

DEMOLITION NOTES

- 1. DEMOLITION INCLUDES THE FOLLOWING WITHIN THE PROPERTY LINES:
1.A. DEMOLITION AND REMOVAL OF SITE IMPROVEMENTS.
1.B. DISCONNECTING, CAPPING OR SEALING, AND ABANDONING/REMOVING SITE UTILITIES IN PLACE (WHICHEVER IS APPLICABLE).
2. REMOVE: REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN.
3. REMOVE, REINSTALL, AND RELOCATE: REMOVE ITEMS INDICATED; CLEAN, SERVICE, AND OTHERWISE PREPARE THEM FOR REUSE; STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED.
4. EXISTING TO REMAIN: PROTECT ITEMS INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING DEMOLITION. WHEN PERMITTED BY THE ENGINEER, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING DEMOLITION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS.
5. CONTRACTOR SHALL SCHEDULE DEMOLITION ACTIVITIES WITH THE CONSTRUCTION/PROJECT MANAGER INCLUDING THE FOLLOWING:
5.A. DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES FOR EACH ACTIVITY.
5.B. DATES FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.
5.C. IDENTIFY AND ACCURATELY LOCATE UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL, OR MECHANICAL CONDITIONS.
6. REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
7. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED.
8. OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE ON-SITE.
9. MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS.
9.A. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY ENGINEER AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO GOVERNING AUTHORITIES.
10. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING.
11. UTILITY REQUIREMENTS: LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES SERVING THE SITE.
11.A. ARRANGE TO SHUT OFF AND CAP UTILITIES WITH UTILITY COMPANIES AND FOLLOW THEIR RESPECTIVE UTILITY KILL AND CAP POLICIES.
12. CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA.
12.A. ERECT TEMPORARY PROTECTION, BARRICADES AS PER LOCAL GOVERNING AUTHORITIES.
12.B. PROTECT EXISTING SITE IMPROVEMENTS AND APPURTENANCES TO REMAIN.
13. EXPLOSIVES: USE OF EXPLOSIVES WILL NOT BE PERMITTED.
14. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS.
15. CLEAN ADJACENT BUILDINGS AND IMPROVEMENT OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.
16. DAMAGES: PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS AT THE CONTRACTORS COST.
17. GENERAL: PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE.
18. BURNING: DO NOT BURN DEMOLISHED MATERIALS.
19. CONTRACTOR SHALL REMOVE ALL ASPHALT PAVEMENT, CONCRETE, CURB, STRUCTURES, LANDSCAPING AND LIGHT POLES, ETC. WITHIN THE PROPERTY LINE UNLESS INDICATED OTHERWISE. CONTRACTOR SHALL REFER TO SITE, GRADING, AND UTILITY PLANS PRIOR TO DEMOLITION OPERATIONS.
20. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
20.A. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS.
21. CONTRACTOR TO SAWCUT EXISTING PAVEMENT TO REMAIN PRIOR TO CURB, GUTTER, PAVEMENT, ETC REMOVAL.
22. TREES, ORGANIC DEBRIS, RUBBLE, FOUNDATIONS AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FOR THE SITE AND DISPOSED IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. LANDFILL TICKETS FOR SUCH DISPOSAL SHALL BE MAINTAINED ON FILE BY THE DEVELOPER. BURNING ON SITE SHALL BE ALLOWED ONLY BY PERMIT FROM THE LOCAL FIRE DISTRICT. IF A BURN PIT IS PROPOSED THE LOCATION AND MITIGATION SHALL BE SHOWN ON THE GRADING PLAN AND DOCUMENTED BY THE SOILS ENGINEER.

GENERAL PLAN NOTES

- 1. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION/PROJECT MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.
3. THE A.L.T.A. SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.
4. UPON RECEIPT OF POINT COORDINATE DATA, THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH GIVEN POINTS TO CONFIRM GEOMETRIC DATA AND SUBMIT TO THE ENGINEER PRIOR TO ANY CONSTRUCTION.
5. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLAN ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
6. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON ALTA SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
7. ALL WORK WITHIN THE RIGHTS OF WAY SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION AND SPECIFICATIONS.
8. CONTRACTOR SHALL COORDINATE ANY MAINTENANCE OF TRAFFIC WITH THE OWNER'S REPRESENTATIVE AND MDDOT OR MUTCD, WHICHEVER IS MORE STRINGENT, PRIOR TO CONSTRUCTION.
9. CONTRACTOR SHALL AT ALL TIMES INSURE THAT SWPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE SITE CONSTRUCTION OR LAND ALTERATION. (SEE SHEET C-131).
10. GEOMETRIC POINTS AND COORDINATES FOR TWO (2) BUILDING CORNERS CAN BE PROVIDED TO CONTRACTOR, UPON REQUEST, PRIOR TO CONSTRUCTION. NOTIFY ENGINEER 2 DAYS PRIOR.
11. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL POWER WASH THE PARKING LOT IF NECESSARY.
12. ALL SIGN LOCATIONS AND SIZES MUST BE APPROVED SEPARATELY THROUGH THE PLANNING DIVISION. SEE SHEET C-111 FOR SIGN LOCATIONS.

SITE PLAN NOTES

- 1. ALL DIMENSIONS AND RADII ARE GIVEN TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. ALL EXTERIOR SITE SPECIFIC PORTLAND CONCRETE CEMENT SHALL MEET THE LATEST EDITION OF THE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR CURING AND INSTALLATION. THE MINIMUM P.C.C. ALLOWED IS 3000 P.S.I. AT 28 DAY, WITH AIR ENTRAINMENT MEETING THE DOT REQUIREMENTS. (CONTRACTOR SHALL REFER TO DETAILS WITHIN THIS DRAWING SET FOR ANY VARIATIONS TO THIS SPECIFICATION).
3. ALL EXTERIOR CURB SHALL HAVE EXPANSION JOINTS AT 10'-0" O.C. AND CONTROL JOINTS AT 10'-0" O.C. (UNLESS OTHERWISE SPECIFIED ON THE DETAIL SHEETS) ALL EXTERIOR WALK SHALL HAVE EXPANSION JOINTS AT 20'-0" O.C. AND CONTROL JOINTS @ 5'-0" MAX. O.C. (UNLESS OTHERWISE SPECIFIED ON THE DETAIL SHEETS).
4. ALL CONCRETE SHALL HAVE A MEDIUM TRANSVERSE FINISH.
5. ALL PAVING TO BE IN ACCORDANCE WITH ST. CHARLES COUNTY STANDARDS AND SPECIFICATIONS EXCEPT AS MODIFIED BY THE CITY OF O'FALLON ORDINANCES.
6. ALL PROPOSED SIDEWALKS, CURB RAMPS, AND ACCESSIBLE PARKING SPACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT APPROVED "AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES" (ADAAG), ALONG WITH THE REQUIRED GRADES, CONSTRUCTION MATERIALS, SPECIFICATIONS AND SIGNAGE. IF ANY CONFLICT OCCURS BETWEEN THE ABOVE INFORMATION AND THE PLANS, ADAAG GUIDELINES SHALL TAKE PRECEDENCE AND THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER PRIOR TO ANY CONSTRUCTION. AT LEAST ONE 9'-0" WIDE HANDICAP ACCESS AISLE HAS BEEN PROVIDED AND THE CURB RAMPS DO NOT PROJECT INTO AISLE.

GRADING PLAN NOTES

- 1. BEFORE STARTING GRADING OPERATIONS, SEE SHEET C-131, STORMWATER POLLUTION PREVENTION PLAN NOTES AND DETAILS (SWPP).
2. BEFORE STARTING GRADING OPERATIONS, SEE LANDSCAPE PLAN L-101 AND SOILS REPORT FOR TREATMENT OF EXISTING GRADE.
3. PRIOR TO SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL ALL SWPP MEASURES TO PROTECT EXISTING DRAINAGE FACILITIES. CONTRACTOR SHALL PREVENT SILTATION FROM LEAVING THE SITE AT ALL TIMES.
4. STRIP BUILDING AND PAVEMENT AREAS OF ALL ORGANIC TOPSOILS. STOCKPILE SUITABLE TOPSOILS FOR RESPREADING ONTO LANDSCAPE AREAS. ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. SEE GEOTECHNICAL REPORT FOR STRIPPING AND TOPSOIL REQUIREMENTS.
5. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. UNLESS OTHERWISE SPECIFIED IN THE PLANS, SPECIFICATIONS, OR SOILS REPORT, THE SITE GRADING, EXCAVATION, AND EMBANKMENT SHALL BE IN ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.
6. ALL FILL PLACED UNDER PROPOSED STORM AND SANITARY SEWER, PROPOSED ROADS, AND/OR PAVED AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. ALL FILL PLACED IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS. THE MOISTURE CONTENT OF THE SOIL IN FILL AREAS IS TO CORRESPOND TO THE COMPACTIVE EFFORT AS DEFINED BY THE STANDARD OR MODIFIED PROCTOR TEST. OPTIMUM MOISTURE CONTENT SHALL BE DETERMINED USING THE SAME TEST THAT WAS USED FOR COMPACTION. SOIL COMPACTION CURVES SHALL BE SUBMITTED TO THE CITY OF O'FALLON PRIOR TO THE FILL PROOF ROLLING MAY BE REQUIRED TO VERIFY SOIL STABILITY AT THE DISCRETION OF THE CITY OF O'FALLON.
7. CONTRACTOR MUST SUPPLY CITY CONSTRUCTION INSPECTORS WITH SOIL REPORTS PRIOR TO OR DURING SITE SOIL TESTING. THE SOIL REPORT WILL BE REQUIRED TO CONTAIN THE FOLLOWING INFORMATION ON SOIL TEST CURVES (PROCTOR REPORTS) FOR PROJECTS WITHIN THE CITY: MAXIMUM DRY DENSITY, OPTIMUM MOISTURE CONTENT, MAXIMUM AND MINIMUM ALLOWABLE MOISTURE CONTENT, CURVE MUST BE PLOTTED TO SHOW DENSITY FROM A MINIMUM OF 90% COMPACTION AND ABOVE AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST" (A.S.T.M.-D-1557) OR FROM A MINIMUM OF 95% AS DETERMINED BY THE "STANDARD PROCTOR TEST AASHTO T-99, METHOD C" (A.S.T.M.-D-698). PROCTOR TYPE MUST BE DESIGNATED ON DOCUMENT. CURVE MUST HAVE AT LEAST 5 DENSITY POINTS WITH MOISTURE CONTENT AND SAMPLE LISTED ON DOCUMENT, SPECIFIC GRAVITY, NATURAL MOISTURE CONTENT, LIQUID LIMIT, PLASTIC LIMIT.
8. FOLLOWING GRADING OF SUBSOIL TO SUBGRADE ELEVATIONS THE CONTRACTOR SHALL PLACE TOPSOIL TO A 5" DEPTH IN ALL DISTURBED AREAS WHICH ARE NOT TO BE PAVED. SMOOTHLY FINISH GRADE TO MEET SURROUNDING LAWN AREAS AND ENSURE POSITIVE DRAINAGE. STOCKPILED TOPSOIL SHALL BE SCREENED PRIOR TO RESPREADING. TOPSOIL SHALL BE FREE OF SUBSOIL, DEBRIS, BRUSH AND STONES LARGER THAN 1" IN ANY DIMENSION. ROCK HOUNDING IN PLACE WILL NOT BE PERMITTED. ALL EXCESS TOPSOIL SHALL BE LEGALLY DISPOSED OF OFF SITE.
9. ELEVATIONS GIVEN ARE AT BOTTOM FACE OF CURB AND/OR FINISHED PAVEMENT GRADE UNLESS OTHERWISE SPECIFIED ON GRADING PLAN. ALL PAVEMENT SHALL BE LAID ON A STRAIGHT, EVEN, AND UNIFORM GRADE WITH A MINIMUM OF 1% AND A MAXIMUM OF 5% SLOPE TOWARD THE COLLECTION POINTS UNLESS OTHERWISE SPECIFIED ON THE GRADING PLAN. DO NOT ALLOW NEGATIVE GRADES OR PONDING OF WATER.
10. SLOPE BUILDING SIDEWALK AWAY FROM THE BUILDING WITH A MAXIMUM OF 1/4" PER FOOT (UNLESS OTHERWISE INDICATED ON SHEET C-121).
11. CONTRACTOR SHALL PROVIDE BUTT END JOINT TO MEET EXISTING PAVEMENT IN ELEVATION AT DRIVE RETURNS AND ENSURE POSITIVE DRAINAGE.
12. NO SLOPES SHALL BE STEEPER THAN 3 (HORIZONTAL) TO 1 (VERTICAL).

SWPP NOTES

- 1. SEE SHEET C-131 FOR ALL SWPP MEASURES AND REQUIREMENTS.

UTILITY NOTES

GENERAL UTILITY NOTES

- 1. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES IMMEDIATELY AFTER BID IS AWARDED AND ENSURE THE UTILITY COMPANIES HAVE THE ESSENTIALS REQUIRED FOR COMPLETE SERVICE INSTALLATION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER AND ENGINEER OF ANY TIME FRAMES ESTABLISHED BY UTILITY COMPANIES WHICH WILL NOT MEET OPENING DATE.
2. CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, INVERT ELEVATION, AND CONDITION OF EXISTING UTILITIES WHICH ARE INTENDED TO BE UTILIZED AS A CONNECTION POINT FOR ALL PROPOSED UTILITIES (SEE SHEET C-141). PRIOR TO ANY CONSTRUCTION CONTRACTOR TO ENSURE EXISTING UTILITIES ARE IN GOOD CONDITION AND FREE FLOWING (IF APPLICABLE). IF ELEVATIONS, SIZE, OR LOCATION DIFFER FROM WHAT IS SHOWN ON SHEET C-141, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.
3. ALL UTILITIES WILL BE LOCATED UNDERGROUND.
4. ALL PIPE JOINTS SHALL BE GASKETED O-RING TYPE.
5. CONNECTIONS AT ALL SANITARY OR STORM STRUCTURES TO BE MADE WITH A-LOCK JOINT OR EQUAL.
6. BRICK SHALL NOT BE USED IN THE CONSTRUCTION OF SANITARY OR STORM SEWER STRUCTURES. PRECAST CONCRETE STRUCTURES ARE TO BE USED UNLESS OTHERWISE APPROVED BY THE CITY.

STORM SEWER NOTES

- 1. THE DEVELOPER (PACE PROPERTIES, INC.) PROVIDED THEIR OVERALL DEVELOPMENT PLANS FOR THE UNDERGROUND DETENTION SYSTEM. THE STORM SEWER TIE-IN LOCATION SHOWN ON THESE PLANS WAS BASED ON SAID DEVELOPMENT PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS EXIST PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
2. ALL STORM SEWER PIPE 12" OR GREATER IN DIAMETER SHALL BE CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) N-12WT OR EQUAL. HDPE PIPE SHALL CONFORM TO ASTM F 1417 WATER TIGHT FIELD TEST. STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE PVC, SDR 35, PER ASTM D 3034, AND JOINTS PER ASTM D 3212.

UTILITY NOTES - CONTINUED

STORM SEWER NOTES - CONT.

- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCHING, BACKFILLING, AND PIPE INSTALLATION, PIPE MATERIAL, AND TAP CONNECTION. COORDINATE ALL WORK WITH THE CITY OF O'FALLON ENGINEERING DEPARTMENT, JEANNIE GREENLEE @ 636-379-5557.
4. ALL PROPOSED INLET STRUCTURES SHALL BE ORDERED AND INSTALLED PER THE METROPOLITAN ST. LOUIS SEWER DISTRICT STANDARD CONSTRUCTION SPECIFICATIONS, CURRENT VERSION.

SANITARY SEWER NOTES

- 1. SANITARY SEWER LATERAL INVERT AT BUILDING SHALL BE A MINIMUM OF 42" BELOW FINISH FLOOR.
2. CLEAN-OUTS TO BE INSTALLED AT ALL PIPE BENDS AND ANGLES, UNLESS A MANHOLE IS INDICATED.
3. THE CONTRACTOR SHALL HIRE A LOCAL PLUMBER LICENSED WITH THE LOCAL SANITARY JURISDICTION TO MAKE ALL CONNECTIONS FROM THE BUILDING TO THE EXISTING SEWER. CONTRACTOR SHALL SECURE A SANITARY SEWER CONNECTION PERMIT PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR'S PRICE FOR SANITARY SEWER INSTALLATION SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE LOCAL SANITARY JURISDICTION TO PROVIDE A COMPLETE WORKING SERVICE. COORDINATE ALL WORK WITH THE CITY OF O'FALLON ENGINEERING DEPARTMENT, JEANNIE GREENLEE @ 636-379-5557.
4. ALL SANITARY PIPE MATERIAL SHALL BE 6" PVC, SDR 35 CONFORMING TO ASTM D 3034, WITH JOINTS PER ASTM 3212.
5. CONTACT ALLIANCE WATER & SEWER TO SCHEDULE AN INSPECTION PRIOR TO ANY TAPS BEING MADE AT 636-281-2858.
6. ALL SANITARY LATERALS AND SANITARY MAINS CROSSING UNDER PAVEMENT MUST HAVE THE PROPER ROCK BACKFILL AND REQUIRED COMPACTION.

WATER NOTES

- 1. WATER SERVICE MATERIALS SHALL BE COPPER TYPE "K" UNLESS OTHERWISE NOTED ON PLANS. DIAMETER AS NOTED ON THESE PLANS (SHEET C-141) AND SHALL BE INSTALLED WITH A MINIMUM COVER OF 42" OR BELOW FROST LINE, WHICHEVER IS GREATER.
2. CONSTRUCTION AND MATERIALS PROVIDED BY THE WATER COMPANY. COORDINATE ALL WORK WITH THE CITY OF O'FALLON ENGINEERING DEPARTMENT, JEANNIE GREENLEE @ 636-379-5557.
3. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR. TAP MAIN. FURNISH AND INSTALL METER. FURNISH AND INSTALL COPPER SERVICE LINE FROM METER TO TAP LOCATION. FURNISH AND INSTALL VALVE/VALVE BOX AT PROPERTY LINE OR AS DETERMINED BY WATER COMPANY. ALL TRENCHING AND BACKFILLING. INCLUDE ALL FEES REQUIRED BY WATER COMPANY TO PROVIDE A COMPLETE WORKING SERVICE.
4. CONTRACTOR SHALL PROVIDE 100% IRRIGATION PER CONSTRUCTION/PROJECT MANAGER AND CITY REQUIREMENTS. COORDINATE SLEEVE LOCATIONS WITH THE CONSTRUCTION/PROJECT MANAGER AND IRRIGATION CONSULTANT PRIOR TO PAVEMENT AND CURB INSTALLATION.
5. CONTACT ALLIANCE WATER & SEWER TO SCHEDULE AN INSPECTION PRIOR TO ANY TAPS BEING MADE AT 636-281-2858.

ELECTRICAL NOTES

- 1. SEE SHEET E-141 FOR SITE LIGHTING AND LUMINAIRE DESCRIPTION.
2. SEE ELECTRICAL SHEETS FOR ALL DEDICATED EXTERIOR BUILDING AND SIGN LIGHTING SCHEDULES. ELECTRICAL CONTRACTOR SHALL BALANCE LOADS WHERE REQUIRED.
3. LIGHTING VALUES WILL BE REVIEWED ON SITE PRIOR TO THE FINAL OCCUPANCY INSPECTION. CORRECTIONS WILL HAVE TO BE MADE IF NOT IN COMPLIANCE WITH CITY STANDARDS.
4. ALL PARKING LOT LIGHTING WIRING SHALL BE NO. 10 AWG IN 3/4" PVC DUCT.
5. WHEN INSTALLING VERTICAL SWEEPS FOR UTILITY CONDUITS, CONTRACTOR SHALL USE 4" SCHD. 80 DUCTS.
6. CONSTRUCTION AND MATERIALS PROVIDED BY THE ELECTRIC COMPANY. MAKE APPROPRIATE SECONDARY CONNECTIONS AT TRANSFORMER. FURNISH AND INSTALL METER. PROVIDE POLE MOUNTED TRANSFORMER AND RUN CONDUIT UP POLE. COORDINATE ALL WORK WITH AMEREN UE, ROBERT SCHNELL @ 636-839-8310.
7. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR. ALL TRENCHING AND BACKFILLING. FURNISH AND INSTALL 2-4" PVC SCHEDULE 40 DUCTS FROM BUILDING TO UTILITY POLE. FURNISH AND INSTALL SECONDARY WIRE FROM THE BUILDING TO THE UTILITY POLE. FURNISH AND INSTALL METER BASE AND CT CABINET. FURNISH AND INSTALL 1-4" PVC SCHEDULE 40 DUCT AND WIRE FROM BUILDING TO FUTURE Pylon SIGN LOCATION, AND PROVIDE STUB. COORDINATE WITH OWNER. MAKE APPROPRIATE SECONDARY CONNECTIONS AT BUILDING. INCLUDE ALL FEES REQUIRED BY ELECTRIC COMPANY TO PROVIDE A COMPLETE WORKING SERVICE.

TELEPHONE NOTES

- 1. CONSTRUCTION AND MATERIALS PROVIDED BY THE TELEPHONE COMPANY. BRING SERVICE TO THE PROPERTY LINE. COORDINATE ALL WORK WITH CENTURY TEL. MICHELLE GERTEISEN @ 636-332-7392. MAKE APPROPRIATE CONNECTIONS AT BUILDING.
2. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR. FURNISH AND INSTALL ONE 4" PVC SCHEDULE 40 CONDUIT WITH PULLWIRE FROM THE BUILDING TO THE PROPERTY LINE. ALL TRENCHING AND BACKFILLING. FURNISH AND INSTALL 4'-0" x 4'-0" x 1/2" PLYWOOD BOARD ABOVE SERVICE ENTRANCE WITH INSULATED #6 COPPER WIRE FOR PROPER GROUNDING. IF THE DISTANCE FROM THE PLYWOOD TO THE #6 COPPER WIRE ATTACHED TO THE NEUTRAL SIDE OF THE MAIN DISCONNECT IS GREATER THAN 20 FEET (CONDUIT FEET) AN ADDITIONAL #6 COPPER WIRE SHALL BE ATTACHED TO THE BUILDING GROUND OR WATER PIPE FOR PROTECTION, AND THEN RUN TO THE TELEPHONE BOARD. COORDINATE WITH TELEPHONE COMPANY. INCLUDE ALL FEES REQUIRED BY TELEPHONE COMPANY TO PROVIDE A COMPLETE WORKING SERVICE.
3. CONTRACTOR SHALL COORDINATE THE NUMBER OF LINES REQUIRED WITH THE CONSTRUCTION/PROJECT MANAGER.

NATURAL GAS NOTES

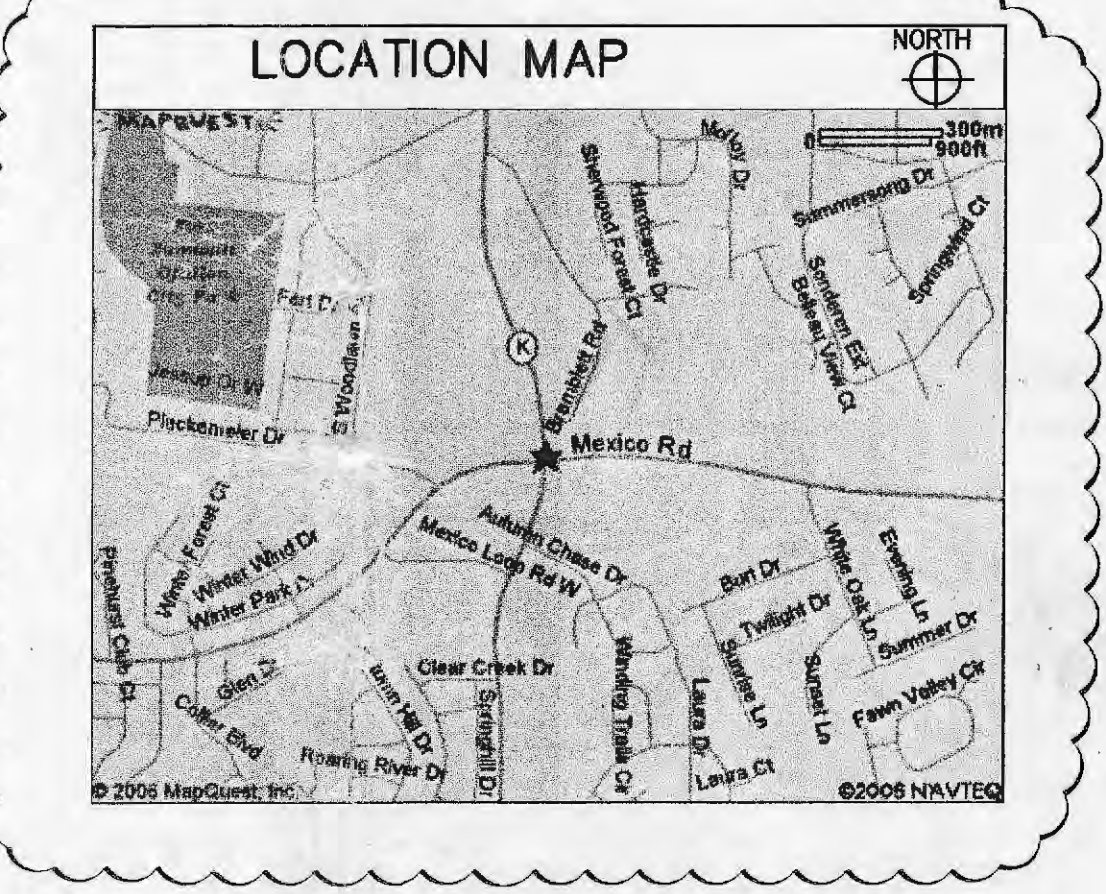
- 1. CONSTRUCTION AND MATERIALS PROVIDED BY THE GAS COMPANY. TAP MAIN. FURNISH AND INSTALL SERVICE FROM TAP TO BUILDING. ALL NECESSARY TRENCHING, BACKFILLING, ROAD CUT, ETC. FURNISH AND INSTALL METER. COORDINATE ALL WORK WITH LACLEDE GAS, MIKE LANGAN @ 636-978-2663.
2. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR. FURNISH AND INSTALL SERVICE FROM METER TO BUILDING AND THROUGHOUT THE BUILDING. CONTRACTOR SHALL INCLUDE ALL FEES REQUIRED BY THE GAS COMPANY TO PROVIDE A COMPLETE WORKING SERVICE.

CABLE NOTES

- 1. INSTALL 4" CABLE TVSS CONDUIT PER CITY, STATE OR NEC CODE, WHICHEVER IS MORE STRINGENT (FOR FUTURE USE). SEE ELECTRICAL SHEETS FOR DETAILS. TERMINATE CABLE CONDUIT AT RIGHT-OF-WAY. PROVIDE END CAP AND NOTE LOCATION ON AS-BUILT DRAWINGS.

GENERAL LEGEND

EXISTING and PROPOSED symbols for PROPERTY LINE, CENTER LINE, RIGHT-OF-WAY LINE, EXISTING OVERHEAD UTILITIES, EXISTING STORM SEWER, EXISTING SANITARY SEWER, EXISTING WATER SERVICE, EXISTING GAS SERVICE, EXISTING CURB AND GUTTER, EASEMENT LIMITS, PROPOSED CATCH BASIN, PROPOSED CURB INLET, PROPOSED LIGHT POLE, PROPOSED CURB, PROPOSED WHEEL STOP, PROPOSED CONCRETE, PROPOSED SWALE, PROPOSED CANOPY LIGHT FIXTURE, PROPOSED CONDENSING UNIT, PROPOSED ELECTRIC METER, PROPOSED GAS METER, PROPOSED MONUMENT SIGN, PROPOSED TEMPORARY CONSTRUCTION SIGN, PROPOSED DIRECTIONAL SIGN, PROPOSED TRAFFIC SIGN, PROPOSED DOCUMENT BIN, PROPOSED FLAGPOLE W/ LIGHTS, PROPOSED PAINTED TRAFFIC ARROW, PROPOSED PAINTED HANDICAP SYMBOL, PROPOSED ELECTRIC TRANSFORMER.



National City

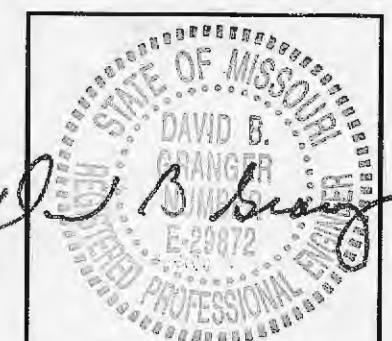


Table with columns: REV., DATE, DESCRIPTION. Includes revision history for technical review and comments.

NATIONAL CITY BANK 1400 MEXICO LOOP ROAD EAST O'FALLON, MO 63366

Table with columns: DESIGNED, DRAWN, CHECKED, DATE. Lists design and drawing dates.

JOB NO. 2005090.55

C-001

CITY OF O'FALLON COMMUNITY DEVELOPMENT DEPARTMENT ACCEPTED FOR CONSTRUCTION BY: [Signature] DATE: 5-17-07 PROFESSIONAL ENGINEER'S SEAL INDICATES RESPONSIBILITY FOR DESIGN

9987.06.01

Const. Inspector