Rogue River Valley Irrigation District

3139 Merriman Road
Medford, OR 97501

Phone: (541) 773-6127
Fax: (541) 773-5420
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www.rrvid.org

DATE: November 8, 2018

Addendum No. 01

TO: **ITB PACKAGE HOLDERS**

APPROVED BY: _____ P.E.
Jaime Jordan, OBEC Consulting Engineers

SUBJECT: Hopkins Canal Piping Project

Bids Closing 11:00 a.m. Tuesday, November 13, 2018

The following changes are made to the Project Special Provisions:

1. Subsection **01150.15(a) Ladders** - This subsection is added after subsection 01150.15:

   1150.15(a) Ladders – Furnish ladders according to Section 00470 and ODOT Standard Drawing RD336.

2. Subsection **01150.15(b) Access Door** - This subsection is added after subsection 01150.15(a):

   1150.15(b) Access Door – Furnish a single leaf pedestrian rated access door matching the dimensions shown on the Plans, with spring-assist and capability for locking with a padlock. Access door material shall be galvanized steel or aluminum diamond plate.

These changes will be included in the Contract for this Project. It is understood that your Bid will be submitted accordingly.

The following changes are made to the Bid Reference Documents:

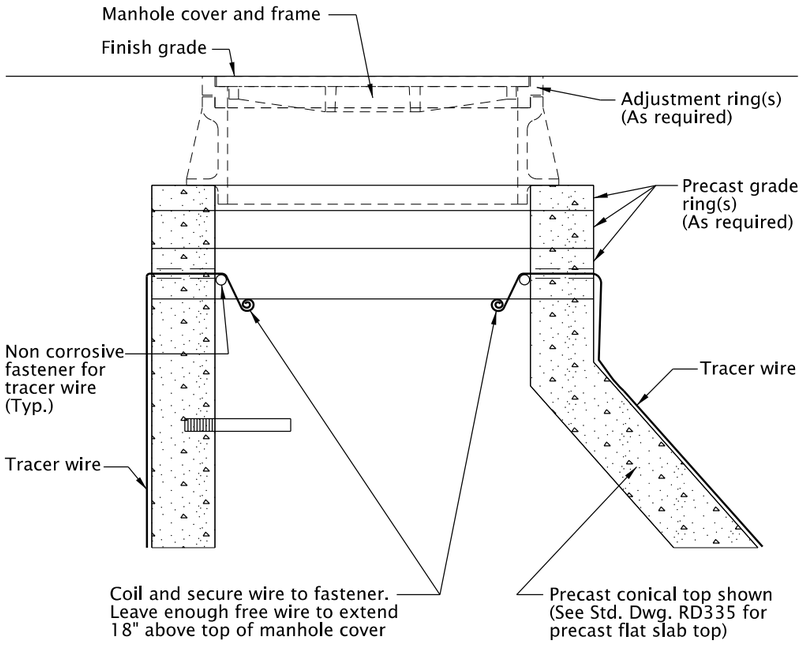
1. **ODOT Standard Drawing RD336** - This standard drawing is provided, as referenced in Special Provisions subsection 01150.15(a).

2. **Cla-Val Flow Control Valve Details** – These details are provided in response to a bidder request. This document shows information related to the "y" strainer filtration system referenced in note #7 on plan sheet 2A-8. The "y" strainer will be Agency furnished.

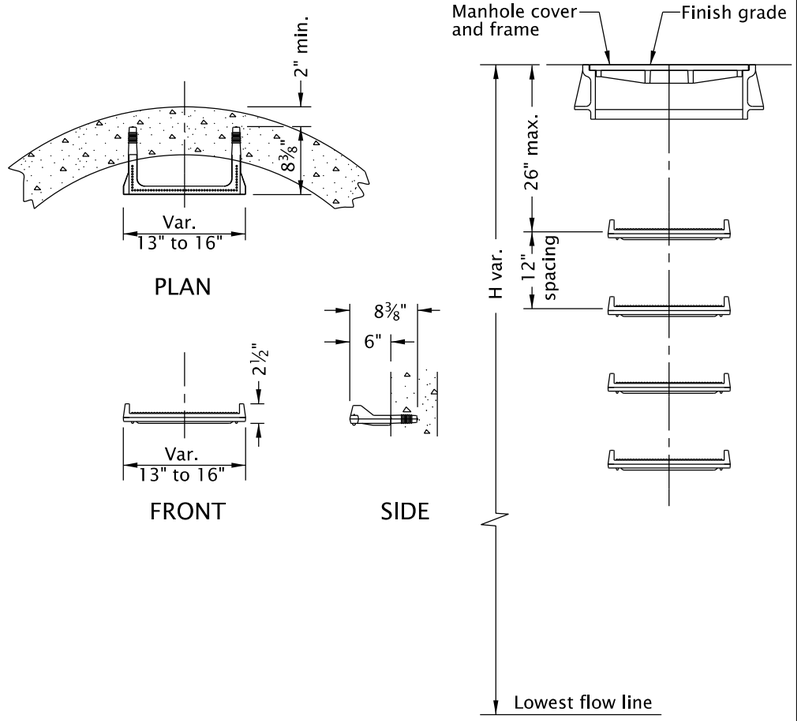
3. **Video Inspection Report for Existing Siphon at Antelope Creek** – This video inspection report is provided in response to a bidder request.

ecf:JLJ

Attachments: Additional Bid Reference Documents (3)

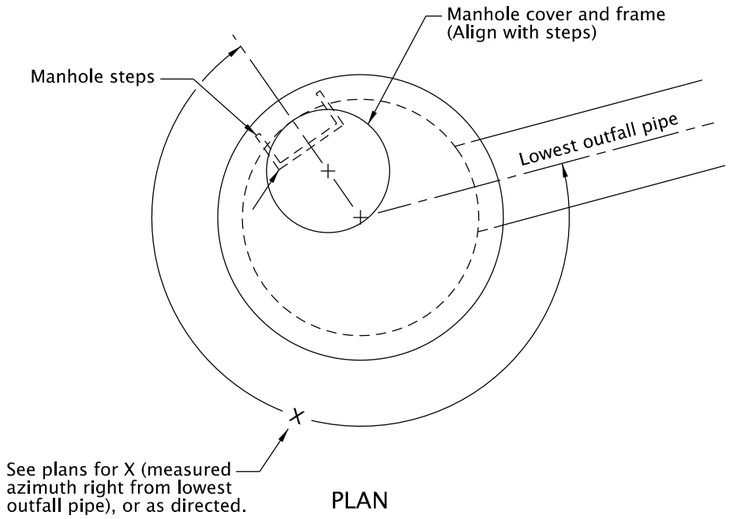


DETAIL "A"
TRACER WIRE
(See general note 6)



See ODOT's QPL for acceptable alternate manhole steps and/or ladders.
NOTE: No conflict with pipe align with available shelf.

DETAIL "B"
MANHOLE STEPS
(See general note 7)



DETAIL "C"
PRECAST CONICAL TOP
OR
PRECAST FLAT SLAB TOP
AND MANHOLE STEPS ORIENTATION
(See general note 7)

GENERAL NOTES FOR ALL DETAILS:

1. All precast products shall conform to requirements of ASTM C478.
2. Standard precast manhole section diameter shall be 48". Use 42" if specified by the Engineer.
3. See Std. Dwg. RD345 for pipe to manhole connections.
4. See Std. Dwg. RD344 for manhole base section.
5. Adjust 24" maximum.
6. All connecting pipes shall have a tracer wire, or approved alternate. Place tracer wire directly over pipe centerline and on top of the pipe zone material.
7. Steps and ladders shall conform to requirements of ASTM C478. When H=42" or less omit steps. See Detail "C" for alignment of steps, and manhole cover and frame.
8. See Std. Dwg. RD335 for details not shown.
9. See Std. Dwg. RD356 for manhole covers and frames, manhole adjustment rings, etc.
10. Max. pipe diameter varies with pipe material.
11. See Std. Dwg. RD342 for shallow manholes.
12. See project plans for details not shown.

CALC. BOOK NO. N/A

BASELINE REPORT DATE 25-JUL-2017

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

STANDARD MANHOLE DETAILS

2018

DATE	REVISION DESCRIPTION

rd336.dgn 25-JUL-2017

RD336

CLA-VAL CO. NEWPORT BEACH, CALIFORNIA

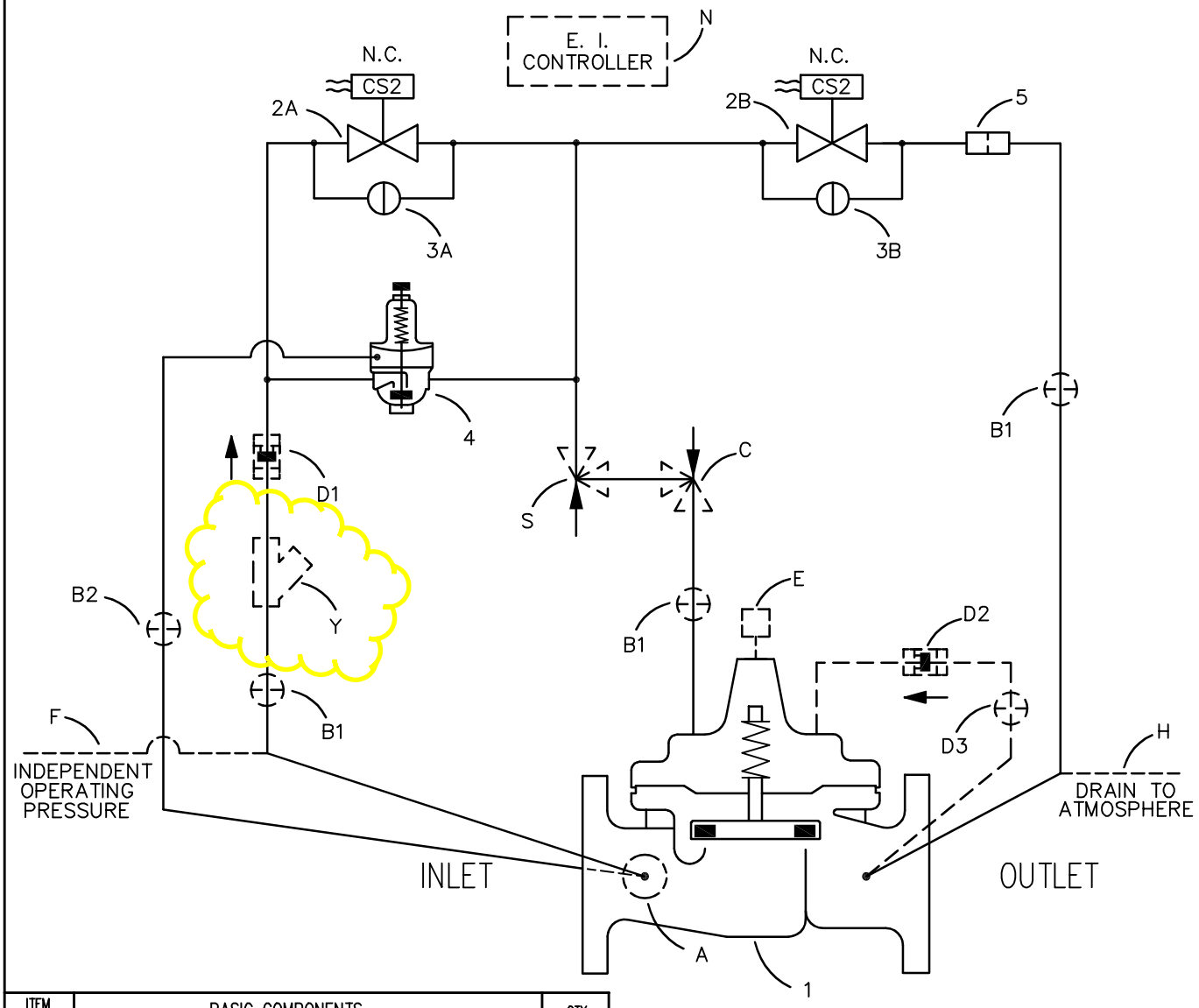
CATALOG NO.	DRAWING NO.	REV.
131-EJ/631-EJ	208067	—

TYPE OF VALVE AND MAIN FEATURES

ELECTRONIC INTERFACE VALVE WITH PRESSURE SUSTAINING FEATURE

DESIGN		
DRAWN	AK	06-23-10
CHK'D	VL	06-24-10
APV'D	CH	06-24-10

——— - - - ——— NOT FURNISHED BY CLA-VAL CO. ——— ——— ——— OPTIONAL FEATURES



ITEM NO.	BASIC COMPONENTS	QTY
1	100-01 HYTROL (131-EJ) MAIN VALVE 100-20 HYTROL (631-EJ) MAIN VALVE	1
2	CS2 SOLENOID CONTROL	2
3	CK2 COCK (SOLENOID BYPASS)	2
4	CRA PRESSURE REDUCING CONTROL	1
5	X58C RESTRICTION ASSEMBLY	1

OPTIONAL FEATURE SUFFIX		ADDED TO CATALOG NUMBER
A	X46A FLOW CLEAN STRAINER	1
B	CK2 COCK (ISOLATION VALVE)	4
C	CV FLOW CONTROL (CLOSING)	1
D	CHECK VALVES WITH COCK	1
E	X117D POSITION TRANSMITTER	1
F	INDEPENDENT OPERATING PRESSURE	
H	ATMOSPHERIC DRAIN	
N	ELECTRONIC CONTROLLER (SINGLE)	1
S	CV FLOW CONTROL (OPENING)	1
Y	X43 "Y" STRAINER	1

LTR	DESCRIPTION	BY	DATE
—	RELEASED FOR PRODUCTION (NED 64652)	AK	06-23-10

CAD REVISION RECORD - DO NOT REVISE MANUALLY

CLA-VAL CO. NEWPORT BEACH, CALIFORNIA

CATALOG NO.	DRAWING NO.	REV.
131-EJ/631-EJ	208067	—

TYPE OF VALVE AND MAIN FEATURES

ELECTRONIC INTERFACE VALVE WITH PRESSURE SUSTAINING FEATURE

DESIGN		
DRAWN	AK	06-23-10
CHK'D	VL	06-24-10
APV'D	CH	06-24-10

OPERATING DATA

I. ELECTRONIC INTERFACE FEATURE:

SOLENOID CONTROLS (2A) AND (2B) ARE DIRECT ACTING, 2-WAY SOLENOID CONTROLS THAT CHANGE POSITION WHEN THE COILS ARE ENERGIZED OR DE-ENERGIZED BY THE ELECTRONIC INTERFACE CONTROLLER (N). THE FOLLOWING PARAGRAPHS DESCRIBE THE OPENING AND CLOSING CYCLES OF MAIN VALVE (1).

OPENING:

WHEN THE ELECTRONIC INTERFACE CONTROLLER (N) ENERGIZES SOLENOID CONTROL (2B), SOLENOID CONTROL (2A) IS DE-ENERGIZED. THIS RELIEVES MAIN VALVE (1) COVER PRESSURE TO OUTLET AND THE MAIN VALVE (1) STARTS TO OPEN UNTIL THE ELECTRONIC INTERFACE CONTROLLER (N) DE-ENERGIZES SOLENOID CONTROL (2B), LOCKING THE MAIN VALVE (1) IN THE DESIRED INTERMEDIATE POSITION.

CLOSING:

WHEN THE ELECTRONIC INTERFACE CONTROLLER (N) ENERGIZES SOLENOID CONTROL (2A), SOLENOID CONTROL (2B) IS DE-ENERGIZED. THIS APPLIES THE INLET PRESSURE TO THE MAIN VALVE (1) COVER CHAMBER AND THE MAIN VALVE STARTS TO CLOSE UNTIL THE ELECTRONIC INTERFACE CONTROLLER (N) DE-ENERGIZES SOLENOID CONTROL (2A).

II. MANUAL BYPASS FEATURE:

OPENING:

MANUALLY OPEN CK2 COCK (3B) AND CLOSE CK2 COCK (3A). THIS BYPASSES SOLENOID CONTROL (2B) OPENING THE MAIN VALVE (1).

LOCKED:

MANUALLY CLOSE CK2 COCKS (3A) AND (3B). THIS LOCKS IN MAIN VALVE (1) IN AN INTERMEDIATE POSITION.

CLOSING:

MANUALLY OPEN CK2 COCK (3A) AND CLOSE CK2 COCK (3B). THIS BYPASSES SOLENOID CONTROL (2A) CLOSING THE MAIN VALVE (1).

III. PRESSURE SUSTAINING FEATURE:

PRESSURE REDUCING CONTROL (4) IS A NORMALLY OPEN CONTROL THAT SENSES MAIN VALVE INLET PRESSURE CHANGES. CONTROL (4) IS CLOSED IF INLET PRESSURE IS HIGHER THAN THE SET POINT OF CONTROL (4). THIS PLACES THE MAIN VALVE UNDER COMMAND OF SOLENOID CONTROLS (2A) & (2B). IF INLET PRESSURE LOWERS TO THE SET POINT OF CONTROL (4), CONTROL (4) OPENS. THIS PRESSURIZES THE MAIN VALVE COVER AND THE MAIN VALVE CLOSES, SUSTAINING THE DESIRED MINIMUM PRESSURE AT THE MAIN VALVE INLET. PRESSURE REDUCING CONTROL (4) ADJUSTMENT: TURN THE ADJUSTING SCREW CLOCKWISE TO INCREASE THE SETTING.

CAD REVISION RECORD - DO NOT REVISE MANUALLY

LTR	DESCRIPTION	BY	DATE
	SEE SHEET 1.		

CLA-VAL CO. NEWPORT BEACH, CALIFORNIA

CATALOG NO.	DRAWING NO.	REV.
131-EJ/631-EJ	208067	—

TYPE OF VALVE AND MAIN FEATURES

ELECTRONIC INTERFACE VALVE WITH PRESSURE SUSTAINING FEATURE

DESIGN		
DRAWN	AK	06-23-10
CHK'D	VL	06-24-10
APV'D	CH	06-24-10

OPERATING DATA-CONTINUED

IV. OPTIONAL FEATURE OPERATING DATA:

SUFFIX A (FLOW CLEAN STRAINER)

A SELF-CLEANING STRAINER IS INSTALLED IN THE MAIN VALVE INLET BODY BOSS WHICH PROTECTS THE PILOT SYSTEM FROM FOREIGN PARTICLES.

SUFFIX B (ISOLATION VALVES)

CK2 COCKS (B1) & (B2) ARE USED TO ISOLATE THE PILOT SYSTEM FROM MAIN LINE PRESSURE. THESE VALVES MUST BE OPEN DURING NORMAL OPERATION.

SUFFIX C (CLOSING SPEED CONTROL)

FLOW CONTROL (C) CONTROLS THE CLOSING SPEED OF THE MAIN VALVE. TURN THE ADJUSTING STEM CLOCKWISE TO MAKE THE MAIN VALVE CLOSE SLOWER.

SUFFIX D (CHECK VALVES WITH COCK):

WHEN OUTLET PRESSURE IS HIGHER THAN INLET PRESSURE, CHECK VALVE (D2) OPENS AND (D1) CLOSES. THIS DIRECTS THE HIGHER OUTLET PRESSURE INTO THE MAIN VALVE COVER AND THE MAIN VALVE CLOSES.

SUFFIX E (POSITION TRANSMITTER)

POSITION TRANSMITTER (E) TRANSMITS A POSITIONAL SIGNAL FROM THE MAIN VALVE TO THE ELECTRONIC INTERFACE CONTROLLER.

SUFFIX F (INDEPENDENT OPERATING PRESSURE)

PILOT SUPPLY PRESSURE IS OBTAINED FROM AN INDEPENDENT SOURCE. (PILOT SUPPLY PRESSURE IS OBTAINED FROM THE MAIN VALVE INLET IF SUFFIX (F) IS NOT SPECIFIED.) NOTE: INDEPENDENT OPERATING PRESSURE MUST BE EQUAL TO OR GREATER THAN PRESSURE AT THE MAIN VALVE INLET AT ALL TIMES.

SUFFIX H (ATMOSPHERIC DRAIN)

PILOT SYSTEM DRAIN LINE IS DISCHARGED TO ATMOSPHERE. [PILOT SYSTEM DRAIN LINE IS CONNECTED TO THE MAIN VALVE OUTLET BOSS IF SUFFIX (H) IS NOT SPECIFIED.]

SUFFIX N (ELECTRONIC INTERFACE CONTROLLER)

ELECTRONIC INTERFACE CONTROLLER (N) ENERGIZES OR DE-ENERGIZES THE SOLENOID CONTROLS, OPENING, CLOSING OR LOCKING THE MAIN VALVE (1) IN THE DESIRE POSITION.

CAD REVISION RECORD - DO NOT REVISE MANUALLY

LTR	DESCRIPTION	BY	DATE
	SEE SHEET 1.		

CLA-VAL CO. NEWPORT BEACH, CALIFORNIA

CATALOG NO.	DRAWING NO.	REV.
131-EJ/631-EJ	208067	—

TYPE OF VALVE AND MAIN FEATURES

ELECTRONIC INTERFACE VALVE WITH PRESSURE SUSTAINING FEATURE

DESIGN		
DRAWN	AK	06-23-10
CHK'D	VL	06-24-10
APV'D	CH	06-24-10

OPERATING DATA-CONTINUED

SUFFIX S (OPENING SPEED CONTROL)

FLOW CONTROL (S) CONTROLS THE OPENING SPEED OF THE MAIN VALVE. TURN THE ADJUSTING STEM CLOCKWISE TO MAKE THE MAIN VALVE OPEN SLOWER.

SUFFIX Y (Y-STRAINER)

A Y-PATTERN STRAINER IS INSTALLED IN THE PILOT SUPPLY LINE TO PROTECT THE PILOT SYSTEM FROM FOREIGN PARTICLES. THE STRAINER SCREEN MUST BE CLEANED PERIODICALLY.

V. CHECK LIST FOR PROPER OPERATION:

( ) SYSTEM VALVES OPEN UPSTREAM AND DOWNSTREAM.
( ) AIR REMOVED FROM THE MAIN VALVE COVER AND PILOT SYSTEM AT ALL HIGH POINTS.
( ) CK2 COCKS (B1), (B2) & (D3) OPEN (OPTIONAL FEATURE).
( ) PERIODIC CLEANING OF STRAINER (Y) IS RECOMMENDED (OPTIONAL FEATURE).
( ) CV FLOW CONTROLS (C) AND (S) OPEN AT LEAST 4 TURNS (OPTIONAL FEATURE).
( ) CORRECT VOLTAGE TO SOLENOID CONTROLS (2A) & (2B).
( ) INDEPENDENT OPERATING PRESSURE CONNECTION PROPERLY CONNECTED (OPTIONAL FEATURE).
( ) CK2 COCKS (3A) & (3B) CLOSED DURING NORMAL OPERATION.

CAD REVISION RECORD - DO NOT REVISE MANUALLY

LTR	DESCRIPTION	BY	DATE
	SEE SHEET 1.		

Rogue Valley Sewer Services
138 W. Vilas Rd.
Central Point, OR 97502
Ph: 541-664-6300
Fx: 541-664-7171

G_ID	Size	Material	Total Length	Basin	Map Page
	36	Not Known			

Upstream MH	Downstream MH	Street	Location Details
ANTCULVERT01	ANTCULVERT02	EASMENT OFF OF E ANTELOPE RD	

Direction	Purpose	Surveyor	Project
Downstream	Maintenance Related	QZilembo	ANTELOPE SIPHON

Additional Info	Date	Time	Length Surveyed
WORK BEING DONE FOR ROGUE RIVER VALLEY IRRIGATION DIST.	20171214	10:55	35.4

Ftg.	Code	Description	Position	Comment
0.0	AOC	Access Point - Other Special Chamber		Starting Manhole: ANTCULVERT01
18.0	MWL	Water Level		
18.1	DSGV	Deposits Settled: Gravel	4 to 8	
35.4	MSA	Survey Abandoned		unable to pass through rock

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	36	Not Known			

Upstream MH	Downstream MH	Street	Location Details
ANTCULVERT01	ANTCULVERT02	EASMENT OFF OF E ANTELOPE RD	

Direction	Purpose	Surveyor	Project
Downstream	Maintenance Related	QZilembo	ANTELOPE SIPHON

Additional Info	Date	Time	Length Surveyed
WORK BEING DONE FOR ROGUE RIVER VALLEY IRRIGATION DIST.	20171214	10:55	35.4

AOC - Access Point - Other Special Chamber @ 0.0 ft. Starting Manhole: ANTCULVERT01

MSA - Survey Abandoned @ 35.4 ft. unable to pass through rock

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Ph: 541-664-6300
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G_ID	Size	Material	Total Length	Basin	Map Page
	36	Not Known			

Upstream MH	Downstream MH	Street	Location Details
ANTCULVERT01	ANTCULVERT02	EASMENT OFF OF E ANTELOPE RD	

Direction	Purpose	Surveyor	Project
Upstream	Maintenance Related	QZilembo	ANTELOPE SIPHON

Additional Info	Date	Time	Length Surveyed
WORK BEING DONE FOR ROGUE RIVER VALLEY IRRIGATION DIST.	20171214	10:30	32.9

Ftg.	Code	Description	Position	Comment
32.9	MSA	Survey Abandoned		UNABLE TO PASS- WILL ATTEMPT TO GO DOWNSTREAM
7.7	DSGV	Deposits Settled: Gravel	5 to 7	
0.0	MWL	Water Level		
0.0	AOC	Access Point - Other Special Chamber		START ANTCULVERT01

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Central Point, OR 97502
Ph: 541-664-6300
Fx: 541-664-7171

G_ID	Size	Material	Total Length	Basin	Map Page
	36	Not Known			

Upstream MH	Downstream MH	Street	Location Details
ANTCULVERT01	ANTCULVERT02	EASMENT OFF OF E ANTELOPE RD	

Direction	Purpose	Surveyor	Project
Upstream	Maintenance Related	QZilembo	ANTELOPE SIPHON

Additional Info	Date	Time	Length Surveyed
WORK BEING DONE FOR ROGUE RIVER VALLEY IRRIGATION DIST.	20171214	10:30	32.9

AOC - Access Point - Other Special Chamber @ 0.0 ft. START ANTCULVERT01

MSA - Survey Abandoned @ 32.9 ft. UNABLE TO PASS- WILL ATTEMPT TO GO DOWNSTREAM