

Plotted By: leongp

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Layout-Sheet Name: C 103 YARD PIPING

Filename: L:\WORK\114000\114005\02A-CAD\WAT\DESIGN\2-CIVIL\AS-BUILT DRAWINGS JANUARY 2014\C-101 TO C106 114005.DWG

KEY NOTES

PRECAST CONCRETE HEADWALL STRUCTURE WITH GALV. OUTLET STRUCTURE GRILL MODEL:
LANGLEY CONCRETE 11-13 OR APPROVED ALTERNATE.

900 DIA. MANHOLE WITH H2O LOADED CATCH BASIN STYLE LID, C.I. FRAME AND GRATE, AND BASE. PROVIDE 500mm DEEP BARREL SECTION BELOW PIPE INVERT AS SUMP.

900 DIA. MANHOLE WITH H2O LOADED LID, C.I. FRAME AND COVER AND BASE.

150 DIA. PVC UNDERDRAIN. REFER TO DWG. S-202.

5 BROKE OUT CONCRETE WALL AND 900 DIA. STL. LINE INSTALLED. GROUTED IN PLACE IN EXISTING CHANNEL AND CONCRETE BENCHING PROVIDED.

(6) REFER TO DWG. M-301 FOR CONNECTION INSIDE TUNNEL.

7 LONG RADIUS BENDS AND DOBNEY CLEANOUT INSTALLED AT SURFACE AS PER MMCD STD. DETAIL S6.

8 METAL VALVE CHAMBER REMOVED AND CONNECTED TO EXISTING SCUM PIPE FLANGE AT SED. TANK WALL. NEW 300 PY LINE INSTALLED.

9 HAND EXCAVATED IN VICINITY OF EXISTING GAS FLARE.

10 EXISTING 600V BURIED TECK CABLE TO DEWATERING. PROTECT DURING EXCAVATION.

11 PUMPS, PUMP STATION, PIPING REMOVED AND ELECTRICAL DE-ENERGIZED AT MCC.

12. BREAK OUT OPENING IN EXISTING CAST-IN-PLACE CONCRETE / MH1. INSTALL 600 DIA. STL. PIPE SECTION WITH PUDDLE FLANGE AND GROUT IN PLACE. WORK CONSTRUCTED IN STAGES REQUIRING MULTIPLE SHUT DOWNS.

13 6mm THICK STEEL END PLATE BOLTED TO INSIDE WALL c/w GASKET.

14 200 DIA. SW LINE CONNECTED TO EXISTING PIPE.

15 SUBGRADE MATERIAL.

16 200 DIA. WYE CLEANOUT INSTALLED WITH RISER AND COVER SURFACE.

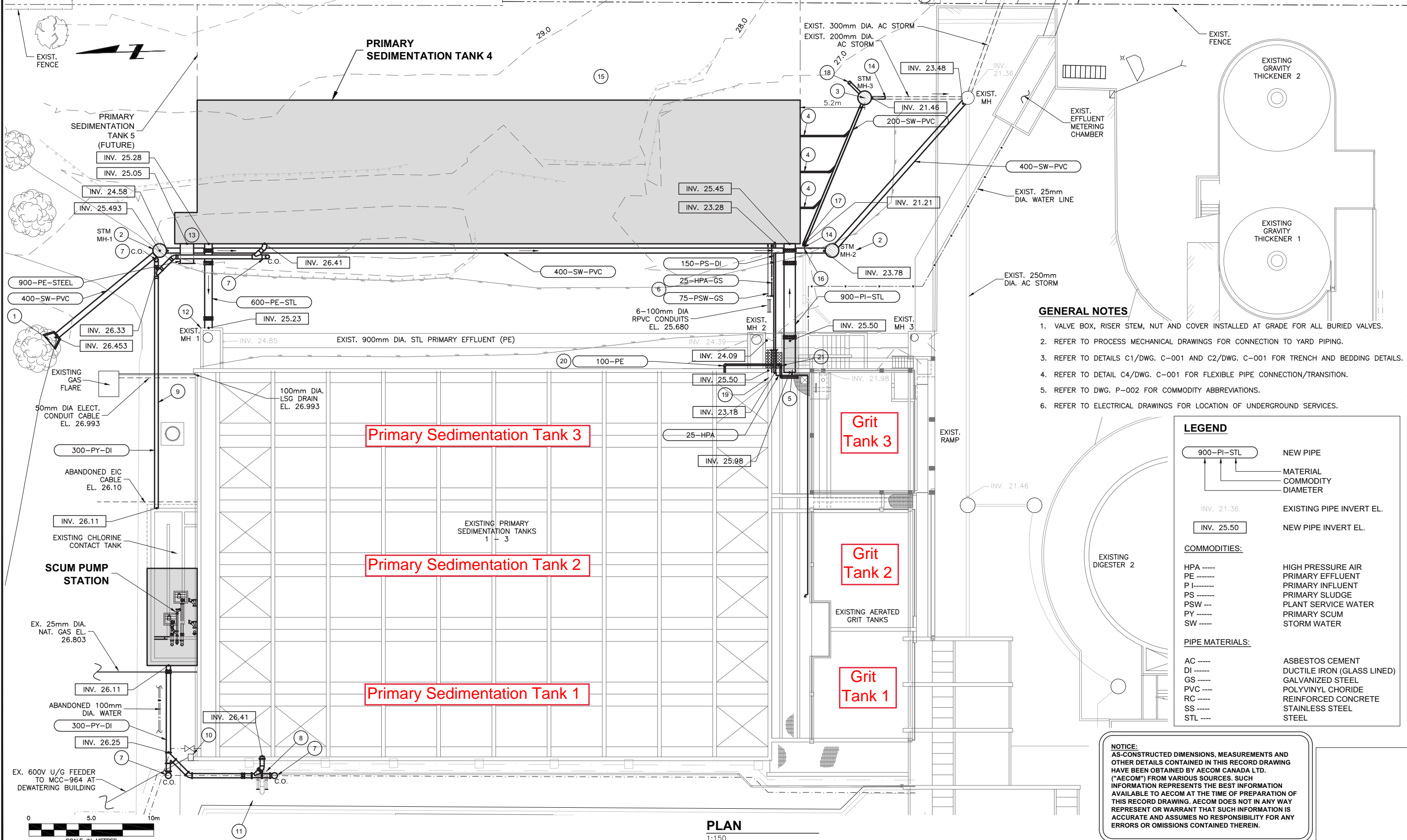
17 22.5" FITTING INSTALLED.

18 200 DIA. STUB AND CAP FOR FUTURE CONNECTION.

19 EX. 100-PE CUT AND FLUSHED WITH WALLS AND REMOVED THROUGH INFLUENT CHANNEL FLOOR. PENETRATIONS IN WALL AND FLOOR PATCHED WITH NON-SHRINK GROUT.

(20) 100-PE INSTALLED AS INDICATED. TIED INTO PIPING AT SED. TANK 3 WALL. SEE DWG. M-301 FOR NEW ROUTE.

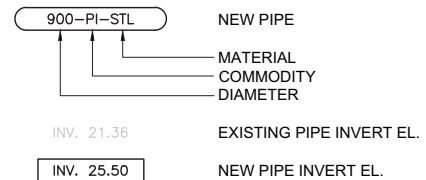
(21) EX. 25-HPA REMOVED FROM INFLUENT CHANNEL. RE-PIPED AS INDICATED. SEE DWG. M-301 FOR NEW ROUTE.



GENERAL NOTES

1. VALVE BOX, RISER STEM, NUT AND COVER INSTALLED AT GRADE FOR ALL BURIED VALVES.
2. REFER TO PROCESS MECHANICAL DRAWINGS FOR CONNECTION TO YARD PIPING.
3. REFER TO DETAILS C1/DWG. C-001 AND C2/DWG. C-001 FOR TRENCH AND BEDDING DETAILS.
4. REFER TO DETAIL C4/DWG. C-001 FOR FLEXIBLE PIPE CONNECTION/TRANSITION.
5. REFER TO DWG. P-002 FOR COMMODITY ABBREVIATIONS.
6. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF UNDERGROUND SERVICES.

LEGEND


COMMODITIES:


HPA ----	HIGH PRESSURE AIR
PE -----	PRIMARY EFFLUENT
P I-----	PRIMARY INFLUENT
PS -----	PRIMARY SLUDGE
PSW ---	PLANT SERVICE WATER
PY -----	PRIMARY SCUM
SW ----	STORM WATER

PIPE MATERIALS:

AC ----	ASBESTOS CEMENT
DI -----	DUCTILE IRON (GLASS LINED)
GS ----	GALVANIZED STEEL
PVC ----	POLYVINYL CHLORIDE
RC ----	REINFORCED CONCRETE
SS ----	STAINLESS STEEL
STL ----	STEEL

NOTICE:
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		VERIFY SCALE IF PLAN SHEET IS REDUCED	
DRN BY:	PTL		
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KMI			
A	RECORD DRAWING	PTL	JK
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PREPARED FOR:

REGIONAL DISTRICT OF NANAIMO

PREPARED BY:

AECOM

4th FLOOR,
3292 PRODUCTION WAY,
BURNABY, B.C., V5A 4R4
604-444-6400

REGIONAL DISTRICT OF NANAIMO GREATER NANAIMO POLLUTION CONTROL CENTRE PRIMARY SEDIMENTATION TANK 4	CIVIL SITE AND YARD PIPING PLAN
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