/10/21
		237368	Retail Product for Golf Course	08/10/21	306.09	47327	08/24/21
		237816	Retail Product for Golf Course	08/17/21	240.27	47327	08/24/21
Total 3024:					1,082.94		
3038							
3038	Taylor Made Golf Company Inc.	35206249	Merchandise for Pro Shop	07/16/21	280.11	47272	08/10/21
		35258604	Merchandise for Pro Shop	08/05/21	110.58	47272	08/10/21
		35259373	Credit on Merchandise for Pro Shop	08/05/21	68.38-	47272	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 3038:					322.31		
3042							
3042	Keister, Hannah	SUPCERTIFI	Travel Reimbursement	08/09/21	152.00	47334	08/24/21
Total 3042:					152.00		
3043							
3043	DirectTV	039513239X	TV for Golf Course	08/15/21	111.98	47311	08/24/21
Total 3043:					111.98		
3049							
3049	Creative Signs	52219	Window Graphics	06/24/21	1,400.00	47201	08/10/21
Total 3049:					1,400.00		
3050							
3050	James Dean Construction, INC.	PAYREQUES	Wanapa Road and Utilities Extension Project	08/02/21	710,585.75	47229	08/10/21
Total 3050:					710,585.75		
3071							
3071	Portable Storage Rentals	1433	Deposit on Golf Cart Sheds	06/17/21	8,460.00	46988	07/01/21
		1433	Deposit on Golf Cart Sheds	06/17/21	47,940.00	47258	08/10/21
Total 3071:					56,400.00		
3073							
3073	Mejia Ortega, Hazael	082521	WW Plant Operator III Exam	08/25/21	204.00	47339	08/24/21
		TRAVELREI	WWTP Training	08/09/21	382.78	47384	08/31/21
Total 3073:					586.78		
3078							
3078	Sundet, Samuel	01200826-00	Refund for cancellation	08/20/21	74.28	47380	08/26/21
		01200826-00	Refund for cancellation	08/20/21	5.72	47380	08/26/21
		01200826-00	Refund for cancellation	08/13/21	74.28	47357	08/24/21
		01200826-00	Refund for cancellation	08/13/21	5.72	47357	08/24/21
Total 3078:					160.00		
3109							
3109	Olson, Erick	WATERPALO	Water Palooza	07/27/21	200.00	47247	Multiple
		WATERPALO	Water Palooza	07/27/21	200.00-		
Total 3109:					.00		
3110							
3110	Liebe, Sonny	WATERPALO	reimbursement for water				

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
			palooza supplies	07/27/21	89.41	47235	08/10/21
Total 3110:					89.41		
3111							
3111	Pomeroy, Michael	PESTICIDET	Reimubursement for Pesticide Testing	07/23/21	116.00	47257	08/10/21
Total 3111:					116.00		
3112							
3112	Scholastic Inc.	30543529	library supplies	07/19/21	40.68	47180	08/10/21
Total 3112:					40.68		
3113							
3113	Advanced Overhead Doors, LLC	1618(COU)	Marina Doors	07/23/21	1,150.00	47181	08/10/21
Total 3113:					1,150.00		
3115							
3115	Bode Technology	35142	PD Collection Kit	08/02/21	168.06	47187	08/10/21
Total 3115:					168.06		
3116							
3116	Savory Butcher	211669FARL	Paid Wrong Court-John Farley 211669	08/01/21	440.00	47264	08/10/21
		211670WEAT	Paid Wrong Court-William Weatherford 211670	08/01/21	440.00	47264	08/10/21
Total 3116:					880.00		
3117							
3117	Longoria, Marcus Allen	211720LONG	Paid wrong court-Marcus Allen Longoria	08/01/21	165.00	47236	08/10/21
Total 3117:					165.00		
3118							
3118	Trilink Logistic Inc,	HARSI21172	Paid Wrong Court-Dasharathsingh Harsi 211729	08/01/21	440.00	47275	08/10/21
Total 3118:					440.00		
3119							
3119	Cardenas Ibarra, Alfredo	211650IBAR	Overpayment 211650	08/01/21	100.00	47192	08/10/21
Total 3119:					100.00		
3120							
3120	Allison, Michael	211757ALLIS	Paid Wrong Court Michael Allison	08/01/21	165.00	47183	08/10/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 3120:					165.00		
3121							
3121	Smart, Brittany	211761SMA	Paid Wrong Court-Brittany Smart	08/01/21	165.00	47267	08/10/21
Total 3121:					165.00		
3122							
3122	Lake, James	211762LAKE	Paid Wrong Court-James Lake	08/01/21	215.00	47232	08/10/21
Total 3122:					215.00		
3123							
3123	Columbia Valley Battery Inc.	211719FRIE	Overpayment	08/01/21	215.00	47200	08/10/21
Total 3123:					215.00		
3124							
3124	Old Empire	201339DALG	Overpyament David Dalger	08/01/21	440.00	47246	08/10/21
Total 3124:					440.00		
3125							
3125	Golladay, Amanda	211646GOLL	Bail Refund	08/01/21	400.00	47213	08/10/21
Total 3125:					400.00		
3126							
3126	Looman, Patty	BUSINESSLI	Refund Business Licesnse	08/01/21	40.00	47237	08/10/21
Total 3126:					40.00		
3127							
3127	Greater Hermiston City Fest	SPONSORS	Greater Hermiston CityFest Sponsorship	08/01/21	3,000.00	47216	08/10/21
Total 3127:					3,000.00		
3128							
3128	Horman, Chet	08.24.21	Reimbursement for Safety Vest	08/24/21	13.00	47375	08/26/21
		REIMBURSE	Fish Tongs for Marina	08/03/21	4.88	47225	08/10/21
Total 3128:					17.88		
3129							
3129	Twin Rivers Heating and Cooling	I210805211	HVAC unit at the Marina	08/05/21	395.00	47276	08/10/21
Total 3129:					395.00		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
3130							
3130	Hodges, Lorena	735MILLERL	Utility Refund	07/20/21	116.31	47223	08/10/21
Total 3130:					116.31		
3131							
3131	Nichollsconcretellc	06.25.2021	Kiwanis Park	06/25/21	7,500.00	47241	08/10/21
Total 3131:					7,500.00		
3133							
3133	Tiebout, Veronica	01210811-00	RV Cancellation	08/13/21	37.17	47359	08/24/21
		01210811-00	RV Cancellation	08/13/21	2.86	47359	08/24/21
Total 3133:					40.03		
3134							
3134	Lundgren, Cory	SLIPRELEA	Slip Release	08/12/21	130.00	47376	08/26/21
Total 3134:					130.00		
3135							
3135	Spratley, David	SLIPRELEA	Slip Release	08/12/21	110.00	47379	08/26/21
Total 3135:					110.00		
3136							
3136	Jemenez, Felipe	01210803-00	RV Cancellation	08/07/21	37.14	47332	08/24/21
		01210803-00	RV Cancellation	08/07/21	2.86	47332	08/24/21
Total 3136:					40.00		
3137							
3137	Glaze, Larry	01210510-00	Slip Release	08/02/21	85.00	47317	08/24/21
Total 3137:					85.00		
3138							
3138	Sager, Sheena	OLCCTRAINI	Reimburse for OLCC Training	08/16/21	44.00	47352	08/24/21
Total 3138:					44.00		
3139							
3139	Columbia Basin Ice	10437	Ice for Marina Resale	08/10/21	68.40	47306	08/24/21
Total 3139:					68.40		
3140							
3140	Fischer, WR	393ORCHAR	utility refund	08/01/21	36.20	47316	08/24/21
Total 3140:					36.20		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
3141							
3141	Verdugo, Margarita	VERDUGO2	Wedding Ceremony Refund	08/01/21	70.00	47367	08/24/21
Total 3141:					70.00		
3142							
3142	Claustro, Itzel	NWGIA2021	NWGIA Conference	08/15/21	335.50	47304	08/24/21
Total 3142:					335.50		
3143							
3143	Guerrero, Destiny	DROPBOX4	drop box refund	08/16/21	300.00	47321	08/24/21
Total 3143:					300.00		
3144							
3144	Gale, Darrell	B4	Slip Release	08/06/21	178.32	47373	08/26/21
Total 3144:					178.32		
3145							
3145	Holliday, Roy	H16	Slip Release	08/02/21	110.00	47374	08/26/21
Total 3145:					110.00		
3146							
3146	Columbia Basin Bait	279154	Bait for marina resale	08/21/21	261.40	47371	08/26/21
Total 3146:					261.40		
3147							
3147	Thompson, Jeff	01210823-00	Tent Site Cancellation	08/24/21	18.10	47382	08/26/21
		01210823-00	Tent Site Cancellation	08/24/21	1.90	47382	08/26/21
Total 3147:					20.00		
Grand Totals:					1,481,030.69		

Report Criteria:
Detail report type printed

CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
September Paid Invoices	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
Finance & Administrative Services	Melissa Ince	Melissa ince	

Cost of Proposal:	**Fund(s) Name and Number(s):**
N/A **Amount Budgeted:** N/A	N/A

Reviewed by Finance Department:	**Previously Presented:**
Yes	N/A

Attachments to Agenda Packet Item:

September 2021 Paid Invoices.pdf

Summary Statement:
Motion to approve

Consistent with Council Goals:
Goal 4: Increase Public Involvement, Create a Culture of Transparency with the Public, and Enhance Cultural Diversity.

Report Criteria:
Detail report type printed

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
7							
7	A & M Supply	3044614	Credit on Golf Course Overpayment	05/17/21	115.48-	47387	09/14/21
		3045892	Golf Course	06/09/21	39.18	47387	09/14/21
		3050176	Golf Course	08/20/21	162.43	47387	09/14/21
Total 7:					86.13		
9							
9	A Plus Connectors	214810	Marina Supplies - HDock Repairs	09/08/21	8.81	47496	09/24/21
Total 9:					8.81		
13							
13	A-1 Industrial Hose & Supply	268590	Supplies for Water Depart.	09/10/21	63.13	47497	09/24/21
Total 13:					63.13		
55							
55	All American Heating and Coolin	15746	POLICE DEPT-MAINT.	08/18/21	105.00	47388	09/14/21
Total 55:					105.00		
102							
102	Aramark Uniform Services, Inc.	5290000513	Police Mats	06/04/21	252.27	47499	09/24/21
		5290000602	Police Mats	06/18/21	252.27	47499	09/24/21
		5290000602	Mats and Towels	06/18/21	187.57	47499	09/24/21
Total 102:					692.11		
114							
114	ARSL	61305	Membership	07/22/21	29.00	47500	09/24/21
Total 114:					29.00		
148							
148	Banner Bank Mastercard	0715.08.24.2	PW 1/4 Saftey Meeting	08/24/21	71.00	47389	09/14/21
		0715.08.24.2	PW 1/4 Saftey Meeting	08/24/21	71.00	47389	09/14/21
		0715.08.24.2	PW 1/4 Saftey Meeting	08/24/21	71.00	47389	09/14/21
		0715.08.24.2	PW 1/4 Saftey Meeting	08/24/21	71.00	47389	09/14/21
		0715.08.24.2	Lunch with Leon	08/24/21	19.32	47389	09/14/21
		0715.08.24.2	Lunch with Leon	08/24/21	19.31	47389	09/14/21
		0715.08.24.2	Lunch with Leon	08/24/21	19.31	47389	09/14/21
		0715.08.24.2	Lunch with Leon	08/24/21	19.32	47389	09/14/21
		0715.08.24.2	Lunch with Leon	08/24/21	7.25	47389	09/14/21
		0715.08.24.2	Lunch with Leon	08/24/21	7.25	47389	09/14/21
		0715.08.24.2	Lunch with Leon	08/24/21	7.25	47389	09/14/21
		0715.08.24.2	Lunch with Leon	08/24/21	7.26	47389	09/14/21
		0715.08.24.2	Reservation Hotel Booking	08/24/21	4.99	47389	09/14/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		0715.08.24.2	Hotel Reservation	08/24/21	4.99	47389	09/14/21
		0715.08.24.2	Hotel Reservation	08/24/21	4.99	47389	09/14/21
		0715.08.24.2	Hotel Reservation	08/24/21	5.00	47389	09/14/21
		0715.08.24.2	Hotel Reservation for PNCWA	08/24/21	391.43	47389	09/14/21
		0715.08.24.2	Hotel Reservation for PNCWA	08/24/21	391.43	47389	09/14/21
		0715.08.24.2	PNCWA Conference	08/24/21	362.50	47389	09/14/21
		0715.08.24.2	PNCWA Conference	08/24/21	362.50	47389	09/14/21
		2217.08.24.2	TLO Transunion	08/24/21	75.00	47389	09/14/21
		2217.08.24.2	Rae's Dayz-National Night Out Hot Dogs	08/24/21	45.00	47389	09/14/21
		2217.08.24.2	ODOT DMB New Charger and Durangeo	08/24/21	265.00	47389	09/14/21
		2217.08.24.2	Gateway Express Taxi-SDC Conference	08/24/21	49.92	47389	09/14/21
		2970.08.24.2	Amazon-Recreational Supplies	08/24/21	117.99	47389	09/14/21
		2970.08.24.2	Adobe-Photoshop	08/24/21	20.99	47389	09/14/21
		2970.08.24.2	Amazon-Recreational Supplies	08/24/21	25.98	47389	09/14/21
		3132.08.24.2	Clothing allowance	08/24/21	5.50	47389	09/14/21
		3132.08.24.2	Clothing Allowance	08/24/21	5.50	47389	09/14/21
		3132.08.24.2	Clothing Allowance	08/24/21	5.50	47389	09/14/21
		3132.08.24.2	Clothing Allowance	08/24/21	5.49	47389	09/14/21
		3132.08.24.2	McMinnville Inn-Hazael Mejia Training	08/24/21	93.66	47389	09/14/21
		3132.08.24.2	McMinnville Inn-Hazael Mejia Training	08/24/21	248.65	47389	09/14/21
		3132.08.24.2	Inn at Seaside-training	08/24/21	1,210.52	47389	09/14/21
		3132.08.24.2	Inn at Seaside-training	08/24/21	1,210.52	47389	09/14/21
		3132.08.24.2	Inn at Seaside-training	08/24/21	1,210.52	47389	09/14/21
		3132.08.24.2	Cloting Allowance	08/24/21	5.48	47389	09/14/21
		3132.08.24.2	Clothing Allowance	08/24/21	5.48	47389	09/14/21
		3132.08.24.2	Clothing Allowance	08/24/21	5.48	47389	09/14/21
		3132.08.24.2	Clothing Allowance	08/24/21	5.48	47389	09/14/21
		39.60.08.24.	Golf Course Merch.	08/24/21	58.80	47389	09/14/21
		39.60.08.24.	SUP Training Hotel	08/24/21	217.48	47389	09/14/21
		39.60.08.24.	SUP Training Hotel	08/24/21	217.48	47389	09/14/21
		39.60.08.24.	SUP Training-Hotel	08/24/21	217.48	47389	09/14/21
		39.60.08.24.	SUP Training-Hotel	08/24/21	217.48	47389	09/14/21
		39.60.08.24.	SUP Training-Hotel	08/24/21	271.83	47389	09/14/21
		39.60.08.24.	Golf Course Merch	08/24/21	80.70	47389	09/14/21
		39.60.08.24.	Flowers-Bighill-Birth of Son	08/24/21	80.00	47389	09/14/21
		39.60.08.24.	SUP Cert. Registration'	08/24/21	85.00	47389	09/14/21
		39.60.08.24.	Unoclean-Marina Supplies	08/24/21	84.50	47389	09/14/21
		5571.08.24.2	OSMB-Waterway Access Permits	08/24/21	165.00	47389	09/14/21
		5571.08.24.2	Recording Fees	08/24/21	165.72	47389	09/14/21
		5571.08.24.2	Recreational Program	08/24/21	700.00	47389	09/14/21
		5571.08.24.2	Car Rental-Conference-Foutz	08/24/21	233.52	47389	09/14/21
		5571.08.24.2	PRO Member SUP Fee	08/24/21	170.00	47389	09/14/21
		5571.08.24.2	Drone Map Subscription	08/24/21	489.04	47389	09/14/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		5919.08.24.2	Halloween	08/24/21	3,508.75	47389	09/14/21
		5919.08.24.2	Meeting Lunch	08/24/21	54.48	47389	09/14/21
		5919.08.24.2	Indeed Job Postings	08/24/21	1,054.27	47389	09/14/21
		5919.08.24.2	Street Sweeper	08/24/21	3,743.24	47389	09/14/21
		5919.08.24.2	Library Supplies	08/24/21	9.99	47389	09/14/21
		7126.08.24.2	Vern's Food Service	08/24/21	269.88	47389	09/14/21
		7126.08.24.2	Frito Lay Snacks	08/24/21	138.20	47389	09/14/21
		7126.08.24.2	Amazon Cart Part-Resale	08/24/21	50.99	47389	09/14/21
		7126.08.24.2	Walmart-Printer Ink	08/24/21	84.91	47389	09/14/21
		8328.08.24.2	PSUPA Pro Membership	08/24/21	85.00	47389	09/14/21
		8328.08.24.2	Walmart-MicroSD Storage for Jacob	08/24/21	15.48	47389	09/14/21
		8328.08.24.2	LogMeIn-Phone Bill	08/24/21	20.55	47389	09/14/21
		8328.08.24.2	Microsoft-upgrade for Golf Course	08/24/21	99.00	47389	09/14/21
		8328.08.24.2	Amazon-Power Cord for Brandon	08/24/21	18.99	47389	09/14/21
		8328.08.24.2	Amazon-training gear for PSUPA	08/24/21	99.95	47389	09/14/21
		8328.08.24.2	LogMeIn-Phone Bill	08/24/21	20.55	47389	09/14/21
		8328.08.24.2	LogMeIn-Phone Bill	08/24/21	6.85	47389	09/14/21
		8328.08.24.2	LogMeIn-Phone Bill	08/24/21	6.84	47389	09/14/21
		8328.08.24.2	LogMeIn-Phone Bill	08/24/21	212.29	47389	09/14/21
		8328.08.24.2	LogMeIn-Phone Bill	08/24/21	6.84	47389	09/14/21
		8328.08.24.2	LogMeIn-Phone Bill	08/24/21	6.85	47389	09/14/21
		8328.08.24.2	LogMeIn-Phone Bill	08/24/21	6.85	47389	09/14/21
		8336.08.24.2	Amazon-PD Supplies	08/24/21	42.85	Multiple	Multiple
		8336.08.24.2	Amazon-PD Supplies	08/24/21	5.99	Multiple	Multiple
		8336.08.24.2	Amazon-National Night Out	08/24/21	136.44	Multiple	Multiple
		8336.08.24.2	Amazon-Uniform Allowance	08/24/21	189.95	Multiple	Multiple
		8336.08.24.2	Walmart-National Night Out	08/24/21	12.49	Multiple	Multiple
		8336.08.24.2	Sirchie-Evidence Bags	08/24/21	77.42	Multiple	Multiple
		8336.08.24.2	Amazon-Uniform Allowance	08/24/21	179.95	Multiple	Multiple
		8336.08.24.2	Amazon-PD Supplies	08/24/21	44.18	Multiple	Multiple
		8336.08.24.2	Amazon-PD Supplies	08/24/21	6.99	Multiple	Multiple
		8336.08.24.2	Amazon-PD Supplies	08/24/21	24.48	Multiple	Multiple
		8336.08.24.2	Amazon Credit-Uniform Allowance	08/24/21	189.95-	47492	09/16/21
	Total 148:				20,041.33		
155							
155	Barnett & Moro, P.C.	20-21AUDIT	Annual Audit	09/01/21	13,000.00	47390	09/14/21
	Total 155:				13,000.00		
276							
276	Builders FirstSource	84088392	Marina Supplies - HDock Repairs	09/08/21	64.98	47503	09/24/21
	Total 276:				64.98		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
293							
293	Buttercreek Equipment, Inc.	58491	Kubota Keys	08/02/21	37.80	47392	09/14/21
Total 293:					37.80		
320							
320	Canon Solutions America, Inc	4037222195	COPIER MAINTENANCE	08/24/21	69.48	47394	09/14/21
		4037319022	COPIER MAINTENANCE	09/01/21	269.86	47394	09/14/21
Total 320:					339.34		
351							
351	Cascade Natural Gas Corp.	1092.08.25.2	700 6th St.	08/25/21	4.66	47397	09/14/21
		1092.08.25.2	700 6th St.	08/25/21	4.66	47397	09/14/21
		1092.08.25.2	700 6th St.	08/25/21	4.66	47397	09/14/21
		3033.08.25.2	82959 Draper St.	08/25/21	12.61	47397	09/14/21
		7846.08.25.2	830 6th St.	08/25/21	12.61	47397	09/14/21
		7851.08.25.2	822 6TH ST.	08/25/21	12.61	47397	09/14/21
		8476.08.25.2	Sewer PLant-1205 W. 3rd St.	08/25/21	26.92	47397	09/14/21
Total 351:					78.73		
355							
355	Casiday Battery Co.	13455	Golf Cart Repair	08/13/21	13.80	47398	09/14/21
		13525	WWTP	08/27/21	16.95	47398	09/14/21
		13560	Battery Backup Dewatering PLC	09/03/21	109.95	47505	09/24/21
Total 355:					140.70		
360							
360	CCI SOLUTIONS	30453326	LIBRARY SUPPLIES	09/10/21	14.43	47506	09/24/21
Total 360:					14.43		
362							
362	Center Point Large Print	1873794	Large Print Books for Library	09/01/21	140.22	47400	09/14/21
Total 362:					140.22		
367							
367	CenturyLink	678B.08.25.2	Police Dept Phones	08/25/21	91.08	47401	09/14/21
Total 367:					91.08		
391							
391	CI INFORMATION MANAGMEN	0122767	Onsite document shred-Police Dept.	08/31/21	47.85	47507	09/24/21
		0122768	Onsite document shred	08/31/21	47.85	47507	09/24/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
	Total 391:				95.70		
394							
394	City County Insurance Services	UMA-GASB7	2020 GASB 75 Valuation	08/27/21	743.50	47402	09/14/21
	Total 394:				743.50		
406							
406	Cleary Building Corp	SAWDUSTB	Garbage Refund	09/08/21	40.00	47404	09/14/21
	Total 406:				40.00		
435							
435	Commercial Tire	270363	Police Dept-tires	08/30/21	1,154.00	47406	09/14/21
		270397	Public Works-Tires	07/01/21	98.12	47406	09/14/21
		270397	Public Works Tires	07/01/21	98.12	47406	09/14/21
		270397	Public Works Tires	07/01/21	98.12	47406	09/14/21
		270397	Public Works Tires	07/01/21	98.12	47406	09/14/21
		272503	Tires for PD	08/23/21	325.66	47406	09/14/21
		272946	Public Works-Dodge Ram	08/31/21	123.62	47406	09/14/21
		272946	Public Works Dodge Ram	08/31/21	123.62	47406	09/14/21
		272946	Public Works-Dodge Ram	08/31/21	123.62	47406	09/14/21
		272946	Public Works-Dodge Ram	08/31/21	123.62	47406	09/14/21
		272949	WWTP Backhoe	08/31/21	1,507.42	47406	09/14/21
	Total 435:				3,874.04		
439							
439	Concrete Special Ties, Inc.	66707	Concrete Supplies	08/17/21	286.16	47308	08/24/21
		66707	Concrete Supplies	08/17/21	16.27	47407	09/14/21
	Total 439:				302.43		
484							
484	Crown Paper & Janitorial	306846	Golf Course Supplies	08/16/21	263.46	47411	09/14/21
	Total 484:				263.46		
487							
487	Crystal Clear Ice, LLC	20-103667	Ice for Marina Resale	09/03/21	58.80	47510	09/24/21
		21-107242	Ice for Marina Resale	09/14/21	84.00	47510	09/24/21
	Total 487:				142.80		
488							
488	Crystal Springs	9262940091	Water for Police Department	09/15/21	80.89	47511	09/24/21
	Total 488:				80.89		
550							
550	DEQ - Dept. of Environmental Q	WQ22DOM-0	Water Quality Permit -				

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
			NPDES	09/14/21	4,450.00	47512	09/24/21
Total 550:					4,450.00		
559							
559	Devin Oil Company Inc	327452	Golf Course Fuel	08/06/21	878.15	47513	09/24/21
		327682	Public Works Fuel	09/10/21	498.75	47513	09/24/21
		327683	Public Works Fuel	09/10/21	216.10	47513	09/24/21
		327777	Golf Course Fuel	08/24/21	299.47	47513	09/24/21
		327951	Public Works Fuel	09/10/21	402.69	47513	09/24/21
		327951	Public Works Fuel	09/10/21	402.69	47513	09/24/21
		327951	Public Works Fuel	09/10/21	402.69	47513	09/24/21
		327951	Public Works Fuel	09/10/21	402.69	47513	09/24/21
		327951	Public Works Fuel	09/10/21	402.69	47513	09/24/21
		CL61907	PD Fuel	08/15/21	1,006.34	47412	09/14/21
		CL62013-IN	Public Works Fuel	08/31/21	286.90	47412	09/14/21
		CL62013-IN	Public Works Fuel	08/31/21	286.90	47412	09/14/21
		CL62013-IN	Public Works Fuel	08/31/21	286.90	47412	09/14/21
		CL62013-IN	Public Works Fuel	08/31/21	286.90	47412	09/14/21
		CL62013-IN	Public Works Fuel	08/31/21	286.89	47412	09/14/21
		CL62014-IN	PD Fuel	08/31/21	1,684.96	47412	09/14/21
		CL62269	Public Works Fuel	09/15/21	225.56	47513	09/24/21
		CL62269	Public Works Fuel	09/15/21	225.56	47513	09/24/21
		CL62269	Public Works Fuel	09/15/21	225.55	47513	09/24/21
		CL62269	Public Works Fuel	09/15/21	225.56	47513	09/24/21
		CL62270	PD Fuel	09/15/21	1,685.20	47513	09/24/21
Total 559:					10,619.14		
573							
573	Dike, Karen	09.23.2021	Background Investigation-Wilson	09/23/21	500.00	47514	09/24/21
Total 573:					500.00		
596							
596	DOOLEY ENTERPRISES, INC.	61147	AMMO	08/20/21	2,134.79	47413	09/14/21
Total 596:					2,134.79		
628							
628	East Oregonian	072114328	Advertising	09/22/21	23.90	47516	09/24/21
		082114328	Advertising	08/31/21	60.96	47516	09/24/21
		242539	Marina Recruiting	05/01/21	806.80	47415	09/14/21
		242542	Recruiting: Marina	05/01/21	786.80	47415	09/14/21
		250524	Marina & RV Park Camp Host	07/06/21	992.80	47516	09/24/21
		251413	Building Permit Specialist Recruiting	07/10/21	728.80	47516	09/24/21
		253831	Recruiting Pro Shop Attendants	07/29/21	748.80	47516	09/24/21
		254457	Recruiting Library Director	08/05/21	740.80	47516	09/24/21
		257153	Recruiting HR Analyst	08/26/21	778.80	47516	09/24/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
	Total 628:				5,668.46		
635							
635	Eastern Oregon Telecom, LLC	0317.09.01.2	Golf Course	09/01/21	103.34	47416	09/14/21
		8743.09.01.2	Marina Internet	09/01/21	246.50	47416	09/14/21
		8743.09.01.2	City Hall Internet	09/01/21	13.23	47416	09/14/21
		8743.09.01.2	Shop Internet	09/01/21	72.34	47416	09/14/21
		8743.09.01.2	WWTP Internet	09/01/21	310.28	47416	09/14/21
		8743.09.01.2	City Hall Internet	09/01/21	39.68	47416	09/14/21
		8743.09.01.2	City Hall Internet	09/01/21	236.94	47416	09/14/21
		8743.09.01.2	Police Dept. Internet	09/01/21	237.93	47416	09/14/21
	Total 635:				1,260.24		
659							
659	Elmer's Irrigation & Supply	304401	Golf Course Supplies	08/04/21	125.81	47417	09/14/21
		304564	parts for L strip Repair	08/09/21	34.40	47315	08/24/21
		304564	parts for L strip Repair	08/09/21	292.00	47417	09/14/21
		305602	Frost free rebuild kits	09/14/21	62.37	47517	09/24/21
	Total 659:				514.58		
688							
688	ESRI Inc.	26035914	ArcGIS System Annual Maintenance/Support	09/01/21	1,500.00	47418	09/14/21
	Total 688:				1,500.00		
755							
755	Foreman, Christopher	NRPA2021	Travel Reimbursement-NRPA Conference	09/20/21	244.00	47421	09/14/21
	Total 755:				244.00		
764							
764	Pryor Learning Solutions	5734866	Training-Susie Sotelo	09/07/21	199.00	47462	09/14/21
	Total 764:				199.00		
817							
817	GG's Smokehouse Catering	FISHINGTHE	Fishing the Brave	09/15/21	2,242.50	47493	09/16/21
	Total 817:				2,242.50		
854							
854	Gordon's Electric Inc.	W15953	Marina Office	08/24/21	797.65	47423	09/14/21
		W15974	WWTP VFD	08/27/21	3,272.55	47423	09/14/21
		W15987	Street Light Maint.	08/31/21	533.04	47423	09/14/21
	Total 854:				4,603.24		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
856							
856	Gotcha Covered	448402	Cleaning Services	09/06/21	443.84	47424	09/14/21
		448402	Cleaning Services	09/06/21	383.98	47424	09/14/21
		448402	Cleaning Services	09/06/21	383.98	47424	09/14/21
		448402	Cleaning Services	09/06/21	248.20	47424	09/14/21
Total 856:					1,460.00		
905							
905	H.D. Fowler Company	I5873537	Water Dept Supplies Meters etc	08/12/21	1,232.79	47425	09/14/21
		I5879431	Water Dept Supplies Meters etc	08/19/21	202.35	47425	09/14/21
Total 905:					1,435.14		
911							
911	Hagerman Inc.	1-33549	Water Truck Rental	08/10/21	750.00	47520	09/24/21
		1-33619	Truck Repair	08/12/21	415.11	47520	09/24/21
Total 911:					1,165.11		
931							
931	Harrington, Derek	09.16.2021	clothing reimbursement	09/16/21	99.50	47494	09/16/21
		09.16.2021	clothing reimbursement	09/16/21	59.70	47494	09/16/21
		09.16.2021	clothing reimbursement	09/16/21	19.90	47494	09/16/21
		09.16.2021	clothing reimbursement	09/16/21	19.90	47494	09/16/21
		09.16.2021	clothing reimbursement	09/16/21	15.18	47521	09/24/21
		09.16.2021	clothing reimbursement	09/16/21	15.18	47521	09/24/21
		09.16.2021	clothing reimbursement	09/16/21	15.18	47521	09/24/21
		09.16.2021	clothing reimbursement	09/16/21	15.19	47521	09/24/21
Total 931:					259.73		
960							
960	Carson	CP-0032716	Police Dept Fuel	07/31/21	3,729.07	47396	09/14/21
		CP-0033359	Gas for Public Works Vehicles	08/31/21	205.38	47396	09/14/21
		CP-0033359	Gas for Public Works Vehicles	08/31/21	335.25	47396	09/14/21
		CP-0033359	Gas for Public Works Vehicles	08/31/21	132.89	47396	09/14/21
		CP-0033359	Gas for Public Works Vehicles	08/31/21	333.23	47396	09/14/21
		IN-614857	WWTP	08/18/21	322.64	47396	09/14/21
Total 960:					5,058.46		
966							
966	Hermiston Auto Parts, Inc.	619194	Waste Water Dept	09/03/21	47.52	47522	09/24/21
		619457	Waste Water Dept	09/10/21	20.28	47522	09/24/21
		619613	Marina Supplies	09/15/21	16.14	47522	09/24/21
		619639	Waste Water Dept	09/15/21	170.94	47522	09/24/21
		619654	Parks Supplies	09/16/21	33.49	47522	09/24/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		619660	Water Dept Supplies	09/16/21	414.76	47522	09/24/21
		619664	Water Dept Supplies	09/16/21	72.00-	47522	09/24/21
		619758	street vehicle maintenance	09/20/21	49.48	47522	09/24/21
		870730	Golf Course Equipment	08/24/21	33.01	47426	09/14/21
Total 966:					713.62		
967							
967	Hermiston Chamber of Commer	263	Annual Membership	09/01/21	325.00	47523	09/24/21
Total 967:					325.00		
976							
976	Hermiston Payless Lumber Co.	210116951	Nugent Park	08/16/21	60.36	47427	09/14/21
Total 976:					60.36		
994							
994	High Performance Signs	25429	Decal for Golf Course	08/27/21	400.00	47429	09/14/21
Total 994:					400.00		
1012							
1012	Home Depot Credit Services	1045387	Nugent Park Dugout	08/19/21	1,482.68	47431	09/14/21
		2043676	Parks Supplies	07/29/21	100.54	47431	09/14/21
		3101377	Supplies for Shop	08/17/21	57.90	47431	09/14/21
		3101377	Supplies for Shop	08/17/21	57.90	47431	09/14/21
		5100632	Drip Line Repair	08/29/21	10.00	47431	09/14/21
		9514885	Water Palooza	07/22/21	163.54	47431	09/14/21
Total 1012:					1,872.56		
1024							
1024	HORN,ESMERALDA	NRPA2021	NRPA Conference Nashville, TN	09/20/21	244.00	47433	09/14/21
Total 1024:					244.00		
1068							
1068	Intermountain ESD	598T073246	Scout Series Ipad	08/05/21	54.95	47435	09/14/21
		598T073313	UAG Case for Surface Pro	07/28/21	240.12	47435	09/14/21
Total 1068:					295.07		
1089							
1089	J U B Engineers, Inc.	145575	Umatilla On-Call Engineering Services	08/24/21	1,461.28	47436	09/14/21
		145575	Umatilla On-Call Engineering Services	08/24/21	1,461.29	47436	09/14/21
		145578	Umatilla Development Engineering Review	08/24/21	767.80	47436	09/14/21
		145590	Umatilla Wastewater Facilities Plan	08/24/21	29,735.24	47436	09/14/21
		145593	City of Umatilla-Marina				

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
			Electrical Review	08/24/21	6,000.00	47436	09/14/21
		145594	Umatilla -6th Street Improvements: L to Switzler	08/24/21	462.00	47436	09/14/21
		145598	Wanapa Road and Utilities Extension	08/24/21	29,014.36	47436	09/14/21
		145599	City of Umatilla-Risk and Resilience Assessment	08/24/21	3,929.50	47436	09/14/21
		145600	Umatilla Pedestrian Bridge And Waterline Replacement	08/24/21	9,512.61	47436	09/14/21
		145600	Umatilla Pedestrian Bridge And Waterline Replacement	08/24/21	2,669.29	47436	09/14/21
		145880	Umatilla Water Master Plan	09/06/21	20,373.41	47436	09/14/21
		145907	Power City-Brownell Water Improvements	09/07/21	12,573.23	47436	09/14/21
		145910	Power City-Brownell Sewer Improvements	09/07/21	2,964.50	47436	09/14/21
Total 1089:					120,924.51		
1112							
1112	Jimmy's Johns Portable Toilets L	15133	Marina & RV Park - 2 Units	09/01/21	195.00	47528	09/24/21
		15134	nugent park	09/01/21	166.00	47528	09/24/21
Total 1112:					361.00		
1189							
1189	KIE Supply Corp	2046871	Water Dept Supplies	07/30/21	47.78	47438	09/14/21
		2049700	Nugent Park Restroom	08/25/21	2,474.54	47529	09/24/21
		2049980	Golf Course	08/24/21	26.90	47438	09/14/21
		2050763	Marina Sprinkler Restock	09/09/21	316.04	47438	09/14/21
		2050784	Water Dept Supplies	09/09/21	20.82	47438	09/14/21
		2050850	Waste Water Dept	09/10/21	110.60	47529	09/24/21
		2051039	Nugent Park Restroom	09/15/21	45.56	47529	09/24/21
Total 1189:					3,042.24		
1201							
1201	Knowbuddy Resources	ARU0321230	Books for Library	06/02/21	86.96	47439	09/14/21
Total 1201:					86.96		
1211							
1211	Krogh, Theresa	AUGUST202	Weddings	09/01/21	150.00	47440	09/14/21
Total 1211:					150.00		
1257							
1257	LEHR	SI64562	OUTFIT POLICE VEHICLE	08/19/21	1,650.00	47530	09/24/21
		SI64763	OUTFIT POLICE VEHICLE	08/26/21	5.14	47530	09/24/21
		SI64993	OUTFIT POLICE VEHICLE	08/31/21	14.22	47441	09/14/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 1257:					1,669.36		
1268							
1268	Lexipol LLC	INVLEX3947	Annual Law Enforcement Policy Manual & Training	09/01/21	4,737.60	47443	09/14/21
Total 1268:					4,737.60		
1393							
1393	McCrometer, Inc.	554440RI	New Swer Meters PDX2/PDX63	08/27/21	13,613.19	47447	09/14/21
Total 1393:					13,613.19		
1561							
1561	Norco Inc.	32939542	Cylinder Rental	08/24/21	46.81	47450	09/14/21
		32939542	Cylinder Rental	08/24/21	46.81	47450	09/14/21
Total 1561:					93.62		
1566							
1566	Northeast Oregon Water Assoc	301	Annual Membership Dues	06/25/21	1,000.00	47451	09/14/21
Total 1566:					1,000.00		
1580							
1580	NW Farm Supply Inc.	2108-14411	Park Supplies	08/31/21	129.99	47453	09/14/21
		2108-144111	Spray truck pump replacement	08/31/21	129.99	47534	09/24/21
		2109-148281	Parks Supplies	09/10/21	62.28	47534	09/24/21
Total 1580:					322.26		
1628							
1628	Oregon Assoc Chiefs of Police	2175	Conference Registration-Keith Kennedy	09/08/21	225.00	47535	09/24/21
Total 1628:					225.00		
1636							
1636	Oregon Dept of Revenue	AUGUST202	State Court Assessments	09/01/21	18,717.26	47454	09/14/21
Total 1636:					18,717.26		
1676							
1676	OXARC Inc.	31348161	Marina Supplies	09/01/21	33.48	47455	09/14/21
		31354227	parks supplies	09/10/21	62.80	47536	09/24/21
Total 1676:					96.28		
1684							
1684	Pacific Power	0010.09.15.2	820 6th St.	09/15/21	43.99	47537	09/24/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		0013.09.15.2	Highway 395 & 730 Interti Well	09/15/21	3,972.41	47537	09/24/21
		0021.08.26.2	McNary Ind. Park	08/26/21	7,361.75	47456	09/14/21
		0028.08.18.2	golf course	08/18/21	4,460.32	47456	09/14/21
		0039.08.26.2	McFarland Well	08/26/21	2,498.90	47456	09/14/21
		0070.09.15.2	8th & F SE Corner	09/15/21	50.99	47537	09/24/21
		0096.08.24.2	6th & A St.	08/24/21	19.68	47456	09/14/21
		0104.08.26.2	Street Lights	08/26/21	2,573.26	47456	09/14/21
		0112.09.15.2	800 6th St.	09/15/21	66.60	47537	09/24/21
		0112.09.15.2	700 6th St.	09/15/21	325.96	47537	09/24/21
		0112.09.15.2	700 6th St.	09/15/21	325.95	47537	09/24/21
		0112.09.15.2	700 6th St.	09/15/21	325.95	47537	09/24/21
		0120.08.20.2	632 D St. Umatilla OR	08/20/21	740.75	47456	09/14/21
		0120.09.15.2	632 D St. Umatilla OR	09/15/21	1,338.98	47537	09/24/21
		0146.09.15.2	Bud Draper Dr.	09/15/21	6,904.10	47537	09/24/21
		0153.09.15.2	Water Booster Station	09/15/21	4,277.49	47537	09/24/21
		0161.09.15.2	Port Well	09/15/21	6,564.42	47537	09/24/21
		0179.08.26.2	285 Radar Rd.	08/26/21	541.33	47456	09/14/21
		0187.09.15.2	Div 7 Naches Ave. Lift	09/15/21	29.43	47537	09/24/21
		0377.08.24.2	Bath House Marina	08/24/21	193.19	47456	09/14/21
		0385.08.23.2	Fish Cleaning Station	08/23/21	23.21	47456	09/14/21
		0393.08.24.2	West End Comfort Station	08/24/21	23.50	47456	09/14/21
		0401.08.24.2	15 HP Pump Marina Levy	08/24/21	471.95	47456	09/14/21
		0419.08.24.2	Quincy Ave. N 2nd @ Marina	08/24/21	128.64	47456	09/14/21
		0427.08.23.2	Marina Park	08/23/21	1,480.48	47456	09/14/21
		0435.08.24.2	1710 Quincy St.	08/24/21	210.10	47456	09/14/21
		0443.09.13.2	Marina Lights	09/13/21	135.28	47537	09/24/21
		0476.08.24.2	ABT 30322 HWY 730	08/24/21	25.12	47456	09/14/21
		0500.09.15.2	129 Walla Walla St.	09/15/21	37.49	47537	09/24/21
Total 1684:					45,151.22		
1715							
1715	Pea Ridge Embroidery	37745	Embroider Caps	08/27/21	2,260.60	47538	09/24/21
		37747	Clothing Allowance-Caldera	08/27/21	52.96	47457	09/14/21
Total 1715:					2,313.56		
1763							
1763	Platt	1S01256	Water Supplies	06/23/21	519.98	47540	09/24/21
		SC98366	Parks Supplies	08/25/21	1.95	47459	09/14/21
		SC98366	Water Supplies	08/25/21	1.95	47459	09/14/21
		SC98366	Sewer Supplies	08/25/21	1.95	47459	09/14/21
		SC98366	Street Supplies	08/25/21	1.95	47459	09/14/21
Total 1763:					527.78		
1791							
1791	PRO RENTAL & SALES, INC.	1589265-000	Equipment Repair	08/30/21	203.00	47461	09/14/21
		1590686-000	Water Dept.	09/01/21	69.99	47461	09/14/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 1791:					272.99		
1818							
1818	Quill Corporation	17122550	Office Supplies	06/01/21	8.90	47464	09/14/21
		17122550	Office Supplies	06/01/21	1.77	47464	09/14/21
		17122550	Office Supplies	06/01/21	3.57	47464	09/14/21
		17122550	Office Supplies	06/01/21	5.33	47464	09/14/21
		17122550	Office Supplies	06/01/21	5.33	47464	09/14/21
		17122550	Office Supplies	06/01/21	3.57	47464	09/14/21
		17122550	Office Supplies	06/01/21	.52	47464	09/14/21
		17123056	Office Supplies	05/28/21	12.14	47464	09/14/21
		17123056	Office Supplies	05/28/21	2.41	47464	09/14/21
		17123056	Office Supplies	05/28/21	4.86	47464	09/14/21
		17123056	Office Supplies	05/28/21	7.28	47464	09/14/21
		17123056	Office Supplies	05/28/21	7.28	47464	09/14/21
		17123056	Office Supplies	05/28/21	4.86	47464	09/14/21
		17123056	Office Supplies	05/28/21	.71	47464	09/14/21
		17151172	Office Supplies	06/01/21	3.99	47464	09/14/21
		17151172	Office Supplies	06/01/21	.79	47464	09/14/21
		17151172	Office Supplies	06/01/21	1.60	47464	09/14/21
		17151172	Office Supplies	06/01/21	2.39	47464	09/14/21
		17151172	Office Supplies	06/01/21	2.39	47464	09/14/21
		17151172	Office Supplies	06/01/21	1.60	47464	09/14/21
		17151172	Office Supplies	06/01/21	.23	47464	09/14/21
		17185749	Marina Supplies	06/03/21	166.62	47464	09/14/21
		17219578	Golf Course Supplies	06/04/21	159.99	47464	09/14/21
		17245974	Golf Course Supplies	06/04/21	69.04	47464	09/14/21
		17246074	Office Supplies	06/04/21	28.14	47464	09/14/21
		17246074	Office Supplies	06/04/21	5.59	47464	09/14/21
		17246074	Office Supplies	06/04/21	11.27	47464	09/14/21
		17246074	Office Supplies	06/04/21	16.86	47464	09/14/21
		17246074	Office Supplies	06/04/21	16.86	47464	09/14/21
		17246074	Office Supplies	06/04/21	11.27	47464	09/14/21
		17246074	Office Supplies	06/04/21	1.66	47464	09/14/21
		17313021	Office Supplies	06/08/21	73.66	47541	09/24/21
		17313021	Office Supplies	06/08/21	14.64	47541	09/24/21
		17313021	Office Supplies	06/08/21	29.51	47541	09/24/21
		17313021	Office Supplies	06/08/21	44.15	47541	09/24/21
		17313021	Office Supplies	06/08/21	44.15	47541	09/24/21
		17313021	Office Supplies	06/08/21	29.51	47541	09/24/21
		17313021	Office Supplies	06/08/21	4.30	47541	09/24/21
		17436067	Office Supplies	06/15/21	3.93	47464	09/14/21
		17436067	Office Supplies	06/15/21	.78	47464	09/14/21
		17436067	Office Supplies	06/15/21	1.57	47464	09/14/21
		17436067	Office Supplies	06/15/21	2.35	47464	09/14/21
		17436067	Office Supplies	06/15/21	2.35	47464	09/14/21
		17436067	Office Supplies	06/15/21	1.57	47464	09/14/21
		17436067	Office Supplies	06/15/21	.24	47464	09/14/21
		17683838	Parks Programing Supplies	06/21/21	551.96	47464	09/14/21
		18469746	Marina Supplies	08/02/21	122.20	47464	09/14/21
		18470479	Office Supplies	08/02/21	1.49	47464	09/14/21
		18470479	Office Supplies	08/02/21	.30	47464	09/14/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		18470479	Office Supplies	08/02/21	.60	47464	09/14/21
		18470479	Office Supplies	08/02/21	.89	47464	09/14/21
		18470479	Office Supplies	08/02/21	.89	47464	09/14/21
		18470479	Office Supplies	08/02/21	.60	47464	09/14/21
		18470479	Office Supplies	08/02/21	.08	47464	09/14/21
		18679567	Office Supplies	08/10/21	56.76	47464	09/14/21
		18679567	Office Supplies	08/10/21	11.28	47464	09/14/21
		18679567	Office Supplies	08/10/21	22.74	47464	09/14/21
		18679567	Office Supplies	08/10/21	34.02	47464	09/14/21
		18679567	Office Supplies	08/10/21	34.02	47464	09/14/21
		18679567	Office Supplies	08/10/21	22.74	47464	09/14/21
		18679567	Office Supplies	08/10/21	3.33	47464	09/14/21
		18923926	Office Supplies	08/19/21	30.68	47464	09/14/21
		18923926	Office Supplies	08/19/21	6.10	47464	09/14/21
		18923926	Office Supplies	08/19/21	12.29	47464	09/14/21
		18923926	Office Supplies	08/19/21	18.39	47464	09/14/21
		18923926	Office Supplies	08/19/21	18.39	47464	09/14/21
		18923926	Office Supplies	08/19/21	12.29	47464	09/14/21
		18923926	Office Supplies	08/19/21	1.81	47464	09/14/21
		18926274	Marina Supplies	08/19/21	34.28	47464	09/14/21
		18982777	Office Supplies	09/23/21	19.34	47464	09/14/21
		18982777	Office Supplies	09/23/21	3.84	47464	09/14/21
		18982777	Office Supplies	09/23/21	7.75	47464	09/14/21
		18982777	Office Supplies	09/23/21	11.59	47464	09/14/21
		18982777	Office Supplies	09/23/21	11.59	47464	09/14/21
		18982777	Office Supplies	09/23/21	7.75	47464	09/14/21
		18982777	Office Supplies	09/23/21	1.13	47464	09/14/21
		18983244	Office Supplies	08/23/21	79.98	47464	09/14/21
		18983244	Office Supplies	08/23/21	15.89	47464	09/14/21
		18983244	Office Supplies	08/23/21	32.04	47464	09/14/21
		18983244	Office Supplies	08/23/21	47.94	47464	09/14/21
		18983244	Office Supplies	08/23/21	47.94	47464	09/14/21
		18983244	Office Supplies	08/23/21	32.04	47464	09/14/21
		18983244	Office Supplies	08/23/21	4.69	47464	09/14/21
		18990333	Office Supplies	08/23/21	49.42	47464	09/14/21
		18990333	Office Supplies	08/23/21	9.82	47464	09/14/21
		18990333	Office Supplies	08/23/21	19.80	47464	09/14/21
		18990333	Office Supplies	08/23/21	29.62	47464	09/14/21
		18990333	Office Supplies	08/23/21	29.62	47464	09/14/21
		18990333	Office Supplies	08/23/21	19.80	47464	09/14/21
		18990333	Office Supplies	08/23/21	2.91	47464	09/14/21
		18991459	Office Supplies	08/23/21	2.02	47464	09/14/21
		18991459	Office Supplies	08/23/21	.40	47464	09/14/21
		18991459	Office Supplies	08/23/21	.81	47464	09/14/21
		18991459	Office Supplies	08/23/21	1.21	47464	09/14/21
		18991459	Office Supplies	08/23/21	1.21	47464	09/14/21
		18991459	Office Supplies	08/23/21	.81	47464	09/14/21
		18991459	Office Supplies	08/23/21	.13	47464	09/14/21
		19055009	Office Supplies	08/24/21	110.20	47464	09/14/21
		19055009	Office Supplies	08/24/21	21.90	47464	09/14/21
		19055009	Office Supplies	08/24/21	44.15	47464	09/14/21
		19055009	Office Supplies	08/24/21	66.05	47464	09/14/21
		19055009	Office Supplies	08/24/21	66.05	47464	09/14/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		19055009	Office Supplies	08/24/21	44.15	47464	09/14/21
		19055009	Office Supplies	08/24/21	6.45	47464	09/14/21
		19124527	Office Supplies	08/25/21	13.81	47464	09/14/21
		19124527	Office Supplies	08/25/21	2.74	47464	09/14/21
		19124527	Office Supplies	08/25/21	5.53	47464	09/14/21
		19124527	Office Supplies	08/25/21	8.28	47464	09/14/21
		19124527	Office Supplies	08/25/21	8.28	47464	09/14/21
		19124527	Office Supplies	08/25/21	5.53	47464	09/14/21
		19124527	Office Supplies	08/25/21	.82	47464	09/14/21
		19190903	supplies for building dept.	08/30/21	37.67	47541	09/24/21
		19394291	Office Supplies	09/02/21	39.88	47541	09/24/21
		19394291	Office Supplies	09/02/21	7.92	47541	09/24/21
		19394291	Office Supplies	09/02/21	15.98	47541	09/24/21
		19394291	Office Supplies	09/02/21	23.90	47541	09/24/21
		19394291	Office Supplies	09/02/21	23.90	47541	09/24/21
		19394291	Office Supplies	09/02/21	15.98	47541	09/24/21
		19394291	Office Supplies	09/02/21	2.34	47541	09/24/21
		19394546	Office Supplies	09/09/21	5.31	47541	09/24/21
		19394546	Office Supplies	09/09/21	1.05	47541	09/24/21
		19394546	Office Supplies	09/09/21	2.13	47541	09/24/21
		19394546	Office Supplies	09/09/21	3.18	47541	09/24/21
		19394546	Office Supplies	09/09/21	3.18	47541	09/24/21
		19394546	Office Supplies	09/09/21	2.13	47541	09/24/21
		19394546	Office Supplies	09/09/21	.31	47541	09/24/21
		19462162	Office Supplies	09/13/21	12.52	47541	09/24/21
		19462162	Office Supplies	09/13/21	2.49	47541	09/24/21
		19462162	Office Supplies	09/13/21	5.02	47541	09/24/21
		19462162	Office Supplies	09/13/21	7.50	47541	09/24/21
		19462162	Office Supplies	09/13/21	7.50	47541	09/24/21
		19462162	Office Supplies	09/13/21	5.02	47541	09/24/21
		19462162	Office Supplies	09/13/21	.73	47541	09/24/21
		19467665	Office Supplies	09/09/21	13.81	47541	09/24/21
		19467665	Office Supplies	09/09/21	2.74	47541	09/24/21
		19467665	Office Supplies	09/09/21	5.53	47541	09/24/21
		19467665	Office Supplies	09/09/21	8.28	47541	09/24/21
		19467665	Office Supplies	09/09/21	8.28	47541	09/24/21
		19467665	Office Supplies	09/09/21	5.53	47541	09/24/21
		19467665	Office Supplies	09/09/21	.82	47541	09/24/21
		19469952	Office Supplies	09/13/21	5.22	47541	09/24/21
		19469952	Office Supplies	09/13/21	1.04	47541	09/24/21
		19469952	Office Supplies	09/13/21	2.09	47541	09/24/21
		19469952	Office Supplies	09/13/21	3.13	47541	09/24/21
		19469952	Office Supplies	09/13/21	3.13	47541	09/24/21
		19469952	Office Supplies	09/13/21	2.09	47541	09/24/21
		19469952	Office Supplies	09/13/21	.29	47541	09/24/21
		19500971	Office Supplies	09/14/21	59.21	47541	09/24/21
		19500971	Office Supplies	09/14/21	11.77	47541	09/24/21
		19500971	Office Supplies	09/14/21	23.72	47541	09/24/21
		19500971	Office Supplies	09/14/21	35.49	47541	09/24/21
		19500971	Office Supplies	09/14/21	35.49	47541	09/24/21
		19500971	Office Supplies	09/14/21	23.72	47541	09/24/21
		19500971	Office Supplies	09/14/21	3.47	47541	09/24/21
		19564336	Marina Cleaning Supplies	09/15/21	46.99	47541	09/24/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		19575439	Marina Office Supplies	09/15/21	749.39	47541	09/24/21
		19575570	Marina Cleaning Supplies	09/16/21	95.94	47541	09/24/21
Total 1818:					4,087.50		
1827							
1827	Rae's Dayz Diner & Cakery, LLC	1	Boyd Sharp Memorial Luncheon	09/15/21	1,000.00	47495	09/16/21
Total 1827:					1,000.00		
1846							
1846	RDO Equipment Co.	LATECH1	Golf Course Equipment Op	06/30/21	3.56	47465	09/14/21
		LATECH2	Golf Course Equipment Op	07/31/21	6.36	47465	09/14/21
		P2169465	Golf Course Equipment Op	05/28/21	28.63	47465	09/14/21
		P2395765	Golf Course Equipment Op	06/24/21	36.85	47465	09/14/21
		P3128065	Marina Equipment	09/13/21	101.14	47542	09/24/21
		P6012462	Golf Course Equipment Op	05/12/21	327.18	47465	09/14/21
		P6722762	Golf Course Equipment Op	07/27/21	200.98	47465	09/14/21
		W4551965	John Deere Mower Parts	08/10/21	584.12	47465	09/14/21
		W4553965	Golf Course Equipment Op	08/09/21	719.57	47465	09/14/21
		W4575565	John Deere Mower Parts	08/25/21	646.59	47465	09/14/21
		W4586265	John Deere Mower Parts	09/16/21	1,088.20	47542	09/24/21
Total 1846:					3,743.18		
1943							
1943	Sanitary Disposal, Inc.	AUGUST202	Refuse Collection	09/20/21	79,716.15	47543	09/24/21
		AUGUST202	Refuse Collection	09/20/21	12,754.58-	47543	09/24/21
		RASHELL M	Refund for Rachelle Medellin	09/08/21	150.00	47467	09/14/21
Total 1943:					67,111.57		
1944							
1944	Sanitary Disposal, Transfer St	720575	Nugent Park Demo	08/09/21	145.26	47544	09/24/21
		720707	Nugent Park Demo	08/10/21	104.64	47544	09/24/21
		720720	Nugent Park Demo	09/10/21	105.41	47544	09/24/21
		720735	Nugent Park Demo	08/10/21	65.82	47544	09/24/21
		720882	Nugent Park Demo	08/11/21	68.13	47544	09/24/21
		720898	Nugent Park Demo	08/11/21	86.39	47544	09/24/21
		720925	Nugent Park Demo	08/11/21	102.84	47544	09/24/21
		720935	Nugent Park Demo	08/11/21	145.78	47544	09/24/21
		720988	Nugent Park Demo	08/11/21	89.73	47544	09/24/21
		721051	Nugent Park Demo	09/12/21	235.25	47544	09/24/21
		721072	Nugent Park Demo	08/12/21	210.56	47544	09/24/21
		722385	Nugent Park Demo	08/20/21	31.11	47544	09/24/21
Total 1944:					1,390.92		
1977							
1977	Seder Architecture + Urban Des,	20	Umatilla Business Center	09/07/21	1,578.37	47468	09/14/21
		20	Umatilla Business Center	09/07/21	1,578.36	47468	09/14/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 1977:					3,156.73		
1981							
1981	SEITZ, BRANDON	NRPA2021	Travel Reimbursement	09/08/21	244.00	47469	09/14/21
Total 1981:					244.00		
1989							
1989	Setina Mgf Co., Inc.	230615	Full Transport Seat	08/23/21	908.43	47470	09/14/21
Total 1989:					908.43		
2000							
2000	Shelco Electric Inc.	69355	Golf Course	09/07/21	95.00	47545	09/24/21
Total 2000:					95.00		
2059							
2059	Smitty's Ace Hardware	656091	Park Supplies	07/30/21	56.98	47472	09/14/21
		656155	Golf Course	08/01/21	158.93	47472	09/14/21
		656549	Golf Course	08/07/21	20.58	47472	09/14/21
		656686	Golf Course	08/08/21	79.66	47472	09/14/21
		657104	Golf Course	08/17/21	13.98	47472	09/14/21
		657347	Golf Course	08/20/21	67.15	47472	09/14/21
		657587	marina Supplies	08/25/21	57.53	47472	09/14/21
		657717	marina Supplies	08/27/21	31.48	47472	09/14/21
		657735	Golf Course	08/27/21	41.98	47472	09/14/21
		657866	marina Supplies	08/30/21	19.68	47472	09/14/21
		657995	marina Supplies	09/01/21	20.00	47472	09/14/21
		658376	marina Supplies	09/09/21	14.59	47546	09/24/21
		658398	Employee Allowance	09/09/21	49.99	47546	09/24/21
		658399	Water Dept. Supplies	09/09/21	23.56	47546	09/24/21
		658403	Code Enforcement Supplies	09/09/21	22.36	47546	09/24/21
		658445	Welcome Center Maint.	09/10/21	49.97	47546	09/24/21
		658583	Golf Course	09/13/21	44.55	47546	09/24/21
		658798	marina Supplies	09/17/21	55.41	47546	09/24/21
		658799	shop supplies	09/17/21	67.10	47546	09/24/21
		658943	marina Supplies	09/20/21	39.83	47546	09/24/21
		659031	marina Supplies	09/22/21	51.82	47546	09/24/21
Total 2059:					987.13		
2076							
2076	Specks Printing	8547	Business Cards-Foutz	08/25/21	75.00	47473	09/14/21
Total 2076:					75.00		
2100							
2100	Sterling Codifiers	10454	City Code Updates	08/31/21	712.00	47474	09/14/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 2100:					712.00		
2138							
2138	SYNCHRONY BANK/AMAZON	4667584543	Library programming	07/29/21	28.94	47475	09/14/21
Total 2138:					28.94		
2171							
2171	Territorial Supplies, Inc.	14641	Uniform Allowance	09/02/21	157.10	47478	09/14/21
Total 2171:					157.10		
2227							
2227	Traffic Safety Supply Co.	INV040866	Signage	08/11/21	1,183.00	47479	09/14/21
		INV041496	Street Signs	08/26/21	4,306.86	47479	09/14/21
Total 2227:					5,489.86		
2268							
2268	Umatilla County Attn: Finance	AUGUST202	County Court Assessments	09/01/21	2,304.94	47480	09/14/21
Total 2268:					2,304.94		
2281							
2281	Umatilla Elect. Coop. Assoc.	4907.09.01.2	Lights for Waterfall	09/01/21	34.62	47547	09/24/21
		6190.09.01.2	60 HP Pump	09/01/21	38.48	47547	09/24/21
		6190.09.01.2	Beach Access	09/01/21	70.00	47547	09/24/21
		7216.09.01.2	5 HP Sewer Pump	09/01/21	41.42	47547	09/24/21
		7216.09.01.2	Industrial Discharge Facility	09/01/21	74.45	47547	09/24/21
		7216.09.01.2	Street Lights	09/01/21	26.88	47547	09/24/21
Total 2281:					285.85		
2287							
2287	Umatilla Museum & Historical Fo	GOLFSPON	GOLF TOURNAMENT SPONSORSHIP	09/15/21	500.00	47491	09/15/21
Total 2287:					500.00		
2293							
2293	Unifirst Corporation	1430304234	Bldg Maint/Supplies CH/Library	08/27/21	49.13	47483	09/14/21
		1430304234	Bldg Maint/Supplies CH/Library	08/27/21	76.11	47483	09/14/21
		1430304234	Bldg Maint/Supplies CH/Library	08/27/21	76.10	47483	09/14/21
		1430304793	Bldg Maint/Supplies CH/Library	09/03/21	49.93	47483	09/14/21
		1430304793	Bldg Maint/Supplies CH/Library	09/03/21	77.35	47483	09/14/21
		1430304793	Bldg Maint/Supplies CH/Library	09/03/21	77.34	47483	09/14/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
		1430305363	Bldg Maint/Supplies CH/Library	09/10/21	49.13	47549	09/24/21
		1430305363	Bldg Maint/Supplies CH/Library	09/10/21	76.11	47549	09/24/21
		1430305363	Bldg Maint/Supplies CH/Library	09/10/21	76.10	47549	09/24/21
	Total 2293:				607.30		
2299							
2299	UNITED RENTALS INC	197720362-0	Nugent Park Restroom	09/07/21	939.78	47550	09/24/21
	Total 2299:				939.78		
2337							
2337	Verizon Wireless	9886373070	Mobile Hotspots	08/15/21	245.96	47487	09/14/21
		9887556545	Cell Phone Administrator	09/01/21	317.58	47551	09/24/21
		9887556545	Police Cell Phones	09/01/21	1,149.26	47551	09/24/21
		9887556545	Building Inspector Phone	09/01/21	31.94	47551	09/24/21
		9887556545	Public Works Phones	09/01/21	52.57	47551	09/24/21
		9887556545	Public Works Phones	09/01/21	52.56	47551	09/24/21
		9887556545	Public Works Phones	09/01/21	52.57	47551	09/24/21
		9887556545	Public Works Phones	09/01/21	52.57	47551	09/24/21
		9887556545	Public Works Phones	09/01/21	52.57	47551	09/24/21
	Total 2337:				2,007.58		
2361							
2361	Capital One	0512036559	Program Supplies	07/22/21	55.59	47395	09/14/21
		39120969711	Rec. Program	07/28/21	80.10	47395	09/14/21
		8012097052	Program Supplies	07/28/21	9.96	47395	09/14/21
		83120177110	supplies for Park's Rec. Programming	07/20/21	115.81	47395	09/14/21
		8312156796	Program Supplies	08/03/21	114.67	47395	09/14/21
	Total 2361:				376.13		
2396							
2396	Wesley Wise Excavating	DOLLARGE	Deposit Refund	09/09/21	1,052.02	47488	09/14/21
	Total 2396:				1,052.02		
2401							
2401	Western States Equipment Co.	IN001765142	Waste Water Generator	09/02/21	627.49	47553	09/24/21
	Total 2401:				627.49		
2557							
2557	Hermiston Ranch & Home	2108-716499	water dept supplies	08/21/21	39.99	47428	09/14/21
		2108-725736	Clothing Allowance-Bighill	08/26/21	54.97	47428	09/14/21
		2108-725736	Clothing Allowance-Bighill	08/26/21	54.96	47428	09/14/21
		2108-726663	waste water supplies	08/27/21	19.98	47428	09/14/21
		2109-751062	Uniform allowance-Hazael				

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
			Mejia	09/02/21	344.94	47524	09/24/21
Total 2557:					514.84		
2605							
2605	Veliz, Pete	SLIPRELEA	Slip Release	09/01/21	85.00	47486	09/14/21
Total 2605:					85.00		
2612							
2612	Hermiston Transportation	1208	Taxi Ticket Redemption	08/01/21	578.00	47525	09/24/21
Total 2612:					578.00		
2622							
2622	Foutz, Jacob	DRONECON	Conference Reimbursment	09/06/21	311.16	47422	09/14/21
		DRONECON	Conference Reimbursment	09/06/21	77.79	47422	09/14/21
Total 2622:					388.95		
2695							
2695	Umpqua Research Company	M062375	Lab Tests	07/09/21	330.00	47482	09/14/21
		M063002	Lab Tests	08/30/21	250.00	47548	09/24/21
		T004813	Coliforms	07/16/21	250.00	47482	09/14/21
		T005054	Coliforms	08/19/21	250.00	47482	09/14/21
Total 2695:					1,080.00		
2723							
2723	T Mobile	8369.08.22.2	Library hotspots	08/22/21	46.46	47476	09/14/21
Total 2723:					46.46		
2751							
2751	Carla McLane Consulting, LLC.	UMA-2021-0	Consulting Services-UBG Project	09/01/21	82.50	47504	09/24/21
Total 2751:					82.50		
2797							
2797	Quadient Leasing USA, Inc.	N8997382	postage meter lease payment	08/12/21	193.50	47463	09/14/21
		N8997382	postage meter lease payment	08/12/21	193.50	47463	09/14/21
Total 2797:					387.00		
2808							
2808	CB's LLC Portable Restrooms a	A-52688	Golf Course	07/02/21	190.00	47399	09/14/21
Total 2808:					190.00		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
2852							
2852	City of Umatilla	6002.08.31.2	Marina Refuse	08/31/21	803.36	47403	09/14/21
		8092.08.31.2	Golf Course Refuse	08/31/21	114.80	47403	09/14/21
Total 2852:					918.16		
2897							
2897	Revd Up	4210	Application Use Fees FY 2021	09/01/21	1,840.00	47466	09/14/21
Total 2897:					1,840.00		
2924							
2924	Blackstone Publishing	1243734	audio books	09/09/21	119.73	47501	09/24/21
		1244651	audio books	09/13/21	7.95	47501	09/24/21
Total 2924:					127.68		
2960							
2960	Pendleton Bottling Co.	1086529	Retail for Golf Course	08/18/21	22.30	47458	09/14/21
		1086581	Retail for Golf Course	08/20/21	249.20	47458	09/14/21
		1086892	Retail for Golf Course	08/27/21	225.50	47458	09/14/21
		1087347	Retail for Golf Course	09/10/21	232.20	47539	09/24/21
Total 2960:					729.20		
2981							
2981	Doug's Septic Service Inc.	22077	Portable Toilet-Golf Course	08/31/21	225.00	47414	09/14/21
Total 2981:					225.00		
2995							
2995	Vern's Food Service Distribution	155167-00	Golf Course	09/03/21	252.98	47552	09/24/21
Total 2995:					252.98		
3006							
3006	Cobra Puma Golf	G2639517	Golf Course Retail for Pro Shop	08/06/21	252.36	47405	09/14/21
		G2678071	Golf Course Retail for Pro Shop	09/16/21	166.46	47508	09/24/21
Total 3006:					418.82		
3022							
3022	Nakonechny, Lyle	09072021	Archaeological Monitoring-Wanapa Road	09/01/21	5,250.00	47449	09/14/21
Total 3022:					5,250.00		
3024							
3024	Hodgen Distributing	238314	Retail Product for Golf Course	08/24/21	317.98	47430	09/14/21
		238771	Retail Product for Golf				

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
			Course	08/31/21	432.58	47430	09/14/21
		239314	Retail Product for Golf Course	09/08/21	514.41	47526	09/24/21
		239740	Retail Product for Golf Course	09/14/21	432.26	47526	09/24/21
	Total 3024:				1,697.23		
3038							
3038	Taylor Made Golf Company Inc.	35327987	Merchandise for Pro Shop	09/09/21	133.80	47477	09/14/21
	Total 3038:				133.80		
3043							
3043	DirectTV	039513239X	TV for Golf Course	09/20/21	111.98	47515	09/24/21
	Total 3043:				111.98		
3050							
3050	James Dean Construction, INC.	PAYREQUES	Wanapa Road and Utilities Extension Project	09/01/21	301,707.65	47437	09/14/21
	Total 3050:				301,707.65		
3053							
3053	MohrWater Legal PC	126	Legal Services	06/04/21	9,412.50	47532	09/24/21
		132	Legal Services	07/05/21	13,967.50	47532	09/24/21
		139	Legal Services	08/05/21	9,850.00	47532	09/24/21
	Total 3053:				33,230.00		
3062							
3062	Northwest Golf Cars	17053K	Tournament Fleet Rentals	08/31/21	720.00	47452	09/14/21
		17061K	Tournament Fleet Rentals	09/07/21	800.00	47533	09/24/21
	Total 3062:				1,520.00		
3071							
3071	Portable Storage Rentals	1494	golf cart shed repair	09/08/21	235.00	47460	09/14/21
	Total 3071:				235.00		
3128							
3128	Horman, Chet	08252021	Reimbursement for Supplies	08/25/21	44.94	47432	09/14/21
		09092021	Reimbursement for Marina Supplies	09/09/21	55.40	47527	09/24/21
		REIMBURSE	Supply reimbursment	09/07/21	99.07	47432	09/14/21
	Total 3128:				199.41		
3148							
3148	Vaughn, Christopher L	202436VAUG	Overpayment	09/01/21	20.00	47485	09/14/21

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
Total 3148:					20.00		
3149							
3149	Contreras, Marcos	211897CONT	Paid Wrong Court-Marcos Contreras	09/01/21	115.00	47408	09/14/21
Total 3149:					115.00		
3150							
3150	Creek, Jason D.	211589CREE	Overpayment-Jason Creek	09/01/21	215.00	47410	09/14/21
Total 3150:					215.00		
3151							
3151	HTI LLC.	211943DIAZL	Overpayment-Braulio Diaz Leon	09/01/21	215.00	47434	09/14/21
		211944RAMI	Overpayment Crsitoval Ramirez Jr.	09/01/21	215.00	47434	09/14/21
		211945WILLI	Overpayment Samuel Williams	09/01/21	215.00	47434	09/14/21
Total 3151:					645.00		
3152							
3152	Lepez, Maria Isabel	211992LEPE	Paid Wrong Coiurt-Maria Isabel Lepez	09/01/21	135.00	47442	09/14/21
Total 3152:					135.00		
3153							
3153	Marsh, Jason Lee	212000MAR	Paid Wrong Court-Jason Marsh	09/01/21	30.00	47446	09/14/21
Total 3153:					30.00		
3154							
3154	Singh, Amarjit	212010SING	Overpayment 212010 Amarjit Singh	09/01/21	440.00	47471	09/14/21
Total 3154:					440.00		
3155							
3155	Forbes, Melissa	01210131-00	Cancellation	09/01/21	111.42	47420	09/14/21
		01210131-00	Cancellation	09/01/21	8.58	47420	09/14/21
Total 3155:					120.00		
3156							
3156	Evens, Ken	SLIPRELEA	Slip Release	08/27/21	75.00	47419	09/14/21
Total 3156:					75.00		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
3157							
3157	Mendoza, Jorge	SLIPRELEA	Slip Release	07/01/21	100.00	47448	09/14/21
Total 3157:					100.00		
3158							
3158	Brown, Anthony	SLIPRELEA	Slip Release	09/01/21	85.00	47391	09/14/21
Total 3158:					85.00		
3159							
3159	USGA Club Membership	MEMBERSHI	Membership dues	08/30/21	150.00	47484	09/14/21
Total 3159:					150.00		
3160							
3160	Bluestein, Eric	PAIDWRON	Paid utilities to wrong City	09/09/21	58.08	47386	09/09/21
Total 3160:					58.08		
3161							
3161	Umatilla Jr. Athletics	SPONSORS	Sponsorship	09/09/21	500.00	47481	09/14/21
Total 3161:					500.00		
3163							
3163	Callaway	933723391	Pro Shop Retail	08/25/21	278.30	47393	09/14/21
Total 3163:					278.30		
3164							
3164	Cozy Car Enclosures	4222	Golf Course	07/29/21	950.00	47409	09/14/21
		4344	Golf Course	08/25/21	855.00	47409	09/14/21
Total 3164:					1,805.00		
3165							
3165	Lithia Chrysler Dodge Jeep Ram	663407	Dodge Charger Repair	09/02/21	1,818.36	47444	09/14/21
Total 3165:					1,818.36		
3166							
3166	Madrigal, Raul	REIMBURSE	Reimbursement for parks supplies	09/13/21	91.49	47445	09/14/21
Total 3166:					91.49		
3167							
3167	Leatherland, Steven	08.31.2021	Refund RV Payment Error	08/31/21	480.00	47490	09/15/21
Total 3167:					480.00		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date
3168							
3168	MB Exclusives Corp.	REVITALIZA	Down Town Revitalization Grant	09/15/21	9,747.72	47531	09/24/21
Total 3168:					9,747.72		
3169							
3169	Esquivel, Ramon	877-21-0000	Reimbursement-Permit	09/21/21	50.00	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	106.45	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	100.00	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	740.00	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	10.00	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	300.00	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	50.00	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	2,164.75	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	185.00	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	281.97	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	2,554.81	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	313.22	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	2,054.00	47518	09/24/21
		877-21-0000	Reimbursement-Permit	09/21/21	2,470.00	47518	09/24/21
Total 3169:					11,380.20		
3170							
3170	Crafco	9402437217	Roadsaver 211	03/25/21	1,520.00	47509	09/24/21
		9402458432	Asphalt Cold Patch Bag	04/30/21	850.00	47509	09/24/21
Total 3170:					2,370.00		
3171							
3171	Blue Ribbon Environmental Prod	6870	Non-Spill Fuel Bibs	08/05/21	230.00	47502	09/24/21
Total 3171:					230.00		
3172							
3172	Alex Thomas and Friends	JULY2021	Drawing Workshop-Library Programing	07/10/21	200.00	47498	09/24/21
Total 3172:					200.00		
3173							
3173	Fletcher, James	SLIPRELEA	Slip Release H-17	09/17/21	120.00	47519	09/24/21
Total 3173:					120.00		
Grand Totals:					782,052.70		

Vendor Number	Name	Invoice Number	Description	Invoice Date	Invoice Amount	Check Number	Check Issue Date

Report Criteria:
Detail report type printed

CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
Cleaver Annexation (ANX-1-20): The applicant, Cleaver Land LLC, seeks approval to have a portion of a public street as well as two tax lots situated in the City of Umatilla's Urban Growth Boundary (after adoption PA-2-20) annexed into the city limits.	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
Community Development	Brandon Seitz	Jacob Foutz	

Cost of Proposal:	**Fund(s) Name and Number(s):**
NA **Amount Budgeted:** NA	N/A

Reviewed by Finance Department:	**Previously Presented:**
No	NA

Attachments to Agenda Packet Item:

ANX-1-2020 CC Report Cleaver Annexation.docx

Annexationmap.pdf

Annexation FINAL 09102020 Application Narrative.docx

Summary Statement:

The City of Umatilla Planning Commission recommended approval to the Umatilla City Council of Cleaver Annexation (ANX-1-20) at the September 22, 2020 meeting. This is the final application submitted to create a new south hill industrial park and will annex the UGB expansion property into City Limits and apply the City's Light Industrial zoning designation. The UGB expansion application is currently pending acknowledgment from the State. Staff will bring back an implementing ordinance once the UGB expansion has been acknowledged.

Sample motion for approval of Cleaver Annexation (ANX-1-20); I move to approve Cleaver Annexation ANX-1-20 and adopt the staff report and recommendation as the Council's findings.

Consistent with Council Goals:

Goal 2: Promote Economic Development and Job Growth.

City of Umatilla Planning
STAFF REPORT AND RECOMMENDATION
for
ANNEXATION ANX-1-2020

PLANNING COMMISSION HEARING DATE: August 25, 2020/September 22, 2020

CITY COUNCIL HEARING DATE: October 5, 2021

REPORT PREPARED BY: Jacob Foutz, Senior Planner

I. GENERAL INFORMATION AND FACTS

Applicant:	Cleaver Land, LLC 78757 Westland Road Hermiston, OR 97838
Property Owner:	Cleaver Land, LLC 78757 Westland Road Hermiston, OR 97838
Land Use Review:	Annex a public street and two parcels of land totaling 146.69 acres.
Subject Property Description:	**1.** Public street named Powerline Rd from Radar Rd to the southern border of Tax Lot 6601 on Assessors map 5N28C. **2.** The Remainder of Tax Lot 1400 on Assessors map 5N28C. All of Tax Lot 6601 on Assessors map 5N28C.
Existing Zoning:	Exclusive Farm Use (F-1)
Proposed New Zoning:	City Light Industrial (M1)

Applicants Intended Outcomes of Application Process:

The applicant is working with the City of Umatilla to achieve approval of three applications – an Urban Growth Boundary (UGB) expansion, an Annexation, and a Zone Change – with the desired outcome to have some 450 acres of available land planned and zoned for industrial use. The UGB expansion will add about 150 acres to the UGB; the Annexation will add those same acres within the City Limits; and those actions combined with a Zone Change will add about 450 acres to the industrial land supply. The proposed zoning designation of Light Industrial will support the types of uses – data centers, warehousing and light manufacturing – outlined in the Economic Opportunities Analysis completed by Johnson Economics that indicates that the City of Umatilla is in need of large lot industrial parcels. On page 43 of the Economic Opportunities Analysis it states, "For industrial users, there is an estimated deficit of sites of some sizes. Most notably there is a deficit of suitable large industrial sites, and a deficit of small industrial sites." This statement is expanded on pages 44 and 45 providing more definition to the needs. At the top of page 45 the report states, "Given the projected short-term growth, and prospective long-term growth in this industry [data centers], Johnson Economics estimates a need for at least two sites of 100+ acres meeting serviceability requirements for data center or large manufacturing users, and at least one additional site of 50+ acres." Johnson Economics also states on page 41 the following, "…this does not address the more specific site needs from specific categories of employment land users. Some of the forecasted growth includes employers who may have specific site needs and preferences that are not reflected in the available buildable inventory, even though in total the available parcels sum to a significant amount. In particular, there is forecasted demand for more suitable large-lot industrial sites while relatively few of these sites were found in the inventory." The Johnson Economics provided Economic Opportunities Analysis, while using acreage ranges to discuss needs, does acknowledge that needs for large lots over 100 acres might easily mean upwards of 200 acres for any single user. Examples are a data center request at more than 120 acres and the Walmart Distribution Center at 190 acres. This would also be applicable to the range of 50 to 99.9 acres which could result in users needing 65 acres or 92 acres, an example being the FedEx freight distribution facility at 62.5 acres.

This suite of applications seeks to add 450 acres to the industrial land inventory for the City of Umatilla, meeting this need with the ability to also meet future needs for smaller lot or clustered industrial development which is also identified as a need. The Johnson Economics report on page 45 states the following about small lots, "There is also a projected need from small industrial firms for smaller sites. It is also common for these types of users to also be accommodated in multi-tenant industrial buildings on larger sites."

The zone change component of this suite of applications does propose to rezone approximately 300 acres from Residential to Industrial. In 2019 the City of Umatilla completed a Goal 10 update that included a buildable lands inventory and a Housing Strategies Report (2019) that indicates an overabundance of residential land. Removal of 300 acres of residential land from the inventory does not negatively impact the land supply for residential development in the 20-year planning period, leaving a continuing surplus of approximately 750 acres.

II. NATURE OF REQUEST/APPLICABLE COMPREHENSIVE PLAN AND ZONING ORDINANCE PROVISIONS

The applicant, Cleaver Land LLC, seeks approval to have a portion of a public street as well as two tax lots situated in the City of Umatilla's urban growth boundary (after adoption PA-2-20) annexed into the City limits.

Approval of this request is subject to Section 10-13-4 of the City of Umatilla Zoning Ordinance which requires a Type IV procedure review and for a zoning designation to be assigned that most closely corresponds to the Comprehensive Plan designation, unless an amendment to the Zoning Map is also proposed.

It is City Staff's recommendation that if the annexation is approved, Powerline Road and the two tax lots be zoned City Light Industrial(M1) to meet needs demonstrated by The Economic Opportunities Analysis and to match the two other applications (PA-2-20, PA-3-20) submitted by the applicant.

III. ANALYSIS

The applicable decision criteria are listed in Chapter 13, Section 4C, as outlined in this report, and the procedures for a Type IV review are contained under Chapter 14, Sections 6(C) and 7 of the City of Umatilla Zoning Ordinance. Generally, unless otherwise noted, if a request is found to be consistent with the Zoning Ordinance it is considered to be consistent with the Comprehensive Plan.

A. City of Umatilla Zoning Ordinance Approval Criteria

All of the following criteria listed under Section 10-13-4C of the Zoning Ordinance must be satisfied and supported with findings and reasons as to how each criterion is met in order for this request to be approved.

1. *The site is within the urban growth boundary for the City.*

Applicants Response: The applicant is requesting an urban growth boundary expansion concurrently with this annexation request followed by a change in zoning to Light Industrial. The applicant is aware that approval of this annexation request is subject to approval of the urban growth boundary expansion. Please see the associated application for an urban growth boundary expansion which sets forth the requirements and the applicant's responses.

Staff Findings: The sites are not currently in the urban growth boundary for the City. This application will go to the City Council only upon the approval of PA-2-20, at which point the sites will be within the urban growth boundary for the City.

Conclusion: The sites are currently not in the urban growth boundary but will be if PA-2-20 is approved. This application is the last part of a 4-application package.

2. *It is economically and technically feasible to provide services to the area.*

Applicants Response: The subject property can be served, economically and technically. In a report submitted to the City of Umatilla on March 9, 2020, engineers with J-U-B analyzed various utility services including Potable Water, Sanitary Sewer, Potable Water Storage and Industrial Wastewater. While the report is limited, there were no barriers to development identified and initial cost estimates were included. The report also discussed connections to the Umatilla Army Depot based on the earlier Goal 11 exception approved by the City of Umatilla to deliver certain services to future development at that location.

Staff Findings: The City of Umatilla had J-U-B Engineers complete an Umatilla Industrial Area Utility Technical Memorandum (dated March 2020) which states that the subject sites, can be served with water, wastewater and industrial wastewater. While there is slope on the subject property it is limited to the eastern edge, sloping down to Interstate 82. Most of the property, particularly the frontage along Powerline Road, is reasonably flat.

Conclusion: According to the UTM, the subject property has been deemed viable to be served with water, wastewater and industrial wastewater. In addition, all other City services are technically and economically feasible.

3. *The proposal is consistent with the Comprehensive Plan or substantial changes in conditions have occurred which render the Plan inapplicable to the annexation.*

Applicants Response: Two changes have occurred that support this request. The first is the completion of the 2019 Economic Opportunities Analysis which calls out the need for large lot industrial opportunities, which this application package seeks to directly address. The City of Umatilla is in the process of adopting that Economic Opportunities Analysis along with a Goal 9 Economic update to the Comprehensive Plan. Secondly, since adoption of the Comprehensive Plan, the Oregon Department of Transportation in cooperation with the Federal Highway Administration constructed Interstate 82 with an Interchange installed to the south of the subject property connecting Powerline Road to the Interstate. This change has created an environment that is conducive to light industrial development, such as data centers, warehousing, and light manufacturing, in the vicinity. The subject property is in an area that can be serviced by the City of Umatilla and connect to the Interstate transportation system at the Powerline Road Interchange, limiting impacts to other activities within the City of Umatilla.

Staff Findings: For annexation requests, Comprehensive Plan Policy 14.10.103 specifies that the City will annex lands upon request "when it is demonstrated that such annexations are consistent with the Comprehensive Plan policies and within the capabilities of the City's services and facilities." This policy is implemented in the City of Umatilla Zoning Ordinance, as outlined and discussed under Sections III(A)(1) and (2) of this report, which require property proposed to be annexed to be located within the urban growth boundary and for services to be technically and economically feasible to serve the property. As indicated above, these provisions were found to be met or capable of being met.

Conclusion: The 3 Plan Amendments which will go before this application will allow for these criteria to be met in this application. The Comprehensive Plan recognizes property within the urban growth boundary as land intended to be brought into the city limits when requested, if services can technically and economically be provided to serve the use of the property. Services to the subject public street either already exist, or are capable of being provided as necessary, to serve the use of the abutting properties. Planning staff concludes that the proposal complies with all other applicable Comprehensive Plan policies in regards to this annexation request. This application will not be approved unless PA-2-20 is approved by The City of Umatilla City Council.

B. City of Umatilla Zoning Ordinance Section 10-13-4(B) – Zoning Designation

When approving an annexation request, Section 10-13-4(B) of the Zoning Ordinance requires the City to assign a zoning designation that most closely corresponds to the Comprehensive Plan designation, unless an amendment to the Zoning Map is proposed.

Staff Findings: As stated before an amendment to the Zoning Map is proposed and it is City Staff's recommendation that if the annexation is approved, Powerline Road and the two tax lots be zoned City Light Industrial(M1) to meet needs demonstrated by The Economic Opportunities Analysis and to match the two other applications (PA-2-20, PA-3-20) submitted by the applicant.

Conclusion: It is the Staff's recommendation that Powerline Road and the two tax lots be assigned City Light Industrial. This proposed designation is what will best fit the property directly surrounding the annexed land if PA-3-20 is adopted.

Applicants Conclusion:

In conclusion the applicant encourages the Planning Commission and City Council to approve this request for Annexation as part of the application process to expand the Urban Growth Boundary and rezone the subject property to Light Industrial. Evidence has been provided in support of the need for large lot industrial opportunities as outlined in the attached Economic Opportunities Analysis. Additional evidence has been provided that the subject property can be served in the attached Umatilla Industrial Area Utility Technical Memorandum. Transportation impacts are not discussed as part of this application but have been included in the analysis for both the Urban Growth Boundary Expansion and the change in Comprehensive Plan designation and Zoning Map amendment. Any necessary Conditions of Approval associated with the future development of the property have been incorporated into the request for changing the Comprehensive Plan designation to Industrial and the Zoning to Light industrial or the Urban Growth Boundary expansion.

IV. SUMMARY CONCLUSIONS AND STAFF RECOMMENDATION

This request by the applicant, Cleaver Land LLC, to annex a public street named Powerline Rd from Radar Rd to the southern border of Tax Lot 6601 on Assessors map 5N28C and the remainder of Tax Lot 1400, along with all of Tax Lot 6601 on Assessors map 5N28C into the City of Umatilla city limits as assigned City Light Industrial appears to meet all of the applicable decision criteria for annexation into the city limits.

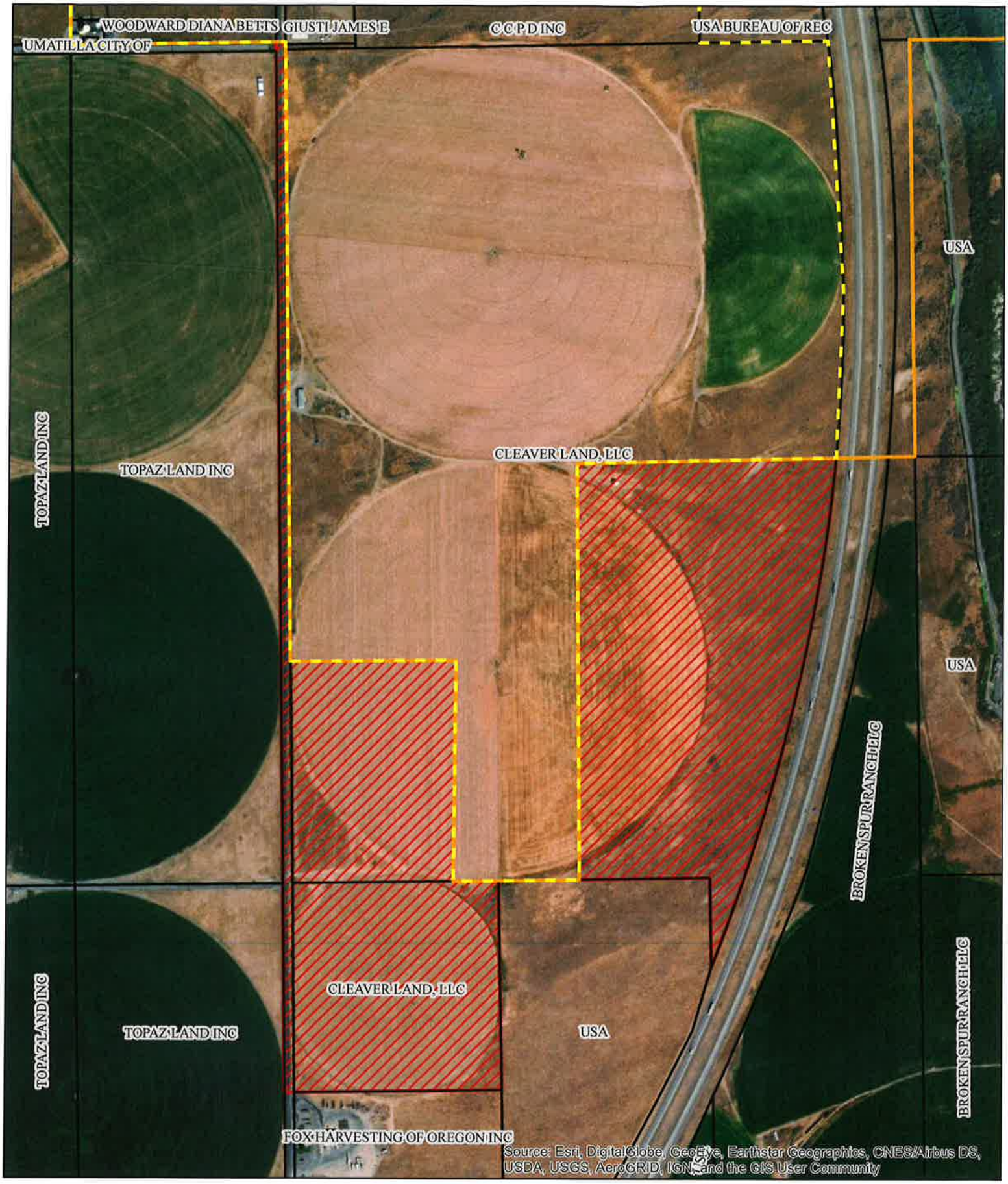
Therefore, based on the information in Sections I and II of this report, and the above review criteria,

findings of fact and conclusions contained in Section III, Staff recommends the Planning Commission recommend **APPROVAL** of this annexation request, ANX-1-2020, to the Umatilla City Council to annex the following into the city limits;

Powerline Rd from Radar Rd to the southern border of Tax Lot 6601 on Assessors map 5N28C and the remainder of Tax Lot 1400, along with all of Tax Lot 6601 on Assessors map 5N28C as assigned City Light Industrial.

V. EXHIBITS (Attached and included as part of this report).

Exhibit A Area map showing existing city limits and property proposed to be annexed



CLEAVER LAND ANNEXATION SITE PLAN

Legend

- City Limits
- Urban Growth Boundary
- Tax Lots (3/23/20)
- Proposed Annexation Area

Feet

0 500 1,000 1,500

N W E S

Map should be used for reference purposes c
Not survey grade or for legal use.

Application to Amend the City of Umatilla City Limits through Annexation of the subject property.

Applicant/Owner: Cleaver Land, LLC
78757 Westland Rd
Hermiston, OR 97838
541-571-7403
alancleaver@cbsag.com

Consultant: Carla McLane Consulting, LLC
170 Van Buren Drive
Umatilla, OR 97882
541-314-3139
mclane@eoni.com

Documents to be Modified:

- City of Umatilla Comprehensive Plan Map when reviewed in connection with the associated application for a change in zoning.
- City of Umatilla Zoning Map when reviewed in connection with the associated application for a change in zoning.
- Other city maps that reflect the city limits.

Intended Outcomes of Application Process:
The applicant is working with the City of Umatilla to achieve approval of three applications – an Urban Growth Boundary (UGB) expansion, an Annexation, and a Zone Change – with the desired outcome to have some 450 acres of available land planned and zoned for industrial use. The UGB expansion will add about 150 acres to the UGB; the Annexation will add those same acres within the City Limits; and those actions combined with a Zone Change will add about 450 acres to the industrial land supply. The proposed zoning designation of Light Industrial will support the types of uses – data centers, warehousing and light manufacturing – outlined in the Economic Opportunities Analysis completed by Johnson Economics that indicates that the City of Umatilla is in need of large lot industrial parcels. On page 43 of the Economic Opportunities Analysis it states, "For industrial users, there is an estimated deficit of sites of some sizes. Most notably there is a deficit of suitable large industrial sites, and a deficit of small industrial sites." This statement is expanded on pages 44 and 45 providing more definition to the needs. At the top of page 45 the report states, "Given the projected short-term growth, and prospective long-term growth in this industry [data centers], Johnson Economics estimates a need for at least two sites of 100+ acres meeting serviceability requirements for data center or large manufacturing users, and at least one additional site of 50+ acres." Johnson Economics also states on page 41 the following, "…this does not address the more specific site needs from specific categories of employment land users. Some of the forecasted growth includes employers who may have specific site needs and preferences that are not reflected in the available buildable inventory, even thought *in total* the available parcels sum to a significant amount. In particular, there is forecasted demand for more suitable large-lot industrial sites while relatively few of these sites were found in the inventory." The Johnson Economics provided Economic Opportunities Analysis, while using acreage ranges to discuss needs, does acknowledge that needs for large lots over 100 acres might easily mean upwards of 200 acres for any single user. Examples are a data center request at more than 120 acres and the Walmart Distribution Center at 190 acres. This would also be applicable to the range of 50 to 99.9 acres which could result in users needing 65 acres or 92 acres, an example being the FedEx freight distribution facility at 62.5 acres.

This suite of applications seeks to add 450 acres to the industrial land inventory for the City of Umatilla, meeting this need with the ability to also meet future needs for smaller lot or clustered industrial development which is also identified as a need. The Johnson Economics report on page 45 states the following about small lots, "There is also a projected need from small industrial firms for smaller sites. It is also common for these types of users to also be accommodated in multi-tenant industrial buildings on larger sites."

The zone change component of this suite of applications does propose to rezone approximately 300 acres from Residential to Industrial. In 2019 the City of Umatilla completed a Goal 10 update that included a buildable lands inventory and a Housing Strategies Report (2019) that indicates an overabundance of residential land. Removal of 300 acres of residential land from the inventory does not negatively impact the land supply for residential development in the 20-year planning period, leaving a continuing surplus of approximately 750 acres.

Current Use of the Property:
Current use of the property is agricultural. Crops regularly in rotation under circle pivot irrigation are potatoes, onions, corn, and grass seed. Improvements to the property include circle pivot irrigation systems and a general use storage building.

Surrounding Uses: Within the City of Umatilla, to the north of the subject property, the land is currently zoned for residential use with limited Neighborhood Commercial available along Powerline Road. To the east and south is Interstate 82, with the Powerline Road interchange south of the subject property approximately one-half mile. There is a residence and potato storage facility just north of the interchange. To the west are agricultural lands supporting a variety of crop types grown on circle pivot irrigated land in crop rotation.

Required Review:
The City of Umatilla Zoning Ordinance Title 10 Zoning Chapter 14 Administrative Provisions, specifically 10-14-2, states that the City will employee the steps for a Type IV decision for an application for annexation. Chapter 14, specifically 10-14-4, outlines the application requirements. A review of those requirements is completed in the application for the change in zoning and is reference and incorporated here. The specific requirements for an application for annexation found in Chapter 13 are listed next with responses.

City of Umatilla Title 10 Zoning Chapter 13 Other Permits and Actions Section 10-13-4: ANNEXATION provides the following requirements.

A. Initiation; Type IV Procedure: An annexation may be initiated by the City or a property owner or owners, and is a quasi-judicial decision considered as a Type IV procedure.

Response: The property owner is initiating this annexation request as part of an overall process to expand the urban growth boundary applying an industrial designation and Light Industrial zoning, annex that same land into the City of Umatilla maintaining the industrial designation and zoning, and rezone an adjoining approximate 300 acres to Light Industrial to facilitate large lot industrial growth as identified in the October 2019 Economic Opportunities Analysis. See the associated Urban Growth Boundary expansion and zone change applications for a full accounting of the associated requests.

B. Zoning Designation: Territory proposed to be annexed shall be assigned a zoning designation that most closely corresponds to the Comprehensive Plan designation unless an amendment to the Zoning Map is proposed and considered as set forth in Section 10-13-3 of this Chapter.

Response: This annexation request is coupled with an urban growth boundary expansion and a change in zoning that would change the Comprehensive Plan and Zoning designation to Light Industrial to facilitate large lot industrial development. Please see the associated application for a change in zoning which sets forth the requirements and the applicant's responses.

C. Approval Criteria: A decision on an annexation proposal shall be based on whether:

1. The site is within the urban growth boundary for the City.

Response: The applicant is requesting an urban growth boundary expansion concurrently with this annexation request followed by a change in zoning to Light Industrial. The applicant is aware that approval of this annexation request is subject to approval of the urban growth boundary expansion. Please see the associated application for an urban growth boundary expansion which sets forth the requirements and the applicant's responses.

2. It is economically and technically feasible to provide services to the area.

Response: The subject property can be served, economically and technically. In a report submitted to the City of Umatilla on March 9, 2020, engineers with J-U-B analyzed various utility services including Potable Water, Sanitary Sewer, Potable Water Storage and Industrial Wastewater. While the report is limited, there were no barriers to development identified and initial cost estimates were included. The report also discussed connections to the Umatilla Army Depot based on the earlier Goal 11 exception approved by the City of Umatilla to deliver certain services to future development at that location.

3. The proposal is consistent with the Comprehensive Plan or substantial changes in conditions have occurred which render the Plan inapplicable to the annexation.

Response: Two changes have occurred that support this request. The first is the completion of the 2019 Economic Opportunities Analysis which calls out the need for large lot industrial opportunities, which this application package seeks to directly address. The City of Umatilla is in the process of adopting that Economic Opportunities Analysis along with a Goal 9 Economic update to the Comprehensive Plan. Secondly, since adoption of the Comprehensive Plan, the Oregon Department of Transportation in cooperation with the Federal Highway Administration constructed Interstate 82 with an Interchange installed to the south of the subject property connecting Powerline Road to the Interstate. This change has created an environment that is conducive to light industrial development, such as data centers, warehousing, and light manufacturing, in the vicinity. The subject property is in an area that can be serviced by the City of Umatilla and connect to the Interstate transportation system at the Powerline Road Interchange, limiting impacts to other activities within the City of Umatilla.

Conclusion:

In conclusion the applicant encourages the Planning Commission and City Council to approve this request for Annexation as part of the application process to expand the Urban Growth Boundary and rezone the subject property to Light Industrial. Evidence has been provided in support of the need for large lot industrial opportunities as outlined in the attached Economic Opportunities Analysis. Additional evidence has been provided that the subject property can be served in the attached Umatilla Industrial

Area Utility Technical Memorandum. Transportation impacts are not discussed as part of this application but have been included in the analysis for both the Urban Growth Boundary Expansion and the change in Comprehensive Plan designation and Zoning Map amendment. Any necessary Conditions of Approval associated with the future development of the property have been incorporated into the request for changing the Comprehensive Plan designation to Industrial and the Zoning to Light industrial or the Urban Growth Boundary expansion.

Attachments:

- Subject Area Vicinity Map
- Umatilla Industrial Area Utility Technical Memorandum, J-U-B Engineers, March 9, 2020
- Economic Opportunities Analysis, Johnson Economic, October 2019

CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
Library Advisory Committee Resignation	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
City Administration	David Stockdale	Nanci Sandovl	

Cost of Proposal:	**Fund(s) Name and Number(s):**
NA **Amount Budgeted:** NA	N/A

Reviewed by Finance Department:	**Previously Presented:**
Yes	NA

Attachments to Agenda Packet Item:

Eynon Resignation.pdf

Summary Statement:

Accept resignation and declare vacancy on the Library Advisory Committee.

Consistent with Council Goals:

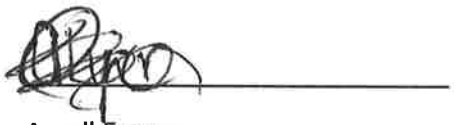
Goal 4: Increase Public Involvement, Create a Culture of Transparency with the Public, and Enhance Cultural Diversity.

September 8, 2021

RE: City of Umatilla - Library Advisory Committee

TO WHOM IT MAY CONCERN:

It has been my pleasure to serve the City of Umatilla as a Library Advisory Committee member. However, please accept my resignation from this committee, effective September 30, 2021.



Arnell Eynon

CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
Resolution 11-2022 - A resolution authorizing the City Manager to sign an agreement allowing Western Partitions Inc. to use city property as a construction staging area.	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
Community Development	Brandon Seitz	Brandon Seitz	

Cost of Proposal:	**Fund(s) Name and Number(s):**
Rental amount of property is $750 per month **Amount Budgeted:** 0	General Fund - 01

Reviewed by Finance Department:	**Previously Presented:**
Yes	8-2-21

Attachments to Agenda Packet Item:

Resolution 11-2022.docx

WPI Lease Agreement.pdf

Summary Statement:

Staff recommends a motion to approve Resolution No, 11-2022.

Consistent with Council Goals:

Goal 2: Promote Economic Development and Job Growth.

RESOLUTION NO. 11-2022

A RESOLUTION AUTHORIZING THE CITY MANAGER TO SIGN AN AGREEMENT ALLOWING WESTERN PARTITIONS INC. TO USE THE PROPERTY AS A CONSTRUCTION STAGING AREA

WHEREAS, the City of Umatilla "City" owns real property located in the McNary Industrial Park inside city limits; and

WHEREAS, Western Partitions Inc., "WPI" has contracts for large industrial developments in the McNary Industrial Park; and

WHEREAS, the City desires to accommodate WPI and allow the use of city parcel as a construction staging area; and

WHEREAS, the City and WPI have reached agreement on terms of use of the parcel.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF UMATILLA:

1. The City Manager is authorized to sign the Land Use Agreement with Western Partitions Inc.

2. Authorization to sign the Land Use Agreement is retroactive to the effective date of the agreement, September 1, 2021.

PASSED by the City Council and **SIGNED** by the Mayor this 5th day of October, 2021.

_____
Mary Dedrick, Mayor

ATTEST:

_____
Nanci Sandoval, City Recorder

LAND USE AGREEMENT

PARTIES:

The City of Umatilla ("the Landowner")
Western Partitions Inc., their agents and all related person and entities ("WPI")

The Landowner has agreed to allow WPI to use the following property as a construction staging area for construction activities. WPI may park equipment, stockpile and stage materials as needed.

AGREEMENTS:

1. In consideration of:
    a. Rental amount of the property is for $750/month with the first payment in the lump sum amount of $4,500.00 for the first six months. With subsequent payments of $2,250 paid each quarter thereafter. All payments are due on the 5th of the month of the beginning of each quarter.
    b. Rental amount of the property will increase by $50/month beginning September 1 of any renewal period. For example, rental amount will become $800/month September 1, 2022 and $850/month September 1, 2023.

2. The Landowner agrees to allow WPI to use their properties from September 1, 2021 through August 31, 2022. This agreement may be renewed in three-month to 12-month increments with at least 30 day's written notice prior to expiration of the original term or each subsequent renewal period. WPI shall return the properties to like condition found. WPI indemnifies and holds the Landowner harmless from any liability, claim or expense relating to or arising from WPI activities conducted on the Landowner's property.

3. This agreement may be terminated for any reason or for no reason by the Landowner in with at least ninety (90) day's written notice to WPI. WPI may terminate this agreement for any reason or for no reason with at least thirty (30) day's written notice.

4. The property location is identified on the attached map or generally the north east one-acre of Tax Lot 2800 on Assessors Map 5N2814 (County Account #161733).

5. WPI shall leave the property in as good or better condition than found.

WPI

By Tim Mennealy Spokane Regional Manager

Date: 9-1-21

CITY OF UMATILLA

By David Stockdale, City Manager

Date: 9/1/21

WPI LEASE AREA MAP

Feet

0 100 200 300 400

Legend

Tax Lots (6/2/21)

Lease Area

N W E S

MAP DISCLAIMER: No warranty is made as to the accuracy, reliability or completeness of this data. Map should be used for reference purposes only. Not survey grade or for legal use.
Created by Brandon Seitz. on 8/19/2021

CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
Resolution No. 12-2022 - A resolution adopting the 2021 Design and Construction Standards and Specifications for Public Works Improvements and Sewage Pump Station Standard Specifications.	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
Public Works	Scott Coleman	Scott Coleman	

Cost of Proposal:	**Fund(s) Name and Number(s):**
N/A **Amount Budgeted:** N/A	N/A

Reviewed by Finance Department:	**Previously Presented:**
Yes	NA

Attachments to Agenda Packet Item:

RES 12-2022.docx

Public Works Improvement Standard Specification.pdf

Sewage Pump Station Standard Specification.pdf

Summary Statement:
Motion for approval of Resolution No. 12-2022

Consistent with Council Goals:
Goal 2: Promote Economic Development and Job Growth.

RESOLUTION NO. 12-2022

A RESOLUTION ADOPTING THE 2021 DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS FOR PUBLIC IMPROVEMENTS AND SEWAGE PUMP STATION STANDARD SPECIFICATIONS

WHEREAS, the City of Umatilla has completed an extensive update of the City's 1998 Design and Construction Standards to be more consistent with industry standards and current practices; and

WHEREAS, the City desires to have uniform standards, specifications, and construction details for public infrastructure to be owned and maintained by the City; and

WHEREAS, J-U-B Engineers Inc., the City's Engineer of Record, in collaboration and coordination with City staff, prepared these Design and Construction Standards and Specifications for Public Works Improvements and Sewage Pump Station Standard Specifications; and

WHEREAS, the "Design and Construction Standards and Specifications for Public Works Improvements" and "Sewage Pump Station Standard Specifications" ("These Specifications") apply to the design and construction of all public works infrastructure; and

WHEREAS, These Specifications will be effective immediately and will apply to all new development and redevelopment subject to City requirements; and

WHEREAS, technical revisions and corrections may be updated to These Specifications by the City of Umatilla's Public Works Director and/or City Manager, as needed, for consistency with industry standards; and

WHEREAS, modifications to these specifications will be tracked, and a current version will be filed with the City Recorder's Office and posted on the City's website and a summary of these tracked updates will be reported to the City Council in all years ending in 5 or 0 for further discussion and direction; and

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF UMATILLA, OREGON, DO RESOLVE AS FOLLOWS:

Section 1. In accordance with state law, to protect and preserve the public health, safety, and general welfare, consistent with Umatilla City Code (UCC) 7-1-1, the "Design and Construction Standards and Specifications for Public Works Improvements" and "Sewage Pump Station Standard Specifications" ("These Specifications") as set forth in these documents attached hereto, and incorporated herein by reference, are hereby adopted, and to become effective immediately upon filing with the City Recorder.

Section 2. These specifications shall apply to the design and construction of all public works infrastructure.

Section 3. The Public Works Director and/or the City Manager, or the City's Engineer of Record or other department with the approval of the Public Works Director and/or City Manager, is/are authorized to make revisions or modifications to These Specifications as appropriate to meet the needs and intentions of such standards. However, These Specifications shall be put forth before the City Council every five years in the years ending in 5 or 0 for further review, discussion,

and direction from the City Council.

Section 4. The current iteration and future iterations of These Specifications shall be maintained on file with the City Recorder's Office and posted on the City's website, and shall be effective upon filing with the City Recorder.

Section 5. All laws, regulations, and design standards, or parts thereof in conflict or inconsistent with These Specifications adopted by this Resolution, unless superseded by statutory authority, are hereby repealed.

PASSED by the Council and **SIGNED** by the Mayor this 5th day of October 2021.

_____
Mary Dedrick, Mayor

ATTEST:

_____
Nanci Sandoval, City Recorder

CITY OF UMATILLA

DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS FOR PUBLIC WORKS IMPROVEMENTS

Approved:_____ Date:_____

October 5, 2021

CITY OF UMATILLA

DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS FOR PUBLIC WORKS IMPROVEMENTS

City of Umatilla
700 Sixth Street
Umatilla, OR 97882
(541) 922-3226

October 5, 2021

Index

CHAPTER 1 - GENERAL

ENACTING AUTHORITY

These Design and Construction Standards are enacted by the City of Umatilla, in accordance with state law, to protect and preserve the public health, safety, and general welfare, consistent with City of Umatilla Municipal Code (UMC) Title 7.

PURPOSE

The purpose of these Design and Construction Standards is to provide consistent requirements, standards, and specifications for the design and construction of public works infrastructure improvements by the City and by private developers.

CONFLICTING PROVISIONS

The standards, procedures, and requirements of these Design and Construction Standards are the minimum necessary to promote the health, safety, and welfare of the residents of the City of Umatilla. The City may adopt more or less rigorous or different standards, procedures, and requirements whenever necessary. If the provisions of these Design and Construction Standards conflict with one another, or if a provision of these Design and Construction Standards conflicts with the provision of the existing City Code, or a previously enacted Ordinance of the City, the most restrictive provision or the provision imposing the highest standard shall control.

SEVERANCE

If any provision of these Design and Construction Standards or its application to any person or circumstance is for any reason held to be invalid, the remainder of these Design and Construction Standards or the application of the provisions is not affected.

PROCESS

Any project that includes the construction of public infrastructure or represents an impact to public infrastructure shall comply with the procedures listed in CHAPTER 2 and UMC. Public infrastructure includes all construction or impact to public streets, water, sanitary sewer, irrigation, storm drainage, illumination and any other facilities that will be owned, operated and

maintained by the City. Additionally, all projects shall be reviewed by the City for regulating on-site stormwater runoff.

ENGINEERING DESIGN PLAN REQUIREMENTS

All plans, specifications, engineering calculations, diagrams, details, and other relevant data shall be designed and prepared by a Civil Engineer licensed by the State of Oregon (Consultant), in accordance with CHAPTER 3.

REVIEW AND INSPECTION FEE

Application, plan review, and inspection fees are hereby established to defray the costs incurred by the City of Umatilla, its agents, employees, and elected or appointed officials, for review and approval of the plans and specifications and for inspection of construction of the public works improvements. Fees as presented in the UMC and fee schedule as adopted by ordinance shall include, but not be limited to, application review, plan review, subsequent meetings with the Developer, explanations to the Developer's Consultant, reviews of revised plans, construction inspection, re-inspections, and a final inspection prior to acceptance of the project.

Fee payments shall be made in full by the Developer prior to the City releasing the approved original plans and specifications for construction, or the issuance of a Building Permit as described in CHAPTER 2.

RECORD DRAWINGS

The Developer's Consultant shall prepare and maintain a neatly marked, full-sized print set of record drawings showing the final location and layout of all new construction of the public facilities. Record drawings shall be supplied to the City of Umatilla consistent with Section 00150.35 (e) Project Record Drawings as presented in CHAPTER 4 of these Construction Standards.

TRANSFER OF OWNERSHIP

The City Engineer or his designee shall make final inspection of all constructed public improvements at construction completion. Upon final inspection and approval of all work, the City Engineer shall provide written certification of completed public improvements including the method of construction, workmanship, materials, and quality control testing of the improvements. Public improvements shall be deemed accepted by the City one year from the date of certification and shall be conveyed to the City at that time. The Developer as the owner

is responsible for operation, maintenance, and repairs of the public improvements within the one-year period.

EASEMENTS

Public utility easements shall be established for the location of new and future public improvements serving new land divisions and land developments. Easements shall also be granted across the front of new lots and existing lots to provide future utility access as required.

All easements required shall be prepared by the Developer on the proper form and format for recording at Umatilla County of County Records. The easement legal description shall be prepared by a land surveyor licensed in the State of Oregon. The easement document shall be submitted to the Planning Division for review prior to plan approval. Once approved by the City Engineer, the Developer shall record the executed and notarized easement, and provide proof of recording to the Planning Division prior to project acceptance.

Easements for new and/or future utility lines shall be a minimum of twenty (20) feet wide, with the exception of potable water and irrigation which shall be a minimum of fifteen (15) feet wide, provided the width of easements for buried utilities will be at least twice the depth of the planned excavation. Where utilities share or lie within a single easement, Department of Health separation requirements shall apply as appropriate, and the easement width shall extend eight (8) feet beyond the center of pipe, parallel to the utility.

Utility easements shall be continuous and aligned from block to block within a subdivision and with easements in adjoining subdivisions to facilitate the extension and future extension of public utilities.

UTILITY OVERSIZING

In all cases, the City Engineer shall have final determination of the size and depth of water, sewer, and irrigation mains connected to the City utility system. The determination shall be consistent with the City's comprehensive plan and/or the long-range objectives for the associated utility.

For example, if a property owner/developer is required to install a water main with a diameter in excess of the size necessary to serve their development, and greater than the 8" minimum pipe size required for all utilities, and if the purpose of such oversizing is to provide for the future needs of the City, the City may, based upon the conditions established within this policy, reimburse the property owner/developer for the difference in material and/or labor costs

incurred solely by reason of the oversizing requirement. No such reimbursement shall be made except upon the following:

- Complete installation of the utility main and approval of the same by the City Engineer;
- Submittal to the City of a bill of sale, warranty, bonding, and proof of insurance for the utility main;
- Certification of the oversizing costs, with such verification from the material supplier and contractor as the City Engineer may require;
- Approval of the oversizing costs by the City Engineer; and
- Approval of the reimbursement by the City Engineer.

As an alternative to cash reimbursement, the City Engineer may choose to provide a credit, in the amount of the reimbursement that may otherwise be available, against the corresponding development charges imposed under the UMC. For example, if a water main is oversized, a credit may be granted against the water development charge imposed under UMC, but not the sewer development charge. Said reimbursement or credit shall not be more than 100% of any and all development charges.

The cost of labor and materials for said oversizing may be reimbursed to the owner/developer by the City. Materials include pipe, imported trench backfill, and asphalt pavement beyond trench/surfacing limits required for the development. The labor cost to install the utility oversizing may be considered when the pipe diameter oversize is greater than 250% different in size than an 8-inch diameter or the pipe diameter required for the development, whichever is greater. For example, if an 8" main is required for the development, then a pipe that is more than 20" in diameter, such as a 24" diameter main, would receive consideration of labor within the calculation for upsize credit as determined by the City Engineer. Said reimbursement or credit shall not be more than 100% of any and all development charges.

An oversizing agreement must be executed by the City Manager and Developer prior to plan approval. A summary of all eligible reimbursable costs and backup itemization must be submitted to the City Engineer, for review and acceptance, within 45 days of substantial completion of the project or phase. Following review of submission, a determination of the total reimbursement amount will be calculated by the City Engineer and provided to the Developer within 45 days of submission receipt. Upon concurrence of the calculated amount by the Developer, the City will provide reimbursement payment within 30 days

CHAPTER 2 - DEVELOPMENT PROCEDURE

INTRODUCTION

Any project that includes the construction of public infrastructure or represents an impact to public infrastructure shall comply with the following procedures. Public infrastructure includes all construction or impact to public streets, water, sanitary sewer, irrigation, storm drainage, illumination and any other facilities that will be owned, operated, and maintained by the City.

Unless otherwise specifically stated, the term "public improvement" or "public infrastructure" shall mean any improvement constructed within public right-of-way, or one that will be transferred to the City following construction, including, but not limited to, sanitary sewer, storm drainage, water, irrigation, roadway, sidewalk, traffic signals, and street lights. The term "City" shall mean the City Engineer, or his designated representatives; "Developer" shall mean the actual Owner/Developer of the proposed development that includes public improvements or his designated Agent; and, "Consultant" shall mean an individual or firm, licensed to practice Civil Engineering in the State of Oregon, who shall have been retained by the Owner/Developer for the purpose of preparing the detailed plans and specifications and doing such other engineering work as shall be specifically identified within the context of these procedures and as approved by the City Engineer.

Improvements for which these procedures shall typically apply include water, sewer, storm, and street impacts. Examples include:

Water: Public water mains, water systems, irrigation mains, irrigation systems and their appurtenances. The required procedures for private, on-site water systems from the City meter to the building, and for private, on-site irrigation systems are addressed through the Building Division.

Sanitary Sewer: Public sanitary sewer interceptors, trunks, collectors and their appurtenances including portions of the building sewers located within the public right-of- way or public easement. The required procedures for private sanitary sewer service laterals and appurtenances located outside of the public rights-of-way or public easements are addressed through the Building Division.

Stormwater: Public stormwater and drain systems and their appurtenances located within the public right-of-way or public easements, and infrastructure for private, on-site stormwater systems, located outside the public right-of-way. On-site stormwater system

designs will be reviewed by the City to ensure systems meet the required stormwater regulations.

Street: All public street or roadway facilities and their appurtenances including traffic signals, street lighting, driveways, sidewalks, curb ramps, curb, gutter, bicycle and pedestrian facilities, and parking areas. The required procedures for private on-site sidewalks, private parking and loading facilities, private driveways, and other improvements are addressed through the Building Division.

Minor improvements, such as residential driveway approaches or isolated sidewalk sections, may be exempt from these requirements at the discretion of the City Engineer.

OWNER RESPONSIBILITY

The Owner/Developer shall, if other than himself, name and identify the person who shall be designated to act on his behalf on matters relating to the project. The Consultant may, at the Owner/Developer's discretion and direction, be the Agent. The identified person shall be the single point of contact for the duration of the project.

The Owner/Developer shall retain the services of a Consultant, having the appropriate City of Umatilla business license and licensed to practice Civil Engineering in the State of Oregon, who is qualified to perform the required engineering services to design and construction stake/survey, as required, of the proposed public improvements. If the project includes installation of domestic water infrastructure, the Consultant shall comply with the requirements of Chapter 333. Division 61 drinking water of the Oregon Administrative Rule (OAR).

If, at any time during the project, the Owner/Developer terminates or reduces the level of the services of the Consultant or the designated Agent as specifically identified and accepted by the City, the Owner/Developer and Consultant/Agent shall immediately notify the City.

The Owner/Developer has the overall responsibility for project management, construction management, contract administration, permit acquisition, compliance, testing, and, if required, right-of-way acquisition. No construction work shall commence prior to a Pre-Construction Conference and plan approval by the City Engineer.

PLAN REVIEW

The Consultant shall prepare, seal, and submit to the City Planning Division four complete sets of detailed construction plans, profiles, cross sections, support data, design calculations, project details, and project specifications as applicable, consistent with UMC. Additionally, a stormwater report shall be prepared, sealed, and submitted to accompany the construction plans. All such plans and specifications shall be in accordance with the most current requirements of the

Oregon Health Authority (OHA), Department of Environmental Quality (DEQ), Oregon Department of Transportation Hydraulic Manual for Zone 13, OAR for Sanitary Sewer Design, OAR for Drinking Water, Oregon Standard Specifications for Construction and Standard Drawings (OSSC), and City of Umatilla Standards (CUS).

Plans shall be prepared in accordance with CHAPTER 3. The City shall review the submitted plans and specifications within 30 business days and shall return one reviewed and noted copy indicating the changes, additions, deletions, or modifications that are required to make the plans and specifications acceptable. When the revised plans, specifications, and other materials are resubmitted to the City, the City shall review and upon acceptance, approve the revised plans and specifications notifying the Consultant of approval and the remainder of the review and inspection fees to be paid. Review of the revised plans and specifications will be on a first-come, first-served basis, and a response will be provided to the applicant within 15 business days. The response will include additional comments or approval notification.

It is the Developer's responsibility to obtain signatures and dates from all outside utilities within the City of Umatilla indicating that they have reviewed and approved the plans, as required by CHAPTER 3 of these Construction Standards. The approval from outside utilities must be received prior to final plan acceptance and plan approval consideration by the City. If significant changes are required to the plans following the City's review, after initially receiving outside utility approval, the owner may be required to reobtain the signature and date of possible impacted utilities as designated by the City.

Upon acceptance, the City Engineer, or their designee, will approve and sign the plans. Such approved plans and specifications shall not be changed, modified, or altered without written authorization from the City Engineer. The Developer shall provide the City with a minimum of five (5) copies of the approved plan set and specifications for use by City Inspectors and City Departments as required.

CONSTRUCTION

Following selection of a Contractor and prior to construction, the Developer is responsible for scheduling a pre-construction conference with the City's Construction Supervisor. Other jurisdictions, the Developer's Engineer, Developer's contractor, utility companies, subcontractors and other necessary parties to the project shall be present at the preconstruction conference.

The City shall host the Pre-Construction Conference within two weeks of the scheduling request by the applicant. The Developer's contractor will submit his insurance and construction schedule at this conference. Construction may proceed, per the approved schedule, following the completion of the Pre-Construction Conference, provided all of the necessary documentation has been submitted and approved.

It is the responsibility of the Owner/Developer to ensure that construction is in conformance with the approved plans and specifications. The Owner/Developer is ultimately responsible for the work that is done. The City shall be notified not less than three working days before construction is to start.

The City of Umatilla will assign a construction inspector to the project at the owner/developer's expense, the cost of which covered by the plan review/inspection fees. In addition to routine observation, the City inspector will inspect specific elements and milestones during the work. All tests, inspections, or reviews to be completed by the City shall be scheduled a minimum of two working days in advance. The City's inspection will not relieve the Owner/Developer's liability of all work being performed in conformance with the approved plans, specifications, and permits.

The Owner/Developer shall independently hire and cover all costs associated with quality assurance sampling and materials testing by a certified testing company and provide documentation of the results of the sampling and testing to the City. The requirements for sampling and testing are contained in the current edition of the Oregon Standard Specifications for Construction, and these City of Umatilla Construction Standards.

The Owner/Developer, or his assigned Agent, shall administer, manage, and supervise the construction and will be readily available to approve design changes, when necessary. The Contractor shall have a representative with authority on site whenever work is being performed. Any problems that are encountered or changes required due to construction conditions will be reviewed with the Consultant and the owner/developer. Changes that require any increase or decrease to the contractor's cost will be the responsibility of the owner/developer and may result in increased City review and inspection fees.

All construction shall meet the requirements of the most current edition of the Oregon Standard Specifications for Construction, the Manual on Uniform Traffic Control Devices, DEQ, OHA, OAR for Sanitary Sewer and Drinking Water, ODOT Hydraulics Manual, City of Umatilla Standards, the approved plans, the approved Project Specifications and other applicable regulations. Special Provisions (if any) shall be prepared and submitted to the City for acceptance. All changes, alterations, or revisions to the approved plans or specifications shall be submitted for acceptance by the City Engineer.

Copies of all test records shall be furnished to the City Engineer on a weekly basis, or as deemed necessary by the City Engineer. The City Engineer, or their designee, will visit the project site to review the work related to the required inspection. Such site visits do not relieve the applicant, or the contractor of any responsibilities for performing all work in accordance with the approved plans and this chapter. The City Engineer, or their designee, may also visit the project site from time to time to monitor the overall progress of the project.

Failure to comply with testing requirements may necessitate appropriate or additional testing and certification as directed by the City Engineer. Costs of such testing and certification shall be borne by the contractor and/or applicant. At the time that such action is directed by the City Engineer, no further work will be permitted on the road or subdivision until all tests have been completed and all corrections have been made to the satisfaction of the City Engineer.

The City shall have the authority to cause a suspension of construction when, in the City's opinion, such work is not being done in conformance with the approved plans, specifications, regulations or permit. Any resultant delays, impacts, or added expenses shall not be the City's responsibility.

Upon written notice that the public improvements have been substantially completed, the City will, in the company of the Owner/Developer or his Agent, make a final inspection of the construction. The Owner/Developer shall see that all necessary additions, corrections, repairs, and/or modifications are made.

CONSTRUCTION COMPLETION

At the conclusion of construction and when all corrections and repairs have been made, the Owner/Developer shall submit record drawings together with a Certificate of Work Completion, which shall include, but not be limited to, testing records, material certifications and warranties, and a request for City Engineer certification of completed public improvements.

No building or service connection to sanitary sewers, storm drains, or water lines will be permitted until these systems have received certification by the City Engineer, or unless otherwise approved by the City for connections (including the payment of connection charges).

The completion of all public improvements, including submittal of "As-Built Drawings" shall be required prior to the issuance of a building permit, however, in certain situations, a building permit may be granted prior to the completion of the public improvements provided the Owner/Developer submits a bond for the public improvements, as required in Chapter 4. All public improvements including "As-Built Drawings" must be completed prior to receiving a Certificate of Occupancy.

When all public improvements have been completed in an acceptable manner, and following receipt of a Certificate of Work Completion package, the City Engineer shall provide certification of completed public improvements. Certification by the City shall not relieve the Owner/Developer's, or the Contractor's liability of all work being performed in conformance with the approved plans, specifications and permit. Public improvements shall be deemed accepted by the City within the timeframes set forth within the UMC.

CHAPTER 3 - GENERAL PLAN REQUIREMENTS

All plans, details, specifications, engineering calculations, diagrams, and other relevant data shall be designed and prepared by a Civil Engineer currently licensed by the State of Oregon.

GENERAL PLAN FORMAT

1. Plan sheets and profile sheets or combined plan and profile sheets and detail sheets shall be on a sheet size of 11”x17” (ANSI B) or 22" x 34" (ANSI D) with the engineers stamp at the appropriate size for the full size plan set.

2. The Cover sheet shall contain the following:

    a. Title of the project;
    b. Name, address, and phone number of the owner/developer;
    c. Name, address, and phone number and stamp of the Civil Engineer preparing the plans (Consultant);
    d. A minimum clear area of 2.5”Hx3.5”L for final acceptance stamp for City final approval of the plans;
    e. Vicinity map showing the project site location;
    f. Survey benchmark used for the project;
    g. An overall site plan with contours;
    h. Sheet Index;
    i. Legend;
    j. Applicable project information; and
    k. The utility locate call # 811.

3. Each sheet shall contain the following:

    a. Project title and City project number, work order number, or LID number, if appropriate;
    b. Quarter section, Section - Township – Range;
    c. Sheet title;
    d. Page (of page) numbering;
    e. Revision block;
    f. Subdivision or short plat name;
    g. Signed stamp by a Civil Engineer currently licensed by the State of Oregon; and
    h. A minimum clear area of 2.5”Hx3.5”L for final acceptance stamp for City final approval of the plans.

4. All plan sheets must have a NORTH arrow preferably pointing to the top of the sheet or to the left and must indicate the drawing scale. All engineering plans must be drawn to an appropriate engineer's scale. For profiles, the vertical scale shall be 1"=2', 1"=5' or 1"=10'. The horizontal scale shall be the same for both plan and profile and shall normally be 1"= 20'. Plan and profile stationing shall generally read left to right.

5. Match lines are required at breaks between sheets.

6. The Horizontal Datum for all plan submittals must be based on the City of Umatilla datum, NAD 83 (2011). The Vertical Datum for all plan submittals must be based on the City of Umatilla datum, NAVD 88. The benchmark used shall be referenced on the plans. An assumed datum will not be accepted.

7. Existing features and topography within the project construction limits must be shown on the plans. This shall include existing road width and surfacing, utility poles, existing underground utilities and surface appurtenances, significant trees, landscaping, and other elements that may affect design/construction.

8. All existing and proposed underground utilities and pipes shall be shown in the profile. The location and depth of existing facilities should be verified if there is a potential conflict with proposed facilities.

9. All street, water, sewer and storm drainage work shall be drawn on standard plan and profile sheets. Street, water, sewer, storm drainage, irrigation, and electrical design information shall all be shown on the same plan and profile sheets.

10. Plan sheets shall indicate all existing and proposed property lines, right-of-way lines, and easements.

11. Plan sheets shall show all horizontal survey control as required to properly locate and tie the improvements in horizontal location.

12. An erosion/sedimentation control plan sheet shall be included in the plan set.

WATER SYSTEM PLAN REQUIREMENTS

See CHAPTER 5 for specific design requirements.

1. Show all existing and proposed water system features if known, including but not limited to:

    a. Water mains;
    b. Water valves;
    c. Water meters;
    d. Water service lines;
    e. Fire hydrants;
    f. Blow offs;
    g. Air and vacuum release valve assemblies;
    h. Pressure reducing valves;
    i. Fire sprinkler system lines;
    j. Double check valves;
    k. Post indicator valves; and
    l. Thrust blocking/mechanical restraints.
2. Indicate all easements required for the water main extensions and future extensions.
3. Show the water system, irrigation system, and the sanitary sewer system on the same plan and profile view for verification of minimum separation requirements. The design information for each system may be on individual drawings for that system.
4. Show the length, size, and pipe type for all main extensions, fire sprinkler system services, and domestic services where applicable.
5. Identify all joint connections; provide detail of all non-standard joints.
6. Show by station or dimension the location of all fire hydrants, tees, crosses, and services relative to centerline or property lines.
7. A profile view shall be shown for all City water main extensions, aligned if practical with the plan view. Clearly indicate the horizontal and vertical scales.
8. Show the minimum cover and minimum separation on each sheet.
9. In the profile view, show all utilities crossing the proposed water main.

SANITARY SEWER SYSTEM PLAN REQUIREMENTS

See CHAPTER 6 for specific design requirements.

1. Show all existing and proposed sanitary sewer system features including, but not limited to, the following:

    a. Sewer mains, gravity and force mains;
    b. Side service, proposed locations;
    c. Manholes;
    d. Clean outs; and
    e. Lift stations.

2. Indicate all easements required for the sanitary sewer main extensions and laterals.

3. Provide an overall site plan of development with contours, to show that all lots/parcels will be served by the proposed sewer system at design depth for all new development.

4. Show the sanitary sewer system and water system on the same plan and profile for verification of minimum separation requirements. The design information for each may be on individual drawings for that system.

5. Slope, length, size, and pipe type shall be indicated for all lines and side sewers. Pipe length shall be measured from centerline of manholes.

6. Provide a profile for each sanitary sewer main extension. Clearly indicate the vertical and horizontal scale. Show the profile on the same sheet with, and aligned underneath, the plan view as practical.

7. The plan and profile must show the location of all existing and proposed gas, water, irrigation, storm drain, and other utility lines and crossings.

8. Show all vertical data in the profile view and all horizontal data in the plan view. It is not desirable to repeat the vertical data in the plan view unless it does not show in a profile.

9. Each manhole shall be uniquely numbered and shall be stationed off of a referenced centerline. Indicate rim and invert elevations in and out at all manholes.

10. Indicate the length of each side sewer stub, the centerline stationing for each side sewer, and the size.

STORMWATER SYSTEM PLAN REQUIREMENTS

See CHAPTER 7 for specific design requirements.

1. Show all existing features if known and all proposed storm sewer (drain) system features, including but not limited to:
    a. Storm drain mains and lines;
    b. Catch basins;
    c. Inlets;
    d. Drywells;

e. Infiltration trenches;
f. Retention systems;
g. Biofiltration swales;
h. Culverts;
i. Streams;
j. Ditches;
k. Natural drainage swales;
l. Headwalls;
m. Oil/water separator assembly; and
n. Other requirements of the DEQ and ODOT Hydraulic Manual.

2. Indicate all easements required for the storm drainage system.
3. The plans shall clearly indicate the location of the storm drainage items stationed from a referenced centerline.
4. Show all horizontal measurements and control in the plan view.
5. Show slope, length, size, and pipe material for all storm drain mains and lines.
6. All catch basins and inlets shall be uniquely numbered and shall be clearly labeled. Stationing and offsets shall be indicated from referenced centerline. Show all proposed storm drain features within the right of way in a profile.
7. Indicate all grate, rim, and invert elevations in the profile view.
8. Provide a stormwater report consistent with DEQ and ODOT Hydraulic Manual, with an emphasis on runoff and drainage facilities sizing calculations as described in CHAPTER 7. Additionally, the stormwater report shall include a maintenance plan for all drainage facilities, both public and private.

STREET PLAN REQUIREMENTS

See CHAPTER 8 for specific design requirements.

1. Show all existing and proposed roadway improvements, including but not limited to:

a. Contours
b. Pavement and edge of pavement;
c. Concrete curb and gutter;
d. Sidewalk(s);
e. Utilities (manholes, utility poles, pedestals, valves, water meters, etc.);
f. Sidewalk ramps;
g. Signs and Barricades;
h. Channelization and pavement markings
i. Driveways;
j. Rockery or retaining walls;
k. Mailboxes;

l. Monuments;
m. Streetlights, conduits, junction boxes, and service cabinet;
n. Compliance with ADA requirements including design elevations at all pedestrian ramps; and
o. Traffic control plans.

2. Show all Right of Way (R/W) lines, centerlines, and roadway widths for all rights of way.
3. Clearly differentiate between areas of existing pavement, areas of new pavement, and areas to be overlaid.
4. Provide a cross section or typical section of all rights of way indicating right of way width, centerline, pavement width, super-elevation or crown, sidewalk, street lights, curb and gutter, pavement, and base thickness of proposed section.
5. Provide a Plan and Profile of all new public roadways or extensions of existing roadways. Provide topography within the R/W including utilities. Indicate all horizontal and vertical curve data, percent of grade, bearings, centerline stationing every 50 feet, finish grade elevations, and existing ground line. The profile of the existing centerline ground should extend a minimum of 100 feet before the beginning and at the end of the proposed improvements to show the gradient blend.
6. Align the profile view with the plan view, if practical. Clearly indicate the horizontal and the vertical scale.
7. Clearly label all profiles with respective street names and plan sheet reference numbers if drawn on separate sheets.
8. Provide survey monuments along the road centerline at all ends of curves, intersection points, angle points, and center of cul-de-sacs.
9. For developments where road work is required on an existing street, development plans are required to include cross section of the existing street and spot elevations at proposed intersections and appurtenances to the project.

CHAPTER 4 - GENERAL REQUIREMENTS FOR ALL PROJECTS

FORWARD

The City of Umatilla has adopted the latest edition of the Oregon Standard Specifications for Construction as the standard specifications governing all design and construction of public works improvements by the City and by private developers.

All references hereinafter made to the "Standard Specifications" shall refer to the latest edition of the Standard Specifications described above. Except as may be amended, modified, or supplemented hereinafter, each section of the Standard Specifications shall be considered as much a part of these requirements as if they were actually set forth herein.

The Standard Specifications, General and Project Special Provisions, and City Standard Details contained in these Design and Construction Standards shall apply in their entirety to all City of Umatilla public works projects. These Design and Construction Standards have been prepared to form a compiled document intended to assist and inform developers, consultants, and contractors of the construction requirements to be used on proposed public works improvements.

The Standard Specifications, General and Project Special Provisions, and City Standard Details shall periodically be amended, revised, and updated. It shall be the responsibility of each user of this information to verify that he has the latest revisions prior to submitting any work covered by these specifications and details.

Copies of the Standard Specifications are available for review and inspection at the City of Umatilla Public Works Division.

Copies of the Oregon Standard Specifications for Construction may be purchased from:
Oregon Department of Transportation (ODOT)
https://5207--62.myuplinxstore.com/franchise/index.htm

Oregon standard specification for construction
https://www.oregon.gov/ODOT/Business/Pages/Standard_Specifications.aspx

Oregon standard drawings
https://www.oregon.gov/odot/Engineering/Pages/Drawings-Roadway.aspx

Developers and contractors are encouraged to obtain a copy of these standards.

GENERAL

All work shall be completed in accordance with the approved Plans, the latest edition of the Oregon Standard Specifications for Construction amendments to the Standard Specifications, referenced codes and organizations, and these Special Provisions.

All materials incorporated into a proposed public works improvements project shall meet the requirements of the various material sections of the Oregon Standard Specifications for Construction or City of Umatilla Design and Construction Standards as shown in the Standard Details and Special Provisions.

SECTION 00110 – ORGANIZATION, CONVENTIONS, ABBREVIATIONS, AND DEFINITIONS

00110.20 Definitions

The terms defined in Section 0010.20 of the Oregon Standard Specifications for Construction shall be further described by the following:

Consultant:	Means an engineer licensed in the State of Oregon, employed by the Developer to design the improvement and prepare plans and specifications, perform construction staking, or similar services.
Construction Documents:	Means the project plans, specifications, and special provisions prepared by the Developer's Consultant for the public works improvements contemplated and approved by the City.
City:	Means the City of Umatilla, a municipal corporation, as represented by its authorized officials, employees or agents. The term "Contracting Agency" and "City" are synonymous.
Contractor:	Means the person or firm employed by the Developer or under Contract with the City to do the construction of the public works improvements.
Developer:	Means the person or firm constructing the new development and engaging the services of and employing consultants, and/or contractors and paying for the design and construction of the public works improvements to be transferred to the City.

Drawings:	Means the construction plans prepared by the Developer's Consultant for the public works improvements contemplated. The terms "Construction Documents," "Contract Documents," "Plans," "Engineer's Plans," "Engineer's Drawings," "Working Drawings," and "Project Manual" are synonymous.
City Engineer:	Means the appointed City Engineer for the City of Umatilla or his/her duly authorized agent or representative.
Owner:	Means the City of Umatilla acting through its legally established officials, boards, commissions, etc., as represented by its authorized officers, employees, or agents.
Public Works Director:	Means the appointed official for the City, responsible for managing the Department of Public Works.
Standard Plans and Details:	Means specific drawings adopted by the City of Umatilla and revised from time to time which show frequently recurring components of work which have been standardized for use.
Standard Specifications:	The latest edition of the Oregon Standard Specifications for Construction. Except as may be amended, modified, or supplemented hereinafter, each section of the Standard Specifications shall be considered as much a part of these Construction Documents as if they were actually set forth herein.
Special Provisions:	The Special Provisions supplement or modify the Standard Specifications and supersede any conflicting provisions of the Oregon Standard Specifications for Construction and the appended amendments to the Standard Specifications and are made a part of a Construction Document.

Should any conflicts be encountered, the following inter-relationships shall govern: The Special Provisions shall supersede the Standard Specifications.

Supplement this section with the following:

> All references in the Standard Specifications, Amendments, or Oregon Standard Specifications for Construction, to the terms "Department of Transportation", "Oregon State Transportation Commission", "Commission", "Secretary of Transportation",

"Secretary", "Headquarters", and "State Treasurer" shall be revised to read "Contracting Agency".

All references to the terms "State" or "state" shall be revised to read "Contracting Agency" unless the reference is to an administrative agency of the State of Oregon, a State statute or regulation, or the context reasonably indicates otherwise.

All references to "State Materials Laboratory" shall be revised to read "Contracting Agency designated location".

All references to "certification of completed public improvements" shall be interpreted to mean the Contracting Agency form(s) by which final completion is granted. Public improvements shall be deemed accepted by the City one year from the date of certification.

Section 00140 - SCOPE OF THE WORK

00140.30 Agency-Required Changes in the Work

Supplement this section with the following:

No changes in the work covered by the approved Construction Documents shall be made without having prior written approval of the Developer and the City.

00140.90 Final Trimming and Cleanup

Supplement this section with the following:

The Contractor shall perform final cleanup as provided in this section to the Developer's and City's satisfaction. The date of acceptance will not be established until this is done. The material sites and all ground the Contractor occupied to do the work shall be left neat and presentable. The Contractor shall:

1. Remove all rubbish, surplus materials, discarded materials, falsework, temporary structures, equipment, and debris, and

2. Deposit in embankments, or remove from the project, all unneeded, oversized rock left from grading, surfacing, or paving.

Partial cleanup shall be done by the Contractor when he feels it is necessary or when, in the opinion of the City or Developer, partial clean-up should be done prior to either major cleanup or final inspection.

00140.91 Waste Site (New Section)

The following new section shall be added to the Standard Specifications:

> Where there is additional waste excavation in excess of that needed for the project and in excess of that needed for compliance with requests of the Developer or City, the Contractor shall secure and operate his own waste site at his own expense. The Contractor shall also be required to secure and operate his own waste site at his own expense for the disposal of all unsuitable material, asphalt, concrete, debris, waste material, and any other objectionable material which is directed to waste.
>
> The Contractor shall comply with the State of Oregon's regulations regarding disposal of waste material.

Section 00150 - CONTROL OF WORK

00150.00 Authority of the Engineer

Supplement this section with the following:

> Unless otherwise expressly provided in the approved Construction Drawings, Specifications and Addenda, the means and methods of construction shall be such as the Contractor may choose; subject, however, to the Consultant and the City's right to reject the means and methods proposed by the Contractor which (1) will constitute or create a hazard to the work, or to persons or property; or (2) will not produce finished work in accordance with the terms of the approved Construction Documents. Approval of the Contractor's means and methods of construction or his failure to exercise his right to reject such means or methods shall not relieve the Contractor of the obligation to accomplish the result intended by the Construction Documents; nor shall the exercise of such right to reject create a cause for action for damages.

00150.15 Construction Stakes, Lies, and Grades

Delete this section and replace it with the following:

A land surveyor licensed in the State of Oregon, retained by the Developer, shall establish the line and grade of proposed construction by offset stakes. Said surveyor shall establish the centerline for minor structures and benchmarks at convenient locations for use by the Contractor and City inspectors. GPS systems may be used by the Contractor, but physical reference points shall be available for City inspectors.

The Contractor shall establish grades from the surveyor's stakes at suitable intervals in accordance with industry standards and acceptable to the City. Where new construction adjoins existing construction, the Contractor shall make such adjustments in grade as are necessary, and approved by the City.

It is the contractors responsibility to hire a professional land surveyor licensed in the State of Oregon to reference, reset, and record a survey for any damaged monumentation in accordance with ORS 209.140, ORS 209.150, and ORS 209.250.

00150.20 Inspections

Supplement this section with the following:

The City Engineer or his representative may not be on the job site full-time. The Contractor shall follow the approved construction plans and specifications, schedule, and request inspections and testing at the appropriate times as required herein. The Engineer will try to provide inspections on short notice, but if unable to, the requirements for proper notice shall apply. The project schedule prepared by the Contractor and approved by the Engineer shall also be used as a guide for the Contractor to schedule inspections. The Contractor shall provide a minimum 48 hours notice to request inspections and testing, but in no case shall there be more than 72 hours notice. The request shall state the date and approximate time the inspection or test is requested. If the Contractor has requested two (2) inspections or tests and is not prepared for said inspection or test, the Contractor shall pay the costs for any additional improperly scheduled requests.

At the beginning of the project, or each applicable construction activity, the Contractor shall meet with the City Engineer or his representative and establish a minimum 100 feet of product, in the field, which meets the specifications. This work includes: Survey staking and control, pavement cuts, utility trenches, trench bedding, pipe installation, backfill, patches, curb and gutter alignment, grade and finish, sidewalk finish, paving finish, and any other activities determined by the Engineer to be important to the project. No major amount of work shall proceed until this is established. This does not waive the Contractor's requirements in the specifications for quality control or materials used.

Inspections and testing are mandatory for acceptance of backfilling any utility trenches; placing base course and top course for streets; paving; placing sidewalks, curbs and gutters; storm, sewer and water line installation.

00150.35 (e) Project Record Drawings (New Section)

The following new section shall be added to the Standard Specifications:

> Approval Requirements. Prior to approval of a final plat, all required infrastructure improvements including as-built drawings and data of all underground utilities necessary to serve said plat must be constructed and accepted by the City Engineer. In lieu of actually completing all improvements, the developer may provide the City with a bond, cash or irrevocable letter of credit in an amount equal to 125 percent of the City Engineer's estimate of the cost to complete the required infrastructure improvements. No certificate of occupancy will be issued for any structure in a subdivision until all infrastructure improvements are completed.

This shall apply to all privately developed parcels, including commercial, within the City of Umatilla and the expected as-built documentation will follow the procedures and requirements contained herein for final acceptance of work. Drawings shall be kept current weekly, with all field instruction, change orders, and construction adjustment. Drawings shall be subject to the inspection of the Developer and the City at all times.

In conjunction with the Public Works Engineering Plan Review Process, post construction record drawings are required for all Private Development projects. The intent of this document is to guide the designing Engineer, the Developer and their Consultants in providing the City with acceptable record drawings and survey information.

When the improvements are complete and intended for acceptance by the City, including landscaping, the developer shall prepare "as-built" record drawings for the City using the current set of approved construction drawings, including all revisions and contractor's field mark-ups. The record drawings shall incorporate all changes made by both the Engineer and in the field during the construction process. Changes to be noted shall include changes in material, size, grade and location of utilities.

Bonding or Phased Improvements

The Developer can bond for remaining improvements per UMC. In cases where the remaining improvements are bonded, the Developer is responsible to provide complete record drawings for constructed improvements, both paper and electronic, prior to receiving bonding acceptance consideration for remaining improvements or phases.

Future phases will not receive bonding acceptance without written acceptance of the Record Drawings from completed phases per this section.

Preliminary (Paper) Record Drawing Procedures

1. A licensed Engineer representing the Developer will ensure that all improvements associated with the approved construction plans are obtained and create an accurate as-built topographical representation of the data.

2. The data, differing from initial plan acceptance, will be incorporated into the preliminary record drawings and the Engineer will adjust the features in the record drawings to match the actual data. All revised and verified elevations for sewer, storm, water, and irrigation will be shown on the record drawings by striking a single line through the design elevations and adding the surveyed "as-built" elevations. Horizontal locations will be indicated by using centerline station and offsets. All revised and verified station and offsets will be shown on the record drawings by striking a single line through the design station and offsets and adding the surveyed station and offsets. The stationing will be based on the approved construction drawings. The Engineer will update both the plan and profile layouts with the revised and verified data. Revised information shall be "clouded" as appropriate to indicate revisions.

3. Prior to final walk-through, the Engineer will compile the data and submit two copies of the preliminary (paper) record drawings to the City. The walk-through will not be scheduled until the paper record drawings are received.

Preliminary Record Drawing Submittals

- Two (2) paper copies (22"x34") including all field changes made.
- The preliminary record drawing will have all changes from the approved construction drawings clouded.
- The preliminary record drawing submittal will include the final field information as-built.

Upon receipt of the paper record drawings, the City shall have 10 business days to review the documents. Should the paper record drawings be found to be inaccurate or incomplete, the City shall have an additional 10 business days to review all subsequent submissions.

Final (Hard Copy and Electronic) Record Drawing Procedures

After receiving approval of the preliminary paper record drawing from the City, the developer/designing Engineer will submit the following:

Final Record Drawing Submittals

- One (1) full size copy of the corrected record drawing. The final record drawing shall be signed and sealed by a licensed Engineer and licensed surveyor. The clouding of changes will be removed before the hard copy is submitted.
- One (1) PDF copy of the final record drawing.
- One (1) electronic copy of data in AutoCAD.

Upon receipt of the electronic data, the City shall have 10 business days to review the information. Should the electronic data be found to be inaccurate or incomplete, the City shall have an additional 10 business days to review all subsequent submissions. The project will not be considered Substantially Complete until both the Hard Copy and Electronic as-builts have been deemed acceptable by the City.

00150.50 Cooperation with Utilities

Supplement this section with the following:

It shall be the Contractor/Developer's responsibility to notify all non-City of Umatilla utility companies of project including coordination of any impacts.

It shall be the Contractor's responsibility to investigate and verify the presence and location of all utilities prior to construction.

The Contractor/Developer shall call for field location, not less than two nor more than ten business days before the scheduled date for commencement of excavation which may affect underground utility facilities, unless otherwise agreed upon by the parties involved. A business day is defined as any day other than Saturday, Sunday, or a legal local, state, or federal holiday. The phone number for the Oregon utility notification

center 1-800-424-5555 (or 811). If no one-number locator service is available, notice shall be provided individually by the Contractor to those owners known to or suspected of having underground facilities within the area of proposed excavation.

No excavation shall begin until all known facilities, in the vicinity of the excavation area, have been located and marked.

The Contractor shall use surface features and other evidence in determining the approximate utility location prior to excavation. The Contractor shall hand dig to expose known utilities.

Where the location of the work is in proximity to overhead wires and power lines, the Contractor shall coordinate all work with the utility and shall provide for such measures as may be necessary for the protection of workmen.

Only City personnel shall operate water system valves.

00150.55 Cooperation With Other Contractors

Supplement this section with the following:

No additional compensation will be given to the Contractor for any coordination or delays caused by other nearby construction projects.

00150.80 Removal of Unacceptable and Unauthorized Work

Supplement this section with the following:

If the Contractor fails to remedy defective or unauthorized work within the time specified in a written notice from the City Engineer, or fails to perform any part of the work required by the Contract Documents, the City Engineer may correct and remedy such work as may be identified in the written notice, with Contracting Agency forces or by such other means as the Contracting Agency may deem necessary.

If the Contractor fails to comply with a written order to remedy what the City Engineer determines to be an emergency situation, the Engineer may have the defective and unauthorized work corrected immediately, the rejected work removed and replaced, or have work the Contractor refuses to perform completed by using Contracting Agency or other forces. An emergency situation is any situation when, in the opinion of the

Engineer, a delay in its remedy could be potentially unsafe, or might cause serious risk of loss or damage to the public.

Direct or indirect costs incurred by the Contracting Agency attributable to correcting and remedying defective or unauthorized work, or work the Contractor failed or refused to perform, shall be paid by the Developer/Contractor. Such direct and indirect costs shall include in particular, but without limitation, compensation for additional professional services required, and costs for repair and replacement of work of others destroyed or damaged by correction, removal, or replacement of the Contractor's unauthorized work.

The rights exercised under the provisions of this section shall not diminish the Contracting Agency's right to pursue any other avenue for additional remedy or damages with respect to the Contractor's failure to perform the work as required.

Supplement this section with the following:

For new roadway/street construction and overlays, HMA work rejected shall require the replacement of the entire road or street width from block to block or as approved in writing from the City Engineer. For trench patching, HMA work rejected shall require the replacement of the entire patch width from block to block or as approved in writing from the City Engineer.

00150.96 Maintenance Warranties and Guarantees

Delete this section and replace it with the following:

If defective and unauthorized materials or work is discovered within the guarantee timeframe after the certification of completed public improvements date, the Developer/Contractor shall promptly, upon written request, return and in accordance with the instructions either correct such work, or if such work has been rejected, remove it from the Project Site and replace it with non-defective and authorized work, all without cost to the City. If the Contractor does not promptly comply with the written request to correct defective and unauthorized work, or if an emergency exists, the City reserves the right to have defective and unauthorized work corrected or rejected, removed, and replaced pursuant to the provisions of Section 00150.80 of the Standard Specifications.

00150.97 Responsibility for Materials and Workmanship

Supplement this section with the following:

The Contractor is responsible for constructing and completing all work included in the approved Construction Documents and any other work directed by the Developer in a professional manner with first-class workmanship.

The Contractor shall keep the City of Umatilla, the Developer, and the Consultant informed in writing of the address to which official correspondence is to be directed, the address and phone number of the person in charge of his field personnel, and the address and telephone number of the Contractor's representative who will be responsible and available outside of normal working hours for emergency repairs and the maintenance of traffic control and safety devices.

The Developer shall be responsible for the satisfactory operation and condition of all public improvements for a period consistent with that specified in CHAPTER 1, under Transfer of Ownership.

00150.98 Means and Methods (New Section)

The following new section shall be added to the Standard Specifications:

Unless otherwise expressly provided in the Contract Drawings, Specifications and Addenda, the means and methods of construction shall be such as the Contractor may choose; subject, however, to the Consultant's or City's right to reject means and methods proposed by the Contractor which (1) will constitute or create a hazard to the work, or to persons or property; or (2) will not produce finished work in accordance with the terms of the Contract. The Consultant's or City's approval of the Contractor's means and methods of construction or his failure to exercise his right to reject such means or methods shall not relieve the Contractor of the obligation to accomplish the result intended by the Contract; nor shall the exercise of such right to reject create a cause for action for damages.

00150.99 Water and Power (New Section)

The following new section shall be added to the Standard Specifications:

Water Supply: The Developer shall make necessary arrangements and shall bear the costs for water necessary for the performance of the work. Water for use on the projects may be purchased from the City of Umatilla, and the Contractor shall arrange for and convey the water from the nearest convenient hydrant or other source at his own

expense. The hydrants shall be used in accordance with the City of Umatilla Water Department regulations.

If City water is used for any work related to a project, a fire hydrant meter and gate valve will need to be obtained from the City of Umatilla to be used specifically for this project. The City will charge the Contractor for any water used during construction. The Contractor shall not operate the hydrant as a gate valve, nor shall the Contractor be allowed to operate any other City owned valve. The Contractor shall provide the necessary back flow prevention device when connecting to the water service. The Fire Hydrant Meter requirements and the Fire Hydrant Meter Application are available at the Customer Service Window and the Engineering Department.

The City reserves the right to deny the use of fire hydrants where deemed inappropriate by the City.

Power Supply: The Developer shall make necessary arrangements and shall bear the costs for power necessary for the performance of the work.

00150.100 Oral Agreements (New Section)

The following new section shall be added to the Standard Specifications:

No oral agreement or conversation with any officer, agent, or employee of the Contracting Agency, either before or after construction, shall affect or modify any of the terms or obligations contained in any of the City-approved documents. Such oral agreement or conversation shall be considered as unofficial information and in no way binding upon the Contracting Agency, unless subsequently put in writing and signed by the Contracting Agency.

Section 00165 QUALITY OF MATERIALS

00165.03 Testing by Agency

Delete this section and replace with the following:

The Contractor/Developer shall be responsible for scheduling and paying for all material and compaction testing required by these Design and Construction Standards for new public works Improvements. All testing services shall be performed by an independent, certified testing firm and/or laboratory meeting the approval of the City Engineer. The Contractor shall submit information relating to the qualifications of the proposed testing

firm to the City for review and approval prior to the preconstruction conference. The testing firm shall provide copies of all test results to the City within 24 hours after completion of any test. Test reports shall become the property of the City. Testing frequencies listed below may be modified to assure compliance with the Specifications.

Trench Backfill

Copies of moisture-density curves for each type of material encountered and copies of all test results shall be provided to the City as construction progresses.

Three (3) compaction tests, at varying depths, shall be performed within the first one hundred (100) feet of pipeline installed to establish compaction method. Once a satisfactory method has been established, one test shall be performed for each one hundred (100) linear feet of pipeline installed. Tests shall be taken at varying depths along the trench. Compaction method shall be reestablished each time backfill material, compaction equipment, or method of operation changes.

The City Engineer may request additional tests be performed at the Contractor's/Developer's expense, if test results do not meet the required trench backfill densities.

Roadway Subgrade

Copies of the moisture density curves for each type of material encountered and copies of all test results shall be provided to the City Engineer as construction progresses.

Subgrade compaction shall be as specified for 00330.42 Embankment, Fills, and Backfills and 00330.43 Earthwork Compaction requirements. The City Engineer may request additional tests be performed at the Contractor's expense, if test results do not meet the required subgrade densities.

Embankment

Copies of the moisture density curves for each type of material encountered and copies of all test results shall be provided to the City Engineer as construction progresses.

Two (2) compaction tests shall be taken for the first one thousand (1,000) square feet and one (1) test for each additional one thousand (1,000) square feet. Tests will be taken at varying depths within the embankment.

The City Engineer may request additional tests be performed at the Contractor's expense, if test results do not meet the required subgrade densities. Subgrade compaction shall be as specified for 00330.42 Embankment, Fills, and Backfills and 00330.43 Earthwork Compaction Requirements.

Aggregate Subbase, Base, Shoulders

Copies of the moisture density curves and gradation for each type of material incorporated into the project and copies of all test results shall be provided to the City Engineer as construction progresses.

Two (2) compaction tests shall be taken for the first ten thousand (10,000) square feet and one (1) test for each additional ten thousand (10,000) square feet.

The City Engineer may request additional tests be performed at the Contractor's/Developer's expense, if test results do not meet the required subgrade densities.

Compaction of aggregate subbase, base, shoulders course shall be as specified in Sections 00641.43 and 00641.44.

Asphalt Concrete Pavement

Asphalt paving may not occur until successful compaction test results are provided to the City Engineer for trench backfill, subgrade, embankment, ballast and crushed surfacing, as applicable. Copies of the reference maximum density test for each class of Hot Mix Asphalt Concrete Pavement and copies of all test results shall be provided to the City Engineer as construction progresses.

The City Engineer may request additional tests be performed at the Contractor's/Developer's expense, if test results do not meet the required densities.

Compaction of Hot Mix Asphalt Concrete Pavement shall be as specified in Section 00744.49.

Cement Concrete Curb, Gutter, and Sidewalk

A copy of the cement concrete design mix or certification from the concrete supplier that the concrete provided has been prepared to the strength requirement as specified elsewhere in these specifications.

All testing procedures shall be conducted in accordance with applicable Sections of 00440 and 00759.

Copies of all test results shall be provided to the City Engineer as construction progresses.

Section 00170 – LEGAL RELATIONS AND RESPONSIBILITIES

00170.02 Permits, Licenses, and Taxes

Supplement this Section with the following:

The Contractor shall obtain a City of Umatilla right-of-way permit for all work within the right- of-way prior to the start of work consistent with the UMC.

The Contractor and all subcontractors are responsible for obtaining and paying for business licenses in the City of Umatilla.

00170.60 Safety, Health, and Sanitation Provisions

Supplement 00170.60 with the following:

In cases of conflict between different safety regulations, the more stringent regulation shall apply.

The Contractor shall maintain at the project site office, or other well-known place at the project site, all articles necessary for providing first aid to the injured. The Contractor shall establish, publish, and make known to all employees, procedures for ensuring immediate removal to a hospital, or doctor's care, persons, including employees, who may have been injured on the project site. Employees should not be permitted to work on the project site before the Contractor has established and made known procedures for removal of injured persons to a hospital or a doctor's care.

The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the Contractor's plant, appliances, and methods, and for any damage or injury resulting from their failure, or improper maintenance, use, or operation. The Contractor shall be solely and completely responsible for the conditions of the project site, including safety for all persons and property in the performance of the work. This requirement shall apply continuously, and not be limited to normal working hours. The required or implied duty of the Engineer to conduct construction review of the Contractor's performance does

not, and shall not, be intended to include review and adequacy of the Contractor's safety measures in, on, or near the project site.

Supplement this section with the following:

All work shall be performed in accordance with all applicable local, state, and federal health and safety codes, standards, regulations, and/or accepted industry standards. It shall be the responsibility of the Contractor to ensure that his work force and the public are adequately protected against any hazards.

The City of Umatilla or Developer shall have the authority at all times to issue a stop work order at no penalty if, in their opinion, working conditions present an undue hazard to the public, property, or the work force. Such authority shall not, however, relieve the Contractor of responsibility for the maintenance of safe working conditions or assess any responsibility to the City or Developer for the identification of any or all unsafe conditions.

Supplement this section with the following:

All signs, barricades, traffic control devices, and labor for traffic control required by construction activities for the control of traffic shall be supplied, placed, and maintained by the Contractor. This shall apply to detours and traffic control both within and outside the limits of the project.

All work shall be done under a plan which shall have the approval of the City of Umatilla Engineering Division and create a minimum of interruption or inconvenience to pedestrian and vehicular traffic. All arrangements to care for such traffic will be the Contractor's responsibility and shall be made at his expense. All work shall be carried out with due regard for public safety. Open trenches shall be provided with proper barricades and at night they shall be distinctly indicated by adequately placed lights. At entrances to business properties and other private roads, driveways, bridges, or other such means as to provide access shall be provided by the Contractor. The Contractor shall maintain vehicular and pedestrian access to businesses at all times that businesses are open for business.

Upon failure of the Contractor to immediately provide and maintain adequate suitable barricades, lights and detour signs, when ordered to do so, the City shall be at liberty, without further notice to the Contractor or the Surety, to provide the same and request payment for providing proper barricades, lights, and signs, and the City assumes no liability connected therewith.

Any traffic restriction must have prior approval of the City of Umatilla Engineering Division. Appropriate traffic control measures and signing are required during such temporary road closures.

It shall be the responsibility of the Contractor to secure the City's approval for any desired road closure and associated traffic control plan including detours. Following approval, the Contractor shall notify the Developer, City of Umatilla, and the Police and Fire Departments and Umatilla School District at least 24 hours prior to closing any street. When the street is re-opened, it shall again be the responsibility of the Contractor to notify the above named departments and persons.

00170.70 Insurance

Supplement this section with the following:

The Contractor shall obtain and maintain in full force and effect during the duration of the work public liability and property damage insurance in accordance with this section and as modified herein.

The City of Umatilla shall set insurance requirements for each project. Prior to start of construction, the Contractor/Developer shall furnish the City of Umatilla a Certificate of Insurance and the additional insured endorsements as evidence of compliance with these requirements. This certificate shall name the City of Umatilla, its employees, agents, elected and appointed officials, consultants, and all subcontractors as "additional insureds" and shall stipulate that the policies named thereon cannot be canceled unless at least forty-five (45) days written notice has been given to the City of Umatilla. The certificate shall not contain the following or similar wording regarding cancellation notification: "Failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents, or representatives."

Section 00180 – PROSECUTION AND PROGRESS

00180.42 Preconstruction Conference

Supplement this section with the following:

Prior to the commencement of any work, a preconstruction conference shall be held. The Contractor or Developer shall contact the City of Umatilla Engineering Division and set a date and time for the meeting. It shall be the responsibility of the Contractor/Developer to notify and invite all parties having an interest in the project to the meeting, including

the major subcontractors, Engineering Division, Irrigation Districts, and all applicable private utilities.

At this conference, all points of the approved Plans and Specifications will be open to discussion including scope, order and coordination of work, equipment lead time required, means and methods of construction, inspection and reporting procedures, etc. The Contractor should satisfy himself that all provisions and intentions of the work are fully understood.

The Contractor shall prepare and submit to the City and Developer at the preconstruction conference a Construction Progress and Completion Schedule using a bar graph format. Items in the Schedule shall be arranged in the order and sequence in which they will be performed. The schedule shall be drawn to a time scale, shown along the base of the diagram, using an appropriate measurement per day with weekends and holidays indicated. The Construction Progress Schedule shall be continuously updated and, if necessary, redrawn upon the first working day of each month or upon issuance of any Change Order which substantially affects the scheduling. Copies (2 prints or 1 reproducible) of newly updated Schedules shall be forwarded to the City Engineer, as directed, immediately upon preparation.

Any proposed road or sidewalk closures shall be presented to City Public Works at the preconstruction conference for consideration, including duration of closure. If approved, closures shall not extend beyond permitted duration.

At the discretion of the City Engineer, a weekly meeting between representatives of the City (inspector and/or engineer) and contractor (foreman, supervisor, and/or project manager) shall be held at the project site or at City Hall at a pre-determined time. The contractor shall present an update on project status, project schedule, and any problems that have arisen.

CHAPTER 5 - WATER SYSTEM IMPROVEMENTS

GENERAL REQUIREMENTS FOR WATER SYSTEM IMPROVEMENTS

All extensions and additions to the City of Umatilla's domestic water system shall conform to the Design and Construction Standards of the City of Umatilla, Oregon Standard Specifications for Construction, Oregon Health Authority, American Water Works Association, and designed by a Civil Engineer currently licensed by the State of Oregon.

All new lots and developments shall be served by a public domestic water supply line to be maintained by the City of Umatilla and located adjacent to the lot or development site. The water supply line shall be capable of providing sufficient flow and pressure to satisfy the fire flow and domestic service requirements of the proposed lots and development requirements. If determined necessary by the City Engineer, hydraulic analysis including modeling shall be performed by the City or its agents, and all costs shall be borne by the Developer.

Water lines shall be extended by the Developer to the point where the adjoining property owner's responsibility for further extension begins. This typically requires an extension across the entire frontage of the property to the property line of the adjoining owner. In some cases, it will require dedication of an easement and a line extension across the property or extension across two or more sides of the developing property. Extensions will be consistent with and implement the City's adopted Water System Plan.

All new public domestic water mains shall be a minimum diameter of 8 inches, or larger diameters as specified in the City's Water System Plan, or larger as required to meet the fire flow demand of the development. Fire hydrants located within 50 feet of the water main shall be a minimum diameter of 6 inches. Hydrants beyond 50 feet of the water main shall be a minimum diameter of 8 inches, or larger as necessary to achieve required fire flows. Cover over new watermains shall be a minimum depth of 42 inches and a maximum of 72 inches.

If a fire hydrant is beyond 40-ft from the City main and not looped then a Reduced Pressure Double Check Valve Assembly (RPDCVA) shall be required. The RPDCVA and associated materials shall be approved by the City prior to installation.

New water mains shall be located in existing or proposed streets within City right-of-way and shall be offset from the street centerline, not located within a vehicle wheel path.

Larger public water mains may be required depending upon fire flow requirements as determined by the City and City Engineer.

All domestic water mains shall be looped, where possible, as determined by the City Engineer. Temporary dead-end mains over 300 feet in length will only be allowed where future water main looping via public right of way will be assured. No permanent dead-end water mains over 300 feet in length will be allowed to be part of the City of Umatilla's public water system.

Permanent dead-end water mains may become private water mains owned and maintained by the Developer. All dead-end water mains shall be isolated from the public water main with a RPDCVA and vault furnished and installed by the Developer in accordance with the City of Umatilla Cross-Connection Control Policy. All services must extend from a water main owned and operated by the City.

The Cross-Connection Control Policy requires all commercial/industrial properties to have a reduced pressure backflow assembly (RPBA) for premises isolation of the building water supply. Backflow prevention assemblies shall be installed at the water meter and shall be shown on the plans. Required backflow prevention assembly types shall be as specified to meet the City's Cross-Connection Control Policy. Yearly test reports shall be provided to the City's Water Quality Inspector. The backflow device shall be on the state approved list, available through the Oregon Health Authority.

All double detector check valve assemblies shall conform to City of Umatilla standards. Initial and annual testing will be required at the expense of the property owner.

Maximum valve spacing in public water mains will be 750 linear feet. Valves shall be installed on all but one of the legs of new water main intersections. Valve operating nut extensions approved by the City will be required on valves where the operating nut is deeper than 24-inches below finished grade. Valves 14-inches and smaller shall be gate valves. Valves larger than 14-inches shall be butterfly valves.

All new water main installations shall be satisfactorily tested per Section 01140.51 and 1140.52 prior to being placed into service including hydrostatic pressure and bacteriological testing, all at the expense of the Developer.

No granulated chlorine shall be allowed for disinfection of a City water main without prior City approval.

All new water service lines shall be a minimum of 1-inch, for 3/4- and 1-inch meters, and shall be a minimum of 2-inch, for 1 1/2- and 2-inch meters.

All new services 2-inches or smaller shall use a meter setter that is approved by the City of Umatilla. Meter setter shall have a lockable angle ball meter valve on the inlet. The outlet shall

have a cartridge and check valve. The top of the setter shall be 18-22-inches below finished grade with a pvc brace pipe installed to keep the setter plumb.

The Developer/Contractor is responsible for all service taps in new subdivisions. The Developer/Contractor shall furnish and install all water service components (except for the water meter 2-inches or smaller) from the water main to the property line including service saddle, corporation stop, service pipe, meter setter with meter stop and check valve, customer piping, and meter box, all at the Developer's expense. The Developer shall pay the City the cost for a 2-inch or smaller water meter to include material and installation. Only one meter shall be served from each main tap. The City of Umatilla will provide hot taps up to 2-inches in areas where new services are needed. Service taps over 2-inches shall be done at the expense of the Developer/Contractor's qualified person.

New water main connections to existing water mains shall be installed with cut-in tees/crosses, unless a hot tap is approved by the City Engineer. If the existing water main is less than 6-inch diameter, a cut-in tee shall be required, and a hot tap may be considered for approval. All 2-inch or smaller hot taps of water mains 12-inch and smaller shall be performed by the Developer/Contractor or a contractor approved by the City Engineer, using a full circle stainless steel sleeve with tapping gate valve. The contractor shall provide traffic control, excavate the connection location, provide adequate sloping/shoring, and install tapping sleeve and valve prior to City Crew arrival. All work (including City Crew tap) will be at the expense of the Developer.

Minimum 2-inch air and vacuum release valves shall be furnished and installed at high points in the water system.

Maximum spacing of fire hydrants shall be 300 feet and shall be located at intersections. Additional hydrants may be required to protect structures as determined by the Fire Chief and City Engineer. Additional fire hydrants required on a site may require a looped, on-site water main. Easements shall be provided for all on-site, public, looped water mains, in accordance with CHAPTER 1. Fire hydrants shall be located at the ends of curb returns or at property lines between lots, and not be located within driveways, driveway ramps, or handicap ramps and to the maximum extent feasible, should be located outside a pedestrian path of travel. Fire hydrants must be restrained from tee to hydrant assembly.

When additional fire hydrants are required or the required fire flow of a new site is greater than the existing fire flow capacity, the public water main shall be extended and looped around the site, reconnecting to the public distribution supply main, at the Developer's expense. Fire hydrants shall be located along the looped public water main as determined by the Fire Chief. The looped water main will remain public and will not require check valves. The looped water main shall be located within an easement centered on the water main, free of any other parallel-

aligned private utilities, see CHAPTER 1. All water main components shall be located within the easement including valves, hydrants, thrust blocks, fittings, etc. such that the City can maintain the public utility.

City-approved backflow prevention devices are required on all fire line connections to public water mains when the line is not required to be looped.

Where the water system pressures are outside of acceptable ranges as identified in the City's Water Master Plan, a pressure reducing valve (PRV) station may be required as determined by the City Engineer. The PRV station shall be designed by a Civil Engineer currently licensed by the State of Oregon and shall be submitted to the City for review. All costs for design, review, approval, procurement, installation, and construction shall be borne by the Developer, see PRV section below.

Water mains installed beneath railroad tracks, State highways, irrigation canals, building structures, etc. shall be encased in a continuous welded steel casing (or as approved by permitting agencies) and provided with casing spacers in accordance with Section 00406 of the Oregon Standard Specifications for Construction. . Casing spacers shall be galvanized, stainless steel or polyethylene sized for the type of pipe and casing size. Casing shall be sized to provide a minimum of 2-inch clear for the type of joint approved by the City Engineer. Requirements by other agencies involved in crossings shall supersede these Standards.

Water mains shall maintain a 10-foot horizontal and 18-inch vertical separation above non-potable pipelines (sanitary sewers, industrial wastewater, reclaimed water, irrigation pipelines, stormwater pipes, and other uses) in accordance with OAR 331-061-0050. Gas, power, telephone, and other dry utilities shall maintain a minimum 3-foot horizontal clearance from water mains.

The design of water mains and appurtenances is subject to review and approval consideration by the City of Umatilla Public Works Director and City Engineer. The Public Works Director may, at his discretion, adjust these Design and Construction Standards as necessary to facilitate installation of water lines and appurtenances for the health, safety, and protection of the general public.

New water systems shall be placed in service, including all successful testing, prior to placement of asphalt.

IRRIGATION SYSTEMS

Where the City of Umatilla Irrigation Water Utility is available and/or as determined by the City Engineer, new subdivisions and developments shall be served by a separate irrigation water

distribution system with an individual service for each lot. The irrigation system shall be designed by a professional engineer and constructed in accordance with applicable City of Umatilla Construction Standards. All new public irrigation mains shall be a minimum diameter of 8 inches, or larger diameters as required by the City of Umatilla. In the event irrigation water is not available in the vicinity of the subdivision, the irrigation system shall be tested, sealed, and buried with ends clearly marked to facilitate a connection when irrigation water is available. Refer to Section 1120 Irrigation Systems for material requirements.

Domestic water and non-potable irrigation services should be extended to opposite lot corners in new construction. Where it is impossible to install them in that manner, 10-feet of separation needs to be supplied between the service points (meter boxes).

PRESSURE REDUCING VALVE (PRV) STATIONS

The City's Water Master Plan define the minimum and maximum pressures admissible in the system. In locations not covered by the Plan, the City may determine a study is necessary to determine a development's impacts on the system, at the expense of the Developer. The topography of the service area dictates the division of the water system into different pressure zones. PRVs are needed where connections between different pressure zones are proposed or required for the extension of the water system. PRVs are deemed necessary when otherwise the potable water or irrigation water would be delivered at pressures non-compliant with the established threshold.

When a PRV is deemed necessary by the City, the Developer shall be responsible for providing a design in accordance with the City's Water Master Plan and City Standards. Said design will be reviewed by the Public Works/City Engineer as part of the development plan review process.

The PRV design and all associated flow calculations and thrust block/restraint calculations must be performed by a Professional Engineer licensed in the State of Oregon.

The PRV design must comply with the following criteria:

- All necessary calculations and drawings for any related design shall be submitted to the City for approval. Calculations of flow must be performed by the Developer's engineer based on the Peak Hourly Demand (PHD), plus provisions for required fire flow.

- Pressure zones must adhere to the provisions included in the Master Plan for the respective utility.

- All PRVs will be placed in vaults that are large enough to provide ample work space for field inspection and valve repair.

- Vaults shall be designed with a gravity drain or sump pump into an adjacent drainage structure, to prevent vault flooding.

- Pressure relief valves will be considered for closed pressure zones to prevent over pressurization if a PRV fails in the open position. A pressure relief valve can be incorporated into the PRV Package Station or can be design in stand-alone configuration. Pressure relief valves shall feature full flow piping to a turned down riser 18" to 36" above ground, for visible detection of relief flow. Relief flow shall be routed to a nearby retention basin of appropriate size.

- The pressure reducing valve shall be set to open at any pressure below its preset setpoint and to close at any pressure above an adjustable deadband, to maintain downstream pressure within 2.5 psi of the pressure setpoint. Downstream pressure control shall not be based on changing upstream pressures. Valve shall be provided with a valve position indicator assembly.

- The upstream pressure shall be sustained at a predetermined minimum, to be established by the City.

SPECIAL PROVISIONS FOR WATER SYSTEM IMPROVEMENTS

The following sections of the Oregon Standard Specifications for Construction have been amended or supplemented as described below and apply to the construction of public works water system improvements within the City of Umatilla.

Section 01120 – IRRIGATION SYSTEMS

01120.10 Materials

Supplement this section with the following:

Pipe for main line approved for use shall be as follows:

Pipe for Main Line:

All irrigation pipelines under roadways shall meet the requirements of Section 1140.10. Fittings shall be cast or ductile iron. All irrigation pipe shall be installed with a minimum cover of 30 inches, and pipe zone bedding and backfill per 1140.40.

Supplement this section with the following:

Meter Angle Valve: New meter angle valve shall have 1″ compression inlet x 1″ outlet with female iron pipe threads and padlock wings, Ford BA41-444W-NL or BA41-444W-Q-NL,
A.Y. McDonald 74606B-22 or 74606BQ, Mueller P24274N or B24274N.

Irrigation Service Box: New irrigation service box shall be Carson L-1220-12 (green) with T-Cover 1220-4.

Isolation Valve (3/4″ to 2″): New isolation valves shall be lead free curb stops. Approved valves shall be any of the following:

Ford:	*Mueller:*	*A.Y. McDonald*:
FIPxFIP	300 Ball Curb Stop	76101NL
B11-333-NL (3/4″)		
B11-44 4-NL (1″)		
B11-666-NL (1-1/2″)		
B11-777-NL (2″)		
CTSxPEP		
B46-333-NL (3/4″)		
B46-444-NL (1″)		
B46-666-NL (1-1/2″)		
B46-777-NL (2″)		

Backflow Assembly Isolation Valve Box: New valve box shall be Carson 708 TrussT (3″ to 4″) and Carson 910 Spec Grade (6″ and larger).

Irrigation Spigot: New spigot shall be a bronze, THD, NRS gate valve, NIBCO Class 125 T113.

Backflow Assembly Above Ground Enclosure: Enclosures shall be provided for freeze protection. Acceptable enclosures include Aquashield, Watts Safe-T-Cover, and Hot Box (fiberglass, stainless steel, ornamental rock, and ornamental stump).

Tracer Wire: Tracer wire shall be 12-gauge heavy insulated (60 mil) copper wire with UF insulation colored for the utility being installed. Direct bury splice kits shall be 3M DBY-6.

Detectable Marking Tape: Shall consist of inert polyethylene plastic that is impervious to all known alkalis, acids, chemical reagents, and solvents likely to be encountered in the soil, with a metallic foil core to provide the most positive detection and pipeline location.

The tape shall be color coded and shall be imprinted continuously over its entire length in permanent black ink. The message shall convey the type of line buried below and shall also have the word "Caution" prominently shown. Color coding of the tape shall be as follows:

Utility	Tape Color
Water	Blue
Sewer	Green
Electrical	Red
Gas/Oil	Yellow
Telephone/CATV	Orange
Irrigation	Purple

Section 01140 – POTABLE WATER PIPE AND FITTINGS

01140.10 Materials

Pipe for main line approved for use shall be as follows and conform to the Oregon Standard Specifications for Construction:

Ductile Iron Pipe

Polyvinyl Chloride (PVC) Pipe 4 Inches and Larger

Supplement this section with the following:

Ductile Iron Pipe: Ductile iron pipe shall conform to the requirements of Section 02470.20 of the Standard Specifications, except that it shall be Standard Thickness Class 52. Joints shall be rubber gasket, push-on type (Tyton Joint). Fittings shall be mechanical joint or flanged, as shown on the Plans, and shall conform to Section 02470.20 of the Oregon Standard Specifications for Construction and NSF 61.

01140.40 Trench Work

Supplement this section with the following:

The Contractor shall neatly sawcut all areas of existing pavement within the trench excavation area, then remove and haul all waste materials from the project and dispose of at an approved site provided by the Contractor. Should any undermining occur on adjacent pavement, the Contractor shall neatly cut the pavement six (6) inches beyond the undermined area.

All trench excavations shall have adequate safety systems for the trench excavation that meet all local and state code requirements. The Contractor shall be fully responsible for providing the necessary back sloping, cribbing, trench boxes, etc., as required to meet the specified safety requirements for the trench. When City crews will be making the main line taps or other work in the trench, the Contractor shall provide all trench safety measures, prior to City personnel entering the trench.

01140.44 Thrust Restraint

Supplement this section with the following:

Thrust blocks shall be formed and placed in conformance with the City of Umatilla Standard Details for the appropriate pipe size and fitting type.

Mechanically restrained pipe and fittings may be used in lieu of thrust blocking. The Engineer shall provide appropriate restraint calculations, indicating the length of pipe and fittings to be restrained for each particular diameter and type of fitting to be installed. Thrust restraint calculators such as those provided by Ductile Iron Pipe Research Association, EBAA Iron, or similar may be used to determine required restraint lengths.

01140.45 Marking Tape and Wire

Delete this section and replace it with the following:

Detectable marking tape and tracer wire shall be installed over all water lines, including service lines. The tape shall be placed approximately 2-feet above the top of the line and shall extend its full length. Care must be taken to ensure that the marking tape shall be continuous and unbroken during the backfill process. The tracer wire shall be fastened to the top of the pipe with cable ties or duct tape at 6-foot intervals and shall be routed up into valve boxes with adequate length for connection to location equipment.

01140.46 Blow-off Assemblies

Supplement this section with the following:

All permanent dead-end lines must end with a blow-off, unless there is a hydrant connection within the last 30 feet of the water main.

01140.47 Connections to Existing Mains

Supplement this section with the following:

Requests for water line shutdowns and water taps shall utilize the City of Umatilla Procedure for Scheduling Water Crews, Performing Taps, and Placing New Water Lines in Service. New water mains shall be tested, flushed, and disinfected per Section 01140, 01150, 01160, and 01170 with passing results, prior to making connection to existing main and being placed into operation.

No existing line valves shall be closed without permission by the City. In no case shall any existing water main valve be closed for a period of greater than eight (8) hours. Only City personnel or those authorized by the City may operate City valves.

The anticipated schedule for the connections shall be discussed and scheduled at the preconstruction conference and indicated on the weekly schedule. The City reserves the right to adjust the schedule of the connections, as required, subject to a minimum of 24-hour notice of schedule change to the Contractor. No connections will be scheduled for the first working day after a weekend or holiday.

01140.49 Backfilling

Supplement this section with the following:

Mechanical compaction shall be required for all trenches. The Developer/Contractor shall be responsible for scheduling and paying for all testing required.

The density of the compacted material shall be at least 98% of the maximum density as determined by ASTM D 698 Tests (Standard Proctor). Density tests shall be taken at various depths in the trench. All costs associated with testing shall be the responsibility of the Contractor. Placement of courses of aggregate shall not proceed until density requirements have been met.

The first 500 feet of trench backfill operations shall be considered a test section for the Contractor to demonstrate his backfilling and compaction techniques. The Contractor

shall notify the City at least 3 working days prior to beginning trench excavation and backfill operations. The Contractor shall arrange for in-place density tests to be taken on the completed test section in accordance with the above requirements. No further trenching will be allowed until the specified density is achieved in the test section. Passing in-place density tests in the test section will not relieve the Contractor from achieving the specified densities throughout the project.

At locations where paved streets, roadway shoulders, driveways, or sidewalks will be constructed or reconstructed over the trench, the backfill shall be spread and compacted in layers to achieve specified density requirements throughout the trench depth, by means and methods as proposed by the Contractor.

01140.51 Hydrostatic Testing

Delete this section and replace it with the following:

Water main appurtenances and service connections to the meter setter shall be tested in sections of convenient length under a hydrostatic pressure equal to 150-psi. Pumps, gauges, plugs, saddles, corporation stops, miscellaneous hose and piping, and measuring equipment necessary for performing the test shall be furnished and operated by the Contractor.

Sections to be tested shall normally be limited to 1,500 feet. The Engineer may require that the first section of pipe, not less than 1,000 feet in length, installed by each of the Contractor's crews, be tested in order to qualify the crew and the materials. Pipe laying shall not be continued more than an additional 1,000 feet until the first section has been tested successfully.

The pipeline shall be backfilled sufficiently to prevent movement of the pipe under pressure. Mechanical restraints and/or thrust blocks shall be in place and time allowed for the concrete to cure before testing. Where permanent blocking is not required, the Contractor shall furnish and install temporary blocking and remove it after testing.

The mains shall be filled with water and allowed to stand under pressure a sufficient length of time to allow the escape of air and allow the lining of the pipe to absorb water. The Contracting Agency will furnish at the developer's expense the water necessary to fill the pipelines for testing purposes at a time of day when sufficient quantities of water are available for normal system operation.

The test shall be accomplished by pumping the main up to the required pressure and stopping the pump and holding pressure for one (1) hour. During the test, the section being tested shall be observed to detect any visible leakage.

There shall not be a loss in pressure during the one-hour test period.

Pressure gauges used in the test shall be in good working condition and have a zero-pressure reading prior to use. Erroneous or damaged gauges may be rejected at the discretion of the Engineer and shall be replaced with new gauges at the Contractor's expense.

Tests shall be made with the hydrant auxiliary gate valves open and pressure against the hydrant valve. Each valve shall be tested by closing each in turn and relieving the pressure beyond. This test of the valve will be acceptable if there is no immediate loss of pressure on the gauge when the pressure comes against the valve being checked. The Contractor shall verify that the pressure differential across the valve does not exceed the rated working pressure of the valve.

Prior to calling out the Engineer to witness the pressure test, the Contractor shall have all equipment set up completely ready for operation and shall have successfully performed the test to ensure that the pipe is in satisfactory condition.

Defective materials or workmanship, discovered as a result of hydrostatic field test, shall be replaced for subsequent testing. Whenever it is necessary to replace defective material or correct the workmanship, the hydrostatic test shall be re-run until a satisfactory test is obtained.

Section 01150 – POTABLE WATER VALVES

01150.10 Materials

Supplement this section with the following:

Tapping Sleeve and Valve Assemblies: Tapping sleeves shall be full circle stainless steel with ductile iron flanged outlet, conforming to the latest AWWA Standard C223. Tapping gate valves shall meet the requirements for Gate Valves in Section 001150.10. The following stainless steel tapping sleeves are approved for use: Ford FAST style, Romac model SST, and Smith-Blair.

Valve Boxes Shall be two-piece adjustable, Olympic Foundry model 931 or approved equal.

Combination Air Release/Air Vacuum Valve: Valves shall meet the requirements of C512 and shall be APCO 140 Series, Val-Matic VM-200 Series, or approved equal.

01150.40 General

Supplement this section with the following:

Tapping Sleeve and Valve Assemblies: The Developer/Contractor will perform all taps for tapping sleeve and valve assemblies . City of Umatilla Public Works will perform taps up to 2-inch diameter. For taps greater than 2-inch diameter, the Contractor or Subcontractor completing the work shall have at least five (5) years' experience with a minimum of ten (10) water main taps of pipes with diameters equal to or larger than that specified. Contractor shall notify City at least 72 hours prior to proposed taps and provide work experience references if requested. Work to complete the tap shall not commence without City's written approval. If the Contractor or Subcontractor does not have sufficient experience in the sole opinion of the City, a qualified Subcontractor as approved by the City, shall be used to complete the tap at no cost to the City.

Valves: Upon completion of all work, the Developer/Contractor shall contact the City of Umatilla Public Works for opening water valves. Valves shall only be operated by City Public Works staff.

Valves shall not be installed in Sidewalks, Pedestrian Curb Ramps, Driveway Approaches or any other exposed concrete surface.

Valve Boxes: Valve boxes should be set to position during backfilling operations so they will be in a vertically centered alignment to the valve operating stem. The top of the box will be at final grade.

The Contractor shall adjust all water valve boxes to the final grade of the surrounding area including new concrete sidewalk, asphalt paving, gravel surfacing, or topsoil surfacing, in accordance with the details shown on the Drawings.

The Contractor shall keep the valve boxes free from debris caused by the construction activities. All valve boxes will be inspected during final walk-thru to verify that the valve box is plumb and that the valve wrench can be placed on the operating nut. Misaligned valve boxes shall be excavated, plumbed, and backfilled at the Contractor's expense.

Section 01160 – HYDRANTS AND APPURTANCES

01160.10 Materials

Supplement this section with the following:

All hydrants shall be dry-barrel, compression type, with a Main Valve Opening (MVO) of 5-1/4" and suitable for working pressures up to 150 psi meeting the requirements of C502. Hydrants shall have a 1-1/2" pentagon operating nut, opening left. All hydrants shall include a 5"x4-1/2" NH connector and cap, Storz HPHA50-45NH and HBC-50. Threads on all ports shall be National Standard Thread.

Approved manufacturers include Mueller (Centurion), Clow (Medallion), Kennedy and M&H.

01160.11 Setting Hydrants

Replace this section with the following:

The hydrant shoe shall be set to the correct elevation on a concrete block base, which has been placed on undisturbed earth. Around the base of the hydrant and weep hole, the Contractor shall place washed drain rock, to allow free drainage of the hydrant. The drain rock shall be completely surrounded with construction geotextile filter fabric.

The contractor shall set all hydrants plumb and nozzles parallel with, or at right angles to, the curb, with the pumper nozzle facing the curb. Hydrants shall be set so that the flange is 2"-8" above the back of curb, sidewalk, or finished grade to clear nuts and bolts. Hydrants shall be ordered with the bury depth required to meet the flange elevation requirements. The Contractor shall be responsible for verifying the hydrant flange elevations and no extensions will be allowed.

Fire hydrants shall be painted with two coats of high visibility yellow paint.

Fire hydrants shall be located 1-foot behind the back of sidewalk to the face of hydrant where the sidewalk is adjacent to the curb and 7-feet behind the back of curb where the sidewalk is not adjacent to the curb and outside of the sidewalk. Hydrants adjacent to roadside swales shall be located 1-foot behind the swale on the property line side. All hydrants shall be located within the City right of way.

No bends are allowed in fire hydrant runs. If a bend cannot be avoided, the elbow fittings shall be mechanically restrained with EBAA Megalugs or approved equal.

Hydrants installed outside of paved areas where there will not be maintained landscaping shall install a 4' x 4' concrete pad around the hydrant.

01160.41 Hydrant Laterals

Replace this section with the following:

Fire hydrants located within 50 feet of the water main shall be a minimum diameter of 6 inches. Hydrants beyond 50 feet of the water main shall be a minimum diameter of 8 inches, or larger as necessary to achieve required fire flows. Each hydrant lateral shall include an isolation valve at the water main connection point. The valve size shall equal the hydrant lateral diameter and shall be of the type specified in Section 02480. Where hydrant runs are in excess of 6 inches in diameter, an additional 6-inch auxiliary gate valve shall be installed just prior to the hydrant installation.

If a fire hydrant is beyond 40-ft from the City main and not looped then a Reduced Pressure Double Check Valve Assembly (RPDCVA) shall be required. The RPDCVA and associated materials shall be approved by the City prior to installation.

01160.42 Hydrant Restraints

Replace this section with the following:

All hydrants shall be securely connected to the water main as shown on the City's Standard Detail, and each joint shall be mechanically restrained.

01160.44 Hydrant Bollards

Replace this section with the following:

The City Engineer may determine that two (2) or four (4) 6-inch diameter Sch. 40 steel bollards shall be installed at a hydrant location. Hydrant bollards shall be painted the same color as the hydrants.

Section 01170 POTABLE WATER SERVICE CONNECTIONS, 2-INCH AND SMALLER

01170.00 Scope

Replace this section with the following:

All new water service lines shall be a minimum of 1-inch, for 3/4- and 1-inch meters, and shall be a minimum of 2-inch, for 1 1/2- and 2-inch meters, and shall conform to the City Standard Detail. The Developer/Contractor is responsible for all service taps in new subdivisions. The Developer/Contractor shall furnish and install all water service components (except for the water meter 2-inches or smaller) from the water main to the property line including service saddle, corporation stop, service pipe, meter setter with meter stop and check valve, customer piping, and meter box, all at the Developer's expense. The Developer shall pay the City the cost for a 2-inch or smaller water meter to include material and installation. Only one meter shall be served from each main tap. The City of Umatilla will provide hot taps up to 2-inches in areas where new services are needed. Service taps over 2-inches shall be done at the expense of the Developer/Contractor's qualified person.

01170.10 Materials

Supplement this section with the following:

All fittings shall be lead free.

Service Saddles: New service saddles less than 12" diameter shall meet the requirements of AWWA C800 and have CC threads. Approved manufacturers include Romac (202S, 101S), Mueller DS2S, McDonald (384x, 382x), and Smith-Blair (315, 317). New service saddles 12" and larger shall meet the requirements of AWWA C800 and have CC threads. Approved manufacturers include Romac (305, 306).

Corporation Stops: New 1" corporation stops shall be Ford FB1000, Mueller B-25008N, B-20013N, or McDonald 74701B. New 2" corporation stops shall be Ford FB400(CC), FB500(IP), Mueller B-2996N(CC), H-2969(IP), or McDonald 74701B .

Service Pipe: New service pipe shall be CTS Poly Pipe AWWA C901 SDR9 with 250 minimum psi rating.

Service Pipe Fittings: Fittings shall be compression type Ford C- 44, Mueller H-15403, and McDonald 4758-22. Grip fittings are not acceptable.

Locating Wire: Locate wire shall meet the requirements of Section 02470.60 and be continuous from the water main to the meter box. Locating wire shall be 12-gauge heavy

insulated (60 mil) copper wire with UF insulation colored for the utility being installed in accordance with Section 01140.45. Direct bury splice kits shall be 3M DBY-6.

Meter Setter: Required for all services 2-inches or smaller and as approved by the City Engineer.

Angle Meter Valve: New 1″ compression valve shall be Ford BA43, Mueller B-24258N, or McDonald 74602B. New 2″ threaded valves shall be Ford BFA13, Mueller B-24286N, or McDonald 74604B. All angle meter valves shall be quarter turn and shall be lockable.

Meter: New 3/4″ to 2″ meters shall meet the requirements of AWWA C700. Approved meters shall be any of the following: Badger (LP35, LP55, LP120), Neptune (T-10, Tru/Flo), and Sensus (SRII, SRH).

Meter Check Valve: New 1″ compression valve shall be Ford HA34, Mueller H-14269, or A.Y. McDonald 702-4H-54. New 1-1/2″ and 2″ threaded valves shall be Ford HFA31, Mueller H-14244, or A.Y. McDonald 712-7.

Thread Sealant: Thread sealant shall be used on all threaded pipe fittings. Approved manufacturers include Spears Blue 75, Whitlam Blue Magic, and Teflon Tape.

Meter Boxes (3/4″ to 2″ meters): New meter boxes shall be Raven RMB 1324-18, Carson HW Model 1324BCF-18, or approved equal with 1324R reader lid (3/4″ and 1″ meters) and Raven RMB 1730-18, Carson HW Model 1730BCF-18, or approved equal with 1730R reader lid (1-1/2″ and 2″ meters). Meter boxes set in or near the vehicular path shall have H-20 traffic rated lids.

Backflow Assembly Box (3/4″ to 2″): New assembly box shall be Carson 1220 and 1324 (3/4″ and 1″) and Carson 1730 (1-1/4″ to 2″), meeting inside dimension tolerances specified on Details.

Meter Vault (3″ to 8″ meters): New precast cement concrete vault shall be Oldcastle Precast or H2 Precast meeting inside dimension tolerances specified on Details and shall have diamond plate spring assisted cover with locking latch inside (332P for 2″ to 3″, 2-322P for 4″ to 6″, and 3-322P for 8″ to 12″, or H2 Precast equivalent).

Backflow Assembly Vault: New precast cement concrete vault shall be Oldcastle Precast or H2 Precast meeting inside dimension tolerances specified on Details, and shall have diamond plate spring assisted cover with locking latch inside (332P for 2″ to 3″, 2-322P for 4″ to 6″, and 3-322P for 8″ to 12″, or H2 Precast equivalent). Contractor/Developer

shall provide to the City Inspector any factory tools, keys, or wrenches required to open vault lid.

Vault Ladder: Ladders installed in vaults shall include a Bilco LadderUp safety post, model LU-2, LU-3, or LU-4.

Pipe Bedding and Backfill: Pipe bedding and select backfill shall be utilized for trench backfill as directed by the City in accordance with Section 00405.

01170.40 General

Supplement this section with the following:

The Contractor shall set the water meter box to the finished grade of the area, outside of the pedestrian path of travel. The Contractor will be required to reset the meter box if it is not at finished grade at the completion of the project. The completed water service shall be tested at system operating pressure by the Contractor and must show no signs of leakage.

The location of water services at the property line or easement line shall be marked per the Standard Detail. Fiberglass markers may be proposed for approval consideration by the City Engineer.

The fresh concrete curb above all water service lines shall be stamped on the curb face with a 2" high "W".

Service saddle shall not be placed within one (1) foot of pipe joint, couplings, or other clamps without approval from the Engineer.

No joints are allowed between the corporation stop and the angle meter stop.

CHAPTER 6 – SANITARY SEWER SYSTEM IMPROVEMENTS

GENERAL REQUIREMENTS FOR SANITARY SEWER SYSTEM IMPROVEMENTS

All extensions and additions to the City's sanitary sewer system shall conform to the Design and Construction Standards of the City of Umatilla, the Oregon Department of Environmental Quality, and designed by a Civil Engineer currently licensed by the State of Oregon.

All sanitary sewer improvements shall be designed in accordance with the Oregon Administrative Rules and Oregon Department of Environmental Quality requirements.

All new lots and developments shall be served by a public sanitary sewer line adjacent to the lot or development site.

Sewer lines shall be extended by the Developer to the point where the adjoining property owner's responsibility for further extension begins. This typically requires an extension across the entire frontage of the property to the property line of the adjoining owner. In some cases, it will require dedication of an easement and a line extension across the property or extension across two or more sides of the developing property. Extensions will be consistent with and implement the City's adopted Wastewater Facilities Plan, including alignments, sizes, and depths necessary to serve future areas within the Urban Growth Area (UGA) boundary.

Sewer lines shall be located in streets to serve abutting properties. Lines located in streets will be offset from the street centerline and not located within a vehicle wheel path. When necessary, sewer lines may be located within public easements, see CHAPTER 1. Sewer lines located in easements shall generally be located in the center of the easement, but may, with the approval of the City Engineer, be offset to accommodate the installation of other utilities or to satisfy special circumstances.

The minimum size for public sewer lines is eight (8) inches in diameter. The developer's sewer system must provide capacity for the proposed development but must also provide capacity for future extensions consistent with the Wastewater Facilities Plan. Cover over new sewer mains shall be a minimum depth of 42 inches.

Manholes shall be installed at intervals of no greater than 400 feet and at all vertical and horizontal angle points in the sewer main. Curved or deflected pipelines will not be permitted. Sewer lines shall be terminated with a manhole. In special circumstances, a flush-end (cleanout) may be installed on the end of a sewer main extension, provided the end is no further than 150 feet from the last manhole and the sewer main line and grade will permit further extension.

Sewer mains generally should not exceed a slope of 5%, unless site constraints require steeper slopes. Should the sewer main slope exceed 5%, the Developer's Engineer shall provide calculations to determine if energy dissipaters and/or pipe restraints are necessary. The City Engineer will make the final determination if dissipaters and restraints are required. Sewer mains with a slope of 20% or greater shall be secured with concrete anchors, with spacing requirements determined by the City Engineer.

All new sewer line and manhole installations shall be satisfactorily tested and inspected per Section 00445.72, 00445.73, 00445.74, and 00470.71 prior to being placed into service including low pressure air and deflection testing, and television inspection, all at the expense of the Developer.

Each building containing sanitary sewer facilities shall be served by a separate private side sewer line. Branched side sewers serving multiple buildings and properties shall not be permitted. A single side sewer serving multi-unit buildings is permitted.

Sewer services to residential single-family lots shall be 4-inch diameter, and commercial properties shall be a minimum of 6-inch diameter.

Side sewers services shall be installed in accordance with these Construction Standards and as shown on the City Standard Details.

Side sewers shall extend 10-feet beyond the right-of-way and the pipe end shall be capped and marked for future connection. Services shall be located a minimum of 10-feet from water services and on the low side of the lot and shall comply with the water and sewer separation requirements listed in the Oregon Administrative Rules.

Sewer lines shall be designed for gravity flow operation and in accordance with the Wastewater Facilities Plan.

Sewer force mains may be necessary in specific City locations as determined by the City Engineer. Lift stations and force mains shall be limited to those locations and circumstances where they are consistent with the Wastewater Facilities Plan and are the only viable solution to serve the proposed development and other properties in the vicinity. Lift stations and force mains shall be designed by a Professional Civil Engineer licensed in the State of Oregon in accordance with the direction and requirements given by the City Engineer, for review and approval by the City of Umatilla Public Works Director and City Engineer. Hydraulic analysis including modeling shall be performed by the Developer's Civil Engineer as determined necessary by the City Engineer.

The design of sewer lines and appurtenances is subject to review and approval by the City Engineer. The City Engineer may, at his discretion, adjust these Design and Construction Standards as necessary to facilitate installation of sewer lines and appurtenances for the health, safety, and protection of the general public.

SPECIAL PROVISIONS FOR SANITARY SEWER SYSTEM IMPROVEMENTS

The following sections of the Oregon Standard Specifications for Construction have been amended or supplemented as described below and apply to the construction of public works sewer system improvements within the City of Umatilla.

Section 00415 - VIDEO PIPE INSPECTION

00415.40 (f) Recording Format and Labeling

Supplement this section with the following:

All recordings shall be in color and in DVD format, playable on standard DVD players. Television inspection shall begin at the downstream manhole and end at the next upstream manhole. The camera speed shall not exceed one-half (1/2) foot per second. A pivot head camera shall be used with detailed inspection of all laterals showing the entire lateral with a 360-degree pan around the opening. Panning of each lateral shall be a minimum of 15 seconds.

The Contractor shall add colored dye that contrasts with the pipe color and clean water to the cleaned sewer line before Television inspection. The recording shall be free from static and a minimum distance of 10 feet shall be clearly visible in front of the camera.

All recordings shall show on the screen the correct time and date of the inspection, the name of the camera operator, the manhole numbers being inspected, an accurate footage count, and all lateral locations using a 12-hour clock position.

All inspections shall be performed by Pipeline Assessment and Certification Program (PACP) trained personnel. The Contractor shall provide a copy of the inspection, with all appurtenant written logs, within 24 hours of the inspection.

Section 00445 - SANITARY, STORM, CULVERT, SIPHON, AND IRRIGATION PIPE

00445.03 Size Determination

Supplement this section with the following:

Sanitary sewer mains shall be at least 8" in diameter. All dead-end runs longer than 200 feet shall terminate in a sanitary sewer manhole. Dead-end runs less than 200 feet long may terminate with a clean out.

00445.11 Materials

Supplement this section with the following:

Pipe approved for use shall be as follows:

PVC Sanitary Sewer Pipe (Gravity): Polyvinyl Chloride Pipe with flexible gasketed joints (Ring-Tite) shall conform to the requirements of Section 02415.50 of the Standard Specifications (ASTM D3034, SDR 35 for pipe sizes up to 15 inches in diameter, and SDR 26 for all sewer pipe with any portion of the sewer main greater than 12 feet of cover). When restrained pipe is required, Certa-Lok restraints or approved equal shall be used.

PVC fittings for PVC sewer pipe such as tees, wyes, elbows, plugs, caps, etc., shall be flexible gasket joint fittings acceptable for use and connection to PVC sewer pipe.

Transition Coupling: Couplings shall be longitudinally bolted with gasketed joints. Approved manufacturers include Romac, Dresser, Rockwell, Ford, and Smith-Blair.

Supplement this section with the following:

Saddles: Side sewer saddles shall be Romac CB or approved equal with a 3-1/2" stainless steel single strap. Saddles are limited to side sewer connections on existing sewer mains and shall have prior approval by City Engineer. CDF encasement shall be installed around tapping saddle and existing sewer main, such that all exposed sections of the sewer main are bedded full depth with CDF to minimize settling. Tapping sleeves for deep sewer service (greater than 12 feet) shall provide a flange for connection. Tapping Sleeves: Tapping sleeves shall be full circle stainless steel with ductile iron flanged outlet, conforming to the latest AWWA Standard C223. The following stainless-steel tapping sleeves are approved for use in deep side sewer applications: Ford FAST style, Romac model SST, and Smith- Blair. Contractors will be responsible for all sewer taps.

00445.40 General

Supplement this section with the following:

When connecting to an existing sewer, the downstream system shall be protected from construction debris by placing a 90 degree, SRECO, UEMSI or equal "stove pipe" sand trap, the same size as the sewer main line, in the first existing manhole downstream of the connection. It shall be the Contractor's responsibility to maintain this trap until the new system is placed in service and then to remove it. Any construction debris, excavation or backfill material which enters the existing downstream system shall be removed. When the first manhole is set, the outlet shall be plugged until the entire system is accepted by the Engineer.

00445.40 (f) Installation of Sanitary Sewer Service Tees and Wyes

Supplement this section with the following:

Side sewers shall be a minimum of four (4) inches in diameter. Larger sizes, if required, will be approved by the City Engineer on a case-by-case basis.

The fresh concrete curb above all side sewer laterals shall be stamped on the curb face with a 2" high "S".

Deep side sewer outlets shall be installed consistent with Standard Detail SS-6.

00445.40 (f) Installation of Sanitary Sewer Service Tees and Wyes

Supplement this section with the following:

The location of side sewer at the property line shall be marked per the Standard Detail. Fiberglass markers may be proposed for approval consideration by the City Engineer.

00445.92 Sewer Force Mains (New Section)

The following new section shall be added to the Standard Specifications:

00445.92 (a) Description

This work shall consist of constructing sewer force mains in accordance with the Plans and Standard Specifications.

00445.92 (b) Materials

Materials shall meet the requirements of Section 02470 of the Standard Specifications except as follows:

Pipe for Main Line:

Polyvinyl Chloride (PVC) Pressure Pipe (4 inches and over): Polyvinyl Chloride (PVC) pipe shall conform to the requirements of Section 02470.40 (a) of the Standard Specifications. Joints outside of casing shall be rubber gasket push-on type with thickened bell. Joints within casing shall be restrained using mechanical restraints, Field Lok gaskets, or approved equal.

Polyvinyl Chloride (PVC) Pressure Pipe: PVC pipe (over 12-inch diameter) shall conform to the requirements of AWWA C 905 DR 25. Fittings shall be mechanical joint and/or flanged in accordance with the Plans and Section 0247.20 (b) of the Standard Specifications.

Ductile Iron Pipe: Ductile iron pipe shall conform to the requirements of Section 0247.20 of the Standard Specifications and shall be epoxy lined.

High Density Polyethylene Pipe (HDPE): HDPE pipe shall by extra high molecular weight, high density ethylene/hexane copolymer, PE 4710 polyethylene resin. The Standard Dimension Ratio shall be SDR 13.5 for pipe sizes 12-inch diameter and smaller.

Fittings for Main Lines:

Connection Couplings: Couplings for Ductile Iron or PVC pipe, either transition or straight couplings, shall be compression type flexible couplings conforming to Section 02475.60 of the Standard Specifications.

Trench Excavation, Bedding, and Backfill:

See Section 00405.01 of these Specifications.

00445.92 (c) Pipe Installation

Sewer force main installation shall conform to the requirements of Section 00405 of the Standard Specifications or as modified by these Special Provisions.

00445.92(d) Hydrostatic Pressure Test

Testing shall be consistent with the water main hydrostatic pressure test standards and special provisions of Section 01140.51.

Section 00470 - MANHOLES, CATCH BASINS, AND INLETS

00470.11 Materials

Supplement this section with the following:

Manholes: Sanitary sewer manholes shall be constructed of 48-inch or larger diameter reinforced precast concrete manhole sections in conformance with the requirements of this Section. The base and first barrel section shall be precast monolithically with preformed channels. Manholes shall have a minimum depth of six (6) feet and include an eccentric cone section with 24" opening.

A-Lok boot connectors or approved equal shall be provided for all inlets and outlets.

Joints in the manhole sections shall be watertight complying with ASTM C443 (confined groove joint) or ASTM C990 (tongue and groove joint).

Adjustment Rings: Manhole adjustment rings shall be precast concrete.

Frames and Covers: Frames and covers shall be class 30 cast iron meeting the requirements of ASTM A48. 24" round covers shall read "SEWER" and "CITY OF UMATILLA" embossed in top (2" raised letters), cover weight 150 lbs, frame weight 185 lbs. Approved manufacturers include East Jordan Iron Works (3705Z), D&L Foundry, Neenah Foundry, and Olympic Foundry. When required by the City, locking covers shall be provided as manufactured by East Jordan Iron Works (3704C) and D&L Foundry.

Mortar/Grout: Approved manufacturers include American All Patch 20, Jet Set Complete Repair, and Target expanding non-shrink.

00470.40 General

Supplement this section with the following:

The design and construction of all manholes shall provide for a 0.10-foot vertical drop through the manhole per the Oregon Administrative Rules.

00470.48 Adjusting Manholes and Catch Basins to Grade (New)

The following new section shall be added to the standard specifications:

Manholes, valve boxes, catch basins, and similar utility appurtenances and structures shall not be adjusted until the pavement is completed, at which time the center of each structure shall be relocated from references previously established by the Contractor. All existing manhole castings shall be replaced with new castings at time of adjustment.

The asphalt concrete pavement shall be cut and removed to a neat circle, the diameter as specified on the Standard Details. The frame shall be placed on cement concrete blocks or adjustment rings and brought up to the desired grade. The base materials shall be removed and Class 3000 cement concrete shall be placed to the depth specified on the Standard Detail.

On the following day, a tack coat of asphalt shall be applied to the concrete, the edges of the asphalt concrete pavement, and the outer edge of the casting. Asphalt concrete shall then be placed and compacted with hand tampers and a patching roller.

The completed patch shall match the existing paved surface for texture, density, and uniformity of grade. The joint between the asphalt patch and the existing pavement shall then be sealed with emulsified asphalt and shall be immediately covered with dry paving sand before the tack has broken.

Utility appurtenances outside paved areas shall be adjusted to match the finish grade of the area surrounding the structure. The utility cover shall be cleaned of all concrete prior to acceptance.

GENERAL REQUIREMENTS FOR SANITARY SEWER LIFT STATIONS

See separate documents for sanitary sewer lift station general requirements**.**

CHAPTER 7 - STORMWATER IMPROVEMENTS

GENERAL REQUIREMENTS FOR STORMWATER IMPROVEMENTS

All extensions and additions to the City of Umatilla's storm sewer (storm drain) system shall conform to the Design and Construction Standards of the City of Umatilla, Oregon DEQ, Oregon DOT Hydraulics Manual, and designed by a Civil Engineer currently licensed by the State of Oregon. Private systems, where required by applicable provisions of the Umatilla Municipal Code, shall also comply with these requirements.

All stormwater and drainage improvements shall be planned, designed, permitted, constructed and maintained in accordance with the requirements of the Oregon DEQ.

All new storm drainage facilities, public or private, shall be designed by a Professional Engineer licensed in the State of Oregon. Complete stormwater runoff and drainage facilities sizing calculations shall be submitted to the Engineering Division for review and comment. Storm sewer facilities and pipelines shall be designed to meet a minimum 25-year storm criteria, and both the 24-hour and short-duration storms shall be considered in the design.

All storm runoff occurring on all new lots and developments (private property) shall be retained and disposed of on-site. No private storm runoff will be permitted to enter public right-of-way or the public storm drainage system. The property owner shall maintain all stormwater Best Management Practices (BMPs) that are installed on private property.

Where existing stormwater from adjacent properties enters the proposed site, the Developer shall be responsible for including the additional stormwater in the proposed system including retention and treatment as applicable.

Storm runoff for new public streets shall be designed and constructed as required to the point where the adjoining property owner's responsibility for further extension begins. This typically requires an extension across the entire frontage of the property to the property line of the adjoining owner.

All storm sewer designs for new public streets shall be based upon an engineering analysis by the Developer's Consultant that considers total drainage areas, runoff rates, pipe and inlet capacities, treatment capacity, and any other factors pertinent to the design.

All illicit discharges as defined by Oregon DEQ are not permitted to enter any storm sewer system.

All subsurface infiltration facilities used for the treatment and disposal of stormwater shall meet the requirements of Oregon DEQ Ecology Underground Injection Control (UIC) program. Developer/Applicant must register UIC wells with DEQ in the applicant's name. The developer/applicant shall only submit the latest approved City of Umatilla standards to DEQ. Attempts to gain approval for non-compliant infrastructure will result in the developer/applicant resubmitting the approved facilities at their expense and may result in delays. Following construction completion and at the time of public improvements certification, the developer/applicant shall process an ownership transfer request with DEQ, to transition UIC ownership to the City of Umatilla.

Inlet spacing shall be designed in accordance with the ODOT Hydraulics Manual. Generally, inlet spacing shall not exceed 300 feet. There shall be a manhole or catch basin installed at the intersection of two collector storm sewers. A collector storm sewer is a sewer servicing more than one catch basin. Stormwater flow shall be kept in the gutter and shall flow across intersections. Catch basin "bubble up" installations will not be permitted.

Catch basins and inlets shall be located at the ends of curb returns or at property lines between lots. Catch basins and inlets shall not be located within driveways, driveway transitions, or pedestrian ramps.

All public stormwater pipes or culverts shall be a minimum of 12 inches in diameter. Pipes shall have a minimum slope of 0.5% and be designed with a minimum velocity of 2-feet per second. Pipes shall be sized so that they do not surcharge under design storm conditions.
Manholes shall be installed at all vertical and horizontal angle points in the stormwater pipes, and at intervals of no greater than 400 feet. Curved or deflected pipelines will not be permitted. All stormwater manholes with solid lids shall have a channeled base and all catch basin manholes with grated lids shall have a sump.

A Storm Water Site Plan is required for any project.

The applicant's project may require coverage under the Oregon DEQ 1200-C-Construction General Permit (CGP) for construction projects. The Developer shall be responsible for compliance with the DEQ stormwater permit conditions and shall provide the City with a copy of the 1200-C CGP as applicable.

A temporary erosion and sedimentation control (TESC) plan shall be included with all plan submittals and should show how existing storm systems and adjacent properties will be protected from storm runoff.

For commercial and industrial sites, the Developer's Consultant shall provide both the total square footage of the entire property under review, and the total square footage of all

impervious surfaces, including but not limited to; the proposed building, any concrete or asphalt paving, sidewalk, and roof surface, etc. Information shall be shown in a table on the cover sheet, or on the site plan sheet. This information is required of all new commercial development (or of any structure undergoing modification or addition).

DESIGN CRITERIA

Public Right-Of-Ways: 25-YR/24-HR Storm

Detention facilities:

- Storage volume of stormwater detention facility: 25-YR/24-HR Storm

Site:

- Storage volume of the site without any discharge to public rights-of-way: 100-YR/24-HR Storm

DESIGN STORMS

Design storms are used to establish the amount of precipitation to be used in calculating the runoff from a parcel or basin. Based on rainfall records and methods outlined in the Oregon DOT Hydraulics Manual, the storm events described below are applicable.

25-Year, 3-Hour Storm (Short-Duration Storm) – 0.92 inches of precipitation. This short-duration storm has a 25-year return frequency, or a 4 percent chance of occurring in any one year. This unique storm is representative of the summer thunderstorm where a significant amount of rainfall occurs over a 3-hour period and should generally be used for design of flow-based stormwater BMPs and pipe sizing.

25-Year, 24-Hour Storm (SCS Type IA Storm) – 1.6 inches of precipitation (uses 25-year, 24-hour storm intensity). This storm has a 25-year return frequency, or a 4 percent chance of occurring in any one year. Volume-based BMPs should generally be designed for this SCS Type IA storm. The intensity of this storm is lower since the rainfall occurs more slowly over an extended time within the 72-hour period. Therefore, the runoff rate is lower, but the volume is greater than the 3-hour storm.

The 25-Year design storm warranting the largest storm sewer facility size shall be the controlling storm.

100-Year, 24-Hour storm (SCS type A Storm) – 2.0 inches of precipitation.

HYDROLOGIC ANALYSIS

Hydrologic analysis determines the amount of runoff from a given storm for a given drainage area. Available methods range from simple calculations such as the Rational Method to complex computer models, requiring significant data input and knowledge of hydrologic effects.

The following hydrographic methods are considered acceptable for the watersheds within Umatilla and its urban growth area.

- The Santa Barbara Urban Hydrograph (SBUH) method may be used for all analyses regardless of the size of the drainage area. Other computer models may also be used with prior approval by the City.

- For drainage areas less than or equal to 20 acres, the rational formula and modified rational method, as described in Oregon DOT hydraulics manual, may be used for flow-rate-based applications. Inputs shall be as described in those publications, or other engineering texts. The SCS Unit Hydrograph Method may also be used.

- For drainage areas greater than 20 acres, and when it is necessary to route flows through detention facilities, the SCS Unit Hydrograph Method may be used.

The SBUH method uses a hyetograph to depict the intensity (amount) of rainfall versus time. A hyetograph may also be required for routing design storms through some BMPs. Design storm hyetographs applicable to Umatilla stormwater facilities are as follows:

- Volume-Based BMPs – SCS Type IA Storm with a 25-year OR 100-YR return frequency. Storm intensity is based on the 25-year, 24-hour storm event.

- Flow-Rate-Based BMPs – 3-hour short-duration storm with a 25-year return frequency.

FLOW CONTROL

The criteria listed below shall apply to control stormwater runoff flow and the designated design storms shall apply:

- Flow-rate-based stormwater BMPs such as storm sewer facilities and pipelines shall be designed to carry at a minimum the 25-year, 3-hour short-duration design storm (0.92 inches of precipitation). Depending on the size of the basin, time of concentration and infiltration rates, some infiltration facilities shall be designed using the 25-year, 24-hour storm (1.6 inches of precipitation, SCS Type

IA). The 25-year design storm warranting the largest storm sewer facility size shall be the controlling storm. At the City's discretion, if the facilities are critical to public health and safety, or significant property damage could occur, they shall be designed to successfully pass the 50-year or 100-year storm. Storm runoff from any new construction will not be permitted to enter the City's existing storm sewer pipelines.

- Volume-based stormwater BMPs such as retention and detention basins shall be designed based on the 25-year, 24-hour storm (1.6 inches of precipitation, SCS Type IA). A secondary outlet or emergency spillway shall be provided to pass the 100-year, 24-hour storm (2.0 inches of precipitation, SCS Type II) without damage to the facility. If there is no downstream discharge available, then site shall be able to retain a 100-Y/24-HR storm on-site.

SPECIAL PROVISIONS FOR STORMWATER IMPROVEMENTS

The following sections of the Oregon Standard Specifications for Construction have been amended or supplemented as described below and apply to the construction of public works storm sewer or drainage improvements within the City of Umatilla.

Section 00445 – SANITARY, STORM, CULVERT, SIPHON, AND IRRIGATION PIPE

00445.01 Definition and Descriptive Terms

Supplement this section with the following:

The term "storm drain(s)" shall mean the same as storm sewer(s).

00445.11 Materials

Supplement this section with the following:

The storm sewer (drain) pipe approved for use shall be as follows:

STORM DRAIN PIPE

Solid Wall PVC Storm Sewer Pipe 4"-15" PVC, ASTM D3034-SDR35
18"-27" PVC, ASTM F679

PVC Storm Sewer Pipe shall have Ring-Tite joints.

Where specified on the Plans, storm drain pipe shall be PVC pressure pipe conforming to the requirements of Section 02470.40 (a) and Ductile Iron conforming to the requirements of Section 02470.40 (b).

UNDERDRAIN INFILTRATION SYSTEM MATERIALS

Pipe: Perforated Corrugated Polyethylene Underdrain pipe, couplings, and fittings shall comply with all the requirements of Section 02415.10 of the Standard Specifications.

Drain Rock: Drain rock for use as backfill for the perforated underdrain pipe in the infiltration trench system shall be clean coarse aggregate conforming to the requirements of Granular Drain Backfill Material, as specified in Section)00430.11 of the Standard Specifications.

Construction Geotextile: Geotextile fabric for underground infiltration systems shall be non-woven fiber pore size 0-13mm, maximum water permeability 0.05 cm/sec, minimum grab strength 100 lbs, minimum fabric toughness 10,000 lbs, and meeting the requirements of ASTM D1682.

Culvert pipe approved for use on a City project shall be as follows:

Corrugated Aluminum Alloy Pipe: Aluminum Pipe shall meet the requirements of Section 02420.40 of the Standard Specifications.

Corrugated Steel Pipe and Pipe Arches: Steel Pipe shall meet the requirements of Section 02420.10 of the Standard Specifications.

Corrugated Polyethylene Pipe: Corrugated Polyethylene (CPE) pipe, couplings, and fittings shall meet the requirements of Section 02415.10 of the Standard Specifications.

00445.70 (c) Cleaning and Testing (New)

The following new section shall be added to the Standard Specifications:

All storm piping, with the exception of infiltration trench perforated pipe, shall have television inspection. Cost of television inspection shall be included in the pipe installation cost.

All recordings shall be in color and in DVD format, playable on standard DVD players. Television inspection shall begin at the downstream structure and end at the next upstream structure. The camera speed shall not exceed one-half (1/2) foot per second. A pivot head camera shall be used with detailed inspection of all laterals showing the entire lateral with a 360-degree pan around the opening. Panning of each lateral shall be a minimum of 15 seconds.

The Contractor shall add colored dye that contrasts with the pipe color and clean water to the cleaned storm line before television inspection. The recording shall be free from static and a minimum distance of 10 feet shall be clearly visible in front of the camera.

All recordings shall show on the screen the correct time and date of the inspection, the name of the camera operator, the manhole numbers being inspected, an accurate footage count, and all lateral locations using a 12 hour clock position.

All inspections shall be performed by Pipeline Assessment and Certification Program (PACP) trained personnel. The Contractor shall provide a copy of the inspection, with all appurtenant written logs, within 24 hours of the inspection.

Section 00470 - MANHOLES, CATCH BASINS, AND INLETS

00470.10 Materials

Supplement this section with the following:

Catch Basin Frames and Covers: Frames and covers shall be class 30 cast iron meeting the requirements of ASTM A48. Covers shall read "STORM" and "CITY OF UMATILLA" embossed in top (2" raised letters). Approved manufacturers include East Jordan Iron Works or approved equal.

Catch Basin Oil/Water Separators: Oil/Water separators shall be installed in catch basins upstream of infiltration trenches. Approved manufacturers include Raven Products OWS-LP-4-15 BMP 12 R or Ground Water Rescue, Inc. "The Eliminator" or approved equal.

00470.48 Adjusting Manholes and Catch Basins to Grade (New)

The following new section shall be added to the Standard Specifications:

Manholes, valve boxes, catch basins, and similar utility appurtenances and structures shall not be adjusted until the pavement is completed, at which time the center of each structure shall be relocated from references previously established by the Contractor. All existing manhole castings shall be replaced with new castings at time of adjustment.

The asphalt concrete pavement shall be cut and removed to a neat circle, the diameter as specified on the Standard Details. The frame shall be placed on cement concrete blocks or adjustment rings and brought up to the desired grade. The base materials shall be removed, and Class 3000 cement concrete shall be placed to the depth specified on the Standard Detail.

On the following day, a tack coat of asphalt shall be applied to the concrete, the edges of the asphalt concrete pavement, and the outer edge of the casting. Asphalt concrete shall then be placed and compacted with hand tampers and a patching roller.

The completed patch shall match the existing paved surface for texture, density, and uniformity of grade. The joint between the asphalt patch and the existing pavement shall then be sealed with emulsified asphalt and shall be immediately covered with dry paving sand before the tack has broken.

Utility appurtenances outside paved areas shall be adjusted to match the finish grade of the area surrounding the structure. The utility cover shall be cleaned of all concrete prior to acceptance.

CHAPTER 8 - STREET IMPROVEMENTS

GENERAL REQUIREMENTS FOR STREET IMPROVEMENTS

All new street design and construction must conform to these Design and Construction Standards of the City of Umatilla, the Manual on Uniform Traffic Control Devices, the AASHTO Green Book, Umatilla Municipal Code, and the latest edition of the Oregon Standard Specifications for Construction.

STREET REQUIREMENTS

Arterial streets serve as the high-volume corridors that connect the major traffic generators and shall be designed to meet the minimum right-of-way and roadway dimensions as shown on the City Standard Details. Face of curb radii at intersections shall be a minimum of fifty (50) feet, or as approved by the City Engineer. Arterial streets shall be designed for a WB-62 vehicle and HS-25 loadings.

Collector streets shall be designed to meet the minimum right-of-way and roadway dimensions as shown on the City Standard Details. Face of curb radii at intersections shall be a minimum of thirty-five (35) feet, or as approved by the City Engineer. Collector streets shall be designed for a WB-62 vehicle and HS-25 loadings.

Local Access (Residential) streets shall be designed to meet the minimum right-of-way and roadway dimensions as shown on the City Standard Details. Face of curb radii at intersections shall be a minimum of twenty-five (25) feet, or as approved by the City Engineer. Residential streets shall be designed for a fire truck and HS-20 loadings.

The street geometry including horizontal and vertical alignments shall be designed to meet minimum standards for applicable design speeds as presented in the Policy on Geometric Design of Highways and Streets (Green Book) published by the American Association of State Highway and Transportation Officials, or as approved by the City Engineer.

The maximum length of a cul-de-sac street shall be 600 feet measured along the street centerline from the nearest street intersection to the throat of the cul-de-sac. Where it is not feasible to construct a cul-de-sac turnaround, the City may allow the use of an “L” or “Hammerhead” turnaround upon approval by the City Engineer and Fire Department. The cul-de-sac shall have a minimum right-of-way radius of 55 feet and a minimum driving radius of 50 feet, which may include depressed curb and six-inch thick concrete sidewalk.

A subdivision of 30 or more lots shall have two or more access points consistent with the International Fire Code. All street intersection angles shall not be less than 80 degrees, including private roads. Offset street intersections shall not be less than 200 feet for Arterial and Collector streets and 100 feet for Local Access streets. A tangent at least 200 feet long shall be introduced between reverse curves on Collectors and Arterials. Distance separation from intersections shall be on a case by case basis and determined and approved by the City Engineer.

Street grades shall be kept to a maximum of six (6) percent for Arterials, eight (8) percent for Collectors, and ten (10) percent for Local Access streets, unless otherwise approved by the City Engineer. The minimum grade for all streets shall be five-tenths (0.5) percent. Vertical curves shall be designed when the profile point of intersection grade difference is greater than one (1) percent. AASHTO requirements for sight-distance shall apply.

Cement concrete barrier curb and gutter and sidewalks shall be installed along both sides of all new streets, or as approved by the City Engineer. Sidewalk widths shall be as shown on the City Standard details. Pedestrian ramps shall be designed to City Standard Details and shall meet ADA requirements. Crosswalks between pedestrian ramps shall be designed meet ADA requirements and comply with the Oregon Standard Drawings.

Driveways shall be located on the lowest classification of roadway abutting the development. Driveway widths and locations are limited to one per lot or as approved by the City Engineer. A "Corner" lot driveway shall be located as far as possible from the street intersection. Driveway widths shall be as specified on the City Standard Details.

The sight distance triangle clear view shall remain clear of anything erected, placed, planted, or allowed to grow in such a manner as to materially impede vision between the heights of 2.5' and 10' above the intersection centerline elevation. At the discretion of the City Engineer, City infrastructure may be located within the clear view including but not limited to regulatory signage, illumination, and utility poles.

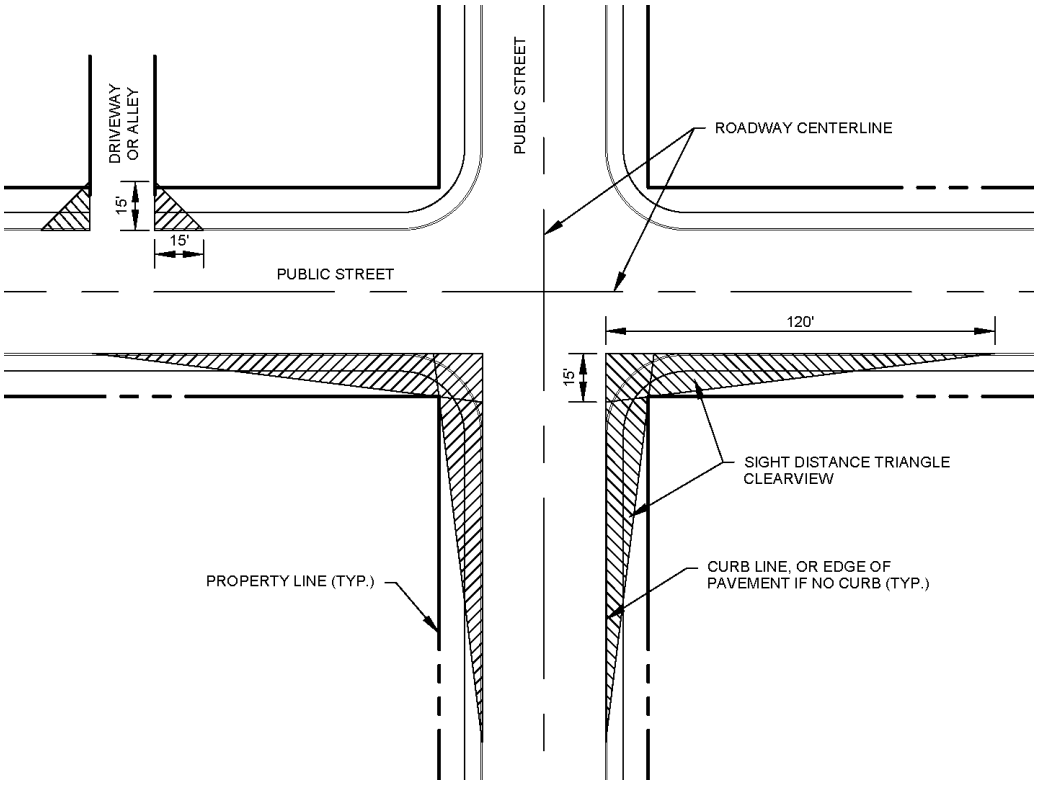


Figure 8.1 Sight Distance Triangle Clearview

Street lights shall be installed in accordance with City of Umatilla requirements. Typical street light locations include intersections, outside of curves, and along straight roadway segments. Actual locations shall be approved by the City. In all new developments, monuments with cover caps and cases shall be installed at the centerline of street intersections, angle point and points of curves, and at other locations as determined by the City Engineer.

Traffic signs, posts, sleeves, pavement markings, and channelization devices shall be provided and installed by the developer in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD) and City Design and Construction Standards. Center line markings shall be installed on all paved arterials and collectors, and any lower classified roadways having an ADT of 6,000 vehicles per day or greater.

Fencing, transformers, pedestals, and other above ground utilities shall not inhibit intersection sight triangles or access to any City utility.

The City Fire Chief may require an emergency vehicle access in addition to other access points. If required, the access shall be designed to meet the standards as approved by the Fire Chief.

CONCRETE REPAIR REQUIREMENTS

1. Concrete curbs and walks which are defective from cracking, displacement, spalling or excess surface cracking shall be repaired by removing and replacing the defective portions.
2. Surface chips in curbs bay be repaired aby an epoxy method which results in a hardened surface and neat repair. Surface texture and color must match adjacent concrete. Epoxy adhesive shall be an approved two-park epoxy bonding compound. Surfaces shall be thoroughly cleaned prior to application of the epoxy. Mortar shall have curing compound applied. Surface patching of sidewalk will not be allowed.
3. When defective portions of curbs or walks are removed, they shall be removed in segments between score marks and/or deep joints. Replacement concrete shall be formed and finished to the same standard required for new work. The edge of existing asphalt paving will not be used as a curb form unless approved by the City Engineer. When concrete being replaced is not poured monolithic, #3 rebar 12-inches long shall be placed at 2-ft 0-inches on center a minimum of 3-inches into existing concrete. Epoxy grout if drilled into existing concrete.
4. The defective portions of driveway approaches shall be removed by sawing out along scores or joints and replacing.
5. Cracking of curbs, walks and driveway aprons will require removal and replacement when the following situations occur:
   - When an individual crack is 3/32 of an inch wide or wider (the approximate width of a new 5 cent piece);
   - When two or more cracks of any width occur between scores and/or expansion joints;
   - When three or more chips occur in an 8-ft length of curb;
   - Any chip in sidewalk.
6. Use #3 rebar, 12-inches long, to dowel new concrete to existing concrete.
7. Do not dowel private improvements to public improvements.
8. When replacing curb and gutter, a 12-inch wide, 6-inch minimum thick AC deep lift patch (or match existing AC, whichever is greater) is required.
9. All concrete shall be 6-sack -lb/cy (3-inch max. slump) per city specifications unless otherwise noted on the plans.

ILLUMINATION REQUIREMENTS

Illumination may include roadways within a development and/or illumination as required as part of development frontage improvements. Existing lighting on public rights of way that does not currently meet these standards is required to be upgraded at the Developer's expense including relocation as applicable, in accordance to City Standards. The owner/developer is solely responsible for the design and installation of all lighting infrastructure required for said development.

Lighting analysis utilizing AGI software shall be completed by the Developer's Consultant for all new lighting installations or as deemed necessary by City staff. The analysis shall conform to IES RP-8-00 illuminance requirements shown below.

Illumination Requirements at Intersections Based on Pedestrian Classification

City of Umatilla Functional Classification	Average Maintained Illuminance (fc)			Uniformity (Avg/Min)
	Pedestrian Classification			
	High	Medium	Low	
Principal Arterial/Principal Arterial	3.4	2.6	1.8	3:1
Principal Arterial/Minor Arterial	2.9	2.2	1.5	3:1
Principal Arterial/Collector	2.6	2.0	1.3	3:1
Minor Arterial/Minor Arterial	2.4	1.8	1.2	4:1
Minor Arterial/Collector	2.1	1.6	1.0	4:1
Collector/Collector	1.8	1.4	0.8	6:1

Illumination Requirements on Roadways

City of Umatilla Functional Classification	Average Maintained Illuminance (fc)	Uniformity (Avg/Min)
Principal Arterial	1.3	3:1
Minor Arterial	0.9	4:1
Collector	0.7	6:1

Luminaires shall have a mounting height of 35 feet for arterial streets and 30 feet for residential (collector) streets. Luminaires shall be located a minimum of 2 feet and a maximum of 7.5 feet from the edge of curb. Street lights shall be spaced to meet illuminance requirements shown in the tables above.

ROADSIDE PLANTING, IRRIGATION AND FENCING

Where directed and required by the City of Umatilla the developer/contractor shall provide roadside planting, irrigation and/or fencing in general conformance with the requirements below:

Plantings:

1. Plants shall consist of arid grasses and/or low growing evergreen shrubs. Grasses and shrubs shall be low growing (3-ft or less).
2. Plantings shall cover a minimum of 30% of the planting area.
3. Place a minimum of 3-inches of local topsoil in the planting area prior to placing weed barrier.
4. Rock mulch consisting of 1-inch to 1.5-inch black/gray crushed basalt shall be provided in the planting area with a minimum depth of 3-inches. Rock mulch shall cover 100% of the planting area.
5. Weed barrier fabric shall be placed over the planting area prior to placement of the rock mulch. Fabric shall be secured in place per manufactures installation instructions. Weed barrier fabric shall be "Typar" 3201 geotextile landscape fabric or approved equal.
6. Backfill plants with local topsoil in accordance with supplier recommendations. Do not backfill plants with rocky and/or poor soils. Amend the soils as necessary to help support plant growth.
7. Developer/contractor shall submit a planting plan to the City and obtain City acceptance prior to the placement of any planting materials.
8. Warranty: Upon final acceptance of the project as being properly installed, the Contractor shall guarantee the plant materials for one full, continuous growing season, and replace plants that are dead, unhealthy, unsightly condition, or that have lost their natural shape due to dead branches or excessive pruning.

Irrigation:

1. Provide an automated irrigation system to provide adequate watering coverage for the planting materials.
2. Developer/contractor shall provide all the materials, parts and labor to construct an underground automated irrigation system. It shall also include the necessary electrical connections, parts and materials to operate the system.
3. Developer/contractor shall provide and submit an irrigation layout plan to the City and obtain City acceptance prior to the placement/installation or the irrigation system. The submittal shall include parts list for all of irrigation components to include but not limited to piping, fittings, valves, controller, wiring, heads, drips, boxes, etc.....
4. Irrigation piping shall be pvc class 200 for pipe sizes larger than 2-inches and schedule 40 for pipe 2-inches and smaller.
5. All main line fittings 3-inches and smaller shall be solvent weld schedule 80 pvc.

6. All main line fittings 4-inches or larger shall be push on, gasketed, and constructed of ductile iron.
7. All lateral line fittings shall be solvent weld schedule 40 pvc.
8. Main lines shall have a minimum coverage of 24-inches.
9. Lateral lines shall have a minimum coverage of 12-inches.
10. All main and lateral lines shall be sleeved where they pass under any paved areas/surfaces. The size of the sleeve shall be twice the size of the pipe being sleeved. Pipe sleeves shall be schedule 80 pvc.
11. Irrigation control wire shall be 2-wire from the controller to the field devices. Wire shall be polyethylene double-jacketed or UF-B UL pvc double jacketed two conductor solid core for direct burial systems.
12. Irrigation control wire shall be 2-wire soft drawn, annealed, solid copper conforming to ASTM 33. Conductor insulation must be 4/64-inch thick pvc conforming to UL #493.
13. All underground wire shall be placed in schedule 40 pvc conduit. All out-of-ground wire shall be placed in rigid metal conduit.
14. All splices shall be water-tight. All connections made inside the box to connect the 2-wire to the valve shall be made using a dry-splice connector 3M #DBR-6, DBR-6 direct bury splice kit or approved equal and shall be UL 486D listed.
15. No aluminum wire shall be used.
16. Drip tubing shall be Netafim Techline CV (17mm dripline), TLDL6-12 coil length as required or approved equal. Flow rate of 0.60 gph and emitter spacing of 12-inches.
17. Drip tube fittings shall be Netafim 17mm dripline fittings, barbed, uv resistant and one-piece construction or approved equal.
18. Drip tubing accessories shall include Netafim TLSOV shut-off valve and Netafim TLSOV manual drain valve or approved equal.
19. Provide irrigation rated valve boxes flush with finished grade.
20. Controller shall be low voltage system made for control of irrigation system for automatic control valves with 120 volt AC.
21. Backfill around and over the irrigation pipe using material consisting of bedding sand. Place sand 3-inches above the pipe and 3-inches below the pipe. Sand bed all main lines and remove all rocks larger than 1″ from other trenches. Compact trenches outside of paved surface areas to minimum of 88% of the maximum dry density as determined by ASTM 698. Compact trenches under paved surfaces to 98% of the maximum dry density as determined by ASTM 698.
22. Provide mainline pressure test after valves have been installed at a pressure of 100 psi for a period of 2-hours. Pressure loss of 3-psi or less is acceptable. Correct all leaks and retest until acceptable pressure loss is achieved.
23. Make all necessary adjustments as needed to provide adequate water coverage to the planting materials.
24. Run sprinkler coverage test with City representative present. Run each zone and observe water coverage. Make any noted adjustments to the system upon completion of the test.

Fencing:

1. Fencing shall be 6-ft tall privacy white vinyl.
2. Fencing shall conform with ASTM F964-13.
3. Fencing structural supports shall be properly embedded into the ground and backfilled with concrete. Support shall be encased with vinyl fencing material or an approved equal.
4. Fencing shall be uniform in color, style and material and shall not use dissimilar colors, styles or materials.

SPECIAL PROVISIONS FOR STREET IMPROVEMENTS

The following sections of the Oregon Standard Specifications for Construction have been amended or supplemented as described below.

Section 00310 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS

00310.41 Removal of Work

Supplement this section with the following:

Where structures or installations of concrete, brick, blocks, etc., interfere with the construction, they shall be removed and any pipe openings shall be properly plugged watertight with Class 3000 concrete, or with mortar and masonry, blocks, or brick. The removal and plugging of pipes shall be considered as incidental to the construction.

Where the structures are removed, the voids shall be backfilled with suitable, job-excavated material and compacted, and such work shall be considered as incidental to the removal work. If the City determines the job-excavated material to be unsuitable for backfill, the Contractor shall place ballast or crushed surfacing material as directed by the City.

In those areas where asphalt pavement removal is required, the Contractor shall, prior to excavation, score the edge of the asphalt concrete pavement with an approved pavement cutter such as a concrete saw. During the course of the work, the Contractor shall take precautions to preserve the integrity of this neat, clean pavement edge. Should the pavement edge be damaged prior to asphalt concrete paving activities, the Contractor shall be required to trim the edge with an approved pavement cutter as directed by the City immediately prior to paving. Sidewalk and/or curb and gutter removal shall be from construction joint to joint. No partial sidewalk panels or curb and gutter sections will be allowed.

Street excavation shall consist of removing the existing material of whatever nature encountered to the subgrade elevation and shaping the subgrade to conform to the cross- section shown on the Plans or as staked in the field.

Where directed by the Consultant, the Contractor shall excavate beyond the right-of-way in order to adequately slope adjacent properties.

The Contracting Agency will reference all known existing monuments or markers relating to subdivisions, plats, roads, street centerline intersections, etc. The Contractor shall take special care to protect these monuments or markers and also the reference points. In the event the Contractor is negligent in preserving such monuments and markers, the points will be reset by a licensed surveyor at the Contractor's expense.

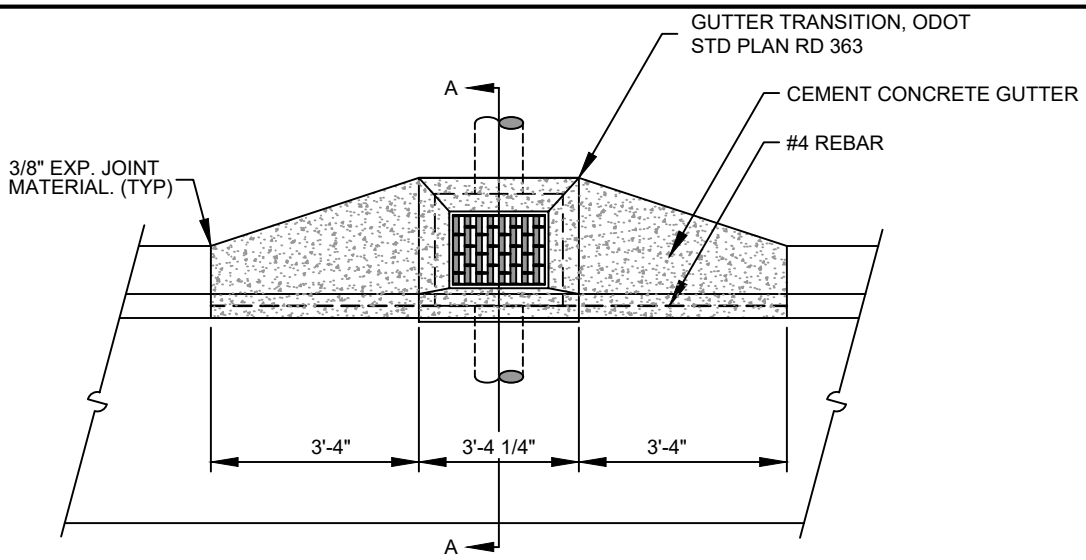
Section 00340 - WATERING

00340.40 Watering

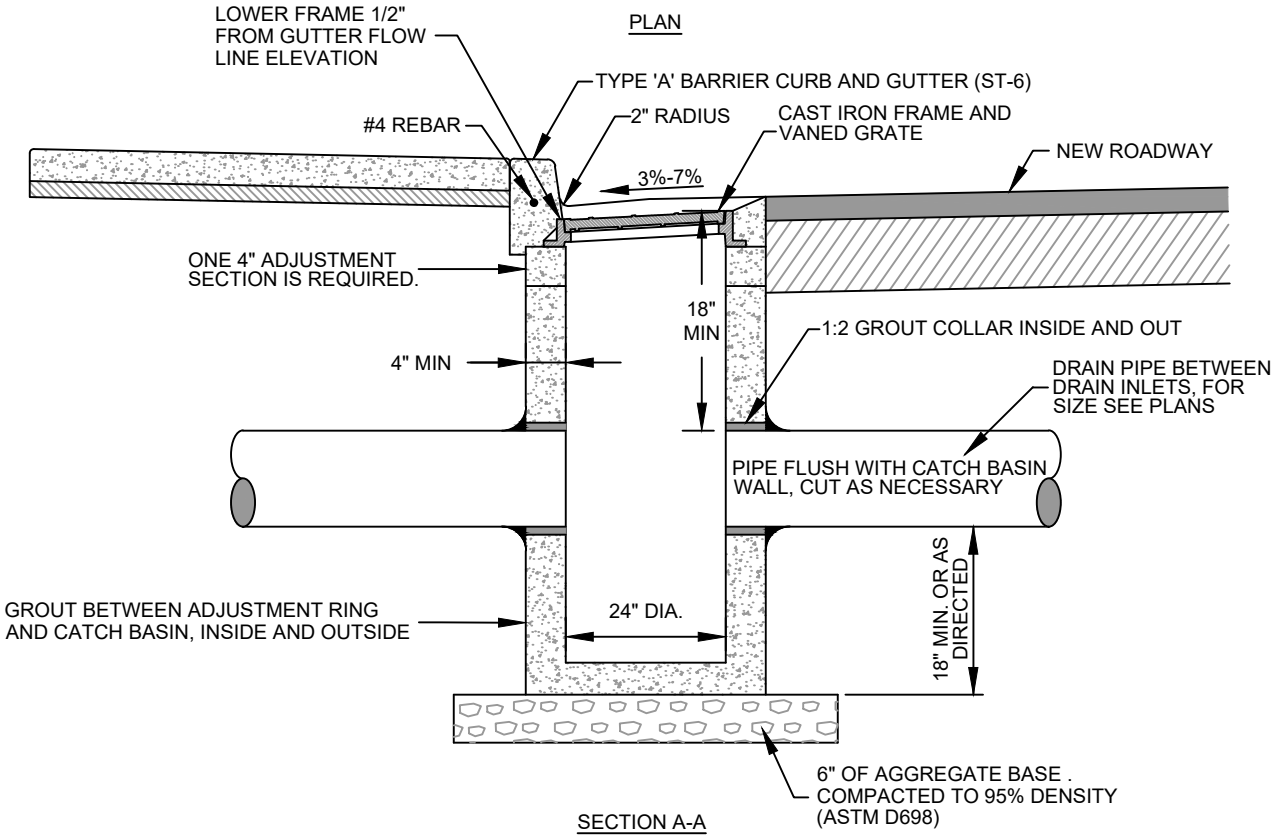
Supplement this section with the following:

The Contractor shall be solely responsible for dust control on the Developer's project and shall protect motoring public, adjacent homes and businesses, orchards, crops, and school yards from damage due to dust, by whatever means necessary. The Contractor shall be responsible for any claims for damages and shall protect the City, County, and Consultant from any and all such claims.

When directed by the City, the Contractor shall provide water for dust control within two hours of such order and have equipment and manpower available at all times including weekends and holidays to respond to orders for dust control measures. Should the Contractor fail to comply within two hours, the City may utilize its own staff at the prevailing Engineering Staff wage rate plus equipment rental charges, and/or contracted watering services. The Contractor will be responsible for reimbursement of all dust control costs including labor, equipment, water, and contractor costs. Subsequent building permits will not be processed until reimbursement is paid in total.



PLAN



SECTION A-A

NOTES:

1. MAXIMUM PIPE DIAMETER SHALL BE 15 INCHES.
2. SEE DWG. NO. SS-1 FOR STORM DRAIN MANHOLE.
3. SEE DWG. NO. SD-3 FOR INFILTRATION TRENCH.
4. DO NOT KNOCK OUT HOLE IN BOTTOM OF CATCH BASIN.
5. FRAME AND GRATES SHALL BE EAST JORDAN 7753 ROUND BASE CATCH FRAME AND GRATE OR APPROVED EQUAL.
6. CONCRETE SHALL BE 3,000 PSI

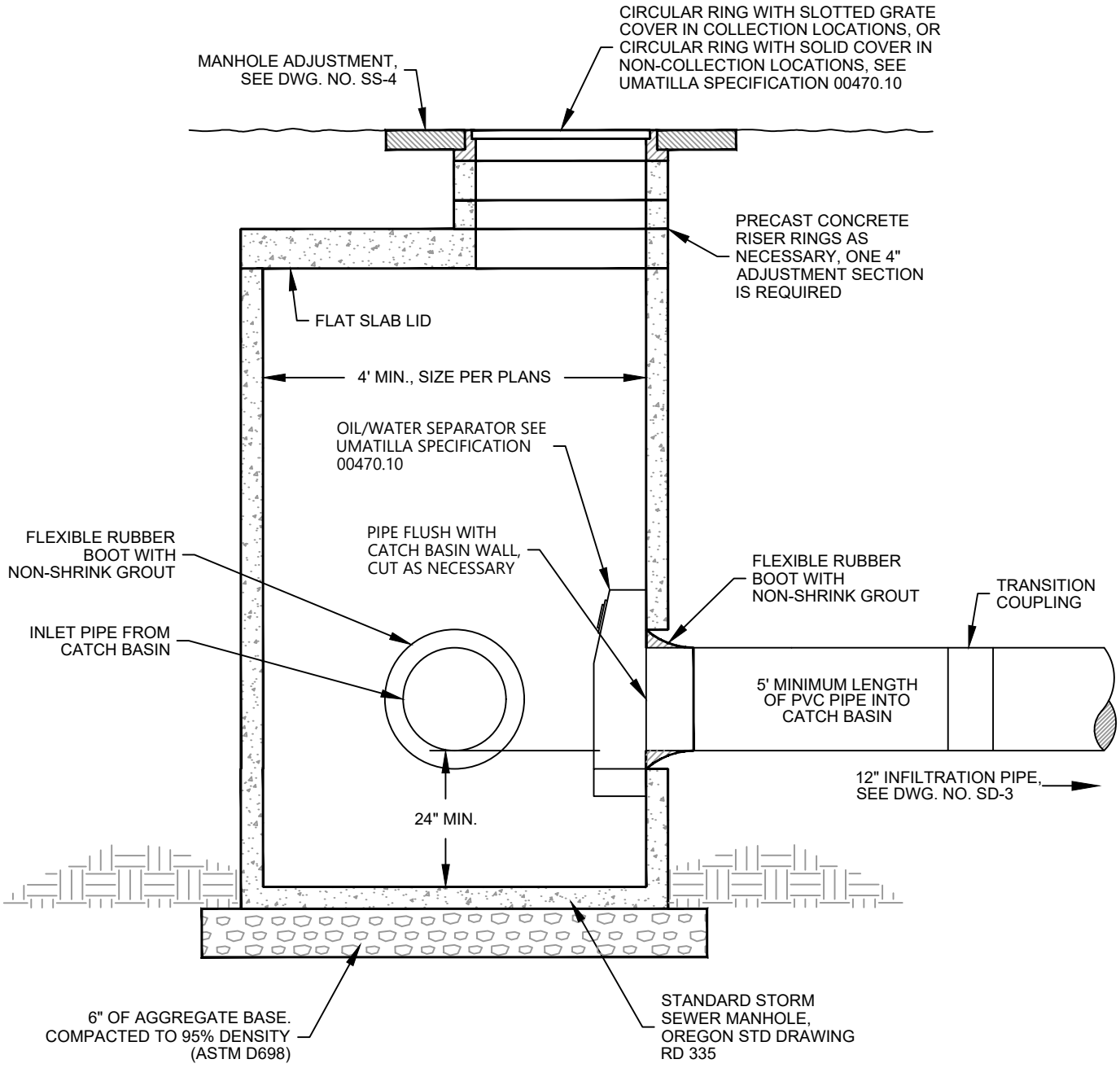
Umatilla Est. 1862

TYPE 1 CATCH BASIN

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SD-1



NOTE:

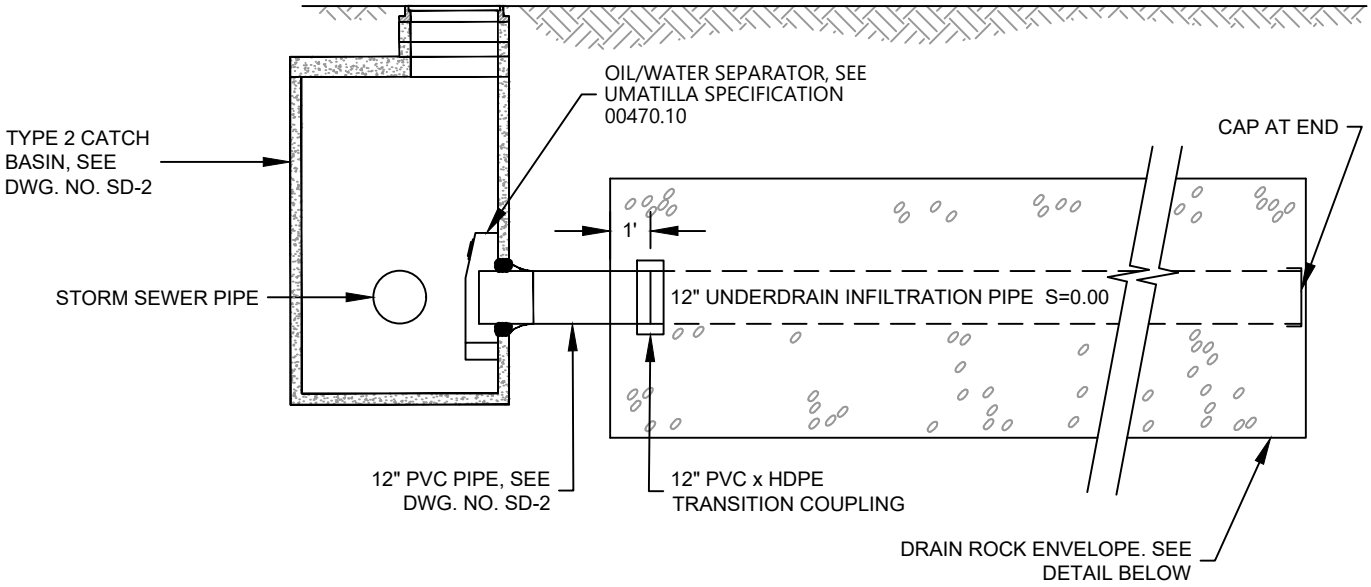
1. SEE DWG. NO. SD-3 FOR INFILTRATION TRENCH.
2. STORM MANHOLES IN EXCESS OF 6' DEEP SHALL USE A 48" CONE IN PLACE OF FLAT SLAB LID.
3. NO MANHOLE STEPS.

TYPE 2 CATCH BASIN

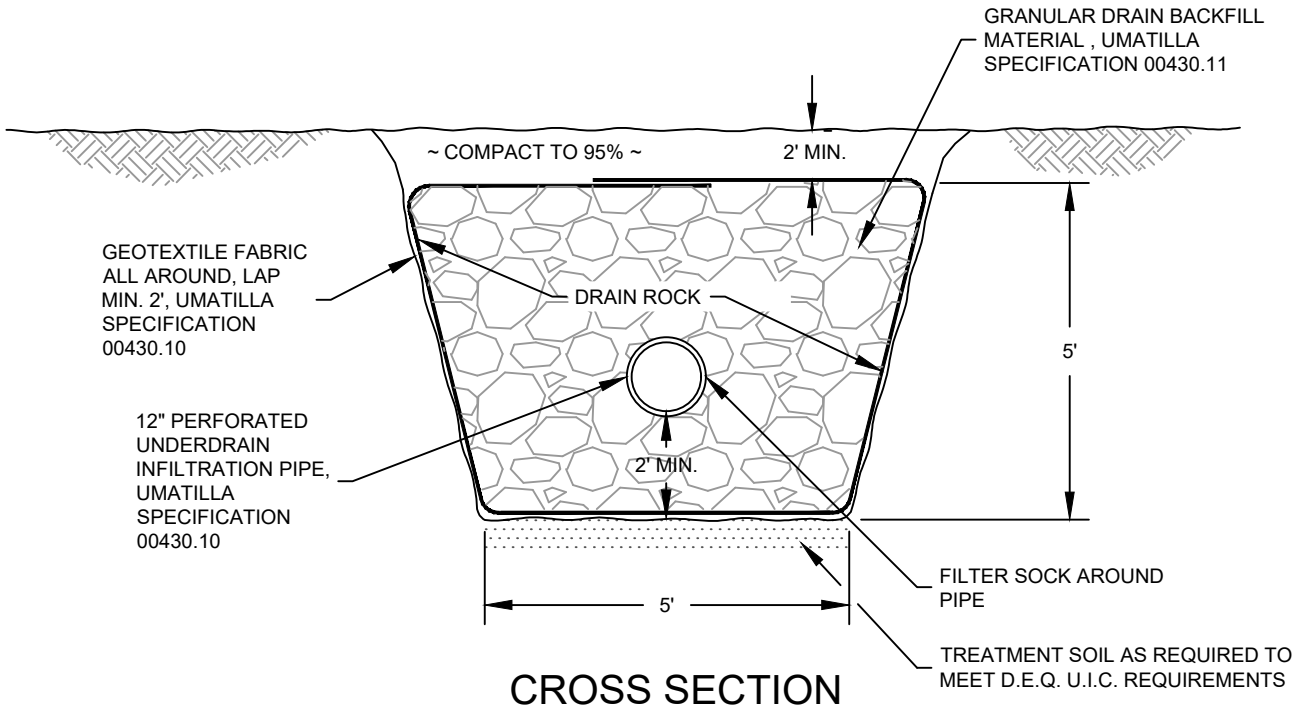
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SD-2



SIDE VIEW



CROSS SECTION

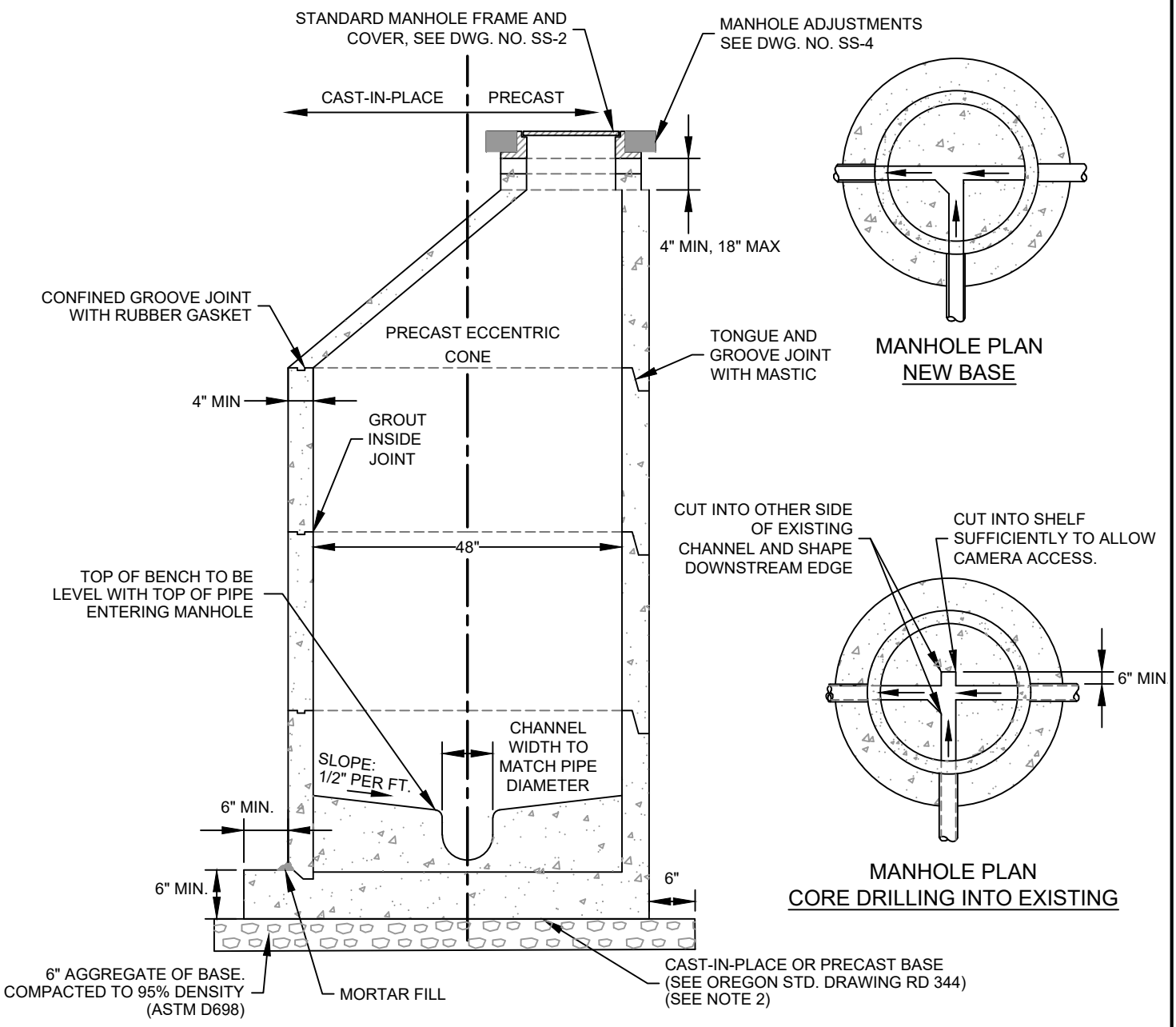
INFILTRATION TRENCH

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SD-3

MANHOLE FOR 8" TO 21" PIPE



NOTES:

1. THE INSIDE JOINT SURFACE SHALL BE GROUTED. GROUT ALL LIFT HOLES.
2. ALL CHANNELIZATION OF MANHOLE BASES SHALL BE FULLY COVERED BY A RIGID MATERIAL DURING CONSTRUCTION OF ROAD SURFACES TO PREVENT FOREIGN MATERIALS FROM ENTERING SYSTEM.
3. FOR MANHOLES LESS THAN 5'-0" USE FLAT TOP MANHOLE WITH TRAFFIC BEARING LID.
4. FOR CAST-IN-PLACE MANHOLES, THE CHANNEL SHALL BE FITTED WITH A SAND COLLAR. FOR PRECAST MANHOLES, THE CHANNEL SHALL BE FITTED WITH AN A-LOK PREMIUM GASKET OR APPROVED EQUAL. CORE DRILL HOLE SHALL BE FITTED WITH A SAND COLLAR.
5. FOR STRAIGHT THRU MANHOLES, THE INVERT ELEVATION SHALL HAVE A .10' OF FALL FROM THE INLET TO THE OUTLET. FOR MANHOLES WITH A BEND OR CHANGE IN DIRECTION, THE INVERT ELEVATION SHALL HAVE .20' OF FALL FROM THE INLET TO THE OUTLET.
6. RE-CHANNEL BASE IF INLET OR OUTLET PIPES DO NOT ALIGN WITH EXISTING MANHOLE CHANNEL.
7. PIPE ALIGNMENT INTO AND FROM MANHOLE SHALL HAVE 0° DEFLECTION.
8. MANHOLE SHALL NOT INCLUDE STEPS.

Umatilla Est. 1862

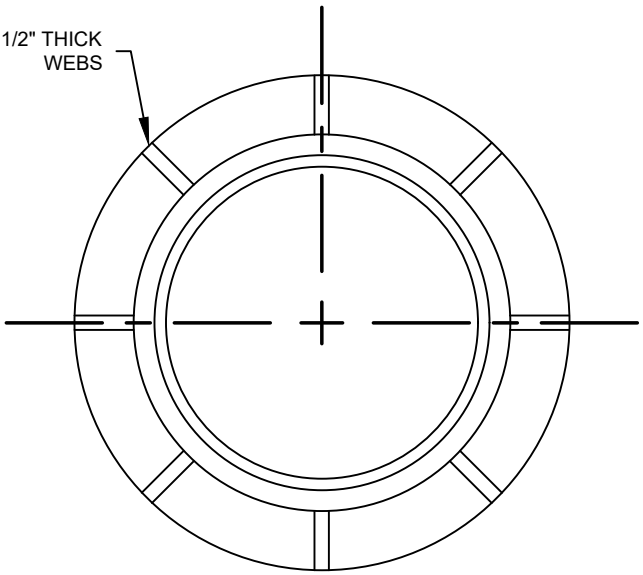
STANDARD MANHOLE

PUBLIC WORKS ENGINEERING

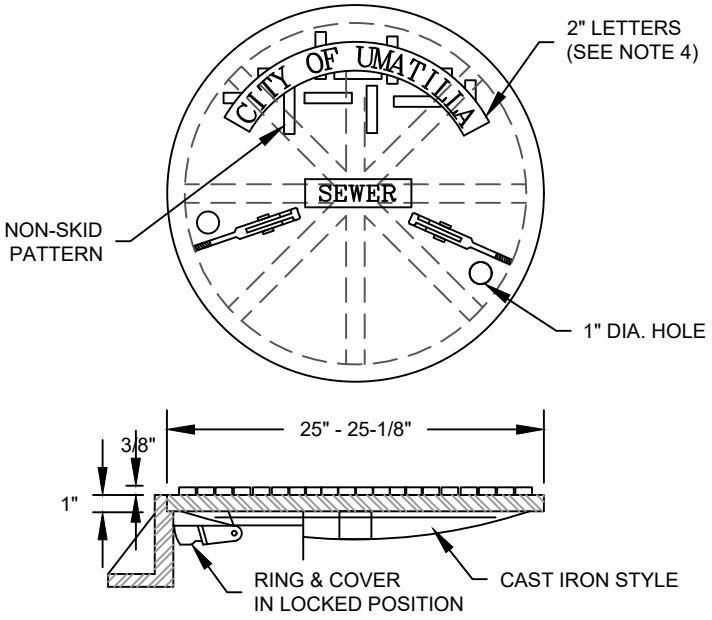
DATE: 10/5/21

DWG: SS-1

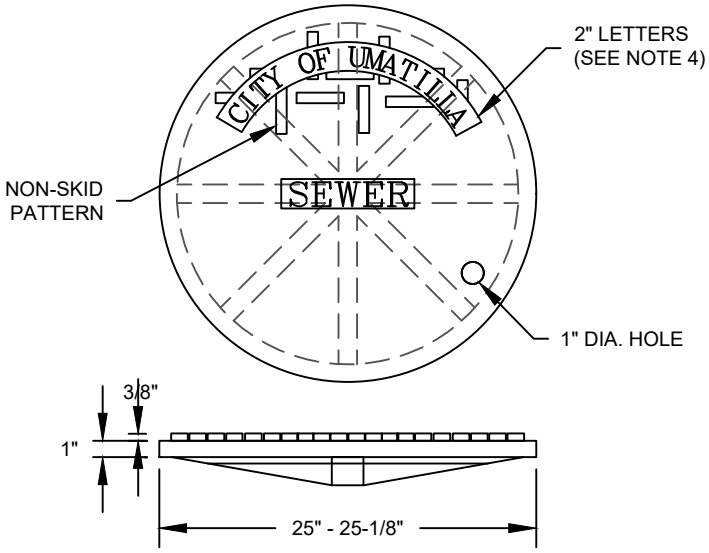
FRAME

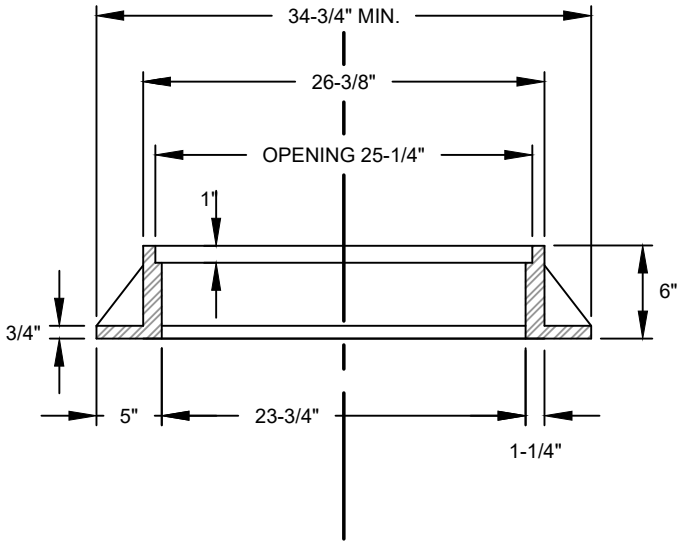


LOCKING COVER



COVER





NOTES:

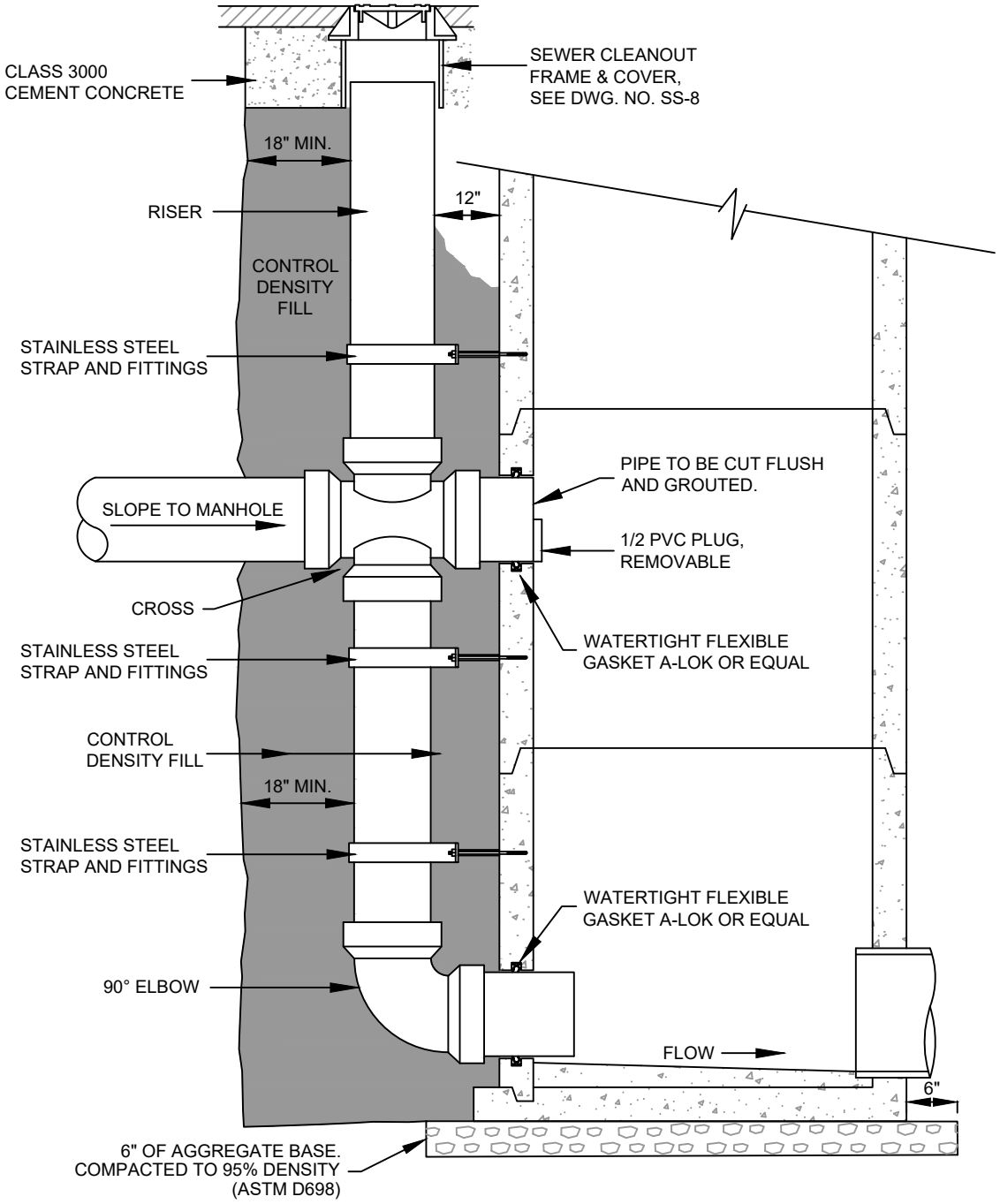
1. COVER WEIGHT - MIN. 150 LBS.
   FRAME WEIGHT - MIN. 185 LBS.
2. MACHINE COVER SEAT & COVER FACE.
3. LOADING-40,000 LBS. HEAVY (H-40 RATING) TRAFFIC LOADING
4. MANHOLE COVERS TO BE LETTERED AS "WATER," "SEWER," OR "STORM" AS REQUIRED BY TYPE OF APPLICATION. ALSO COVERS SHALL HAVE RAISED 2" LETTERS WITH THE WORDS "CITY OF UMATILLA".

MANHOLE FRAME AND COVER (LOCKING & NON-LOCKING)

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SS-2



NOTES:

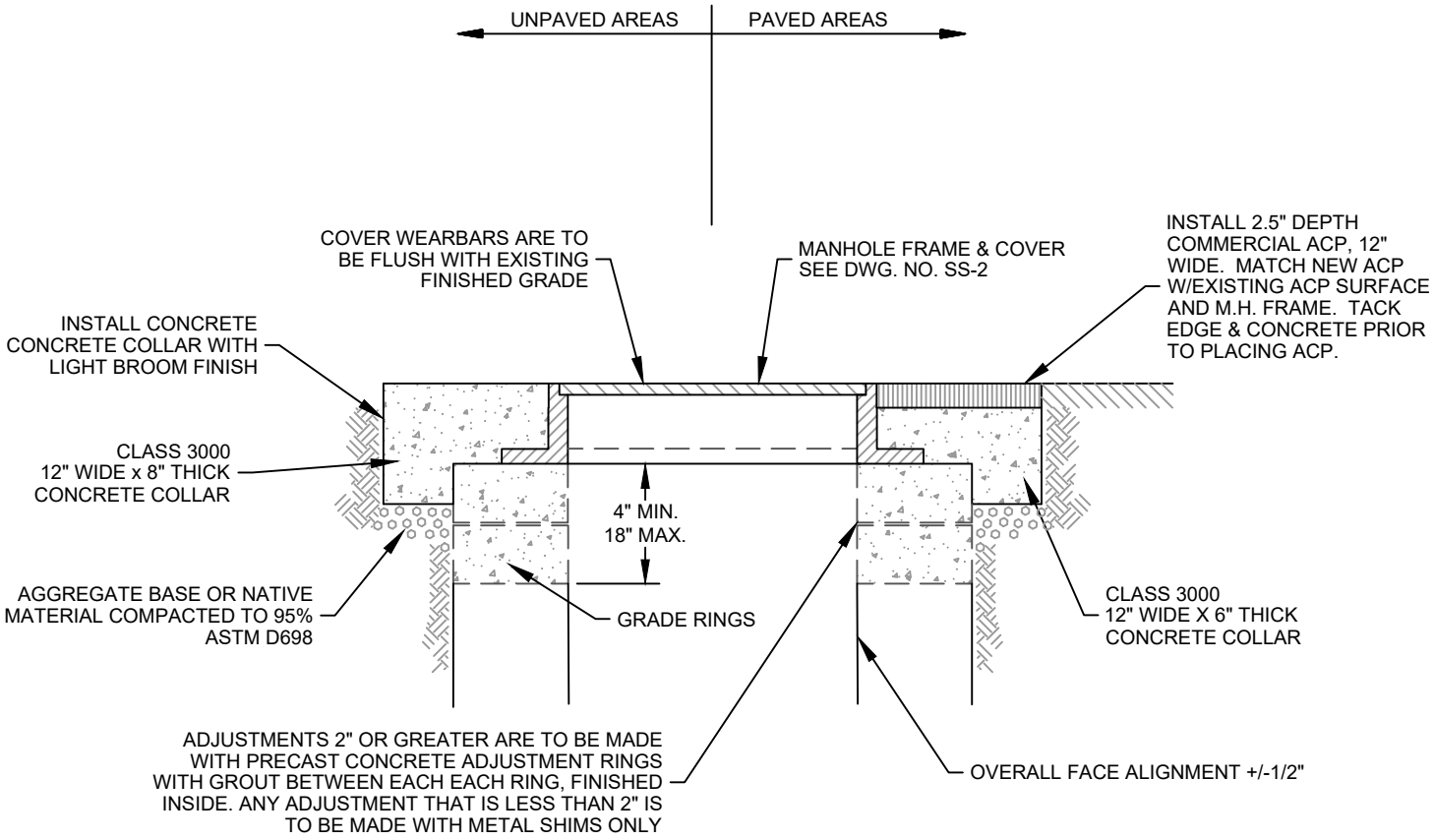
1. STAINLESS STEEL STRAP AND CONNECTOR BOLTS, OR ANCHORS, SHALL BE INSTALLED, A MINIMUM OF 2, SPACING NOT TO EXCEED 36 INCHES.
2. DROP CONNECTION PIPE DIAMETER AND FITTINGS SHALL BE EQUAL TO OR GREATER THAN THE DIAMETER OF THE SEWER MAIN.
3. DROP CONNECTION SHALL ONLY BE USED WITH APPROVAL FROM THE CITY ENGINEER.
4. ALL PIPE AND FITTINGS AND SHALL BE PVC CONSISTENT WITH UMATILLA SPECIFICATION SECTION 00445.11

STANDARD DROP MANHOLE

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SS-3



NOTE:

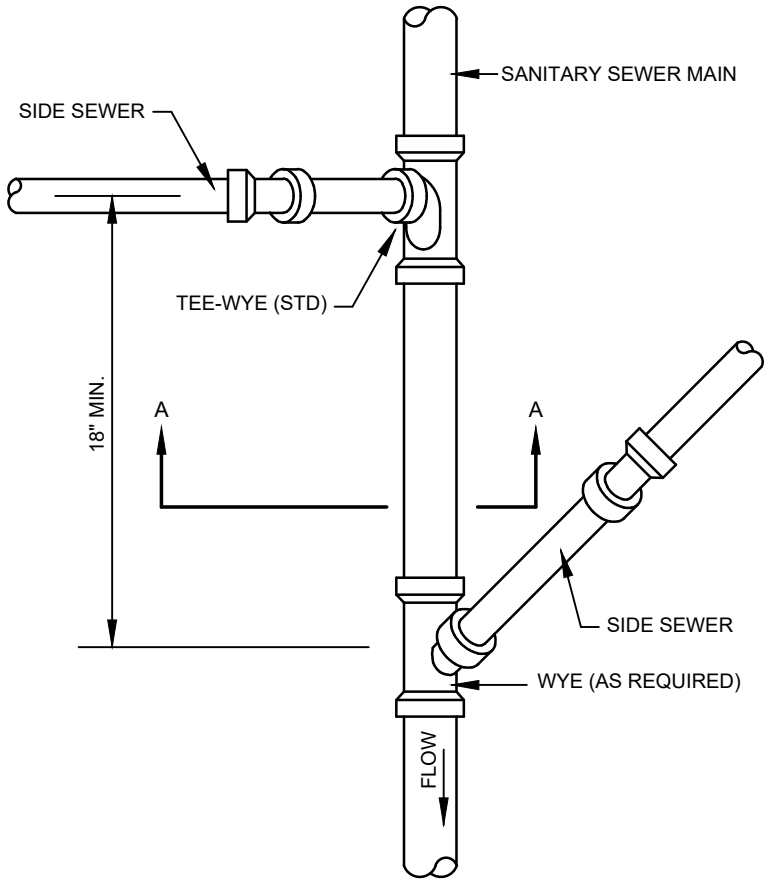
BOLLARDS MAY BE REQUIRED BY CITY ENGINEER.

MANHOLE ADJUSTMENTS

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

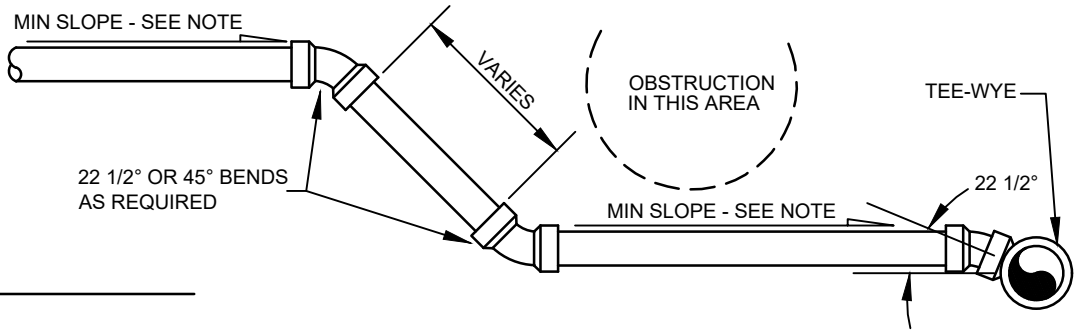
DWG: SS-4



PLAN VIEW

NOTES:

1. SIZES OF SERVICE PIPE AND FITTINGS SHALL BE AS INDICATED ON THE DRAWINGS.
2. SIDE SEWER SERVICE SHALL BE EXTENDED 5' BEYOND THE PROPERTY LINE OR EASEMENT LINE, WHICHEVER IS FURTHER AND MARKED WITH AN 8' TREATED 2x4 INSIDE AN 8' STEEL STUD, PAINTED GREEN, EXTENDING 36-48" ABOVE FINISHED GROUND SURFACE. MARKER BOARD TO BE CUT OFF FLUSH WITH THE GROUND IN ALREADY ESTABLISHED AREAS.
3. NO GLUED FITTINGS IN RIGHT-OF-WAY.
4. SERVICE CONNECTIONS 8" OR LARGER SHALL BE APPROVED BY CITY ENGINEER AND MUST BE MADE AT MANHOLE. A CLEAN-OUT SHALL BE PLACED AT THE RIGHT OF WAY LINE MAKING THE DISTINCTION BETWEEN PUBLIC AND PRIVATE LINES.
5. SIDE SEWER CONNECTIONS TO NEW SANITARY SEWER MAINS SHALL BE MADE WITH TEE-WYES, TEES, OR WYES AS DIRECTED. ALL CONNECTIONS TO THE STUBS AND EXISTING SEWER MAINS SHALL BE MADE WITH "RIGID TYPE" COUPLERS. ANY DEVIATIONS FROM THIS SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO USE.
6. WHERE DEPTH IS INSUFFICIENT TO ALLOW CONNECTION AS SHOWN, CONNECT SERVICE AS DIRECTED BY ENGINEER.
7. ALL SIDE SEWER MATERIALS SHALL BE PVC SEWER PIPE CONFORMING TO THE REQUIREMENTS OF SECTION 7-18.2 OF THE STANDARD SPECIFICATIONS.
8. MINIMUM SLOPES ARE AS FOLLOWS:
   4" DIA. PIPE = 0.02 ft/ft
   6" DIA. PIPE = 0.01 ft/ft
9. INSTALL CLEANOUT AT PROPERTY LINE AS REQUESTED BY THE CITY.



CONNECTION AT OBSTRUCTION

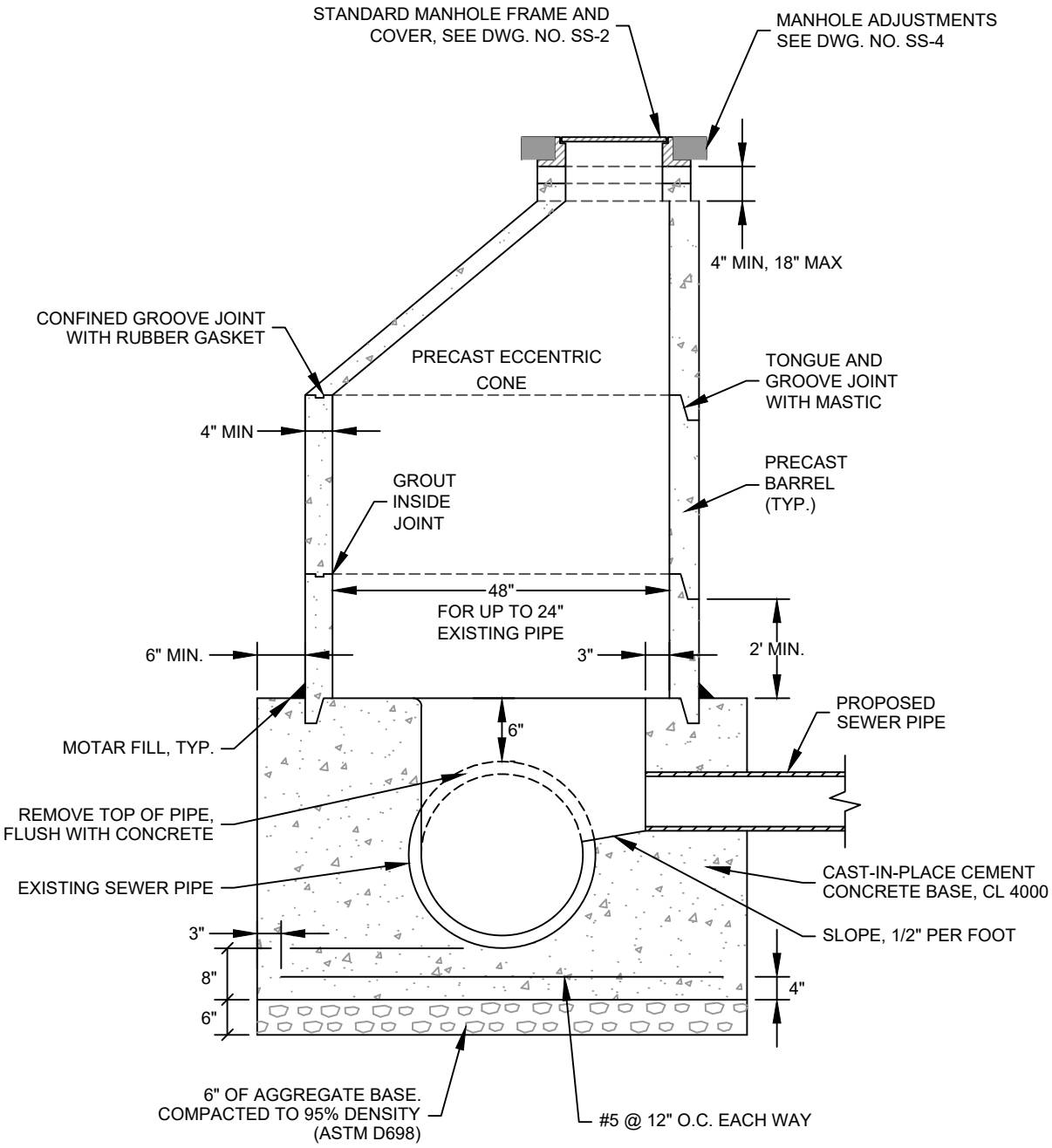
SECTION A-A

SEWER STUB INSTALLATION (NEW AND EXISTING MAIN)

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SS-6



NOTES:

1. THE INSIDE JOINT SURFACE SHALL BE GROUTED. GROUT ALL LIFT HOLES.
2. ALL CHANNELIZATION OF MANHOLE BASES SHALL BE FULLY COVERED BY A RIGID MATERIAL DURING CONSTRUCTION OF ROAD SURFACES TO PREVENT FOREIGN MATERIALS FROM ENTERING SYSTEM.
3. FOR MANHOLES LESS THAN 5'-0" USE FLAT TOP MANHOLE WITH TRAFFIC BEARING LID.
4. THE MANHOLE PIPE CONNECTIONS SHALL BE FITTED WITH SAND COLLARS.
5. MATCH CROWN OF EXISTING PIPE WITH NEW SEWER PIPE.
6. EITHER FORM RECESS IN CAST-IN-PLACE BASE OR SET RISER SECTION IN CAST-IN-PLACE BASE TO DEPTH OF JOINT, EQUAL DEPTH ALL AROUND.
7. PIPE ALIGNMENT INTO MANHOLE SHALL HAVE 0° DEFLECTION.
8. MANHOLE SHALL NOT INCLUDE STEPS.
9. THE EXISTING PIPE SURFACE SHALL BE CLEAN AND COATED WITH A BONDING AGENT PRIOR TO POURING BASE.

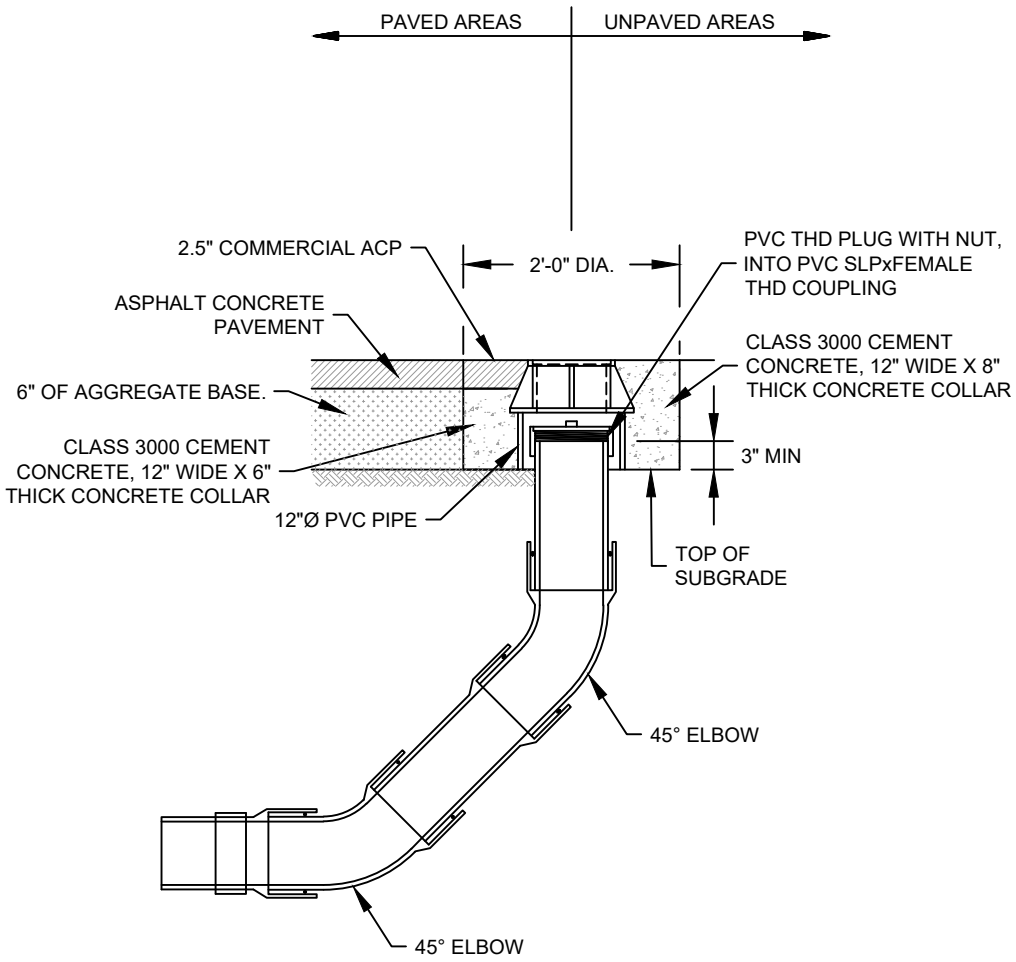
Umatilla Est. 1862

DOGHOUSE MANHOLE

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SS-7



NOTES:

1. CAST IRON FRAME & COVER INLAND FOUNDRY INC. CLEANOUT MODEL 247 RING, FRAME, AND COVER WITH "SEWER CLEANOUT" ON COVER OR APPROVED EQUAL

2. CLEANOUT PIPE SHALL BE 8" DIA. PVC SEWER PIPE IN ACCORDANCE W/ THE STANDARD SPECS.

3. CLEANOUTS SHALL ONLY BE APPROVED FOR PHASED DEVELOPMENT AT SEWER EXTENSION LOCATION.

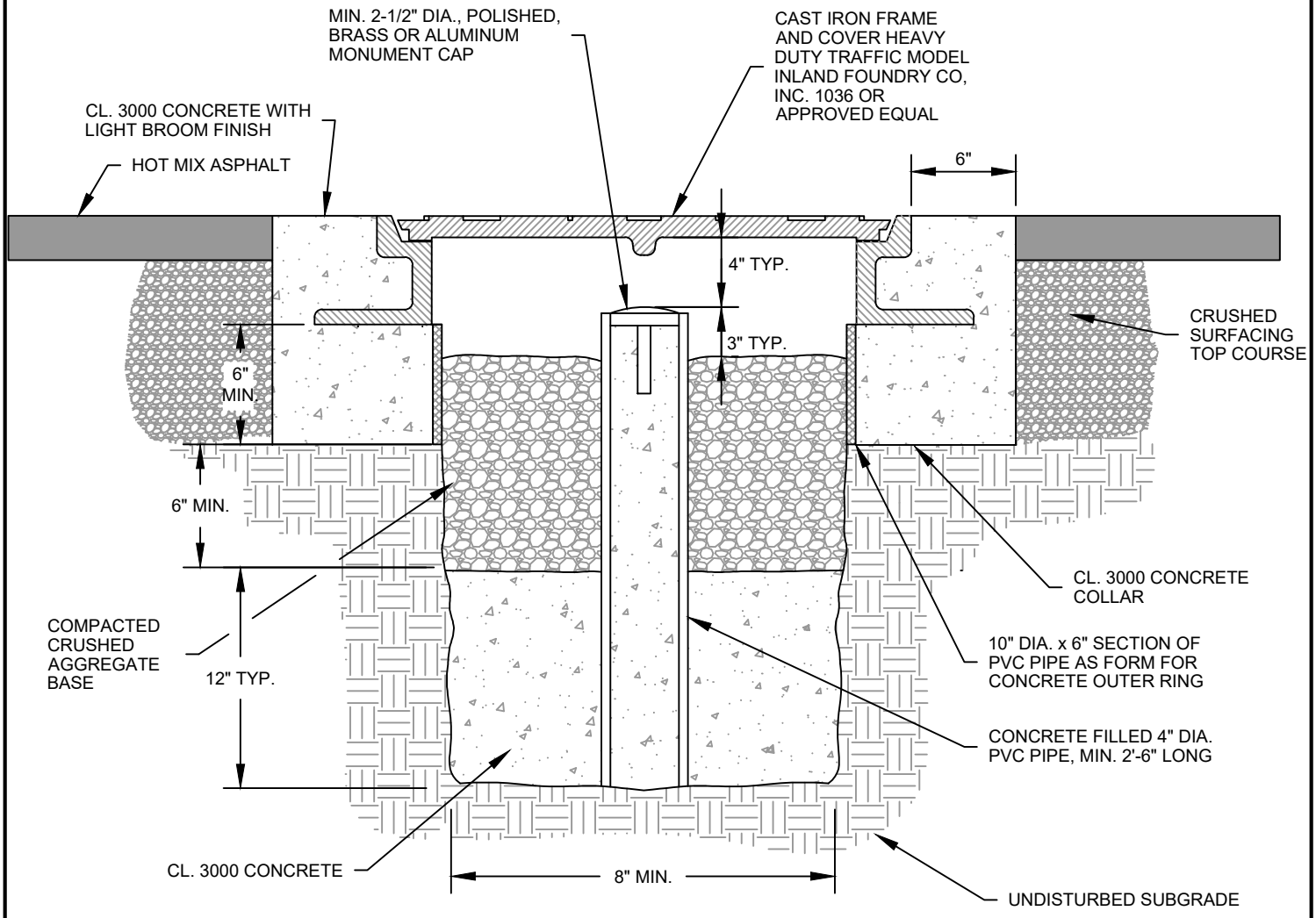
Umatilla Est. 1862

SEWER CLEANOUT

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SS-8



PERMANENT CONTROL MONUMENTS SHALL BE ESTABLISHED AT:

1. THE CENTERLINE INTERSECTIONS OF ALL ROADS WITHIN THE SUBDIVISION.
2. THE BEGINNING AND END OF CURVES ON CENTERLINES.

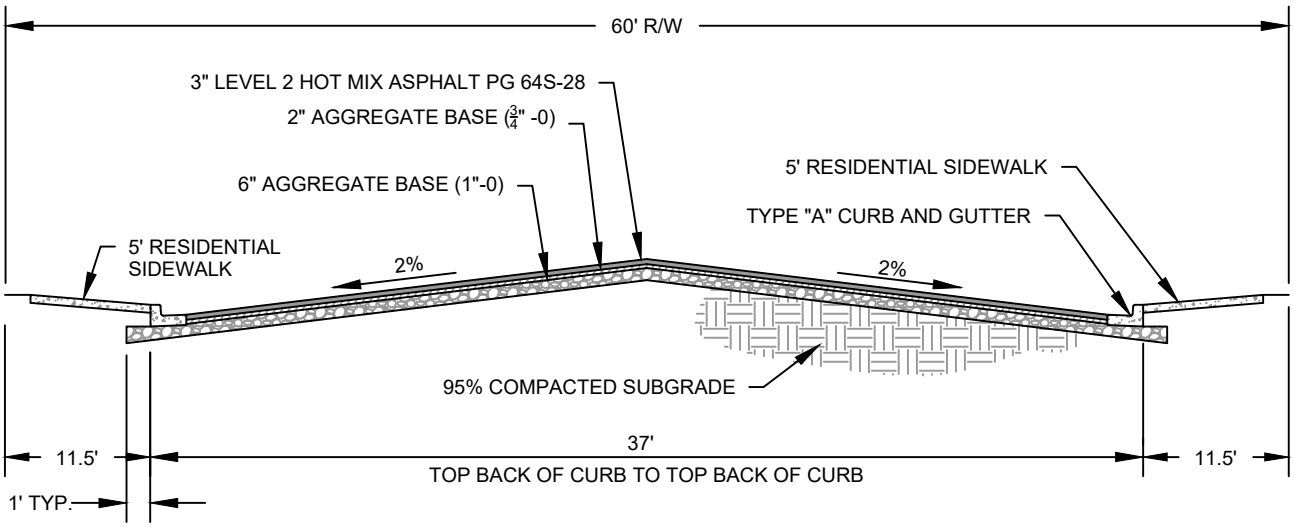
OREGON LICENSED PROFESSIONAL LAND SURVEYOR TO REFERENCE MONUMENT LOCATION FOR INSTALLATION AND PUNCH CAP AFTER INSTALLATION. THE MONUMENT CAP SHALL BE SET IN SUCH A FASHION AS TO ENSURE THAT THE PUNCH MARK IS ON THE MONUMENT CAP.

MONUMENT CASE & COVER

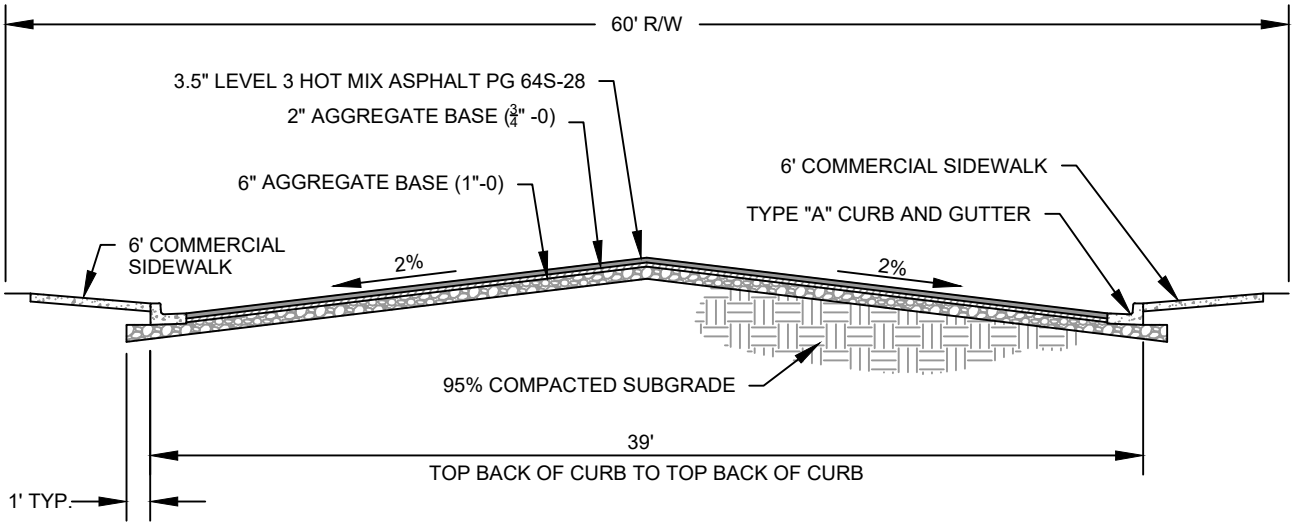
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: ST-1



LOCAL ACCESS STREET (RESIDENTIAL)



LOCAL ACCESS STREETS COMMERCIAL/INDUSTRIAL

NOTES:

1. ALL ASPHALT AND ROCK DIMENSIONS SHALL BE MINIMUM THICKNESS, COMPACTED DEPTHS.

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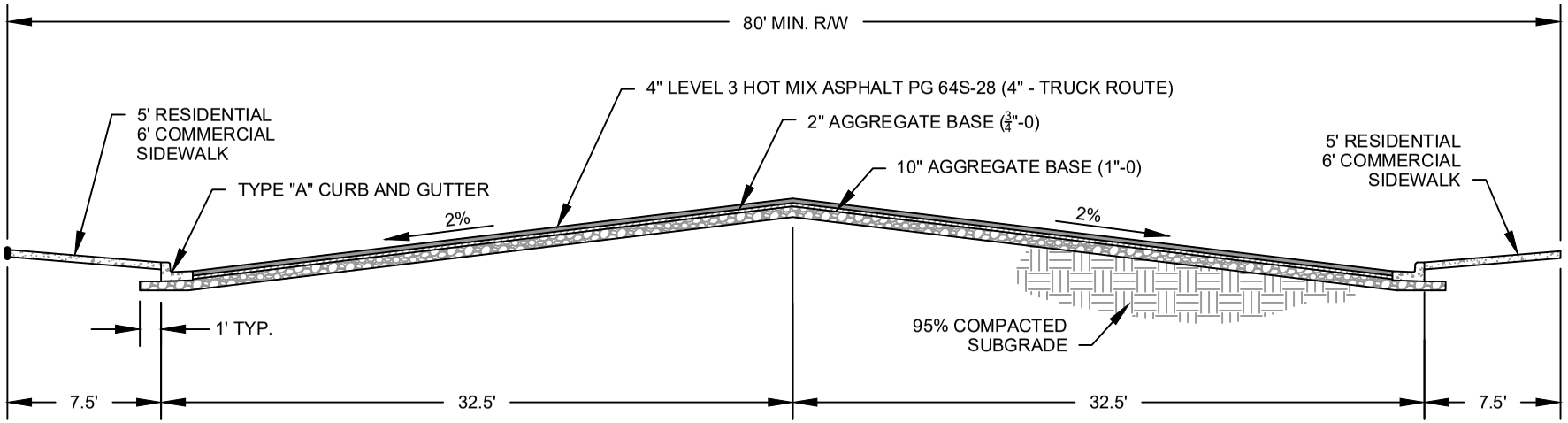
TYPICAL STREET SECTIONS LOCAL ACCESS

PUBLIC WORKS ENGINEERING

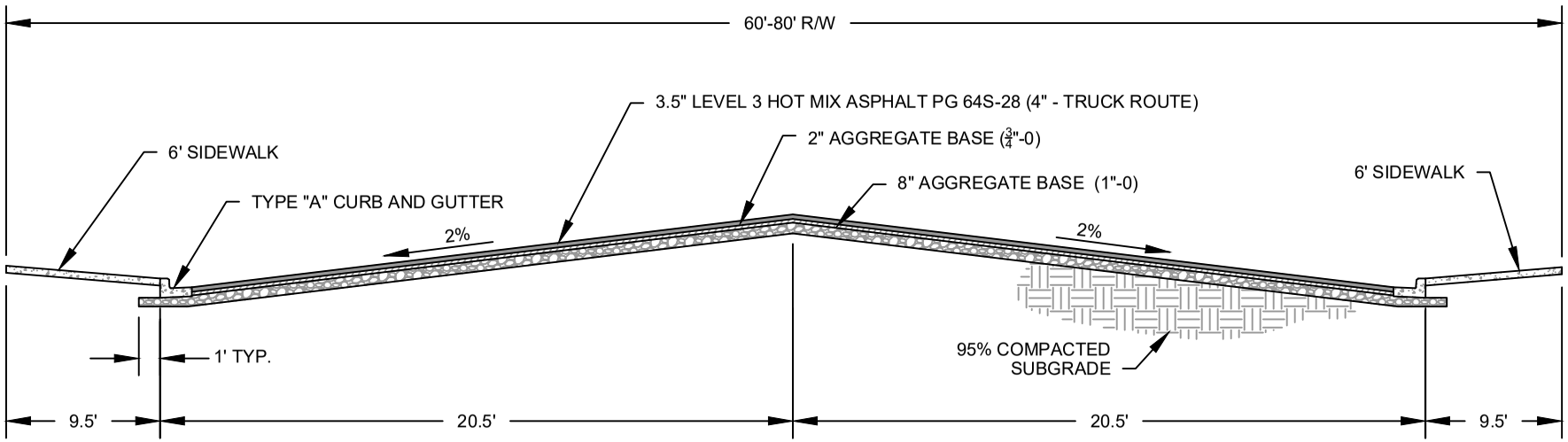
DATE: 10/5/21

DWG: ST-2A

TYPICAL STREET SECTIONS ARTERIAL AND COLLECTOR



MINOR ARTERIAL



COLLECTOR

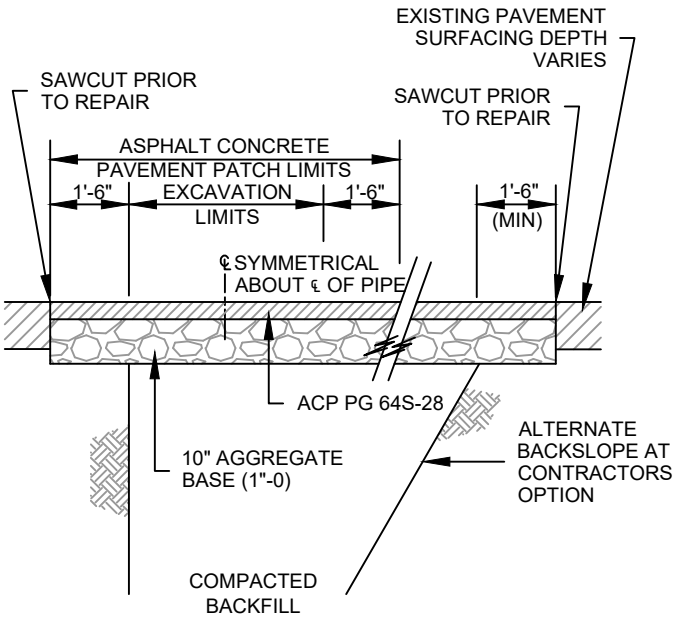
NOTE:

ALL ASPHALT AND ROCK DIMENSIONS SHALL BE MINIMUM THICKNESS, COMPACTED DEPTHS.

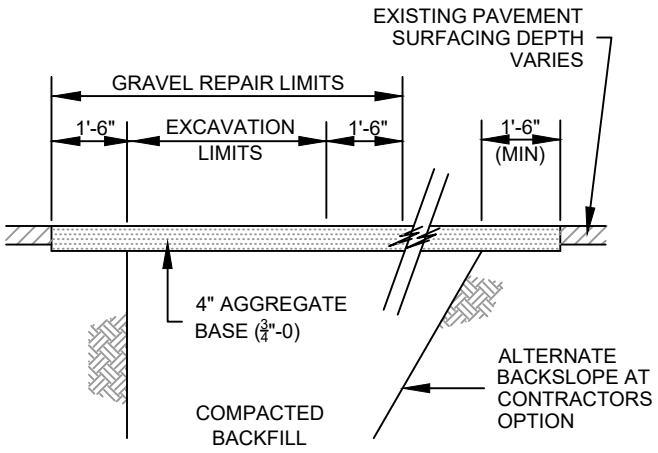
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

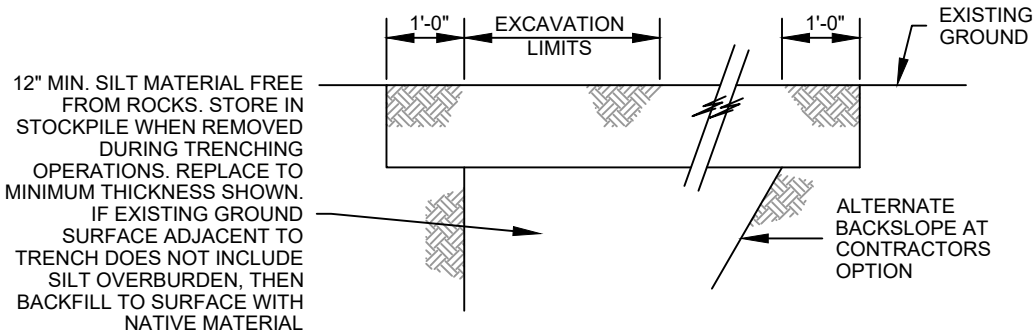
DWG: ST-2B



ACP PAVEMENT REPAIR



GRAVEL SURFACING



UNSURFACED AREAS

NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCH SURFACE RESTORATION BEYOND THE LIMITS SHOWN, INCLUDING WIDER TRENCH SECTIONS RESULTING FROM LAYING BACK TRENCH SIDES AT THE CONTRACTORS OPTION.
2. NO AREA REQUIRING ASPHALT CONCRETE SURFACING REPAIR SHALL REMAIN UNPAVED FOR MORE THAN FIVE WORKING DAYS FOLLOWING INITIAL EXCAVATION.
3. ALL THICKNESSES ARE COMPACTED DEPTHS.
4. ACP LEVEL/DEPTH SHALL BE BASED UPON ROADWAY CLASSIFICATION.

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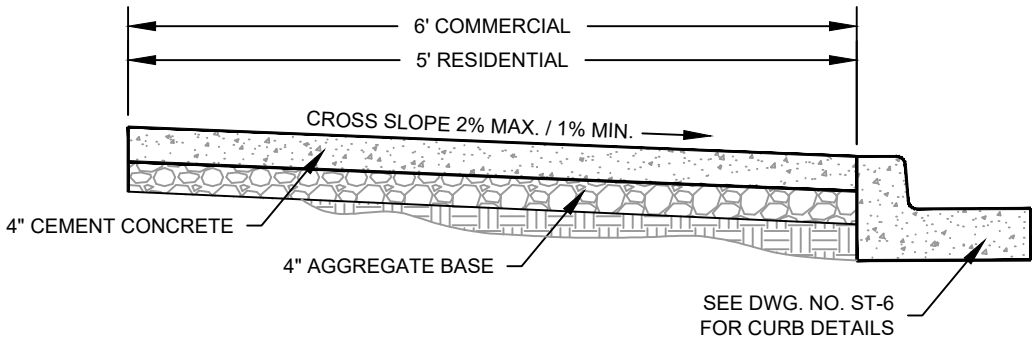
TRENCH SURFACING REPAIR

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: ST-3



NOTES:

1. JOINTS ON SIDEWALKS EVERY 5' (FEET) OR AS REQUIRED TO MATCH EXISTING IMPROVEMENTS (CUT 3/4" MIN. DEEP FOR AGGREGATE SEPARATION). THE JOINTS SHALL MATCH CURB JOINTS AND BE PERPENDICULAR TO THE CURB.
2. SIDEWALK EXPANSION JOINTS USING 1/2" MASTIC ARE REQUIRED AT 30' SPACING, ALL CURB RETURNS, THE TOP AND BOTTOM OF ALL DRIVEWAY TRANSITIONS, AND AT EXISTING CONCRETE.
3. ALL 1/2" MASTIC TO BE FULL DEPTH PENETRATION AND FLUSH WITH THE FINISHED SURFACE.
4. IF THE THREAT OF RAIN OR BLOWING SAND IS PRESENT, SURFACES SHALL BE COVERED WITH 6-MIL POLY SHEETING. IF THE THREAT OF FREEZING IS PRESENT, THE WORK SHALL BE COVERED WITH THERMAL CURING BLANKETS FOR A PERIOD OF SEVEN (7) DAYS.
5. AGGREGATE BASE AND SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 95% OF ASTM D1557.
6. HEADERBOARD BULKHEADS TO BE INSTALLED PRIOR TO FORM INSPECTION.
7. SIDEWALKS BEHIND MOUNTABLE AND DEPRESSED CURB SHALL HAVE 6" THICK CONCRETE.
8. SLOPE ALL SURFACES (I.E. LANDSCAPE WHERE DETACHED SIDEWALK) AT 2% FROM RIGHT OF WAY TO BACK OF CURB.
9. SIDEWALKS MUST MEET ADA REQUIREMENTS. COMPLY WITH ALL RD700 AND RD900 SERIES OF THE OREGON STANDARD DRAWINGS.

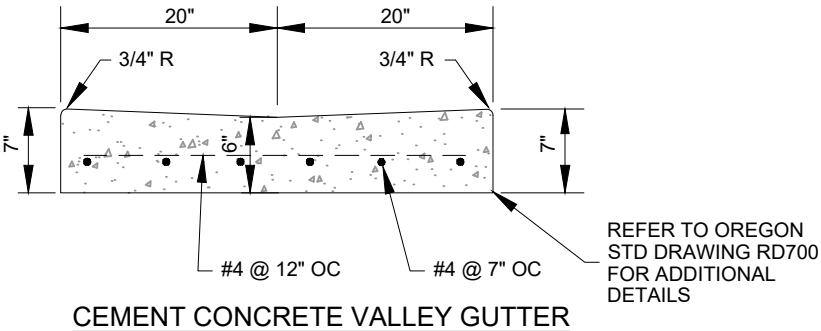
Umatilla Est. 1862

CEMENT CONCRETE SIDEWALK

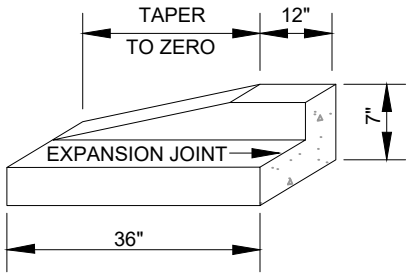
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

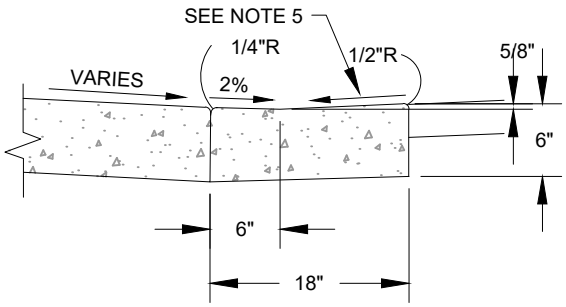
DWG: ST-4



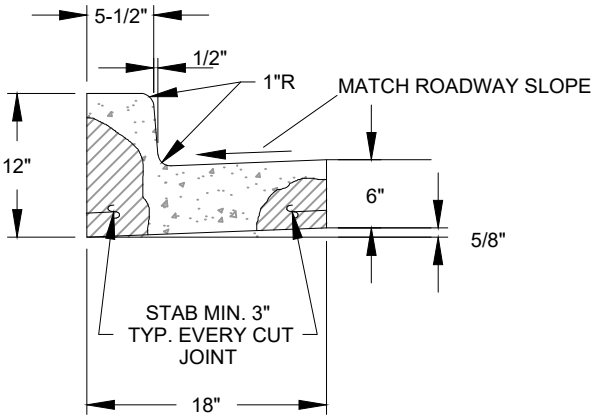
CEMENT CONCRETE VALLEY GUTTER



CURB TERMINAL END



TYPE "D" DEPRESSED CURB AND GUTTER AT DRIVEWAY DROP AND ADA RAMPS



TYPE "A" BARRIER CURB AND GUTTER

NOTES:

1. CONCRETE SHALL BE PER THE SPECIFICATIONS.
2. CUT JOINTS SHALL BE 10'-0" O/C.
3. EXPANSION MATERIAL (3/8" MASTIC) SHALL BE PLACED AT ALL CURB RETURNS.
4. BONDING AGENT TO BE FOUR (4) PARTS PORTLAND CONCRETE SLURRY TO ONE (1) PART DAYTON SUPERIOR J-40, OR APPROVED EQUAL.
5. MATCH ROADWAY SLOPE. MAXIMUM COUNTER SLOPE SHALL BE 5.0%.
6. VALLEY GUTTER SHALL BE IN ACCORDANCE WITH OREGON STD DRAWING RD700

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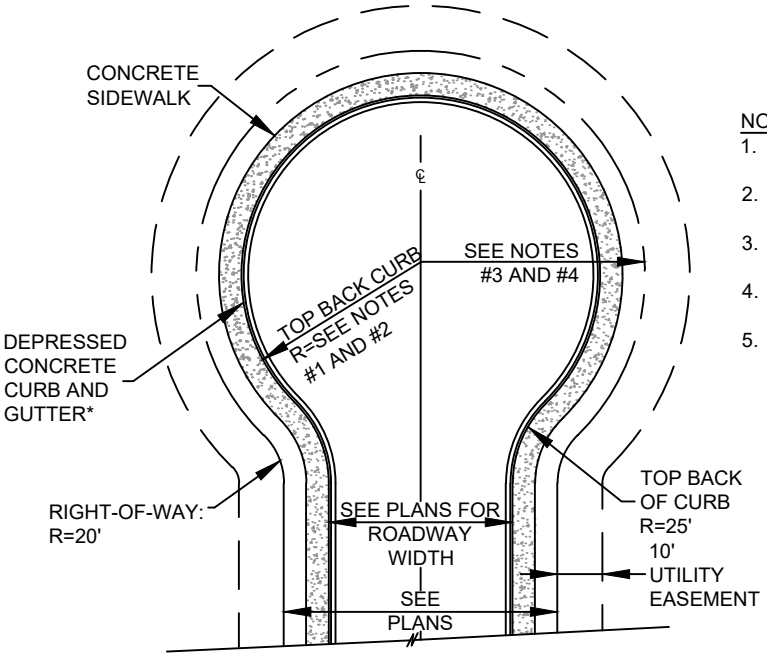
CEMENT CONCRETE CURBS

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: ST-6



NOTES:

1. CUL-DE-SAC STREETS SHALL BE A MAXIMUM OF 600 FEET IN LENGTH.
2. COMMERCIAL/INDUSTRIAL INSIDE RADIUS SHALL BE 45 -FT.
3. RESIDENTIAL INSIDE RADIUS SHALL BE 40-FT.
4. COMMERCIAL/INDUSTRIAL R/W RADIUS 55' R
5. RESIDENTIAL R/W RADIUS 50' R

NOTE:

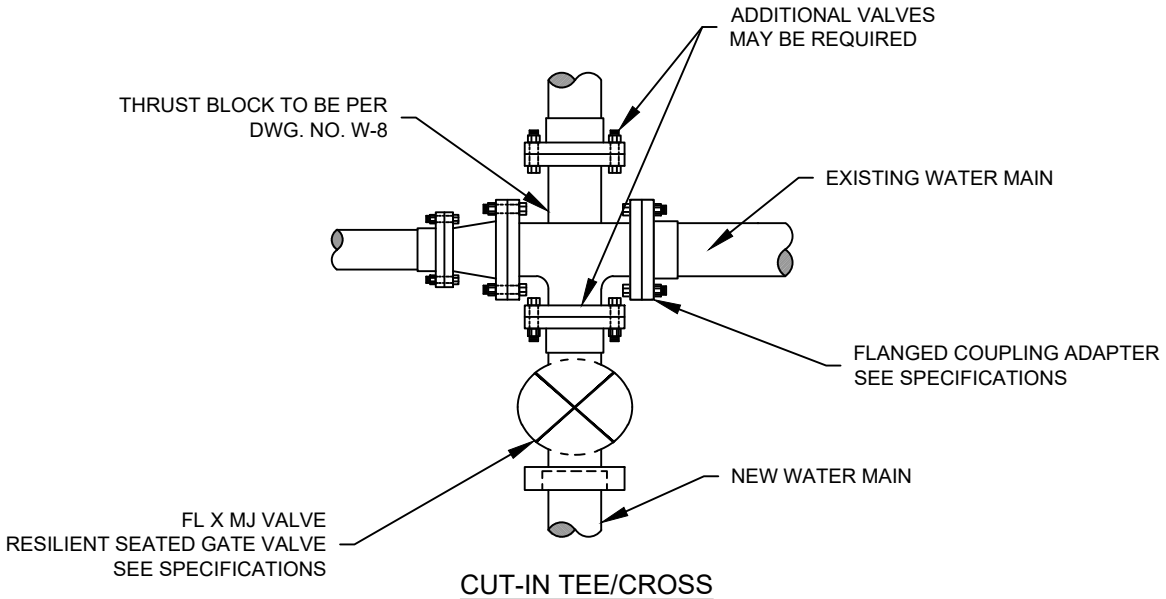
ALL ASPHALT AND ROCK DIMENSIONS SHALL BE MINIMUM THICKNESS, COMPACTED DEPTHS.

CUL–DE–SAC

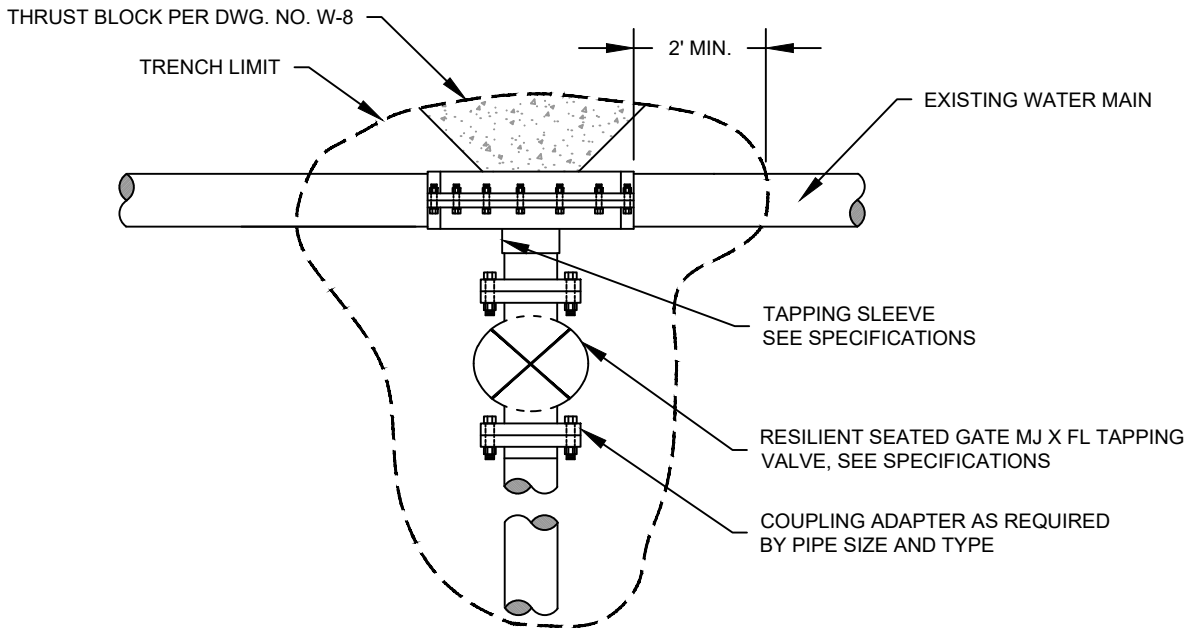
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: ST–7



CUT-IN TEE/CROSS



TAPPING SLEEVE AND VALVE

NOTES:

1. CONTRACTOR TO DIG & VERIFY PIPE SIZE AND MATERIAL PRIOR TO ORDERING MATERIALS.
2. MATERIALS TO BE ON THE JOB PRIOR TO SCHEDULING SHUTDOWNS OR TAPS.
3. MAXIMUM TAP TO EXISTING LINE NOT TO EXCEED 50% OF MAIN DIAMETER ON A.C. OR P.V.C. PIPE, EXCEPT C900/905.
4. FOR D.I., C.I. STEEL AND C-900/905 SIZE ON SIZE TAPPING TEES AND SADDLES ON MAINS SHALL BE TAPPED 1/2" UNDERSIZED.
5. ONCE IN SERVICE, WATER SHALL NOT BE TURNED OFF WITHOUT APPROVAL FROM CITY ENGINEER OR CITY FIELD DIVISION MANAGER.
6. IF WATER MAIN IS LESS THAN 6" DIAMETER, A CUT-IN TEE SHALL BE USED.

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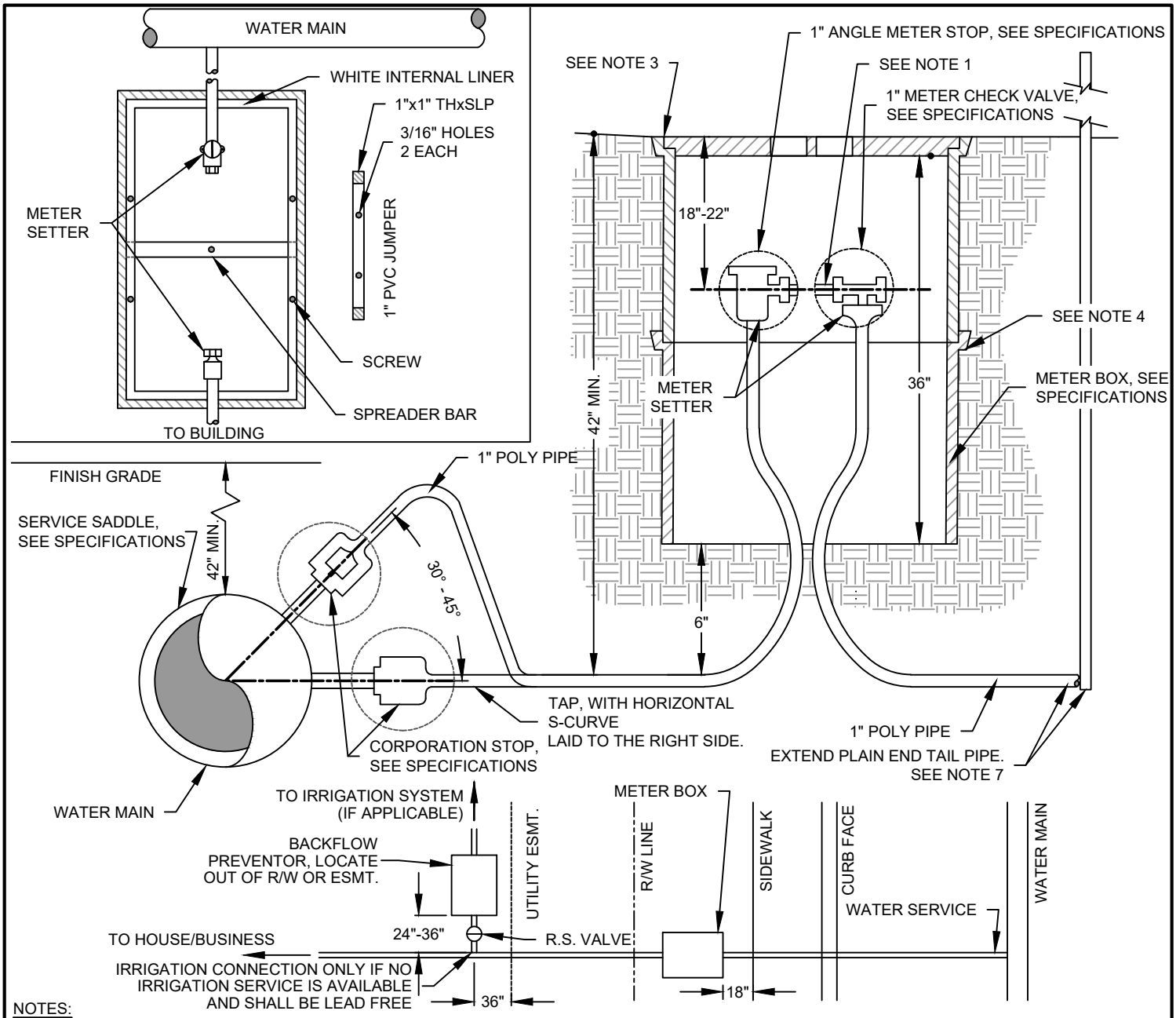
TAPPING WATER MAIN

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-1



NOTES:

1. IF METER NOT INSTALLED, A PVC JUMPER CUT TO THE SIZE AND THREAD OF THE APPROPRIATE SERVICE SHALL BE PLACED BETWEEN ANGLE METER STOP AND METER CHECK VALVE. DRILL TWO 3/16" HOLES IN JUMPER.
2. SEE DWG. W-20 FOR BEDDING.
3. BOXES TO BE SET PERPENDICULAR TO THE STREET, TOP OF BOX LEVEL WITH TOP BACK OF SIDEWALK.
4. ATTACH THE TWO BOX SECTIONS TOGETHER WITH #14 X 2-1/2" HEX WASHER HEAD ZINC COATED SELF TAPPING SCREW AT 2 EQUALLY SPACED LOCATIONS ON THE LONG SIDE. SPREADER BAR TO BE BETWEEN THE TWO BOXES.
5. ALL SERVICE CONNECTIONS TO WATER MAIN, EXCEPT TO DUCTILE IRON PIPE CLASS 52 OR STRONGER SHALL BE MADE USING SADDLES AS SPECIFIED AND BE OF THE SIZE AND TYPE SUITABLE FOR USE WITH THE PIPE BEING INSTALLED.
6. WATER SERVICE TAIL PIECE SHALL BE EXTENDED TO THE PROPERTY LINE OR EASEMENT LINE, WHICHEVER IS FURTHER, AND MARKED WITH AN 8' TREATED 2x4 INSIDE AN 8' STEEL STUD, PAINTED BLUE, EXTENDING 36-48" ABOVE FINISHED GROUND SURFACE. MARKER BOARD TO BE CUT OFF FLUSH WITH THE GROUND IN ALREADY ESTABLISHED AREAS.
7. WATER METER BOX TO HAVE 18" CLEARANCE FROM ANY CONCRETE OR ASPHALT DRIVEWAY, SIDEWALK, ETC.
8. DO NOT BURY ANGLE METER STOP BEFORE INSTALLING METER BOX.
9. NO COUPLINGS FROM MAIN TO ANGLE METER STOP OR FROM ANGLE METER CHECK TO TERMINATION AT EASEMENT LINE.
10. SERVICE TO BE SET TO GRADE BEFORE WATER IS TURNED ON.
11. BACKFLOW PREVENTION SHALL BE A REDUCED PRESSURE BACKFLOW ASSEMBLY FOR COMMERCIAL WATER SERVICES. THIS REQUIREMENT MAY BE REDUCED OR WAIVED UPON WRITTEN REQUEST TO THE CITY ENGINEER. BACKFLOW ASSEMBLY AND FITTINGS ARE TO BE LEAD FREE.
12. PROPERTY OWNER RESPONSIBLE FOR ACCESS TO VALVE (VALVE BOX/CAN) AND FREEZE PROTECTION. SEE SPECIFICATIONS.
13. THESE BACKFLOW PREVENTION ASSEMBLY INSTALLATION STANDARDS REFLECT MINIMUM REQUIREMENTS TO COMPLY WITH OREGON HEALTH AUTHORITY REGULATIONS AND UNIFORM PLUMBING CODE. UNAPPROVED DEVIATION MAY RESULT IN THE CITY REJECTING THE INSTALLATION AND THE CERTIFICATE OF OCCUPANCY AS WELL. ALL REQUESTS FOR DEVIATION TO THESE STANDARDS MUST BE SUBMITTED IN WRITING AND APPROVED BY THE CITY'S CROSS CONNECTION SPECIALIST.

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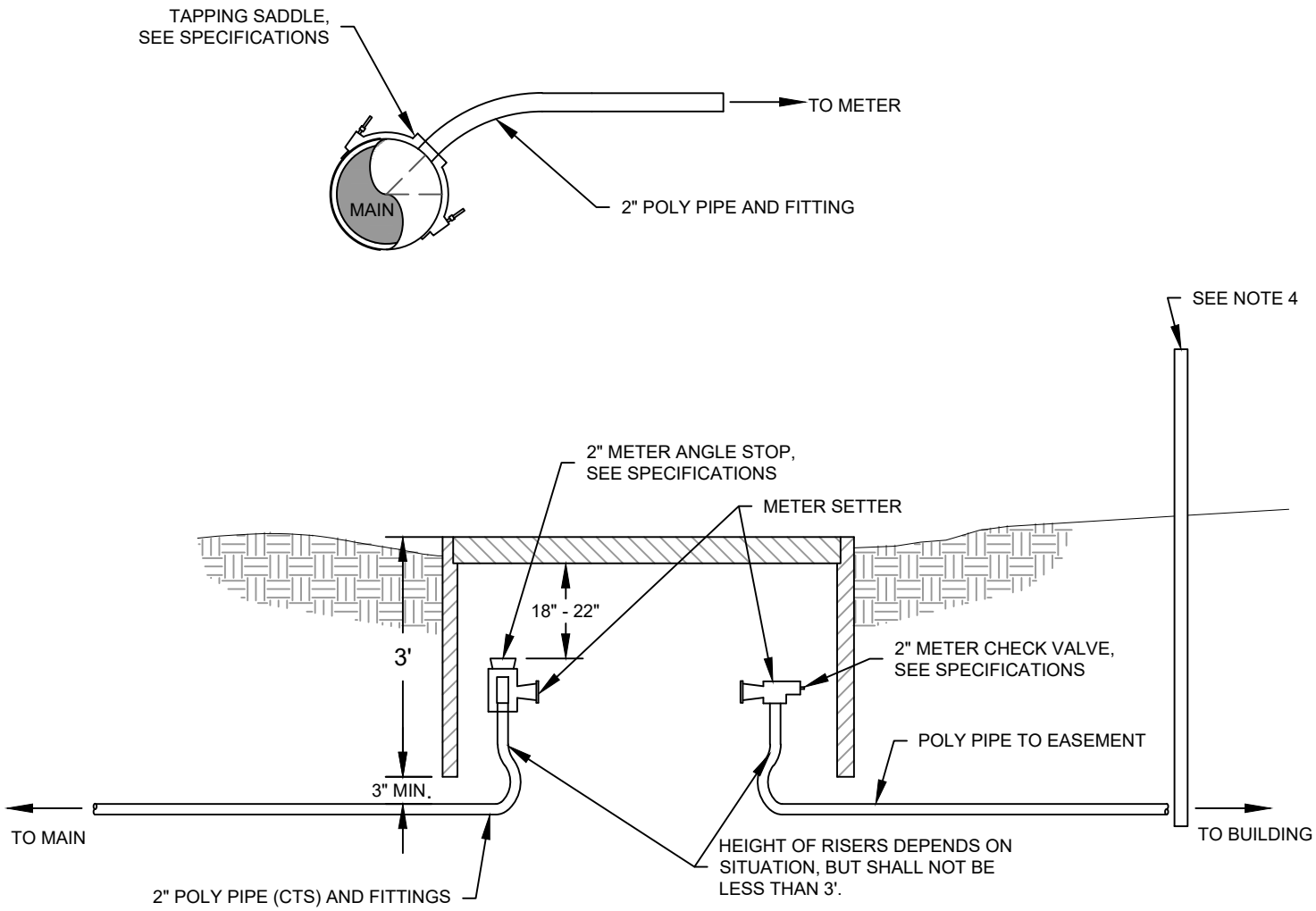
RESIDENTIAL AND 1" COMMERCIAL WATER SERVICE

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-2



NOTES:

1. IF METER NOT INSTALLED, A POLY PIPE JUMPER CUT TO THE SIZE AND THREAD OF THE APPROPRIATE SERVICE SHALL BE PLACED BETWEEN THE ANGLE METER STOP AND METER CHECK VALVE. DRILL TWO 3/16" HOLES IN JUMPER.
2. SMALLER METER SIZES REDUCED IN BETWEEN ANGLE METER STOP AND METER.
3. DO NOT BURY METER ANGLE STOP BEFORE INSTALLING METER BOX.
4. WATER SERVICE TAIL PIECE SHALL BE EXTENDED TO THE PROPERTY LINE OR EASEMENT LINE, WHICHEVER IS FURTHER, AND MARKED WITH AN 8' TREATED 2x4 INSIDE AN 8' STEEL STUD, PAINTED BLUE, EXTENDING 36-48" ABOVE FINISHED GROUND SURFACE. MARKER BOARD TO BE CUT OFF FLUSH WITH THE GROUND IN ALREADY ESTABLISHED AREAS.
5. WATER METER BOX TO HAVE 18" CLEARANCE FROM ANY CONCRETE OR ASPHALT DRIVEWAY, SIDEWALK, ETC. THE ISOLATION VALVE SHALL BE NO LESS THAN 36" FROM THE METER BOX.
6. WATER METER BOX SHALL HAVE A WHITE RESIN INTERNAL LINER.
7. BOXES ARE TO BE SET PERPENDICULAR TO THE STREET.
8. TRACER WIRE SHALL BE WRAPPED AROUND PIPE FOR LENGTH OF SERVICE TO MARKER POST.

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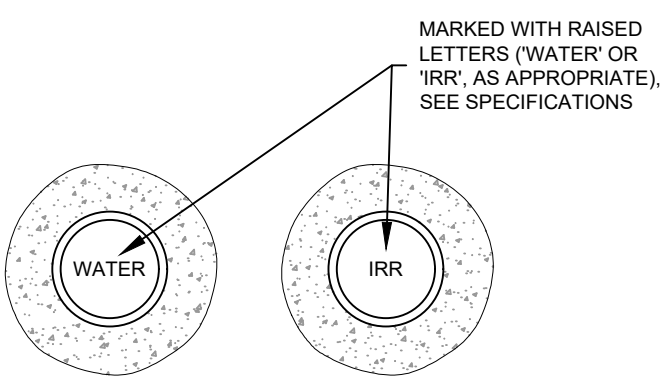
2" SERVICE INSTALLATION

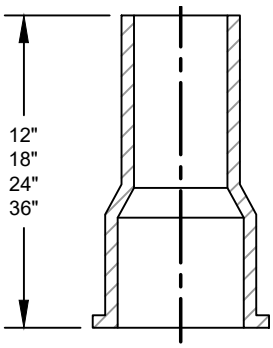
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

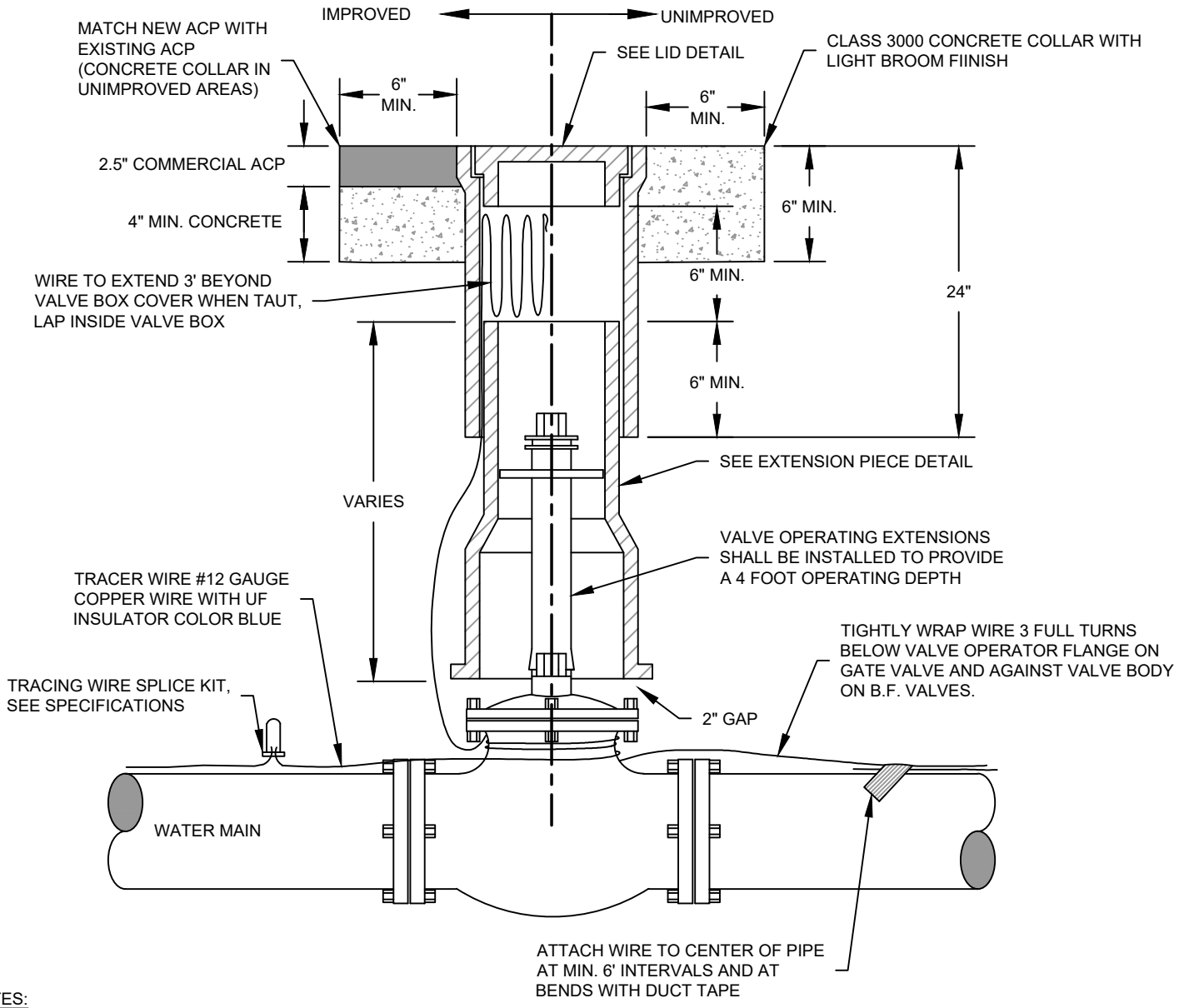
DWG: W-3



LID DETAIL



EXTENSION PIECE DETAIL



NOTES:

1. BUTTERFLY VALVES SHALL BE ORIENTED SUCH THAT THE OPERATING NUT AND VALVE BOX SHALL BE NEAR THE CENTERLINE.
2. SEE DWG. NO. W-20 FOR BEDDING.

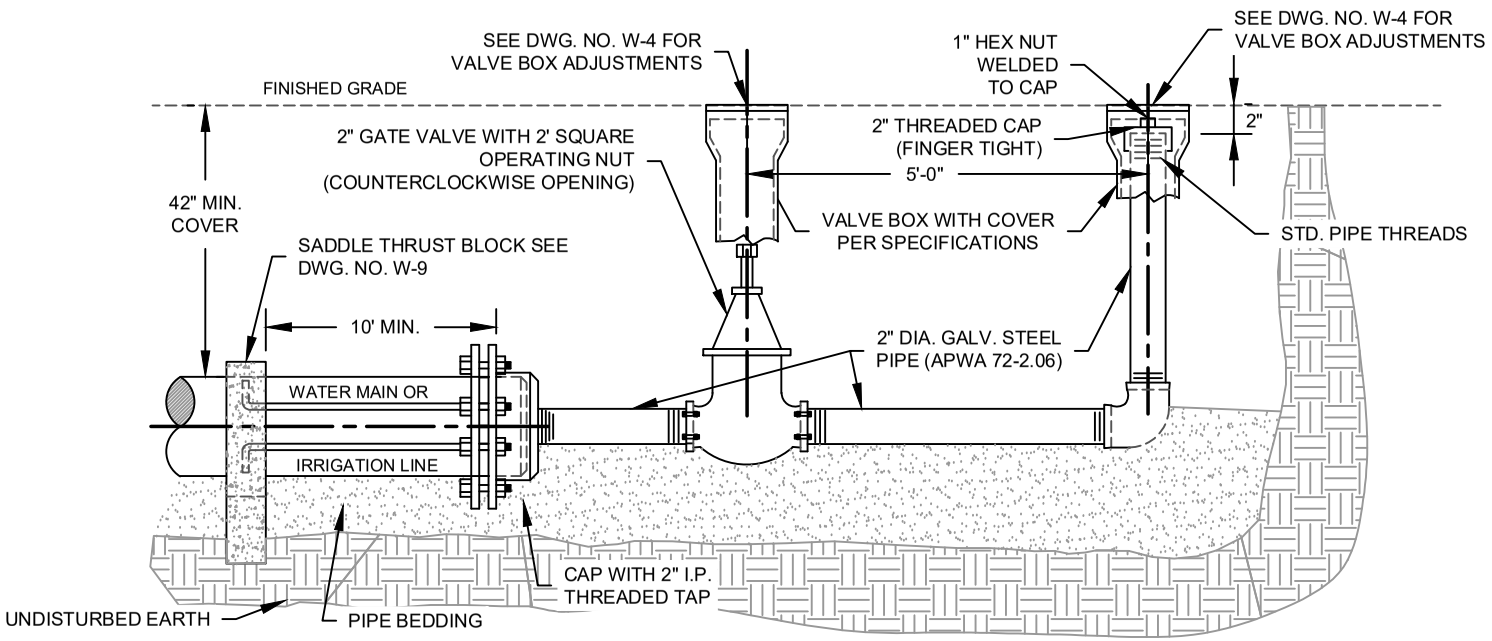
CAST IRON VALVE BOX

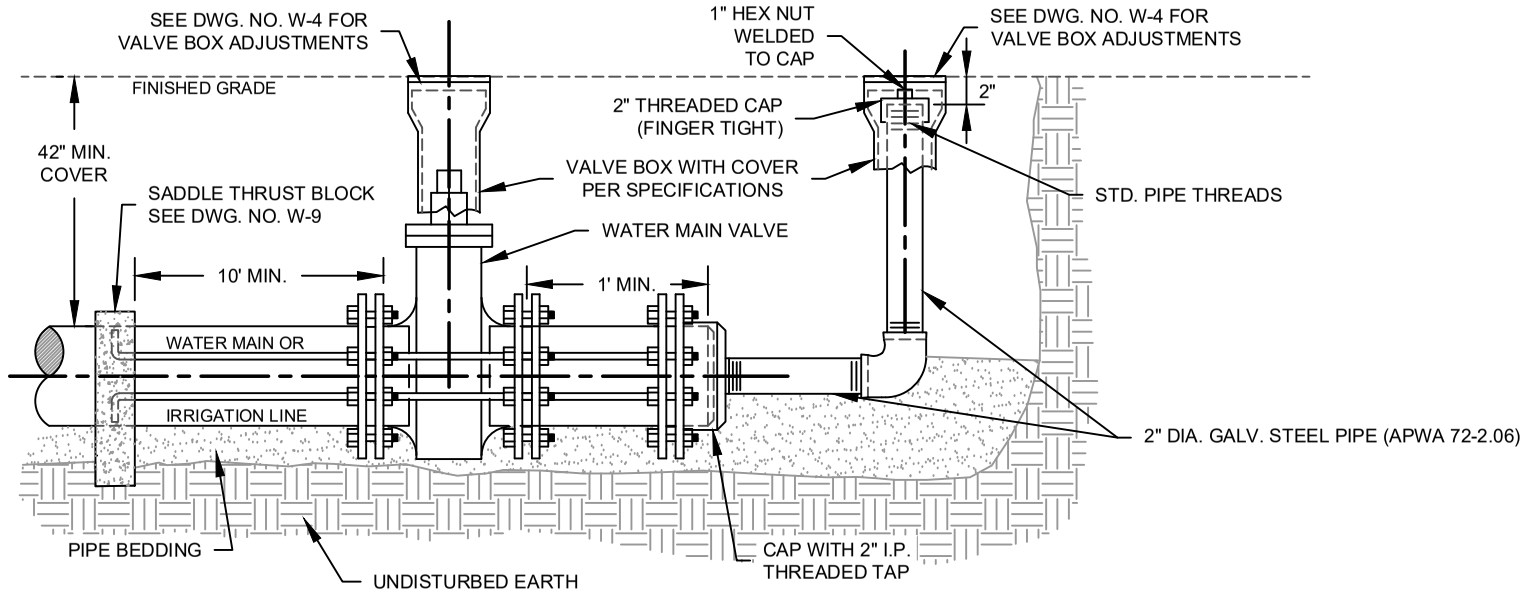
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-4

BLOW-OFF ASSEMBLY





NOTES:

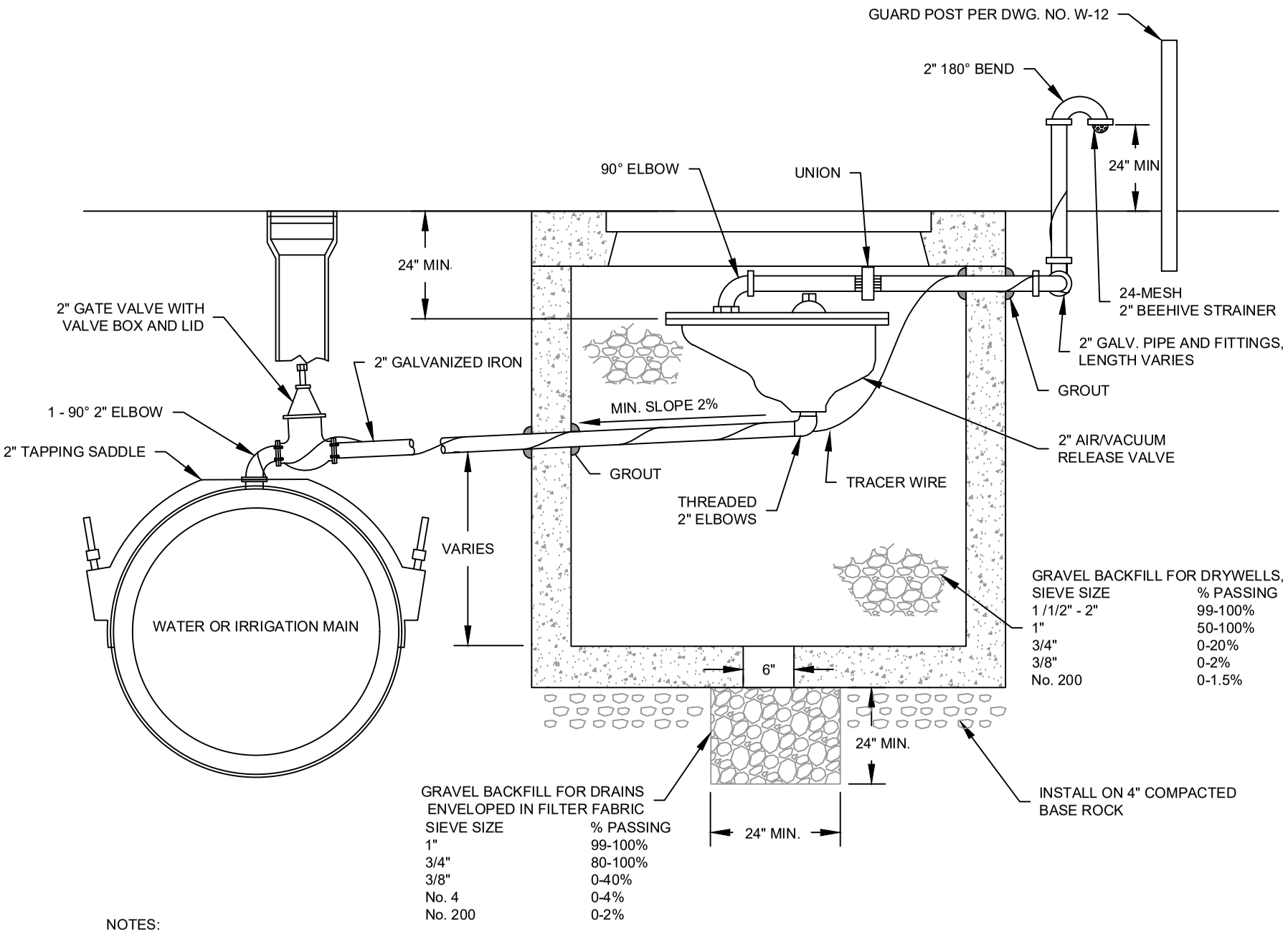
1. ON WATER MAINS WHICH WILL BE EXTENDED IN THE FUTURE, THE VALVE WHICH OPERATES THE BLOW-OFF ASSEMBLY SHALL BE THE SAME SIZE AS THE MAIN UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. THE THRUST BLOCK SHALL BE SIZED TO PROVIDE THRUST FOR THE MAIN WATER LINE.
3. JOINT RESTRAINTS AND FIELD LOK GASKETS MAY BE REQUIRED IN PLACE OF A SADDLE THRUST BLOCK OR MAY BE USED WITH PERMISSION OF THE CITY ENGINEER.

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-5

AIR/VACUUM RELIEF AND VAULT



GRAVEL BACKFILL FOR DRYWELLS,

SIEVE SIZE	% PASSING
1 /1/2" - 2"	99-100%
1"	50-100%
3/4"	0-20%
3/8"	0-2%
No. 200	0-1.5%

GRAVEL BACKFILL FOR DRAINS ENVELOPED IN FILTER FABRIC

SIEVE SIZE	% PASSING
1"	99-100%
3/4"	80-100%
3/8"	0-40%
No. 4	0-4%
No. 200	0-2%

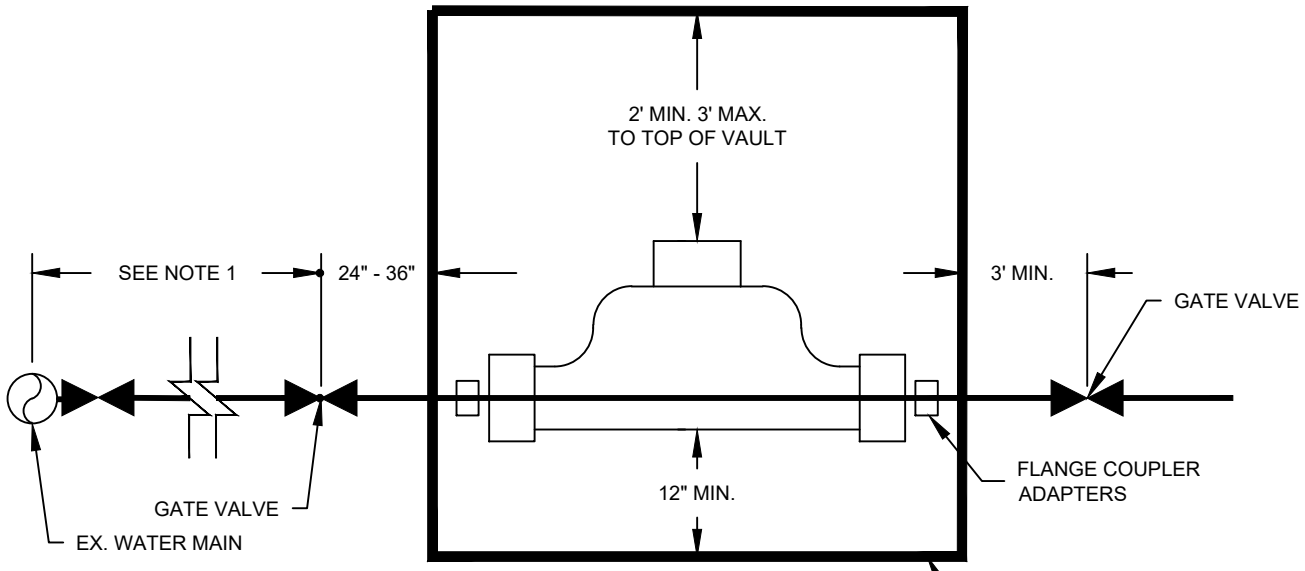
NOTES:

1. VAULTS TO BE UTILITY VAULT 444-LA (3.5'x3.5'x3.25') AND 332P LID (DIAMOND PLATE SPRING ASSISTED COVER WITH LOCKING LATCH), OR APPROVED EQUAL. DEPTH TO BE DETERMINED BY APPLICATION.
2. SEE SPECIFICATIONS FOR APPROVED AIR/VACUUM RELIEF.

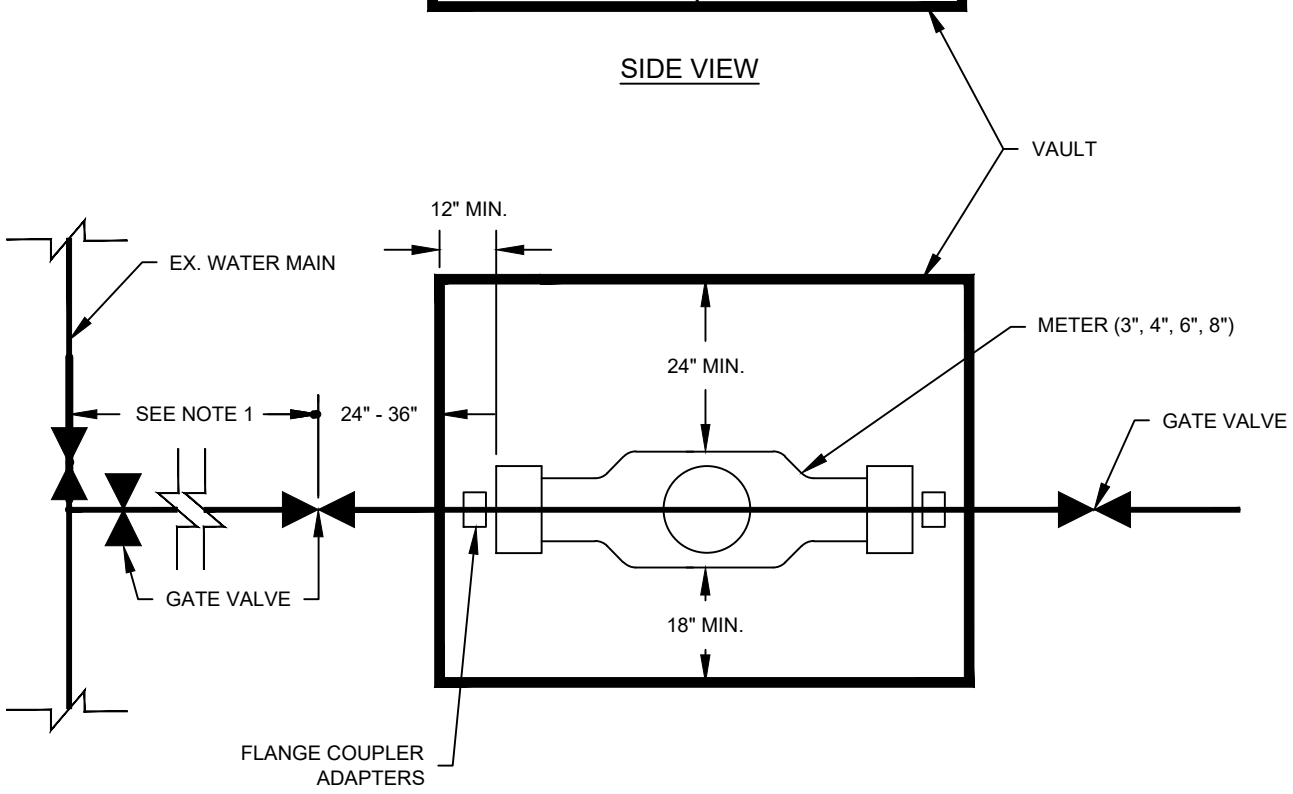
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-6



SIDE VIEW



PLAN VIEW

NOTES:

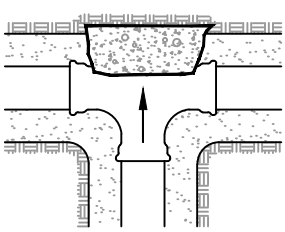
1. IF MAINLINE BRANCH VALVE IS MORE THAN 10' FROM THE VAULT, A SECOND GATE VALVE WILL BE REQUIRED.
2. VAULT REQUIREMENTS SHALL BE PER SPECIFICATIONS. SIZING SHALL BE THE RESPONSIBILITY OF THE DEVELOPER FOR REVIEW/APPROVAL BY UMATILLA WATER DEPARTMENT.
3. METERS ARE TO BE SUPPLIED AND INSTALLED BY UMATILLA WATER DEPARTMENT CREWS AFTER ALL FEES ARE PAID.

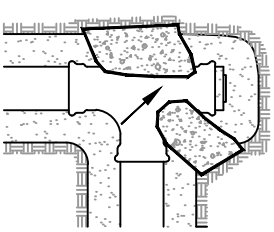
3" TO 8" WATER SERVICES

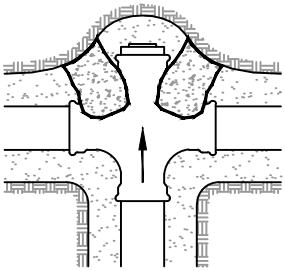
PUBLIC WORKS ENGINEERING

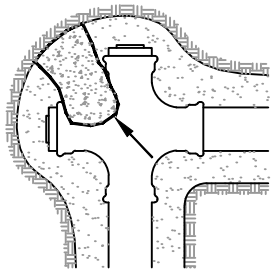
DATE: 10/5/21

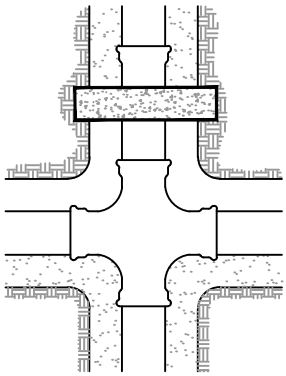
DWG: W-7



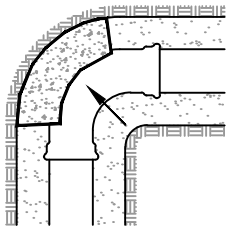


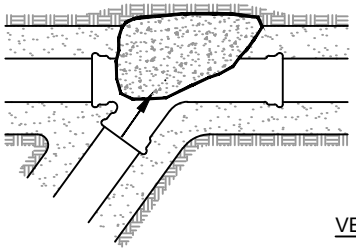


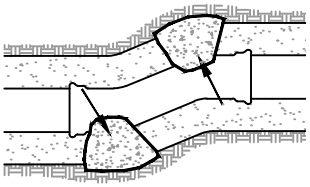




SADDLE THRUST BLOCK
SEE DWG. NO. W-9

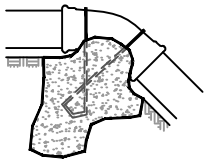






REBAR SIZE	EMBEDMENT DEPTH	HOOK SIZE
# 4	11"	6"
# 5	14"	7.5"
# 6	17"	9"
# 8	22"	12"

VERTICAL THRUST BLOCKS



	HORIZONTAL THRUST BLOCKS MIN. BEARING AREA IN SQUARE FEET				VERTICAL THRUST BLOCKS MIN. VOLUME IN CUBIC YARDS			
					45° Vertical Bend		11 1/4° & 22 1/2° Vertical Bend	
Pipe Size in Inches	Tees, Wyes & Dead Ends	90° Bend	45° Bend	11 1/4° & 22 1/2° Bend	Min Vol	Size	Min Vol	Size
4	1	1.5	1	0.4	0.5	# 4	0.2	# 4
6	2	3	1.5	0.8	1	# 4	0.5	# 4
8	4	6	3	1.5	1.5	# 4	1	# 4
10	6	9	5	2.3	2.5	# 4	1.5	# 4
12	9	12	7	4	3.5	# 4	2	# 4
14	12	16	9	5	4.5	# 4	2.5	# 4
16	15	21	12	6	6	# 4	3	# 4
18	19	27	15	8	7.5	# 5	4	# 4
20	24	33	18	9	9	# 5	5	# 4
24	34	48	26	13	13	# 6	7	# 4

NOTES:

1. THRUST BLOCKING TO BE STRUCTURAL CONCRETE PER SPECIFICATIONS. MAX. SLUMP OF 4".
2. THE TABULATIONS ARE BASED UPON A MAXIMUM WATER PRESSURE OF 150 PSI AND A SAFE BEARING CAPACITY OF 2,000 LBS. PER SQ. FOOT ADJUST FOR OTHER VALUES OF PRESSURE.
3. KEEP CONCRETE CLEAR OF JOINTS AND ACCESSORIES.
4. ALL THRUST BLOCKS MUST BE FORMED WITH PLYWOOD OR OSB AND INSPECTED. BY CITY WATER DEPARTMENT.
5. JOINTS TO BE WRAPPED POLYETHYLENE 3 MIL.
6. MECHANICALLY RESTRAINED PIPE AND FITTINGS MAY BE USED IN LIEU OF THRUST BLOCKING, SEE UMATILLA SPECIFICATIONS 01140.44

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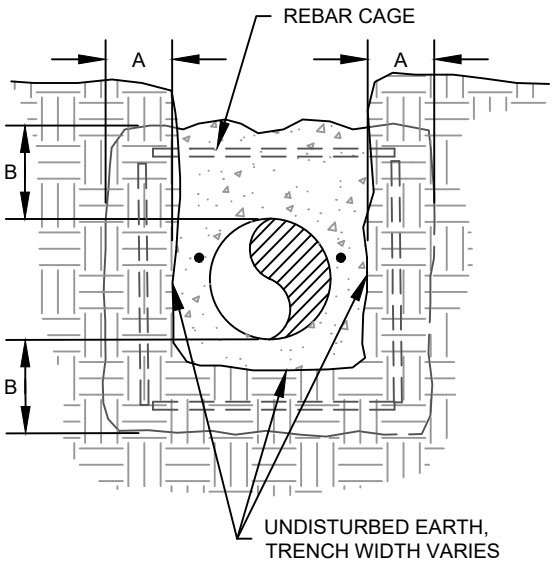
CONCRETE THRUST BLOCKING

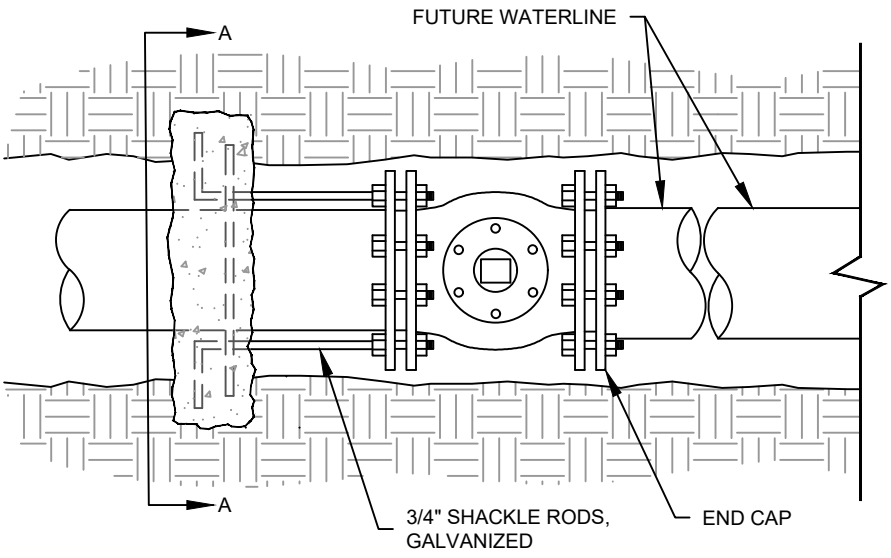
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

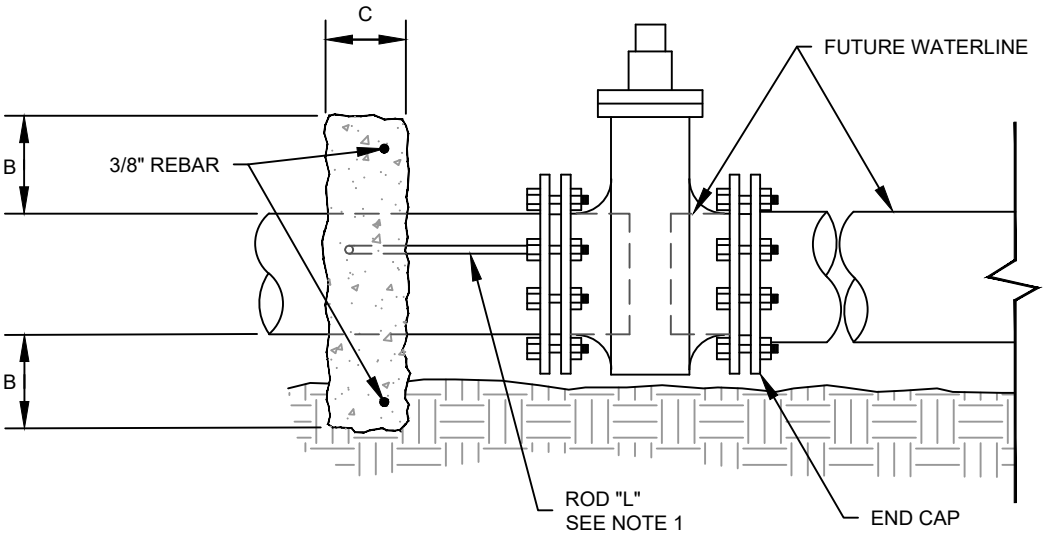
DWG: W-8



SECTION A - A



TOP VIEW



SIDE VIEW

PIPE DIAMETER	SHACKLE RODS REQUIRED	BEARING AREA(SF)	DIMENSIONS		
			A(FT)	B(FT)	C(IN)
6" & UNDER	2	2	1	1.5	8
8"	2	4	1	1.5	8
10"	2	6	1.5	1.5	12
12"	4	9	1.5	1.5	12
16"	4	15	2	1.5	16
18"	4	19	2.5	2	20
20"	6	24	3	2	24
24"	8	34	3.5	2	24

MINIMUM BEARING AREA OF THRUST BLOCK IN SQ. FEET
(BASED ON 2,000 P.S.F. SOIL BEARING CAP)

NOTES:

1. THE LENGTH OF RODS "L" SHALL BE 10 FEET MINIMUM OR AS DIRECTED BY THE CITY ENGINEER, AND SHALL BE CONTINUOUS.
2. CONCRETE SHALL BE PER THE SPECIFICATIONS.
3. RESTRAINED JOINTS (MEGA-LUG AND/OR FIELD LOC GASKETS) MAY BE USED IN LIEU OF THRUST BLOCKS, SEE UMATILLA SPECIFICATION 01140.44

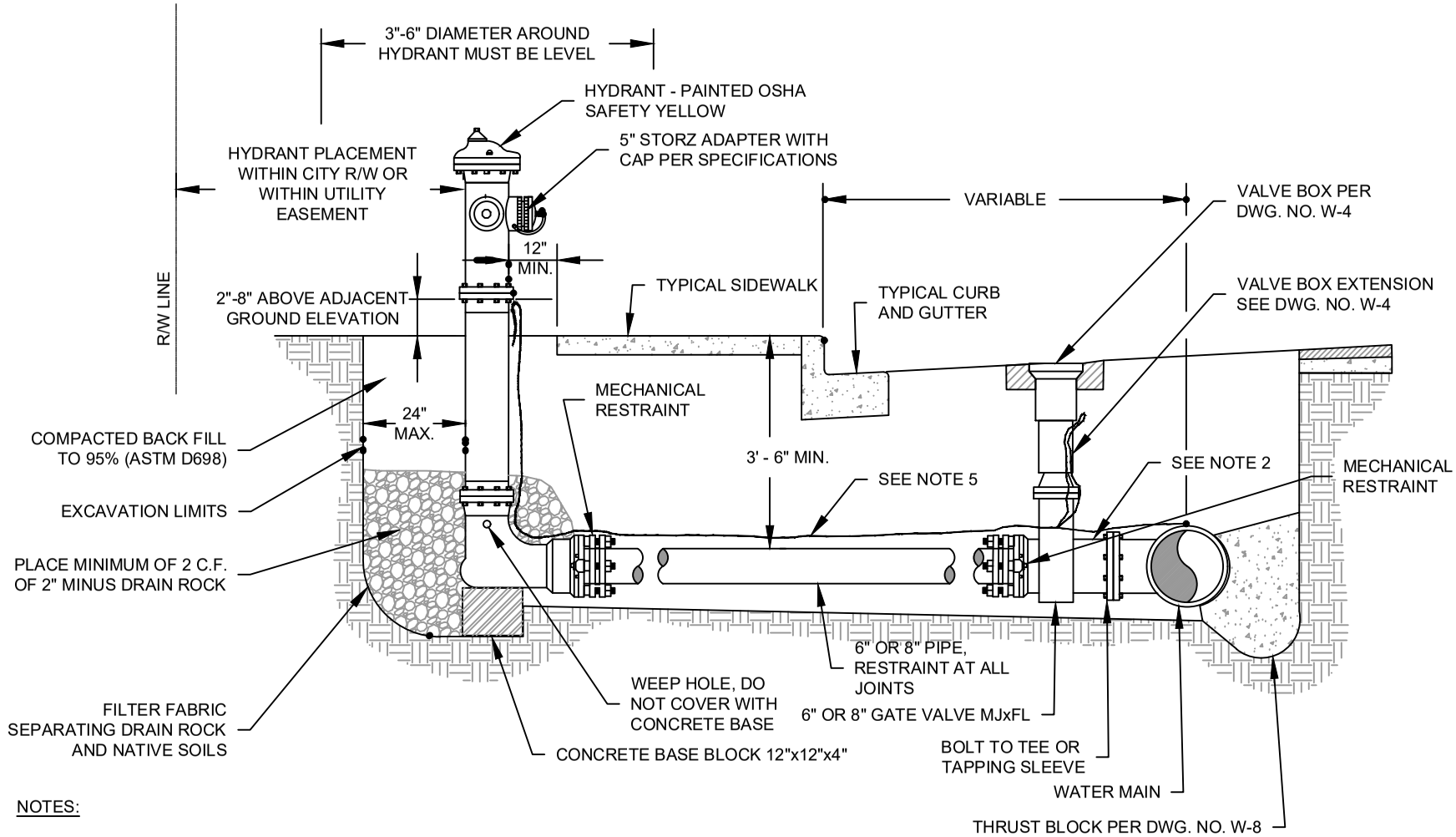
SADDLE THRUST BLOCKING

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-9

FIRE HYDRANT INSTALLATION



NOTES:

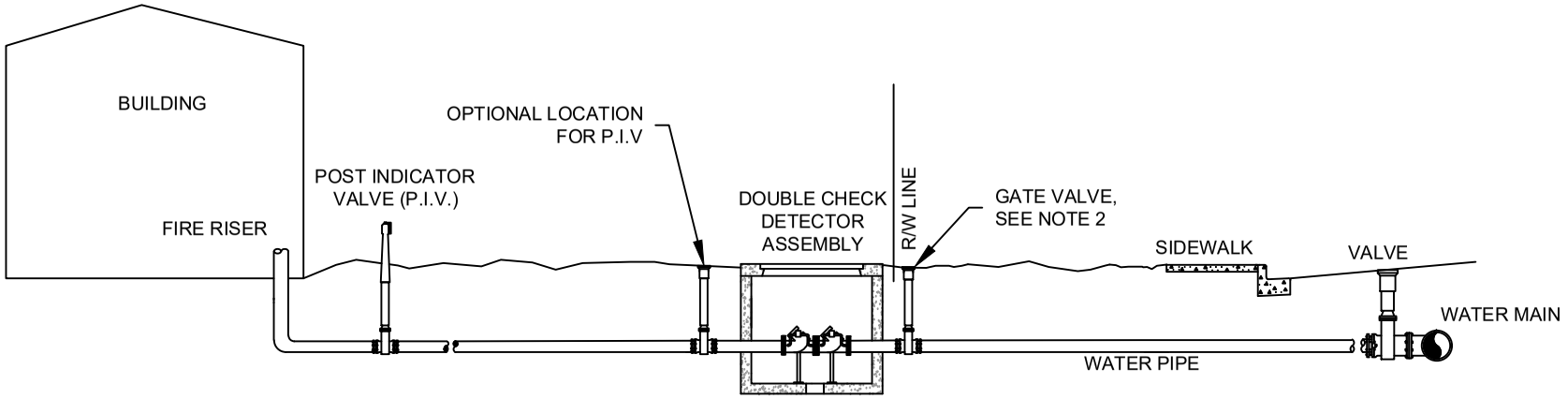
1. HYDRANTS SHALL BE PER THE SPECIFICATIONS.
2. HUB & FLANGE CASTING. (SEE SPECIFICATIONS).
3. HYDRANTS SHALL BE HOODED UNTIL OPERATIONAL.
4. HYDRANTS SHALL FACE THE STREET UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
5. TRACER WIRE FROM MAIN TO FIRE HYDRANT. (BLUE INSULATION)
6. USE OF HYDRANT EXTENSIONS MUST BE APPROVED IN WRITING BY THE CITY ENGINEER. NOT TO BE USED IN NEW INSTALLATIONS.
7. SEE BOLLARD REQUIREMENTS DWG. NO. W-12.
8. REMOVE CHAINS FROM CAPS. STORZ CABLE TO REMAIN.
9. WHEN PLACED ADJACENT TO CURB,HYDRANT PORT SHALL BE 24" FROM FACE OF CURB.

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W–10

FIRE LINES / BACKFLOW



FIRE SPRINKLER SYSTEM LINE

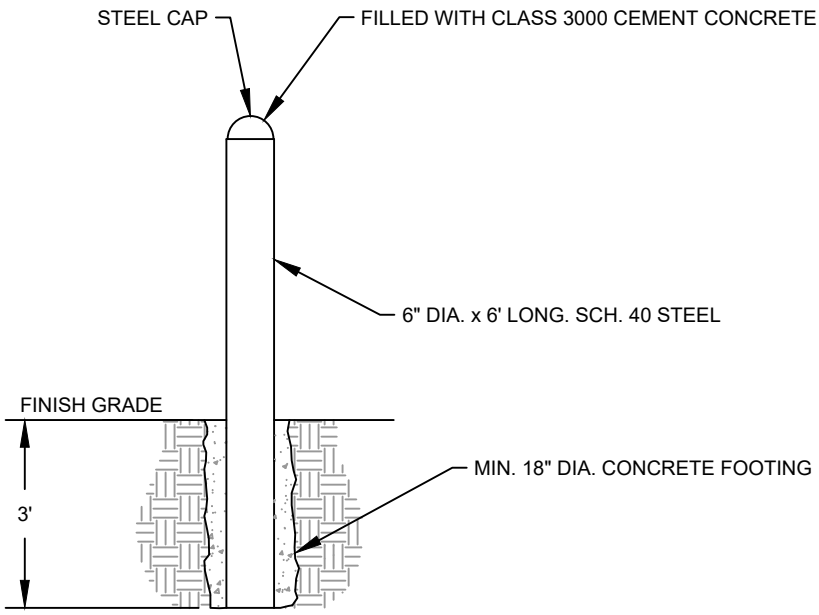
NOTE:

1. ALL FIRE LINES SHALL BE METERED.
2. GATE VALVE NOT REQUIRED IF VAULT IS WITHIN 10' OF VALVE AT MAIN.
3. FOR REFERENCE ONLY. SEE OREGON HEALTH AUTHORITY REQUIREMENTS FOR FURTHER BACKFLOW CLARIFICATION.
4. THESE BACKFLOW PREVENTION ASSEMBLY INSTALLATION STANDARDS REFLECT MINIMUM REQUIREMENTS TO COMPLY WITH OREGON HEALTH AUTHORITY REGULATIONS AND UNIFORM PLUMBING CODE. UNAPPROVED DEVIATION MAY RESULT IN THE CITY REJECTING THE INSTALLATION AND THE CERTIFICATE OF OCCUPANCY AS WELL. ALL REQUESTS FOR DEVIATION TO THESE STANDARDS MUST BE SUBMITTED IN WRITING AND APPROVED BY THE CITY'S CROSS-CONECTION SPECIALIST.
5. DETECTOR METER TO READ IN CUBIC FEET.
6. IF A REDUCED PRESSURE DETECTOR ASSEMBLY (RPDA) IS REQUIRED, IT SHALL BE INSTALLED PER DWG. W-18.
7. PROPERTY OWNER IS RESPONSIBLE FOR FREEZE PROTECTION.

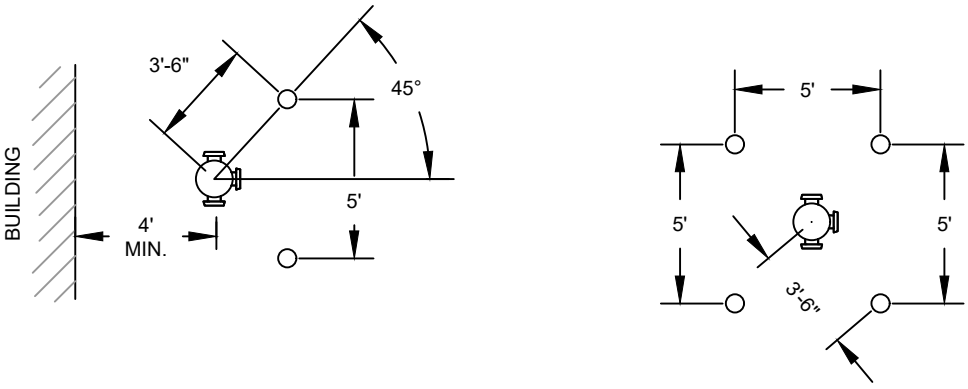
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-11



TYPICAL GUARD POST REQUIREMENTS. OTHER CONFIGURATIONS MAY BE REQUIRED BY THE CITY ENGINEER, SUBJECT TO FIELD CONDITIONS.



NOTES:

1. CENTER OF GUARD POST TO BE SET 3' - 6" FROM HYDRANT CENTER NUT.
2. GUARD POSTS OUTSIDE OF THE RIGHT-OF-WAY ARE NOT REQUIRED IF THE FACE OF A MINIMUM SIX-INCH HIGH CURB IS LOCATED A MINIMUM OF 3' - 0" HORIZONTALLY FROM THE HYDRANT CENTER NUT.
3. DO NOT INSTALL GUARD POST IN LINE WITH HYDRANT PORTS.
4. CONCRETE SHALL BE PER SPECIFICATIONS.
5. GUARD POSTS SHALL BE PLUMB.
6. GUARD POSTS SHALL BE PAINTED OSHA YELLOW.

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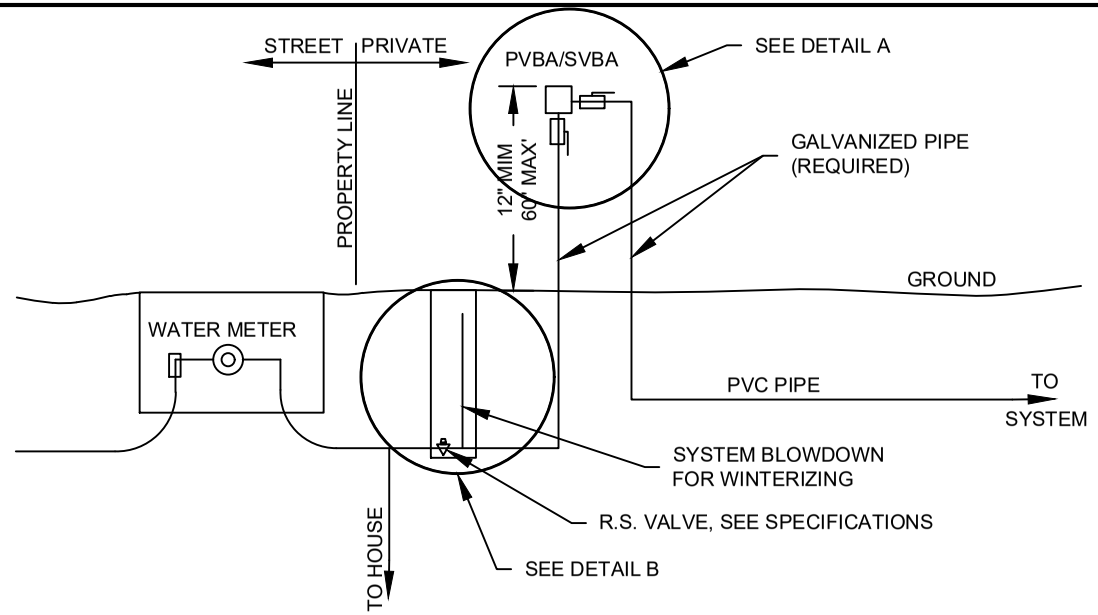
BOLLARD

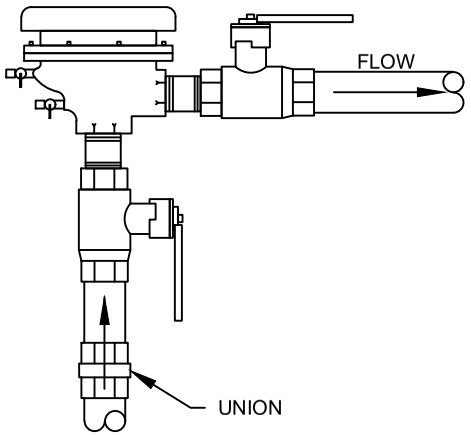
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

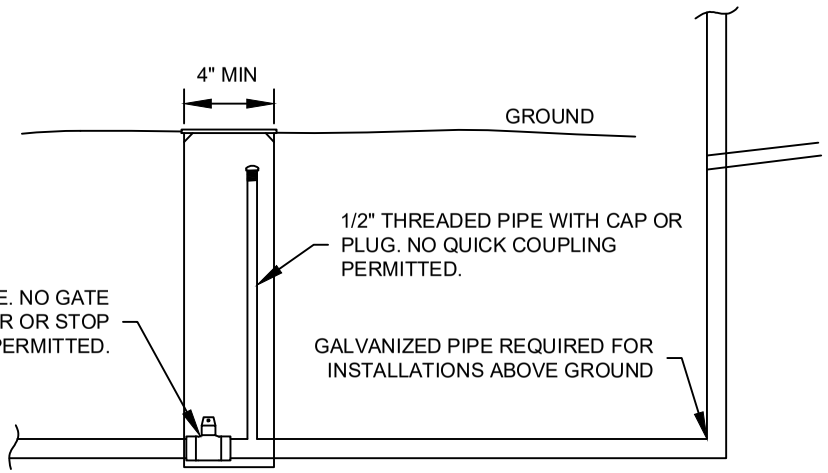
DWG: W-12

PVBA/SVBA INSTALLATION
1/2" TO 2"





DETAIL A
SCALE: NTS



DETAIL B
SCALE: NTS

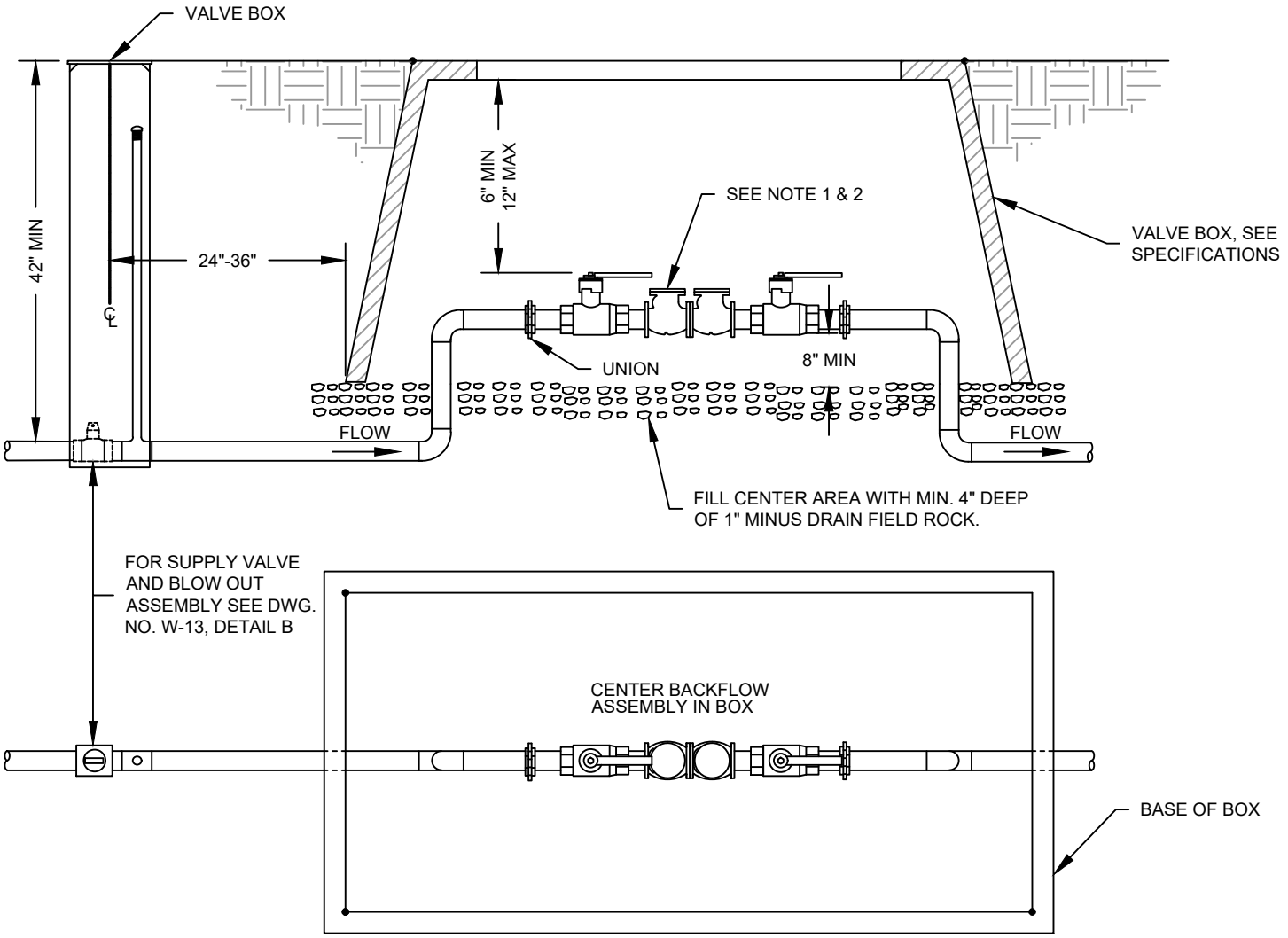
NOTES:

1. PRESSURE VACUUM BREAKER ASSEMBLY (PVBA) MAY BE INSTALLED ON LOW HAZARD POTABLE WATER SUPPLY SYSTEMS AS DETERMINED BY THE CITY OF UMATILLA CROSS CONNECTION SPECIALIST.
2. PVBA/SVBA MUST BE INSTALLED NOT LESS THAN 12" ABOVE THE HIGHEST POINT OF USE & NOT MORE THAN 60" HIGH.
3. OWNER IS RESPONSIBLE FOR FREEZE PROTECTION.
4. THE BACKFLOW ASSEMBLY IS TO BE TESTED AT THE TIME OF INSTALLATION BY A CERTIFIED TESTER APPROVED BY THE CITY UNLESS PRE-APPROVED BY THE CROSS CONNECTION SPECIALIST.
5. THE IRRIGATION SUPPLY TEE AND VALVE IS TO BE NO LESS THAN 36" OUTSIDE OF THE METER BOX ON 3/4" AND 1" SERVICES, AND SHALL BE LOCATED INSIDE PROPERTY LINE.
6. THESE BACKFLOW PREVENTION ASSEMBLY INSTALLATION STANDARDS REFLECT MINIMUM REQUIREMENTS TO COMPLY WITH OREGON HEALTH AUTHORITY REGULATIONS AND UNIFORM PLUMBING CODE. UNAPPROVED DEVIATION MAY RESULT IN THE CITY REJECTING THE INSTALLATION AND THE CERTIFICATE OF OCCUPANCY AS WELL. ALL REQUESTS FOR DEVIATION TO THESE STANDARDS MUST BE SUBMITTED IN WRITING AND APPROVED BY THE CITY'S CROSS-CONNECTION SPECIALIST.
7. TEE IS TO BE LEAD FREE.

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-13



DCVA INSTALLATION

DOUBLE CHECK VALVE ASSEMBLY FOR ASSEMBLIES 1/2" TO 2"

NOTES:

1. MUST BE ON THE LATEST USCFCCHR LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES.
2. MUST BE INSTALLED IN THE ORIENTATION AS APPROVED BY THE USC TESTING LAB & ACCEPTED BY THE DEPARTMENT OF HEALTH.
3. ASSEMBLY INSTALLATIONS ABOVE GROUND REQUIRE COPPER OR GALVANIZED PIPE WITH AT LEAST ONE UNION. INSTALLATIONS BELOW GROUND MUST HAVE TWO UNIONS.
4. FREEZE PROTECTION IS THE RESPONSIBILITY OF THE OWNER.
5. ASSEMBLIES APPROVED FOR BELOW GROUND INSTALLATION CANNOT BE SUBJECT TO FLOODING.
6. A LADDER IS REQUIRED IF ACCESS OPENING TO FLOOR EXCEEDS 36 INCHES.
7. THE BACKFLOW ASSEMBLY IS TO BE TESTED AT THE TIME OF INSTALLATION BY A CERTIFIED TESTER APPROVED BY THE CITY UNLESS PRE-APPROVED BY THE CROSS CONNECTION SPECIALIST.
8. THESE BACKFLOW PREVENTION ASSEMBLY INSTALLATION STANDARDS REFLECT MINIMUM REQUIREMENTS TO COMPLY WITH OREGON HEALTH AUTHORITY REGULATIONS AND UNIFORM PLUMBING CODE. UNAPPROVED DEVIATION MAY RESULT IN THE CITY REJECTING THE INSTALLATION AND THE CERTIFICATE OF OCCUPANCY AS WELL. ALL REQUESTS FOR DEVIATION TO THESE STANDARDS MUST BE SUBMITTED IN WRITING AND APPROVED BY THE CITY'S CROSS-CONNECTION SPECIALIST.

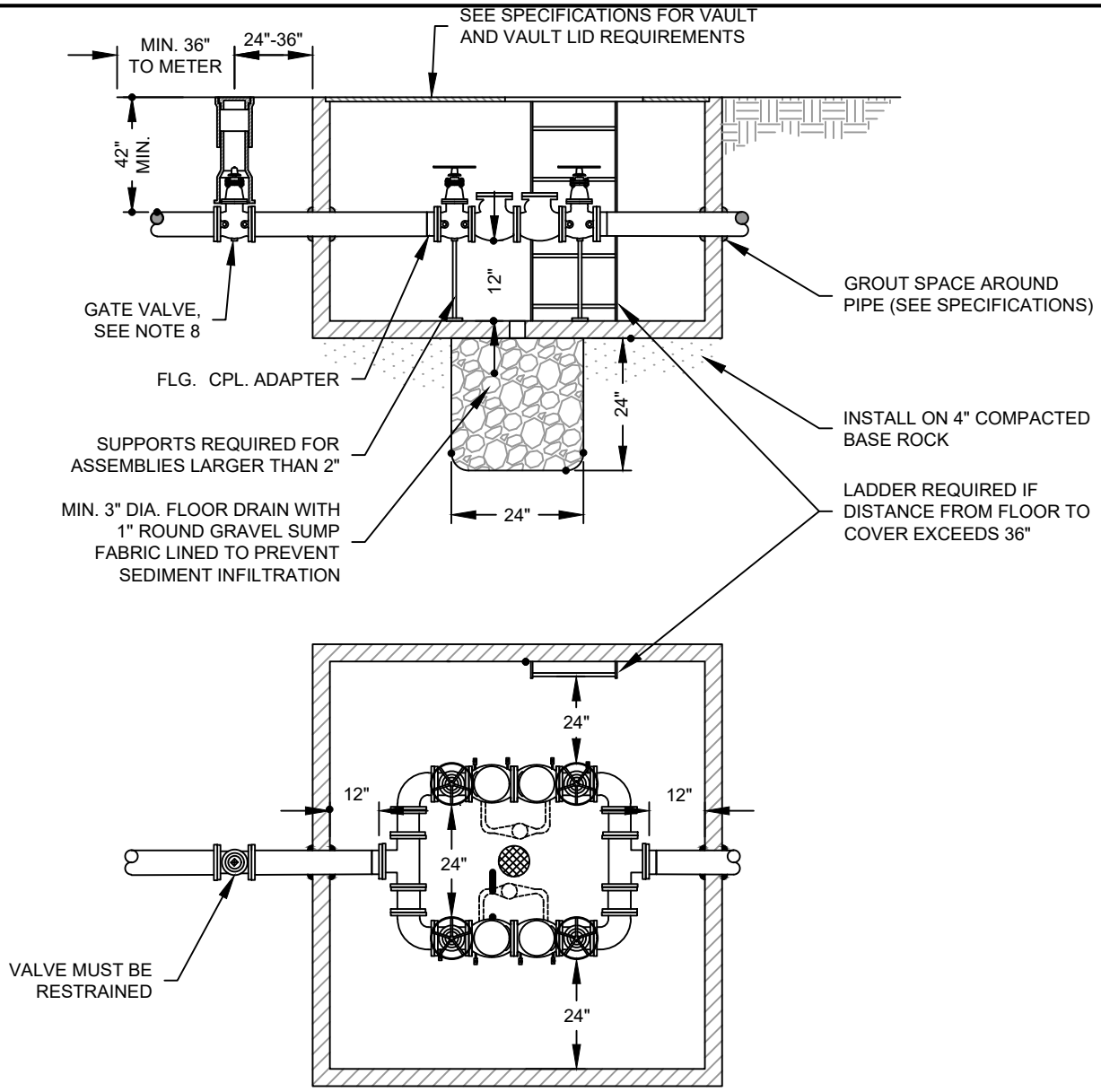
Umatilla Est. 1862

DCVA INSTALLATION 1/2" TO 2"

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-14



DCVA & DCDA DUAL INSTALLATION LARGER THAN 2"

FOR DOUBLE CHECK VALVE ASSEMBLY & DOUBLE CHECK DETECTOR ASSEMBLY LARGER THAN 2"

NOTES:

1. MUST BE ON THE LATEST USCFCCHR LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES.
2. MUST BE INSTALLED IN THE ORIENTATION AS APPROVED BY USC TESTING LAB AND ACCEPTED BY DEPT OF HEALTH.
3. FREEZE PROTECTION IS THE RESPONSIBILITY OF THE OWNER.
4. ASSEMBLIES APPROVED FOR BELOW GROUND INSTALLATION CAN NOT BE SUBJECT TO FLOODING.
5. THE BACKFLOW ASSEMBLY IS TO BE TESTED AT THE TIME OF INSTALLATION BY A CERTIFIED TESTER APPROVED BY THE CITY UNLESS PRE-APPROVED BY THE CROSS CONNECTION SPECIALIST.
6. ALL VAULT WALL PENETRATIONS ARE TO BE GROUTED INSIDE AND OUT.
7. IF MAIN VALVE IS LOCATED WITHIN 10' OF THE VAULT, THIS VALVE IS NOT REQUIRED.
8. THESE BACKFLOW PREVENTION ASSEMBLY INSTALLATION STANDARDS REFLECT MINIMUM REQUIREMENTS TO COMPLY WITH OREGON HEALTH AUTHORITY REGULATIONS AND UNIFORM PLUMBING CODE. UNAPPROVED DEVIATION MAY RESULT IN THE CITY REJECTING THE INSTALLATION AND THE CERTIFICATE OF OCCUPANCY AS WELL. ALL REQUESTS FOR DEVIATION TO THESE STANDARDS MUST BE SUBMITTED IN WRITING AND APPROVED BY THE CITY'S CROSS-CONNECTION SPECIALIST.

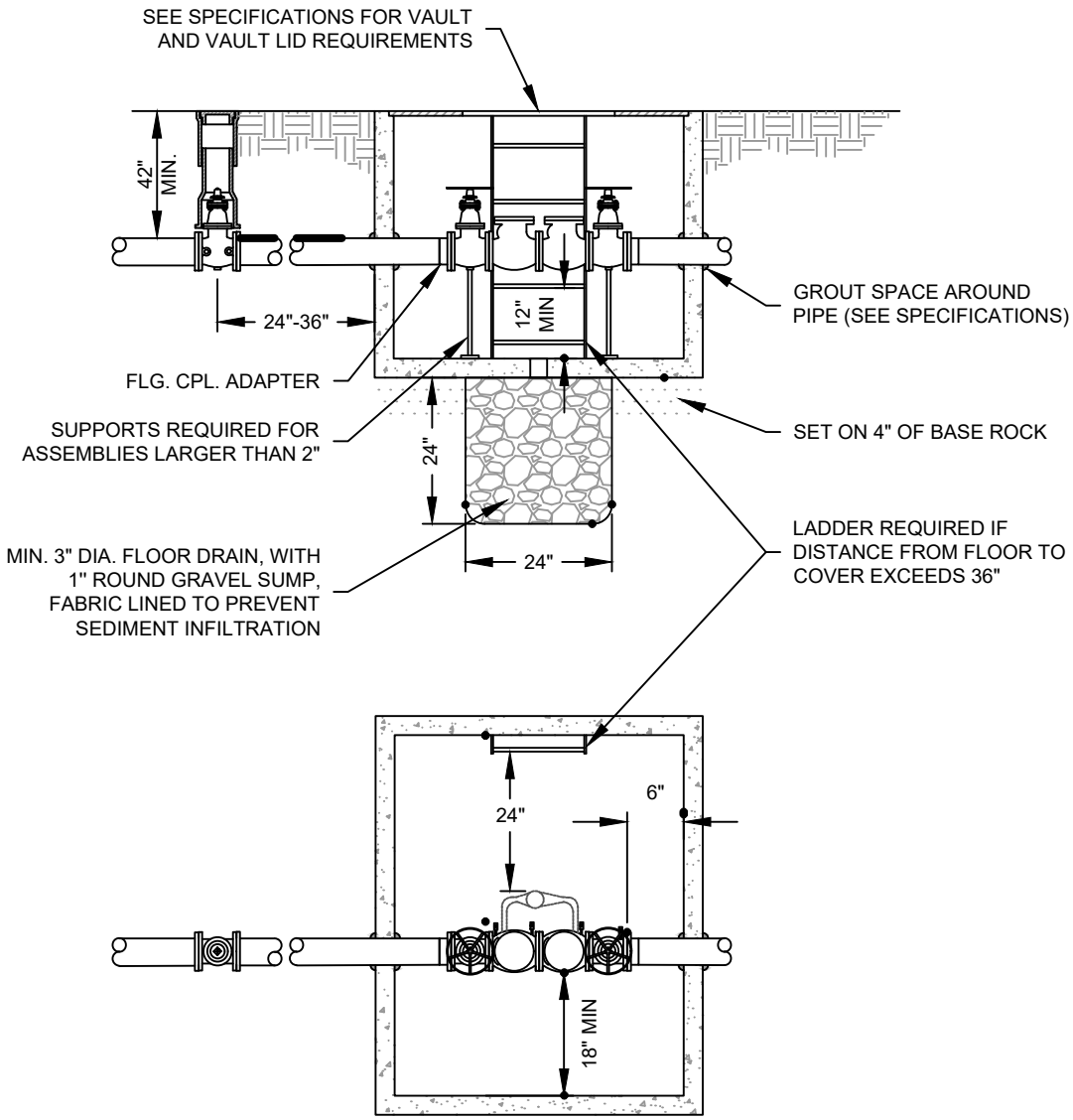
Umatilla Est. 1862

DCVA & DCDA DUAL INSTALLATION LARGER THAN 2"

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-15



DCDA & DCVA INSTALLATION LARGER THAN 2"

FOR DOUBLE CHECK DETECTOR ASSEMBLY & DOUBLE CHECK VALVE ASSEMBLY
LARGER THAN 2"

NOTES:

1. MUST BE ON THE LATEST USCFCCHR LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES.
2. MUST BE INSTALLED IN THE ORIENTATION AS APPROVED BY USC TESTING LAB AND ACCEPTED BY DEPT OF HEALTH. DETECTOR MUST READ IN CUBIC FEET.
3. FREEZE PROTECTION IS THE RESPONSIBILITY OF THE OWNER.
4. ASSEMBLIES APPROVED FOR BELOW GROUND INSTALLATION CAN NOT BE SUBJECT TO FLOODING.
5. THE BACKFLOW ASSEMBLY IS TO BE TESTED AT THE TIME OF INSTALLATION BY A CERTIFIED TESTER APPROVED BY THE CITY UNLESS PRE-APPROVED BY THE CROSS CONNECTION SPECIALIST.
6. ALL VAULT WALL PENETRATIONS ARE TO BE GROUTED INSIDE AND OUT.
7. THESE BACKFLOW PREVENTION ASSEMBLY INSTALLATION STANDARDS REFLECT MINIMUM REQUIREMENTS TO COMPLY WITH OREGON HEALTH AUTHORITY REGULATIONS AND UNIFORM PLUMBING CODE. UNAPPROVED DEVIATION MAY RESULT IN THE CITY REJECTING THE INSTALLATION AND THE CERTIFICATE OF OCCUPANCY AS WELL. ALL REQUESTS FOR DEVIATION TO THESE STANDARDS MUST BE SUBMITTED IN WRITING AND APPROVED BY THE CITY'S CROSS-CONNECTION SPECIALIST.

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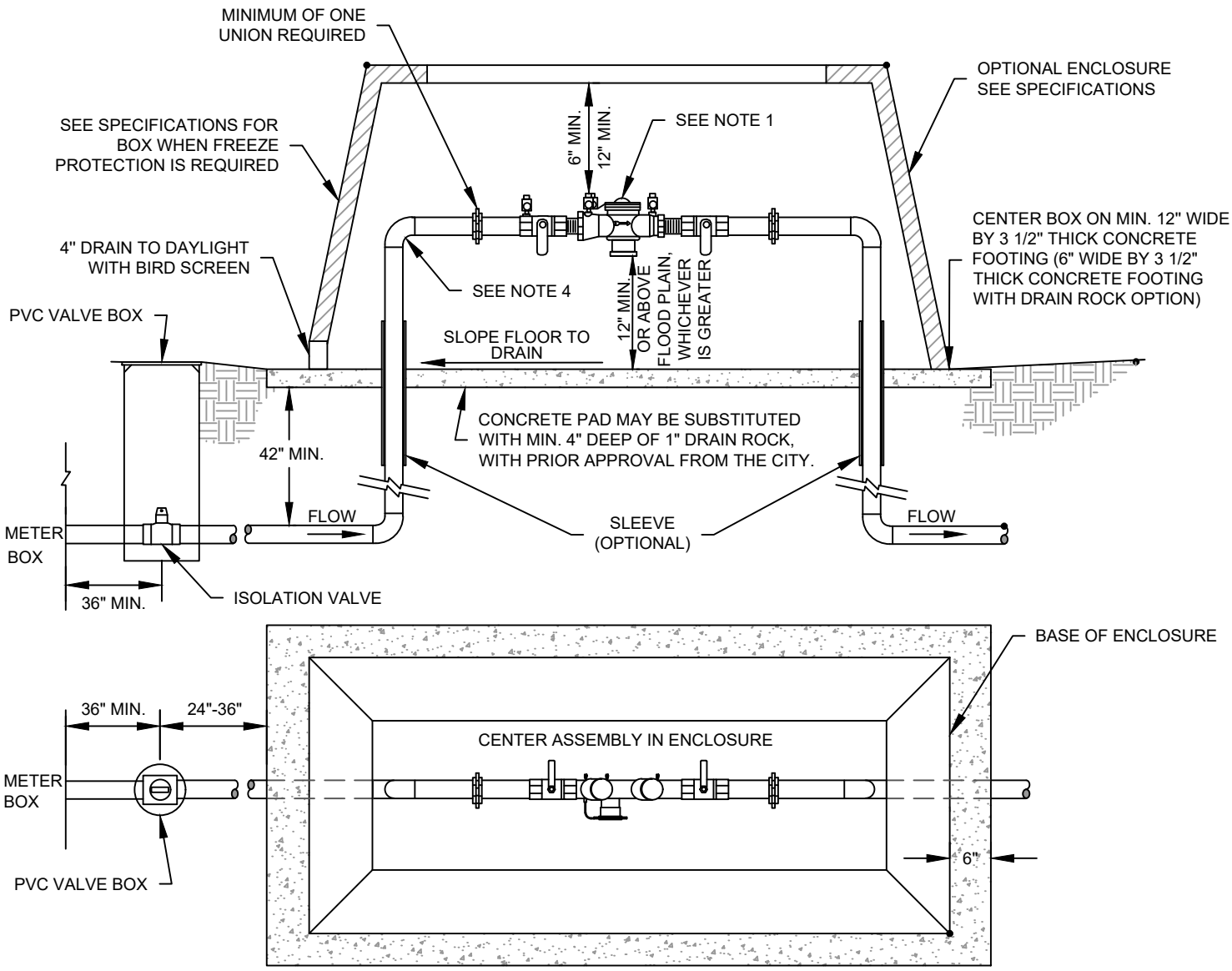
DCDA & DCVA INSTALLATION LARGER THAN 2"

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-16



RPBA INSTALLATION

FOR REDUCED PRESSURE BACKFLOW ASSEMBLY
FOR ASSEMBLIES 3/4" TO 2"

NOTES:

1. MUST BE ON THE LATEST USCFCCHR LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES.
2. MUST BE INSTALLED ABOVE GROUND, MINIMUM 12" CLEARANCE ABOVE THE FLOOD PLAIN AND IN THE ORIENTATION AS APPROVED BY USC TESTING LAB AND ACCEPTED BY DEPT OF HEALTH. THE ENCLOSURE MUST ALLOW FOR ROUTINE MAINTENANCE AND TESTING (REMOVABLE ENCLOSURE OR OPENS ON THE SIDE FOR ACCESS TO TEST COCKS).
3. ASSEMBLY INSTALLATIONS ABOVE GROUND REQUIRE COPPER OR GALVANIZED PIPE WITH AT LEAST ONE UNION. OPTIONAL PVC SLEEVE TO EXTEND 6" ABOVE AND 12" BELOW CONCRETE PAD TO ALLOW FOR SETTLEMENT OF PAD.
4. FREEZE PROTECTION IS THE RESPONSIBILITY OF THE OWNER.
5. THE BACKFLOW ASSEMBLY IS TO BE TESTED AT THE TIME OF INSTALLATION BY A CERTIFIED TESTER APPROVED BY THE CITY UNLESS PRE-APPROVED BY THE CROSS CONNECTION SPECIALIST.
6. FOR PREMISES ISOLATION, THE ENCLOSURE MUST HAVE A MINIMUM 3 1/2" CONCRETE PAD.
7. THESE BACKFLOW PREVENTION ASSEMBLY INSTALLATION STANDARDS REFLECT MINIMUM REQUIREMENTS TO COMPLY WITH OREGON HEALTH AUTHORITY REGULATIONS AND UNIFORM PLUMBING CODE. UNAPPROVED DEVIATION MAY RESULT IN THE CITY REJECTING THE INSTALLATION AND THE CERTIFICATE OF OCCUPANCY AS WELL. ALL REQUESTS FOR DEVIATION TO THESE STANDARDS MUST BE SUBMITTED IN WRITING AND APPROVED BY THE CITY'S CROSS-CONNECTION SPECIALIST.

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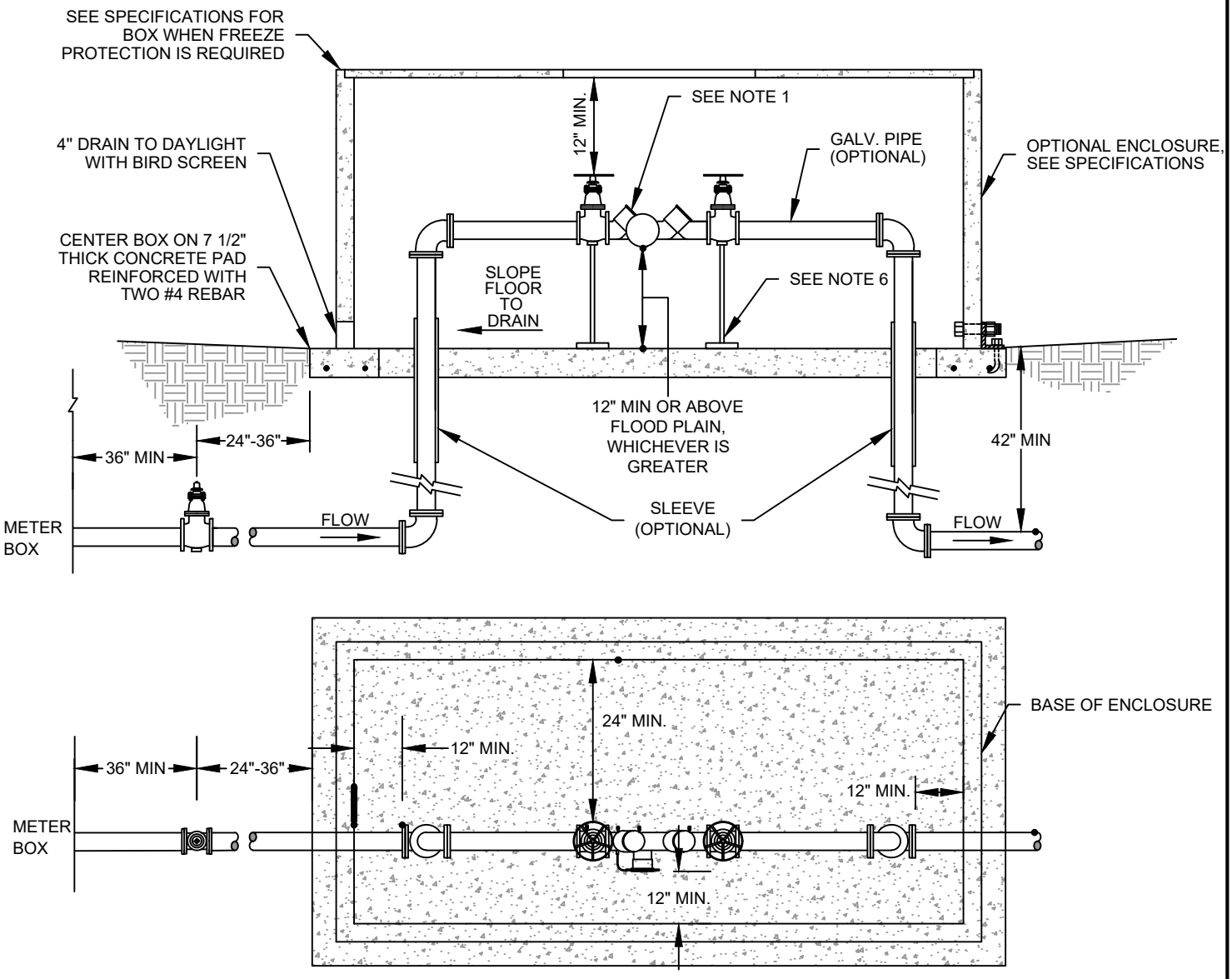
RPBA INSTALLATION 3/4" TO 2"

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-17



RPDA & RPBA INSTALLATION

FOR REDUCED PRESSURE DETECTOR ASSEMBLY & REDUCE PRESSURE BACKFLOW ASSEMBLY LARGER THAN 2"

NOTES:

1. MUST BE ON THE LATEST USCFCCHR LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES.
2. MUST BE INSTALLED ABOVE GROUND, MINIMUM 12" CLEARANCE ABOVE THE FLOOD PLAIN AND IN THE ORIENTATION AS APPROVED BY USC TESTING LAB AND ACCEPTED BY DEPT. OF HEALTH. THE ENCLOSURE MUST ALLOW FOR ROUTINE MAINTENANCE AND TESTING (REMOVABLE ENCLOSURE OR OPENS ON THE SIDE FOR ACCESS TO THE TEST COCKS).
3. OPTIONAL PVC SLEEVE TO EXTEND 6" ABOVE AND 12" BELOW CONCRETE PAD TO ALLOW FOR SETTLEMENT OF PAD.
4. FREEZE PROTECTION IS THE RESPONSIBILITY OF THE OWNER.
5. PIPE SUPPORTS ARE REQUIRED ON ASSEMBLIES OVER 2".
6. THE BACKFLOW ASSEMBLY IS TO BE TESTED AT THE TIME OF INSTALLATION BY A CERTIFIED TESTER APPROVED BY THE CITY UNLESS PRE-APPROVED BY THE CROSS CONNECTION SPECIALIST.
7. THESE BACKFLOW PREVENTION ASSEMBLY INSTALLATION STANDARDS REFLECT MINIMUM REQUIREMENTS TO COMPLY WITH OREGON HEALTH AUTHORITY REGULATIONS AND UNIFORM PLUMBING CODE. UNAPPROVED DEVIATION MAY RESULT IN THE CITY REJECTING THE INSTALLATION AND THE CERTIFICATE OF OCCUPANCY AS WELL. ALL REQUESTS FOR DEVIATION TO THESE STANDARDS MUST BE SUBMITTED IN WRITING AND APPROVED BY THE CITY'S CROSS-CONNECTION SPECIALIST.

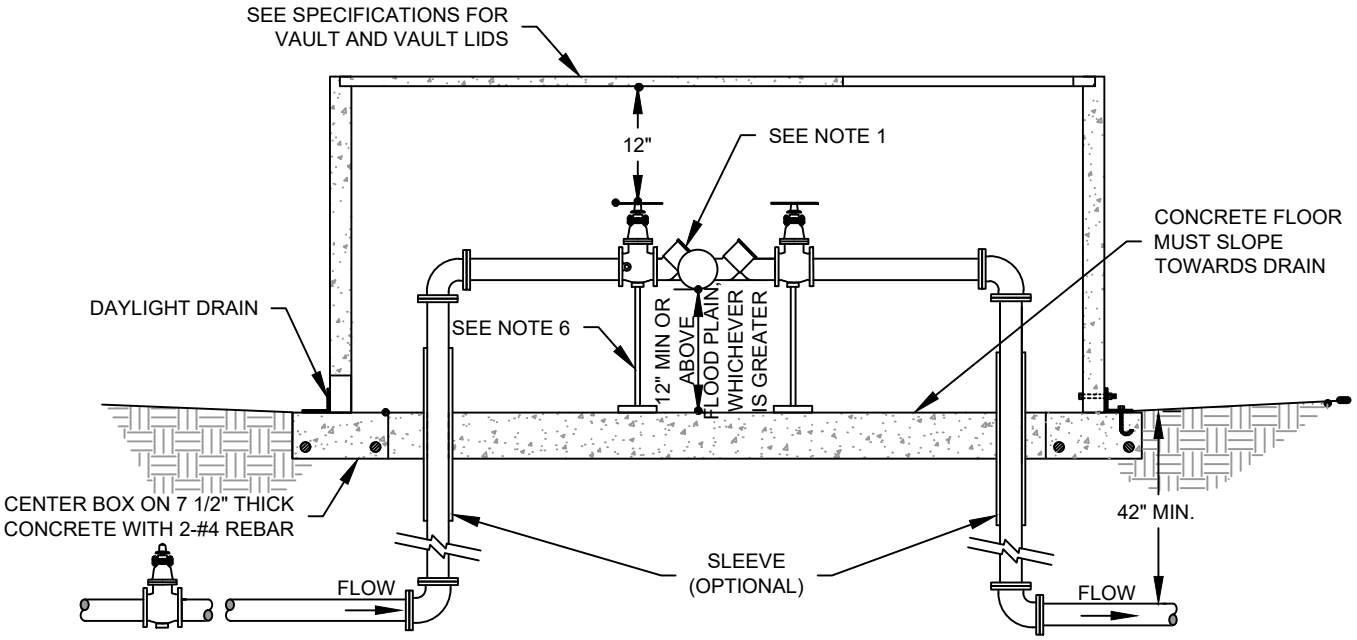
Umatilla Est. 1862

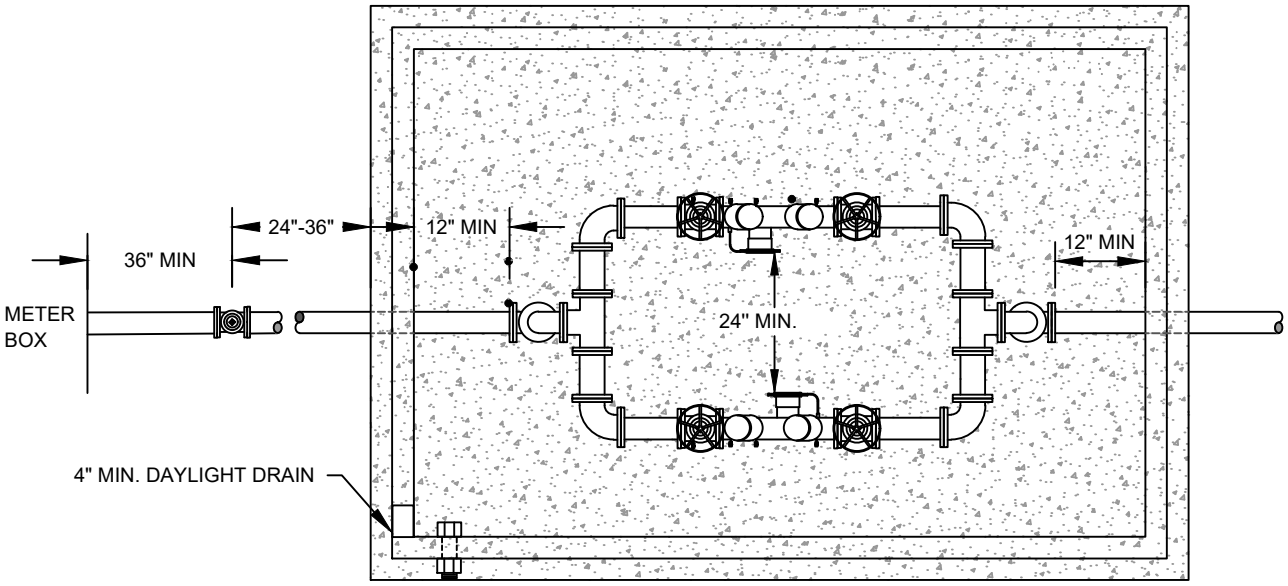
RPDA/RPBA INSTALLATION LARGER THAN 2"

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-18





RPDA & RPBA DUAL INSTALLATION

FOR REDUCE PRESSURE DETECTOR ASSEMBLY & REDUCED PRESSURE BACKFLOW ASSEMBLY LARGER THAN 2"

NOTES:

1. MUST BE ON THE LATEST USCFCCHR LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES.
2. MUST BE INSTALLED ABOVE GROUND, MINIMUM 12" CLEARANCE ABOVE THE FLOOD PLAIN (CURB) AND IN THE ORIENTATION AS APPROVED BY USC TESTING LAB AND ACCEPTED BY DEPT. OF HEALTH. THE ENCLOSURE MUST ALLOW FOR ROUTINE MAINTENANCE AND TESTING (REMOVABLE ENCLOSURE OR OPENS ON THE SIDE FOR ACCESS TO THE TEST COCKS).
3. OPTIONAL PVC SLEEVE TO EXTEND 6" ABOVE AND 12" BELOW CEMENT PAD TO ALLOW FOR SETTLEMENT.
4. FREEZE PROTECTION IS THE RESPONSIBILITY OF THE OWNER.
5. THE BACKFLOW ASSEMBLY IS TO BE TESTED AT THE TIME OF INSTALLATION BY A CERTIFIED TESTER APPROVED BY THE CITY UNLESS PRE-APPROVED BY THE CROSS CONNECTION SPECIALIST.
6. THESE BACKFLOW PREVENTION ASSEMBLY INSTALLATION STANDARDS REFLECT MINIMUM REQUIREMENTS TO COMPLY WITH OREGON HEALTH AUTHORITY REGULATIONS AND UNIFORM PLUMBING CODE. UNAPPROVED DEVIATION MAY RESULT IN THE CITY REJECTING THE INSTALLATION AND THE CERTIFICATE OF OCCUPANCY AS WELL. ALL REQUESTS FOR DEVIATION TO THESE STANDARDS MUST BE SUBMITTED IN WRITING AND APPROVED BY THE CITY'S CROSS-CONNECTION SPECIALIST.

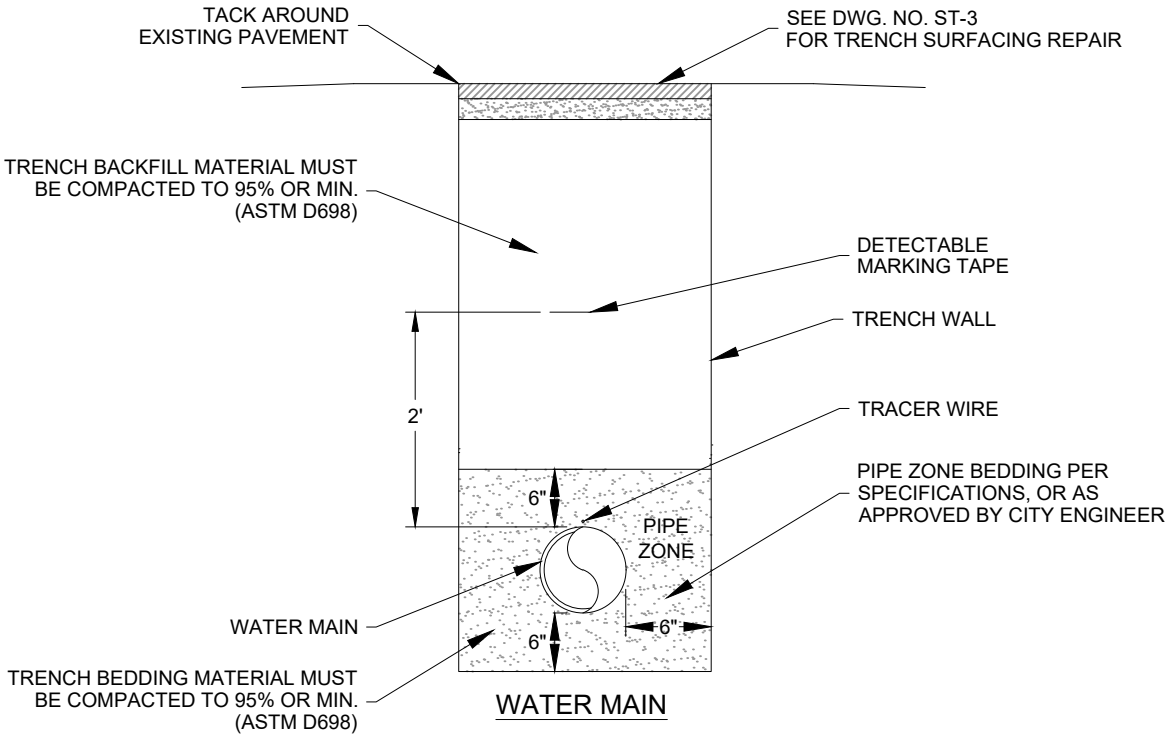
Umatilla Est. 1862

RPDA/RPBA DUAL INSTALLATION LARGER THAN 2"

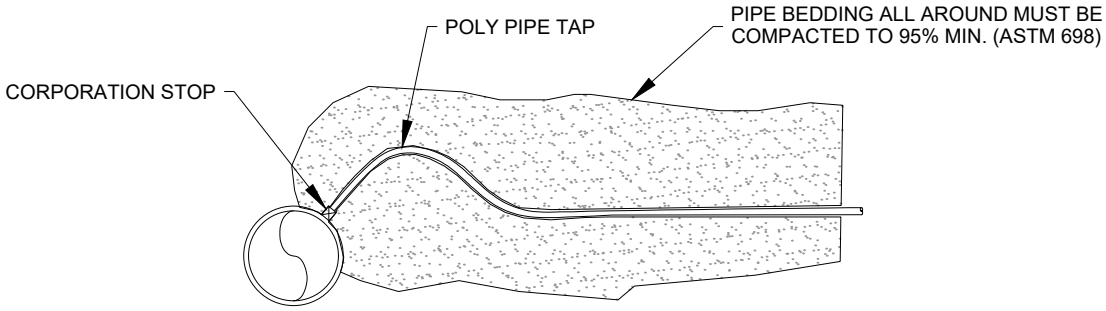
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-19



WATER MAIN



WATER SERVICE

NOTES:

1. THIS STANDARD IS ACCEPTABLE FOR DEPTHS UP TO 14 FEET. PIPES THAT EXCEED 14 FEET SHALL CONFORM TO MANUFACTURER'S RECOMMENDATIONS FOR BEDDING.
2. TRENCH SHALL BE EXCAVATED TO ACCOMMODATE PIPE BELL.

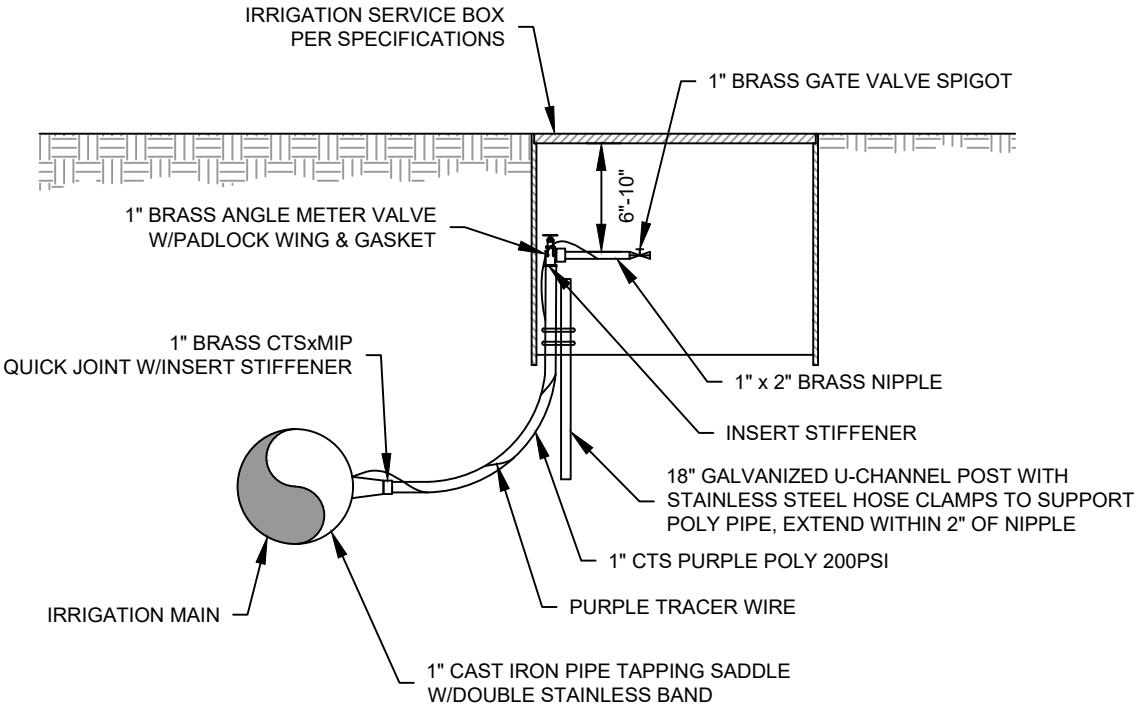
Umatilla Est. 1862

TYPICAL WATER TRENCH SECTION

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-20



IRRIGATION SERVICE
FROM IRRIGATION MAIN ONLY
STREET SIDE

IRRIGATION SERVICE FROM POTABLE WATER MAIN
MUST BE CONNECTED PER DWG. NO. W-2

NOTES:

1. NO CONNECTION BETWEEN THE DRINKING SUPPLY WATER AND IRRIGATION SUPPLY IS ALLOWED.
2. NO PRIVATE FITTINGS OR VALVES ARE ALLOWED IN THE CITY IRRIGATION SUPPLY BOX.
3. ALL THREADED CONNECTIONS MUST USE THREAD SEALANT PER SPECIFICATIONS.
4. ALL FITTINGS PER SPECIFICATIONS.

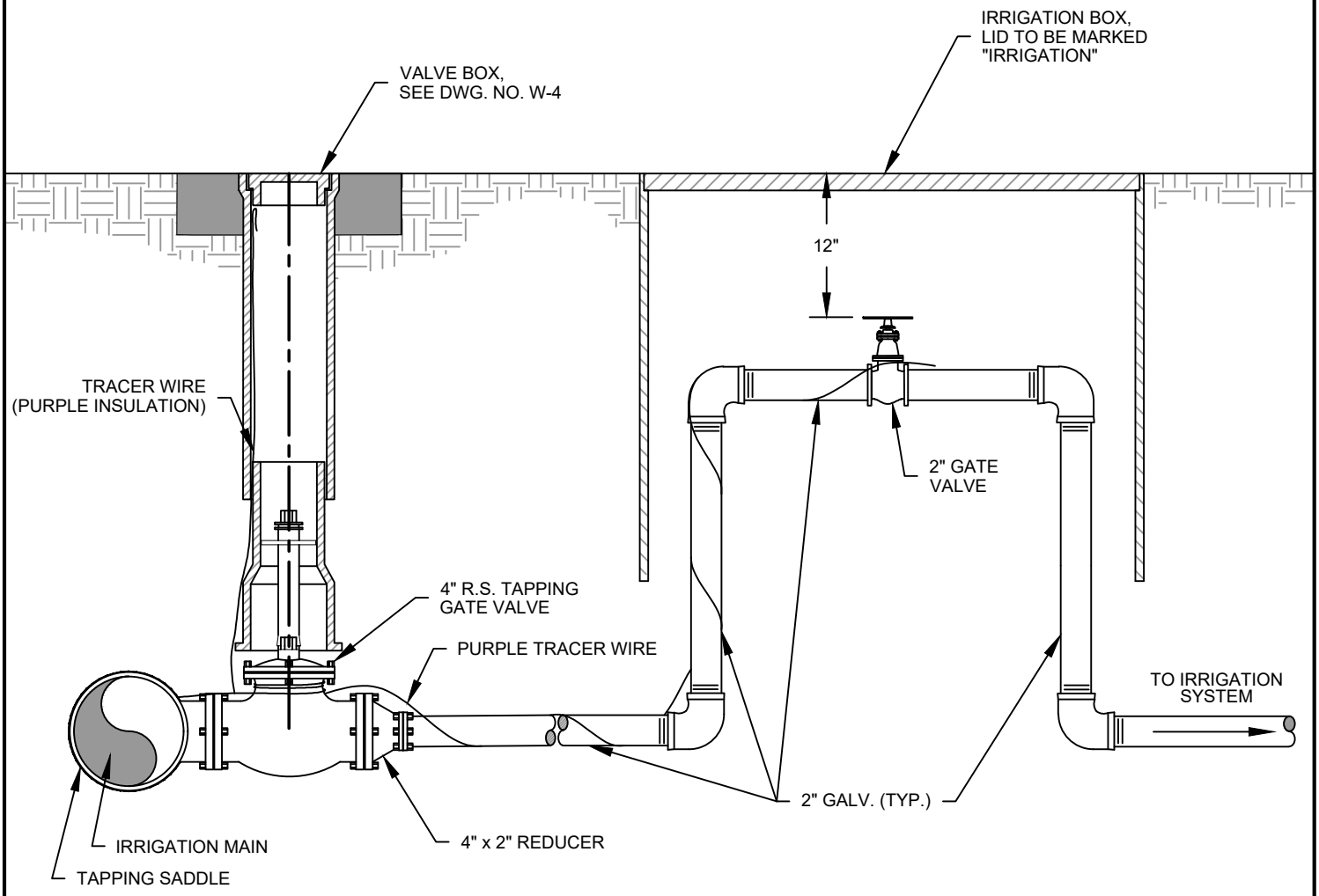
Umatilla Est. 1862

IRRIGATION SERVICE (FRONT YARD)

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-21



CITY OWNED OR ACQUIRED IRRIGATION SERVICES

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: W-22

CITY OF UMATILLA

DESIGN GUIDELINES AND STANDARD SPECIFICATIONS AND DETAILS FOR SEWAGE PUMP STATIONS

Approved:_____ Date:_____

October 5, 2021

DESIGN GUIDELINES AND STANDARD SPECIFICATIONS AND DETAILS FOR SEWAGE PUMP STATIONS

Table of Contents

1.1 SCOPE

This document provides design guidelines and standard specifications and details for sewage pump stations between 20,000 and 0.5 million gallons per day average daily flow that are to be accepted for ownership, operation, and maintenance by the City of Umatilla.

Pump stations serving private developments will not be maintained or owned by the City. At the option of the City, the pump station may be located in public right-of-way and dedicated to the City for ownership, operation, and maintenance.

Any of these requirements may change without notice, and the City may grant variances from individual requirements on a case-by-case basis. Project approval by the City is independent of any other agency approval, and it is the responsibility of the Owner to secure approvals and permits from all other regulatory agencies.

1.2 DESIGN GUIDELINES

1.2.1 Submittals to City for Review and Approval

1.2.1.1 Submittal for Design Review and Approval

Despite the specific information provided herein, the drawings, specifications and details ("Designs") only show minimum requirements, should be considered conceptual in nature, and may require revision and/or modification to conform to project conditions and applicable laws, codes, ordinances, standards and other current requirements and/or best practices. Designs shall be checked, completed and stamped by a Oregon State Professional Engineer and Registered Electrical Engineer.

All deviations from City standards shall be clearly identified in a written transmittal attached to preliminary, design, construction, and record “as-built” drawings or plans.

Four (4) copies of the following shall be submitted to the City for design review and approval:

- Full or half size design drawings showing similar views and details of the pump station site and components as shown on the attached City Standard Drawings for Sewage Pump Stations
- Construction specifications
- Design calculations showing the following:

- Existing and design influent flow estimates
- System curves superimposed on pump curves
- Pump(s) and wet well sizing including stops/starts per hour
- Storage capacity during projected peak hourly flows from high water alarm elevation to overflow conditions through collection lines at the nearest manhole or dwelling sewer stub
- Design assumptions
- Analysis showing impact of discharge on City's existing collection system
- Factor of safety against buoyancy

1.2.1.2 Submittal for Final Acceptance

Prior to final acceptance of the pump station, the applicant must submit the following:

- Testing: Provide results of testing, inspections, and certification by the Engineer of Record that the system passed the specified tests.

- Record "As-Built" Drawings: Submit final record drawings of the completed facility. Prepare record drawings in AutoCAD format and provide electronic files on CD. Provide one (1) reproducible full-size and reduced (11"x17") hard copy. Also provide one (1) PDF copy. Provide submittal within thirty (30) calendar days of completion of the project and prior to City final acceptance. All wires shall be tagged and all programs shall be submitted to the City on CD. Record drawings shall also be placed in Operation and Maintenance Manuals.

- Easements: Right-of-ways and/or easements for construction, operation and maintenance of the system shall be recorded with the County Assessor's Office and copies placed in the Operation and Maintenance Manuals.

- City Costs: Verify that all user equity fees and City administration, inspection, and other costs have been paid in full.

- O&M Manuals: Submit six (6) paper copies of the Operation and Maintenance Manuals approved by the City per Section 1.3.1.1.2. Also provide one (1) PDF copy.

1.2.2 General Design Guidelines

1.2.2.1 Design Criteria

Pump station design shall be in conformance with the latest versions of the City of Umatilla's Comprehensive Sewer Plan, City of Umatilla's Standard Specifications and Details, and Oregon Department of Environmental Quality (DEQ). The requirements in this standard specification are intended to supplement and supersede the criteria in these documents if they conflict.

1.2.2.2 Configuration

The pump station shall utilize a duplex submersible pump and wet well configuration with a separate valve vault. The pump station shall include the appurtenances and generally conform to the layout and configuration depicted in the attached standard drawings modified as necessary for each individual site requirements.

The station shall be designed with provisions for lifting the submersible pumps out of the wet well without disassembling fittings or the pump station structure and without entering the wet well.

1.2.2.3 Design Flows

Current and design flows including minimum daily, average daily, maximum daily, minimum hourly, peak hourly, and any other important flow conditions for the pump station shall be calculated for sizing the pumps and verifying the operating characteristics of the pump station. A design life of 20 years minimum shall be used unless otherwise approved by the City.

1.2.3 Pumps

1.2.3.1 Number and Size of Pumps

The station design shall include a minimum of two (2) pumps (i.e. duplex) each capable of handling, at a minimum, the design peak hourly flow. If the 20-year projected peak hourly flow exceeds 500 gpm, three (3) pumps (i.e. triplex) shall be provided with the ability to handle, at a minimum, the design peak hourly flow with the largest pump out of service.

If the flow from the ultimate service area exceeds the needs of the particular area under consideration, the City may require pump station capacities greater than the size required for the 20-year design period. The City may participate in the project to the extent of the incremental cost of materials for oversizing the pump station.

1.2.3.2 Operational Criteria

The pumps and wet well should be sized to limit the number of starts per hour to less than or equal four (4) per pump. In addition, the pumps and wet well should be sized to limit the maximum cycle time to less than 30 minutes to avoid septic conditions.

1.2.3.3 Pump Type

Pumps shall be submersible sewage pumps capable of passing spheres of at least 3 inches in diameter. Pump suction and discharge openings shall be at least 4 inches in diameter. All sewage pumps shall be rated explosion-proof and meet National Electrical Code (NEC) requirements.

1.2.3.4 Pump Manufacturer

Pumps shall be manufactured by ITT Flygt.

1.2.4 Wet Well and Valve Vault

1.2.4.1 Size

The wet well shall be adequately sized to accommodate the pumps and any other required equipment and piping. If additional pumps are planned to be added in the future to serve the ultimate flow projections, the wet well shall be upsized appropriately. The storage capacity in the wet well shall be sized to provide 30 minutes minimum response time during design peak hourly flows between the high water alarm elevation and overflow conditions at the nearest manhole or dwelling sewer stub. The wet well shall be a minimum of 72 inches in diameter.

The valve vault shall be sized to provide adequate space for access to and maintenance of appurtenances.

1.2.4.2 Access Hatches

The wet well and valve vault access hatches shall be sized to encompass and fully expose the entire interior to the atmosphere when opened.

1.2.4.3 Wet Well Liner

All interior surfaces of the wet well shall be lined with a non-corrodible lining system.

1.2.4.4 Confined Space Entry System

The wet well design shall provide for confined space entry by including a core mount sleeve base with sleeve cap. The components shall be incorporated into the design and installed per the manufacturer's instructions.

1.2.4.5 Miscellaneous Design Details

The valve vault shall drain back into the wet well. A check valve or flapper shall be provided on the drain line.

All P-traps shall be filled with water.

The wetwell and vault shall be designed to be watertight and for AASHTO H-20 traffic loads.

The corners of the wetwell bottom shall be filleted to minimize solids accumulation at the pump intakes at the bottom of the wet well.

Pipe inverts entering and exiting the structures, top slabs, and base elevations shall be shown on design drawings.

All materials shall be corrosion resistant. All nuts, washers, bolts and other steel hardware inside the structures shall be stainless steel.

Only rigid, ductile iron piping (Class 52) shall be used within and between the wetwell and valve vault. Where possible, interior fittings shall be flanged fittings with manufacturer-approved gaskets for sewage applications. Ductile iron piping and fittings shall have an interior and exterior epoxy coating. A dual flexible coupling system shall be provided between the valve vault and the wetwell to accommodate differential settlement between the two structures.

Stainless pipe supports shall be provided for the piping inside the valve vault.

1.2.5 Sun Shelter

A sun shelter shall be provided to shield the electrical, control, and telemetry panels from the prevailing winds and southwestern sun.

1.2.6 Electrical

The electrical system shall include, but shall not be limited to, electrical service, service equipment, power distribution equipment, motor control equipment, as well as control, instrumentation and telemetry equipment. The standard design shall include a manual transfer switch and generator connection device to allow the City's portable generator to be connected to the station.

The electrical system shall be constructed with two enclosures. The Power Panel shall contain a main circuit breaker, transfer switch, power distribution blocks, branch circuit breakers, combination stepdown transformer/panelboard, and motor starters. The Control Panel shall contain the control, instrumentation and telemetry equipment. These enclosures shall be NEMA 3R construction and shall be freestanding enclosures mounted adjacent to each other on a concrete pad.

The electrical installation shall meet NEC and other applicable codes in effect at the station location.

Electrical service shall be from the serving utility at the location of the station. Utility service requirements shall be adhered to.

Specific requirement for the electrical system are found in Section 1.3.5 of these specifications.

1.2.7 Controls

Controls for the lift station shall be provided to cause the pumps to cycle on and off based on wet well level. Motor starters shall be across the line starters or solid state soft starters, depending on motor size and City preference. Controls shall be provided for redundant means of starting and stopping pumps. One means shall be a level controller with programmable start and stop levels for lead and lag pumps. The second means shall be a high level float switch and timers to start both pumps and operate them for a time period after the float switch return to normal.

Wet well level shall be monitored by a level transducer mounted in the wet well and connected to the level controller.

1.2.8 Telemetry

The Contractor shall provide telemetry equipment to permit the City to monitor the lift station over the existing telemetry system. Telemetry equipment shall be as described in Section 1.3.6.

1.2.9 Standby Power

Standby power will be via the Owner's portable generator set. The Contractor shall include a manual transfer switch and generator connection device (matching the Owner's generator set) to permit operation of the station when utility power fails.

1.2.10 Site Layout

1.2.10.1 Easements

The pump station shall be on dedicated right-of-way or easement with easy all-weather access. Written copies of all easements and right-of-ways shall be provided to the City, shown on all drawings, and recorded with the County Assessor's Office.

1.2.10.2 Access and Drainage

Access and drainage shall be clearly shown on design drawings. The pump station access road shall be paved in conformance to City Street Standards and provide direct truck vehicle access to the wet well and valve vault. Access location(s) shall be approved by City and authorized maintenance operator(s). Unpaved finish grade surfaces inside the pump station site shall be finished with a 4-inch layer of crushed surfacing top course over subgrade all compacted to 95% maximum density. Drainage facilities shall be constructed so that the access road, pump station, and surrounding properties are not subject to flooding from stormwater runoff.

1.2.11 Force Main

1.2.11.1 Size

Force mains should be not less than 4 inches in diameter. At design peak pumping capacity (with one pump running), a minimum self-scouring velocity of 3.5 feet per second (fps) should be maintained. Alternatively, with City approval, this velocity may be provided by automatically cycling two pumps simultaneously according to a programmable schedule. Design velocity should not exceed 5 fps.

1.2.11.2 Alignment and Grade

Uniform grade and straight alignment between high and low points, fittings, and appurtenances shall be maintained in new force mains. The force main shall be installed at a positive grade so that it can be drained and emptied if necessary. A combination air valve, Apco or approved equivalent, shall be placed at all high points in the force main to release trapped air and relieve air/vacuums during filling/draining.

1.2.11.3 Materials

Force main piping shall be constructed of C-900 and C-905 PVC water pipe, although epoxy-lined ductile iron may be allowed on a case-by-case basis. Fittings shall be epoxy-lined ductile iron. Materials and construction of piping and fittings shall meet City of Umatilla's Standard Specifications. All nuts, washers, bolts and other steel hardware shall be stainless steel.

1.2.12 Other Considerations

These standards generally apply to typical residential pump stations, although the City reserves the right to impose other requirements as necessary. Also, additional requirements may apply to pump stations receiving commercial or industrial sewage.

The following is a list of additional items that may be considered on a case-by-case basis:

- Screening
- Grinding
- Grit handling/removal
- Grease handling/removal
- Flow metering
- Odor control
- Noise control
- Standby emergency power
- Site lighting

- Site fencing
- Hydrogen sulfide corrosion control

1.3 STANDARD SPECIFICATIONS

1.3.1 Submittals

1.3.1.1 General

This section describes the requirements for construction and operation and maintenance (O&M) submittals and the review procedures.

1.3.1.1.1 Construction Submittals

Submittals not following these procedures or requirements will be returned to the Contractor without being reviewed.

Provide a Submittal Control Document showing the project submittals required by the Special Provisions, Project Plans, and Specifications. Submit this log to the Engineer as a spreadsheet in EXCEL® format within fifteen (15) working days after the effective date of the Notice to Proceed.

Number the submittals as shown in the Submittal Control Document. Specific items submitted under a general item shall be given a dashed number suffix. For example, under a general item "Valves" (Submittal No. 6), product data for gate valves would be submitted with a dashed number suffix such as Submittal No. 6-01. Resubmittals of the same item shall be given the original number with an alphabetic suffix. For example, the first resubmittal of the product data for the gate valve would be designated Submittal No. 6-01a.

Transmit each submittal with a submittal form identifying the Project Name, Contractor, Subcontractor or supplier, corresponding plans sheet or specification section, submittal name, and number.

Provide a Contractor's stamp or cover letter, signed or initialed, certifying that the submittal has been reviewed by the Contractor and is in accordance with the requirements of the Work and Contract Documents. SUBMITTAL WILL BE RETURNED IF NOT CERTIFIED.

Schedule submittals to expedite the Project and deliver to the City Engineer. Coordinate submission of related items.

The Contractor shall coordinate submittals with the work so that work will not be delayed. The Contractor shall coordinate and schedule different categories of submittals, so that one will not be delayed for lack of coordination with another. No extension of time will be allowed because of failure to properly schedule submittals. The Contractor shall not proceed with work related to a submittal until the submittal process is complete.

Provide sufficient information together with technical cuts and technical data to allow an evaluation to be made to determine that the item submitted is in compliance with Contract Documents.

The Contractor shall submit a copy of the technical specification with each subsection clearly marked for conformance or nonconformance with the subsection. Where the proposed equipment deviates from the specification, all necessary information and supporting calculations to evaluate the deviation shall be attached. The City retains its right to reject without justification the proposed deviation in favor of the specification, as written. Identify variations from Contract Documents and Product or system limitations which may be detrimental to successful performance of the completed Work. Identify requests for "or equal" "or equivalent" items. Justify the said deviation or "substitution" in detail in a separate letter immediately following transmittal sheet (written requests through Contractor only):

- If the justification is not given, shop drawing can be rejected and returned without further action.
- If justification is not given, deviation is not approved even if shop drawing is approved.

In making request for "or equal" "or equivalent" item, Contractor represents:

- He has personally investigated proposed item, has determined that it is adequate or superior in all respects to that specified, and that it will perform the function for which it is intended.
- He will provide same guarantee for "or equal" "or equivalent" item as for item specified.
- He will coordinate installation of accepted "or equal" "or equivalent" into work, to include building modifications if necessary, making such changes as may be required for work to be complete in all respects.

- He waives all claims for additional costs and/or time related to "or equal" "or equivalent" which subsequently arise.

(Note: This section does not address substitutions for major equipment during the bidding period.)

Provide space for Contractor and Engineer review stamps.

Unless noted otherwise, submit the number of copies which the Contractor requires to be returned, plus three (3) copies which will be retained by the Engineer. Special operation and maintenance submittal requirements are discussed below.

The Contractor shall be responsible for submitting complete and accurate information in accordance with the Contract Documents. All submittals requiring a third review by the Engineer shall be considered unresponsive and the Owner will charge the Contractor on a time and materials basis for all subsequent reviews and all related administrative costs.

Distribute copies of reviewed submittals to affected parties. Instruct parties to promptly report any inability to comply with provisions.

1.3.1.1.2 O&M Submittals

O&M Information shall be provided for all major equipment items as required by the Drawings and Specifications and indicated in the Submittal Control Document including but not limited to:

- All piping, fittings and valves.
- Pumps and motors.
- Electrical and control equipment.

IMPORTANT: Prior to startup, submit and bind together all O&M information in one complete manual binder that includes all of the O&M information for the entire booster station including mechanical and electrical. Only submittals provided in this format and as described below will be reviewed for acceptance. The manual binders shall be the heavy-duty, three-ring type. If O&M information does not fit in a single binder, multiple binders labeled "Volume 1", "Volume 2", etc. may be submitted. Each binder shall be labeled on the front and on the binder spine as follows: "[*project name*] Sewage Pump Station O&M Information (Volume _)".

Provide six (6) paper copies of the specified O&M manuals, which will be retained by the Owner. For ease of identification, each manufacturer's brochure and manual shall be appropriately labeled with the equipment name and equipment number as it appears in the project drawings and specifications. The manuals shall be indexed and reference the discrete equipment number on all manuals, data sheets and drawings. The manuals shall be provided with a table of contents and tab sheets to permit easy location of desired information.

If manufacturers' standard brochures and manuals are used to describe O&M procedures, such brochures and manuals shall be modified to reflect only the model or series of equipment used on this project. Extraneous material shall be crossed out neatly or otherwise annotated or eliminated.

Submit operation and maintenance information printed on 8½ in. x 11 in. size heavy quality paper (20 lb. or heavier). Reduce drawings or diagrams bound in manual to 8½ in. x 11 in. or 11 in. x 17 in. size.

Following the acceptable installation and operation of an equipment item, the item's instructions and procedures shall be modified and supplemented by the Contractor to reflect any field changes or information requiring field data.

Include manufacturer contact data, operating instructions, preventive and corrective maintenance requirements, warranty information, parts lists, and any other applicable information.

Operation and Maintenance Manuals shall contain operation and maintenance instructions, repair data, parts lists, manufacturer's warranty, record drawings, permits, easements, photo graphs, test results, schematics for mechanical, electrical, and civil design components, and other pertinent information.

1.3.1.1.3 Review Procedure

Unless otherwise specified, within thirty (30) days after receipt of the submittal, the Engineer will review the submittal. The returned submittal will indicate one of the following actions:

- If the review indicates that the material, equipment or work method is in general conformance with the contract drawings/specifications, the submittal copies shall be marked "Reviewed". In this event the Contractor may begin to

incorporate the material/ equipment/work method covered in the submittal, subject to the full requirements of the Contract Documents.

- If the review indicates that the submittal is insufficient or that limited corrections are required, the submittal copies shall be marked "Furnish as Corrected". The Contractor may begin to implement the work methods or incorporate materials/equipment covered in the submittal, in accordance with the corrections/comments noted. Where submittal information is to be incorporated in O&M data, a corrected copy shall be provided; otherwise no further action is required.

- If the review reveals that the submittal is insufficient or contains incorrect data and that the comments require revision and resubmittal, the submittal copies shall be marked "Revise and Resubmit". (In this case, except at its own risk, the Contractor shall not undertake work covered by this submittal until the attached comments have been confirmed by a separate written communication of the submittal that has been revised, resubmitted, and returned to the Contractor).

- If the review indicates that the material, equipment, or work method is not in general conformance with the design concept or in compliance with the contract drawings/specifications, or if the submittal is incomplete, the submittal copies shall be marked "Rejected". Submittals containing deviations from contract drawings/specifications that have not been clearly identified and that have not been noted previously in correspondence also shall be considered rejected, even if the Engineer fails to note the deviation. No deviation will be accepted unless clearly marked on the submittal. (In this case, except at its own risk, the Contractor shall not undertake work covered by this submittal until the attached comments have been confirmed by a separate written communication or the submittal has been revised, resubmitted, and returned to the Contractor).

1.3.1.1.4 Effect of Review of Contractor's Submittals

Review of drawings, methods of work, or information regarding materials or equipment the Contractor proposes to provide, shall not relieve the Contractor of its responsibility for errors therein and shall not be regarded as an assumption of risks or liability by the Engineer on behalf of the City, or by any officer or employee of the City, and the Contractor shall have no claim under the Contract on account of the failure, or partial failure, of the method of work, material, or equipment so reviewed.

1.3.1.2 Materials

Not used.

1.3.1.3 Workmanship

Not used.

1.3.1.4 Payment

All labor, material, and equipment required to provide submittals shall be considered incidental and included in other bid prices.

1.3.2 Pumps and Motors

1.3.2.1 General

This section covers the wastewater submersible pumps and accessories.

1.3.2.1.1 Pump Performance Requirements

The pump shall meet the following performance requirements:

- Design Duty Point: _____ gpm at _____ feet total dynamic head (TDH)
- Design Static Head Lift: _____ feet
- Minimum Shutoff Head: _____ feet
- Minimum Efficiency: _____

The motor horsepower shall be adequate so that the pump is non-overloading throughout the entire pump performance curve from shut-off through run-out.

The pump and motor unit shall be suitable for continuous operation at full nameplate load while the motor is completely submerged, partially submerged or totally non-submerged.

The drawings and specifications for this project are based on the following pump and motor:

- Wastewater Submersible Pump: ITT FLYGT (w/N-Impeller) Model _____
- Motor: _____ Hp.

1.3.2.1.2 Submittals

Submit the following under provisions of Section 1.3.1:

- Manufacturer's Certificate: Certify that products meet or exceed specified requirements, and are suitable for the use intended.
- Pump and motor performance data.
- Shop drawings showing pump dimensions, detailed drawings for installation requirements, pump connections and sizes, rail system and connections, and access hatch requirements.
- Pump curves with both one and two pumps operating and superimposed system duty points showing performance requirements are satisfied.
- Operation and maintenance manuals and information.

1.3.2.1.3 Quality Assurance

Install and operate pumps and motors in accordance with the manufacturer's recommendations.

1.3.2.1.4 Warranty

Include coverage of all pumps, motors, bearings, seals, wear plates, and accessories, for a minimum of five (5) years from the date of shipment. Pro-rate the warranty after the first 18 months of operation.

1.3.2.2 Materials

1.3.2.2.1 General Requirements

Included under this section will be the pump, motor, discharge elbow, guide bar brackets and related and required accessories.

The pump supplier shall also supply compatible motor, discharge elbow, mechanical seals, guide bar brackets and related and required accessories.

The pumps shall be suitable for pumping raw unscreened wastewater comprised of domestic, commercial, and industrial waste and be easily removed for inspection and service requiring removal of no bolts, nuts, or other fastenings and not requiring personnel to enter the wet well.

All components and materials inside the wetwell shall be constructed of stainless steel or other non-corrodible materials.

Only ITT Flygt Corporation submersible raw sewage pumps and motors shall be allowed. No substitutes will be allowed. Pumps and motors shall meet applicable ITT Flygt Performance Specifications and the requirements of this specification:

1.3.2.2.2 Scope of Work

Furnish and install two submersible non-clog wastewater pump(s). In addition to the installation of the two pumps, furnish and deliver to the City of Umatilla Sewer Department Shop a spare pump, spare impeller and re-build kit.

Each pump shall be equipped with a submersible electric motor with ____ feet length of submersible cable (SUBCAB) suitable for submersible pump applications. The pump shall be supplied with a mating cast iron __ inch minimum discharge connection and be capable of meeting the performance requirements given in this specification.

1.3.2.2.3 Pump Design

The pump(s) shall be automatically and firmly connected to the discharge connection. There shall be no need for personnel to enter the wet-well. No portion of the pump shall bear directly on the sump floor. Sealing of the pumping unit to the discharge connection shall be accomplished by a machined metal to metal watertight contact.

1.3.2.2.4 Pump Construction

Major pump components shall be of gray cast iron, ASTM A-48, Class 35B, with smooth surfaces devoid of blow holes or other irregularities. All exposed nuts or bolts shall be AISI type 304 stainless steel construction. All metal surfaces coming into contact with the pumpage, other than stainless steel or brass, shall be protected by a factory applied spray coating of acrylic dispersion zinc phosphate primer with a polyester resin paint finish on the exterior of the pump. Lifting bails shall be stainless steel.

1.3.2.2.5 Cooling System

Each unit shall be provided with an integral motor cooling system. The cooling system shall provide for continuous pump operation in liquid temperature of up to 104 Degrees F or in free air. Restrictions below this temperature are not acceptable.

1.3.2.2.6 Cable Entry Seal

The cable entry seal design shall ensure a watertight and submersible seal.

1.3.2.2.7 Motor

The motor shall be totally enclosed for submersible service, explosion proof, and suited for operation on ____ volt, _____-phase, 60 hertz power.

The pump motor shall be induction type with a squirrel cage rotor, shell type design, housed in an air filled, watertight chamber, NEMA B type. The stator windings and stator leads shall be insulated with moisture resistant Class H insulation rated for 180 C (356 F). The stator shall be insulated by the trickle impregnation method using Class H monomer-free polyester resin resulting in a winding fill factor of at least 95%. The motor and pump shall be designed and assembled by the same manufacturer.

The combined service factor (combined effect of voltage, frequency and specific gravity) shall be a minimum of 1.15. The motor shall have a voltage tolerance of plus or minus 10%. The motor shall be designed for continuous operation up to 40 C (104 F) ambient and have a NEMA Class B maximum operating temperature rise of 80 degrees C. A motor performance chart shall be provided, upon request, showing curves for torque, current, power factor, input/output kW and efficiency. This chart shall also include data on starting and no-load characteristics.

The power cable shall be sized according to the NEC and ICEA standards and shall be of sufficient length to reach the junction box without the need of any splices.

1.3.2.2.8 Bearings

The pump shaft shall rotate on two permanently grease lubricated bearings.

1.3.2.2.9 Mechanical Seal

Each pump shall be provided with a positively driven dual, tandem mechanical shaft seal system consisting of two seal sets, each having an independent spring. The lower, primary seal unit, located between the pump and the lubricant chamber, shall contain one stationary and one positively driven rotating tungsten-carbide ring. The upper, secondary seal unit, located between the lubricant chamber and the motor housing, shall contain one stationary tungsten-carbide seal ring and one positively driven rotating tungsten-carbide seal ring. All seal rings shall be individual solid sintered rings. Each seal interface shall be held in contact by its own spring system. The seals shall require neither maintenance nor adjustment nor depend on direction of rotation for sealing.

Each pump shall be provided with a lubricant chamber for the shaft sealing system. The seal system shall not rely upon the pumped media for lubrication. Each pump shall be provided with a lubricant chamber for the shaft sealing system. The lubricant chamber shall be designed to prevent overfilling and to provide lubricant expansion capacity. The drain and inspection plug, with positive anti-leak seal shall be easily accessible from the outside. The seal system shall not rely upon the pumped media for lubrication. The motor shall be able to operate dry without damage while pumping under load.

Seal lubricant shall be FDA Approved, nontoxic.

1.3.2.2.10 Pump Shaft

Pump and motor shaft shall be the same unit. The pump shaft is an extension of the motor shaft. Couplings shall not be acceptable. The shaft shall be AISI Type 431 or ASTM A479 S43100-T stainless steel.

1.3.2.2.11 Impeller

The impellers shall be of N-impeller design and manufactured of gray cast iron, ASTM A-48 Class 35B, dynamically balanced, semi-open, multi-vane, back swept, screw-shaped, non-clog design. The impeller leading edges shall be mechanically self-cleaned automatically upon each rotation as they pass across a spiral groove located on the volute suction. The screw-shaped leading edges of the impeller shall be hardened to Rc 45 and shall be capable of handling solids, fibrous materials, heavy sludge and other matter normally found in wastewater. The screw shape of the impeller inlet shall provide an inducing effect for the handling of up to 5% sludge and rag-laden wastewater. The impeller to volute clearance shall be readily adjustable by the means of a single trim screw. The impellers shall be locked to the shaft, held by an impeller bolt and shall be coated with alkyd resin primer.

1.3.2.2.12 Volute

The pump volute shall be a single piece gray cast iron, ASTM A-48, Class 35B, non-concentric design with smooth passages of sufficient size to pass any solids that may enter the impeller. Minimum inlet and discharge size shall be as specified. The volute shall have a replaceable suction cover insert ring in which are cast spiral-shaped, sharp-edged groove(s). The spiral groove(s) shall provide trash release pathways and sharp edge(s) across which each impeller vane leading edge shall cross during rotation so to remain unobstructed. The insert ring shall be cast of (ASTM A-48, Class 35B gray iron or ASTM A-532 (Alloy III A) 25% chrome cast iron) and provide effective sealing between the multi-vane semi-open impeller and the volute housing.

1.3.2.2.13 Protection

All stators shall incorporate thermal switches in series to monitor the temperature of each phase winding. At 125 C (260 F) the thermal switches shall open, stop the motor and activate an alarm. A leakage sensor shall be included to detect water in the stator chamber. The Float Leakage Sensor(FLS) is a small float switch used to detect the presence of water in the stator chamber. When activated, the FLS shall stop the motor and send an alarm both local and/or remote. USE OF VOLTAGE SENSITIVE SOLID STATE SENSORS AND TRIP TEMPERATURE ABOVE 125 C (260 F) SHALL NOT BE ALLOWED. The thermal switches and FLS shall be connected to a Mini CAS (Control and Status) monitoring unit. The Mini CAS shall be mounted in the control panel and shall be provided with the pump.

Guide bars and brackets shall be stainless steel:

- Two continuous guide bars per pump used for raising and lowering the pump. Type 304 stainless steel.
- Lower guide bar holders to be integral with discharge elbow.
- Guide pump unit on guide bars utilizing guide brackets. Type 304 stainless steel.
- Use intermediate supports on guide bars as needed.
- Guide cables are not acceptable.
- Guide bars shall not support any portion of the weight of the pump.

1.3.2.3 Workmanship

1.3.2.3.1 Examination

Verify all pumps, motors, and materials are present and meet the requirements of these Specifications.

1.3.2.3.2 Installation

Install pumps and motors in accordance with shop drawings and manufacturer's recommendations.

Interface with suction and discharge piping to provide a complete waterproof seal.

Install electrical and pump controls in accordance with the manufacturer's recommendations and the electrical division of these Technical Specifications.

Center pump bowls and discharge column.

Furnish and deliver one (1) spare pump, spare impeller and re-build kit to the City Sewer Department Shop.

1.3.2.3.3 Acceptance Testing

Prior to acceptance, test lift station with representatives of the City Engineer present to verify proper operation. Coordinate and schedule acceptance testing with the City a minimum of five (5) working days before.

Conduct drawdown test with one and with both pumps in operation measuring drawdown and time to verify the flowrates and that the pumps are pumping at their rated capacity.

Simulate alarm and control conditions. Operate pumps through complete fill and pump cycles. Field adjust level float and HydroRanger level settings to achieve optimum performance.

1.3.2.3.4 Start-Up Services

Provide a factory-trained representative for four (4) hours minimum to oversee, inspect and to certify the installation of each type of pump. Prior to operator training, demonstrate to the Engineer that the equipment is ready for operation. Coordinate and schedule operator training with the Engineer a minimum of five (5) working days before.

Provide required Equipment Operation and Maintenance (O&M) Manuals to the Owner as per the requirements of Section 1.3.1.1.2.

1.3.2.4 Payment

Payment shall be made at the unit price or lump sum bid price as stated in the Contractor's bid proposal. Payment shall be considered full compensation for all labor, material, and equipment to install the pump and motors, complete and operational.

1.3.3 Precast Wetwell and Valve Vault

1.3.3.1 General

1.3.3.1.1 Scope

This work shall consist of constructing the pump station wetwell and valve vault in accordance with these specifications, as shown on the plans, and as staked by the Engineer.

In addition to the requirements of this specification, the wetwell and valve vault shall also comply, where appropriate, with the requirements of the City of Umatilla's Standard Specifications.

1.3.3.1.2 Submittals

Submit shop drawings for the lift station wetwell and valve vault. Shop drawings shall be complete and shall show overall layout, unit locations, fabrication details, reinforcement, connection details, hatch orientation and opening direction, location of uni-sleeve, support items, dimensions, and relations to adjacent materials.

Submit concrete mix design, concrete materials, accessories, epoxy adhesive and concrete test results.

Manufacturer shall provide structural design calculations sealed by a Professional Structural Engineer licensed in the State of Oregon.

1.3.3.2 Materials

1.3.3.2.1 Precast Concrete

All cast-in-place and structural concrete for this project shall meet the requirements of Class 4000. Contractor shall submit concrete mix design, concrete materials, accessories, epoxy adhesive and concrete test results.

Design the wet well and vault for AASHTO H-20 loadings.

1.3.3.2.2 Wet Well

The lift station wet well shall conform to ASTM C-478, Standard Specification for Precast Reinforced Concrete Manhole Sections. The valve vault shall be a precast concrete vault sized as shown on the drawings. Cast hatches and/or frame and covers in the top slabs (coordinate opening location and size with pump manufacturer). Design the wet well and vault for H-20 loadings.

All interior surfaces of the lift station precast wet well shall be lined with non-corrodible lining systems.

A. The wet well walls, floor (including the fillet taper), and roof slab surfaces shall be lined with a protective epoxy, polyamine, fiber reinforced coating. Coating shall be a 100% solids and spray applied. Minimum thickness shall be 100 mills.
B. The lining shall be Series 436 Perma Shield FR Epoxy Coating as manufactured by Tnemec, or approved equivalent.
C. Filler-resurfacer shall be Series 64-1500, 218, 219 or 434 as manufactured by Tnemec, or approved equivalent.
D. Installation of the lining shall be done in accordance with the recommendations of the liner manufacturer.
E. Joints between the lining/coating and other lift station components shall be sealed with butyl rubber sealant material.

1.3.3.2.3 Valve Vault

The valve vault shall be a pre-cast concrete vault sized as shown on the drawings. Provide plastic coated access steps where shown on the plans.

Check valves for the pump station discharge line shall be rubber flapper swing check valves, APCO Series 100R.

For industrial applications, flow meters for the pump station discharge lines shall be McCrometer Magmeter (Ultra Mag).

1.3.3.2.4 Top Slabs

Cast access hatch frames in the top slabs.

Design the wetwell and vault for AASHTO H-20 traffic loads.

Produce a smooth, troweled finish on the surfaces of all slabs including the station area slab. Slab shall be level and flat. All finished concrete and hatches shall be at same elevation.

1.3.3.2.5 Access Hatches

The access hatches shall be double-leaf aluminum with stainless steel hardware. Hatches shall be rated for AASHTO H-20 traffic loads unless this load rating is not available in the required size. Then hatches may be rated for a reduced traffic loading rating of 16,000 pounds over a 20 inch x 20 inch area. Provide a recessed, lackable hasp covered with a hinged lid flush with the surface. Provide a stainless steel safety chain for a safety barrier between the door leafs when open. Route the hatch drains to a drywell or drain. Hatches shall be Bilco or approved equivalent.

1.3.3.2.6 Non-Shrink Grout

Non-shrink grout shall be premixed compound consisting of non-metallic aggregate, cement, water reducing and plasticizing agents, capable of developing minimum compressive strength of 2,400 psi (17 MPa) in 48 hours and 7,000 psi (48 MPa) in 28 days, Gifford-Hill "Supreme," L&W "Crystex," or UPCO "Upcon High Flow.

1.3.3.2.7 Joint Filler Material

Install 1/2-inch joint filler material between the wetwell and concrete slab and where called for on Drawings. Joint filler material shall be asphalt impregnated fiberboard or felt, tongue and groove profile, set 1/8-inch below floor slab elevation, meeting the requirements of ASTM D-1751.

1.3.3.2.8 Exterior Coatings

The below ground level exterior surfaces of lift station precast wetwell and valve vault sections shall be coated with Asphalt for Waterproofing (ASTM D312, Type 4) in accordance with the Oregon Standard Specifications for Construction.

1.3.3.2.9 Confined Space Entry System

A confined space entry system shall be furnished with the lift station. The system shall be Miller DuraHoist ™ and shall consist of the following primary components:

A. One-piece adjustable mast, Model No. DH-3, deliver to City Shop;
B. Core Mount Sleeve Base, Model No. DH-9SS, and Sleeve Cap, Model No. DH-10SS, install per drawings and manufacturer's recommendations on the wet well and valve vault;
C. Digital Winch, Model No. DH100/70FT, Miller 100 Series Digital Winch with 70 feet of 3/16 in. stainless steel cable, deliver to City Shop;
D. Work Winch, Model No. DH50S/50FT, Miller Basic Winch with 50 feet of 3/16 in. stainless steel cable, deliver to City Shop;
E. All other necessary brackets, hardware, and components required for a complete, operable confined space entry system.

1.3.3.3 Workmanship

Do not place backfill for at least 24 to 48 hours after application of exterior coating. Place backfill in a manner that will not rupture or damage the film or cause the coating to be displaced on the wall.

A minimum of one compaction test shall be taken at each structure location as follows: foundation subgrade, base under floor slab, midpoint of the backfill, and finished subgrade elevation.

1.3.3.4 Payment

Payment shall be at the unit price or lump sum price as stated in the Contractor's bid schedule.

1.3.4 Force Main Sewer

1.3.4.1 General

In addition to the requirements of this specification, the force main sewer shall also comply, where appropriate, with the requirements of the City of Umatilla's Standard Special Provisions.

1.3.4.2 Materials

The sewer main line materials, as indicated on the plans for the sanitary sewer force main, shall be "Polyvinyl Chloride Pipe" (PVC) C-900 as specified in the City of Umatilla's Standard Specifications. Fittings for the force main shall be also as specified in the Standard Special Provisions. Ductile iron pipe conforming to ANSI/AWWA C151/A21.51 Class 50 as specified in the Standard Special Provisions, is a pre-approved substitute, but ductile iron pipe shall be epoxy lined. Cement mortar lining will not be allowed.

Tracer wire shall be insulated 12 gauge copper.

Valves and valve boxes for the sanitary sewer force main shall meet the requirements of the City's Standard Specifications. All valve box lids shall be marked with the letter "S".

1.3.4.3 Workmanship

The sewer force main shall be laid at a uniform grade as called for or as shown on the plans and as required to not create high or low points in the line.

Tracer wire for the sanitary sewer force main, valves and valve boxes shall be installed in accordance with the detail in the plans.

The Contractor shall hydrostatic test the sanitary sewer force main in accordance with the City's Standard Specifications.

1.3.4.4 Payment

Payment for fitting and valves including valve boxes shall be at the contract unit price as stated in the bid schedule for each type and size fitting and valve.

Payment shall be at the contract unit price as stated in the bid schedule for "Force Main Sanitary Sewer Pipe _____ In. Diam." The contract unit price shall be considered full compensations for all labor, materials and equipment to include trench excavation and backfill, pipe installation, and testing.

A separate payment will not be made for testing the sanitary sewer force main. All costs to perform the test shall be inclusive to the contract unit price for the sanitary sewer force main.

1.3.5 Electrical System

1.3.5.1 General

1.3.5.1.1 Scope

The Contractor shall provide a complete electrical system for the project site including: electrical service (in conjunction with the local electric utility), service equipment, distribution equipment, motor control equipment, telemetry equipment, instrumentation equipment, conduit, conductors, fittings, hangers, and associated devices/equipment required for a complete and operational system.

This section is intended to delineate the minimum requirements of the system, but in no way do they relieve the Contractor from providing all hardware and programming necessary to accomplish the functional tasks indicated by the system specifications.

The control panel (CP) shall be furnished by a single supplier, and that supplier shall supervise the construction, installation and testing of the telemetry and control system. The supplier shall also coordinate with the City representative to ensure the correct interface of the telemetry equipment with the City's existing man-machine interface software program. The supplier shall be a firm which can demonstrate significant experience in the design and installation of computerized radio telemetry instrumentation and control systems associated with the wastewater industry, with a minimum of five projects during the last five years in performing such work.

The system shall be complete with any incidental items necessary to provide proper and reasonable operation of the component parts. This may include, but shall not be limited to: power supplies, filters, isolation transformers, delay or suppression devices, interconnecting devices, or any items which are ordinarily furnished as a part of a system, or which are necessary to successful operation of the system and/or equipment.

1.3.5.1.2 Submittals

All submittal information shall be submitted to the City representative by the Contractor, in accordance with Section 1.3.1. Extraneous or non-applicable material and information shall be omitted, or clearly denoted as inapplicable when such omission is impractical.

Shop drawings, where required, shall be accurately drawn to a scale or scales appropriate to show overall arrangement, pertinent features, details, and methods of connection or joining. Figure dimensions shall be used, as opposed to scaled dimensions.

For the following specific equipment items, shop, catalog, and other appropriate drawings, along with pertinent descriptive information shall be submitted to the City for review prior to fabrication:

- Telemetry and Control Panel
- Antenna and antenna cable
- Motor Controllers
- Power Panel and enclosed components
- Level Controller and Transducer
- Radio Transceiver

A single complete package shall be submitted including all of the above referenced equipment items. Submit the number of copies specified in Section 1.3.1.

1.3.5.1.2.1 Telemetry/Control Panel Information Submittal

The submittal shall contain a detailed diagram showing the proposed hardware and interconnections to be used for the Telemetry/Control Panel. The diagram shall contain references to discrete supplementary submittal information on each supplied component. The supplemental information shall contain, but not be limited to, physical and functional attributes of the hardware including manufacturer's name, specific model numbers and series numbers of proposed equipment, accessory items, cut sheets, and operating/maintenance instructions for each equipment item. Where more than one type or item exists on a single page, the item proposed shall be clearly indicated. Information on accessory items such as power supplies, fuses, batteries, relays, signal converters, and enclosures shall also be included.

A dimensioned outline drawing of the control panel enclosure, inner door, and backplate showing device locations within the enclosure and conduit connection locations shall be submitted, along with an elementary wiring diagram showing connections of all devices and equipment contained within the panel and clearly showing connection of all field located devices.

1.3.5.1.2.2 Antennas, Support Structures, And Associated Devices

The submittal shall contain complete information on antennas and antenna support equipment, including antenna cable, cable connectors, masts, brackets, and mounting hardware.

1.3.5.1.2.3 Motor Controllers

The submittal shall contain complete information on motor controller, including ratings, dimensions, features, options, and operation and maintenance manuals.

1.3.5.1.2.4 Power Panel

The submittal shall contain information on the Power Panel enclosure along with dimensioned interior and exterior elevations showing locations of all contained equipment/devices. In addition, it shall contain information on devices contained within the enclosure such as motor starters, transformers, panelboards/loadcenters, fuses, and similar items, including wiring and/or connection diagrams.

Mounting details shall be submitted, including information on mounting relative to the utility service meter.

1.3.5.1.2.5 Support Structure for Power Panel and Control Panel

The submittal shall contain a dimensioned layout, schedule of materials of construction, and anchoring hardware for the support structure for the Power Panel and the Control Panel. Supporting calculations demonstrating the adequacy of the proposed anchoring method, including concrete pad dimensions and seismic considerations, shall be submitted for the designed location.

1.3.5.1.2.6 Instrumentation Devices

The submittal shall contain information on the level controller and ultrasonic transducer including model numbers, features, ratings, and dimensions, along with all manufacturer's installation, operation, and maintenance manuals. Submit a configuration sheet showing proposed parameters for operation of the controller specific to this application.

1.3.5.1.2.7 Radio Transceivers

Submit information on radio transceivers, including manufacturer and model number, and the radio frequencies to be programmed.

1.3.5.1.2.8 Operations & Maintenance Information

The Contractor shall provide the number of copies of Operation and Maintenance Manuals specified in Section 1.3.1. The following operations and maintenance

information shall be furnished for all installed equipment specified in the contract documentation:

- Complete identification, including model and serial numbers.
- Installation and initial start-up instructions.
- Complete instructions regarding operation and maintenance requirements, including procedures and recommended intervals.
- Identification of any special materials, software, or tools required for maintenance.
- Record wiring diagrams
- Parts lists.
- Warranty information, including the name, address, and telephone number of the manufacturer's representative to be contacted for warranty, parts, or service information.

Operation and maintenance information shall be comprehensive and detailed, specific for the items of equipment installed on the project. Material not directly applicable shall be removed, omitted, or clearly marked as inapplicable.

It is the responsibility of the Contractor to ensure that all operation and maintenance materials are obtained and formally transmitted to the City. Material submitted must meet the requirements of Section 1.3.1 and the approval of the City prior to project acceptance.

1.3.5.1.3 Record Information

The Contractor shall be furnished one full set of plans to be used as record drawings. During construction, the Contractor shall maintain an accurate and complete record of all changes in red ink on this set of record drawings. All dimensions shall be field-verified and clearly shown on the drawings. The red-marked set shall be submitted to the City prior to project closeout and approval of final payment.

Three copies of complete record wiring diagrams for all equipment and electrical circuits shall be submitted to the City when the as-built installation differs from that shown on previously submitted drawings or on the plans. Record diagrams shall be clearly marked indicating all such differences, and shall be coordinated with the plat record drawings.

The Contractor shall also maintain records of the hardware and firmware versions, settings, and configurations for the equipment provided. These records shall be updated as necessary during testing and start-up of the system to indicate the final

configuration at closeout of the project. These records must be submitted prior to final contract closeout.

The record drawings shall be checked by the Contractor and bear his approval prior to submittal to the City.

1.3.5.1.4 Substitutions

It is the intent of this set of specifications that equipment be provided as specified for uniformity with the existing radio telemetry system. The City will consider proposals for substitution of certain materials, equipment, and methods only when such proposals are accompanied by full and complete technical data and other information required by the City to evaluate the proposals.

Substitution requests will not be considered for telemetry equipment (RTU's and radio) or motor starter equipment.

To obtain acceptance of items for substitution, the Contractor shall submit requests not later than seven days after the start of Contract execution.

Submission of a substitution proposal shall not relieve the Contractor from the requirement to provide equipment as specified. Substitution proposals will be reviewed by the City for conformance with the functional requirements and intent of these specifications. It is the Contractor's responsibility to demonstrate that the proposed substitute equipment will meet the requirements and the intent of these specifications. The City retains the exclusive right to approve or disapprove all proposed substitutions; all decisions by the City regarding these matters are final. Therefore, the Contractor is responsible for abiding by any decision made by the City regarding proposed substitutions for any equipment and/or system component.

A shop test of the power panel and control panel shall be conducted prior to shipment of the equipment to the job site. The shop test shall be conducted by the panel fabricator and witnessed by the City's representative. Drawings of the panels shall be provided at the shop test. The City representative will compare the drawings to the actual panels. Drawings and actual panel fabrication must match prior to panels being shipped to the job site.

1.3.5.1.5 Tests/Inspection

The shop test shall demonstrate proper operation of the power panel and control panel. Controls shall be operated in each state (for example, hand, off, and automatic for HOA switches); inputs shall be tested by shorting across inputs or actuating devices connected as inputs; and outputs shall be tested by measuring resistance across terminals or contacts. Analog inputs shall be tested at not less than three points, nominally near zero, mid-range, and full range. Test result shall be documented in writing by the panel fabricator. The City representative may choose to bring a laptop computer to the test and monitor I/O on the RTU by connecting the laptop to the RTU. Deficiencies indentified as a result of the shop test shall be corrected and retested prior to shipment of the panels to the job site.

The system shall be field tested after installation. Equipment at the site shall be checked for proper operation and functionality. This functional test shall be performed in the presence of a City representative to demonstrate that the entire system is in proper working order and that it will perform the functions for which it was designed. Since the control system will be operating using an existing telemetry system, the field test must be coordinated with the City to ensure that the testing does not negatively impact operation of the existing wastewater telemetry system.

The Contractor shall obtain and pay fees for applicable permits and inspections required by any authority having jurisdiction.

1.3.5.2 Materials

1.3.5.2.1 Basic Materials and Methods

Provide new materials and equipment approved and labeled for the purpose for which they are to be used by a nationally-recognized electrical testing laboratory. Similar items of equipment shall be of the same manufacturer and quality. The equipment and materials shall meet applicable NEMA, IEEE, and ANSI standards.

Furnish materials, devices, equipment, or supplies of materials that are inherently non-corrosive, or are coated or covered in a manner acceptable to the City which renders them non-corrosive. Do not install materials in a manner, location, or construction that produces galvanic action or any other materials which have the potential to facilitate corroding or eroding action.

Equipment or devices fabricated in the field shall be equal in every respect to manufactured items used for the same purpose. Where cutting, drilling, grinding, etc., is

done to galvanized or painted metal, it shall be regalvanized or painted to match original finish.

1.3.5.2.2 Raceways

Rigid steel conduit shall be hot-dipped, galvanized, or sherardized steel conduit meeting ANSI C80.1. Couplings shall be unsplit, NPT-threaded, steel cylinders with galvanizing equal to conduit. Threadless couplings are not permitted. Nipples shall be factory-made through 8-inch length. Running threads are not permitted. Intermediate steel conduit is not permitted.

Liquid-tight flexible metal conduit shall be flexible, galvanized steel convolutions covered by a liquid-tight PVC layer with manufacturer's marking at 3-foot or less intervals. Connectors shall be UL approved for grounding and employ a ferrule which covers the end of the conduit inside and out. Conduit shall be Electri-Flex Type LA or American Sealtite, Type UA.

Flexible metal conduit shall be flexible galvanized steel convolutions forming a continuous raceway. Connectors shall be galvanized screw-in type, approved by UL for grounding. Flexible aluminum or light-wall steel conduit is not acceptable.

Rigid plastic conduit shall be Schedule 40 or Schedule 80 PVC rigid conduit suitable for underground installation without concrete encasement, and shall meet NEMA TC-2 standards for plastic conduit. Manufacturers are Carlon, Johns-Manville, or equal.

Raceway supports shall be stainless steel, galvanized steel, or aluminum structural shapes, and cast hardware.

1.3.5.2.3 Conductors

Power wiring for service, feeder, and motor circuits shall be Class B stranded copper conductor, with Type RHH-RHW-USE insulation.

Branch circuit conductors shall be Class B solid copper conductor, THHN-THWN insulated in sizes No. 10 and No. 12 AWG. Minimum conductor size for all power wiring shall be No. 12 AWG.

Control wiring shall be Class C stranded copper conductor with Type MTW insulation. Minimum conductor size shall be No. 14 AWG, except conductors which connect to the RTU or radio terminals or connectors shall be sized and fused to match the terminals or

connectors (20 gauge nominal). DC circuits shall be color coded, red for positive and black for negative.

Low-voltage instrument wire shall be multi-conductor cable with overall neoprene or PVC jacket. Individual conductors shall be PVC or polyethylene/nylon insulated. Unshielded instrument cable shall be Beldon 9486 (#18 AWG), Beldon 9488 (#14 AWG), or equal. Shielded single pair instrument wire (2/C#18) shall be Belden 9341 or equal.

Ground rods shall be copper-clad steel, 3/4 inch round, 10-feet long. Grounding clamps shall be equal to T&B 3900 UB Series. Grounding wire and cable shall be solid copper for No. 4 and smaller diameter.

Connectors for splicing copper conductors shall be: "Scotchlok" insulated spring connectors for No. 18 through No. 6 AWG solid conductors; insulated, solid-barrel, crimp-type, plated copper alloy connectors for No. 18 through No. 6 AWG stranded conductors.

Connectors for terminating copper conductors shall be insulated, solid-barrel, crimp-type, spade tongue-plated copper alloy terminal for No. 18 through No. 10 AWG.

Insulating materials for splices shall be "Scotchfill", or equal, for filling bolted or irregular areas before taping with Scotch No. 88, 33 plus or equal 7-millimeter vinyl plastic tape.

Wire markers shall be slip-on sleeve, shrink to fit style. Brady, or approved equal.

1.3.5.2.4 Fittings

Fittings shall be galvanized, cast iron alloy with threaded hubs, neoprene gasket and galvanized cast iron alloy cover. Miscellaneous fittings shall be as follows:

- Clamp backs shall be galvanized cast iron alloy, one-hole style.
- Locknuts shall be extra-heavy, hot-dip galvanized steel through 2 inches trade size and hot-dip galvanized malleable iron above that size.
- Bushing shall be hot-dip galvanized iron with insulating thermosetting collar. Provide grounding connector on bushing where terminating at enclosures.
- Seals shall be provided in conduit runs where runs exit or enter from outdoor areas. Seal shall be EYA or EYS type; sealant shall be clear or colorless RTV silicone or equal.

1.3.5.2.5 Anchors, Supports, and Attachments

Attachments to building surface and structural shapes or members shall be as follows:

- Wood: Lag screws, Type A tapping screws.
- Masonry: Rawl hollow-set drop-in expansion anchor.
- Hollow Partitions: Molly or toggle bolts.
- Concrete: Rawl Lok-Bolt expansion anchors.
- Structural Shapes or Members: Clamps or U-bolts.
- Other Steel: Machine screw-in tapped hole.

Attachments shall be stainless steel or hot-dipped galvanized.

1.3.5.2.6 Motor Controller

Motor Controller shall be Square D/Schneider Electric LC1 Series Motor Starter with LRD Series electronic overload with remote reset. Starter shall include HMCP short circuit protection, fused control power transformer, auxiliary run contacts.

1.3.5.2.7 Main Circuit Breaker

Main circuit breaker shall meet NEMA Standard AB-1. The unit shall be a molded case circuit breaker with thermal magnetic trip. The circuit breaker shall have a short circuit withstand rating as required for the available short circuit current at the point of connection to the Electric Utility.

1.3.5.2.8 Enclosures for Power Panel and Control Panel

Power Panel shall be NEMA 3R double door enclosure nominally 48"W x 72" H. Control Panel shall be NEMA 3R single door enclosure nominally 36"W x 72"H. Depth of the enclosures shall be equal and as required for the devices and/or enclosures contained therein, but not less than 20". The enclosures shall be provided with a pad-lockable, three-point latching system and handle, and panel backplates and mounting hardware as required for the installation. The control panel shall have an internal swing door for mounting of pilot devices and the level controller.

The enclosure shall be manufactured of stretcher leveled steel of 12 or 14 gauge thickness welded into a self-supporting rigid structure. Doors shall be piano hinged with stainless steel hinge pins. Reinforcement shall be provided around areas of the enclosure weakened by openings or mounting of heavy equipment/components. The

panel subplate shall be sized to fit within the enclosure and shall be mounted on collar studs for easy installation and/or removal. Print pockets shall be provided on the door.

Panels shall be descaled, cleaned, and primed in preparation for painting. Painting shall consist of one coat of flat white enamel in the interior and two coats of hard finish exterior enamel, gray in color. Paint shall be suitable for field touch-up. Spare paint (one pint) shall be provided for exterior touch-up purposes.

1.3.5.2.9 Limit Switches

Proximity switches shall be provided for use as intrusion sensing devices at the Valve Vault, Main electrical and control enclosures, and at the wet well.

Proximity sensors shall be Turck Bi15-Q20-Y1X-H1141 2-wire NAMUR proximity sensor, 5-30 VDC, 4-pin M12 quick disconnect with Turck RK 4T-10 cable, 10 meter, 4-wire with M12 quick disconnect. (Note -- Modify Part number to meet actual cable length required for continuous run of cable from Proximity Sensor to Seal-off Electrical Vault.)

Limit switches shall be provided for use as intrusion sensing devices at the Control Panel and Power Panel enclosures. Limit switches shall be Hoffman, or approved equal.

1.3.5.2.10 Power Center

The power center shall be Cutler Hammer "Mini Power Center", or approved equal.

1.3.5.2.11 Fuses

Fuses shall be as follows: Power fuses, Class RK-5 silver element. Control fuses, Bussman FNQ or equal.

1.3.5.2.12 Current Sensor

Current sensor shall be used as undercurrent to indicate pump fail-to-start condition.

Current Sensor for undercurrent detection shall be Bender Incorporated CME420 with 0.1-16 amp range and adjustable trip point, start-up delay, response delay, release delay, and SPDT contacts rated 5 amps. Where motor full load amps exceed 10 amps, provide appropriately rated current transformers.

1.3.5.2.13 Panel Heater

Panel Heater shall be 120 volt, single phase with built-in thermostat, fan, and aluminum enclosure. Hoffman D-AH2001A, or equal.

1.3.5.3 Workmanship

1.3.5.3.1 Clean-Up

Vacuum equipment clean after installation; remove metal cuttings with a magnet or suitable means before assembling equipment; wipe insulating supports, bushings, etc. with a clean lint-free cloth; clean debris, shavings, etc. from equipment and enclosures before startup.

1.3.5.3.2 Raceways

Rigid steel conduit shall be used for all work except as noted in this item of the Specifications.

Rigid plastic conduit may be used as follows:

- Between the wetwell and the power and sensing manhole,
- Between the valve vault and the control enclosure, and
- For utility service circuits as permitted by the serving utility.

Where rigid plastic conduit is used, transition to rigid steel PVC coated conduit at stub-ups and locations where the conduit changes from buried to encased in concrete or exposed. Do not extend plastic conduit above grade, or into equipment.

Flexible conduit shall be provided for connections to equipment which is subject to vibration in normal service. Runs shall be kept as short as practical and shall not be used in place of elbows, offsets, or fittings to attach to fixed equipment. Flexible conduit shall not be strapped to structures or other equipment.

Circuits shall run in individual raceways unless specific combinations in one raceway are shown. Raceways shall not be ganged into wireways, pull boxes, junction boxes, etc., without specific approval.

Conduit connections to enclosures shall be made at the nearest practicable point of entry to the enclosure area where the devices are located, to which the circuits contained in the conduit will connect.

Where raceway exits from grade or concrete, provide the following: For runs exiting from grade, slabs or encasement, provide a rigid steel elbow and adapter. In "wet" areas, elbow shall be 20 mil PVC coated.

Direct-buried rigid steel conduit shall be installed where underground runs are shown. Rigid steel conduit, underground or encased in concrete, shall have a half lapped wrap of Scotchrap No. 51 plastic tape or a coat of Koppers Bitumastic No. 505 or factory PVC coating, 20 mils minimum thickness.

Install raceway as a complete, continuous system without wires, mechanically secure and electrically connected to all metal boxes, fittings, and equipment. Blank off all unused openings, using factory-made knockout seals. Keep conduits clean and dry until conductors are installed using caps, bushings, and "penny" or other suitable means.

Provide double locknuts and insulating bushings at all conduit connections to boxes and cabinets. Bushings shall be grounding type where connecting to concentric or eccentric knockouts. In "wet" areas, locknuts shall be sealing type or Myers hubs shall be used.

Use approved split or union type couplings only where permitted by the Engineer.

Cut ends of conduit square with hand or power saw or approved pipe cutter. Ream cut ends to remove burrs or sharp ends. Thread cuts on conduit in the field shall have same effective length and thread dimensions and taper as specified for factory-cut threads. Transitions from plastic to steel shall be made with a plastic threaded male adapter to a steel conduit coupling.

Provide anchors, hangers, supports, clamps, etc. to support the raceways from the structures in or on which they are installed. Provide sufficient clearance to allow conduit to be added to racks, hangers, etc. in the future.

Conduit couplings, fittings, and boxes where threaded male to female connections are made shall be waterproofed and rustproofed by application of a watertight, conductive thread compound. Clean threads of cutting oil before applying thread compound and making up joint.

1.3.5.3.3 Conductors

Insulated conductors and cables shall be installed in raceway systems after the system is complete. Damage due to missing bushings, burrs on conduit ends, etc. shall be cause to require removal and replacement of conductors. Damaged ends shall be considered

sufficient indication of damaged insulation to require replacement. Cable lubricants, pulling sleeves, pullboxes, etc. shall be used to keep pulling tensions within allowable limits. Pulling compounds shall be Ideal Yellow 77 or equal. Pulls shall be by hand using cable grips or wrapping extra conductor around to form an eye. Cable and conductor ends shall be cut off after pulling and all compound cleaned from conductors before terminating.

Power circuits shall be continuous without splices from equipment terminal to equipment terminal. Instrumentation and control circuits shall be continuous except for termination on terminal strips in control panels or at terminal cabinets. Branch circuits may be spliced at taps.

Do not use white or green color for any conductor not intended for neutral or grounding purposes. This limitation applies to power, lighting, and control wiring, except smaller gauge (No. 18 or less), low voltage control circuits.

Use wire with the insulation of required color for conductors No. 8 AWG or smaller. DC circuits shall be color coded red for positive and black for negative.

Control wiring must be of colors different from power wiring or be supplied with a trace of color in addition to the basic color of the insulation. In general, use same color throughout a given system for any signal or control wires performing the same function.

Install wire neatly in all enclosures. Bend or form wires in neat runs from conduits to terminals. Arrange wires so that they may be grouped by conduit or by function in the enclosure. Install cable ties and straps to support and bundle wiring in enclosures. Arrange wires to allow wire tags and numbers to be easily read without bending or flexing wiring.

Terminate wiring with connectors made especially for the wire size and terminal size on which they are installed.

1.3.5.3.4 Anchors, Supports and Attachments

Install attachments to structures or surfaces in a manner which does not damage the structure or surface. Trim all excess length of studs, rods or bolts.

Provide stainless steel or galvanized fasteners in all outdoor, wet, or below grade locations, and any location exposed to the process. Support each raceway or device independently.

Do not drill, tap, punch or shoot structural metal or pre-stressed concrete structures; use clamping devices only to metal and expansion shields or inserts on concrete.

1.3.5.3.5 Power Panel

Power panel shall be assembled with open style devices, except for Mini Power center. Wiring shall be routed open or in plastic wireways. Distribution blocks, and other devices with open terminals shall have plastic, or similar material, guards to cover the terminals and prevent accidental contact. The assembled panel shall bear the label of an approved Electrical Testing Laboratory.

1.3.5.4 Payment

Payment shall be made at the unit price or lump sum bid price as stated in the Contractor's bid proposal. Payment shall be considered full compensation for all labor, material, and equipment to install the electrical system, complete and operational.

1.3.6 Telemetry and Control System

1.3.6.1 General

1.3.6.1.1 System Capabilities

The existing wastewater telemetry system communicates via radio. The Contractor shall provide the radio for the new station. The City will configure the radio so that communications may be established with the existing telemetry controller.

The existing controller for the wastewater telemetry system, together with the control computer, provides for recording all analog variables and status inputs and maintaining a database of values for reports. Programming of the control computer man-machine interface shall not be the responsibility of the Contractor, but shall be performed by the City.

1.3.6.2 Materials

1.3.6.2.1 Enclosure

The telemetry equipment shall be contained in the control panel enclosure specified under 1.3.5.2 above.

1.3.6.2.2 Conductors

Conductors shall be as specified in 1.3.5.2 above.

1.3.6.2.3 Protection, Control, and Instrumentation Devices

Miscellaneous protection and control devices shall be as follows:

- Power fuses, Class RK-5 silver element. Control fuses, Bussman FNQ or equal.
- Lightning arresters shall be General Electric Company Catalog No. 9L15BBC008, Joslyn, Phoenix Control-Trabtech, or equal.
- Control relays shall have contacts rated 10A - 120VAC, unless higher ratings are required for the circuit being serviced. Coils shall be rated for the voltage of the coil circuit. Relays shall be Schneider Electric RUM or equal mounted in RUZ DIN rail mounted sockets. Relays shall have LED indicators of coil state. Provide surge suppressers and hold down springs.
- Time delay relays shall be Schneider Electric RUW101MW in combination with RUM relays and RUZ base units.
- Pilot devices (selector switches) shall be heavy duty, oil-tight type per NEMA ICS-1. Allen-Bradley, or equal.
- Phase monitoring relay shall be SSAC Model PLMU11.
- Float switches shall be Gems Sensors and Controls (Warrick Controls) Series M mechanical tilt float switches, form C wide angle.

1.3.6.2.4 Remote Telemetry Units

The telemetry equipment (RTU) shall be a Zetron model 1716 unit for conformity with the existing radio telemetry system. It shall be supplied with full capability for accumulator register and pulse counter data access.

1.3.6.2.5 Power Supply and Surge Protection

Provide a 120 Volt AC input, 12 VDC output power supply, Sola SPD3-15-100T. Provide a 7 Amp-hour battery backup system.

1.3.6.2.6 Level Controller

The level controller shall be Siemens HydroRanger 200 Level Controller with a XPS 15 (F Model) Transducer (for ranges up to 50 ft). Backup of the HydroRanger 200 shall be accomplished by a single level float and time delay off, which will run both pumps when the float is activated.

Float switches shall be Warrick Controls part # MBLU40W (hung with weight attached for tether method – NOT tethered to float switch mast).

Timer shall be Schneider Electric / Telemecanique:
Base RUZC3M – 11 Pin Base
Relay RUMC3AB2F7 – 11 Pin 120vac Relay
Timer Module RUW101MW – Multi Function Timer

1.3.6.2.7 Radio Transceiver

Radio transceiver shall be Microwave Data Systems Model MDS 9710B "SMART" Remote Data transceiver with programmable synthesized frequencies. The unit shall operate from 12 VDC, have a four-wire interface, and four LED indicator panel. The unit shall include a Remote Maintenance Diagnostics Module. Provide an interface cable for connection of the radio to the Remote Telemetry Unit.

1.3.6.2.8 Antenna Systems

A YAGI directional antenna shall be provided for the telemetry system. The antenna shall be a commercial antenna: Andrew DB-499K, or Kathrein SCALA TY-900. Antennas shall be provided with manufacturer's standard stainless steel or galvanized steel mounting hardware for mounting antennas on up to 2.375" diameter standards or poles.

The Contractor shall be responsible for providing all equipment necessary for installation. This includes provision of all incidental items necessary for proper installation and operation, which may include, but shall not be limited to, structural supports, masts, anchoring hardware, supporting members, connection cables, cable connectors. Antenna mast bell reducers, if utilized, shall be drilled and tapped (1/4" minimum) in four locations and stainless steel bolts installed to prevent turning on the mast.

1.3.6.2.9 Antenna Cable

Provide antenna lead in cable and jumpers at each site.

All antenna coax shall be premium quality. The main antenna cable shall be 1/2" corrugated hardline with foam insulation. The inner and outer conductors shall be copper. The cable shall be Andrews Heliax or Cablewave FLC 12-50.

Provide two male Type "N" connectors for the main antenna cable that are recommended by the manufacturer. Provide two connector weatherproof kits for connections at the antenna.

Provide 18 inch antenna jumper cable with one male "N" connector to connect to antenna and a female "N" connector to connect to lead in cable. Jumper cable shall be Cablewave S-FLC12, or equal.

Provide 24 inch radio jumper cable with two male "N" connectors to connect between radio and antenna cable lightning arrester. Jumper cable shall be Cablewave S-FLC12 or equal.

Provide a coax cable grounding kit for each site to ground the antenna cable to the mast. Ground kit shall be Cablewave #916383, or equal.

Provide an antenna lightning arrester for each site. Antenna lightning arrester shall be Polyphasor #S-50NX-C2.

1.3.6.3 Execution

1.3.6.3.1 Control Panel

The telemetry equipment remote unit, radio, battery, relays, and associated wiring and components at the site shall be provided in the control panel. The assembled panel shall bear the label of an approved Electrical Testing Laboratory. This section of the specifications applies to the control panel.

1.3.6.3.2 Component Installation

Components mounted in the interior shall be fastened to an interior subpanel using machine screws plus adhesive to insure vibration-free attachment. No fastening devices shall project through the outer surfaces of the cabinet. Interior component mounting and wiring shall be grouped as much as possible by function and then by component

type. Interiors shall be so arranged that control relays, terminal blocks, fuses, etc. can be replaced or added without disturbing adjacent components. Spare mounting space equal to at least 20 percent of each type of component shall be provided for all components in the system. This provision applies primarily to relays, gutter space, internal selector switches, fuses, and similar components.

Devices, including fuses, power supplies, relays and terminal blocks, installed on the panel subplate, shall be provided with a minimum spacing between the component and the wire duct of 1 inch. Minimum spacing between adjacent components shall be 1 inch. A minimum of 2 inches shall be provided between terminal strips and wireways or between terminal strips. DC fuses shall be mounted completely separate from AC fuses and not in the same horizontal plane.

Panel wireways shall be provided between each row of components, and adjacent to each terminal strip. Wireways shall be a minimum of 1 inch wide and 2 inches deep with removable snap-on covers and perforated walls for easy wire entrance. Wireways shall be constructed of non-metallic materials with a voltage insulation in excess of the maximum voltage carried therein. Wiring duct shall be Panduit "E" Type LG, Panel Channel, or equal.

Terminals shall be provided for the termination of external power, control, and instrument wiring. Where terminal blocks are used for low energy resistance, current, or voltage circuits, they shall be physically separated from line voltage circuit or current transformer secondary circuits. Where multiple terminals are required for a given wire number, additional terminals shall be provided and jumpered as necessary to provide terminal spaces for each individual outgoing wire. Terminal numbers shall correspond to those shown on the elementary wiring diagram. Provide space for a minimum of 10 percent additional terminals distributed at each group of terminals.

Power terminals shall have brass screws with straps suitable for No. 12 through No. 18 AWG wire. They shall be Buchanan, General Electric, Marathon, or Siemens. Control and instrument terminals shall be modular, rail mounted units, Phoenix, Entrelec, or equal.

Control power fuses shall be FRN for ratings above 10 amperes or FNQ for 10 amperes and below. FRN fuses shall be mounted in phenolic blocks and a fuse puller mounted adjacent to them. FNQ fuses shall be mounted in a buss HPC fuseholder. Label all fuseholders with fuse identification number and fuse size and type. Provide 3 spare fuses of each type and size in each panel. Provide box or fuse clip mounted on panel interior marked "SPARE FUSES" to hold the spares.

1.3.6.3.3 Wiring

Panel wiring shall comply with National Electrical Code.

Panel wiring terminating on device or terminal block screw terminals shall be terminated using slip-on spade tongue insulated crimp (compression) terminators. Run wiring within the panel in wiring duct neatly tied and bundled with tie wraps or similar materials.

All wires to internal components shall be connected to the "inside" or panel side of the terminal strip. All wires to external components shall be connected to the "outside" or field side of the terminal strip. No more than two wires shall be connected to any one control terminal point.

Wiring inside the panel shall be arranged to separate low voltage control signals of the milliamp-millivolt or other low energy type from inductive power circuits, and all panel wiring shall be effectively shielded and grounded to a panel common which will be grounded by the electrical contractor in the field.

Shielding of instrumentation circuits shall be connected to insulated terminals provided adjacent to the circuit terminals, i.e. three terminals for 0-5VDC, 4-20 mA, or similar analog circuits. In general, analog circuits shall be run directly from instrument to instrument without termination. Loop wiring connections to devices shall be made by joining two runs of cable to the device, terminating one conductor of each cable on the device and splicing the other conductors.

1.3.6.3.4 Marking and Identification

Wiring which is an internal part of a device and is not connected to external terminal blocks may be wired using the manufacturer's standard wire designations. Wire which connects to external circuits, to terminal blocks, or other devices which are connected to external circuits shall be identified by the numbers shown on the elementary wiring diagrams. Every wire termination, including all jumpers, shall be identified with wire markers. Wire markers shall be installed over wire terminators or directly adjacent to them. Markers shall be arranged to permit reading of identification without the flexing or twisting of wires.

Nameplates shall be rigid phenolic plastic laminate with engraved lettering or engraved metal plate with filled lettering. Background shall be black. Lettering shall be white. Edges shall be beveled showing a white border. Abbreviations are not permitted unless

approved by the Engineer or specifically shown on the nameplates, schedules, or drawings. The engraving shall be as shown on the plans for the identification of each panel.

Nameplates shall be installed plumb and parallel to the lines of doors or structures to which they are attached. Nameplates shall be attached to the sheet metal structure by a thin coat of adhesive and sheet metal screws. Adhesive and screw application shall be made in a manner to avoid buckling or distorting nameplates due to use of excessive adhesive or over tightening of screws.

A nameplate shall be provided for each panel. It shall be 2"×10" minimum size with ½" minimum engraved letters. Nameplates shall be provided for all relays, timers, transformers, fuses, terminal blocks, switches mounted internally, and other components which are mounted to the internal mounting panel. These nameplates shall be sized to the scale of the device to which they refer. Lettering shall be white. Backgrounds shall be black. The engraving shall be as shown for the device on the elementary wiring diagrams.

1.3.6.3.5 System Integration

The telemetry and control system installation shall be performed by an installer who has been trained in system design, installation, operation, and maintenance of the RTU equipment.

The Contractor shall assume full responsibility for the proper installation, maintenance, and operation of all equipment provided under this contract, prior to acceptance. The operation of the man-machine interface, insofar as the program written for the City's Radio Telemetry System, shall not be the responsibility of the Contractor.

1.3.6.3.6 Radio System

The radio shall be installed in the control panel. The City shall install the cables and make connections of the antenna to the antenna cable, the antenna cable to lightning arrester, lightning arrester to antenna jumper cable, and antenna jumper cable to radio using connectors. The City will adjust the radio for proper transmission and reception of radio signals. The Contractor shall be prepared to assist the City in coordinating the work of this Contract with the work of the City, including, but not limited to, adjusting the RTU transmit and receive gain settings, adjusting antenna mounting height and directional orientation. This assistance shall include one additional callback of at least four hours for re-adjustment of the system within the first three months of operation.

1.3.6.3.7 Field Calibration And Startup

After equipment has been installed at the site, the Contractor shall test the telemetry system as described in 1.3.5.1. All analog inputs shall be verified with external devices providing signals of 4.0, 12.0 and 20.0 mA. All discrete inputs shall be verified by simulating contact closure and opening.

1.3.6.4 Payment

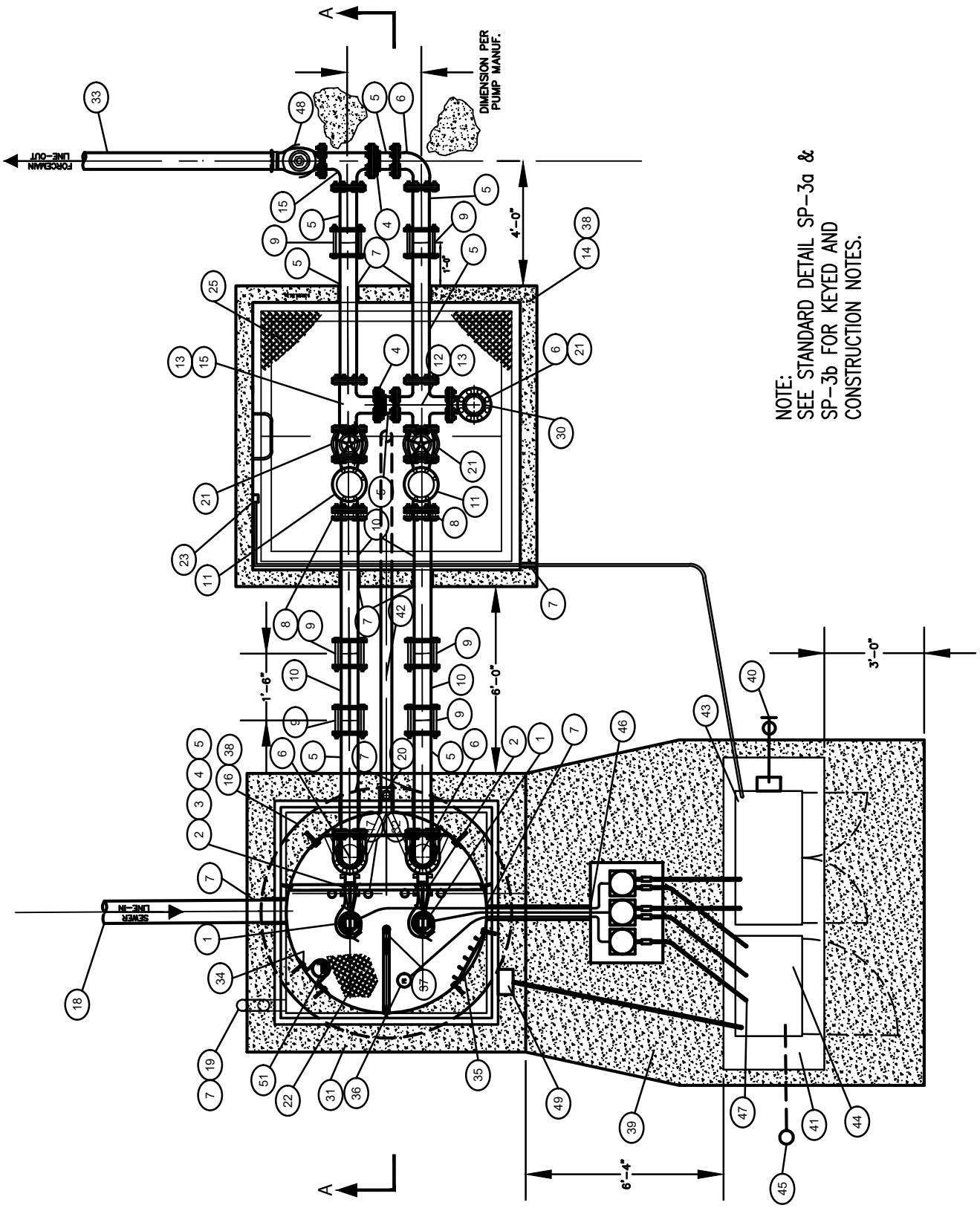
Payment shall be made at the unit price or lump sum bid price as stated in the Contractor's bid proposal. Payment shall be considered full compensation for all labor, material, and equipment to install the telemetry and control system, complete and operational.

1.4 STANDARD DETAILS

Despite the specific information provided herein, the drawings, specifications and details ("Designs") only show minimum requirements, should be considered conceptual in nature, and may require revision and/or modification to conform to project conditions and applicable laws, codes, ordinances, standards and other current requirements and/or best practices. Designs shall be checked, completed and stamped by a Oregon State Professional Engineer and Registered Electrical Engineer.

The following standard detail sheets are attached:

- SP-1 Pump Station Mechanical Plan
- SP-1a Industrial Pump Station Mechanical Plan
- SP-2 Pump Station Mechanical Section
- SP-2a Industrial Pump Station Mechanical Plan
- SP-3a Pump Station Mechanical Notes
- SP-3b Pump Station Mechanical Notes
- SP-4 Vactor Suction Pipe Detail
- SP-5 Thrust Restraint Pipe Support Detail
- SP-6 Pipe Brace Detail
- SP-7 Typical Steel Pipe Support Detail
- SP-8 Ultrasonic Level Transmitter and Bracket Detail
- SP-9 Cable Support Bracket Detail
- SP-10 Pump Station Sun Shelter Detail
- SP-11 Transducer Cable J-Box Detail

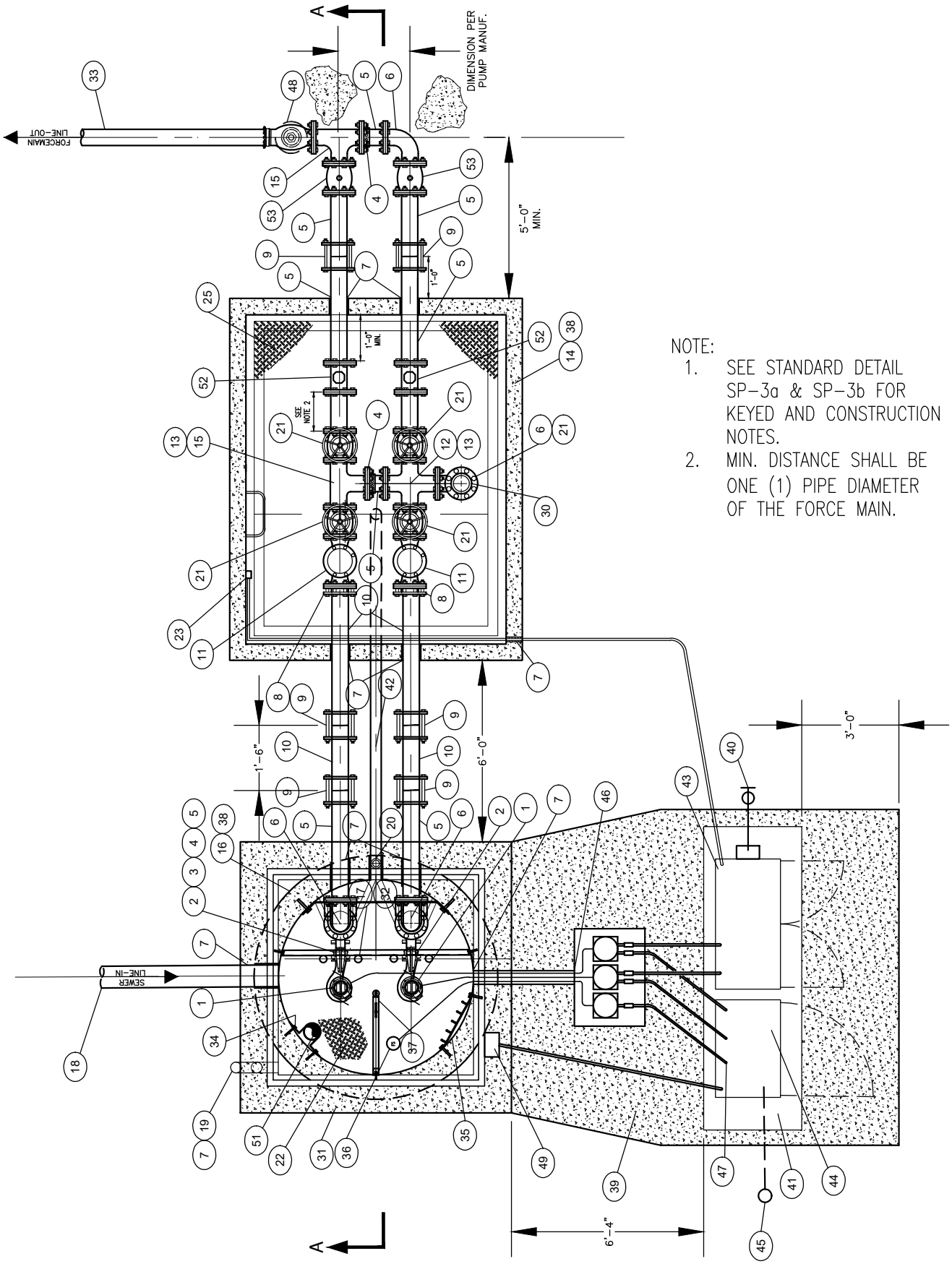


SP-1
PUMP STATION
MECH. NOTES

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SP-1



NOTE:

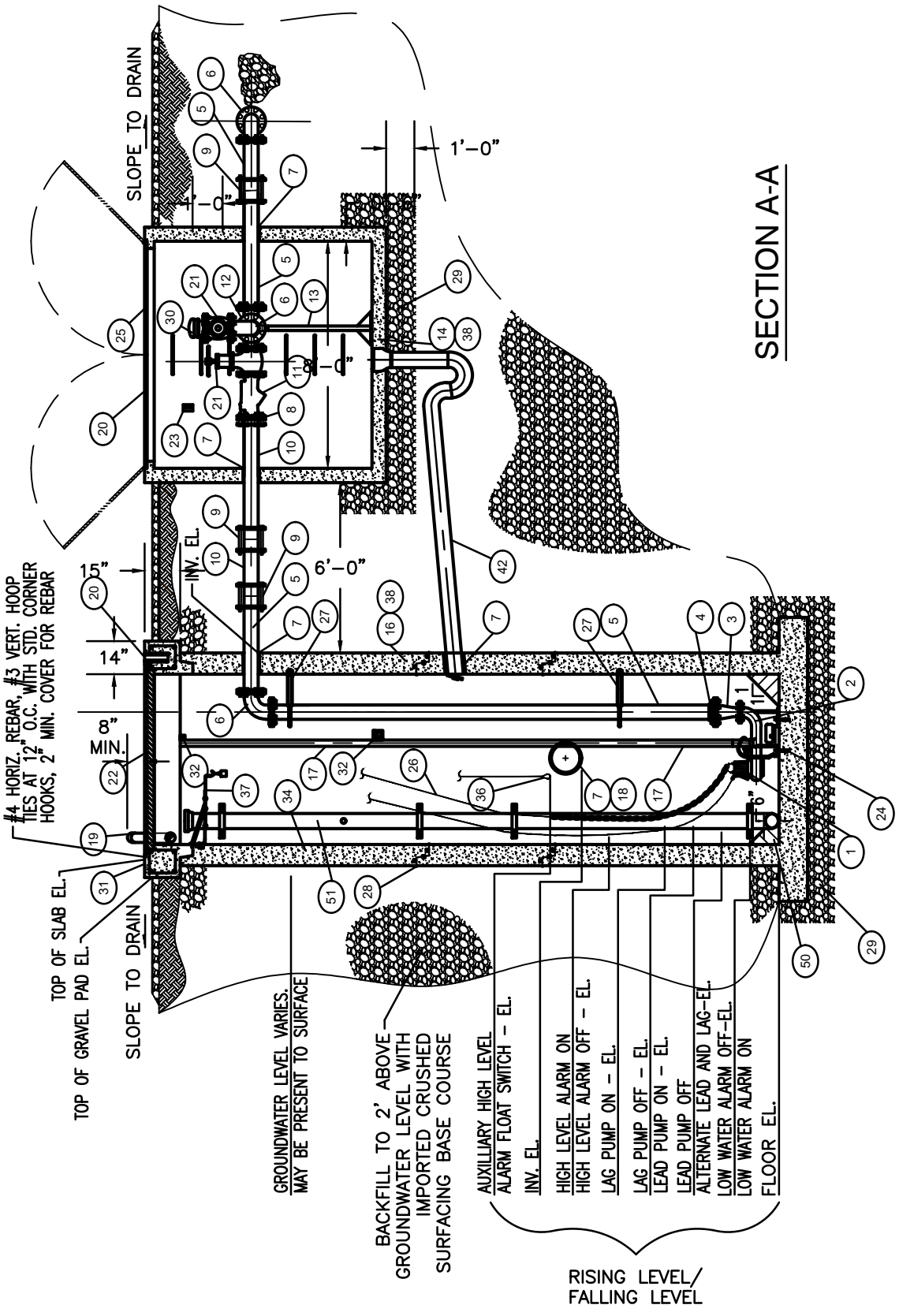
1. SEE STANDARD DETAIL SP-3a & SP-3b FOR KEYED AND CONSTRUCTION NOTES.
2. MIN. DISTANCE SHALL BE ONE (1) PIPE DIAMETER OF THE FORCE MAIN.

SP-1a INDUSTRIAL PUMP STATION MECH. NOTES

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SP-1a



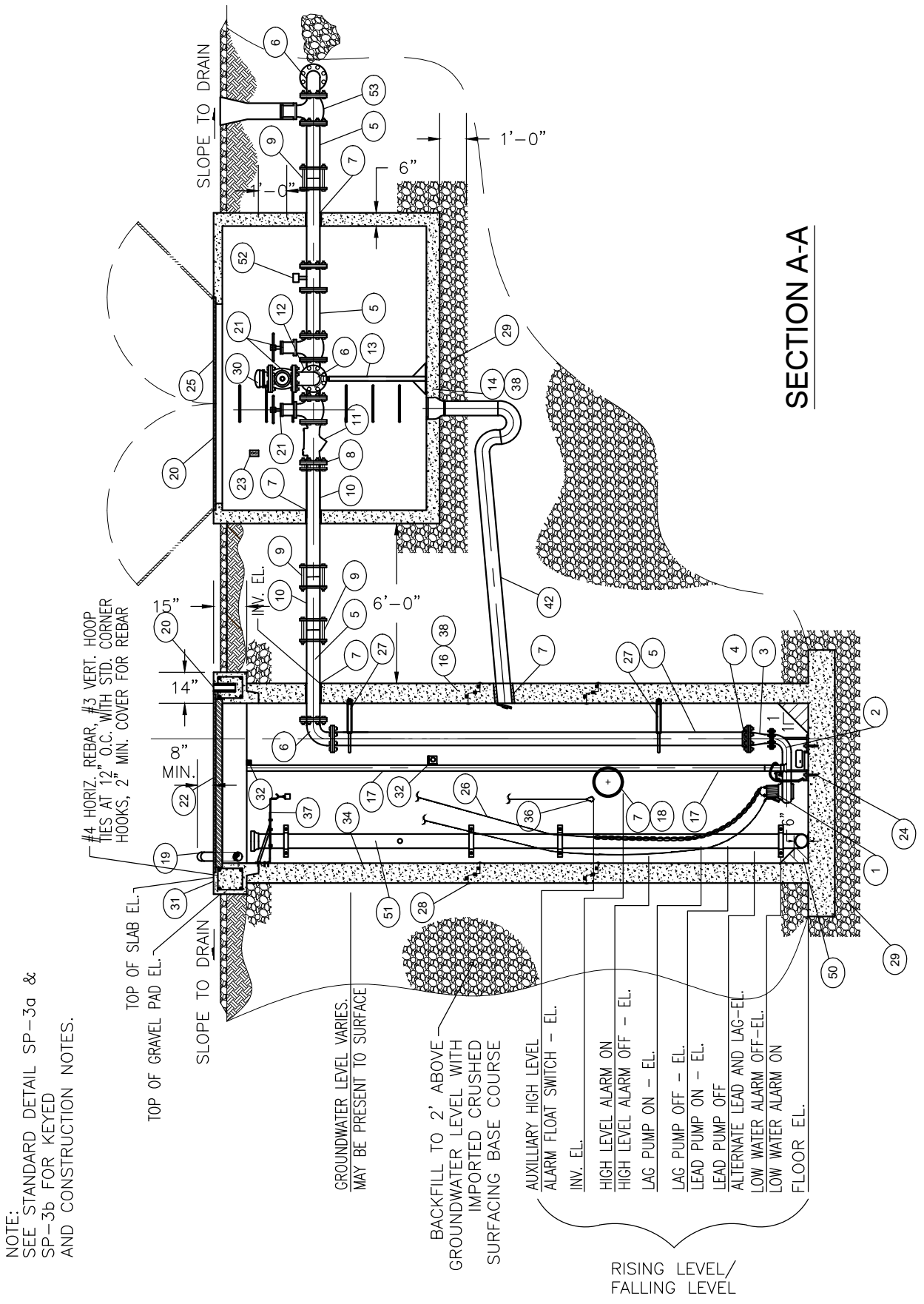
NOTE:
SEE STANDARD DETAIL SP-3a & SP-3b FOR KEYED AND CONSTRUCTION NOTES.

SP-2
PUMP STATION MECH. NOTES

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SP-2



NOTE:
SEE STANDARD DETAIL SP-3a & SP-3b FOR KEYED AND CONSTRUCTION NOTES.

SP-2A INDUSTRIAL PUMP STATION MECH. NOTES

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SP-2a

CONSTRUCTION NOTES:

1. CONSTRUCT ALL WORK IN ACCORDANCE WITH CITY OF UMATILLA STANDARD SPECIFICATIONS.
2. ALL BOLTS, NUTS, WASHERS, FASTENERS, ETC. WITHIN WETWELL SHALL BE STAINLESS STEEL.
3. FIELD ADJUST LEVEL SETTINGS TO OBTAIN OPTIMAL PERFORMANCE.
4. ALL PIPING AND FITTINGS TO VALVE DOWNSTREAM OF VALVE VAULT SHALL BE D.I.P. CL-52. ALL PIPING AND FITTINGS INSIDE WET WELL AND VAULT SHALL HAVE AN INTERIOR AND EXTERIOR EPOXY COATING. ALL PIPING AND FITTINGS UNDERGROUND SHALL HAVE AN INTERIOR EPOXY COATING AND AN ASPHALTIC EXTERIOR COATING.

KEYED NOTES FOR MECHANICAL PLAN AND SECTION:

1. SUBMERSIBLE PUMP.
2. QUICK DISCONNECT ELBOW AND MOUNTING SYSTEM PUMP DISCHARGE ELBOW AND MOUNTING BASE
3. REDUCER, FLGxFLG
4. UNI-FLANGE
5. PIPE SPOOL (FLGxPE), 4" MIN. DIA.
6. 90° ELBOW, (FLGxFLG) WITH THRUST BLOCK
7. WATERTIGHT WALL PENETRATION, MANHOLE ADAPTER "A-LOK", "KOR-N-SEAL" OR EQUIVALENT
8. FLANGE COUPLING ADAPTER
9. FLEXIBLE SLEEVE-TYPE PIPE COUPLING
10. PIPE SPOOL (PExPE), 4" MIN. DIA.
11. RUBBER FLAPPER SWING CHECK VALVE
12. CROSS, FLG
13. STAINLESS STEEL VALVE/PIPE SUPPORT. PER DETAIL.
14. PRE-CAST CONCRETE VALVE VAULT. PROVIDE OPENINGS AS REQ'D TO ACCOMMODATE PIPING AND ACCESS HATCH AS SHOWN.
15. TEE, FLG WITH THRUST BLOCK
16. PRECAST MANHOLE WITH MONOLITHIC BASE
17. STAINLESS STEEL PUMP REMOVAL SYSTEM, COMPLETE WITH MOUNTING BRACKETS AND INTERMEDIATE SUPPORT BRACES.
18. INLET PIPE
19. 4" STAINLESS STEEL, SCH. 40, SCREENED VENT
20. CONFINED SPACE ENTRY SYSTEM-LIFTING SUPPORT PEDESTAL FLUSH MOUNT STAINLESS STEEL SLEEVE AND CAP.
21. RESILIENT WEDGE GATE VALVE (FLGxFLG) WITH 12" HAND WHEEL
22. DOUBLE-LEAF, ACCESS HATCH
23. ELECTRICAL OUTLET
24. EPOXY-SET STAINLESS STEEL ANCHOR BOLTS
25. DOUBLE-LEAF ACCESS HATCH
26. STAINLESS STEEL LIFTING CABLE/CHAIN WITH S.S. CLEVIS FITTING AT EACH END.
27. DISCHARGE PIPE SUPPORT, PER DETAIL.
28. MANHOLE JOINT WITH EXTRUDED BUTYL RUBBER SEAL. GROUT JOINT INSIDE AND OUT, TYPICAL.
29. CRUSHED SURFACING BASE COURSE COMPACTED TO 95%
30. CAM-LOCK FITTING WITH PRESSURE CAP.
31. CONCRETE CURB FOR SUPPORT OF HATCH PER HATCH MANUFACTURER RECOMMENDATIONS. SEE SECTION DETAIL FOR REINFORCEMENT DETAILS.

Umatilla Est. 1862

SP-3a
PUMP STATION MECH. NOTES

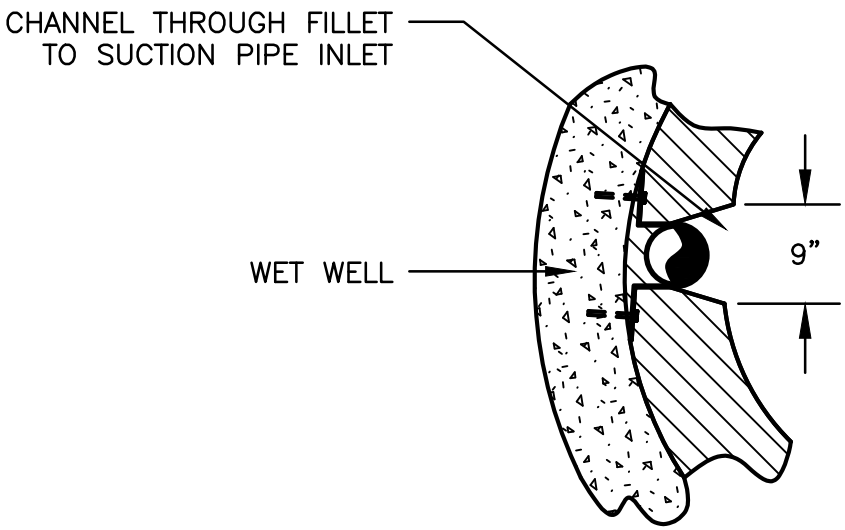
PUBLIC WORKS ENGINEERING

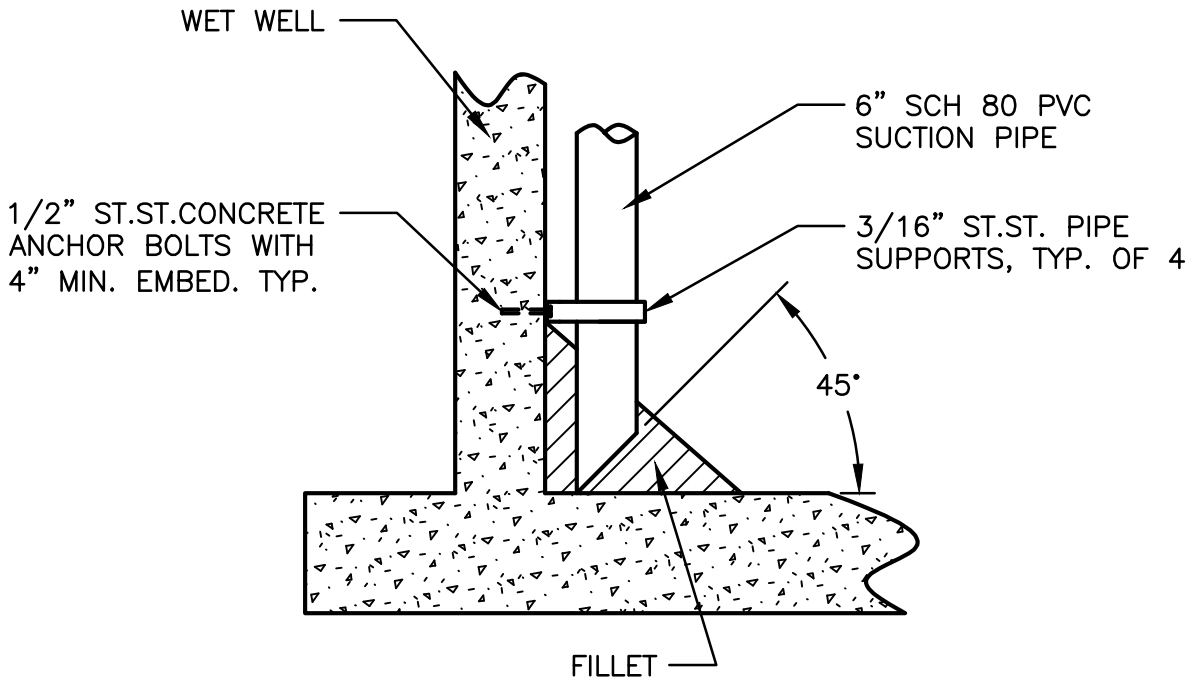
DATE: 10/5/21

DWG: SP-3a

KEYED NOTES FOR MECHANICAL PLAN AND SECTION (CONT.)

32. BOLT UPPER GUIDE RAIL SPACER TO FABRICATED SUPPORT BRACKET AS RECOMMENDED BY MANUFACTURER. POSITION SPACER AS REQUIRED TO LOCATE GUIDE RAIL PIPES IN TRUE VERTICAL POSITION. MOUNTING HARDWARE AND BRACKET TO BE S.S. AND TO INCLUDE 1/4" S.S. BAR STOCK HOOK FOR HANGING LIFTING CABLE.
33. FORCE MAIN
34. INTERIOR LINING SYSTEM
35. CABLE SUPPORT BRACKET. SEE DETAIL.
36. AUXILIARY HIGH LEVEL ALARM FLOAT SWITCH WITH NO/NC CONTACTS
37. ULTRASONIC LEVEL TRANSMITTER AND BRACKET. SEE DETAIL.
38. EXTERIOR ASPHALTIC COATING
39. 6" CONCRETE PAD ON 6" CRUSHED SURFACING BASE COURSE AND SUBGRADE COMPACTED TO 95%.
40. ELECTRICAL SERVICE CIRCUIT. COORDINATE CONNECTION WITH UTILITY.
41. SUN SHELTER, SEE DETAIL.
42. CAST IRON FLOOR DRAIN 4" SDR 35 PVC DRAIN PIPE WITH P-TRAP INSTALLED AT 2% SLOPE TO WETWELL. INSTALL FLAP GATE ON OUTLET IN WETWELL.
43. POWER PANEL
44. CONTROL PANEL
45. ANTENNA AND POLE
46. POWER AND SENSING HANDHOLE
47. GALVANIZED STEEL RIGID CONDUIT FOR POWER AND CONTROL CABLES
48. GATE VALVE W/VALVE BOX (FLGxMJ) WITH MEGALUG JOINT RESTRAINT
49. JUNCTION BOX
50. CONSTRUCT CONCRETE FILLET (TYPICAL) APPLY WELD-CRETE® OR APPROVED EQUIVALENT BONDING AGENT. APPLY IN CONFORMANCE WITH MANUFACTURERS RECOMMENDATION.
51. 6" SCH 80 PVC VACTOR SUCTION PIPE PER DETAIL. DRILL TWO 1" HOLES IN PIPE 7' BELOW TOP OF SLAB. PROVIDE ST.ST. PIPE SUPPORTS AND FEMALE CAMLOCK FITTING.
52. McCROMETER MAGMETER (ULTRA MAG) FLOWMETER
53. GATE VALVE W/VALVE BOX (FLGxFLG)



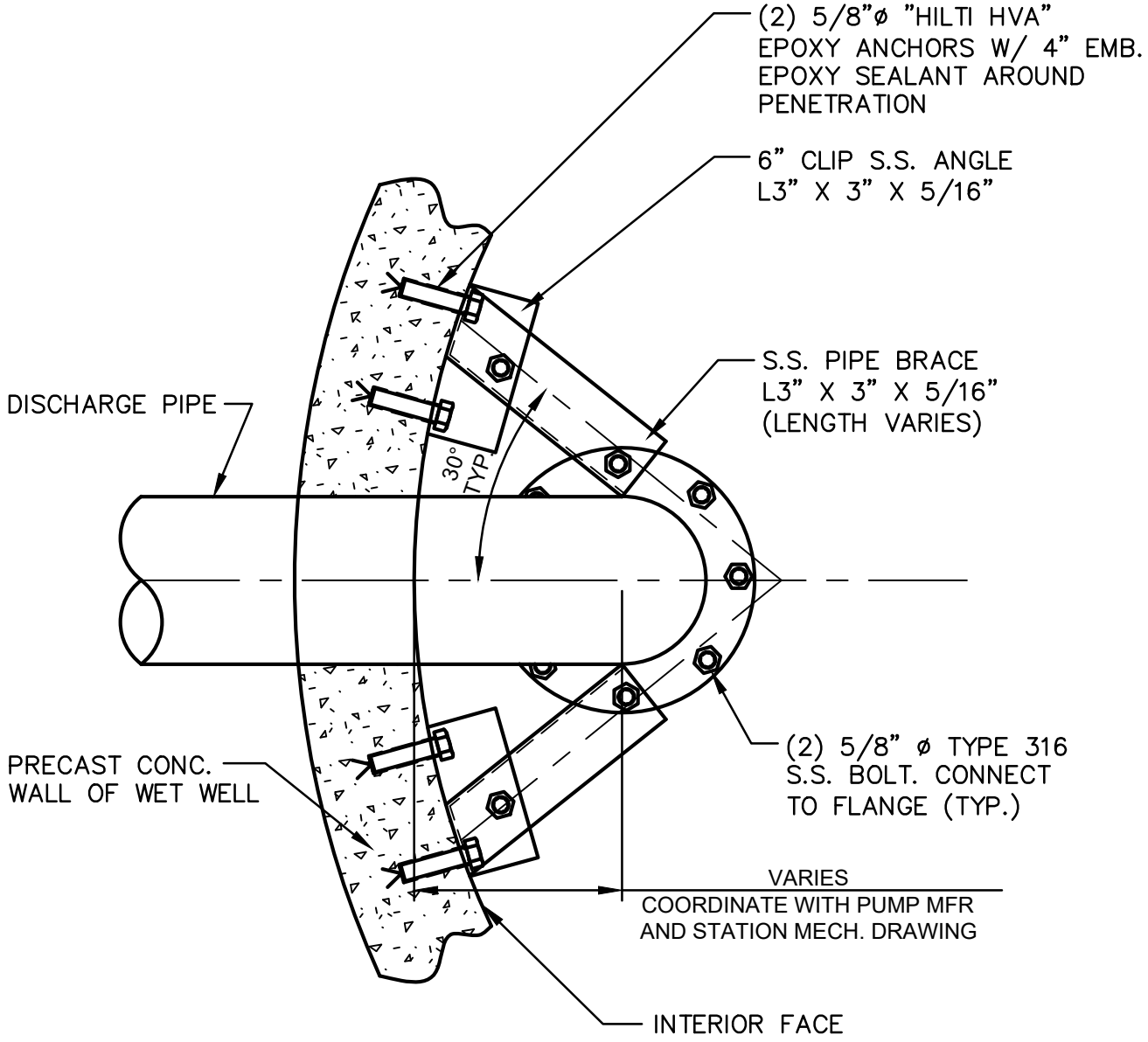


SP–4
VACTOR SUCTION PIPE DETAIL

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SP–4



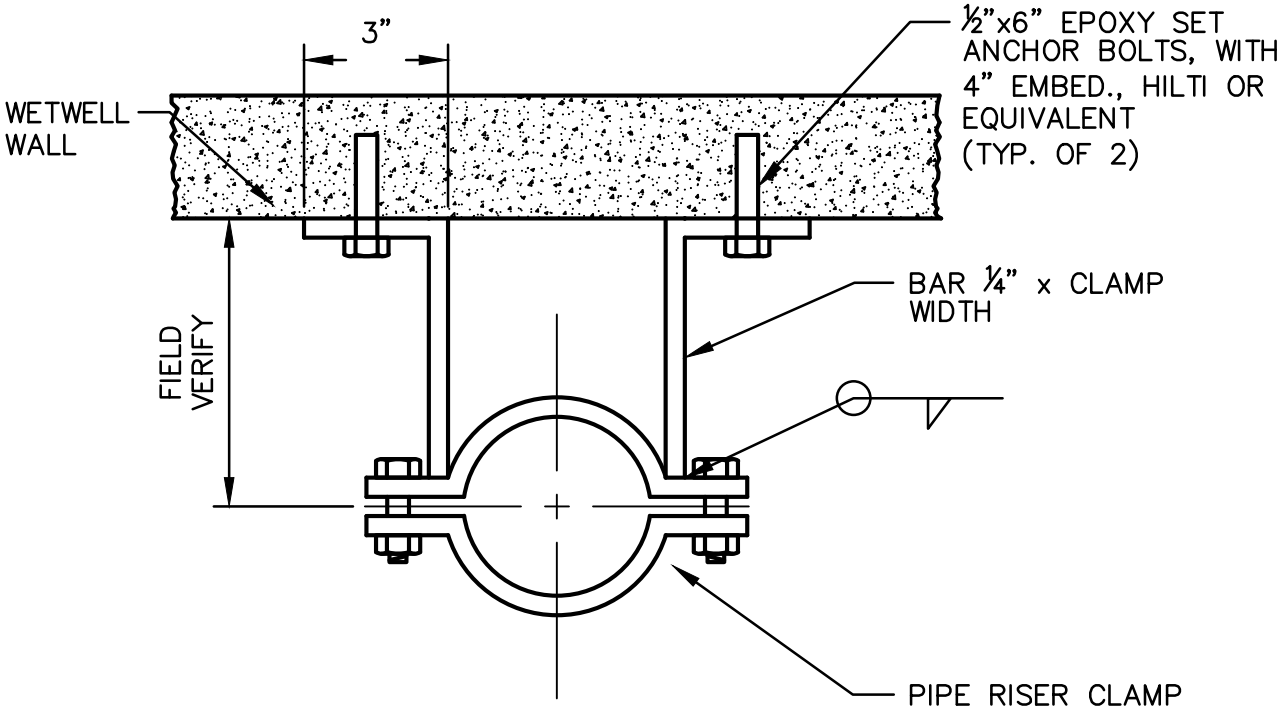
PLAN VIEW

SP-5
THRUST RESTRAINT PIPE SUPPORT DTL

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SP-5



NOTES:

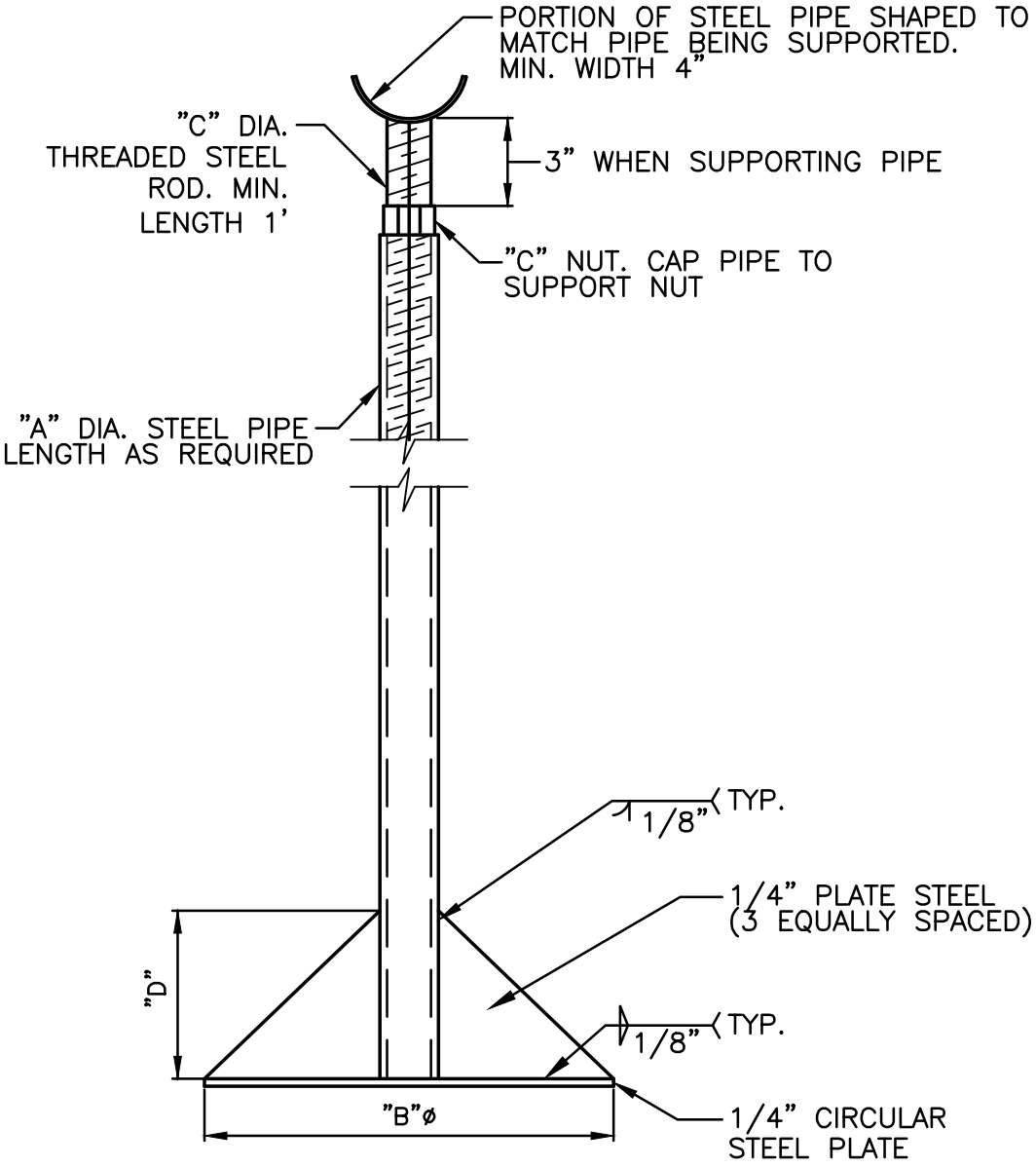
1. ALL HARDWARE AND BRACE MATERIALS TO BE STAINLESS STEEL

SP-6 PIPE BRACE DETAIL

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SP-6



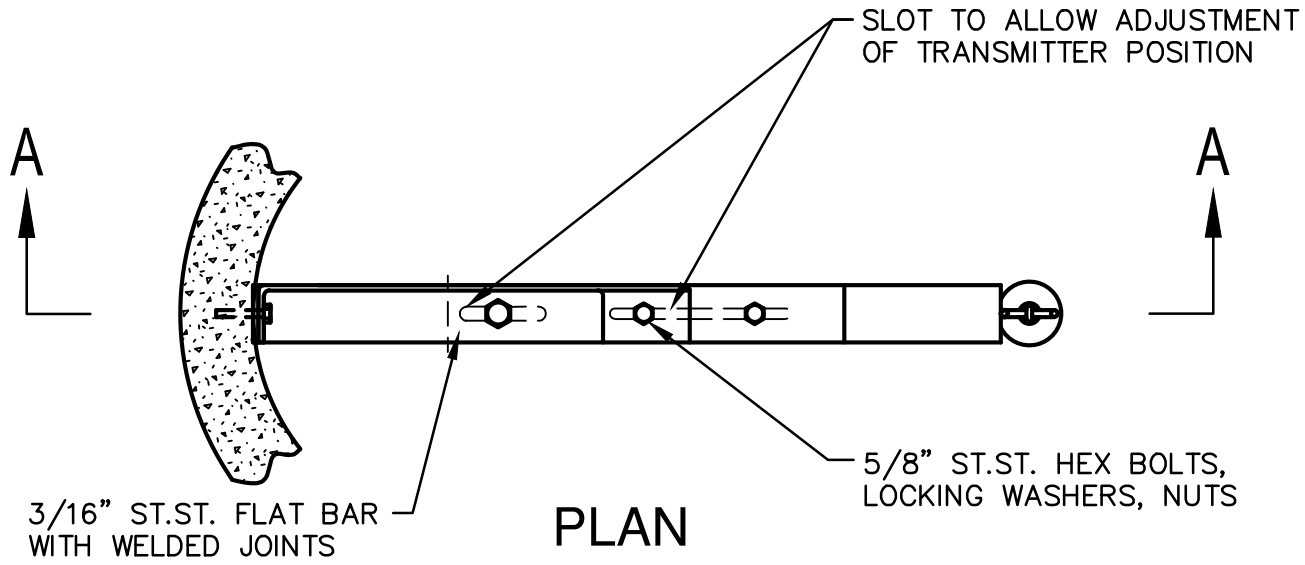
A	B	C	D
2"	1'–0"	1–1/2"	0'–6"

SP–7
TYP. STEEL PIPE SUPPORT DETAIL

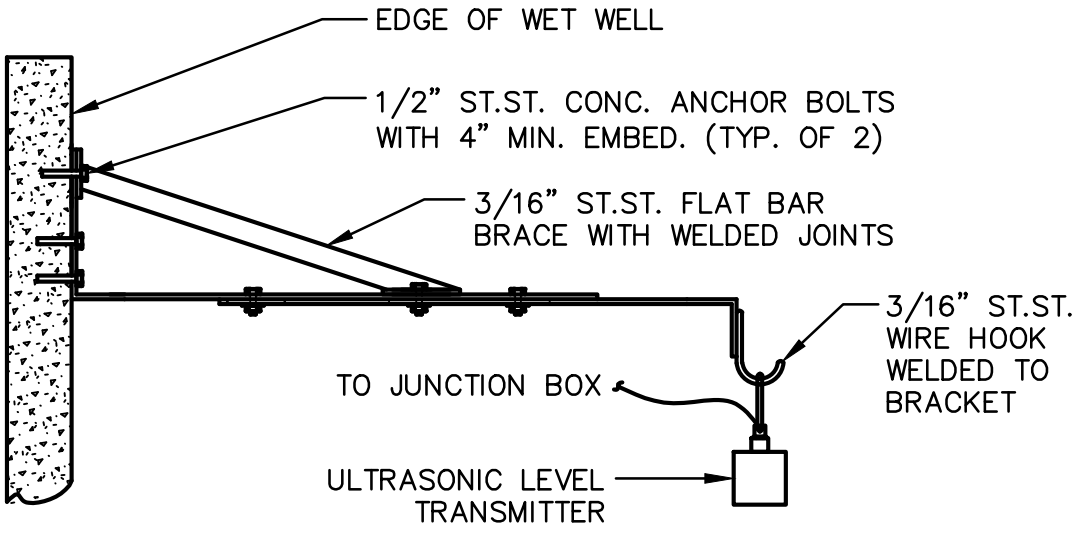
PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SP–7



PLAN



SECTION A-A

NOTES:

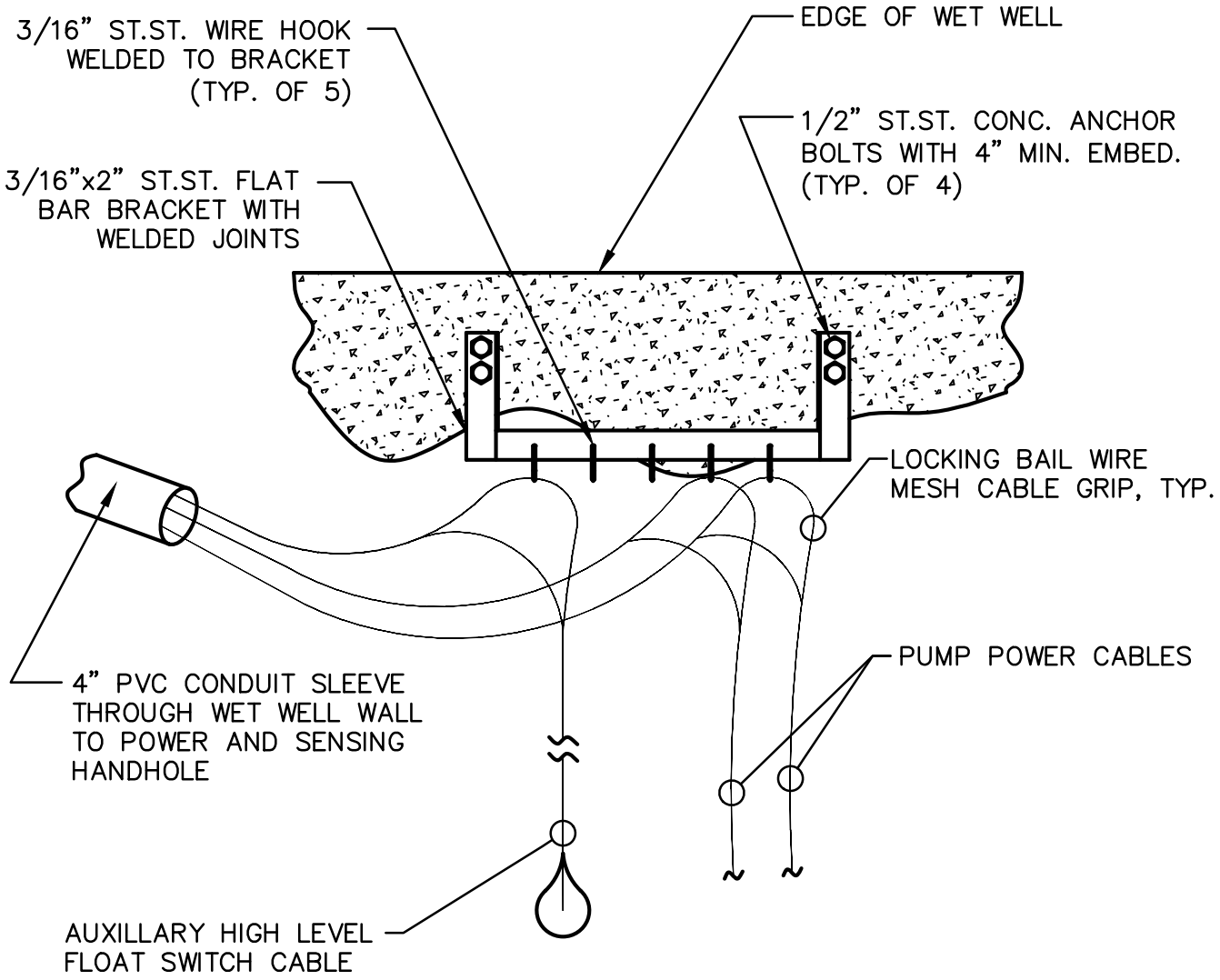
1. SEE PUMP STATION MECHANICAL PLAN FOR PROPER ORIENTATION.
2. FIELD ADJUST TO AVOID CONFLICTS WITH PUMP REMOVAL AND TO OPTIMIZE TRANSMITTER PERFORMANCE.
3. PROVIDE DIMENSIONED SHOP DRAWING SUBMITTAL.

SP-8: ULTRASONIC LEVEL TRANSMITTER AND BRACKET DETAIL

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SP-8



NOTES:

1. SEE LIFT STATION MECHANICAL PLAN FOR PROPER ORIENTATION.
2. FIELD ADJUST TO AVOID CONFLICTS WITH PUMP REMOVAL AND TO OPTIMIZE FLOAT SWITCH PERFORMANCE.
3. PROVIDE DIMENSIONED SHOP DRAWING SUBMITTAL.

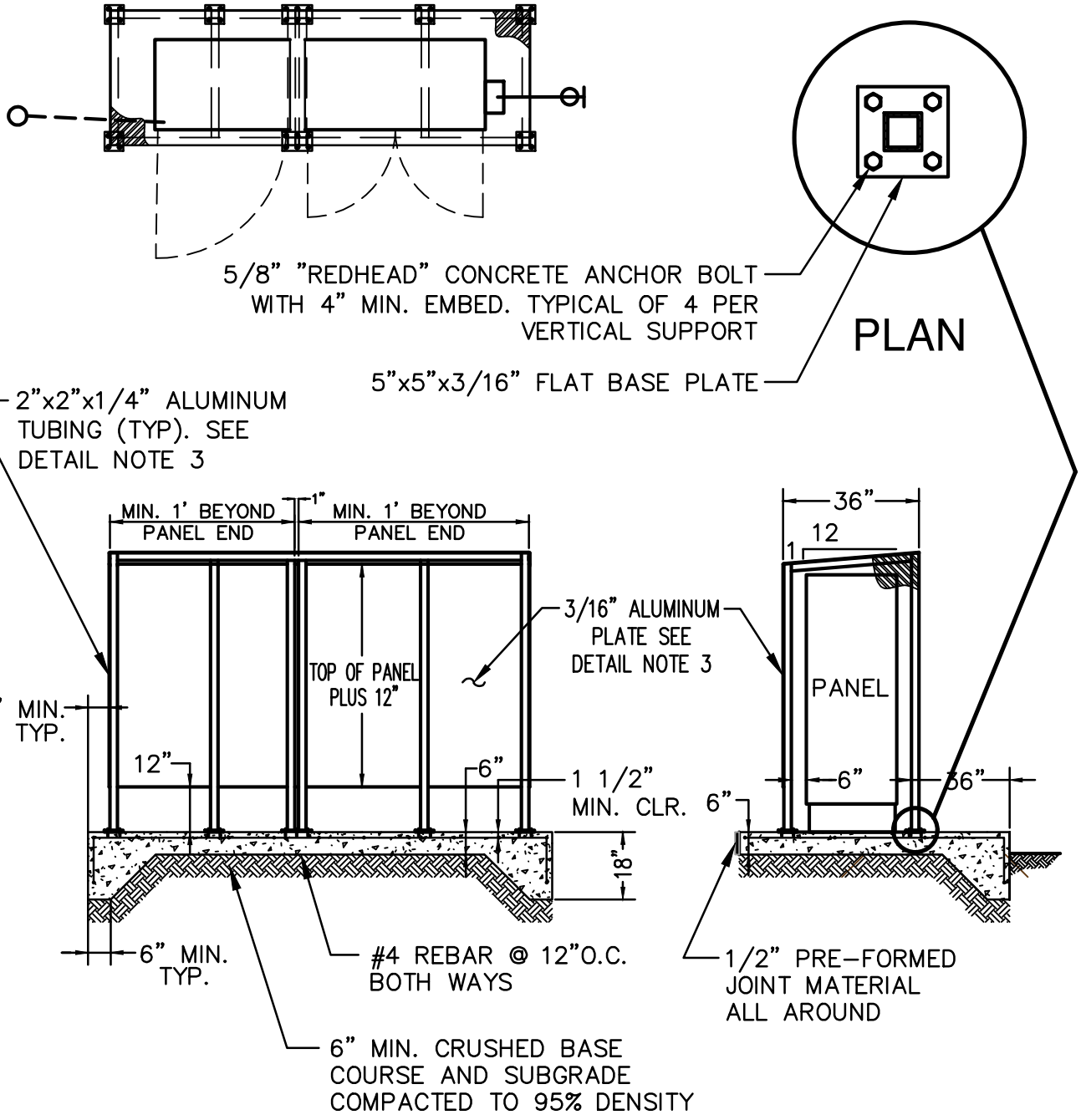
Umatilla Est. 1862

SP-9
CABLE SUPPORT BRACKET DETAIL

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SP-9



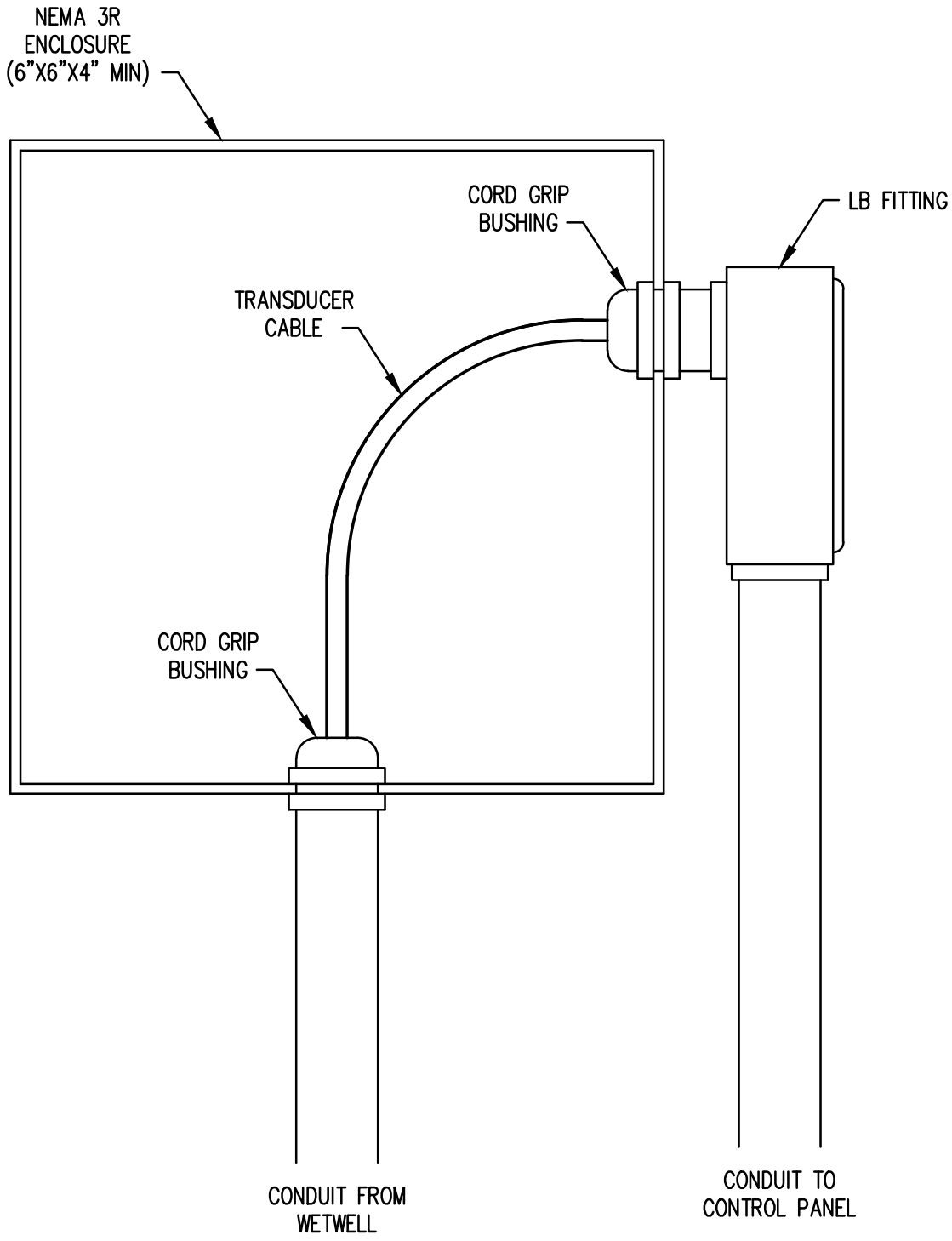
NOTES:

1. ALL PANELS SHOP FABRICATED AND ANODIZED AFTER FABRICATION.
2. DOORS TO FACE NORTH (±)
3. ALUMINUM MAY BE SUBSTITUTED WITH HOT-DIPPED GALVANIZED STEEL.
4. PROVIDE DIMENSIONED SHOP DRAWING SUBMITTAL.

Umatilla Est. 1862

SP-10
PUMP STATION SUN SHELTER DETAIL

PUBLIC WORKS ENGINEERING
DATE: 10/5/21
DWG: SP-10



SP–11
TRANSDUCER CABLE
J–BOX DETAIL

PUBLIC WORKS ENGINEERING

DATE: 10/5/21

DWG: SP–11

CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
Planning Commission Appointment	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
Community Development	Brandon Seitz	Brandon Seitz	

Cost of Proposal:	**Fund(s) Name and Number(s):**
0 **Amount Budgeted:** 0	N/A

Reviewed by Finance Department:	**Previously Presented:**
No	NA

Attachments to Agenda Packet Item:

Planning Commission Applications (10.5.21).pdf

Summary Statement:

Mayor Dedrick has reviewed the received application to serve on the Umatilla Planning Commission and recommends Devon Mitchell for appointment. The City received one application to the Planning Commission from Devon Mitchell.

Consistent with Council Goals:

Goal 4: Increase Public Involvement, Create a Culture of Transparency with the Public, and Enhance Cultural Diversity.

Brandon Seitz

From: Nanci Sandoval
Sent: Thursday, August 19, 2021 9:49 AM
To: Brandon Seitz
Subject: FW: Form submission from: Committee Appointment Form

FYI

From: noreply@umatilla-city.org <noreply@umatilla-city.org>
Sent: Thursday, August 19, 2021 9:31 AM
To: Nanci Sandoval <Nanci@umatilla-city.org>
Subject: Form submission from: Committee Appointment Form

Submitted on Thursday, August 19, 2021 - 9:30am

Submitted by anonymous user: 174.214.17.91

Submitted values are:

Full Name Devon James Mitchell
Please indicate which category you are seeking Appointment
Which committees are you interested in? Planning Commission
How long have you lived in Umatilla? 7 years
List any additional qualifications
Address 215 Tyler Ave
Phone Number 5413141390
Email dmitchell027@protonmail.com

The results of this submission may be viewed at:

https://www.umatilla-city.org/node/2001/submission/5375

CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
Potential Real Estate Transaction - ORS 192.660(2)(e) Authorizes council to deliberate with persons designated by council to negotiate real property transactions, including long-term leases. Does not authorize discussion of general leasing policies.	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
City Administration	David Stockdale	David Stockdale	

Cost of Proposal:	**Fund(s) Name and Number(s):**
n/a **Amount Budgeted:** n/a	General Fund - 01

Reviewed by Finance Department:	**Previously Presented:**
Yes	n/a

Attachments to Agenda Packet Item:

Summary Statement:
Discussion Only

Consistent with Council Goals:
Goal 2: Promote Economic Development and Job Growth.

CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
Potential Real Estate Transaction - ORS 192.660(2)(e) Authorizes council to deliberate with persons designated by council to negotiate real property transactions, including long-term leases. Does not authorize discussion of general leasing policies.	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
City Administration	David Stockdale	David Stockdale	

Cost of Proposal:	**Fund(s) Name and Number(s):**
n/a **Amount Budgeted:** n/a	General Fund - 01

Reviewed by Finance Department:	**Previously Presented:**
Yes	n/a

Attachments to Agenda Packet Item:

Summary Statement:
Discussion Only

Consistent with Council Goals:
Goal 2: Promote Economic Development and Job Growth.

CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
Potential Real Estate Transaction - ORS 192.660(2)(e) Authorizes council to deliberate with persons designated by council to negotiate real property transactions, including long-term leases. Does not authorize discussion of general leasing policies.	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
City Administration	David Stockdale	David Stockdale	

Cost of Proposal:	**Fund(s) Name and Number(s):**
n/a **Amount Budgeted:** n/a	General Fund - 01

Reviewed by Finance Department:	**Previously Presented:**
Yes	n/a

Attachments to Agenda Packet Item:

Summary Statement:
Discussion Only

Consistent with Council Goals:
Goal 2: Promote Economic Development and Job Growth.

CITY OF UMATILLA, OREGON

AGENDA BILL

Agenda Title:	**Meeting Date:**
Potential Real Estate Transaction - ORS 192.660(2)(e) Authorizes council to deliberate with persons designated by council to negotiate real property transactions, including long-term leases. Does not authorize discussion of general leasing policies.	2021-10-05

Department:	**Director:**	**Contact Person:**	**Phone Number:**
City Administration	David Stockdale	David Stockdale	

Cost of Proposal:	**Fund(s) Name and Number(s):**
n/a **Amount Budgeted:** n/a	General Fund - 01

Reviewed by Finance Department:	**Previously Presented:**
Yes	n/a

Attachments to Agenda Packet Item:

Summary Statement:
Discussion Only

Consistent with Council Goals:
Goal 2: Promote Economic Development and Job Growth.