

# City of Goodlettsville, TN

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## Peay Park Splash Pad Site Plan Preparation

### **Request for Bids**

Responses may be mailed/hand delivered in a sealed envelope or box with title and due date marked on the outside of the envelope to:

City of Goodlettsville  
Charlie Ballard  
105 S Main Street  
Goodlettsville, TN 37072

Attn: Peay Park Splash Pad Site Preparation  
RFB #1803-0058-B

## **Request for Bids**

Sealed Bids will be received at the office Charlie Ballard, City of Goodlettsville, 105 South Main Street, Goodlettsville, TN 37072, until 2:00pm CST, on September 6, 2018, at which time they will be opened for the following:

### **Peay Park Splash Pad Site Preparation By the Parks and Recreation Department, City of Goodlettsville**

Specifications and drawing details may be obtained beginning August 14, 2018. Copies of the Engineering Plans and Specifications may be requested by calling the Purchasing Coordinator beginning Monday, August 14, 2018 between 8:00am and 4:30pm CST. Phone: 615-851-2239 or may find these documents at [www.goodlettsville.gov](http://www.goodlettsville.gov).

This project is funded in part by a Local Parks and Recreation Fund (LPRF) grant administered by the Tennessee Department of Environment and Conservation (TDEC) Recreation Education Services (RES) Division.

The City of Goodlettsville reserves the right to reject any and all Bids and to waive formalities.

The City of Goodlettsville does not discriminate on the basis of age, race, sex, color, national origin, religion or disability in admission to, access to, or operation of its programs, services or activities, nor does it discriminate in its hiring, employment or purchasing practices. Contact the Human Resources Director at 615-851-2206 with questions, concerns, complaints, and with requests for ADA accommodations.

**City of Goodlettsville**  
**Request for Bids (RFB)**  
**Peay Park Splash Pad Site Preparation**

The City of Goodlettsville ("City") is seeking Bids for the Peay Park Splash Pad Site Preparation.

This project is funded in part by a Local Parks and Recreation Fund (LPRF) grant administered by the Tennessee Department of Environment and Conservation (TDEC) Recreation Education Services (RES) Division.

The project consists of preparing the site for a splash pad, sidewalks, and all other specifications as shown on the plans or as specified by the Owner, including all labor, materials, equipment, and supervision. The work is more fully detailed in the attached drawings. Questions from potential Bidders must be sent in writing and received by the City by 2:00pm CST on August 27, 2018.

Allowable working days are defined as Monday through Friday 7:00am to sunset, Saturday from 9:00am-6:00pm, and Sunday from 12:00pm-6:00pm.

To qualify for this contract, the contractor is required to do the following:

- Prepare a brief introduction including a general demonstration of understanding of the scope of the required work and describe your company's structure, areas of expertise, time in business, number of employees and other information that would help characterize your company.
- Provide three examples of similar projects completed in the last five years. Provide a summary description of each project.
- Provide construction oversight on a daily basis during the hours of construction by the contractor or sub-contractor.
- Be able to work within the timelines established by the installer for the Splash Pad as required by the construction of the mechanical room.

The Owner reserves the right to reject any one or all Bids received. No Bidder may withdraw a submitted Bid for a period of sixty (60) days after the date set for the opening of Bids. Each Bid must be accompanied by a Certified Check or Bidder's Bond executed by the Bidder and a Surety Company licensed to do business in the State of Tennessee in the amount of Ten Percent (10%) of the amount of Bid. The Bond is required as a guarantee that, if the Bid is accepted, a Contract will immediately be entered into and the performance of it properly secured. The successful Bidder will be required to execute a Payment and a Performance Bond in the amount of One Hundred Percent (100%) of the Contract Price. Among other things, said Performance Bond shall provide that the Contractor will pay all subcontractors under him in said Contract.

Liquidated Damages in the amount set out in the Contract Documents will be assessed for failure to complete work within the Contract Completion Time as specified herein.

Separate sealed Bids will be received, in accordance with the Bidding Requirements, by the City of Goodlettsville, 105 South Main Street, Goodlettsville, TN 37072, until 2:00pm CST on September 6, 2018. Bids will subsequently be publicly opened and read aloud.

Specifications and drawing details may be obtained beginning August 14, 2018. Copies of the Engineering Plans and Specifications may be requested by calling the Purchasing Coordinator beginning Tuesday, August 14, 2018 between 8:00am and 4:30pm CST. Phone: 615-851-2239 or may find these documents at [www.goodlettsville.gov](http://www.goodlettsville.gov). There is no fee for the Bid packet, but only one packet per contractor, please.

The Contractor (and/or subcontractor) shall be licensed for the classification of work required for the Project in accordance with Public Chapter No. 822 (House Bill No. 2180) "Contractors Licensing Act of 1976," passed March 18, 1976 by the

General Assembly of the State of Tennessee, and any subsequent amendments thereto, or any Rules and Regulations promulgated by the State Board of Licensing Contractors and approved by proper legal authority. The entire wording of the Act shall be considered to be included by reference to these Contract Documents.

**Drug-free Workplace Affidavits – T.C.A. § 50-9-113** - Effective January 1, 2001, any contractor with five or more employees who provides construction services for the state or any local government is required to submit an affidavit stating that the contractor has a drug free workplace program in compliance with the Tennessee Drug Free Workplace Act, T.C.A. §§ 50-9-101 through 50-9-113. The drug free workplace affidavit is to be submitted with the Bid for a construction project. This statute directs that no local government shall award any construction contract to a contractor who does not submit such an affidavit with its Bid.

The Contractor shall furnish a Certificate of Insurance indicating sufficient coverage, a minimum of \$2,000,000.00 per occurrence, to protect the Owner and to hold the Owner harmless from any damage or injuries due to the Contractor's negligence. The Contractor is to furnish a Certificate of Insurance indicating coverage under a Workman's Compensation Policy that meets the State Minimum Requirements. The policies shall be issued by insurance companies with a Best Rating of not less than B+.

On the outside of each envelope containing a Bid, the Bidder shall show the following information for the Bidder; *otherwise the Bid will not be opened*:

- Name of project
- Applicable State License Number and its expiration date
- That part of the license classification applying to the Bid.

Each Bidder is responsible for inspecting the site and for reading and being thoroughly familiar with the Contract Documents. By signing the Bid, the Bidder certifies that he has investigated the site conditions of the Project, fully satisfied himself of the surface and subsurface conditions, and has based his Bid accordingly. The failure or omission of any Bidder to do any of the foregoing shall in no way relieve any Bidder from any obligation in respect to his Bid.

The Owner may make such investigations as he deems necessary to determine the ability of the Bidder to perform the Work, and the Bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any Bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the Agreement and to complete the Work contemplated therein.

Further, the Bidder agrees to abide by the requirements under Executive Order No. 11246, as amended, including specifically the provisions of the equal opportunity clause set forth in the Supplemental General Conditions.

### **Evaluation of Bids and Selection Process**

City staff will evaluate all properly submitted Bids, and will grade and rank all Bids with respect to the criteria set forth in the Request for Bids, each Bidder's references, past show performance (when applicable), and the proposed fee. The City will then select the top preferred Bidder, with whom a contract, on a form to be provided by the City, will be negotiated. The City Commission has the ultimate authority to approve any Bid and to authorize execution of the negotiated contract.

The City reserves the right to make clarifications, corrections, or changes in the Request for Bids at any time prior to the time Bids are opened. All Bidders or prospective Bidders who register with the City will be informed of said clarifications, corrections, or changes. Prospective Bidders may register via email to [cballard@goodlettsville.gov](mailto:cballard@goodlettsville.gov) prior to the due date for Bids.

Bids submitted are offers only, and the decision to accept or reject is a function of quality, reliability, capability, reputation, and expertise of companies submitting Bids. Issuance of the RFB does not obligate the City to pay any costs

incurred by a respondent in its submission of a Bid or making any necessary studies or designs for the preparation of that Bid, or for procuring or contracting for the services to be furnished under this RFB.

A Bidder may withdraw its Bid, either personally or by written request, at any time prior to the scheduled deadline for submittals. No Bid shall be withdrawn for 60 days after the date set for opening Bids. Bids shall be subject to acceptance during this period.

The City reserves the right to accept the Bid that is, in its judgment, the best and most favorable to the interests of the City and to the public; to reject the low price Bid; to accept any item of any Bid; to reject any and all Bids; and to waive irregularities and informalities in any Bid submitted or in the request for Bid process; provided, however, that the waiver of any prior defect or informality shall not be considered a waiver of any future or similar defect or informality. Companies should not rely upon, or anticipate, such waivers in submitting their Bid.

### **Submittal Procedures**

A. All questions regarding this Bid should be directed in writing to Charlie Ballard, Purchasing Coordinator, at [cballard@goodlettsville.gov](mailto:cballard@goodlettsville.gov). Questions will be accepted until 2:00pm CST on August 27, 2018. All questions and responses will be compiled and submitted to all known potential respondents electronically in one general response memorandum by August 31, 2018 and posted on the City's website at [goodlettsville.gov](http://goodlettsville.gov).

B. RFB Submittals

City of Goodlettsville  
Charlie Ballard  
105 S Main Street  
Goodlettsville, TN 37072

ATTN: Peay Park Splash Pad Site Preparation  
RFB #1803-0058-B

Bids must be received by U.S. Mail, other carrier, or hand delivered no later than 2:00pm CST, Thursday, September 6, 2018. The Bid opening will be held in the Conference Room at City Hall, 105 S Main Street, Goodlettsville, TN 37072. Bids submitted after closing time will be returned unopened. No oral, telephone, or facsimile Bids will be considered.

**City of Goodlettsville**  
**Peay Park Splash Pad Site Preparation**  
**RFB - Reference Sheet**

**Company Name** \_\_\_\_\_

Contact Person \_\_\_\_\_

Mailing Address \_\_\_\_\_

\_\_\_\_\_

Phone Number \_\_\_\_\_

Email Address \_\_\_\_\_

**References**

Organization \_\_\_\_\_

Contact Person \_\_\_\_\_

Mailing Address \_\_\_\_\_

\_\_\_\_\_

Phone Number \_\_\_\_\_

Email Address \_\_\_\_\_

Length of Association \_\_\_\_\_

Organization \_\_\_\_\_

Contact Person \_\_\_\_\_

Mailing Address \_\_\_\_\_

\_\_\_\_\_

Phone Number \_\_\_\_\_

Email Address \_\_\_\_\_

Length of Association \_\_\_\_\_

Organization \_\_\_\_\_

Contact Person \_\_\_\_\_

Mailing Address \_\_\_\_\_

\_\_\_\_\_

Phone Number \_\_\_\_\_

Email Address \_\_\_\_\_

Length of Association \_\_\_\_\_

**REQUEST FOR BID**

**City of Goodlettsville  
Peay Park Splash Pad Site Preparation**

We, the undersigned Bidder, in compliance with your Advertisement for Bids for the ***Peay Park Splash Pad Site Preparation***, having examined the Drawings and Specifications with related documents and the sites of the proposed work, and being familiar with all of the conditions surrounding the Project, hereby propose to furnish all labor, materials, and supplies to perform the Project in accordance with the Contract Documents within the time set forth therein.

We agree to accept therefore as complete payment, the estimated Lump Sum.

Contract Price \$ \_\_\_\_\_

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Address

\_\_\_\_\_  
Phone Number

\_\_\_\_\_  
Date

# IRAN DIVESTMENT ACT

In compliance with the Iran Divestment Act (State of Tennessee 2016, Public Chapter No. 817), which became effective on July 1, 2016, certification is required of all bidders on contracts over \$1,000.

*By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party hereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to T.C.A. § 12-12-106.*

*I affirm, under the penalties of perjury, this statement to be true and correct.*

|       |                     |
|-------|---------------------|
| _____ | _____               |
| Date  | Signature of Bidder |
| _____ | _____               |
|       | Company             |

A bid shall not be considered for award nor shall award be made where the foregoing certification has been complied with; provided, however, that if in any case the bidder cannot make the foregoing certification, the bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefor. The **City of Goodlettsville** may award a bid to a bidder who cannot make the certification, on case-by-case basis, if:

1. The investment activities in Iran were made before July 1, 2016, the investment activities in Iran have not been expanded or reviewed on or after July 1, 2016, and the person has adopted, publicized, and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
2. The **City of Goodlettsville** makes a determination that the goods or services are necessary for the **City of Goodlettsville** to perform its functions and that, absent such an exemption, the political subdivision will be unable to obtain the goods or services for which the contract is offered. Such determination shall be made in writing and shall be a public document.

**This form must be completed and accompany the bid documents.**



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
RECREATION EDUCATIONAL SERVICES

WR Snodgrass TN Tower, 312 Rosa L. Parks Avenue, 2nd Floor, Nashville, TN 37243  
PH: 615-532-0748 FAX: 615-532-0732

**CERTIFICATION OF CONTRACTOR  
REGARDING CONFLICTS OF INTEREST,  
LOBBYING, NONDISCRIMINATION, PUBLIC ACCOUNTABILITY,  
AND PUBLIC NOTICE**

This certification is required by the agency that has funded, in part, by: (check one)

- Local Park & Recreation Fund (LPRF)       Land & Water Conservation Fund (LWCF)
- Recreation Trail Program (RTP)               Other \_\_\_\_\_

The Contractor, \_\_\_\_\_, by signing and submitting this Certification, acknowledges the following: This Certification will be incorporated into the Agreement executed between: City of Goodlettsville (the Grantee) and the Contractor.

By signing and submitting this Certification, the Contractor certifies that neither it, its principals nor affiliates has violated the following:

1. **Conflicts of Interest:** The Grantee warrants that no part of the total Grant Contract Amount shall be paid directly or indirectly to an employee or official of the State of Tennessee as wages, compensation, or gifts in exchange for acting as an officer, agent, employee, subcontractor, or consultant to the Grantee in connection with any work contemplated or performed relative to this Grant Contract.
2. **Lobbying:** The Grantee certifies to the best of its knowledge and belief that:
  - a. No federally appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
  - b. If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this contract, grant, loan, or cooperative agreement, the Grantee shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.
  - c. The Grantee shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into and is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352.

3. **Nondiscrimination:** The Grantee hereby agrees, warrants, and assures that no person shall be excluded from participation in, be denied benefits of, or be otherwise subjected to discrimination in the performance of this Grant Contract or in the employment practices of the Grantee on the grounds of handicap or disability, age, race, color,

religion, sex, national origin, or any other classification protected by federal, Tennessee state constitutional, or statutory law. The Grantee shall, upon request, show proof of nondiscrimination and shall post in conspicuous places, available to all employees and applicants, notices of nondiscrimination.

4. Public Accountability: If the Grantee is subject to Tenn. Code Ann. § 8-4-401 *et seq.*, or if this Grant Contract involves the provision of services to citizens by the Grantee on behalf of the State, the Grantee agrees to establish a system through which recipients of services may present grievances about the operation of the service program. The Grantee shall also display in a prominent place, located near the passageway through which the public enters in order to receive Grant supported services, a sign at least eleven inches (11") in height and seventeen inches (17") in width stating:

NOTICE: THIS AGENCY IS A RECIPIENT OF TAXPAYER FUNDING. IF YOU OBSERVE AN AGENCY DIRECTOR OR EMPLOYEE ENGAGING IN ANY ACTIVITY WHICH YOU CONSIDER TO BE ILLEGAL, IMPROPER, OR WASTEFUL, PLEASE CALL THE STATE COMPTROLLER'S TOLL-FREE HOTLINE: 1-800-232-5454.

The sign shall be on the form prescribed by the Comptroller of the Treasury. The Grantor State Agency shall obtain copies of the sign from the Comptroller of the Treasury, and upon request from the Grantee, provide Grantee with any necessary signs.

5. Public Notice: All notices, informational pamphlets, press releases, research reports, signs, and similar public notices prepared and released by the Grantee in relation to this Grant Contract shall include the statement, "This project is funded under a grant contract with the State of Tennessee." All notices by the Grantee in relation to this Grant Contract shall be approved by the State.
6. Records: The Grantee and any approved subcontractor shall maintain documentation for all charges under this Grant Contract. The books, records, and documents of the Grantee and any approved subcontractor, insofar as they relate to work performed or money received under this Grant Contract, shall be maintained in accordance with applicable Tennessee law. In no case shall the records be maintained for a period of less than five (5) full years from the date of the final payment. The Grantee's records shall be subject to audit at any reasonable time and upon reasonable notice by the Grantor State Agency, the Comptroller of the Treasury, or their duly appointed representatives.

The records shall be maintained in accordance with Governmental Accounting Standards Board (GASB) Accounting Standards or the Financial Accounting Standards Board (FASB) Accounting Standards Codification, as applicable, and any related AICPA Industry Audit and Accounting guides.

In addition, documentation of grant applications, budgets, reports, awards, and expenditures will be maintained in accordance with U.S. Office of Management and Budget's Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards.

Grant expenditures shall be made in accordance with local government purchasing policies and procedures and purchasing procedures for local governments authorized under state law.

The Grantee shall also comply with any recordkeeping and reporting requirements prescribed by the Tennessee Comptroller of the Treasury.

The Grantee shall establish a system of internal controls that utilize the COSO Internal Control - Integrated Framework model as the basic foundation for the internal control system. The Grantee shall incorporate any additional Comptroller of the Treasury directives into its internal control system.

Any other required records or reports which are not contemplated in the above standards shall follow the format designated by the head of the Grantor State Agency, the Central Procurement Office, or the Commissioner of Finance and Administration of the State of Tennessee.

**Grantee's Authorized Representative:**  
**(USUALLY MAYOR)**

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Print Name*

\_\_\_\_\_  
*Title*

\_\_\_\_\_  
*Date*

**CONTRACTOR:** \_\_\_\_\_

\_\_\_\_\_  
*Signature*

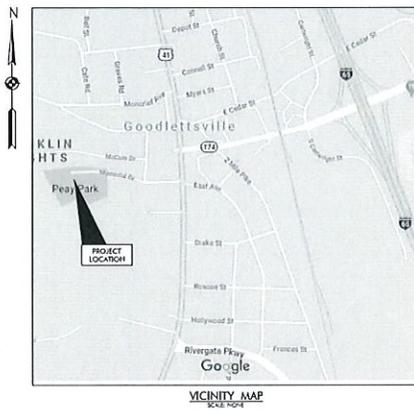
\_\_\_\_\_  
*Print Name*

\_\_\_\_\_  
*Title*

\_\_\_\_\_  
*Date*

# PEAY PARK SPLASH PAD

200 MEMORIAL DRIVE  
GOODLETTSVILLE, DAVIDSON COUNTY, TENNESSEE



## INDEX OF DRAWINGS

| DESCRIPTION                         | SHEET NAME |
|-------------------------------------|------------|
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| DEMOLITION PLAN                     | C2.0       |
| SITE LAYOUT                         | C3.0       |
| SITE UTILITY PLAN                   | C3.1       |
| SITE GRADING & EROSION CONTROL PLAN | C4.0       |
| CIVIL DETAILS                       | C5.0       |
| CIVIL DETAILS                       | C5.1       |

DATE: MAY 2018

FILE NO.: 0301-02

**BPE**

BRYAN PRICE ENGINEERING  
835 CASH FOR ROAD  
PORTLAND, TENNESSEE 37486  
PHONE: 615-481-3716 EMAIL: BRYAN.PRICE@GMAIL.COM



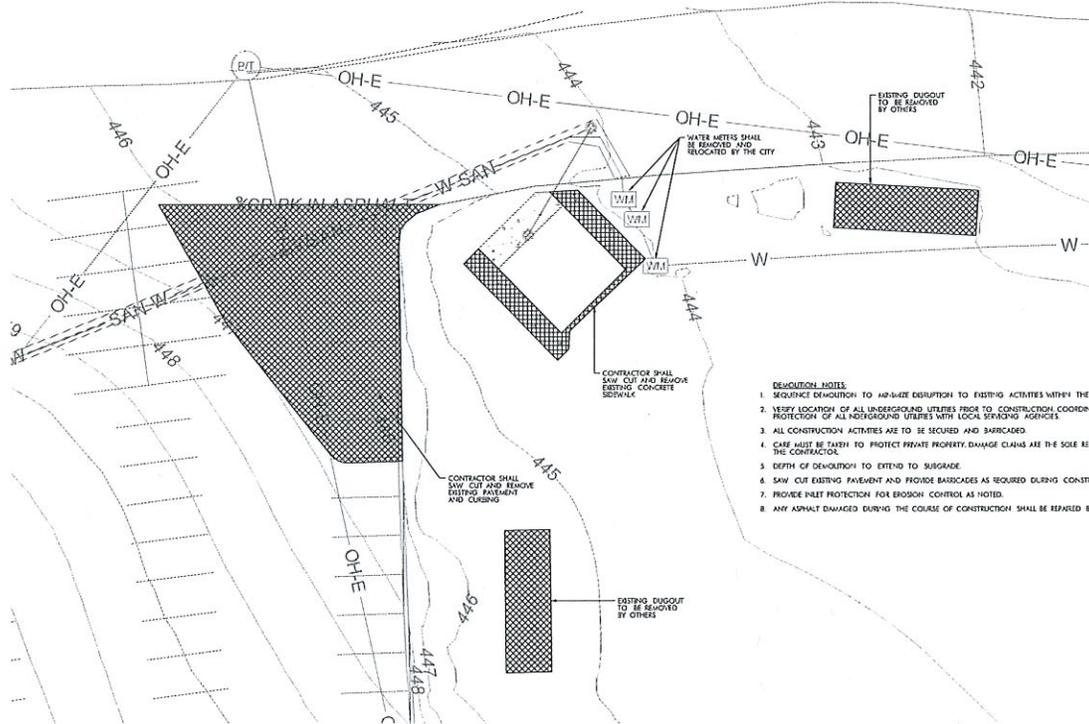
DATE: 12/28/2015  
DRAWN BY: [blank]  
CHECKED BY: [blank]  
APPROVED BY: [blank]

VICINITY MAP & INDEX  
PEAY PARK SPLASH PAD  
CITY OF GOODLETTSVILLE  
DAVIDSON COUNTY, TENNESSEE

SHEET NO. VMI  
OF NO. 0301-02

SITE IMPROVEMENT PLANS





- DEMOLITION NOTES**
1. SEQUENTIAL DEMOLITION TO MINIMIZE DISRUPTION TO EXISTING ACTIVITIES WITHIN THE CONSTRUCTION ZONE.
  2. VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. COORDINATE RELOCATION AND PROTECTION OF ALL UNDERGROUND UTILITIES WITH LOCAL SERVING AGENCIES.
  3. ALL CONSTRUCTION ACTIVITIES ARE TO BE SECURED AND BARRICADED.
  4. CARE MUST BE TAKEN TO PROTECT PRIVATE PROPERTY. DAMAGE CLAIMS ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
  5. DEPTH OF DEMOLITION TO EXTEND TO SUBGRADE.
  6. SAW CUT EXISTING PAVEMENT AND PROVIDE BARRICADES AS REQUIRED DURING CONSTRUCTION.
  7. PROVIDE INLET PROTECTION FOR EROSION CONTROL AS NOTED.
  8. ANY ASPHALT DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR.



**BRYAN PRICE ENGINEERING**  
 185 CORDER FORD ROAD  
 PORTLAND, TENNESSEE 37148  
 PHONE 615-810-3176 EMAIL BRYANPRICE@GMAIL.COM

|             |            |
|-------------|------------|
| DATE        |            |
| REVISIONS   |            |
|             |            |
| DATE        | 02/04/2011 |
| DESIGN BY   | MB         |
| CHECKED BY  | MB         |
| APPROVED BY | MB         |

**DEMOLITION PLAN**

REAY PARK SPLASH PAD  
 CITY OF GOODLETTSVILLE  
 DAVIDSON COUNTY, TENNESSEE

C2.0



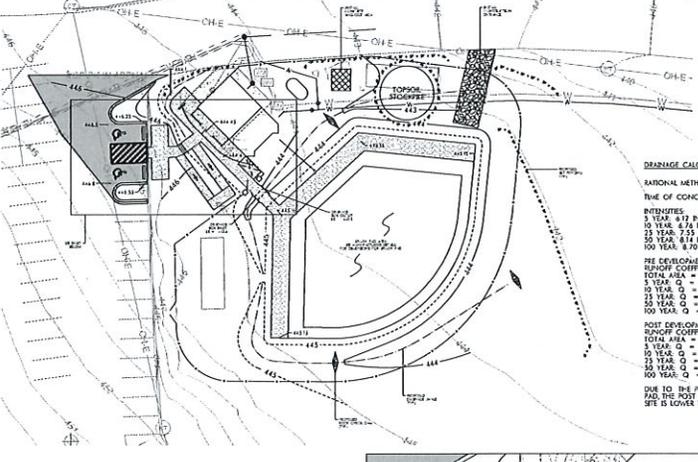


- GRADING, DRAINAGE AND EROSION CONTROL NOTES**
- CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ORIENTED IN THE RIGHT-OF-WAY PRIOR TO EXCAVATION. CONTRACTOR SHALL NOTIFY IN ONE CALL 72 HOURS PRIOR TO EXCAVATION.
  - PROPOSED CONTOURS ARE TO FINISHED GRADE.
  - NO CUT OR FILL SLOPES SHALL BE CONSTRUCTED STEEPER THAN 2:1 UNLESS SPECIFICALLY NOTED ON PLANS.
  - DITCH SIDE SLOPES EXCEEDING 4:1 SHALL BE SODDED OR HAVE EROSION CONTROL BLANKETS PLACED IMMEDIATELY AFTER FINAL GRADE HAS BEEN ESTABLISHED. ALL DITCH BOTTOMS SHALL BE SODDED OR HAVE EROSION CONTROL BLANKETS PLACED AFTER FINAL GRADING.
  - THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM ALL PROPOSED STRUCTURES. ANY SURFACE WATER ACCUMULATION IN THE BUILDING AND PAVEMENT AREAS SHALL BE DRAINED IMMEDIATELY TO AVOID SATURATION OF THE SUBGRADE SOLES.
  - EXPPOSE AS SMALL AN AREA OF SOIL FOR AS SHORT A TIME AS POSSIBLE.
  - KEEP DUST WITHIN ACCEPTABLE LIMITS BY SPRINKLING OR OTHER ACCEPTABLE MEANS.
  - USE TEMPORARY VEGETATION AND/OR MULCH TO PROTECT BARE AREAS FROM EROSION DURING CONSTRUCTION.
  - ALL EXCAVATIONS SHALL BE CONFINED TO ACCORDANCE WITH THE LATEST OSHA OUTLINES AS HANDED BY THE CURRENT FEDERAL STATE AND LOCAL REGULATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE IN PROVIDING SAFE WORKING CONDITIONS IN CONNECTION WITH ANY EXCAVATION WORK.
  - ENGINEERED FILL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY IN BUILDING AND AREAS PROPOSED AND FUTURE EXPANSION AND TO 92% IN PARKING AND DRIVE AREAS. VEGETATED AREAS SHOULD BE COMPACTED TO A MINIMUM OF 90% OF STANDARD PROCTOR DENSITY.
  - ALL CURB AREAS TO HAVE A MINIMUM OF 6" DEPTH OF TOPSOIL COVER AREAS DRESSED WITH TOPSOIL. MULCH 15 POUNDS PER 1,000 SQUARE FEET OF 2-1/2" FERTILIZER IS PROVIDED OR MORE OF KENTUCKY 31 FERTILIZER PER 1,000 SQUARE FEET AND A STRAW MULCH OF 70%:30% COVERAGE (APPROXIMATELY 125 POUNDS PER 1,000 SQUARE FEET).
  - THE CONTRACTOR SHALL VERIFY POSITIVE FLOW FOR ALL STORM SEWER SYSTEMS DISCREPANCIES SHALL BE BROUGHT TO THE ENGINEER IMMEDIATELY.
  - ALL SPOT ELEVATIONS SHOWN ARE FOR FINISHED GRADE.

- SEED AND SOIL NOTES**
- ALL DISTURBED AREAS INCLUDING WASTE AREAS TO BE SEED OR SODDED IF NOT NOTED TO BE GRASSED OR PAVED SURFACING. THE AREA NOTED ON THE PLAN TO BE SEED SHALL BE SODDED WITH 4" MINIMUM OF TOPSOIL. ALL AREAS TO BE SODDED, LEVELED AND MOUND TO THE TOPSOIL LAYER SHALL BEING ALL THOSE AREAS TO FINISHED GRADE. EXPOSED AREA SHALL BE SOILED TO REMOVE LOOSE EROSION MATERIALS SUCH AS ROCKS, LIMBS, STICKS, ETC TO BE COLLECTED AND RECYCLED DURING CONSTRUCTION AND BARRING OPERATIONS.
  - INSTALLATION OF SEED SHALL BE BETWEEN MARCH 1 TO APRIL 15 OR SEPTEMBER 1 TO OCTOBER 15. IF SEEDING IS DONE BY BETWEEN OCTOBER 15 AND MARCH 1, A SEED BLEND WILL BE USED CONSISTING OF 50% ANNUAL RYE.
  - GRASS SEED SHALL BE A TURF TYPE SEED. FERTILIZER SHALL BE 10-20-20 TYPE GRADE A USE APPROXIMATELY 8 LBS OF GRASS SEED, 10 LBS FERTILIZER FOR EACH 1000 SQ. FT. OF GRASSING AREA TO BE SEED. COVER ALL SEED AREAS WITH 3 BALETS OF WHEAT STRAW FOR EACH 1000 SQ. FT. WATER DAILY FOR 15 DAYS OR AS REQUIRED BY THE WEATHER CONDITIONS. AFTER SEED HAS GERMINATED, ALL TRENCHES SHALL BE RE-SEED.
  - THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING, MOWING, AND OTHER MAINTENANCE TO MAINTAIN AREAS UNTIL THE PROJECT IS ACCEPTED BY THE OWNER. A MINIMUM OF 90% COVERAGE OF SOUND, HEALTHY GRASS SHALL BE REQUIRED FOR ACCEPTANCE.
  - LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEDING AND COVERED WITH AN EROSION CONTROL MAT (MATT) WITH INVIOLANT OR INSTALLED WITH SOIL FOR PROPER STABILIZATION. SOIL TO BE STAKED WITH BRUSH WOOD STAKES OR UNPAINTED METAL PIPE FULLED WITH GEL.
  - SOIL SHALL BE REGIONALLY GROWN AND OF A SPECIES THAT WILL THRIVE IN THE PROJECT AREA.
  - HYDRATED ALL NEW LAWN AREAS AS SPECIFIED UNLESS PLANS CALL FOR SO3.
  - APPLY SEED, FERTILIZER, AND MULCH WITH WATER USING EQUIPMENT SPECIFICALLY DESIGNED FOR HYDRATED APPLICATION.
  - APPLY SLURRY UNIFORMLY TO ALL AREAS BEING SEED. RATE OF APPLICATION AS REQUIRED TO OBTAIN SPECIFIED SEEDING RATE.
  - THE SOIL SHALL BE HEAVILY FREE OF DISEASES AND WEEDS. STONES LARGER THAN 2" BY ANY DIMENSION, PLANT ROOTS AND OTHER MATERIAL DETERMINED TO BE A HEALTHY STAND OF TURF SHOULD BE REMOVED. UNWEED SOIL THAT HAS BECOME DRY, MOIST OR YELLOWS FROM HUMIDITY OR HAS REGULARLY SHAVED PICES THAT ARE TORN OR HAVE UNDRY ENDS SHALL BE REJECTED.
  - THE SOIL BED WILL BE LOOSEND TO A DEPTH OF 3" TO A SMOOTH EVEN SURFACE AND SHALL BE GRADED TO SUCH AN ELEVATION TO THE SOIL WHEN IN PLACE SHALL BE FULLED WITH ANY ADJACENT SEEDING TURF AREA, PAVEMENT, CURB OR OTHER STRUCTURES EXCEPT WHEN OTHERWISE NOTED.
  - LAY SOIL WITHIN 24 HOURS OF STRIPPING. DO NOT LAY DOWNHILL SOIL OR IF GROUND IS FROZEN. LAY SOIL TO FORM A SOIL MASS WITH TIGHT Joints. DO NOT OVERLAY.
  - WATER SOIL WITH FINE SPRAY IMMEDIATELY AFTER PLANTING. DURING FIRST WEEK, WATER DAILY OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO DEPTH OF 4".
  - BEFORE TO PLACING THE SOIL, FERTILIZER 10-20-20 TYPE I GRADE A SHALL BE APPLIED UNIFORMLY. SOIL SECTIONS SHALL BE HARROWED BACK OR OTHERWISE INCORPORATED INTO THE SOIL. THE SOIL BED, WHEN LAY, SHALL BE ACCORDING TO THE LOOSEND DEPTH.
  - SOIL SHALL BE THOROUGHLY ROLLED AND TAMPED SUFFICIENTLY TO INCORPORATE THE SOIL INTO THE SOIL BED AND TO ENSURE TIGHT JOINTS BETWEEN THE SECTIONS OR STRIPS.
  - ALL SODDED AREAS SHALL BE MAINTAINED, WATERED, AND REPAIRED AS NECESSARY BY THE LANDSCAPE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE PROJECT.
  - THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL SEED OR SODDED AREAS FOR A PERIOD OF ONE YEAR FROM THE DATE OF COMPLETION. LANDSCAPE CONTRACTOR IS NOT RESPONSIBLE FOR ACTS OF NATURE THAT MAY CAUSE EROSION, NEGLECT BY THE OWNER OR DAMAGED BY ANIMALS OR MACHINES.

**EROSION CONTROL NOTES**

- ALL MEASURES INSTALLED FOR SEDIMENT CONTROL SHALL BE CHECKED AT THE BEGINNING AND END OF EACH DAY WHEN CONSTRUCTION IS OCCURRING TO ASSURE THAT THE MEASURES ARE IN PLACE AND FUNCTIONING PROPERLY AND DAMAGED ASSURED WILL BE REPAIRED BY THE END OF THAT WORKING DAY. MEASURES SHALL BE MAINTAINED UNTIL THE ARCHITECT/ENGINEER DETERMINES THAT THEY ARE NO LONGER NEEDED.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO THE STANDARDS OF THE LOCAL AUTHORITY AS REQUIRED BY STATE AND FEDERAL LAWS.
- A COPY OF THE APPROVED EROSION CONTROL PLAN SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES. THIS COPY SHALL BE PRESENTED TO THE LOCAL AUTHORITY'S REPRESENTATIVES UPON REQUEST.
- PROHIBIT TO COMMENCING LAND-DEVELOPING ACTIVITIES IN ANY AREA NOT ON THE APPROVED EROSION CONTROL PLAN. THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE LOCAL AUTHORITY AND/OR STATE FOR APPROVAL.
- ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO OR AS THE FIRST STEP IN CLEARING AND GRADING. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE LOCAL AUTHORITY. DURING SEVERE WEATHER OPERATIONS NOTES MUST BE PLACED THROUGH AN APPROVED FERRY SERVICE. THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL INSPECTIONS AND MAINTENANCE ACTIVITIES AT THE PROJECT SITE.
- ALL AREAS DISTURBED SHALL BE STABILIZED ACCORDINGLY. WHEN THE SITE IS BROUGHT TO FINAL GRADE IT MUST BE STABILIZED WITHIN 14 DAYS. AREAS OF DISTURBED SOILS MUST BE STABILIZED WITHIN 14 DAYS OF NO ACTIVITY AND WITHIN 7 DAYS IF SLOPE IS 3:1 OR GREATER.
- EROSION CONTROL BARRIERS SHALL BE INSTALLED DOWNHILL OF ALL TO-BE GRADED AREAS AND SHALL BE PROTECTED OR REPAIRED AS NECESSARY FOR THE DURATION OF THE PROJECT TO ENSURE SEDIMENT AND DEBRIS DO NOT FILL TRENCHES AND BLOCK DRAINAGE CONDUITS.
- ROADS SHALL BE KEPT CLEAR OF DEBRIS DURING CONSTRUCTION ACTIVITIES.
- INSTALL CONSTRUCTION ENTRANCE MATS.
- INSTALL SILT FENCE AND OTHER TEMPORARY CONTROLS AROUND SITES IF ANY ON SITE.
- ALL EROSION CONTROL MEASURES ARE DESIGNED FOR THE 2 YEAR 24 HOUR EVENT.



**DRAINAGE CALCULATIONS**

NATIONAL METHOD Q-CIA  
 TIME OF CONCENTRATION, Tc = 5 MIN

**INTENSITIES**

|          |           |
|----------|-----------|
| 2 YEAR   | 6.17 PPHR |
| 10 YEAR  | 6.76 PPHR |
| 25 YEAR  | 7.55 PPHR |
| 50 YEAR  | 8.14 PPHR |
| 100 YEAR | 8.74 PPHR |

**PRE DEVELOPMENT**

EMPIRIC CORRECTION - C = 0.44

|            |            |
|------------|------------|
| TOTAL AREA | = 47.2 CFS |
| 5 YEAR Q   | = 11.1 CFS |
| 10 YEAR Q  | = 12.4 CFS |
| 25 YEAR Q  | = 14.1 CFS |
| 50 YEAR Q  | = 15.2 CFS |
| 100 YEAR Q | = 16.3 CFS |

**POST DEVELOPMENT**

EMPIRIC CORRECTION - C = 0.45

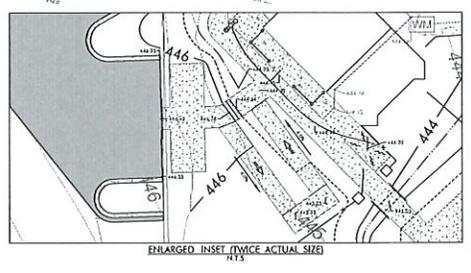
|            |            |
|------------|------------|
| TOTAL AREA | = 41       |
| 5 YEAR Q   | = 10.5 CFS |
| 10 YEAR Q  | = 11.8 CFS |
| 25 YEAR Q  | = 13.5 CFS |
| 50 YEAR Q  | = 14.6 CFS |
| 100 YEAR Q | = 15.6 CFS |

NOTE: DUE TO THE PREVIOUS SURFACE OF THE SLASH PAD THE POST DEVELOPMENT RANOFF FROM THE SITE IS LOWER THAN THE PRE-EXISTING.

- SEE AND SOIL NOTES:**
- EXISTING FLOOR IN STRUCTURE SHALL BE REMOVED.
  - CONTRACTOR IS TO MATCH EXISTING FINISHED FLOOR ELEVATION.
  - CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE ALL SLOPES ARE AS PER CONTRACT NO RUNNING SLOPE OVER 3% (3:1) AND NO CROSS SLOPE OVER 2% (1:50).

**SITE GRADING & EROSION CONTROL PLAN**

Scale: 1" = 20' (0 20 40 feet)



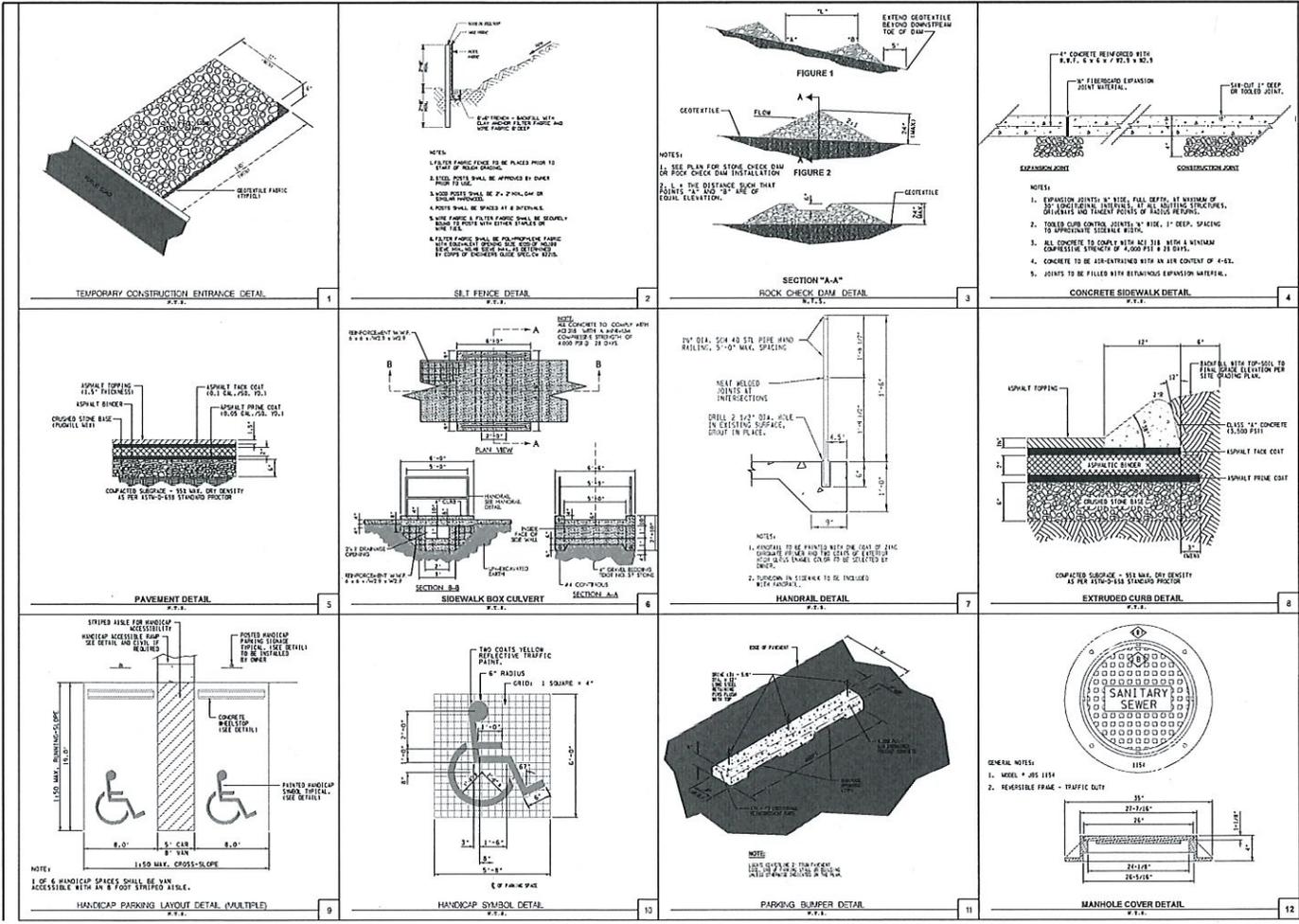
**BPE**  
 BRYAN PRICE ENGINEERING  
 845 GARDNER ROAD  
 PORTLAND, TENNESSEE 37486  
 PHONE: 615-881-3176 EMAIL: BRYANPRICE@BPEINC.COM

**DAVIDSON COUNTY PLANNING AND ZONING DEPARTMENT**

**SITE GRADING & EROSION CONTROL PLAN**

PEAY PARK SPLASH PAD  
 CITY OF GOODLETTSVILLE  
 DAVIDSON COUNTY, TENNESSEE

C4.0



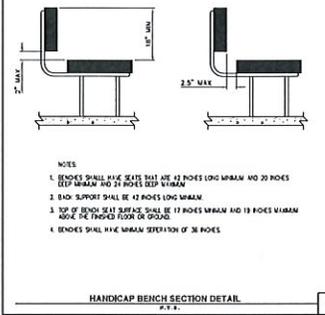
**BPE**  
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CIVIL SITE DETAILS  
 PEAY PARK SPLASH PAD  
 CITY OF GOODLETTSVILLE  
 DAVIDSON COUNTY, TENNESSEE

C5.0



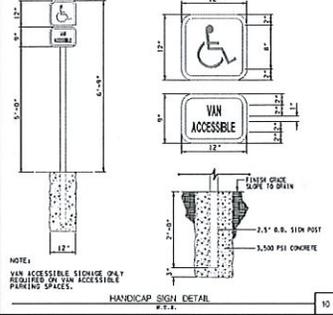
DATE: 01/11/17  
 DRAWN BY: BPE



- NOTES
1. BENCHES SHALL HAVE SEATS THAT ARE 42 INCHES LONG MINIMUM AND 20 INCHES DEEP MINIMUM AND 24 INCHES DEEP MINIMUM
  2. BENCH SUPPORT SHALL BE 42 INCHES LONG MINIMUM
  3. TOP OF BENCH SEAT SURFACE SHALL BE 17 INCHES MINIMUM AND 19 INCHES MINIMUM ABOVE THE FINISHED FLOOR OR GRADE
  4. BENCHES SHALL HAVE MINIMUM SEPARATION OF 36 INCHES

HANDICAP BENCH SECTION DETAIL  
 P.T. &

15



NOTE:  
 VAN ACCESSIBLE SIGNAGE ONLY  
 REQUIRED ON VAN ACCESSIBLE  
 PARKING SPACES.

HANDICAP SIGN DETAIL  
 P.T. &

10



**BRYAN PRICE ENGINEERING**  
 185 COVER FORD ROAD  
 PORTLAND, TENNESSEE 37156  
 PHONE: 615-818-2616 FAX: 615-818-2616  
 EMAIL: BRYAN.PRICE@BPEL.COM

|          |  |
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| DATE     |  |
| ISSUED   |  |
| REVISION |  |
| NO.      |  |
| DATE     |  |
| BY       |  |
| CHKD BY  |  |
| APP'D BY |  |



DATE: 01/11/17  
 DRAWN BY: BPE  
 CHECKED BY: BPE  
 APPROVED BY: BPE

CIVIL SITE DETAILS  
 PEAY PARK SPLASH PAD  
 CITY OF GOODLETTSVILLE  
 DAVIDSON COUNTY, TENNESSEE

DATE: 01/11/17  
 SHEET NO.: C5.2  
 OF NO.: 010-01