

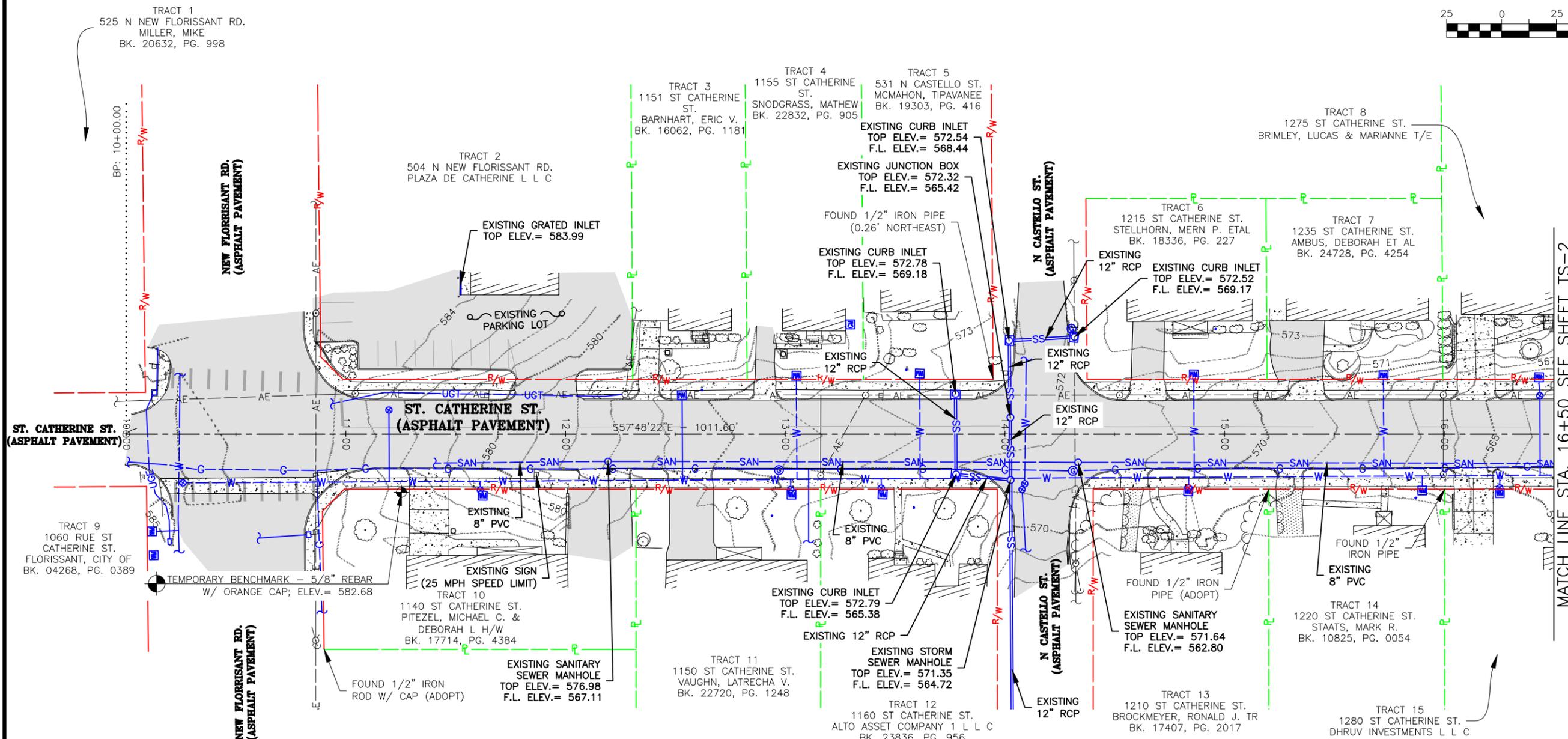
THIS PROJECT LIES WITHIN U.S. SURVEY 1202, TOWNSHIP 47 NORTH, RANGE 6 EAST OF THE 5TH P.M.

LAND TIE (#14431): FOUND 1/2" IRON ROD W/CAP AT THE SOUTHEAST CORNER OF WATERFORD SQUARE CONDOMINIUM, P.B. 309, PG. 52 (S84°40'04"E - 6,650.72' FROM CENTERLINE OF ROAD AT STA. 10+00.00)

THIS PROJECT IS ORIENTED TO GRID NORTH PER GPS OBSERVATIONS USING MODOT'S VRS RTK GPS NETWORK

TOPOGRAPHIC SURVEY

(THIS DOES NOT CONSTITUTE A PROPERTY BOUNDARY SURVEY)



- NOTES:
- UNDERGROUND STRUCTURES, FACILITIES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.
 - TEMPORARY BENCHMARK IS A SET 5/8" REBAR W/ ORANGE "CONTROL POINT CAP" ON THE SOUTH SIDE OF ST. CATHERINE ST. AT APPROXIMATELY STA. 11+25 AS SHOWN ABOVE, ELEV.= 582.68.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF ALL POTENTIAL UTILITY CONFLICTS PRIOR TO ORDERING MATERIALS FOR CONSTRUCTION. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. LOCATION, RELOCATION AND CONNECTION OF THE UTILITIES SHALL BE COORDINATED WITH THE UTILITY COMPANIES.
 - TOPOGRAPHIC INFORMATION AS SHOWN HEREON PER FIELD WORK PERFORMED BY N.A.T.B. AND M.J.C. OF COCHRAN, DATED APRIL 2025.
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LEGEND

PROPERTY LINE	— P —	EXISTING UTILITY POLE	— O —	EXISTING GAS VALVE	⊙
RIGHT-OF-WAY	— R/W —	EXISTING SANITARY SEWER	— SAN —	EXISTING FIRE HYDRANT	⊕
CENTERLINE OF ROAD	— — —	EXISTING WATER MAIN	— W —	EXISTING MAILBOX	□
EXISTING STRIPING	— — —	EXISTING GAS MAIN	— G —	EXISTING SIGN	⊠
EXISTING MAJOR CONTOUR	- -970- -	EXISTING STORM SEWER	— SS —	EXISTING FENCE	— X —
EXISTING MINOR CONTOUR	- - -	EXISTING UNDERGROUND ELECTRIC	— UGE —	EXISTING LIGHT	□
EXISTING BUILDING	▒	EXISTING TELEPHONE PEDESTAL	□	EXISTING BUSH	⊙
EXISTING CONCRETE PAVEMENT	▒	EXISTING WATER VALVE	⊕	EXISTING TREE	⊙
EXISTING GRAVEL	▒	EXISTING WATER METER	⊕	EXISTING UTILITY (TERMINUS UNKNOWN)	— — —
EXISTING ASPHALT PAVEMENT	▒	EXISTING FIBER OPTIC	— FO —	EXISTING GUY WIRE	— — —
EXISTING CONCRETE BRICK PAVEMENT	▒	EXISTING AERIAL ELECTRIC	— AE —		

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ENGINEERING CERTIFICATE OF AUTHORITY NUMBER - 2007006937
LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529

STATE OF MISSOURI
TIMOTHY J. VAN LEER
NUMBER PLS-2007000007
5/5/25
TIMOTHY J. VAN LEER
NO. PLS-2007000007
STATE OF MISSOURI
PROFESSIONAL LAND SURVEYOR
FOR SC ENGINEERING LLC, DBA COCHRAN

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

THE PROFESSIONAL'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO ITEMS ON THIS SHEET. ALL DRAWINGS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS PROFESSIONAL.

ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

TOPOGRAPHIC SURVEY

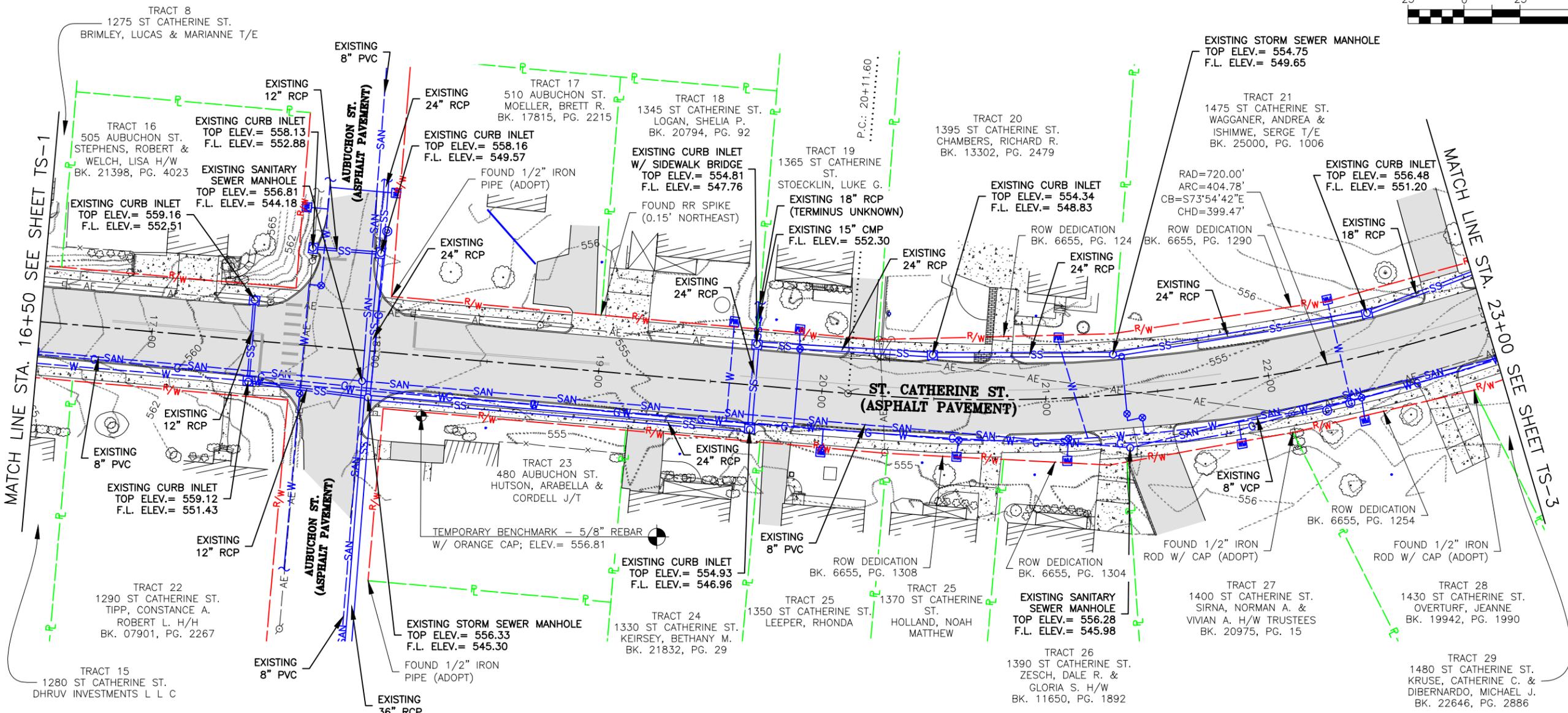
DATE: 5/5/25
SCALE: 1" = 50'
PROJ. NO.: SC24-1648
DWG. NO.: TS-1

DWN. BY: N.A.T.B.
APPD. BY: T.J.V.

Drawing name: U:\SC24-1648 St. Catherine St. STBG-5595(619). Florissant, MO\AUTOCAD DRAWINGS\TOPOGRAPHIC SURVEY.dwg Tab: TS-1 Plotted on: Jun 10, 2025 - 4:05pm Plotted by: sbrooks

TOPOGRAPHIC SURVEY

(THIS DOES NOT CONSTITUTE A PROPERTY BOUNDARY SURVEY)



NOTES:

- UNDERGROUND STRUCTURES, FACILITIES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.
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LEGEND

PROPERTY LINE		EXISTING UTILITY POLE		EXISTING GAS VALVE	
RIGHT-OF-WAY		EXISTING SANITARY SEWER		EXISTING FIRE HYDRANT	
CENTERLINE OF ROAD		EXISTING WATER MAIN		EXISTING MAILBOX	
EXISTING STRIPING		EXISTING GAS MAIN		EXISTING SIGN	
EXISTING MAJOR CONTOUR		EXISTING STORM SEWER		EXISTING FENCE	
EXISTING MINOR CONTOUR		EXISTING UNDERGROUND ELECTRIC		EXISTING LIGHT	
EXISTING BUILDING		EXISTING TELEPHONE PEDESTAL		EXISTING BUSH	
EXISTING CONCRETE PAVEMENT		EXISTING WATER VALVE		EXISTING TREE	
EXISTING GRAVEL		EXISTING WATER METER		EXISTING UTILITY (TERMINUS UNKNOWN)	
EXISTING ASPHALT PAVEMENT		EXISTING FIBER OPTIC		EXISTING GUY WIRE	
EXISTING CONCRETE BRICK PAVEMENT		EXISTING AERIAL ELECTRIC			

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STATE OF MISSOURI

TIMOTHY J. VAN LEER

NUMBER PLS-2007000007

5/5/25

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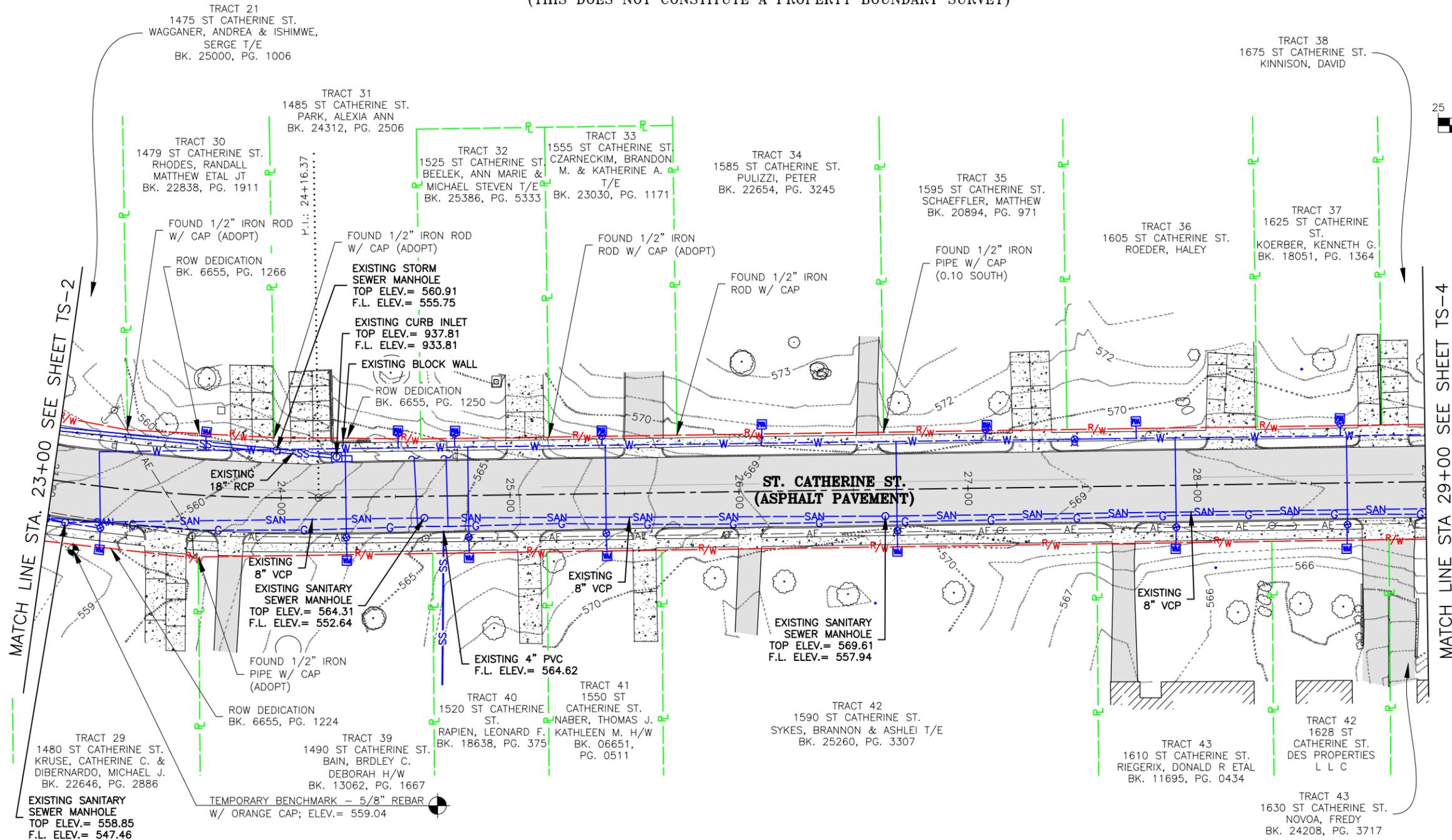
ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

TOPOGRAPHIC SURVEY

DATE:	5/5/25
SCALE:	1" = 50'
PROJ. NO.:	SC24-1648
DWG. NO.:	TS-2

TOPOGRAPHIC SURVEY

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FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

TOPOGRAPHIC SURVEY

DATE:	REVISION:
DWN. BY:	APPD. BY:
N.A.T.B.	T.J.V.
DATE:	
5/5/25	
SCALE:	
1" = 50'	
PROJ. NO.:	
SC24-1648	
DWG. NO.:	
TS-3	

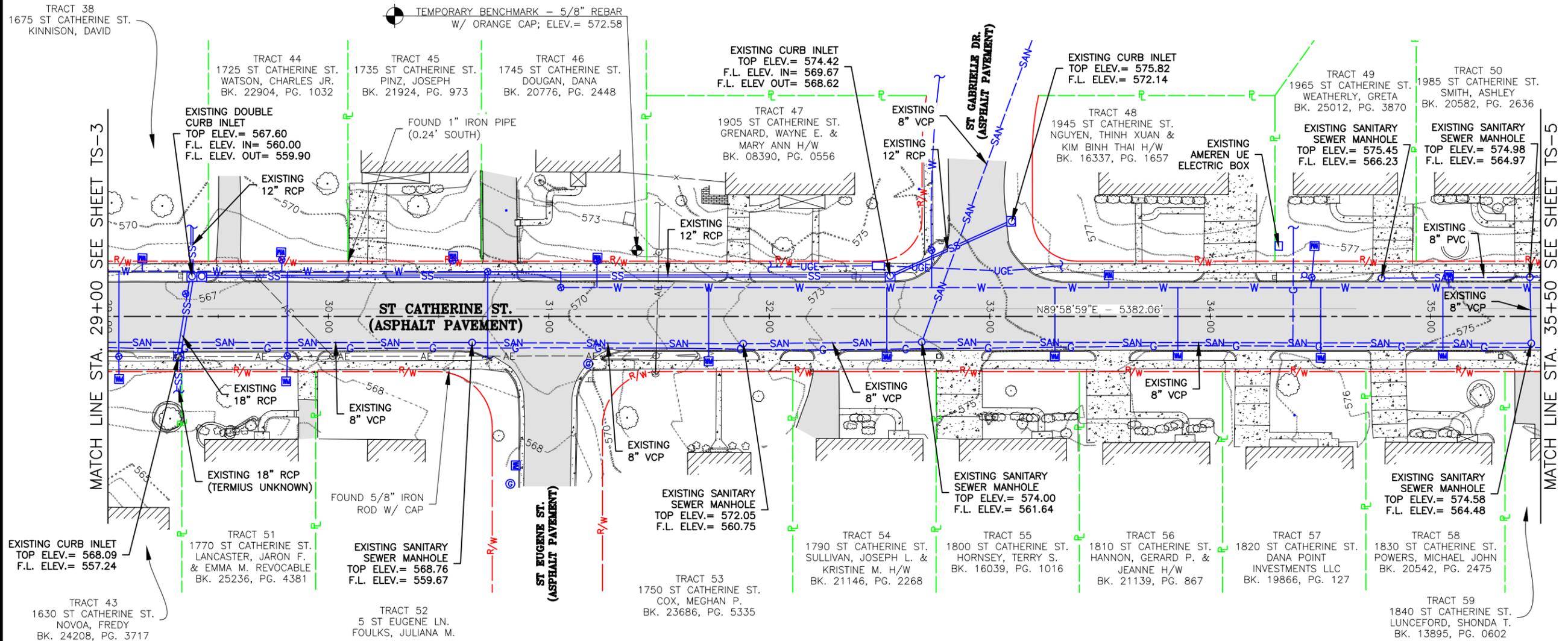
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LEGEND

PROPERTY LINE		EXISTING UTILITY POLE		EXISTING GAS VALVE	
RIGHT-OF-WAY		EXISTING SANITARY SEWER		EXISTING FIRE HYDRANT	
CENTERLINE OF ROAD		EXISTING WATER MAIN		EXISTING MAILBOX	
EXISTING STRIPING		EXISTING GAS MAIN		EXISTING SIGN	
EXISTING MAJOR CONTOUR		EXISTING STORM SEWER		EXISTING FENCE	
EXISTING MINOR CONTOUR		EXISTING UNDERGROUND ELECTRIC		EXISTING LIGHT	
EXISTING BUILDING		EXISTING TELEPHONE PEDESTAL		EXISTING BUSH	
EXISTING CONCRETE PAVEMENT		EXISTING WATER VALVE		EXISTING TREE	
EXISTING GRAVEL		EXISTING WATER METER		EXISTING UTILITY (TERMINUS UNKNOWN)	
EXISTING ASPHALT PAVEMENT		EXISTING FIBER OPTIC		EXISTING GUY WIRE	
EXISTING CONCRETE BRICK PAVEMENT		EXISTING AERIAL ELECTRIC			

TOPOGRAPHIC SURVEY

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ENGINEERING CERTIFICATE OF AUTHORITY NUMBER - 200706937
LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007064529

STATE OF MISSOURI
TIMOTHY J. VAN LEER
NO. PLS-200700087
NUMBER PLS-200700087
PROFESSIONAL LAND SURVEYOR
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DBA COCHRAN

5/5/25
TIMOTHY J. VAN LEER
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ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI

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LEGEND			
PROPERTY LINE		EXISTING UTILITY POLE	
RIGHT-OF-WAY		EXISTING SANITARY SEWER	
CENTERLINE OF ROAD		EXISTING WATER MAIN	
EXISTING STRIPING		EXISTING GAS MAIN	
EXISTING MAJOR CONTOUR		EXISTING STORM SEWER	
EXISTING MINOR CONTOUR		EXISTING UNDERGROUND ELECTRIC	
EXISTING BUILDING		EXISTING TELEPHONE PEDESTAL	
EXISTING CONCRETE PAVEMENT		EXISTING WATER VALVE	
EXISTING GRAVEL		EXISTING WATER METER	
EXISTING ASPHALT PAVEMENT		EXISTING FIBER OPTIC	
EXISTING CONCRETE BRICK PAVEMENT		EXISTING AERIAL ELECTRIC	
		EXISTING GAS VALVE	
		EXISTING FIRE HYDRANT	
		EXISTING MAILBOX	
		EXISTING SIGN	
		EXISTING FENCE	
		EXISTING LIGHT	
		EXISTING BUSH	
		EXISTING TREE	
		EXISTING UTILITY (TERMINUS UNKNOWN)	
		EXISTING GUY WIRE	

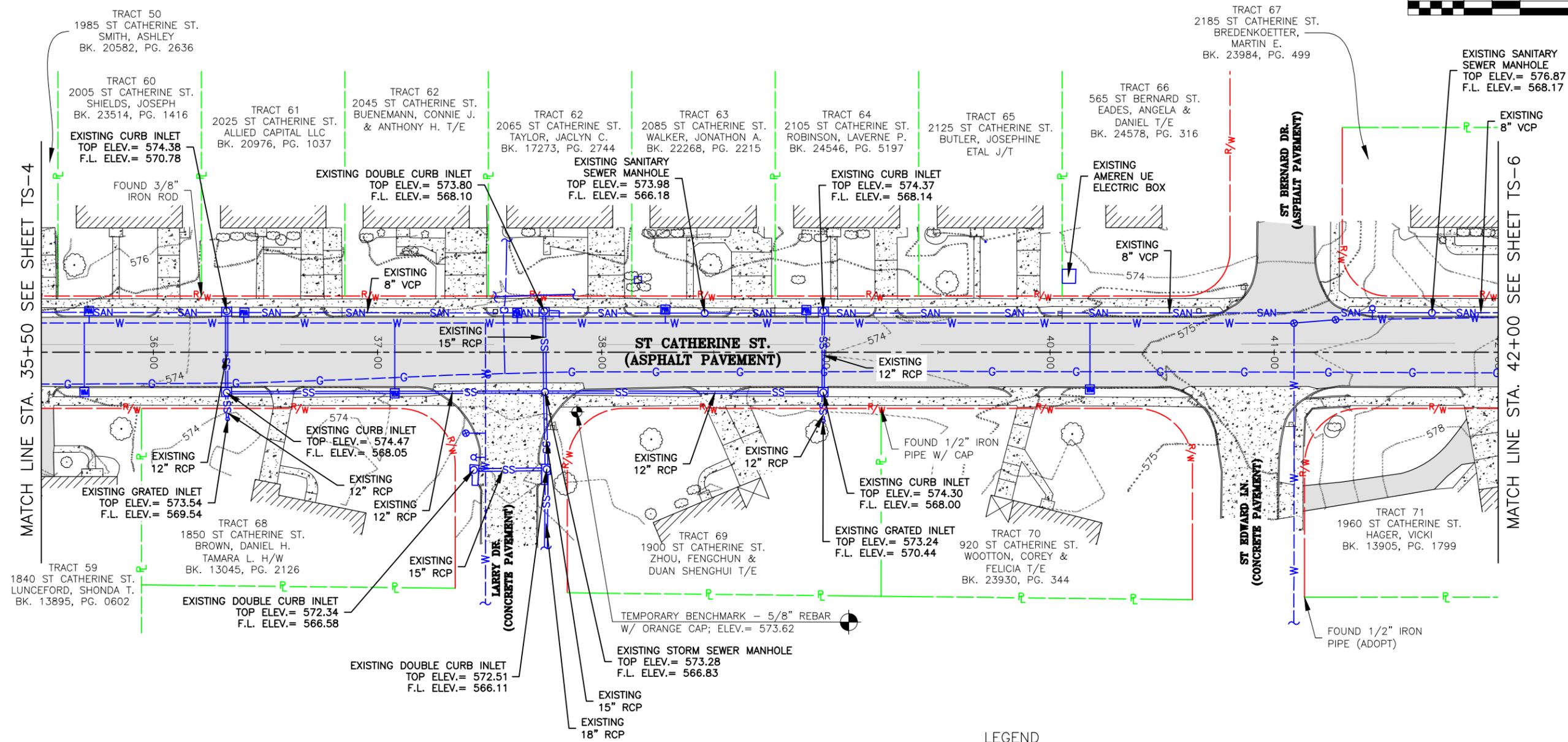
Drawing name: J:\SC24-1648 St. Catherine St. STBG-5595(619). Florissant, MO\AUTOCAD DRAWINGS\TOPOGRAPHIC SURVEY.dwg Tab: TS-4 Plotted on: Jun 10, 2025 - 4:05pm Plotted by: sbrooks

TOPOGRAPHIC SURVEY

DATE:	REVISION:
DWN. BY:	APPD. BY:
N.A.T.B.	T.J.V.
DATE:	
5/5/25	
SCALE:	
1" = 50'	
PROJ. NO.:	
SC24-1648	
DWG. NO.:	
TS-4	

TOPOGRAPHIC SURVEY

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CENTERLINE OF ROAD	— — —	EXISTING WATER MAIN	— W —	EXISTING MAILBOX	□
EXISTING STRIPING	— — —	EXISTING GAS MAIN	— G —	EXISTING SIGN	⊠
EXISTING MAJOR CONTOUR	- -970- -	EXISTING STORM SEWER	— SS —	EXISTING FENCE	— X —
EXISTING MINOR CONTOUR	- - -	EXISTING UNDERGROUND ELECTRIC	— UGE —	EXISTING LIGHT	□
EXISTING BUILDING	▒	EXISTING TELEPHONE PEDESTAL	□	EXISTING BUSH	⊙
EXISTING CONCRETE PAVEMENT	▒	EXISTING WATER VALVE	⊗	EXISTING TREE	⊙
EXISTING GRAVEL	▒	EXISTING WATER METER	⊕	EXISTING UTILITY (TERMINUS UNKNOWN)	— — —
EXISTING ASPHALT PAVEMENT	▒	EXISTING FIBER OPTIC	— FO —	EXISTING GUY WIRE	— — —
EXISTING CONCRETE BRICK PAVEMENT	▒	EXISTING AERIAL ELECTRIC	— AE —		

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NUMBER PLS-2007000087

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TOPOGRAPHIC SURVEY

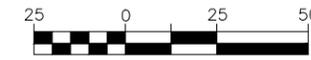
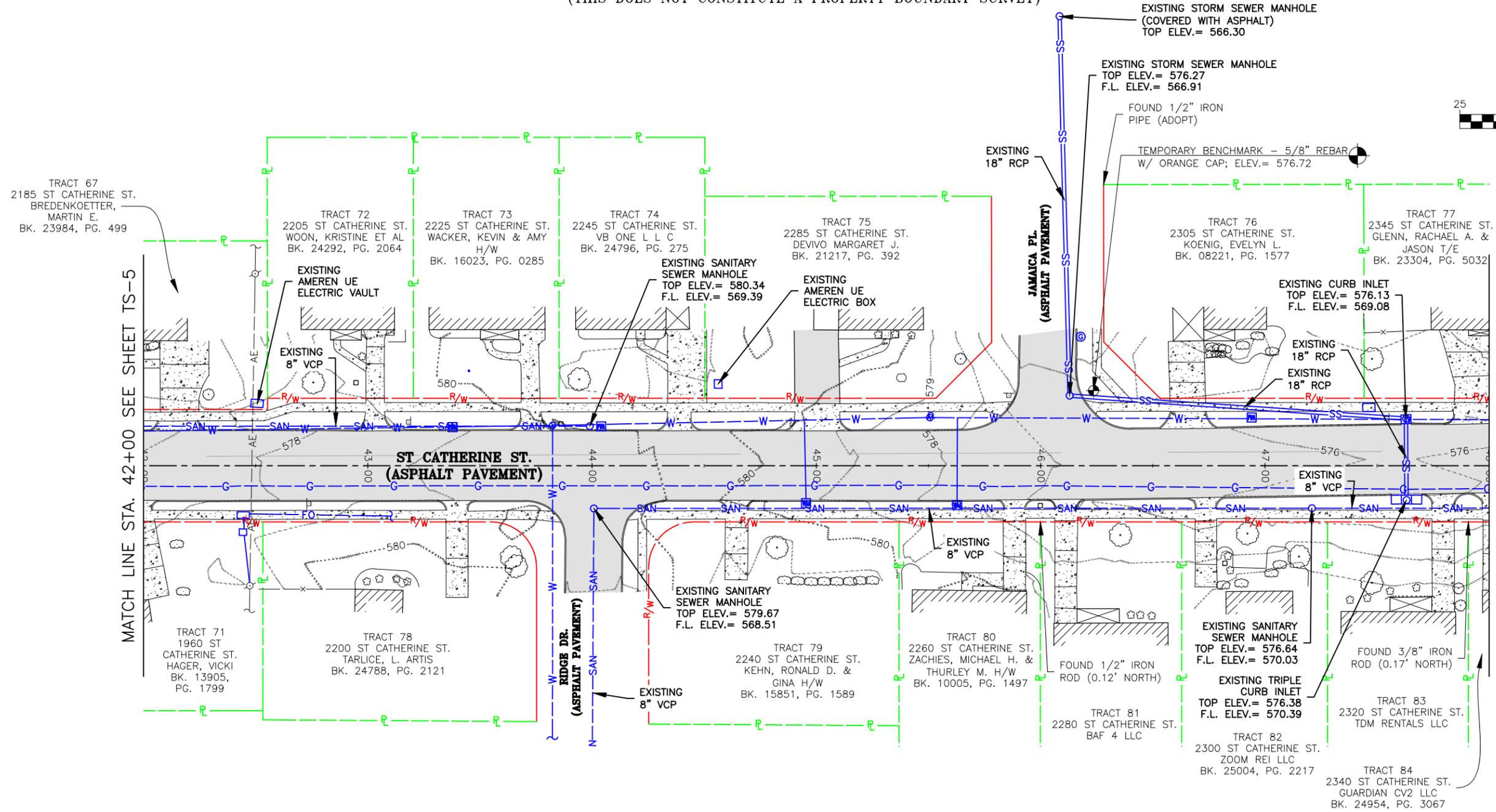
DATE:	5/5/25
SCALE:	1" = 50'
PROJ. NO.:	SC24-1648
DWG. NO.:	TS-5

DWN. BY: N.A.T.B. APPD. BY: T.J.V.
DATE: 5/5/25

Drawing name: U:\SC24-1648 St. Catherine St. STBG-5595(619), Florissant, MO\AUTOCAD DRAWINGS\TOPOGRAPHIC SURVEY.dwg Tab: TS-5 Plotted on: Jun 10, 2025 - 4:05pm Plotted by: sbrooks

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T.J.V.		T.J.V.
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PROJ. NO.:	SC24-1648	
DWG. NO.:	TS-6	

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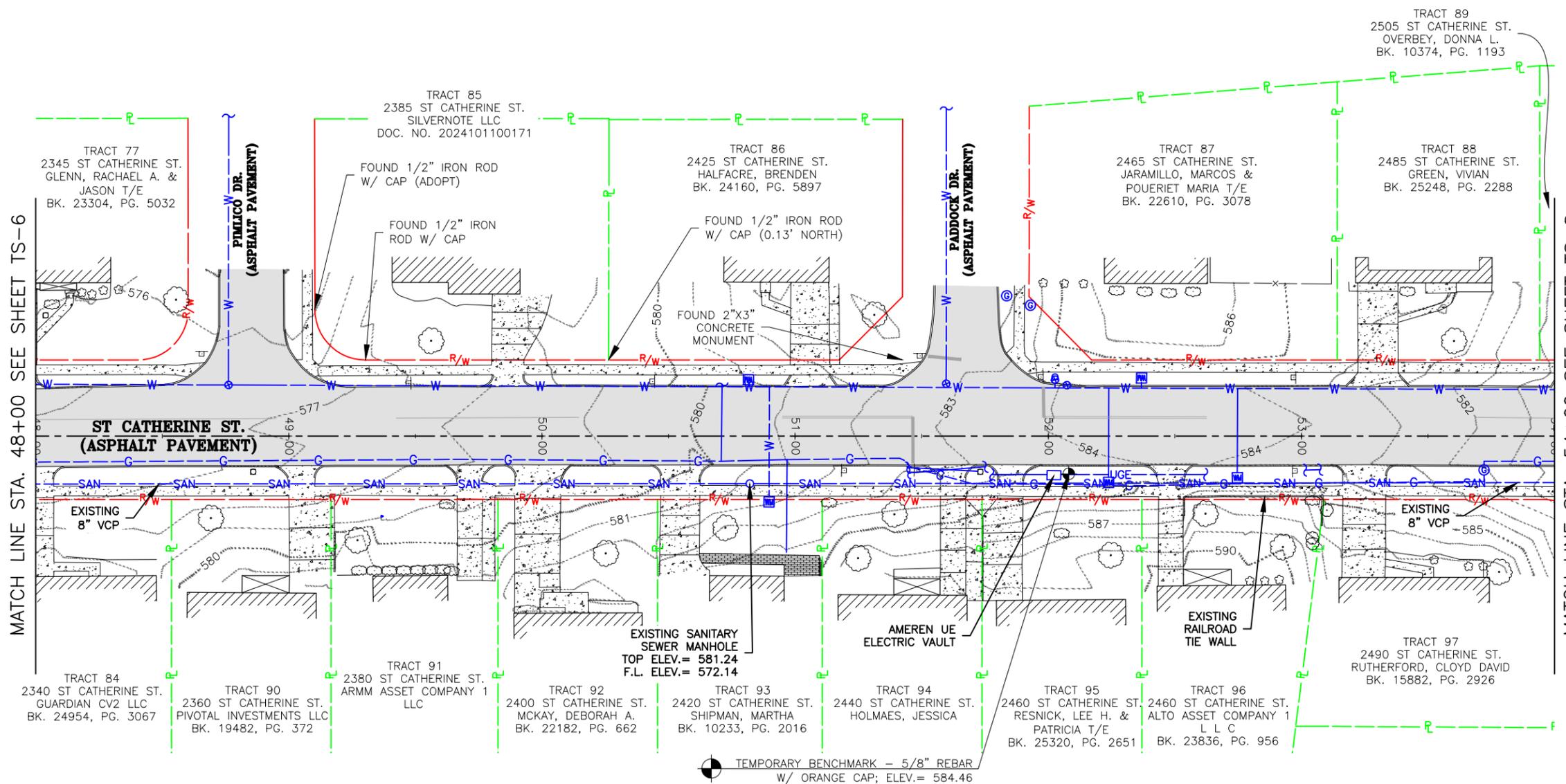
LEGEND

PROPERTY LINE	— P —	EXISTING UTILITY POLE	— O —	EXISTING GAS VALVE	⊙
RIGHT-OF-WAY	— R/W —	EXISTING SANITARY SEWER	— SAN —	EXISTING FIRE HYDRANT	⊕
CENTERLINE OF ROAD	— — —	EXISTING WATER MAIN	— W —	EXISTING MAILBOX	□
EXISTING STRIPING	— — —	EXISTING GAS MAIN	— G —	EXISTING SIGN	⊠
EXISTING MAJOR CONTOUR	- -970- -	EXISTING STORM SEWER	— SS —	EXISTING FENCE	— X —
EXISTING MINOR CONTOUR	- - -	EXISTING UNDERGROUND ELECTRIC	— UGE —	EXISTING LIGHT	□
EXISTING BUILDING	▒	EXISTING TELEPHONE PEDESTAL	□	EXISTING BUSH	⊙
EXISTING CONCRETE PAVEMENT	▒	EXISTING WATER VALVE	⊕	EXISTING TREE	⊙
EXISTING GRAVEL	▒	EXISTING WATER METER	⊕	EXISTING UTILITY (TERMINUS UNKNOWN)	— — —
EXISTING ASPHALT PAVEMENT	▒	EXISTING FIBER OPTIC	— FO —	EXISTING GUY WIRE	— — —
EXISTING CONCRETE BRICK PAVEMENT	▒	EXISTING AERIAL ELECTRIC	— AE —		

Drawing name: U:\SC24-1648 St. Catherine St. STBG-5595(619). Florissant, MO\AUTOCAD DRAWINGS\TOPOGRAPHIC SURVEY.dwg Tab: TS-6 Plotted on: Jun 10, 2025 4:05pm Plotted by: sbrooks

TOPOGRAPHIC SURVEY

(THIS DOES NOT CONSTITUTE A PROPERTY BOUNDARY SURVEY)



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LEGEND			
PROPERTY LINE		EXISTING UTILITY POLE	
RIGHT-OF-WAY		EXISTING SANITARY SEWER	
CENTERLINE OF ROAD		EXISTING WATER MAIN	
EXISTING STRIPING		EXISTING GAS MAIN	
EXISTING MAJOR CONTOUR		EXISTING STORM SEWER	
EXISTING MINOR CONTOUR		EXISTING UNDERGROUND ELECTRIC	
EXISTING BUILDING		EXISTING TELEPHONE PEDESTAL	
EXISTING CONCRETE PAVEMENT		EXISTING WATER VALVE	
EXISTING GRAVEL		EXISTING WATER METER	
EXISTING ASPHALT PAVEMENT		EXISTING FIBER OPTIC	
EXISTING CONCRETE BRICK PAVEMENT		EXISTING AERIAL ELECTRIC	
		EXISTING GAS VALVE	
		EXISTING FIRE HYDRANT	
		EXISTING MAILBOX	
		EXISTING SIGN	
		EXISTING FENCE	
		EXISTING LIGHT	
		EXISTING BUSH	
		EXISTING TREE	
		EXISTING UTILITY (TERMINUS UNKNOWN)	
		EXISTING GUY WIRE	

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LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529

STATE OF MISSOURI
TIMOTHY J. VAN LEER
NUMBER PLS-2007000007
5/5/25
TIMOTHY J. VAN LEER
NO. PLS-2007000007
STATE OF MISSOURI
PROFESSIONAL LAND SURVEYOR
FOR SC ENGINEERING LLC,
DBA COCHRAN

THIS SHEET HAS BEEN SIGNED,
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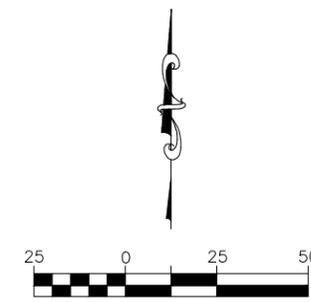
ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

TOPOGRAPHIC SURVEY

DATE:	REVISION:
DWN. BY:	APPD. BY:
N.A.T.B.	T.J.V.
DATE:	
5/5/25	
SCALE:	
1" = 50'	
PROJ. NO.:	
SC24-1648	
DWG. NO.:	
TS-7	

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LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529

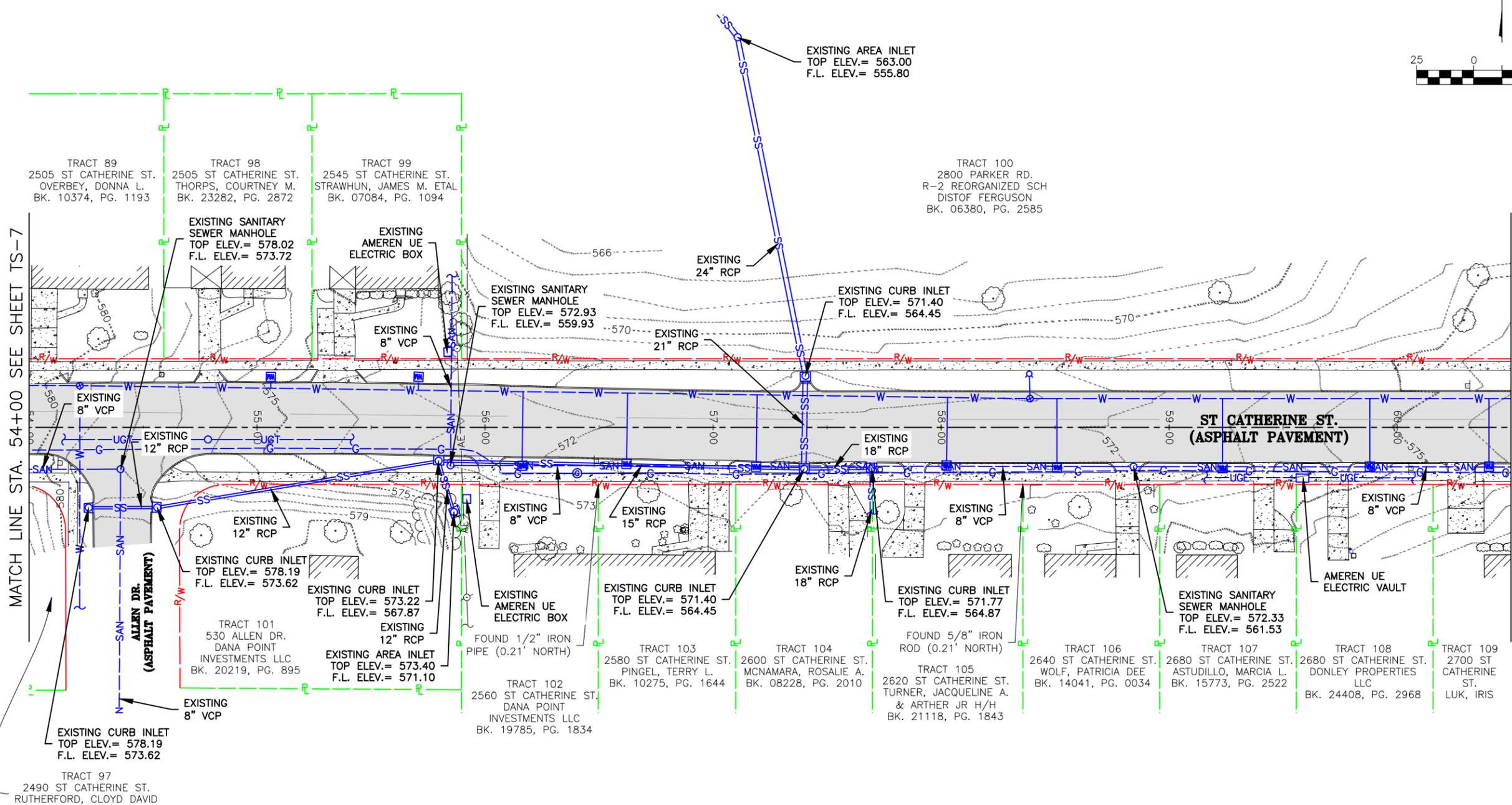
STATE OF MISSOURI
TIMOTHY J. VAN LEER
NUMBER PLS-2007000087
5/5/25
TIMOTHY J. VAN LEER
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THE PROFESSIONAL'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO ITEMS ON THIS SHEET. ALL DRAWINGS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS PROFESSIONAL.

ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

DATE:	5/5/25
SCALE:	1" = 50'
PROJ. NO.:	SC24-1648
DWG. NO.:	TS-8



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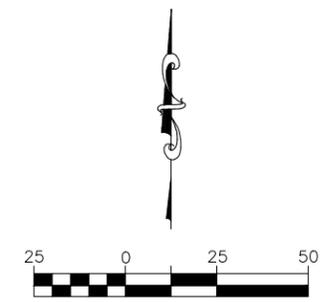
LEGEND

PROPERTY LINE		EXISTING UTILITY POLE		EXISTING GAS VALVE	
RIGHT-OF-WAY		EXISTING SANITARY SEWER		EXISTING FIRE HYDRANT	
CENTERLINE OF ROAD		EXISTING WATER MAIN		EXISTING MAILBOX	
EXISTING STRIPING		EXISTING GAS MAIN		EXISTING SIGN	
EXISTING MAJOR CONTOUR		EXISTING STORM SEWER		EXISTING FENCE	
EXISTING MINOR CONTOUR		EXISTING UNDERGROUND ELECTRIC		EXISTING LIGHT	
EXISTING BUILDING		EXISTING TELEPHONE PEDESTAL		EXISTING BUSH	
EXISTING CONCRETE PAVEMENT		EXISTING WATER VALVE		EXISTING TREE	
EXISTING GRAVEL		EXISTING WATER METER		EXISTING UTILITY (TERMINUS UNKNOWN)	
EXISTING ASPHALT PAVEMENT		EXISTING FIBER OPTIC		EXISTING GUY WIRE	
EXISTING CONCRETE BRICK PAVEMENT		EXISTING AERIAL ELECTRIC			

Drawing name: U:\SC24-1648 St. Catherine St. STBG-5595(619). Florissant, MO\AUTOCAD DRAWINGS\TOPOGRAPHIC SURVEY.dwg Tab: TS-8 Plotted on: Jun 10, 2025 4:05pm Plotted by: sbrooks

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STATE OF MISSOURI

TIMOTHY J. VAN LEER

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5/5/25

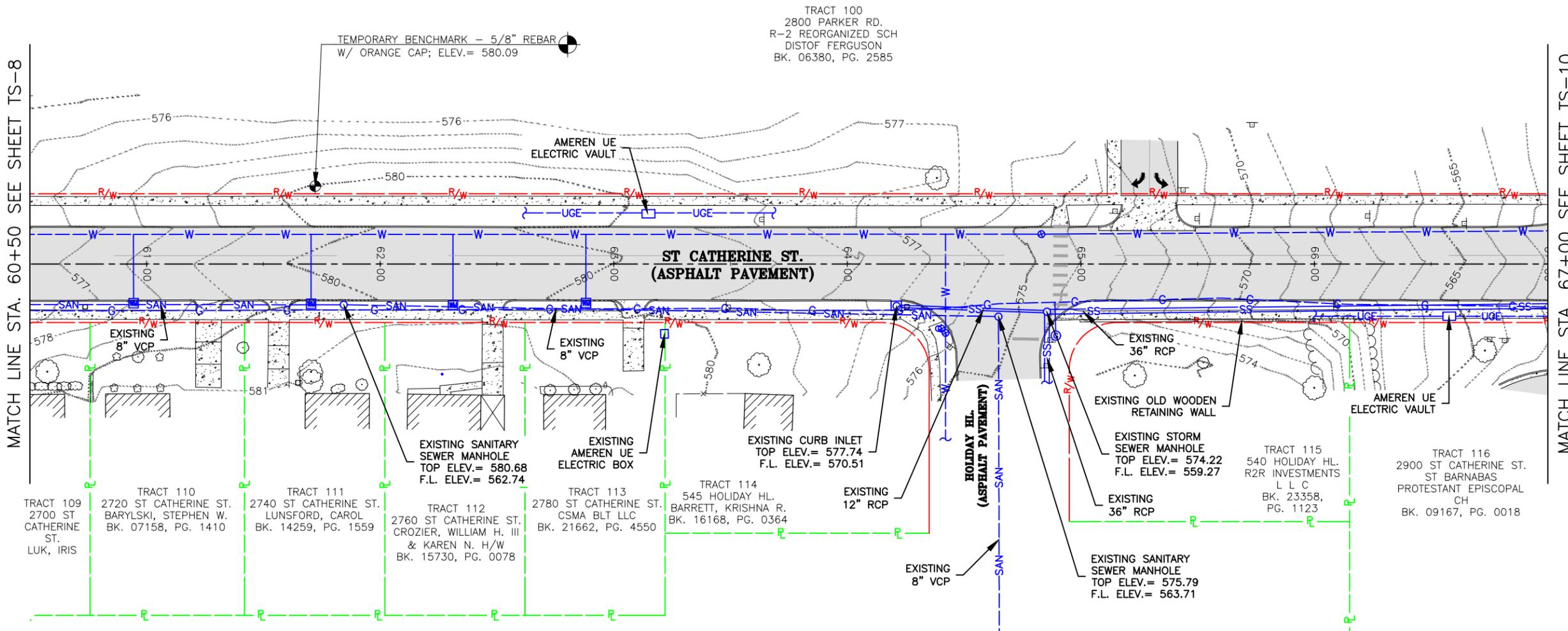
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ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI

TOPOGRAPHIC SURVEY

DATE:	5/5/25
SCALE:	1" = 50'
PROJ. NO.:	SC24-1648
DWG. NO.:	TS-9



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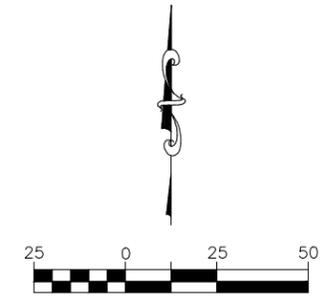
LEGEND

PROPERTY LINE	EXISTING UTILITY POLE	EXISTING GAS VALVE
RIGHT-OF-WAY	EXISTING SANITARY SEWER	EXISTING FIRE HYDRANT
CENTERLINE OF ROAD	EXISTING WATER MAIN	EXISTING MAILBOX
EXISTING STRIPING	EXISTING GAS MAIN	EXISTING SIGN
EXISTING MAJOR CONTOUR	EXISTING STORM SEWER	EXISTING FENCE
EXISTING MINOR CONTOUR	EXISTING UNDERGROUND ELECTRIC	EXISTING LIGHT
EXISTING BUILDING	EXISTING TELEPHONE PEDESTAL	EXISTING BUSH
EXISTING CONCRETE PAVEMENT	EXISTING WATER VALVE	EXISTING TREE
EXISTING GRAVEL	EXISTING WATER METER	EXISTING UTILITY (TERMINUS UNKNOWN)
EXISTING ASPHALT PAVEMENT	EXISTING FIBER OPTIC	EXISTING GUY WIRE
EXISTING CONCRETE BRICK PAVEMENT	EXISTING AERIAL ELECTRIC	

Drawing name: U:\SC24-1648 St. Catherine St. STBG-5595(619). Florissant, MO\AUTOCAD DRAWINGS\TOPOGRAPHIC SURVEY.dwg Tab: TS-9 Plotted on: Jun 10, 2025 - 4:05pm Plotted by: strooks

TOPOGRAPHIC SURVEY

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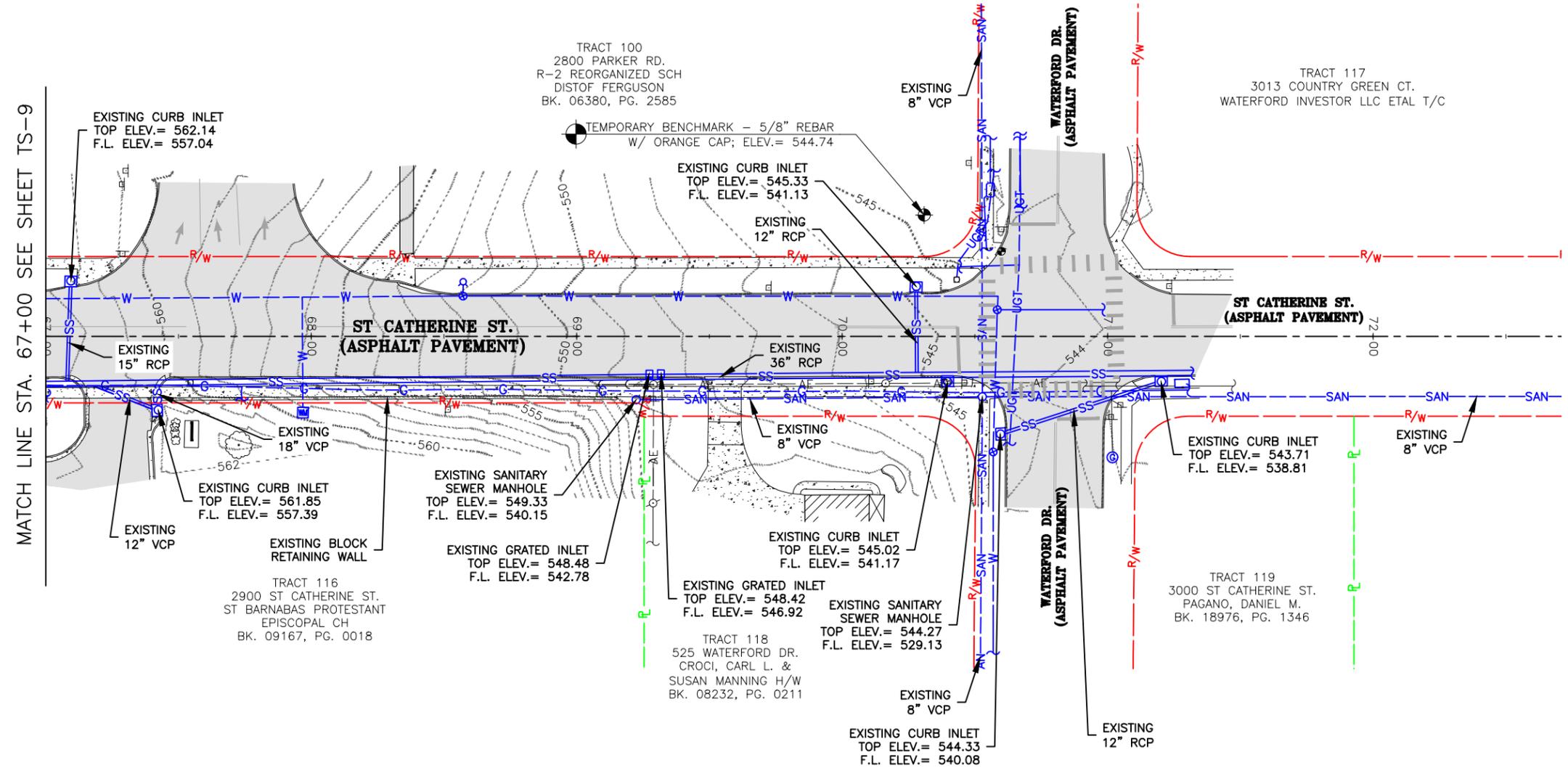
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FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI



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LEGEND			
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CENTERLINE OF ROAD		EXISTING WATER MAIN	
EXISTING STRIPING		EXISTING GAS MAIN	
EXISTING MAJOR CONTOUR		EXISTING STORM SEWER	
EXISTING MINOR CONTOUR		EXISTING UNDERGROUND ELECTRIC	
EXISTING BUILDING		EXISTING TELEPHONE PEDESTAL	
EXISTING CONCRETE PAVEMENT		EXISTING WATER VALVE	
EXISTING GRAVEL		EXISTING WATER METER	
EXISTING ASPHALT PAVEMENT		EXISTING FIBER OPTIC	
EXISTING CONCRETE BRICK PAVEMENT		EXISTING AERIAL ELECTRIC	
		EXISTING GAS VALVE	
		EXISTING FIRE HYDRANT	
		EXISTING MAILBOX	
		EXISTING SIGN	
		EXISTING FENCE	
		EXISTING LIGHT	
		EXISTING BUSH	
		EXISTING TREE	
		EXISTING UTILITY (TERMINUS UNKNOWN)	
		EXISTING GUY WIRE	

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TOPOGRAPHIC SURVEY

DATE: 5/5/25

SCALE: 1" = 50'

PROJ. NO: SC24-1648

DWG. NO: TS-10

DWN. BY: N.A.T.B. APPD. BY: T.J.V.

LEGEND AND GENERAL NOTES

LEGEND, GENERAL NOTES AND ABBREVIATIONS SHALL APPLY TO ALL SHEETS UNLESS OTHERWISE NOTED ON INDIVIDUAL SHEET

LEGEND

EXISTING		NEW		EXISTING		NEW	
	INDEX CONTOUR		500		TREE		TREE
	INTERMEDIATE CONTOUR		498		TREELINE		TREELINE
	RIGHT-OF-WAY		R/W		LIGHT		LIGHT
	LOT LINE		R/W		COBRAHEAD LIGHT		COBRAHEAD LIGHT
	PERMANENT EASEMENT		PE		LOAD CENTER		LOAD CENTER
	AERIAL ELECTRIC		AE		HAND HOLE		HAND HOLE
	UTILITY POLE		→		MAILBOX		MAILBOX
	GUY WIRE		→		SIGN		SIGN
	UNDERGROUND ELECTRIC		UGE		CORING LOCATION		CORING LOCATION
	UNDERGROUND CABLE TV		CATV		CONCRETE PAVEMENT		CONCRETE PAVEMENT
	UNDERGROUND TELEPHONE		UGT		ASPHALT PAVEMENT		ASPHALT PAVEMENT
	UNDERGROUND FIBER OPTIC		FO		GRAVEL SURFACE		GRAVEL SURFACE
	SANITARY SEWER LINE		SAN		ROCK BLANKET/DITCH LINER		ROCK BLANKET/DITCH LINER
	SANITARY FORCEMAIN		FM		CONCRETE APPROACH		CONCRETE APPROACH
	SANITARY SEWER MANHOLE		●		CONCRETE SIDEWALK		CONCRETE SIDEWALK
	STORM SEWER LINE		SS		CURB RAMP		CURB RAMP
	STORM SEWER MANHOLE		●		ASPHALT DRIVEWAY		ASPHALT DRIVEWAY
	CURB/AREA INLET		■		AGGREGATE DRIVEWAY		AGGREGATE DRIVEWAY
	GRATED INLET		■		SODDING		SODDING
	GRATED INLET W/ SIDE INTAKE		■		FULL DEPTH PAVEMENT (WIDENING)		FULL DEPTH PAVEMENT (WIDENING)
	FLARED END SECTION		▲		FULL DEPTH PAVEMENT (REPAIR)		FULL DEPTH PAVEMENT (REPAIR)
	SWALE		→		PAVEMENT MILLING		PAVEMENT MILLING
	GAS LINE		G		RETAINING WALL		RETAINING WALL
	GAS VALVE		⊙		CONCRETE VERTICAL CURB		CONCRETE VERTICAL CURB
	GAS METER		⊠		CONCRETE CURB AND GUTTER		CONCRETE CURB AND GUTTER
	WATER LINE		W		CONSTRUCTION LIMITS		CONSTRUCTION LIMITS
	FIRE HYDRANT		⊙		SILT FENCE		SILT FENCE
	WATER VALVE		⊙		INLET CHECK		INLET CHECK
	WATER METER		⊠		DITCH CHECK		DITCH CHECK
	GUARDRAIL		G		PROJECT BASELINE		PROJECT BASELINE
	FENCE		X		TEMPORARY CONSTRUCTION EASEMENT		TEMPORARY CONSTRUCTION EASEMENT

ABBREVIATIONS

AI - AREA INLET	MIN - MINIMUM	∅ - DIAMETER
ARC - ARC LENGTH	NO - NUMBER	℄ - CENTERLINE
ATG - ADJUST TO GRADE	O/S - OFFSET	(1) - KEYED NOTE
BF - BOTTOM OF FOOTING	OC - ON CENTER	
BOP - BEGINNING OF PAVEMENT	PC - POINT OF CURVATURE	
BW - BOTTOM OF WALL	PCC - POINT OF COMPOUND CURVATURE	
CB - CHORD BEARING	PE - PERMANENT EASEMENT	
CHD - CHORD LENGTH	PI - POINT OF INTERSECTION	
CI - CURB INLET	PRC - POINT OF REVERSE CURVATURE	
CMP - CORRUGATED METAL PIPE	PT - POINT OF TANGENCY	
DCI - DOUBLE CURB INLET	R/W - RIGHT-OF-WAY	
DGI - DOUBLE GRATED INLET	RAD - RADIUS	
ELEV - ELEVATION	RCP - REINFORCED CONCRETE PIPE	
EOP - END OF PAVEMENT	RT - RIGHT	
FES - FLARED END SECTION	SSD - STOPPING SIGHT DISTANCE	
FL - FLOW LINE	STA - STATION	
GI - GRATED INLET	TBR - TO BE REMOVED	
GIS - GRATED INLET WITH SIDE INTAKE	TBR&R - TO BE REMOVED AND REPLACED	
HDPE - HIGH-DENSITY POLYETHYLENE	TCE - TEMPORARY CONSTRUCTION EASEMENT	
JB - JUNCTION BOX	TW - TOP OF WALL	
LF - LINEAR FEET	TYP - TYPICAL	
LT - LEFT	VPC - VERTICAL POINT OF CURVATURE	
MAX - MAXIMUM	VPI - VERTICAL POINT OF INTERSECTION	
MH - MANHOLE	VPT - VERTICAL POINT OF TANGENCY	

GENERAL NOTES

TOPOGRAPHIC SURVEY NOTES:

- UNDERGROUND STRUCTURES, FACILITIES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.
- TEMPORARY BENCHMARK IS A SET 5/8" REBAR W/ ORANGE "CONTROL POINT CAP" ON THE SOUTH SIDE OF ST. CATHERINE ST. AT APPROXIMATELY STA. 11+25 AS SHOWN ABOVE, ELEV.= 582.68.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF ALL POTENTIAL UTILITY CONFLICTS PRIOR TO ORDERING MATERIALS FOR CONSTRUCTION. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. LOCATION, RELOCATION AND CONNECTION OF THE UTILITIES SHALL BE COORDINATED WITH THE UTILITY COMPANIES.
- TOPOGRAPHIC INFORMATION AS SHOWN HEREON PER FIELD WORK PERFORMED BY N.A.T.B. AND M.J.C. OF COCHRAN, DATED APRIL 2025.
- THIS PROJECT IS ORIENTED TO GRID NORTH USING MODOT'S RTK GPS NETWORK PER GPS OBSERVATION USING MODOT'S RTK VRS GPS NETWORK.
- THIS TOPOGRAPHIC SURVEY DOES NOT CONSTITUTE A PROPERTY BOUNDARY SURVEY.

DESIGN NOTES:

- CONTRACTOR SHALL RELOCATE ALL EXISTING SIGNS, PLANTERS, MAILBOXES, AND PRIVATE LIGHTS AS NECESSARY FOR THE CONSTRUCTION OF THE IMPROVEMENTS. NEW LOCATIONS SHALL BE AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL ADJUST TO GRADE ALL UTILITIES NECESSARY TO BRING THE UTILITY TO THE GRADE OF THE NEW CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND ELEVATION OF ALL POTENTIAL UTILITY CONFLICTS PRIOR TO ORDERING STORM SEWER PIPE AND STRUCTURES.
- CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING PRIVATE SIDEWALKS AS NECESSARY FOR THE CONSTRUCTION OF THE IMPROVEMENTS. PRIVATE SIDEWALKS SHALL BE SAW CUT AT THE RIGHT-OF-WAY OR NEAREST JOINT AS DIRECTED BY THE ENGINEER.
- EXISTING CULVERT PIPES, WHICH ARE UNDER DRIVEWAYS BEING REPLACED BY THE CONSTRUCTION OF IMPROVEMENTS, SHALL BE REMOVED.
- CONTRACTOR SHALL DISCUSS MILLING DEPTHS WITH THE ENGINEER PRIOR TO STARTING THE MILLING PROCESS. DEPTH SHOWN IS APPROXIMATE AND MAY VARY AS DIRECTED TO OBTAIN THE DESIRED CROSS SLOPE AND PROFILE. UNIT COST FOR THE MILLING WORK SHALL NOT CHANGE REGARDLESS OF THE MILLED THICKNESS, UNLESS THE BID FORM PROVIDES MULTIPLE MILLING DEPTH LINE ITEMS.
- OBLITERATE ANY EXISTING STRIPING THAT CONFLICTS WITH THE PROPOSED PAVEMENT MARKING PLAN. THE PROCESS FOR REMOVAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEGINNING (INCIDENTAL TO CONSTRUCTION).
- THE LOCATION OF THE NEW UNDERGROUND ELECTRIC FOR STREET LIGHTING AS SHOWN IS APPROXIMATE AND SHALL NOT INTERFERE WITH ANY NEW OR EXISTING UTILITIES, SIGNS, TREES, OR IMPROVEMENTS OF ANY KIND. THEREFORE, THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF UNDERGROUND ELECTRIC WITH EXISTING UTILITIES AND ANY OTHER IMPROVEMENTS ASSOCIATED WITH THIS PROJECT.
- ALL AREAS OF CLEARING, GRUBBING AND STRIPPING NOT SHOWN IN PLANS, CONTRACTOR SHALL CONDUCT CLEARING, GRUBBING AND STRIPPING AS NECESSARY UNLESS OTHERWISE NOTED IN PLANS.

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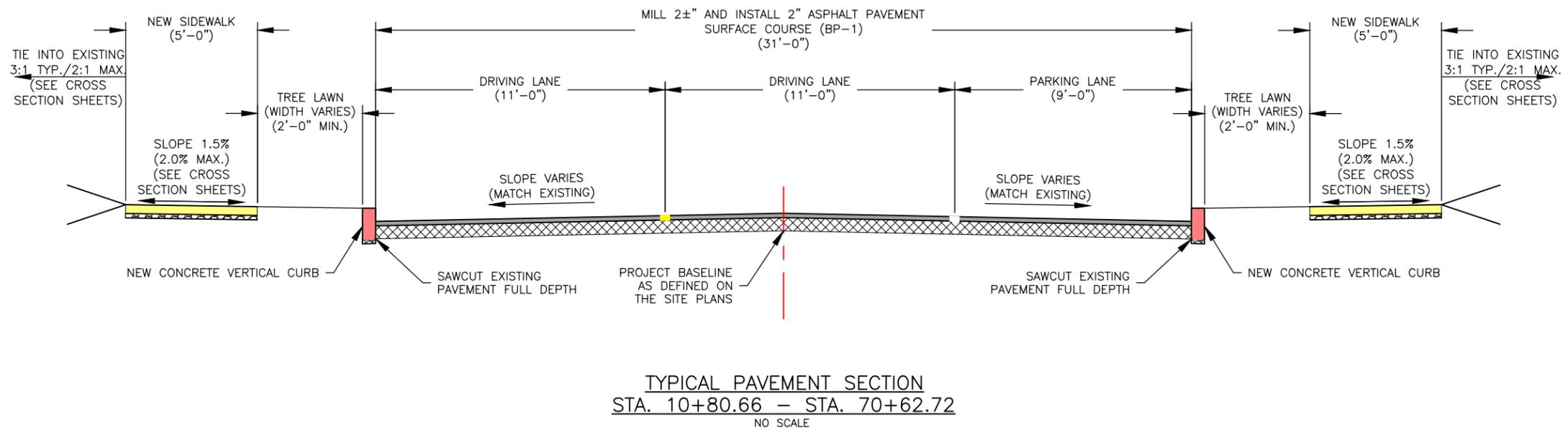
ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

LEGEND AND GENERAL NOTES

DATE	REVISION

DWN. BY: S.R.B. APPD. BY: K.J.W.
DATE: JUNE 2025
SCALE: 1" = 20'
PROJ. NO: SC24-1648
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TYPICAL SECTIONS



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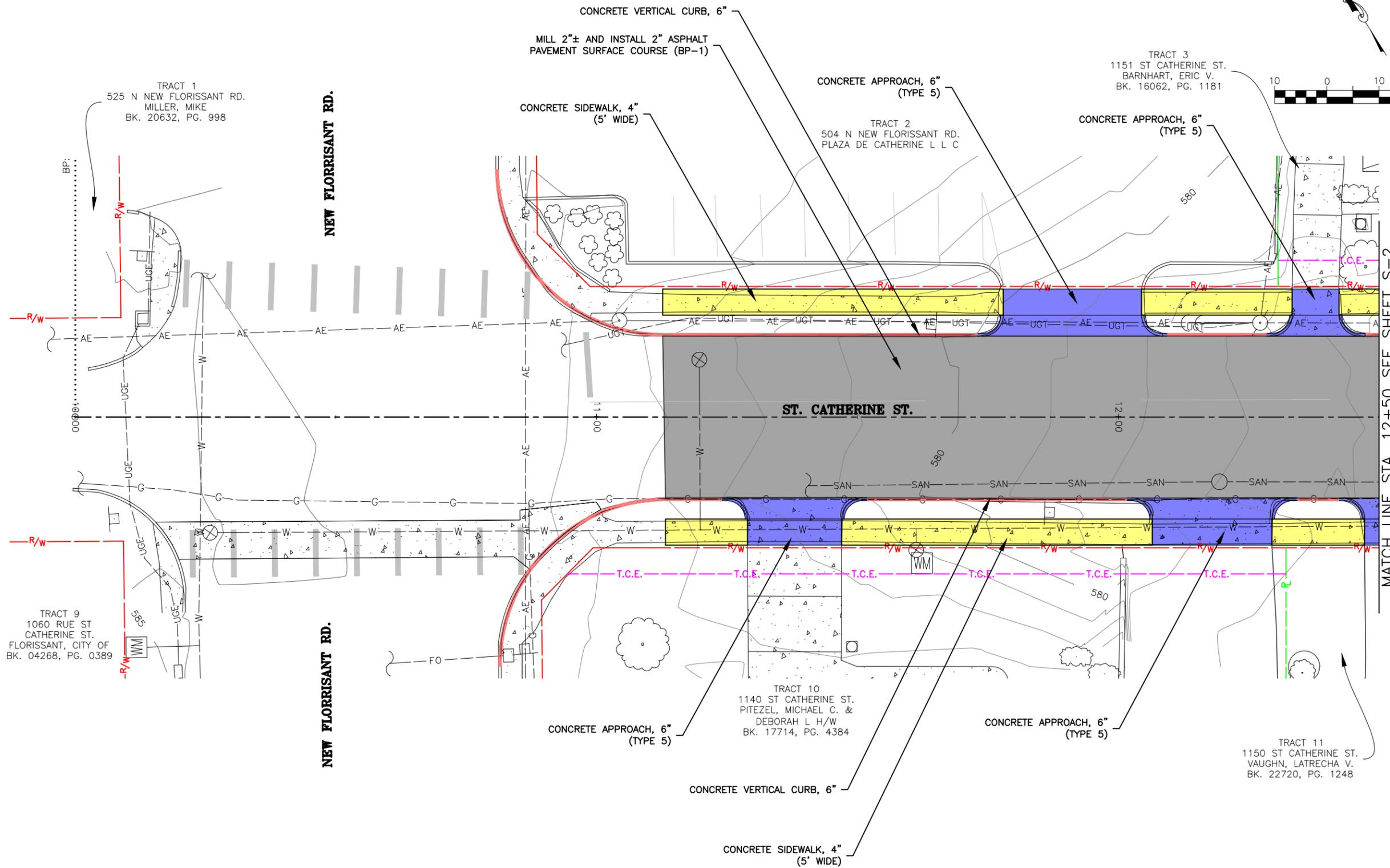
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 FEDERAL PROJECT NO. STBG-5595 (619)
 CITY OF FLORISSANT, MISSOURI

TYPICAL SECTIONS	
DATE:	
DWN. BY:	APPD. BY:
S.R.B.	K.J.W.
DATE:	JUNE 2025
SCALE:	AS SHOWN
PROJ. NO:	SC24-1648
DWG. NO:	TXS-1

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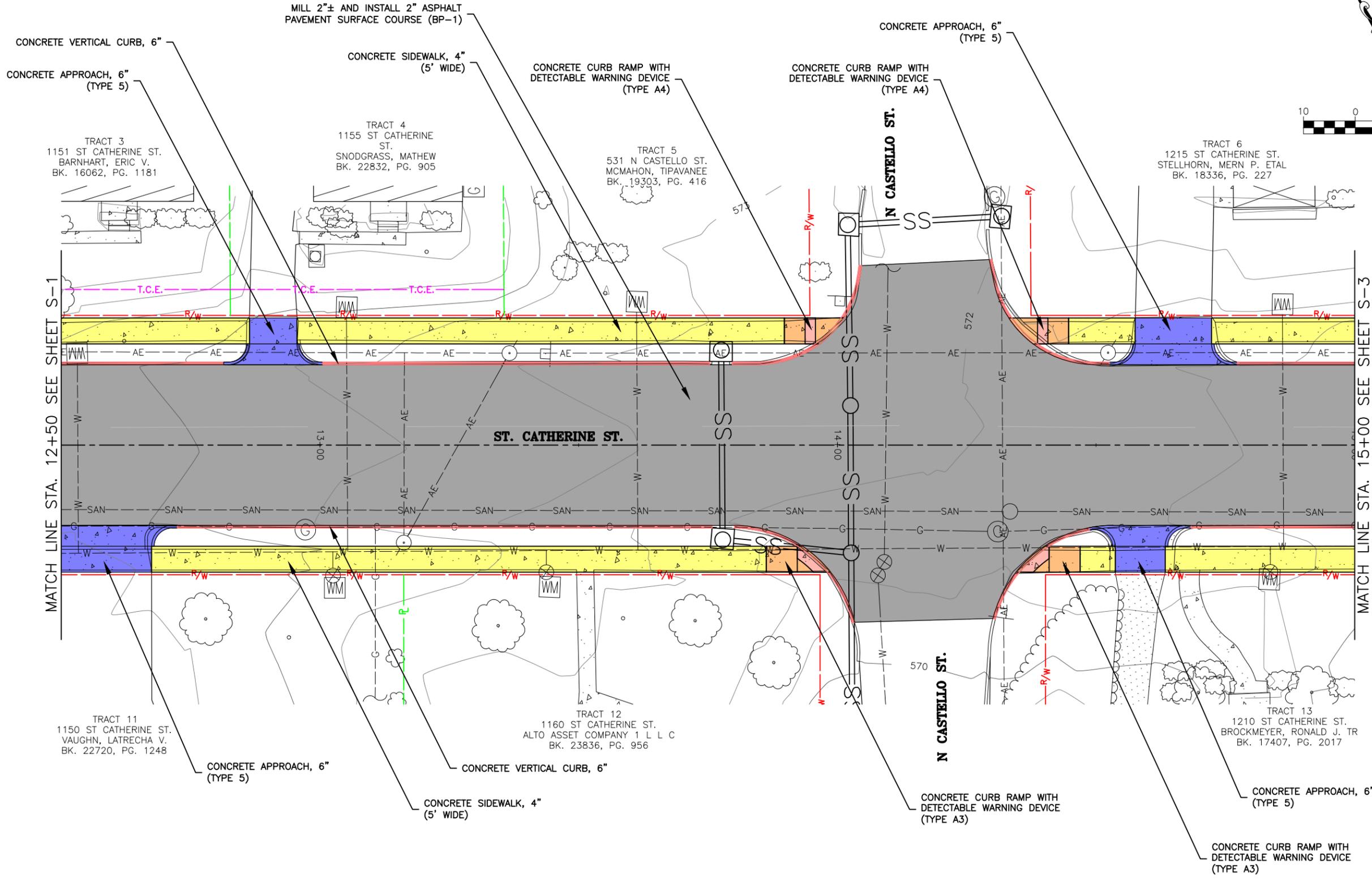
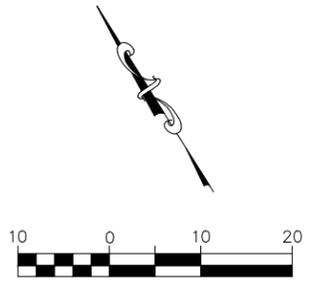
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CITY OF FLORISSANT, MISSOURI

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S.R.B.	K.J.W.
DATE:	JUNE 2025
SCALE:	1" = 20'
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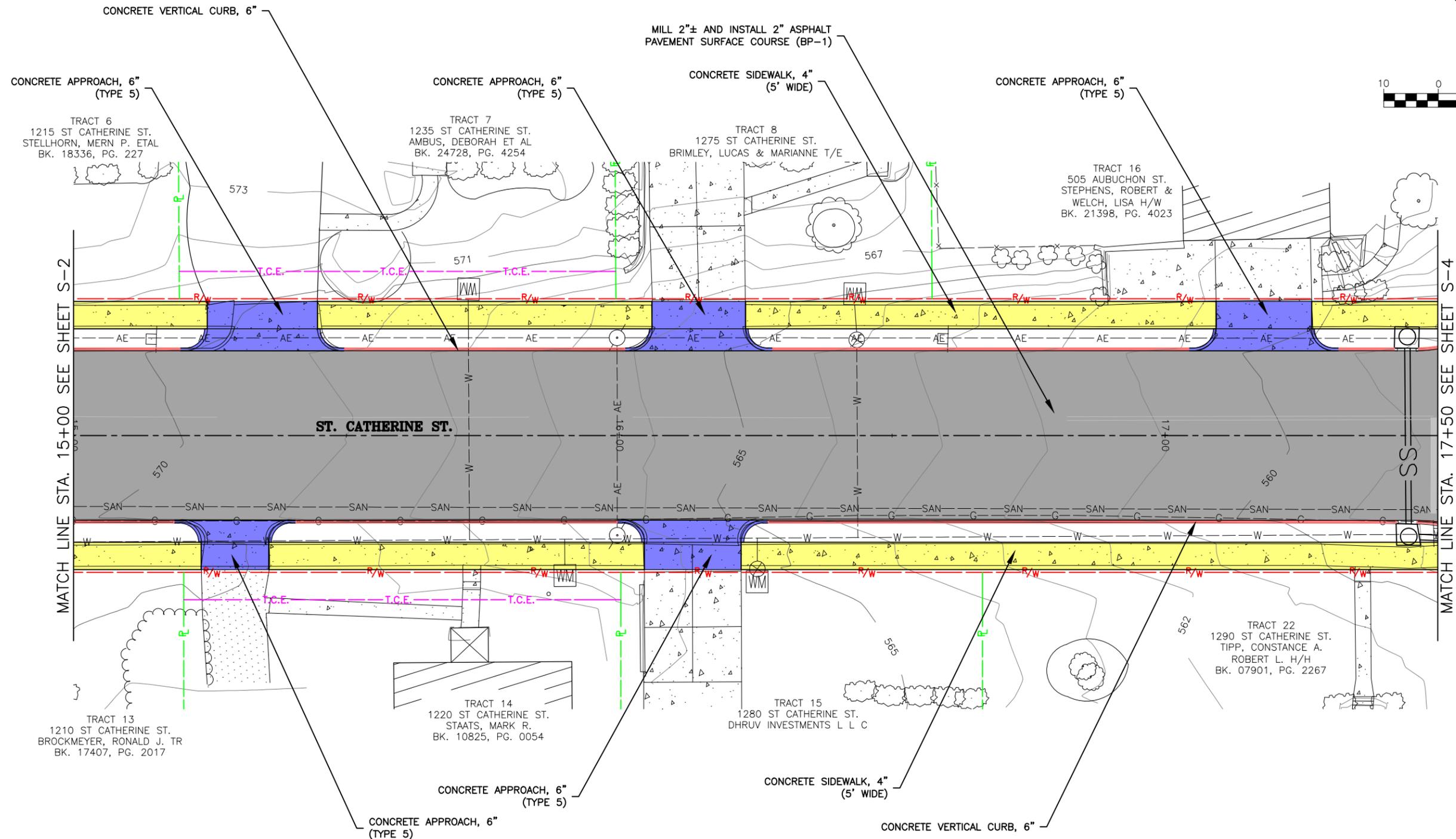
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CITY OF FLORISSANT, MISSOURI

DATE:	REVISION:
DWN. BY:	APPD. BY:
DATE:	DATE:
SCALE:	SCALE:
PROJ. NO.:	PROJ. NO.:
DWG. NO.:	DWG. NO.:

S.R.B. K.J.W.
JUNE 2025
1" = 20'
SC24-1648
S-2

Drawing name: J:\SC24-1648 St. Catherine St. STBG-5595(619), Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab. S-2 Plotted on: Jun 10, 2025 - 4:05pm Plotted by: abrooks

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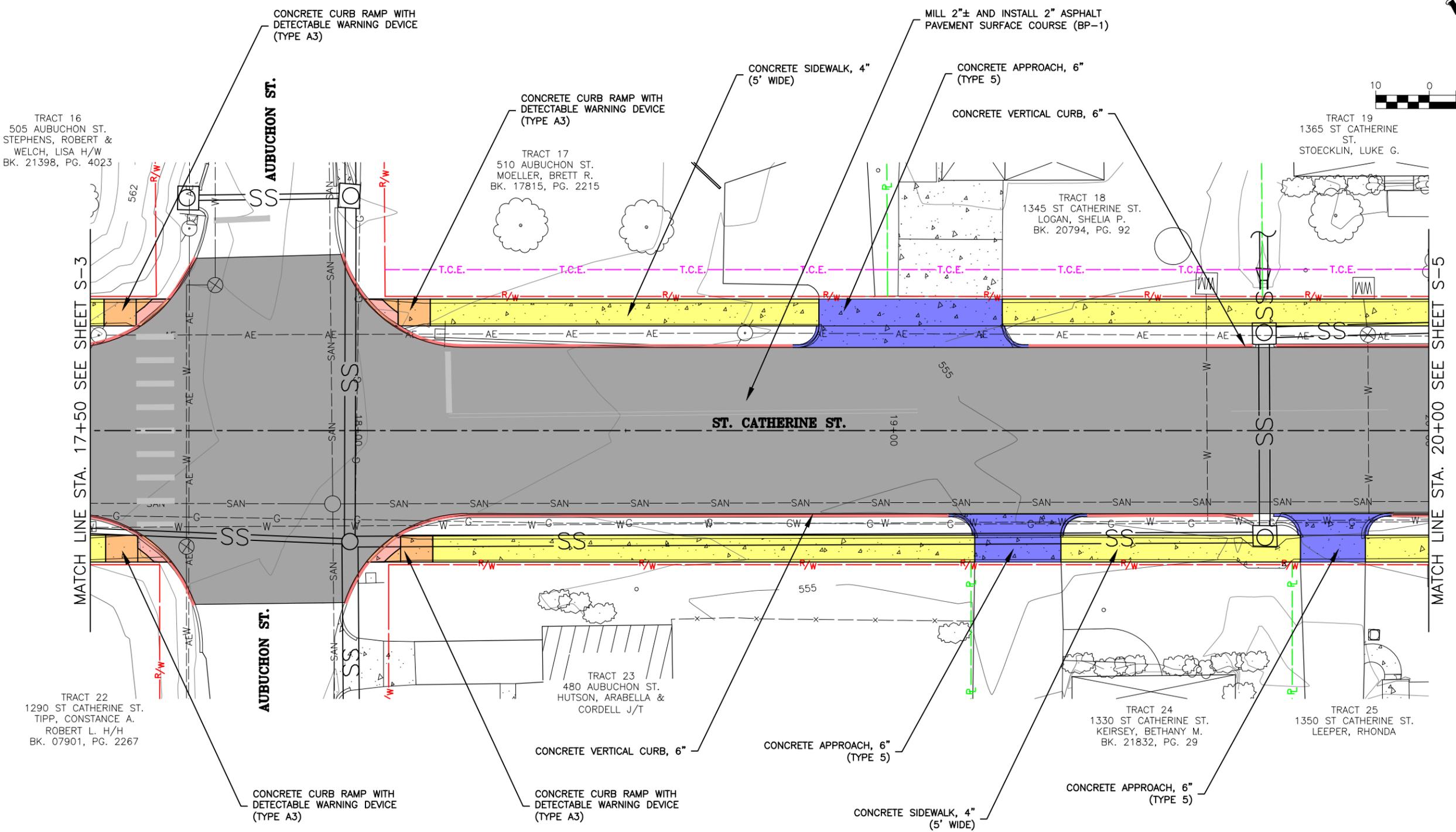
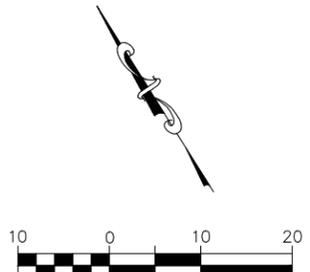
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CITY OF FLORISSANT, MISSOURI

DATE:	REVISION:
DWN. BY:	APPD. BY:
DATE:	DATE:
SCALE:	PROJ. NO.:
	DWG. NO.:
S-3	

SITE PLAN



TRACT 16
505 AUBUCHON ST.
STEPHENS, ROBERT &
WELCH, LISA H/W
BK. 21398, PG. 4023

TRACT 17
510 AUBUCHON ST.
MOELLER, BRETT R.
BK. 17815, PG. 2215

TRACT 18
1345 ST CATHERINE ST.
LOGAN, SHELIA P.
BK. 20794, PG. 92

TRACT 19
1365 ST CATHERINE
ST.
STOECKLIN, LUKE G.

TRACT 22
1290 ST CATHERINE ST.
TIPP, CONSTANCE A.
ROBERT L. H/H
BK. 07901, PG. 2267

TRACT 23
480 AUBUCHON ST.
HUTSON, ARABELLA &
CORDELL J/T

TRACT 24
1330 ST CATHERINE ST.
KEIRSEY, BETHANY M.
BK. 21832, PG. 29

TRACT 25
1350 ST CATHERINE ST.
LEEPER, RHONDA

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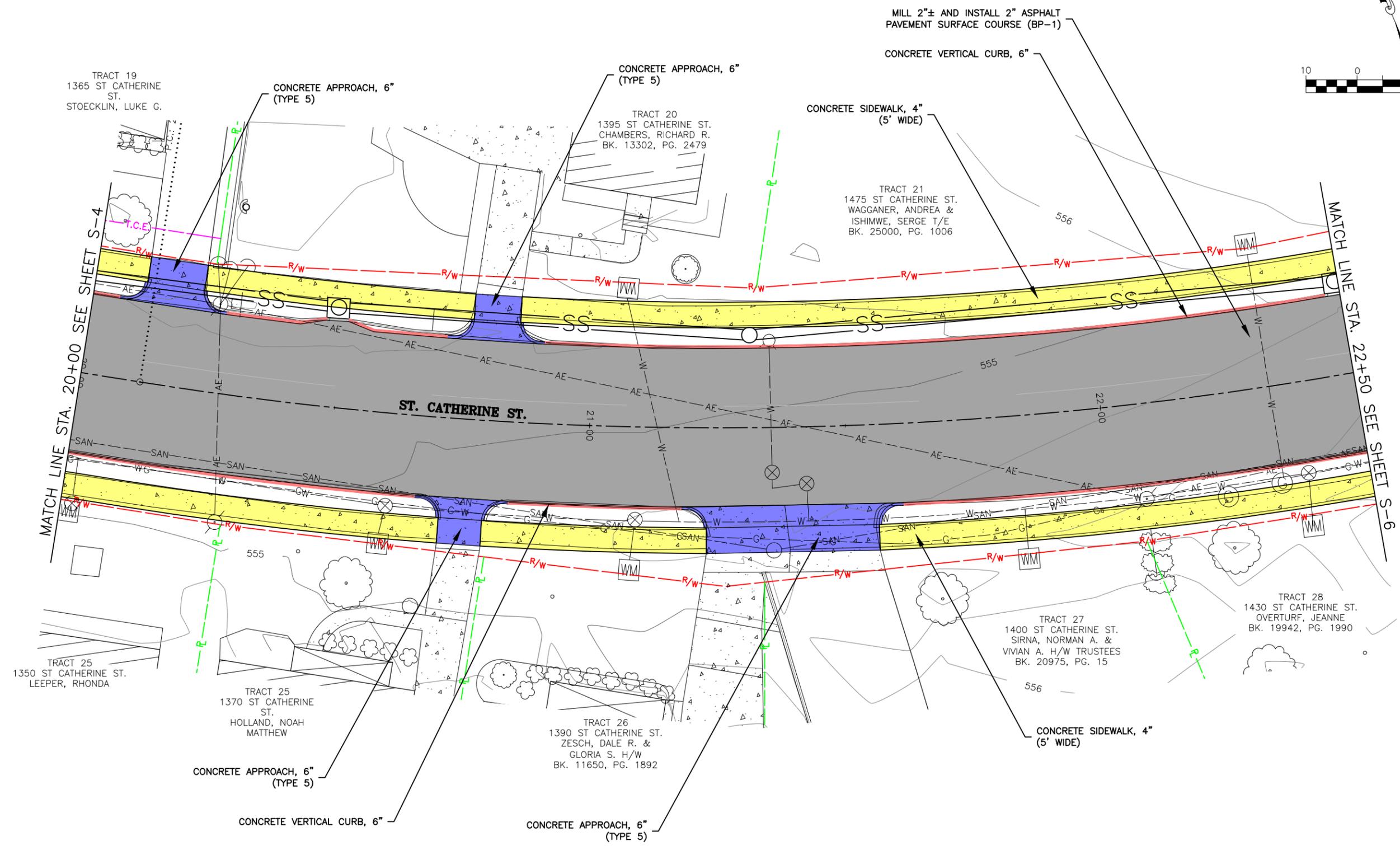
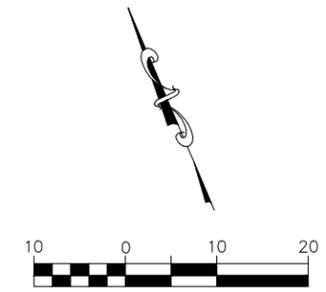
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FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

DATE:	REVISION:
DWN. BY:	APPD. BY:
S.R.B.	K.J.W.
DATE:	
JUNE 2025	
SCALE:	
1" = 20'	
PROJ. NO.:	
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DWG. NO.:	
S-4	

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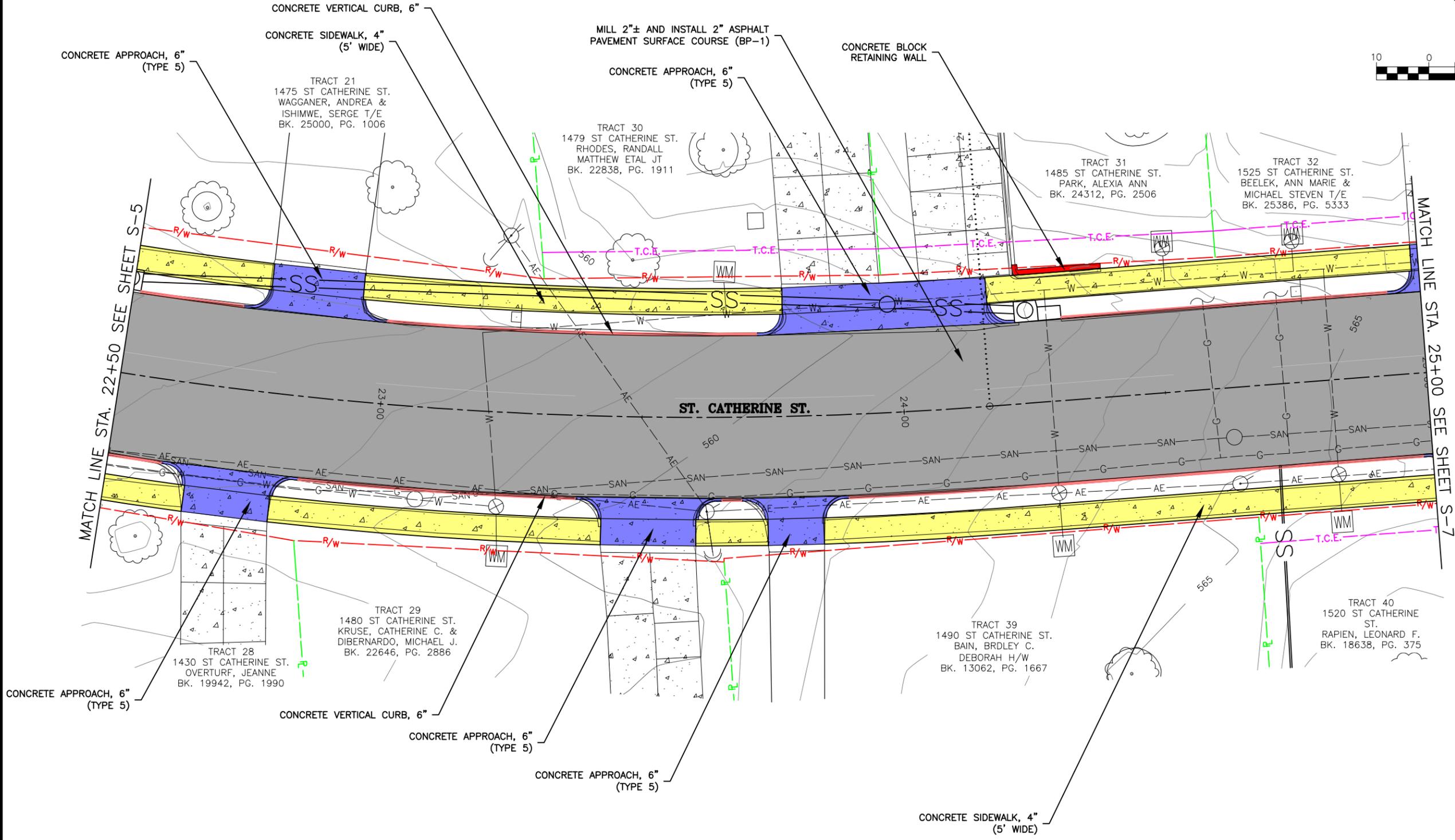
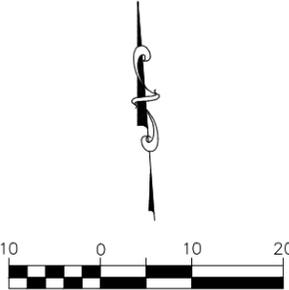
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CITY OF FLORISSANT, MISSOURI

DATE:	REVISION:
DWN. BY: S.R.B.	APPD. BY: K.J.W.
DATE: JUNE 2025	
SCALE: 1" = 20'	
PROJ. NO: SC24-1648	
DWG. NO: S-5	

Drawing name: U:\SC24-1648 St. Catherine St. STBG-5595(619), Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab. S-5 Plotted on: Jun 10, 2025 - 4:05pm Plotted by: abrooks

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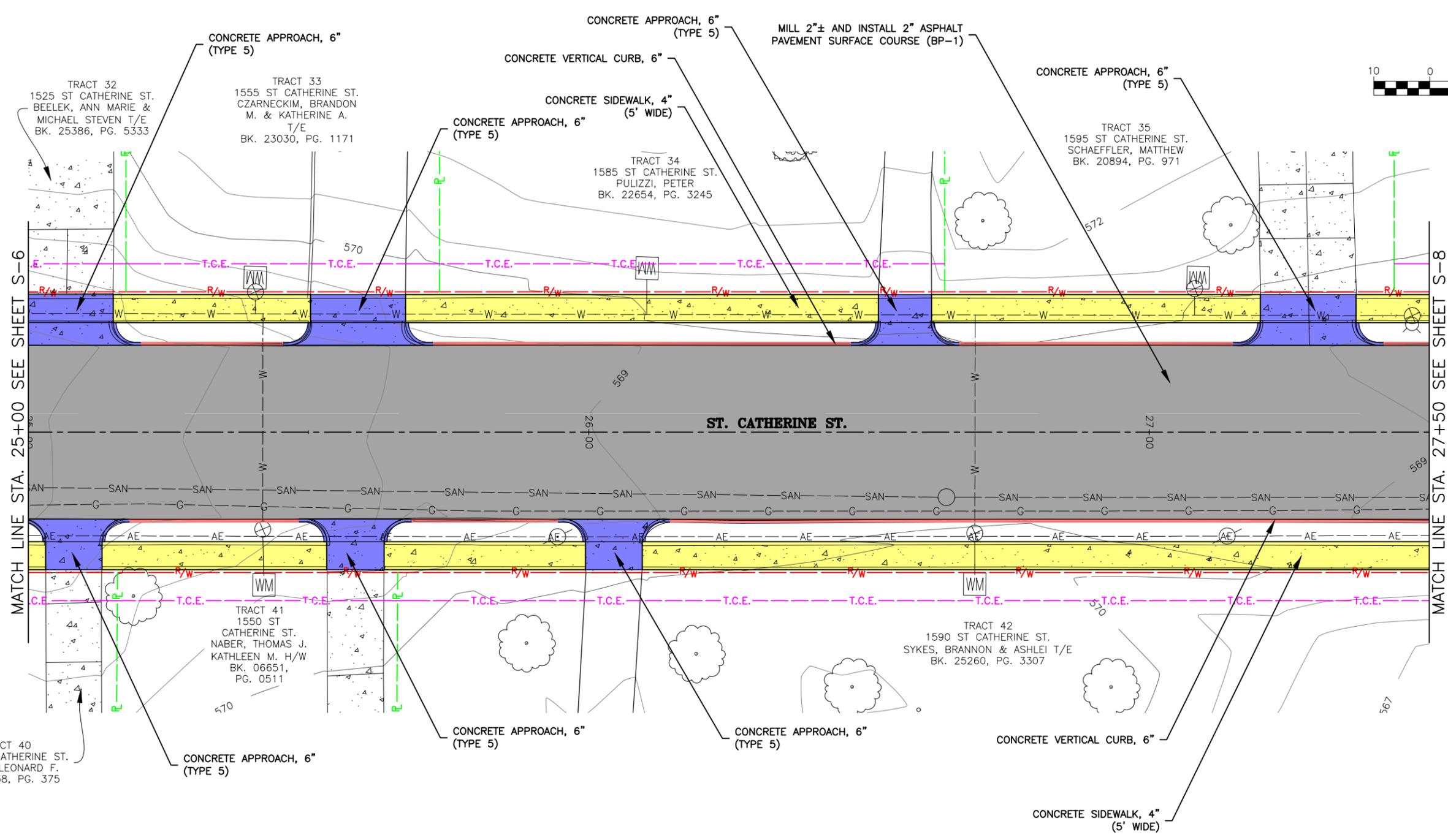
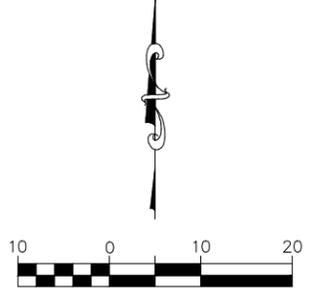
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CITY OF FLORISSANT, MISSOURI

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S.R.B.	K.J.W.
DATE:	
JUNE 2025	
SCALE:	
1" = 20'	
PROJ. NO.:	
SC24-1648	
DWG. NO.:	
S-6	

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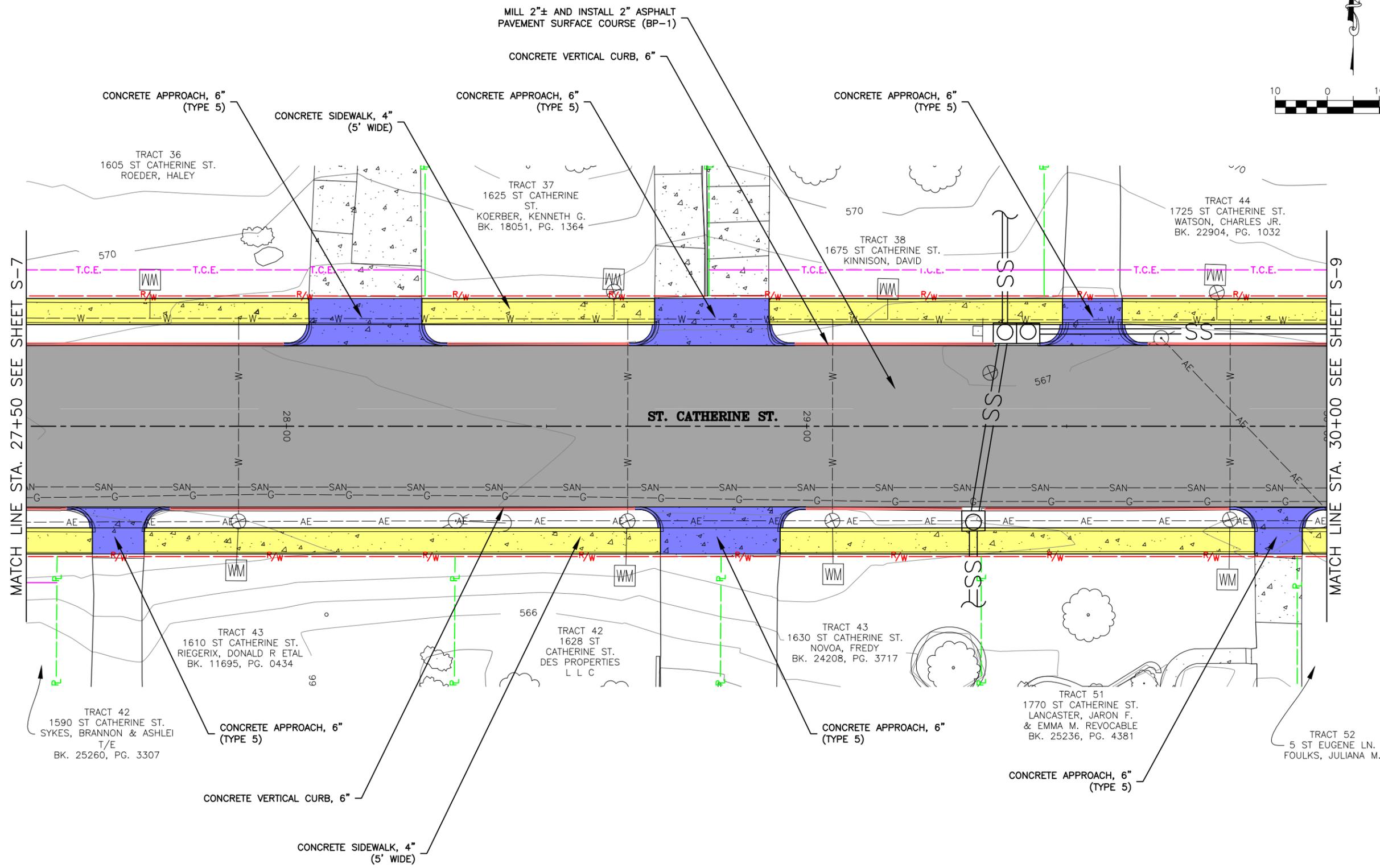
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FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

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	DWN. BY: S.R.B.	APPD. BY: K.J.W.
	DATE: JUNE 2025	
	SCALE: 1" = 20'	
	PROJ. NO: SC24-1648	
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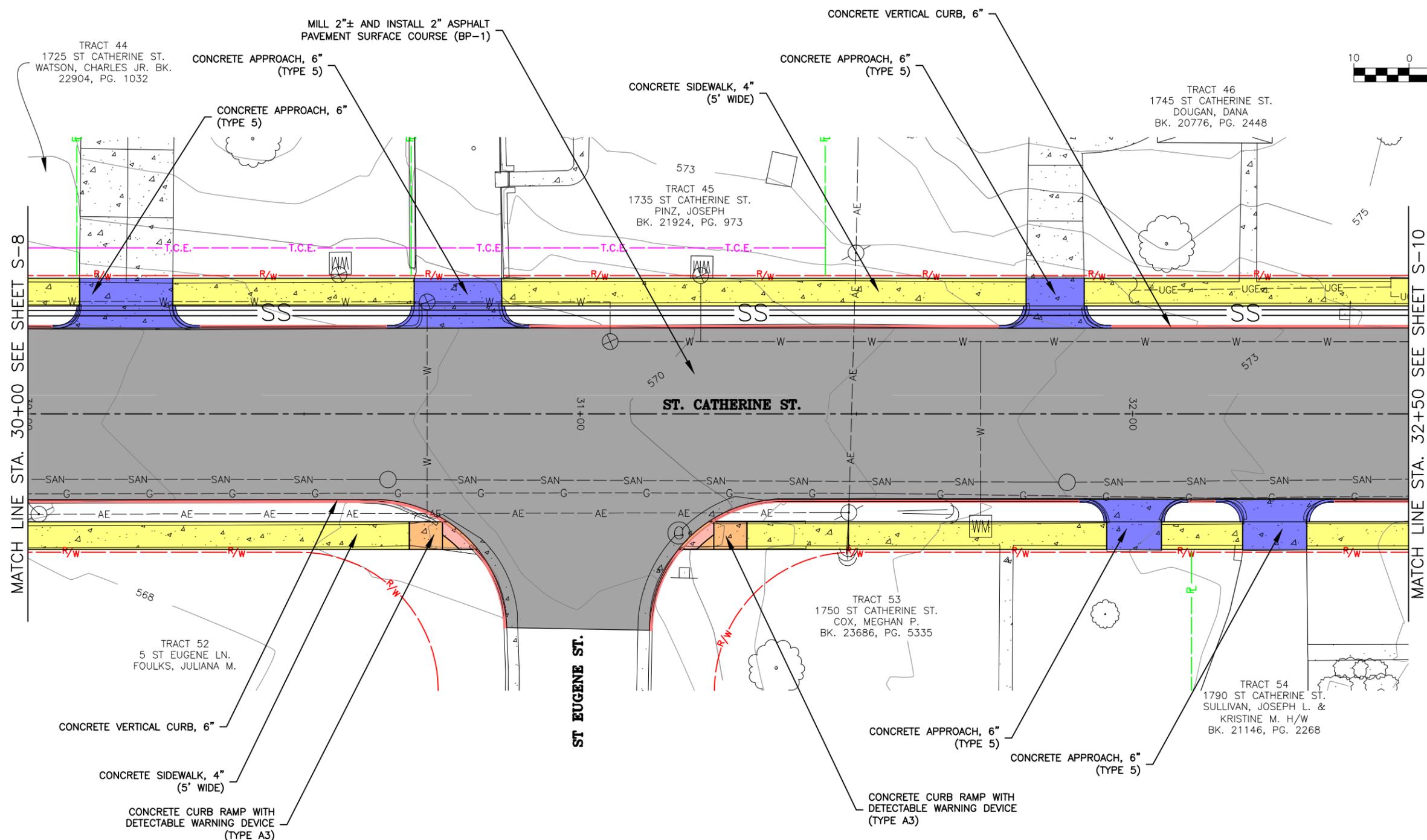
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FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

DATE	REVISION

DWN. BY: S.R.B. APPD. BY: K.J.W.
DATE: JUNE 2025
SCALE: 1" = 20'
PROJ. NO: SC24-1648
DWG. NO: S-8

Drawing name: U:\SC24-1648 St. Catherine St. STBG-5595(619), Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab. S-8 Plotted on: Jun 10, 2025 - 4:06pm Plotted by: abrooks

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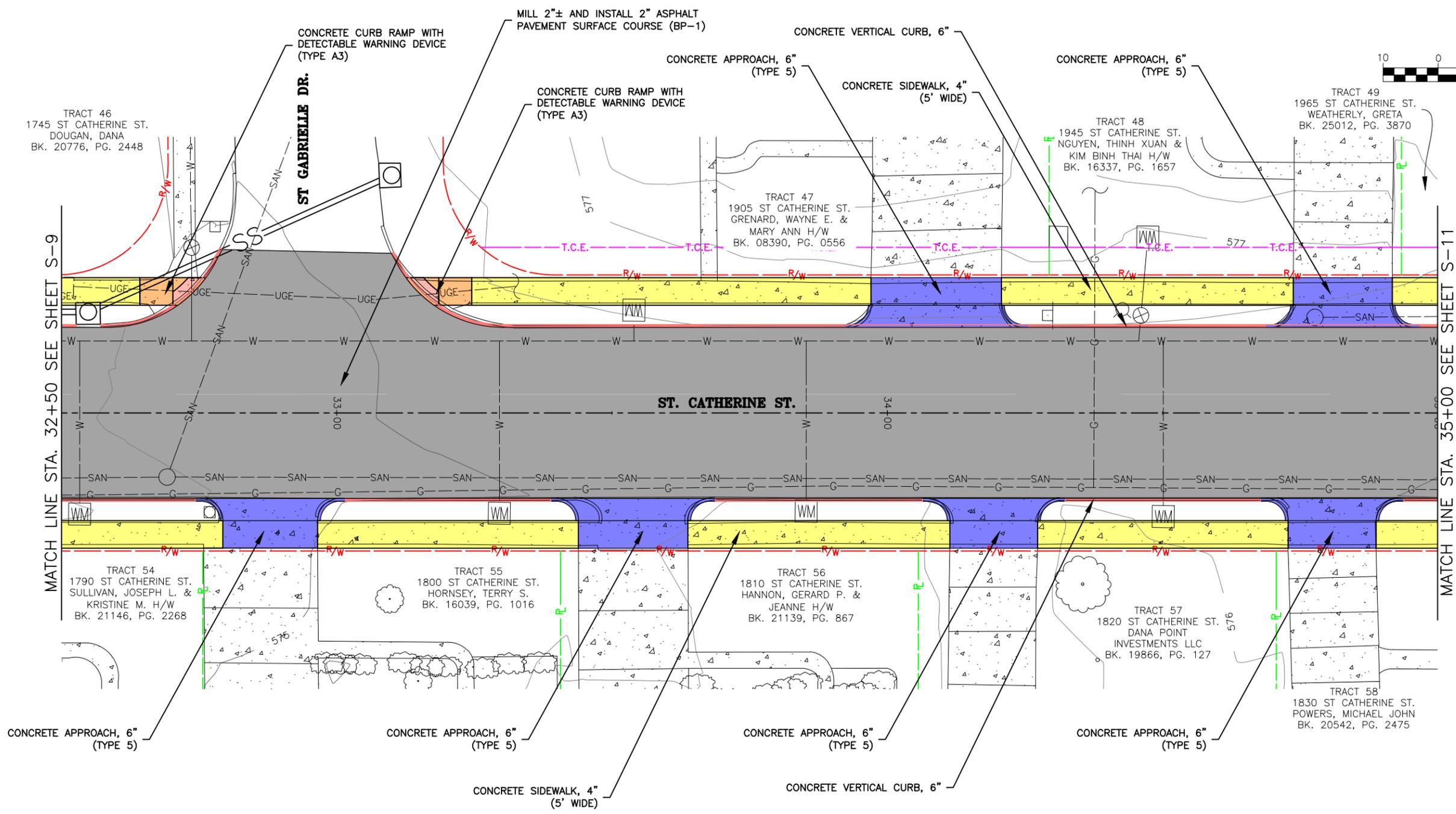
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FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI

SITE PLAN	S-9
DATE: _____	REVISION: _____
DWN. BY: S.R.B.	APPD. BY: K.J.W.
DATE: JUNE 2025	
SCALE: 1" = 20'	
PROJ. NO: SC24-1648	
DWG. NO: _____	

Drawing name: I:\SC24-1648 St. Catherine St. STBG-5595(619). Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab: S-9 Plotted on: Jun 10, 2025 - 4:06pm Plotted by: abrooks

SITE PLAN



TRACT 46
1745 ST CATHERINE ST.
DOUGAN, DANA
BK. 20776, PG. 2448

CONCRETE CURB RAMP WITH
DETECTABLE WARNING DEVICE
(TYPE A3)

ST GABRIELE DR.

MILL 2"± AND INSTALL 2" ASPHALT
PAVEMENT SURFACE COURSE (BP-1)

CONCRETE CURB RAMP WITH
DETECTABLE WARNING DEVICE
(TYPE A3)

CONCRETE APPROACH, 6"
(TYPE 5)

CONCRETE VERTICAL CURB, 6"

CONCRETE SIDEWALK, 4"
(5' WIDE)

CONCRETE APPROACH, 6"
(TYPE 5)

TRACT 48
1945 ST CATHERINE ST.
NGUYEN, THINH XUAN &
KIM BINH THAI H/W
BK. 16337, PG. 1657

TRACT 49
1965 ST CATHERINE ST.
WEATHERLY, GRETA
BK. 25012, PG. 3870

TRACT 47
1905 ST CATHERINE ST.
GRECARD, WAYNE E. &
MARY ANN H/W
BK. 08390, PG. 0556

MATCH LINE STA. 32+50 SEE SHEET S-9

MATCH LINE STA. 35+00 SEE SHEET S-11

ST. CATHERINE ST.

TRACT 54
1790 ST CATHERINE ST.
SULLIVAN, JOSEPH L. &
KRISTINE M. H/W
BK. 21146, PG. 2268

TRACT 55
1800 ST CATHERINE ST.
HORNSEY, TERRY S.
BK. 16039, PG. 1016

TRACT 56
1810 ST CATHERINE ST.
HANNON, GERARD P. &
JEANNE H/W
BK. 21139, PG. 867

TRACT 57
1820 ST CATHERINE ST.
DANA POINT
INVESTMENTS LLC
BK. 19866, PG. 127

TRACT 58
1830 ST CATHERINE ST.
POWERS, MICHAEL JOHN
BK. 20542, PG. 2475

CONCRETE APPROACH, 6"
(TYPE 5)

CONCRETE APPROACH, 6"
(TYPE 5)

CONCRETE SIDEWALK, 4"
(5' WIDE)

CONCRETE APPROACH, 6"
(TYPE 5)

CONCRETE VERTICAL CURB, 6"

CONCRETE APPROACH, 6"
(TYPE 5)

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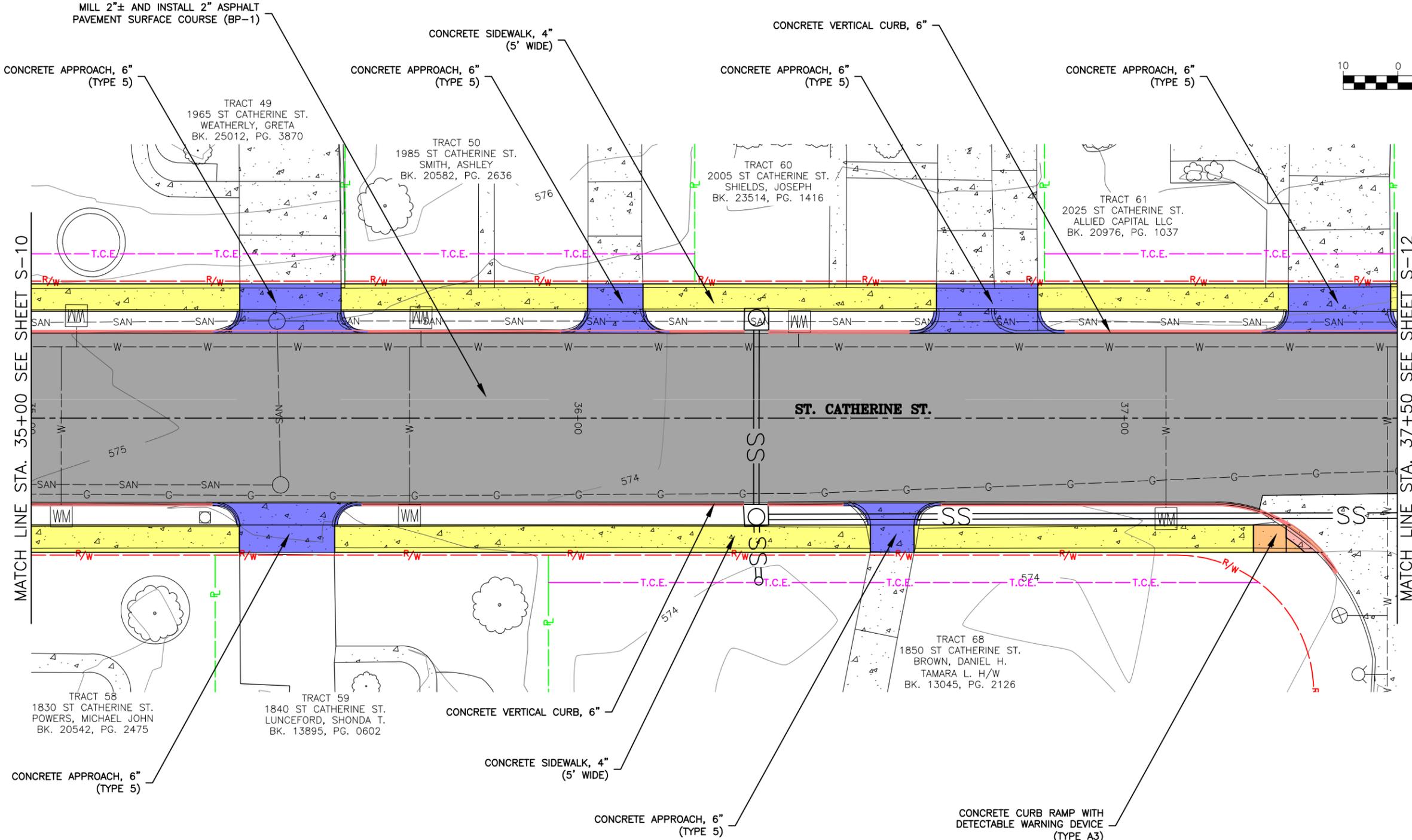
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SITE PLAN	S-10
DATE: _____	DATE: _____
DWN. BY: S.R.B.	APPD. BY: K.J.W.
DATE: JUNE 2025	
SCALE: 1" = 20'	
PROJ. NO: SC24-1648	
DWG. NO: _____	

SITE PLAN



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ENGINEERING CERTIFICATE OF AUTHORITY NUMBER - 2007006937
LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529

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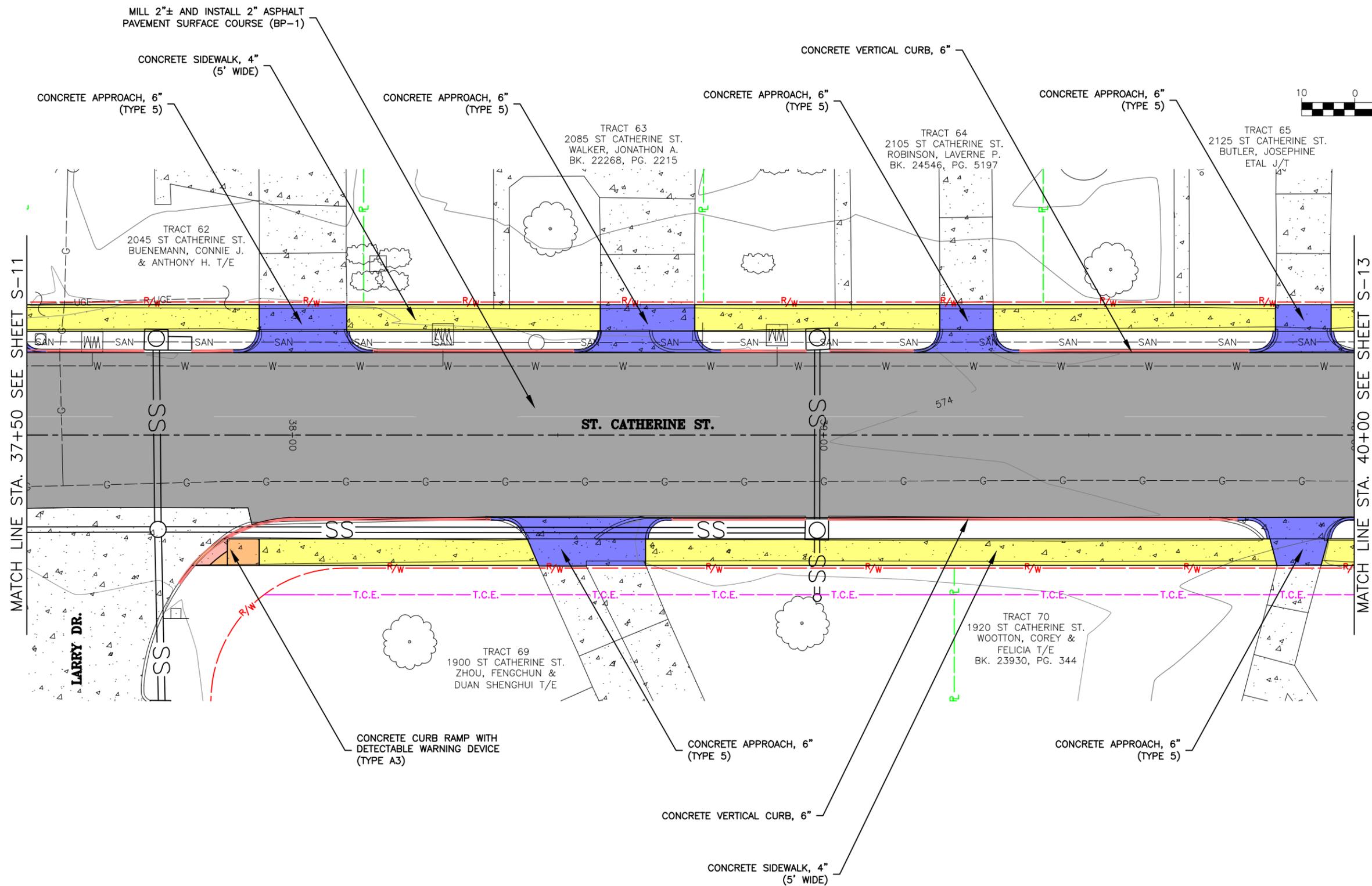
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ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

SITE PLAN	S-11
DATE: _____	REVISION: _____
DWN. BY: S.R.B.	APPD. BY: K.J.W.
DATE: JUNE 2025	
SCALE: 1" = 20'	
PROJ. NO: SC24-1648	
DWG. NO: _____	

Drawing name: U:\SC24-1648 St. Catherine St. STBG-5595(619), Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab. S-11 Plotted on: Jun 10, 2025 4:06pm Plotted by: abrooks

SITE PLAN



MATCH LINE STA. 37+50 SEE SHEET S-11

MATCH LINE STA. 40+00 SEE SHEET S-13

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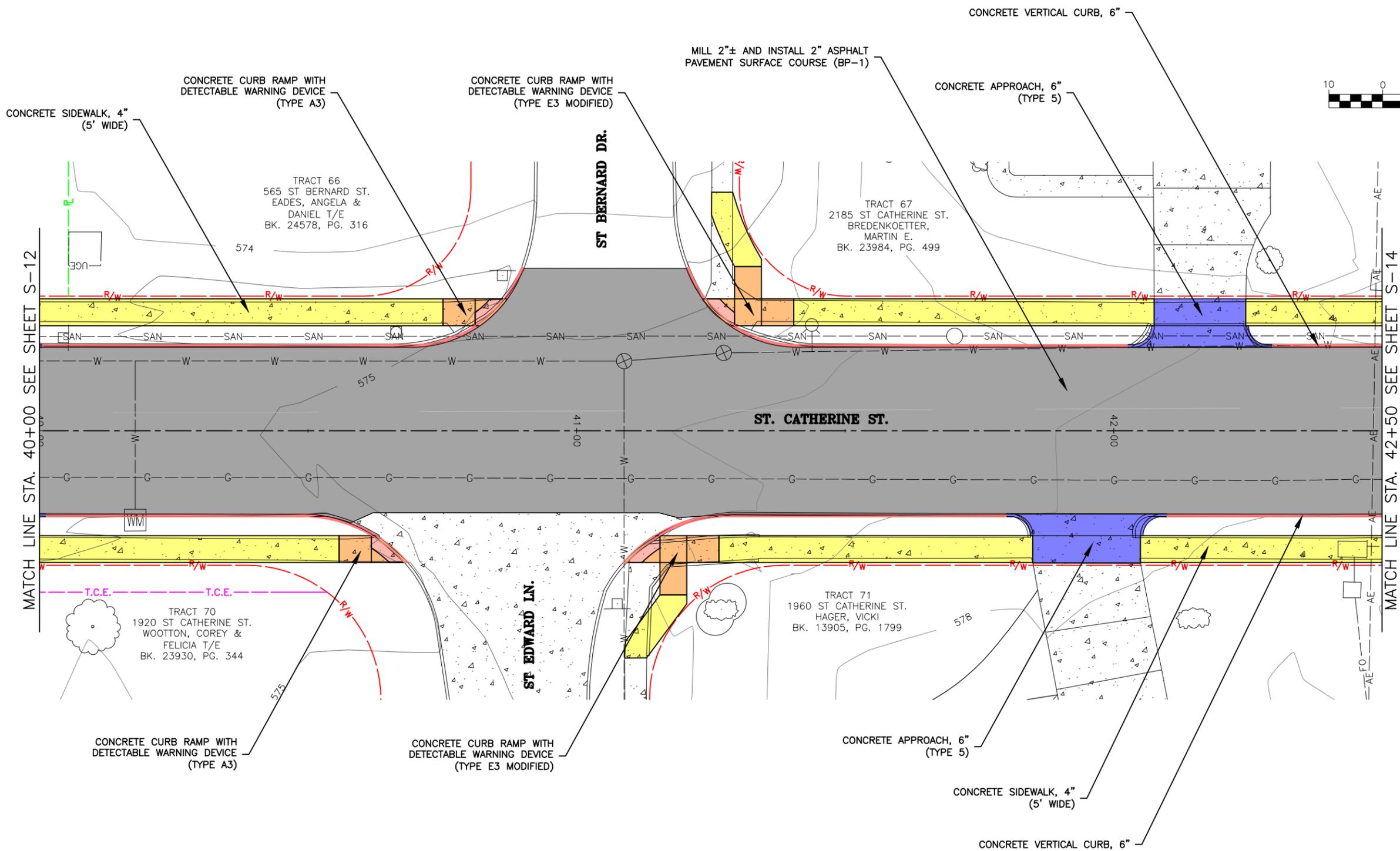
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 FEDERAL PROJECT NO. STBG-5595 (619)
 CITY OF FLORISSANT, MISSOURI

DATE:	REVISION:
DWN. BY: S.R.B.	APPD. BY: K.J.W.
DATE: JUNE 2025	
SCALE: 1" = 20'	
PROJ. NO: SC24-1648	
DWG. NO: S-12	

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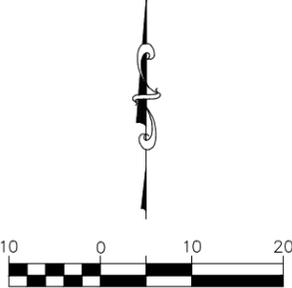
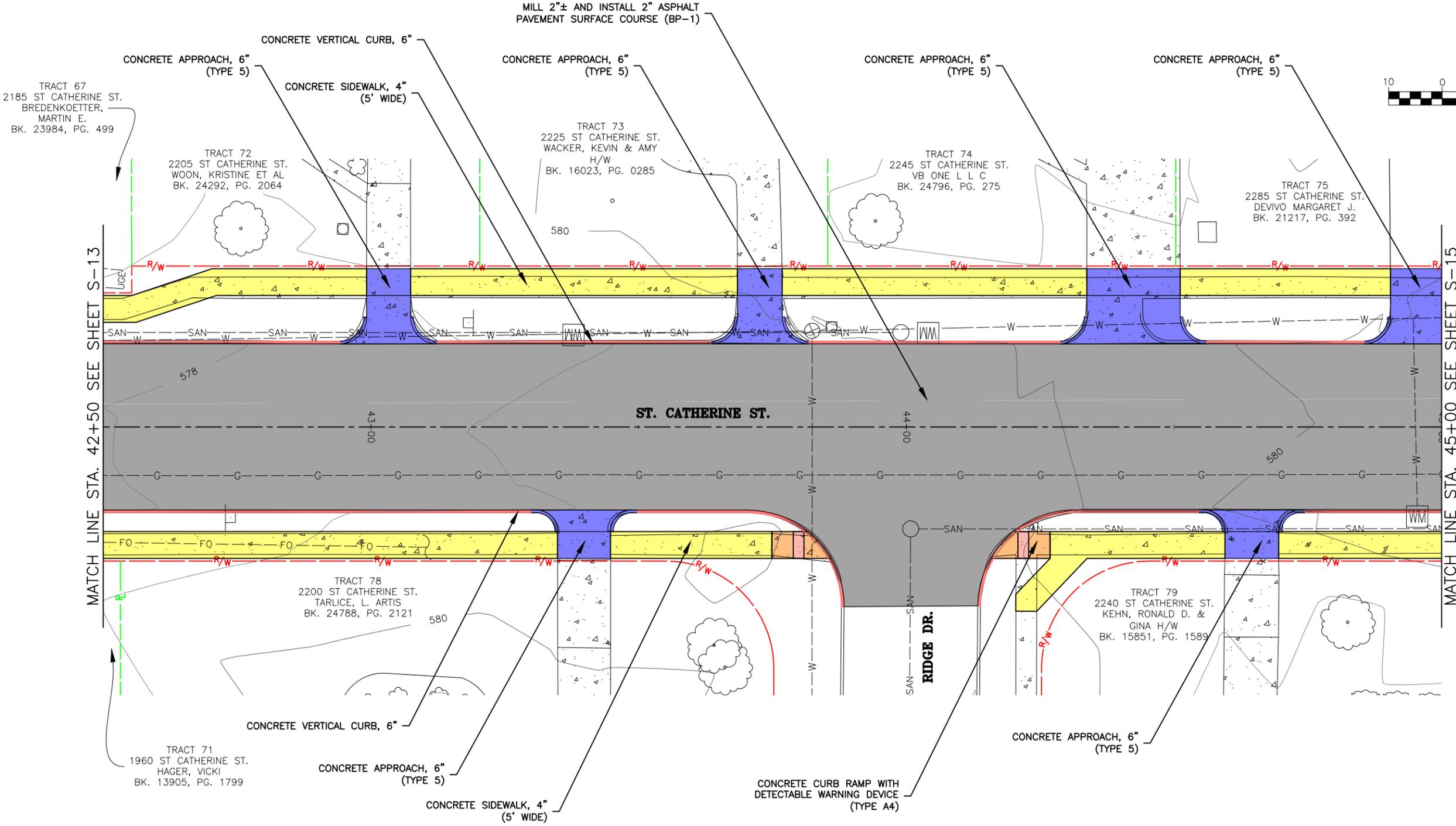
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FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI

DATE:	REVISION:
DWN. BY:	APPD. BY:
S.R.B.	K.J.W.
DATE:	JUNE 2025
SCALE:	1" = 20'
PROJ. NO.:	SC24-1648
DWG. NO.:	S-13

SITE PLAN



TRACT 67
2185 ST CATHERINE ST.
BREDEKOEETTER,
MARTIN E.
BK. 23984, PG. 499

TRACT 72
2205 ST CATHERINE ST.
WOON, KRISTINE ET AL
BK. 24292, PG. 2064

TRACT 73
2225 ST CATHERINE ST.
WACKER, KEVIN & AMY
H/W
BK. 16023, PG. 0285

TRACT 74
2245 ST CATHERINE ST.
VB ONE L L C
BK. 24796, PG. 275

TRACT 75
2285 ST CATHERINE ST.
DEVIVO MARGARET J.
BK. 21217, PG. 392

TRACT 78
2200 ST CATHERINE ST.
TARLICE, L. ARTIS
BK. 24788, PG. 2121

TRACT 79
2240 ST CATHERINE ST.
KEHN, RONALD D. &
GINA H/W
BK. 15851, PG. 1589

TRACT 71
1960 ST CATHERINE ST.
HAGER, VICKI
BK. 13905, PG. 1799

MATCH LINE STA. 42+50 SEE SHEET S-13

MATCH LINE STA. 45+00 SEE SHEET S-15

ST. CATHERINE ST.

RIDGE DR.

Drawing name: I:\SC24-1648 St. Catherine St. STBG-5595(619), Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab: S-14 Plotted on: Jun 10, 2025 4:06pm Plotted by: sbrooks

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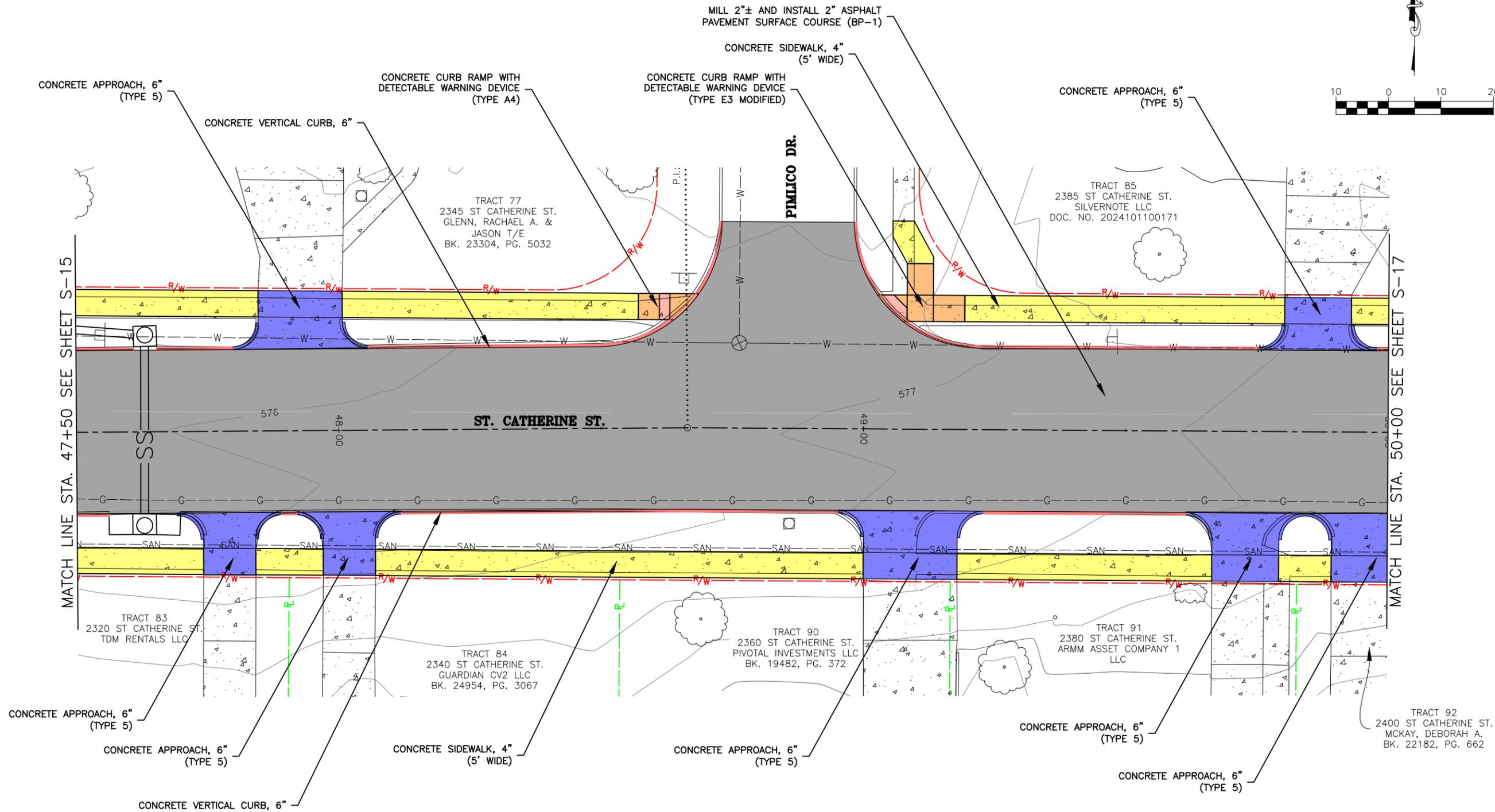
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FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

SITE PLAN	S-14
DATE: _____	REVISION: _____
DWN. BY: S.R.B.	APPD. BY: K.J.W.
DATE: JUNE 2025	
SCALE: 1" = 20'	
PROJ. NO: SC24-1648	
DWG. NO: _____	

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 LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529

PRELIMINARY
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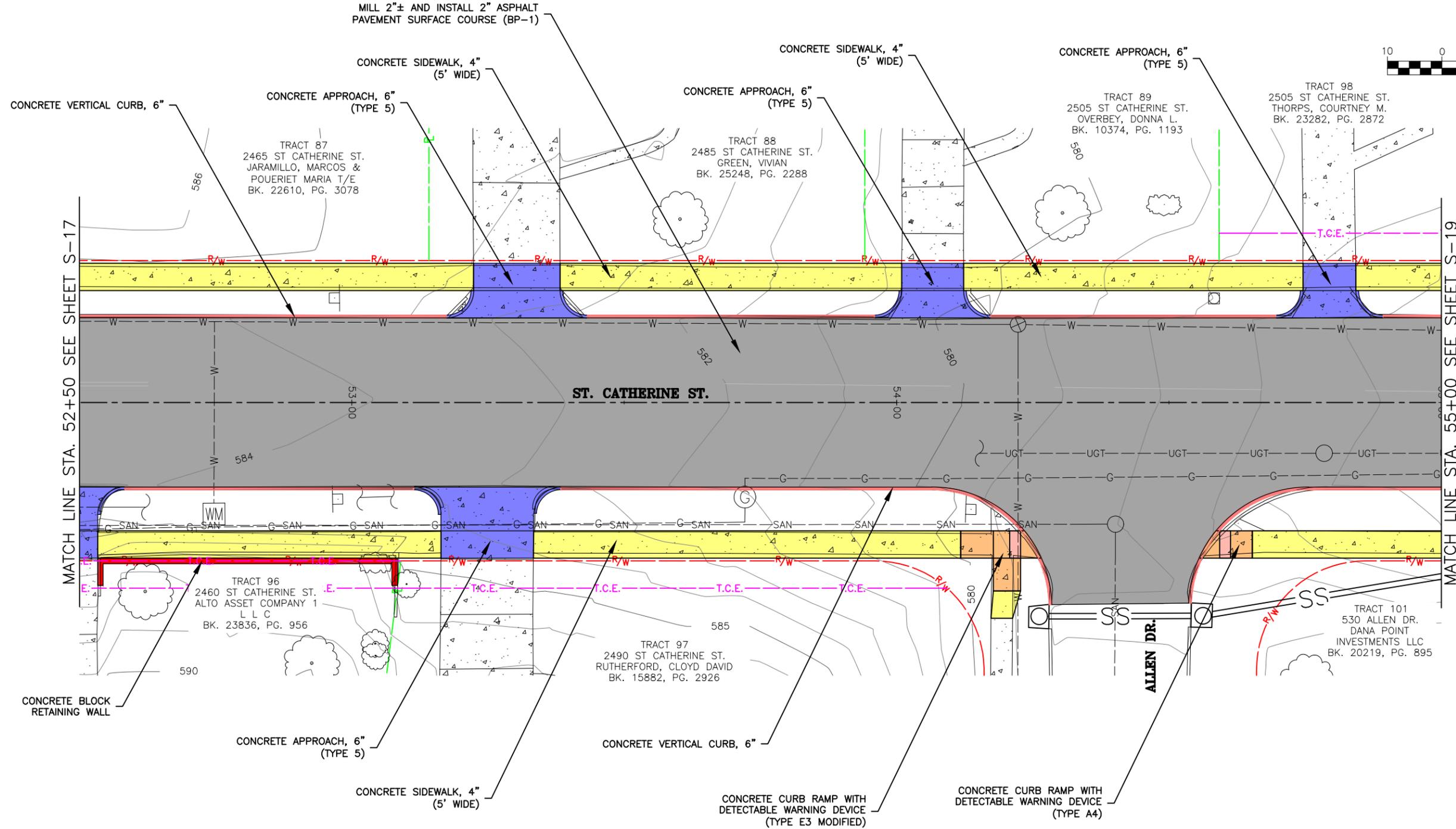
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FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI

DATE:	REVISION:
DWN. BY:	APPD. BY:
S.R.B.	K.J.W.
DATE:	
JUNE 2025	
SCALE:	
1" = 20'	
PROJ. NO.:	
SC24-1648	
DWG. NO.:	
S-16	

Drawing name: I:\SC24-1648 St. Catherine St. STBG-5595(619). Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab: S-16 Plotted on: Jun 10, 2025 4:06pm Plotted by: sbrooks

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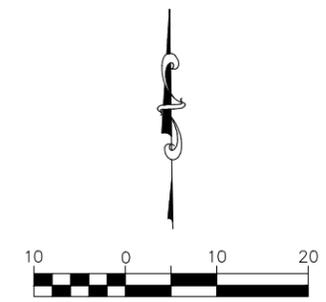
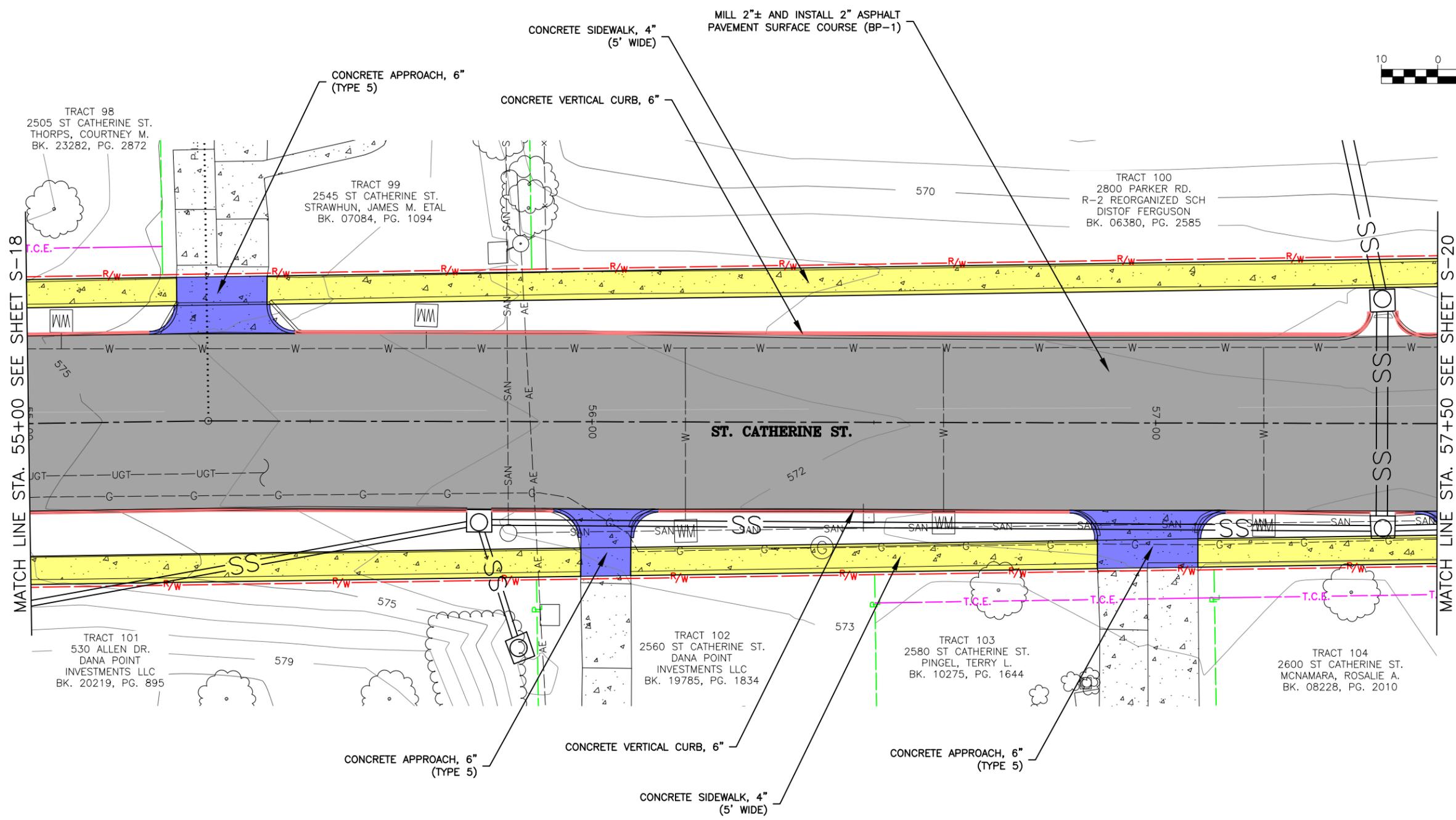
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FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI

SITE PLAN	S-18
DATE: _____	REVISION: _____
DWN. BY: S.R.B.	APPD. BY: K.J.W.
DATE: JUNE 2025	
SCALE: 1" = 20'	
PROJ. NO: SC24-1648	
DWG. NO: _____	

Drawing name: I:\SC24-1648 St. Catherine St. STBG-5595(619), Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab: S-18 Plotted on: Jun 10, 2025 4:06pm Plotted by: sbrooks

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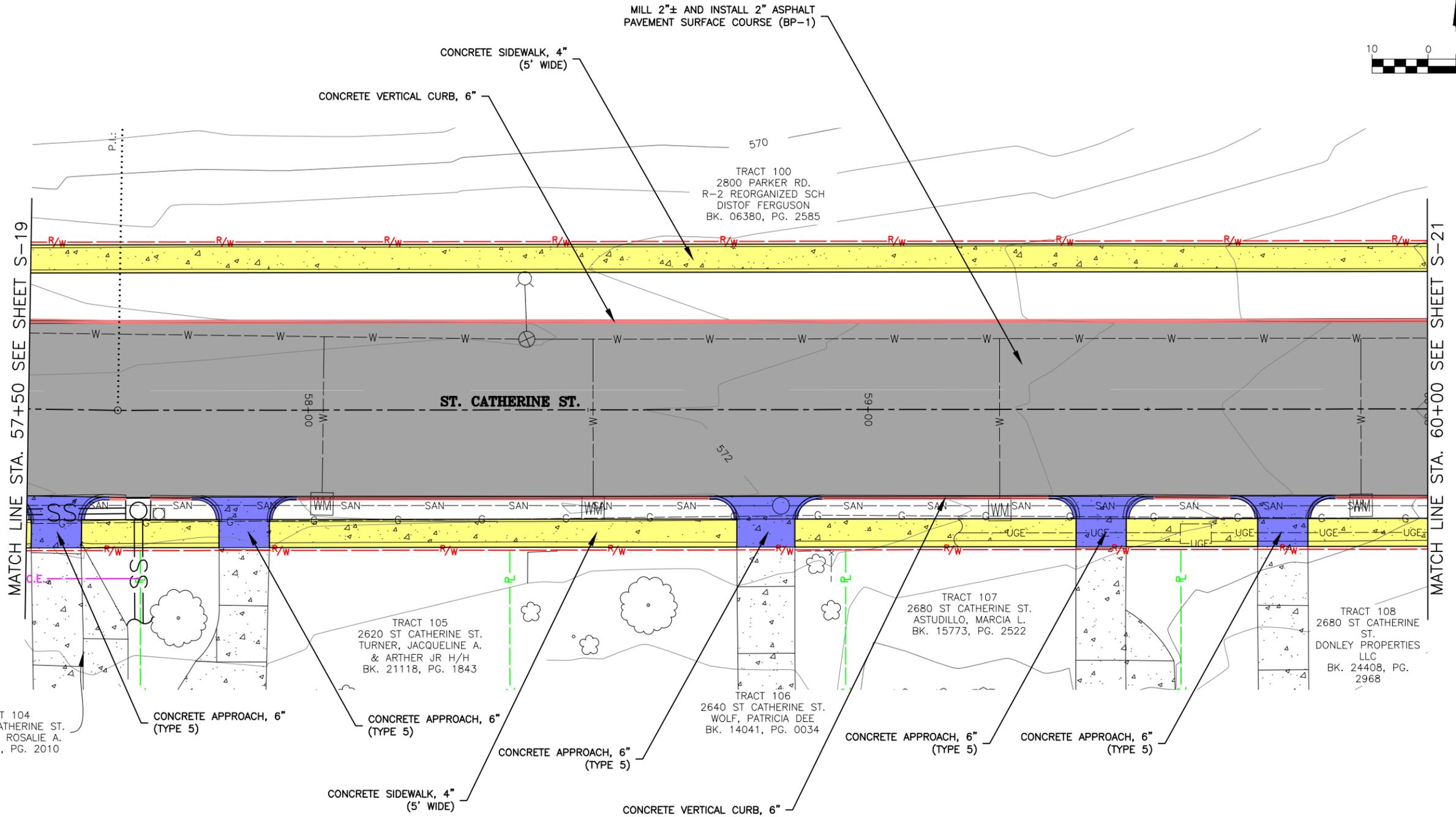
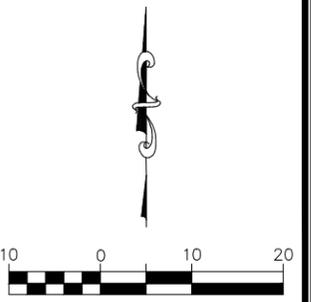
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FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

DATE:	REVISION:
DWN BY:	APPD BY:
DATE:	DATE:
SCALE:	PROJ. NO.:
	DWG. NO.:
S-19	

Drawing name: I:\SC24-1648 St. Catherine St. STBG-5595(619), Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab: S-19 Plotted on: Jun 10, 2025 4:06pm Plotted by: sbrooks

SITE PLAN



MATCH LINE STA. 57+50 SEE SHEET S-19

MATCH LINE STA. 60+00 SEE SHEET S-21

ST. CATHERINE ST.

MILL 2"± AND INSTALL 2" ASPHALT PAVEMENT SURFACE COURSE (BP-1)

CONCRETE SIDEWALK, 4" (5' WIDE)

CONCRETE VERTICAL CURB, 6"

CONCRETE APPROACH, 6" (TYPE 5)

CONCRETE APPROACH, 6" (TYPE 5)

CONCRETE SIDEWALK, 4" (5' WIDE)

CONCRETE APPROACH, 6" (TYPE 5)

CONCRETE VERTICAL CURB, 6"

CONCRETE APPROACH, 6" (TYPE 5)

CONCRETE APPROACH, 6" (TYPE 5)

TRACT 100
2800 PARKER RD.
R-2 REORGANIZED SCH
DIST OF FERGUSON
BK. 06380, PG. 2585

TRACT 105
2620 ST CATHERINE ST.
TURNER, JACQUELINE A.
& ARTHUR JR H/H
BK. 21118, PG. 1843

TRACT 106
2640 ST CATHERINE ST.
WOLF, PATRICIA DEE
BK. 14041, PG. 0034

TRACT 107
2680 ST CATHERINE ST.
ASTUDILLO, MARCIA L.
BK. 15773, PG. 2522

TRACT 108
2680 ST CATHERINE ST.
DONLEY PROPERTIES LLC
BK. 24408, PG. 2968

TRACT 104
2600 ST CATHERINE ST.
MCNAMARA, ROSALIE A.
BK. 08228, PG. 2010

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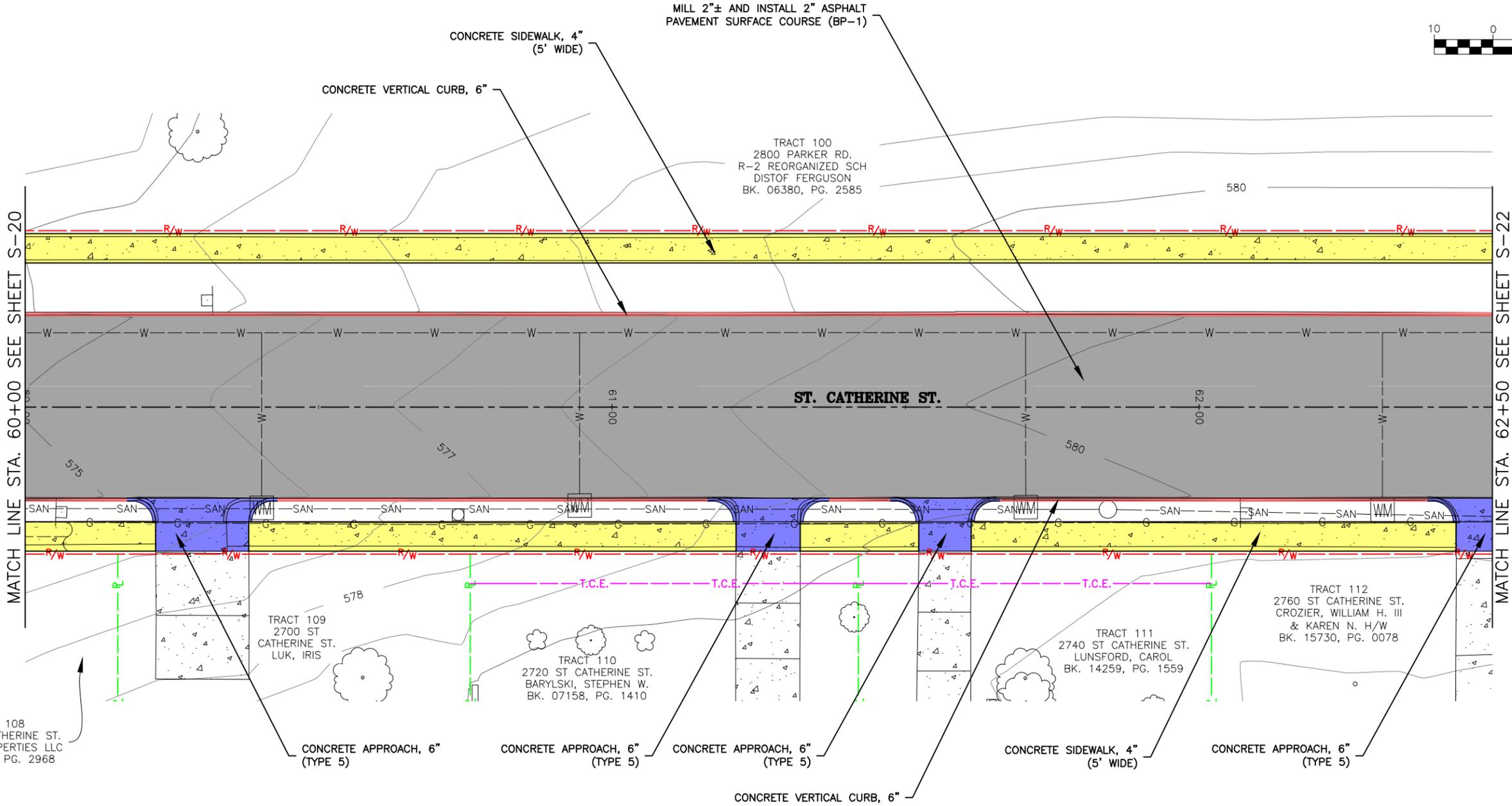
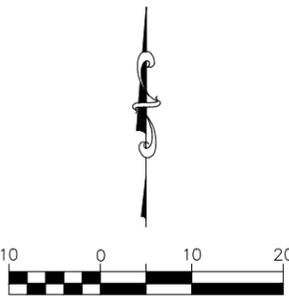
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ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI

DATE:	REVISION:
DWN. BY:	APPD. BY:
DATE:	DATE:
SCALE:	SCALE:
PROJ. NO.:	PROJ. NO.:
DWG. NO.:	DWG. NO.:
S-20	

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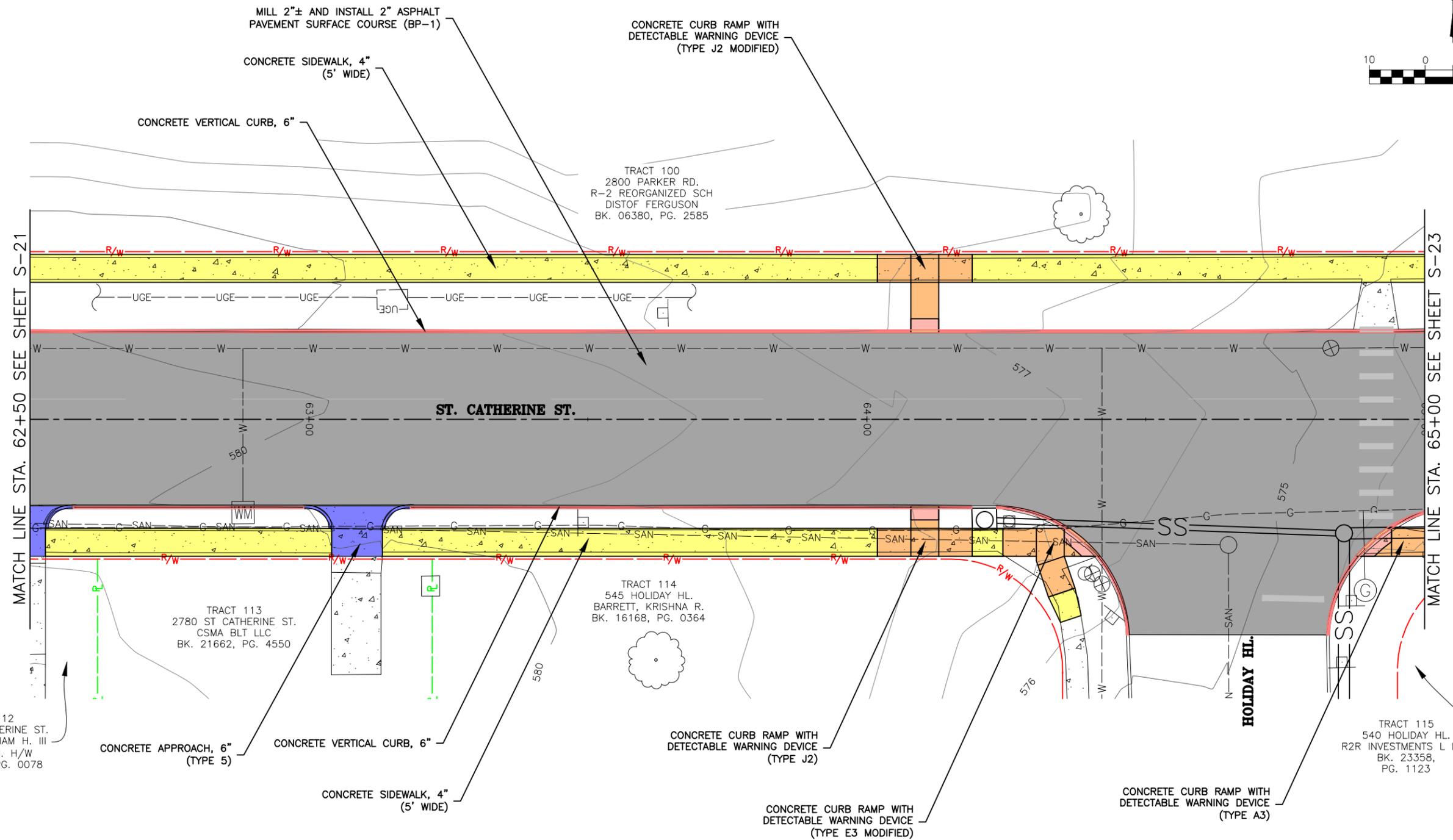
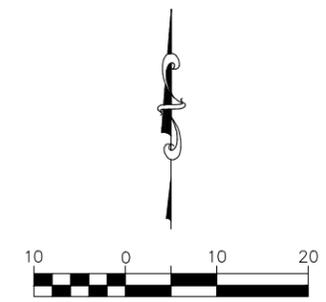
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FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

SITE PLAN	S-21
DATE: _____	REVISION: _____
DWN. BY: S.R.B.	APPD. BY: K.J.W.
DATE: JUNE 2025	
SCALE: 1" = 20'	
PROJ. NO: SC24-1648	
DWG. NO: _____	

Drawing name: I:\SC24-1648 St. Catherine St. STBG-5595(619), Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab. S-21 Plotted on: Jun 10, 2025 - 4:06pm Plotted by: sbrooks

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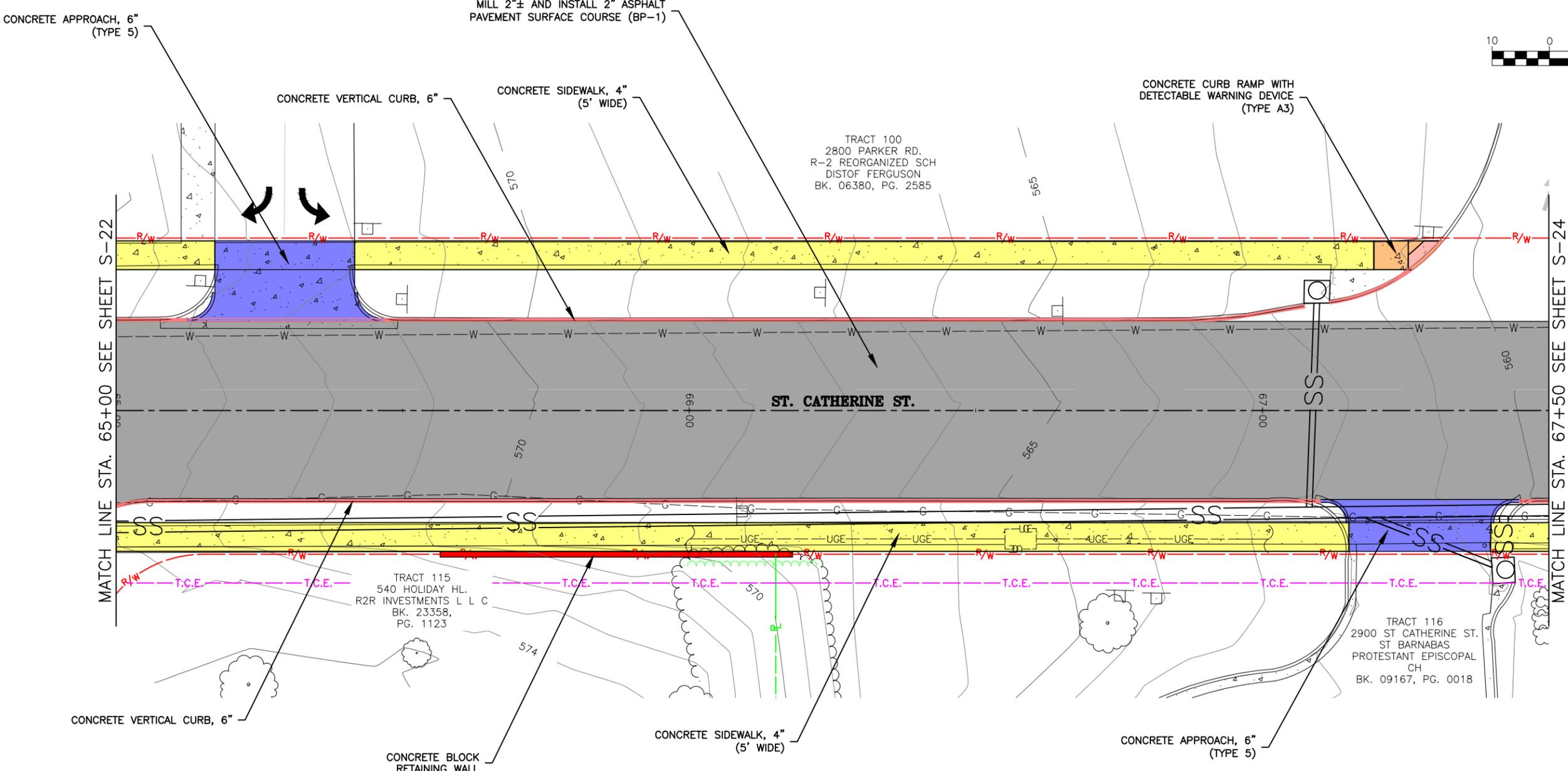
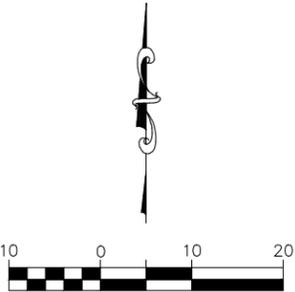
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CITY OF FLORISSANT, MISSOURI

DATE:	REVISION:
DWN. BY: S.R.B.	APPD. BY: K.J.W.
DATE: JUNE 2025	
SCALE: 1" = 20'	
PROJ. NO: SC24-1648	
DWG. NO: S-22	

Drawing name: I:\SC24-1648 St. Catherine St. STBG-5595(619). Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab. S-22 Plotted on: Jun 10, 2025 - 4:06pm Plotted by: abrooks

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LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529

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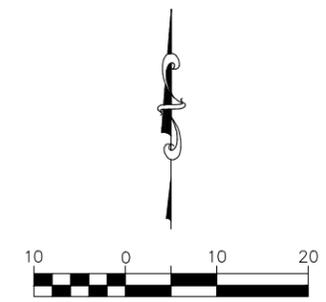
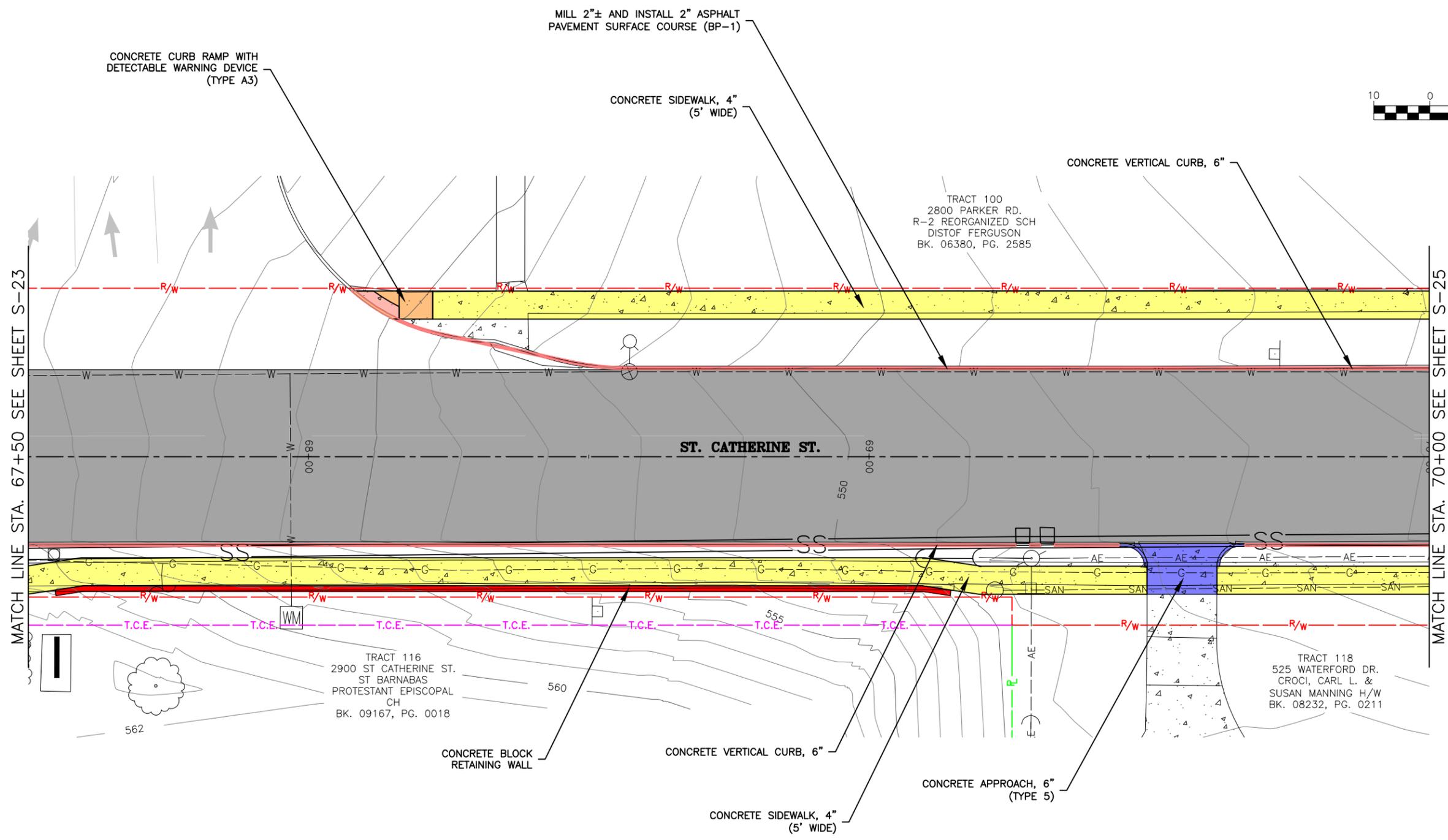
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FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

<small>DATE:</small>	<small>REVISION:</small>
<small>DWN. BY:</small> S.R.B.	<small>APP'D. BY:</small> K.J.W.
<small>DATE:</small> JUNE 2025	
<small>SCALE:</small> 1" = 20'	
<small>PROJ. NO.:</small> SC24-1648	
<small>DWG. NO.:</small> S-23	

Drawing name: I:\SC24-1648 St. Catherine St. STBG-5595(619). Florissant, MO\AUTOCAD DRAWINGS\SITE PLAN.dwg Tab: S-23 Plotted on: Jun 10, 2025 - 4:06pm Plotted by: sbrooks

SITE PLAN



MILL 2"± AND INSTALL 2" ASPHALT PAVEMENT SURFACE COURSE (BP-1)

CONCRETE CURB RAMP WITH DETECTABLE WARNING DEVICE (TYPE A3)

CONCRETE SIDEWALK, 4" (5' WIDE)

CONCRETE VERTICAL CURB, 6"

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2800 PARKER RD.
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DIST OF FERGUSON
BK. 06380, PG. 2585

ST. CATHERINE ST.

TRACT 116
2900 ST CATHERINE ST.
ST BARNABAS
PROTESTANT EPISCOPAL
CH
BK. 09167, PG. 0018

TRACT 118
525 WATERFORD DR.
CROCI, CARL L. &
SUSAN MANNING H/W
BK. 08232, PG. 0211

CONCRETE BLOCK RETAINING WALL

CONCRETE VERTICAL CURB, 6"

CONCRETE APPROACH, 6" (TYPE 5)

CONCRETE SIDEWALK, 4" (5' WIDE)

MATCH LINE STA. 67+50 SEE SHEET S-23

MATCH LINE STA. 70+00 SEE SHEET S-25

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FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI

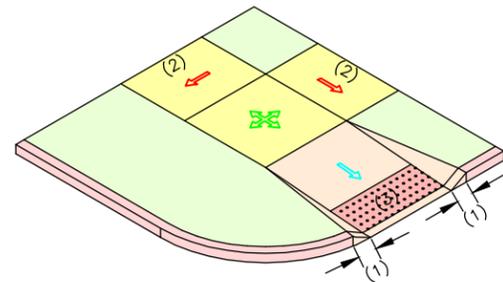
DATE:	REVISION:
DWN. BY: S.R.B.	APPD. BY: K.J.W.
DATE: JUNE 2025	
SCALE: 1" = 20'	
PROJ. NO: SC24-1648	
DWG. NO: S-24	

LEGEND

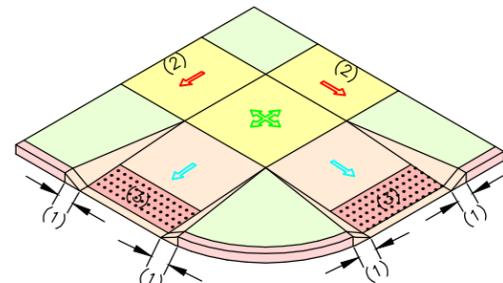
-  1.0% MIN., 2.0% MAX. CROSS SLOPE.
-  LANDING AREA. MIN. 5' X 5' WITH 1.0% MIN., 2.0% MAX. SLOPE IN ANY DIRECTION.
-  MAX. RAMP SLOPE IS 1V:12H (8.33%) AND HAVE A CROSS SLOPE OF 1.0% MIN., 2.0% MAX.
-  DETECTABLE WARNING DEVICE. EXTEND 2' IN DIRECTION OF TRAVEL.

KEYED NOTES

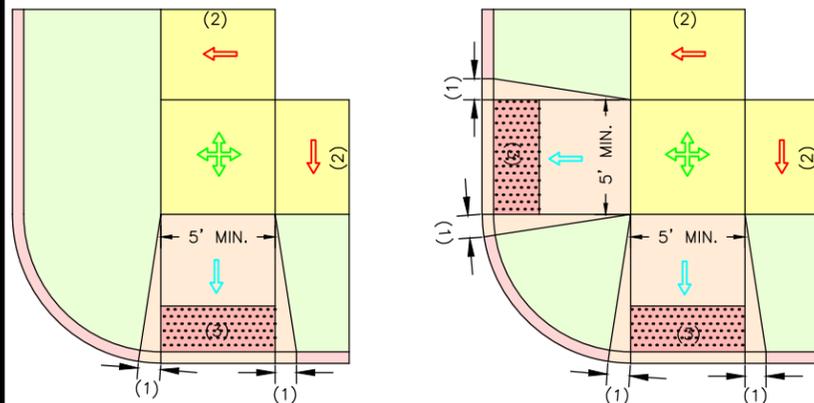
- (1) 1' OR VERTICAL CURB AS DIRECTED BY THE ENGINEER. IF TRAVERSABLE, MAX. SLOPE IS 1V:10H WHEN MEASURED PARALLEL TO CURB LINE.
- (2) SEE PLAN SHEETS FOR WIDTH. SIDEWALKS AT CURB SHALL BE A MINIMUM OF 6' WIDE AND SIDEWALKS WITH A TREE LAWN SHALL BE A MINIMUM OF 5', WIDE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- (3) DETECTABLE WARNING DEVICES ARE NOT USED ON EVERY CURB RAMP INSTALLED. SEE SITE PLAN FOR LOCATIONS WITH DETECTABLE WARNING DEVICES.
- (4) TRANSITION AREA SLOPE TO BE MAXIMUM OF 5.0% OR MATCH STREET GRADE. SLOPES SHALL NOT CREATE AN AREA THAT HOLDS WATER.



TYPE A1



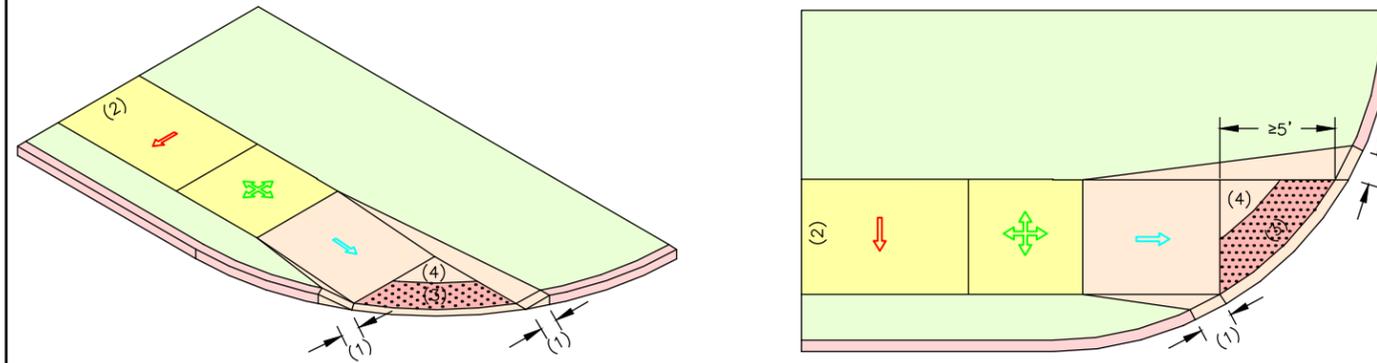
TYPE A2



TYPE A1

TYPE A2

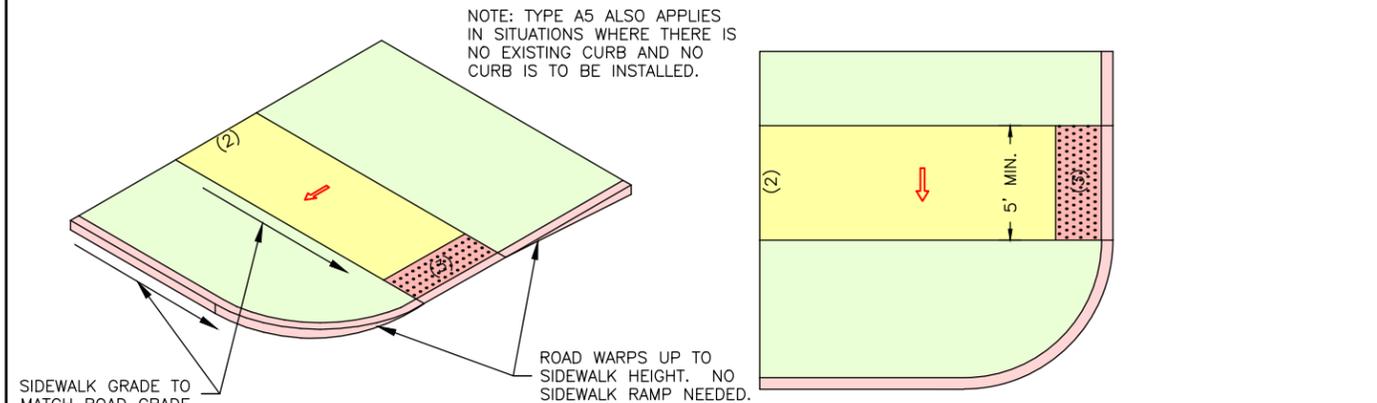
TYPE A1 AND A2 CURB RAMP PERPENDICULAR WITH TREE LAWN (6' OR GREATER)
NO SCALE



TYPE A3 CURB RAMP PERPENDICULAR WITH TREE LAWN LARGE RADIUS
NO SCALE



TYPE A4 CURB RAMP PERPENDICULAR WITH TREE LAWN, SMALL RADIUS
NO SCALE



NOTE: TYPE A5 ALSO APPLIES IN SITUATIONS WHERE THERE IS NO EXISTING CURB AND NO CURB IS TO BE INSTALLED.

ROAD WARPS UP TO SIDEWALK HEIGHT. NO SIDEWALK RAMP NEEDED.

TYPE A5 CURB RAMP PERPENDICULAR WITH TREE LAWN, NO RAMP
NO SCALE

CURB RAMP GENERAL NOTES:

ALL AREAS OF THE PEDESTRIAN ACCESS ROUTE MUST BE COMPLIANT WITH THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)". EXCEPTIONS MUST BE APPROVED BY THE ENGINEER.

FINISHED SIDEWALK SHALL BE STABLE, SLIP RESISTANT AND SURFACE DOES NOT POND WATER.

SIDEWALK AND RAMP CROSS SLOPES SHALL BE A MINIMUM OF 1.0% TO FACILITATE DRAINAGE AND A MAXIMUM OF 2.0% TO BE USABLE FOR DISABLED INDIVIDUALS.

STORMWATER INLETS, SIGNS, POSTS, MANHOLE COVERS, PULL BOXES AND OTHER ACCESS LIDS SHOULD BE AVOIDED WITHIN THE SIDEWALK. IF SUCH A LOCATION IS NECESSARY, THE FEATURE MUST MEET ADA STANDARDS.

THE RUNNING GRADE OF A SIDEWALK SHALL NOT EXCEED 5.0% UNLESS IT IS MATCHING THE GRADE OF THE ADJACENT ROADWAY.

ALL RAMP SLOPES SHALL NOT HAVE RUNNING SLOPES GREATER THAN 8.33% OR 1V:12H. RAMP LENGTH NOT REQUIRED TO EXCEED 15 FEET.

PEDESTRIAN ACCESS ROUTE SHALL CONTINUE ACROSS DRIVEWAYS.

LANDINGS SHALL BE CONSTRUCTED AT THE TOP AND/OR BOTTOM OF A CURB RAMP WHEREVER A TURNING MOVEMENT OR ACCESS TO PEDESTRIAN PUSH BUTTON IS REQUIRED.

LANDINGS LOCATED IN THE ROADWAY MUST BE COMPLETELY CONTAINED WITHIN THE CROSSWALK.

SIDE FLARES OF CURB RAMP, IN THE PATH OF PEDESTRIAN TRAVEL (TRAVERSABLE), SHALL NOT EXCEED A SLOPE OF 1V:10H. SIDE FLARES OUTSIDE THE PEDESTRIAN PATH (NONTRAVERSABLE) MAY BE 1V:2H OR VERTICAL.

TRANSITION FROM SIDEWALK TO GUTTER TO ROADWAY MUST BE FLUSH.

DETECTABLE WARNING DEVICE (TRUNCATED DOMES) SHALL BE PRE-FORMED AND INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS, AT PUBLIC STREET INTERSECTIONS AND ANY SIGNALIZED INTERSECTIONS. STAMPED CONCRETE WILL NOT BE ACCEPTED.

THE DETECTABLE WARNING DEVICE SHALL BE RED. TRUNCATED DOMES SHALL SPAN THE FULL WIDTH (WITHIN 2") OF THE RAMP OR LANDING.

DETECTABLE WARNING DOMES SHALL BE ALIGNED PARALLEL TO THE SLOPE WHEN INSTALLED ON A RAMP. WHEN INSTALLED ON A LANDING OR BLENDED TRANSITION, THEY SHALL BE ALIGNED PERPENDICULAR OR RADIAL TO THE BREAK BETWEEN THE RAMP, LANDING OR BLENDED TRANSITION AND THE STREET.

IF CONSTRUCTION OF 5' X 5' LANDING IS NOT FEASIBLE, 4' X 4' LANDING MAY BE USED WITH APPROVAL FROM THE ENGINEER.

RAMP WIDTH MAY BE REDUCED TO 4' WITH APPROVAL OF THE ENGINEER.

CURB RAMP AND INTEGRAL CURBS THAT ARE PART OF RAMP SHALL BE INCLUDED IN THE UNIT BID PRICE FOR CONCRETE SIDEWALK.

THE CONTRACTOR SHALL IDENTIFY THE REMOVAL LIMITS FOR THE SIDEWALK AND CURB. IF THE CONTRACTOR DETERMINES THE REMOVAL LIMITS ARE NOT ADEQUATE TO MEET ADA STANDARDS, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONSULT THE ENGINEER TO DETERMINE THE BEST SOLUTION.

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FENTON, MISSOURI 63026

ENGINEERING CERTIFICATE OF AUTHORITY NUMBER - 2007006937
LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529

PRELIMINARY
NOT FOR CONSTRUCTION

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ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI

SIDEWALK AND RAMP DETAILS

DATE:	REVISION:
DWN. BY:	APPD. BY:
S.R.B.	K.J.W.
DATE:	
JUNE 2025	
SCALE:	
AS SHOWN	
PROJ. NO.:	
SC24-1648	
DWG. NO.:	
DE-3	

LEGEND

-  1.0% MIN., 2.0% MAX. CROSS SLOPE.
-  LANDING AREA. MIN. 5' X 5' WITH 1.0% MIN., 2.0% MAX. SLOPE IN ANY DIRECTION.
-  MAX. RAMP SLOPE IS 1V:12H (8.33%) AND HAVE A CROSS SLOPE OF 1.0% MIN., 2.0% MAX.
-  DETECTABLE WARNING DEVICE. EXTEND 2' IN DIRECTION OF TRAVEL.

KEYED NOTES

- (1) VARIABLE CURB HEIGHT. CURB MAY BE ELIMINATED IF UNNECESSARY AND APPROVED BY THE ENGINEER
- (2) SEE PLAN SHEETS FOR WIDTH. SIDEWALKS AT CURB SHALL BE A MINIMUM OF 6' WIDE AND SIDEWALKS WITH A TREE LAWN SHALL BE A MINIMUM OF 5', WIDE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- (3) FLARE MAX. SLOPE IS 1V:10H WHEN MEASURED PARALLEL TO CURB LINE.
- (4) CURB HEIGHT BETWEEN THE FLARES MAY RANGE BETWEEN 3" AND 6" AS NECESSARY WITH APPROVAL FROM THE ENGINEER.
- (5) CHAMFER CORNERS AT 45 DEGREE ANGLE.
- (6) 1' WIDE FLARE MAY BE SUBSTITUTED FOR VERTICAL CURB AT THE DISCRETION OF THE ENGINEER FOR NO ADDITION COST.
- (7) DETECTABLE WARNING DEVICES ARE NOT USED ON EVERY CURB RAMP INSTALLED. SEE SITE PLAN FOR LOCATIONS WITH DETECTABLE WARNING DEVICES.

CURB RAMP GENERAL NOTES:

ALL AREAS OF THE PEDESTRIAN ACCESS ROUTE MUST BE COMPLIANT WITH THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)". EXCEPTIONS MUST BE APPROVED BY THE ENGINEER.

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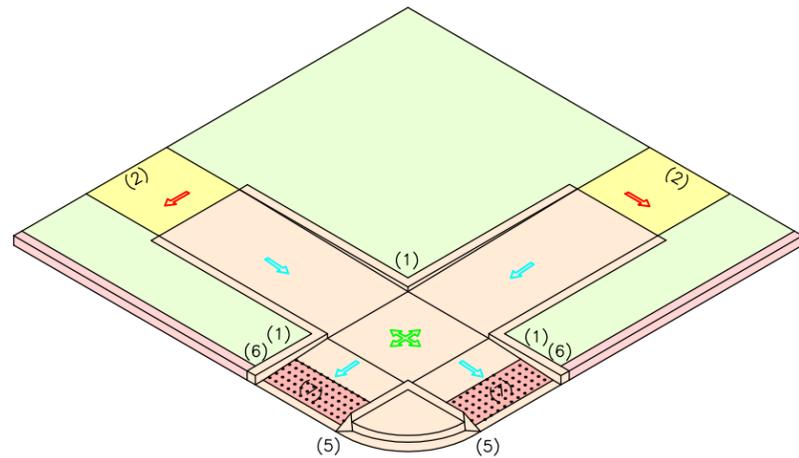
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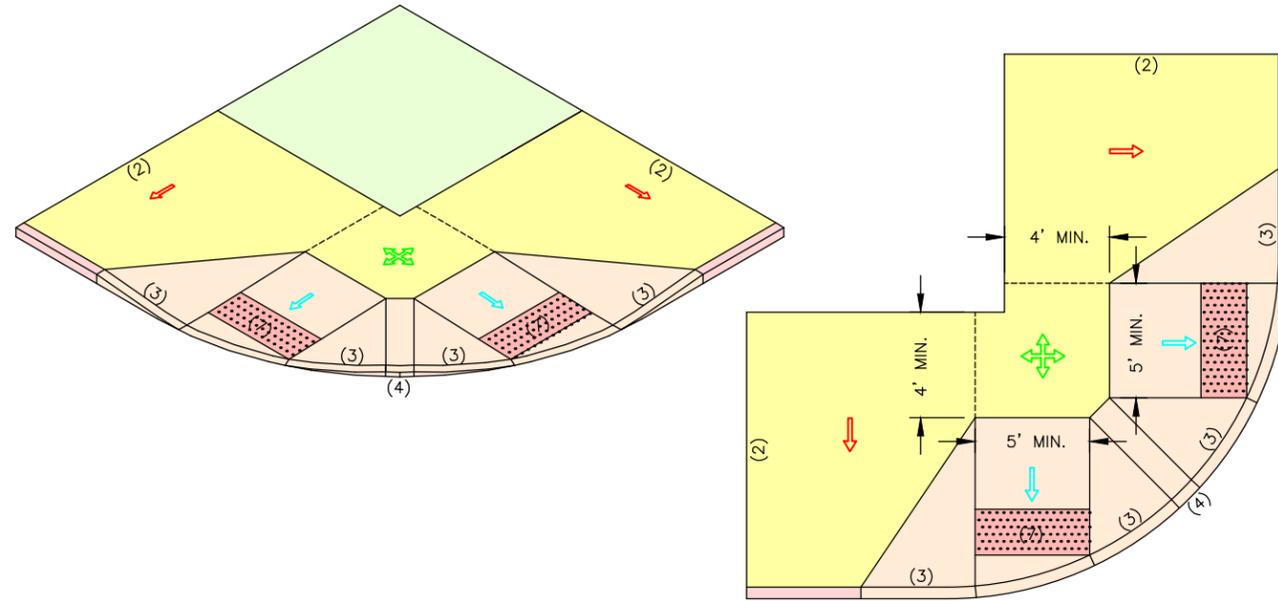
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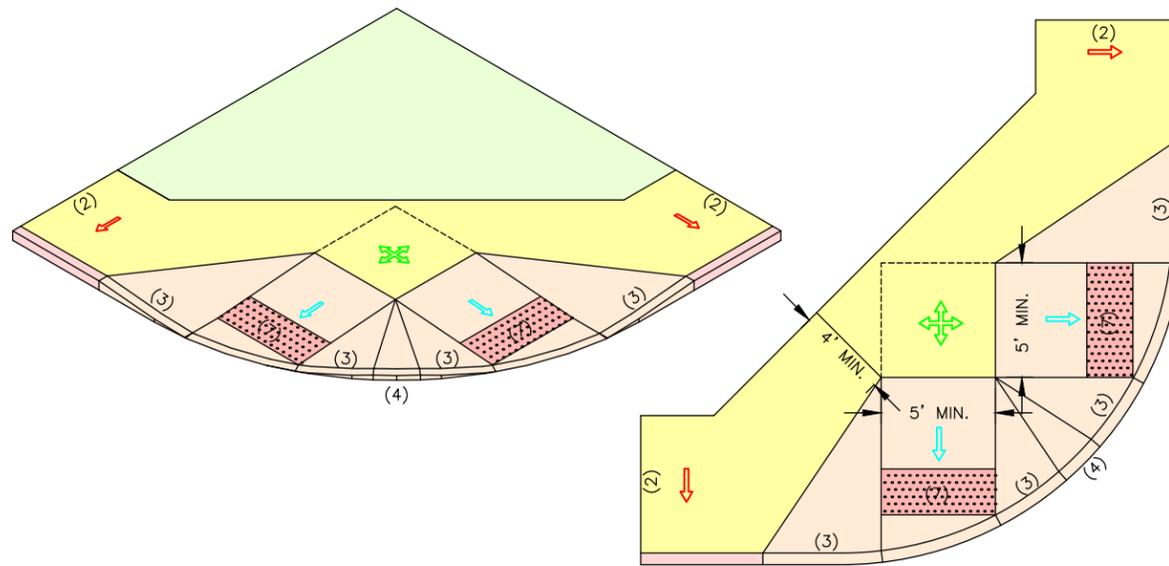
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TYPE A6 CURB RAMP
PERPENDICULAR WITH SMALL TREE LAWN
(LESS THAN 6')
 NO SCALE



TYPE B1 CURB RAMP
PERPENDICULAR, FOR WIDE
SIDEWALK, NO TREE LAWN
 NO SCALE



TYPE B2 CURB RAMP
PERPENDICULAR, FOR NARROW
SIDEWALK, NO TREE LAWN
 NO SCALE

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ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

DATE	REVISION	DWN. BY	APPD. BY
		S.R.B.	K.J.W.
DATE: JUNE 2025			
SCALE: AS SHOWN			
PROJ. NO: SC24-1648			
DWG. NO: DE-4			

LEGEND

-  1.0% MIN., 2.0% MAX. CROSS SLOPE.
-  LANDING AREA. MIN. 5' X 5' WITH 1.0% MIN., 2.0% MAX. SLOPE IN ANY DIRECTION.
-  MAX. RAMP SLOPE IS 1V:12H (8.33%) AND HAVE A CROSS SLOPE OF 1.0% MIN., 2.0% MAX.
-  DETECTABLE WARNING DEVICE. EXTEND 2' IN DIRECTION OF TRAVEL.

KEYED NOTES

- (1) VARIABLE CURB HEIGHT. CURB MAY BE ELIMINATED IF UNNECESSARY AND APPROVED BY THE ENGINEER.
- (2) TRANSITION AREA SLOPE TO BE MAXIMUM OF 5.0% OR MATCH STREET GRADE. SLOPES SHALL NOT CREATE AN AREA THAT HOLDS WATER.
- (3) SEE PLAN SHEETS FOR WIDTH. SIDEWALKS AT CURB SHALL BE A MINIMUM OF 6' WIDE AND SIDEWALKS WITH A TREE LAWN SHALL BE A MINIMUM OF 5' WIDE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- (4) FLARE MAX. SLOPE IS 1V:10H WHEN MEASURED PARALLEL TO CURB LINE.
- (5) ENSURE THAT INSIDE EDGE OF CURVED RAMPS MAINTAIN A 1V:12H (8.33%) MAX. SLOPE.
- (6) ENSURE ADEQUATE DRAINAGE OF LANDING AREA. SLOPES SHALL NOT CREATE A LANDING AREA THAT HOLDS WATER.
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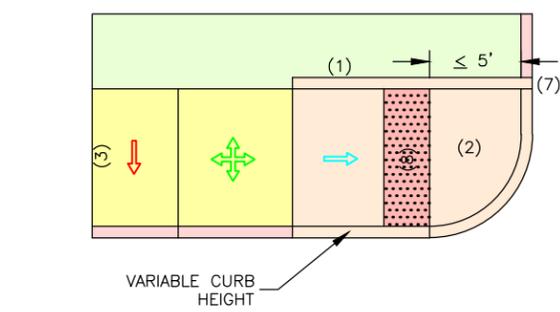
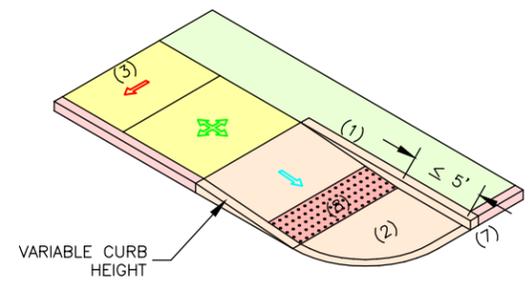
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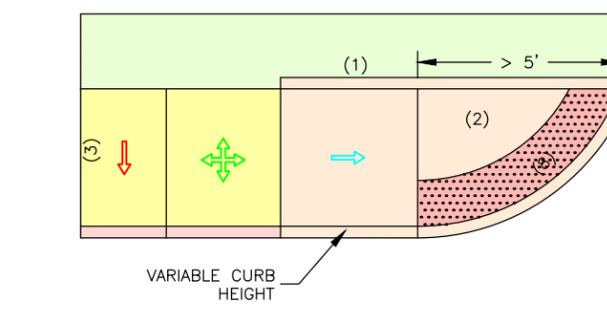
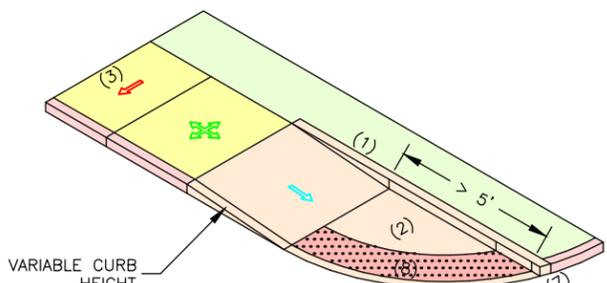
ST. CATHERINE STREET IMPROVEMENTS
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SIDEWALK AND RAMP DETAILS

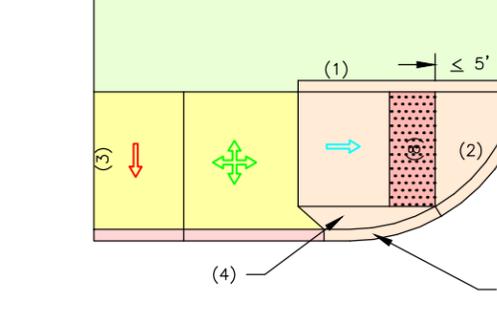
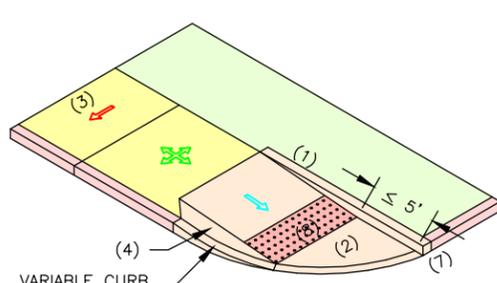
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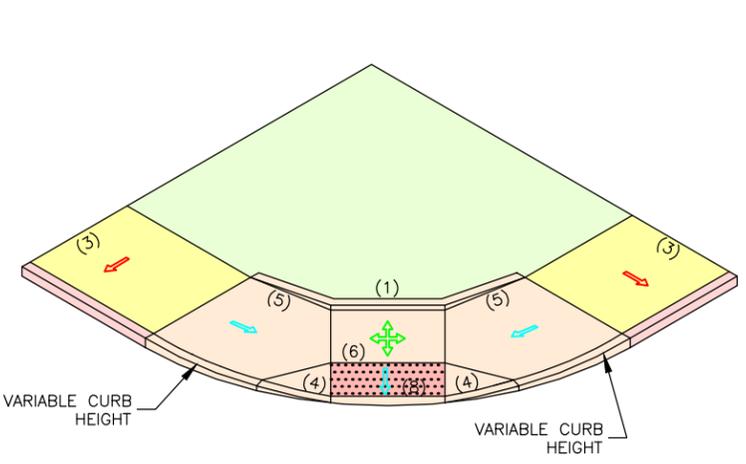
TYPE C1 CURB RAMP
PERPENDICULAR SMALL RADIUS
NO SCALE



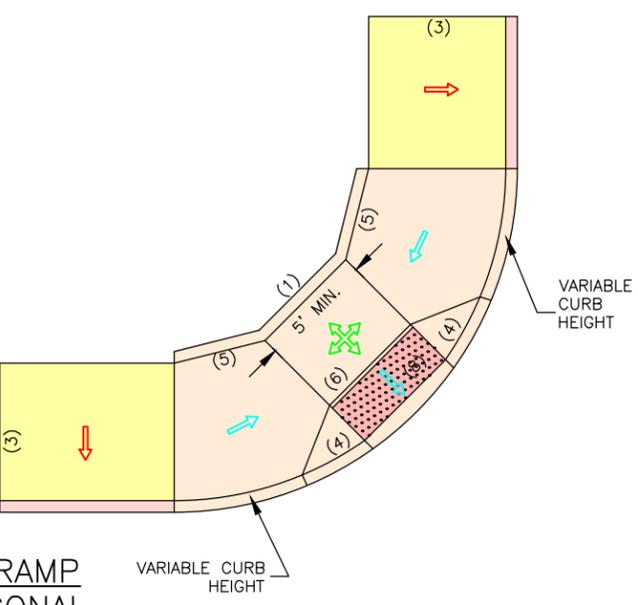
TYPE C2 CURB RAMP
PERPENDICULAR LARGE RADIUS
NO SCALE



TYPE C3 CURB RAMP
PERPENDICULAR WITH TRAVERSABLE FLARE
NO SCALE



TYPE D CURB RAMP
COMPOUND DIAGONAL
NO SCALE



LEGEND

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-  MAX. RAMP SLOPE IS 1V:12H (8.33%) AND HAVE A CROSS SLOPE OF 1.0% MIN., 2.0% MAX.
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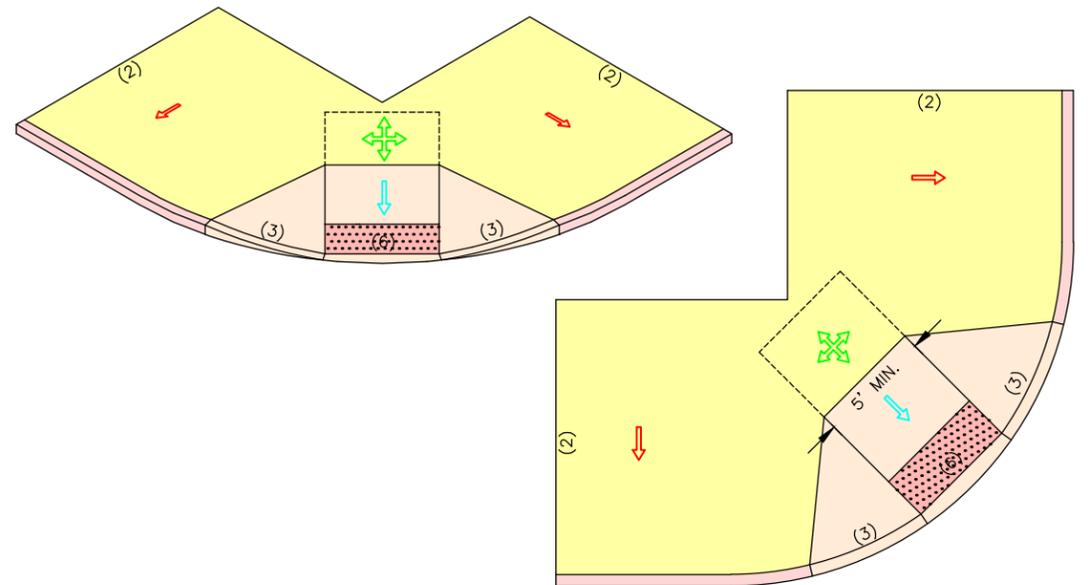
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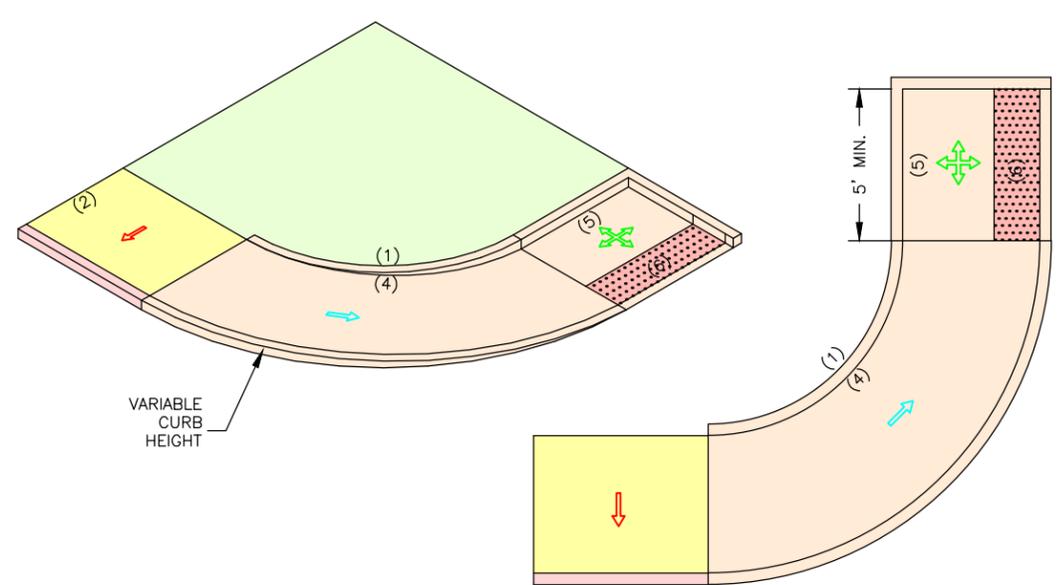
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CITY OF FLORISSANT, MISSOURI

DATE	REVISION	DWN. BY	APPD. BY
		S.R.B.	K.J.W.
DATE:			
SCALE:			
PROJ. NO.:			
DWG. NO.:			

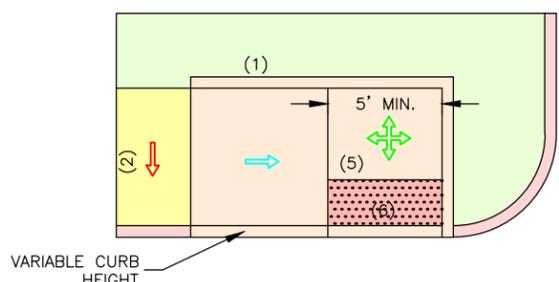
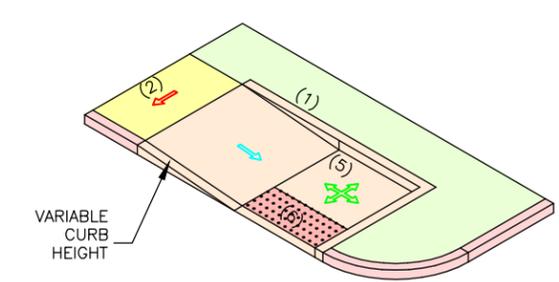
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SC24-1648
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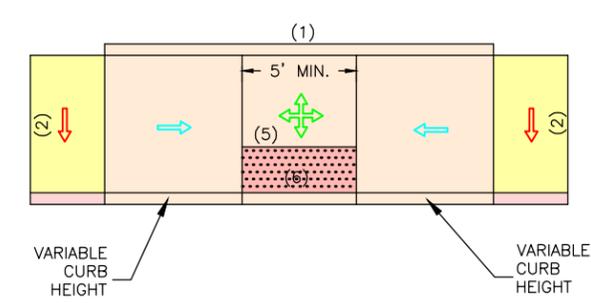
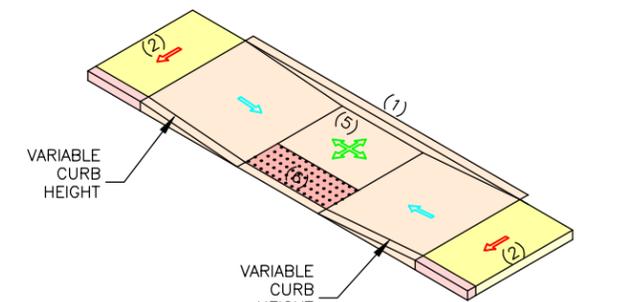
TYPE F2 CURB RAMP
DIAGONAL FOR WIDE SIDEWALKS
NO SCALE



TYPE G1 CURB RAMP
PARALLEL AT INTERSECTION
NO SCALE



TYPE G2 CURB RAMP
PARALLEL, CHANGING DIRECTION
NO SCALE



TYPE G3 CURB RAMP
PARALLEL, MIDBLOCK
NO SCALE

LEGEND

-  1.0% MIN., 2.0% MAX. CROSS SLOPE.
-  LANDING AREA. MIN. 5' X 5' WITH 1.0% MIN., 2.0% MAX. SLOPE IN ANY DIRECTION.
-  MAX. RAMP SLOPE IS 1V:12H (8.33%) AND HAVE A CROSS SLOPE OF 1.0% MIN., 2.0% MAX.
-  DETECTABLE WARNING DEVICE. EXTEND 2' IN DIRECTION OF TRAVEL.

KEYED NOTES

- (1) VARIABLE CURB HEIGHT. CURB MAY BE ELIMINATED IF UNNECESSARY AND APPROVED BY THE ENGINEER.
- (2) SEE PLAN SHEETS FOR WIDTH. SIDEWALKS AT CURB SHALL BE A MINIMUM OF 6' WIDE AND SIDEWALKS WITH A TREE LAWN SHALL BE A MINIMUM OF 5', WIDE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- (3) FLARE MAX. SLOPE IS 1V:10H WHEN MEASURED PARALLEL TO CURB LINE.
- (4) ENSURE ADEQUATE DRAINAGE OF LANDING AREA. SLOPES SHALL NOT CREATE A LANDING AREA THAT HOLDS WATER.
- (5) 1" WIDE FLARE MAY BE SUBSTITUTED FOR VERTICAL CURB AT THE DISCRETION OF THE ENGINEER FOR NO ADDITIONAL COST.
- (6) DETECTABLE WARNING DEVICES ARE NOT USED ON EVERY CURB RAMP INSTALLED. SEE SITE PLAN FOR LOCATIONS WITH DETECTABLE WARNING DEVICES.

CURB RAMP GENERAL NOTES:

ALL AREAS OF THE PEDESTRIAN ACCESS ROUTE MUST BE COMPLIANT WITH THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG)". EXCEPTIONS MUST BE APPROVED BY THE ENGINEER.

FINISHED SIDEWALK SHALL BE STABLE, SLIP RESISTANT AND SURFACE DOES NOT POND WATER.

SIDEWALK AND RAMP CROSS SLOPES SHALL BE A MINIMUM OF 1.0% TO FACILITATE DRAINAGE AND A MAXIMUM OF 2.0% TO BE USABLE FOR DISABLED INDIVIDUALS.

STORMWATER INLETS, SIGNS, POSTS, MANHOLE COVERS, PULL BOXES AND OTHER ACCESS LIDS SHOULD BE AVOIDED WITHIN THE SIDEWALK. IF SUCH A LOCATION IS NECESSARY, THE FEATURE MUST MEET ADA STANDARDS.

THE RUNNING GRADE OF A SIDEWALK SHALL NOT EXCEED 5.0% UNLESS IT IS MATCHING THE GRADE OF THE ADJACENT ROADWAY.

ALL RAMP SLOPES SHALL NOT HAVE RUNNING SLOPES GREATER THAN 8.33% OR 1V:12H. RAMP LENGTH NOT REQUIRED TO EXCEED 15 FEET.

PEDESTRIAN ACCESS ROUTE SHALL CONTINUE ACROSS DRIVEWAYS.

LANDINGS SHALL BE CONSTRUCTED AT THE TOP AND/OR BOTTOM OF A CURB RAMP WHEREVER A TURNING MOVEMENT OR ACCESS TO PEDESTRIAN PUSH BUTTON IS REQUIRED.

LANDINGS LOCATED IN THE ROADWAY MUST BE COMPLETELY CONTAINED WITHIN THE CROSSWALK.

SIDE FLARES OF CURB RAMP, IN THE PATH OF PEDESTRIAN TRAVEL (TRAVERSABLE), SHALL NOT EXCEED A SLOPE OF 1V:10H. SIDE FLARES OUTSIDE THE PEDESTRIAN PATH (NONTRAVERSABLE) MAY BE 1V:2H OR VERTICAL.

TRANSITION FROM SIDEWALK TO GUTTER TO ROADWAY MUST BE FLUSH.

DETECTABLE WARNING DEVICE (TRUNCATED DOMES) SHALL BE PRE-FORMED AND INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS, AT PUBLIC STREET INTERSECTIONS AND ANY SIGNALIZED INTERSECTIONS. STAMPED CONCRETE WILL NOT BE ACCEPTED.

THE DETECTABLE WARNING DEVICE SHALL BE RED. TRUNCATED DOMES SHALL SPAN THE FULL WIDTH (WITHIN 2") OF THE RAMP OR LANDING.

DETECTABLE WARNING DOMES SHALL BE ALIGNED PARALLEL TO THE SLOPE WHEN INSTALLED ON A RAMP. WHEN INSTALLED ON A LANDING OR BLENDED TRANSITION, THEY SHALL BE ALIGNED PERPENDICULAR OR RADIAL TO THE BREAK BETWEEN THE RAMP, LANDING OR BLENDED TRANSITION AND THE STREET.

IF CONSTRUCTION OF 5' X 5' LANDING IS NOT FEASIBLE, 4' X 4' LANDING MAY BE USED WITH APPROVAL FROM THE ENGINEER.

RAMP WIDTH MAY BE REDUCED TO 4' WITH APPROVAL OF THE ENGINEER.

CURB RAMP AND INTEGRAL CURBS THAT ARE PART OF RAMP SHALL BE INCLUDED IN THE UNIT BID PRICE FOR CONCRETE SIDEWALK.

THE CONTRACTOR SHALL IDENTIFY THE REMOVAL LIMITS FOR THE SIDEWALK AND CURB. IF THE CONTRACTOR DETERMINES THE REMOVAL LIMITS ARE NOT ADEQUATE TO MEET ADA STANDARDS, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONSULT THE ENGINEER TO DETERMINE THE BEST SOLUTION.

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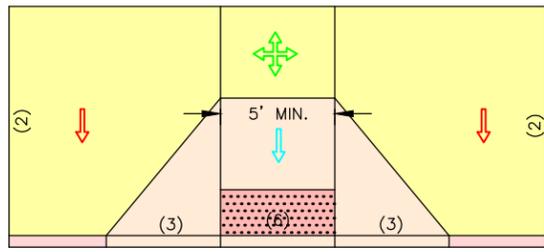
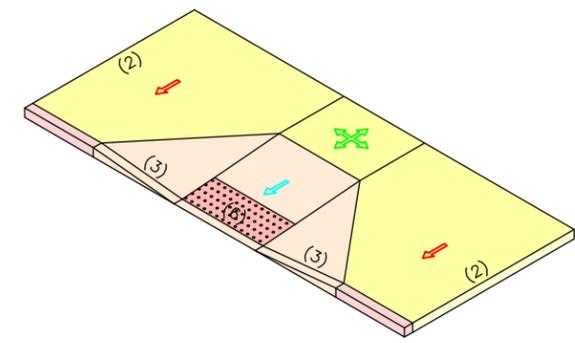
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LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529

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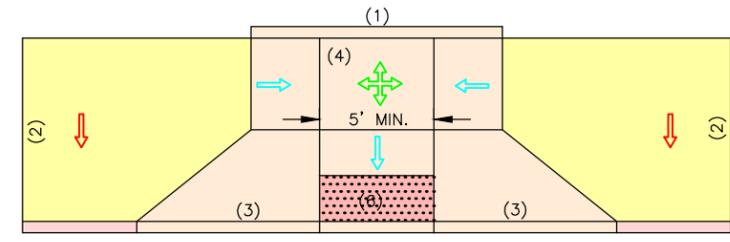
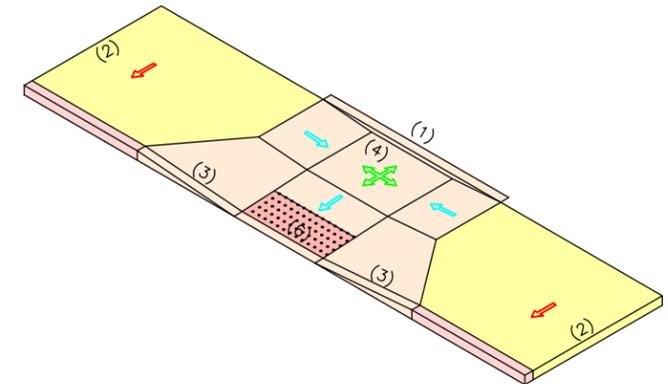
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FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI

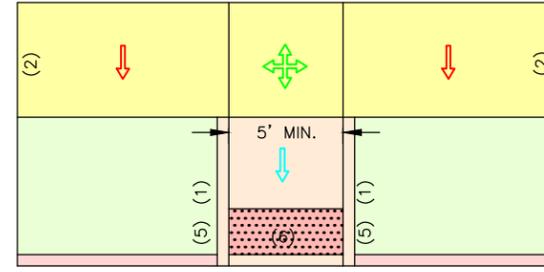
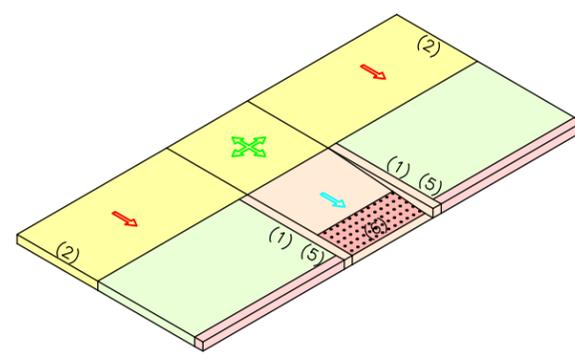
DATE	REVISION	DWN. BY	APPD. BY
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DATE: JUNE 2025			
SCALE: AS SHOWN			
PROJ. NO: SC24-1648			
DWG. NO: DE-8			



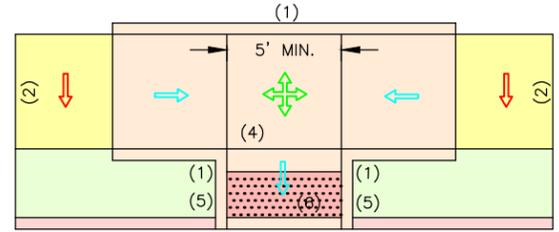
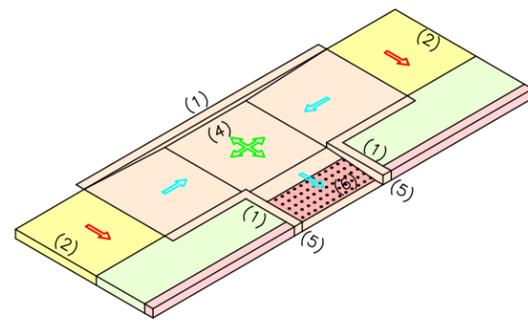
**TYPE H CURB RAMP
PERPENDICULAR FOR WIDE
SIDEWALK, MIDBLOCK**
NO SCALE



**TYPE I CURB RAMP
COMBINATION (PARALLEL AND PERPENDICULAR),
MIDBLOCK**
NO SCALE



**TYPE J2 CURB RAMP
PERPENDICULAR WITH TREE LAWN
(6' OR GREATER), MIDBLOCK**
NO SCALE



**TYPE J1 CURB RAMP
PERPENDICULAR WITH TREE LAWN
(LESS THAN 6'), MIDBLOCK**
NO SCALE

LEGEND

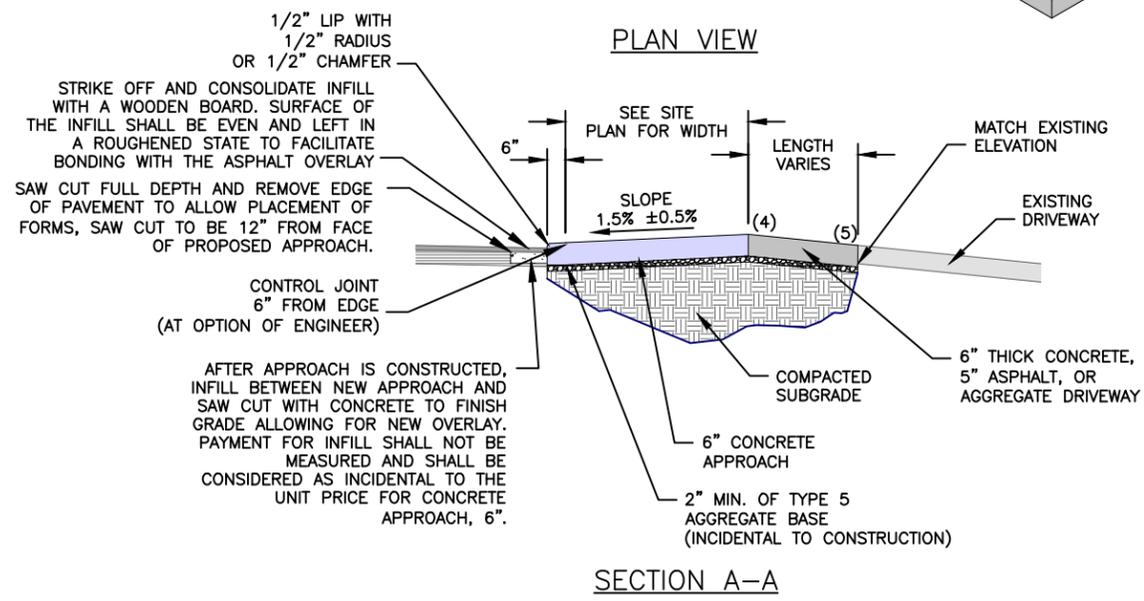
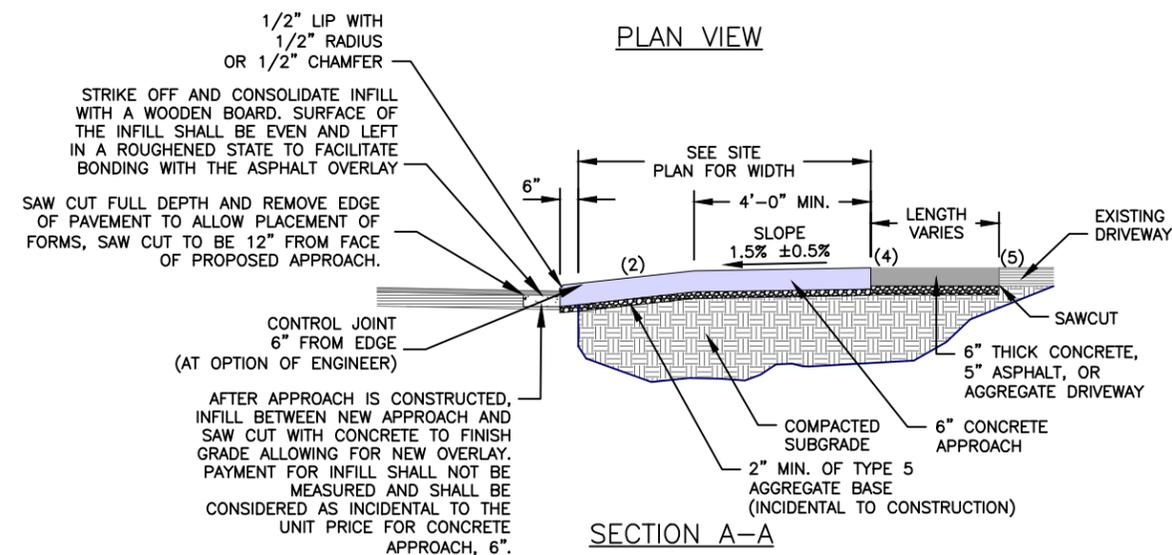
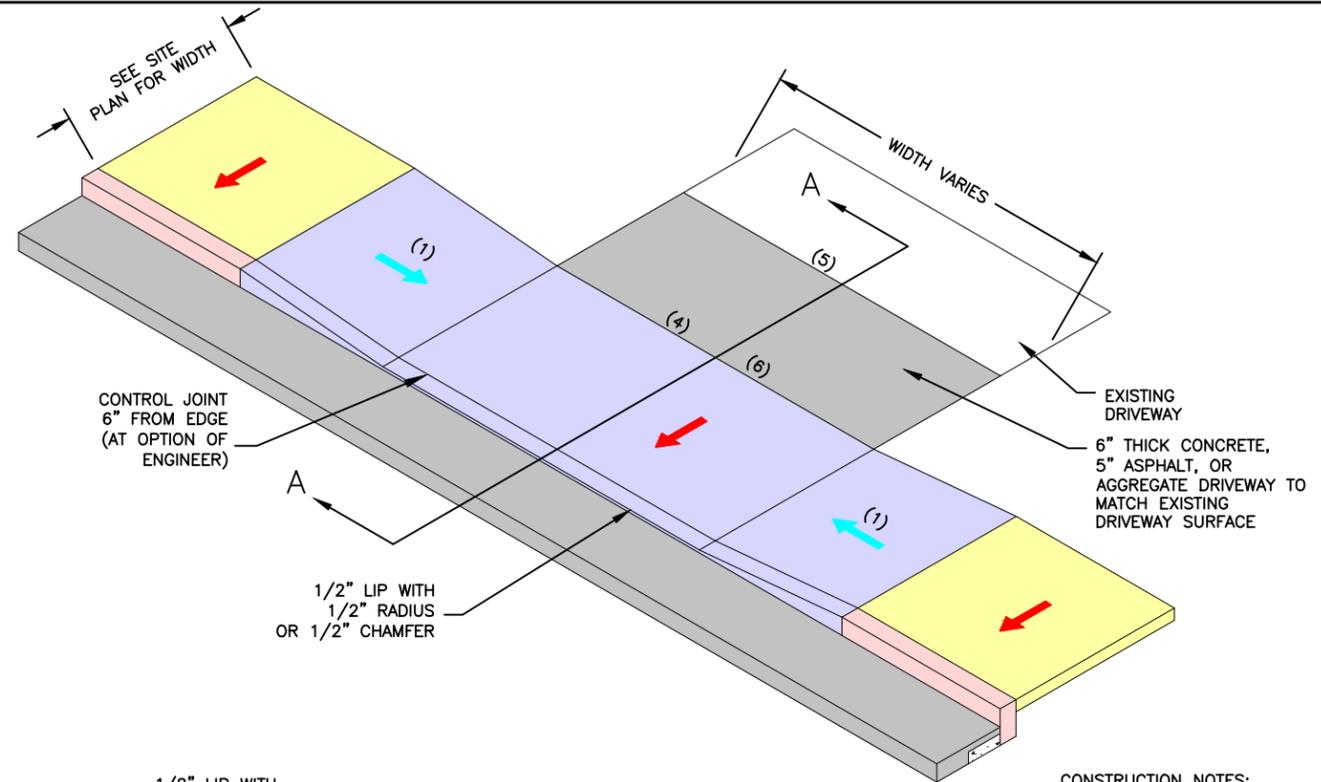
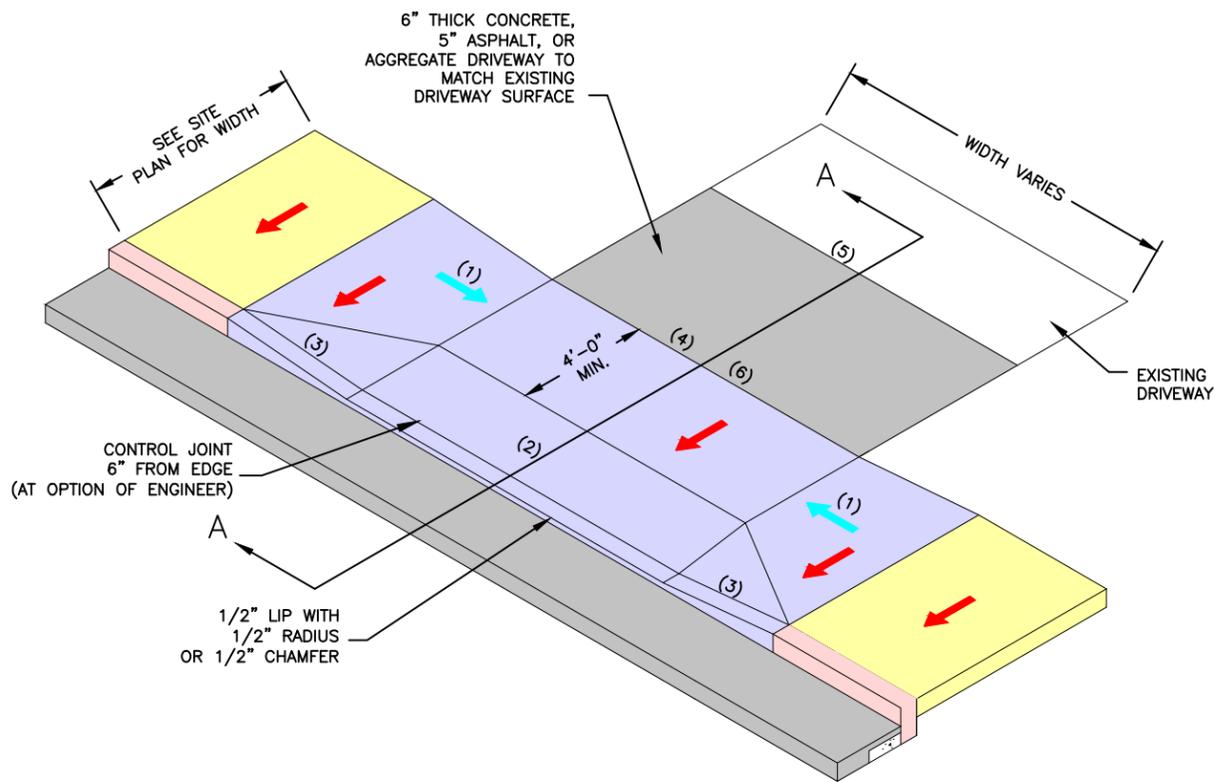
-  1.50% SLOPE ±0.50%
-  MAX. SLOPE 1V:12H (8.33%)

KEYED NOTES

- (1) LENGTH OF RAMP TO BE 5' TO 15', DEPENDENT ON SLOPE.
- (2) MIN. GRADE 1%, MAX. GRADE OF 12%.
- (3) MAX. SLOPE 1:10, MEASURED PARALLEL TO THE CURB LINE.
- (4) MAXIMUM PERCENT CHANGE FOR A SAG GRADE BREAK IS 12%. MAXIMUM PERCENT CHANGE FOR A CREST GRADE BREAK IS 8%.
- (5) MAINTAIN SLOPE FOR A MINIMUM OF 10' BEFORE ANOTHER GRADE CHANGE.
- (6) CONTRACTOR TO MATCH EXISTING ELEVATION OF DRIVEWAY AS CLOSE AS POSSIBLE WHILE PROVIDING AN ADA COMPLIANT SIDEWALK.

NOTES

1. IF TRANSITION OF DRIVEWAY BEYOND APPROACH IS NEEDED, CONTRACTOR SHALL REMOVE AND REPLACE EXISTING DRIVEWAY TO NEAREST JOINT OR AS DIRECTED BY THE ENGINEER, TO BE PAID BY UNIT BID PRICE FOR 6" CONCRETE DRIVEWAY, 5" ASPHALT DRIVEWAY OR AGGREGATE DRIVEWAY AS SHOWN ON THE SITE PLANS.
2. TOOLED JOINTS ARE REQUIRED AT ALL SLOPE BREAK LINES.
3. CURB, GUTTER AND SIDEWALK TYPES VARY. SEE SITE PLANS FOR EXACT TYPES.
4. SAW CUT LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONSULT WITH ENGINEER BEFORE SAW CUT/REMOVALS.
5. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF CURBS, GUTTERS, SIDEWALKS AND DRIVEWAYS REGARDLESS OF SEQUENCING OF CONSTRUCTION. CONTRACTOR IS SPECIFICALLY CAUTIONED NOT TO POUR CURBS, GUTTERS, AND SIDEWALKS PRIOR TO LAYOUT OF DRIVEWAYS AS APPROACH TYPES ARE SUBJECT TO CHANGE.
6. AT ENGINEERS DIRECTION, CROSS SLOPE OF SIDEWALKS AT DRIVEWAY APPROACHES MAY SLOPE AWAY FROM THE STREET.
7. IF EXISTING DRIVEWAY IS ASPHALT, CONTRACTOR SHALL NOT USE ASPHALT EDGE AS FORM FOR CONCRETE APPROACH UNLESS APPROVED BY ENGINEER. ANY ASPHALT PATCH NECESSARY DUE TO FORMING FOR CONCRETE APPROACH IS INCIDENTAL TO THE CONSTRUCTION.



CONSTRUCTION NOTES:

1. THE NUMBER OF JOINTS AND LOCATIONS SHOWN ON DRIVEWAY APPROACHES ARE THE MINIMUM REQUIRED. ADDITIONAL CONTROL JOINTS MAY BE REQUIRED AS DIRECTED BY THE CITY REPRESENTATIVE OR AS DICTATED BY INDUSTRY STANDARD CONCRETE CONSTRUCTION PRACTICE. NO ADDITIONAL PAYMENTS WILL BE MADE WHEN ADDITIONAL CONTROL OR EXPANSION JOINTS ARE REQUIRED.
2. ALL BASE ROCK REQUIRED SHALL BE INCLUDED IN THE COST OF THE CONCRETE APPROACH.
3. ALL CONCRETE SHALL BE HIGH EARLY, NON REINFORCED CONCRETE MEETING 3,500 PSI AFTER 3 DAYS CURING TIME.

CONCRETE APPROACH (TYPE 1)
NO SCALE

CONCRETE APPROACH (TYPE 2)
NO SCALE

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CITY OF FLORISSANT, MISSOURI

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S.R.B.	K.J.W.
DATE:	
JUNE 2025	
SCALE:	
AS SHOWN	
PROJ. NO.:	
SC24-1648	
DWG. NO.:	
DE-9	

LEGEND

-  1.50% SLOPE ±0.50%
-  MAX. SLOPE 1V:12H (8.33%)

KEYED NOTES

- (1) MIN. GRADE 1%, MAX. GRADE OF 12%.
- (2) MAXIMUM PERCENT CHANGE FOR A SAG GRADE BREAK IS 12%. MAXIMUM PERCENT CHANGE FOR A CREST GRADE BREAK IS 8%.
- (3) MAINTAIN SLOPE FOR A MINIMUM OF 10' BEFORE ANOTHER GRADE CHANGE.

NOTES

- 1. IF TRANSITION OF DRIVEWAY BEYOND APPROACH IS NEEDED, CONTRACTOR SHALL REMOVE AND REPLACE EXISTING DRIVEWAY TO NEAREST JOINT OR AS DIRECTED BY THE ENGINEER, TO BE PAID BY UNIT BID PRICE FOR 6" CONCRETE DRIVEWAY, 5" ASPHALT DRIVEWAY OR AGGREGATE DRIVEWAY AS SHOWN ON THE SITE PLANS.
- 2. TOOLED JOINTS ARE REQUIRED AT ALL SLOPE BREAK LINES.
- 3. CURB, GUTTER AND SIDEWALK TYPES VARY. SEE SITE PLANS FOR EXACT TYPES.
- 4. SAW CUT LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONSULT WITH ENGINEER BEFORE SAW CUT/REMOVALS.
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- 6. AT ENGINEER'S DIRECTION, CROSS SLOPE OF SIDEWALKS AT DRIVEWAY APPROACHES MAY SLOPE AWAY FROM THE STREET.
- 7. IF EXISTING DRIVEWAY IS ASPHALT, CONTRACTOR SHALL NOT USE ASPHALT EDGE AS FORM FOR CONCRETE APPROACH UNLESS APPROVED BY ENGINEER. ANY ASPHALT PATCH NECESSARY DUE TO FORMING FOR CONCRETE APPROACH IS INCIDENTAL TO THE CONSTRUCTION.

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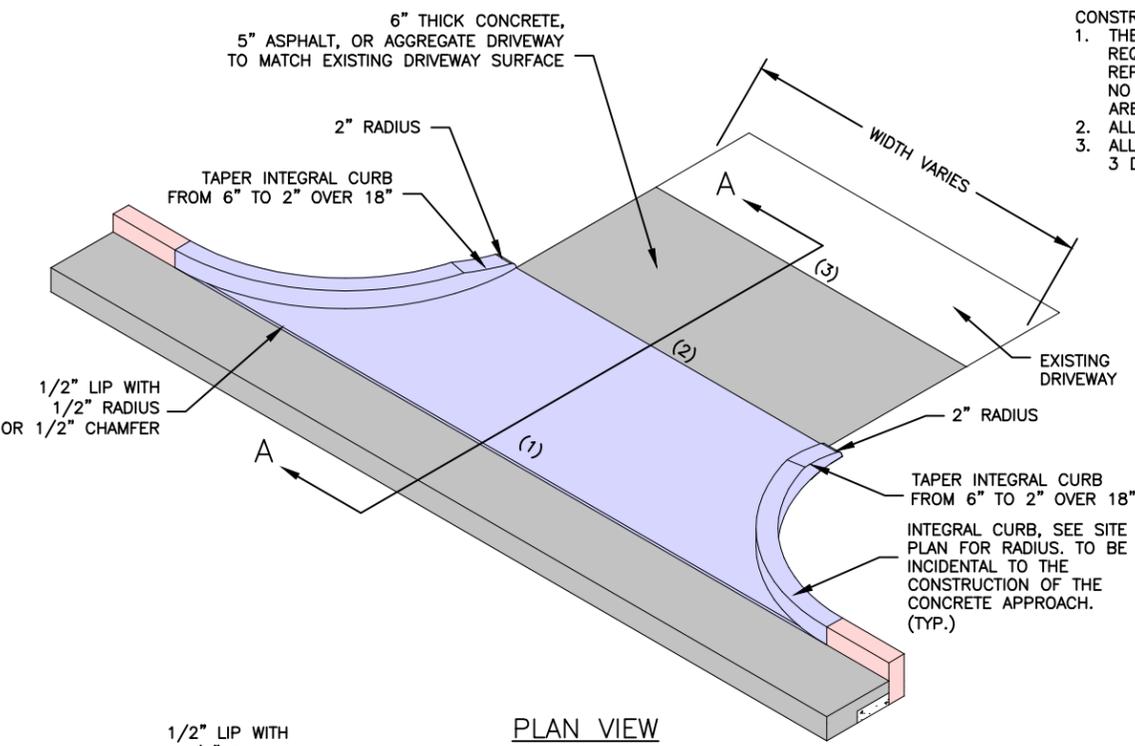
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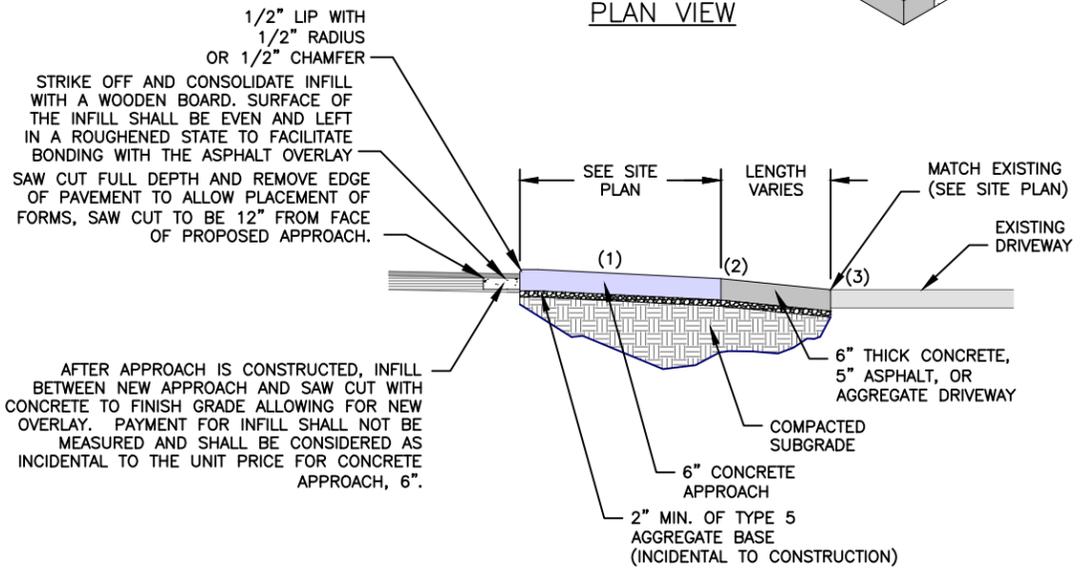
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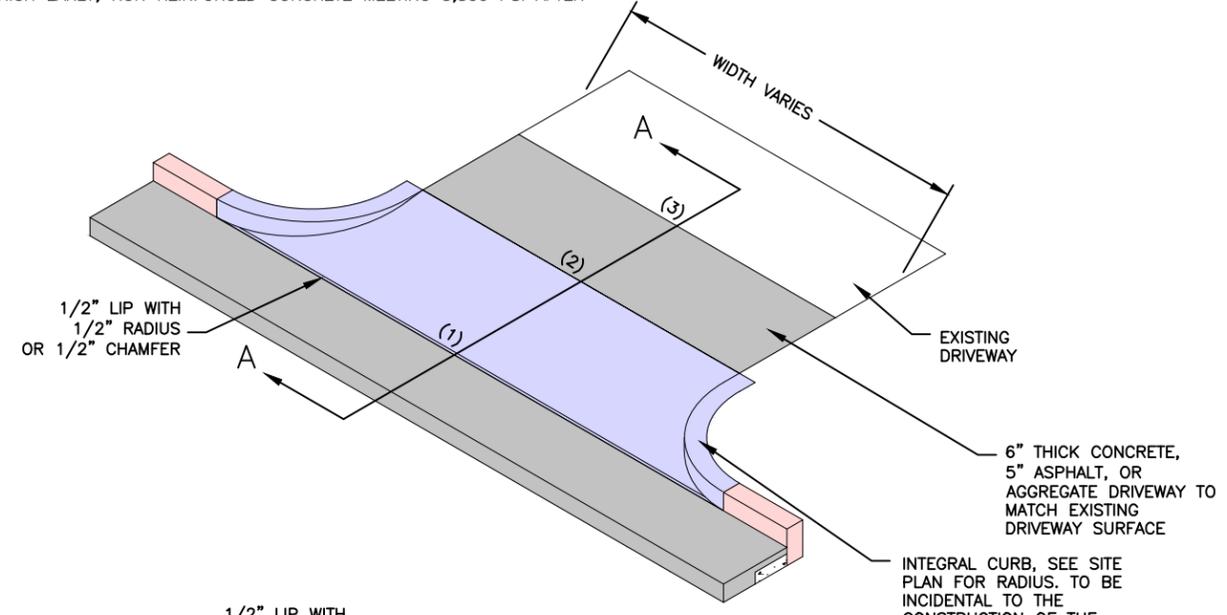
PLAN VIEW



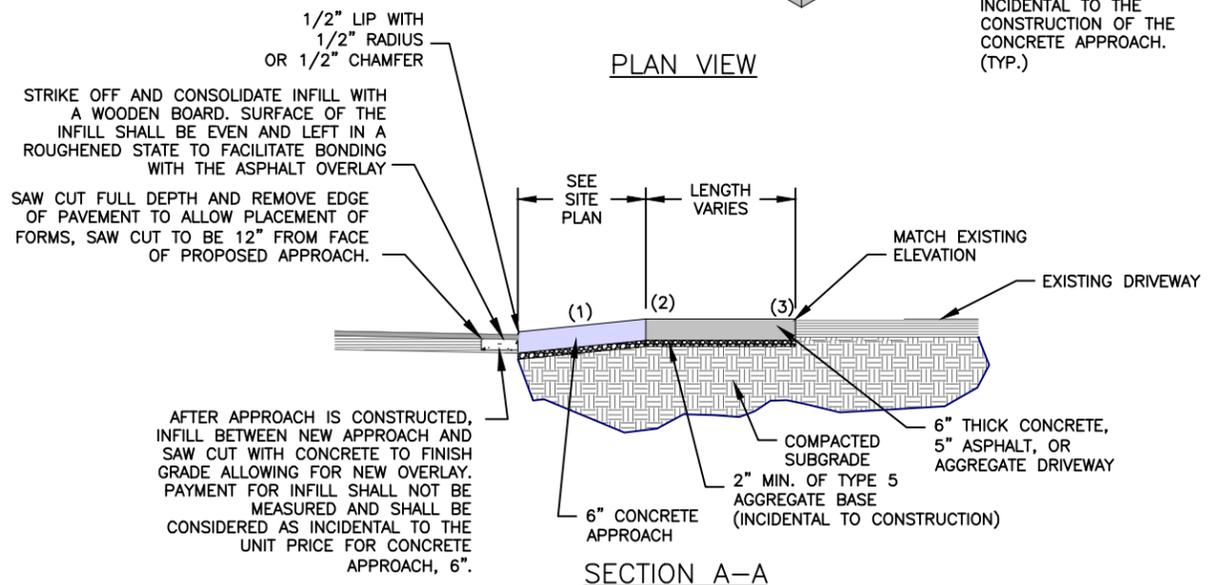
SECTION A-A

CONCRETE APPROACH (TYPE 3)
NO SCALE

- CONSTRUCTION NOTES:**
- 1. THE NUMBER OF JOINTS AND LOCATIONS SHOWN ON DRIVEWAY APPROACHES ARE THE MINIMUM REQUIRED. ADDITIONAL CONTROL JOINTS MAY BE REQUIRED AS DIRECTED BY THE CITY REPRESENTATIVE OR AS DICTATED BY INDUSTRY STANDARD CONCRETE CONSTRUCTION PRACTICE. NO ADDITIONAL PAYMENTS WILL BE MADE WHEN ADDITIONAL CONTROL OR EXPANSION JOINTS ARE REQUIRED.
 - 2. ALL BASE ROCK REQUIRED SHALL BE INCLUDED IN THE COST OF THE CONCRETE APPROACH.
 - 3. ALL CONCRETE SHALL BE HIGH EARLY, NON REINFORCED CONCRETE MEETING 3,500 PSI AFTER 3 DAYS CURING TIME.



PLAN VIEW



SECTION A-A

CONCRETE APPROACH (TYPE 4)
NO SCALE

Drawing name: U:\SC24-1648 St. Catherine St. Catherine St. STBG-5595(619). Florissant, MO_AUTOCAD DRAWINGS\DRIVEWAY DETAILS.dwg Tab: DE-10 Plotted on: Jun 10, 2025 - 4:07pm Plotted by: strooks

LEGEND

-  1.50% SLOPE ±0.50%
-  MAX. SLOPE 1V:12H (8.33%)

KEYED NOTES

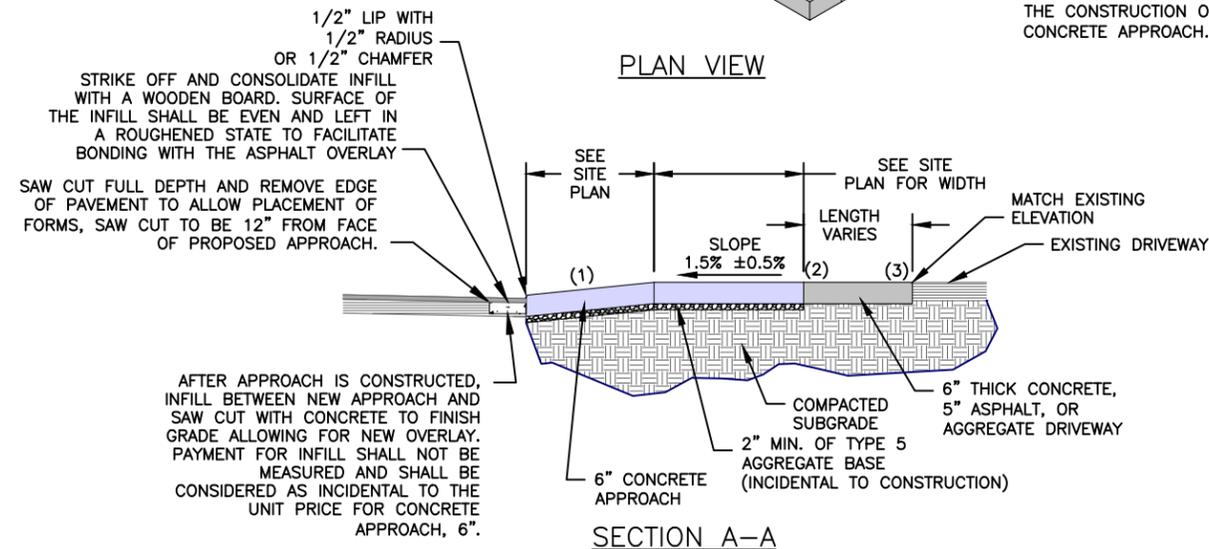
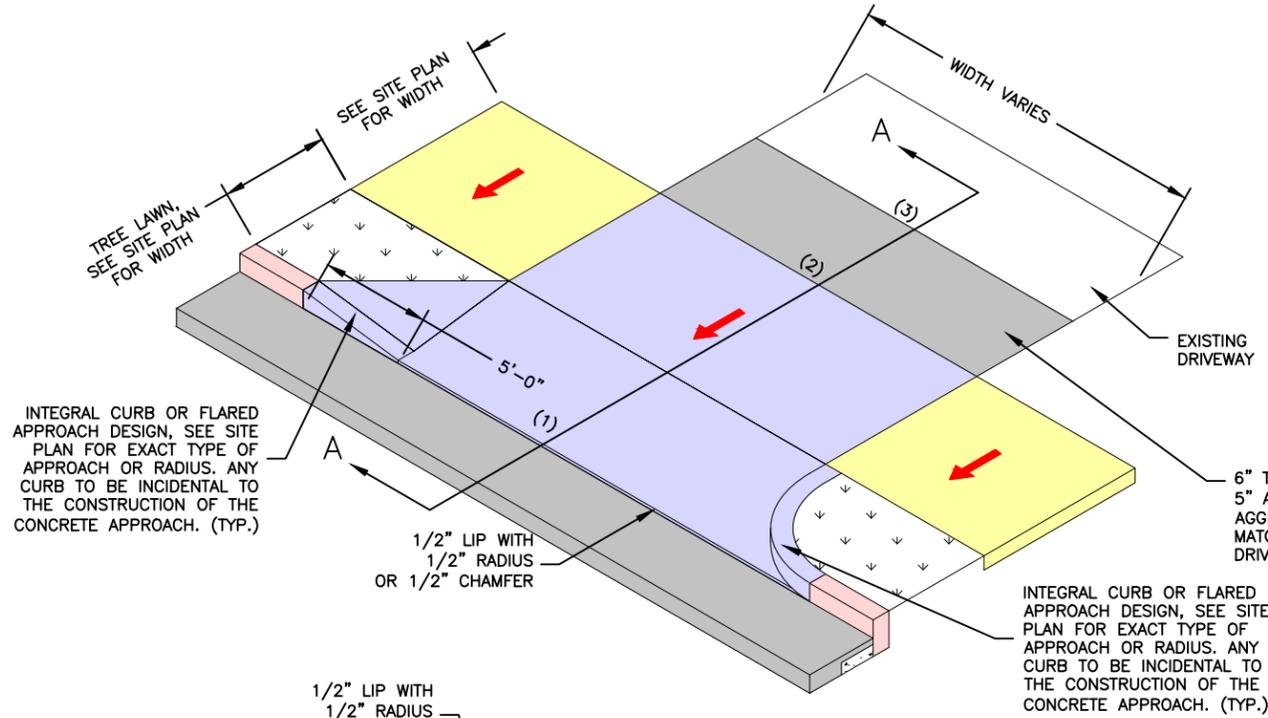
- (1) MIN. GRADE 1%, MAX. GRADE OF 12%.
- (2) MAXIMUM PERCENT CHANGE FOR A SAG GRADE BREAK IS 12%. MAXIMUM PERCENT CHANGE FOR A CREST GRADE BREAK IS 8%.
- (3) MAINTAIN SLOPE FOR A MINIMUM OF 10' BEFORE ANOTHER GRADE CHANGE.
- (4) LENGTH OF RAMP TO BE 5' TO 15', DEPENDENT ON SLOPE. SIDEWALK TO DROP TO MATCH EXISTING DRIVEWAY ELEVATION AS CLOSE AS POSSIBLE.
- (5) CONTRACTOR TO MATCH EXISTING ELEVATION OF DRIVEWAY AS CLOSE AS POSSIBLE WHILE PROVIDING AN ADA COMPLIANT SIDEWALK.
- (6) VARIABLE HEIGHT CURB. CURB MAY BE ELIMINATED IF UNNECESSARY AND APPROVED BY THE ENGINEER. IF ELIMINATED, RADIAL CURB SHALL TAPER FLUSH WITH SIDEWALK.

NOTES

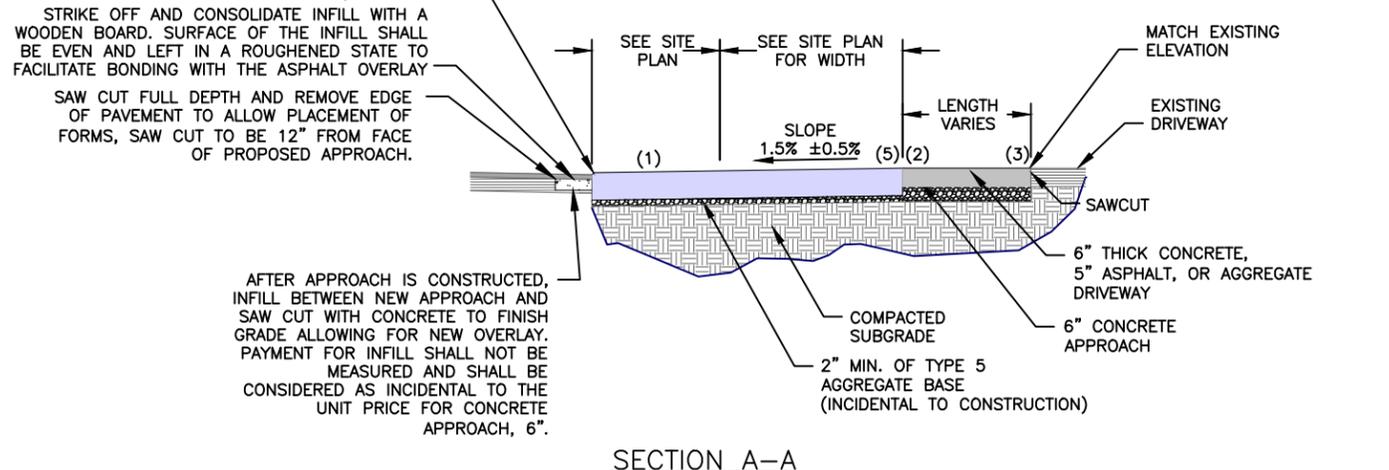
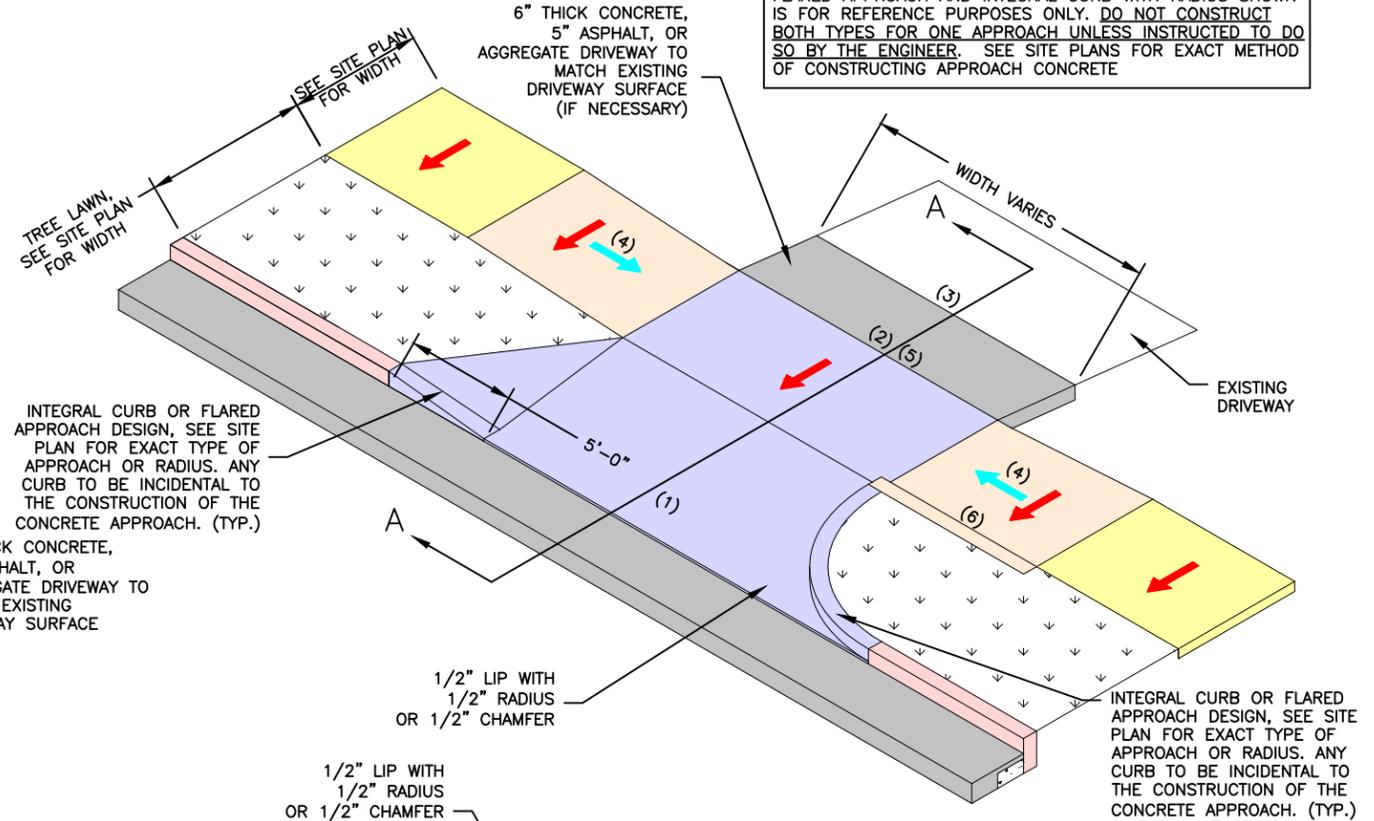
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- 2. TOOLED JOINTS ARE REQUIRED AT ALL SLOPE BREAK LINES.
- 3. CURB, GUTTER AND SIDEWALK TYPES VARY. SEE SITE PLANS FOR EXACT TYPES.
- 4. SAW CUT LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONSULT WITH ENGINEER BEFORE SAW CUT/REMOVALS.
- 5. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF CURBS, GUTTERS, SIDEWALKS AND DRIVEWAYS REGARDLESS OF SEQUENCING OF CONSTRUCTION. CONTRACTOR IS SPECIFICALLY CAUTIONED NOT TO POUR CURBS, GUTTERS, AND SIDEWALKS PRIOR TO LAYOUT OF DRIVEWAYS AS APPROACH TYPES ARE SUBJECT TO CHANGE.
- 6. AT ENGINEERS DIRECTION, CROSS SLOPE OF SIDEWALKS AT DRIVEWAY APPROACHES MAY SLOPE AWAY FROM THE STREET.
- 7. IF EXISTING DRIVEWAY IS ASPHALT, CONTRACTOR SHALL NOT USE ASPHALT EDGE AS FORM FOR CONCRETE APPROACH UNLESS APPROVED BY ENGINEER. ANY ASPHALT PATCH NECESSARY DUE TO FORMING FOR CONCRETE APPROACH IS INCIDENTAL TO THE CONSTRUCTION.

CONSTRUCTION NOTES:

- 1. THE NUMBER OF JOINTS AND LOCATIONS SHOWN ON DRIVEWAY APPROACHES ARE THE MINIMUM REQUIRED. ADDITIONAL CONTROL JOINTS MAY BE REQUIRED AS DIRECTED BY THE CITY REPRESENTATIVE OR AS DICTATED BY INDUSTRY STANDARD CONCRETE CONSTRUCTION PRACTICE. NO ADDITIONAL PAYMENTS WILL BE MADE WHEN ADDITIONAL CONTROL OR EXPANSION JOINTS ARE REQUIRED.
- 2. ALL BASE ROCK REQUIRED SHALL BE INCLUDED IN THE COST OF THE CONCRETE APPROACH.
- 3. ALL CONCRETE SHALL BE HIGH EARLY, NON REINFORCED CONCRETE MEETING 3,500 PSI AFTER 3 DAYS CURING TIME.



CONCRETE APPROACH (TYPE 5)
NO SCALE



CONCRETE APPROACH (TYPE 6)
NO SCALE

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FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

DRIVEWAY DETAILS

DATE:	REVISION:
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S.R.B.	K.J.W.
DATE:	
JUNE 2025	
SCALE:	
AS SHOWN	
PROJ. NO.:	
SC24-1648	
DWG. NO.:	
DE-11	

Drawing name: U:\SC24-1648 St. Catherine St. Catherine St. STBG-5595(619). Florissant, MO\AUTOCAD DRAWINGS\DRIVEWAY DETAILS.dwg Tab: DE-11 Plotted on: Jun 10, 2025 - 4:07pm Plotted by: sbrooks

LEGEND

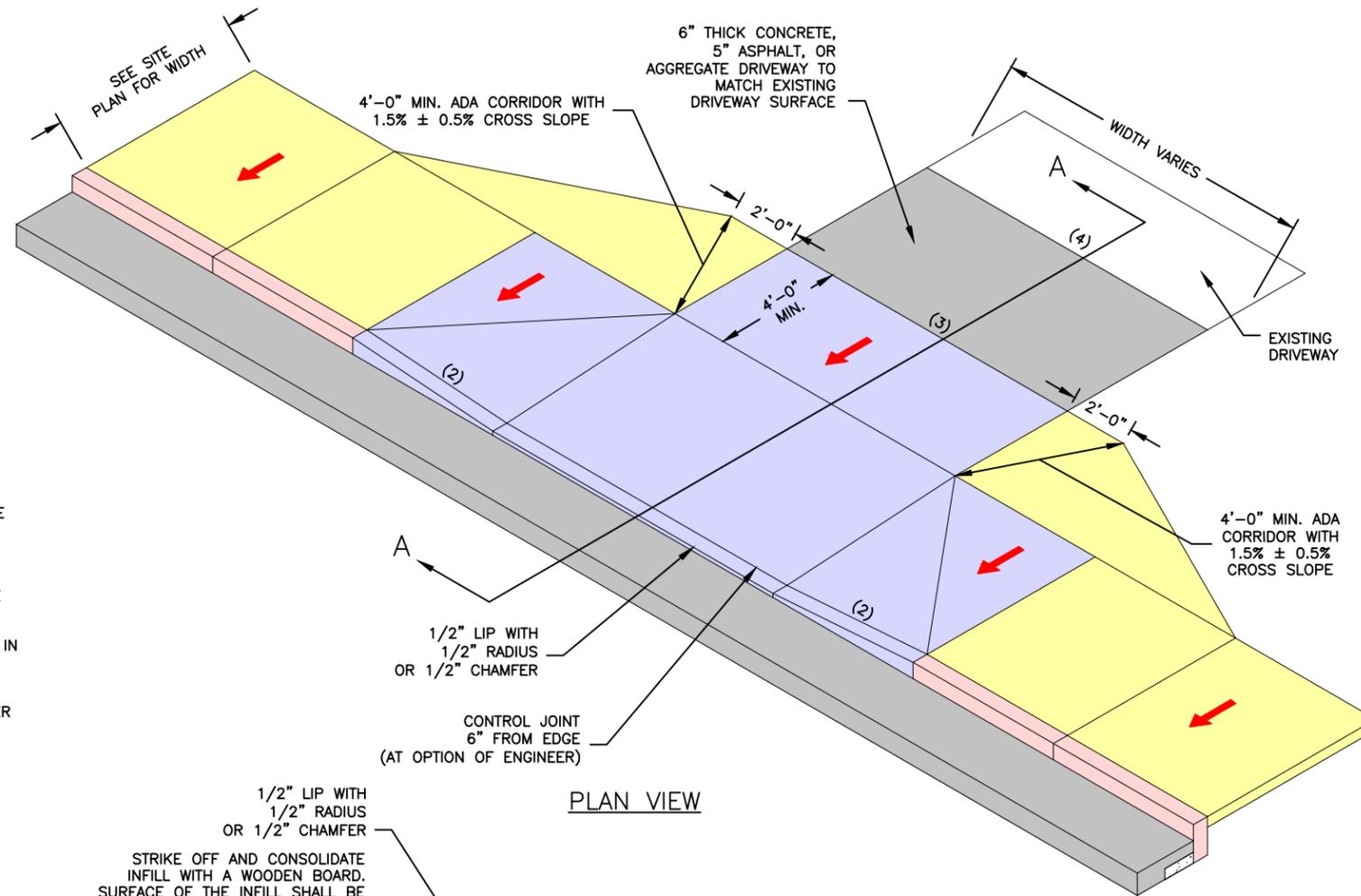
-  1.50% SLOPE ±0.50%
-  MAX. SLOPE 1V:12H (8.33%)

KEYED NOTES

- (1) MIN. GRADE 1%, MAX. GRADE OF 12%.
- (2) MAX. SLOPE 1:10, MEASURED PARALLEL TO THE CURB LINE.
- (3) MAXIMUM PERCENT CHANGE FOR A SAG GRADE BREAK IS 12%. MAXIMUM PERCENT CHANGE FOR A CREST GRADE BREAK IS 8%.
- (4) MAINTAIN SLOPE FOR A MINIMUM OF 10' BEFORE ANOTHER GRADE CHANGE.

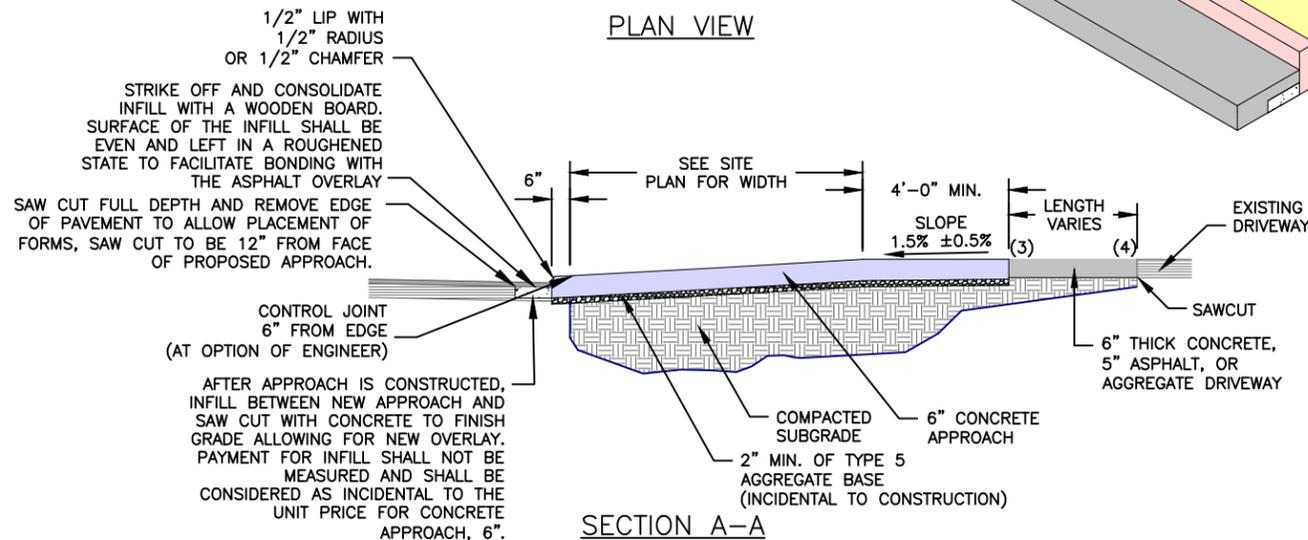
NOTES

- 1. IF TRANSITION OF DRIVEWAY BEYOND APPROACH IS NEEDED, CONTRACTOR SHALL REMOVE AND REPLACE EXISTING DRIVEWAY TO NEAREST JOINT OR AS DIRECTED BY THE ENGINEER, TO BE PAID BY UNIT BID PRICE FOR 6" CONCRETE DRIVEWAY, 5" ASPHALT DRIVEWAY OR AGGREGATE DRIVEWAY AS SHOWN ON THE SITE PLANS.
- 2. TOOLED JOINTS ARE REQUIRED AT ALL SLOPE BREAK LINES.
- 3. CURB, GUTTER AND SIDEWALK TYPES VARY. SEE SITE PLANS FOR EXACT TYPES.
- 4. SAW CUT LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONSULT WITH ENGINEER BEFORE SAW CUT/REMOVALS.
- 5. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF CURBS, GUTTERS, SIDEWALKS AND DRIVEWAYS REGARDLESS OF SEQUENCING OF CONSTRUCTION. CONTRACTOR IS SPECIFICALLY CAUTIONED NOT TO POUR CURBS, GUTTERS, AND SIDEWALKS PRIOR TO LAYOUT OF DRIVEWAYS AS APPROACH TYPES ARE SUBJECT TO CHANGE.
- 6. AT ENGINEERS DIRECTION, CROSS SLOPE OF SIDEWALKS AT DRIVEWAY APPROACHES MAY SLOPE AWAY FROM THE STREET.
- 7. IF EXISTING DRIVEWAY IS ASPHALT, CONTRACTOR SHALL NOT USE ASPHALT EDGE AS FORM FOR CONCRETE APPROACH UNLESS APPROVED BY ENGINEER. ANY ASPHALT PATCH NECESSARY DUE TO FORMING FOR CONCRETE APPROACH IS INCIDENTAL TO THE CONSTRUCTION.



CONSTRUCTION NOTES:

- 1. THE NUMBER OF JOINTS AND LOCATIONS SHOWN ON DRIVEWAY APPROACHES ARE THE MINIMUM REQUIRED. ADDITIONAL CONTROL JOINTS MAY BE REQUIRED AS DIRECTED BY THE CITY REPRESENTATIVE OR AS DICTATED BY INDUSTRY STANDARD CONCRETE CONSTRUCTION PRACTICE. NO ADDITIONAL PAYMENTS WILL BE MADE WHEN ADDITIONAL CONTROL OR EXPANSION JOINTS ARE REQUIRED.
- 2. ALL BASE ROCK REQUIRED SHALL BE INCLUDED IN THE COST OF THE CONCRETE APPROACH.
- 3. ALL CONCRETE SHALL BE HIGH EARLY, NON REINFORCED CONCRETE MEETING 3,500 PSI AFTER 3 DAYS CURING TIME.



CONCRETE APPROACH (TYPE 7)
NO SCALE

314-842-4033 (tel.)
314-842-5957 (fax)
www.cochrane.com

COCHRAN
Civil Engineering
Land Surveying
Architecture
Site Development
Master Planning
General Consulting

1735 WESTPARK CENTER DRIVE
FENTON, MISSOURI 63026

ENGINEERING CERTIFICATE OF AUTHORITY NUMBER - 2007006937
LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529

PRELIMINARY
NOT FOR CONSTRUCTION

THE PROFESSIONAL'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO ITEMS ON THIS SHEET. ALL DRAWINGS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS PROFESSIONAL.

ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595 (619)
CITY OF FLORISSANT, MISSOURI

DATE:	DATE:	DATE:
DWN. BY:	APPD. BY:	
S.R.B.	K.J.W.	
DATE:	DATE:	
JUNE 2025		
SCALE:		
AS SHOWN		
PROJ. NO.:		
SC24-1648		
DWG. NO.:		
DE-12		

LEGEND

-  1.50% SLOPE ±0.50%
-  MAX. SLOPE 1V:12H (8.33%)

KEYED NOTES

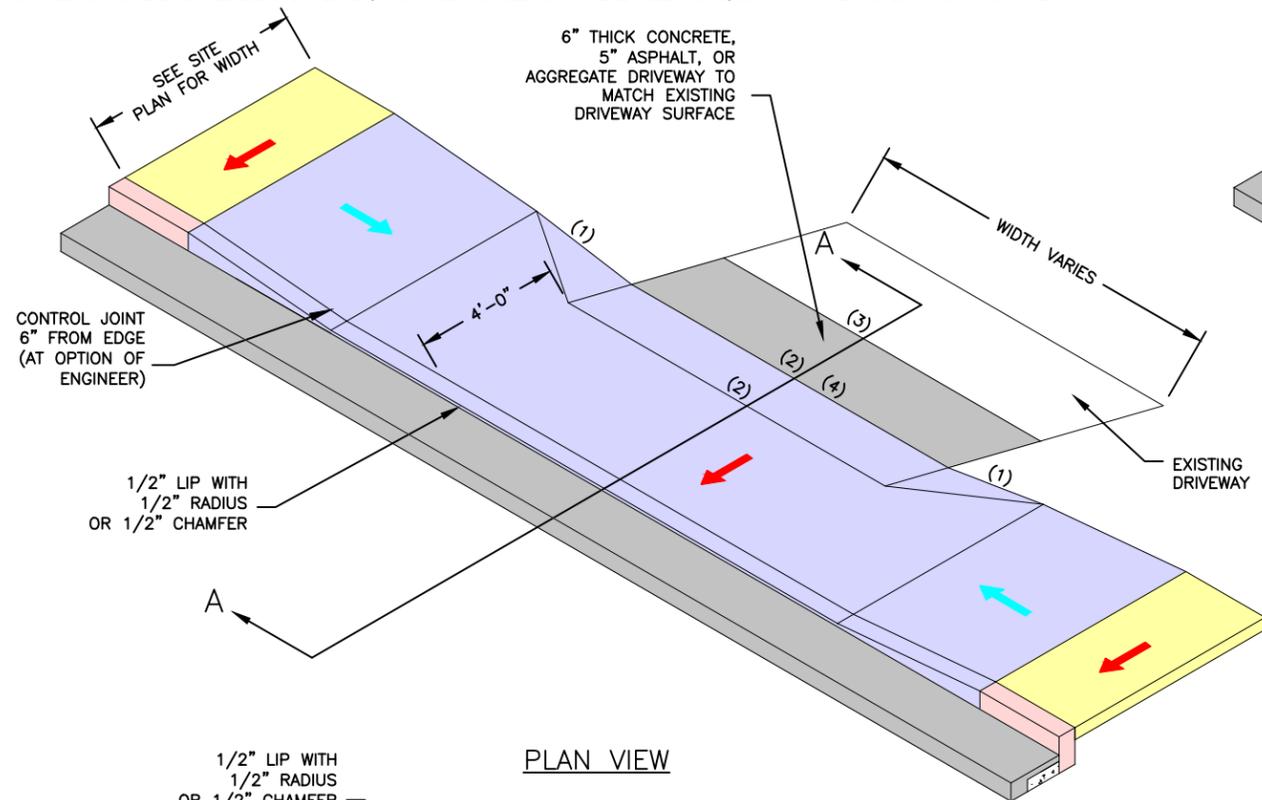
- (1) MAX. SLOPE 1:10, MEASURED PARALLEL TO THE CURB LINE.
- (2) MAXIMUM PERCENT CHANGE FOR A SAG GRADE BREAK IS 12%. MAXIMUM PERCENT CHANGE FOR A CREST GRADE BREAK IS 8%.
- (3) MAINTAIN SLOPE FOR A MINIMUM OF 10' BEFORE ANOTHER GRADE CHANGE.
- (4) CONTRACTOR TO MATCH EXISTING ELEVATION OF DRIVEWAY AS CLOSE AS POSSIBLE WHILE PROVIDING AN ADA COMPLIANT SIDEWALK.

NOTES

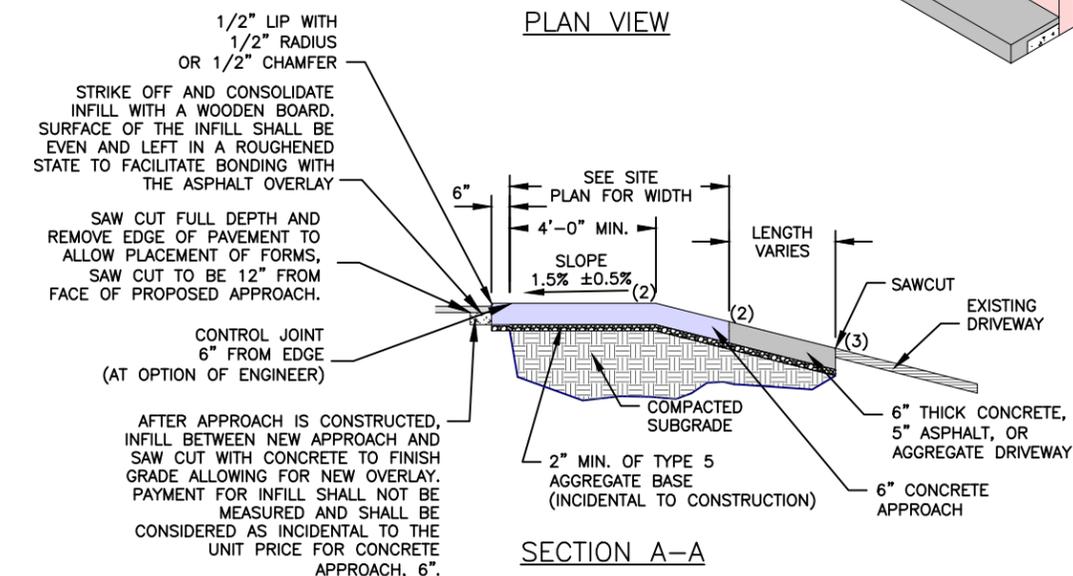
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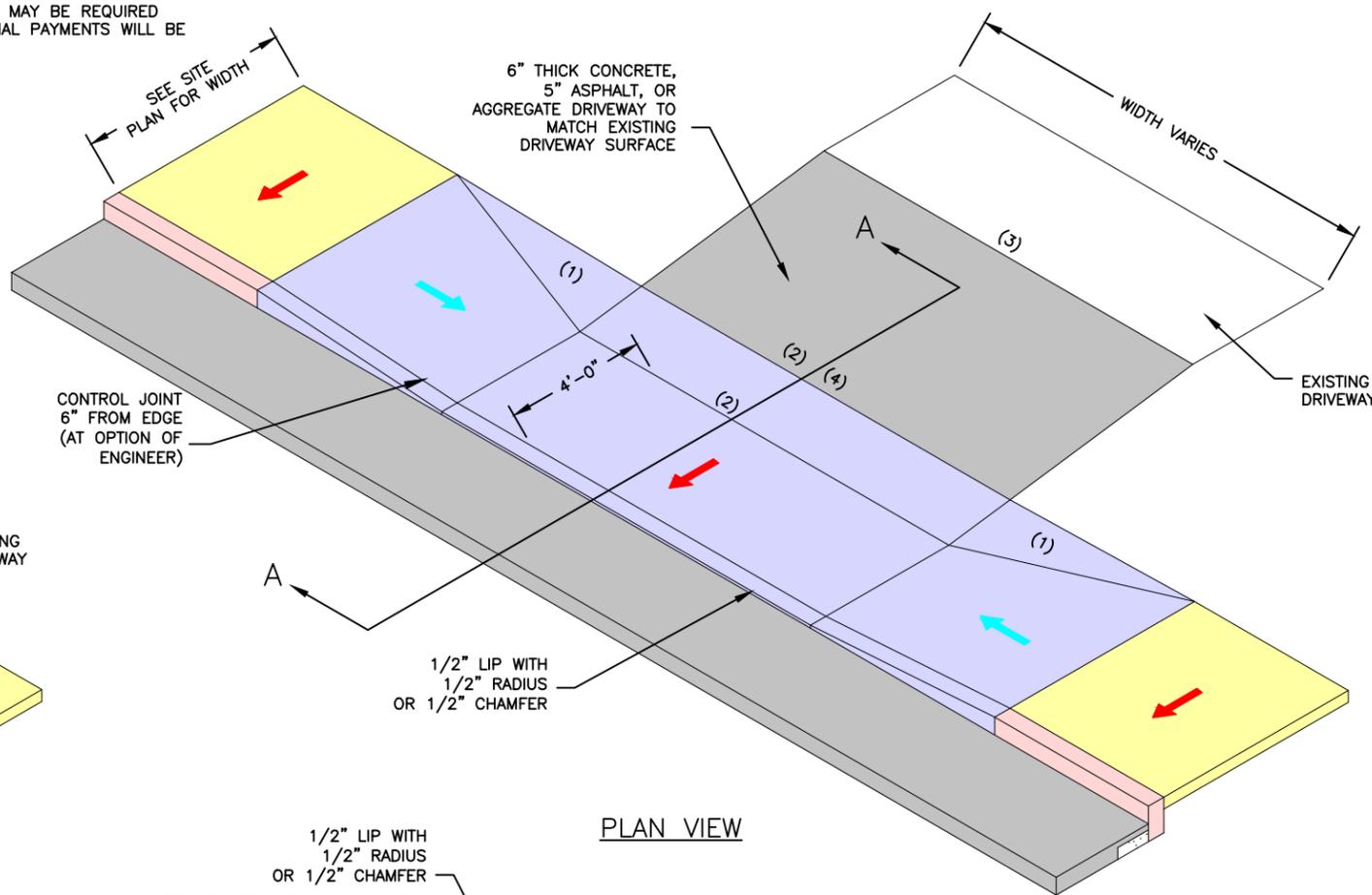


PLAN VIEW

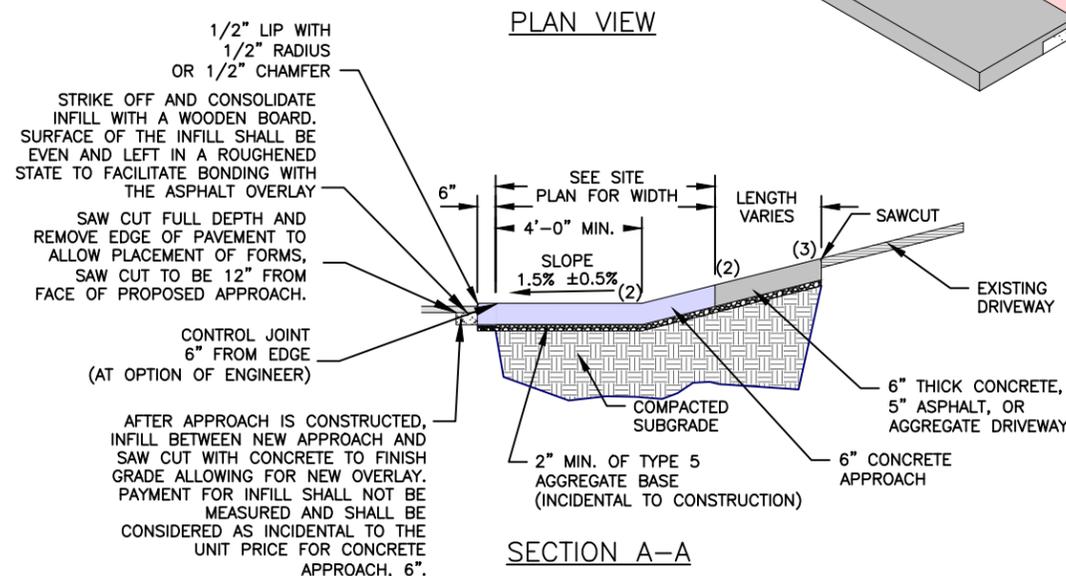


SECTION A-A

CONCRETE APPROACH (TYPE 8)
NO SCALE



PLAN VIEW



SECTION A-A

CONCRETE APPROACH (TYPE 9)
NO SCALE

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ST. CATHERINE STREET IMPROVEMENTS
FEDERAL PROJECT NO. STBG-5595(619)
CITY OF FLORISSANT, MISSOURI

DRIVEWAY DETAILS

DATE:	REVISION:
DWN. BY: S.R.B.	APPD. BY: K.J.W.
DATE: JUNE 2025	
SCALE: AS SHOWN	
PROJ. NO: SC24-1648	
DWG. NO: DE-13	