

M:\Standards\2010-Standards\4-Water\Cast Iron Valve Box.dwg

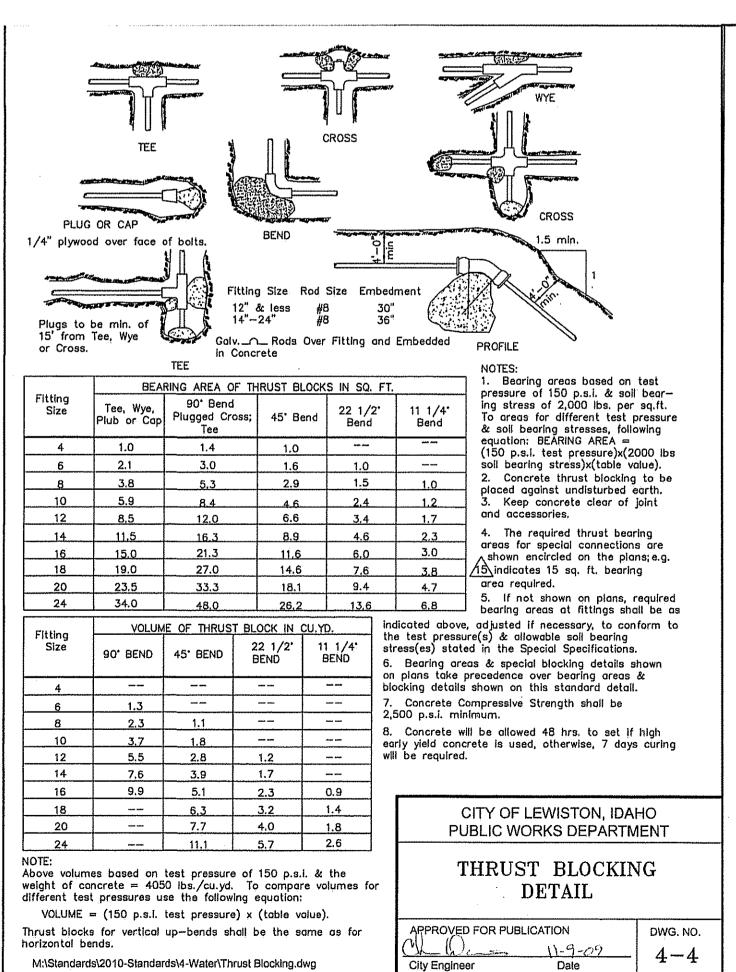
WITH ASSEMBLY

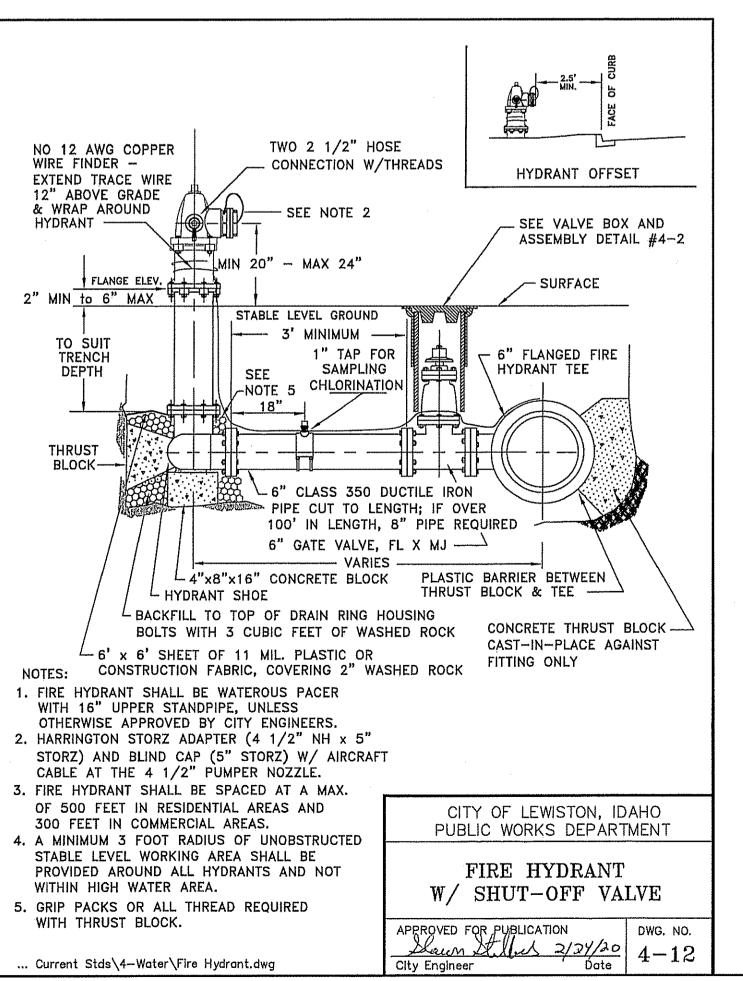
Date

DWG. NO.

APPROVED FOR PUBLICATION

City Engineer





ARD
AIRPORT WATER MAIN & HYDRANT
PROJECT—LYNBURG AVENUE
NEZ PERCE COUNTY AIRPORT
LEWISTON, IDAHO

LEWISTON STANDARD
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SI BUMBA

IF DRAWING IS LESS THAN 34" X 22" "REDUCE SCALE"

> C02 2 OF 3

\Brotarch Projects\2960-JMhanGaR\M&Y hanGaR\Sheels\C02 LEWISTON STANDARD DETAILS.dwg, 4/27/2020

	NOTE: The City of Lewiston reserves the right for 3rd party verification, inspection, and/or testing prior to infrastructure acceptance. Payment for the services of 3rd party will be the responsibility of the City of Lewiston unless items verified, inspected, and/or tested indicate non-conformance, will be the responsibility of developer/ confractor.						NOTE: The City of Lewiston reserves the right for 3rd party verification, inspection, and/or testing prior to infrastructure acceptance. Payment for the services of 3rd party will be the responsibility of the City of Lewiston unless items verified, inspected, and/or tested indicate non-conformance, will be the responsibility of developer/ contractor.					
ITEM	MATERIAL	TEST / STANDARD	ACCEPTANCE	TEST FREQUENCY	INSPECTOR/CO.	Will be	MATERIAL	TEST / STANDARD	ACCEPTANCE	TEST FREQUENCY	INSPECTOR/CO.	
ALL UTILITY TRENCHES & STRUCTURES						5. CONCRETE CURB, GUTTER & SIDEWALI				+		
RENCH SUBGRADE	Native (6" to 8" Lifts Max.)	Moisture Density Relationship of Soils (AASHTO T 180) In-Place Density and Moisture Content (AASHTO 310 Method B)	90% Max. Dry Densily	One in-place density test every lift per 100 linear feet, one in-place density test per day OR per lift [whichever test frequency is more restrictive].	t	CONCRETE:	CLASS 35B - Approved Mix Design Required with Min Cement Content of 560 Lb/CY, Max Water/ Cement Ratio of .44, a WRA, and an AEA	AASHTO T-22 Compressive Strength of Concrete AASHTO T-23 Making Test Specimens AASHTO T-119 Slump of Hydraulic Cement Concrete AASHTO T-152 Air Content of Freshly Mixed Concrete AASHTO T-309 Temperature of Freshly Mixed Concrete WAQTC TM-2 Sampling Freshly Mixed Concrete	Min. 28 day Compressive Strength = 3000 psi; Water/Cement Ratio shall be 0.5 lb/lb Max. Slump = 5 inches Air Content Percent = 6.5% ± 1.5 Temperature = 50°F - 80°F	1 of Each Test Minimum per Day, or 1 of Each Test per 50 CY		
PE BEDDING	3/4" minus Crushed Aggregate (6" to 8" Max. Lift) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (6" to 8" Max. Lift) (Current WDOT/M41-10 Spec 9-03.9)	Moisture Density Relationship of Soils (AASHTO T 180) In-Place Density and Moisture Content (AASHTO 310 Method B)	95% Max. Dry Densily	One in-place density test every lift per 100 linear feet, if project is less than 100 linear feet, one in-place density test per day OR per lift [whichever test frequency is more restrictive]. Test top 6" of 12" cover.	t	CRUSHED AGGREGATE BASE COURSE	3/4" minus Crushed Aggregate (4" Max. Lift) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (4" Max. Lift) (Current WDOT/M41-10 Spec 9-03.9)	Moisture Density Relationship of Soils (AASHTO T 180) In-Place Density and Moisture Content (AASHTO 310 Method B)	95% Max. Dry Density	1 Tests Per 500 LF-Min 2 Tests		
FOOT [12"] OF FILL OVER PIPE	(Current ITD Spec 703.04) OR	Moisture Density Relationship of Soils (AASHTO T 180) In-Place Density and Moisture Content (AASHTO 310 Method B)	95% Max. Dry Densily	One in-place density test every lift per 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per lift [whichever test frequency is more restrictive].	l l	ALIGNMENT AND GRADE JOINTS/FLATNESS/STRAIGHTNESS FINISH 6. ASPHALTIC CONCRETE PAVING	N/A N/A N/A	Visual Visual	± 0.02' from Design Grade/Alignment ± 0.02'/10' Segment Floated, Uniform, Light Broom Finish	Per 10' Section Per 10' Section Entire Surface Area	City Approval	
ENCH BACKFILL UNDER ROPOSED ROAD & SIDEWALK	3/4" minus Crushed Aggregate (6" to 8" Max. Lift) (Current ITD Spec 703.04) OR 5/8" minus Crushed Aggregate (6" to 8" Max. Lift) (Current WDOT/M41-10 Spec 9-03.9)	Moisture Density Relationship of Solis (AASHTO T 180) In-Place Density and Moisture Content (AASHTO 310 Method B)	95% Max. Dry Density	One in-place density test every lift per 100 linear feet, one in-place density test per day OR per lift [whichever test frequency is more restrictive].	t			Class SP2: AASHTO T-308, Asphalt Content AASHTO T-27 & T-11, Sleve Analysis WAQTC TM-8, In-Place Density of Bituminous Mixes AASHTO T-209, Theoretical Maximum Density (RICE)		Project 200 tons or less - Minumum of 1 test (asphalt content, and gradation) per project. A minimum of 2 cores will be taken to		
TRUCTURAL FILLS	As Spec'd by Engineer	As Spec'd by Engineer		As Spec'd by Engineer			ITD 405 Superpave Class SP3 and SP5	Class SP3 and SP5:	ITD Cooling 40E 02	determine final thickness and/ or density.		
STORM DRAIN MAINS ASKETED PE Storm Sewer Pipe	Polyethylene, ADS N-12 or Equal		Certified & Visual by City		Certified & Visual by City		(2017 ITD Spec 405 and 703.05)	AASHTO T-308, Asphalt Content AASHTO T-27 & T-11, Sleve Analysis	ITD Section 405.03 Asphalt Content - CJMF Value +/- 0.3%	Projects 200 tons or more -		
ASKETED PE Storm Sewer Pipe LIGNMENT AND GRADE DINTS (Deflection/Proper Pipe Embedment)	N/A N/A	Per Manufacturer's Instructions Per Manufacturer's Instructions		Per Plan Each Joint			Note: Contractor shall provide a pre-pave meeting	AASHTO T-166 Method A, Alr Volds, and Volds in Mineral Aggregates (VMA)	Sieve Analysis - Table 405.03-5 Air Volds - 4.0 +/- 1.0%	Minimum of 1 test (asphalt content, gradation, voids, and VMA) per 750		
RESSURE TEST	N/A Concrete	4 PSI for 15 Minutes, 1/2 PSI Drop City Standard	If required by City Engineer	Between Access Holes N/A	Certified & Visual by City	SUPERPAVE HOT MIX ASPHALT	to discuss methods and production operations for new roadway construction or projects over 200	WAQTC TM-8, In-Place Density of Bituminous Mixes with Correlated Nuclear Gauge or,	Voids in Mineral Aggregates, at N design 703.05 Minimum Value 0.05b	5 cores will be taken to determine		
ANHOLES IDEO INSPECTION	N/A	Ony ottained o	Public Works Policy No 2012-			·	tons. The City of Lewiston reserves the right to request a pre-pave meeting for projects with 200 tons or less.	AAHSTO T-166, Density of Bituminous Mixes by Cones AASHTO T-209, Theoretical Maximum Density (RICE)	All Projects Regardless of Tonnage In-Place Density - 92-96% of Maximum	final thickness and/or density. Random sampling locations		
WATER MAINS UCTILE IRON of PVC WATER MAIN	AWWA C-151, C-900, C-905 (Class as Req'd)	700 44044 200	Certified & Visual by City	Per Plan	Certified & Visual by City		ions of less.	Density Note: When a non-correlated gauge is used to	Theoretical (When acceptance will be			
UCTILE IRON or PVC WATER MAIN LIGNMENT AND GRADE DINTS (Deflection/Proper Pipe Embedment) -RUST BLOCKS	N/A N/A Concrete, 2500 PSI Mix	AWWA C-600, AWWA C-605 AWWA C-600, AWWA C-605 Per Approved Plans/or City Std Dwg # 4-4		Each Joint Each Joint	Certified & Visual by City			determine in-place density during production, cores will be taken for final density and thickness determination. When a correlated gauge is used for production testing, cores will be	submit documentation showing gauge correlation to proposed bituminous	The City of Lewiston reserves the right for 3rd party verification, inspections, and/or testing prior to		
YDROSTATIC PRESSURE	N/A	2 Hrs, NTE Allowable Leakage Per AWWA C-600, AWWA 605	C	150% Working Pressure OR 1½ times the Working Pressure in the Water System Bacterial Testing: two negative testing samples 24 hours	4	_		taken for thickness determination only. Core quantities an locations to be determined by the City of Lewiston.	d mixture used.)	infrastructure acceptance.		
HLORINATION/BACTERIA	N/A	AWWA C-651		apart	City of Lewiston	CRUSHED AGGREGATE BASE COURSE	Same lest requirement as under 5. Concrete Curl Gutter & Sidewalk	· .				
WASTEWATER MAINS VC WASTEWATER MAIN LIGNMENT AND GRADE DINTS (Deflection/Proper Pipe Embedment)	PVC, SDR 35	ASTM 3034 N/A		N/A Per Plan		7. EROSION & SEDIMENT CONTROLS	Per Approved Plan	Per Plan and Manufacturers' Instructions		1/Wk or After Every Rainfall		
OINTS (Deflection/Proper Pipe Embedment)	N/A N/A	Per Manufacturer's Instructions Hydrostatic Test		Each Joint Each Joint		8, TRAFFIC CONTROL	Per Approved Plan	Current Adopted MUTCD/ATSSA		Continuous		
IANHOLES RESSURE TEST	N/A	4 PSI for 15 Minutes, 1/2 PSI Drop		Between Access Holes					Market Ma		Certified & Visual by City - Underground infrastructure	
IDEO INSPECTION	N/A	No Perforations, Dents or Dimples, No Bellies > 0.02'	Public Works Policy No 2012-	2 Between Access Holes							elements must be approve	
ections 5 thru 11 on Page 2 of 2						9, PRIVATE STORMWATER SYSTEM	Per Approved Plan	City Resolution #80-100	Certified & Visual by City	Before Public Improvements	by City prior to backfill.	
ate Last: Revised December 2017						10. RECORD DRAWINGS	AutoCAD Elect File, Bond Paper, 22" x 34" Min Siz	e City Checklist		Accepted		
						Date Last: Revised December 2017						
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						Notivell oroldent\Public\Vorke\OE\/ELO	MENT\COMMERCIAL\Current Checklist\Checklist for	Cover Sheet\2018 Inspection Checklist - Page 2 of 2				
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AIRPORT WATER MAIN PROJECT—LYNBURG AV NEZ PERCE COUNTY LEWISTON, IDAHO

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34" X 22"
"REDUCE SCALE"

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