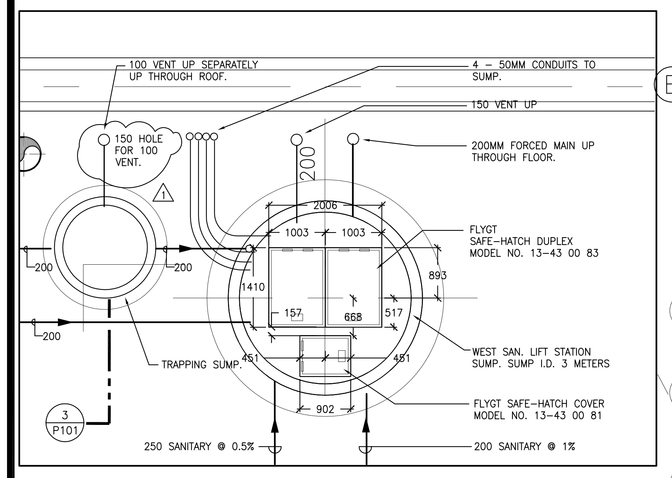
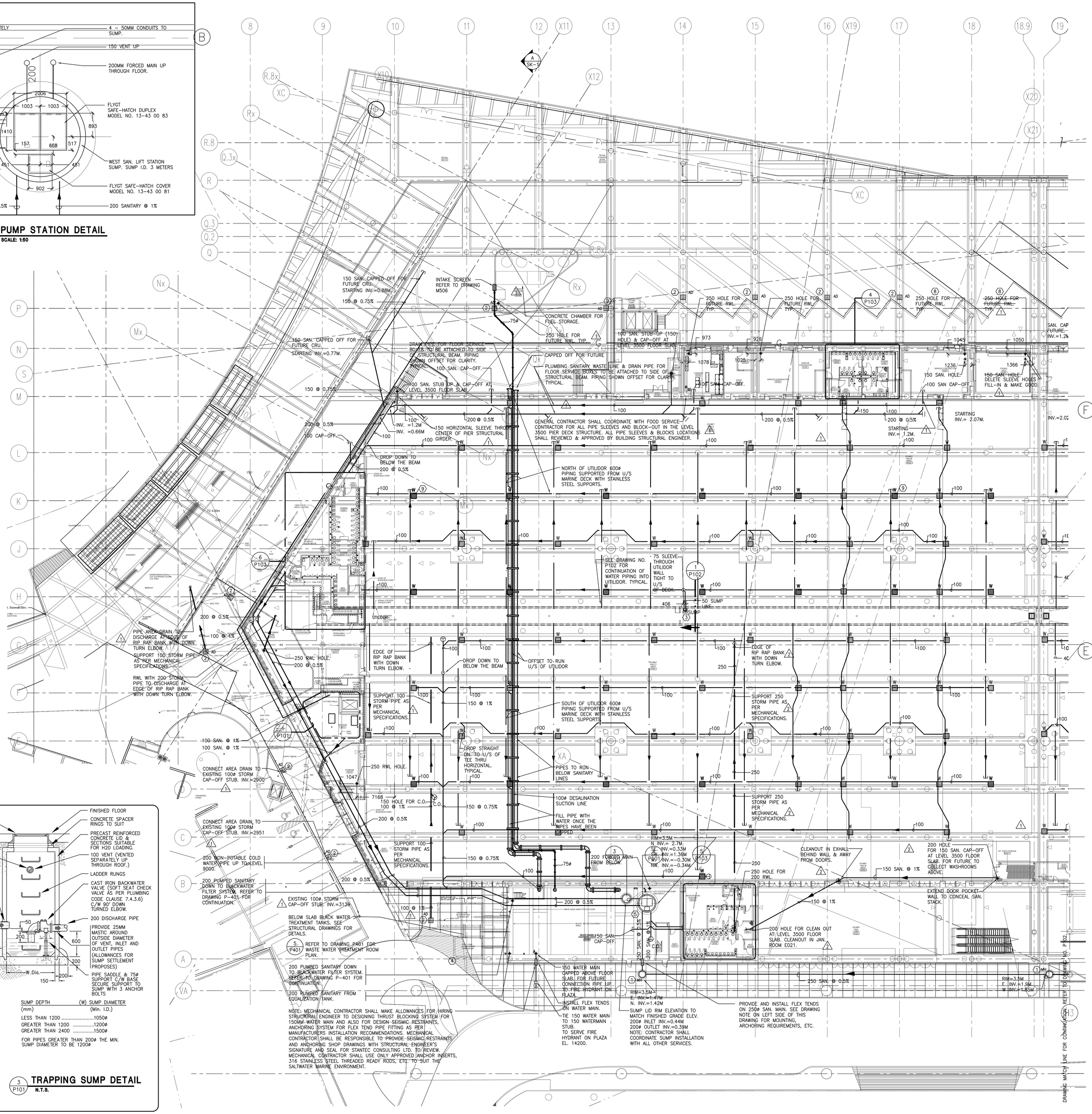


4 P101 **PUMP STATION DETAIL**
SCALE: 1:50



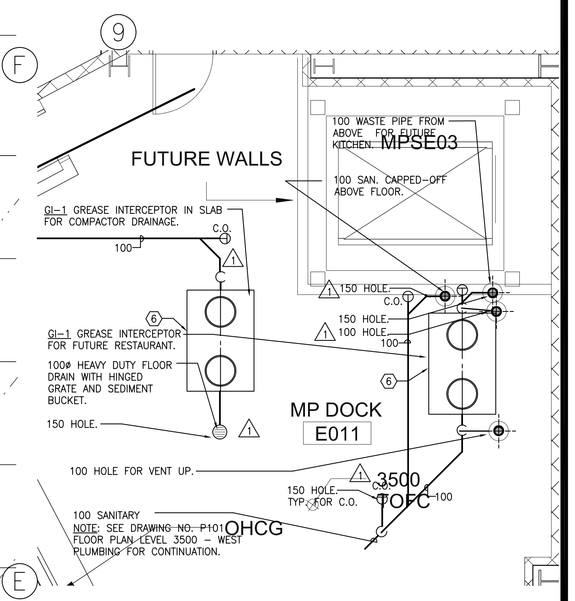
FLOOR PLAN EL 3500
SCALE: 1:250

DRAWING NOTES:

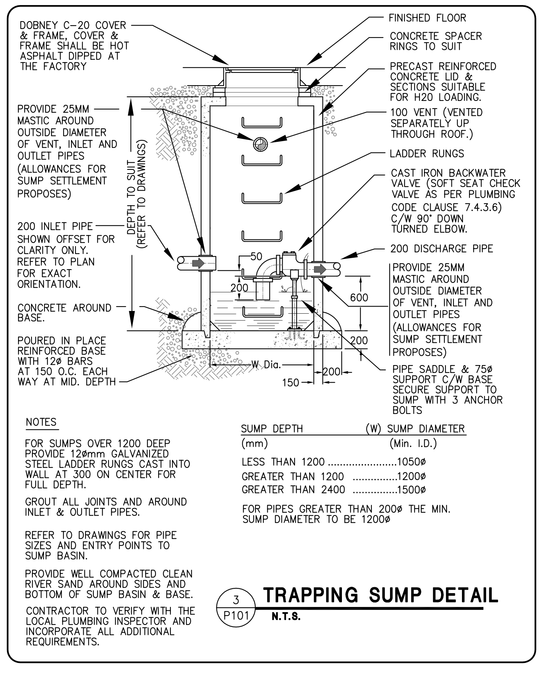
1. MH MANHOLE. REFER TO DETAIL NO. 2 ON DRAWING NO. P101.
2. AD AREA DRAIN WITH OIL/SEDIMENT INTERCEPTOR. SEE STRUCTURAL DRAWINGS FOR DRAIN MOUNTING INTO STRUCTURE.
3. SUMP PIT AND PUMP IN UTILIDOR.
4. FLOOR SERVICE BOXES DRAINAGE SYSTEM SUMP.
5. SAN. LIFT STATION AND SUMP PIT. REFER TO MECH. SPEC.'S (FUTURE)
6. GREASE INTERCEPTOR C/W VENTS AND CLEANOUTS.
7. OIL INTERCEPTOR C/W VENTS AND CLEANOUTS.
8. REFER TO STRUCTURAL DRAWINGS FOR ALL HOLES THROUGH SLAB. (TYPICAL.) CORE DRILL ALL ADDITIONAL HOLES AS REQUIRED FOR THE WORK UNDER THE DIRECTION OF THE STRUCTURE ENGINEER.
9. REFER TO ELECTRICAL & ARCHITECTURAL DRAWINGS FOR EXACT LOCATION ALL FLOOR SERVICE BOXES.

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
W	DENOTES ONE 75MM DIA. DRAINAGE PIPE CAP-OFF AT EACH PLUMBING FLOOR SERVICE BOX PROVIDE AND INSTALL 900MM VERTICAL LENGTH OF 75MM DIA. PIPE, 75MM DIA. HORIZONTAL BRANCH PIPE SECTION AND CONNECT TO HORIZONTAL PIPE MAIN RUNNING PARALLEL TO MARINE STRUCTURAL GIRDER.
AD	DENOTES AREA DRAIN.
MH	TYPICAL MANHOLE.
	CLEANOUT BELOW SLAB.
	CLEANOUT TO GRADE.
	HORIZONTAL SLEEVE THROUGH VERTICAL STRUCTURAL WALL.
	WATER SERVICE IN SLAB TO FLOOR PORTS.
	SANITARY WASTE PIPING OR FLOOR PORTS DRAINAGE PIPE.
	SANITARY VENT PIPING.
	STORM PIPE.



1 P101 **PART PLAN**
SCALE: 1:50



NOTES

FOR SUMPS OVER 1200 DEEP PROVIDE 12ø mm GALVANIZED STEEL LADDER RUNGS CAST INTO WALL AT 300 ON CENTER FOR FULL DEPTH.

GROUT ALL JOINTS AND AROUND INLET & OUTLET PIPES.

REFER TO DRAWINGS FOR PIPE SIZES AND ENTRY POINTS TO SUMP BASIN.

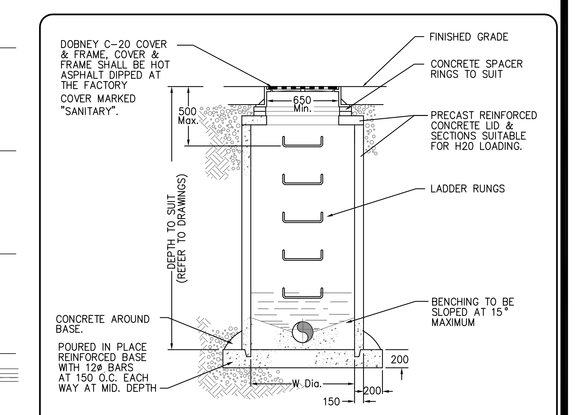
PROVIDE WELL COMPACTED CLEAN RIVER SAND AROUND SIDES AND BOTTOM OF SUMP BASIN & BASE.

CONTRACTOR TO VERIFY WITH THE LOCAL PLUMBING INSPECTOR AND INCORPORATE ALL ADDITIONAL REQUIREMENTS.

SUMP DEPTH (mm)	(W) SUMP DIAMETER (Min. I.D.)
LESS THAN 1200	1050ø
GREATER THAN 1200	1200ø
GREATER THAN 2400	1500ø

FOR PIPES GREATER THAN 200ø THE MIN. SUMP DIAMETER TO BE 1200ø

3 P101 **TRAPPING SUMP DETAIL**
N.T.S.



NOTES

FOR MANHOLES OVER 1200 DEEP PROVIDE 12ø mm GALVANIZED STEEL LADDER RUNGS CAST INTO WALL AT 300 ON CENTER FOR FULL DEPTH

GROUT ALL JOINTS AND AROUND INLET & OUTLET PIPES

REFER TO DRAWINGS FOR PIPE SIZES AND ENTRY POINTS TO MANHOLES.

PROVIDE WELL COMPACTED CLEAN RIVER SAND AROUND SIDES AND BOTTOM OF MANHOLE BASE.

CONTRACTOR TO VERIFY WITH THE LOCAL PLUMBING INSPECTOR AND INCORPORATE ALL ADDITIONAL REQUIREMENTS.

PIPE DIAMETER (mm)	(W) MANHOLE DIAMETER (Min. I.D.)
LESS THAN 475ø	1500ø

2 P101 **MANHOLE DETAIL**
N.T.S.

Vancouver Convention Centre Expansion Project

Vancouver, BC

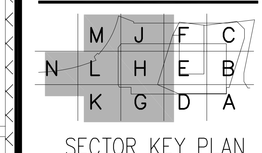
VCCEP Ltd.
19th Floor
999 W. Hastings Street
Vancouver BC
Canada V6C 2W2

DA / MCM + LMN
Downs / Archambault & Partners
200 1014 Homer Street
Vancouver BC
Canada V6B 2W9

Musson Cattell Mackey Partnership
1600 - Two Bentall Centre
555 Burrard Street Box 264
Vancouver BC
Canada V7X 1M9

LMN Architects
801 Second Avenue Suite 501
Seattle Washington 98104

Stantec
116–930 West First St.
North Vancouver B.C.
V7P 3N4
Tel. 604–986–5336
Fax. 604–980–3747
www.stantec.com



SECTOR KEY PLAN

NO	DATE	BY	DESCRIPTION
	MAR 25, 2009	RAA	FINAL DESIGN DRAWING
2	22/09/06		GENERAL PLUMBING REVISIONS.
1	01/09/06		GENERAL PLUMBING REVISIONS.
–	10/08/06		FOR WEST MARINE U/S DECK PLUMBING SERVICES C-250.
–	30/06/06		ISSUED FOR CONSTRUCTION.
–	04/04/05		ISSUED FOR UNDERSLAB PLUMBING WORK.
–	31/03/05		ISSUED FOR TENDER C-292 FOUNDATION CONCRETE WORK.
–	11/03/05		ISSUED FOR SLEEVING INFO.

REVISIONS

MARCH 25, 2009

FOR FINAL DESIGN DRAWING

TITLE
FLOOR PLAN- LEVEL 3500 - WEST

PLUMBING

DESIGNED	P.H.
DRAWN	H.W.
CHECKED	B.Mc
DATE	APRIL–04
CADD FILE	P–201LVL3500
JOB NUMBER	1580–01

P101