



SMALL PUBLIC WORKS REQUEST FOR QUOTATIONS
QUOTATION NUMBER 201009

ADDENDUM NO. 3

Date: December 30, 2020
Re: CLALLAM BAY 8TH STREET MAIN REPLACEMENT
To: ALL PROSPECTIVE BIDDERS

This Addendum No. 3 forms a part of the Contract Documents and modifies the original bidding documents dated December 18, 2020. This Addendum is issued to clarify, revise, add to, or delete from the original bidding documents. Bidders shall determine the work affected by the Addendum items.

This Addendum consists of:

CHANGES TO SPECIFICATIONS

Item AD3-1 Section 405 Minor Cold Asphalt Concrete Pavement:

- a. Use FHWA FP-14 for further references inside of Cold Asphalt Concrete Pavement Specifications.
- b. Payment for this item will be made per the original bid form under Pavement and Driveway Restoration.
- c. Paving and Compaction Equipment Requirements will be at the discretion of the Contractor provided all quality requirements can still be met.

CHANGES TO DRAWINGS

Item AD3-2 Drawing Sheet Number: 4 of 5

- a. 3" of Cold Asphalt Concrete Pavement, 1/2" max. aggregate size, in typical trench section detail.
- b. CSBC called out as main trench backfill in typical trench section detail.
- c. Gravel Backfill for Pipe Zone Bedding clarified in typical trench section detail.

This addendum consists of seven (7) pages. **THIS ADDENDUM MUST BE ACKNOWLEDGED AND INCLUDED WITH ANY BID SUBMITTED.**

Addendum No. 3 acknowledged by:

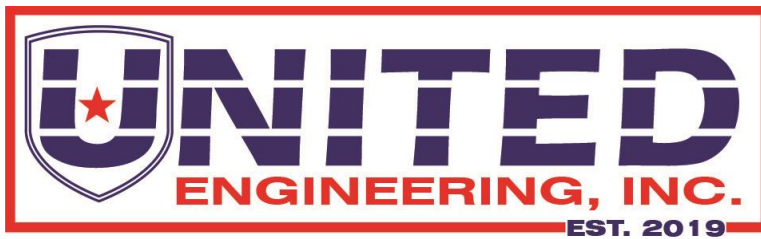
Firm: _____

By: _____
(Signature)

(Typed or Printed)

Title: _____

Date: _____



115 E Railroad Ave., Suite 310, Port Angeles, WA 98362
(360) 912-5191 www.gounitedengineering.com

ADDENDUM NO. 3

Date of Issue: December 30, 2020

To all prospective bidders of record on the Work titled:

Clallam Bay-8th Street Water Main Replacement Project

The Drawings and Project Manual including Specifications are modified as follows. This Addendum forms a part of the Contract Documents and modifies the original documents dated December 18, 2020.

This Addendum consists of 1 page and:

- Cold Asphalt Specification Section
- Modified Detail Sheet

Note: The bid date unchanged from January 5, 2021.

United Engineering, Inc.

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END OF ADDENDUM NO. 3

Section 405—Minor Cold Asphalt Concrete Pavement

Description

405.01 Work. Construct one or more courses of cold asphalt concrete plant mix on a prepared surface as SHOWN ON THE DRAWINGS. Have the surface approved by the CO in writing prior to placing cold asphalt concrete plant mix.

Cutback asphalt grade is designated as shown in AASHTO M 81 or M 82. Emulsified asphalt grade is designated as shown in AASHTO M 140 or M 208.

Materials

405.02 Asphalt Material. Ensure that asphalt material meets the requirements specified in Subsection 702.02 or 702.03, as applicable. The exact percent of asphalt material and the grade to be used will be furnished by the CO after requirements in Subsection 405.05 have been reviewed and evaluated. Ensure that mixing temperatures shall meet the requirements specified in Subsection 702.04.

405.03 Aggregate. Ensure that aggregate meets the requirements specified in Subsection 703.09, except for aggregate gradation. Maximum gradation size or suggested gradation designations will be SHOWN ON THE DRAWINGS.

405.04 Additives. Additives, such as filler, hydrated lime, and antistripping agents, may be used as necessary to meet specifications. Ensure that filler meets the requirements of AASHTO M 17; hydrated lime meets the requirements of AASHTO M 216, type N; antistripping materials meet the requirements specified in Subsection 702.07; and choker aggregate meets the requirements specified in Subsection 703.11.

405.05 Job-Mix Formula. Submit a job-mix formula and supporting documentation, test results, and calculations for the material to be incorporated into the work. Include copies of laboratory test results and mix design data that demonstrate that the properties of the aggregate, additives, and mixture meet those requirements and criteria of local public agencies or the AI. After reviewing the Contractor's proposed job-mix formula, the CO will determine the final values for the job-mix formula to be used and notify the Contractor in writing.

Construction

405.06 Asphalt Concrete Mixing Plant. Ensure that plants used for preparing cold asphalt concrete mixtures are manufactured for that purpose, in good repair, and capable of mixing the material to a uniform consistency.

405.07 Hauling Equipment. Ensure that trucks used for hauling asphalt concrete mixtures have tight, clean, smooth metal beds that have been thinly coated with a material to prevent the mixture from adhering to the beds. Do not use petroleum derivatives or other coating material that contaminates or alters the characteristics of the mixture. Drain truck beds prior to loading, and ensure that each truck has a cover to protect the mixture from weather. When necessary to ensure that the mixture will be delivered at the specified temperature, ensure that truck beds are insulated and covers securely fastened.

405.08 Pavers. Use pavers that are in good working order and have an adjustable vibrating screed or strike-off assembly, and an auger ahead of the screed to distribute the mixture. Use pavers that are capable of spreading and finishing courses of asphalt concrete plant mix material in the lane widths and thickness SHOWN ON THE DRAWINGS. Unless otherwise SHOWN ON THE DRAWINGS, towed-type pavers and Layton-type pavers or graders may be used to place and spread the asphalt concrete plant mix material.

405.09 Rollers. Ensure that all rollers meet the requirements specified in Subsections 203.15(b), (c), and (d). Where it is impractical to operate larger rollers, 3- to 5-t rollers may be used. On walkways, 1-t rollers may be used.

405.10 Weather Limitations. Do not place the asphalt concrete mixture when the base course is frozen, when the average temperature of the underlying surface upon which the asphalt concrete mixture is to be placed is less than 10 °C in the shade, or when it is raining or snowing, or predicted to rain or snow within 24 hours after placement.

405.11 Conditioning of Existing Surface. Immediately before placing the asphalt concrete mixture, clean the existing surface of loose or deleterious material.

Before placing the asphalt concrete mixture, paint the contact surfaces of curbing, gutters, manholes, and other structures with a thin, uniform coating of asphalt material.

405.12 Control of Asphalt Concrete Mixture. Supply a certification from the mixing plant stating that the mix conforms to the approved job-mix formula. The CO may reject any batch, load, or section of roadway that appears defective in gradation, asphalt content, or moisture content. Do not incorporate material rejected before placement into the pavement. Remove any rejected section of roadway. No payment will be made for the rejected materials or the removal of the materials, unless the Contractor requests that the rejected material be tested, at the Contractor's expense, under the following provisions:

- (a) Obtain three representative samples and have them tested at a laboratory approved by the CO.

- (b) If test results show that the material conforms to the tolerance shown in table 405-1, payment will be made for the material and for its removal and testing.

Table 405-1.—Allowable tolerances.

Mixture Characteristic	Tolerances
Residual asphalt content	Job-mix formula ± 0.5
Sieve size:	
9.5 mm and larger	Job-mix formula ± 5.0
4.75 to 9.49 mm	Job-mix formula ± 7.0
76 μm to 4.74 mm	Job-mix formula ± 5.0
75 μm	Job-mix formula ± 2.0

405.13 Transporting, Spreading, & Finishing. Transport the mixture from the mixing plant to the point of use in vehicles that meet the requirements specified in Subsection 405.07.

Spread the mixture and strike it off to the grade and elevation established. Provide a maximum compacted lift thickness of 100 mm unless otherwise SHOWN ON THE DRAWINGS.

Ensure that the longitudinal joint in any layer offsets that in the layer immediately below by approximately 150 mm. Where laydown requires placement of two adjacent panels to cover the surface of a traveled way, ensure that the longitudinal joint of the top layer is at the centerline. This requirement does not apply to turnouts, extra widening, or parking areas. Offset transverse joints in succeeding layers and in adjacent lanes at least 3 m.

On areas where irregularities or unavoidable obstacles make the use of mechanical spreading and finishing equipment impracticable, the mixture may be placed and finished by using hand tools.

405.14 Compaction. Perform compaction with rollers that meet the requirements specified in Subsection 405.09. Perform initial compaction with steel-wheel rollers for a minimum of three complete coverages. Between initial and final rolling on open-graded mixtures, apply a choker aggregate to the top layer only using aggregate spreading equipment designed for the controlled spreading of fine material. Uniformly spread the material to a depth that, when compacted, will be sufficient to fill the surface voids of the bituminous mat. Remove excessive choke material by brooming. Continue rolling, with a minimum of four complete coverages and until no roller tracks remain, and while the bituminous material is still tacky.

Measurement

405.15 Method. Use the method of measurement that is DESIGNATED IN THE SCHEDULE OF ITEMS.

Calculate the quantity of cold asphalt concrete plant mix as the tonnage of combined aggregate and asphalt material used in the accepted work. No separate payment will be made for asphalt material, water, or additives used in the mixture.

Payment

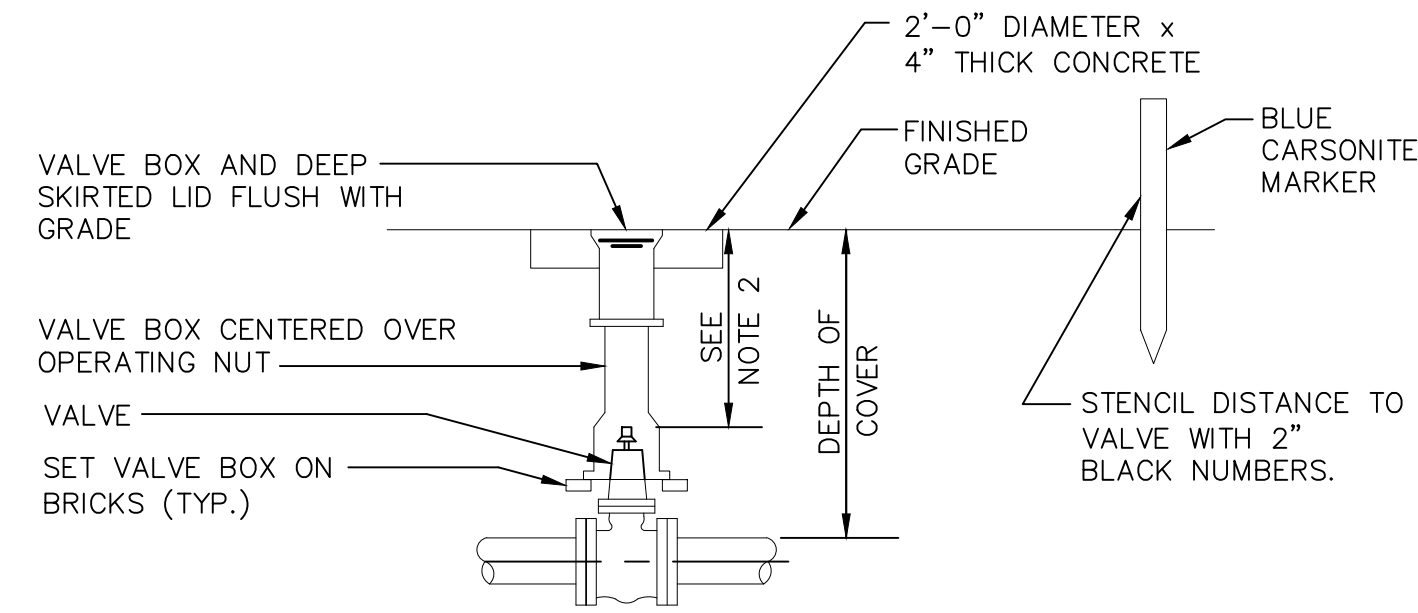
405.16 Basis. The accepted quantities will be paid for at the contract unit price for each PAY ITEM DESIGNATED IN THE SCHEDULE OF ITEMS.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
405 (01) Cold asphalt concrete plant mix, grade ____	Ton
405 (02) Cold asphalt concrete plant mix, grade ____	Square Meter

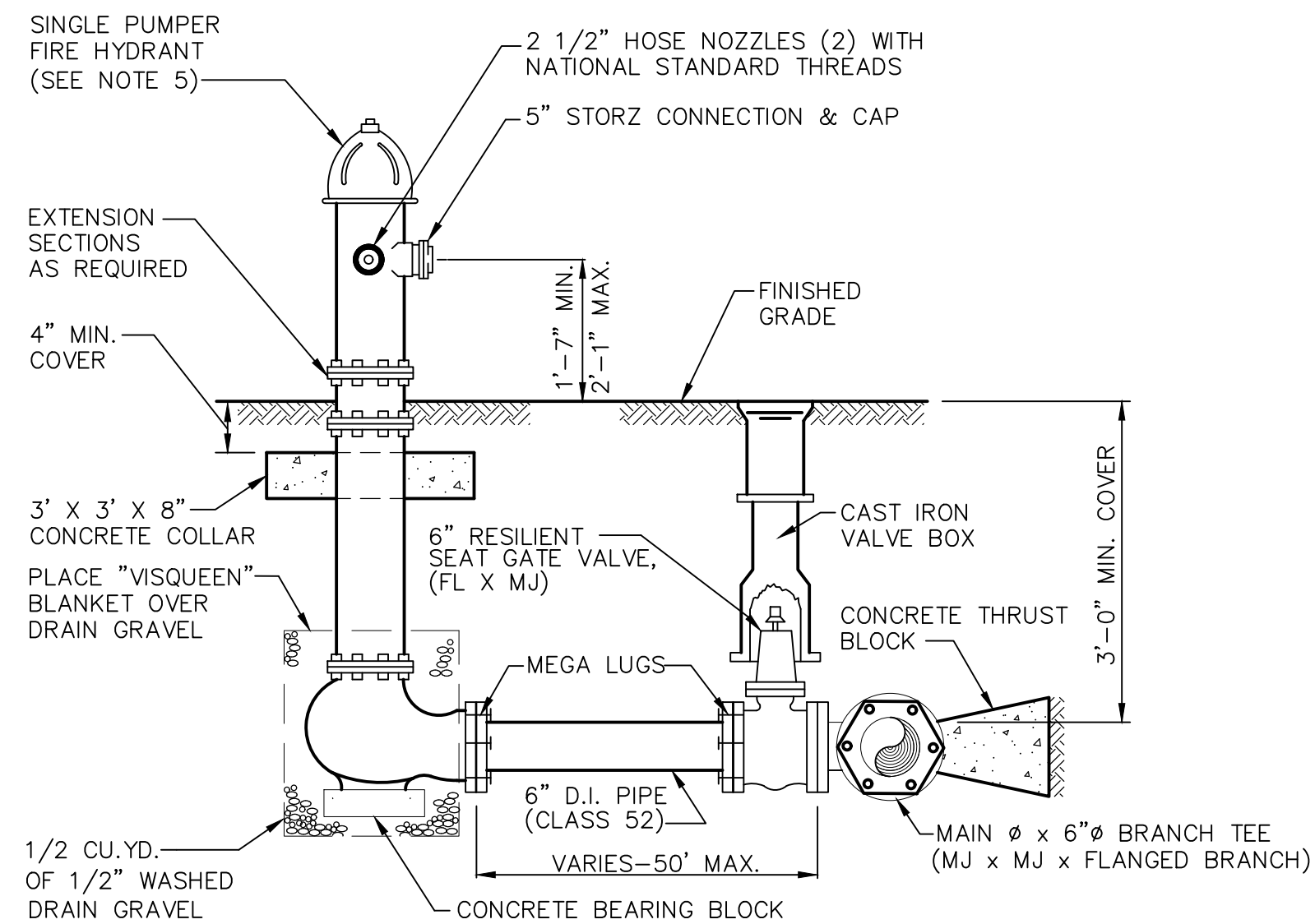
NOTES:

1. EACH VALVE SHALL BE PROVIDED WITH AN ADJUSTABLE CAST IRON VALVE BOX OF 5 INCHES (5") INSIDE DIAMETER. VALVE BOXES SHALL HAVE A TOP SECTION WITH AN EIGHTEEN INCH (18") MIN. LENGTH.
2. 18" MINIMUM, 24" MAXIMUM FOR OPERATOR NUT IF EXTENSION IS REQUIRED.
3. VALVE BOX EARS SHALL BE PLACED IN LINE WITH THE PIPE IT SERVES.



VALVE BOX IN UNIMPROVED AREA (VALVE MARKER REQUIRED)

A
4 VALVE BOX DETAIL
NOT TO SCALE



NOTES:

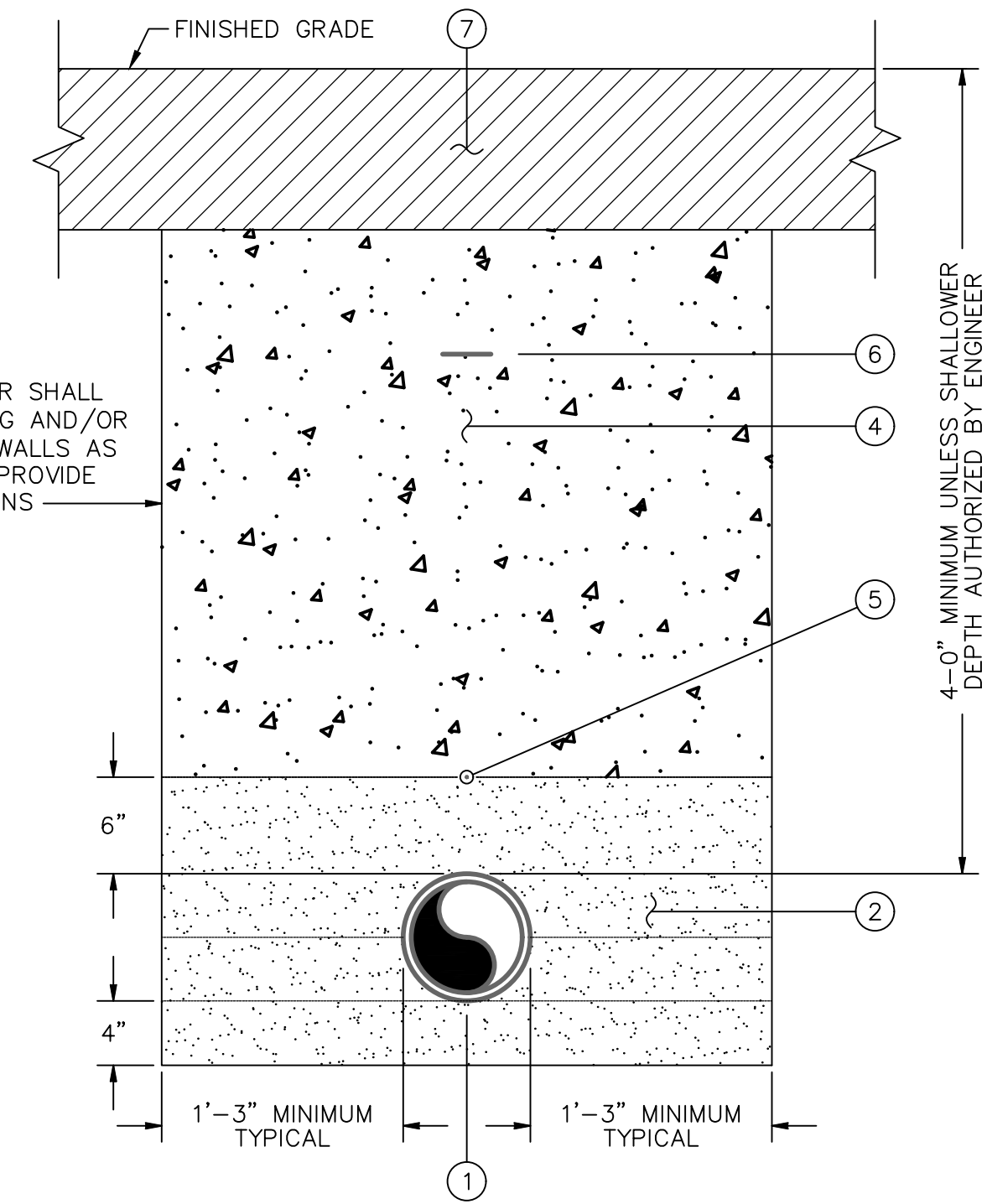
1. PROVIDE MIN. 3'-0" CLEARANCE AND LEVEL AREA AROUND HYDRANT
2. PAINT FIRE HYDRANT WITH TWO COATS KELLY MOORE 6100-516 YELLOW AND TOP OF HYDRANT COLOR DETERMINED BY SERVICE LEVEL GPM.
213 SAFETY BLUE-SERVICE LEVEL 1500 GPM OR GREATER
815 SAFETY GREEN-SERVICE LEVEL 1000 TO 1499 GPM
3. STENCIL FOOTAGE TO VALVE ON HYDRANT UNDER PORT FACING GV
4. REMOVE ALL CHAINS FOR FIRE HYDRANT CAPS
5. ACCEPTABLE HYDRANTS: CLOW MEDALLION OR MUELLER CENTURION.
6. INSTALL BLUE FIRE HYDRANT REFLECTOR. OFFSET 1 FOOT FROM ROAD CENTERLINE

B
4 NEW FIRE HYDRANT ASSEMBLY
NOT TO SCALE

BILL OF MATERIALS, NEW WATER LINE TRENCH SECTION

- 1 NEW WATER LINE OR EXISTING WATER LINE EXPOSED FOR CONSTRUCTION
- 2 GRAVEL BACKFILL FOR PIPE ZONE BEDDING, COMPACTED TO 95% MINIMUM IN 3 LIFTS: BOTTOM OF TRENCH TO BOTTOM OF PIPE, BOTTOM OF PIPE TO SPRINGLINE, AND SPRINGLINE TO 6" ABOVE TOP OF PIPE
- 4 CSBC, COMPACTED IN 6" LOOSE LIFTS TO 95% MINIMUM
- 5 NEW 10 GAUGE SOLID TRACE WIRE WITH 30 MIL BLUE HDPE COATING, BURIED 6" ABOVE PIPE, BROUGHT TO GRADE AT VALVE BOXES, EXTENDING 1 FOOT ABOVE FINISHED GRADE AT EACH VALVE BOX
- 6 NEW 3" WIDE x 5 MIL ALUMINUM BACKED DETECTABLE UTILITY WARNING TAPE, BLUE WITH "CAUTION - BURIED WATER LINE BELOW" IN BLACK LETTERS, BURIED 18" BELOW FINISHED GRADE
- 7 3" COLD MIX ASPHALT CONCRETE PAVEMENT, 1/2" MAX. AGGREGATE SIZE

THE CONTRACTOR SHALL PROVIDE SHORING AND/OR SLOPE TRENCH WALLS AS NECESSARY TO PROVIDE SAFE EXCAVATIONS



C
4 TYPICAL NEW WATER LINE TRENCH SECTION
NOT TO SCALE

DATE:	12/17/20
SCALE:	---
DESIGNED BY:	ZNS
DRAWN BY:	ZNS
CHECKED:	ZNS



DETAILS
WATER MAIN REPLACEMENT
8TH STREET, CLALLAM BAY, WA
CLALLAM COUNTY PUD #1

NO.	REVISION/ISSUE	DATE
1	COMMENTS FROM COUNTY ROAD DEPARTMENT	12-30-20

