NOTE:
THE NEAREST EXISTING FIRE HYDRANT IS LOCATED APPROXIMATELY 300 FEET IN PERSIMMON MARKET DEVELOPMENT.

CURVE INFORMATION

PI	491+36.06
PC	485+64.28
PT	495+94.68
Δ	61°49'26.1" (LT)
D	6°00'00.0"
L	1,030.40'
T	571.78'
R	954.93'
S	4%

0 20 40 80
SCALE: 1"=40'

UTILITY PLAN

GENERAL NOTES

1. REFER TO SHEET C2 FOR DIMENSIONS AND IDENTIFICATION OF PROPOSED IMPROVEMENTS.
2. REFER TO SHEET C3 FOR GRADING, DRAINAGE AND EROSION CONTROL.
3. REFER TO SHEET L1 FOR LANDSCAPE MATERIALS.
4. ALL UTILITIES WILL BE LOCATED UNDERGROUND.
5. ALL EXISTING UNDERGROUND IMPROVEMENTS SHALL REMAIN UNLESS NOTED OTHERWISE.
6. THE EXISTING UTILITIES SHOWN HEREON ARE FROM INFORMATION PROVIDED BY UTILITY COMPANIES AND MUST BE CONSIDERED AS APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATIONS PRIOR TO COMMENCING WORK.
7. BACKFILL ALL UTILITY TRENCHES UNDER PAVEMENT WITH GRANULAR MATERIAL. SEE DETAIL SHEET C12.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING TOPS AND FLOWLINES OF ALL EXISTING SEWERS PRIOR TO COMMENCING WORK.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND/OR ABANDONMENT OF ALL EXISTING UTILITY SERVICES (INCLUDING UTILITY COMPANY FEES)
10. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF EXIT PORCHES, RAMPS, PATIOS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
11. THE CONTRACTOR SHALL SAWCUT ALL EDGES OF EXISTING PAVEMENT THAT IS TO BE REMOVED. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO CREATE A SMOOTH WORKING EDGE AND TO PLACE BACKFILL AND PAVEMENT SUCH THAT SETTLEMENT DOES NOT OCCUR.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND CONNECTING ALL UTILITIES (INCLUDING, BUT NOT LIMITED TO POWER, CABLE TV, TELEPHONE, WATER, SEWER, GAS, SANITARY LATERALS, ETC.) FROM LOCAL UTILITY COMPANY SOURCE TO BUILDING.
13. ALL MATERIALS AND WORKMANSHIP ASSOCIATED WITH THE STORM SEWER CONSTRUCTION SHALL CONFORM TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF O'FALLON AND MISSOURI DEPT. OF TRANSPORTATION.
14. ALL MATERIALS AND WORKMANSHIP ASSOCIATED WITH THE ELECTRIC CONSTRUCTION SHALL COMPLY WITH THE LATEST STANDARDS AND SPECIFICATIONS OF AMEREN UE. ALL NEW ELECTRIC UTILITIES WILL BE LOCATED UNDER GROUND.
15. ALL MATERIALS AND WORKMANSHIP ASSOCIATED WITH THE TELEPHONE SERVICE CONSTRUCTION SHALL COMPLY WITH THE LATEST STANDARDS AND SPECIFICATIONS OF SOUTHWESTERN BELL TELEPHONE.
16. ALL MATERIALS AND WORKMANSHIP ASSOCIATED WITH THE NATURAL GAS SERVICE CONSTRUCTION SHALL COMPLY WITH THE LATEST STANDARDS AND SPECIFICATIONS OF LACLEDE GAS. CONTRACTOR TO COORDINATE LAYOUT AND RUN WITH GAS COMPANY.
17. ALL MATERIALS AND WORKMANSHIP ASSOCIATED WITH THE SANITARY SEWER CONSTRUCTION SHALL COMPLY WITH THE LATEST STANDARDS AND SPECIFICATIONS OF DUCKETT CREEK SEWER DISTRICT.
18. ALL MATERIALS AND WORKMANSHIP ASSOCIATED WITH THE WATER SERVICE CONSTRUCTION SHALL COMPLY WITH THE LATEST STANDARDS AND SPECIFICATIONS OF PUBLIC WATER SUPPLY DISTRICT #2.
19. BRICK SHALL NOT BE USED IN THE CONSTRUCTION OF STORM OR SANITARY SEWER STRUCTURES.
20. ALL JOINTS SHALL BE GASKETED O-RING TYPE.
21. ALL SANITARY SEWER LINES & WATERMAINS SHALL HAVE A MINIMUM OF 42" OF COVER.
22. PROVIDE 20' OF DUCTILE IRON PIPE (X"DIA) WHERE SANITARY SEWER CROSSES NEW STORM SEWER.
23. A CONCRETE CRADLE FOR ROC AND ENCASEMENT FOR HDPE WILL BE REQUIRED FOR ALL STORM SEWERS WHEN CROSSING MORE THAN THREE (3) FEET ABOVE SANITARY SEWER LINES.
24. ALL DROP STRUCTURES SHALL BE BACKFILLED WITH COMPACTED GRANULAR BACKFILL WHERE GROUND IS DISTURBED.

KEYED NOTES

1. NOT USED
2. NOT USED.
3. STORM SEWER. REFER TO SEWER PROFILES FOR ADDITIONAL INFORMATION.
4. PRIMARY UNDERGROUND ELECTRIC SERVICE. AMEREN UE TO PROVIDE AND PULL CONDUCTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTION.
5. NOT USED.
6. TRANSFORMER. AMEREN UE TO PROVIDE AND INSTALL THE TRANSFORMER AND CONCRETE PAD (5'-6"x6'-2"). CONTRACTOR TO PROVIDE A BASE OF GRANULAR MATERIAL OVER COMPACTED BACKFILL.
7. (2) 4" PVC CONDUIT FOR TELEPHONE SERVICE TO CLOSEST AVAILABLE SOURCE. CONTRACTOR TO BE RESPONSIBLE FOR ALL MATERIAL AND INSTALLATION OF PVC CONDUIT AND PULL STRING.
8. 6" DOMESTIC WATER SERVICE WITH 6" COMPOUND METER PER PWSD #2. VERIFY LOCATION WITH ARCHITECTURAL PLANS.
9. 6" FIRE SERVICE LINE INTO BUILDING. VERIFY LOCATION WITH ARCHITECTURAL PLANS.
10. 24' HIGH FREESTANDING LIGHT FIXTURE. REFER TO DETAIL ON SHEET C
11. 8" PVC SANITARY LATERAL AT 2% MINIMUM SLOPE AND 3' MINIMUM COVER. ALL MATERIAL AND INSTALLATION BY CONTRACTOR. EXTEND LATERAL FIVE (5) FT FROM MAIN FOR FUTURE RESTAURANT AND CAP FOR FUTURE EXTENSION.
12. LATERAL AND CLEANOUT FOR FUTURE BUILDING.
13. SEWER CLEANOUT WITH CAST IRON FRAME AND SOLID TOP. REFER TO DETAIL ON SHEET C16.
14. GREASE AND OIL INTERCEPTOR (1000 GALLON MINIMUM). ALL MATERIAL AND INSTALLATION BY CONTRACTOR. REFER TO DETAIL ON SHEET C10.
15. 6'x 10' ROCK BLANKET PER MoDOT SPECIFICATIONS.
16. 2" WATER SERVICE LINE WITH PLUG FOR FUTURE RESTAURANT.METER TO BE INSTALLED AT LATER DATE
17. 8" WATER SERVICE PER REQUIREMENTS.
18. 6" WATER SERVICE PER REQUIREMENTS.
19. PRIVATE FIRE HYDRANT ASSEMBLY & VALVE PER CITY REQUIREMENTS. SEE DETAIL SHEET C11.
20. CONCRETE BOX CULVERT EXTENSION. SEE DETAIL SHEET C13.
21. CONCRETE LOW FLOW CHANNEL. SEE DETAIL SHEET C11.
22. COUPLING BAND PER MoDot STD. 604.40.
23. 8" PVC SANITARY SEWER.
24. 8"x 6" WYE. CAP WYE TO FUTURE RESTAURANT SITE.
25. 8" WATER VALVE
26. ROOF DRAINS. 8" PVC PIPE WITH 1.00% MINIMUM SLOPE AND 2 FEET OF COVER. SEE DETAIL SHEET C10.
27. DETENTION OUTLET STRUCTURE. SEE DETAIL SHEET C8.
28. AUTOMATIC FIRE SUPPRESSION SYSTEM CONNECTION.
29. UTILITY SCREEN FENCE. VERIFY LOCATION W/MECHANICAL PLANS. SEE DETAIL SHEET C9.

UTILITY CONTACTS

STORM SEWER
CITY OF O'FALLON
100 NORTH MAIN STREET
O'FALLON, MO 63366
(636) 240-5555
CONTACT: FRANK GODWIN

WATER SERVICE
PUBLIC WATER SUPPLY DISTRICT #2
100 WATER DRIVE
O'FALLON, MO 63366
(636) 561-3737 X-120
CONTACT: JEFF BLECKMAN

ELECTRIC SERVICE
AMEREN U.E.
200 CALLAHAN ROAD
WENTZVILLE, MO 63385
(636) 639-8316
(636) 639-8256 FAX
CONTACT: JIM HOVIS

SOUTHWESTERN BELL
402 N. 3RD ST.
GROUND FLOOR
ST. CHARLES, MO 63---
(636) 949-1312
CONTACT: KATHY SMITH

GAS SERVICE
LACLEDE GAS COMPANY
1999 TRADE CENTER DRIVE EAST
ST. PETERS, MO 63376
(636) 978-2663 X-103
CONTACT: MIKE LANGAN

SANITARY SEWER
DUCKETT CREEK SANITARY DISTRICT
3550 HIGHWAY K
ST. CHARLES, MO 63304
(636) 441-1244
CONTACT: BRAD MEYERS

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#	Date:	Description:
1	2/13/04	City of O'Fallon Comments
2	2/13/04	Duckett Creek Sanitary District Comments
3	2/13/04	Cottleville Fire Protection District Comments
4	2/13/04	MoDot Comments
5	2/13/04	Corps of Engineers Comments
6	3/15/04	Duckett Creek Sanitary District Comments
7	3/18/04	Revisions per Architect

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PROJECT:
PERSIMMON POINTE HOTEL DEVELOPMENT

STATE OF MISSOURI
JAMES T. BLECKMAN
NUMBER E-13347
REGISTERED PROFESSIONAL ENGINEER

#4130 HIGHWAY 40-61
O'FALLON, MO

Date:	12-30-03
Design/Drawn:	DB
Approved:	JTB
Book No.:	-

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
C3

SHEET 7 OF 36

Project No.: 299163.12
Planning & Zoning File: #3103.03

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