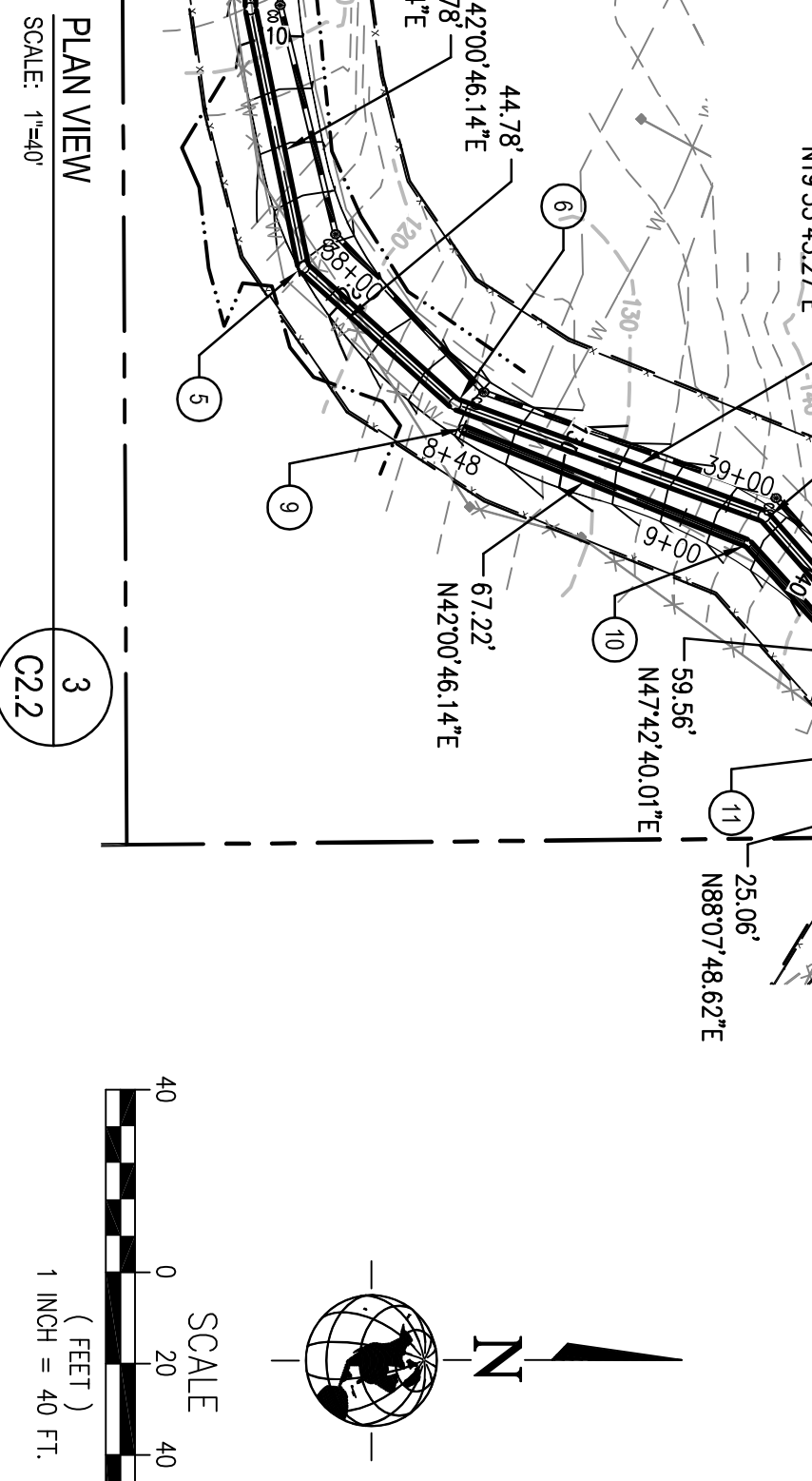
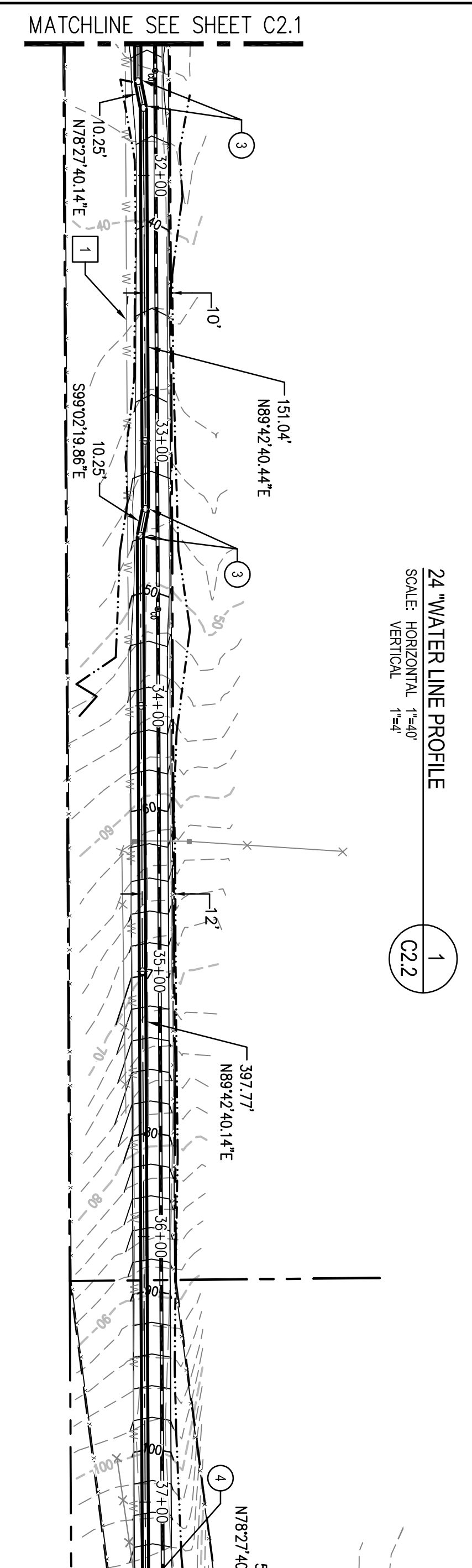
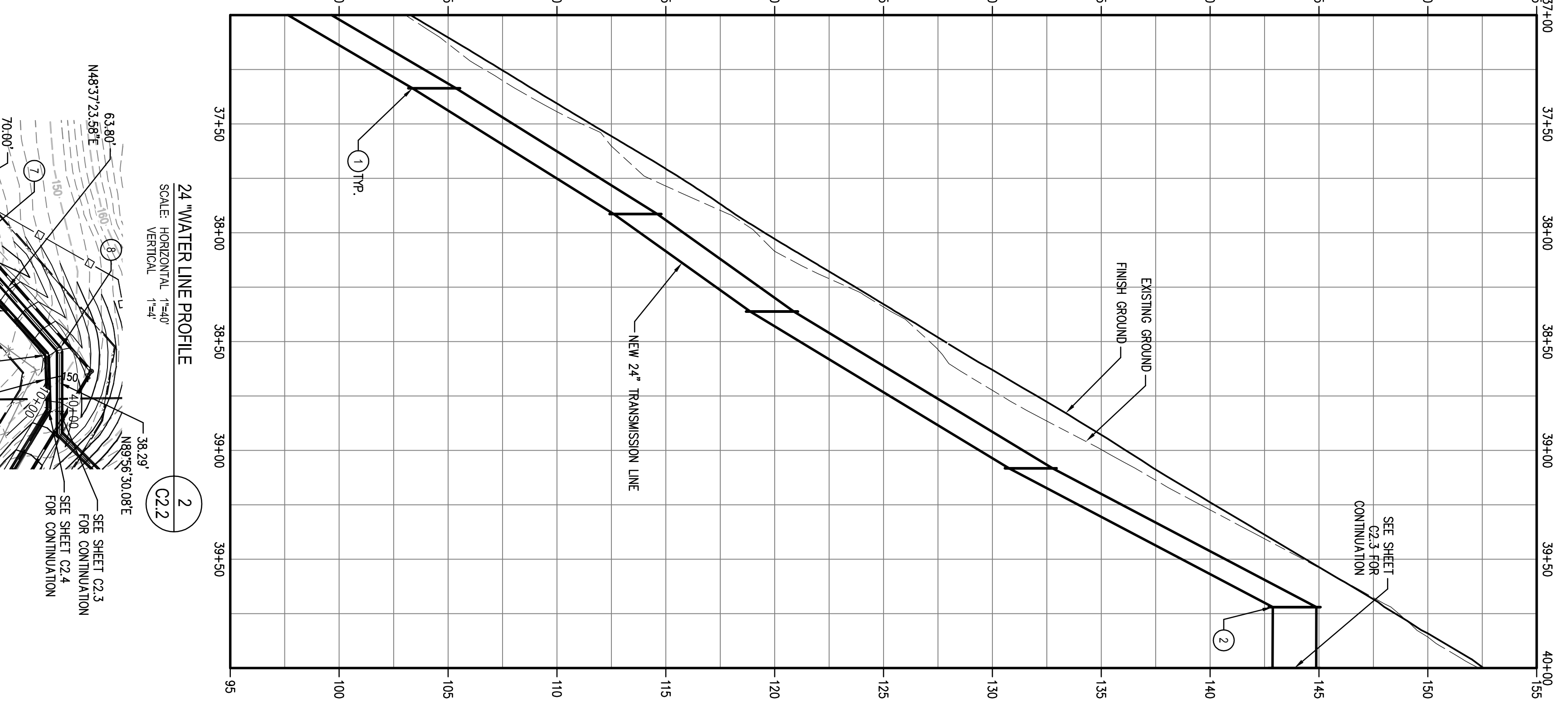
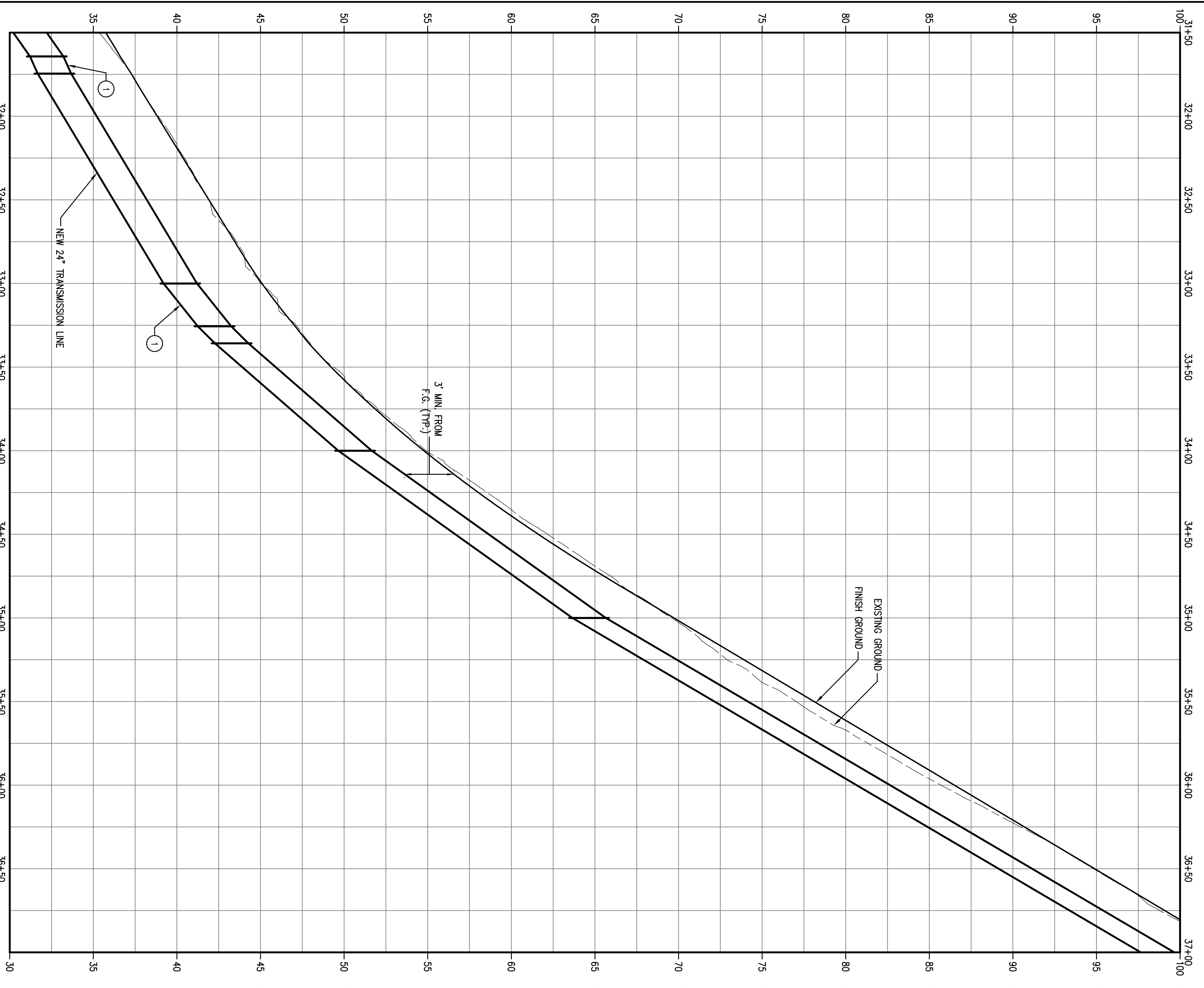


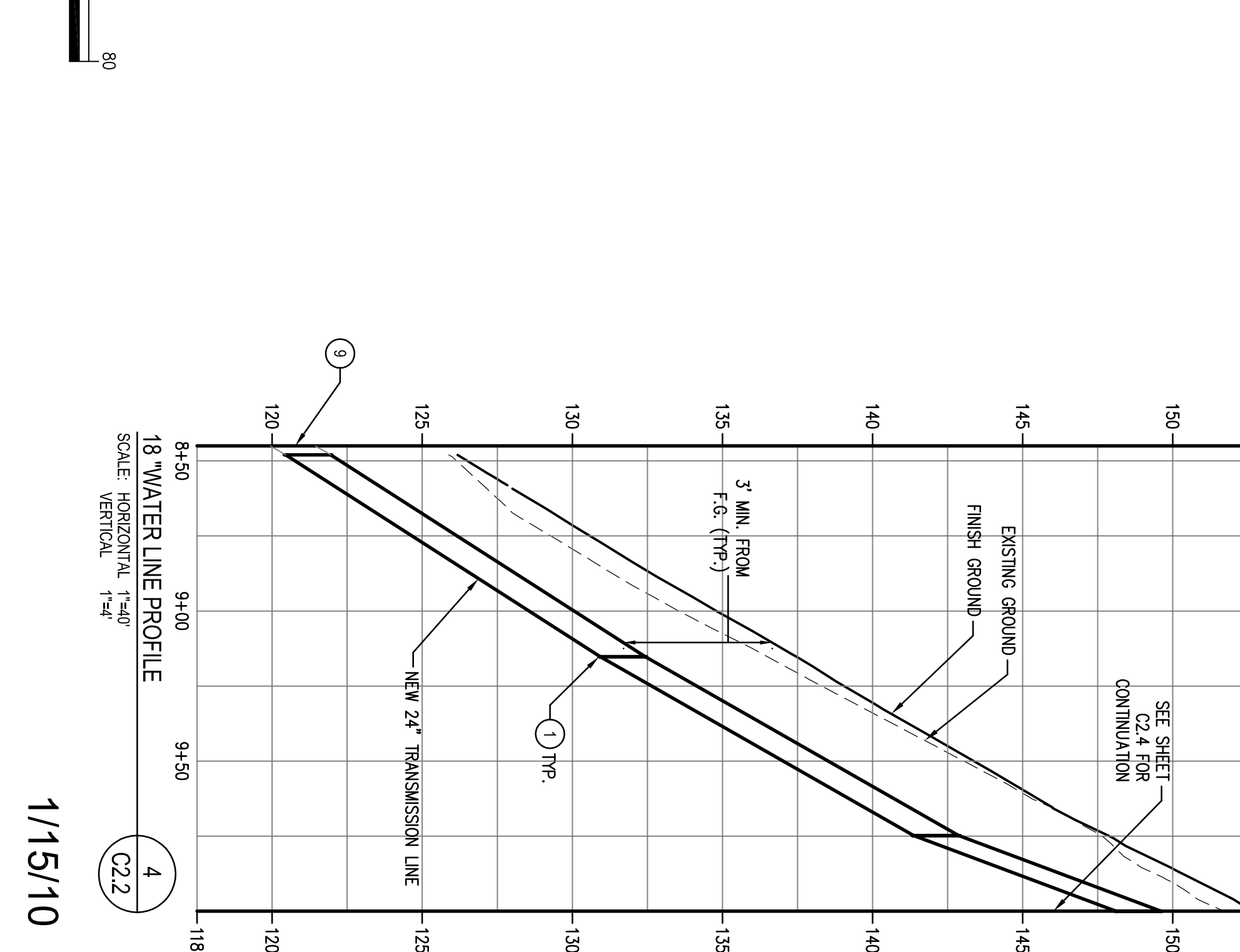
T.7 N., R.10 W., W.M., SECTION 32



- 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.

PIPING SCHEDULE

- DEFLECT PIPE AS NEEDED TO MAINTAIN 3' OF COVER, MAX.
- SIA 39+72
 $\Delta = 10.75'$
 1- 24" X 11.25' HORIZONTAL BEND
 DEFLECT JOINTS AS NEEDED
 RESTRAIN 40' EACH SIDE OF BEND
- SIA 31+64.30, SIA 31+74.55, SIA 33+25.60 &
 SIA 33+35.85
 $\Delta = 11.25'$
 4- 24" X 11.25' HORIZONTAL BENDS
 RESTRAIN 10' EACH SIDE OF BEND
- SIA 37+33.62
 $\Delta = 11.25'$
 1- 24" X 11.25' HORIZONTAL BEND
 RESTRAIN 10' EACH SIDE OF BEND
- SIA 37+91.40
 $\Delta = 36.45'$
 1- 24" X 22.5' HORIZONTAL BEND
 DEFLECT JOINTS AS NEEDED
 RESTRAIN 20' EACH SIDE OF BEND
- SIA 38+36.18
 $\Delta = 22.08'$
 1- 24" X 22.5' BEND
 DEFLECT JOINTS AS NEEDED
 RESTRAIN 20' EACH SIDE OF BEND
- SIA 39+08.18
 $\Delta = 28.64'$
 1- 24" X 22.5' HORIZONTAL BEND
 DEFLECT JOINTS AS NEEDED
 RESTRAIN 20' EACH SIDE OF BEND
- SIA 39+71.98
 $\Delta = 41.32'$
 1- 24" X 45' HORIZONTAL BEND
 DEFLECT JOINTS AS NEEDED
 RESTRAIN 40' EACH SIDE OF BEND
- SIA 8+50 HOT TAP EXISTING 18" WATERLINE PER DETAIL 6/08.2. VERIFY LOCATION AND DEPTH.
- SIA 9+15.21
 $\Delta = 25.3'$
 1- 18" X 22.5' HORIZONTAL BEND
 DEFLECT JOINTS AS NEEDED
 RESTRAIN 16' EACH SIDE OF BEND
- SIA 9+74.77
 $\Delta = 42'$
 1- 18" X 45' HORIZONTAL BEND
 DEFLECT JOINTS AS NEEDED
 RESTRAIN 32' EACH SIDE OF BEND



<p>24" TRANSMISSION LINE STA 31+50 TO 40+00 CITY OF WARRENTON SOUTH WATER RESERVIOR</p> <p>PROJECT NUMBER: 035889 DRAWING FILE NAME: 035889-PP01</p>	<p>SHEET INFO</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>DESIGNED</td><td>DLB</td></tr> <tr><td>DRAWN</td><td>SRM</td></tr> <tr><td>CHECKED</td><td>BLB</td></tr> <tr><td>APPROVED</td><td>DLB</td></tr> <tr><td>LAST EDIT</td><td>1/25/2010</td></tr> <tr><td>PLOT DATE</td><td>1/25/2010</td></tr> <tr><td>SUBMITTAL</td><td></td></tr> </table>	DESIGNED	DLB	DRAWN	SRM	CHECKED	BLB	APPROVED	DLB	LAST EDIT	1/25/2010	PLOT DATE	1/25/2010	SUBMITTAL		<p>REVISIONS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>BY</th> <th>DATE</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	BY	DATE	REMARKS														<p>WHPacific</p> <p>9755 SW Barnes Rd, Suite 300 Portland, OR 97225 503-626-0455 Fax 503-526-0775 www.whpacific.com</p>
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