103 Elm Street Washington, MO 63090



August 30, 2021

City of Twin Oaks 1381 Big Bend Road Twin Oaks, MO 63021

Attn: Frank Johnson, Administrator/Clerk

RE: Methods of Stormwater Management

Crescent Ave Sidewalk - BFA 3497-13A

Mr. Johnson,

Per our workshop dated 8-18-2021 and our telephone conversation dated 8-19-2021. BFA did a concept analysis on five different options for managing stormwater flow accumulated on Crescent Ave. The following briefly describes the concepts:

Option 1: Convey water to MSD structure (\$39,658+\$10,500=\$50,158)

Option 2: Convey water to a detention basin (\$39,803+\$10,500=\$50,303)

Option 3: Convey water to city structure on Crescent Road (\$98,687+\$16,500=\$115,187)

Option 4: Convey water down 90 Crescent Ave's driveway & through the proposed sidewalk (\$30,450+\$8,000=\$38,450)

Option 5: Convey water to new curb inlet and release in yard of 90 Crescent Ave (sidewalk proposal includes this fee)

Enclosures provide further information of the methods of stormwater management analyzed.

Please let me know if you need further explanation on any of these items or if you have additional items that you would like to have reviewed in more detail.

Best regards,

Tiffaney Campbell

Enclosures:

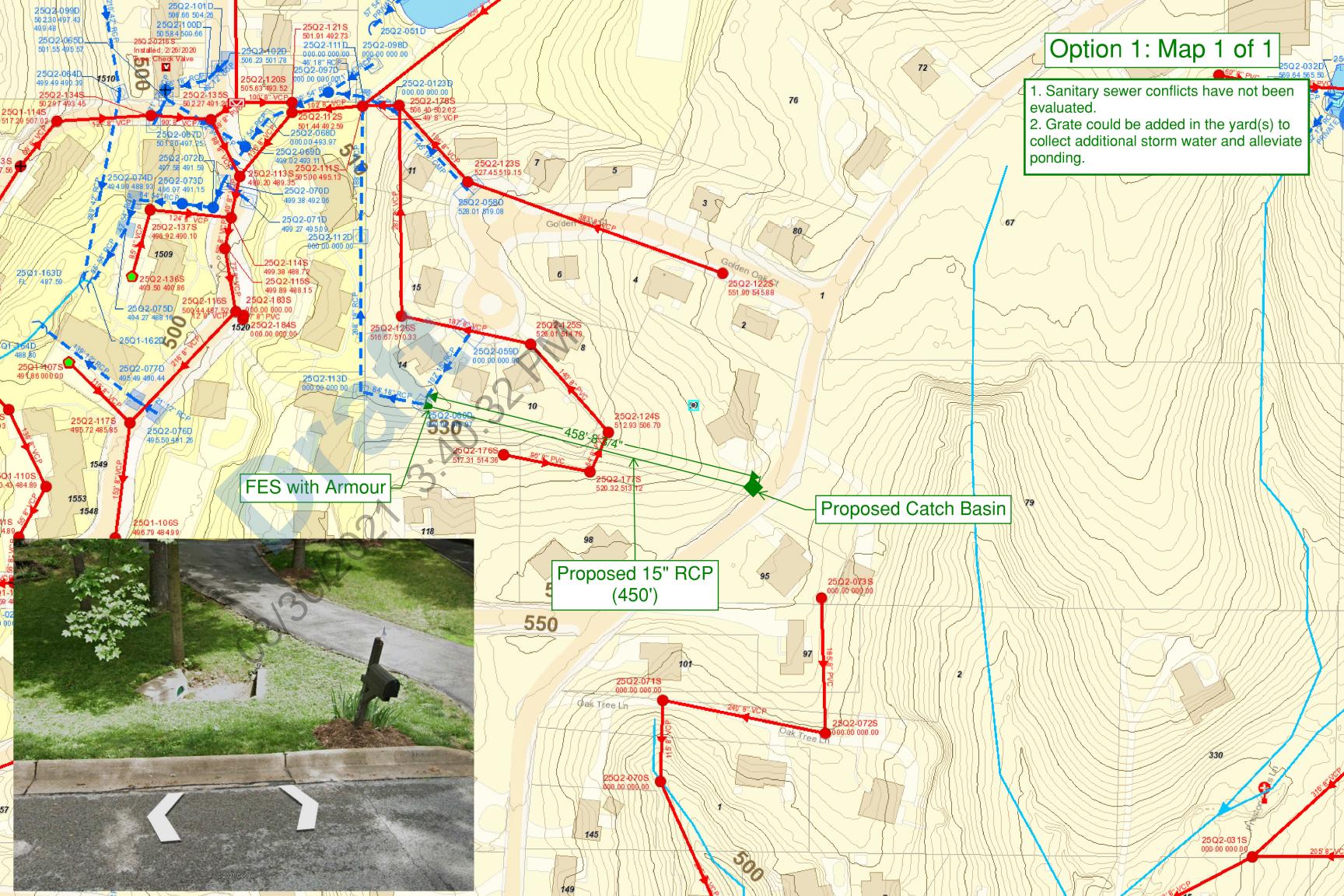
Option 1 Cost Estimate	Page 2 of 13
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Overall Map of Project Area	Page 13 of 13



Option 1: Cost Estimate

ITEM	QUANTITY	QUANTITY UNIT UNIT PRICE TOTAL		TOTAL	
<u>Stormwater</u>					
Curb Catch Basin	1	EACH	\$ 4,100.00	\$	4,100.00
Stormsewer - 15" RCP	460	LF	\$ 50.00	\$	23,000.00
FES with Armour	1	EACH	\$ 1,100.00	\$	1,100.00
		SUBTOTAL	-	\$	28,200.00
Contingency due to preliminary		25%		\$	7,050.00
Inflation		20%			5,640.00
CONSTRUCTION TOTAL		\$	40,890		
ENGINEERING FEE		\$	10,500		

- 1. An approximate 20% inflation cost is anticipated based on observations on recent projects.
- 2. Cost estimate does not include ROW or easement acquisition.
- **3.** Engineering fee includes preparing stormwater calculations (\$4,000), survey (\$2,500), and design plan (\$4,000).
- **4.** Estimates are based on limited investigation of existing conditions and the concept design of the proposed solution.
- **5.** Engineering Fee does not include utility coordination, bid assistance, construction management, public involvement, concept plans, and Easement Exhibit preparation.
- 6. Cost Estimate assumes MSD permitting is not required.
- **7.** Construction Fee does not include traffic control, mobilization, finish grading, seeding, and erosion & sediment control.

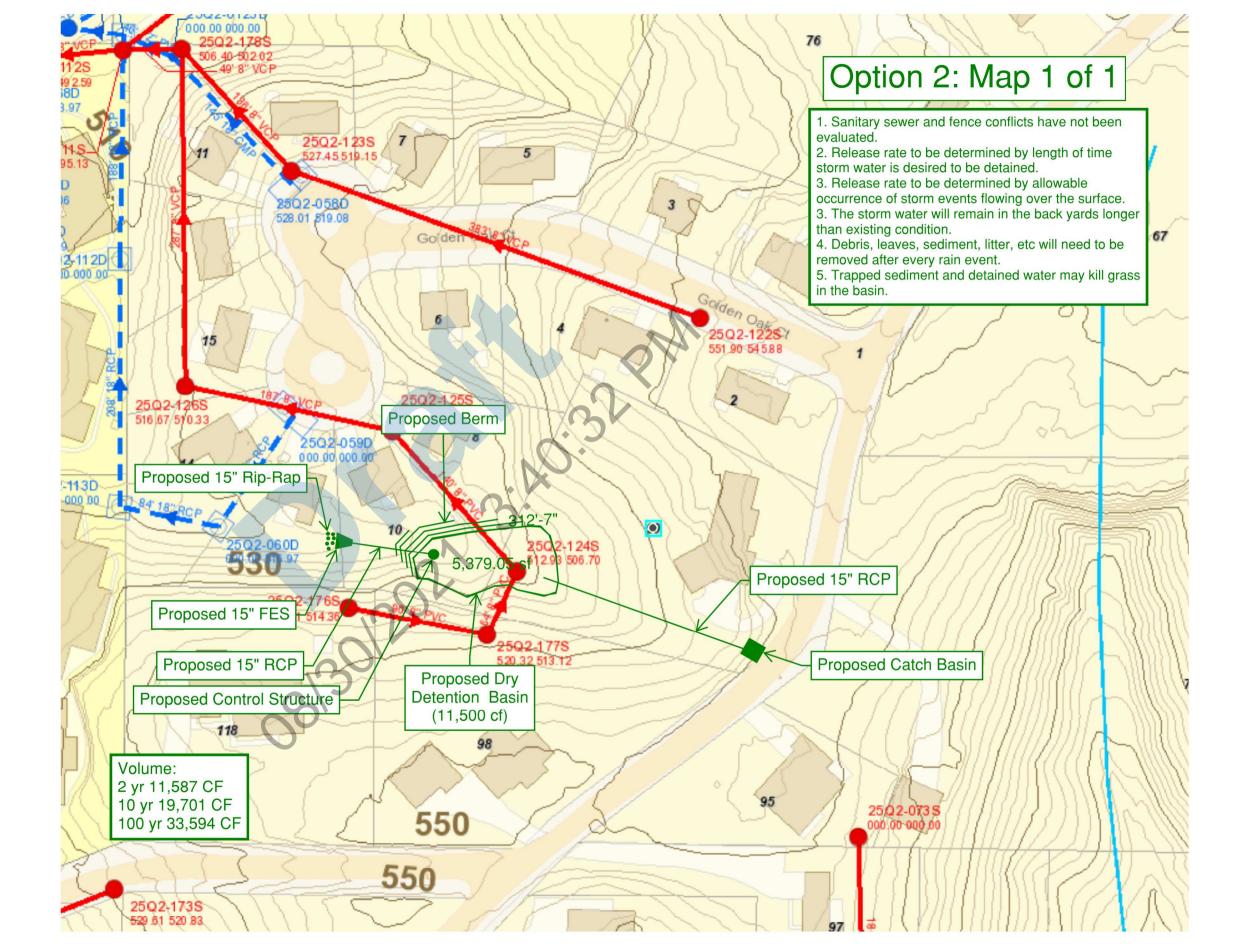


Crescent Ave Sidewalk - Phase I BFA Project No. 3497-13A STORMWATER

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
<u>Utility</u>				
Curb Catch Basin	1	EACH	\$ 4,100.00	\$ 4,100.00
Control Structure	1	EACH	\$ 3,000.00	\$ 3,000.00
Flared End Section	1	EACH	\$ 100.00	\$ 100.00
Stormsewer - 15" RCP	255	LF	\$ 50.00	\$ 12,750.00
Rip-Rap	1	LS	\$ 1,000.00	\$ 1,000.00
<u>Sitework</u>				
Detention Basin Grading (includes haul off)	450	CY	\$ 10.00	\$ 4,500.00
Finish Grading	1	LS	\$ 2,000.00	\$ 2,000.00
		SUBTOTAL		\$ 27,450.00
Contingency due to preliminary		25%		\$ 6,862.50
flation 20%			\$ 5,490.00	
CONSTRUCTION TOTAL		\$ 39,803		
ENGINEERIN	IG FEE			\$ 10,500

- 1. An approximate 20% inflation cost is anticipated based on observations on recent projects.
- 2. Cost estimate does not include ROW or easement acquisition.
- **3.** Engineering fee includes preparing stormwater calculations (\$4,000), survey (\$2,500), and design plan (\$4,000).
- **4.** Estimates are based on limited investigation of existing conditions and the concept design of the proposed solution.
- **5.** Engineering Fee does not include utility coordination, bid assistance, construction management, public involvement, concept plans, and Easement Exhibit preparation.
- 6. Cost Estimate assumes MSD permitting is not required.
- **7.** Construction Fee does not include traffic control, mobilization, seeding, and erosion & sediment control.

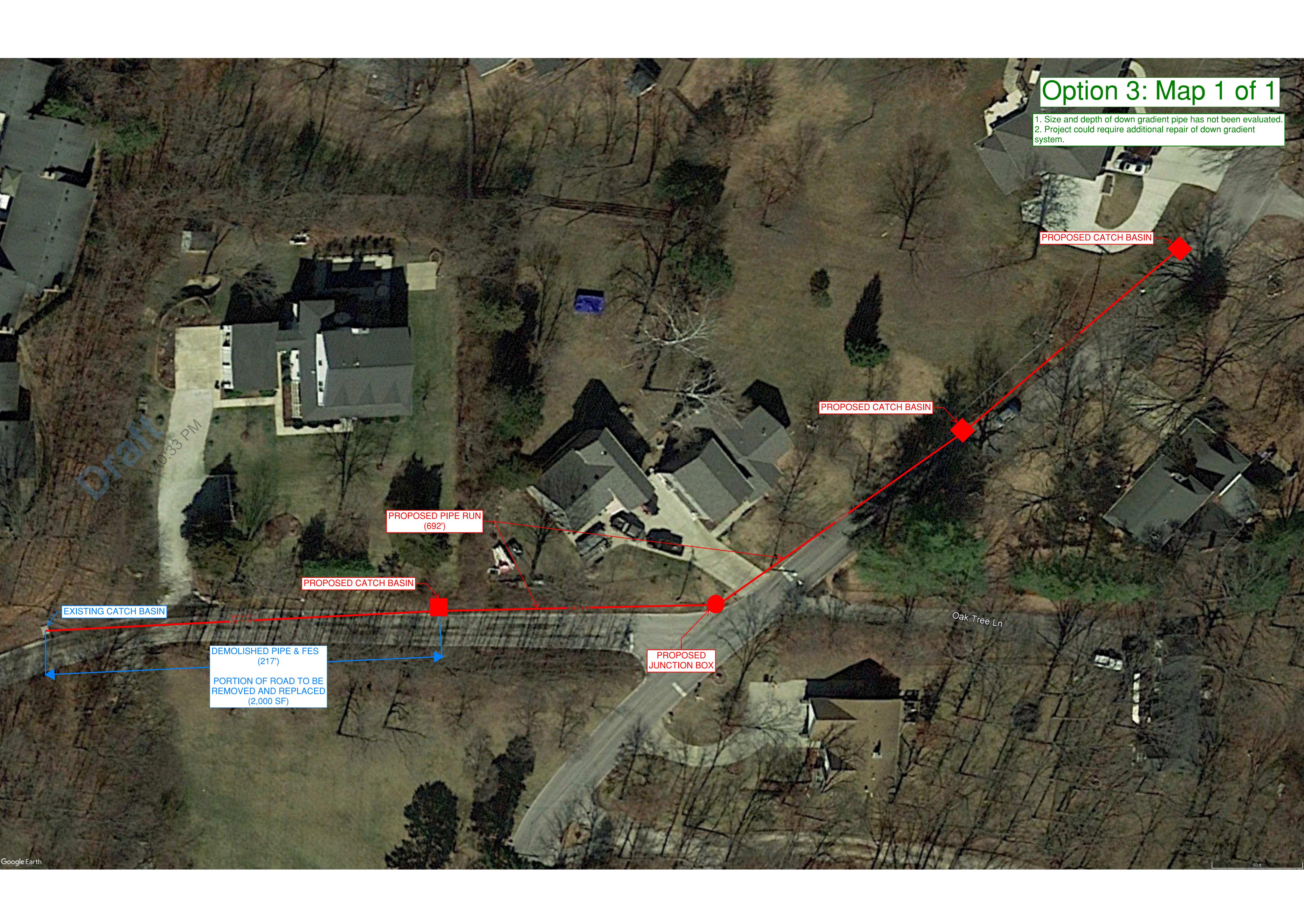
Note: Underground Detention Chambers cost approximately \$7 per cubic yard of storage.





ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
<u>Utility</u>				
Curb Catch Basin	3	EACH	\$ 4,100.00	\$ 12,300.00
Juction Box	1	EACH	\$ 1,500.00	\$ 1,500.00
Stormsewer - 15" RCP	692	LF	\$ 50.00	\$ 34,600.00
<u>Sitework</u>				
Asphalt Pavement	225	SY	\$ 43.00	\$ 9,675.00
<u>Demo</u>				
Asphalt Pavement Removal	225	SY	\$ 15.00	\$ 3,375.00
Stormsewer Pipe Removal	217	LF	\$ 30.00	\$ 6,510.00
Flared End Section Removal	1	EACH	\$ 100.00	\$ 100.00
		SUBTOTAL		\$ 68,060.00
Contingency due to preliminary		25%		\$ 17,015.00
Inflation		20%		\$ 13,612.00
CONSTRU	CTION TOTAL			\$ 98,687
ENGINE	ERING FEE			\$ 16,500

- 1. An approximate 20% inflation cost is anticipated based on observations on recent projects.
- 2. Cost estimate does not include ROW or easement acquisition.
- **3.** Engineering fee includes preparing stormwater calculations (\$4,000), survey (\$2,500), and design plan (\$10,000).
- **4.** Estimates are based on limited investigation of existing conditions and the concept design of the proposed solution.
- **5.** Engineering Fee does not include utility coordination, bid assistance, construction management, public involvement, concept plans, and Easement Exhibit preparation.
- 6. Cost Estimate assumes MSD permitting is not required.
- **7.** Construction Fee does not include traffic control, mobilization, finish grading, seeding, and erosion & sediment control.
- **8.** The existing pipe at the catch basin on Crescent Road appears to be in poor condition and may require additional repairs.





Option 4: Cost Estimate

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
<u>Stormwater</u>				
PVC Channels in Curb	1	LS	\$21,000.00	\$ 21,000.00
		SUBTOTAL		\$ 21,000.00
Contingency due to preliminary		25%		\$ 5,250.00
Inflation		20%		\$ 4,200.00
CONSTRUCTION	N TOTAL			\$ 30,450
ENGINEERIN	G FEE			\$ 8,000

- 1. An approximate 20% inflation cost is anticipated based on observations on recent projects.
- 2. Cost estimate does not include ROW or easement acquisition.
- **3.** Engineering fee includes preparing stormwater calculations (\$2,000), survey (\$1,000), and design plan (\$5,000).
- **4.** Estimates are based on limited investigation of existing conditions and the concept design of the proposed solution.
- **5.** Engineering Fee does not include utility coordination, bid assistance, construction management, public involvement, concept plans, and Easement Exhibit preparation.
- **6.** Cost Estimate assumes MSD permitting is not required.
- **7.** Construction Fee does not include traffic control, mobilization, finish grading, seeding, and erosion & sediment control.

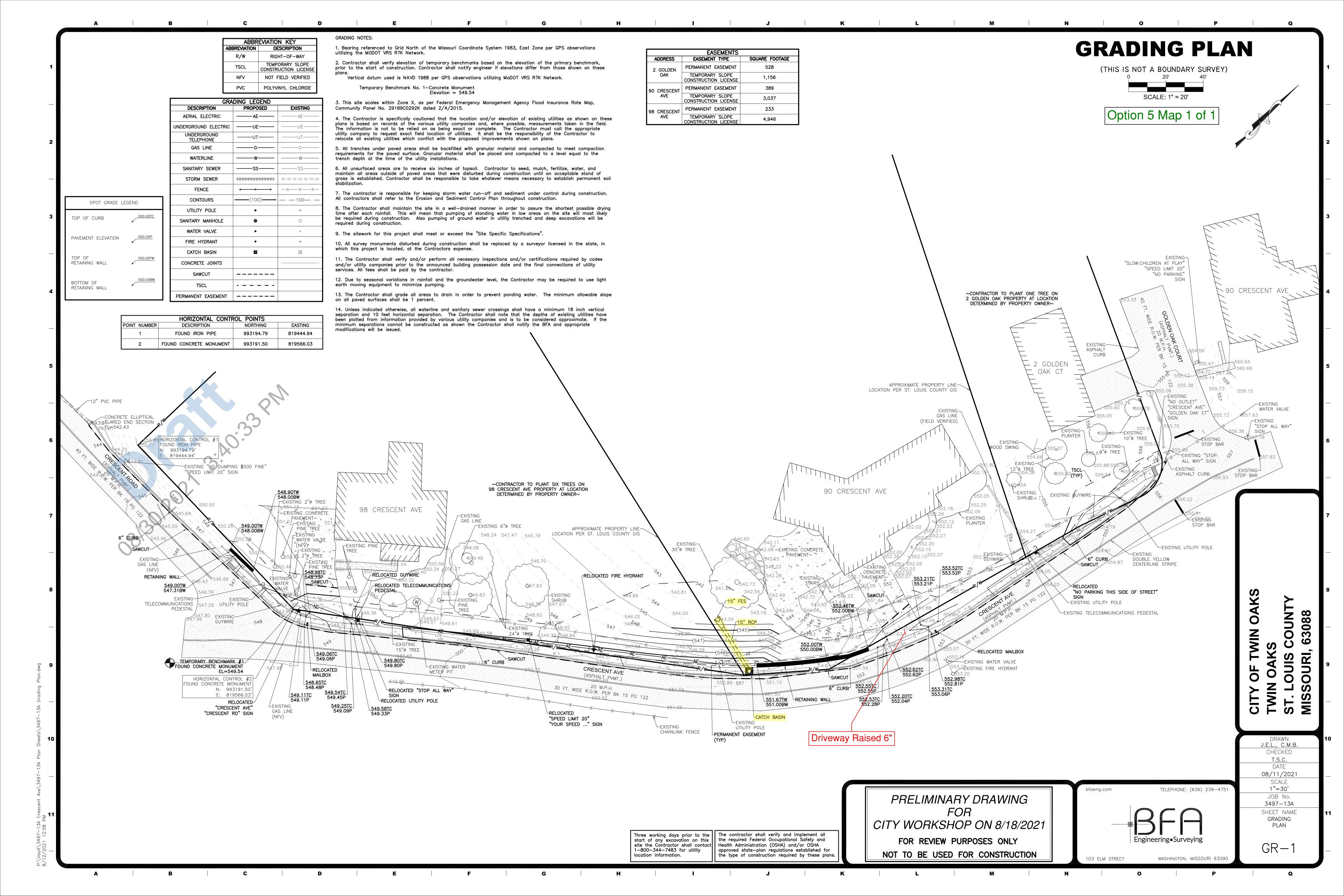


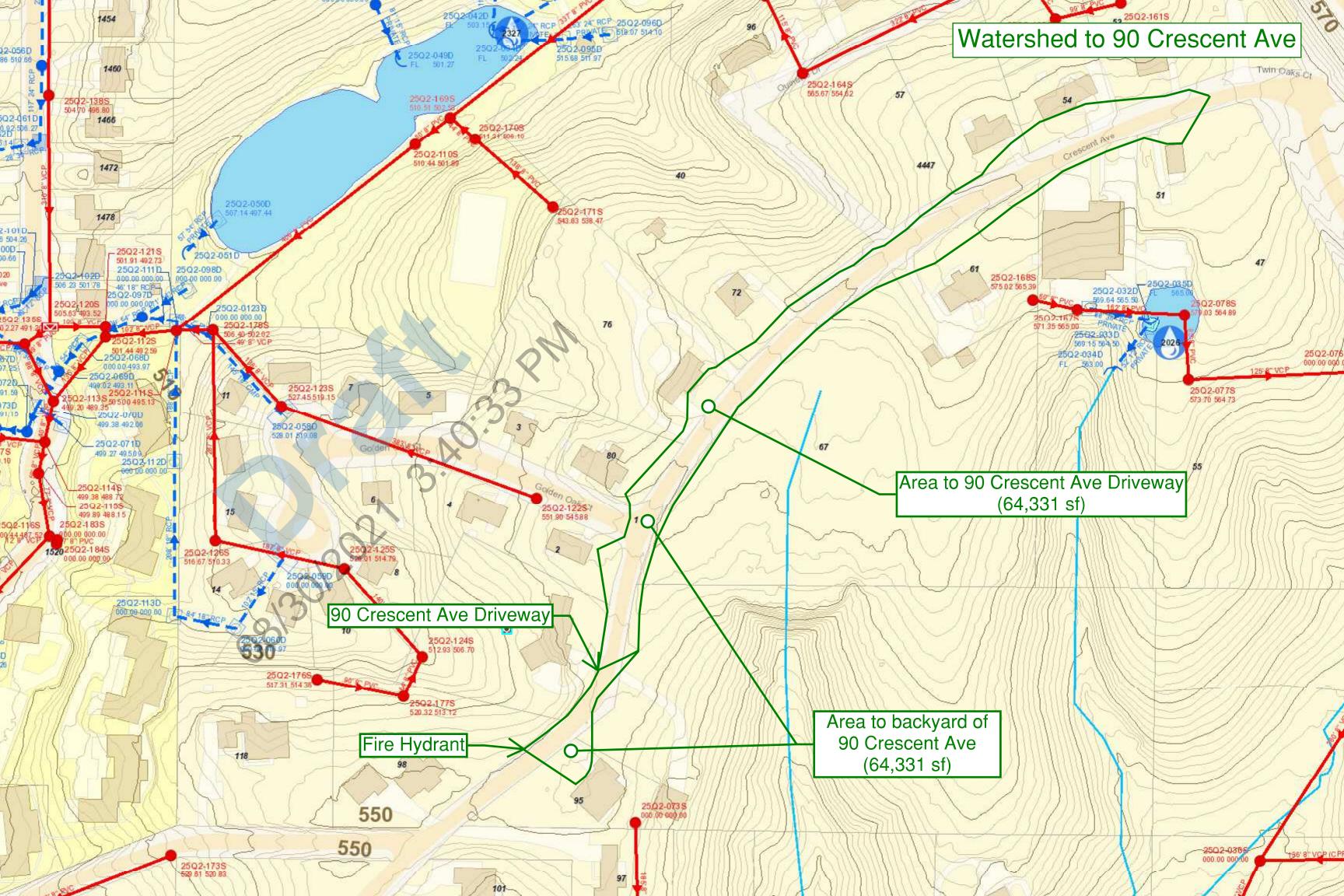


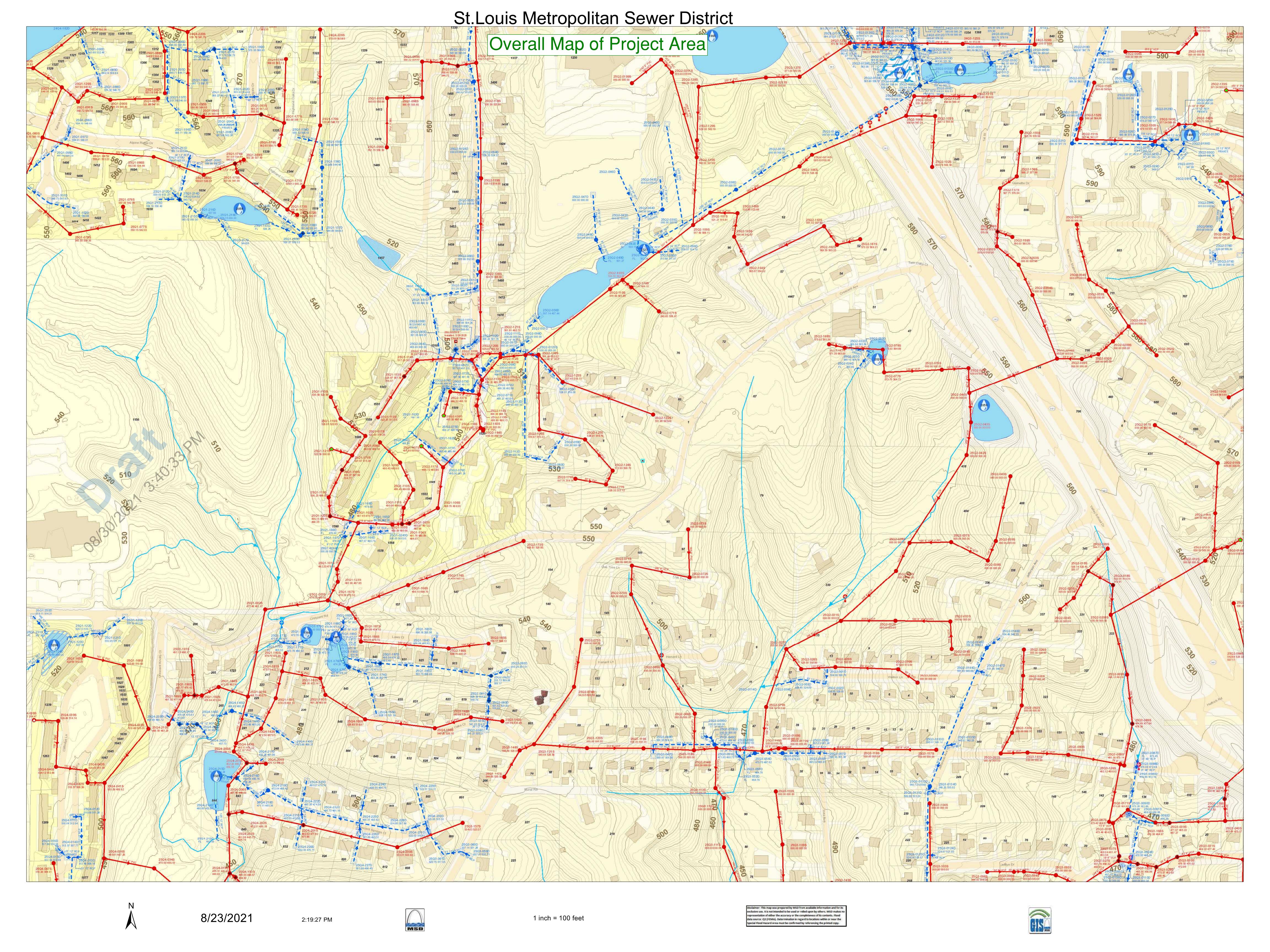
Option 5: Cost Estimate

ITEM	QUANTITY	UNIT	UNIT PRICE	TC	TAL
<u>Stormwater</u>					
Curb Catch Basin	1	EACH	\$ 4,100.00	\$	4,100.00
Stormsewer - 15" RCP	28	LF	\$ 50.00	\$	1,400.00
15" FES	1	EACH	\$ 850.00	\$	850.00
		SUBTOTAL	•	\$	6,350.00
Contingency due to preliminary		25%		\$	1,587.50
Inflation		20%		\$	1,270.00
CONSTRUCTION TOTAL		\$	9,208		
ENGINEE	RING FEE				NA

- 1. An approximate 20% inflation cost is anticipated based on observations on recent projects.
- 2. Cost estimate does not include ROW or easement acquisition.
- **3.** Estimates are based on limited investigation of existing conditions and the concept design of the proposed solution.
- **4.** Engineering Fee does not include utility coordination, bid assistance, construction management, public involvement, concept plans, and Easement Exhibit preparation.
- 5. Cost Estimate assumes MSD permitting is not required.
- **6.** Construction Fee does not include traffic control, mobilization, finish grading, seeding, and erosion & sediment control.
- 7. Engineering fee is included in the sidewalk proposal.

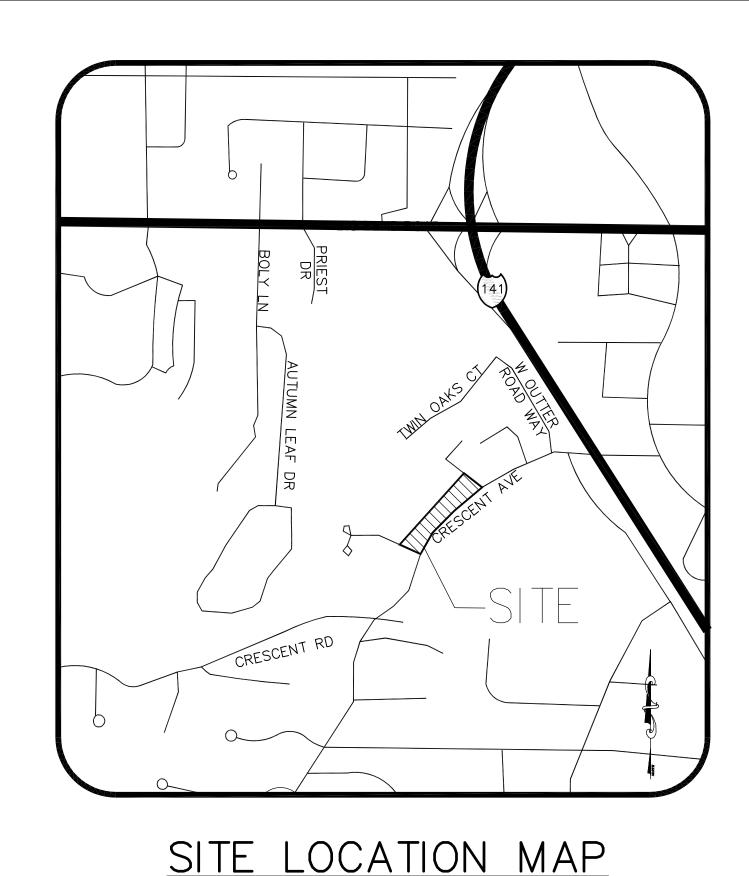






PROPOSED SIDEWALK AND STORMWATER IMPROVEMENTS CRESCENT AVE, TWIN OAKS ST. LOUIS COUNTY, MISSOURI

	UTILITY/ GOVERNING AGENCIES CONTACTS
GAS	SPIRE CONTACT: MATTHEW OTTSEN PHONE: (314) 502-0361 EMAIL: MATTHEW.OTTSEN@SPIREENERGY.COM
TELEPHONE	AT&T CONTACT: DANNY GRAY JR. OFFICE PHONE:(636) 949-1320 MOBILE PHONE:(314) 415-0832 EMAIL:DG7548@ATT.COM
ELECTRIC	AMEREN CONTACT: JOSHUA K WOODSON PHONE: (314) 344-9890 EMAIL: JWOODSON@AMEREN.COM
WATER	UTILITY DEPARTMENT OF PUBLIC WORKS 200 WEST MAIN ANYCITY, ANYSTATE, 00000 CONTACT: NAME PHONE: (XXX) XXX-XXXX



NOT TO SCALE

SHEET INDEX			
SHEET TITLE	SHEET NUMBER	SHEET NUMBER	
COVER SHEET	CS-1	1 OF 6	
TOPOGRAPHIC SURVEY / DEMOLITION PLAN	TS/DM-1	2 OF 6	
GRADING PLAN	GR-1	3 OF 6	
SITE/UTILITY PLAN	ST/UT-1	4 OF 6	
DETAIL SHEET 1	DTL-1	5 OF 6	
DETAIL SHEET 2	DTL-2	6 OF 6	



<u>OWNER</u> City of TWIN OAKS

1381 Big Bend Road Twin Oaks, MO 63021 TEL: (636) 225-7873

PRELIMINARY DRAWING *FOR* FOR REVIEW PURPOSES ONLY

TELEPHONE: (636) 239-475

CHECKED T.S.C. DATE 08/11/2021 SCALE 1"=30' JOB No. 3497-13A SHEET NAME COVER SHEET CS-1

REVISIONS

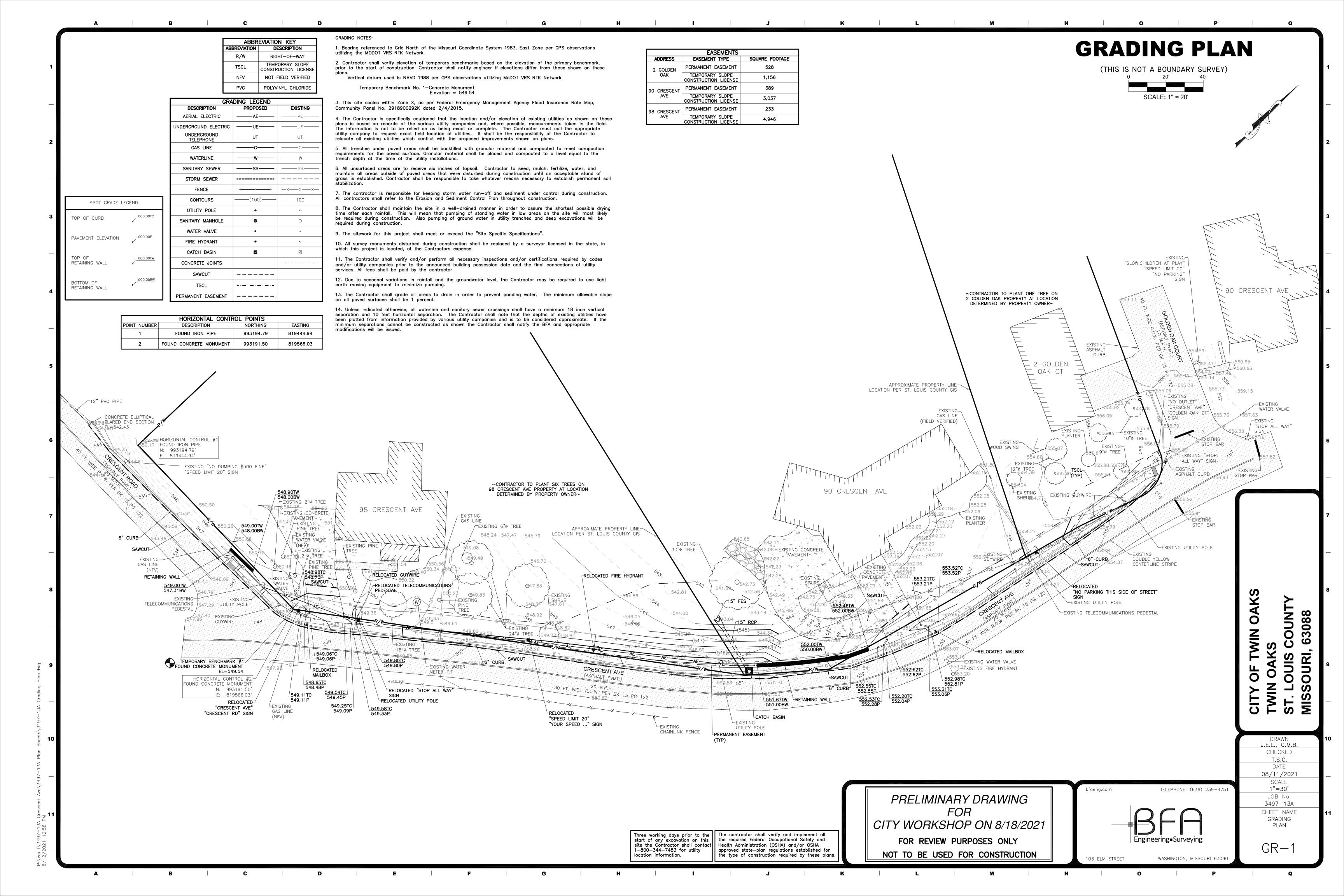
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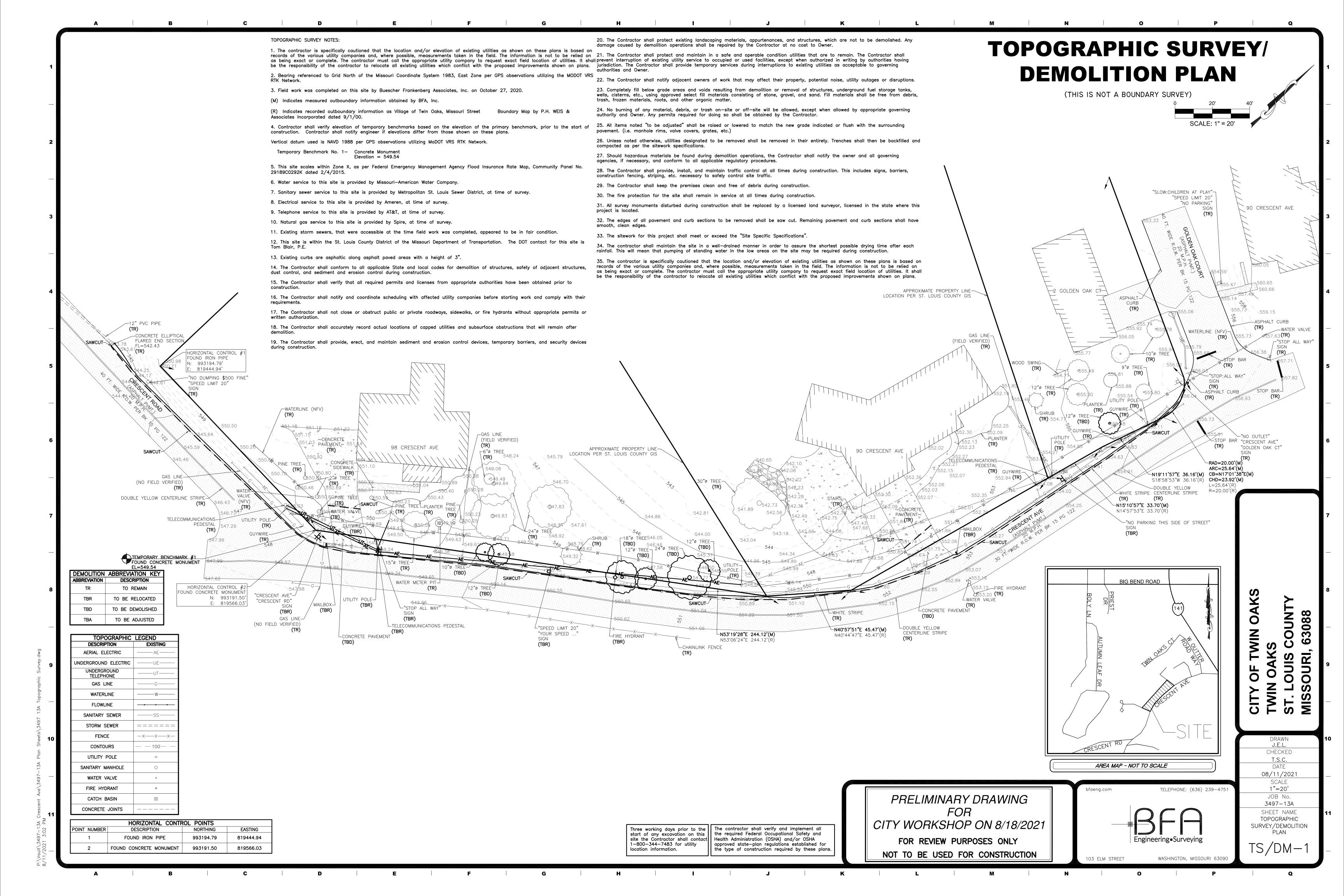
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 $X.X.X \mid XX-XX-XX \mid App: X.X$

Engineering Surveying CITY WORKSHOP ON 8/18/2021 bfaeng.com site the Contractor shall contact Health Administration (OSHA) and/or OSHA -800-344-7483 for utility TELEPHONE: (636) 239-4751 WASHINGTON, MISSOURI 63090 NOT TO BE USED FOR CONSTRUCTION

103 ELM STREET





103 Elm Street Washington, MO 63090



Preliminary Plans

BFA Project No. 3497-13A

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
Mobilization	1	LS	\$ 3,000.00	\$	3,000.00
Traffic Control	1	LS	\$10,000.00	\$	10,000.00
Temporary Erosion Control	1	LS	\$ 3,000.00	\$	3,000.00
<u>Demolition</u>					
Tree Removal 10"-24" diameter	7	EACH	\$ 500.00	\$	3,500.00
Shrub Removal	1	EACH	\$ 80.00	\$	80.00
Pavement Driveway	87	SY	\$ 15.00	\$	1,305.00
Pavement Roadway	65	SY	\$ 15.00	\$	975.00
To Be Relocated					
Mailbox	2	EACH	\$ 200.00	\$	400.00
Signs	4	EACH	\$ 200.00	\$	600.00
Guy Wire Adjusted Due to Grading	3	EACH	\$ 1,500.00	\$	4,500.00
Utility Pole to be Adjusted Due to Grading	3	EACH	\$ 1,500.00	\$	4,500.00
Utility Pole & Guy Wire	1	EACH	\$ 1,500.00	\$	
Fire Hydrant	1	EACH	\$ 3,000.00	\$	8,500.00 3,000.00
Telecommunications Pedestal Adjusted	1		\$ 1,500.00	\$	1,500.00
Telecommunications Pedestal Adjusted Telecommunications Pedestal	1	EACH	\$ 1,300.00	\$	
relecommunications Pedestal	1.	EACH	\$ 2,175.00	Ş	2,175.00
<u>Sitework</u>					
4' Concrete Sidewalk (4" thick)	275	SY	\$ 58.00	\$	15,950.00
Seeding/Sodding	475	SY	\$ 3.00	\$	1,425.00
Earthwork, Import Fill	40	CY	\$ 15.00	\$	600.00
Earthwork, Cut & Fill Rotation	175	CY	\$ 5.00	\$	875.00
Truncated Dome	2	EACH	\$ 200.00	\$	400.00
Driveway Sawcut	37	LF	\$ 10.00	\$	370.00
Rebuild Concrete Driveway	60	SY	\$ 43.00	\$	2,580.00
2' Tall Retaining Wall	90	LF	\$ 105.00	\$	9,450.00
Concrete Curb	660	LF	\$ 23.00	\$	15,180.00
Curb Catch Basin	1	EACH	\$ 4,100.00	\$	4,100.00
Stormsewer - 15" RCP	28	LF	\$ 50.00	\$	1,400.00
15" FES	1	EACH	\$ 850.00	\$	850.00
Doodway					
Roadway Chrising	660	15	ć 100	Ļ	CC0.00
Striping	660	LF	\$ 1.00	\$	660.00
Sawcut	660	LF	\$ 10.00	\$	6,600.00
Concrete Roadway	660	LF	\$ 5.00	\$	3,300.00
		SUBTOTAL	l	\$	110,775.00
Contingency due to preliminary	10%			\$	11,077.50
Inflation		20%		\$	22,155.00
CONSTRUCTION	N TOTAL			\$	144,008

- 1. This based on Preliminary Plans dated 8/11/2021.
- **2.** An approximate 20% inflation cost is anticipated based on observations on recent projects.





August 13, 2021

City of Twin Oaks 1381 Big Bend Road Twin Oaks, MO 63021

Attn: Frank Johnson, City Clerk

RE:

Summary of Cost – Stormwater and Sidewalk Improvement Project

Crescent Ave (Golden Oak Ct to Crescent Rd)

BFA #3497-13A

Mr. Johnson,

The proposed sidewalk is located along the west of side Crescent Ave from Golden Oak Ct to Crescent Road and is approximately 560-feet long. The project consists of constructing a 4-foot wide sidewalk, 6-inch curb and stormwater improvements at 90 Crescent Ave. Below is a summary of the estimated cost for the project.

Construction Cost Estimate	\$144,008
Public Involvement and Concept Plans	\$16,500
Engineering Services for Design and Bid Assistance	\$26,100
Survey Services for Right of way, TSCL, & License to Utilize Easement	\$10,350
Construction Observation Services	\$9,700
Total Project Cost	\$206,658
Total Spend as of August 6, 2021	\$ (23,218.85)
Total Future Project Cost	\$183,439,15

This does not include the following:

- Purchase of Right-of-way
- Coordination and negotiation of Right-of-way Acquisition

ghell

Construction testing

Best Regards,

Tiffane Campbell

BFA, Inc

Enclosed

Construction Cost Estimate

Proposal for Engineering Services

Proposal for Survey Services

Proposal for Construction Observation Services

103 Elm Street Washington, MO 63090



August 12, 2021

City of Twin Oaks 1381 Big Bend Road Twin Oaks, MO 63021 Attn: Frank Johnson, City Clerk

RE: Proposal for Engineering Services – Stormwater and Sidewalk Improvement Project Crescent Ave (Golden Oak Ct to Crescent Rd)

BFA #3497-13A

Mr. Johnson,

BFA, Inc. (BFA) is submitting this proposal to provide Professional Engineering and Surveying Services for the above-referenced project. As shown in Concept Plan D, dated 4-2-21 and approved on 5-5-21, the proposed 0.11-mile sidewalk and stormwater improvements include the following:

- New 4-foot-wide sidewalk along the west side of Crescent Ave
- New 6-inch tall curb with 1-foot wide concrete shoulder
- Stormwater improvement at 90 Crescent Ave
- This scope does not include grade changes to the road

BFA's general scope of work is to prepare plans and bid documents for the project. For this scope of work, **BFA's estimated fee is \$26,100**.

The section below provides a general listing of the anticipated services and deliverables to be provided by BFA. Client-desired items not listed below should be **clarified in writing**, to prevent conflicts of anticipated scope and fees during the project.

Survey Services

BFA completed the fieldwork as part of the public involvement portion of the project.

Preparation of Preliminary Design Improvement Plans (\$6,500)

This estimated fee includes work that is partially complete.

BFA will begin developing design plans of the proposed improvements based on Concept Plan D. The proposed improvements will be periodically shared and discussed with city staff for review and comment. BFA will prepare a preliminary Cost Estimate of the proposed site improvements. Anticipated tasks are as follows:

- Develop Preliminary Improvement Plans. Anticipated plan sheets: Cover Sheet, Topographic Survey/Demolition Plan, Grading Plan
- City Workshop Meeting with City Board to discuss preliminary plans (1 meeting included)
- Revise Preliminary Improvement Plans based on city comments (1 set of comments included)
- Prepare a Preliminary Cost Estimate of Proposed Improvements

Permits and Regulatory Requirements (\$5,000)

Preparation of Plans, Specifications, and Applications to apply for a St. Louis County Land Disturbance Permit. Anticipated tasks to be completed are as follows:



- Prepare Erosion and Sediment Control Plans and Details for County Review
- Revise Erosion and Sediment Control Plans per County comments (3 sets of comments included)
- Obtain St. Louis County Land Disturbance Permit (City is responsible for signatures and permitting fees)

Preparation of Final Plans and Specifications (\$6,500)

Final Plans and Sitework Specifications will be prepared for bidding purposes, along with a cost estimate of the Final Site Improvements. The Final Plans and Documents will be provided to the City in .pdf format and one full-size hard copy. Anticipated tasks associated with the preparation of Final Plans and Specifications are as follows:

- Develop Final Signed and Sealed Improvement Plans. Anticipated plan sheets: Cover Sheet, Topographic Survey/Demolition Plan, Grading Plan, Site Plan/Utility Plan, Detail Sheets
- Prepare Sitework Specifications
- Prepare a Final Cost Estimate of Improvement Plans
- City Workshop Meeting with the City Board to discuss final plans (1 meeting included)

Preparation of Contract Documents (\$4,500)

Once the Final Plans are prepared, we will prepare the contract documents and bid advertisement. We will assist the City in advertising the project to interested bidders. Anticipated tasks are as follows:

- Attend a Pre-Bid Meeting with the City and interested Bidders
- Contact Contractors and give notice of Bid Advertisement
- Bid Administrator Assistance, which includes preparing contract documents
- Attend the Bid Opening with the City and interested bidders
- Prepare Bid Tabs and Recommendation

Utility Coordination (\$4,000)

This estimated fee includes work that is partially complete.

Once the topographic survey is completed, BFA will verify the survey with utility companies. Once plans are 70% complete, BFA will coordinate potential utility relocations. Anticipated tasks are as follows:

- Coordinate with utility companies to verify utility locations
- Make alterations to plan sheets per utility company comments
- Coordinate with utility companies to relocate utilities

BFA's proposed fee does not include the following services and/or items. Should the City wish for any of the below items to be included, we can provide these services and negotiate the associated fee(s):

- Geotechnical Services
- Environmental Services
- This proposal includes addressing one set of City comments with plan modifications. Should major plan revisions be requested after the preparation of the Design Improvements, additional fees may be incurred.
- This proposal includes two City meetings. Should additional meetings be requested, additional fees may be incurred (Estimated fee \$1000/meeting).

The City of Twin Oaks will be billed monthly on a time and materials basis. Reimbursable printing, mileage, permit fees, etc. will be billed at cost to BFA without any markup and are not included in our proposed Engineering and Surveying Fee proposal. BFA shall obtain written approval from the City before performing any work that is outside of the scope of the project.



Please provide formal authorization for us to begin work on this project by signing below and returning this document to us. BFA's proposal and fees for this project shall remain applicable for 60 days after execution by BFA below.

We are excited about the opportunity to work with the City on this project. Please feel free to contact us at any time should you have questions about our services and/or this proposal.

Best regards,	
Tiffaney Campbell	Date
Project Manager	
BFA, Inc.	
Direct: 636.231.4319	
tcampbell@bfaeng.com	
CLIENT ACCEPTANCE	OF PROPOSAL FOR PROFESSIONAL SERVICES
BFA Inc. Authorization:	Client Authorization:
Raymond H. Frankenberg II	Name: Russ Fortune
President	Title: Mayor
 Date	 Date







August 12, 2021 City of Twin Oaks 1381 Big Bend Road Twin Oaks, MO 63021

Attn: Frank Johnson, City Clerk

RE: Proposal for Survey Services – Stormwater and Sidewalk Improvement Project Crescent Ave (Golden Oak Ct to Crescent Rd)

BFA #3497-13A

Mr. Johnson,

BFA, Inc. (BFA) is submitting this proposal to provide Professional Surveying Services for the above-referenced project. BFA's general scope of work is to determine the location of the existing right-of-way along the property being affected by the proposed sidewalk and stormwater improvements, then determine areas of Right-of-Way encroachments for the future sidewalk. For this scope of work, **BFA's estimated fee is \$10,350**.

The section below provides a general listing of the anticipated services and deliverables to be provided by BFA. Client-desired items not listed below should be **clarified in writing**, to prevent conflicts of anticipated scope and fees during the project.

Phase I - Locate Right-of-Way based on Existing Surveys (\$2,400)

Estimate Fee: \$800/parcel

- BFA to obtain plats and deeds, this scope includes fees to purchase documents
- Review available plats and deeds
- Fieldwork to locate property corners (survey monuments, iron rods, etc)
- Prepare a Preliminary Exhibit, which includes critical existing features such as roadway, driveways, fences, slope, etc. and the Right-of-Way Dedication and Temporary Slope
- Include dimensions from the existing road to the right-of-way to easily locate the right-of-way

Phase II - Stakeout Right-of-Way lines (\$750)

Estimated Fee: \$250/parcel

- Set laths at property corners along Right-of-Way
- Set laths every 50 to 75 feet for the existing and proposed Right-of-Way

Phase III – Right-of-Way Acquisition (By Others)

- Present Preliminary Boundary Adjustment Survey and stakeout of the Existing and Proposed Right-of-Way to the Property Owner
- Negotiate cost and conditions of purchase with property Owner
- Obtain Owner's signature for purchase of property
- City to provide documents to be signed by Owner



<u>Phase IV – Right of Way Dedication and Temporary Slope Construction License Exhibit (\$2,700)</u> Estimated Fee: \$900/parcel

- Adjust property lines to widen the Right-of-Way
- Prepare Final Exhibit
- This includes recording fees
- This does <u>not</u> include a legal Description (Estimated Fee \$100/parcel)
- This does not include setting pins at property corner for each lot (Estimated Fee \$250/parcel)

Phase V – License to Utilize Easement (\$4,500)

Estimated Fee: \$1500/parcel

- BFA to obtain letter report from the title company, this includes fees to purchase documents (not to exceed \$150/parcel)
- Prepare License to Utilize Easement Exhibit
- Coordinate with utility companies to obtain signatures

The City of Twin Oaks will be billed monthly on a time and materials basis. Reimbursable printing, mileage, permit fees, etc. will be billed at cost to BFA without any markup and are not included in our proposed Engineering and Surveying Fee proposal. BFA shall obtain written approval from the City before performing any work that is outside of the scope of the project.



Please provide formal authorization for us to begin work on this project by signing below and returning this document to us. BFA's proposal and fees for this project shall remain applicable for 60 days after execution by BFA below.

We are excited about the opportunity to work with the City on this project. Please feel free to contact us at any time should you have questions about our services and/or this proposal.

Best regards,	
Tiffaney Campbell	Date
Project Manager	
BFA, Inc. Direct: 636.231.4319	
tcampbell@bfaeng.com	
CLIENT ACCEPTAN	ICE OF PROPOSAL FOR PROFESSIONAL SERVICES
BFA Inc. Authorization:	Client Authorization:
Raymond H. Frankenberg II	Name: Russ Fortune
President	Title: Mayor
 Date	 Date



103 Elm Street Washington, MO 63090



August 12, 2021

City of Twin Oaks 1381 Big Bend Road Twin Oaks, MO 63021

Attn: Frank Johnson, City Clerk

RE: Proposal for Construction Observation Services - Stormwater and Sidewalk Improvement Project Crescent Ave (Golden Oak Ct to Crescent Rd)

BFA #3497-13A

Mr. Johnson,

BFA, Inc. (BFA) is submitting this proposal to provide Construction Observation Services for the above project. BFA's general scope of work is to provide construction observations and inspections. For this scope of work, **BFA's estimated fee is \$9,700**.

The section below provides a general listing of the anticipated services and deliverables to be provided by BFA. Client-desired items not listed below should be **clarified in writing**, to prevent conflicts of anticipated scope and fees during the project.

Project Construction Observation (\$9,700)

A BFA Field/Construction Technician will complete the following anticipated tasks:

- Attend Pre-Construction Meeting at the project site. Provide clarification and direction to construction questions the awarded contractor might have. (\$750)
- Respond to Client Project Manager and Contractor on construction and site questions that develop during construction. (\$1,000)
- Conduct periodic site visits to observe that constructed work conforms to the contract documents. Provide two site visits per week of approximately 2 hours on-site per visit. This scope assumes a Construction duration of 5 weeks, for a maximum of 10 site visits (\$4,000)
- Check shop drawings and review schedules submitted by the Contractor. (\$350)
- Review material certifications provided by the Contractor. (\$350)
- Maintain progress diary of work performed, document schedule, and schedule changes proposed/made by the Contractor. Provide a brief weekly summary for the City of Twin Oaks. (\$1,500)
- Participate in final inspection and prepare an as-built plan of the Crescent Ave Sidewalk Improvements. (\$1,750)
- This scope does not include testing services for the concrete

The City of Twin Oaks will be billed monthly on a time and materials basis. Reimbursable printing, mileage, permit fees, etc. will be billed at cost to BFA without any markup and are not included in our proposed Engineering and Surveying Fee proposal. BFA shall obtain written approval from the City before performing any work that is outside of the scope of the project.



Please provide formal authorization for us to begin work on this project by signing below and returning this document to us. BFA's proposal and fees for this project shall remain applicable for 60 days after execution by BFA below.

We are excited about the opportunity to work with the City on this project. Please feel free to contact us at any time should you have questions about our services and/or this proposal.

Best regards,	
Tiffaney Campbell	Date
Project Manager	
BFA, Inc.	
Direct: 636.231.4319	
tcampbell@bfaeng.com	
CLIENT ACCEPTAN	CE OF PROPOSAL FOR PROFESSIONAL SERVICES
BFA Inc. Authorization:	Client Authorization:
Raymond H. Frankenberg II	Name: Russ Fortune
President	Title: Mayor
 Date	Date



August 23, 2021

Frank Johnson
City Clerk/Administrator
City of Twin Oaks

RE:

Right of Way Acquisition Services

Crescent Avenue

Dear Mr. Johnson;

Thank you for contacting O. R. Colan Associates (ORC) about submitting a proposal to provide right of way acquisition services for three parcels specifically known as 98 Crescent Avenue, 90 Crescent Avenue, and 2 Golden Oak Court.

The following Scope of Work and Cost Proposal are based upon the information we have received on the project and our understanding of the project as of today. Included in our understanding is that there is a possibility of federal funds being used in some, or all, of the project. Based upon this possibility, ORC's proposal anticipates needing to follow the requirements of 49 CFR Part 24 Uniform Relocation Assistance and Real Property Acquisition for Federal and Federally Assisted Programs in addition to the laws and regulations of the State of Missouri.

Each section below indicates the cost proposal for that section with additional information attached.

Title Work

Since Permanent Easements are to be acquired from all three properties, we recommend obtaining title reports on each parcel. These title reports will provide information on ownership, liens and other information which may affect the negotiations or the property owner's ability to transfer the needed property rights.

Cost for Title Reports: 3 reports @ \$425 each = \$1275

This price proposal does not include copies of documents. If document copies are needed, they will be invoiced at cost.

Valuation Services

Based upon our review of the situation, it appears the valuation problem on two of the properties (90 Crescent Avenue & 2 Golden Oak Court) is uncomplicated and the anticipated value of the proposed acquisitions is estimated at less than \$10,000. Due to this situation, these two properties can be valued using the Waiver Valuation/Payment Estimate method.

The property located at 98 Crescent Avenue involves considerably more property and a number of trees, all of which adds to the complexity of the valuation problem. Due to this situation this parcel will be valued by an appraiser utilizing the Value Finding Appraisal Format and upon completion this report will be reviewed by a separate appraiser.

Cost for Valuations: 2 Payment Estimates @ \$400 each = \$800

1 Value Finding Report @1,800 = \$1,800 1 Value Finding Review @ \$900 = \$900

Negotiations

*ORC shall negotiate acquisitions in accordance with the MoDOT LPA Manual, the Uniform Act, and the laws of the State of Missouri. This may include but it not limited to the following: Describing the acquisition, referencing plats, and explaining construction, project schedule and other details. Clearly explain details related to the appraisal and how the offer was developed as well as answering valuation questions.

*ORC shall prepare all necessary documents for review and signature by the City of Twin Oaks (City). The only offer allowed is that approved by the City. ORC may not present any counteroffer or agree to any plan revisions without the expressed permission of the City. ORC shall relay all concerns, counter offers or issues to the City.

*When negotiations result in an agreement for approved fair market value or a City approved administrative settlement, ORC shall prepare the necessary documents and secure signatures from the owner or their representative.

*Upon reaching a settlement with the property owner, ORC will process for payment. On a case-by-case basis the City will need to provide direction as to whether the closing should take place at a title company with the title company obtaining deeds of release or if the City is comfortable with simply recording the deeds. If a property is closed at a title company, ORC will facilitate the closing with the title company. The title company costs will be a pass through and are not included in this proposal. If the decision is made to record the deeds, ORC will handle the recording. The Recording fees will be a pass-through cost and are not included in this proposal.

*Should negotiations not result in a settlement and there is a need for a condemnation action, ORC shall provide a copy of the parcel file to the City.

*At a minimum, ORC will take the following actions on each right of way parcel to be acquired for the project: Deliver acquisition brochure, plan pages, offer letters, and unsigned transfer documents. These will be delivered by either personal contact, certified mail or other method as approved by the City. ORC will maintain a negotiator's log of contacts with property owners which will indicate efforts to achieve amicable settlements, responsiveness to owner's counter proposals and suggestions for changes to the plans.

Cost for Negotiations: 3 parcels @\$2,000 per parcel = \$6,000

ORC will invoice \$1,000 for each parcel at the initiation of negotiations and will invoice for the balance on each parcel at the earliest of (1) the owners sign to sell, (2) the parcel is submitted for condemnation or (3) the parcel is removed from the project. ORC will not invoice more than once per month.

Project Management

Project Management involves oversight of the right of way acquisition process on the project including supervision of subcontractors and staff, quality control and providing regular written status reports on the project.

3 parcels @ \$300 each = \$900



ORC will invoice \$1500 for each parcel at the initiation of negotiations and will invoice for the balance on each parcel at the earliest of (1) the owners sign to sell, (2) the parcel is submitted for condemnation or (3) the parcel is removed from the project. ORC will not invoice more than once per month.

Cost Proposal Summary

Cost for Title Reports: 3 reports @ \$425 each = \$1275 Cost for Payment Estimates: 2 @ \$400 each = \$800 Cost for Value Finding Report: 1 @1,800 = \$1,800 Cost for Value Finding Report Review: 1 @ \$900 = \$900 Cost for Negotiations: 3 parcels @\$2,000 per parcel = \$6,000 Cost for Project Management: 3 parcels @ \$300 each = \$900

Total Cost Proposal: \$11,675

<u>Other</u>

The following items are not included in the above cost proposal and will be provided by others, in a timely manner, if required:

- *Plats & Legal Descriptions
- *Surveys
- *Property purchase payments and closing & related fees including recording fees, title insurance, closing services and partial deeds of release.
- *Property management & maintenance
- *Environmental services
- *Condemnation activities

Thank you for the opportunity to provide this proposal and please do not hesitate to contact me with any questions.

Sincerely,

Daryl Knobbe Vice-President



ROW Negotiation for the City of Twin Oaks

Daryl Knobbe <dknobbe@orcolan.com>
To: Frank Johnson <fjohnson@cityoftwinoaks.com>
Co: Randy Higginbotham <jhigginbotham@orcolan.com>

Tue, Aug 24, 2021 at 8:35 AM

Thanks Frank,

As to an estimated schedule, please see the following:

Day 1 - Notice to Proceed

Day 1 to Day 75 - Valuations and Review of Valuations

Day 60 to Day 90 - Extend offers to property owners

Day 60 to Day 150 - Negotiations complete or parcels submitted for condemnation

The two main items that I anticipate will affect this schedule are the workload of the appraisers at the time the work is assigned to them and how receptive the property owners are to the project, the affect on their property and the compensation offered to them. Appraisers have been extremely busy so they may not be able to start work on this project immediately after it is assigned.

This schedule also assumes we will be supplied with the title work, legal descriptions and plans at Notice to Proceed.

Let me know if you have any questions.

[Quoted text hidden]



Memo to: Board of Aldermen

From: Frank Johnson, City Clerk

Subject: Crescent Road Sidewalk Project

Date: August 12, 2021

Below is an updated schedule for the Crescent Road Sidewalk Project from BFA. This assumes that the board approves the preliminary plan with no additional revisions and sets a budget framework at the Sept. 1 Board meeting.

This is a conservative timeline. The project could possibly be finished sooner, with one of the biggest factors being how quickly the City is able to complete the right-of-way acquisition.

- BFA to gather field data and prepare a topographic survey of the project area.
 Grading plan, topographic survey, site plan and cost estimate delivered Jan. 8, 2021.
 - a. These plans were discussed at a Jan. 15 work session. BFA was directed to prepare revised plans.
- 2. BFA to prepare Concept Plan for City Approval. City to provide feedback and comments. **Concept Plan Approved on May 19, 2021.**
 - a. Three variations of the plan (concepts A, B and C) were delivered on Feb. 12 and discussed by the board at a Feb. 17 work session. The board directed BFA to prepare versions of Concept Plan A and Concept Plan C that could be presented to residents.
 - b. Versions of Concept Plan A and Concept Plan C without labels were delivered on Feb. 23.
 - c. Meetings held with homeowners on March 1 and March 2. The Board discussed the feedback from these meetings on March 3 and directed BFA to make several revisions to the concept plan.
 - d. Concept Plan D was delivered on April 2. The Board reviewed the plan during a work session on April 7.
 - e. Open House on the Concept Plan was held on April 19.
 - f. Concept Plan approved and design work authorized on May 19.
- 3. BFA to prepare Preliminary Design and Layout: Duration 6 to 12 weeks Currently at this Stage. Preliminary Design delivered Aug. 11, 2021.
 - a. BFA has started utility coordination and prepared Preliminary Design for City review and comment along with updated cost estimates.
 - b. City to approve preliminary plans and allocate funds for 2021 and 2022 budgets.



- 4. City Right-of-way Acquisition: Duration 16 to 20 weeks
 Estimated Delivery Date: Dec. 22, 2021 to Jan. 19, 2022
 - a. BFA to obtain plats and deeds and perform field work to locate property corners.
 (4 to 6 weeks)
 - b. BFA to prepare preliminary right-of-way exhibit. City to engage firm for negotiating with property owners (8 to 12 weeks).
 - c. BFA to stake out right-of-way lines. Negotiator to meet with property owners. City to come to agreement with property owners for right-of-way acquisition. City Attorney to draft agreement. (8 weeks)
 - d. BFA to obtain letter report from title company and work with City attorney on easement agreements with utilities, if needed.
- 6. BFA to prepare Final Design and Prepare Bid Documents: 6 to 8 weeks (was 4 to 6) Estimated Delivery Date: March 2 to March 16, 2022
- Bidding Period: Duration 4 to 6 weeks
 Estimated End of Bidding Period: April 13 to April 27, 2022
- Construction begins 2 to 4 weeks later
 Construction Start Date: May 11 to May 25, 2022
- 8. Construction: Duration 60 to 90 Days
 Construction End Date: July or August 2022