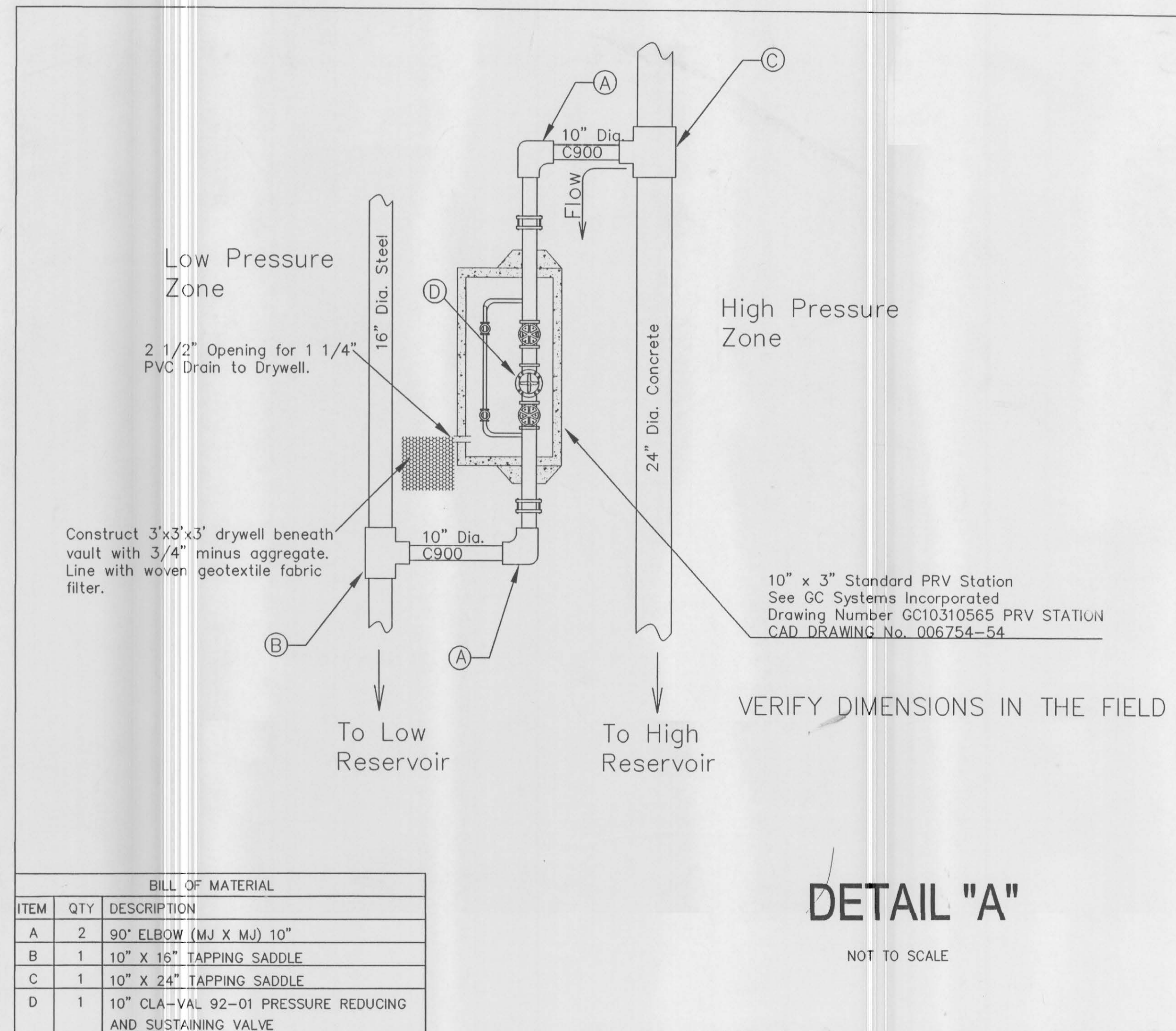
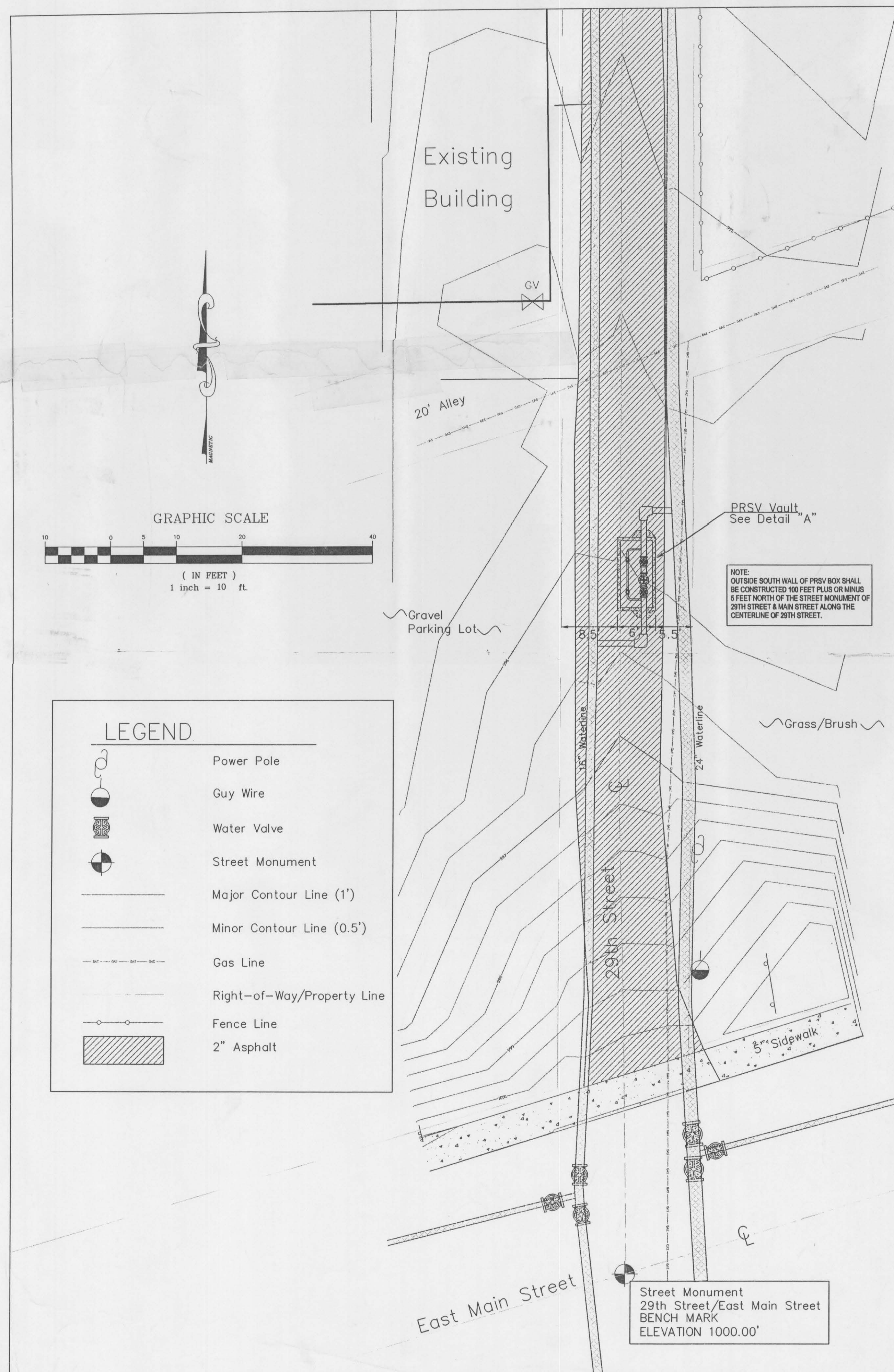


# 29th Street Pressure Reducing & Sustaining Valve Station



BILL OF MATERIAL		
ITEM	QTY	DESCRIPTION
A	2	90° ELBOW (MJ X MJ) 10"
B	1	10" X 16" TAPPING SADDLE
C	1	10" X 24" TAPPING SADDLE
D	1	10" CLA-VAL 92-01 PRESSURE REDUCING AND SUSTAINING VALVE

## GENERAL CONSTRUCTION NOTES:

- UTILITIES SHOWN IN THE CONTRACT DOCUMENTS ARE FOR GENERAL INFORMATION ONLY, VERIFY LOCATIONS OF ALL UTILITIES. NOTIFY LOCAL ONE NUMBER LOCATOR SERVICE (1-800-342-1858) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING EXCAVATION WORK. PROTECT UTILITY MARKINGS DURING CONSTRUCTION. DETERMINE BY HAND DIGGING, IN THE AREA (24 INCHES) OR LESS FROM THE FACILITIES, THE PRECISE ACTUAL LOCATIONS OF UNDERGROUND FACILITIES THAT HAVE BEEN MARKED. COMPLY WITH SECTION 55-2201 OF IDAHO CODE ENTITLED "UNDERGROUND FACILITIES DAMAGE PREVENTION."
- THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL FOR ALL WORK IN ACCORDANCE WITH THE 1988 EDITION OF "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (PART VI).
- CONSTRUCT ASPHALT PAVING (ITD PLANT MIX CL II) TO A MINIMUM OF 2-1/2" DEPTH WITH 7-1/2" OF 3/4" CRUSHED AGGREGATE BASE. COMPACTION OF BASE SHALL BE A MINIMUM OF 95% OF MAXIMUM DENSITY AS MEASURED BY ASTM D 698.
- NOTIFY THE PROPERTY OWNER OR TENANT, THE ADJACENT EASEMENT PROPERTY OWNER, AND ALL AFFECTED PROPERTIES 48 HOURS IN ADVANCE OF THE TIME WHEN CONSTRUCTION WORK WILL BE STARTED WITHIN THE PROPERTY. CONFINE THE CONSTRUCTION OPERATIONS TO WITHIN THE EASEMENT LIMITS OR STREET AND ALLEY RIGHT-OF-WAY LIMITS OR OBTAIN WRITTEN PERMISSION FROM THE AFFECTED PROPERTY OWNERS FOR ADDITIONAL WORK AREA REQUIRED. REPAIR DAMAGE TO PRIVATE PROPERTY, EITHER INSIDE OR OUTSIDE THE LIMITS OF THE EASEMENTS, EQUAL TO OR BETTER THAN PRIOR TO CONSTRUCTION AT NO ADDITIONAL COST TO THE CONTRACT.
- REMOVE AND REPLACE MISCELLANEOUS STRUCTURES IMPACTED BY EXCAVATION SUCH AS CATCH BASINS, DRAIN PIPE, CULVERTS, SIDEWALKS, CURBS, GUTTERS, MAILBOXES AND SIGNPOSTS WITHOUT ADDITIONAL COMPENSATION FROM THE OWNER UNLESS OTHERWISE SPECIFIED. REPLACE THESE STRUCTURES IN A CONDITION EQUAL TO OR BETTER THAN THEIR ORIGINAL CONDITIONS. IF STRUCTURES OR UTILITIES ARE ENCOUNTERED THAT MAY PREVENT THE CONSTRUCTION OF THE PIPELINE OR FACILITIES, NOTIFY THE ENGINEER BEFORE CONTINUING WITH THE CONSTRUCTION.
- TRENCHES SHALL NOT BE LEFT OPEN AT THE END OF THE WORK DAY. AN OPEN TRENCH IS DEFINED AS ANY PORTION OF THE TRENCH WHICH HAS NOT BEEN BACK FILLED TO FINISH GRADE, OR WHICH IS NOT PASSABLE TO LOCAL TRAFFIC. TRENCH WIDTH SHALL BE (24 INCHES) PLUS THE OUTSIDE DIAMETER OF THE PIPE BARREL AND SUFFICIENT TO INSTALL AND JOIN PIPE AND PROPERLY PLACE THE BEDDING MATERIAL. TRENCH WIDTH IS MEASURED FROM TRENCH WALL TO TRENCH WALL INSIDE OF SHORING. MINIMUM TRENCH DEPTHS SHALL BE AS REQUIRED FOR INVERT GRADE OF THE PIPE INDICATED IN THE CONTRACT DOCUMENTS, PLUS PIPE WALL THICKNESS INCLUDING BELLS, PLUS THE SPECIFIED BEDDING THICKNESS, PLUS ADDITIONAL DEPTH FOR FOUNDATION STABILIZATION, ACCURATELY GRADE BOTTOM OF TRENCHES TO THE LINES AND GRADE INDICATED IN THE CONTRACT DOCUMENTS. TRENCH SIDES AND BOTTOM SHALL BE HAND TRIM TO ALLOW FOR PIPE BELLS, VALVES AND APPURTENANCES IN A MANNER WHICH DOES NOT DISTURB SUB GRADE COMPACTION. PROVIDE UNIFORM BEARING AREA. REPLACE UNAUTHORIZED OVER-EXCAVATION WITH FOUNDATION MATERIAL AND COMPACT TO 95% MAXIMUM DENSITY AS MEASURED BY ASTM D 698.
- PROVIDE DUST CONTROL 7 DAYS A WEEK, 24 HOURS PER DAY.
- GRADE THE WORK AREA TO PREVENT SURFACE WATER FROM ENTERING THE TRENCH. IMMEDIATELY REMOVE WATER ACCUMULATING IN THE TRENCH. PREVENT SILTATION OF THE DOWN STREAM DRAINAGE SYSTEM BY METHODS APPROVED BY THE ENGINEER AND OTHER APPLICABLE AGENCIES. PROVISIONS MAY INCLUDE SILT BASINS, SILT FENCES, OR OTHER PHYSICAL MEANS.
- PROVIDE ALL SHORING, BRACING, TIGHT SHEETING, AND TRENCH BOXES REQUIRED TO PREVENT CAVING AND TO PROTECT WORKERS AND ADJACENT PROPERTY AND STRUCTURES. COST IS INCIDENTAL TO CONTRACT. MEET OCCUPATIONAL SAFETY AND HEALTH (OSHA) REGULATIONS AND REQUIREMENTS AT ALL TIMES FOR ALL TRENCH EXCAVATION AND ASSOCIATED WORK.
- EXISTING PAVEMENT SURFACES SHALL BE SAW CUT FULL DEPTH WITH STRAIGHT, UNIFORM EDGES 12 INCHES (12") OUT FROM THE EDGE OF THE EXCAVATION. ALL JOINTS BETWEEN THE NEW AND ORIGINAL PAVEMENT SHALL BE SEALED WITH ASPHALT EMULSION (CSS-1) AFTER COMPLETION OF PAVING.
- DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM CONSTRUCTION, AS DIRECTED BY THE CITY.
- DURING CONSTRUCTION THE CONTRACTOR SHALL BE REQUIRED TO CONTROL ON SITE STORM DRAINAGE BY USING TEMPORARY OR PERMANENT EROSION CONTROL MEASURES.
- ALL THRUST BLOCKS SHALL BE SIZED AND CONSTRUCTED TO CITY OF LEWISTON STANDARD DRAWING W-2.

Lewiston, Idaho  
29th Street  
PRSV Station



CITY OF LEWISTON  
PUBLIC WORKS DEPARTMENT  
ENGINEERING SERVICES  
1134 F STREET  
LEWISTON, ID 83501  
(208) 746-9671 FAX (208) 746-9667

NO.	DATE	FILENAME	DESCRIPTION	BY

DESIGNED BY:	W.V.	CHECKED BY:	T.R.	JOB NO.:	
DRAWN BY: <td> </td> <td> </td> <td> </td> <td> </td> <td> </td>					

SCALE:	DATE:	DRAWING NO.:	SHEET	OF
	03/22/00		1	1