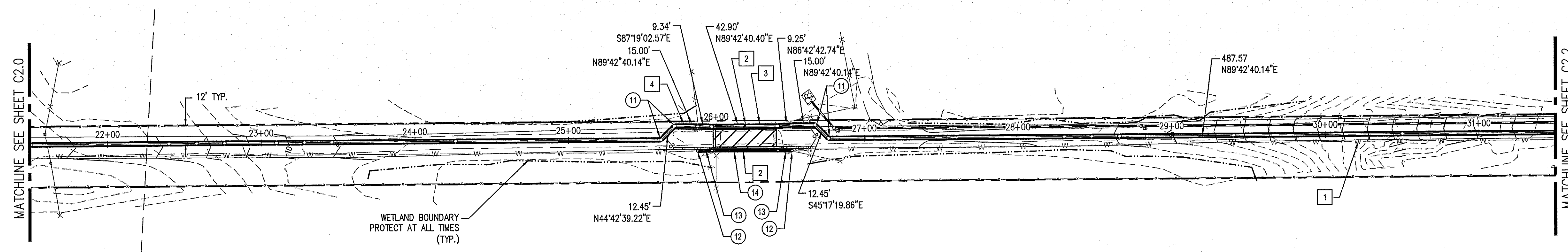


WATER LINE AND ROAD PROFILE
 SCALE: HORIZONTAL 1"=40'
 VERTICAL 1"=4'

1
C2.1

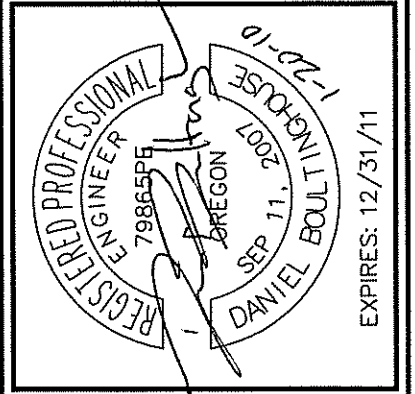
- KEY NOTES**
- ACTUAL LOCATION OF EXISTING 18" LINE MAY VARY. CONTRACTOR SHALL FIELD LOCATE BEFORE CONSTRUCTION OR TRENCHING FOR PROPOSED 24" WATERLINE. MAINTAIN MIN. 3' CLEARANCE AT ALL TIMES.
 - INSTALL AIR RELIEF VALVES AT STA 26+20 PER DETAIL 3/C6.2.
 - INSTALL WATERLINE ON BRIDGE PER SHEET BR1.0 & BR6.0.
 - INSTALL 6" BLOWOFF ASSEMBLY STA 25+30 PER 7/C6.2.
- PIPING SCHEDULE**
- STA 22+40-22+69
 $\Delta = 2.92'$
 2~ 1.5" DEFLECTIONS AS NEEDED
 - STA 23+10
 $\Delta = 3.60'$
 2~ 1.8" DEFLECTIONS AS NEEDED
 - STA 24+26
 $\Delta = 1.19'$
 DEFLECT JOINTS AS NEEDED
 - STA 25+60 & STA 25+73
 $\Delta = 8.85'$ & $8.63'$
 2~ 24" X 11.25" BEND
 DEFLECT JOINTS AS NEEDED
 - STA 25+88
 $\Delta = 40.41'$
 1~ 24" X 45" BEND
 DEFLECT JOINTS AS NEEDED
 - STA 25+88 & STA 26+40
 1~ 24" FLEXIBLE EXPANSION JOINT, FORCE BALANCED DOUBLE BALL, FLEX-TEND BY EBAA IRON OR EQUAL JOINT IN POLYETHYLENE ENCASEMENT PER MANUFACTURER'S INSTRUCTIONS
 - STA 25+97 & STA 26+40
 $\Delta = 40.41'$ & $40.68'$
 2~ 24" X 45" BENDS
 DEFLECT JOINTS AS NEEDED
 - STA 26+50
 $\Delta = 40.68'$
 1~ 24" X 45" BENDS
 DEFLECT JOINTS AS NEEDED
 - STA 28+30
 $\Delta = 6.84'$
 4~ 1.7" DEFLECTIONS AS NEEDED
 - STA 30+50
 $\Delta = 1.42'$ DEFLECT JOINTS AS NEEDED
 - STA 25+60.33, STA 25+72.78, STA 26+64.28 & STA 26+76.73
 $\Delta = 45'$
 4~ 24" X 45" HORIZONTAL BENDS
 - CUT IN 18" VERTICAL BEND IN EXISTING WATERLINE. INSTALL PIPE AND INSPECT AND DISINFECT PRIOR TO CUT-OVER, COORDINATE WITH SEQUENCE 5.
 1~ 18" X 45" VERT. BEND RESTRAINED.
 - 1~ 18" FLEXIBLE EXPANSION JOINT, FORCE BALANCED DOUBLE BALL, FLEX-TEND BY EBAA IRON OR EQUAL JOINT IN POLYETHYLENE ENCASEMENT PER MANUFACTURER'S INSTRUCTIONS
 - NEW 18" TRANSMISSION LINE, FULLY RESTRAINED.



PLAN VIEW
 SCALE: 1"=40'

2
C2.1

WHPacific
 9755 SW Barnes Rd, Suite 300
 503.526.0465 FAX: 503.526.0775
 www.whpacific.com



NO.	BY	DATE	REMARKS

SHEET INFO	DESIGNED	DLB	DRAWN	SRM	CHECKED	BLB	APPROVED	DLB	LAST EDIT	1/14/2010	PLOT DATE	1/20/2010	SUBMITTAL

24" TRANSMISSION LINE
 STA 21+50 TO 31+50
 CITY OF WARRENTON
 SOUTH WATER RESERVOIR

PROJECT NUMBER: 035889
 DRAWING FILE NAME: 035889-PP01
 SCALE: AS SHOWN

DATE: 1/20/2010 11:42 AM [AUTHOR: smosev] [PLOTTER: Portland Ricoh 7140.pcl3] [STYLE: WHP-Standard.ctb]
 [PATH: P:\City of Warrenton\035889\Design\Drawings\Civil\035889-PP01.dwg] [LAYOUT: PP02]