



- NOTES:
- BELOW GRADE VACUUM JACKETED PIPING INSTALLED IN A SLEEVE. SLEEVE IS NITROGEN PURGED.
 - FIBER OPTIC LEAK DETECTION INSTALLED ON OUTER JACKET OF EACH VJ LINE. LEAK DETECTION SPLIT INTO ZONES.
 - VACUUM INTEGRITY MONITORING PROVIDED WITH VACUUM JACKETED PIPING. CONNECTION TO INCLUDE VACUUM MAINTENANCE INTERFACE.
 - INSULATING FLANGE KIT.
 - LOW POINT DRAIN TEE.
 - HOLD ON NORMAL ROUTING OF TOTE BUNKERING VAPOR RETURN.
 - FLAMMABLE GAS DETECTOR TO BE LOCATED NEAR PURGE VENT OUTLET.
 - LOCATE MOISTURE SENSOR IN LOW POINT OF DRIP TRAP.

NO.	REVISION	DRAWN	CHKD	APPD	DATE	
C	ISSUED FOR ESTIMATE			CC	GCB	20 Mar 15
B	ISSUED FOR ESTIMATE			CC	GCB	27 Feb 15
A1	ISSUED PRELIMINARY			PSL	TAM	13 Jun 13

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CLIENT DWS NO.

**PIPING & INSTRUMENTATION DIAGRAM
TACOMA LNG PROJECT
TOTE BUNKERING INTERCONNECTION
TACOMA, WASHINGTON**

PUGET SOUND ENERGY

FOR: PROJECT NO: **186512** DWS NO: **186512-000-PR-03-040301** REV: **C**