



NO	DATE	REMARKS

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Food Lion is an ARBOLD DELHAIZE company.

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REMODEL
STORE #2839
860 PARRIS ISLAND GTWY
BEAUFORT, SC 29906

PROJECT NO: 2021.1218
DATE: 7/5/22

32 OF 54
P1.01

SANITARY SEWER AND DRAIN PLAN

CHECKED: DAK DRAWN: AE

PLUMBING LEGEND

□	- NEW CLEAN OUT FLUSH WITH FINISH FLOOR	◻	- REFRIGERATION EVAPORATORS
○	- EXISTING CLEAN OUT	—	- CONNECT TO EXISTING
■	- NEW FLOOR SINK	AFT	- ABOVE FINISH FLOOR
⊖	- EXISTING FLOOR SINK	(E)	- EXISTING
⊖	- NEW FLOOR DRAIN	---	- NEW CONDENSATE DRAIN LINES
⊖	- EXISTING FLOOR DRAIN	---	- NEW VENT LINES
⊖	- WALL CLEAN OUT (WCO)	---	- NEW SANITARY SEWER LINES
⊖	- NEW HUB DRAIN WITH 4x3 BELL REDUCER	---	- GREASE WASTE EXISTING
⊖	- EXISTING HUB DRAIN TO REMAIN EXISTING	---	- EXISTING WASTE LINE
⊖	- HUB DRAIN TO BE REMOVED	---	- EXISTING VENT LINE
⊖	- VENT THROUGH ROOF	---	- NO DRAIN WORK
⊖	- EXISTING VENT THROUGH ROOF		
---	- EXISTING LINE CAPPED OFF		
---	- TRENCH DRAIN		

GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO COMPLY WITH STATE AND LOCAL PLUMBING CODES AND VERIFY THE ACCEPTABILITY OF SINKS, DRAINS, AND RELATED ITEMS AND REQUIRED ITEMS INCLUDED, BUT NOT LIMITED TO, GREASE INTERCEPTORS, BACKFLOW PREVENTERS.
 - PLUMBING CONTRACTOR SHALL SUPPLY AND INSTALL ANY ADDITIONAL FIXTURES FOR CODE COMPLIANCE SUCH AS GREASE INTERCEPTORS, BACKFLOW PREVENTERS, ETC.
 - PLUMBING CONTRACTOR SHALL PROVIDE ALL VISIBLE HUB DRAINS WITH RECESSED "SNAP-IN" HUB SCREENS. NO "SNAP-IN" HUB SCREENS ARE REQUIRED FOR HUB DRAINS UNDER CASES. ORDER DRAIN COVER FROM PLASTIC COOITIES 1-800-438-5327, PART NO. PSI-310
 - REFRIGERATION CONTRACTOR IS RESPONSIBLE FOR RUNNING PVC DRAIN LINES FROM DRAINS ON CASES TO THEIR RESPECTIVE HUB DRAINS. (REMODELS & OPERATIONAL TAKEOVERS)
 - ALL SANITARY WASTE AND VENT PIPING SHALL BE NO-HUB ASSEMBLY, CAST IRON WITH STAINLESS STEEL BANDS OR PVC - SCHEDULE 40 ASTM-2865
- QUALITY CONTROL NOTES:**
- GENERAL CONTRACTOR TO ENSURE:
 - CLEAN OUT COVERS AND TILE RINGS TO BE FLUSH WITH FINISH FLOOR TILE.
 - NO FLOOR CLEANOUTS SHALL BE LOCATED IN AREAS WITH ACRYLIC RESIN FLOOR WHERE POSSIBLE. SEE SHEET A1.05.
 - SEE SHEET P6.01 FOR HUB DRAIN INSTALLATION DETAILS
 - PLUMBING CONTRACTOR SHALL COORDINATE FLOOR DRAIN LOCATIONS WITH GENERAL CONTRACTOR AND SHEET A1.02.
 - PLUMBING CONTRACTOR TO VERIFY THAT ALL SANITARY DRAINS AND HUB DRAINS ARE CLEAR OF DEBRIS. HUB DRAINS ARE TO BE TEMPORARILY SEALED WITH PVC PLUG UNTIL A CASE IS INSTALLED OR CONDENSATE IS FLOWING.
 - ALL SANITARY TEES SHALL BE COMBINATION TEES.
 - DIMENSIONS ARE SHOWN FROM INTERIOR SURFACE OF EXTERIOR BUILDING WALLS OR COLUMN CENTER LINE, UNLESS OTHERWISE INDICATED. DIMENSIONS SHALL BE MAINTAINED WITHIN ONE INCH AS INDICATED ON PLANS.
 - PROVIDE 2" FLOOR DRAIN IF DOMESTIC WATER AND FIRE RISER REDUCED-PRESSURE ZONE ASSEMBLY BACKFLOW PREVENTERS ARE REQUIRED BY LOCAL WATER PROVIDER OR AUTHORITY-HAVING JURISDICTION. 2" FLOOR DRAIN IF DOUBLE CHECK ASSEMBLY TYPE BACKFLOW PREVENTER IS REQUIRED.
 - HVAC CONDENSATE PIPING SHOWN ON THIS PLUMBING DRAWING FOR ROUTING PURPOSES.
 - V.T.R.'S SHALL BE A MINIMUM OF 10'-0" FROM ANY FRESH AIR INTAKE. COORDINATE AS REQUIRED WITH MECHANICAL CONTRACTOR AND MECHANICAL PLAN.
 - P-18 SHALL BE USED WHEN BASKET STRAINER IS REQUIRED BY CODE.
 - PLUMBING CONTRACTOR TO CAP OFF EXISTING DRAINS, CLEANOUTS, ETC. AND ABANDONED SEWER LINES THAT CAN NOT BE REUSED. REPAIR FLOOR AS REQUIRED.
 - PLUMBING CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EXISTING DRAINS AND SANITARY SEWER LINES. PLUMBING CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE DELHAIZE CONSTRUCTION SUPERVISOR.
 - WHERE EXISTING CLEANOUTS OCCUR UNDER CASEWORK, RELOCATE AS REQUIRED.
 - PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR:
 - INSTALLING/RELOCATING HUB DRAINS (4" BELL HUBS ARE REQUIRED WHERE TWO CASES SHARE ONE CONDENSATE HUB IN THE FLOOR FOR EXISTING CASES. 4" BELL HUBS REQUIRED WHERE CASES ARE NEW OR RELOCATED). ALL EXPOSED HUBS SHALL BE 4" BELL TYPE WITH PVC SCREEN INSERTS (NO MORE THAN TWO CASES CAN BE PIPED TO ONE HUB). PLUMBING CONTRACTOR WILL BE REQUIRED TO INSTALL HUBS AS NOTED ON THE PLANS AND SHALL NOT COMBINE HUBS IN AREAS OF NEW WORK.
 - VERIFYING ALL HUB DRAIN PLACEMENTS WITH THE DRAWINGS, CASE MANUFACTURER SPECS, AND THE CONSTRUCTION SUPERVISOR. IF THIS IS NOT DONE, ALL ASSOCIATED COST WILL BE THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR. ALL HUB DRAINS SHALL EXTEND ABOVE FINISHED FLOOR USING A 4" HUB BELL. (SEE HUB DRAIN DETAIL #5 ON SHEET P6.01)
 - HOOKING UP ALL PRODUCE & DAIRY CASE WATER QUICK CONNECTS.
 - REFRIGERATION CONTRACTOR TO INSTALL CASE DRAINS. CASE DRAINS TO BE CUT ON A 45° ANGLE WITH AN APPROPRIATE AIR GAP AS DICTATED BY THE LOCAL JURISDICTION. CASE DRAINS SHALL NOT BE VISIBLE OUTSIDE OF THE KICK PLATES. PLUMBING CONTRACTOR TO INSTALL/RELOCATE HUB DRAINS, EVAPORATOR COIL CONDENSATE DRAINS. EACH CASE WILL BE PIPED TO ITS OWN CONDENSATE HUB. THE REFRIGERATION CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING PERMITS & FINAL INSPECTIONS FOR THEIR WORK.
 - PLUMBING CONTRACTOR SHALL ADJUST EXISTING FLOOR CLEANOUT COVERS TO BE FLUSH AND LEVEL WITH THE NEW FINISHED FLOOR. SEE BID NOTES FOR QUANTITY. NO STAINLESS STEEL COVER PLATES WILL BE ALLOWED. IF THE EXISTING CLEANOUT COVER IS OF THE ADJUSTABLE TYPE, THE CONTRACTOR SHALL RAISE OR LOWER THE COVER TO MATCH THE NEW FINISHED FLOOR ELEVATION. LEVELING SHALL BE ACCOMPLISHED BY CORE DRILLING OR SAWCUTTING SUFFICIENT CONCRETE TO ACCESS THE LINE. PLUMB AND LEVEL THE COVER. REPLACE ANY DAMAGED CLEANOUT COVERS. IF THE EXISTING CLEANOUT COVER IS NOT OF THE ADJUSTABLE TYPE, THE CONTRACTOR SHALL CORE DRILL AROUND ROUND CLEANOUT COVERS OR SAWCUT AROUND RECTANGULAR COVERS TO ACCESS THE LINE. REPLACE THE CLEANOUT WITH AN ADJUSTABLE CLEANOUT AS SPECIFIED (SIOUX CHIEF 834-4PWS). VERIFY COMPATIBILITY WITH DRAIN LINES. REPLACEMENT CONCRETE WHERE CONCRETE HAS BEEN REMOVED TO ACCOMPLISH THE WORK SHALL BE MINIMUM 3000 PSI.
 - THE REFRIGERATION CONTRACTOR CAN THE DRAINS FROM ADJACENT CASES INTO THE SAME HUB DRAIN ABOVE SLAB. TWO CASE MAXIMUM PER HUB DRAIN.
 - PLUMBING CONTRACTOR TO RINSE COPPER DRAIN LINE FOR WALK-IN EVAPORATOR COILS.
 - FOR NEW AND RELOCATED TOILETS, INSURE THAT THE PROPER SIZED WAX RING AND IF NEEDED, TOILET FLANGE ADAPTOR ARE USED ALLOWING FOR BOTH A WATER TIGHT AND AIR TIGHT SEAL AT TOILET FLANGE CONNECTION.
 - SEAL JOINTS BETWEEN FIXTURES AND WALLS, FLOORS, AND COUNTERTOPS USING SANITARY-TYPE ONE PART, MILDEW-RESISTANT SILICONE SEALANT. MATCH SEALANT TO FIXTURE COLOR. REFER TO SPECIFICATIONS.

WASTE AND VENT KEY NOTES

- EXISTING CONDENSATE DRAINS FROM EVAPORATORS TO REMAIN.
- NEW CONDENSATE LINES AT NEW EVAPORATOR. SEE CONDENSATE DETAIL AND NOTES ON SHEET P6.01.
- EXTEND NEW 3" WASTE LINE TO NEW HUB DRAINS AS SHOWN. VERIFY LOCATION WITH OWNER PRIOR TO CONSTRUCTION. REPAIR FLOOR TO MATCH EXISTING. SEE DETAIL ON SHEET P6.01.
- INSTALL NEW EYE WASH (P-33). SEE DETAIL #7 ON SHEET P6.01.
- INSTALL NEW 1-COMPARTMENT SEA FOOD PREP SINK (P-26) AS INDICATED. EXTEND 3" INDIRECT DRAIN TO NEW FLOOR SINK. PROVIDE PROPER AIR GAP. SEE DETAIL #5 ON SHEET P6.01. REPAIR WALL TO MATCH EXISTING.
- INSTALL NEW FLOOR SINK (P-23) UNDER THE NEW 1-COMP SINK AT THE SEA FOOD PREP AREA AS INDICATED. EXTEND 3" WASTE LINE AND CONNECT TO EXISTING SANITARY LINE. REPAIR FLOOR TO MATCH EXISTING.
- THE DRAIN FOR THIS CASE INTO HUB DRAIN OF A SIMILAR ADJACENT CASE ABOVE SLAB.
- INSTALL NEW HIGH/LOW DRINKING FOUNTAIN (P-4) AS INDICATED. EXTEND 1/2" WASTE LINE TO NEW DRINKING FOUNTAIN AS INDICATED.

NOTE

PER THE HEALTH DEPARTMENT, ALL NEW SINKS AND DRAINS NEED AIR GAP OR VACUUM AIR BREAKER TO PREVENT ANY BACK FLOW CONTAMINATION. REFER TO SHEET P6.01 DETAIL 5 FOR MORE INFORMATION.

DRAIN REPORT REPAIRS

THE FOLLOWING ITEMS HAVE BEEN NOTED AS DELHAIZE REQUIRED REPAIRS AS INDICATED ON THE CRESCENT CONSTRUCTION SERVICES, LLC DRAIN REPORT AND ALL COST INVOLVED WITH MAKING THE REPAIRS SHALL BE INCLUDED IN THE PLUMBING CONTRACTOR'S SCOPE OF WORK FOR THIS PROJECT:

D-14 CO3 LINE - FRACTURE AT 28'.
LOCATION: INSIDE / SALES
ISSUE IS LOCATED 100" RIGHT OF RIGHT SALES WALL AND 6" OFF REAR SALES WALL. LINE IS APPROXIMATELY 17" DEEP. CO3 LINE FRACTURE SHOULD BE REPAIRED.

D-15 CO5 LINE - BLOCKAGE
LOCATION: OUTSIDE / FRONT STORE RIGHT
BLOCKAGE LOCATED ON FRONT RIGHT SIDEWALK, IN CLEANOUT RISER. REMOVE BLOCKAGE. CRESCENT TO INSPECT LINE AFTER BLOCKAGE HAS BEEN REMOVED.

D-16 DELI CLEANOUT INACCESSIBLE
LOCATION: INSIDE / DELI BAKERY
ISSUE DELI/BAKERY CLEANOUT INACCESSIBLE. CLEANOUT SHOULD BE MADE ACCESSIBLE FOR FULL INSPECTION.

D-17 CO7 LINE - JOINT OFFSET AT 126' AND 128'.
LOCATION: INSIDE / DELI BAKERY FRONT
ISSUE IS LOCATED 40" OFF DELI FRONT WALL AND 19"3" LEFT OF DELI RIGHT WALL. LINE PIPES JOINT SHOULD BE REPAIRED.

D-18 CO8 LINE - GREASE INTERCEPTOR OUTLET CLEANOUT
LOCATION: OUTSIDE / FRONT STORE RIGHT
CO8 LOCKING PLUG PRIOR TO ARRIVAL.
4" INSTALL.

2018 INTERNATIONAL PLUMBING CODE

TABLE 709.2
DRAINAGE FIXTURE UNITS FOR FIXTURE DRAINS OR TRAPS

FIXTURE DRAIN OR TRAP SIZE (inches)	DRAINAGE FIXTURE UNIT VALUE
1 1/2"	2
2"	3
3"	6
4"	12
6"	24

NOTE: 1 unit = 1.5 GPM.

709.3 Combinations of open flow to other values.
Where discharges to a waste receptor or to a drainage system are only known in gallons per minute (liters per second) values, the drainage fixture unit values for those flows shall be computed on the basis that 1 gpm (0.06 L/s) of flow is equivalent to two drainage fixture units.

