IMPROVEMENT PLANS

(208) 746-1316

(208) 798-1473

(208) 798-0607

(208) 746-3325

1-800-342-1585

(509) 465-3340

or call 811

NEZ PERCE PLAZA WATERLINE CONNECTION LEWISTON, IDAHO 83501

AGENCY TELEPHONE NUMBERS

CITY OF LEWISTON BUILDING INSPECTION CONTACT: JOHN SMITH (509) 780-1835

CITY OF LEWISTON WATER & SEWER (208) 743-7461

CITY OF LEWISTON PUBLIC WORKS DEPT.

AVISTA UTILITIES
CONTACT: TED BOYLE

CENTURY LINK
CONTACT: TOM MCAVOY

CABLE ONE CONTACT: DAN SMITH

UNDERGROUND UTILITY LOCATE

(CALL 48 HOURS BEFORE YOU DIG)

DEVELOPER:

BEDROCK, LLC.

12906 N. ADDISON ST.

SPOKANE, WA. 99218

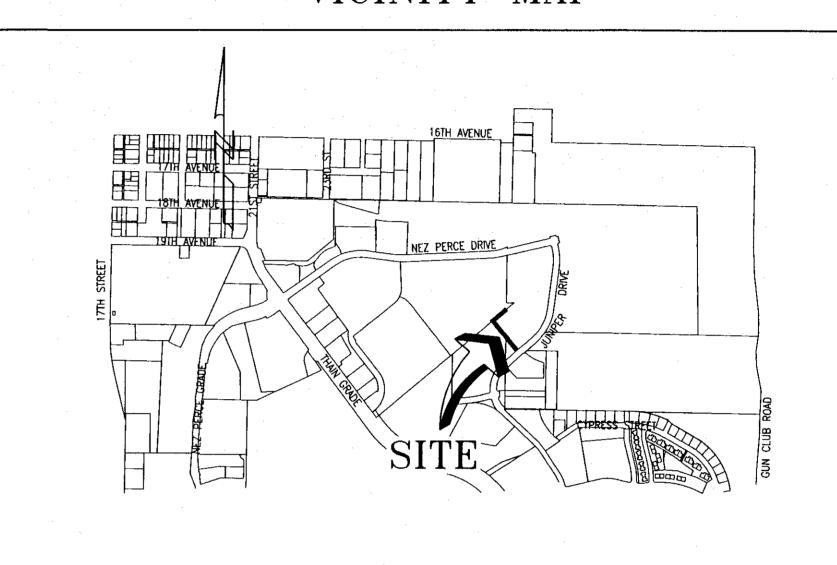
CONTACT: RICHARD VANDERVERT

2) A MINIMUM OF 1 CONCRETE TEST IS REQUIRED PER 50 CU, YD, OR A MINIMUM OF 1 TEST PER DAY

LEGEND

EXISTING PROPERTY CORNER EXISTING MONUMENT EXISTING A.C. PROPOSED CONCRETE EXISTING CONCRETE EXISTING UNDERGROUND JOINT UTILITIES EXISTING CATCH BASIN EXISTING GATE VALVE EXISTING THRUST BLOCK EXISTING FIRE HYDRANT EXISTING STREET LIGHT

VICINITY MAP



SPECIAL INSPECTIONS

ITEM	MATERIAL	FREQUENCY	STANDARD	INSPECTOR/CO.	DATE	INITIAL
1. SOILS COMPACTION (All Utility Trenches)						
TRENCH SUBBASE	Native	1/200'/4" Compacted Lift		STRATA		
PIPE BEDDING	3/4" minus Crushed Aggregate	1/200'/4" Compacted Lift	95% Per ASTM D-1557	STRATA		
1st 1' OF FILL OVER PIPE	3/4" minus Crushed Aggregate	1/200'/12" Compacted Lift	95% Per ASTM D-1557	STRATA		
TRENCH BACKFILL				}		
NEW CONST, Under Prop Road	Native, Max Agg NTE 4" MSD	1/200'/8" Compacted Lift	95% Per ASTM D-1557	STRATA		
NEW CONST, In Easement/Non-trafficked Area	Native, Max Agg NTE 4" MSD	1/200'/8" Compacted Lift	92% Per ASTM D-1557	STRATA		
TRENCH BACKFILL, Exist Road					,	
CUT PARALLEL TO CL	Native, Max Agg NTE 4" MSD	1/200'/8" Compacted Lift	95% Per ASTM D-1557	STRATA		
CUT PERP TO CENTERLINE	3/4" minus Crushed Aggregate	1/Perp Cut	95% Per ASTM D-1557	(STRATA)		
2. WATER MAINS				1		
Ductile Iron or PVC Water Main	AWWA C-151, C-900, C-905 (Class as Req'd)			KELTIC ENGR.		
ALIGNMENT AND GRADE	N/A	Per Plan	AWWA C-600, AWWA C-605	KELTIC ENGR.		
JOINTS (Deflection/Proper Pipe Embedment)	N/A	Each Joint	AWWA C-600, AWWA C-605	KELTIC ENGR.		
THRUST BLOCKS	Concrete, 2500 PSI Mix	Each Joint	Per plan/Std Dwg	KELTIC ENGR.		
HYDROSTATIC PRESSURE	N/A	150% Working Pressure, NTE Allow Working Press	2 Hrs, NTE Allowable Leakage Per AWWA C-600, AWWA C-605	KELTIC ENGR,		
CHLORINATION/BACTERIA	N/A	2 Passing Tests	AWWA C-651	CITY OF LEWISTON		
3. CONCRETE CURB, GUTTER & SIDEWALK		<u> </u>		A		
CONCRETE	3500 PSI Concrete w/WRA and AEA	Strength, Slump, Air & Cylinders, 1 Test/50 CY or Min 1 Test Daily	AASHTO T-22, T-23, T-119, T-152, T-309, & WAQTC TM-2	STRATA		
ALIGNMENT AND GRADE	N/A	Per 10' Section	+ 0.02' from Design Grade/Alignment	CITY OF LEWISTON		
JOINTS/FLATNESS/STRAIGHTNESS	N/A	Per 10' Section	+ 0.02'/10' Segment	CITY OF LEWISTON		
FINISH	N/A	All .	Floated, Uniform, Light Broom Finish	CITY OF LEWISTON		
5. TRAFFIC CONTROL	Per Plan	Continuous	MUTCD/ATSSA	KELTIC ENGR.		
6. RECORD DRAWINGS	AutoCADD Efect File, Bond Paper, 22" x 34" Min Size	Before Public Improvements Accepted	City Checklist	KELTIC ENGR,		

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.

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 CO

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.

SPECIAL INSPECTION IS REQUIRED FOR SOIL COMPACTION, WATER MAINS, CONCRETE SIDEWALK

ALL WATER AND SEWER UTILITIES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH STATE OF IDAHO STANDARDS FOR PUBLIC DRINKING WATER SYSTEMS.

WATER MAINS SHALL BE INSTALLED BY CONTRACTORS WITH EXPERIENCE INSTALLING PUBLIC WATER MAINS. 12) WATER MAINS SHALL BE LAID ONLY IN DEDICATED STREETS OR IN EASEMENTS WHICH HAVE BEEN GRANTED.

13) WATER PIPE SHALL BE P.V.C., CLASS 200 (MINIMUM) CONFORMING TO AWWA STANDARD C-900.

 WATER LINE FITTINGS SHALL BE CAST IRON OR DUCTILE IRON CONFORMING TO AWWA STANDARD C153. 15) THE CONTRACTOR SHALL PROVIDE LOCATE WIRE AND BURY TAPE IN PVC WATER MAIN TRENCH PER CITY OF LEWISTON STANDARD 1-8. 16) THRUST BLOCKS SHALL CONFORM TO CITY OF LEWISTON STANDARD DETAIL 4-4.

17) GATE VALVES SHALL CONFORM TO AWWA C 515-99 RESILIENT SEATED GATE VALVES FOR WATER AND SEWAGE SYSTEMS AND SHALL BE IRON BODY BRONZE-MOUNTED DOUBLE DISC WITH BRONZE WEDGING AND 0-RING STUFFING BOX.

18) THE CONTRACTOR SHALL PROVIDE 4 FT MIN. COVER ON ALL WATER LINES AND PROVIDE 18" MINIMUM VERTICAL CLEARANCE BETWEEN POTABLE WATER LINE AND NON-POTABLE WATER LINE CROSSINGS. FOR ALL CROSSINGS LESS THAN 18" OF VERTICAL CLEARANCE, NON-POTABLE OR POTABLE LINE MUST BE CASED IN A LARGER DIAMETER CARRIER PIPE FOR A HORIZONTAL DISTANCE OF TEN FEET ON BOTH SIDES OF THE CROSSING, WITH NO JOINTS, AS SHOWN ON CITY OF LEWISTON STANDARD

APPROVAL OF CONNECTION, THE TRENCH SHALL BE BACKFILLED AS SPECIFIED.

AN APPROVED BACKFLOW PREVENTION ASSEMBLY IS REQUIRED ON THE SUPPLY WATER LINE WHEN FILLING THE NEW WATER MAIN DURING DISINFECTION AND FLUSHING. THE BACKFLOW PREVENTION ASSEMBLY AND SUPPLY PIPING MUST BE REMOVED DURING HYDROSTATIC PRESSURE TESTING.

PROPOSED WATER LINES SHALL BE HYDROSTATICALLY TESTED AS PER AWWA C600-93. TESTS SHALL BE 1 1/2 TIMES WORKING PRESSURE, WITH A MINIMUM OF 150 P

PRESSURE SHALL BE HELD FOR 2 HOURS WITH NO DROP IN PRESSURE, ENGINEER OF RECORD SHALL WITNESS TEST

CROSS-CONNECTION. THE CITY OF LEWISTON SHALL PERFORM THE CHLORINATION AND BACTERIAL TESTING. CONTRACTOR SHALL COORDINATE WITH THE CITY. AFTER SATISFACTORY BACTERIOLOGICAL SAMPLE RESULTS ARE OBTAINED FROM THE NEW WATER MAIN, A SECTION OF CONNECTING PIPE MUST BE INSTALLED BETWEEN THE NEW SECTION AND THE EXISTING SYSTEM. THE CONTRACTOR WILL BE RESPONSIBLE FOR THIS FINAL CONNECTION AND THE CITY WILL INSPECT THIS WORK. BEFORE INSTALLATION, THE INTERIORS OF ALL PIPES AND FITTINGS USED TO MAKE THE CONNECTION MUST BE SWABBED OR SPRAYED WITH A 1%

PROJECTS AND WHICH SHALL BE A FIRE DEPARTMENT INSPECTOR AND A CITY PLUMBING INSPECTOR FOR ALL FIRE LINE CONNECTIONS. THE INSPECTOR WILL NOTIFY

THE DISINFECTION AND SAMPLING OF THE NEW WATER MAIN. A COMBINATION BLOW-OFF AND SAMPLING TAP IS REQUIRED. THE NUMBER OF WATER SAMPLES TAKEN WILL DEPEND UPON THE LENGTH AND NUMBER OF BRANCHES OF THE NEW MAIN BUT A MINIMUM OF TWO SAMPLES MUST B TAKEN. THESE SAMPLES SHALL BE TAKEN FROM EACH END OF THE NEW WATER MAIN. TWO CONSECUTIVE SAMPLES AT LEAST TWENTY-FOUR HOURS APART MUST BE REPORTED AND DISPLAY NEGATIVE BACTERIOLOGICAL RESULTS. RESULTS FROM BACTERIOLOGICAL TESTING WILL BE AVAILABLE APPROXIMATELY 26 HOURS AFTER

THE LAST SAMPLE IS TAKEN. THE CITY WILL CHARGE A FEE FOR THE CHLORINATION AND BACTERIAL TESTING. 22) UPON COMPLETION, CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS, COMPLETE WITH ELEVATIONS, TO THE ENGINEER OF RECORD TO BE APPROVED.

SITE PERMIT QUANTITIES

DOMESTIC WATER LINE SIDEWALK

620 L.F. 48 S.F.

CONTRACTOR TO OBTAIN A CURRENT CITY OF LEWISTON

STANDARDS BOOKLET FROM THE PUBLIC WORKS

APPLICABLE STANDARD DETAILS

DEPARTMENT

BACKFILL CLASS A

BACKFILL CLASS C

IDENTIFYING TAPE DETAIL

CONCRETE SIDEWALK

POTABLE & NON-POTABLE WATERLINE SEPARATION

CAST IRON VALVE BOX WITH ASSEMBLY

THRUST BLOCK DETAIL

SHEET INDEX

SHEET 1

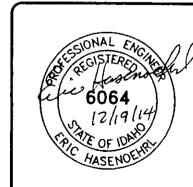
COVER SHEET & NOTES

SHEET 2 **EROSION CONTROL PLAN**

SHEET 3 WATERLINE PLAN & PROFILE SHEET 4

SHEET 5

WATERLINE PLAN & PROFILE WATERLING PLAN & PROFILE



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WATERLINE CONNECTION

CHECKED BY RGW EFH DESIGNED BY: 12-19-14 08-28-13 (RGW

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