



# CITY OF SUNSET VALLEY

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2023 Capital Improvement Plan

DRAFT  
5-19-22



# PROJECT INFORMATION SHEET

**Project Name:** AISD Facilities Water Meter Conversion

**TYPE OF IMPROVEMENT:** WATER SYSTEM

## PROJECT DESCRIPTION

**Purpose:**

The purpose of this project is to convert AISD’s local facilities, CoSV Burger Center and Sunset Valley Elementary School, to CoSV water customers as per the 2007 Wholesale Agreement with CoA. In 2007, City of Sunset Valley committed to providing water service to AISD facilities by 2022.

**Scope of Work:**

The improvements include connecting the existing CoA water main the existing CoSV water main, capping the CoA water main, and acquiring CoA Water facilities west of the connection, including Burger Center and SVES water meter assemblies.

**Notable Project Challenges:**

The connection of existing mains entails excavation with in Jones Road, requiring traffic lane shifts. Traffic and access will be maintained at all times. Utility conflicts could potentially exist at the main connection point. Short duration water service interruptions are expected.

**ROW/Facility Acquisitions:**

CoSV will be required to compensate CoA for approximately 550’ of 8” water main that will be converted and incorporated into to CoSV’s water system.

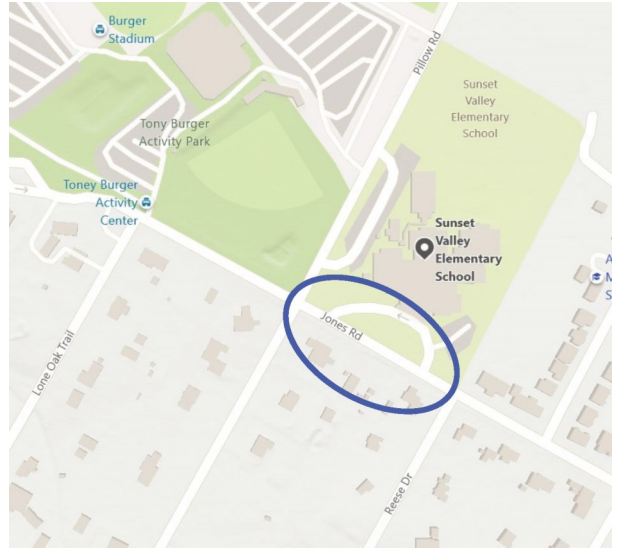
**Approvals:**

Austin Water requires approvals on any modification to their water system. And, an cost agreement must be reached for the acquisition of CoA facilities.

**Project Delivery and Schedule:**

This project will take approximately 8 months to complete.

## PROJECT LOCATION MAP



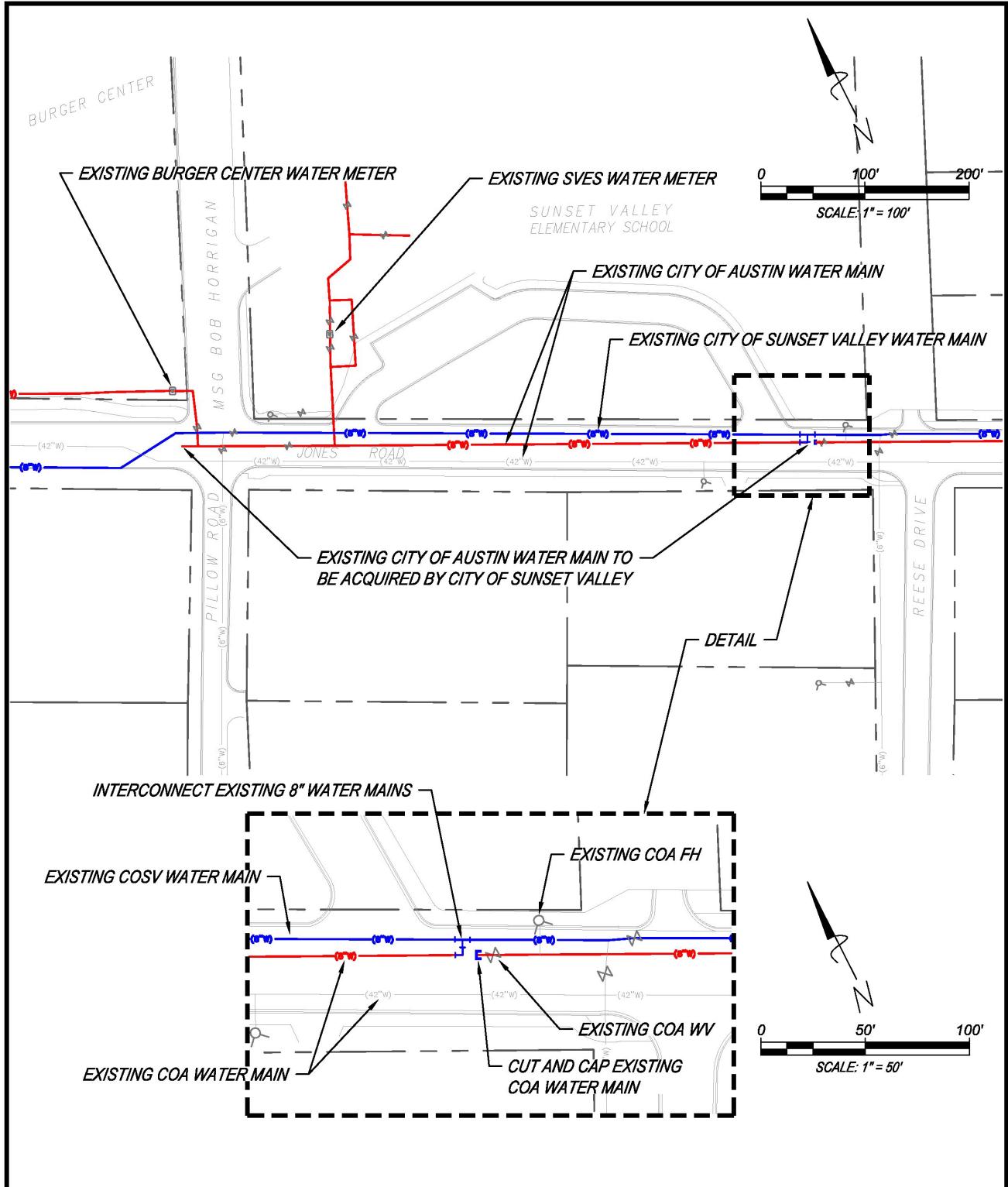
## PROJECT PHOTOGRAPHS/ ILLUSTRATIONS



## ESTIMATED PROJECT COSTS

| Project Activity                     | Estimated Cost   |
|--------------------------------------|------------------|
| Engineering and Permitting           | \$11,000         |
| Right-of-way / Facility Acquisition  | \$60,000         |
| Construction                         | \$70,000         |
| Project Contingency                  | \$14,000         |
| <b>TOTAL ESTIMATED PROJECT COSTS</b> | <b>\$115,000</b> |

# PROJECT LAYOUT SHEET



172 CREEKSIDE PARK, STE 115  
BULLVERDE, TX 78070

(830) 438-0329  
TBPE FIRM F-21047

## CITY OF SUNSET VALLEY AISD WATER METER CONVERSION EXHIBIT

DRAFTED BY: TB  
DESIGNED BY: TT  
CHECKED BY: TT

SHEET NO.  
1 OF 1  
5/17/2022

# PROJECT INFORMATION SHEET

**Project Name:** Burger Center Trail Expansion

**TYPE OF IMPROVEMENT:** TRAIL SYSTEM

## PROJECT DESCRIPTION

**Purpose:**

This project expands the existing trail system along the west side of ERW Blvd., adjacent to Burger Center.

**Scope of Work:**

The improvements involve constructing a 1,000' long 10' wide trail from Jones Road to the US 290 frontage road. The work includes concrete rip rap to cross an existing TxDOT drainage swale.

**Notable Project Challenges:**

The trail construction will require a short-term traffic lane closures and traffic control using flagman. Two-way traffic and access will be maintained at all times.

**ROW Acquisition:**

None

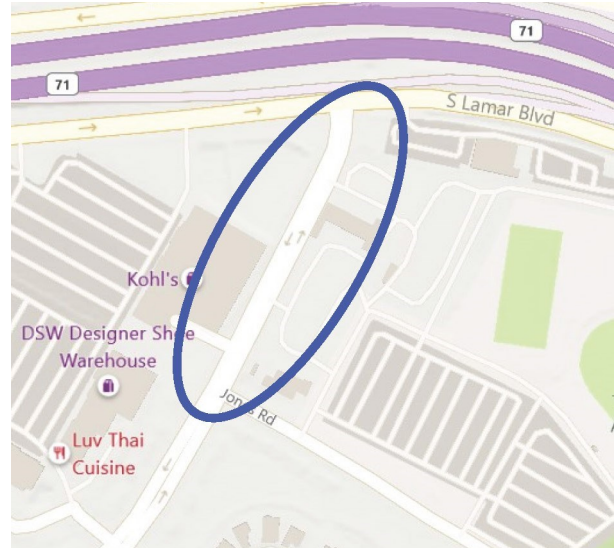
**Approvals:**

A small portion of the work is located in the US 290 right-of-way requiring TxDOT coordination and approval. This project will require a TCEQ EEAP/WPAP permit. This project may be eligible for a EAPP exception.

**Project Delivery and Schedule:**

This project is suitable for traditional design-bid-construct delivery with project award going to the lowest responsive bidder. The project will take approximately 13 months to complete.

## PROJECT LOCATION MAP



## PROJECT PHOTOGRAPHS/ ILLUSTRATIONS



## ESTIMATED PROJECT COSTS

| Project Activity                     | Estimated Cost    |
|--------------------------------------|-------------------|
| Engineering and Permitting           | \$ 25,000         |
| Right-of-way Acquisition             | \$ 0              |
| Construction                         | \$ 125,000        |
| Project Contingency                  | \$ 15,000         |
| <b>TOTAL ESTIMATED PROJECT COSTS</b> | <b>\$ 165,000</b> |

# PROJECT LAYOUT SHEET



172 CREEKSIDE PARK, STE 115  
BULVERDE, TX 78070

(830) 438-0329  
TBPE FIRM F-21047

## BURGER CENTER TRAIL EXHIBIT

DRAFTED BY: TB

DESIGNED BY: TT

CHECKED BY: TT

SHEET NO.

1 OF 1

5/17/2022

# PROJECT INFORMATION SHEET

**Project Name:** Country White Lane Water, Sewer, Street, and Drainage Improvements

**TYPE OF IMPROVEMENTS:** WATER, WASTEWATER AND STREET SYSTEM

## PROJECT DESCRIPTION

**Purpose:**

This project includes:

- Extension of an 8” water main in Country White Lane to establish fire protection existing homes located in CoSV’s ETJ.
- Extension of an 8” sewer main in Country White Lane to establish sewer service for existing homes located in CoSV’s ETJ
- Reconstruction of Country White Lane (including drainage).

**Scope of Work:**

The project improvements include:

- Installing a master water meter just south of an existing backflow preventer (privately owned by The Barn)
- Acquiring approximately 300’ of private water main,
- Extending an 8” water line along the south side of Country White lane.
- Abandoning the existing 2-1/2” water line.
- The street and drainage improvements will be reconstructed in half-streets with the north side completed first followed by the south side.
- Ditch improvements are proposed on the north side of Country White Lane and will outfall into the existing concrete ditch at Brodie Lane.

**Notable Project Challenges:**

Due to limited right-of-way, flagman will be required to maintain traffic through the construction area.

**ROW Acquisition:**

None

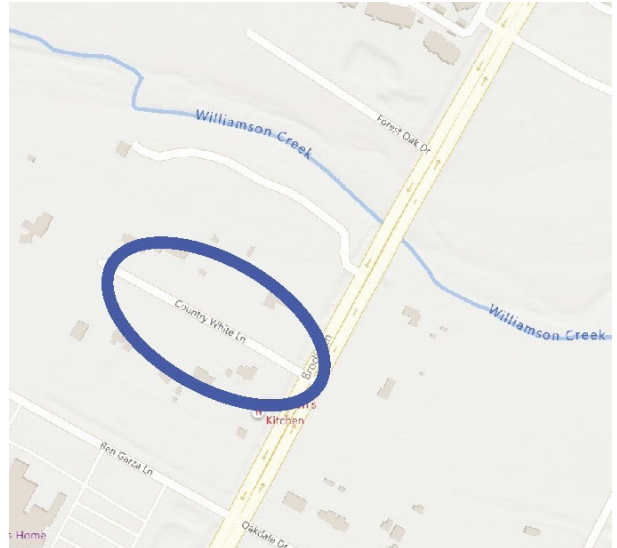
**Approvals:**

This work will require a TCEQ approval of an EAPP/SCS, approval from the City of Austin for a mater meter, an agreement to acquire a private water main, and approval from Travis County.

**Project Delivery and Schedule:**

This project is suitable for traditional design-bid-construct delivery with project award going to the lowest responsive bidder. The project will take approximately 16 months to complete.

## PROJECT LOCATION MAP



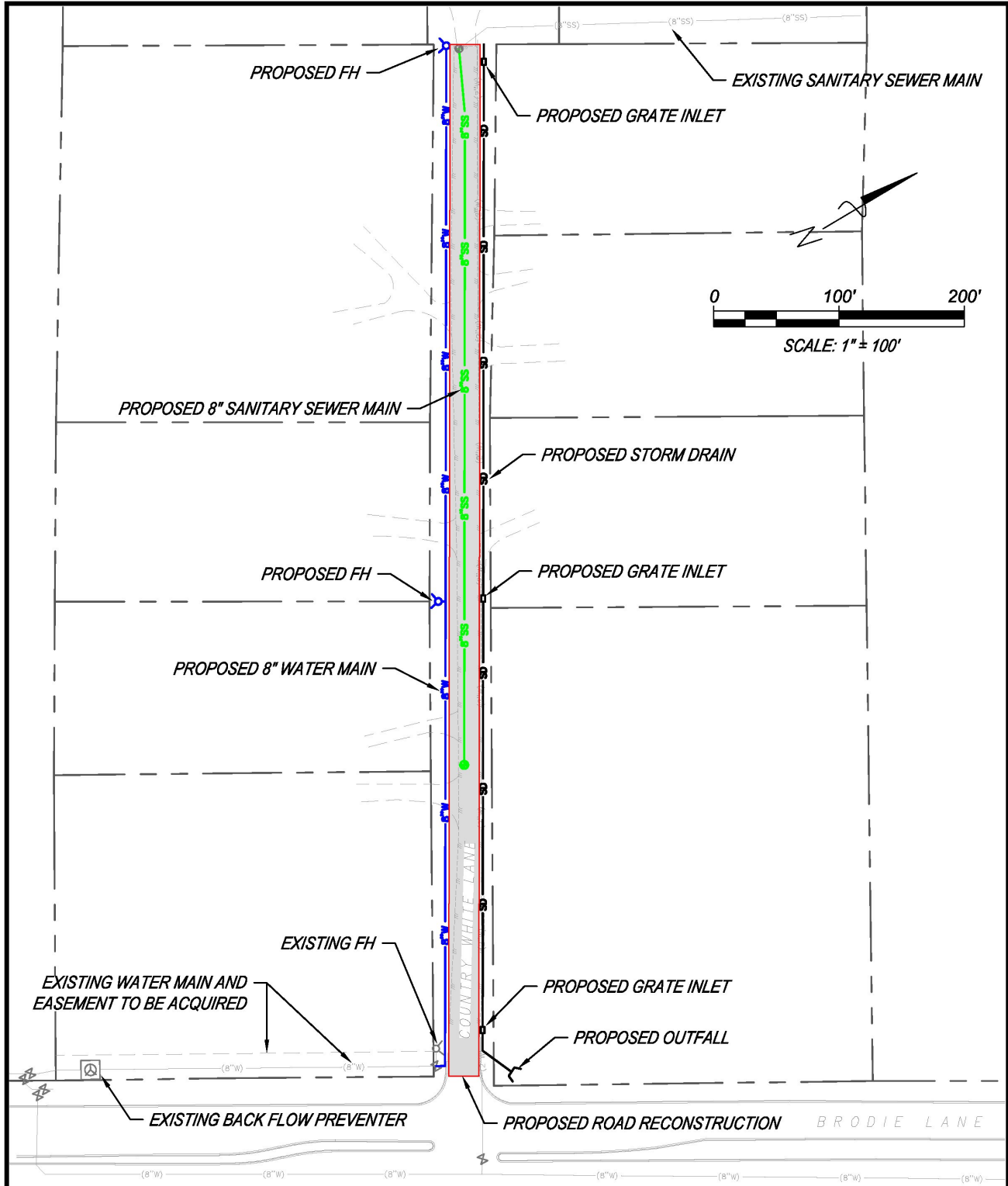
## PROJECT PHOTOGRAPHS/ ILLUSTRATIONS



## ESTIMATED PROJECT COSTS

| Project Activity                     | Estimated Cost      |
|--------------------------------------|---------------------|
| Engineering and Permitting           | \$ 215,000          |
| Right-of-way Acquisition             | \$ 76,000           |
| Construction                         | \$ 1,065,000        |
| Project Contingency                  | \$ 135,000          |
| <b>TOTAL ESTIMATED PROJECT COSTS</b> | <b>\$ 1,491,000</b> |

# PROJECT LAYOUT SHEET



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|--|---|--|--|
|  <p style="font-size: small;">172 CREEKSIDE PARK, STE 115<br/>BULLVERDE, TX 78070</p> <p style="font-size: x-small;">(830) 438-0329<br/>TBPE FIRM F-21047</p> | <p><b>COUNTRY WHITE LANE<br/>WATER, SEWER AND ROAD<br/>IMPROVEMENTS<br/>EXHIBIT</b></p> | <p>DRAFTED BY: TB</p> <p>DESIGNED BY: TT</p> <p>CHECKED BY: TT</p> | <p>SHEET NO.</p> <p style="text-align: center;">1 OF 1</p> <p style="text-align: right;">5/18/2022</p> |
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# PROJECT INFORMATION SHEET

**Project Name:** Country White Lane Water Main Improvements

**TYPE OF IMPROVEMENT:** WATER SYSTEM

## PROJECT DESCRIPTION

**Purpose:**

This project includes the extension of an 8" water main in Country White Lane to establish fire protection existing homes located in CoSV's ETJ.

**Scope of Work:**

The water system improvements involve installing a master water meter just south of an existing backflow preventer (privately owned by The Barn), acquiring approximately 300' of private water main, and extending an 8" water line along the south side of Country White lane. After completing the water main extension, the existing 2-1/2" water line will be abandoned.

**Notable Project Challenges:**

None

**ROW Acquisitions:**

None

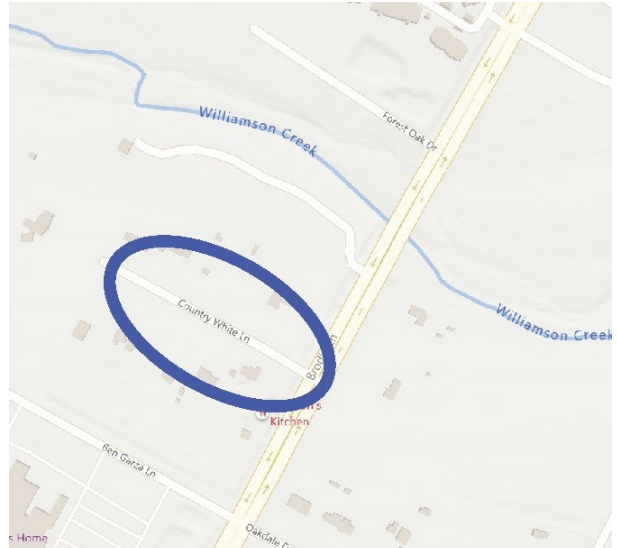
**Approvals:**

This work will require approval from CoA to construct a master meter, an agreement to acquire a private water main, and approvals from Travis County.

**Project Delivery and Schedule:**

This project is suitable for traditional design-bid-construct delivery with project award going to the lowest responsive bidder. The project will take approximately 11 months to complete.

## PROJECT LOCATION MAP



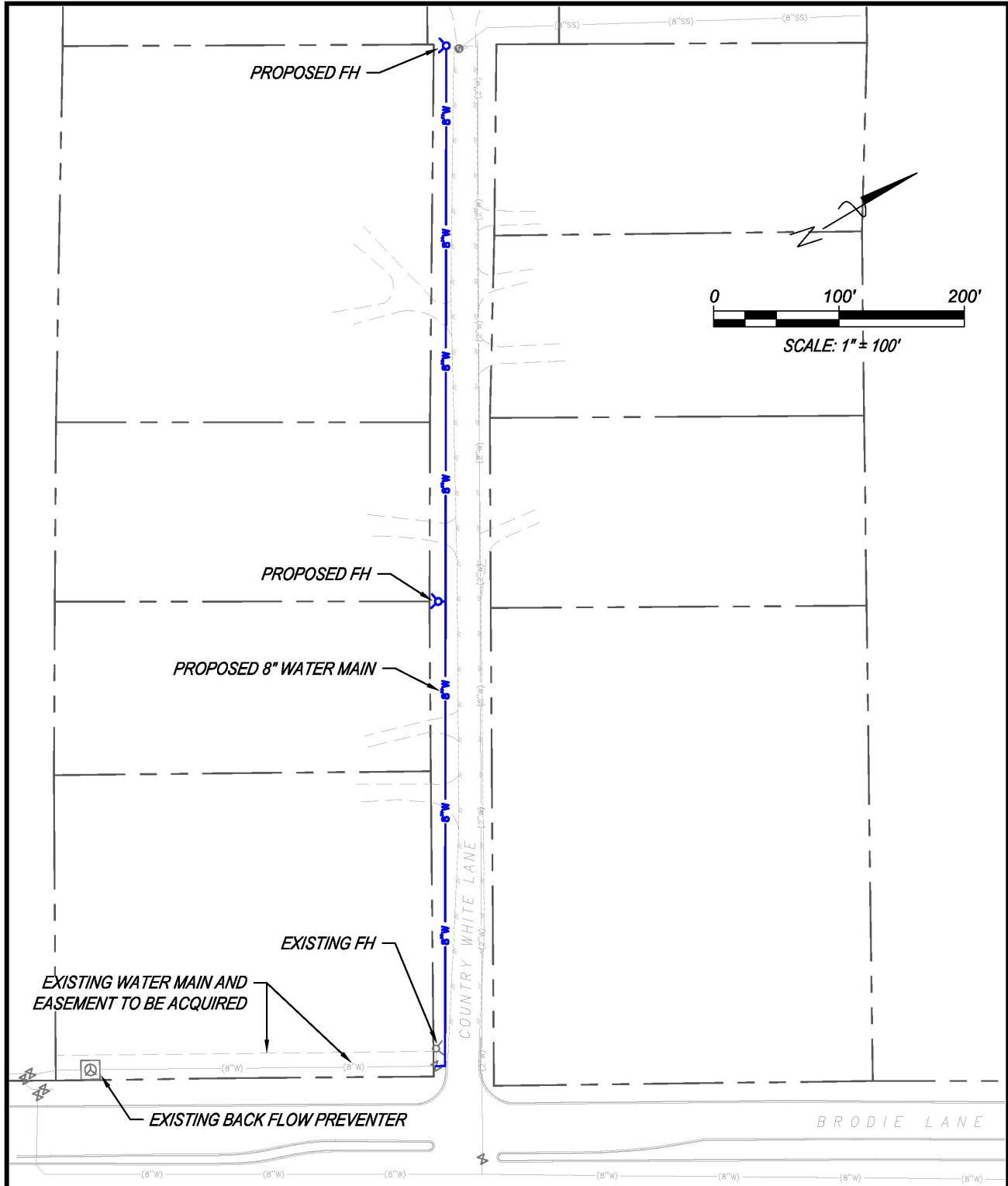
## PROJECT PHOTOGRAPHS/ ILLUSTRATIONS



## ESTIMATED PROJECT COSTS

| Project Activity                     | Estimated Cost    |
|--------------------------------------|-------------------|
| Engineering and Permitting           | \$ 54,000         |
| Right-of-way Acquisition             | \$ 76,000         |
| Construction                         | \$ 350,000        |
| Project Contingency                  | \$ 50,000         |
| <b>TOTAL ESTIMATED PROJECT COSTS</b> | <b>\$ 530,000</b> |

# PROJECT LAYOUT SHEET



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|--|---|--|---|
|  <p>172 CREEKSIDE PARK, STE 115<br/>BUILVERDE, TX 78070</p> <p>(830) 438-0329<br/>TBPE FIRM F-21047</p> | <p><b>COUNTRY WHITE LANE<br/>WATER IMPROVEMENTS<br/>EXHIBIT</b></p> | <p>DRAFTED BY: TB</p>                        | <p>SHEET NO.<br/><br/>1 OF 1<br/><br/>5/18/2022</p> |
|  |   | <p>DESIGNED BY: TT</p> <p>CHECKED BY: TT</p> |   |

# PROJECT INFORMATION SHEET

**Project Name:** ERW and Home Depot Blvd. Concrete Street Repair

**TYPE OF IMPROVEMENT:** STREET SYSTEM

## PROJECT DESCRIPTION

**Purpose:**

This project consists of repairing portions of the concrete pavement on ERW and Home Depot Blvd. by replacing patches of pavement and replacing joint material in existing expansion joints.

**Scope of Work:**

The work involves removing and replacing patches of concrete pavement where spalling, cracking, and settlement has occurred. Also, joint material will be replaced in select location where expansion joints are failing.

**Notable Project Challenges:**

The concrete patching and expansion joint work replacement requires traffic lane closures on both streets. Two-way traffic and access will be maintained at all times. Work may be scheduled at night to minimize inconvenience to the traveling public.

**ROW Acquisitions:**

None

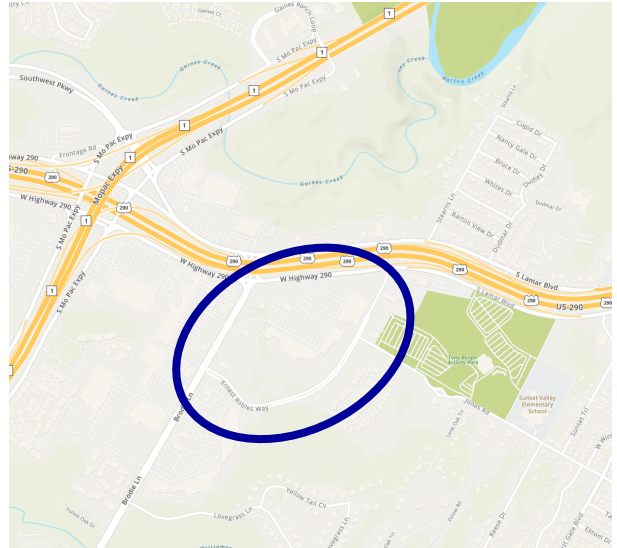
**Approvals:**

None

**Project Delivery and Schedule:**

This project is suitable for traditional design-bid-construct delivery with project award going to the lowest responsive bidder. The project will take approximately 9 months to complete.

## PROJECT LOCATION MAP



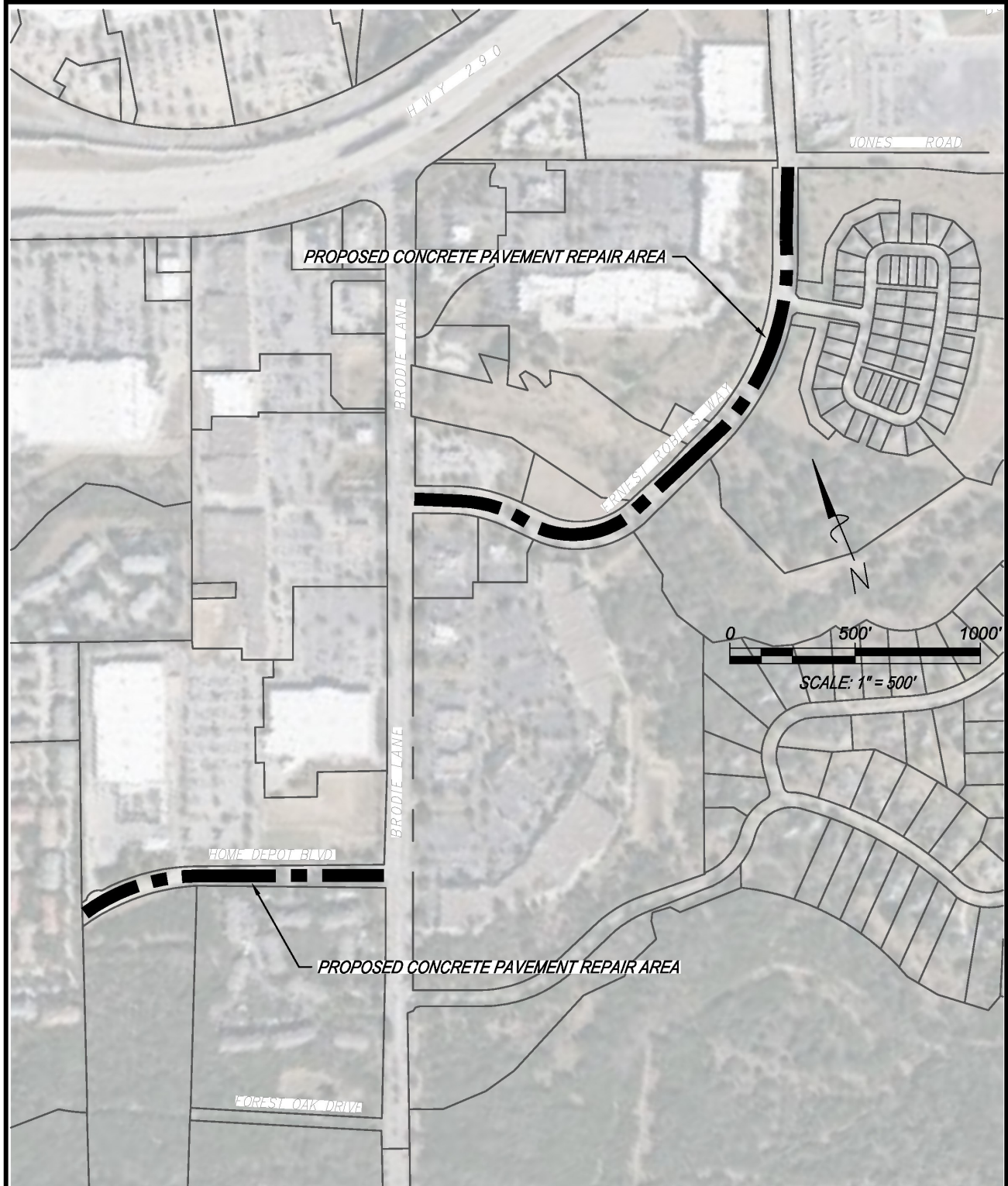
## PROJECT PHOTOGRAPHS/ ILLUSTRATIONS



## ESTIMATED PROJECT COSTS

| Project Activity                     | Estimated Cost    |
|--------------------------------------|-------------------|
| Engineering and Permitting           | \$ 30,000         |
| Right-of-way Acquisition             | \$ 0              |
| Construction                         | \$ 200,000        |
| Project Contingency                  | \$ 25,000         |
| <b>TOTAL ESTIMATED PROJECT COSTS</b> | <b>\$ 255,000</b> |

# PROJECT LAYOUT SHEET



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|  <p style="font-size: small;">172 CREEKSIDE PARK, STE 115<br/>BULLVERDE, TX 78070</p> <p style="font-size: x-small;">(830) 438-0329<br/>TBPE FIRM F-21047</p> | <p><b>ERNEST ROBLES WAY AND<br/>HOME DEPOT BLVD CONCRETE<br/>PAVEMENT REPAIRS<br/>EXHIBIT</b></p> |  | DRAFTED BY: TB<br>DESIGNED BY: TT<br>CHECKED BY: TT | SHEET NO.<br>1 OF 1<br>5/18/2022 |
|  |   |  |   |                                  |
|  |   |  |   |                                  |

# PROJECT INFORMATION SHEET

**Project Name:** Ernest Robles Way Street Repair at Upper Cougar Creek

**TYPE OF IMPROVEMENT:** STREET SYSTEM

## PROJECT DESCRIPTION

**Purpose:**

This project will repair the concrete pavement and stone stacks that are damaged caused by the settlement of road fill material at the Upper Cougar Creek multiple box drainage culvert.

**Scope of Work:**

This project includes demolition, soil stabilization, placement of concrete pavement and inlets, placement of the stone stacks, and reconstruction of the existing trials and railing.

**Notable Project Challenges:**

The street repair will require two phases of traffic lane closures. Two-way traffic and access will be maintained at all times during construction.

**ROW Acquisitions:**

None

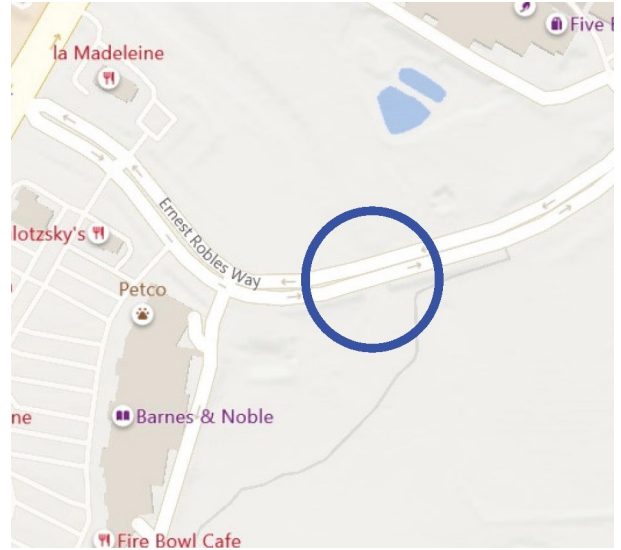
**Approvals:**

A EAPP/WPAP requires approval from TCEQ before construction can begin.

**Project Delivery and Schedule:**

This project is suitable for traditional design-bid-construct delivery, with the project award going to the lowest responsive bidder. The project will take approximately 12 months to complete.

## PROJECT LOCATION MAP



## ESTIMATED PROJECT COSTS

| Project Activity                     | Estimated Cost    |
|--------------------------------------|-------------------|
| Engineering and Permitting           | \$ 80,000         |
| Right-of-way Acquisition             | \$ 0              |
| Construction                         | \$ 390,000        |
| Project Contingency                  | \$ 45,000         |
| <b>TOTAL ESTIMATED PROJECT COSTS</b> | <b>\$ 515,000</b> |

## PROJECT PHOTOGRAPHS/ILLUSTRATIONS



# PROJECT LAYOUT SHEET



172 CREEKSIDE PARK, STE 115  
BULVERDE, TX 78070 (830) 438-0329  
TBPE FIRM F-21047

## ERNEST ROBLES WAY STREET REPAIR EXHIBIT

DRAFTED BY: TB  
DESIGNED BY: TT  
CHECKED BY: TT

SHEET NO.

1 OF 1

5/18/2022

# PROJECT INFORMATION SHEET

**Project Name:** Home Depot Water Meter Vault Repair

**TYPE OF IMPROVEMENT:** WATER SYSTEM

## PROJECT DESCRIPTION

**Purpose:**

This project involves the repair of Home Depot’s water meter vault to stop water from flooding the inside of the vault. Also included is the replacement of the concrete pavement adjacent to the vault to mitigate water ponding along the curb line.

**Scope of Work:**

The improvements include additional water leak studies, irrigation pipe repair and pavement repair on Home Depot Blvd.

**Notable Project Challenges:**

Pavement Repair will require lane closures.

**ROW Acquisitions:**

None

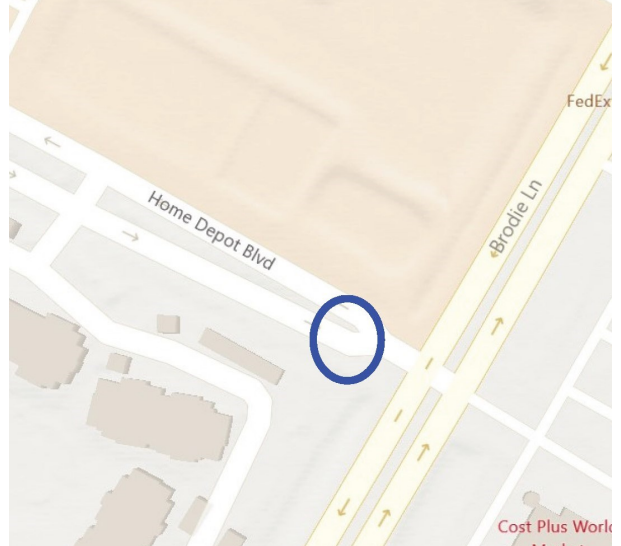
**Approvals:**

None

**Project Delivery and Schedule:**

This project can be combined with the ERW and Home Depot Blvd. Street Repairs. The project will take approximately 7 months to complete.

## PROJECT LOCATION MAP



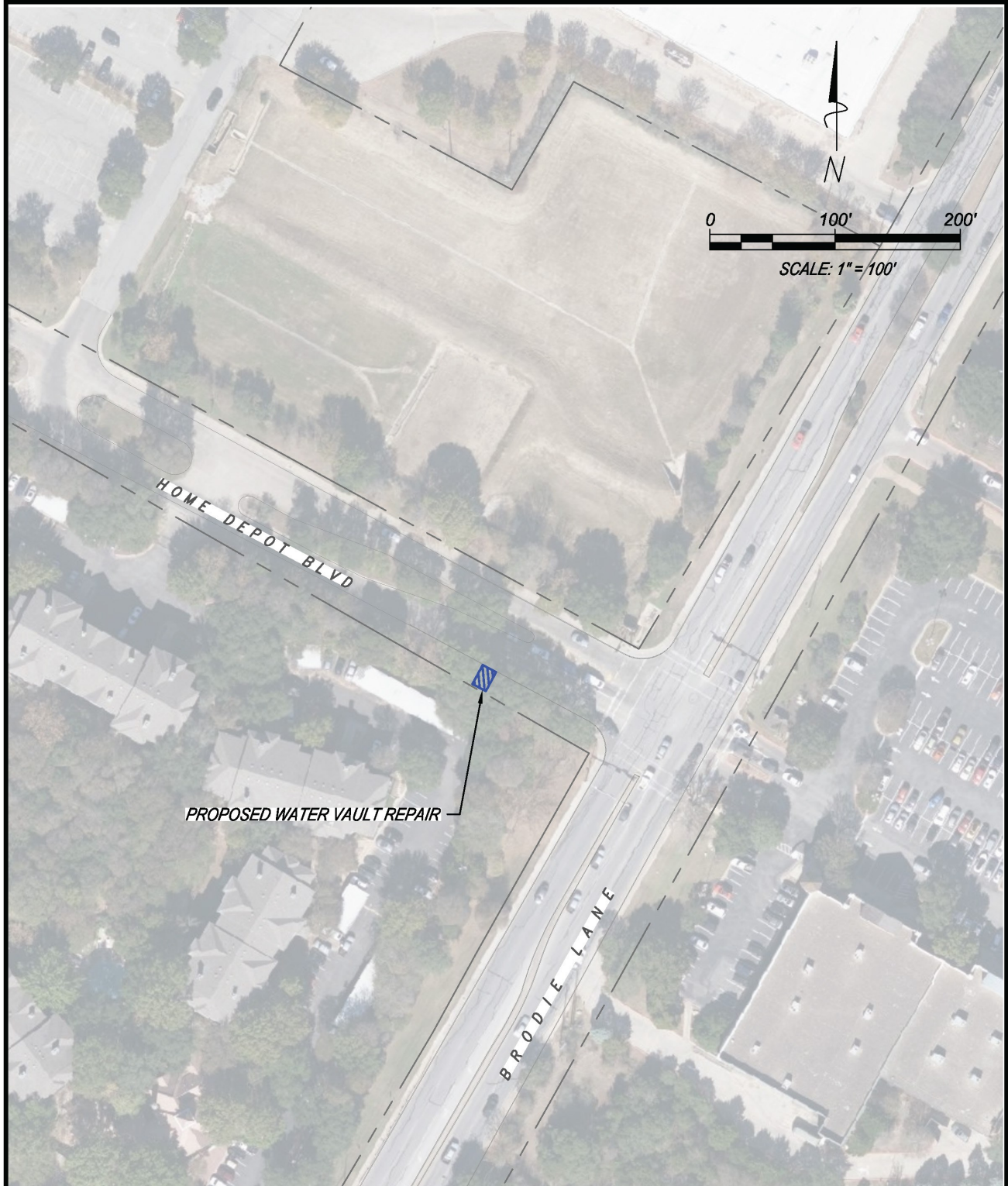
## PROJECT PHOTOGRAPHS/ ILLUSTRATIONS



## ESTIMATED PROJECT COSTS

| Project Activity                     | Estimated Cost   |
|--------------------------------------|------------------|
| Engineering and Permitting           | \$ 15,000        |
| Right-of-way Acquisition             | \$ 0             |
| Construction                         | \$ 35,000        |
| Project Contingency                  | \$ 5,000         |
| <b>TOTAL ESTIMATED PROJECT COSTS</b> | <b>\$ 55,000</b> |

# PROJECT LAYOUT SHEET



172 CREEKSIDE PARK, STE 115  
BULLVERDE, TX 78070

(830) 438-0329  
TBPE FIRM F-21047

## HOME DEPOT BLVD WATER VAULT REPAIR EXHIBIT

DRAFTED BY: TB  
DESIGNED BY: TT  
CHECKED BY: TT

SHEET NO.

1 OF 1

5/18/2022

# PROJECT INFORMATION SHEET

**Project Name:** Brodie Lane – ERW – Jones Road Microsurfacing

**TYPE OF IMPROVEMENT:** STREET SYSTEM

## PROJECT DESCRIPTION

**Purpose:**

This project involves applying a microsurface to Brodie Lane, ERW (north of Jones Rd.) and Jones Road within Sunset Valley. A microsurface establishes a wearing surface, improves skid resistance, seals the pavement from water and improves aesthetics.

**Scope of Work:**

The work involves the installation of a microsurface, and applying striping and pavement markings. Also, a pavement dip near the south end of Brodie will be repaired prior to microsurfacing.

**Notable Project Challenges:**

The microsurfacing and striping operations will require extensive traffic control and lane closures. This work will be accomplished at night to minimize inconvenience to the traveling public.

**ROW Acquisitions:**

None

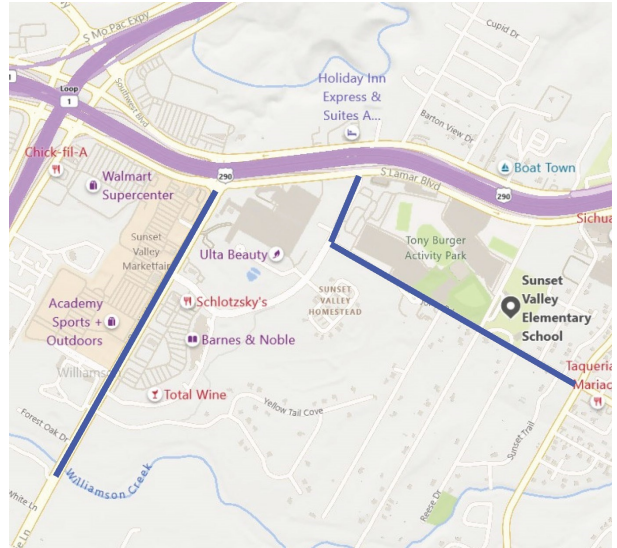
**Approvals:**

The microsurfacing operations will impact traffic operation on US 290 and will require coordination and approvals from TxDOT.

**Project Delivery and Schedule:**

This project is suitable for traditional design-bid-construct delivery with project award going to the lowest responsive bidder. This project will take approximately 9 months to complete.

## PROJECT LOCATION MAP



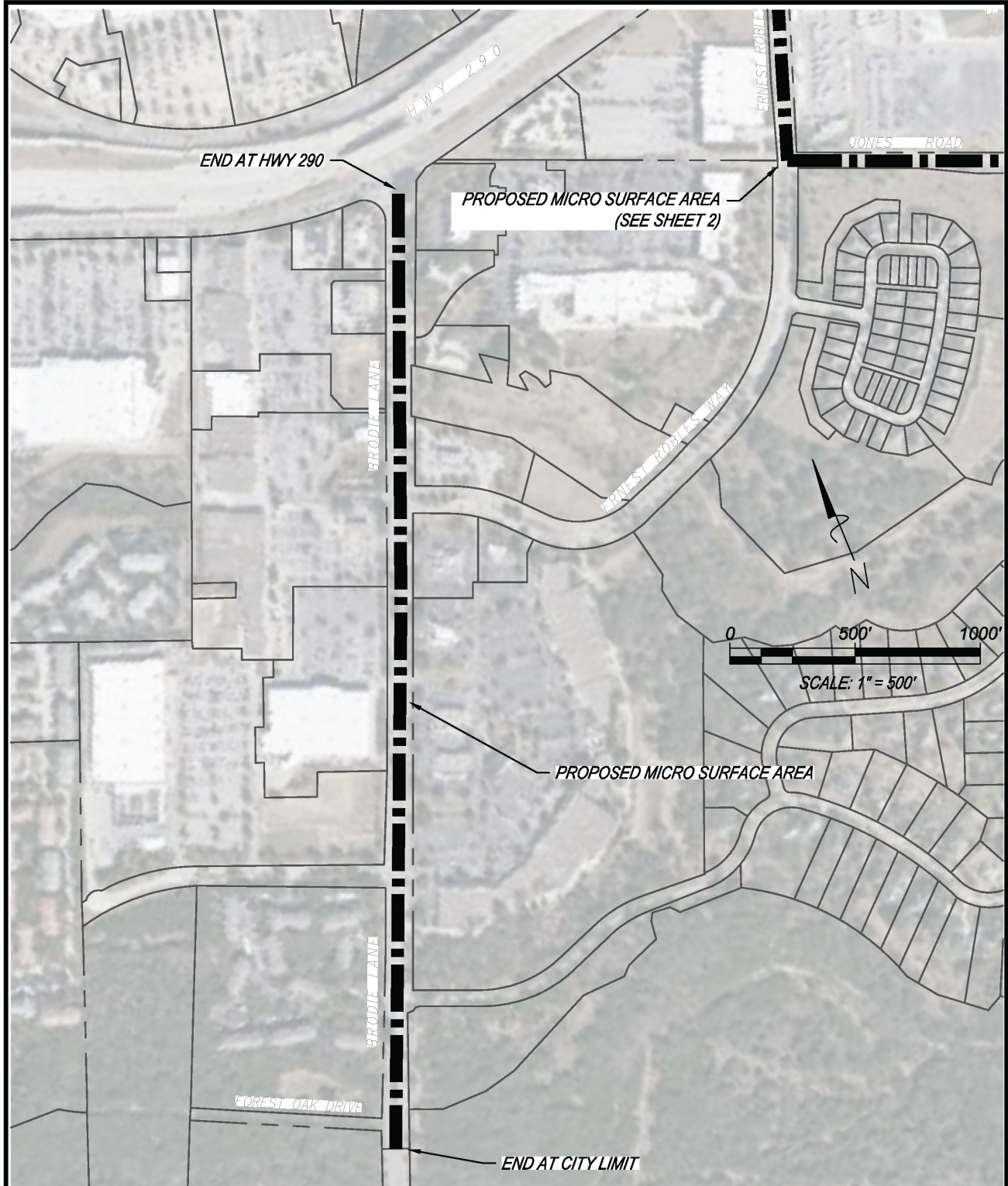
## PROJECT PHOTOGRAPHS/ ILLUSTRATIONS



## ESTIMATED PROJECT COSTS

| Project Activity                     | Estimated Cost    |
|--------------------------------------|-------------------|
| Engineering and Permitting           | \$ 50,000         |
| Right-of-way Acquisition             | \$ 0              |
| Construction                         | \$ 500,000        |
| Project Contingency                  | \$ 55,000         |
| <b>TOTAL ESTIMATED PROJECT COSTS</b> | <b>\$ 605,000</b> |

# PROJECT LAYOUT SHEET



172 CREEKSIDE PARK, STE 115  
BULLVERDE, TX 78070

(830) 438-0329  
TBPE FIRM F-21047

## BRODIE LANE, ERNEST ROBLES WAY AND JONES WAY MICRO SURFACING EXHIBIT

DRAFTED BY: TB

DESIGNED BY: TT

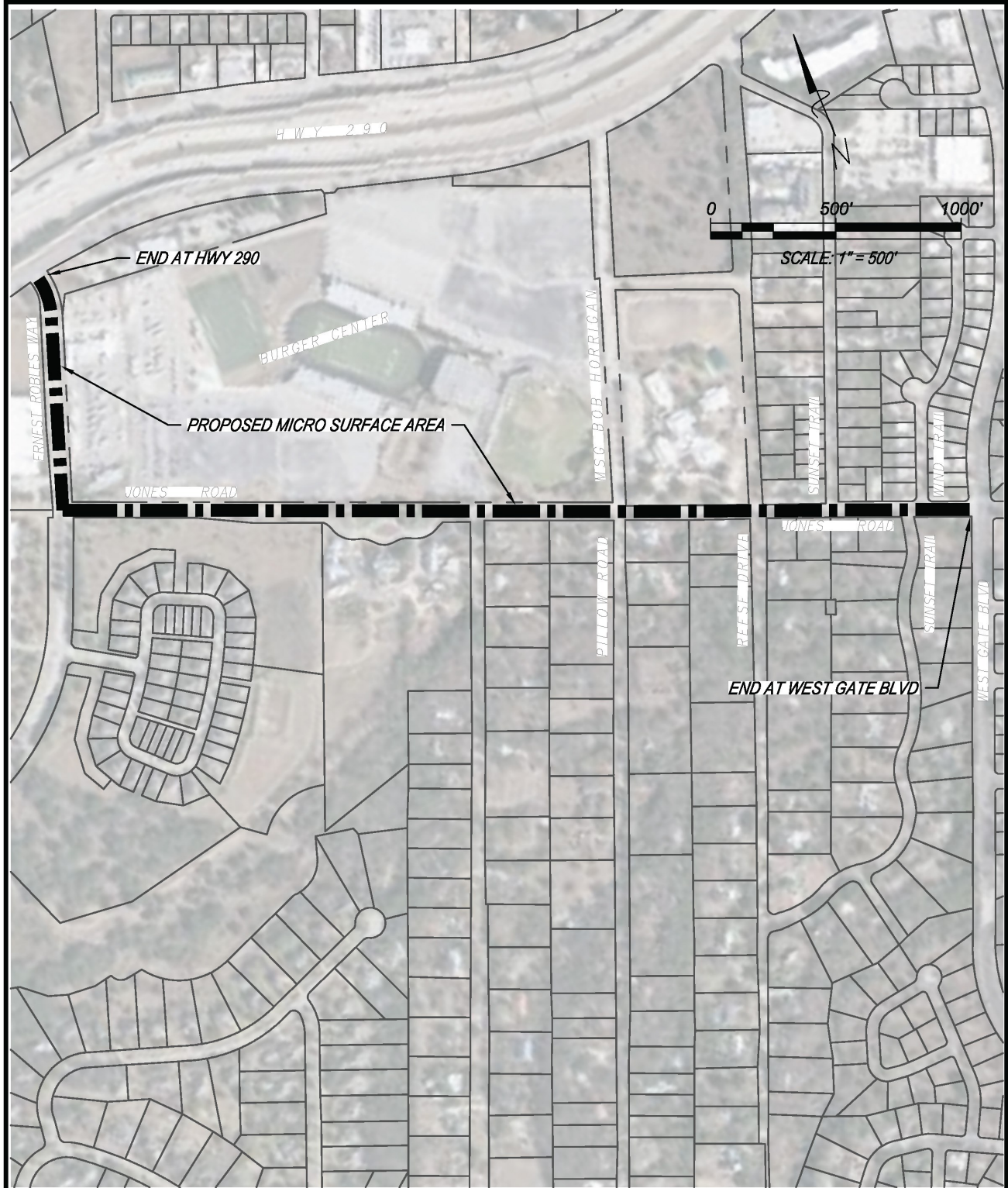
CHECKED BY: TT

SHEET NO.

1 OF 2

5/17/2022

# PROJECT LAYOUT SHEET



172 CREEKSIDE PARK, STE 115  
BUILVERDE, TX 78070

(830) 438-0329  
TBPE FIRM F-21047

## BRODIE LANE, ERNEST ROBLES WAY AND JONES WAY MICRO SURFACING EXHIBIT

DRAFTED BY: TB

DESIGNED BY: TT

CHECKED BY: TT

SHEET NO.

2 OF 2

5/17/2022