

**MISSOURI MOVES COST SHARE PROGRAM SUBMISSION FOR  
VETERANS WALK TO RIVERFRONT PARK  
IN JEFFERSON CITY, MISSOURI**

**Section A:**

**Name of Applicant:** City of Jefferson

**Other Names Under Which Applicant Does Business:** N/A

**Business Address:** 320 East McCarty Street  
Jefferson City, MO 65101

**Mailing Address:** Same as Above

**Contact Person Name:** Carrie Tergin

**Contact Person Title:** Mayor

**Mailing Address for Contact Person:** Same as Above

**Telephone:** (573) 634-6410

**Fax:** (573) 634-6489

**Email Address:** [ctergin@jeffcitymo.org](mailto:ctergin@jeffcitymo.org)

**Applicant Information:** The City of Jefferson is a municipal local government agency with a City Council comprised of 10 elected members from 5 wards in the City, along with a Mayor who presides over Council meetings. The City also has a Parks Commission of 9 members and a Parks Foundation comprised of many community members who have served on the Parks Commission in the past who also will work as partners in this project. The private donations already given to the project are committed to this project specifically and are housed within the Foundation. The

public funds available for the project are from previously voter-approved capital improvement sales taxes and are controlled by the City Council or Parks Commission. The Council, Commission and Foundation are committed to the project, and a Resolution to that affect was recently passed.

## **Section B:**

### **1. Project Name**

*Veterans Walk to Riverfront Park*

### **2. Location**

Veterans Walk is located within the Missouri State Capital Grounds in the City of Jefferson. Access to the Veterans Walk originates at the Veterans Memorial on the north side of the Capitol Building. The Walk proceeds between the Senate parking structure and the Veterans Memorial as it descends to cross the Union Pacific railroad tracks and curves to land on the western end of Adrian’s Island, a peninsula along the banks of the Missouri River.



The project is located in the City of Jefferson which is within the Capital Area Metropolitan Planning Organization (CAMPO) and the Mid-Missouri Regional Planning Commission.

A project location map is included in **Exhibit I** and an aerial image of the project is below.



### 3. Project Description

Our vision for the Veterans Walk to Riverfront Park is simple: to develop a safe and appealing access from the City of Jefferson to the Missouri River. The proposed project will provide a pedestrian/bike linkage that reconnects and restores the City with its historical relationship to the Missouri River. The project will also provide a platform to interpret intermodal transportation as it takes users across the Union Pacific Railroad Tucucari Line to the Missouri River with overlooks of the Jefferson City Memorial Airport (within 5,000 ft. of the project) and the US Highway 54/63 river crossing (within 3,500 ft. of the project).

The bridge will depart from the Capitol Grounds immediately next to the Veterans Memorial. It is anticipated that additional information honoring veterans will be added for visitors to view as they walk toward the bridge – making this piece known as the Veterans Walk.



Rendering of the Veterans Walk near the Veterans Memorial before departing on the bridge over the Union Pacific Railroad.

The Union Pacific Railroad is a man-made barrier between Jefferson City and the Riverfront Park land, with two main line tracks and four sidings, creating six total tracks to cross. The Union Pacific Railroad has gradually reduced crossing accident rates since 2002 but it is difficult to eliminate those pedestrian crossings without a safe facility like what is proposed with this project. The railroad company works with federal, state and local officials to promote safety at rail crossings and is working with our project team to accommodate a safe crossing. A permit application for this project was submitted in 2015 and a diagnostics meeting held with the Union Pacific in February 2016. Design Development Plans (30%) are being submitted to the Union Pacific in July 2016 for permit review. The proposed project will provide a safe crossing of these rail lines and set up perimeter fencing along the railroad right of way along the park to physically disconnect visitors, emergency crews and recreational users seeking access to the Missouri River from the active rail lines.



Rendering of the Veterans Walk over the Union Pacific Railroad with the 30-acre Riverfront Park along the Missouri River in the background.

The Missouri Capitol Complex receives over 400,000 visitors annually making the potential conflict of rail crossings significant. The Veterans Walk is an eight-span pedestrian/bicycle bridge connecting the Missouri State Capitol Grounds to the 30-acre park land located north of the Union Pacific Railroad. The proposed overpass will span the railroad and slope gently down to meet the existing ground elevation in the Riverfront Park. The slope of the trail and bridge will meet ADA standards, enabling all users to have access and enjoy the facility. The Riverfront Park

is envisioned to be a passive recreational area with trails to allow visitors to hike through the wooded area and experience the riparian environment along the banks of the Missouri River.

The 30-acre park is owned by the City of Jefferson Housing Authority and has already by board action been approved for transfer to the Jefferson City Parks & Recreation Commission once this access project is complete. The land was deeded to the Housing Authority of the City of Jefferson by the Adrian family in the 1970's for the enjoyment of all citizens. The island formed after the Corps of Engineers installed dikes in the Missouri River to create and maintain the navigable channel. Therefore, the land for this project is relatively "new" land formed by accretion of sediments over decades of time, and now is forested. The Section 106 clearance is not considered significant since the land on the river side is not culturally significant. The other portions of the project where disturbance would occur are in the close proximity to previously disturbed land such as near the Veterans Memorial and Senate Garage. An old stone wall exists between the railroad and the Senate Garage, but the project will not disturb that wall.

The project has been submitted to the US Army Corps of Engineers because of its proximity to the Missouri River. The project will not disturb the navigation dikes in any way, and actually will not have construction below the ordinary high water mark of the Missouri River. US Army Corps of Engineers representatives have walked the site with the project team and confirmed that the only permitting concern is the potential for wetlands on the island, however, it was clear from the site visit that the project would disturb minimal areas that even have the potential to be classified as wetlands, and therefore would be under the threshold of the Nationwide Permit programs. The US Army Corps of Engineers will do a wetland delineation and process the permitting request upon the project's funding and schedule becoming more defined. With the grant award, all of the project funding will be secured and this permit can be obtained within the project timeline in this application because of the preparation work already completed by the project team.

It is anticipated that the project team will work with MoDOT's Environmental Section through the typical Request for Environmental Services (RES) to achieve a Categorical Exclusion (CE) for this project.

The conceptual plan documents are included in **Exhibit II** for your review.

#### **4. Significance and Need**

The City of Jefferson is a riverfront community without access to its riverfront. Efforts to reconnect the City with the river date back to the development of the Capitol Building.

A sketch of the architect's original concept of the Capitol, circa 1912, showed a promenade crossing two rail tracks and extending down the riverbank. For budgetary reasons the site improvements to the Capitol were deleted from the original project.



From 1932-1986, approximately 15 separate studies had been conducted to develop access to the riverfront in Jefferson City. Since 1986, more than half a dozen more studies have been completed by the Corps of Engineers, consultants and others attempting to connect the city with Adrian's Island.

Adrian's Island is the result of the U.S. Army Corps of Engineers' rock dikes built in the 1960s to maintain a nine-foot minimum channel depth, which caused the accumulation of sediment and river bottom. The island formed as what is known as accreted lands. This 30-acre island stretches about from Wears Creek to Chestnut Street on the east. The Veterans Walk will benefit the City of Jefferson and the State Capitol Complex by re-connecting the City and the Capitol to its historical riverfront and heritage. Access to the island will enhance tourism in the area by connecting visitors using the Katy Trail, Missouri River Bridge, State Capitol, City Greenway System and Riverfront Park.



In addition, the following benefits will be attributed to the proposed project:

- Over 70% of the funding sources for this project are private donations or dedicated funds, approved by voters.
- The Veterans Walk eliminates the conflict of an at-grade rail crossing and improves safety and access for pedestrians.
- River level records from the past 10 years indicate most of the island is available 94% of the time.
- The Veterans Walk offers a future connection to the proposed redeveloped Missouri State Penitentiary.
- The project would reestablish our historic connection to the river. This type of use is endorsed and encouraged by the Army Corps of Engineers as it provides access to river recreation activities and interpretation.
- Provides opportunities to interpret a diverse transportation system – river, road, air and rail through breathtaking views from the bridge.
- The project will bring economic activity to the region in terms of construction jobs, but also in terms of tourism in the capital city.
- Enhances the community' wellness as well through recreational, educational, and cultural opportunities and experiences.
- Provides accessibility for persons with disabilities.
- Economic benefits for business, revitalization and transportation options.
- Cooperation and Collaboration in many levels of government and private enterprise.

Over 400,000 tourists and visitors are attracted to the State Capitol each year. In addition, the nearby Katy Trail State Park (one of the nation's longest rails-to-trails conversions) boasts many riders throughout the year, all who bring business to the city. It is estimated that approximately 380,000 users annually visit the Katy Trail and 37% of these stay overnight. Other adjacent attractions include The Governor's Mansion, Lohman's Landing State Historic Site, Carnahan Memorial Garden, Lewis and Clark Trailhead Monument, Cole County Historical Museum, Missouri Veterans Memorial, and including shops, restaurants and hotels. Immediately adjacent to the project is the Jefferson City AMTRAK Station which serves as a multi-modal transportation alternative.

## 5. Funding / Financial Participation

The fund sources for the proposed project are identified below:

|   |                             |
|---|-----------------------------|
| (1) City Sales Tax "B" Riverfront             | \$345,218                   |
| (2) City Sales Tax "E" Greenways              | \$214,763                   |
| (3) City Parks Sales Tax – Greenways          | \$185,000                   |
| (4) City Sales Tax "E" Riverfront / Greenways | \$69,000                    |
| (5) Deborah Cooper Foundation                 | \$142,582                   |
| (6) Private Donations                         | \$1,320,000*                |
| <b>SUBTOTAL (LOCAL MATCH)</b>                 | <b>\$2,276,563 (70.15%)</b> |
| <b>PROJECT COSTS (TOTAL)</b>                  | <b>\$3,245,390</b>          |
| <b>GRANT AMOUNT REQUESTED</b>                 | <b>\$968,827 (29.85%)</b>   |

\*Private Donations have been committed to by generous Jefferson City citizens and institutions and some example letters of commitment are in this application.

## 6. Timeline & Project Schedule

The project is currently at Design Development Plans (30%). Conceptual Design was initiated in 2015. A detailed work plan/schedule for the project is included in this application as **Exhibit III**.

The project team is confident that the construction can begin in the spring of 2017. The cost share dollars will be obligated and significantly spent by June of 2017. Overall project timeline components are outlined below:

**Permitting:** As mentioned in Section 3 above, a US Army Corps of Engineers 404 Nationwide Permit is expected and is in process, awaiting a funding decision to obtain the permit. The only other permits anticipated are an NPDES Land Disturbance Permit from Missouri Department of Natural Resources (easily obtained within 30-60 days).

**Floodplain Development Permit** from the City of Jefferson has already been discussed with City staff and will be a quick turnaround as the design is keeping all

construction components outside the FEMA Floodway (piers are only in the Floodplain), not requiring a No Rise certification.

**Utility Coordination:** The field surveys for the project have already been conducted and the only utility conflict expected is the overhead transmission lines on the north side of the Union Pacific Railroad. Ameren Missouri owns these facilities and have already conducted their conceptual design to raise these transmission lines. They are only awaiting the go-ahead to finalize design and construction, once funding is secured. The cost of raising these facilities was provided by Ameren Missouri and that cost is in the project budget.

**Union Pacific Coordination:** As discussed above, a permit application has already been presented to the UPRR and a Diagnostics Meeting held with UPRR and MoDOT Intermodal personnel. An engineering report and the Design Development plans are being submitted to the UPRR in July 2016 to continue the coordination.

**State of Missouri Coordination:** The project will involve construction of a concrete trail and some bridge abutment components on State of Missouri property at the Capitol Complex. Coordination of these items has been conducted and the State of Missouri Office of Administration has provided approval to proceed with the project. The improvements on state property will remain state property. A long term maintenance agreement between the City of Jefferson and the State of Missouri is planned to cover maintenance of those components. That agreement is pending funding and final plans for the project to determine the final timeline and components.

**Right of Way/Easements:** The City already owns the island property and the coordination with the State of Missouri is already complete (maintenance agreement only) and permit to cross the UPRR, there are no acquisitions necessary for this project.

## Section C: Project Funding

### 1. Estimated Project Costs \$3.245 Million

#### Project Estimate and Funding Chart:

|                             | Estimated Project Costs | Services Performed By | Funding Sources  | Current Status |
|-----------------------------|-------------------------|-----------------------|------------------|----------------|
| Engineering                 | \$300,000               | Consultant            | Private Donation | 30% Complete   |
| Environmental Assessment    | \$0                     | Consultant            | Private Donation | Included above |
| ROW Acquisition             | \$0                     | N/A                   | N/A              | Already owned  |
| ROW Acquisition Incidentals | \$0                     | N/A                   | N/A              | Already owned  |
| Utilities                   | \$150,000               | Ameren MO             | Private Donation | 30% Design     |
| Construction Contract       | \$2,514,390             | Contractor            | Local/Grant      | TBD            |
| Construction Contingencies  | \$251,000               | Contractor            | Local/Grant      | TBD            |
| Construction Engineering    | \$0                     | City                  | City             | TBD            |
| Other                       | \$30,000                | UPRR Permit           | Private Donation | In process     |
| <b>TOTAL</b>                | <b>\$3,245,390</b>      |                       |                  |                |

See Exhibit V for Detailed Cost Estimate

#### Summary of Financial Responsibilities

|                                  |                    |               |
|----------------------------------|--------------------|---------------|
| Applicant*                       | <b>\$2,276,563</b> | <b>70.15%</b> |
| Other                            | \$                 | %             |
| <b>MO Moves Cost Share Funds</b> | <b>\$968,827</b>   | <b>29.85%</b> |
| Total                            | <b>\$3,245,390</b> | 100%          |

\*Applicants are responsible for any overruns. See Section B, Item 5 for further breakdown of Applicant's funds available.

**2. Services Performed by:**

The Consultant Services for surveying, design, and engineering plans are being provided by Bartlett & West, Inc. Contact info is below:

Bartlett & West, Inc.  
1719 Southridge Drive Suite 100  
Jefferson City, MO 65109  
(573) 634-3181  
Bob Gilbert, PE

**3. Funding Sources:**

The funding sources are listed in Section B, Item 5.

**4. Current Status**

Design is 30% complete. An explanation of the project status is included in Section B, Item 6 above.

**Exhibit III** - a detailed work plan and project schedule is attached.

**Exhibit IV** – the Design Development drawings are also attached.

**Additional Project Information:**

|  |  |
|--|--|
| Who is designing the project?  | Consultant – Bartlett & West, Inc.   |
| Design plans are what percent complete?  | 30% +  |
| Is the project ready to advertise for construction bids?                           | No, next step is Final PS&E  |
| Who is letting the project?  | City of Jefferson  |
| What is the estimated letting date?  | Feb 1, 2017  |
| Current Average Daily Traffic (ADT) or similar information for multimodal projects | N/A – UPRR traffic data is not available as that is proprietary data.  |
| Future ADT and Year or similar information for multimodal projects                 | N/A  |
| Length of project (miles)  | 0.23 miles   |
| Is ROW acquisition required? If yes, who will be acquiring the ROW?                | No   |
| Extent of preliminary work completed   | Survey, Design Development (30%), utility coordination, UPRR coordination, State of MO Office of Administration coordination, US Army Corps of Engineers 404 Permit processes all underway with known design considerations and timelines/budgets. |

## ***Section D - Applicant Certification***

*Please have the appropriate District Office or Multimodal Operations Division at the Central Office fill out Section D.*

- 1. Federal Requirements.** This project complies with, and/or will comply with, the requirements of (check all that apply):

Title 23 of the U.S. Code

Title 49 of the U.S. Code

- 2. National Environmental Policy Act.** The project complies with, and/or will comply with, all provisions of the National Environmental Policy Act of 1969 (42 W.S.C. 4321 et seq.).

Yes  No  if no, explain on an attached sheet.

The project (check all that apply):

Yes  No  Received a Categorical Exclusion. (**A CE is anticipated**)

Yes  No  Received a Finding of No Significant Impact (FONSI).

Yes  No  Circulated a Draft Environmental Impact Statement.

Yes  No  Circulated a Final Environmental Impact Statement.

Yes  No  Received its Record of Decision. (If no, provide on an attached sheet the estimated date for receipt of the Record of Decision.)

- 3. Uniform Relocation.** This project complies with, and/or will comply with, all provisions of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1070 (42 U.S.C. 4601 et seq.).

Yes  No  if no, explain on an attached sheet.

- 4. Civil Rights.** This project complies with, and/or will comply with, all provisions of Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq.).

Yes  No  if no, explain on an attached sheet.

- 5. Buy America.** This project complies with, and/or will comply with, all federal Buy America provisions.

Yes  No  if no, explain on an attached sheet.

- 6. Manual of Uniform Traffic Control.** This project complies with, and/or will comply with, all provisions of 23 Code of Federal Regulations, Part 655, Subpart F, and Manual of Uniform Traffic Control.

Yes  No  if no, explain on an attached sheet.

Not applicable (multimodal projects)

- 7. Other Requirements as Applicable.** This project complies with, and/or will comply with, all other applicable provisions of federal law.

Yes  No  if no, explain on an attached sheet.

- 8. Lobbying.** Section 1352 of Title 31, United States Code, provides that none of the funds appropriated by any Act of Congress may be expended by a recipient of a contract, grant, loan, or cooperative agreement to pay any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, or an employee of a Member of Congress in connection with the award or making of a federal contract, grant, loan or cooperative agreement or the modification thereof. MoDOT interprets this provision to include the use of appropriated funds to influence or attempt to influence the funding of a transportation project supported or partially supported by federal funds.

**SECTION E - Submission Acknowledgment**

*As the Applicant or as an authorized representative of the Applicant, I hereby submit this MoDOT Partnership Development Application and represent that the statements contained herein are true and correct to the best of my knowledge. We believe that the assumptions underlying the Project Funding are reasonable and appropriate. Further, we have made available all significant information that we believe is relevant to the Project Funding and, to the best of our knowledge and belief, the documents and records supporting the assumptions are appropriate. I also understand that the acceptance and consideration of this application does not constitute approval by the Missouri Highways and Transportation Commission.*

Carrie Tergin

Carrie Tergin  
**Typed or Printed Name**

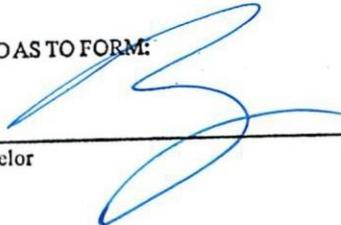
Mayor, City of Jefferson  
**Title**

July 28, 2016  
**Date**

*\* Application requires a letter of support from the MoDOT District Engineer and the Metropolitan Planning Organization or Regional Planning Commission.*

*Submit application to: Financial Services Division, Missouri Department of Transportation, P.O. Box 270, Jefferson City, MO 65102 (Phone 573/526-8106)*

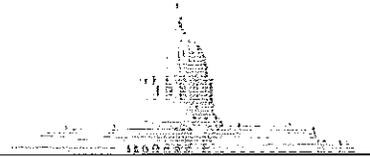
APPROVED AS TO FORM:

  
City Counselor



***SECTION F – Letters of Support***

# Capital Area Metropolitan Planning Organization



Room 120 320 E. McCarty, Jefferson City, MO 65101 Phone 573.634.6410 Fax 573.634.6457

July 22, 2016

Missouri Department of Transportation  
Financial Services Division  
P.O. Box 270  
Jefferson City, MO 65102

RE: Letter of Support – Veterans Walk To Riverfront Park In Jefferson City, MO

The City of Jefferson's *Veterans Walk To Riverfront Park* Missouri Moves Cost Share Application project will create a public destination that is attractive to all citizens. It would provide safe community access to a previously inaccessible public space, while honoring Missouri veterans.

Access to Adrian's Island has been a long-sought after project for many years. The CAMPO Metropolitan Transportation Plan explicitly encourages "expanding opportunities for bicycle and pedestrian facilities" and promotes connectivity and completion of the greenway trail system within its boundaries. The Veterans Walk project serves to achieve both of these goals. A transportation project providing access to Adrian's Island had previously been programmed into the CAMPO Transportation Improvement Program, but was withdrawn due to technical issues.

A project providing access to Adrian's Island has also been identified in several other plans including the *2007 Jefferson City Greenway Plan*, the *2011 Greening of America's Capitals*, and the *2010 Transformation*, an economic development strategic plan spearheaded by the Jefferson City Area Chamber of Commerce. All three of the aforementioned plans were developed with thorough and extensive public participation.

In conclusion, CAMPO supports the efforts of the City of Jefferson as they seek funding from the Missouri Moves Cost Share Program to enhance trail and riverfront access in the community.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sonny Sanders".

Sonny Sanders  
Senior Transportation Planner



Jeremiah W. (Jay) Nixon  
Governor

State of Missouri  
**OFFICE OF ADMINISTRATION**  
Post Office Box 809  
Jefferson City, Missouri 65102  
Phone: (573) 751-1851  
Fax: (573) 751-1212

Doug Nelson  
Commissioner

July 22, 2016

Missouri Department of Transportation  
Attention: Financial Services  
105 W. Capitol Avenue  
Jefferson City, MO 65102

**RE: Missouri Moves Cost Share Program – Application for Veterans Walk to Riverfront Park in Jefferson City, MO**

Dear Selection Committee:

The City of Jefferson via its Parks, Recreation and Forestry Department has developed a plan to provide pedestrian and bicycle access to the riverfront in Jefferson City. The Missouri River has been part of the identity of the City of Jefferson and State Government since its inception as the State Capital, however, the development of transportation systems such as the Union Pacific Railroad have cut off access to the riverfront over the years. The City of Jefferson owns a 30-acre natural area that has long been desired as a riverfront park, but access to that park has been a challenge since the land was granted to the City in the early 1970's. Attempts to access the land have come close in the past to creating the link between the City and the parkland, but have not developed to the point of making the connection. However, now a new vision of spanning the railroad with an overhead ramp-like structure from the State Capitol Complex has re-energized the possibility of gaining access. Private donors have come forward with major gifts to supplement the local sales tax funds that were already dedicated to the project previously, and now with the Missouri Moves Cost Share Program, the project could move forward right away.

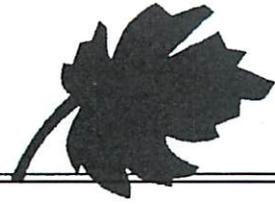
This project has the potential to have statewide significance because of its location at our State's Capitol building. Over 400,000 visitors come to this location each year, and having this trail opportunity would serve as a vital and safe link to the 30-acre Riverfront Park that the City already owns. On their trip across the bridge to the park, visitors will be able to interpret the many forms of transportation this state has to offer – Railroad, the Missouri River, the Jefferson City Memorial Municipal Airport, and the Hwy 54/63 Bridge over the Missouri River, not to mention the City of Jefferson's Greenway Trail system which this trail will be connected to.

The State of Missouri Office of Administration is pleased to be partner in this project by endorsing it and allowing access from the north side of the Capitol grounds between the Missouri State Senate Parking garage and the Missouri Veterans Memorial.

Sincerely,

A handwritten signature in black ink, appearing to read "Doug Nelson".

Doug Nelson, Commissioner  
Office of Administration



# Jefferson City Parks and Recreation Foundation

**Officers**  
Kay Toft  
*President*  
Rudy Veit  
*Vice-President*  
Mark Towner  
*Secretary/Treasurer*



**Board of Directors**  
Brad Bates  
Gene Bushmann  
Denise Chapel  
Glenda Fry  
Greg Gaffke  
Andre Grinston  
Cindy Layton  
Stu Murphy  
Bill Plank  
Lindsey Rowden  
Bob Weber  
Chris Wilson



**Members**  
Bill Case  
Homer Cavitt  
Steve Duncan  
Bob Ferris  
Brad Hutchison  
Anne Lock  
Marty Miller  
Dr. R.G. Palmer  
Charles Palmer  
John Pelzer  
Gart Pollard  
Dr. Bryan Pope  
Steve Rollins  
Joanne Scheperle  
Karl Staub  
Ken Theroff  
Larry Vincent  
Edith Vogel  
Heidi Doerhoff Vollet  
Phyllis Willibrand  
Ryan Wilson



Todd A. Spalding  
*Executive Director*  
Philip Stiles -  
*Executive Secretary*

July 19, 2016

Missouri Department of Transportation  
Attention: Financial Services  
105 W Capitol Avenue  
Jefferson City, MO 65102

RE: Missouri Moves Cost Share Program – Application for Veterans Walk to Riverfront Park in Jefferson City, MO

Dear Selection Committee:

The access to the riverfront in Jefferson City, MO has long been a goal of the community. The Missouri River has been part of the identity of the City of Jefferson since its inception as the State Capital; however, the development of transportation systems such as the Union Pacific Railroad has cut off access to the riverfront over the years. The City of Jefferson owns a 30-acre natural area that has long been desired as a riverfront park, but access to that park has been a challenge since the land was granted to the City in the early 1970's. Attempts to access the land have come close in the past to creating the link between the City and the parkland, but have not developed to the point of making the connection. However, now a new vision of spanning the railroad with an overhead ramp-like structure from the state Capitol Complex has re-energized the possibility of gaining access. Private donors have come forward with major gifts to supplement the local sales tax funds that were already dedicated to the project previously, and now with the Missouri Moves Cost Share Program, the project could move forward right away.

The project is uniquely positioned to start very soon. The conceptual plans were completed in 2015 and now survey and design development plans (30% - which are already included with the application) are done, enabling the project issues to be well understood. As the application identifies, the Union Pacific Railroad permit approval process is already in motion, the utility relocation design is already at a conceptual level and only needs the go ahead, the State of Missouri Office of Administration has already approved the location on the Capitol Complex, and the Corps of Engineers have already investigated the site and permit conditions which will not hold up construction.

This project, upon completion, has the potential to have statewide significance because of its location at our State's Capitol building. Over 400,000 visitors come to this location each year, and having the trail opportunity would serve as a vital and safe link to the 30-acre Riverfront Park that the City already owns. On their trip across the bridge to the park, visitors will be able to interpret the many forms of transportation this state has to offer - Railroad, the Missouri River, the Jefferson City Memorial Municipal Airport, and the Hwy 54/63 Bridge over the Missouri River, not to mention the City of Jefferson's Greenway Trail system.

For these reasons, the Jefferson City Parks and Recreation Foundation is especially excited about this opportunity to complete a long-envisioned connection in our greenway system that will not only be a benefit to our community, but to all citizen of the State of Missouri.

Sincerely,

Kay Toft, President  
Jefferson City Parks and Recreation Foundation

Missouri Department of Transportation

1511 Missouri Blvd.  
P.O. Box 718  
Jefferson City, Missouri 65102  
573.751.3322

July 22, 2016

Missouri Department of Transportation

Attention: Financial Services

105 W. Capitol Avenue

Jefferson City, MO 65102

**RE: Missouri Moves Cost Share Program – Application for Veterans Walk to Riverfront Park in Jefferson City, MO**

Dear Selection Committee:

The access to the riverfront in Jefferson City, MO has long been a goal of the community. The Missouri River has been part of the identity of the City of Jefferson since its inception as the State Capital, however, the development of transportation systems such as the Union Pacific Railroad have cut off access to the riverfront over the years. The City of Jefferson owns a 30-acre natural area that has long been desired as a riverfront park, but access to that park has been a challenge since the land was granted to the City in the early 1970's. Attempts to access the land have come close in the past to creating the link between the City and the parkland, but have not developed to the point of making the connection. However, now a new vision of spanning the railroad with an overhead ramp-like structure from the State Capitol Complex has re-energized the possibility of gaining access. Private donors have come forward with major gifts to supplement the local sales tax funds that were already dedicated to the project previously, and now with the Missouri Moves Cost Share Program, the project could move forward right away.

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and the Corps of Engineers have already investigated the site and permit conditions which will not hold up construction.

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For these reasons, I am in support of this application to move Missouri forward.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Silvester', written in a cursive style.

David Silvester, P.E.

District Engineer – Central District, MoDOT



July 26, 2016

Missouri Department of Transportation  
Attention: Financial Services  
105 W. Capitol Ave.  
Jefferson City, MO 65102

RE: Missouri Moves Cost Share Program  
Application for Veterans Walk to Riverfront Park in Jefferson City, MO

Dear Selection Committee:

Nearly 200 years ago, Lohman's Landing, a sleepy but centrally located stop in Missouri was chosen as the site for the new state capital. Today, the majestic Missouri River and its tree-lined bluffs are still captivating to our residents and visitors. City of Jefferson is unique in that we are a city with a State Capitol, decommissioned Missouri State Penitentiary and the Missouri River.

The Missouri State Capitol had approximately 350,000 visitors last year and with the location of the Veterans Walk to Riverfront Park would add a unique experience for our visitors coming into Jefferson City. Our city has experienced an increase in visitors that are traveling on the Katy Trail and are coming across the Missouri River Pedestrian/Bike Bridge into Jefferson City. The Veterans Walk to Riverfront Park would give our visitors an opportunity to see the beauty of Jefferson City and be able to embrace the Missouri River. As visitors are walking the path, they will be able to witness the various forms of transportation that are available to access our community - Railroad, the Missouri River, the Jefferson City Memorial Municipal Airport, the Highway 54/63 Bridge over the Missouri River and the City of Jefferson's Greenway Trail system which will connect to this trail.

On behalf of the Jefferson City Convention & Visitors Bureau we support the Veterans Walk to the Riverfront Park project and know that this will be an added attraction for our visitors to experience while visiting Jefferson City.

Sincerely,

Diane Gillespie  
Executive Director



July 27, 2016

Missouri Department of Transportation  
Attention: Financial Services  
105 W. Capitol Avenue  
Jefferson City, MO 65102

**RE: Missouri Moves Cost Share Program  
Application for Veterans Walk to Riverfront Park in Jefferson City, MO**

Dear Selection Committee:

The access to the riverfront in Jefferson City, MO has long been a goal of the community. The Missouri River has been part of the identity of the City of Jefferson since its inception as the State Capital, however, the development of transportation systems such as the Union Pacific Railroad have cut off access to the riverfront over the years. The City of Jefferson owns a 30-acre natural area that has long been desired as a riverfront park, but access to that park has been a challenge since the land was granted to the City in the early 1970's. Attempts to access the land have come close in the past to creating the link between the City and the parkland, but have not developed to the point of making the connection. However, now a new vision of spanning the railroad with an overhead ramp-like structure from the State Capitol Complex has re-energized the possibility of gaining access. Private donors have come forward with major gifts to supplement the local sales tax funds that were already dedicated to the project previously, and now with the Missouri Moves Cost Share Program, the project could move forward right away.

The project is uniquely positioned to start very soon. The conceptual plans were completed in 2015 and now survey and design development plans (30% - which are already included with the application) are complete, enabling the project issues to be well understood. As the application identifies, the Union Pacific Railroad permit approval process is already in motion, the utility relocation design is already at a conceptual level and only needs the go ahead, the State of Missouri Office of

Page 2  
Missouri Department of Transportation  
**Missouri Moves Cost Share Program**  
July 27, 2016

Administration has already approved the location on the Capitol Complex, and the Corps of Engineers have already investigated the site and permit conditions which will not hold up construction.

This project, upon completion, has the potential to have statewide significance because of its location at our State's Capitol building. **Over 400,000 visitors come to this location each year, and having this trail opportunity would serve as a vital and safe link to the 30-acre Riverfront Park that the City already owns.** On their trip across the bridge to the park, visitors will be able to interpret the many forms of transportation this state has to offer – Railroad, the Missouri River, the Jefferson City Memorial Municipal Airport, and the Hwy 54/63 Bridge over the Missouri River, not to mention the City of Jefferson's Greenway Trail system which this trail will be connected to.

For these reasons, the Jefferson City Area Chamber of Commerce is in full support of this application and beg your consideration to move Missouri forward.

Sincerely,



Randall G. Allen, President/CEO  
Jefferson City Area Chamber of Commerce

July 1, 2016

RE: Jefferson City, Missouri Riverfront Project for Adrian's Island –  
Matching State Grant Application

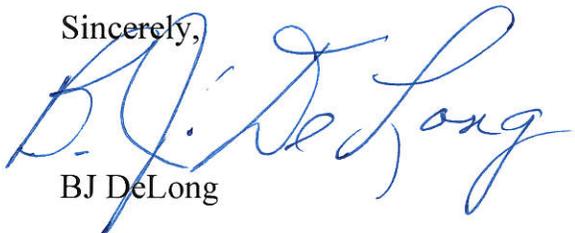
Dear Sir or Madame:

Please accept this letter in support of the matching State Grant application for the Riverfront Project for Adrian's Island in Jefferson City, Missouri. To date I have made contributions totaling \$100,000.00 toward the plan to develop the Riverfront Project on Adrian's Island on the Missouri River in Jefferson City, Missouri.

It is my current intention, conditioned upon my understanding of the expected realization of the project's completion, to contribute during my lifetime additional funds along with the funds I have already contributed up to a combined total of one million dollars.

Because it has been my desire for many years, I am in one hundred percent support of the Adrian's Island Riverfront Project and I recognize the need for the City of Jefferson to receive this matching grant in order to realistically attain the project's completion. I am aware any additional contributions I would make would be insufficient without the inclusion of this grant.

Sincerely,



BJ DeLong

# Central Bancompany



July 26, 2016

Missouri Department of Transportation

Financial Services

105 W. Capital Avenue

Jefferson City, MO 65102

RE: Missouri Moves Cost Share Program – Application for Veterans Walk to Riverfront Park in Jefferson City, MO

Dear Selection Committee:

Access to the riverfront in Jefferson City, MO has long been a goal of the community, as well as a goal of Mr. Sam B Cook. The Missouri River has been part of the identity of the City of Jefferson since its inception as the State Capital, however, the development of transportation systems such as the Union Pacific Railroad truncated access to the riverfront.

The City of Jefferson owns a 30-acre natural tract that has long been desired as a riverfront park, but access to that park has been a challenge since the land was granted to the City in the early 1970's. Attempts to develop access have come close in the past, but have not developed to the point of making the physical connection. However, a new project to span the railroad from the State Capitol Complex has re-energized the feasibility and goal of gaining access.

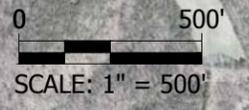
Central Bank is supporting and making a major gift to supplement other donations, as well as the local sales tax funds dedicated to the project previously, to enable the proposed project to move forward.

Central Bank is in support of this application to move Missouri forward.

Sincerely,

David Minton

President



**EXHIBIT I:  
PROJECT LOCATION MAP**

**PROJECT LOCATION**

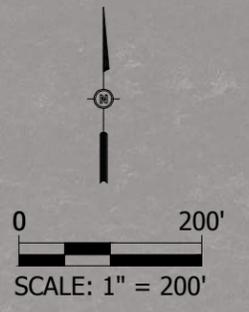
30-ACRE  
RIVERFRONT  
PARK



Drawing Name: C:\pvd\pva\mtd\282\Gent\Application Exhibits.dwg Layout Name: Exhibit I Printed By: AK31272 Printed on: 7/14/2016 2:21:43 PM

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**STATE  
CAPITOL**

**AMTRAK  
STATION**

**MISSOURI RIVER**

TRAIL NETWORK

JEFFERSON STREET

CAPITOL AVENUE

MADISON STREET

MONROE STREET

HIGH STREET

**UNION PACIFIC RAILROAD**

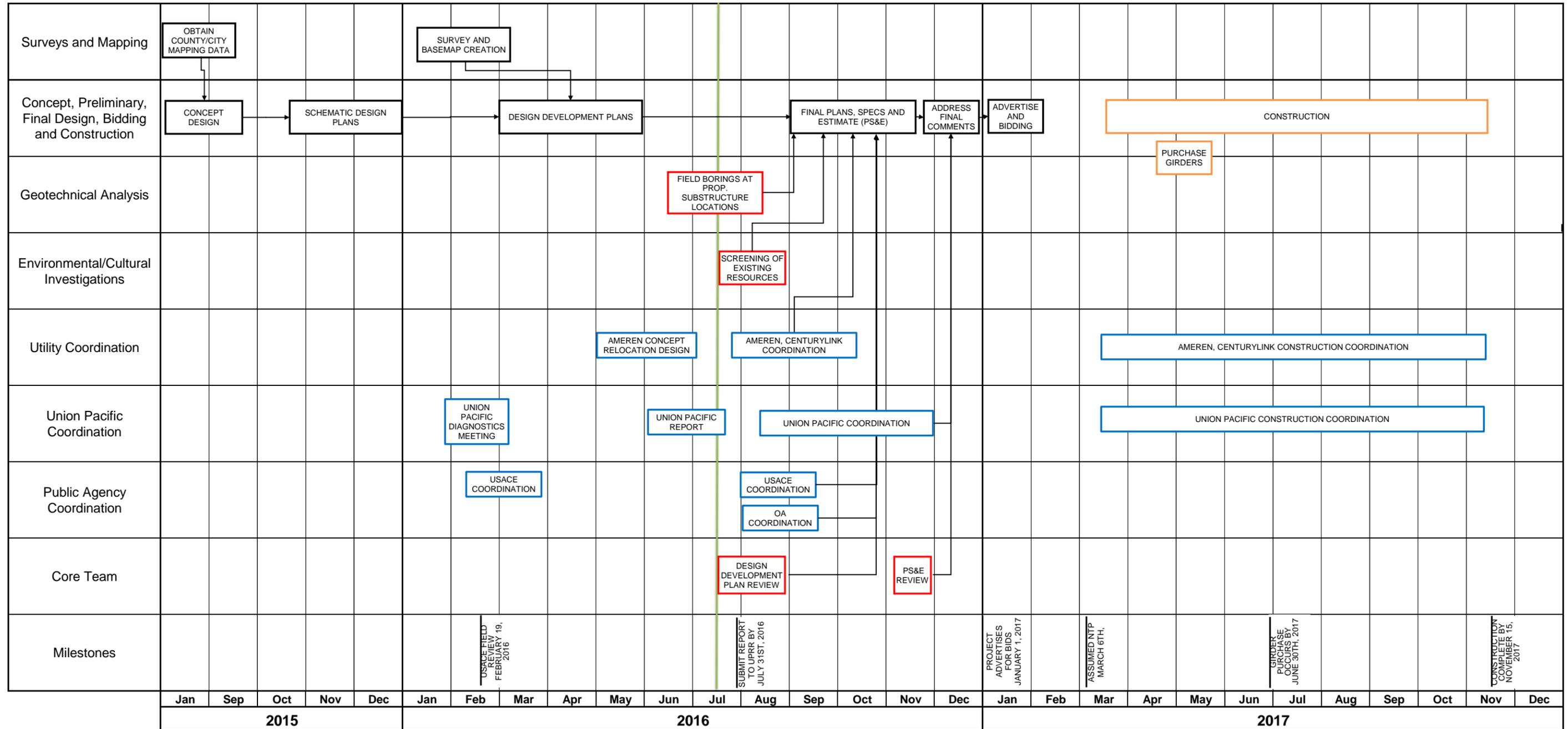
**EXHIBIT II:  
AERIAL PHOTO WITH  
PROJECT SITE PLAN**



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**EXHIBIT III**  
**VETERANS WALK TO JEFFERSON CITY RIVERFRONT PARK**  
**Workplan/Schedule**  
July 2016

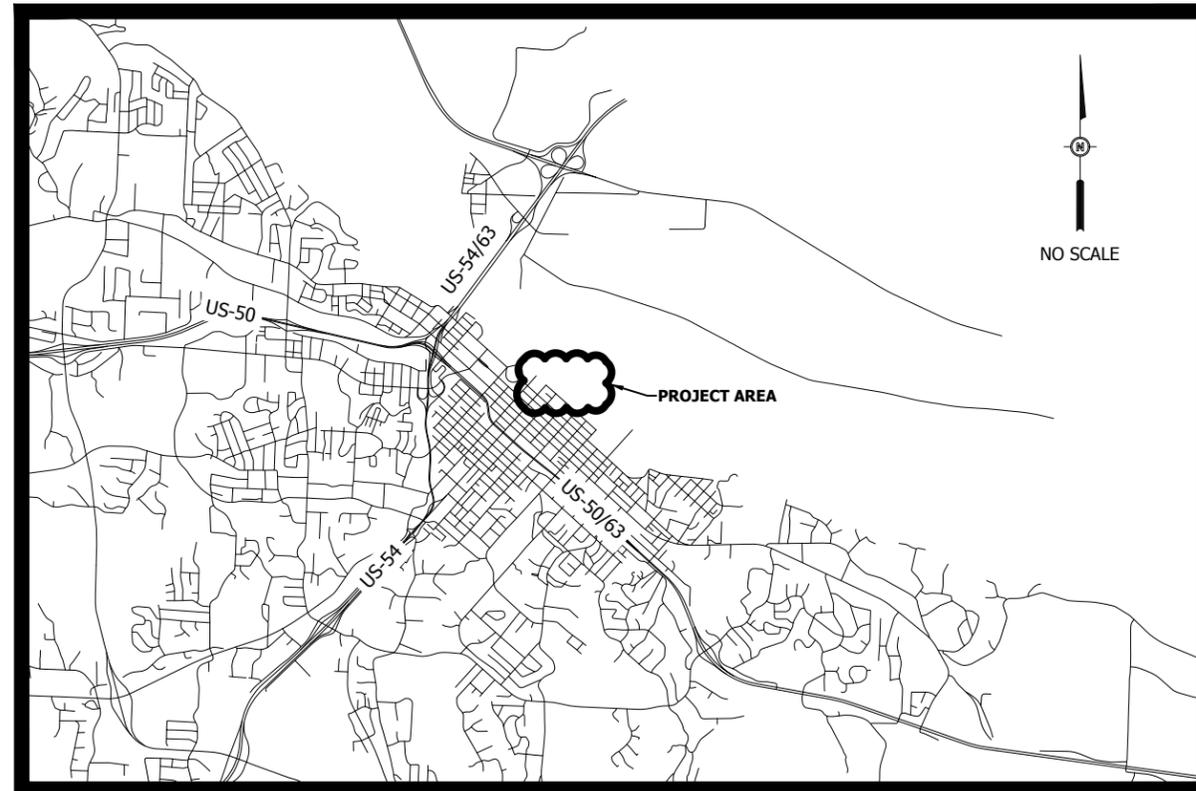
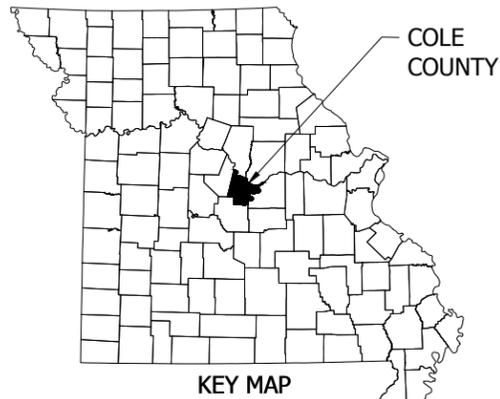


# EXHIBIT IV

## VETERANS WALK TO JEFFERSON CITY RIVERFRONT PARK

JULY 2016

### DESIGN DEVELOPMENT PLANS



#### LEGEND

|   |                          |   |                         |
|---|--------------------------|---|-------------------------|
|    | BILLBOARD                |    | ROOF DRAIN              |
|    | BORE HOLE or DRILL HOLE  |    | CURB INLET              |
|    | LANDSCAPE BOULDER        |    | SANITARY MANHOLE        |
|    | WELL                     |    | CLEANOUT                |
|    | FLAG POLE                |    | YARD HYDRANT            |
|    | SATELLITE DISH           |    | WATER SPRINKLER         |
|    | POST                     |    | WATER MANHOLE           |
|    | MAILBOX                  |    | WATER METER             |
|    | TWO POLE SIGN            |    | WATER VALVE             |
|    | ONE POLE SIGN            |    | FIRE HYDRANT            |
|    | PARKING METER            |    | LIGHT                   |
|    | STOP SIGN                |    | FLOOD LIGHT             |
|    | GAS REGULATOR            |    | LUMINARY (STREET LIGHT) |
|    | GAS RISER                |    | MANHOLE COVER           |
|    | GAS TEST STATION         |    | MISCELLANEOUS TOPO ITEM |
|    | GAS METER                |    | FINISH FLOOR            |
|    | GAS VALVE                |    | MIN. OPENING ELEV.      |
|    | UTILITY POLE             |    | STUMP                   |
|    | GUY POLE                 |    | SHRUB                   |
|    | GUY ANCHOR               |    | DECIDUOUS TREE          |
|   | TELEPHONE PEDESTAL       |   | EVERGREEN SHRUB         |
|  | TELEPHONE MANHOLE        |  | EVERGREEN TREE          |
|  | CABLE TV PEDESTAL        |   |                         |
|  | ELECTRIC MANHOLE         |   |                         |
|  | ELECTRIC METER           |   |                         |
|  | TRANSFORMER/ELECTRIC PAD |   |                         |
|  | AIR CONDITIONER          |   |                         |
|  | HAND HOLE                |   |                         |
|  | TRAFFIC SIGNAL           |   |                         |
|  | TRAFFIC SIGNAL BOX       |   |                         |
|  | SIGNAL MANHOLE           |   |                         |
|  | STORM MANHOLE            |   |                         |
|  | AREA INLET               |   |                         |
|  | ELECTRIC                 |   |                         |
|  | CABLE TELEVISION         |   |                         |
|  | TELEPHONE                |   |                         |
|  | SANITARY SEWER           |   |                         |
|  | GAS                      |   |                         |
|  | WATER                    |   |                         |

#### SURVEY MONUMENTATION

|   |                                 |
|---|---------------------------------|
|  | BENCHMARK                       |
|  | TEMPORARY BENCHMARK             |
|  | R/W MARKER                      |
|  | FOUND SURVEY MONUMENT           |
|  | SET SURVEY MONUMENT             |
|  | SET SURVEY MONUMENT IN CONCRETE |
|  | CALCULATED SURVEY POINT         |
|  | CHISELED CROSS FOUND            |
|  | CHISELED CROSS SET              |

#### UTILITY CONTACTS:

|  |   |
|--|---|
| City of Jefferson – Wastewater<br>Eric Seaman<br>320 East McCarty Street<br>Jefferson City, MO 65101<br>573-634-6443 | Ameren Missouri – Electric<br>Chris Bruemmer<br>1310 Industrial Drive<br>Jefferson City, MO 65109<br>573-681-7512 (office)<br>573-619-5380 (mobile) |
| City of Jefferson – Streets<br>Britt Smith<br>320 East McCarty Street<br>Jefferson City, MO 65101<br>573-634-6450    | Ameren Missouri – Gas<br>Jake Martin<br>PO Box 1558<br>Jefferson City, MO 65102<br>573-681-7550 (office)<br>573-291-1978 (mobile)                   |
| Missouri American Water<br>Dan Vanderfeltz<br>906 High Street<br>Jefferson City, MO 65109<br>573-257-0272            | CenturyLink<br>Allen Groner<br>3546 North Ten Mile Drive<br>Jefferson City, MO 65109<br>573-681-2503  |
| Mediacom<br>David Cooke<br>1211 Wilkes Boulevard<br>Columbia, MO 65201<br>573-489-3364                               |   |

| SHEET | TITLE                        |
|-------|------------------------------|
| 1     | COVER SHEET                  |
| 2     | GENERAL NOTES AND QUANTITIES |
| 3     | TYPICAL SECTIONS             |
| 4     | OVERALL LAYOUT SHEET         |
| 5     | ALIGNMENT TABLE              |
| 6-10  | PLAN PROFILE SHEETS          |
| 11-12 | TRAIL DETAIL SHEETS          |
| 13-15 | BRIDGE SHEETS                |
| 16-18 | CROSS SECTIONS               |

City of Jefferson, Missouri  
Carrie Tergin, Mayor

Department of Public Works  
320 East McCarty Street Jefferson City, Missouri 65101  
Phone: (573) 634-6410 Fax: (573) 634-6562  
www.jeffcitymo.gov  
Matthew J. Morasch, P.E., Director of Public Works



Plans Accepted by: \_\_\_\_\_ Date: \_\_\_\_\_  
Matthew J. Morasch, P.E., Director of Public Works

NOT FOR CONSTRUCTION

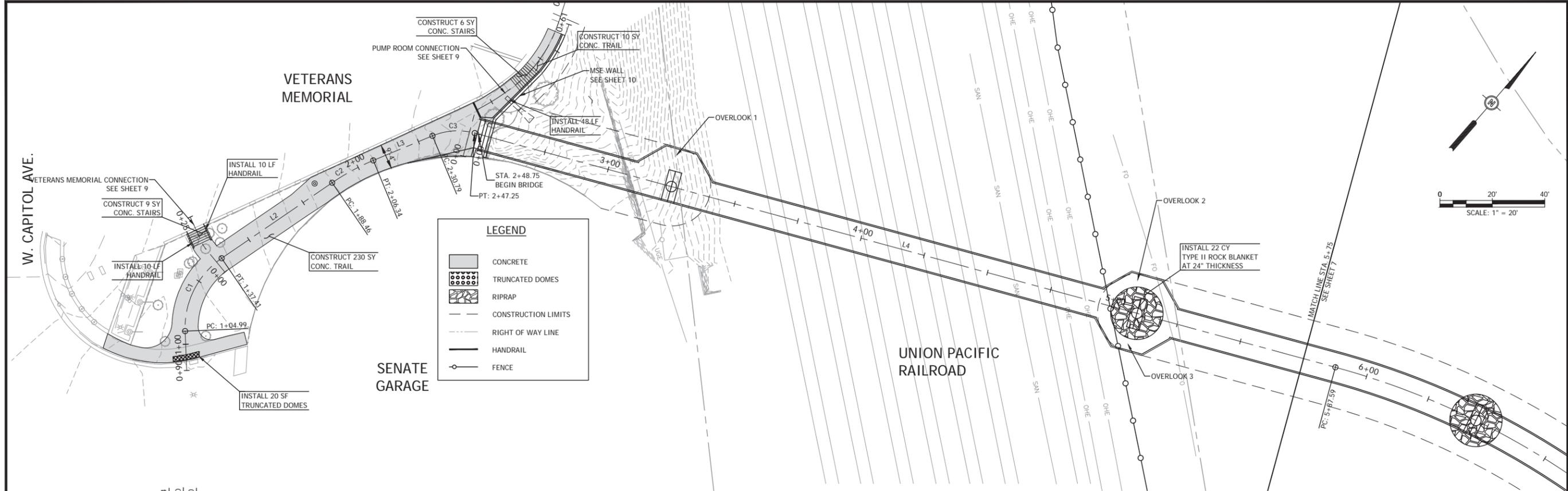
TODD C. KEMPKER  
PROFESSIONAL ENGINEER  
LICENSE NO. XXXXXXXXX  
SEALED DATE: Value





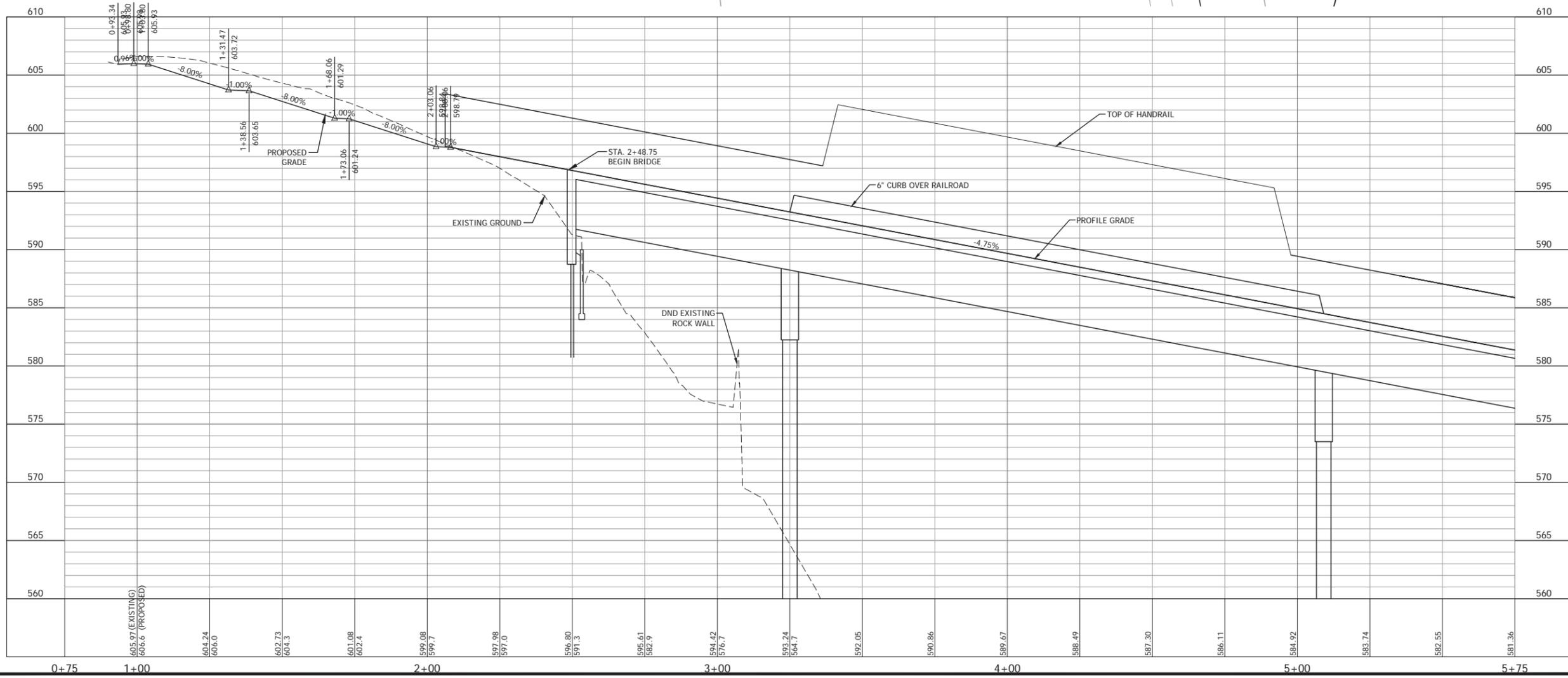
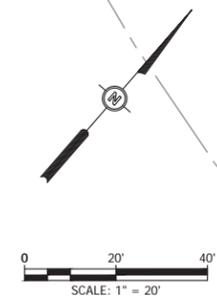






**LEGEND**

- CONCRETE
- TRUNCATED DOMES
- RIPRAP
- CONSTRUCTION LIMITS
- RIGHT OF WAY LINE
- HANDRAIL
- FENCE



| BY | DATE | DESCRIPTION |
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**BARTLETT & WEST**

1719 SOUTHWIDE DR., SUITE 100 - JEFFERSON CITY, MO 65109-4000  
 PHONE 573.634.3181 - FAX 573.634.7904  
 CERTIFICATE # 000167  
 WWW.BARTLETTWEST.COM

**PLAN PROFILE**  
**STA. 0+75 TO STA. 5+75**

VETERANS WALK TO  
 JEFFERSON CITY RIVERFRONT PARK  
 JEFFERSON CITY, COLE COUNTY, MISSOURI

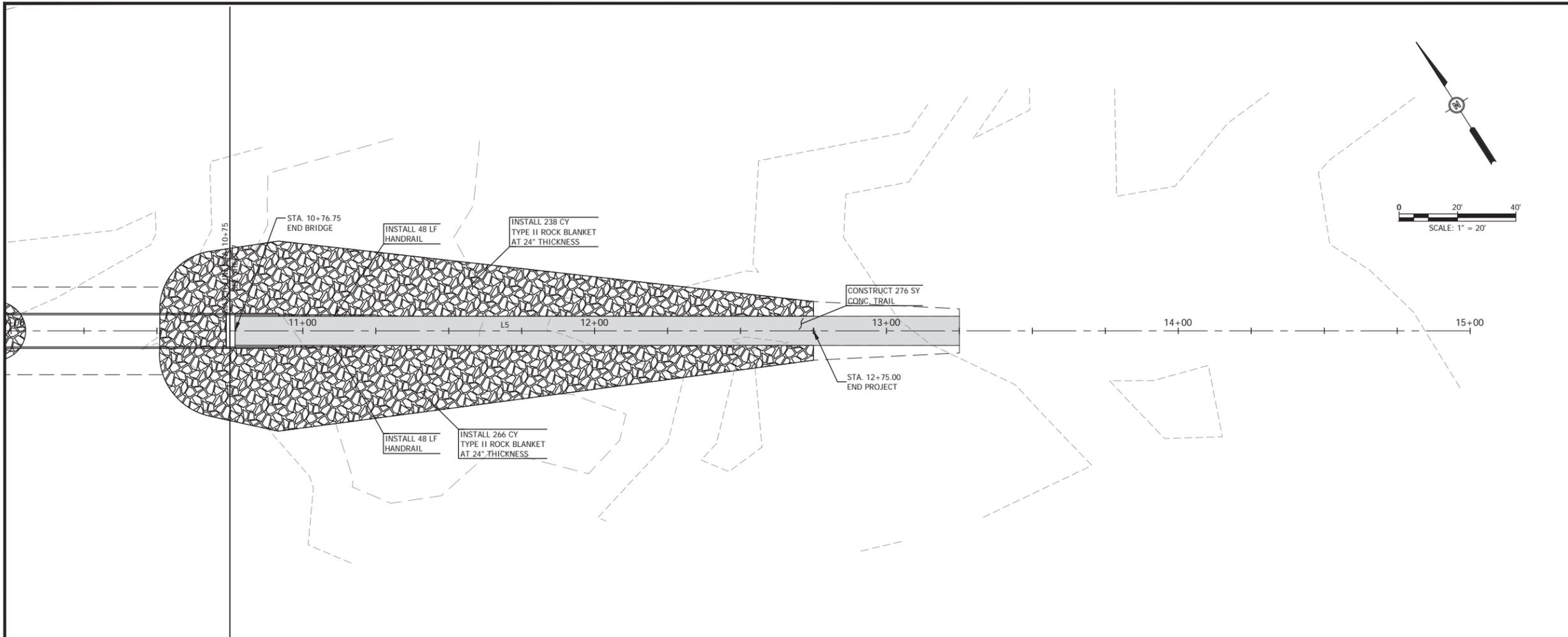
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| DRAWN BY:     | AKJ       |
| APPROVED BY:  | TCK       |
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| DATE:         | JULY 2016 |
| DRAWING NO.:  |           |
| SHEET NO.:    | 6 of 18   |

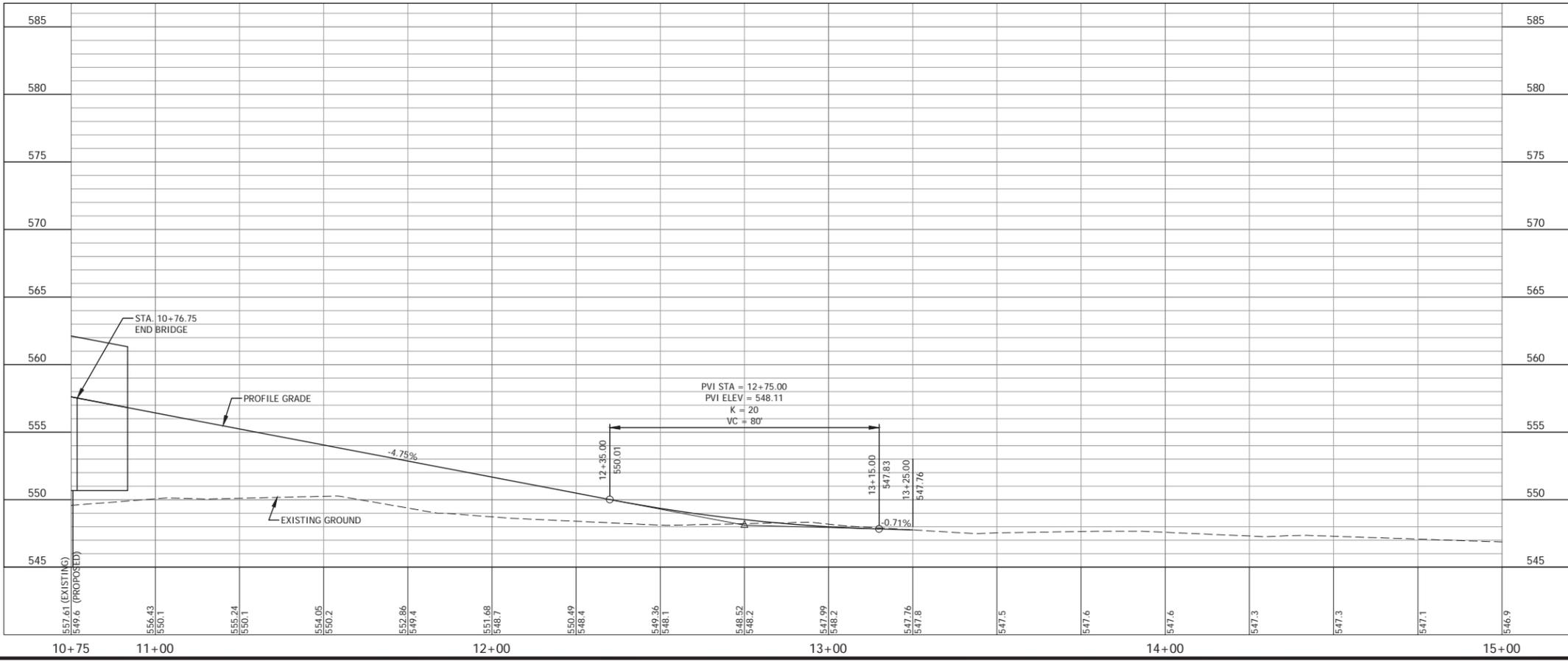
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|        | TRUNCATED DOMES     |
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|        | FENCE               |

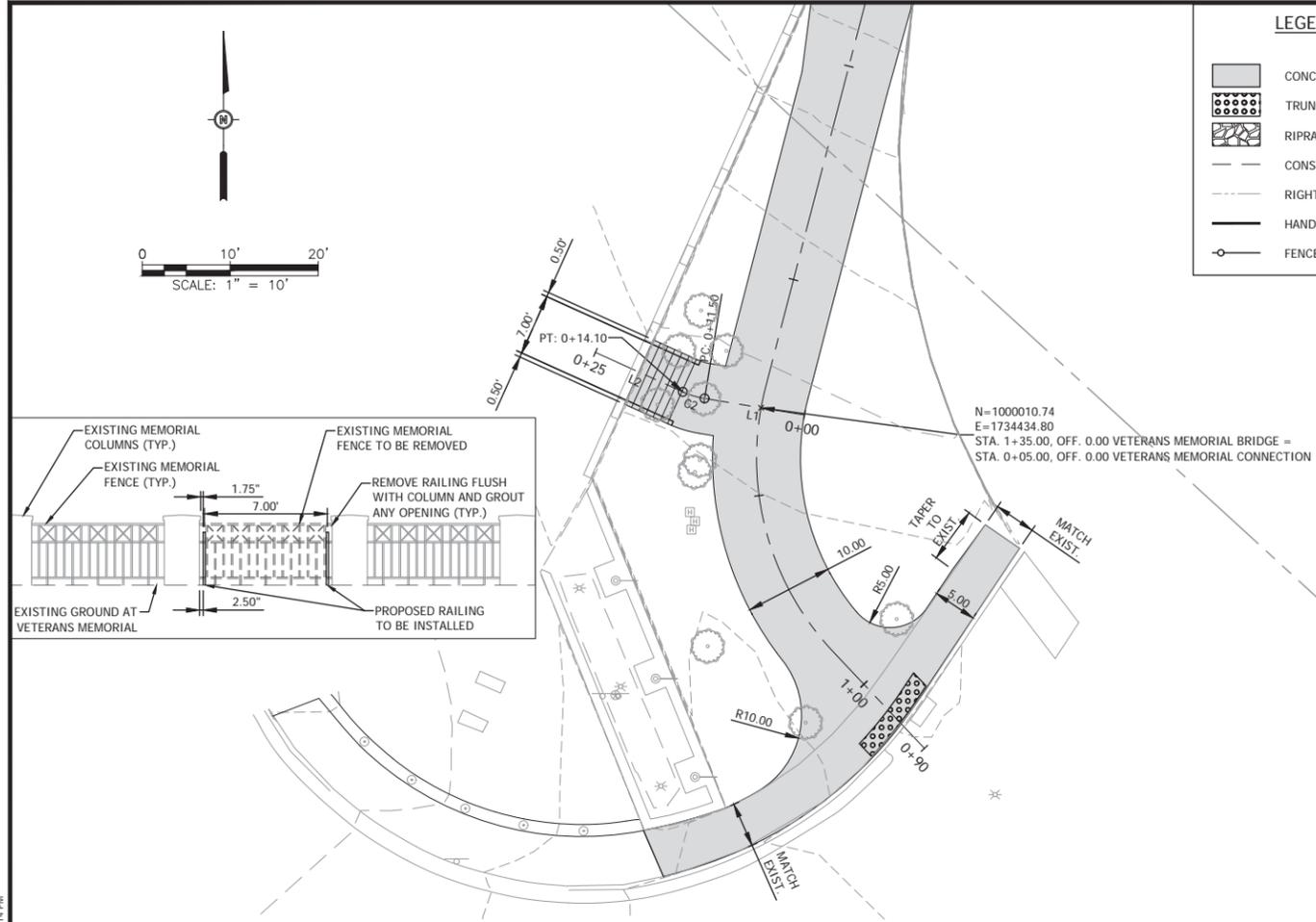


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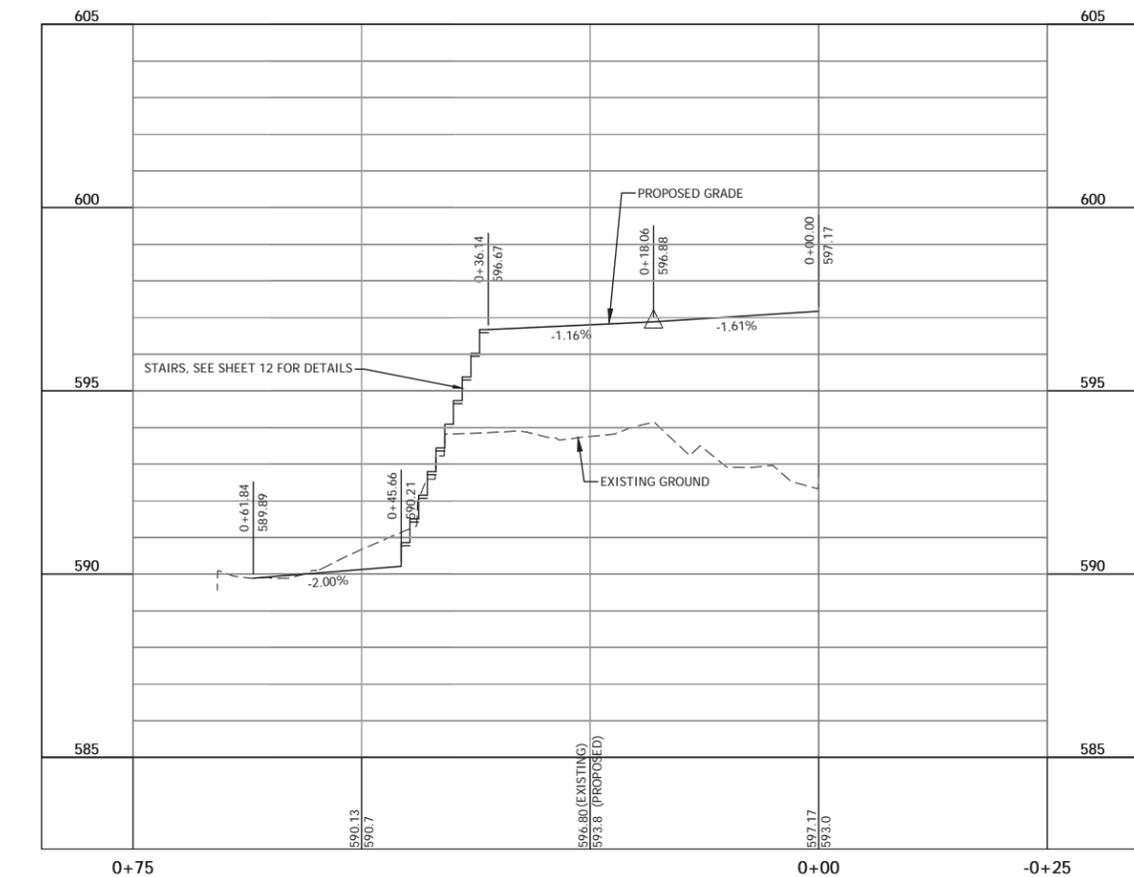
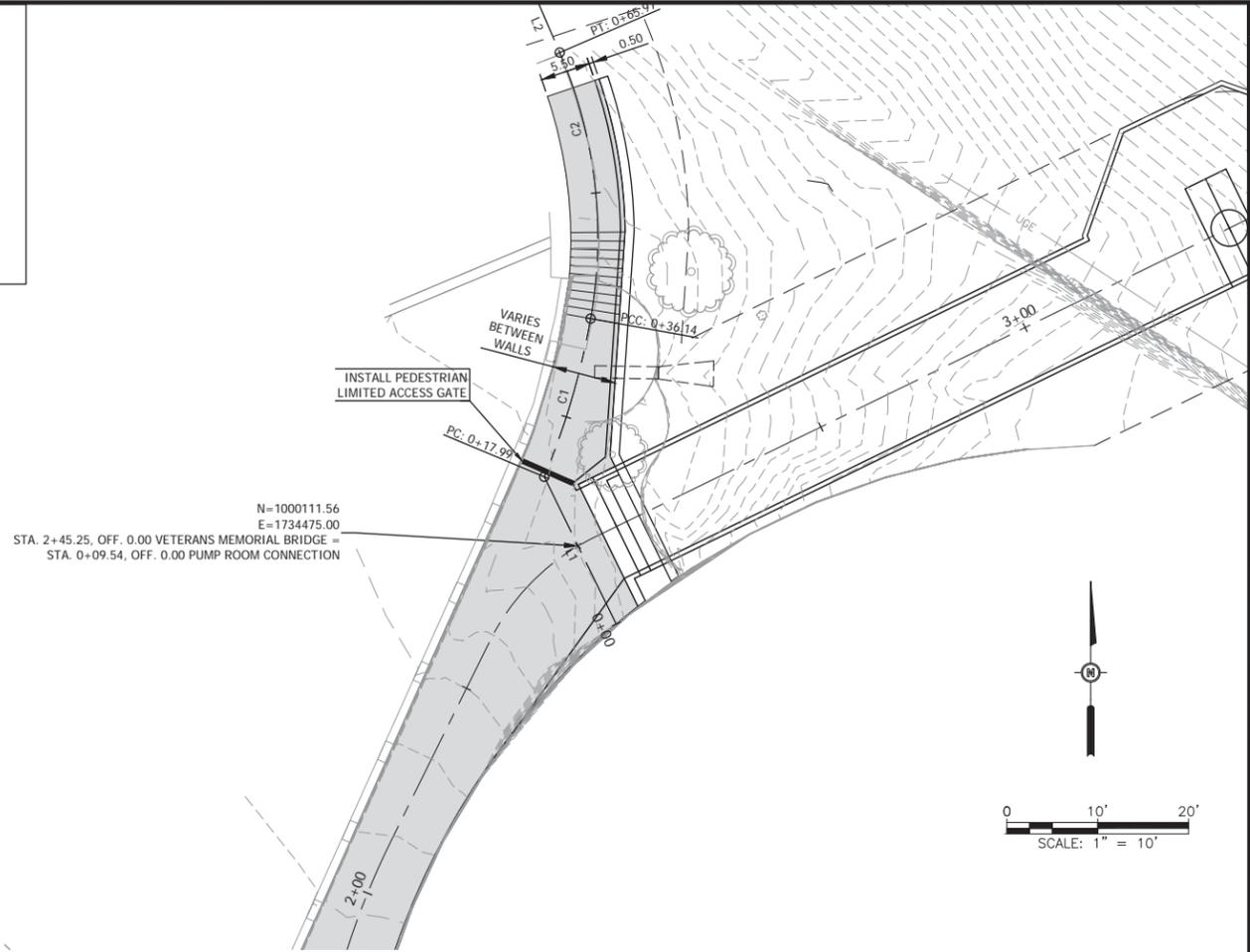
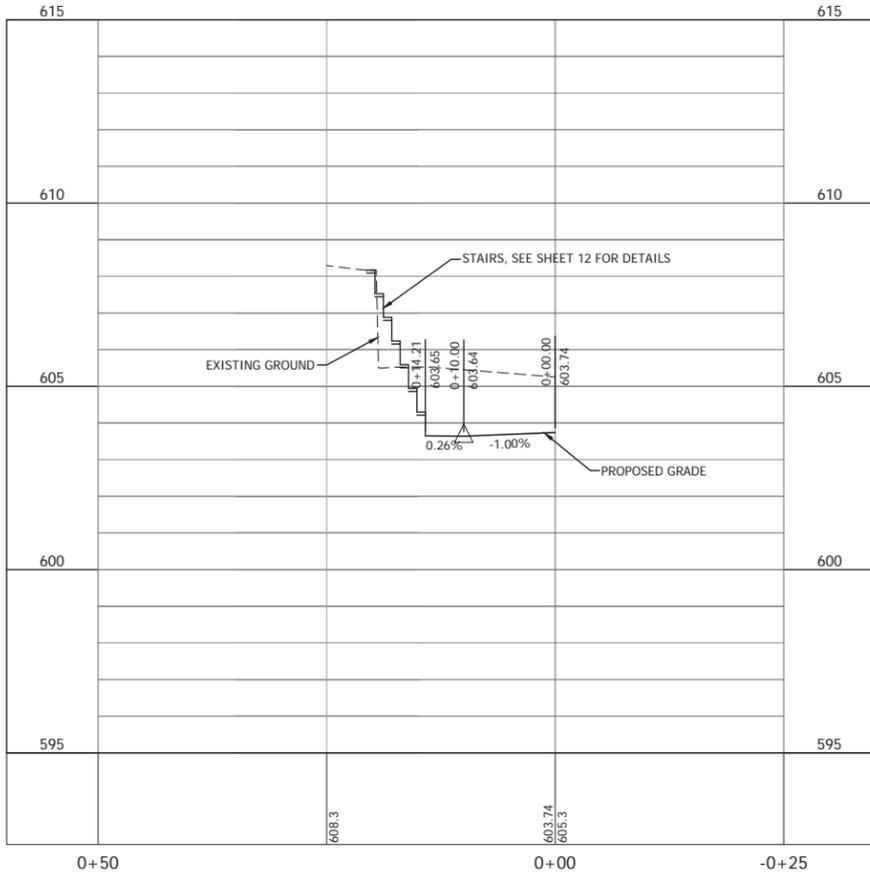
**PLAN PROFILE**  
**STA. 10+75 TO STA. 14+75**  
 VETERANS WALK TO  
 JEFFERSON CITY RIVERFRONT PARK  
 JEFFERSON CITY, COLE COUNTY, MISSOURI

**NOT FOR CONSTRUCTION**

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| SEALED DATE:  | Value     |
| DESIGNED BY:  | AKJ       |
| DRAWN BY:     | AKJ       |
| APPROVED BY:  | TCK       |
| DESIGN PROJ.: | 16197.400 |
| DATE:         | JULY 2016 |
| DRAWING NO.:  |           |
| SHEET NO.:    | 8 of 18   |



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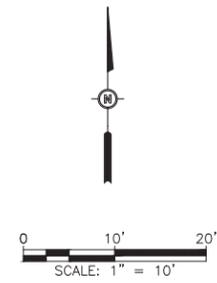
**PLAN PROFILE CONNECTORS**

VETERANS WALK TO  
 JEFFERSON CITY RIVERFRONT PARK  
 JEFFERSON CITY, COLE COUNTY, MISSOURI

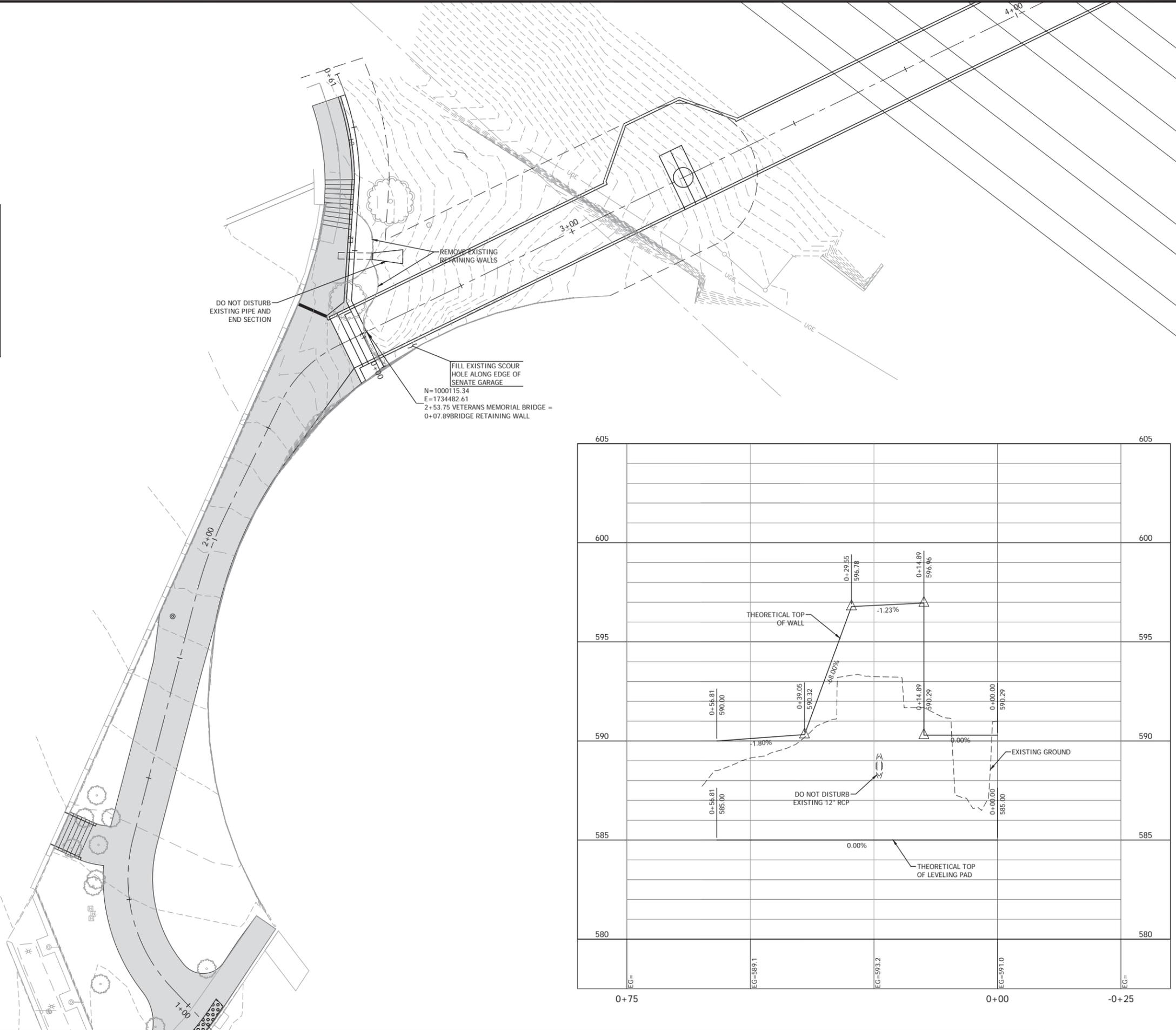
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| APPROVED BY:  | TCK       |
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| DRAWING NO.:  |           |
| SHEET NO.:    | 9 of 18   |

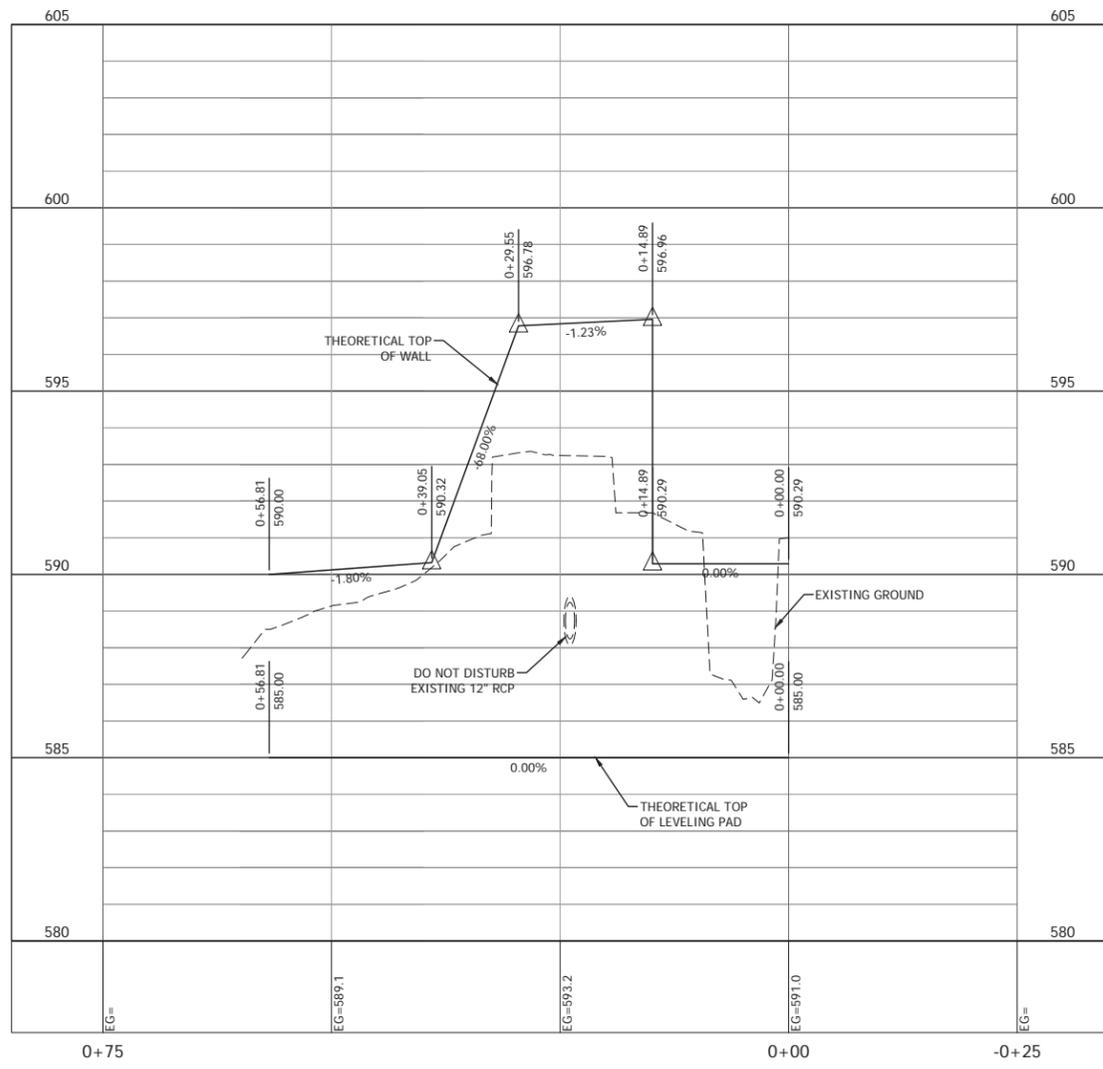
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| LEGEND |                     |
|--------|---------------------|
|        | CONCRETE            |
|        | TRUNCATED DOMES     |
|        | RIPRAP              |
|        | CONSTRUCTION LIMITS |
|        | RIGHT OF WAY LINE   |
|        | HANDRAIL            |
|        | FENCE               |



N=1000115.34  
 E=1734482.61  
 2+53.75 VETERANS MEMORIAL BRIDGE =  
 0+07.89 BRIDGE RETAINING WALL



| # | DATE | DESCRIPTION |
|---|------|-------------|
|   |      |             |
|   |      |             |
|   |      |             |

**BARTLETT & WEST**

1719 SOUTHRIDGE DR., SUITE 108 - JEFFERSON CITY, MO 65109-4000  
 PHONE 573.634.3131 • FAX 573.634.7904  
 MISSOURI CERTIFICATE NO. 000167 - ENGINEERING  
 WWW.BARTWEST.COM

**PLAN PROFILE  
 MSE WALL**

VETERANS WALK TO  
 JEFFERSON CITY RIVERFRONT PARK  
 JEFFERSON CITY, COLE COUNTY, MISSOURI

**NOT FOR CONSTRUCTION**

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| SEALED DATE:  | Value     |
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| APPROVED BY:  | TCK       |
| DESIGN PROJ.: | 16197.400 |
| DATE:         | JULY 2016 |
| DRAWING NO.:  |           |
| SHEET NO.:    | 10 of 18  |



**SECTION VIEW**

NO. OF STEPS  
TREAD  
RISE  
1-1/2" TO 2"  
#4 TRANSVERSE BARS AT ABOUT 18" CTR.  
#4 LONGITUDINAL BARS AT ABOUT 13" CTR.  
4" MIN.  
3" R.  
6"

**CONCRETE STEPS  
LOOKING FROM  
SIDEWALK**

4" VARIABLE WIDTH  
4"  
#4 BARS AT ABOUT 18" CTR.  
HEIGHT VARIABLE  
2"  
#4 BARS AT ABOUT 13" CTR.

**NOTES**  
**FOR RESIDENTIAL APPLICATIONS**  
1. Minimum riser shall be 4", and maximum shall be no more than 7 3/4".  
2. Minimum tread shall be 10 3/4".

**FOR COMMERCIAL APPLICATIONS**  
1. Minimum riser shall be 4", and maximum shall be no more than 7".  
2. Minimum tread shall be 11".

- Positive drainage shall be achieved on all treads, not to exceed 1/8" per foot.

2.01.DWG

|     |       |                          |
|-----|-------|--------------------------|
| NO. | DATE: | REVISION AND DESCRIPTION |
|     |       |                          |
|     |       |                          |

|             |                       |
|-------------|-----------------------|
| CHECKED BY: | CONCRETE STEP DETAILS |
| DRAWN BY:   | STANDARD DETAILS      |
| DATE:       |                       |

**City of Jefferson**  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING SYSTEM

SHEET NUMBER  
1 OF 4  
SECTION  
2.01

**NOTES:**

- Handrails are required on both sides of stairs and or ramps.
- The top of the gripping surfaces of handrails shall be no less than 34" and no more than 38" vertically above the walking surface, stair nosings, and ramp surfaces. Handrails shall be at a consistent height above the walking surface or stair nosings.
- At the top of a stair flight, handrail shall extend horizontally above the landing for a minimum of 12" beginning directly above the first riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the handrail of an adjacent stair flight.
- At the bottom of a stair flight, handrail shall extend at the slope of the stair flight for a horizontal distance at least equal to one tread depth beyond the last riser nosing. Extensions shall return to a wall, guard, or the landing surface, or shall be continuous to the hand rail of an adjacent stair flight.
- Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of the handrail gripping surfaces shall not be obstructed for more than 20% of their length.
- Handrail gripping surfaces with a circular cross section shall have an outside diameter of not less than 1 1/4" and not more than 2". Handrail gripping surfaces with a non-circular cross section shall have a perimeter of not less than 4" or more than 5 1/4". The longest cross sectional dimension shall be not exceed 2 1/4".
- Handrail gripping surfaces shall be continuous along their length and shall not be obstructed along their tops or sides. The bottoms of handrail gripping surfaces shall not be obstructed from more than 20 percent of their length.
- Refer to U.S. Department of Justice "2010 ADA Standards for Accessible Design" for additional information and or requirements.

**MATERIAL / FINISHES / INSTALLATION:**

- The material and finish requirements contained in this section are not meant to prohibit the use of manufactured railings which meet the requirements of ADA.
- All fabricated railings shall be either 1 1/2" # schedule 40 steel tubing (1.90 OD x .145 wall), or 1 1/2" x 1 1/2" x 11 GA. (.120 wall) steel tubing. Pedestrian/Bicycle Guard Railing may exceed these dimensions.
- All welds shall be continuous and shall be ground smooth. The railing shall be free of slag, burrs, or other defects.
- Expansion joints shall be placed in railings after every third post. The joints shall be constructed as shown in the Expansion Detail. Additional expansion joints and or specifically designed mounting bracket/elements may be necessary if the railing is installed on a curve.
- All posts shall have a 1/4" weep hole immediately above the concrete surface.
- All fabricated railings shall have a hot dipped galvanized finish or shall be powder coated. If powder coated, the color shall be black unless otherwise approved by the engineer.
- When installed the posts of all railings shall be plumb.
- The railings may be bolted to the concrete surface or may be mounted with grout in sockets formed or drilled in the concrete. Refer to the mounting details for additional information.

2.02DB.DWG

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|             |                              |
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| CHECKED BY: | HANDRAIL LAYOUT REQUIREMENTS |
| DRAWN BY:   | STANDARD DETAILS             |
| DATE:       |                              |

**City of Jefferson**  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING SYSTEM

SHEET NUMBER  
2 OF 4  
SECTION  
2.02

**Stair Railing Plan View**

Main sidewalk  
Handrail shall not extend into main sidewalk  
8' max  
48" min

**Stair Railing Profile View**

12" min  
34" min  
36" max  
34" min  
38" max  
10"  
One tread width min.  
Warp connecting sidewalk to meet steps (typical)

**Ramp Railing Profile View**

12" min  
8' max between posts  
12" min  
34" min  
38" max  
10"  
greater than 5%  
4" max  
A 6" curb may be use in place of the of this bar

2.02.DWG

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| NO. | DATE: | REVISION AND DESCRIPTION |
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| CHECKED BY: | HANDRAIL LAYOUT REQUIREMENTS |
| DRAWN BY:   | STANDARD DETAILS             |
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**City of Jefferson**  
DEPARTMENT OF PUBLIC WORKS  
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SHEET NUMBER  
3 OF 4  
SECTION  
2.03

**Pedestrian/Bicycle Guard Railing Profile View**

8' max between posts  
28" for pedestrians  
33" for bicycles  
36" for pedestrians  
42" for bicycles  
3/4" x 3/4" x 14 GA (.083 wall) pickets on 4 1/2" centers (typ.)  
4" max  
6" long sleeve centered about gap outside of sleeve to be 1/16" smaller than inside of rail  
3/8"

**Expansion Detail**

4" min  
1/4" V  
3/16"  
3/8"  
Weld  
Post

**Mounting Detail A**

Non shrink grout  
1/4" # weep hole  
6" min  
3" # socket  
Thicken concrete edge or wall

**Mounting Detail B**

1/2" x 4" min x 4" min steel plate  
1/2" # x 6" U-bolts or 1/2" # 8" swedged anchor bolts with washers and hex nuts (all galvanized)

2.02.DWG

|             |   |
|-------------|---|
| CHECKED BY: | Pedestrian/Bicycle Guard Railing Requirements |
| DRAWN BY:   | STANDARD DETAILS                              |
| DATE:       |   |

|     |       |                          |
|-----|-------|--------------------------|
| NO. | DATE: | REVISION AND DESCRIPTION |
|     |       |                          |
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**City of Jefferson**  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING SYSTEM

SHEET NUMBER  
4 OF 4  
SECTION  
2.04

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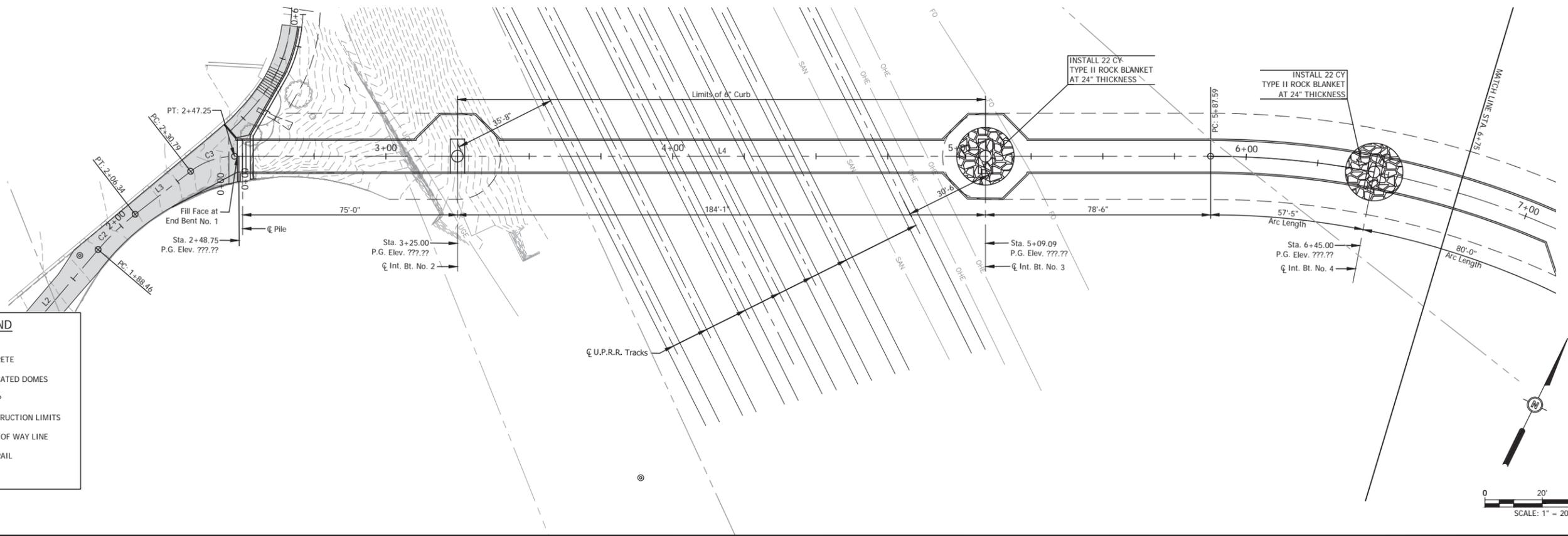
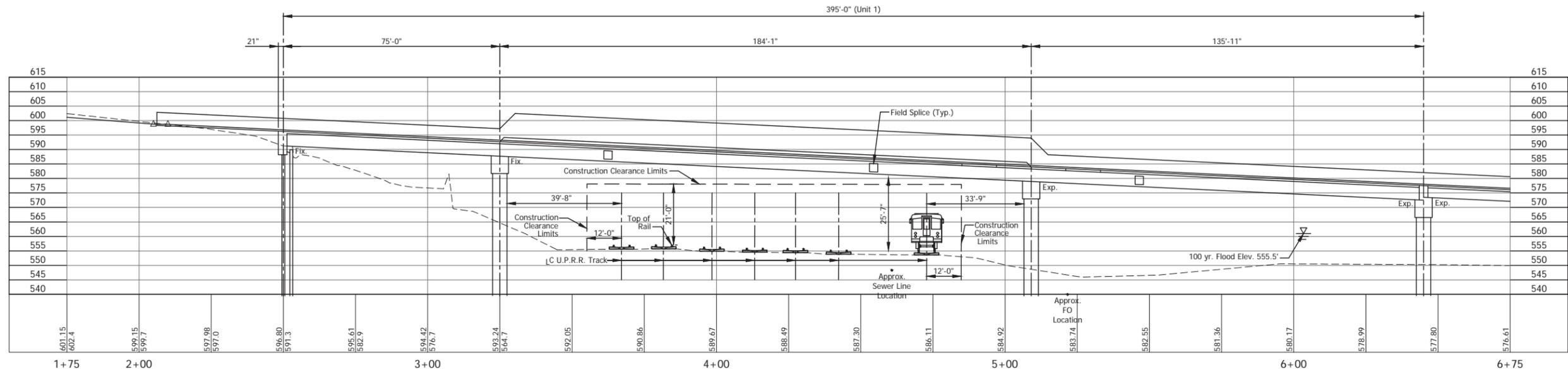
**STANDARD DETAILS  
CITY OF JEFFERSON**

VETERANS WALK TO  
JEFFERSON CITY RIVERFRONT PARK  
JEFFERSON CITY, COLE COUNTY, MISSOURI

**NOT FOR CONSTRUCTION**

|               |           |
|---------------|-----------|
| SEALED DATE:  | Value     |
| DESIGNED BY:  | N/A       |
| DRAWN BY:     | N/A       |
| APPROVED BY:  | TCK       |
| DESIGN PROJ.: | 16197.400 |
| DATE:         | JULY 2016 |
| DRAWING NO.:  |           |
| SHEET NO.:    | 12 of 18  |





Last edit on: Jul 13, 2016 by: AKJ01212 Drawing Name: C:\pwworkspace\16197\_400\_BR\_PLAN\_DEV ELEVATION.dwg Layout Name: Unit 1 Plotted By: AKJ01212 Plotted on: 7/13/2016 3:13:08 PM

| LEGEND |                     |
|--------|---------------------|
|        | CONCRETE            |
|        | TRUNCATED DOMES     |
|        | RIPRAP              |
|        | CONSTRUCTION LIMITS |
|        | RIGHT OF WAY LINE   |
|        | HANDRAIL            |
|        | FENCE               |

**BARTLETT & WEST**

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 PHONE 573.634.3131 • FAX 573.634.7904  
 CERTIFIED PROFESSIONAL ENGINEER LICENSE NO. 000167  
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**GENERAL PLAN AND DEVELOPED ELEV. (UNIT 1)**

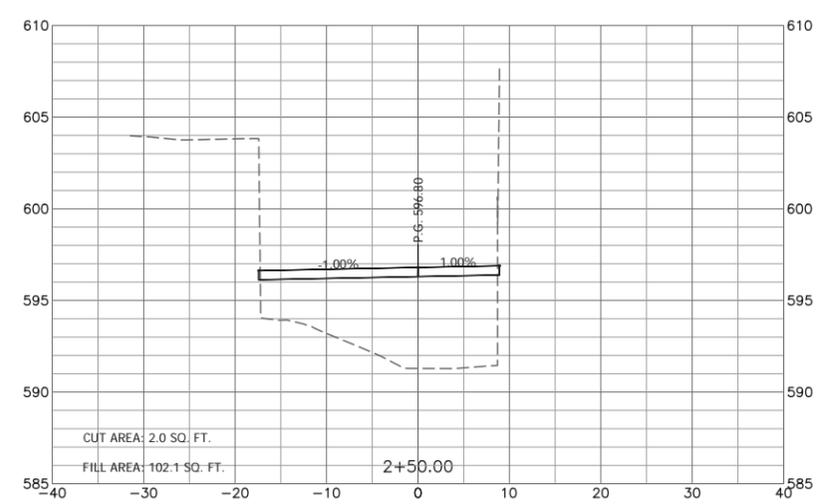
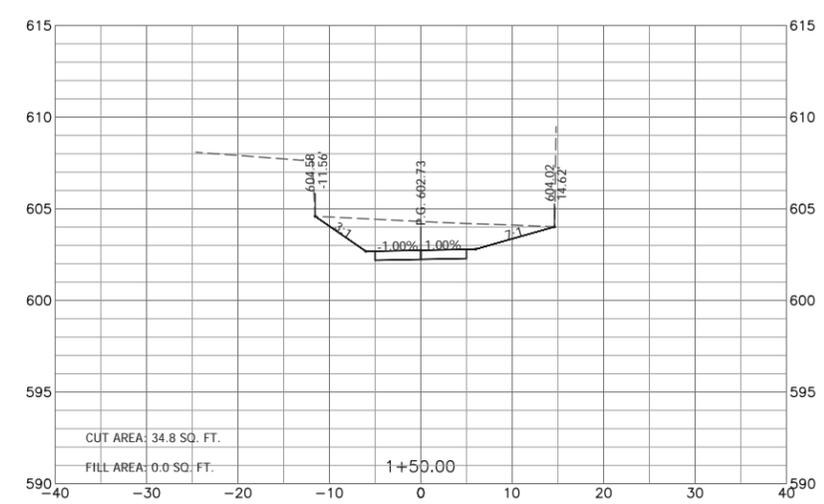
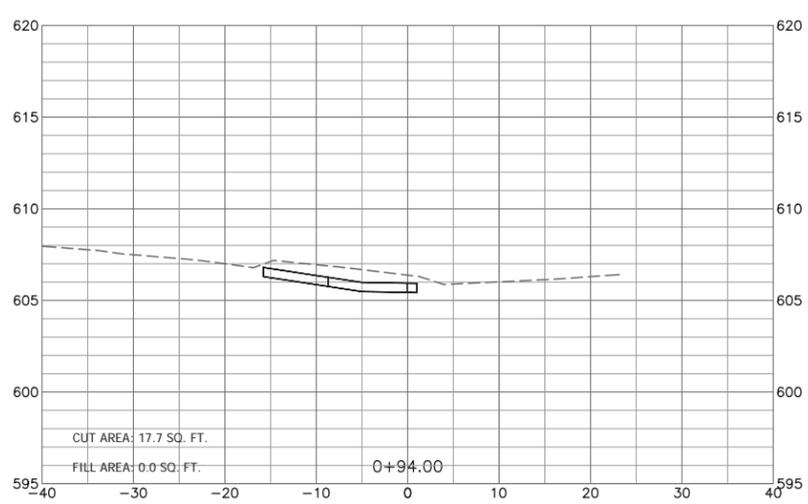
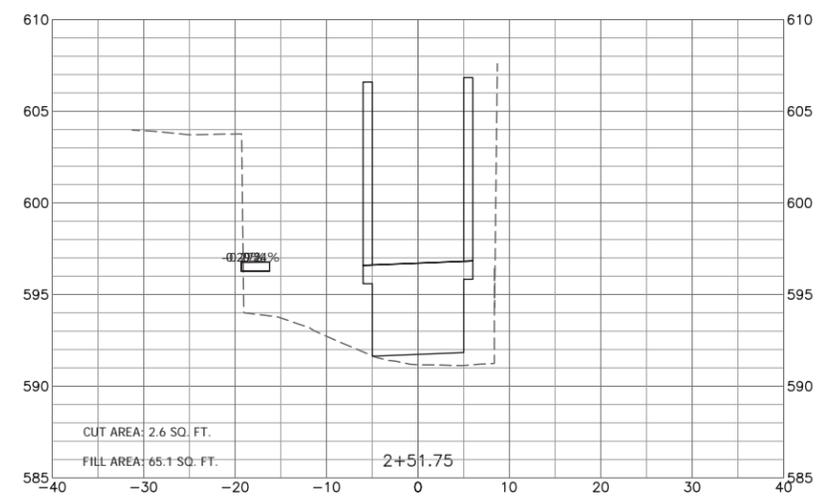
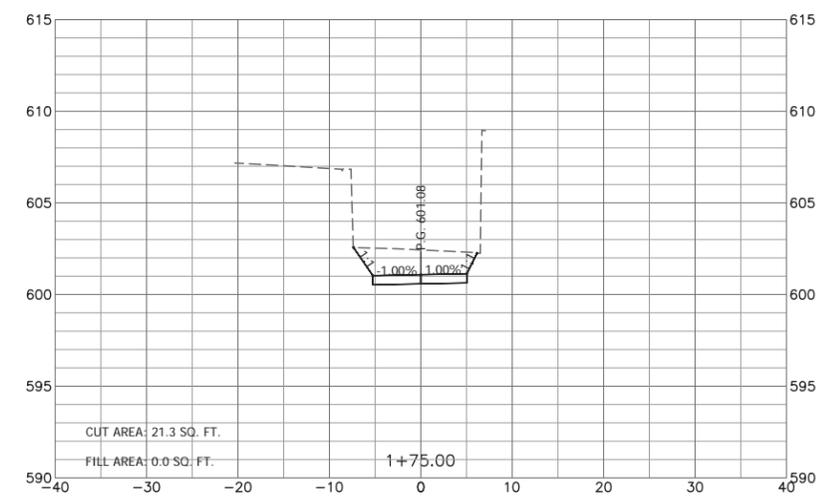
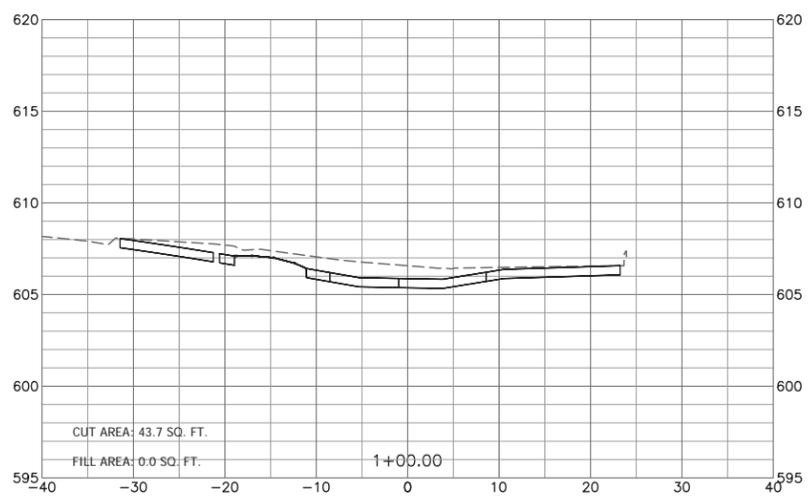
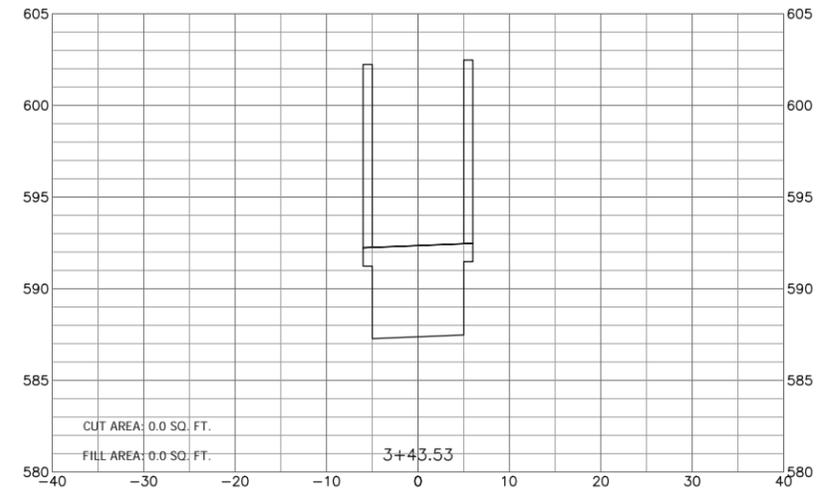
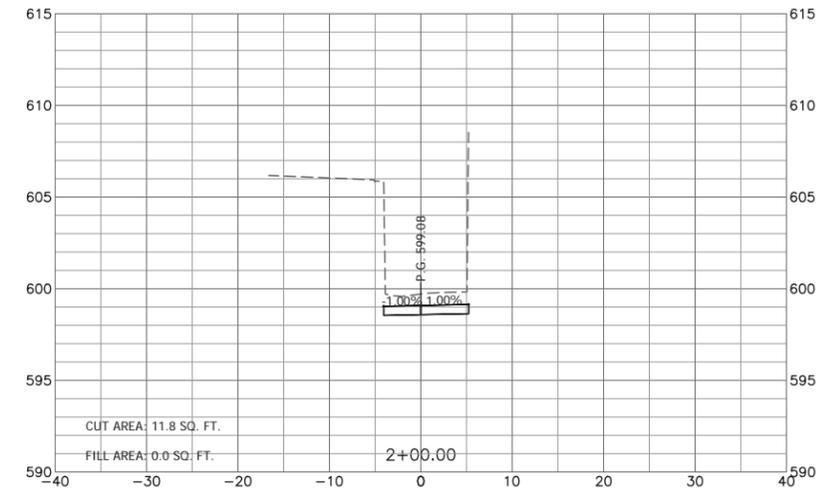
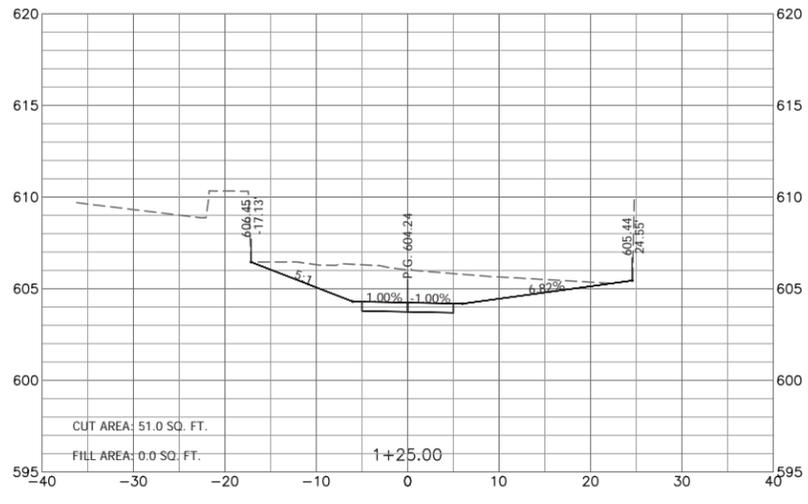
VETERANS WALK TO  
 JEFFERSON CITY RIVERFRONT PARK  
 JEFFERSON CITY, COLE COUNTY, MISSOURI

**NOT FOR CONSTRUCTION**

|               |           |
|---------------|-----------|
| SEALED DATE:  | Value     |
| DESIGNED BY:  | DAS       |
| DRAWN BY:     | TAA       |
| APPROVED BY:  | TCK       |
| DESIGN PROJ.: | 16197.400 |
| DATE:         | JULY 2016 |
| DRAWING NO.:  |           |
| SHEET NO.:    | 14 of 18  |



Last edit on: Jul 7, 2016 by: AKJ01272 Drawing Name: c:\pwworking\akj01272\16197\_400\_C-CROSS SECTIONS.dwg Layout Name: XST Plotted by: AKJ01272 Plotted on: 7/13/2016 2:58:08 PM



| # | DATE | DESCRIPTION |
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**CROSS SECTIONS**

VETERANS WALK TO  
JEFFERSON CITY RIVERFRONT PARK  
JEFFERSON CITY, COLE COUNTY, MISSOURI

NOT FOR CONSTRUCTION

|              |           |
|--------------|-----------|
| SEALED DATE: | Value     |
| DESIGNED BY: | AKJ       |
| DRAWN BY:    | AKJ       |
| APPROVED BY: | TCK       |
| DESIGN PROJ: | 16197_400 |
| DATE:        | JULY 2016 |
| DRAWING NO:  |           |
| SHEET NO:    | 16 of 18  |

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## Construction Cost Estimate

Date: July 14, 2016  
 Project No.: 16197.400

### Engineer's Estimate

Veterans Walk to Jefferson City Riverfront Park

| Item No.            | Description   | Quantity | Unit | Engineer's Estimate |                       |
|---------------------|---|----------|------|---------------------|-----------------------|
|                     |   |          |      | Unit Price          | Extension             |
| <b>Road Items</b>   |   |          |      |                     |                       |
| 1                   | Mobilization  | 1        | LS   | 100,000.00          | \$100,000.00          |
| 2                   | Construction Coordination with Railroad             | 1        | LS   | 40,000.00           | \$40,000.00           |
| 3                   | Traffic Control                                     | 1        | LS   | 5,000.00            | \$5,000.00            |
| 4                   | Construction Staking                                | 1        | LS   | 10,000.00           | \$10,000.00           |
| 5                   | Unclassified Excavation                             | 161      | CY   | 25.00               | \$4,025.00            |
| 6                   | Embankment in Place                                 | 726      | CY   | 30.00               | \$21,780.00           |
| 7                   | Clearing and Grubbing                               | 1        | LS   | 20,000.00           | \$20,000.00           |
| 8                   | 3" Rolled Stone Base                                | 516      | SY   | 7.50                | \$3,870.00            |
| 9                   | Trail (6" Thick, PCC)                               | 516      | SY   | 60.00               | \$30,960.00           |
| 10                  | Trail Stairs (PCC)                                  | 15       | SY   | 200.00              | \$3,000.00            |
| 11                  | Truncated Domes                                     | 20       | SF   | 30.00               | \$600.00              |
| 12                  | MSE Wall  | 426      | SF   | 45.00               | \$19,170.00           |
| 13                  | Rip Rap (MoDOT Type 2) 24" Thick                    | 723      | CY   | 75.00               | \$54,225.00           |
| 14                  | 54" Handrail  | 164      | LF   | 100.00              | \$16,400.00           |
| 15                  | UPRR R/W Fence                                      | 1,737    | LF   | 80.00               | \$138,960.00          |
| 16                  | Pedestrian Limited Access Gate                      | 2        | EA   | 1,000.00            | \$2,000.00            |
| 17                  | Erosion Control                                     | 1        | LS   | 10,000.00           | \$10,000.00           |
| 18                  | Finished Seed                                       | 1        | LS   | 10,000.00           | \$10,000.00           |
| 19                  | Plaza Landscaping                                   | 1        | LS   | 40,000.00           | \$40,000.00           |
| <b>Bridge Items</b> |   |          |      |                     |                       |
| 20                  | Pedestrian Bridge                                   | 1        | LS   | 1,984,400.00        | \$1,984,400.00        |
|                     | Contingency   |          |      | 10%                 | \$251,000.00          |
|                     | Construction Inspection/Observation                 |          |      | City                | \$0.00                |
|                     | Railroad Permit Fees                                | 1        | LS   | 30,000.00           | \$30,000.00           |
|                     | Powerline Relocation by Ameren                      | 1        | LS   | 150,000.00          | \$150,000.00          |
|                     | Other Utility Relocations (Surveys Indicate None)   | 1        | LS   | 0.00                | \$0.00                |
|                     | Preliminary Engineering, Surveying and Final Design | 1        | LS   | 300,000.00          | \$300,000.00          |
|                     | <b>Total Project Cost</b>                           |          |      |                     | <b>\$3,245,390.00</b> |

This project cost opinion was prepared using bid tabulation information available at the time of preparation and is prepared in good faith using engineer's judgment and experience. The engineer makes no guarantee as to the actual costs for construction.

