

UTILITY NOTES

1.

ALL SEWER, ELECTRIC, AND TELEPHONE SERVICE LINES AND EXTENSIONS ARE TO BE CONSTRUCTED TO THE RESPECTIVE UTILITY COMPANY SPECIFICATIONS. UTILITY DISCONNECTIONS TO BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.
2.

THE GENERAL CONTRACTOR IS PARTICULARLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF THE EXISTING UTILITIES SHOWN HEREON IS BASED ON UTILITY COMPANY RECORDS, AND WHERE POSSIBLE, FILLED MEASUREMENTS. THE CONTRACTOR SHALL NOT RELY UPON THIS INFORMATION HAS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS PRIOR TO THE EXCAVATION AND REQUEST FIELD VERIFICATION OF UTILITY LOCATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RELOCATE EXISTING UTILITIES CONFLICTING WITH IMPROVEMENTS SHOWN HEREON IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
3.

BEFORE INSTALLATION OF WATER LINES, STORM SEWERS OR SANITARY SEWERS, THE CONTRACTOR SHOW EXCAVATE AND VERIFY ALL CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT HE IS NOT NOTIFIED OF DESIGN CONFLICTS PRIOR TO CONSTRUCTION.
4.

ALL SEWER CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LOCAL SERVICE PROVIDER SEWER SPECIFICATIONS AND DETAILS (LATEST REVISIONS).
5.

ALL SEWER SERVICE LINES, SHALL BE TESTED BY THE CONTRACTOR. THE TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE LOCAL SERVICE PROVIDER REPRESENTATIVE.
6.

THE CONTRACTOR SHALL PAY ANY APPLICABLE WATER AND SEWERAGE SERVICES INSPECTION FEES.
7.

THE CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES, TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN, REPAIR ANY DAMAGE, ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTORS EXPENSE, AND COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
8.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES AND GAS LINES DO NOT CONFLICT WITH SANITARY SEWERS, SANITARY SEWER SERVICES OR STORM SEWERS.
9.

WATER SERVICE PIPE SHALL BE POLYETHYLENE (PE), DR9, LOCATION AND SIZE OF WATER SERVICE SHALL BE SHOWN ON THE UTILITY PLAN, IN COORDINATION WITH REPRESENTATIVES OF THE LOCAL WATER AUTHORITY.
10.

SEWER SERVICE SHALL BE 6" DIAMETER NON-PRESSURE POLYVINYL CHLORIDE PIPE (PVC) CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKETS. INSTALL IN THE LOCATIONS SHOWN HERE ON.
11.

CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN THE USE OF EQUIPMENT IN AND AROUND OVERHEAD AND UNDERGROUND ELECTRICAL WIRES AND SERVICES. IF AT ANY TIME IN THE PURSUIT OF THIS WORK THE CONTRACTOR MUST WORK IN THE CLOSE PROXIMITY OF THE ABOVE NOTED WIRES, THE ELECTRIC COMPANY SHALL BE CONTACTED PRIOR TO SUCH WORK AND THE PROPER SAFETY MEASURES TAKEN. A THOROUGH EXAMINATION OF THE OVERHEAD AND UNDERGROUND WIRES IN THE PROJECT AREA SHOULD BE MADE BY THE CONTRACTOR PRIOR TO THE INITIATION OF CONSTRUCTION.
12.

THE OWNER AND ENGINEER DO NOT ASSUME RESPONSIBILITY FOR THE POSSIBILITY THAT, DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED OR THAT ACTUAL LOCATIONS OF THOSE SHOWN MAY BE DIFFERENT FROM LOCATIONS DESIGNATED ON THE CONTRACT DRAWINGS. IN AREAS WHERE IT IS NECESSARY THAT EXACT LOCATIONS BE KNOWN OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, FURNISH ALL LABOR AND TOOLS NECESSARY TO EITHER VERIFY AND SUBSTANTIATE OR DEFINITELY ESTABLISH THE POSITION OF UNDERGROUND UTILITY LINES.
13.

THE DEVELOPER IS TO SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE CONTRACTOR, THE DEVELOPERS ENGINEER, THE CITIES REPRESENTATIVE AND THE CITIES ENGINEER.
14.

DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
15.

REMOVE ALL FOUNDATIONS, UNDERGROUND TANKS, PAVING, BASE ETC. IF REMAINING, BEFORE BEGINNING CONSTRUCTION.
16.

FILL ALL PLANTERS/ISLANDS TO TOP OF CONCRETE CURB WITH TOPSOIL. TOPSOIL TO BE CLEAN AND FREE OF DEBRIS, ETC.
17.

THESE PLANS, PREPARED BY CIVIL ENGINEERING SERVICES, DID NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE CIVIL ENGINEERING SERVICES REGISTERED PROFESSIONAL ENGINEER HERE ON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
18.

IN THE CASE OF CONFLICT BETWEEN THIS DRAWING AND ANY OTHER DRAWING AND/OR THE SPECIFICATIONS. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR CLARIFICATION.
19.

ANY AND ALL FEES, LICENSES AND PERMITS NECESSARY FOR THIS CONSTRUCTION ARE TO BE OBTAINED PRIOR TO THE INITIATION OF CONSTRUCTION AND THE COST OF SAME TO BE BORNE BY THE CONTRACTOR.
20.

FOR WATER SERVICE ALL CORPORATION STOPS SHALL CONFORM TO LOCAL SERVICE PROVIDER SPECS.
21.

FITTINGS SHALL BE BRASS, CAST AND MACHINED IN ACCORDANCE WITH AWWA C800 AND AWWA C901, WITH COMPATIBLE PIPE CONNECTIONS.
22.

SERVICE SADDLES AND ANCHORS SHALL CONFORM TO ALL SERVICE PROVIDER SPECIFICATIONS.
23.

ALL SEWER SERVICE FITTINGS AND ACCESSORIES SHALL BE MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR PRIOR-APPROVED EQUAL.
24.

BEDDING AND INITIAL BACKFILL OVER SEWER MAINS AND SERVICES SHALL CONFORM TO THE GEOTECHNICAL REPORT RECOMMENDATIONS OR LOCAL SERVICE PROVIDER RECOMMENDATION WHICH EVER IS MORE STRICT.
25.

ALL UTILITY SERVICES IN EXISTING ROADS SHALL BE INSTALLED BY BORING. ALL TRENCHES IN EXISTING PARKING LOTS SHALL UTILIZE A CLEAN SAW CUT AND SHALL BE BACKFILLED (100 %) TO FINAL SUBGRADE WITH #57 STONE. REPAIR ROADS PER CITY REQUIREMENTS.
26.

ALL SANITARY SEWER OUTSIDE OF BUILDING MUST BE SCHEDULE 40 PVC
27.

ELLIPTICAL RCP SHALL CONFORM TO ASTM C 507 (CLASS III) AND AASHTO M 207 STANDARD SPECIFICATIONS.

UTILITY NOTES CONTINUED

28.

REINFORCED CONCRETE PIPE (RCP); O-RING SHALL CONFORM TO ASTM C 76 (CLASS III, UNLESS OTHERWISE SPECIFIED) AND AASHTO M 170 STANDARD SPECIFICATIONS, AND ASTM C 443 STANDARD SPECIFICATIONS FOR JOINTS FOR RCP USING RUBBER GASKETS.
29.

ELLIPTICAL RCP SHALL CONFORM TO ASTM C 507 (CLASS III) AND AASHTO M 207 STANDARD SPECIFICATIONS.
30.

HDPE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF AASHTO M 25 (3"-10"), M 294 (12" AND LARGER), TYPE S (CORRUGATED OUTSIDE - SMOOTH INSIDE, 4" - 60"), AND MP 7 (60" TYPE S).
31.

BELL/SPIGOT GASKET FOR HDPE PIPE SHALL BE SOIL/SILT TIGHT PER AASHTO SECTION 26 WITH RUBBER GASKET MEETING ASTM F 477.
32.

PVC STORM SEWER PIPE (12" OF LESS) AND FITTINGS SHALL BE NON-PRESSURE PVC CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKET JOINTS.
33.

REPAIR ALL DAMAGE TO EXISTING FEATURES(I.E. DRIVES, ROADS, YARDS, LANDSCAPING, ETC.) TO PRECONSTRUCTION CONDITION.
34.

COORDINATE THE EXACT LOCATION OF ALL UTILITIES ENTERING THE BUILDING WITH THE PLUMBING PLANS PROVIDED BY OTHERS.
35.

THE CONTRACTOR SHALL COMPLY WITH ALL PERTINENT PROVISIONS OF THE MANUAL OF ACCIDENT PREVENTION AND CONSTRUCTION ISSUED BY AGC OF AMERICA.
36.

SOME UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE CALL. THE CONTRACTOR SHALL CALL "811", PRIOR TO PROCEEDING WITH ANY EXCAVATION.
37.

REPAIR EXISTING PAVEMENT, CURBS, WALKS, LANDSCAPING, ETC. THAT ARE DAMAGED BY CONSTRUCTION ACTIVITIES TO A LIKE NEW CONDITION AT NO ADDITIONAL COST TO THE OWNER.
38.

THE PROPOSED GAS LINE CONSTRUCTION AND INSTALLATION SHALL BE COORDINATED WITH THE LOCAL GAS COMPANY BY THE CONTRACTOR.
39.

THE PROPOSED ELECTRIC LINE CONSTRUCTION AND INSTALLATION SHALL BE COORDINATED WITH THE LOCAL ELECTRIC COMPANY BY THE CONTRACTOR.
40.

THE PROPOSED TELEPHONE LINE CONSTRUCTION AND INSTALLATION SHALL BE COORDINATED WITH THE LOCAL TELEPHONE COMPANY BY THE CONTRACTOR.
41.

THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
42.

PRIOR TO SUBMITTING HIS BID. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED AROUND UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTORS OPERATIONS.
43.

FIRE HYDRANT ASSEMBLIES (IF REQUIRED ON THESE PLANS) INCLUDE THE APPROPRIATE SIZED TEE (WITH KICKER), 6" LINE TO HYDRANT, 6" GATE VALVE (WITH VALVE BOX), AND FIRE HYDRANT (WITH KICKER). HYDRANT SHALL BE INSTALLED AT LOCATION SHOWN ON THE PLANS.
44.

BACKFLOW PREVENTION DEVICE FOR THE DOMESTIC WATER SERVICE SHALL BE LOCATED INSIDE THE BUILDING UNLESS OTHERWISE SPECIFIED IN THESE PLANS. COORDINATE WITH LOCAL SERVICE PROVIDER.
45.

MAINTAIN 18" MINIMUM VERTICAL CLEARANCE AT UTILITY CROSSING.

GRADING & DRAINAGE NOTES

1.

SEE LANDSCAPE PLAN FOR REQUIRED TREES AND GROUND COVER.
2.

SLOPE OF SURFACE GRADE SHALL BE A MINIMUM OF 1.00%
3.

MAXIMUM CUT OF FILL SLOPES IS 2H:1V.
4.

THE CONTRACTOR SHALL PROVIDE CLEAN, SUITABLE MATERIAL FOR REQUIRED FILL. SHOULD A SUFFICIENT QUANTITY OF SUITABLE MATERIAL NOT BE AVAILABLE FROM THE REQUIRED EXCAVATION ON THE SITE.
5.

ALL FILL SHOULD BE PLACED IN THIN, HORIZONTAL LOOSE LIFTS (MAXIMUM 6-INCH) AND COMPACTED TO AT LEAST 98 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698). THE UPPER 8 INCHES OF SOIL BENEATH PAVEMENTS AND SLAB-ON-GRADE SHOULD BE COMPACTED TO AT LEAST 100 PERCENT. COMPACTION MUST BE CERTIFIED BY A TENNESSEE REGISTERED PROFESSIONAL SOILS ENGINEER PRIOR TO THE INSTALLATION OF PAVEMENTS, CURBS, SIDEWALKS OR FOOTINGS OF ANY TYPE.
6.

DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE FULLY CONSTRUCTED AND OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.
7.

LENGTH OF RIP-RAP PADS AT PIPE OUTLET STRUCTURES TO BE A MINIMUM LENGTH OF (6) SIX TIMES THE DIAMETER OF THE PIPE.
8.

JURISDICTIONAL LAND DISTURBANCE PERMIT MUST BE DISPLAYED ON SITE AT ALL TIMES DURING CONSTRUCTION AND IN PLAIN VIEW FROM A PUBLIC ROAD OR STREET.

INFORMATIONAL AND PROCEDURAL COMMENTS

1.

PER THE ENGINEER'S CERTIFICATION ON THIS PLAN, THIS PROPERTY LIES IN ZONE X, OUTSIDE AREAS DESIGNATED AS FLOODWAY AND/OR 100-YEAR FLOODPLAIN PER THE LATEST FIRM MAPS (1/5/07) FOR THE CITY OF MURFREESBORO.
2.

THIS SITE PLAN IS NOT AFFECTED BY THE CITY'S MAJOR TRANSPORTATION PLAN.
3.

THE DESIGN ENGINEER SHALL COORDINATE ALL SIDEWALK LOCATIONS WITH UTILITY PROVIDERS. ELIMINATION OF CONFLICTS IS THE RESPONSIBILITY OF THE DEVELOPER.
4.

DESIGNATE AN AREA ON THE PLANS FOR CONSTRUCTION DEBRIS STORAGE. UNKEPT SITES SHALL NOT BE PERMITTED AND MAY BE SUBJECT TO STOP-WORK ORDERS.
5.

IN ACCORDANCE WITH TCA SECTION 7-59-310(B)(1), COMPETITIVE CABLE AND VIDEO SERVICES ACT, IN CASE OF NEW CONSTRUCTION OF PROPERTY DEVELOPMENT WHEN UTILITIES ARE TO BE PLACED UNDERGROUND, THE DEVELOPER OR PROPERTY OWNER SHALL GIVE ALL PROVIDERS OF CABLE OR VIDEO SERVING THE CITY OF MURFREESBORO DATES ON WHICH OPEN TRENCHING WILL BE AVAILABLE FOR THE PROVIDERS' INSTALLATION OF CONDUIT, PEDESTALS OR VAULTS, AND LATERALS REFERRED TO AS "EQUIPMENT" TO BE PROVIDED AT SUCH PROVIDERS' EXPENSE.
6.

A LAND DISTURBANCE PERMIT (LDP) IS REQUIRED BEFORE ANY WORK BEGINS ON SITE, INCLUDING SOIL DISTURBANCE. THE LDP APPLICATION MUST BE SUBMITTED TO THE ENGINEERING DEPARTMENT AND MUST BE APPROVED BY THE CITY ENGINEER.
7.

BOTH TDOT AND CITY RIGHT OF WAY PERMIT AND SURETY WILL BE REQUIRED PRIOR TO ANY WORK TAKING PLACE IN THE RIGHT OF WAY.

EROSION CONTROL NOTES

1.

SEDIMENT BARRIERS AND CONSTRUCTION ENTRANCE SHALL BE PLACED AS INDICATED ON THE PLAN PRIOR TO ANY GRADING WORK.
2.

DUST CONTROL ON SITE SHALL BE KEPT WITHIN ACCEPTABLE LIMITS BY SPRINKLING WITH WATER OR OTHER ACCEPTABLE METHODS.
3.

MAXIMUM SLOPES SHALL NOT EXCEED 3:1. CUT AND FILL SLOPES 3:1 SHALL BE STABILIZED BY EROSION CONTROL FABRIC, HYDROSEEDING, SOD, OR OTHER ACCEPTABLE METHODS.
4.

ADDITIONAL EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY BEFORE GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
5.

THE LOCATIONS OF EROSION CONTROL DEVICES SHALL BE ADJUSTED AS CONSTRUCTION PROGRESSES TO MAINTAIN A FUNCTIONAL EROSION CONTROL SYSTEM.
6.

ANY FAILURE OF ANY EROSION CONTROL DEVICE TO FUNCTION AS INTENDED FOR ANY REASON SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
7.

EROSION CONTROL DEVICES SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND AT LEAST DAILY DURING PROLONGED PERIODS OF CONTINUOUS RAINFALL.
8.

EROSION CONTROL DEVICES SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A FUNCTIONAL EROSION CONTROL SYSTEM.
9.

EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED AND THEN REMOVED SO THAT DRAINAGE OF THE SITE IS NOT IMPEDED.
10.

ANY CUT OR FILL SLOPES 3:1 OR GREATER SHALL BE STABILIZED WITHIN 7 DAYS OF COMPLETING WORK ON THE SLOPES.
11.

CLEAN SILT BARRIERS WHEN THEY ARE APPROXIMATELY 50 % OBSTRUCTED BY SEDIMENT OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. SILT BARRIERS SHALL BE REPLACED AS EFFECTIVENESS IS SIGNIFICANTLY REDUCED.
12.

TOPSOIL SHALL BE RE-SPREAD A MINIMUM DEPTH OF 6" OVER ALL DISTURBED AREAS.
13.

AREAS THAT HAVE BEEN STRIPPED, CUT SLOPES, FILL SLOPES OR AREAS OTHER WISE DISTURBED SHALL HAVE PERMANENT STABILIZATION APPLIED (GRASS, SOD, ETC.). PERMANENT STABILIZATION SHALL BE PLACED PRIOR TO ACCEPTANCE OF FINAL GRADING.
14.

REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES PRIOR TO ACCEPTANCE BY THE OWNER.

DEMOLITION NOTES

1.

PRIOR TO COMMENCEMENT OF DEMOLITION THE CONTRACTOR WILL COORDINATE HIS ACTIVITIES WITH ALL THE UTILITY COMPANIES SERVING THIS AREA. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
2.

THE CONTRACTOR IS TO COMPLETELY REMOVE AND DISPOSE OF ALL STRUCTURES AND BUILDINGS THAT ARE SO INDICATED INCLUDING FOUNDATIONS, TIMBER AND BRUSH, EXCEPT AS OTHERWISE INDICATED, STUMPS AND ROOTS; EXISTING PAVEMENT; OTHER STRUCTURES AS SHOWN OR REASONABLY IMPLIED IN THE DRAWINGS.
3.

EXCEPT IN AREAS WHERE EXISTING TREES SHALL BE PRESERVED, A MINIMUM DEPTH OF REMOVAL SHALL BE (2) FOOT BELOW SUBGRADE. IN ROADWAY AREAS AND TO ORIGINAL SOILS ELSEWHERE. WHERE EXISTING BUILDINGS ARE TO BE DEMOLISHED, ALL TRACES OF FOUNDATIONS AND UNDERGROUND UTILITIES ARE TO BE REMOVED (UNLESS OTHERWISE NOTED ON PLANS). THE CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL WASTER MATERIAL.
4.

WHERE PAVING OR STRUCTURES ARE TO BE REMOVED WHICH ABUT OR ARE A PART OF CONNECTED FACILITIES (THAT ARE OFF-SITE), RESTORATION OF ANY DAMAGE THAT MIGHT RESULT FROM DEMOLITION IS TO BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
5.

THE LOCATION OF ALL EXISTING UTILITIES, STORM DRAINAGE AND TREES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER OR ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. PRIOR TO THE START OF DEMOLITION THE CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXISTENCE & LOCATION OF ALL STRUCTURES, UTILITIES & TREES SHOWN OR NOT SHOWN ON THE PLANS, WHICH WOULD NEED TO BE REMOVED OR PRESERVED.
6.

THE CONTRACTOR IS TO COORDINATE THE RELOCATION OR REMOVAL OF ALL OVERHEAD/UNDERGROUND UTILITIES, UTILITY POLES, LIGHTS AND LINES IN THE RIGHT-OF-WAY AND ON THE PROPERTY WITH THE APPROPRIATE PROVIDER.
7.

THE CONTRACTOR SHALL REFERENCE AND RESTORE PROPERTY CORNERS AND LAND MARKERS DISTURBED DURING CONSTRUCTION. (UNDER THE DIRECTION OF A REGISTERED LAND SURVEYOR IN THE STATE OF THE PROJECT SITE)
8.

REMOVE AND DISCARD ALL EXISTING ASPHALT PAVEMENT AND BASE MATERIAL AT LEAST 6" BELOW ASPHALT WITHIN THE LIMITS SHOWN. EXISTING SUBBASE MATERIAL MAY BE REUSED PROVIDED IT IS STABILIZED AND COMPACTED PER THE TYPICAL PAVEMENT DETAIL.
9.

PRIOR TO COMMENCEMENT OF DEMOLITION, CONTRACTOR SHALL OBTAIN ANY DEMOLITION PERMITS REQUIRED.

GENERAL NOTES

1.

THE CONTRACTOR(S) SHALL REMOVE ALL OBSTRUCTIONS, BOTH ABOVE AND BELOW GROUND, AS REQUIRED FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THIS SHALL INCLUDE CLEARING AND GRUBBING WHICH CONSISTS OF CLEARING THE GROUND SURFACE OF ALL TREES, STUMPS, BRUSH, UNDERGROWTH, HEDGES, HEAVY GROWTH OF GRASS OR WEEDS, FENCES, STRUCTURES, DEBRIS, RUBBISH, AND SUCH MATERIAL WHICH, IN THE OPINION OF THE ENGINEER, IS UNSUITABLE FOR THE FOUNDATION OF PAVEMENTS.
2.

THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
3.

ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ALL JURISDICTIONAL BODIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA.
4.

EXISTING A. C. PAVEMENT SHALL BE CUT TO A NEAT STRAIGHT LINE PARALLEL OR PERPENDICULAR TO THE STREET CENTERLINE AND THE EXPOSED EDGE SHALL BE CUT TO A NEAT STRAIGHT LINE PARALLEL OR PERPENDICULAR TO THE STREET CENTERLINE AND THE EDGE COATED WITH TAR AS REQUIRED BY THE CITY STREETS DEPARTMENT.
5.

ALL MATERIALS FURNISHED ON OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS OF THE APPROVING AGENCIES OR AS SET FORTH HEREIN, WHICHEVER IS MORE RESTRICTIVE.
6.

CONTRACTORS MUST FURNISH PROOF THAT ALL MATERIALS INSTALLED ON THIS PROJECT MEET THE REQUIREMENTS OF ITEM #5 AT THE REQUEST OF THE AGENCY AND/OR THE ENGINEER.
7.

ALL COSTS OF RETESTING FOR PREVIOUSLY FAILED TESTS SHALL BE BACK CHARGED TO THE CONTRACTOR BY THE OWNER.
8.

ALL COSTS TO THE CONTRACTOR INCURRED IN CORRECTING DEFICIENT WORK SHALL BE TO THE CONTRACTORS ACCOUNT. FAILURE TO CORRECT SUCH WORK WILL BE CAUSE FOR A STOP WORK ORDER AND POSSIBLE TERMINATION.
9.

THE GENERAL CONTRACTOR IS PARTICULARLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF THE EXISTING UTILITIES SHOWN HEREON IS BASED ON UTILITY COMPANY RECORDS, AND WHERE POSSIBLE, FIELD MEASUREMENTS. THE CONTRACTOR SHALL NOT RELY UPON THIS INFORMATION AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION OF UTILITY LOCATIONS; IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO RELOCATE EXISTING UTILITIES CONFLICTING WITH IMPROVEMENTS SHOWN HEREON IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS GOVERNING SUCH PREPARATIONS
10.

ALL MATERIAL PLACED AS FILL OR BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE PER THE STANDARD PROCTOER METHOD (ASTM D 698) - SEE GEOTECHNICAL REPORT
11.

IN THE CASE OF CONFLICT BETWEEN THIS DRAWING AND ANY OTHER DRAWING AND/OR THE SPECIFICATIONS, THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR CLARIFICATION.
12.

ALL LOT DIMENSIONS, EASEMENTS AND CERTAIN OFF-SITE EASEMENTS ARE TO BE TAKEN FROM THE FINAL PLAT PREPARED BY THE SURVEYOR.
13.

OVER EXCAVATION AND ADDITIONAL GRANULAR BACKFILL MAY BE REQUIRED IN HIGH GROUNDWATER AREAS WHICH ARE TO BE DETERMINED BY THE FIELD INSPECTOR OR OWNER.

CUD WATER LINE NOTES

1.

WATER SERVICE, DOMESTIC, FIRE AND/OR IRRIGATION IS PROVIDED BY CONSOLIDATED UTILITY DISTRICT OF RUTHERFORD COUNTY (CUDRC).
2.

SEE CUD WATER PLANS FOR SPECIFIC DETAILS AND LAYOUT.
3.

ALL "LIVE OR WET" WATER MAIN LINE TAPS ARE TO BE MADE BY CUDRC.
4.

CUD WATER LINE TECHNICAL SPECIFICATIONS MAY BE FOUND AT WWW.CUDRC.COM.
5.

UTILITY CONTRACTOR MUST ATTEND PRE-ARRANGED WATER LINE PRE-CONSTRUCTION MEETING WITH AUTHORIZED REPRESENTATIVE FROM CUD AND RECEIVE FORMAL TDEC "NOTICE TO PROCEED" FROM CUD BEFORE ANY WATER LINE CONSTRUCTION COMMENCES.
6.

DURING WATER LINE CONSTRUCTION, AN AUTHORIZED REPRESENTATIVE OF CUDRC WILL BE INSPECTING THE ENTIRE WATER LINE INSTALLATION PROCESS TO ENSURE THAT THE CONSTRUCTION CONFORMS TO APPROVED PLANS AND SPECIFICATIONS.
7.

NO ROCK LARGER THAN SIX INCHES (6") IN ANY DIMENSION MAY BE USED IN THE BACKFILL OVER THE WATER LINE AND NO ROCK LARGER THAN ONE HALF INCH (1/2") MAY BE USED IN THE TOP SIX (6") OF THE BACKFILL OVER THE WATER LINE.
8.

MAINTAIN 10 FEET HORIZONTAL SEPARATION AND 18 INCHES VERTICAL SEPARATION (WATER OVER SEWER) BETWEEN SANITARY SEWER AND WATER LINES.
9.

CONTRACTOR REQUIRED TO STAKE ALL WATER METER LOCATIONS PRIOR TO TAPS BEING INSTALLED.
10.

CONTACT CUD ENGINEERING DEPARTMENT FOR ADDITIONAL INFORMATION 615-867-7330.



CFT NV DEVELOPMENTS, LLC
TOWN CENTER DRIVE,
SUITE 150
LAS VEGAS, NV 89144
Telephone: 626.799.9898
Facsimile: 626.372.8288

All ideas, designs, arrangement and plans indicated or represented by this drawing are the property of Panda Express Inc. and were created for use on this specific project. None of these ideas, designs, arrangements or plans may be used by or disclosed to any person, firm, or corporation without the written permission of Panda Express Inc.

REVISIONS:

ISSUE DATE:

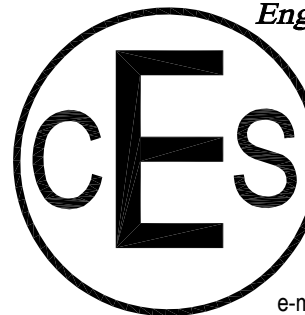
	PERMIT/BID SET	06-01-21

DRAWN BY: PTD

CFT PROJECT #: CT1366
CFT STORE #: CT1366
ARCH PROJECT #: 20045.003



Civil Engineering Services
Engineering, Land Planning,
and Environmental



7705 Spicer Farm Lane
Fairview, Tennessee
37062
Phone: (615) 533-0401

e-mail: ray@civilengineeringservices.net

CFT RETAIL BUILDING

2901 S. CHURCH ST
MURFREESBORO, TN 37127

GENERAL NOTES

C01.1