

IMPROVEMENT PLANS

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

AGENCY TELEPHONE NUMBERS

CITY OF LEWISTON BUILDING INSPECTION	(208) 746-1319
CITY OF LEWISTON WATER & SEWER	(208) 746-1317
CITY OF LEWISTON PUBLIC WORKS DEPT.	(208) 746-1318
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) 746-0938

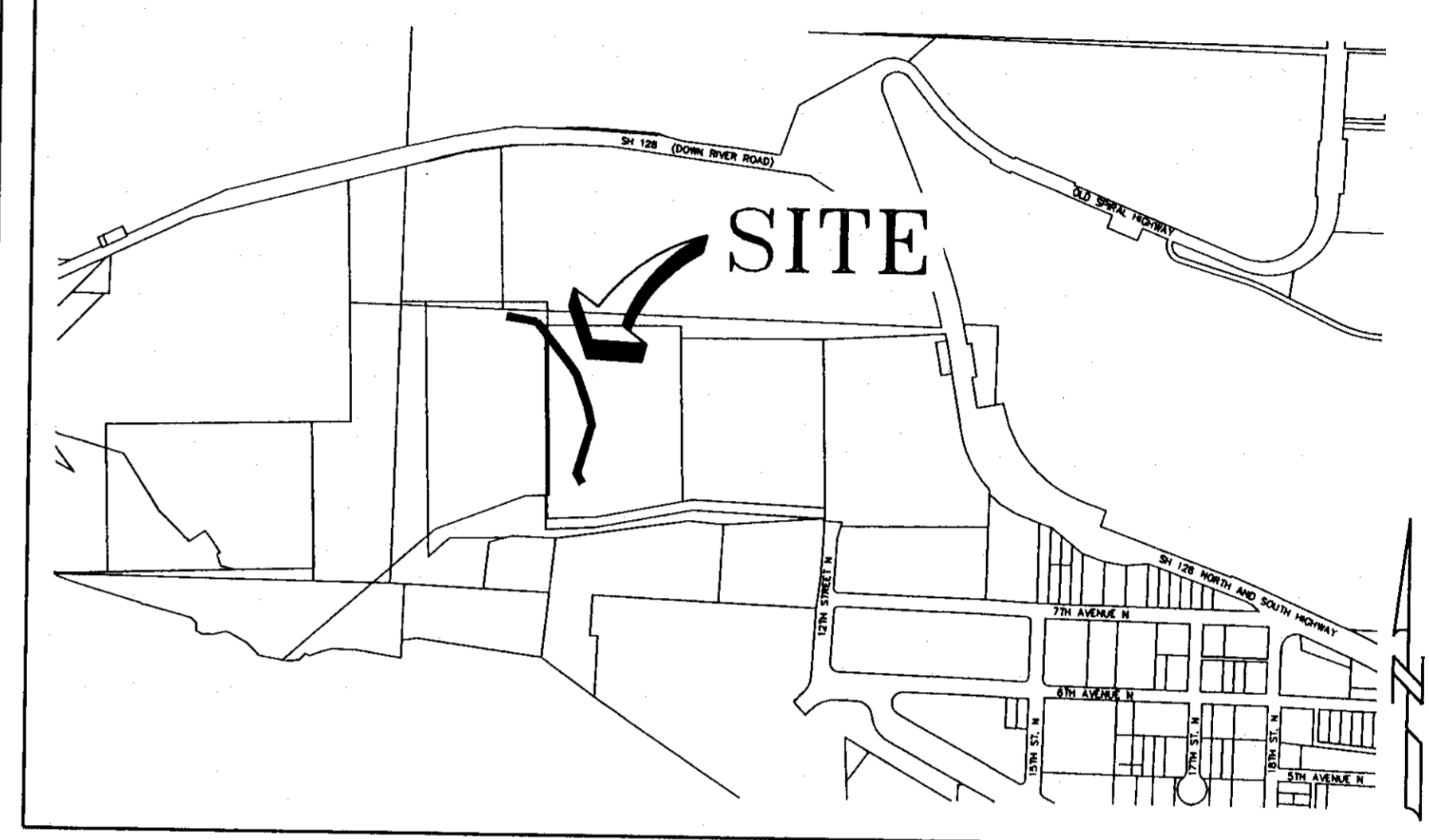
CONSTRUCTION NOTES

- 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 OUT 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 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 789. JOINTS FOR P.V.C. PIPE SHALL CONFORM TO ASTM D 3212 USING RESTRAINED GASKETS CONFORMING TO ASTM F47. 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
SS	PROPOSED SEWER MAIN	⊕	EXISTING MONUMENT
●	PROPOSED WASTEWATER TYPE 1A MANHOLE	▨	EXISTING A.C.
		SS	EXISTING SEWER
		⊙	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.

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

SPECIAL INSPECTIONS

ITEM	MATERIAL	TEST STANDARD	ACCEPTANCE	TEST FREQUENCY	INSPECTOR	DATE	INITIAL
ALL UTILITY TRENCHES &							
TRENCH SUBGRADE	Native (0" to 12" Lvl. Max.)	Moisture Density Relationship of Soil (ASTM D 1557)	90% Max. Dry Density	One in-place density test every 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per 100 cubic yards (whichever test frequency is more restrictive).			
PIPE BEDDING	3/4" Min. Crushed Aggregate (0" to 12" Max. Lvl.) (Current ID Spec: 703.06) OR 3/8" Min. Crushed Aggregate (0" to 12" Max. Lvl.) (Current WDO 1844-13 Spec: 5-3.3)	Moisture Density Relationship of Soil (ASTM D 1557)	90% Max. Dry Density	One in-place density test every 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per 100 cubic yards (whichever test frequency is more restrictive). Test to 6" of 12" cover.			
14" FOOT (12") OF FILL OVER PIPE	3/4" Min. Crushed Aggregate (0" to 12" Max. Lvl.) (Current ID Spec: 703.06) OR 3/8" Min. Crushed Aggregate (0" to 12" Max. Lvl.) (Current WDO 1844-13 Spec: 5-3.3)	Moisture Density Relationship of Soil (ASTM D 1557)	90% Max. Dry Density	One in-place density test every 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per 100 cubic yards (whichever test frequency is more restrictive).			
TRENCH BACKFILL UNDER BASEMENT FROM RAFTED AREA	Native Soil Free of Unstable Material w/ 4" Max. Particle Size (0" Max. Lvl.)	Moisture Density Relationship of Soil (ASTM D 1557)	90% Max. Dry Density	One in-place density test every 100 linear feet. If project is less than 100 linear feet, one in-place density test per day OR per 100 cubic yards (whichever test frequency is more restrictive).			
STRUCTURAL FILLS	As Specified by Engineer	As Specified by Engineer	As Specified by Engineer	As Specified by Engineer			
WASTEWATER MAINS							
P.V.C. WASTEWATER MAIN	P.V.C. SDR 35	ASTM 3034	N/A	N/A			
ADJACENT AND GRADE	N/A	N/A	N/A	Per Plan			
JOINTS (Constrictor/Pipe/Pre-Encapsulated)	N/A	Per Manufacturer's Instructions	Each Joint	Between Adjacent Joints			
MANHOLES	Concrete	Hydraulic Test	Each Joint	Each Joint			
PRESSURE TEST	N/A	150 PSI for 15 Minutes, 1/2 PSI Error	Between Adjacent Joints	Between Adjacent Joints			
VIDEO INSPECTION	N/A	No Per Penetrations, Cracks or Disturbances	Per WDO Policy	Between Adjacent Joints			
EROSION & SEDIMENT CONTROLS	Per Approved Plan	Per Plans and Manufacturer's Instructions	N/A	N/A			
AS-BUILT DRAWINGS	As-Built Field, No of Pages, 22 x 34" Max Size	City Checklist	City Checklist	Per Project/Job Improvements			
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

DATE
BY
DESCRIPTION
No.

WJE
Sanitary Sewers

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

KELTIC ENGINEERING, INC.
315 Adams Lane • Lewiston, Idaho 83501 • (208) 745-2135 • (208) 745-2136 fax
9425 North Nevada Street, Ste 204 • Spokane, WA 99218 • (509) 464-3000 • (509) 464-3005 fax
• Development • Planning • Design • Construction Management

PROFESSIONAL ENGINEER
REGISTERED
6064
10/16/14
STATE OF IDAHO
ERIC HASENHOEL

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