



October 12, 2022

Port of Hood River Portway Stormwater Pipeline Project

Addendum No. 2:

This Solicitation Addendum modifies the Bid Document(s) for Work only to the extent indicated herein. All other areas not specifically mentioned or affected by this Solicitation Addendum shall remain in full force. This Solicitation Addendum shall be added as a part of the Original Bidding Document.

This Solicitation Addendum must be acknowledged by inserting its number on the appropriate blank lines in the CONTRACTOR REGISTRATION FORM, Acknowledgement of Addendums page 19 and by providing all required signatures prior to Bid Closing. Failure to do so may result in rejection of Bid.

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Addendum 2

- 1) Replace Plan Sheet C2.03 with attached plan sheet. This corrects various pipe dimension corrections.
- 2) **Service Line B shall be 10". Modify the existing callouts on Sheet C2.00 to reflect the correct size.**
- 3) **Detail D-1 – PORTWAY STORMLINE – PROFILE** – Modify the callout for manhole #2 to replace "12" IE IN (N) = 84.35'" with "10" IE IN (N) = 84.35".
- 4) **Detail D-6 – SERVICE LINE B – PROFILE** – Replace the callout for the pipe that reads "12" ASTM D3034 PVC" with "10" ASTM D3034 PVC".

John Mann
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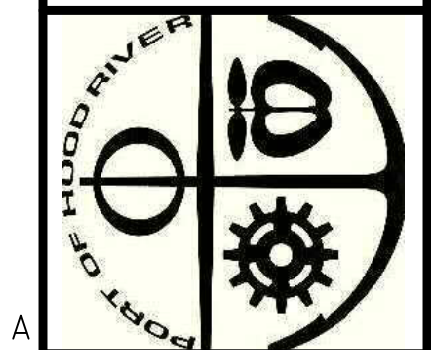
A

B

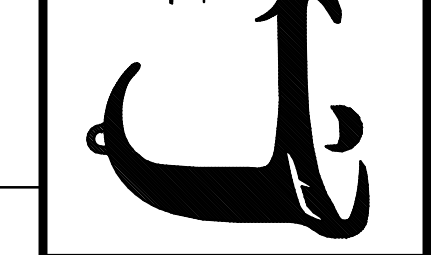
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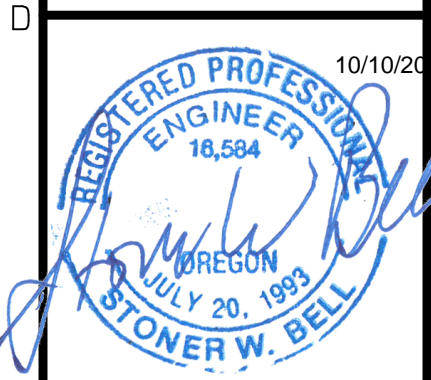


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DETAILS
PORTWAY STORMWATER PIPELINE PROJECT
HOOD RIVER, OREGON

JOB NO. 21B295
DATE 07/25/22
DRAWN BY CTB CHECKED BY SWB
REVISIONS DATE 10/10/22
RECORD DRAWINGS DATE



SHEET NO.
C2.03

STORMFILTER STEEL CATCHBASIN DESIGN NOTES

STORMFILTER TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. 2 CARTRIDGE CATCHBASIN HAS A MAXIMUM OF TWO CARTRIDGES. SYSTEM IS SHOWN WITH A 2" CARTRIDGE, AND IS ALSO AVAILABLE WITH AN 1" CARTRIDGE. STORMFILTER CATCHBASIN CONFIGURATIONS ARE AVAILABLE WITH A DRY INLET BAY FOR VECTOR CONTROL. PEAK HYDRAULIC CAPACITY PER TABLE BELOW. IF THE SITE CONDITIONS EXCEED PEAK HYDRAULIC CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

| CARTRIDGE SELECTION | |
|--------------------------------|----------|
| CARTRIDGE HEIGHT | 2" |
| RECOMMENDED HYDRAULIC DROP (H) | 3.05' |
| SPECIFIC FLOW RATE (gpm/sf) | 2 gpm/sf |
| CARTRIDGE FLOW RATE (gpm) | 22.5 |
| PEAK HYDRAULIC CAPACITY, CFS | 1.0 |
| INLET PERMANENT POOL LEVEL (A) | 1'-0" |
| OVERALL STRUCTURE HEIGHT (B) | 4'-0" |

* 1.67 gpm/sf SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSCRB) MEDIA ONLY.

GENERAL NOTES

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.

2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STORMFILTER CATCHBASIN STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE, WWW.CONTECHES.COM

3. STORMFILTER CATCHBASIN WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.

4. INLET SHOULD NOT BE LOWER THAN OUTLET. INLET (IF APPLICABLE) AND OUTLET PIPING TO BE SPECIFIED BY ENGINEER AND PROVIDED BY CONTRACTOR.

5. MANUFACTURER TO APPLY A SURFACE BEAD WELD IN THE SHAPE OF THE LETTER "O" ABOVE THE OUTLET PIPE STUB ON THE EXTERIOR SURFACE OF THE STEEL SFCB.

6. STORMFILTER CATCHBASIN EQUIPPED WITH 4 INCH (APPROXIMATE) LONG STUBS FOR INLET (IF APPLICABLE) AND OUTLET PIPING. STANDARD OUTLET STUB IS 8 INCHES IN DIAMETER. MAXIMUM OUTLET STUB IS 15 INCHES IN DIAMETER. CONNECTION TO COLLECTION PIPING CAN BE MADE USING FLEXIBLE COUPLING BY CONTRACTOR.

7. STEEL STRUCTURE TO BE MANUFACTURED OF 1/4 INCH STEEL PLATE. CASTINGS SHALL MEET AASHTO M206 LOAD RATING, TO MEET HS20 LOAD RATING ON STRUCTURE. A CONCRETE COLLAR IS REQUIRED, WHEN REQUIRED, CONCRETE COLLAR WITH #4 REINFORCING BARS TO BE PROVIDED BY CONTRACTOR.

8. FILTER CARTRIDGES SHALL BE MEDIA FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 4 INCHES. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS.

9. SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft).

INSTALLATION NOTES

A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.

B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CATCHBASIN (LIFTING CLUTCHES PROVIDED).

C. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

PLAN VIEW

SECTION A-A

SECTION B-B

CONFIGURATIONS

2 CARTRIDGE CATCHBASIN STORMFILTER STANDARD DETAIL

OPTION G
FULLY LOWERED SIDEWALK

SECTION C-C

GENERAL NOTES:

1. NOTES FOR ALL DETAILS FOUND ON SHEET 1.

CITY OF HOOD RIVER STANDARD DRAWINGS RD-07

DRIVEWAY DETAIL (OPTIONS F)

5 OF 5

2019

REVISIONS

B-4
C2.03

HR STANDARD FULLY LOWERED SIDEWALK DETAIL

NOT TO SCALE

CITY OF HOOD RIVER STANDARD PLANS NOTE:

THESE DETAILS ARE FROM THE CITY OF HOOD RIVER'S ENGINEERING STANDARDS, WHICH IS AVAILABLE FROM THE CITY OF HOOD RIVER.

WHILE EVERY EFFORT HAS BEEN MADE TO REPRODUCE THESE DETAILS AS ACCURATELY AS POSSIBLE, BELL DESIGN COMPANY MAKES NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS.

THEY ARE HEREBY PROVIDED FOR THE CONTRACTORS CONVENIENCE. THE CONTRACTOR IS REQUIRED TO USE THE LATEST STANDARD DRAWINGS AVAILABLE FROM THE ABOVE MANUAL.

ALL REFERENCES TO OTHER STANDARD PLANS ARE IN REFERENCE TO DRAWINGS IN THE ABOVE MANUAL.

EXISTING CURB AND GUTTER. DO NOT DISTURB EXCEPT WHERE NOTED ON PLANS. RESTORE AT CONTRACTOR'S SOLE EXPENSE.

SAWCUT BOTH SIDES OF TRENCH. SEE NOTE 1 AND DETAIL B-1/C2.01.

TRENCH WIDTH AS REQUIRED. CUT 12" BEYOND EDGE OF TRENCH ON EACH SIDE*

2" GRIND AND OVERLAY* SEE NOTE #2

CONTINUE 2" GRIND AND OVERLAY TO SOUTH CURB AND GUTTER

EXISTING SIDEWALK SURFACE. DO NOT DISTURB EXCEPT WHERE NOTED ON PLANS. RESTORE AT CONTRACTOR'S SOLE EXPENSE.

BASE TO BE REPLACED

EXISTING BASE TO REMAIN

ASPHALT TO BE REPLACED. MATCH EXISTING DEPTH AT TRENCH (4" MIN.).

TRENCH. SEE DETAIL D-1/C2.01

NEW PIPE OR CONDUIT

NOTES:

1. CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING ASPHALT TO THE WIDTH OF THE TRENCH PRIOR TO TRENCHING. AFTER TRENCH IS BACKFILLED AND COMPACTED, CONTRACTOR SHALL SAWCUT AND REMOVE THE ASPHALT A MIN. OF 12" BEYOND THE EDGE OF TRENCH.

2. GRIND EXISTING PAVEMENT AND OVERLAY AFTER ALL TRENCHING WORK IS COMPLETED.

*PAY LIMIT FOR 2" ASPHALT REPLACEMENT DIRECTLY OVER TRENCH SHALL BE LIMITED TO A MAX. OF 12' BETWEEN FINAL SAWCUTS. PAY LIMIT FOR 2" FULL STREET ASPHALT REPLACEMENT SHALL BE FROM EDGE OF THE CURB AND GUTTER TO OPPOSITE EDGE OF CURB AND GUTTER.

D-4
C2.03

FULL STREET GRIND AND OVERLAY DETAIL

NOT TO SCALE

THIS LINE IS 1" LONG. IF THIS LINE IS NOT 1" LONG, ADJUST SCALE ACCORDINGLY

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B-1
C2.03

CONTECH STORMFILTER CATCHBASIN DETAIL

NOT TO SCALE

MANHOLE #1

MANHOLE #2

2"X4" PT SERVICE CONNECTION MARKER

BACKFILL AGAINST CAP TO PREVENT CAP BLOWOFF & SECURE IN PLACE WITH TRENCH BACKFILL.

PROVIDE PT BLOCK IF NEEDED

PAINT WHITE TO 12" BELOW SURFACE

LOCATE WIRE, SECURE ABOVE GRADE TO 2"X4"

GASKETED CAP

SEWER LATERAL

D-1
C2.03

MANHOLE PIPE ORIENTATION DETAIL

NOT TO SCALE

D-2
C2.03

SEWER LATERAL TERMINATION DETAIL

NOT TO SCALE