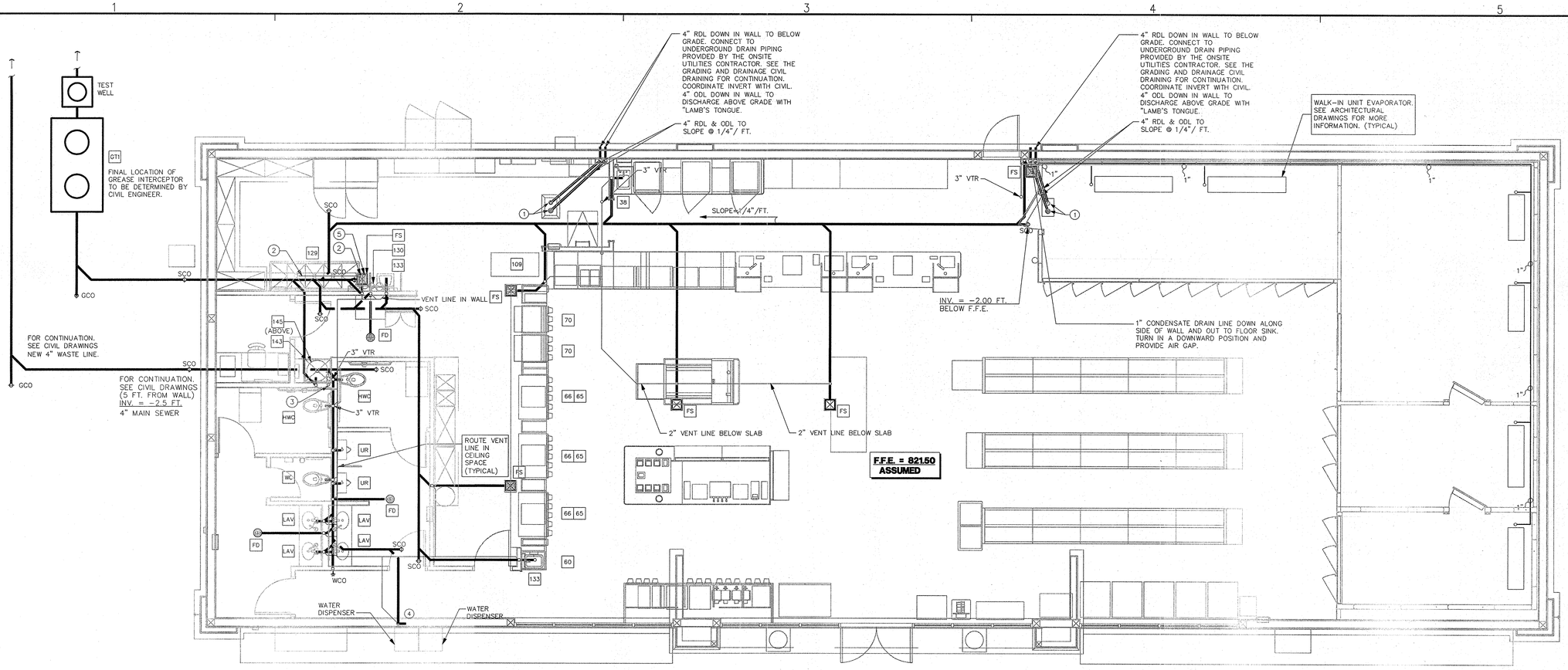

P1	SANITARY WASTER AND VENT FLOOR PLAN
1/4"=1'-0"	

GENERAL NOTES

A. PROVIDE HEAT TAPE ON ROOF DRAIN AND OVERFLOW DRAINS AND CONDENSATE DRAIN LINE PIPING LOCATED IN FREEZER.

B. PROVIDE CLEAN-OUTS ON ALL HORIZONTAL DRAINS. CLEAN-OUTS CAN BE OMITTED ON DRAIN LINES LESS WHICH ARE LESS THAN 5'-0" UNLESS IT SERVES A SINK OR URINAL.

C. SLOPE ALL SEWER AND WASTE LINES @ 1/4" PER FOOT.

D. AVOID COLUMNS AND WALL FOOTING FOUNDATION.

E. REFER TO WASTE AND VENT SCHEMATIC ON SHEET P3.0 FOR WASTE AND VENT PIPE SIZING.

F. ROOF DRAINS AND OVERFLOW DRAINS WERE SIZED BASED ON 4.6" RAINFALL PER HOUR AND REFER TO SHEET ARCHITECTURAL SHEETS FOR ROOF DRAIN AND OVERFLOW DRAIN DETAIL.

G. UNDERGROUND SEWER LINE TO AVOID COLUMN FOOTING.

KEYED NOTES

1. 4" RD & OFD - 2,250 SF. SLOPE HORIZONTAL ROOF DRAIN AND OVERFLOW DRAIN LEADERS @ 1/4" PER FT. SEE ROOF DRAIN DETAILS A1 & A3/A5.0.
2. PROVIDE INDIRECT DRAIN TO FLOOR SINK FROM EACH SINK. PROVIDE FLOW CONTROL DEVICE FOR EACH DRAIN LINE.
3. FULL SIZE WATER HEATER T&P RELIEF DRAIN LINE TO DISCHARGE INTO MOP SINK. TURN IN A DOWNWARD POSITION AND PROVIDE APPROVED AIR BREAK.
4. PROVIDE HUB DRAIN IN WALL WITH ACCESS PANEL FOR WATER DISPENSER INDIRECT DRAIN.
5. ROUTE FLOOR SINK SERVING 3-COMPARTMENT SINK TO GREASE TRAP.

ROOF DRAIN CALCULATIONS

DRAINAGE AREA PER ROOF DRAIN = 2,150 SQ. FT.
100 YEAR RAIN FALL RATE = 4.2" PER HOUR
HORIZONTAL STORM DRAIN PIPING SLOPE = 1/4" PER FT. PER APPENDIX B OF THE 2012 I.P.C.
HORIZONTAL PIPING = 4"

GreenbergFarrow

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ISSUE/REVISION RECORD

DATE	DESCRIPTION
02/28/2014	BID/PERMIT SET

PROFESSIONAL SEAL

STATE OF TEXAS
JAMES NICHOLAS LEDYARD
108394
LICENSED PROFESSIONAL ENGINEER
FEB 28 2014

COA# - F-4380

PROFESSIONAL IN CHARGE
JAMES LEDYARD

PROJECT MANAGER
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JAMES LEDYARD

DRAWN BY
DARCY HASBERRY

PROJECT NAME

CIRCLE K STORES, INC.

PFLUGERVILLE TEXAS

SEC WEST PECAN ST. & SARAH'S CREEK DR. PFLUGERVILLE, TX

CIRCLE K STORES INC.

PROJECT NUMBER
20140041.5

SHEET TITLE
SANITARY WASTE & VENT FLOOR PLAN

SHEET NUMBER
P2.0

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