TWIN OAKS BOARD OF ALDERMEN
NOTICE OF WORK SESSION
TWIN OAKS CITY HALL
WEDNESDAY, FEBRUARY 17, 2021, 6:15 P.M.
TWIN OAKS, MO 63021

To balance both the need for continuity of government and protection of the health and safety of our residents, business persons and employees, this meeting of the Board of Aldermen will not be open to public attendance *in person* but shall be accessible by the public by telephone (audio only) or by using their tablet/laptop/pc (audio/video) at:

Telephone: (312) 626-6799
Computer: https://us02web.zoom.us/j/5197276201?pwd=SHZXODU1cGtKOWJNSTFUUFRSQnY5Zz09
Webinar ID: 519-727-6201
Passcode: 9YgwmB

The Board apologizes for any inconvenience these requirements may pose but it is extremely important all measures in compliance with the orders issued by public health authorities be taken to protect employees, residents, and elected officials during these extraordinary times.

TENTATIVE AGENDA

1. Crescent Road Sidewalk Project

2. Adjournment

Frank Johnson
City Clerk

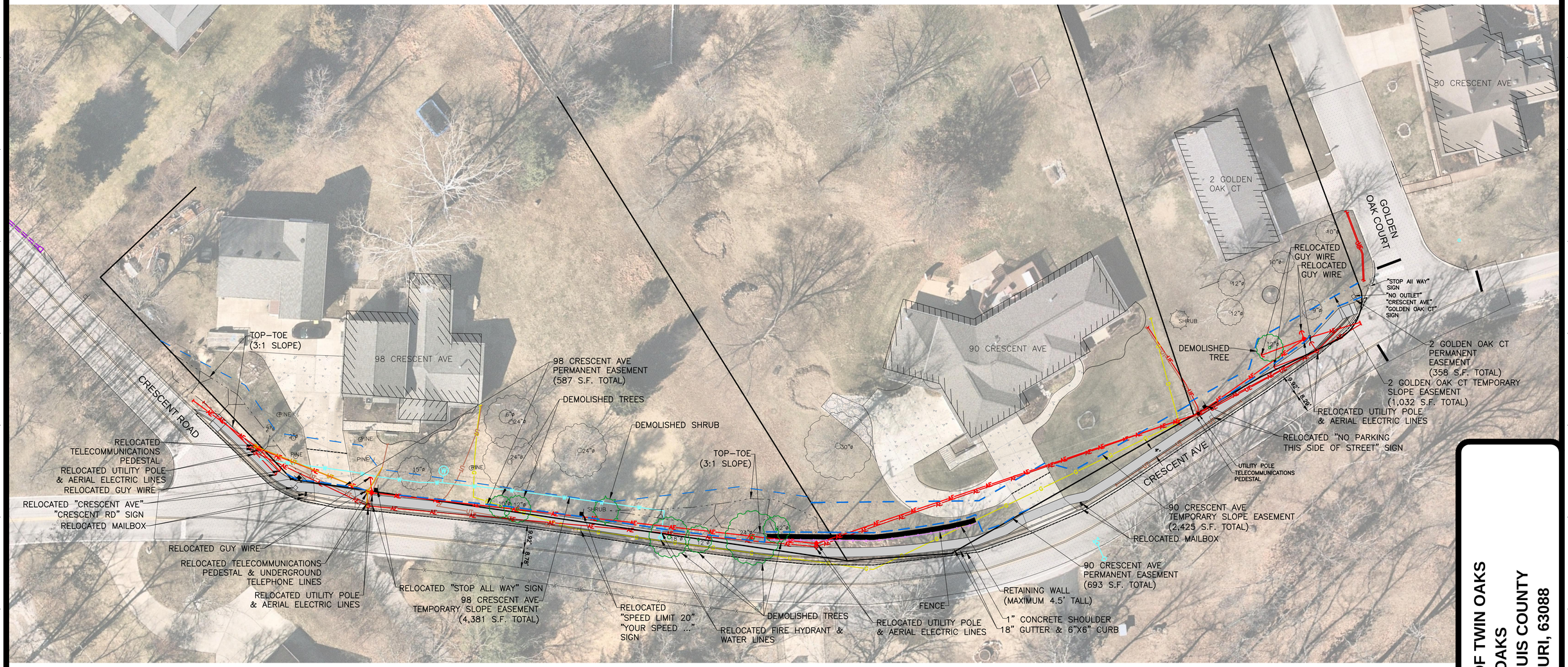
POSTED: February 15, 2021, 3 p.m.

Please note: Any person requiring physical or verbal accommodations should contact the city office 12 hours prior to meeting at 636-225-7873. Copies of public records for this agenda are available for public inspection before and at the time of the meeting.

CONCEPTUAL PLAN A

(THIS IS NOT A BOUNDARY SURVEY)

0 20' 40'
SCALE: 1" = 20'



NOTES:

- Deteriorated asphaltic roadway shoulder & curb removal
- New concrete roadway shoulder of approximately 1' (shoulder protects roadway from traffic damage)
- New 18" concrete gutter
- New 6" tall & 6" wide concrete curb
- Utilities interfering with sidewalk relocated
- 4' wide sidewalk
- 4.5' Retaining Wall in portions of 90 Crescent Ave & 98 Crescent Ave

CONCEPTUAL PLAN A LEGEND		
DESCRIPTION	PROPOSED	EXISTING
AERIAL ELECTRIC	AE	AE
UNDERGROUND ELECTRIC	UE	UE
UNDERGROUND TELEPHONE	UT	UT
GAS LINE	G	G
WATERLINE	W	W
FENCE	X X X	X X X
WATER VALVE		
FIRE HYDRANT		
CONCRETE JOINTS		
SIDEWALK		

UTILITY POLE LEGEND			
DESCRIPTION	PROPOSED	TO BE RELOCATED	TO REMAIN
UTILITY POLE			

Three working days prior to the start of any excavation on this site the Contractor shall contact 1–800–344–7483 for utility location information.

The contractor shall verify and implement all the required Federal Occupational Safety and Health Administration (OSHA) and/or OSHA approved state–plan regulations established for the type of construction required by these plans.

PRELIMINARY DRAWING

FOR REVIEW PURPOSES ONLY

NOT TO BE USED FOR CONSTRUCTION

bfaeng.com TELEPHONE: (636) 239–4751

BFA Engineering•Surveying

103 ELM STREET WASHINGTON, MISSOURI 63090

CITY OF TWIN OAKS
TWIN OAKS
ST. LOUIS COUNTY
MISSOURI, 63088

DRAWN	C.M.B.
CHECKED	T.S.C.
DATE	2/12/2021
SCALE	1"=20'
JOB No.	3497–13A
SHEET NAME	CONCEPTUAL PLAN A

CP–A

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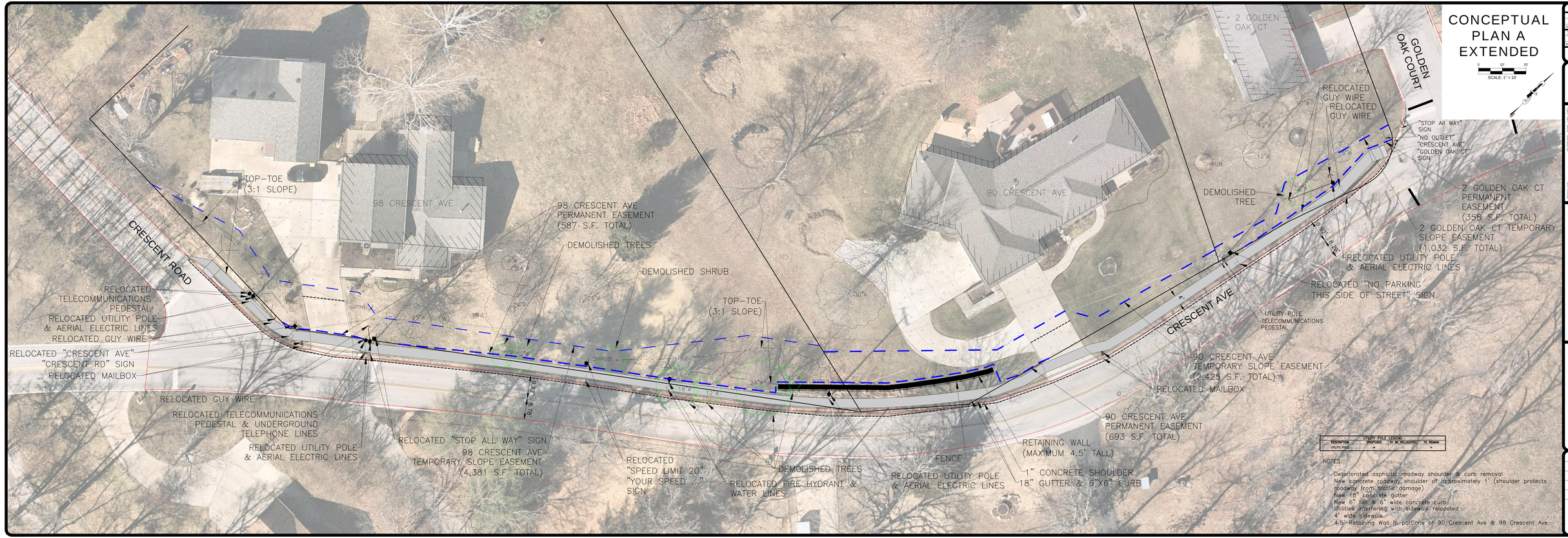
CONCEPTUAL PLAN A EXTENDED

SCALE: 1" = 10'



UTILITY POLE LEGEND			
DESCRIPTION	PROPOSED	TO BE RELOCATED	TO REMAIN
UTILITY POLE	●		●

NOTES:

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New 6" tall & 6" wide concrete curb
Utilities interfering with sidewalk relocated
4' wide sidewalk
4.5' Retaining Wall in portions of 90 Crescent Ave & 98 Crescent Ave

1		
By	Date	
2		
By	Date	

BFA Engineering/Surveying
ELLISVILLE, (636) 394-1415
WASHINGTON, MISSOURI 63090
103 ELM STREET

PRELIMINARY DRAWING

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CITY OF TWIN OAKS
TWIN OAKS
ST. LOUIS COUNTY
MISSOURI, 63088

DRAWN: C.M.B.
CHECKED: T.S.C.
DATE: 2/12/2021
SCALE: 1"=20'
JOB No.: 3497-13A
SHEET NAME: CONCEPTUAL PLAN A EXTENDED

CP-A

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103 Elm Street
Washington, MO 63090

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Crescent Ave Sidewalk - Phase I

Concept Plan A

BFA Project No. 3497-13A

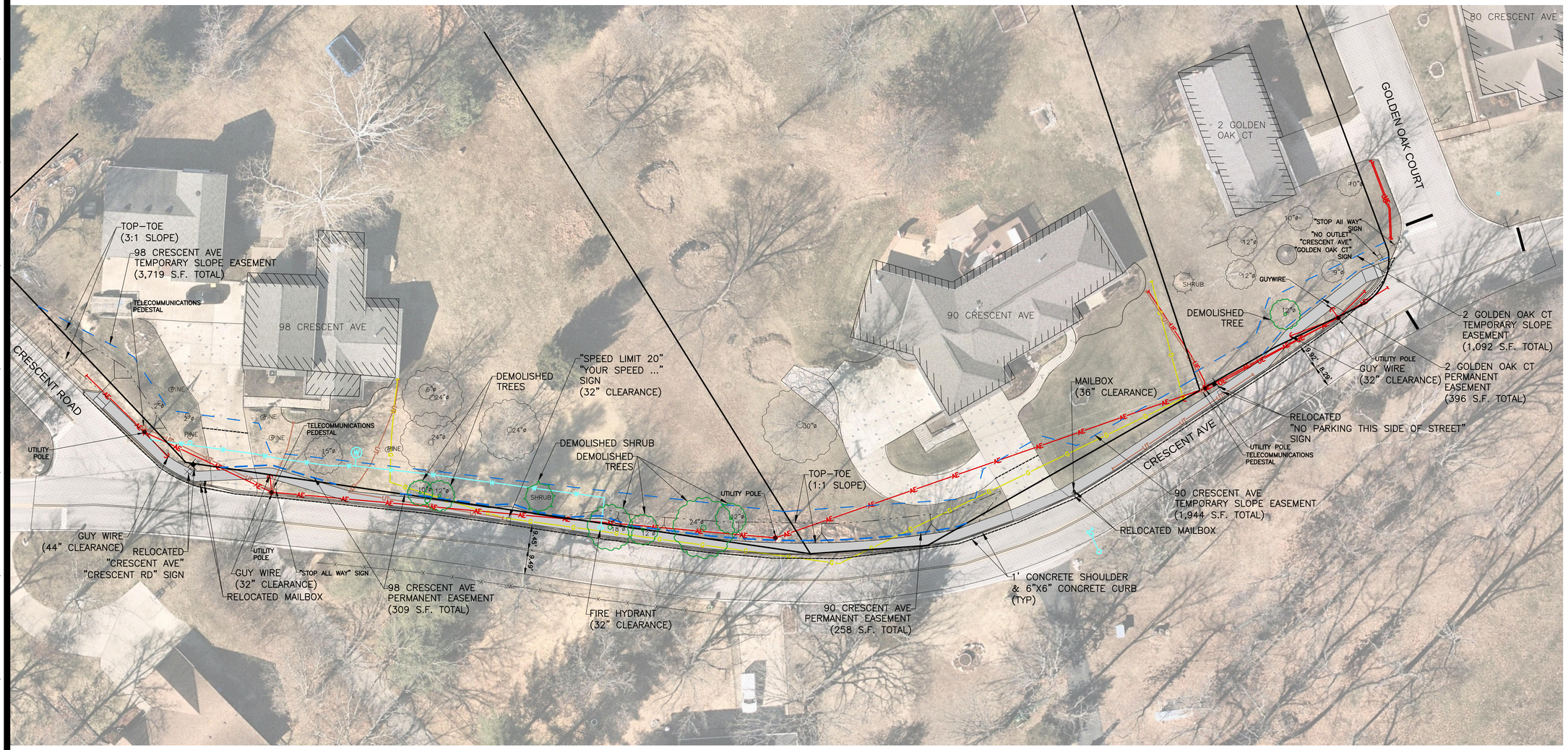
Updated 2/9/2021

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
Demolition				
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	51	SY	$ 15.00	$ 765.00
To Be Relocated				
Mailbox	2	EACH	$ 200.00	$ 400.00
Signs	3	EACH	$ 150.00	$ 450.00
Sign with Electric Adjusted Due to Grading	1	EACH	$ 300.00	$ 300.00
3 Phase Utility Pole and Guy Wire	4	EACH	$ 8,500.00	$ 34,000.00
Utility Pole to be Adjusted Due to Grading	1	EACH	$ 1,500.00	$ 1,500.00
Fire Hydrant	1	EACH	$ 3,000.00	$ 3,000.00
Telecommunications Pedestal	2	EACH	$ 2,175.00	$ 4,350.00
Telecommunications Pedestal Adjusted	1	EACH	$ 1,500.00	$ 1,500.00
Sitework				
4' Concrete Sidewalk	250	SY	$ 58.00	$ 14,500.00
Concrete Roadway, Concrete Curb & Gutter	560	LF	$ 32.00	$ 17,920.00
Seeding/Sodding	475	SY	$ 3.00	$ 1,425.00
Earthwork, Import Fill	14	CY	$ 15.00	$ 210.00
Earthwork, Cut & Fill Rotation	155	CY	$ 5.00	$ 775.00
4.5' Tall Retaining Wall	92	LF	$ 230.00	$ 21,160.00
Fence	92	LF	$ 70.00	$ 6,440.00
Truncated Dome	2	EACH	$ 200.00	$ 400.00
Driveway Sawcut	37	LF	$ 10.00	$ 370.00
Rebuild Concrete Driveway	62	SY	$ 43.00	$ 2,666.00
Roadway				
Striping	560	LF	$ 1.00	$ 560.00
Sawcut	560	LF	$ 10.00	$ 5,600.00
SUBTOTAL				$ 139,176.00
Contingency due to preliminary	10%			$ 13,917.60
CONSTRUCTION TOTAL				**$ 153,093.60**

CONCEPTUAL PLAN B

(THIS IS NOT A BOUNDARY SURVEY)

0 20' 40'
SCALE: 1" = 20'



NOTES:

- Deteriorated asphaltic roadway shoulder and curb removal
- New concrete roadway shoulder of approximately 1' (shoulder protects roadway from traffic damage)
- New 6" tall and 6" wide concrete curb
- Utility locations unaltered
- 4' wide sidewalk
- 1:1 slope in portions of 90 Crescent Ave & 98 Crescent Ave

CONCEPTUAL PLAN B LEGEND		
DESCRIPTION	PROPOSED	EXISTING
AERIAL ELECTRIC	AE	AE
UNDERGROUND ELECTRIC	UE	UE
UNDERGROUND TELEPHONE	UT	UT
GAS LINE	G	G
WATERLINE	W	W
FENCE	X X X	X X X
WATER VALVE		
FIRE HYDRANT		
CONCRETE JOINTS		
SIDEWALK		

UTILITY POLE LEGEND			
DESCRIPTION	PROPOSED	TO BE RELOCATED	TO REMAIN
UTILITY POLE			

Three working days prior to the start of any excavation on this site the Contractor shall contact 1-800-344-7483 for utility location information.

The contractor shall verify and implement all the required Federal Occupational Safety and Health Administration (OSHA) and/or OSHA approved state-plan regulations established for the type of construction required by these plans.

PRELIMINARY DRAWING

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103 ELM STREET WASHINGTON, MISSOURI 63090

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TWIN OAKS
ST. LOUIS COUNTY
MISSOURI, 63088

DRAWN	C.M.B.
CHECKED	T.S.C.
DATE	2/12/2021
SCALE	1"=20'
JOB No.	3497-13A
SHEET NAME	CONCEPTUAL PLAN B

CP-B

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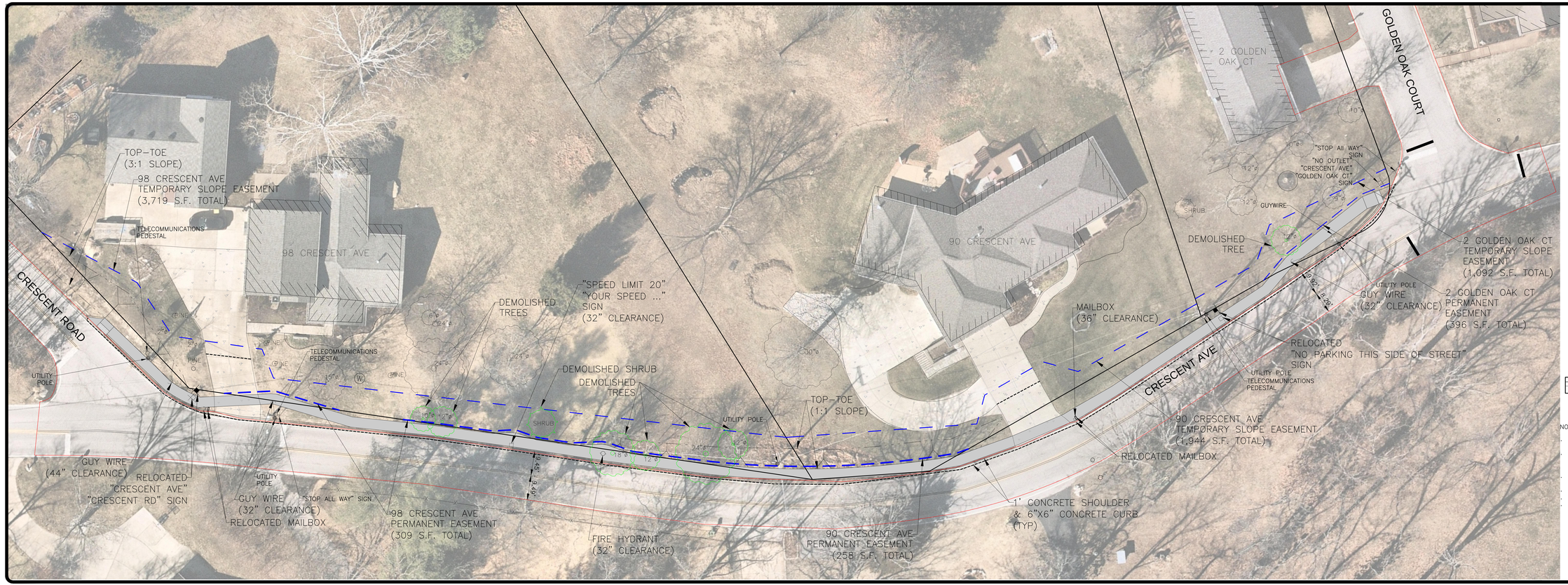

CONCEPTUAL PLAN B EXTENDED

0 10' 20'
SCALE: 1" = 10'

UTILITY POLE LEGEND			
DESCRIPTION	PROPOSED	TO BE RELOCATED	TO REMAIN
UTILITY POLE	•	-	•

NOTES:

- Deteriorated asphaltic roadway shoulder and curb removal
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- 1:1 slope in portions of 90 Crescent Ave & 98 Crescent Ave

No.	By	Date
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2		
	By	Date

BFA Engineering & Surveying
TELEPHONE: (636) 256-4111
WASHINGTON, MISSOURI 63090
103 ELM STREET
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PRELIMINARY DRAWING

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CONCEPTUAL PLAN B EXTENDED

CP-B

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103 Elm Street
Washington, MO 63090

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Crescent Ave Sidewalk - Phase I

Concept Plan B

BFA Project No. 3497-13A

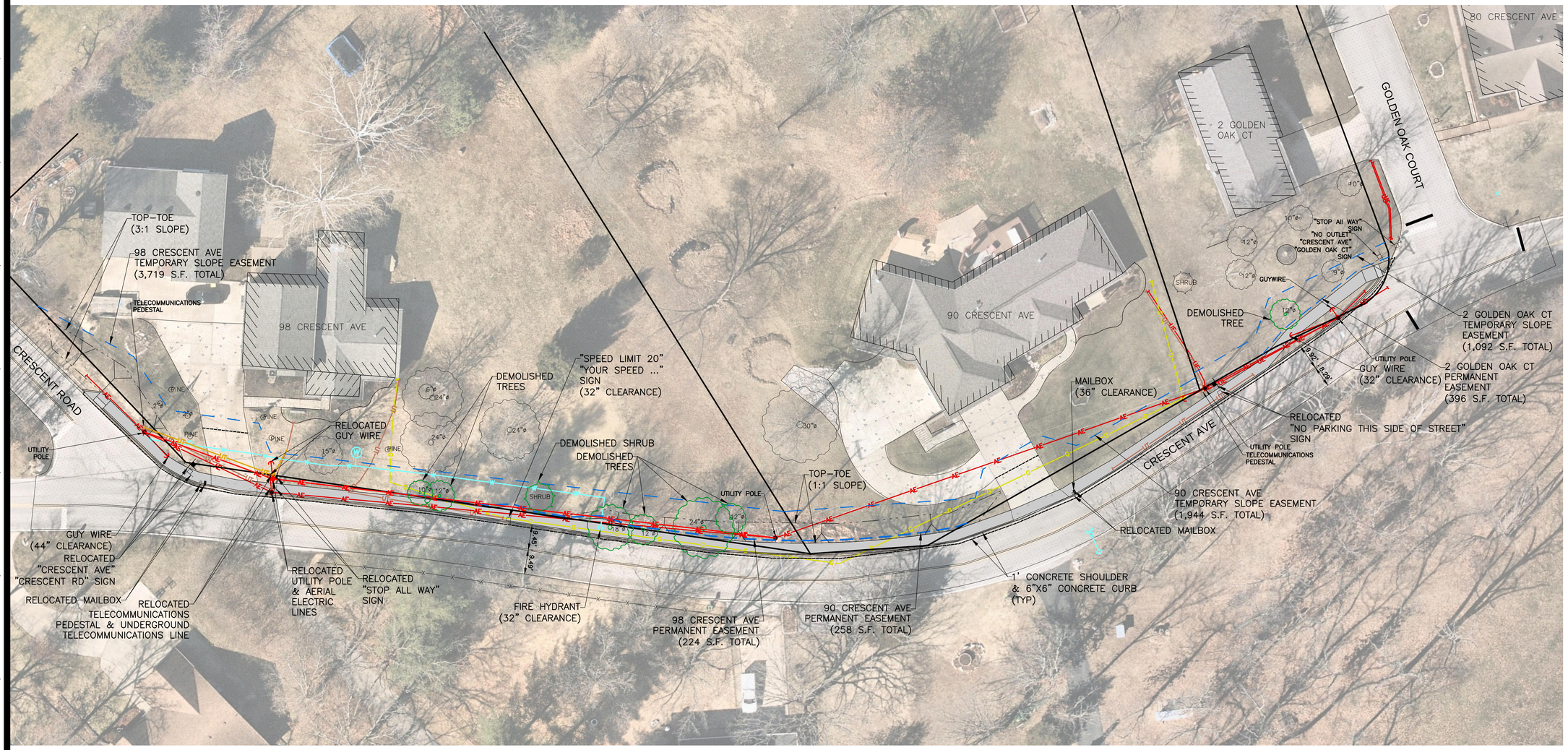
Updated 2/9/2021

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
Demolition				
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	51	SY	$ 15.00	$ 765.00
To Be Relocated				
Mailbox	2	EACH	$ 200.00	$ 400.00
Signs	3	EACH	$ 150.00	$ 450.00
Sign with Electric Adjusted Due to Grading	1	EACH	$ 300.00	$ 300.00
Guy Wire Ajusted Due to Grading	4	EACH	$ 1,500.00	$ 6,000.00
Utility Pole to be Adjusted Due to Grading	4	EACH	$ 1,500.00	$ 6,000.00
Fire Hydrant Adjusted Due to Grading	1	EACH	$ 1,500.00	$ 1,500.00
Telecommunications Pedestal Adjusted	2	EACH	$ 1,500.00	$ 3,000.00
Sitework				
4' Concrete Sidewalk (4" think)	275	SY	$ 58.00	$ 15,950.00
Concrete Curb	560	LF	$ 23.00	$ 12,880.00
Seeding/Sodding	475	SY	$ 3.00	$ 1,425.00
Earthwork, Import Fill	113	CY	$ 15.00	$ 1,695.00
Earthwork, Cut & Fill Rotation	40	CY	$ 5.00	$ 200.00
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
Reinforced Grid for 1:1 Slopes	150	SY	$ 3.00	$ 450.00
Rock Stabilization for 1:1 Slopes	75	SY	$ 34.00	$ 2,550.00
Roadway				
Striping	560	LF	$ 1.00	$ 560.00
Sawcut	560	LF	$ 10.00	$ 5,600.00
Concrete Roadway	560	LF	$ 5.00	$ 2,800.00
SUBTOTAL				$ 86,760.00
Contingency due to preliminary	10%			$ 8,676.00
CONSTRUCTION TOTAL				**$ 95,436.00**

CONCEPTUAL PLAN C

(THIS IS NOT A BOUNDARY SURVEY)

0 20' 40'
SCALE: 1" = 20'



NOTES:

- Deteriorated asphaltic roadway shoulder and curb removal
- New concrete roadway shoulder of approximately 1' (shoulder protects roadway from traffic damage)
- New 6" tall and 6" wide concrete curb
- Relocated Utility Pole, Guy Wire, and Telecommunications Pedestal at 98 Crescent Ave
- 4' wide sidewalk
- 1:1 slope in portions of 90 Crescent Ave & 98 Crescent Ave

CONCEPTUAL PLAN B LEGEND

DESCRIPTION	PROPOSED	EXISTING
AERIAL ELECTRIC	AE	AE
UNDERGROUND ELECTRIC	UE	UE
UNDERGROUND TELEPHONE	UT	UT
GAS LINE	G	G
WATERLINE	W	W
FENCE	X X X	X X X
WATER VALVE		
FIRE HYDRANT		
CONCRETE JOINTS		
SIDEWALK		

UTILITY POLE LEGEND

DESCRIPTION	PROPOSED	TO BE RELOCATED	TO REMAIN
UTILITY POLE			

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CITY OF TWIN OAKS
TWIN OAKS
ST. LOUIS COUNTY
MISSOURI, 63088

DRAWN	C.M.B.
CHECKED	T.S.C.
DATE	2/12/2021
SCALE	1"=20'
JOB No.	3497-13A
SHEET NAME	CONCEPTUAL PLAN C

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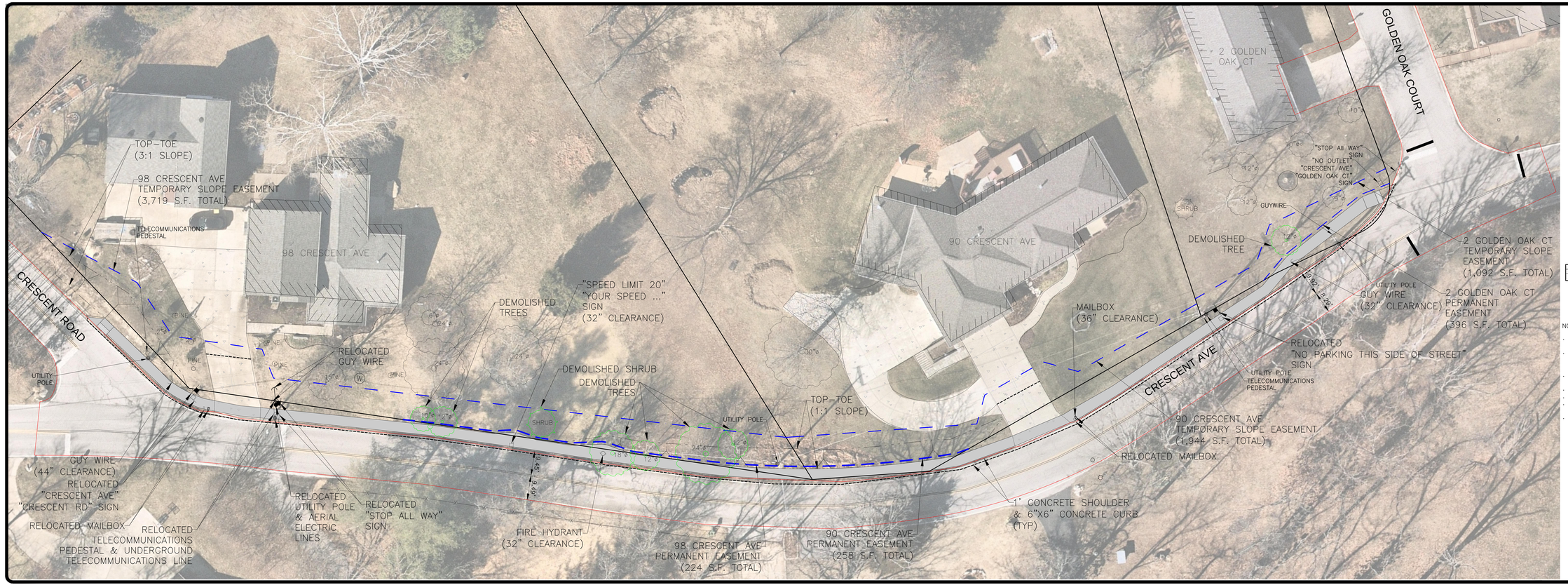

CONCEPTUAL PLAN C EXTENDED

0 10' 20'
SCALE: 1" = 10'

UTILITY POLE LEGEND			
DESCRIPTION	PROPOSED	TO BE RELOCATED	TO REMAIN
UTILITY POLE	•	○	•

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- Relocated Utility Pole, Guy Wire, and Telecommunications Pedestal at 98 Crescent Ave

1		
2		
By		Rev

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WASHINGTON, MISSOURI 63090
103 ELM STREET
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103 Elm Street
Washington, MO 63090

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Crescent Ave Sidewalk - Phase I

Concept Plan C

BFA Project No. 3497-13A

Updated 2/9/2021

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Utility Pole to be Adjusted Due to Grading	3	EACH	$ 1,500.00	$ 4,500.00
Utility Pole & Guy Wire	1	EACH	$ 8,500.00	$ 8,500.00
Fire Hydrant Adjusted Due to Grading	1	EACH	$ 1,500.00	$ 1,500.00
Telecommunications Pedestal Adjusted	1	EACH	$ 1,500.00	$ 1,500.00
Telecommunications Pedestal	1	EACH	$ 2,175.00	$ 2,175.00
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Sawcut	560	LF	$ 10.00	$ 5,600.00
Concrete Roadway	560	LF	$ 5.00	$ 2,800.00
SUBTOTAL				$ 92,935.00
Contingency due to preliminary	10%			$ 9,293.50
CONSTRUCTION TOTAL				**$ 102,228.50**