

IMPROVEMENT PLANS

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

AGENCY TELEPHONE NUMBERS

CITY OF LEWISTON BUILDING INSPECTION	(208) 746-1318
CITY OF LEWISTON WATER & SEWER	(208) 746-1316
CITY OF LEWISTON PUBLIC WORKS DEPT.	(208) 746-1316
AVISTA UTILITIES CONTACT: TED BOYLE	(208) 798-1478
CENTURY LINK CONTACT: JULIO MENDEZ	(208) 798-8380
CABLE ONE CONTACT: DAN SMITH	(208) 746-3336
UNDERGROUND UTILITY LOCATE (CALL 48 HOURS BEFORE YOU DIG)	1-800-342-1585
DEVELOPER: PORT OF LEWISTON 1626 6TH AVENUE N. LEWISTON, ID 83501	
CONTACT: DAVE DOERINGSFELD	(208) 743-5531

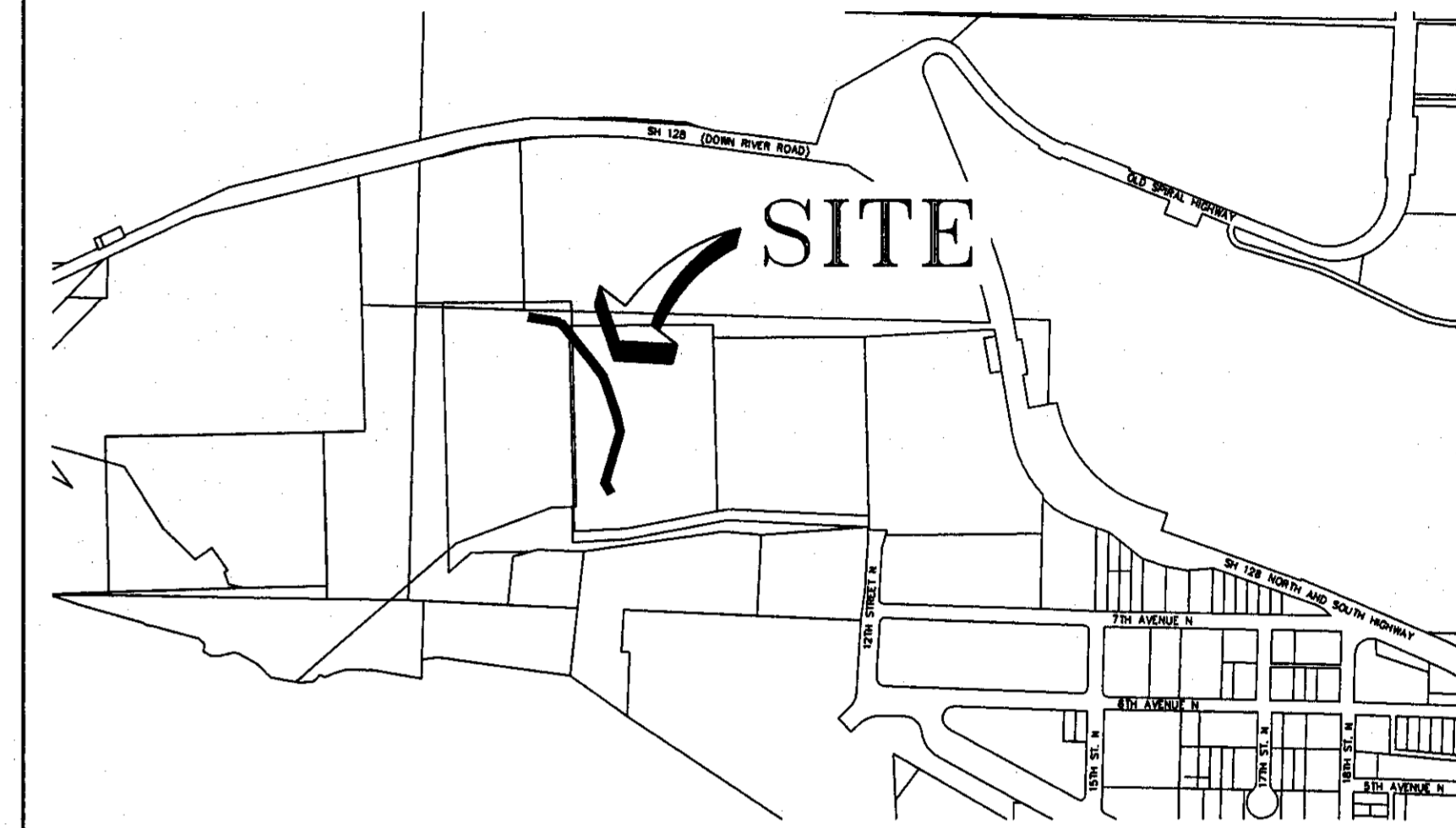
CONSTRUCTION NOTES

- THE CONTRACTOR SHALL PAY FOR ALL NECESSARY PERMITS AND FEES.
- 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.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PREVENTATIVE MEASURES TO PROTECT THE EXISTING IMPROVEMENTS. ANY DAMAGE SHALL BE REPLACED AT NO COST TO THE OWNER.
- 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.
- OWNER'S PROPERTY CORNERS SHALL BE PROTECTED AT ALL TIMES, AND 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.
- ALL WORK SHALL CONFORM TO STATE AND LOCAL CODES AND CONFORM TO THE CITY OF LEWISTON STANDARD DRAWINGS AND STANDARD TECHNICAL SPECIFICATIONS.
- SITE DISTANCES FOR ABUTTING PROPERTIES, DRIVEWAYS, AND INTERSECTIONS MUST BE MAINTAINED.
- IMPROVEMENTS CONSTRUCTED ON RIGHT-OF-WAY REQUIRE A STREET CUT PERMIT OBTAINED AT THE CONSTRUCTION MANAGEMENT SECTION OF THE PUBLIC WORKS DEPARTMENT.
- ALL CONSTRUCTION NOT SPECIFICALLY MENTIONED OR SHOWN SHALL CONFORM TO CITY ORDINANCES AND STANDARDS.
- SANITARY DISPOSAL TO BE PER CITY OF LEWISTON STANDARDS.
- SPECIAL INSPECTION IS REQUIRED FOR ITEMS LISTED IN THE SPECIAL INSPECTIONS FORM.
- 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 CONDITIONS PRIOR TO THE DAMAGE.
- 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.
- UPON COMPLETION, CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS, COMPLETE WITH ELEVATIONS, TO THE ENGINEER OF RECORD TO BE APPROVED.

LEGEND

—XXX—	PROPOSED CONTOUR	—XXX—	EXISTING CONTOUR
XXX	PROPOSED GRADE	(XXX)	EXISTING GRADE
⊕	EXISTING MONUMENT	▨	EXISTING A.C.
—SS—	PROPOSED SEWER MAIN	—SS—	EXISTING SEWER
●	PROPOSED WASTEWATER TYPE 1A MANHOLE	⊙	EXISTING MANHOLE
---	PROPERTY LINE		
---	CENTER LINE OF STREET		

VICINITY MAP



APPLICABLE STANDARD DETAILS

- 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.

SITE PERMIT QUANTITIES

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 INDEX

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

RECORD DRAWING 03-07-2016

SPECIAL INSPECTIONS

ITEM	MATERIAL	TEST STANDARD	ACCEPTANCE	TEST FREQUENCY	INSPECTOR NO.	DATE	INITIAL
1. ALL UTILITY TRENCHES & TRENCH SUBGRADE	Native (0" to 6" Lika Max.)	Mohr's Density Relationship or Sols (AASHTO 100)	80% Max. Dry Density	One in place density test every 10' per 100 linear feet. If project is less than 100 linear feet, one in place density test per day OR per 10' (whichever test frequency is more restrictive).	ALL WEST	3/10-3/12	K.F.
PIPE BEDDING	1/4" min. crushed aggregate (0" to 6" Max. Lika) (Current IDOT Spec 703.04) OR 1/2" min. crushed aggregate (0" to 6" Max. Lika) (Current VDOT M44-10 Spec 8-03.8)	Mohr's Density Relationship or Sols (AASHTO 100)	85% Max. Dry Density	One in place density test every 10' per 100 linear feet. If project is less than 100 linear feet, one in place density test per day OR per 10' (whichever test frequency is more restrictive). Test top 6" of 12" core.	ALL WEST	3/10-3/12	K.F.
14 FOOT (12%) OF FILL OVER PIPE	1/4" min. crushed aggregate (0" to 6" Max. Lika) (Current IDOT Spec 703.04) OR 1/2" min. crushed aggregate (0" to 6" Max. Lika) (Current VDOT M44-10 Spec 8-03.8)	Mohr's Density Relationship or Sols (AASHTO 100)	85% Max. Dry Density	One in place density test every 10' per 100 linear feet. If project is less than 100 linear feet, one in place density test per day OR per 10' (whichever test frequency is more restrictive).	ALL WEST	3/10-3/12	K.F.
TRENCH BACKFILL UNDER EASEMENT / NON-TRAFFICED AREA	Native Soil Free of Unacceptable Material w/ 4" Max. Particle Size (0" Max. Lika)	Mohr's Density Relationship or Sols (AASHTO 100)	80% Max. Dry Density	One in place density test every 10' per 100 linear feet. If project is less than 100 linear feet, one in place density test per day OR per 10' (whichever test frequency is more restrictive).		3/3-3/5	K.F.
STRUCTURAL FILLS	As Spec'd by Engineer	As Spec'd by Engineer	As Spec'd by Engineer	As Spec'd by Engineer	ALL WEST	3/3-3/5	L.F.
WASTEWATER MAINS	24" dia. 150 lb. HDPE 3017	AS 150-3017	N/A	N/A			
P.V.C. WASTEWATER MAIN	24" dia. 150 lb. HDPE 3017	AS 150-3017	N/A	N/A			
ALIGNMENT AND GRADE	N/A	N/A	N/A	Per Plan	DID NOT PASS		E.F.H.
JOINTS (Concrete or Rubber Pipe Embedment)	N/A	Per Manufacturer's Instructions	Per Manufacturer's Instructions	Each Joint		3/10-3/12	E.F.H.
MANHOLES	Concrete	Hydrostatic Test	Each Joint	Between Access Holes			
PRESSURE TEST	N/A	2.0 PSI for 15 Minutes, 10 PSI Drop	Between Access Holes	Between Access Holes			
VIDEO INSPECTION	N/A	No Penetrations, Cracks or Disjoints, No Defects > 0.2"	Per Agency Policy No. 2012-2	Between Access Holes			
EROSION & SEDIMENT CONTROLS	Per Approved Plan	Per Plan and Manufacturer's Instructions	100% or After Event Risked				
AS-BUILT DRAWINGS	N/A	AS 150-3017, 22" x 34" Min. Size	City Checklist	Before Public Improvements			
ENGINEER'S CERTIFICATION							

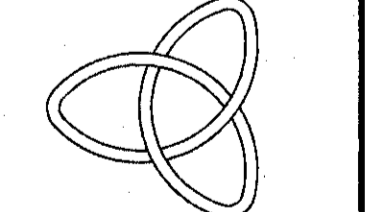
NOTE: THE PIPE DID NOT PASS THE STRAIGHT GRADE BETWEEN MANHOLES. PIPE DID PASS THE MANDREL TEST.

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

NO.	DATE	BY	DESCRIPTION

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

KELTIC ENGINEERING, INC.
315 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
PROJECT NO.:	14-1302	LAST REV.:	02/10/15 (MSR)
SHEET NO.:	1	OF	5