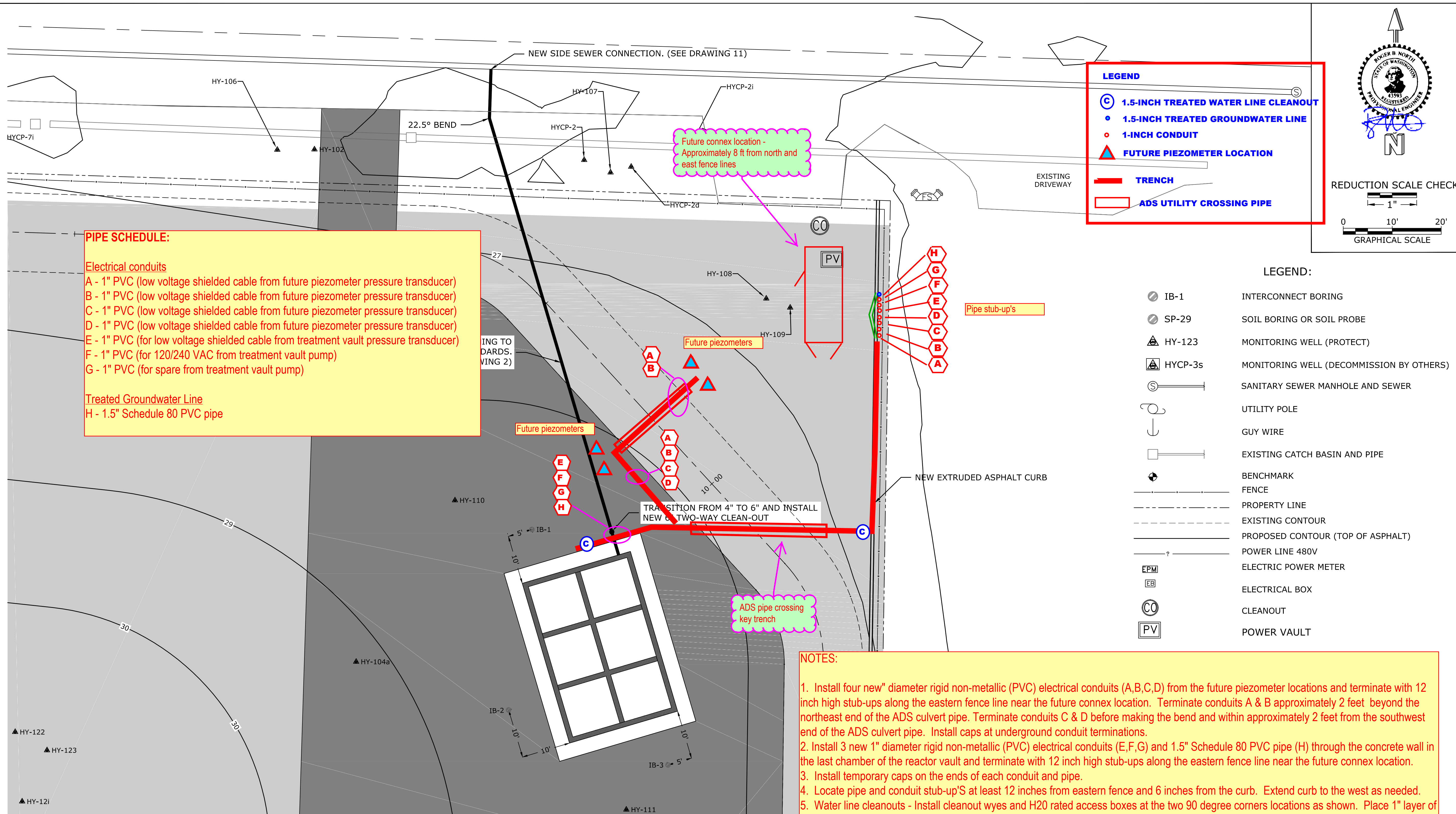


C:\CIVIL 3D PROJECTS\BSB\PRODUCTION DRAWINGS\PHASE 2 CUTOFF WALL\FINAL COVER PLAN.DWG PLOTTED: 8/26/2011 6:46 AM ON ANSI FULL BLEED D (22.00 X 34.00 INCHES)



**PIPE SCHEDULE:**

**Electrical conduits**  
 A - 1" PVC (low voltage shielded cable from future piezometer pressure transducer)  
 B - 1" PVC (low voltage shielded cable from future piezometer pressure transducer)  
 C - 1" PVC (low voltage shielded cable from future piezometer pressure transducer)  
 D - 1" PVC (low voltage shielded cable from future piezometer pressure transducer)  
 E - 1" PVC (for low voltage shielded cable from treatment vault pressure transducer)  
 F - 1" PVC (for 120/240 VAC from treatment vault pump)  
 G - 1" PVC (for spare from treatment vault pump)

**Treated Groundwater Line**  
 H - 1.5" Schedule 80 PVC pipe

**LEGEND**

- ⊙ 1.5-INCH TREATED WATER LINE CLEANOUT
- 1.5-INCH TREATED GROUNDWATER LINE
- 1-INCH CONDUIT
- ▲ FUTURE PIEZOMETER LOCATION
- TRENCH
- ▭ ADS UTILITY CROSSING PIPE

REDUCTION SCALE CHECK  
 1" = 20'  
 GRAPHICAL SCALE

**LEGEND:**

- ⊙ IB-1 INTERCONNECT BORING
- ⊙ SP-29 SOIL BORING OR SOIL PROBE
- ▲ HY-123 MONITORING WELL (PROTECT)
- ▲ HYCP-3s MONITORING WELL (DECOMMISSION BY OTHERS)
- ⊙ SANITARY SEWER MANHOLE AND SEWER
- ⊙ UTILITY POLE
- ⊙ GUY WIRE
- ▭ EXISTING CATCH BASIN AND PIPE
- ⊙ BENCHMARK
- FENCE
- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR (TOP OF ASPHALT)
- POWER LINE 480V
- ⊙ EPM ELECTRIC POWER METER
- ⊙ EB ELECTRICAL BOX
- ⊙ CO CLEANOUT
- ⊙ PV POWER VAULT

- INTERCONNECT BORING NOTES:**
- BORINGS TO BE DRILLED USING A DRILL RIG EQUIPPED WITH NOMINAL 12-INCH INSIDE-DIAMETER HOLLOW STEM AUGERS.
  - AUGERS TO BE ADVANCED TO THE BOTTOM DEPTH/ELEVATION WITH A WOOD PLUG SEALING THE BOTTOM OF THE LEAD AUGER.
  - WHEN FINAL DEPTH IS REACHED, AUGERS TO BE FILLED WITH POTABLE WATER, THE WOOD PLUG KNOCKED OUT, AND 10X20 COLORADO SILICA SAND® POUR
  - SAND TO BE KEPT UP IN THE AUGERS AS THE AUGERS ARE WITHDRAWN.
  - SAND TO FILL EACH BORING FROM THE BOTTOM DEPTH TO A DEPTH 5 FEET BELOW PROPOSED FINAL GRADE ELEVATION.
  - EACH BORING TO BE FILLED FROM A DEPTH OF 5 FEET BELOW PROPOSED GRADE ELEVATION TO THE BOTTOM OF THE SURFACE PAVING WITH CONCRETE.
  - EACH BORING TO BE SURVEYED FOR HORIZONTAL LOCATION PRIOR TO PAVING OVER THE LOCATION.
  - SOIL GENERATED DURING DRILLING TO BE STOCKPILED WITH OTHER EXCAVATED SOILS.

- NOTES:**
- Install four new 1" diameter rigid non-metallic (PVC) electrical conduits (A,B,C,D) from the future piezometer locations and terminate with 12 inch high stub-ups along the eastern fence line near the future connex location. Terminate conduits A & B approximately 2 feet beyond the northeast end of the ADS culvert pipe. Terminate conduits C & D before making the bend and within approximately 2 feet from the southwest end of the ADS culvert pipe. Install caps at underground conduit terminations.
  - Install 3 new 1" diameter rigid non-metallic (PVC) electrical conduits (E,F,G) and 1.5" Schedule 80 PVC pipe (H) through the concrete wall in the last chamber of the reactor vault and terminate with 12 inch high stub-ups along the eastern fence line near the future connex location.
  - Install temporary caps on the ends of each conduit and pipe.
  - Locate pipe and conduit stub-up'S at least 12 inches from eastern fence and 6 inches from the curb. Extend curb to the west as needed.
  - Water line cleanouts - Install cleanout wyes and H20 rated access boxes at the two 90 degree corners locations as shown. Place 1" layer of concrete in the bottom of cleanout access boxes.
  - Water line fittings - maximum fitting angle is 45 degrees. 90 degree bends may be sweep elbows or two 45 degree elbows.
  - Conduit fittings - install sweep elbows to facilitate pulling of electrical cables. Install H20 traffic rated pull boxes as needed.
  - Conduit burial - minimum burial depth of 24 inches below grade.
  - Maintain at least 3 inches of pipe bedding material around each pipe and conduit.
  - Trench crossings - install pipe and conduits inside ADS culvert crossing the key trench.
  - Install 3" minimum width metallic tracer tape in all trenches for future locating.
  - Meet all local, state, and federal codes.

IB-3	27	28.2	27.7	0.7
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**VISTA CONSULTANTS, LLC**  
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 (503) 922-2522

PROJECT NO. 11-12

**FINAL CLEANUP ACTION PHASE II**  
 BSB DIVERSIFIED, INC. PROPERTY  
 KENT, WASHINGTON  
**VAULT AREA DETAILS**

DRAWING NO. **11** OF 13

DATE: 8/26/2011

SCALE: 1" = 10'

REV	DATE	REVISION DESCRIPTION	DES	DRN	APP
08/25/11		CONTRACTOR ISSUE	RN	STM	RN