

HARRY WALL SEWER MAIN EXTENSION
PORT OF LEWISTON
LEWISTON, IDAHO 83501

CONTACT: DAVE DOERINGSFELD (208) 743-5531

- 1) THE CONTRACTOR SHALL PAY FOR ALL NECESSARY PERMITS AND FEES.
- 2) THE CONTRACTOR SHALL INVESTIGATE ON SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS OF THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY IN THE CONTRACT DOCUMENTS REQUIRING MODIFICATION PRIOR TO PROCEEDING.
- 3) THE CONTRACTOR SHALL TAKE ALL NECESSARY PREVENTATIVE MEASURES TO PROTECT THE EXISTING IMPROVEMENTS. ANY DAMAGE SHALL BE REPLACED AT NO COST TO THE OWNER.
- 4) THE CONTRACTOR SHALL COORDINATE THE WORK SCHEDULE SO AS TO HAVE A MINIMUM IMPACT ON THE EXISTING TRAFFIC. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PER IDAHO TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS.
- 5) OWNER'S PROPERTY CORNERS SHALL BE PROTECTED AT ALL TIMES. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF IDAHO TO REFERENCE ALL CORNERS. UPON COMPLETION OF THE PROJECT, ALL EXISTING CORNERS DAMAGED BY CONSTRUCTION OR OTHER ACTIVITY SHALL BE REPLACED BY A PROFESSIONAL LAND SURVEYOR.
- 6) ALL WORK SHALL CONFORM TO STATE AND LOCAL CODES AND CONFORM TO THE CITY OF LEWISTON STANDARD DRAWINGS AND STANDARD TECHNICAL SPECIFICATIONS.
- 7) SITE DISTANCES FOR ABUTTING PROPERTIES, DRIVEWAYS, AND INTERSECTIONS MUST BE MAINTAINED.
- 8) IMPROVEMENTS CONSTRUCTED ON RIGHT-OF-WAY REQUIRE A STREET CUT PERMIT OBTAINED AT THE CONSTRUCTION MANAGEMENT SECTION OF THE PUBLIC WORKS DEPARTMENT.
- 9) ALL CONSTRUCTION NOT SPECIFICALLY MENTIONED OR SHOWN SHALL CONFORM TO CITY ORDINANCES AND STANDARDS.
- 10) SANITARY DISPOSAL TO BE PER CITY OF LEWISTON STANDARDS.
- 11) SPECIAL INSPECTION IS REQUIRED FOR ITEMS LISTED IN THE SPECIAL INSPECTIONS FORM.
- 12) ALL EXISTING LIVE SEWERS SHALL BE KEPT IN SERVICE AT ALL TIMES. PROVISIONS SHALL BE MADE FOR DISPOSAL OF SEWAGE FLOW IF ANY EXISTING SEWERS ARE DAMAGED; DAMAGE TO EXISTING SEWERS SHALL BE REPAIRED BY THE CONTRACTOR, AT NO EXPENSE TO THE CITY, TO A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION.
- 13) SEWER PIPES SHALL BE P.V.C. POLYVINYL CHLORIDE PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM D 3034 SDR 35 OR ASTM F 798. JOINTS FOR P.V.C. PIPE SHALL CONFORM TO ASTM D 3212 USING RESTRAINED GASKETS CONFORMING TO ASTM F477. FITTINGS FOR P.V.C. PIPE SHALL BE INJECTION MOLDED TEES OR FACTORY SOLVENT CEMENTED SADDLE TEES UNLESS NOTED OTHERWISE.
- 12) UPON COMPLETION, CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS, COMPLETE WITH ELEVATIONS, TO THE ENGINEER OF RECORD TO BE APPROVED.

	PROPOSED CONTOUR		EXISTING CONTOUR
	PROPOSED GRADE		EXISTING GRADE
	PROPOSED SEWER MAIN		EXISTING MONUMENT
	PROPOSED WASTEWATER TYPE 1A MANHOLE		EXISTING A.C.
			EXISTING SEWER
			EXISTING MANHOLE
		PROPERTY LINE	
		CENTER LINE OF STREET	

ITEM	MATERIAL	TEST / STANDARD	ACCEPTANCE	TEST FREQUENCY	INSPECTOR/CDO	DATE	INITIAL
1. ALL UTILITY TRENCHES &							
TRENCH SUBGRADE	Native (0" to 6" Li to Max.)	Moderate Density Relationship of Soils (AASHTO T180) In-Place Density and Moisture Content (AASHTO 310 Method B)	90% Max. Dry Density	One in-place density test every 100 per 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per 100 linear feet. Test frequency is more restrictive.	ALLWEST	3/10-3/12	K.F.
PPE BEDDING	3/4" minus Crushed Aggregate (0" to 8" Max. Li) Current IVD 07-00-0100 (0" to 8" Max. Li) 5/8" minus Crushed Aggregate (0" to 8" Max. Li) Current VMD 07-04-0110 (Spec 9-03.9)	Moderate Density Relationship of Soils (AASHTO T180) In-Place Density and Moisture Content (AASHTO 310 Method B)	90% Max. Dry Density	One in-place density test every 100 per 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per 100 linear feet. Test frequency is more restrictive. Test top 6" of 12" cover.	ALLWEST	3/10-3/12	K.F.
18 FOOT (12") OF FILL OVER PIPE	3/4" minus Crushed Aggregate (0" to 8" Max. Li) Current IVD 07-00-0100 (0" to 8" Max. Li) 5/8" minus Crushed Aggregate (0" to 8" Max. Li) Current VMD 07-04-0110 (Spec 9-03.9)	Moderate Density Relationship of Soils (AASHTO T180) In-Place Density and Moisture Content (AASHTO 310 Method B)	90% Max. Dry Density	One in-place density test every 100 per 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per 100 linear feet. Test frequency is more restrictive.	ALLWEST	3/10-3/12	K.F.
TRENCH BACKFILL UNDER EASEMENT / NON-TRAFFIC AREA	Native Soil Free of Unusable Material w/ 2" Max. Particle Size (0" Max. Li)	Moderate Density Relationship of Soils (AASHTO T180) In-Place Density and Moisture Content (AASHTO 310 Method B)	80% Max. Dry Density	One in-place density test every 100 per 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per 100 linear feet. Test frequency is more restrictive.		3/3-3/5	K.F.
2. STRUCTURAL FILLS	As Specified by Engineer	As Specified by Engineer		As Specified by Engineer	ALLWEST	3/3-3/5	L.F.
3. WASTEWATER MAINS							
3.1. WASTEWATER MAIN ALIGNMENT AND GRADE	ASPH-600-86 - HDPE 30.71	ASPH-600-86		N/A	KELTIC		E.F.H.
JOINTS (injection of repair Pipe Embedment)	N/A	Per Manufacturer's Instructions		Each Joint	KELTIC	3/10-3/12	E.F.H.
MANHOLES	Concrete	Hydrostatic Test		Each Joint	KELTIC		
PRESSURE TEST	N/A	12 PSI test to rupture, 12 PSI Drop		Between Access Holes	KELTIC	3/8	C.C.
VIDEO INSPECTION	N/A	No Perforations, Cracks or Disinlets, No Bellows > 0.02"	Public Works Policy No.2012.2	Between Access Holes	UTILITY	3/14	
4. EROSION & SEDIMENT CONTROLS	Per Approved Plan	Per Plan and Manufacturer's Instructions		100% w/ After Every Rainfall	KELTIC	3/10-3/12	E.F.H.
5. RECORD DRAWINGS	AutoCAD, Elected File, Hard Paper, 22" x 34" Min Size	City Checklist		Before Final Improvements	KELTIC	4/29	F.F.H.
6. ENGINEER'S CERTIFICATION							

NOTE: 1) SPECIAL INSPECTIONS TO BE COORDINATED BY CONTRACTOR AND PERFORMED BY THE COMPANIES LISTED ABOVE. 24 HOUR NOTICE TO THESE COMPANIES IS REQUIRED PRIOR TO INSPECTION.
2) A MINIMUM OF 1 CONCRETE TEST IS REQUIRED PER 50 CU. YD. OR A MINIMUM OF 1 TEST PER DAY
3) SPECIAL INSPECTION IS REQUIRED ONLY FOR RIGHT-OF-WAY IMPROVEMENTS

1-4	BACKFILL - CLASS A
5-4	WASTEWATER TYPE 1A MANHOLE
5-6	WASTEWATER CONCRETE MANHOLE COLLAR
5-7	WASTEWATER MANHOLE FRAME AND COVER
5-8	WASTEWATER MANHOLE CHANNEL DETAIL

CONTRACTOR TO OBTAIN A CURRENT CITY OF LEWISTON STANDARDS BOOKLET FROM THE PUBLIC WORKS DEPARTMENT.

EXCAVATION	943	C.Y.
EMBANKMENT	5,532	C.Y.
SEWER MAIN PIPE	951	L.F.
SEWER MANHOLE	7	EA.
6" CRUSHED ROCK SURFACE	7760	S.F.

SHEET 1	COVER SHEET
SHEET 2	TEMPORARY EROSION & SEDIMENT CONTROL
SHEET 3	SANITARY SEWER STA. 1+00 TO 6+00
SHEET 4	SANITARY SEWER STA. 6+00 TO 10+65
SHEET 5	DETAILS
SHEET G1-G6	GEOTECHNICAL INFORMATION

RECORD DRAWING 4-29-2015

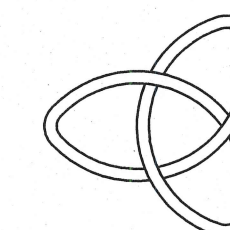
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COVER SHEET

HARRY WALL SEWER MAIN EXTENSION
PORT OF LEWISTON, 1626 6TH AVE. N
LEWISTON, ID 83501

KELTIC ENGINEERING, INC.

3115 Adams Lane ♦ Lewiston, Idaho 83501 ♦ (208) 743-2135 ♦ (208) 743-2136 fax
9425 North Nevada Street, Ste 204 ♦ Spokane, WA 99218 ♦ (509) 464-3000 ♦ (509) 464-3005 fax
♦ Development ♦ Planning ♦ Design ♦ Construction Management



DRAWN BY: JDM	CHECKED BY: EFH
DESIGNED BY: EFH	
DATE: 12/22/14	
LAST REV.: 10/15/14	
PROJECT NO. 14-1302	
SHEET NO. 1 OF 5	