

IMPROVEMENT PLANS

NEZ PERCE PLAZA WATERLINE CONNECTION LEWISTON, IDAHO 83501

AGENCY TELEPHONE NUMBERS

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

CITY OF LEWISTON WATER & SEWER (208) 743-7461
CONTACT: DAVE SIX

CITY OF LEWISTON PUBLIC WORKS DEPT. (208) 746-1316

AVISTA UTILITIES (208) 798-1473
CONTACT: TED BOYLE

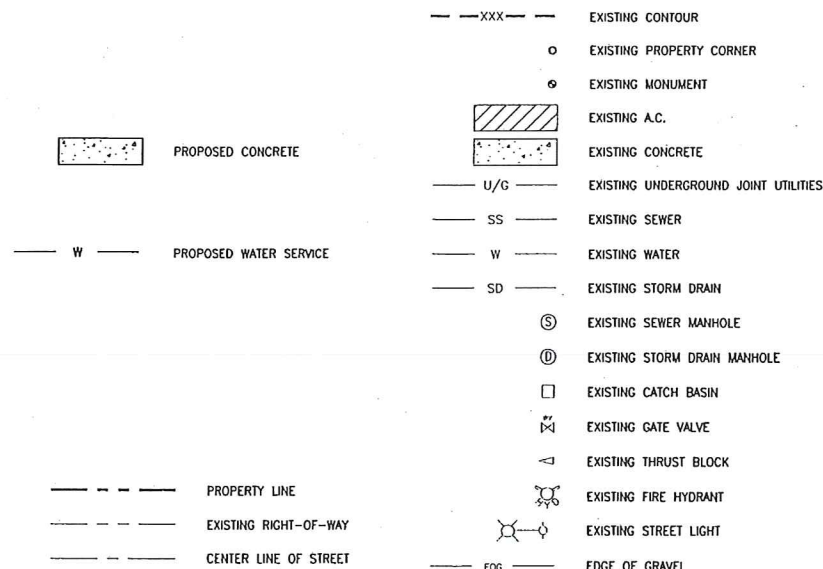
CENTURY LINK (208) 798-0607
CONTACT: TOM McAVOY

CABLE ONE (208) 746-3325
CONTACT: DAN SMITH

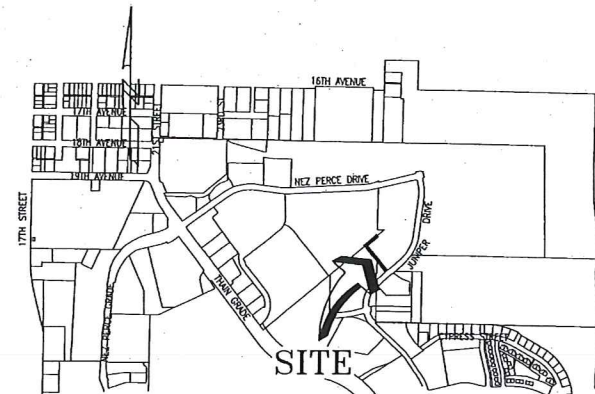
UNDERGROUND UTILITY LOCATE 1-800-342-1585
(CALL 48 HOURS BEFORE YOU DIG) or call 811

DEVELOPER:
BEDROCK, LLC.
12906 N. ADDISON ST.
SPOKANE, WA. 99218
CONTACT: RICHARD VANDERVERT (509) 465-3340

LEGEND



VICINITY MAP



SITE PERMIT QUANTITIES

DOMESTIC WATER LINE 620 L.F.
SIDEWALK 48 S.F.

APPLICABLE STANDARD DETAILS

1-4 BACKFILL CLASS A CONTRACTOR TO OBTAIN A CURRENT CITY OF LEWISTON STANDARDS BOOKLET FROM THE PUBLIC WORKS DEPARTMENT.

1-5 BACKFILL CLASS C

1-8 IDENTIFYING TAPE DETAIL

2-8 CONCRETE SIDEWALK

4-1 POTABLE & NON-POTABLE WATERLINE SEPARATION

4-2 CAST IRON VALVE BOX WITH ASSEMBLY

4-4 THRUST BLOCK DETAIL

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SHEET 5 WATERLINE PLAN & PROFILE

SPECIAL INSPECTIONS

ITEM	MATERIAL	FREQUENCY	STANDARD	INSPECTOR/CO.	DATE	INITIAL
1. SOILS COMPACTION (All Utility Trenches)						
TRENCH SUBBASE	Native	1/200'14" Compacted LR		STRATA		
PIPE BEDDING	3/4" minus Crushed Aggregate	1/200'14" Compacted LR	95% Per ASTM D-1557	STRATA		
1st 1' OF FILL OVER PIPE	3/4" minus Crushed Aggregate	1/200'12" Compacted LR	95% Per ASTM D-1557	STRATA		
TRENCH BACKFILL						
NEW CONST. Under Prop Road	Native, Max Agg NTE 4" MSD	1/200'8" Compacted LR	95% Per ASTM D-1557	STRATA		
NEW CONST. In Easement/Non-easement Area	Native, Max Agg NTE 4" MSD	1/200'8" Compacted LR	92% Per ASTM D-1557	STRATA		
TRENCH BACKFILL, Earth Road						
CUT PARALLEL TO CL	Native, Max Agg NTE 4" MSD	1/200'8" Compacted LR	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						
Ductile Iron or PVC Water Main	AWWA C-151, C-900, C-905 (Check as Req'd)			KELTIC ENGR.		
ALIGNMENT AND GRADE	N/A	Per Plan	AWWA C-600, AWWA C-605	KELTIC ENGR.		
JOINTS (No Section/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. Spec.	KELTIC ENGR.		
HYDROSTATIC PRESSURE	N/A	160% 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 Flushing Tests	AWWA C-651	CITY OF LEWISTON		
3. CONCRETE CURB, GUTTER & SIDEWALK						
CONCRETE	3000 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, & WACIT T-14-2	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' (1/2" Square)	CITY OF LEWISTON		
FINISH	N/A	All	Finished, Uniform, Light Broom Finish	CITY OF LEWISTON		
4. TRAFFIC CONTROL	Per Plan	Continuous	MUTCD/NTSSA	KELTIC ENGR.		
5. RECORD DRAWINGS	AutoCAD 2004 Std. File, 22" x 34" Min Size	Before Public Improvements Accepted	City Checklist	KELTIC ENGR.		

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

CONSTRUCTION NOTES

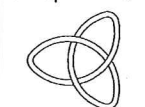
- 1) THE CONTRACTOR SHALL PAY FOR ALL NECESSARY PERMITS AND FEES.
- 2) THE CONTRACTOR SHALL INVESTIGATE ON SITE AND VERIFY ALL CONDITIONS AND DIMENSIONS OF THE PROJECT AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCY IN THE CONTRACT DOCUMENTS REQUIRING MODIFICATION PRIOR TO PROCEEDING.
- 3) THE CONTRACTOR 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, 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.
- 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) SPECIAL INSPECTION IS REQUIRED FOR SOIL COMPACTION, WATER MAINS, CONCRETE SIDEWALK.
- 10) ALL WATER AND SEWER UTILITIES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH STATE OF IDAHO STANDARDS FOR PUBLIC DRINKING WATER SYSTEMS.
- 11) 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.
- 14) WATER LINE FITTINGS SHALL BE CAST IRON OR DUCTILE IRON CONFORMING TO AWWA STANDARD C-153.
- 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 O-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 DETAIL 4-1.
- 19) WATER LINE CONNECTIONS TO MAINS AND LATERALS SHALL BE LEFT UNCOVERED UNTIL AFTER THE CITY ENGINEER HAS INSPECTED AND APPROVED THE WORK. AFTER APPROVAL OF CONNECTION, THE TRENCH SHALL BE BACKFILLED AS SPECIFIED.
- 15) 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.
- 16) 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 PSI. PRESSURE SHALL BE HELD FOR 2 HOURS WITH NO DROP IN PRESSURE. ENGINEER OF RECORD SHALL WITNESS TEST.
- 17) DISINFECTING OF WATER PIPES SHALL BE IN ACCORDANCE WITH AWWA C-651-99. ISOLATE NEW PIPE FROM EXISTING SYSTEM TO PREVENT POTENTIAL CROSS-CONNECTION. THE CITY OF LEWISTON SHALL PERFORM THE CHLORINATION AND BACTERIAL TESTING. CONTRACTOR SHALL COORDINATE WITH THE CITY.
- 18) 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% HYPOCHLORITE SOLUTION.
- 19) THE CONTRACTOR IS RESPONSIBLE FOR FLUSHING AND PRESSURE TESTING THE NEW WATER MAIN. CONTACT THE PLUMBING INSPECTOR AT 746-1319 FOR A PRESSURE TEST OR THE WATER DIVISION AT 743-7461. THESE TESTS MUST BE COMPLETED AND APPROVED BEFORE THE WATER DEPARTMENT WILL BEGIN DISINFECTION PROCEDURES.
- 20) UPON COMPLETION AND APPROVAL OF THE PRESSURE TEST BY THE PROJECT INSPECTOR, WHICH SHALL BE A PROFESSIONAL ENGINEER INSPECTING ALL WATER MAIN PROJECTS AND WHICH SHALL BE A FIRE DEPARTMENT INSPECTOR FOR ALL FIRE LINE CONNECTIONS, THE INSPECTOR WILL NOTIFY THE CITY ENGINEERING DEPARTMENT (743-1316). THE ENGINEERING DEPT. WILL THEN NOTIFY THE CITY WATER DIVISION TO PROCEED WITH THE COORDINATION FOR THE DISINFECTION AND SAMPLING OF THE NEW WATER MAIN. A COMBINATION BLOW-OFF AND SAMPLING TAP IS REQUIRED.
- 21) 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 BE 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.

COVER SHEET

NPP WATERLINE CONNECTION
BEDROCK, LLC.
LEWISTON, ID 83501

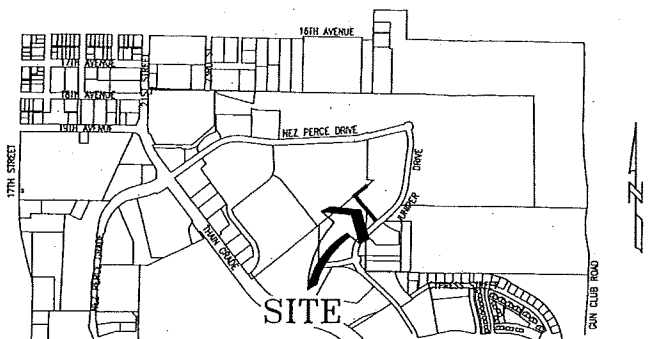
KELTIC ENGINEERING, INC.

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

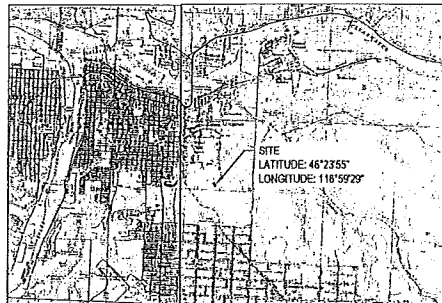


DRAWN BY: RGW
CHECKED BY: EPH
DESIGNED BY: EPH
DATE: 12-19-14
LAST REV: 08-26-13 (RGW)
PROJECT NO: 11-0091
SHEET NO: 1 OF 5

12/22/14
Eric



Section 5, Twp. 35 N, Rng. 5 W, B.M.
SITE LOCATION MAP
Not to Scale



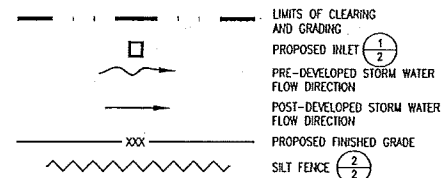
USGS QUADRANGLE MAP
LEWISTON ORCHARDS NORTH
Not to Scale

ACREAGE SUMMARY (IN SQ. FT.)	
WATERLINE AREA	4,000 SF ±
DISTURBED AREA	4,000 SF ±
IMPERVIOUS AREA	1,800 SF ±
PERVIOUS AREA	2,200 SF ±
TOTAL IMPERVIOUS AREA AT COMPLETION	1,800 SF ±
PERVIOUS / SEEDED AREA AT COMPLETION	2,200 ±

BENCHMARK DATUM
NEZ PERCE DRIVE @
BRASS CAP
STA 24+24.91
ELEV. = 1177.79'

STORMWATER OUTFLOW	
INFILTRATES INTO GROUNDWATER STRATUM OR RUNOFF THROUGH EXISTING DRAINAGEWAYS	
SNAKE RIVER - 2.0 ± MILES WEST	
CLEARWATER RIVER - 1.3 ± MILES NORTH	

LEGEND



EROSION CONTROL NOTES

- APPROVAL OF THE EROSION CONTROL ELEMENT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT SITE OR DRAINAGE DESIGN.
- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND BECOME FAMILIAR WITH THEIR CONTENTS.
- IMPLEMENTATION, CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF ALL EROSION CONTROL MEASURES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND ALL VEGETATION / LANDSCAPING IS ESTABLISHED.
- THE EROSION CONTROL FACILITIES ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES TO ENSURE THAT SEDIMENT-LOADED WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
- ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CATCH AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- DURING INACTIVE PERIODS ON THE SITE, THE CONTRACTOR MUST INSPECT AND MAINTAIN EROSION CONTROL FACILITIES ONCE A MONTH OF WITHIN 48 HOURS FOLLOWING A STORM.
- FILTER FABRIC SHALL BE PLACED UNDER THE GRATES OF NEWLY INSTALLED CATCH BASINS UNTIL PAVING OPERATIONS ARE COMPLETE. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LOADED WATER INTO THE DOWNSIDE DRAINAGE SYSTEM.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MUST BE TAKEN BY THE CONTRACTOR, IF NECESSARY, TO ENSURE THAT ALL EXISTING PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- SEED, MULCH, AND FERTILIZE ALL DISTURBED GROUND NOT RECEIVING HARD SURFACE AT THE EARLIEST POSSIBLE TIME. USE SEED MIXES AND RATES AS PER LANDSCAPE DESIGNER.
- EROSION AND DUST CONTROL MEASURES MUST BE USED DURING CONSTRUCTION TO REDUCE OR ELIMINATE BLOWING DUST, EXCESSIVE RUNOFF, AND SOIL EROSION ACROSS PROPERTY LINES AND INTO STREETS AND RIGHT-OF-WAY, AND TO ELIMINATE TRACKING SOIL AND MUD ONTO STREETS FROM CONSTRUCTION EQUIPMENT AND VEHICLES. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- MATERIAL TRACKED ONTO THE ROADWAY CANNOT BE WASHED INTO THE STORM SYSTEM. STREETS SHALL BE SWEEPED PRIOR TO A STORM EVENT OR AT THE REQUEST OF THE ENGINEER OR THE CITY.
- ALL DENUDE AREAS THAT WILL BE INACTIVE FOR 10 DAYS DURING DRY SEASON (JULY 1 - SEPTEMBER 30) AND 5 DAYS DURING WET SEASON (OCTOBER 1 - JUNE 30) OR MORE, MUST BE STABILIZED TEMPORARILY WITH THE USE OF FAST GERMINATING ANNUAL GRASS / GRAM VARIETIES, STRAW / HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS AS SHOWN ON SITE MAP.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEED, SOODED, AND / OR VEGETATED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND / OR LANDSCAPE PLAN.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM DRAINAGE SYSTEMS IN CONJUNCTION WITH STABILIZATION OF THE SITE.
- ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.
- GENERAL CONTRACTOR IS TO DESIGNATE / IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIALS STORAGE.
- REFER TO THE SWPPP FOR REPORTABLE SPILL QUANTITIES OF PETROLEUM PRODUCTS AND / OR HAZARDOUS WASTES.
- ALL TRUCKS SHALL USE PAVED AREAS ONLY.

BMP MAINTENANCE EROSION NOTES

ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN AND IN THE STORM WATER POLLUTION PREVENTION EXPLANATION, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
- ALL SEEDING AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDING AS NEEDED.
- SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
- OUTLET STRUCTURES SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES.
- PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND / OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

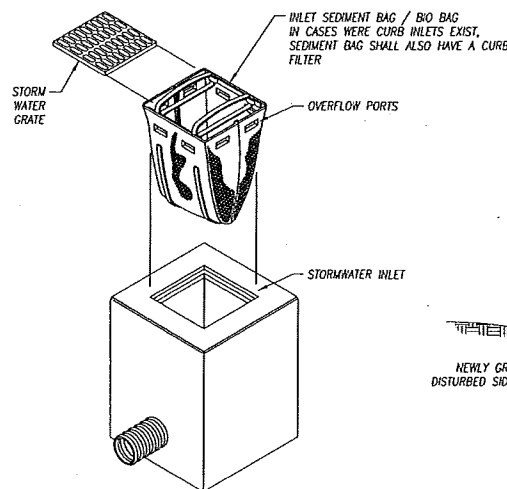
BMP 1-SEQUENCE OF WORK

NOTE: UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAY DOWN, PORTABLE SANITARY UNIT, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.

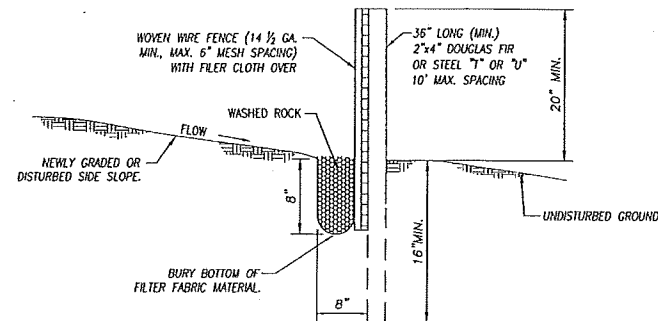
- INSTALL EROSION AND SEDIMENT CONTROLS (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE).
- BEGIN CLEARING AND GRUBBING AND DEMOLITION THE SITE (STOCKPILE ALL TOPSOIL FOR LATER USE).
- BEGIN GRADING OF SITE.
- TEMPORARY STABILIZATION OF AREAS NOT WORKING ON.
- BEGIN CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
- INSTALL UTILITIES, SANITARY SEWER, STORM DRAIN, WATER, JOINT UTILITIES.
- INSTALL CURB AND GUTTER.
- ROCK PARKING AREA.
- FINAL PAVING OF ASPHALT AREA.
- COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
- REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES. STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF BMP'S.

EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES

- BMP 7 DUST CONTROL
- BMP 8 COVER FOR MATERIALS AND EQUIPMENT
- BMP 10 SPILL PREVENTION AND CONTROL
- BMP 16 HYDROMULCHING
- BMP 20 TOPSOILING
- BMP 21 SEEDING
- BMP 22 SODDING
- BMP 23 PLANTING
- BMP 31 INLET PROTECTION
- BMP 36 SILT FENCE

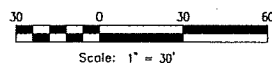


SILT CONTROL AT C.B.'S
WITH SEDIMENT BAG



SILT FENCE

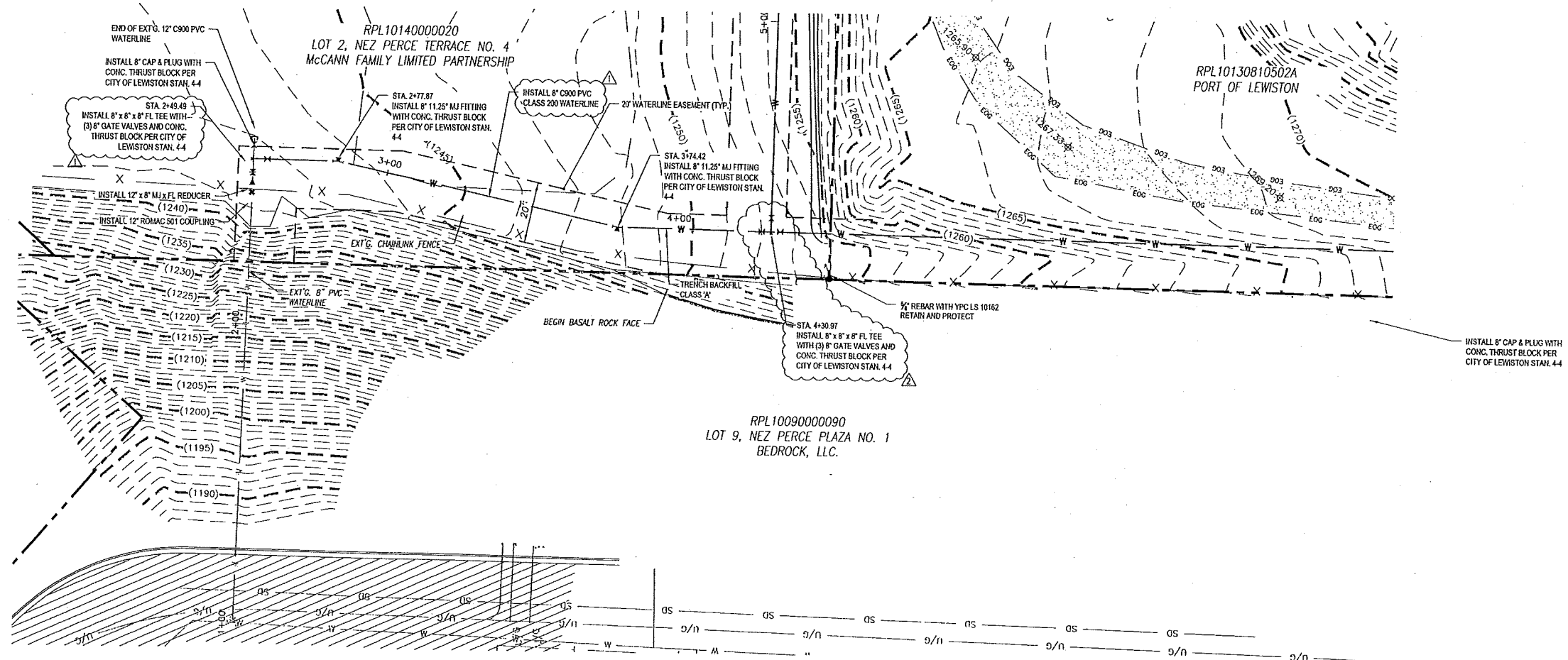
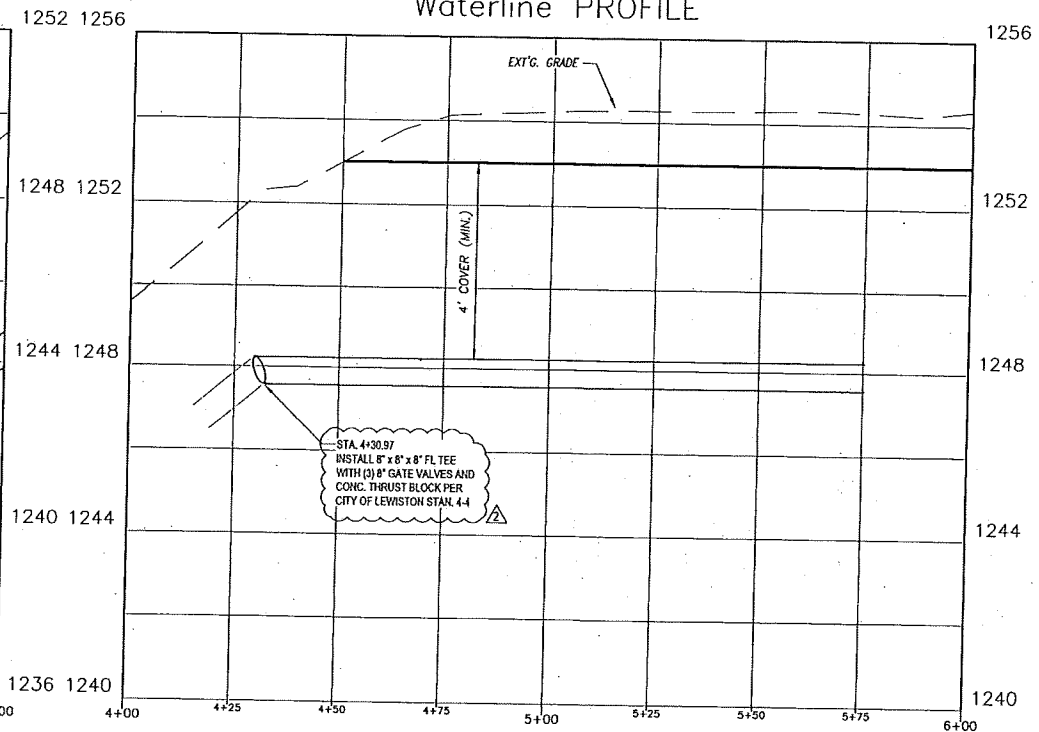
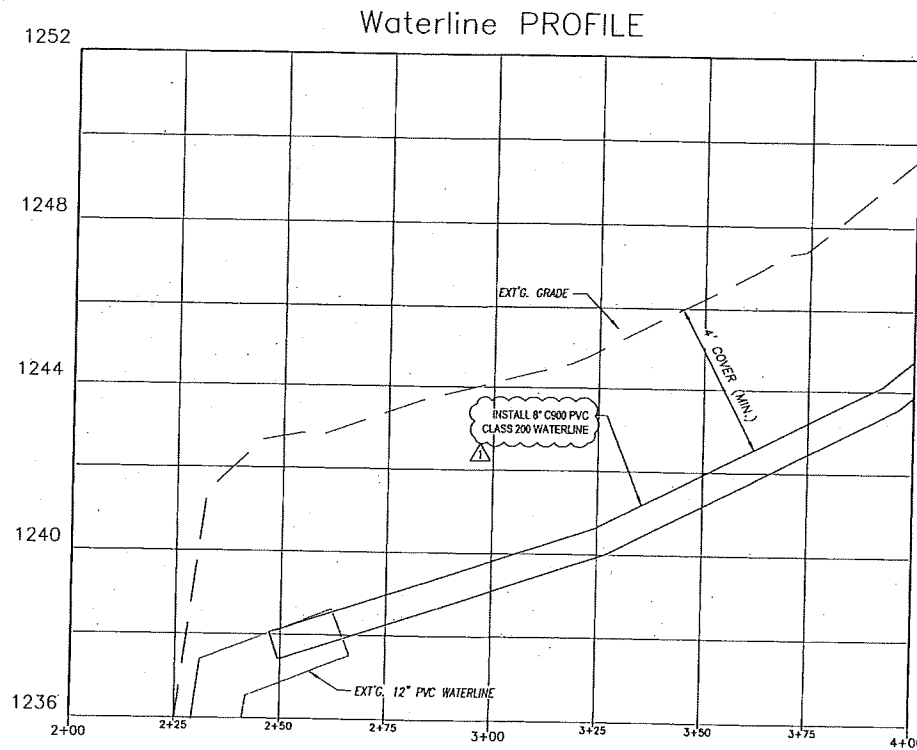
TEMPORARY EROSION & SEDIMENT CONTROL PLAN



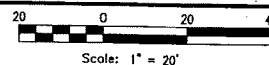
WATERLINE PLAN & PROFILE
NPP WATERLINE CONNECTION
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• Development & Planning • Design • Construction Management

DRAWN BY:	CHECKED BY:
RGW	EFH
DESIGNED BY:	EFH
DATE:	12-19-14
LAST REV:	06-28-13 (RGW)
PROJECT NO.	11-0091
SHEET NO.	2 OF 5



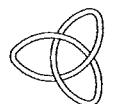
WATERLINE STA. 2+00 TO 5+50



No.	DATE	BY	DESCRIPTION
1	8/18/12	RGW	CITY OF LEWISTON COMMENTS, 08-12-12
2	12/17/14	EPH	OWNER CHANGE

WATERLINE PLAN & PROFILE
NPP WATERLINE CONNECTION
BEDROCK, LLC.
LEWISTON, ID. 83501

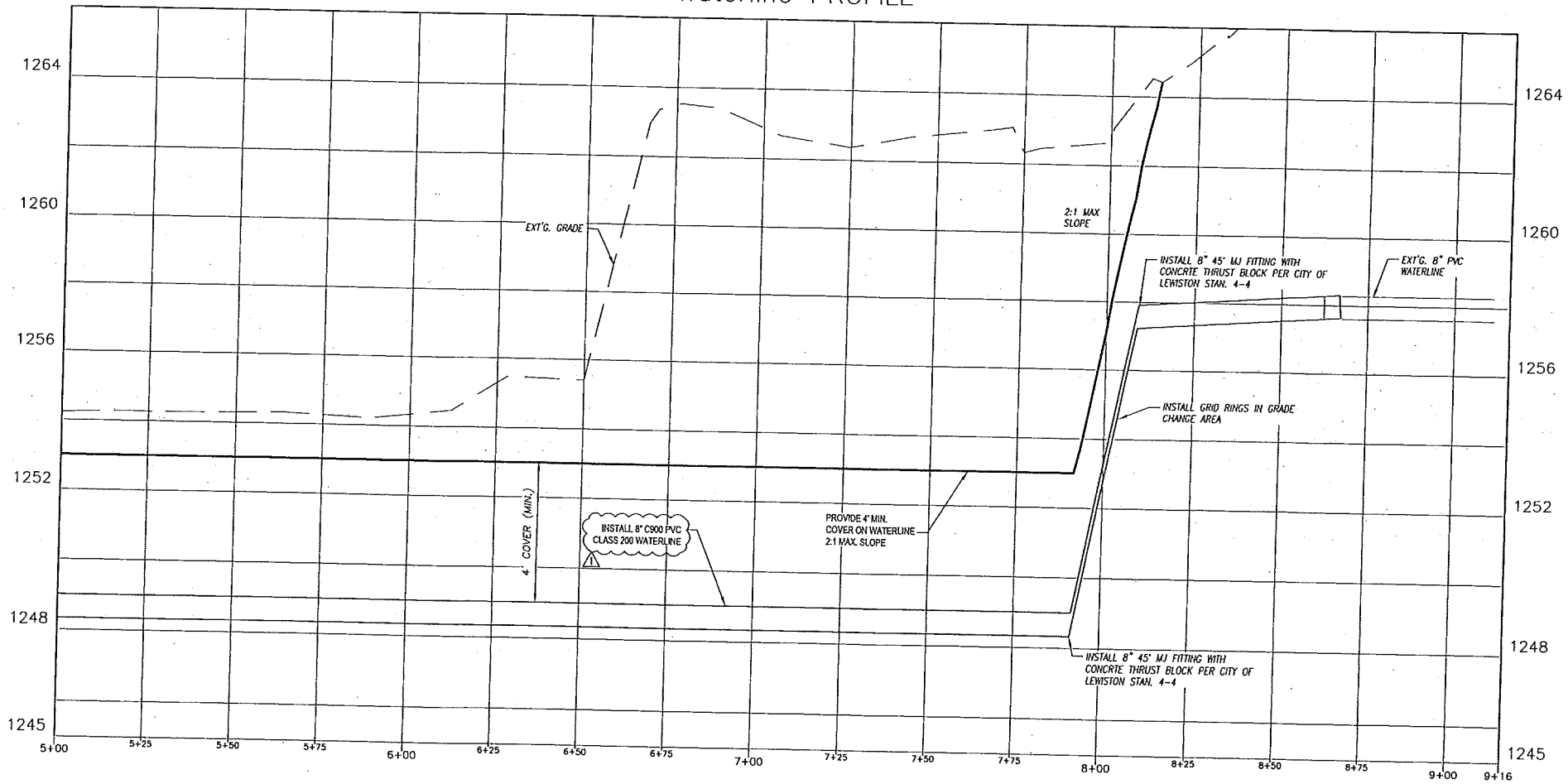
KELTIC ENGINEERING, INC.



DRAWN BY: RGW
CHECKED BY: EPH
DESIGNED BY: EPH
DATE: 12-19-14
LAST REV: 08-20-13 (RGW)
PROJECT NO: 11-0091
SHEET NO: 3 OF 5

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

Waterline PROFILE



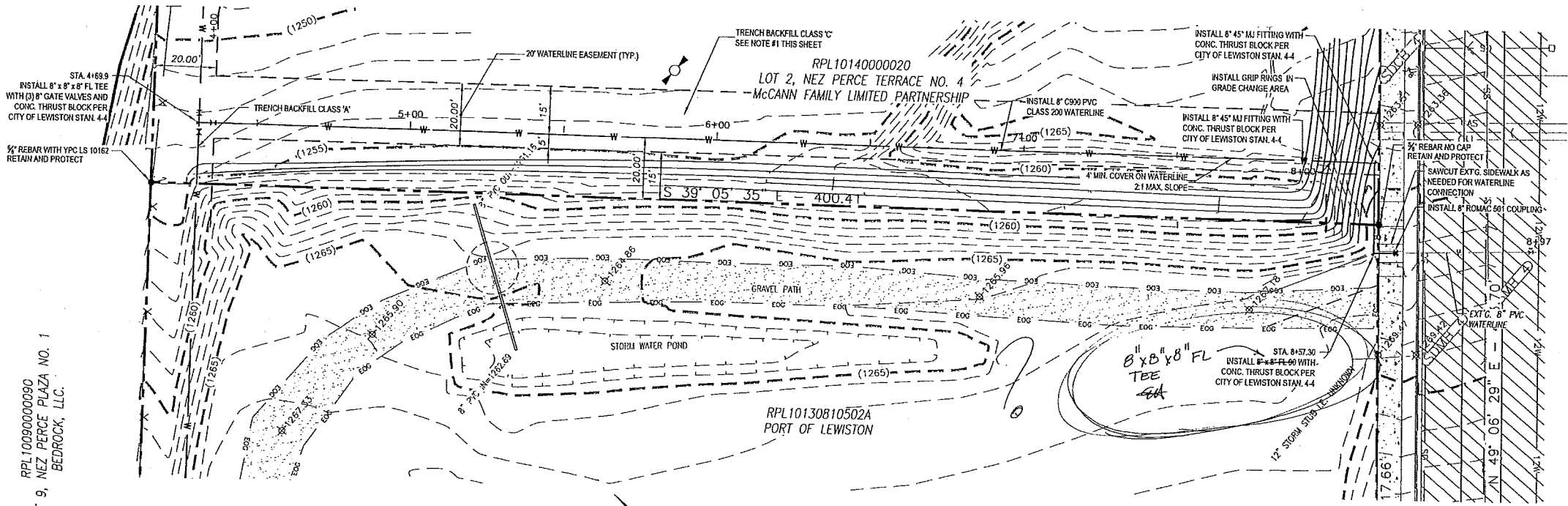
NOTE:
1. TRENCH BACKFILL ALONG THE EXISTING PATH SHALL CONFORM TO CITY STANDARD DWG 1-6, WITH THE EXCEPTION OF THE TOP SURFACE LAYER WHICH SHALL MATCH THE EXISTING GRAVEL TYPE & DEPTH.

DATE	BY	DESCRIPTION
8/18/12	RGW	CITY OF LEWISTON COMMENTS, DG-12-12
12/17/14	EFH	OWNER CHANGE

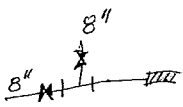
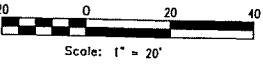
WATERLINE PLAN & PROFILE
NPP WATERLINE CONNECTION
BEDROCK, LLC.
LEWISTON, ID. 83501

KELTIC ENGINEERING, INC.
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DESIGNED BY: RGW	CHECKED BY: EFH
DATE: 12-17-14	
LAST REV: 08-28-13 (RGW)	
PROJECT NO: 11-0091	
SHEET NO: 4	OF 5



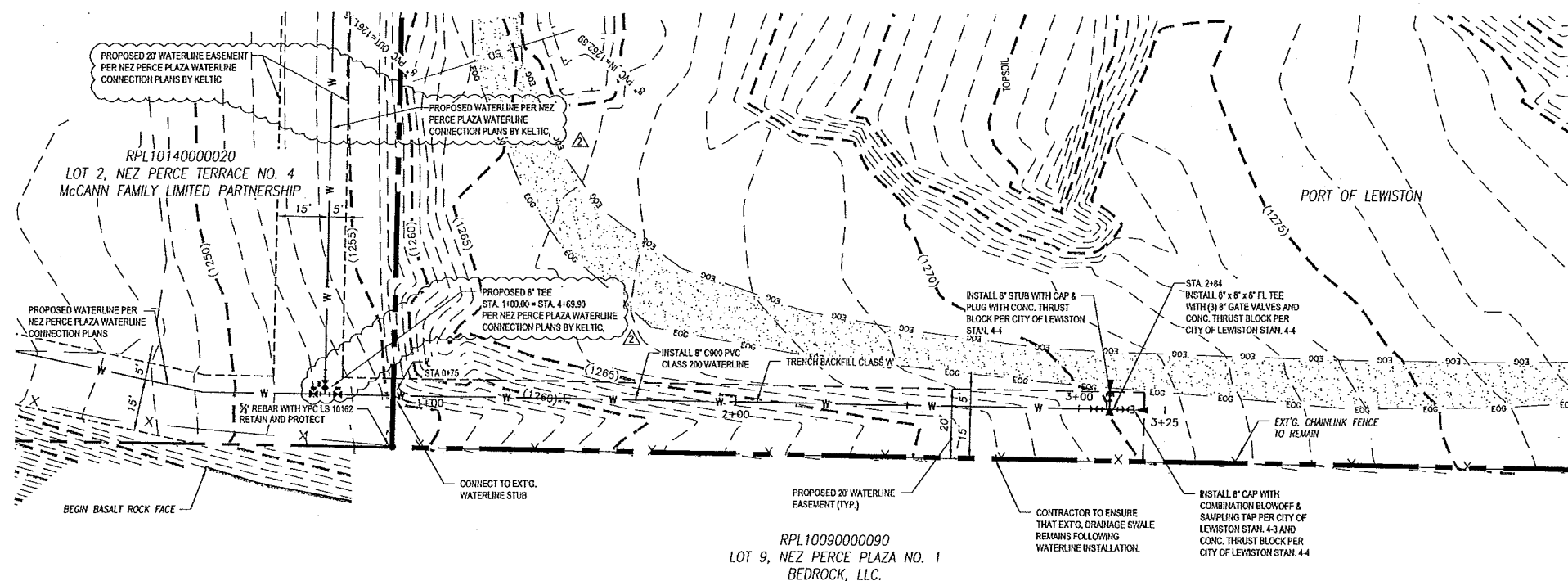
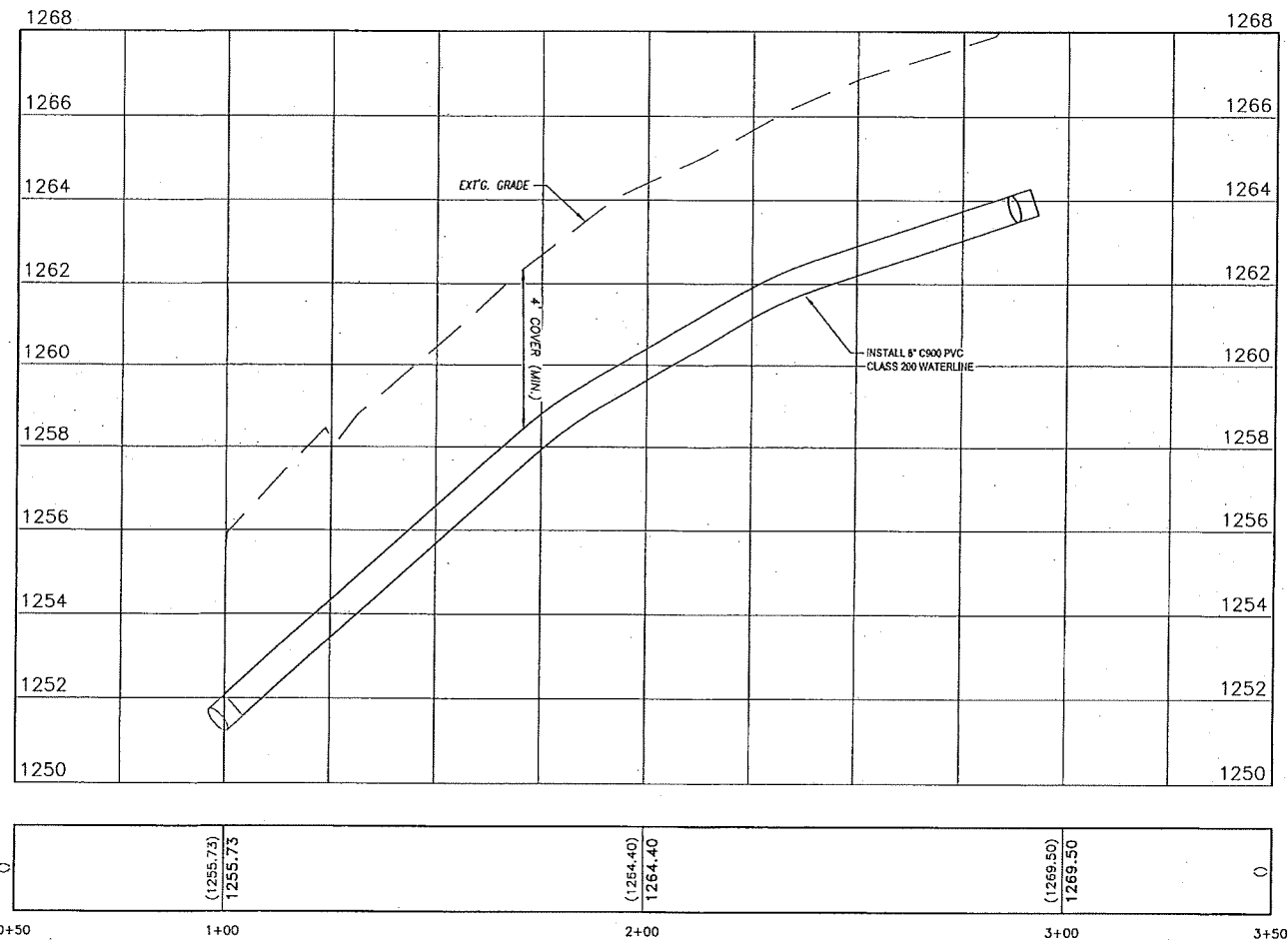
WATERLINE STA. 5+50 TO 9+16



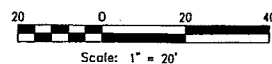
RPL10090000090
LOT 9, NEZ PERCE PLAZA NO. 1
BEDROCK, LLC.

RPL10130810502A
PORT OF LEWISTON

RPL10140000020
LOT 2, NEZ PERCE TERRACE NO. 4
McCANN FAMILY LIMITED PARTNERSHIP

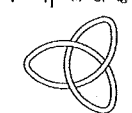


WATERLINE STA. 1+00 TO 2+90



CALL 2 BUSINESS DAYS IN ADVANCE BEFORE
YOU DIG, GRADE, OR EXCAVATE FOR THE
MARKING OF UNDERGROUND MEMBER
UTILITIES

KELTIC ENGINEERING, INC.



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9425 North Nevada Street, Ste 204 • Spokane, WA 99218 • (509) 464-3000 • (509) 464-3005 fax
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DRAWN BY:	CHECKED BY:
RCW	EFH
DESIGNED BY:	EFH
DATE:	12-14-14
LAST REV:	12-19-14 (MHI)
PROJECT NO.	13-1301
SHEET NO.	5 OF 5

WATERLINE PLAN & PROFILE
PORT OF LEWISTON
1626 6TH AVE. NORTH
LEWISTON, ID. 83501

No.	DATE	BY	DESCRIPTION
1	12/12/14	JDM	CITY OF LEWISTON REVIEW COMMENTS - 02-05-14
2	12/19/14	JDM	OWNER CHANGE