



ADDENDUM NO. 1
TO THE PLANS, SPECIFICATIONS, PROPOSAL AND CONTRACT
FOR CITY OF LACEY
CARPENTER ROAD/BRITTON PARKWAY ROUNDABOUT
LACEY CONTRACT NO. PW 2020-29

This addendum is made part of these contract documents as though it was originally included in the Contract. The Contractor shall note the location of the Addenda Receipt Acknowledgement on Page B-6A of the Contract Proposal.

Issued this 8th day of December 2023.

ITEM NO. 1-1: HMA PLAN CALLOUT

All references in the plans that call out “Fiber Reinforced HMA C1 3/8 in. PG 58V-22” should read “Fiber Reinforced HMA C1 1/2 in. PG 58V-22”.

ITEM NO. 1-2: IRRIGATION

Replace sheets IR1-IR3 (61-63) with the attached revised IR1A-IR3A, the planter strip area was inadvertently left off the plans. The revised sheet shows the complete irrigation coverage area.

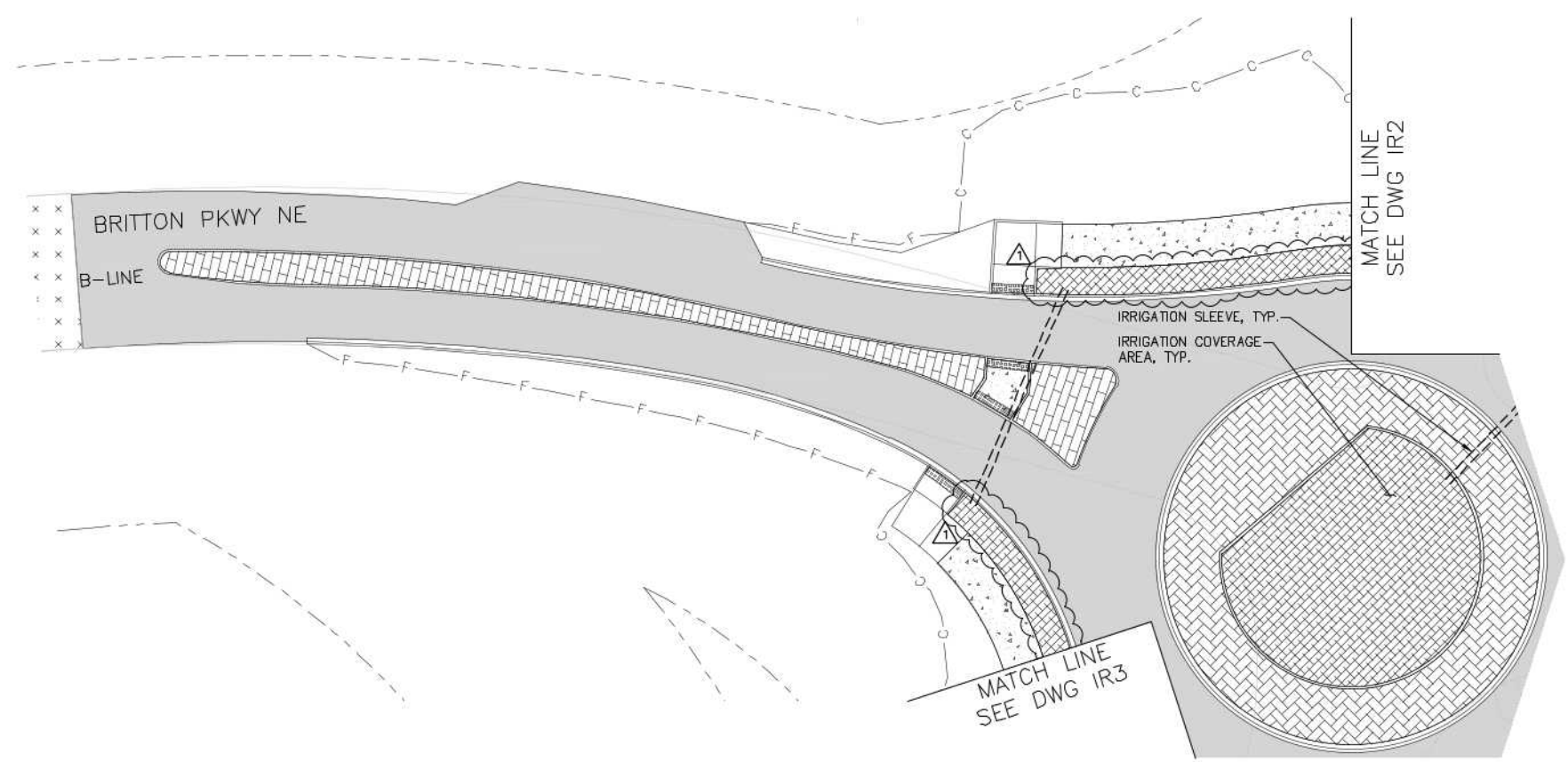
ITEM NO. 1-3: LOTT RELOCATION PLANS AND SPECIFICATIONS

Include the attached plans and specifications to relocate the LOTT Clean Water Alliance facilities that conflict with the project. A new schedule has been added to the proposal to reflect this work. Replace proposal pages B-4 and B-5 with pages B-4A, B5A, and B-6A which includes the Reclaimed Water Schedule.

Scott Egger, P.E.
Public Works Director

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SEC. 10, T.18N., R.1W., W.M.



IRRIGATION NOTES

1. CONTRACTOR SHALL DESIGN AND INSTALL IRRIGATION SYSTEM PER SPECIFICATIONS AND SPECIAL PROVISIONS.
2. IRRIGATION SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF LACEY.
3. ANY DISCREPANCIES BETWEEN THE DRAWINGS, SPEC'S, AND/OR SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH CONSTRUCTION.

IRRIGATION LEGEND

- IRRIGATION COVERAGE AREA
- POINT OF CONNECTION
- IRRIGATION SLEEVE



NO.	DATE	BY	APPR.	REVISIONS
1	11/30/23	RDL		EXTEND IRRIGATION COVERAGE AREA TO PLANTING STRIPS

APPROVED FOR CONSTRUCTION	
ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

RDL	DESIGNED BY
RDL	DRAWN BY
MER	CHECKED BY
	APPROVED BY
DATE: 11/30/2023	

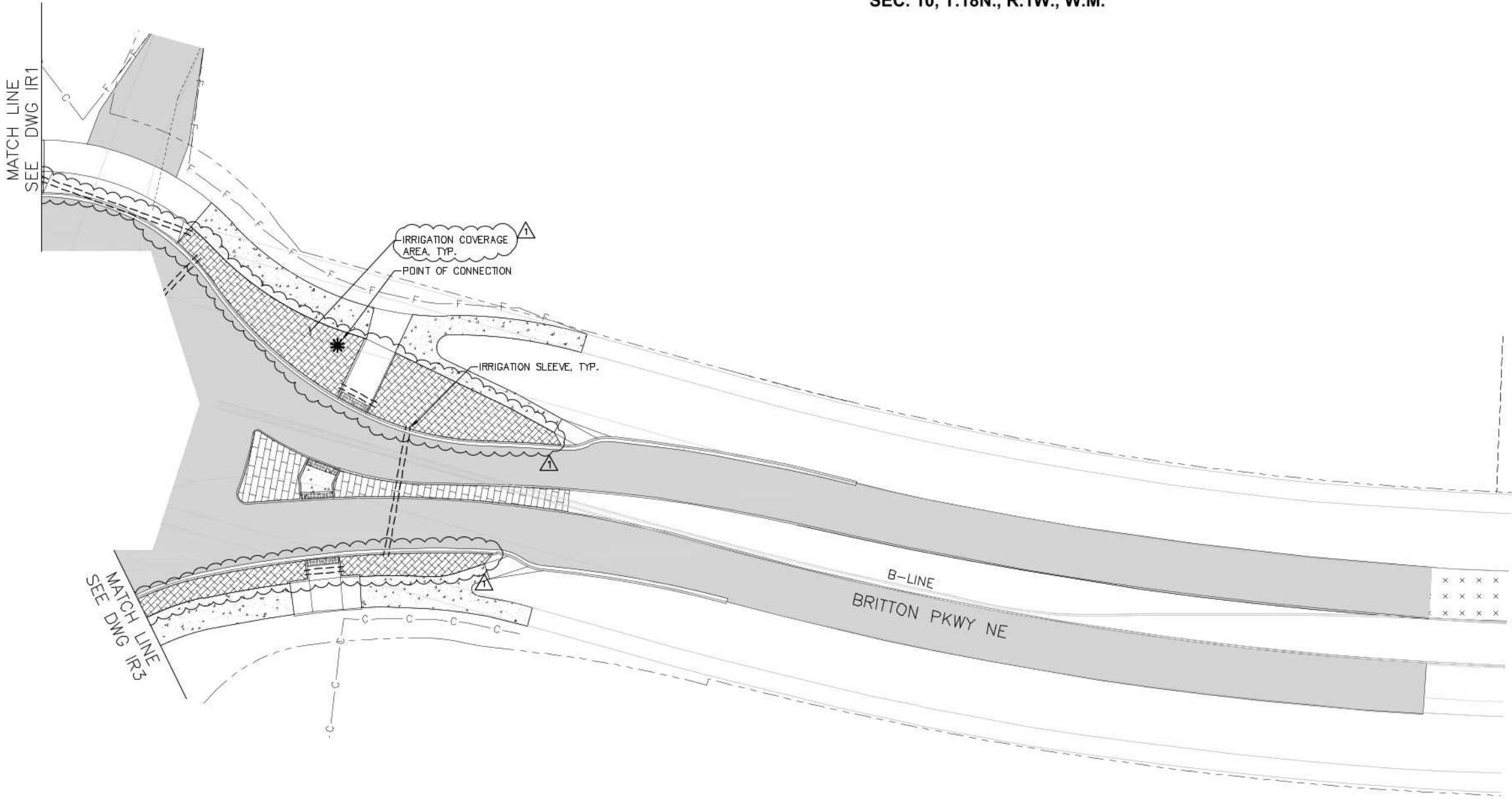
**russell
lambert**
LANDSCAPE
ARCHITECTURE
7724 2nd Ave NE
Seattle, WA 98115
206.271.9620

LOCHNER

CITY OF LACEY

CITY OF LACEY
CARPENTER ROAD ROUNDABOUT
IRRIGATION PLAN, NOTES, AND LEGEND

DRAWING NUMBER
IR1A
SHT 61 OF 64



IRRIGATION NOTES

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IRRIGATION LEGEND

- IRRIGATION COVERAGE AREA
- POINT OF CONNECTION
- IRRIGATION SLEEVE



NO.	DATE	BY	APPR.	REVISIONS
	11/30/23	RDL		EXTEND IRRIGATION COVERAGE AREA TO PLANTING STRIPS

APPROVED FOR CONSTRUCTION	
ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

RDL	DESIGNED BY
	DRL
	DRAWN BY
	MER
	CHECKED BY
	APPROVED BY
DATE: 11/30/2023	



**russell
lambert**
LANDSCAPE
ARCHITECTURE
7724 2nd Ave NE
Seattle, WA 98115
206.271.9620

LOCHNER

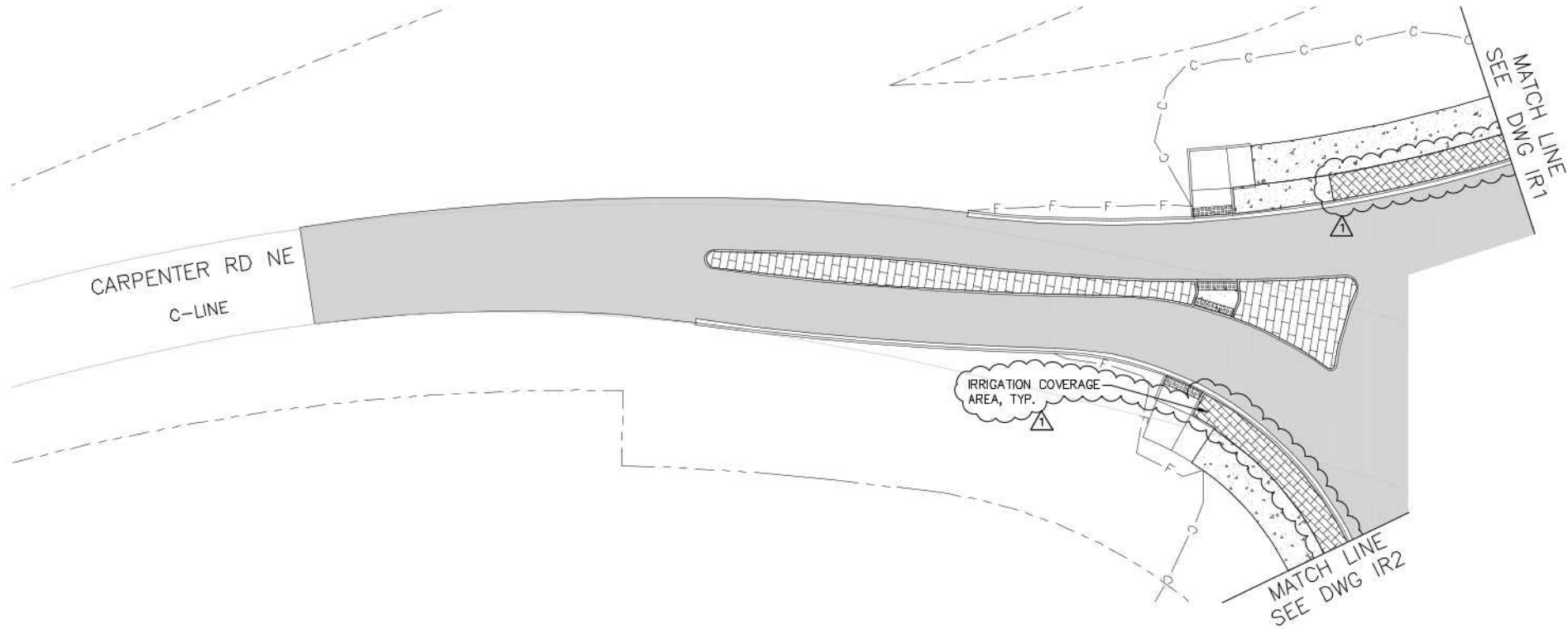


CITY OF LACEY
CARPENTER ROAD ROUNDABOUT
IRRIGATION PLAN, NOTES, AND LEGEND

DRAWING NUMBER
IR2A
SHT 62 OF 64

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SEC. 10, T.18N., R.1W., W.M.



IRRIGATION NOTES

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IRRIGATION LEGEND

- IRRIGATION COVERAGE AREA
- POINT OF CONNECTION
- IRRIGATION SLEEVE



NO.	DATE	BY	APPR.	REVISIONS
1	11/30/23	RDL		EXTEND IRRIGATION COVERAGE AREA TO PLANTING STRIPS

APPROVED FOR CONSTRUCTION	
ENGINEERING MANAGER	DATE
PROJECT MANAGER	DATE
PROJECT ENGINEER	DATE

RDL	DESIGNED BY
RDL	DRAWN BY
MER	CHECKED BY
APPROVED BY	
DATE: 11/30/2023	

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
Ryan D. Lambert
RYAN D. LAMBERT
CERTIFICATE NO. 1180

**russell
lambert**
LANDSCAPE
ARCHITECTURE
7724 2nd Ave NE
Seattle, WA 98115
206.271.9620



CITY OF LACEY
CARPENTER ROAD ROUNDABOUT
IRRIGATION PLAN, NOTES, AND LEGEND

DRAWING NUMBER
IR3 A
SHT 63 OF 64

C8	5	LF	709-506	6 Inch Water Main		
C9	60	LF	709-508	8 Inch Water Main		
C10	155	LF	709-517	16 Inch Water Main		
C11	1	EA	709-810	Blow-off Assembly for Extendable Main		
C12	4	EA	709-950	Connect to Existing Water Main		
C13	1	EA	712-504	4 Inch Gate Valve		
C14	1	EA	712-508	8 Inch Gate Valve		
C15	3	EA	712-517	16 Inch Gate Valve		
C16	1	EA	712-610	2 Inch Air and Vacuum Release Valve		
C17	1	EA	714-510	Hydrant Assembly		
					Schedule C Subtotal:	
					Tax Rate (%) : 9.50 Tax:	
					Schedule C Total:	

D Sewer

No.	Quantity	Unit	Item ID	Item Description	Unit Price	Extended Price
D1	35000	MC	104-010	Minor Change	\$1.00	\$35,000.00
D2	100	HR	110-040	Flaggers		
D3	140	HR	110-070	Portable Changeable Message Sign		
D4	1	LS	205-510	Trench Safety System	LUMP SUM	
D5	2	CY	209-080	Controlled Density Fill		
D6	50	TN	504-110	Commercial HMA		
D7	1	EA	705-948	Low Point Drain 48-Inch Diam		
D8	960	TN	708-610	Bank Run Gravel for Trench Backfill		
D9	480	TN	708-620	Imported Pipe Bedding		
D10	1	EA	717-660	2 Inch Air and Vacuum Release Valve - Sewer		
D11	724	LF	717-712	12 Inch Diameter Force Main Sewer Pipe		
D12	7	EA	717-804	4 Inch Plug Valve		
D13	1	EA	717-834	4 Inch Sewer Tapping Valve with Tapping Sleeve		
D14	1	EA	717-960	Connect to Existing Sanitary Sewer Force Main		
					Schedule D Subtotal:	
					Tax Rate (%) : 9.50 Tax:	
					Schedule D Total:	

E Reclaimed Water

No.	Quantity	Unit	Item ID	Item Description	Unit Price	Extended Price
E1	2000	MC	104-010	Minor Change	\$1.00	\$2,000.00
E2	1	LS	109-010	Mobilization	LUMP SUM	
E3	1	LS	205-510	Trench Safety System	LUMP SUM	

E4	2	EA	712-915	Raise Valve Box to Grade		
E5	1	LS	720-910	Relocate Reclaimed Water Vault	LUMP SUM	
					Schedule E Subtotal:	
					Tax Rate (%) : 9.50 Tax:	
					Schedule E Total:	
					Contract Total:	
					(All Schedules)	

The undersigned also agrees as follows:

- Within 10 calendar days after the contract is awarded to sign and return the contract and provide insurance documents.
- That this proposal cannot be withdrawn within 45 days after receipt of bids.
- That it is the understanding that the City of Lacey may accept or reject any or all bids.
- The undersigned hereby agrees to pay for labor not less than the prevailing rates of wages per the bid documents.
- Enclosed with this proposal is a bid deposit in the sum of 5% of the bid total amount which it is agreed shall be collected and retained by the City of Lacey as liquidated damages in the event this proposal is accepted by the City of Lacey with 45 calendar days after the receipt of bids and the undersigned fails to execute the contract and the required bond with the City of Lacey, under the conditions thereof, within 10 calendar days after the undersigned is notified that said proposal has been accepted, otherwise said bid deposit shall be returned to the undersigned upon demand.
- A Performance/Payment Bond will be furnished to the City with the contract.
- Retention will be held on this contract per RCW 60.28.011.

Addenda Receipt Acknowledged

Signature of Bidder

Date

(If an Individual, Partnership, or Non-Incorporated organization)

Firm Name

Please Print

Phone

Address of Bidder: _____

Name and Address of Firm Members:

Signature of Bidder (if a Corporation)

Title: _____

Firm Name: _____ Phone: _____

Business Address: _____

Incorporated under the Laws of the State of _____

Officers

Address

President: _____

Secretary: _____

Treasurer: _____

7-20 RECLAIMED WATER MAINS

Add the following new section:

7-20.1 Description

(March 31, 2013 Lacey GSP)

This work shall consist of relocating existing air valve assembly, vault, and valves and constructing and connecting reclaimed water mains, all in accordance with the Plans, the Standard Specifications, Standard Plans and these Special Provisions.

Various transition couplings, flanged coupling adapters, transition couplings with follower flanges and gaskets, and other miscellaneous couplings and fittings may be required for performance under this project.

It is the Contractor's responsibility to determine what specific couplings, adapters, and fittings will be used to make connections shown on the plans. The Engineer has shown specific existing material types, and nominal sized using the best information available. The Engineer has not determined the specific dimension of existing materials.

Where vertical bends are required, the pipe and fittings shall be restrained on each side of the bend for a distance as recommended by the manufacturer.

7-20.2 Materials

(April 2, 2018 Lacey GSP)

“CAUTION: RECLAIMED WATER – DO NOT DRINK” shall be embossed or integrally stamped on opposite sides of the pipe and repeated every 3 feet or less. Wrapping piping with reclaimed marking tape or purple tape shall not be allowed.

All pipe greater than 16 inches diameter used on this project or where noted on the plans shall be ductile iron and shall conform to AWWA C 151 Standard Thickness Class 52 and have a cement mortar lining conforming to AWWA C104. All pipes shall be joined using non-restrained joints which shall be rubber gaskets, push on type or mechanical joint, conforming to AWWA C 111.

Unless otherwise noted on the plans all pipe 2 ½ inches through 16 inches in diameter used on this project shall be C900 Class 200 DR-14 PVC or C900 DR-18 235 PSI PVC, conforming to the latest revision of the following specifications: Compound ASTM D1784 Class 12454B, Gasket ASTM F477, Manufacturing ASTM D2241. Pipe shall have flexible gasketed joints.

Pipe shall be Pantone 512 or 522 in color, specifically manufactured for reclaimed water conveyance.

PE Pipe: All 2 inch or 1 ½ inch pipe shall be Pantone 512 or 522 in color polyethylene plastic tubing manufactured from all virgin material, category 5, grade P34, Class C high density weight polyethylene OD ASTM D2737 DR7 PE3408 or ASTM D2239 DR7 PE3408; Cell Classification 335434C to 355434C, from Phillips Driscopipe, Eagle Pacific, Superlon Plastics, US Poly or approved equal.

Flexible ball joint restraint fittings shall be ductile iron, double-valve mechanical joint of the size indicated on the Plans and shall be FLEX-900, as manufactured by EBAA Iron, Inc., FlexiJoint, as manufactured by Romac, or approved equal.

Valves shall conform to Section 7-12 of these Special Provisions.

Valve boxes shall be cast iron with a special triangular shape cast into the cover and a recognizable inscription on the top surface reading "Reclaimed Water" comparable in quality and function to the East Jordan Iron Works #248 or Olympic Foundry VB-950, as approved by the Engineer.

Casing shall conform to Section 7-09.3(1)A of these Special Provisions.

Reclaimed water hydrant assemblies shall be in accordance with Section 7-14.2 of these Special Provisions and shall be painted purple, Pantone 512 or 522 with 2 coats of high grade enamel hydrant paint.

Flow meter vault, and flow control vault and flow meter shall be of the sizes, dimensions, and materials as shown in the Plans. Flow meter vault structure shall be a 60" diameter type 3 manhole structure in accordance with Section 7-05.2. Flow control vault shall be a pre-cast utility vault as manufactured by Utility Vault, Inc., or approved equal. Provide solid walls without knockouts, but with pre-cut holes for pipe penetrations. Vault shall have floor with drain sump and drain line back to the nearest catch basin with an in line P trap.

Flow control vault hatches shall be aluminum as manufactured by LW Products Co., Halliday Products or approved equal. The aluminum access hatches shall be hinged, spring-assisted, with slam locks and weather protected padlock hasp, designed for H 20 loading.

Flow meter shall be 8" Elster evoQ4, no substitutions.

7-20.3 Construction Requirements

(October 29, 2010 Lacey GSP)

Trench excavation, bedding, and backfilling of pipe shall conform to Section 7-08.

Pipe installation shall conform to Section 7-09 including the following requirements:

1. Connection to existing reclaimed water mains shall be in accordance with Section 7-09.3(19)A of the Standard Specifications and these Special Provisions.
2. All pipe installed shall be tested in accordance with Section 7-09.3(23). The first sentence shall be deleted and replaced with the following: All reclaimed water lines and appurtenances shall be tested in sections of convenient length under a hydrostatic pressure of not less than 250 psi.
3. Disinfection shall conform to Section 7-09.3(24) of the Standard Specifications and these Special Provisions. The last two paragraphs of Section 7-09.3(24)N, and all of Section 7-09.3(24)O are waived for reclaimed water mains.
4. Reclaimed water lines shall be installed per Section 7-08 and 7-09 of the Standard Specifications and these Special Provisions and have a minimum separation per Department of Health and Department of Ecology Publication Number 06-10-029. Where casing is required, the casing shall conform to Section 7-09.3 of the Standard Specifications and these Special Provisions. No concrete shall be installed unless specifically directed by the Engineer.
5. Pipe identification shall conform to Section 7-20.2 of these Special Provisions.
6. All pipeline installed under this contract will be identified by a purple continuous tracer marker buried 24 inches to 30 inches below finished grade, aligned directly above the pipe. The marker shall be plastic non-biodegradable marked "Reclaimed Water" every 30 to 40 inches. The tracer marker shall have a metal core or backing which can be detected by a standard metal detector. The pipe line location indicator shall be considered incidental to the construction of the reclaimed water line.

In addition to the tracer marker, a purple coated copper wire 14 gauge diameter shall be taped to the sewer line and brought up and tied to all valves. Low voltage grease-type splice kits shall be used on tracer wire. The wire shall be furnished and installed by the Contractor. Installation of the 14 gauge coated copper wire is considered incidental to the construction of reclaimed water pipe and no other compensation will be allowed.

7. Blowoff Assemblies shall conform to Section 7-09.3(22) of these Special Provisions, and air and vacuum release valves shall conform to Section 7-12 of the Standard Specifications.

8. If the blowoff assembly or air and vacuum release valve assembly is located within a paved area, the rim and cover shall be installed flush with the finish grade pavement, backfilled, patched, and sealed as directed by the Engineer. The lid shall meet H-20 load rating. Construct valve assembly in accordance with the details shown on plans.

9. If the blowoff or air and vacuum release valve assembly is located outside the paved area, a 6-foot-wide cleared area, centered along the pipe, shall extend from the edge of pavement to 3 feet past the blowoff assembly, not to exceed the right-of-way line. The rim and cover shall be installed in concrete flush with the finish grade.

10. All Toning Test Wire Stations shall be installed as shown on plans.

11. Reclaimed water hydrant assemblies shall be installed in accordance with Section 7-14.3 and tested in accordance with Section 7-09.3(23).

12. Flow meter vault and flow control vault shall be installed in accordance with Section 7-05. Vault hatches and manhole lid shall be set flush to finished sidewalk grade. All penetrations shall be link sealed and grouted watertight with non-shrink grout.

7-20.3(1) Connection to Existing Reclaimed Water Mains **(October 29, 2010 Lacey GSP)**

The Contractor shall be responsible for determining the scope of work for connection to existing reclaimed water mains.

It shall be the Contractor's responsibility to field verify the location and depth of the existing reclaimed water main and the fittings required to make the connections to the existing main including any pipe abandonment associated with the connections to existing reclaimed water mains.

Temporary blowoff assembly required for temporary or permanent release of air, chlorination or flushing purposes shall be provided by the Contractor as a part of the connection to existing reclaimed water main.

In the case of a live tap connection no payment shall be made for the bid item, "Connect to Existing Reclaimed Water Main".

The Contractor shall include all costs associated with live taps under "____ Inch Tapping Valve with Tapping Sleeve" pay items. In addition, payment for "Connect to Existing Reclaimed Water Main" will only be paid for the locations and quantities called out on the plans or as directed by the Engineer.

7-20.3(2) Relocate Reclaimed Water Vault

The Contractor shall be responsible for determining the scope of work for relocating existing air valve assembly, existing vault, and existing valves, and connecting to existing reclaimed water mains.

It shall be the Contractor's responsibility to field verify the location and depth of the existing reclaimed water main and the fittings required to make the connections to the existing main including any pipe abandonment associated with the connections to existing reclaimed water mains.

7-20.4 Measurement

(October 29, 2010 Lacey GSP)

Measurement for “_____ Inch Diameter Reclaimed Water Main” shall be by linear foot of pipe laid and tested and shall be along the pipe through fittings, valves, and couplings.

“_____ Inch Pipe Encasement” shall be measured by the linear foot of pipe casing actually installed.

“_____ Inch Gate Valve” shall be measured per each valve actually installed.

“_____ Inch Butterfly Valve” shall be measured per each valve actually installed.

“Connection to Existing Reclaimed Water Main” shall be measured per each connection actually installed.

“_____ Inch Tapping Valve with Tapping Sleeve” shall be measured per each.

“Reclaimed Water Air and Vacuum Release Valve” shall be measured per each assembly actually installed.

“Reclaimed Water Blowoff Assembly for Extendable Main” shall be measured per each assembly actually installed.

“Reclaimed Water Hydrant Assembly” shall be measured per each for each hydrant assembly actually installed.

“Flow Meter Vault” shall be measured per each for each unit actually installed.

“Flow Control Vault” shall be measured for each unit actually installed.

“Relocate Reclaimed Water Vault”, lump sum.

7-20.5 Payment

(October 29, 2010 Lacey GSP)

Payment will be made in accordance with Section 1-04.1, for each of the following Bid Items that are included in the Proposal:

The unit contract price per linear foot for each kind and size of “_____ Inch Diameter Reclaimed Water Main” shall be full compensation for all labor, material, tools and equipment to furnish, place, assemble, and install reclaimed water pipe, complete in place, including but not limited to pipe, all fittings including couplings, adapters, crosses, wyes, tees, caps, plugs, reducers, adapter fittings, flexible ball joint restraint fittings, markers, other fittings not shown on the Plans, joint materials, special requirements when minimum separation cannot be met, commercial concrete or controlled density fill, and dewatering.

Further, all excavation, hauling, disposal, bedding, backfilling, compaction, thrust blocking, testing, and flushing shall also be included in the unit contract price. Items not specifically identified on the plans but necessary to properly install the reclaimed water main shall be considered incidental to the reclaimed water main and no other compensation shall be allowed.

Temporary blow-off assembly required for temporary or permanent release of air, chlorination, flushing or testing purposes shall be provided by the Contractor as a part of the new reclaimed water main. The unit contract price for “_____ Inch Diameter Reclaimed Water Main” shall be full pay for providing all labor, tools, equipment, and materials necessary to remove or abandon any appurtenant piping including temporary blow-off assembly.

The unit contract price per linear foot of “_____ Inch Pipe Encasement” shall be full compensation for all labor, material, tools and equipment to furnish, place, assemble, and install pipe casement, complete in place, including but not limited to pipe, all fittings including casing spacers, end seals and other fittings not shown on the Plans, joint materials, special requirements, commercial concrete or controlled density fill, and dewatering.

The unit contract price per each for “_____ Inch Tapping Valve with Tapping Sleeve” shall be full pay for furnishing all labor, materials, tools, and equipment, necessary or incidental to furnishing and installing the unit complete in place on the reclaimed water line, including trenching, jointing, testing, blocking of valve, and valve box.

The unit contract price per each for “_____ Inch Gate Valve” shall be full pay for furnishing all labor, materials, tools, and equipment, necessary or incidental to furnishing and installing the unit complete in place on the reclaimed water line, including trenching, jointing, testing, blocking of valve, and valve box.

All costs to furnish and install valve boxes, concrete pads and other items required for a complete valve installation shall be incidental to the unit contract price for each valve and no other pay shall be allowed.

The unit contract price per each for “_____ Inch Butterfly Valve” shall be full pay for furnishing all labor, materials, tools, and equipment, necessary or incidental to furnishing and installing the unit complete in place on the reclaimed water line, including trenching, jointing, testing, blocking of valve, and valve box.

All costs to furnish and install valve boxes, concrete pads and other items required for a complete valve installation shall be incidental to the unit contract price for each valve and no other pay shall be allowed.

The unit contract price for “Connect to Existing Water Main” shall be full pay for providing all labor, tools, equipment, and materials necessary to connect to the existing reclaimed water main. If no such item exists all costs shall be incidental to the project and no additional compensation shall be allowed.

The unit contract price per each for “Reclaimed Water Air and Vacuum Release Valve” shall be full pay for furnishing all labor, materials, tools, and equipment, necessary or incidental to furnishing and installing the release valve assembly complete in place on the reclaimed water line, including but not limited to pipe, couplings, adaptors, valves, valve boxes, bends, reducers, and other fittings not specifically identified on the Plans.

All costs to furnish and install concrete pads shall be incidental to the unit contract price for each valve and no other pay shall be allowed.

The unit contract price per each for “Reclaimed Water Blowoff Assembly for Extendable Main” shall be full pay for furnishing all labor, materials, tools, and equipment, necessary or incidental to furnishing and installing the blowoff and valve assembly complete in place on the reclaimed water line, including but not limited to pipe, couplings, adaptors, valves, valve boxes, bends, reducers, and other fittings not specifically identified on the Plans.

All costs to furnish and install concrete pads shall be incidental to the unit contract price for each blowoff and no other pay shall be allowed.

The unit Contract price per each for "Reclaimed Water Hydrant Assembly" shall be full pay for all work to furnish and install fire hydrant assemblies, including but not limited to , trench excavation and backfill, and grading 3 feet around hydrant and between the hydrant and edge of roadway, painting, extensions, fittings, ductile iron spool, Storz adapter and Megalug restraining joints.

The unit contract price per each for "Flow Control Vault" shall be full compensation for all labor, material, and equipment to furnish and install the vault including excavation, grading, backfill, pipe, conduit, fittings, stanchions, grout, vault, grating, hatch, and all other items necessary for the unit to be installed complete in place.

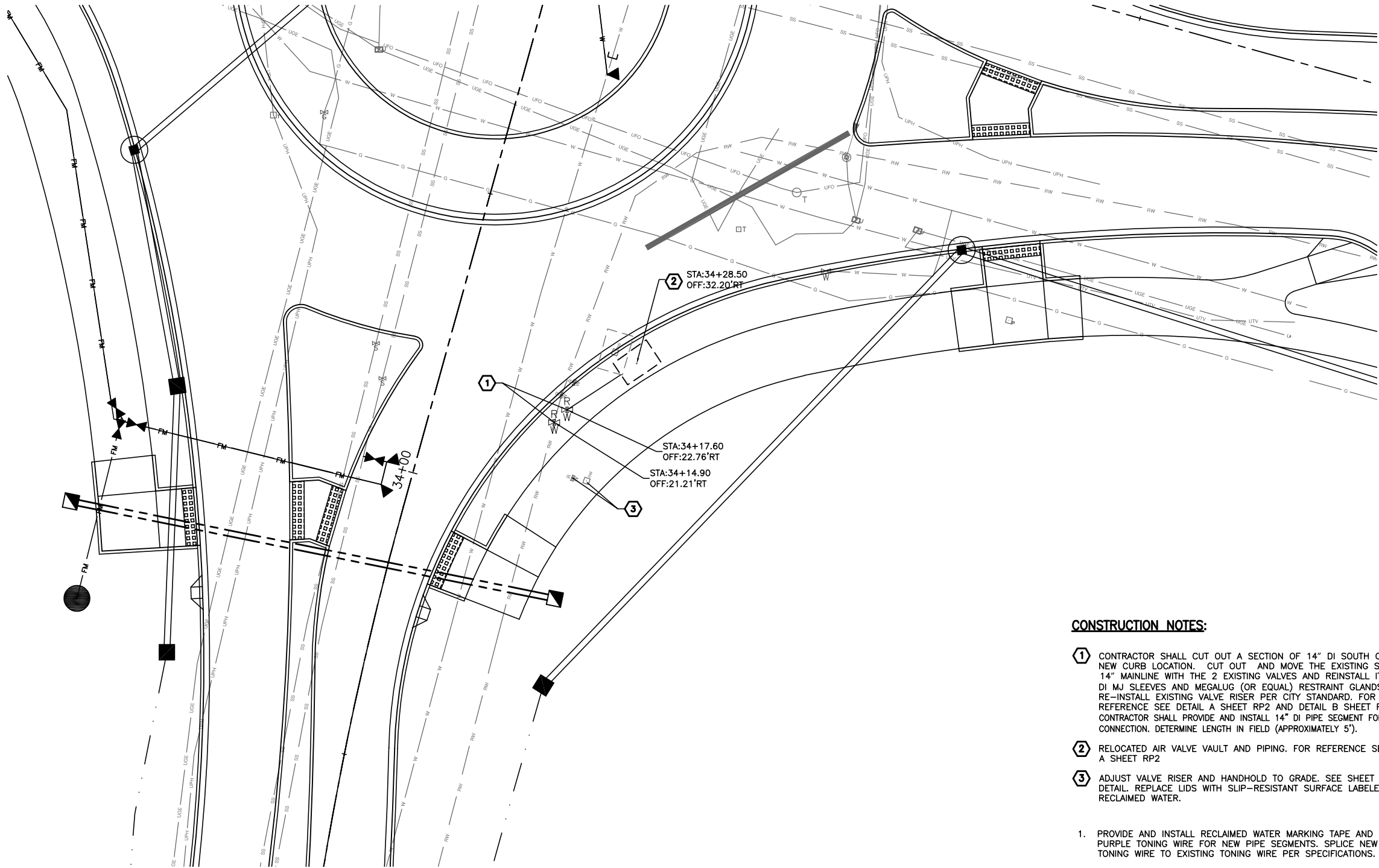
The unit contract price per each for "Flow Meter Vault" shall be full compensation for all labor, material, and equipment to furnish and install the flow meter and manhole including excavation, grading, backfill, manhole structure, pipe, conduit, fittings, stands, grout, and all other items necessary for the unit to be installed complete in place.

"Relocate Reclaimed Water Vault", lump sum.

The lump sum contract price for "Relocate Reclaimed Water Vault", shall be full pay for providing all labor, tools, equipment, and materials necessary to complete the requirements of this section and connect to the existing reclaimed water main. All costs to furnish and install pipe where indicated by the City and detailed in the plans shall be included in the unit contract price per lump sum for "Relocate Reclaimed Water Vault " and shall be full compensation for all labor, material, and equipment to furnish, place, assemble, and install pipe, complete in place, including tees, bends, caps, reducers, special fittings, thrust blocking, dewatering, testing, placing and compacting base course material, and connection to existing system. Further, all excavation, hauling, disposal, compaction and other required earthwork shall be included.

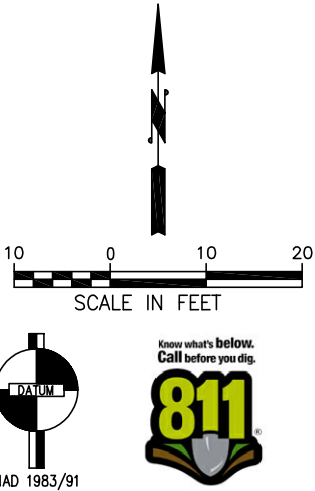
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SEC. 10, T.18N., R.1W., W.M.



CONSTRUCTION NOTES:

1. CONTRACTOR SHALL CUT OUT A SECTION OF 14" DI SOUTH OF THE NEW CURB LOCATION. CUT OUT AND MOVE THE EXISTING SECTION OF 14" MAINLINE WITH THE 2 EXISTING VALVES AND REINSTALL IT WITH 14" DI MJ SLEEVES AND MEGALUG (OR EQUAL) RESTRAINT GLANDS. RE-INSTALL EXISTING VALVE RISER PER CITY STANDARD. FOR REFERENCE SEE DETAIL A SHEET RP2 AND DETAIL B SHEET RP3. CONTRACTOR SHALL PROVIDE AND INSTALL 14" DI PIPE SEGMENT FOR CONNECTION. DETERMINE LENGTH IN FIELD (APPROXIMATELY 5').
 2. RELOCATED AIR VALVE VAULT AND PIPING. FOR REFERENCE SEE DETAIL A SHEET RP2
 3. ADJUST VALVE RISER AND HANDHOLD TO GRADE. SEE SHEET UD3 FOR DETAIL. REPLACE LIDS WITH SLIP-RESISTANT SURFACE LABELED AS RECLAIMED WATER.
1. PROVIDE AND INSTALL RECLAIMED WATER MARKING TAPE AND PURPLE TONING WIRE FOR NEW PIPE SEGMENTS. SPLICE NEW TONING WIRE TO EXISTING TONING WIRE PER SPECIFICATIONS.



NO.	DATE	BY	APPR.	REVISIONS

JP
DESIGNED BY
CED
DRAWN BY
JP
CHECKED BY
ATB
APPROVED BY
DATE: 12/7/2023



LOCHNER



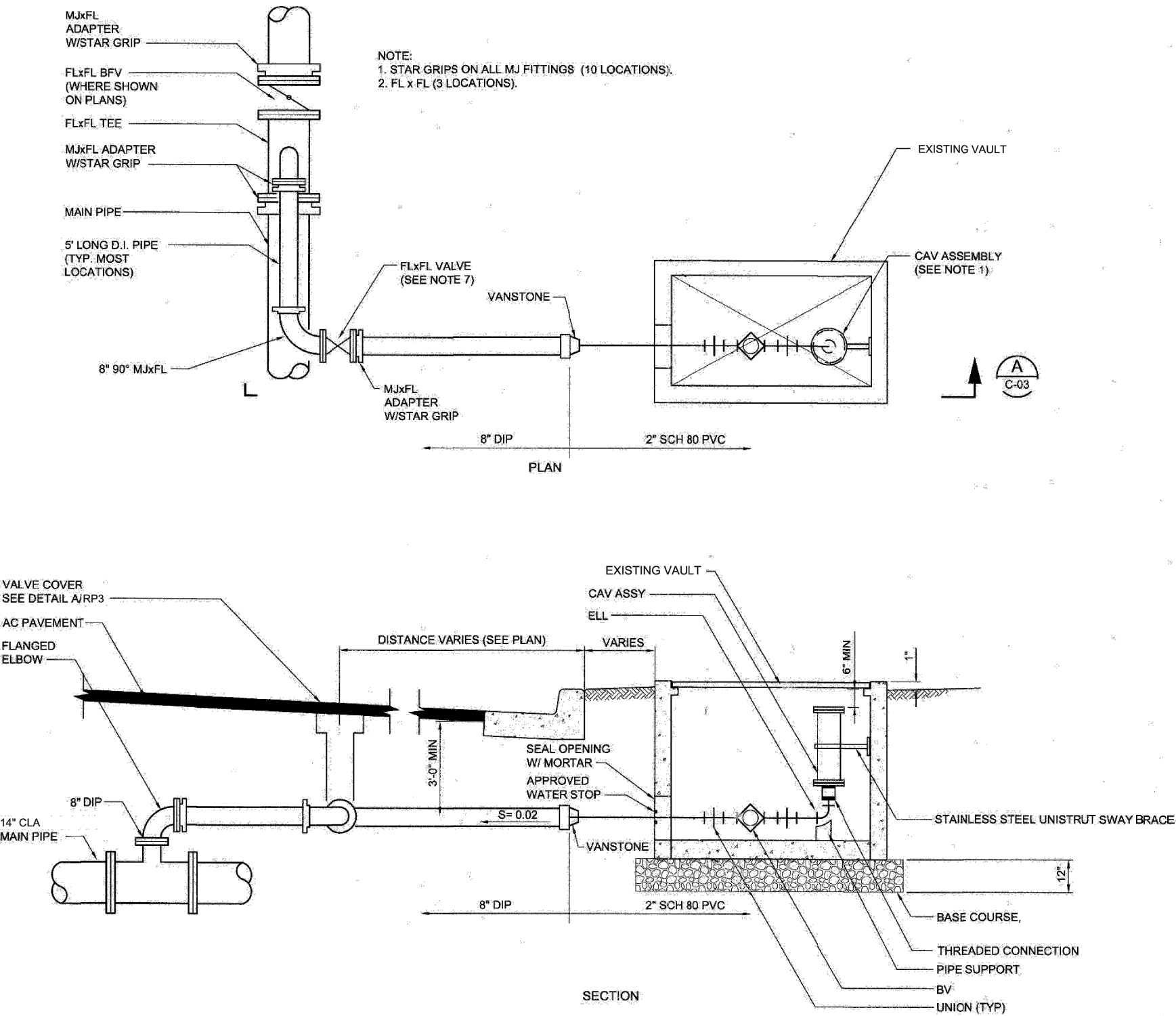
CARPENTER ROAD/BRITTON PARKWAY
ROUNDBOUT

RECLAIMED WATER RELOCATION PLAN

DRAWING NUMBER

RP1

SHT 1 OF 1



- NOTES:
- 1. COMBINATION AIR VALVE ASSEMBLY ASSEMBLY FOR REFERENCE. CONTRACTOR SHALL RELOCATE EXISTING COMBINATION AIR VALVE ASSEMBLY AND RECONNECT.
 - 2. FURNISH AND CONSTRUCT NEW BASE UNDER NEW VAULT LOCATION.
 - 3. PROVIDE NEW PIPE AND NEW APPURTENANCES WITH SHOP-APPLIED PROTECTIVE COATING FOR ALL FERROUS SURFACES PER SPECIFICATIONS.
 - 4. PROVIDE STAINLESS STEEL NUTS, BOLTS, AND WASHERS WITH BURIED FLANGES AND COUPLINGS, EXCEPT WHERE FLANGE INSULATOR SETS ARE INSTALLED.
 - 5. NOT USED
 - 6. LOCATION SHOWN ON DRAWINGS IS APPROXIMATE. FINAL LOCATION SHALL BE DETERMINED IN THE FIELD BY OWNERS REPRESENTATIVE.
 - 7. NOT USED
 - 8. ADJUST PIPING CONFIGURATION TO MATCH EXISTING SITE CONSTRAINTS.
 - 9. CONTRACTOR SHALL REUSE EXISTING AIR VALVE ASSEMBLY, VAULT, AND EXISTING VALVES.

COMBINATION AIR VALVE



NO.	DATE	BY	APPR.	REVISIONS

JP
DESIGNED BY
JP
DRAWN BY
YZ
CHECKED BY
ATB
APPROVED BY
DATE: 12/7/2023



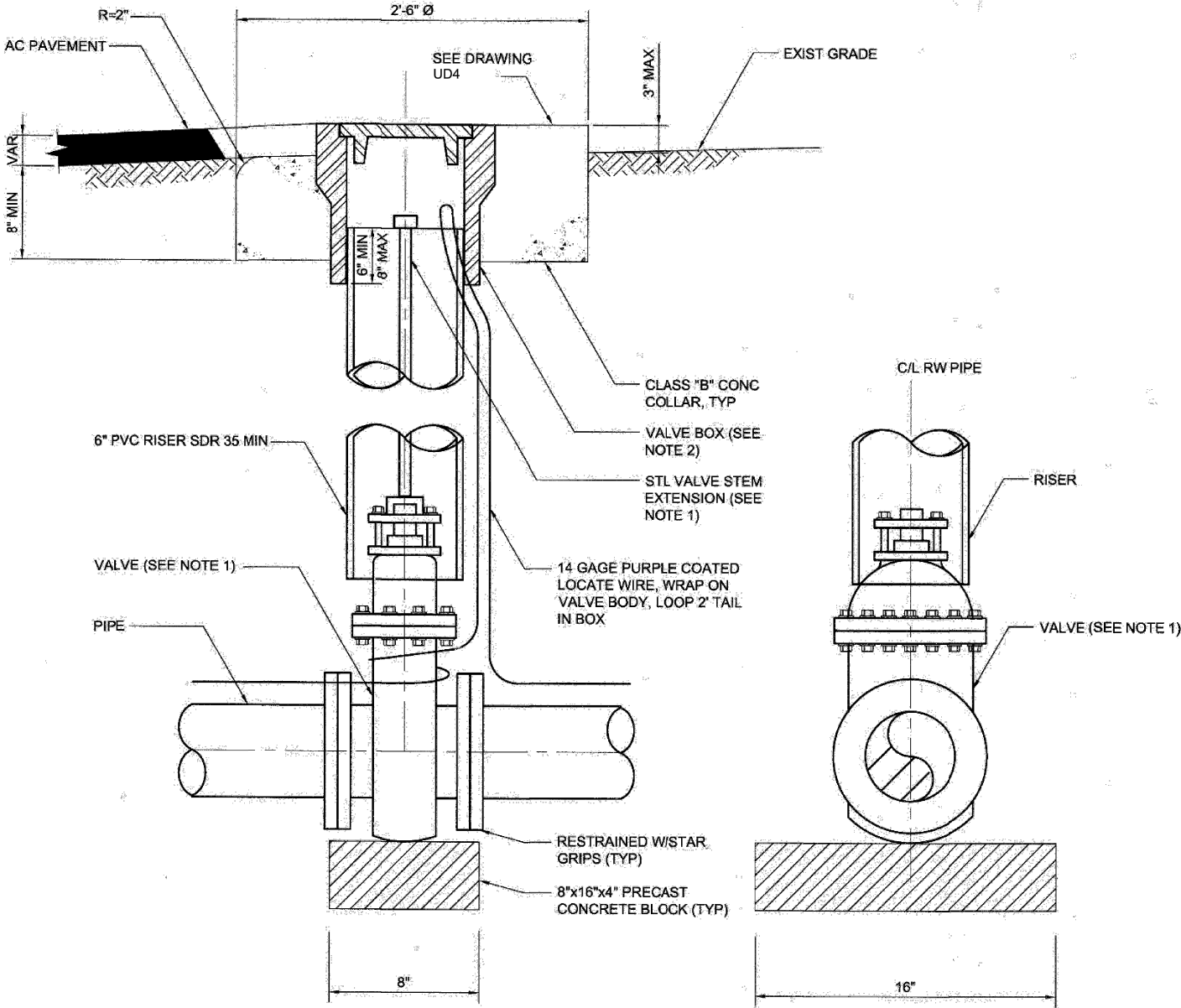
LOCHNER



CARPENTER ROAD/BRITTON PARKWAY
ROUNDBOUT

RECLAIMED WATER RELOCATION PLAN

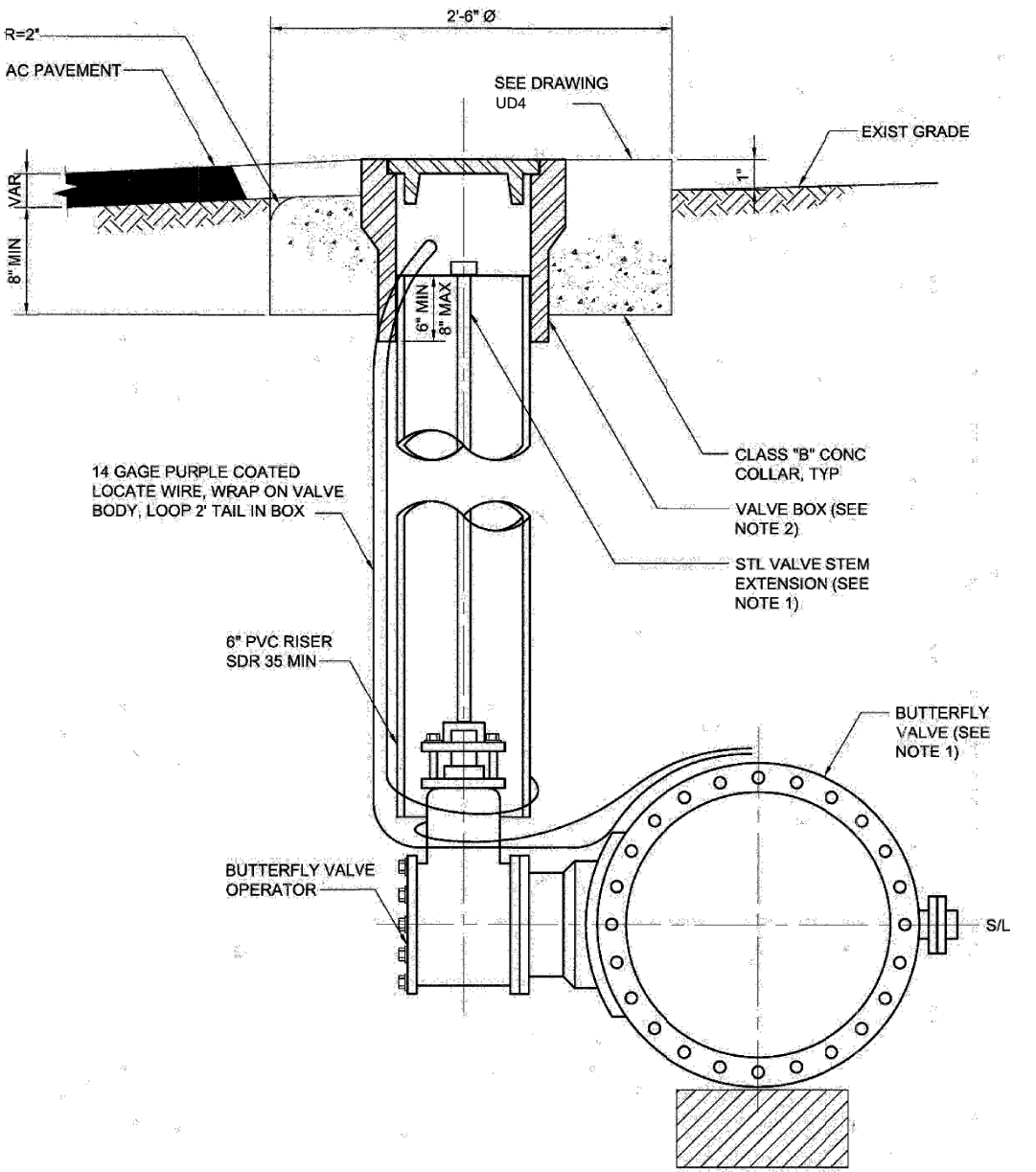
DRAWING NUMBER
RP2
SHT 2 OF 2



- NOTES:
1. NOT USED
 2. PROVIDE TRAFFIC RATED VALVE BOX, OLYMPIC FOUNDRY VB-960 OR EQUAL WITH "SEWER" CAST INTO THE LID FOR PLUG VALVE AND BROOKS 4TT TRIANGLE WITH "RECLAIMED WATER" CAST INTO THE LID FOR GATE VALVE.
 3. PROVIDE CONCRETE ANCHOR BLOCK AS SHOWN. WELDED, BOLTED, AND OTHER APPROVED RESTRAINED CONNECTIONS DO NOT REQUIRE ANCHOR BLOCKS.
 4. COAT ALL BOLTS WITH GREASE. CONCRETE RESTRAINT SHALL BE SEPARATED FROM PIPE/VALVES/ETC WITH PLASTIC SHEETING.

BURIED GATE OR PLUG VALVE

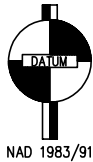
DETAIL A
NTS



- NOTES:
1. NOT USED
 2. PROVIDE TRAFFIC RATED VALVE BOX, BROOKS 4TT TRIANGLE WITH "RECLAIMED WATER" CAST INTO THE LID.
 3. SUBMIT JOINT RESTRAINT DATA FOR APPROVAL PER SPECIFICATIONS.

BURIED BUTTERFLY VALVE 14-INCH AND SMALLER

DETAIL B
NTS



NO.	DATE	BY	APPR.	REVISIONS

JP
DESIGNED BY
JP
DRAWN BY
YZ
CHECKED BY
ATB
APPROVED BY
DATE: 12/7/2023



LOCHNER



CARPENTER ROAD/BRITTON PARKWAY
ROUNDBOUT

RECLAIMED WATER RELOCATION PLAN

DRAWING NUMBER
RP3
SHT 3 OF 3