



**City of Kirkwood
City Council Work Session
Thursday, May 16, 2024**

5:00 p.m.

**City Hall, Main Level Conference Room
139 S. Kirkwood Rd.
Kirkwood, MO 63122
(Posted May 14, 2024)**

(Please note that work sessions are for council discussion only and there will be no public comment portion of the meeting. When a topic is completed the council will immediately move on to the next item on the agenda.)

- I. Approval of the May 9, 2024 Work Session Minutes**
- II. Transportation Development District (TDD) Discussion**
- III. Discussion of South Kirkwood Road and Big Bend Projects**
- IV. Motion to close the meeting pursuant to RSMo Chapter 610.021 (1- Legal)**
- V. Motion to open the meeting**
- VI. Meeting Adjournment**

Kirkwood City Council: Mayor Liz Gibbons, Council Members Gina Jaksetic, Nancy Luetzow, Mark McLean, Al Rheinneck, Paul Schaefer, and Mark Zimmer

Contact Information: For full City Council contact information visit www.kirkwoodmo.org/council. To contact the City Clerk call 314-822-5802. To contact the Chief Administrative Officer call 314-822-5803.

Accommodation: The City of Kirkwood is interested in effective communication for all persons. Persons requiring an accommodation to attend and participate in the meeting should contact the City Clerk at 314-822-5802 at least 48 hours before the meeting. With advance notice of seven calendar days, the City of Kirkwood will provide interpreter services at public meetings for languages other than English and for the hearing impaired. Upon request, the minutes from this meeting can be made available in an alternate format, such as CD by calling 314-822-5802.



WHERE COMMUNITY AND SPIRIT MEET®

WORK SESSION MINUTES

A work session of the Kirkwood City Council was held on May 9, 2024 at 4:30 p.m. at Kirkwood City Hall, 139 S. Kirkwood Road, Kirkwood, Missouri. Present Mayor Gibbons, Council Members Jaksetic, Luetzow, McLean, Rheinneck, Schaefer, and Zimmer. Also in attendance were Chief Administrative Officer Russell Hawes, Assistant Chief Administrative Officer David Weidler, City Clerk Laurie Asche, and City Attorney John Hessel.

APPROVAL OF THE APRIL 11, 2024 WORK SESSION MINUTES

Motion was made by Council Member Zimmer and seconded by Council Member Luetzow to approve the April 11, 2024 Work Session minutes. The minutes were approved with Council Members Jaksetic, McLean, Rheinneck, and Schaefer abstaining.

CITY ATTORNEY REPLACEMENT PROCESS

Mayor Gibbons opened the discussion regarding the process to hire a new City Attorney. The City Council must determine the process for replacing the City Attorney. City Attorney Hessel provided a copy of a Request for Proposals (RFP) the City of O'Fallon did back in 2022. Some of the information discussed is as follows:

The City of Kirkwood's RFP for a City Attorney should include:

- Identify the City and types of services and all legal aspects the City needs to be provided.
- Ask for resumes to indicate background/experience in municipal law and rates.
- Advise the Legislative body and Administration.
- Serve as Attorney on the Board of Adjustment and the Planning and Zoning Commission.
- Include a statement regarding the City's requirement of Kirkwood residency.
- Advertise RFP on the St. Louis County Municipal League website, in the Webster-Kirkwood Times, and in the St. Louis Countian
- Need to determine if RFP responses should be submitted either via email or in person
- City Clerk Asche reached out to the City of Webster Groves asked that they provide a sample of the RFP they did in 2018 for a new City Attorney. Webster Groves previously had the same residency requirements as the City of Kirkwood.
- After the RFP's are received, the City Council should identify the next process.
- A draft RFP, which will be a closed/privileged document, will be presented to the City Council at the May 16, 2024 work session.

MOTION TO CLOSE THE MEETING

Motion was made by Council Member Luetzow and seconded by Council Member Zimmer to close the meeting pursuant to RSMo Chapter 610.021 (1 – Legal).

Roll Call:

Mayor Gibbons	"Yes"
Council Member Jaksetic	"Yes"
Council Member Luetzow	"Yes"
Council Member McLean	"Yes"



WHERE COMMUNITY AND SPIRIT MEET®

Council Member Rheinnecker	"Yes"
Council Member Schaefer	"Yes"
Council Member Zimmer	"Yes"

The meeting was closed.

MOTION TO OPEN THE MEETING

Motion was made by Council Member Zimmer and seconded by Council Member Schaefer to open the meeting.

Roll Call:

Mayor Gibbons	"Yes"
Council Member Jaksetic	"Yes"
Council Member Luetzow	"Yes"
Council Member McLean	"Yes"
Council Member Rheinnecker	"Yes"
Council Member Schaefer	"Yes"
Council Member Zimmer	"Yes"

The meeting was opened.

There being no further matters to come before the council, the meeting was adjourned.

Laurie Asche
City Clerk

City of Kirkwood
Work Session
May 16, 2024
TDD Process and Progress

By resolution, Kirkwood City Council has indicated its support to place a ballot measure that upon approval would create a City-Wide Transportation Development District. City Council views this the best means to address the transportation needs of the city. We are about at the 2/3 mark of a year-plus process to secure our governmental partner (Downtown Kirkwood SBD), gain approvals of the County and MoDOT, petition the circuit court, and ultimately have a vote of the citizens during the general election in November. Council was clear that the City will not go back to the voters with the same TDD proposal as 2021. Engineering staff analyzed the City's street restoration and preservation needs, and concluded that the \$3 million additional funding realized from a .5 percent TDD would allow the City of Kirkwood to upgrade, stabilize, and maintain street condition for the full term of the TDD.

Based on the engineering assessment, Council concerns, and the result of the previous TDD question, City Council set the following parameters for the structure of the proposal:

- shorter term – 15 years, rather than 40 years
- lower tax rate – .5 percent

The agreement with the SBD is effectively similar to the agreement the City and SBD entered into in 2021. Five percent of annual proceeds will accrue to the SBD for projects within its district (approximately \$160,000 per year). Project eligibility language was reconsidered and simplified. The current petition before St. Louis County Circuit Court contains proposed ballot language (attached).

Approaches for getting good information to the voters

- Town Hall style input sessions
- Neighborhood outreach
- Coordinated messaging in all media
- Focus groups to identify information gaps
- Social media monitoring to ensure accurate information

(PLEASE SUBMIT IN DUPLICATE)

CERTIFICATION OF PROPOSITIONS

Board of Election Commissioners of St. Louis County

District: **City of Kirkwood**Type of Election: **General Election**

Date of Election: _____

Majority Required: ☒ Simple ☐ Two-Thirds ☐ Four-Sevenths

It is hereby certified that the following propositions are to be placed on the ballot for this election.

TYPE PROPOSITIONS EXACTLY AS THEY ARE TO APPEAR ON THE BALLOT.
INCLUDE TITLE, QUESTION AND RESPONSE. Refer to Ballot Wording Memo for additional guidance.

PROPOSITION T

Shall there be organized in the municipal boundaries of the City of Kirkwood, within the State of Missouri, a transportation development district, to be known as the Kirkwood City-Wide Transportation Development District for the purpose of developing the following transportation project: the repair, rehabilitation, maintenance, enhancement, construction and reconstruction of the following, all as located within the City and/or the Downtown Kirkwood Special Business District: streets, alleys, roadways, sidewalks, curbs, and public parking, that are owned, leased, or within dedicated easements maintained by the City, and be authorized to impose a transportation development district-wide sales tax at a rate of one-half of one percent (.50%) for a period of up to 15 years from the date on which such tax is first imposed for the purpose of funding the transportation projects?

_____ Yes _____ No



KIRKWOOD CITYWIDE

TRANSPORTATION DEVELOPMENT DISTRICT (TDD)

Important Issues for Consideration:

Passage as proposed would fund the Kirkwood City-Wide Transportation Development District (TDD). The TDD would be an independent political subdivision of the State of Missouri that would levy a .5% sales tax to generate funds so that we may accelerate the maintenance, repair and reconstruction of public streets, sidewalks, and transportation infrastructure maintained by the City of Kirkwood.

Approximately \$3,000,000 of additional funding is projected to be generated per year, starting in FY2026, for neighborhood street improvement work, greatly advancing the City's resurfacing program, and providing long-term dedicated funding to Kirkwood's transportation needs.

Improving the condition of City streets and sidewalks is the number one need identified in citizen surveys.

The TDD would bring dedicated funding to transportation capital needs. Non-City of Kirkwood residents will help fund Kirkwood street improvements when they shop here. People from outside Kirkwood shop and dine here every day. They would directly contribute to the improvement of our roads.

The TDD will accrue full sales tax from Walmart, Target, and Lowes, which the City cannot currently receive under St. Louis County tax pooling rules.

The City and downtown Special Business District have partnered on this initiative. It is important to have the support of local businesses that collect the tax. With the City and SBD as partners, the TDD will be able to address downtown, neighborhood, and city-wide transportation needs.

General fund property taxes bring in only about ten percent of our general fund revenues. Property tax is used to pay for operations such as police, fire, and public works – most of what is considered general government services. Passage of the TDD proposal does not impact property taxes.

Current funding for street resurfacing is limited to the capital improvement sales tax, which brings in around \$2.6 million each year and is used to replace police patrol cars, heavy trucks, and maintain City buildings. There are inadequate funds for all those needs and the over \$1.6 million per year the City has been spending annually on average over the past five years for local street reconstruction and maintenance.

Missouri State Law requires that TDD funds be used ONLY for transportation-related projects and their maintenance. All public streets, sidewalks and curbs that are maintained by the City of Kirkwood will be eligible to be addressed by the TDD.

The TDD funds would be used on a pay as you go basis, or through bonds, to fund street improvements and resurfacing.

ROADWAY CONSTRUCTION PLANS

SOUTH KIRKWOOD ROAD IMPROVEMENTS

DESIGN STANDARDS

SIDEWALK CONSTRUCTION: PROWAG/MODOT STANDARD PLANS
ROADWAY CONSTRUCTION: MODOT STANDARD PLANS
LIGHTING/PAVEMENT MARKING/SIGNING: MODOT STANDARD PLANS

PROJECT SPECIFICATIONS

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
SPECIFICATION BOOK FOR HIGHWAY CONSTRUCTION
METROPOLITAN ST. LOUIS SEWER DISTRICT (MSD)
SPECIFICATIONS FOR SEWERS AND DRAINAGE
FACILITIES, LATEST EDITION

DESIGN CRITERIA

DESIGN SPEED	30 MPH
POSTED SPEED	30 MPH
CLASSIFICATION	PRINCIPLE ARTERIAL
2019 AADT	12910
2039 AADT	12910

CITY OF KIRKWOOD, MISSOURI 63122
RICHARD HOLESINGER, P.E., CITY ENGINEER

CITY OF KIRKWOOD, MISSOURI
SOUTH KIRKWOOD ROAD IMPROVEMENTS
STP-5502(615)
TOWNSHIP 44N RANGE 5E SECTION 1

PRELIMINARY PLANS

PROJECT BENCHMARK

NAV88(SLC2011A) ELEV = 665.13 FTUS (OR)
202.733 METER
NGVD29 ELEV = 665.42 FTUS
"STANDARD ALUMINUM DISK" STAMPED SL-04 1989
DISK IS SET ON THE SOUTHWEST CORNER WEST
WOODBINE AVENUE AND LINDBERGH BOULEVARD; 29'
SOUTH OF THE SOUTHEAST CORNER OF A TRAFFIC
SIGNAL BASE AND 13' SOUTHEAST OF THE SOUTHEAST
CORNER OF A SIGN FOR CONCORDIA LUTHERAN
CHURCH. <NGS PID="AA8610", DESIGNATION="SL
04"> SP MO EAST N=304153.9± E=258135.5± METER
- PUBLISHED ROUGH NAD83 LAT=38.574060° ±(N/+)
LONG=90.406636° ±(W/-)

PROJECT AREA LOCATION MAP



UTILITY OWNERS		CONTACT PERSON
MSD	2350 MARKET STREET ST. LOUIS, MO 63103	JOHN GRIMM (314) 768-2743
SPIRE ENERGY (LACLEDE GAS)	4118 SHREWSBURY AVE. SHREWSBURY, MO 63119	BRIAN LANGENBACHER (314) 768-7767
AT&T	12851 MANCHESTER ROAD DES PERES, MO 63131	JIM LASHLEY (636) 402-7027
CITY OF KIRKWOOD - WATER	139 SOUTH KIRKWOOD ROAD KIRKWOOD, MO 63112	CLARENCE PATTERSON (314) 822-5810
CITY OF KIRKWOOD - ELECTRIC	139 SOUTH KIRKWOOD ROAD KIRKWOOD, MO 63112	RICK MCKINLEY (314) 984-5925
CHARTER COMMUNICATIONS	2081 CORPORATE 44 DR - BUILDING #5 FENTON, MO 63026	JAMES RADCLIFF (314) 267-7150

APPROVED BY:

CITY ENGINEER

DATE

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UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE
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MISSOURI ONE CALL: 1-800-DIG-RITE (1-800-344-7483)

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SHEET NO.

1

SCALE

0 20 40 60

LEGEND

- PROPOSED CURB RAMP
- PROPOSED SIDEWALK
- MILL AND OVERLAY
- FULL DEPTH PAVEMENT REPLACEMENT

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SHEET 1 OF 7

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STP-5502 (615)

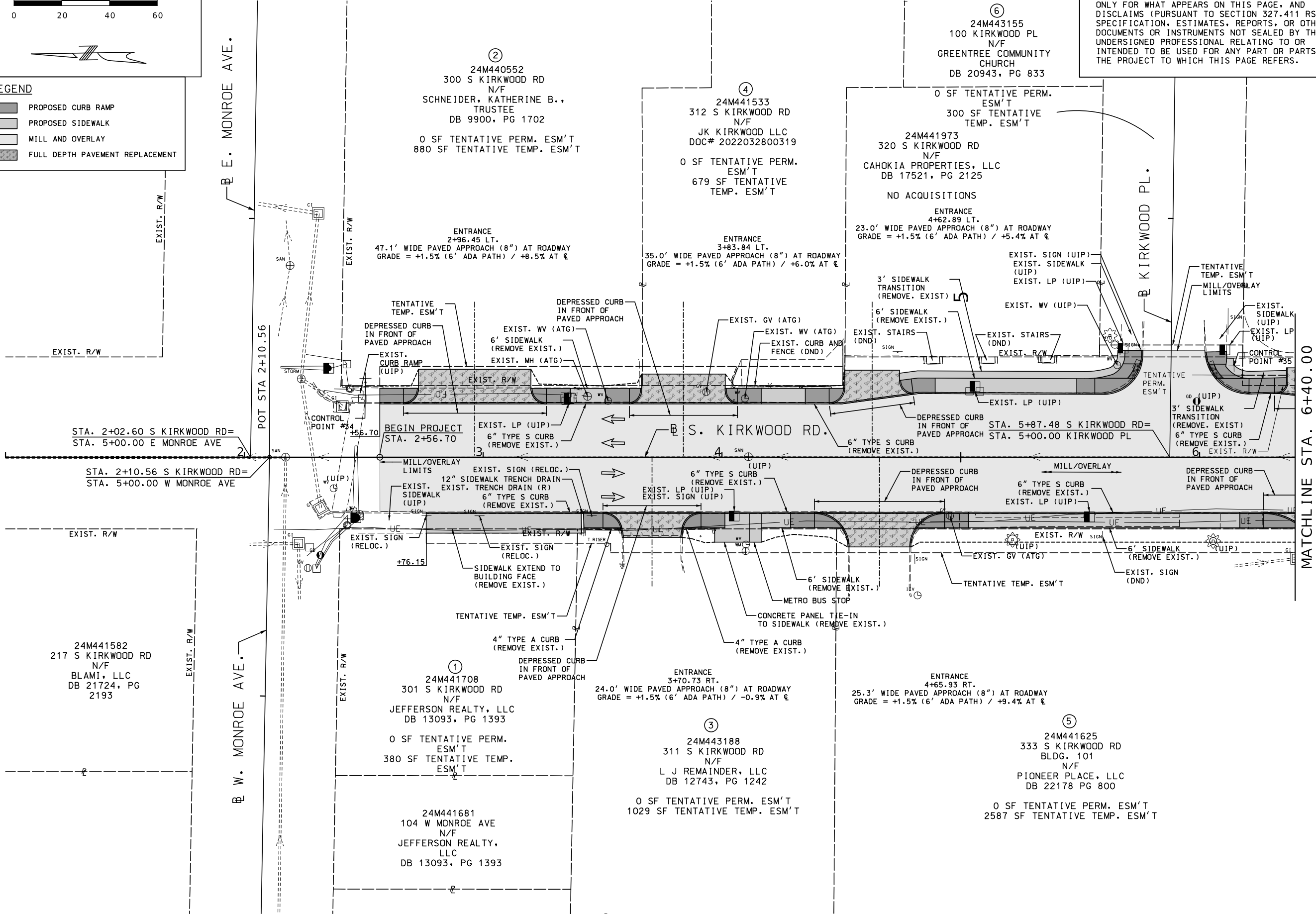


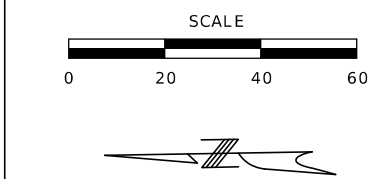
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- LEGEND
- PROPOSED CURB RAMP
 - PROPOSED SIDEWALK
 - MILL AND OVERLAY
 - FULL DEPTH PAVEMENT REPLACEMENT

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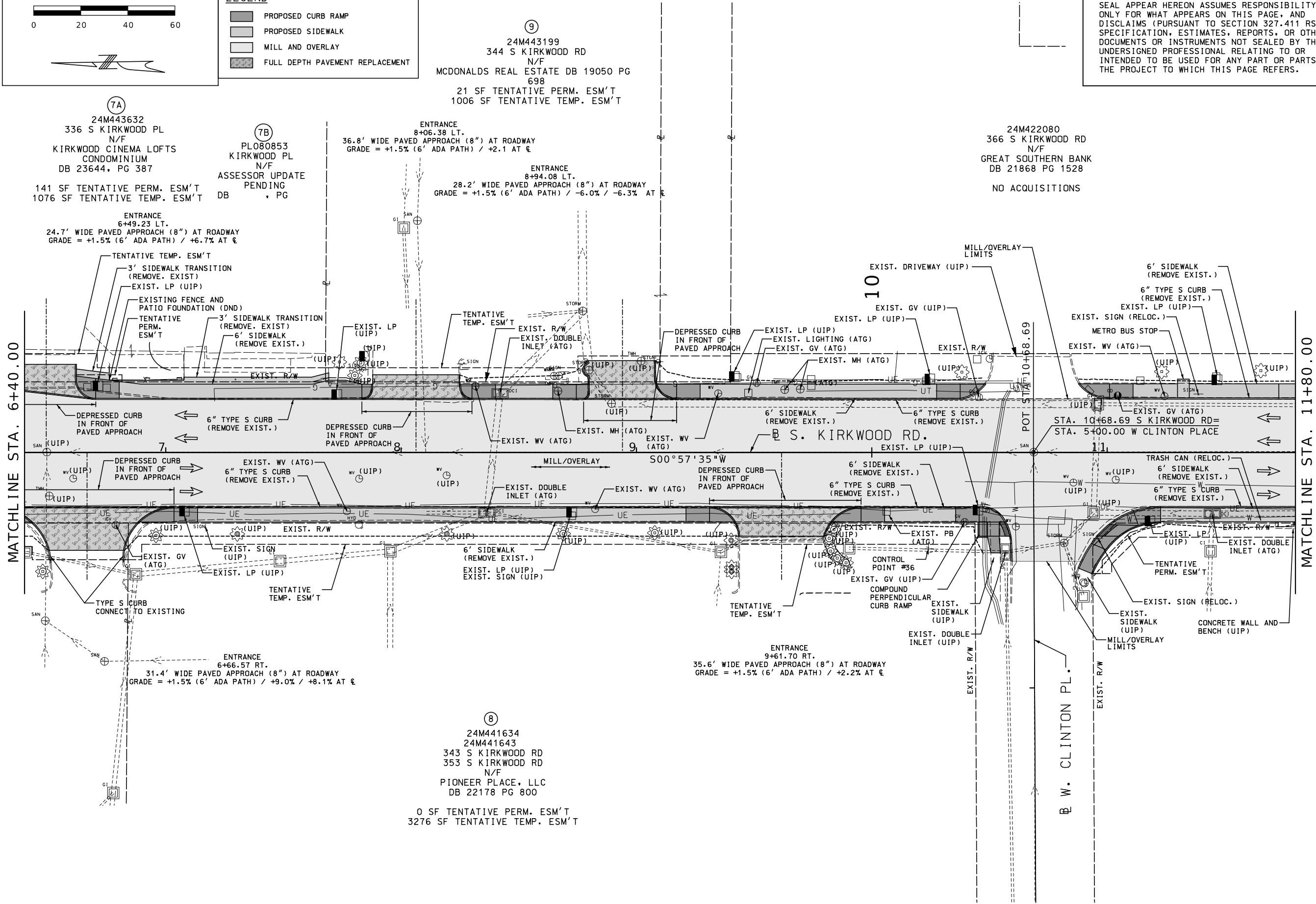


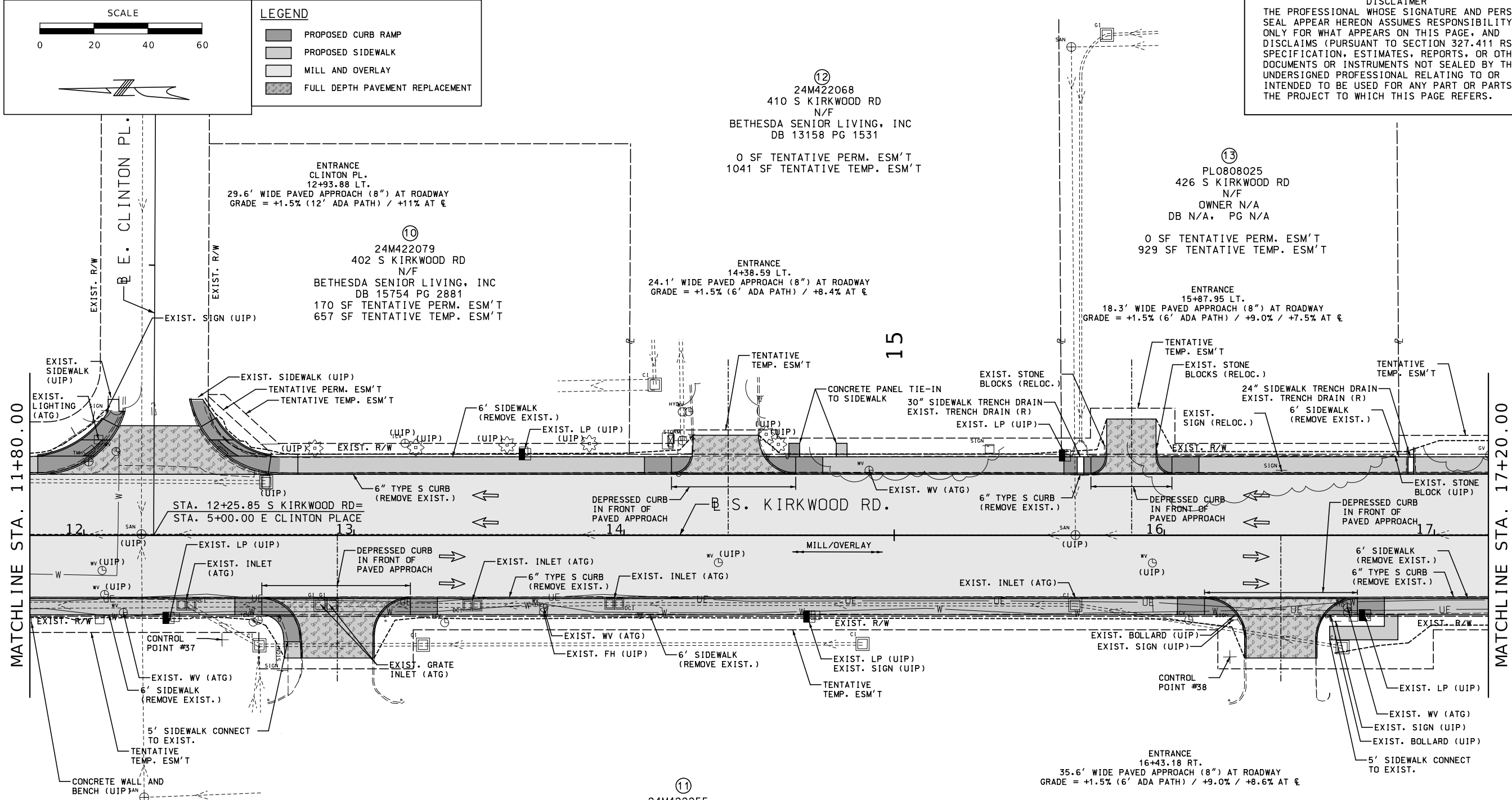
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SCALE
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LEGEND
PROPOSED CURB RAMP
PROPOSED SIDEWALK
MILL AND OVERLAY
FULL DEPTH PAVEMENT REPLACEMENT

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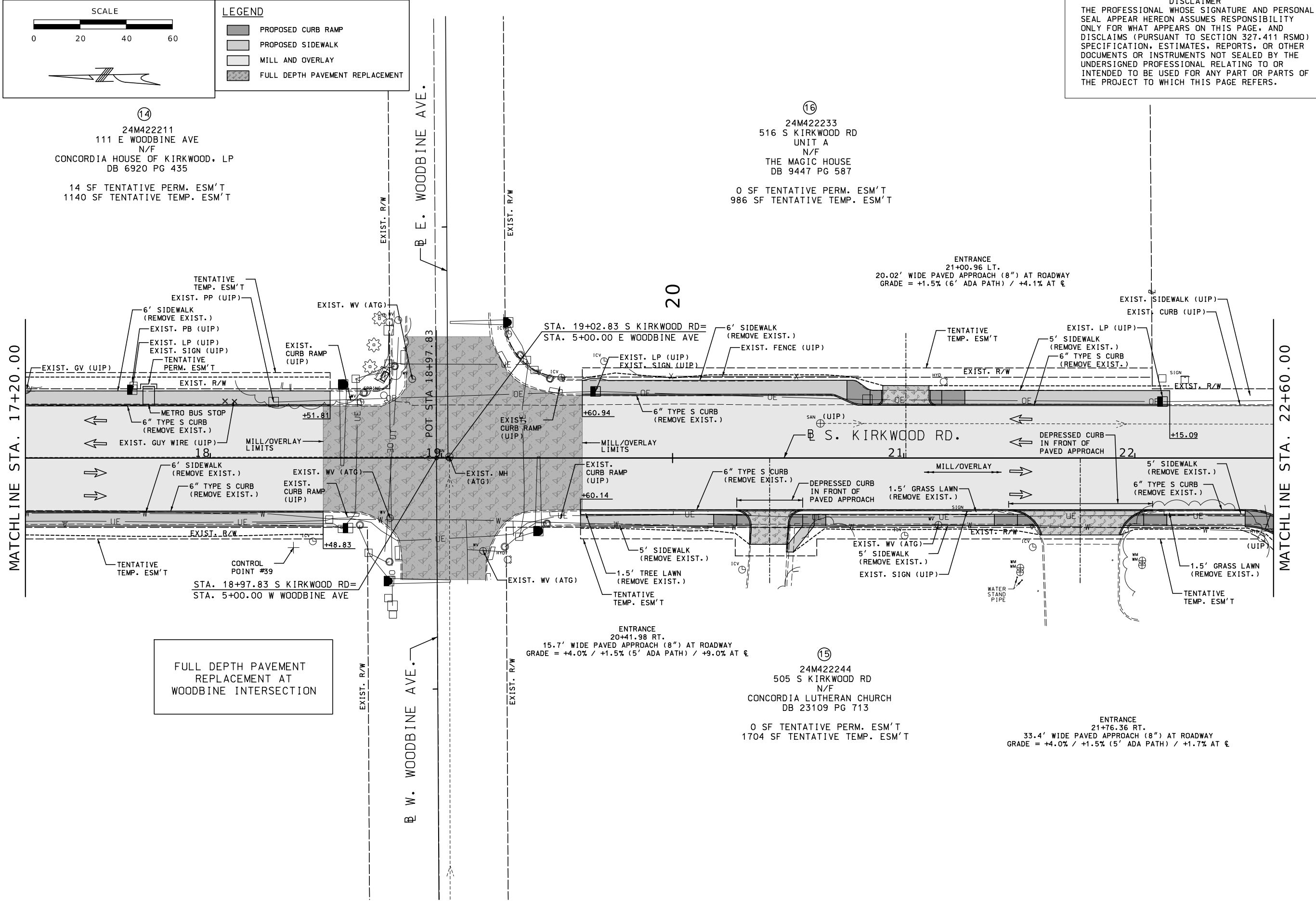
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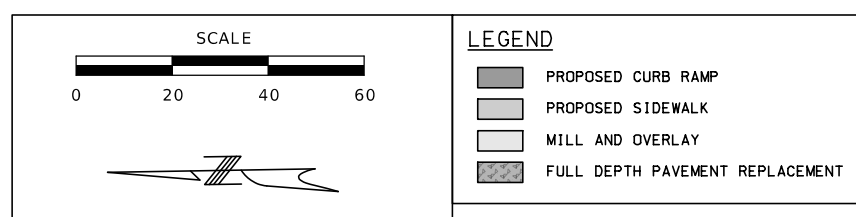
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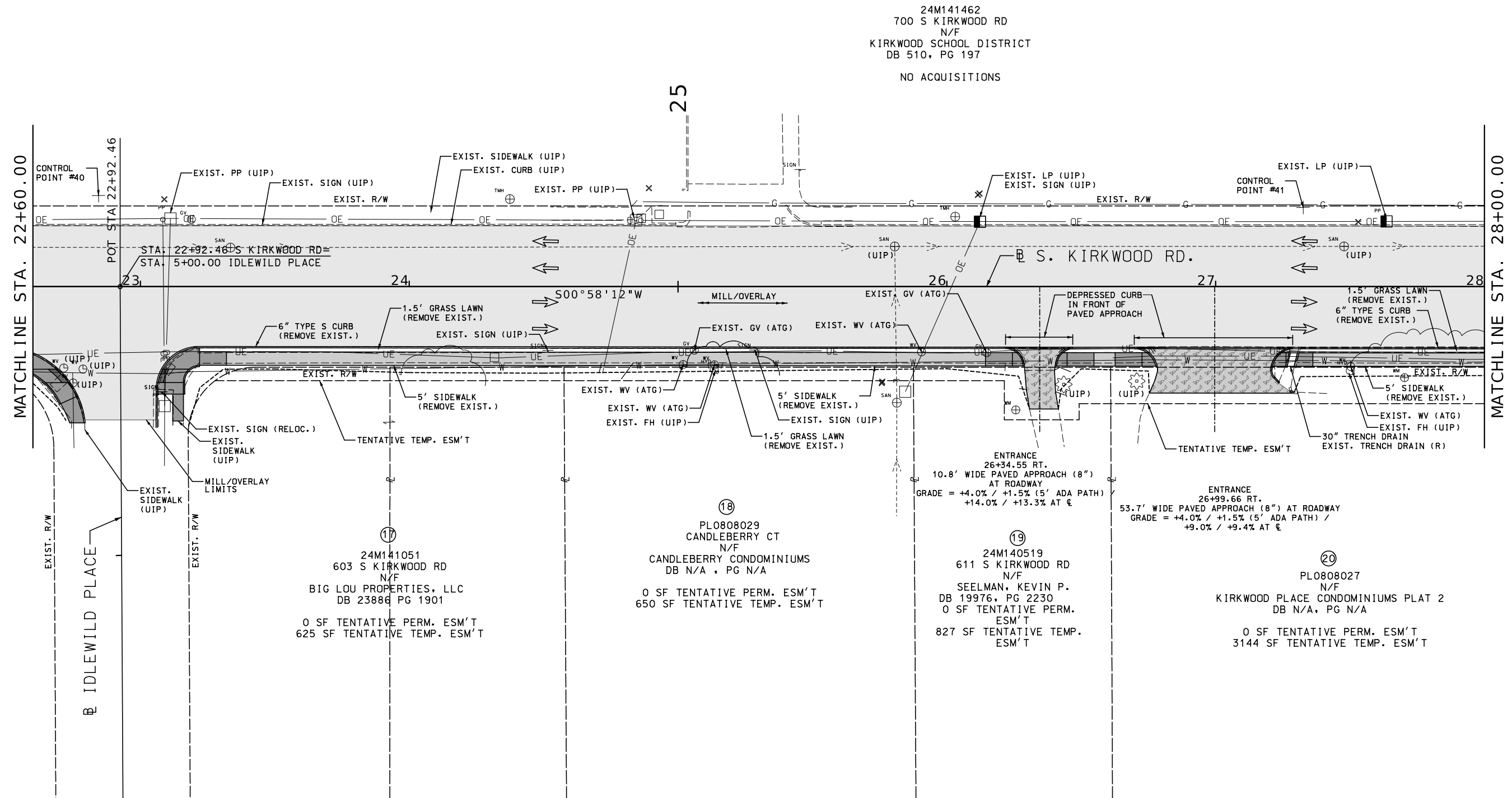
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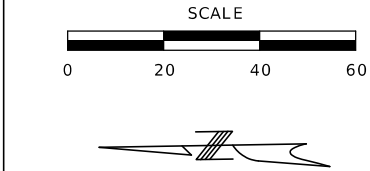
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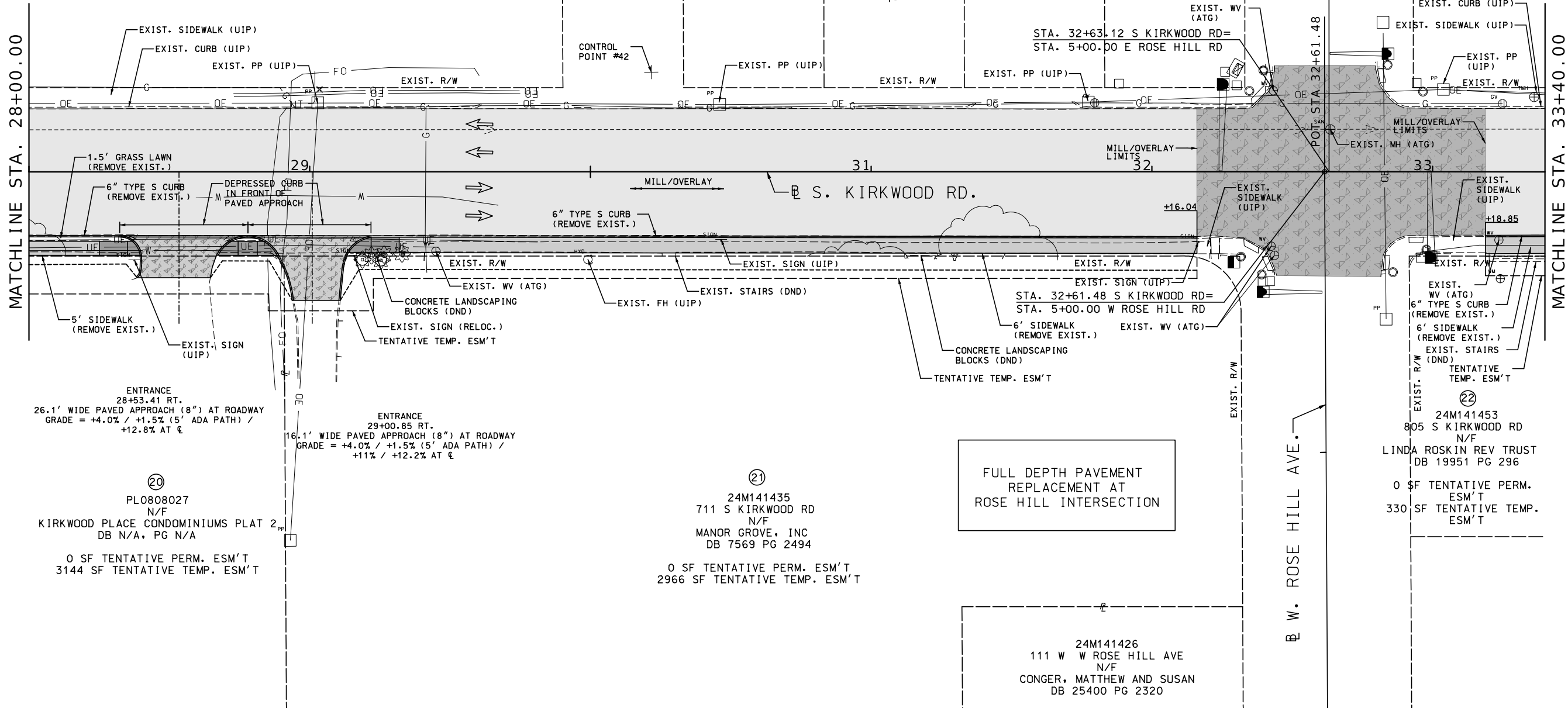
SHEET 8 OF 42

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LEGEND

	PROPOSED CURB RAMP
	PROPOSED SIDEWALK
	MILL AND OVERLAY
	FULL DEPTH PAVEMENT REPLACEMENT



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SCALE
0 20 40 60

LEGEND
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PROPOSED SIDEWALK
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JOB No: 22005032

SHEET 10 OF 42

MATCHLINE STA. 33+40.00

24M141352
816 S KIRKWOOD RD
N/F
KIRKWOOD OFFICE
PROPERTIES, LLC
DB 17720 PG 3781

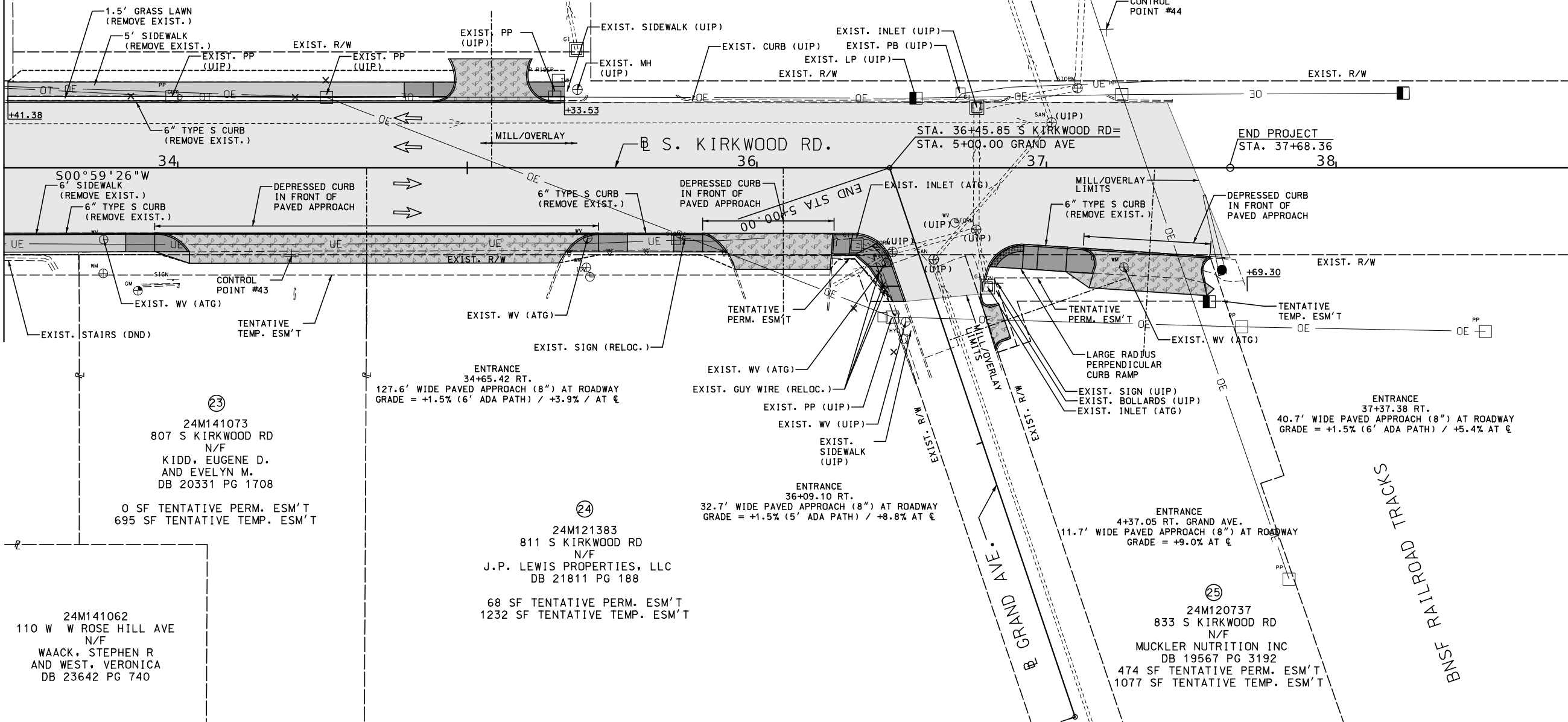
NO ACQUISITIONS

ENTRANCE
35+08.37 LT.
28.91' WIDE PAVED APPROACH (8") AT ROADWAY
GRADE = +1.5% / 1.5% (5' ADA PATH) / +6.8% AT E

24M121592
840 S KIRKWOOD RD
N/F
VINYARD AUTOMOTIVE
FINISHES, INC
DB 16067 PG 2377

NO ACQUISITIONS

N/F
BURLINGTON-NORTHERN
SANTA FE RAILROAD



24M141073
807 S KIRKWOOD RD
N/F
KIDD, EUGENE D.
AND EVELYN M.
DB 20331 PG 1708

0 SF TENTATIVE PERM. ESM'T
695 SF TENTATIVE TEMP. ESM'T

24M141062
110 W W ROSE HILL AVE
N/F
WAACK, STEPHEN R
AND WEST, VERONICA
DB 23642 PG 740

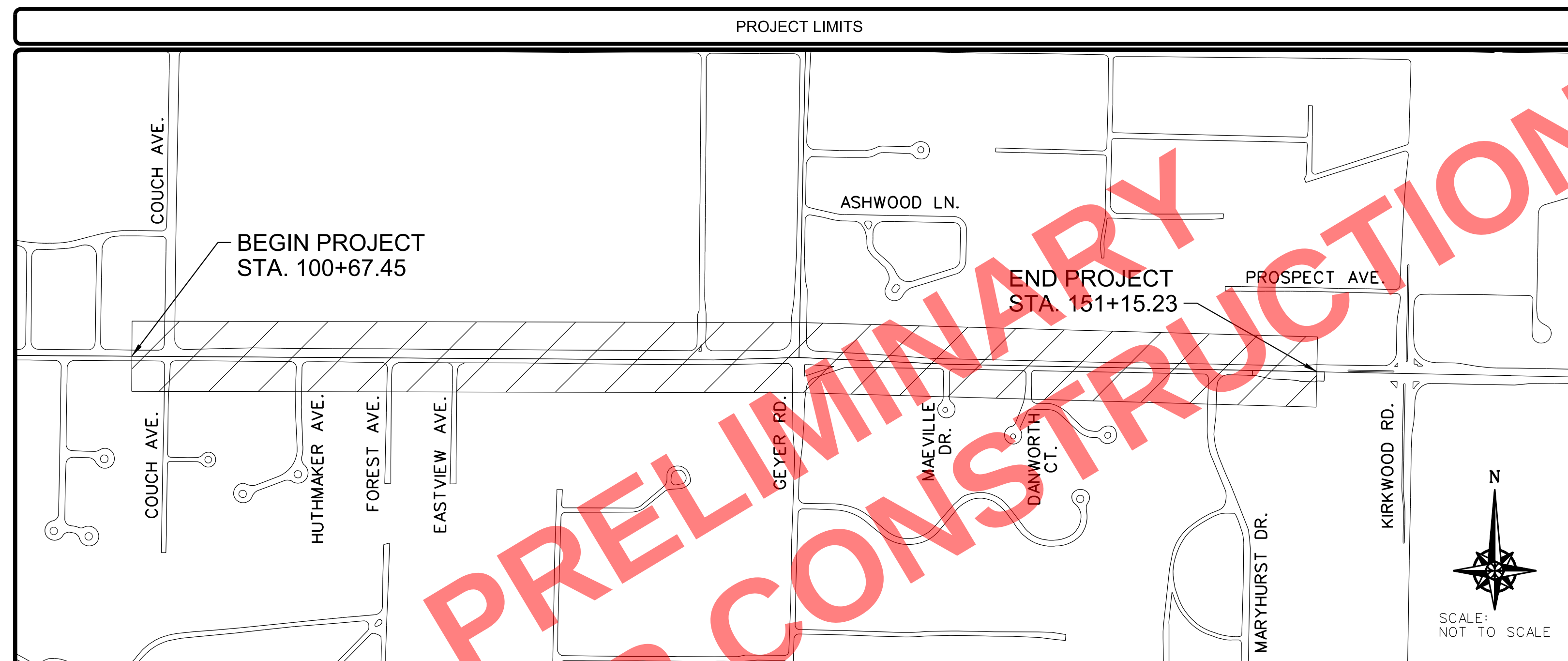
24M121383
811 S KIRKWOOD RD
N/F
J.P. LEWIS PROPERTIES, LLC
DB 21811 PG 188

68 SF TENTATIVE PERM. ESM'T
1232 SF TENTATIVE TEMP. ESM'T

24M120737
833 S KIRKWOOD RD
N/F
MUCKLER NUTRITION INC
DB 19567 PG 3192
474 SF TENTATIVE PERM. ESM'T
1077 SF TENTATIVE TEMP. ESM'T

PRELIMINARY PLANS FOR
BIG BEND ROAD ARS RESURFACING
ST. LOUIS COUNTY PROJECT NO. AR-1800
FEDERAL PROJECT NO. STP-5537(625)

DESCRIPTION	SYMBOL
RIGHT-OF-WAY NEW	---
RIGHT-OF-WAY EXISTING	---
PROPERTY LINE	—e—
UNDERGROUND UTILITY (TYPE SPECIFIED)	---
T-TELEPHONE/CATV G-GAS	---
W-WATER E-ELECTRIC	---
CONSTRUCTION LIMITS	---
TREE OR SHRUB (DESIGNATE DIA. & TYPE)	
TREE/VEGETATION LINE	---
FENCE (DESIGNATE TYPE)	---
GUARDRAIL	---
RAILROAD	---
SIGN	—■—
PERMANENT DRAINAGE EASEMENT	P.D.E.
PERMANENT SIDEWALK EASEMENT	P.S.E.
TEMPORARY SLOPE AND CONSTRUCTION LICENSE	T.S.C.L.
PERMANENT TRAFFIC SIGNAL EASEMENT	P.T.S.E.
PERMANENT FOOTING EASEMENT	P.F.F.
PERMANENT ROADWAY IMPROVEMENT, MAINTENANCE AND UTILITY EASEMENT	P.R.I.M.U.E.
PERMANENT ROADWAY IMPROVEMENT, MAINTENANCE AND UTILITY SIDEWALK AND SEWER EASEMENT	P.R.I.M.U.S.S.E.
PERMANENT RETAINING WALL EASEMENT	P.R.W.E.
TO BE REMOVED	(T.B.R.)
TO BE ABANDONED	(T.B.A.)
USE IN PLACE	(U.P.)
TO BE REMOVED AND REPLACED	(T.B.&R.)
TO BE REMOVED AND REPLACED BY OTHERS	(T.B.&R.B.O.)
ADJUST TO GRADE	(A.T.G.)
ADJUST TO GRADE BY OTHERS	(A.T.G.B.O.)
TO BE ABANDONED AND FILLED	(T.B.A.&F.)

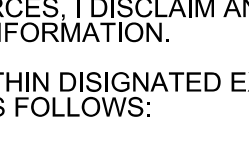


INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE AND INDEX SHEET
2-3	TYPICAL SECTIONS
4	SPECIAL NOTES
5-14	PLAN SHEETS
15-16	INTERSECTION DETAILS SHEETS
17-30	DETAIL SHEETS
31	BUS STOP PAD AND SIDEWALK CONSTRUCTION DETAILS
-	STANDARD TRAFFIC CONTROL DEVICES (7 SHEETS NOT NUMBERED)

PROJECT SPECIFIC INFORMATION	
BUS ROUTES:	
#21 - WATSON ROAD	METRO TO REMOVE AND
#56 - KIRKWOOD WEBSTER	REPLACE ALL BUS SIGNS.
#56X - TWIN OAKS EXPRESS	
ST. LOUIS COUNTY BENCHMARK: (ADD 0.30 FEET TO PROJECT ELEVATION TO RELATE PROJECT TO NGVD29.)	
18103	NAVD88(SLC2011A) ELEV = 642.84 FTUS "11" ON NORTHWEST CORNER OF THE BOTTOM STEP TO APARTMENTS; "15" WEST OF CENTRINE OF MARYHURST DRIVE AND 35' SOUTH OF CENTRINE OF BIG BEND ROAD.
18336	NAVD88(SLC2011A) ELEV = 635.07 FTUS FOUND CROSS NEAR THE SOUTHEAST CORNER OF A CONCRETE TRAFFIC ISLAND SITUATED SOUTHEAST OF THE RIGHT TURN LANE FROM SOUTHBOWN GEYER ROAD ONTO WESTBOUND BIG BEND ROAD; 1.2 FEET WEST OF THE EAST CURB FACE OF ISLAND, 1.7 FEET NORTH OF THE SOUTH CURB FACE OF ISLAND, ROUGHLY 30 FEET SOUTH OF THE CENTERLINE OF GEYER ROAD AND 32 FEET NORTH OF THE CENTERLINE OF BIG BEND ROAD.
18345	NAVD88(SLC2011A) ELEV = 669.79 FTUS FOUND SQUARE ON THE TOP NORTH SIDE OF CONCRETE BASE FOR TRAFFIC SIGNAL MAST OF THE SOUTHWEST CORNER OF BIG BEND ROAD AND COUCH AVENUE; ROUGHLY 33 FEET SOUTH OF THE CENTERLINE OF BIG BEND ROAD AND 23 FEET WEST OF THE CENTERLINE OF COUCH AVENUE

DESIGN CRITERIA	
FUNCTIONAL CLASSIFICATION:	MINOR ARTERIAL
DESIGN YEAR:	2019
CURRENT AADT (2019):	20,650
DESIGN AADT (2029):	21,710
DIRECTIONAL DISTRIBUTION (D) =	N/A
TRUCK PERCENTAGE (T) =	5.0%
DESIGN SPEED (V) =	40 MPH
POSTED SPEED (V) =	35 MPH

BIG BEND ROAD			
END OF PROJECT	STA.	151+15.23	
BEGINNING OF PROJECT	STA.	100+67.45	
APPARENT LENGTH		5,047.78	FEET
EQUATIONS AND EXCEPTIONS		0	FEET
TOTAL CORRECTIONS		0	FEET
NET LENGTH OF PROJECT		5,047.78	FEET
STATE LENGTH		0.96	MILES
FEDERAL LENGTH		0.96	MILES

AS-BUILT CERTIFICATION	
THE EXISTING SEWER LENGTHS, SIZES, FLOWLINES, DEPTHS OF STRUCTURES AND SEWERS AND LOCATIONS WITH RESPECT TO EXISTING OR PROPOSED EASEMENTS HAVE BEEN MEASURED. THE RESULTS OF THOSE MEASUREMENTS ARE SHOWN ON THIS SET OF FINAL MEASUREMENT PLANS. SINCE THE WYE LOCATIONS HAVE BEEN PLOTTED FROM INFORMATION PROVIDED BY THE SEWER CONTRACTOR OR OTHER SOURCES, I DISCLAIM ANY RESPONSIBILITY FOR THAT SPECIFIC INFORMATION. ALL PUBLIC SEWERS ARE LOCATED WITHIN DESIGNATED EXISTING OR PROPOSED EASEMENTS EXCEPT AS FOLLOWS: SIGNED P.E. _____ DATE _____  IT SHOULD BE UNDERSTOOD THAT THIS SIGNATURE AND SEAL APPLY ONLY TO THE AFOREMENTIONED FINAL MEASUREMENTS	



Saint Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

STANDARD SPECIFICATIONS

UNLESS OTHERWISE NOTED, ALL WORK ON THIS PROJECT SHALL BE COVERED BY THE ST. LOUIS COUNTY STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND BY APPLICABLE ST. LOUIS COUNTY STANDARD DRAWINGS.

UTILITY NOTE

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES IF SHOWN HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS; AND, THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID THEM.

M.S.D. P-NUMBER:	_____
M.S.D. BASE MAP:	24M, 24N, 25M, 25N
REVIEW ENGINEER:	_____
APPROVAL DATE:	_____

APPROVED: _____
Stephanie Leon Streeter, P.E.
Acting Director

DATE: _____

COUNTY PROJECT NO. AR-1800	
FEDERAL PROJECT NO. STP-5537(625)	
E-W GATEWAY TIP NO. 6963B-23	
MSD: P-XXMSD-XXXXX	
MSD BASE MAP: 24M, 24N, 25M, 25N	
REVISIONS REV DATE BY APP	

DISCLAIMER OF RESPONSIBILITY

I hereby specify that the documents intended to be authorized by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part of the engineering project or survey

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: 23-NOV-2021

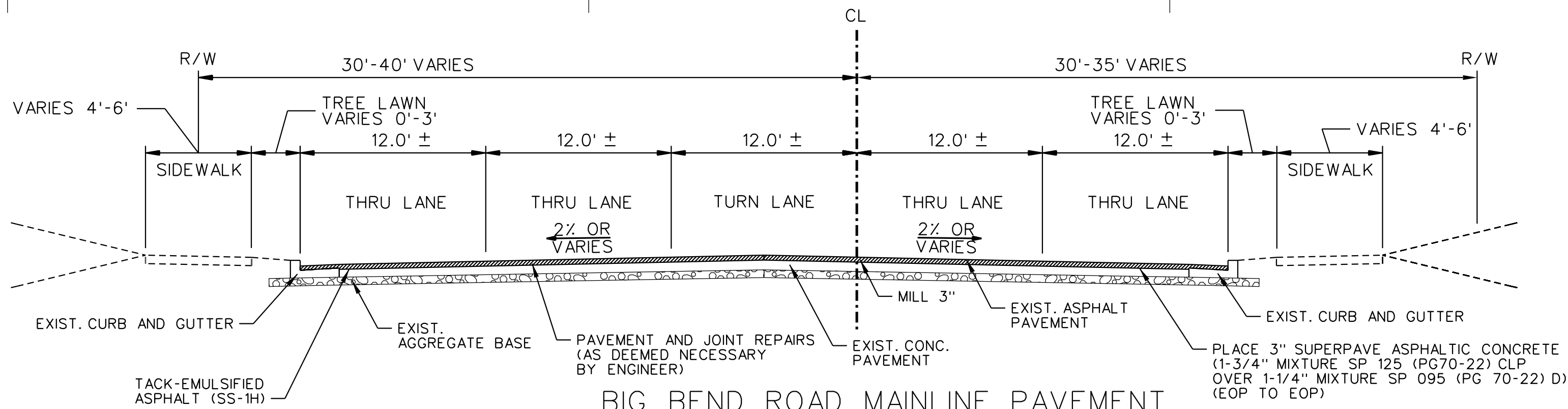
CDG
ENGINEERS

One Campbell Plaza
St. Louis, Missouri 63139
T. 314.781.7770 F. 314.781.9075
Missouri State Certificate of Authority #1721

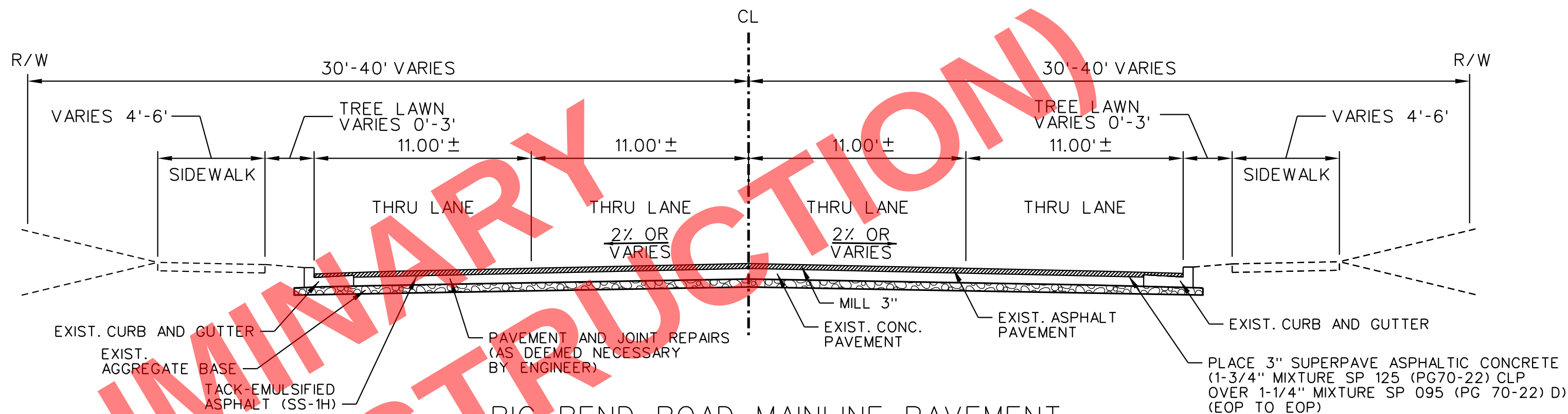
Saint Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

BIG BEND ROAD ARS RESURFACING	TITLE AND INDEX SHEET
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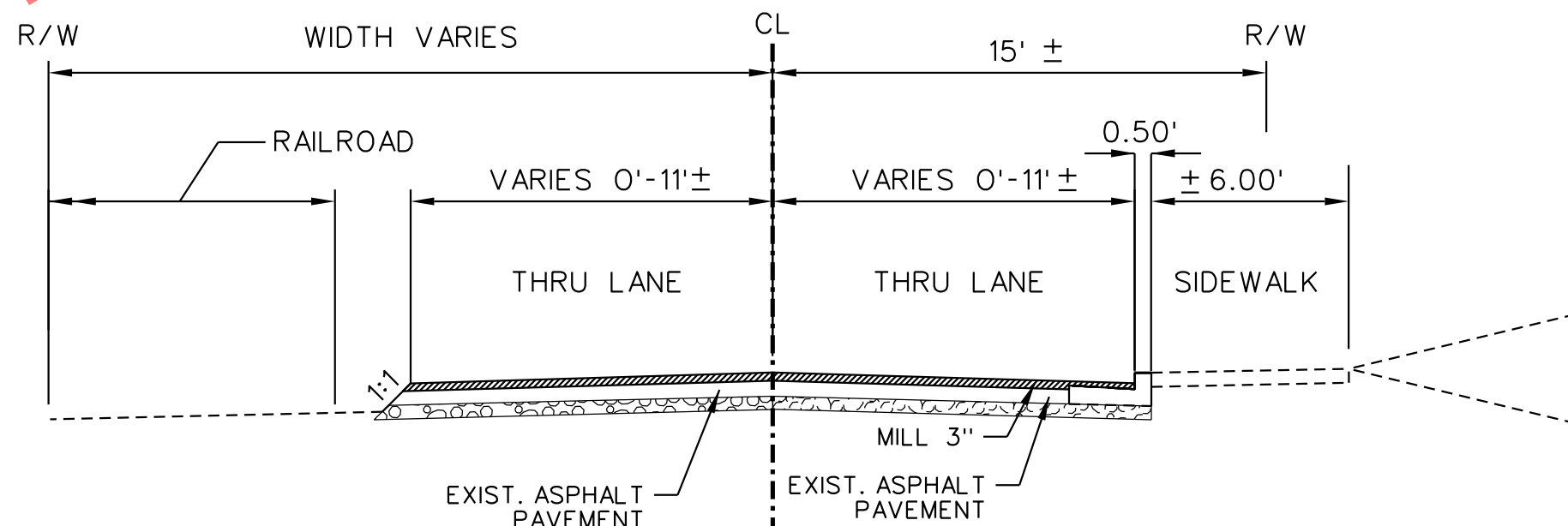
DESIGNED: C.MCCORKLE
DRAWN: C.MCCORKLE
CHECKED: D. RIECK
SHEET SEQUENCE: 1 OF 31



BIG BEND ROAD MAINLINE PAVEMENT
COUCH AVE. TO MAEVILLE DR. AND MARYHURST DR. TO END OF PROJECT
(WITH TURNING LANE ONLY)
TYPICAL SECTION 1
STA. 101+54.51 TO STA. 135+10.79 AND STA. 146+58.74 TO STA. 151+15.23



BIG BEND ROAD MAINLINE PAVEMENT
BEGINNING OF PROJECT TO COUCH AVE. AND MAEVILLE DR. TO MARYHURST DR.
TYPICAL SECTION 2
STA. 100+67.45 TO STA. 101+54.51 AND STA. 135+10.79 TO STA. 146+58.74



BIG BEND ROAD MAINLINE PAVEMENT
AT GEYER ROAD CUT-THROUGH
TYPICAL SECTION 3
STA. 129+14.59 TO STA. 130+48.85

NOTE:

THE ABOVE TYPICAL SECTIONS ARE INTENDED TO PROVIDE GUIDANCE TO THE LIMITS OF THE PAVEMENT REHABILITATION OPERATIONS. THE PAVEMENT MATERIALS AND DEPTHS SHOWN WERE PLOTTED FROM EXISTING RECORDS AND MAY DIFFER SIGNIFICANTLY FROM ACTUAL FIELD CONDITIONS. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES DURING CONSTRUCTION OPERATIONS TO ENSURE PAVEMENT CROSS SLOPE MAINTAINS POSITIVE DRAINAGE AS DIRECTED BY THE ENGINEER. STATIONING SHOWN SHOULD BE CONSIDERED APPROXIMATE ONLY.

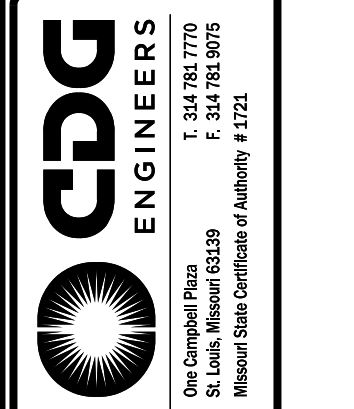
COUNTY PROJECT NO.
AR-1800
FEDERAL PROJECT NO.
STP-5537(625)
E-W GATEWAY TIP NO.
6963B-23
MSD:
P-XXMSD-XXXXX
MSD BASE MAP:
24M, 24N, 25M, 25N

REVISIONS	
REV.	DESCRIPTION

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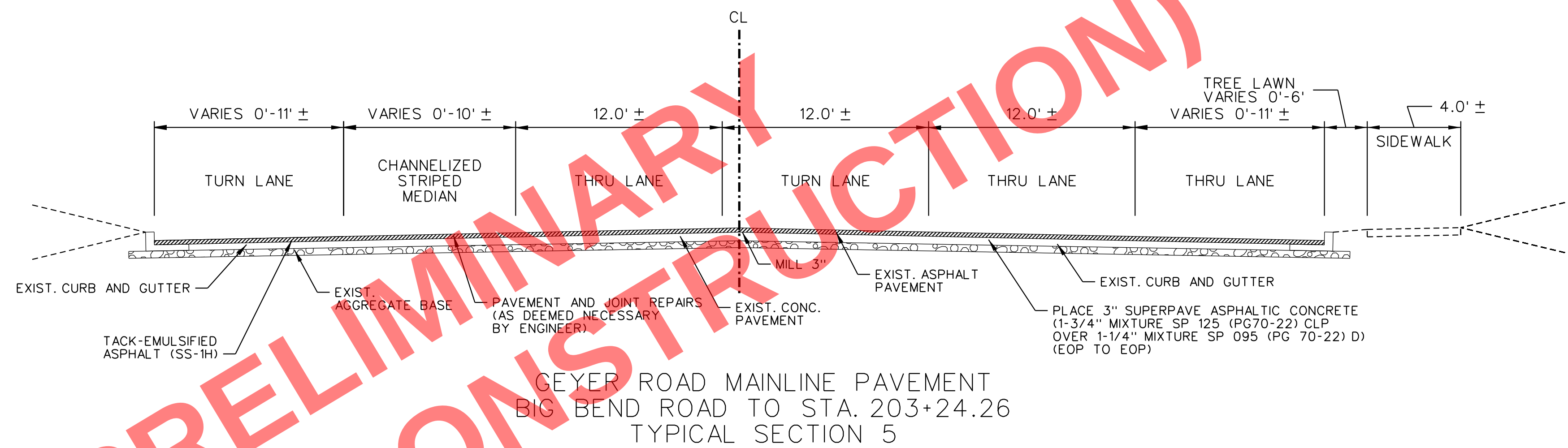
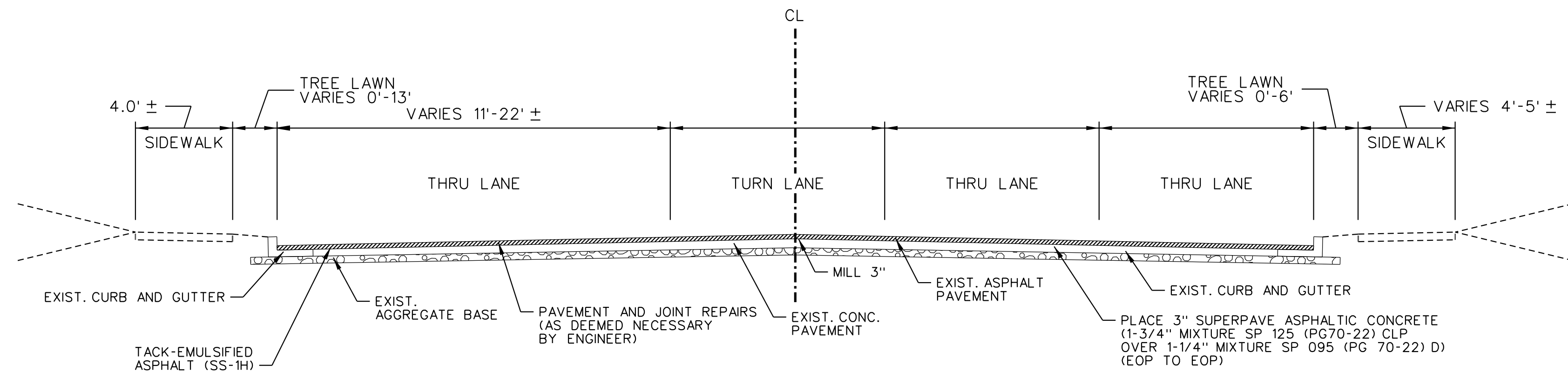
PRELIMINARY
NOT FOR
CONSTRUCTION

DATE:
23-NOV-2021



BIG BEND ROAD
ARS RESURFACING
TYPICAL SECTIONS
(SHEET 1 OF 2)

DESIGNED:
C.MCCORKLE
DRAWN:
C.MCCORKLE
CHECKED:
D. RIECK
SHEET SEQUENCE:
2 OF 31



NOTE:

THE ABOVE TYPICAL SECTIONS ARE INTENDED TO PROVIDE GUIDANCE TO THE LIMITS OF THE PAVEMENT REHABILITATION OPERATIONS. THE PAVEMENT MATERIALS AND DEPTHS SHOWN WERE PLOTTED FROM EXISTING RECORDS AND MAY DIFFER SIGNIFICANTLY FROM ACTUAL FIELD CONDITIONS. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES DURING CONSTRUCTION OPERATIONS TO ENSURE PAVEMENT CROSS SLOPE MAINTAINS POSITIVE DRAINAGE AS DIRECTED BY THE ENGINEER. STATIONING SHOWN SHOULD BE CONSIDERED APPROXIMATE ONLY.

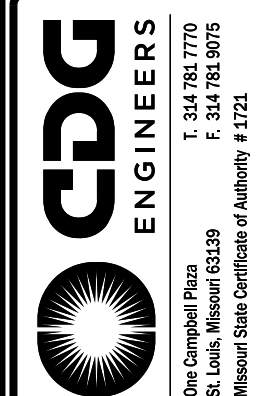
COUNTY PROJECT NO. AR-1800
FEDERAL PROJECT NO. STP-5537(625)
E-W GATEWAY TIP NO. 6963B-23
MSD: P-XXMSD-XXXXX
MSD BASE MAP: 24M, 24N, 25M, 25N

[illegible]

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PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: 23-NOV-2021



BIG BEND ROAD
ARS RESURFACING

TYPICAL SECTIONS
(SHEET 2 OF 2)

DESIGNED:
C.MCCORKLE

DRAWN:
C.MCCORKLE

CHECKED:
D. RIECK

SHEET SEQUENCE:
3 OF 31

THE UNDERGROUND UTILITIES IF SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF ANY IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMO.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ST. LOUIS COUNTY DEPARTMENT OF TRANSPORTATION, DIVISION OF OPERATIONS (SIGNALS SECTIONS), AT 314-615-0215, A MINIMUM OF 48 HOURS IN ADVANCE OF CONSTRUCTION WORK FOR LOCATING AND SPOTTING EXISTING TRAFFIC SIGNAL CONDUIT. IN THE EVENT THE CONTRACTOR DAMAGES THE CONDUIT, REPAIRS SHALL BE MADE AT THEIR COST BY AN ELECTRICAL CONTRACTOR AS DIRECTED BY ST. LOUIS COUNTY.

MAINTENANCE OF THE SEWERS DESIGNATED "PUBLIC" SHALL BE THE RESPONSIBILITY OF THE METROPOLITAN ST. LOUIS SEWER DISTRICT UPON DEDICATION OF THE SEWERS TO THE DISTRICT.

THE REMOVAL AND REPLACEMENT, OR REHABILITAION OF THE EXISTING STRUCTURE WILL BE DETERMINED BY THE MSD FIELD INSPECTOR. IF THE STRUCTURE IS DETERMINED TO REMAIN IN PLACE, THEN THE TOP SHALL BE ADJUSTED TO GRADE, IF NEEDED.

ALL STORM AND SANITARY SEWER STRUCTURES AND APPURTENANCES TO BE DEDICATED TO MSD, OR TO BE PRIVATE UNDER MSD INSPECTION, SHALL CONFORM TO THE METROPLITAN ST. LOUIS SEWER DISTRICT, STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWERS AND DRAINAGE FACILITIES, 2009. THAT WILL INCLUDE STANDARD DETAILS SHOWN THEREIN, AND SHALL INCLUDE ALL SUBSEQUENT CHANGES MADE THERETO.

PROJECT DISTURBANCE = XX.XX ACRES
PROJECT RUNOFF DIFFERENTIAL = XX.XX CFS

COUNTY PROJECT NO.
AR-1800

FEDERAL PROJECT NO.
STP-5537(625)

E-W GATEWAY TIP NO.
6963B-23

MSD:
P-XXMSD-XXXXX

MSD BASE MAP:
24M, 24N, 25M, 25N

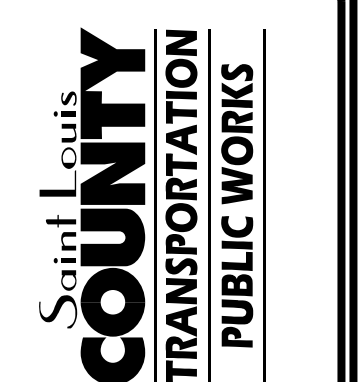
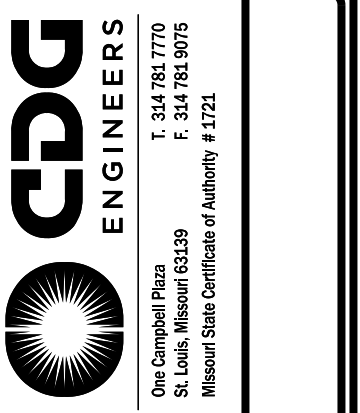
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CONSTRUCTION

DATE: 23-NOV-2021

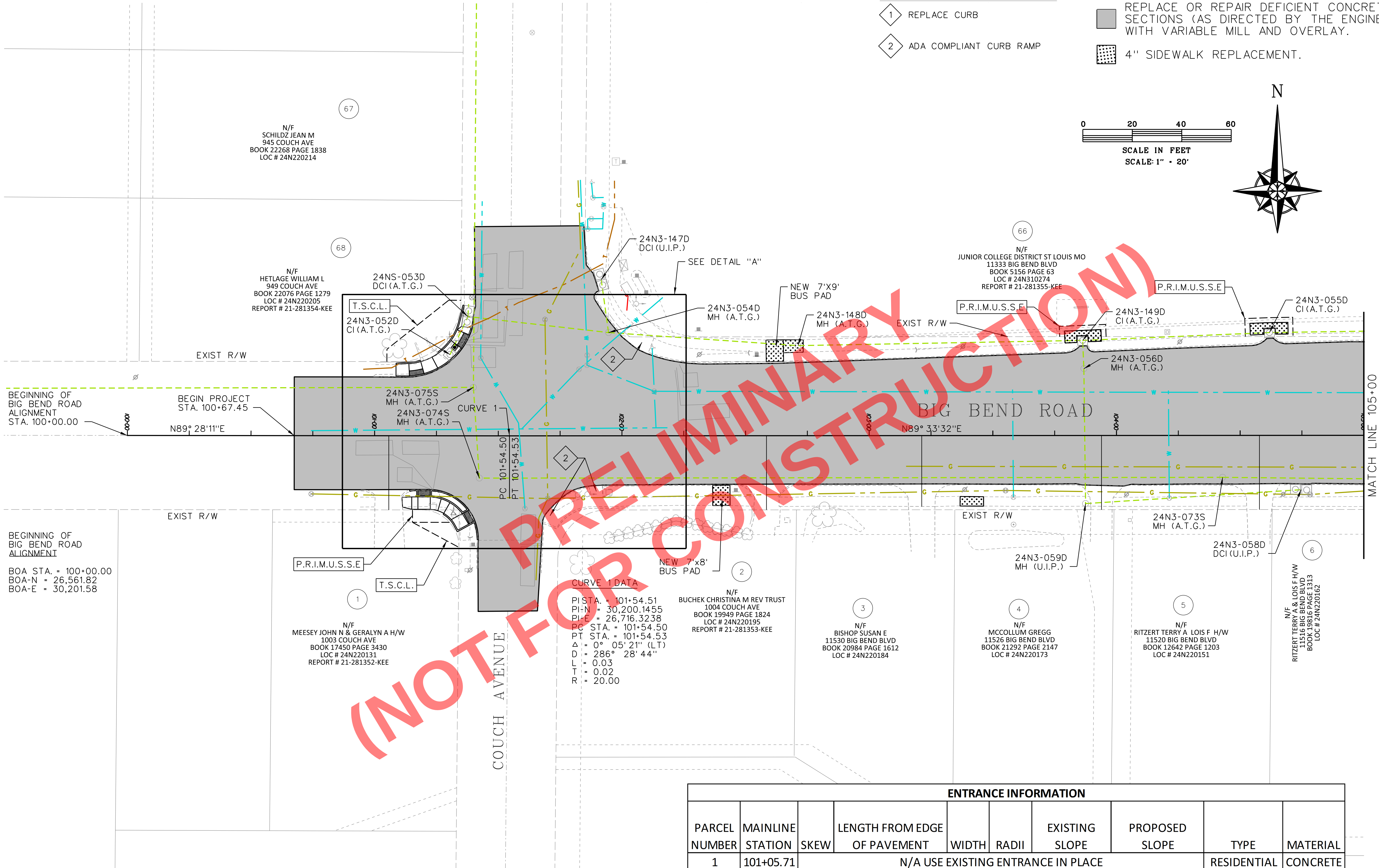
BIG BEND ROAD
ARS RESURFACINGSPECIAL NOTES
(SHEET 1 OF 1)

DESIGNED:
C.MCCORKLE

DRAWN:
C.MCCORKLE

CHECKED:
D. RIECK

SHEET SEQUENCE:
4 OF 31



KEYED NOTES:
1 REPLACE CURB
2 ADA COMPLIANT CURB RAMP

LEGEND:
REPLACE OR REPAIR DEFICIENT CONCRETE SECTIONS (AS DIRECTED BY THE ENGINEER) WITH VARIABLE MILL AND OVERLAY.
4" SIDEWALK REPLACEMENT.

N/F
SCHILDZ JEAN M
945 COUCH AVE
BOOK 22268 PAGE 1838
LOC # 24N220214

N/F
HETLAGE WILLIAM L
949 COUCH AVE
BOOK 22076 PAGE 1279
LOC # 24N220205
REPORT # 21-281354-KEE

BEGINNING OF
BIG BEND ROAD
ALIGNMENT
STA. 100+00.00

BEGIN PROJECT
STA. 100+67.45
N89° 28' 11" E

BEGINNING OF
BIG BEND ROAD
ALIGNMENT
BOA STA. = 100+00.00
BOA-N = 26,561.82
BOA-E = 30,201.58

N/F
MEESSEY JOHN N & GERALYN A H/W
1003 COUCH AVE
BOOK 17450 PAGE 3430
LOC # 24N220131
REPORT # 21-281352-KEE

CURVE 1 DATA
PI STA. = 101+54.51
PI-N = 30,200.1455
PI-E = 26,716.3238
PC STA. = 101+54.50
PT STA. = 101+54.53
Δ = 0° 05' 21" (LT)
D = 286° 28' 44"
L = 0.03
T = 0.02
R = 20.00

N/F
BUCHEK CHRISTINA M REV TRUST
1004 COUCH AVE
BOOK 19949 PAGE 1824
LOC # 24N220195
REPORT # 21-281353-KEE

N/F
BISHOP SUSAN E
11530 BIG BEND BLVD
BOOK 20984 PAGE 1612
LOC # 24N220184

N/F
MCCOLLUM GREGG
11526 BIG BEND BLVD
BOOK 21292 PAGE 2147
LOC # 24N220173

N/F
RITZERT TERRY A LOIS F H/W
11520 BIG BEND BLVD
BOOK 12642 PAGE 1203
LOC # 24N220151

N/F
RITZERT TERRY A & LOIS F H/W
11520 BIG BEND BLVD
BOOK 12642 PAGE 1203
LOC # 24N220151

ENTRANCE INFORMATION									
PARCEL NUMBER	MAINLINE STATION	SKREW	LENGTH FROM EDGE OF PAVEMENT	WIDTH	RADII	EXISTING SLOPE	PROPOSED SLOPE	TYPE	MATERIAL
1	101+05.71		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE
2	102+58.44		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE
3	103+21.20		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE
4	103+93.93		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	ASPHALT
5	104+57.79		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	ASPHALT

COUNTY PROJECT NO.
AR-1800

FEDERAL PROJECT NO.
STP-5537(625)

E-W GATEWAY TIP NO.
6963B-23

MSD
P-XXMSD-XXXXX

MSD BASE MAP:
24M, 24N, 25M, 25N

REV	DATE	BY	APP	DESCRIPTION

I, the undersigned, being a duly licensed Professional Engineer in the State of Missouri, do hereby certify that the foregoing is a true and correct copy of the original as filed in my office, and I hereby disclaim any responsibility for all other drawings, specifications, or documents or instruments relating to or intended to be used for any part of the surveying project to survey.

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE:
23-NOV-2021

CDG
ENGINEERS
For Complete Plans
St. Louis, Missouri 63139
Missouri State Certificate of Authority #1721
T: 314.782.7770
F: 314.782.9078

Saint Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

BIG BEND ROAD
ARS RESURFACING

PLAN SHEETS
(1 OF 10)

DESIGNED:
C.MCCORKLE

DRAWN:
C.MCCORKLE

CHECKED:
D. RIECK

SHEET SEQUENCE:
5 OF 31

LEGEND:

REPLACE OR REPAIR DEFICIENT CONCRETE SECTIONS (AS DIRECTED BY THE ENGINEER) WITH VARIABLE MILL AND OVERLAY.

4" SIDEWALK REPLACEMENT.

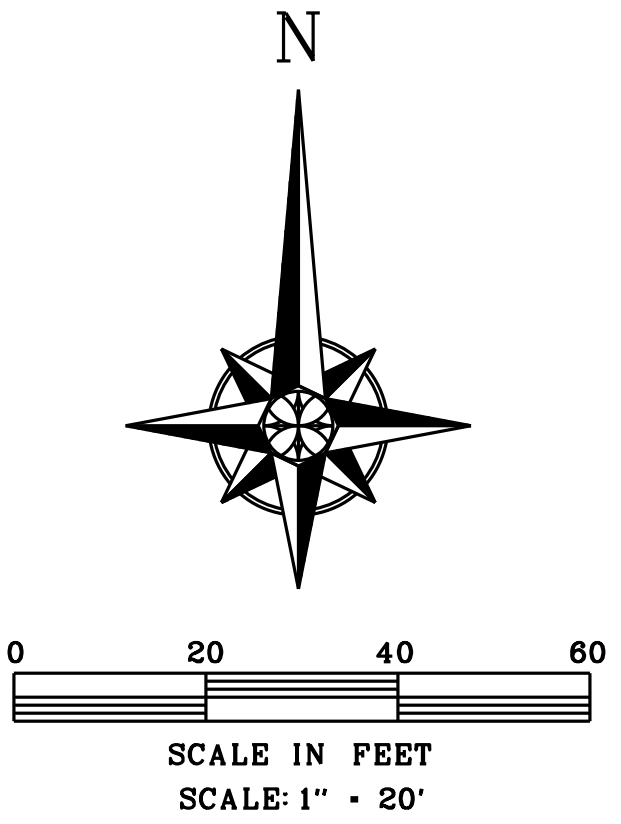
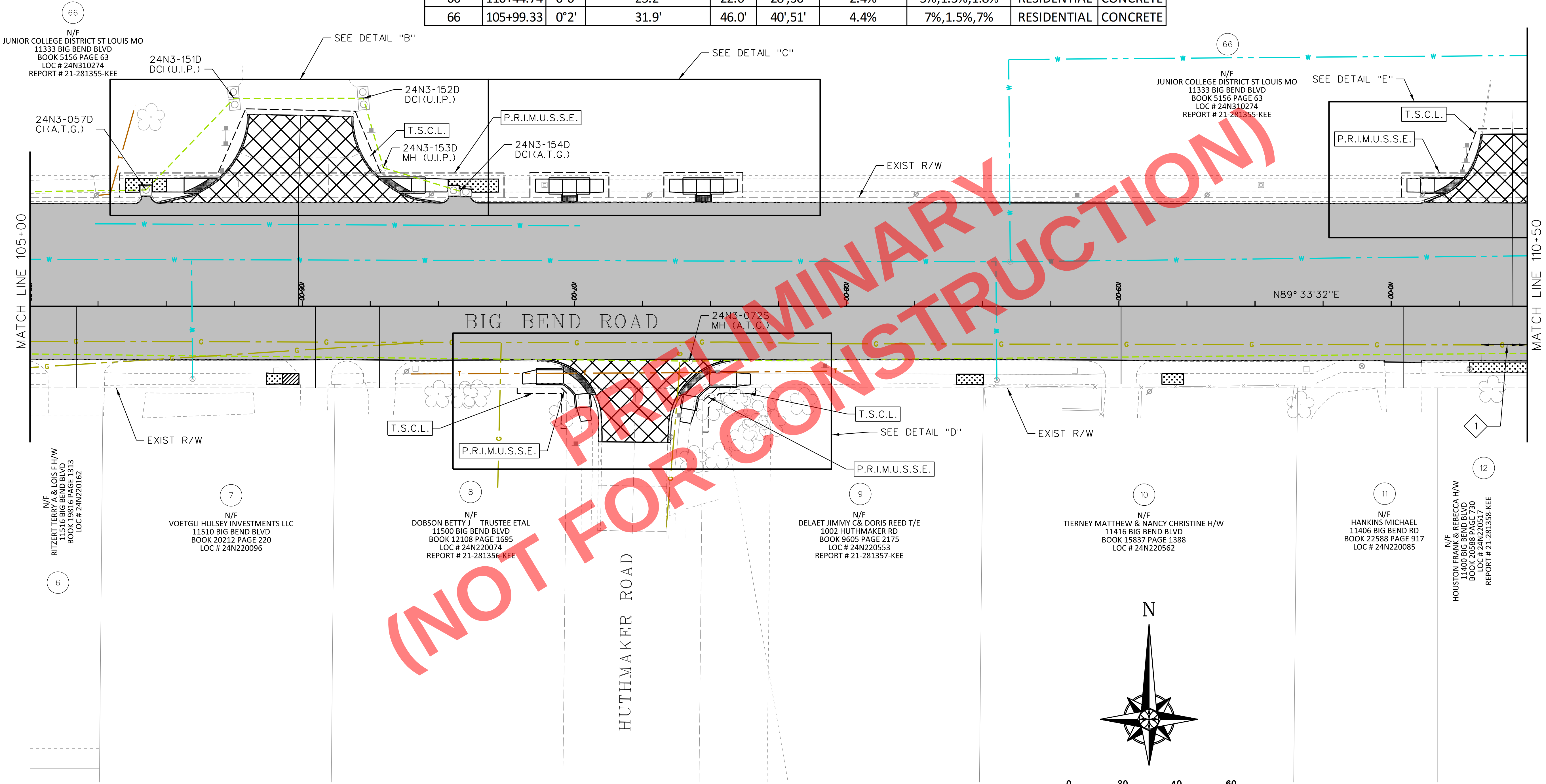
6" SIDEWALK REPLACEMENT.

CONCRETE ROADWAY/DRIVEWAY REPLACEMENT.

ENTRANCE INFORMATION									
PARCEL NUMBER	MAINLINE STATION	SKEW	LENGTH FROM EDGE OF PAVEMENT	WIDTH	RADII	EXISTING SLOPE	PROPOSED SLOPE	TYPE	MATERIAL
6	105+16.88		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE
7	106+04.83		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE
8	106+28.42		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	ASPHALT
10	109+00.72		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	ASPHALT
11	110+04.58		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE
66	110+44.74	0°6'	25.2'	22.6'	28',30'	2.4%	5%,1.5%,1.8%	RESIDENTIAL	CONCRETE
66	105+99.33	0°2'	31.9'	46.0'	40',51'	4.4%	7%,1.5%,7%	RESIDENTIAL	CONCRETE

KEYED NOTES:

- 1 REPLACE CURB
- 2 ADA COMPLIANT CURB RAMP



COUNTY PROJECT NO.
AR-1800

FEDERAL PROJECT NO.
STP-5537(625)

E-W GATEWAY TIP NO.
6963B-23

MSD:
P-XXMSD-XXXXX

MSD BASE MAP:
24M, 24N, 25M, 25N

REVISIONS

REV.	DATE	BY	APP.	DESCRIPTION

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PRELIMINARY
NOT FOR
CONSTRUCTION

DATE:
23-NOV-2021

CDG
ENGINEERS

Don Campbell, P.E.
St. Louis, Missouri 63139
Missouri State Certificate of Authority #1721

T: 314.782.7770
F: 314.782.9076

St. Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

BIG BEND ROAD
ARS RESURFACING

PLAN SHEETS
(2 OF 10)

DESIGNED:
C.MCCORKLE

DRAWN:
C.MCCORKLE

CHECKED:
D. RIECK

SHEET SEQUENCE:
6 OF 31

ENTRANCE INFORMATION								
PARCEL NUMBER	MAINLINE STATION	SKEW	LENGTH FROM EDGE OF PAVEMENT	WIDTH	RADII	EXISTING SLOPE	PROPOSED SLOPE	TYPE
14	112+13.30		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL CONCRETE
15	113+00.32		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL CONCRETE
16	113+49.15		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL ASPHALT
17	114+00.11		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL ASPHALT

KEYED NOTES:

- 1

REPLACE CURB
- 2

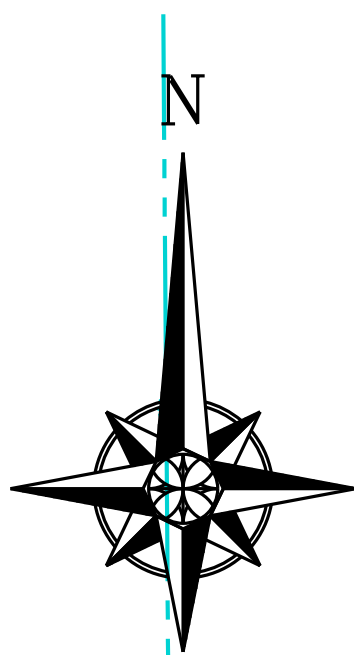
ADA COMPLIANT CURB RAMP

LEGEND:

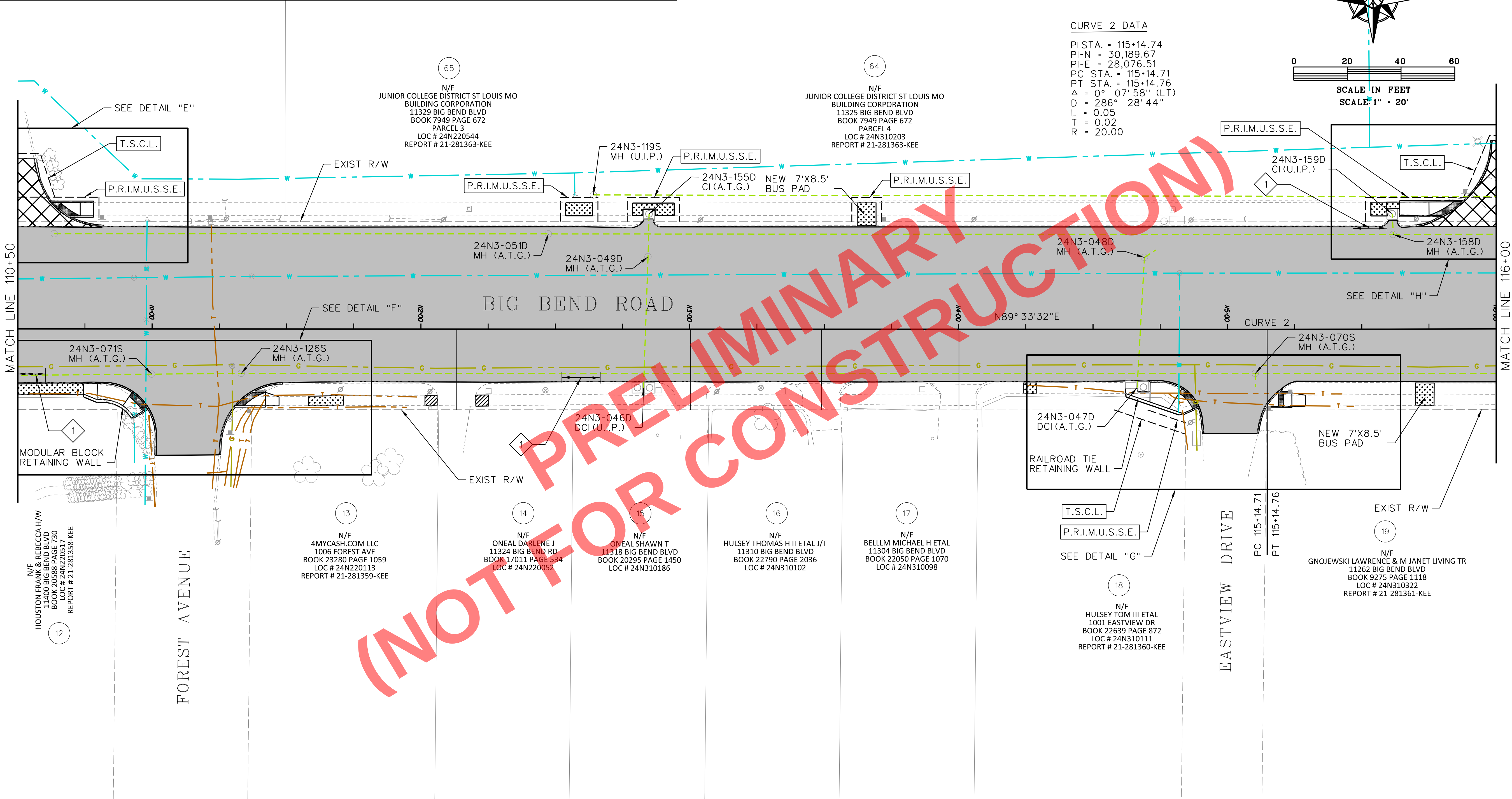
- REPLACE OR REPAIR DEFICIENT CONCRETE SECTIONS (AS DIRECTED BY THE ENGINEER) WITH VARIABLE MILL AND OVERLAY.
- 4" SIDEWALK REPLACEMENT.
- CONCRETE ROADWAY/DRIVEWAY REPLACEMENT.

CURVE 2 DATA

PI STA. = 115+14.74
PI-N = 30,189.67
PI-E = 28,076.51
PC STA. = 115+14.71
PT STA. = 115+14.76
 Δ = 0° 07' 58" (LT)
D = 286° 28' 44"
L = 0.05
T = 0.02
R = 20.00



SCALE IN FEET
SCALE: 1" = 20'



COUNTY PROJECT NO.
AR-1800

FEDERAL PROJECT NO.
STP-5537(625)

E-W GATEWAY TIP NO.
6963B-23

MSD:
P-XXMSD-XXXX

MSD BASE MAP:
24M, 24N, 25M, 25N

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

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ENGINEERS

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St. Louis, Missouri 63139
Missouri State Certificate of Authority #1721

T: 314.782.7770
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St. Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

BIG BEND ROAD
ARS RESURFACING

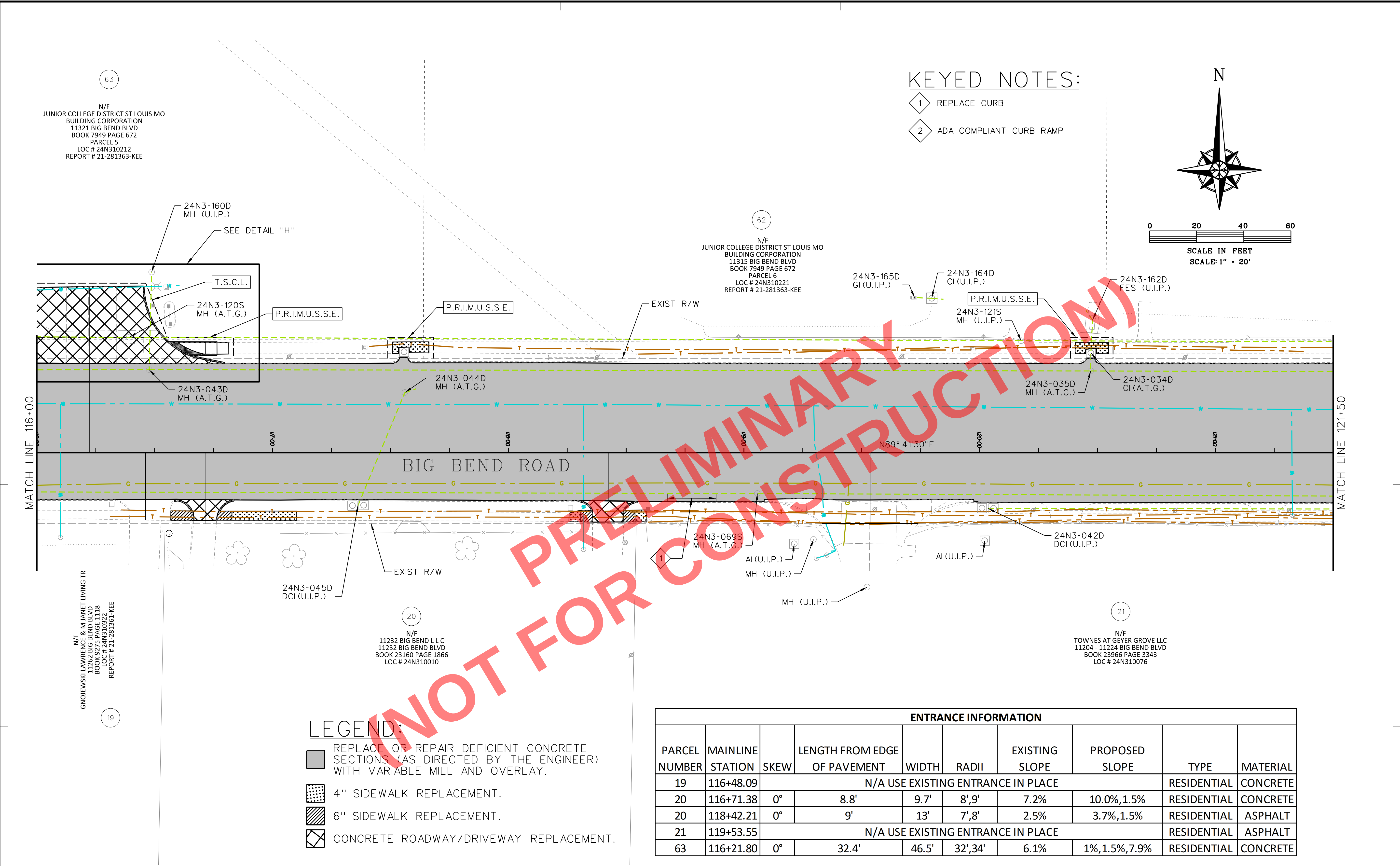
PLAN SHEETS
(3 OF 10)

DESIGNED:
C.MCCORKLE

DRAWN:
C.MCCORKLE

CHECKED:
D. RIECK

SHEET SEQUENCE:
7 OF 31



ENTRANCE INFORMATION									
PARCEL NUMBER	MAINLINE STATION	SKREW	LENGTH FROM EDGE OF PAVEMENT	WIDTH	RADII	EXISTING SLOPE	PROPOSED SLOPE	TYPE	MATERIAL
19	116+48.09		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE
20	116+71.38	0°	8.8'	9.7'	8',9'	7.2%	10.0%,1.5%	RESIDENTIAL	CONCRETE
20	118+42.21	0°	9'	13'	7',8'	2.5%	3.7%,1.5%	RESIDENTIAL	ASPHALT
21	119+53.55		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	ASPHALT
63	116+21.80	0°	32.4'	46.5'	32',34'	6.1%	1%,1.5%,7.9%	RESIDENTIAL	CONCRETE

COUNTY PROJECT NO.
AR-1800

FEDERAL PROJECT NO.
STP-5537(625)

E-W GATEWAY TIP NO.
6963B-23

MSD:
P-XXMSD-XXXXX

MSD BASE MAP:
24M, 24N, 25M, 25N

REVISIONS

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER

I hereby certify that the documents intended to be authorized by my seal are those of the project and I hereby disclaim any responsibility for all other drawings, specifications, or documents or instruments relating to or intended to be used for any part of the engineering project to survey.

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE:
23-NOV-2021

CDG
ENGINEERS

For Complete Plans
St. Louis, Missouri 63139
Missouri State Certificate of Authority #1721

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St. Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

BIG BEND ROAD
ARS RESURFACING

PLAN SHEETS
(4 OF 10)

DESIGNED:
C.MCCORKLE

DRAWN:
C.MCCORKLE

CHECKED:
D. RIECK

SHEET SEQUENCE:
8 OF 31

ENTRANCE INFORMATION									
PARCEL NUMBER	MAINLINE STATION	SKEW	LENGTH FROM EDGE OF PAVEMENT	WIDTH	RADII	EXISTING SLOPE	PROPOSED SLOPE	TYPE	MATERIAL
22	122+55.35	0°	11.2'	37.2'	8',16'	2.6%	3.5%,1.5%,-0.5%	COMMERCIAL	CONCRETE
22	123+75.38	0°	9.6'	41.2'	7',12'	2%	2.9%,1.5%,1.5%	COMMERCIAL	CONCRETE
22	125+16.12	0°	9.4'	34.9'	8',9'	2.5%	4.4%,1.5%,1.5%	COMMERCIAL	CONCRETE
61	124+53.91	0°	32'	37.6'	45',28'	2.5%,0.9%,1%	2.5%,1.5%,1.9%	RESIDENTIAL	CONCRETE

LEGEND:

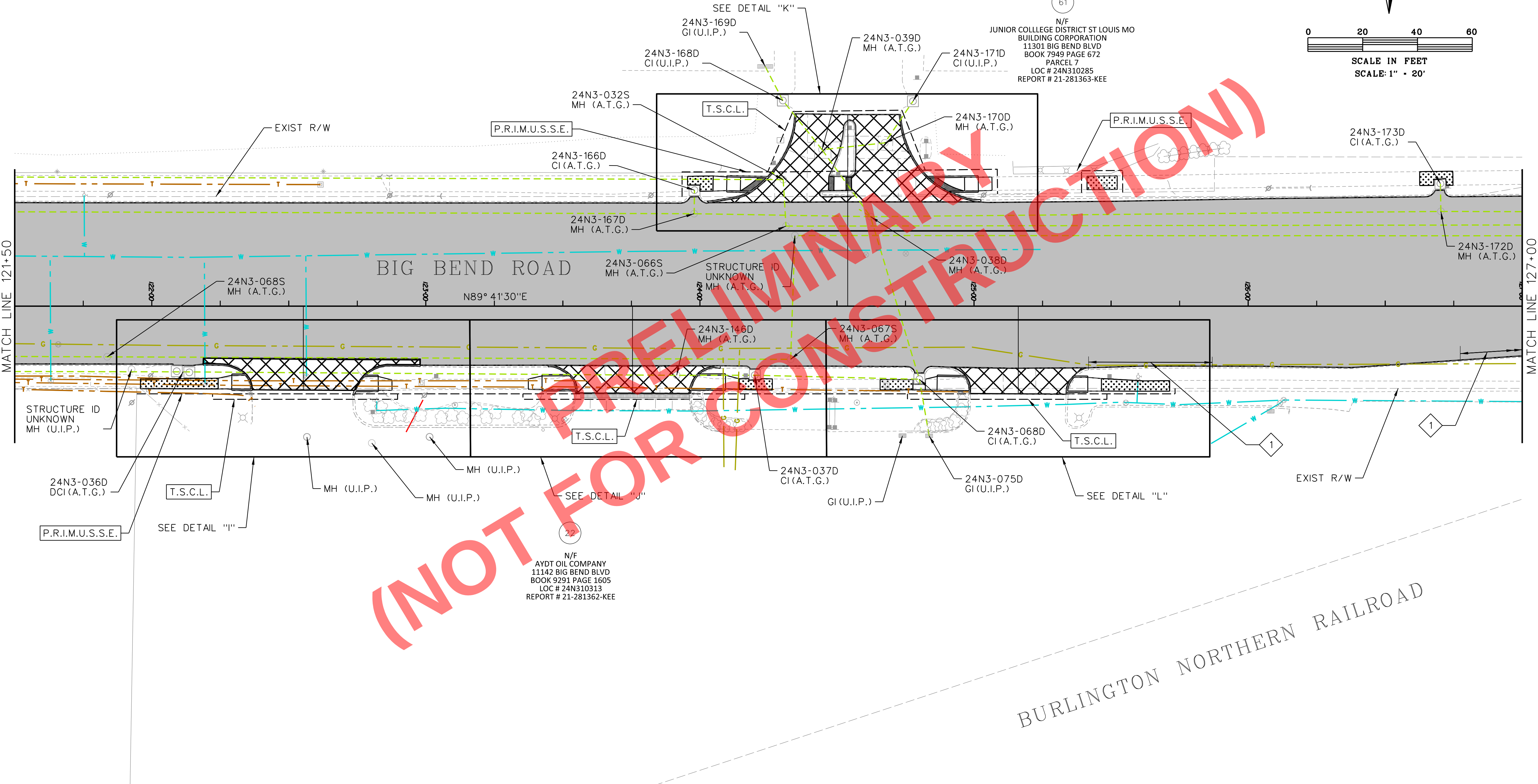
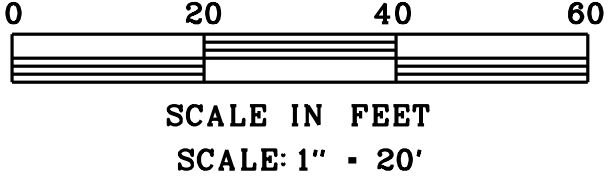
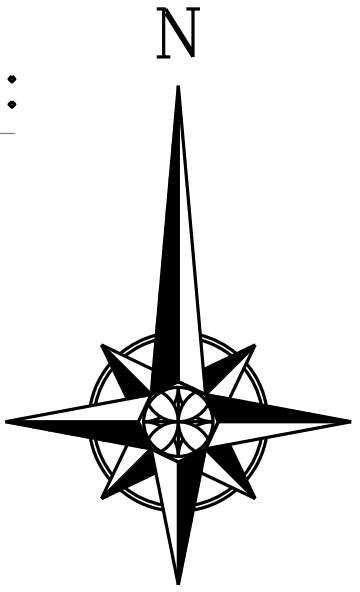
- REPLACE OR REPAIR DEFICIENT CONCRETE SECTIONS (AS DIRECTED BY THE ENGINEER) WITH VARIABLE MILL AND OVERLAY.
- 4" SIDEWALK REPLACEMENT.
- CONCRETE ROADWAY/DRIVEWAY REPLACEMENT.

KEYED NOTES:

- 1

REPLACE CURB
- 2

ADA COMPLIANT CURB RAMP



COUNTY PROJECT NO.
AR-1800

FEDERAL PROJECT NO.
STP-5537(625)

E-W GATEWAY TIP NO.
6963B-23

MSD:
P-XXMSD-XXXXX

MSD BASE MAP:
24M, 24N, 25M, 25N

REV.	DATE	BY	APP.	DESCRIPTION

DISCLAIMER
I, the undersigned, hereby certify that the documents intended to be authorized by my seal are those of the project and I hereby disclaim any responsibility for all other drawings, specifications, or documents or instruments relating to or intended to be used for any part of the project or for any purpose not intended by the project or survey.

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE:
23-NOV-2021

CDG
ENGINEERS

See Complete Plans
St. Louis, Missouri 63139
Missouri State Certificate of Authority #1721

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F: 314.782.9076

St. Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

BIG BEND ROAD
ARS RESURFACING

PLAN SHEETS
(5 OF 10)

DESIGNED:
C.MCCORKLE

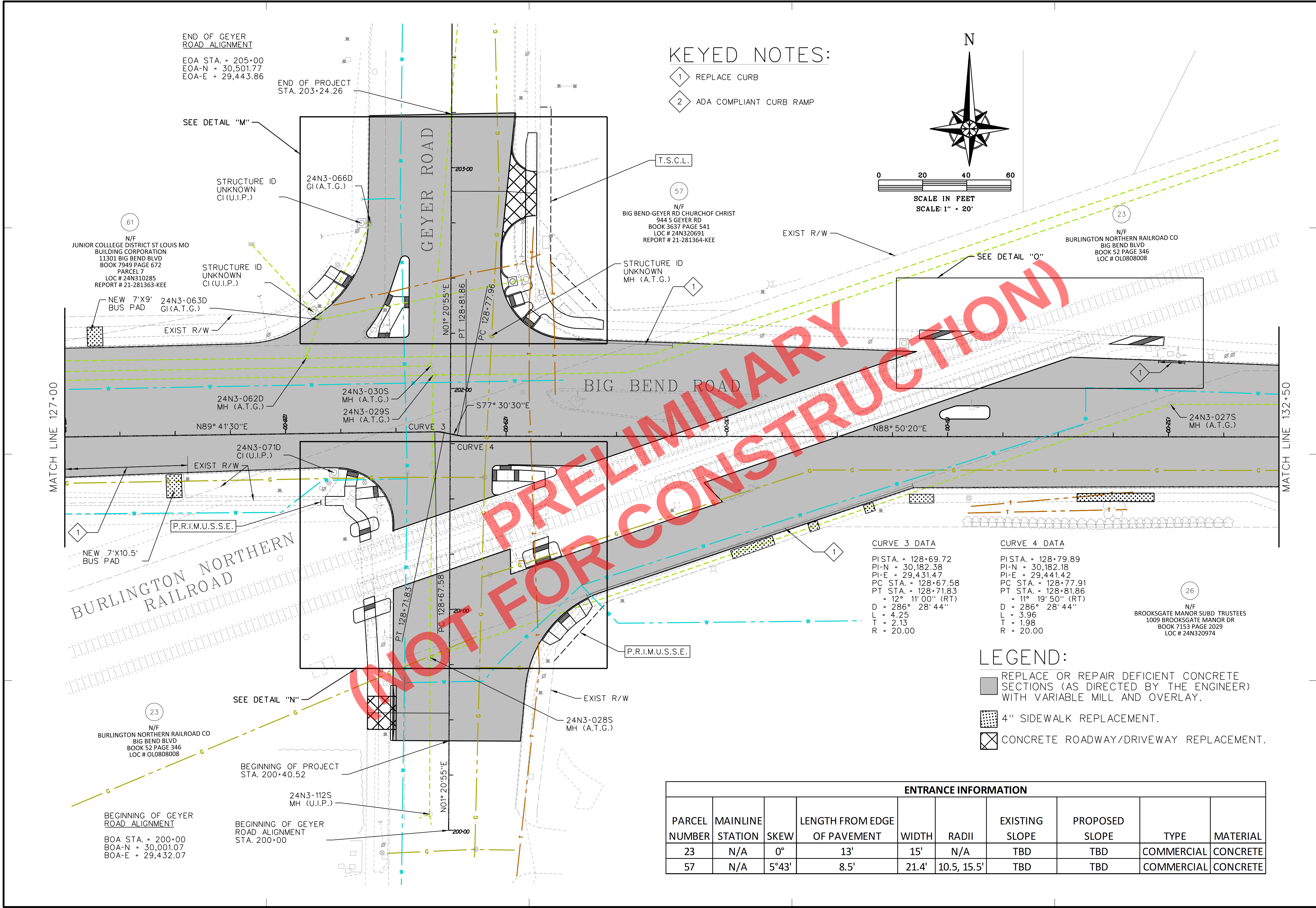
DRAWN:
C.MCCORKLE

CHECKED:
D. RIECK

SHEET SEQUENCE:
9 OF 31

BURLINGTON NORTHERN RAILROAD

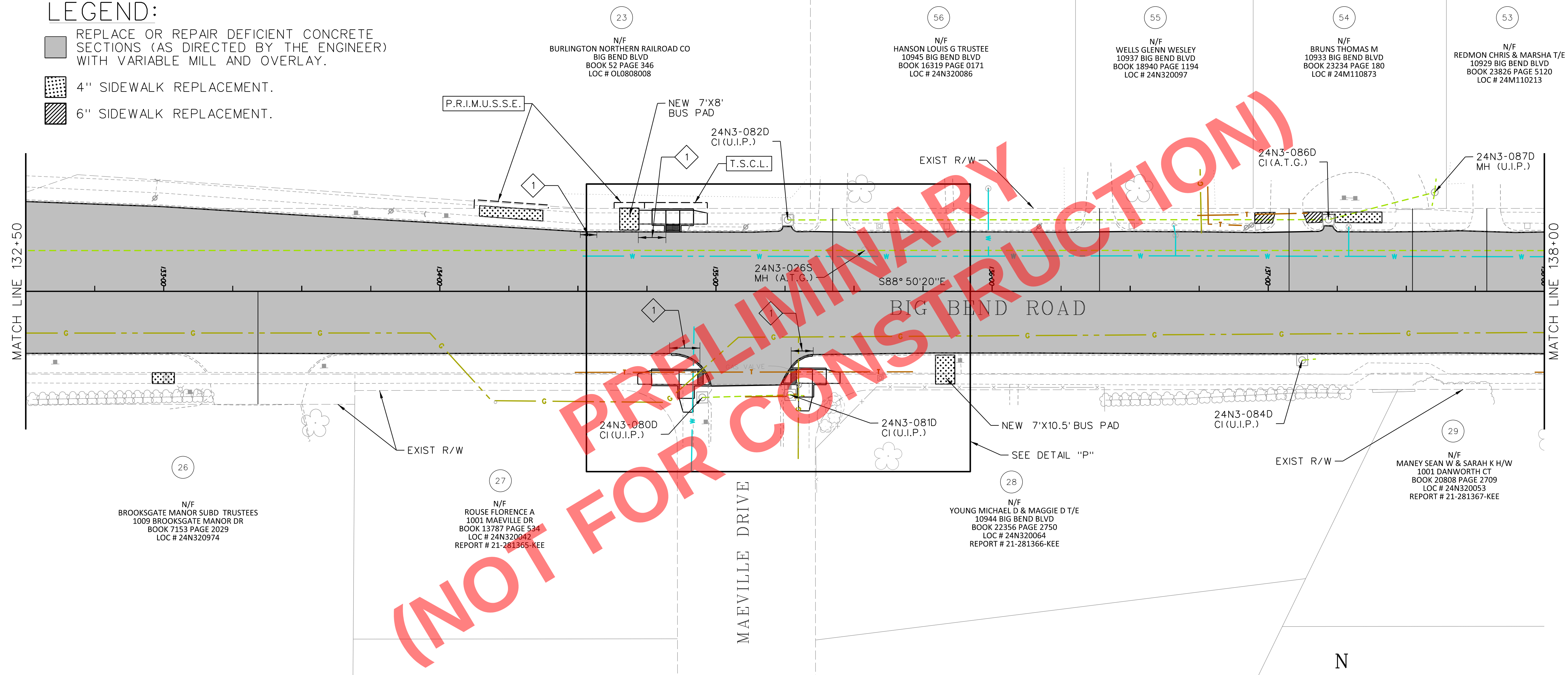
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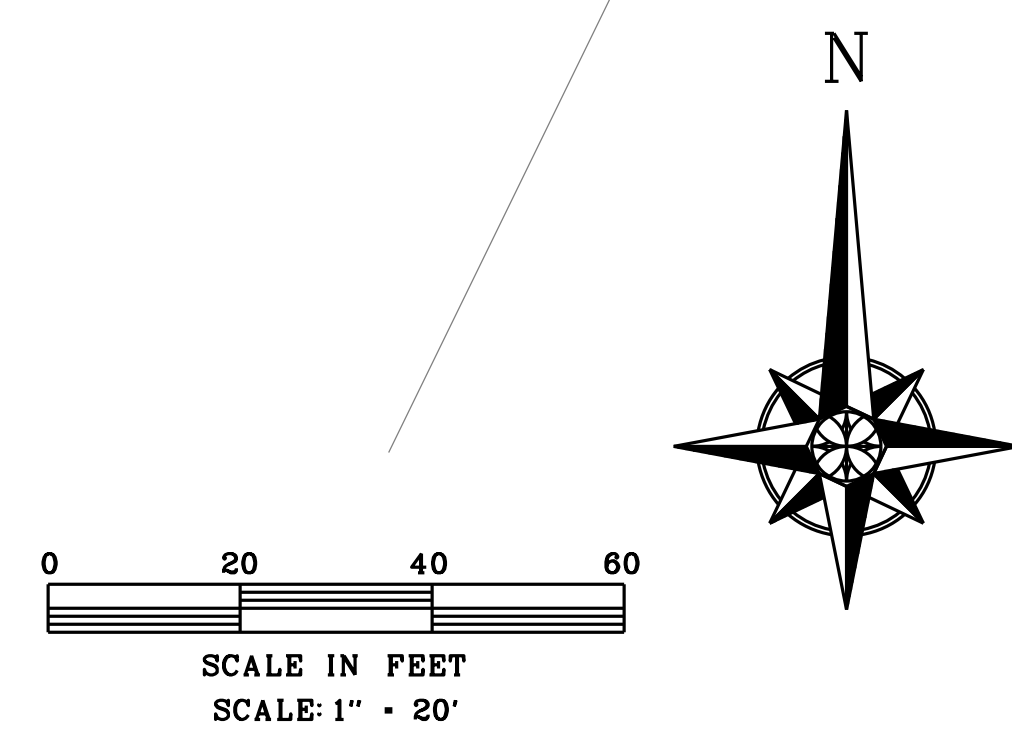
BURLINGTON NORTHERN RAILROAD

- KEYED NOTES:
- 1 REPLACE CURB
 - 2 ADA COMPLIANT CURB RAMP

- LEGEND:
- REPLACE OR REPAIR DEFICIENT CONCRETE SECTIONS (AS DIRECTED BY THE ENGINEER) WITH VARIABLE MILL AND OVERLAY.
 - 4" SIDEWALK REPLACEMENT.
 - 6" SIDEWALK REPLACEMENT.



ENTRANCE INFORMATION									
PARCEL NUMBER	MAINLINE STATION	SKREW	LENGTH FROM EDGE OF PAVEMENT	WIDTH	RADII	EXISTING SLOPE	PROPOSED SLOPE	TYPE	MATERIAL
26	133+34.00		N/A USE EXISTING ENTRANCE IN PLACE					COMMERCIAL	CONCRETE
53	137+79.18		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE
54	137+52.24		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE
54	137+07.54		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE
55	136+38.89		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	ASPHALT
56	135+42.26		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE



COUNTY PROJECT NO.
AR-1800

FEDERAL PROJECT NO.
STP-5537(625)

E-W GATEWAY TIP NO.
6963B-23

MSD
P-XXMSD-XXXXX

MSD BASE MAP:
24M, 24N, 25M, 25N

REV	DATE	BY	APP	DESCRIPTION

I, the undersigned, being a duly Licensed Professional Engineer in the State of Missouri, do hereby certify that the above described project is in accordance with the plans and specifications on file in my office, and I hereby disclaim any responsibility for all other drawings, specifications, or documents or instruments relating to or intended to be used for any part of the engineering project or survey.

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE:
23-NOV-2021

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ENGINEERS
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St. Louis, Missouri 63139
Missouri State Certificate of Authority #1721
T. 314.782.7770
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St. Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

BIG BEND ROAD
ARS RESURFACING

PLAN SHEETS
(7 OF 10)

DESIGNED:
C.MCCORKLE

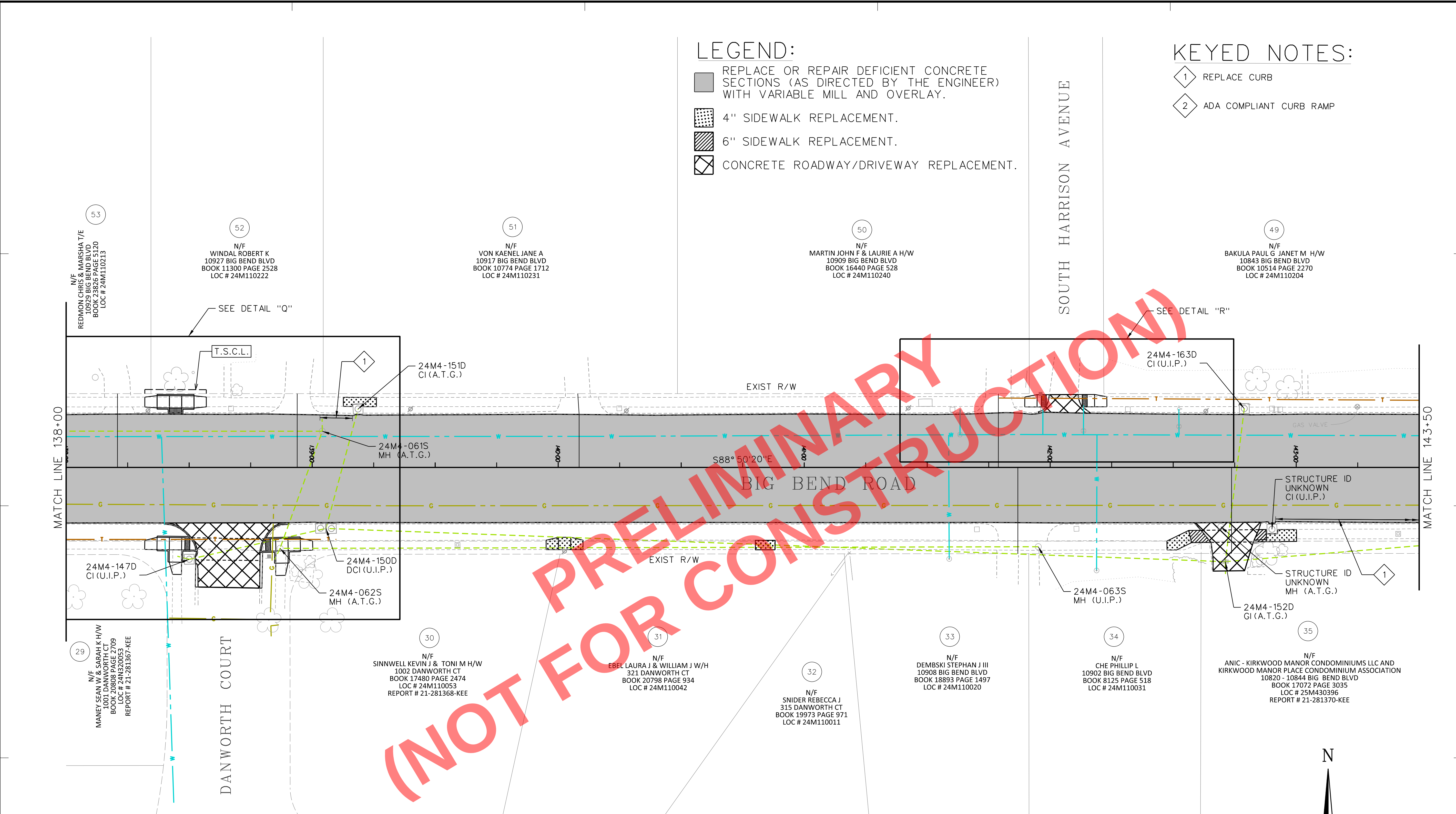
DRAWN:
C.MCCORKLE

CHECKED:
D. RIECK

SHEET SEQUENCE:
11 OF 31

13:18 23-NOV-2021

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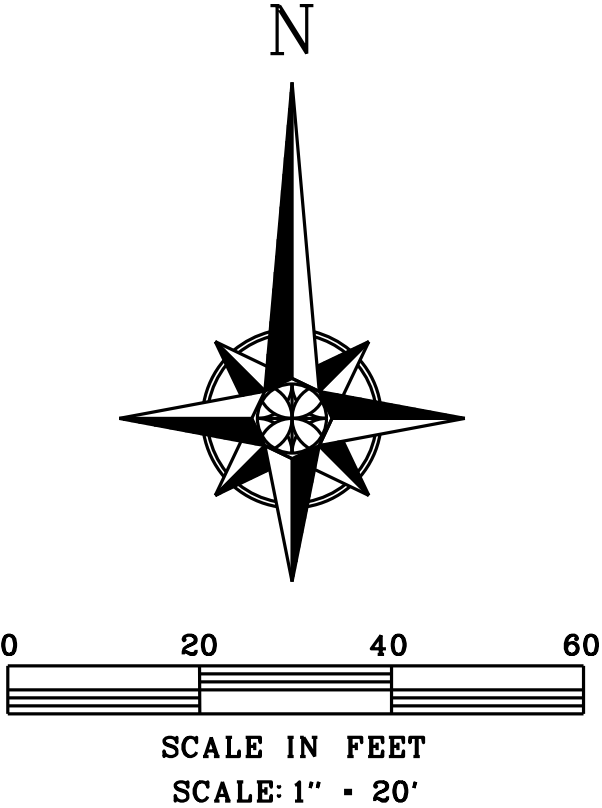
LEGEND:

- REPLACE OR REPAIR DEFICIENT CONCRETE SECTIONS (AS DIRECTED BY THE ENGINEER) WITH VARIABLE MILL AND OVERLAY.
- 4" SIDEWALK REPLACEMENT.
- 6" SIDEWALK REPLACEMENT.
- CONCRETE ROADWAY/DRIVEWAY REPLACEMENT.

KEYED NOTES:

- 1 REPLACE CURB
- 2 ADA COMPLIANT CURB RAMP

ENTRANCE INFORMATION									
PARCEL NUMBER	MAINLINE STATION	SKEW	LENGTH FROM EDGE OF PAVEMENT	WIDTH	RADII	EXISTING SLOPE	PROPOSED SLOPE	TYPE	MATERIAL
33/34	141+88.83		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	ASPHALT
35	142+73.73	0°	19.7'	14'	N/A	12.0%	7.6%, 1.5%, 8.7%	RESIDENTIAL	CONCRETE
50	141+78.91		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	CONCRETE
51	140+08.76		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	GRAVEL
52	138+93.84		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	ASPHALT
53	138+21.45		N/A USE EXISTING ENTRANCE IN PLACE					RESIDENTIAL	ASPHALT



COUNTY PROJECT NO.
AR-1800

FEDERAL PROJECT NO.
STP-5537(625)

E-W GATEWAY TIP NO.
6963B-23

MSD:
P-XXMSD-XXXXX

MSD BASE MAP:
24M, 24N, 25M, 25N

REV	DATE	BY	APP	DESCRIPTION

I hereby certify that the documents intended to be authorized by my seal are those of the project and I hereby disclaim any responsibility for all other drawings, specifications, or documents or instruments relating to or intended to be used for any part of the engineering project or survey.

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE:
23-NOV-2021

CDG
ENGINEERS
St. Louis, Missouri 63139
Tel: 314.782.7770
Fax: 314.782.9078
Missouri State Certificate of Authority #1721

St. Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

BIG BEND ROAD
ARS RESURFACING

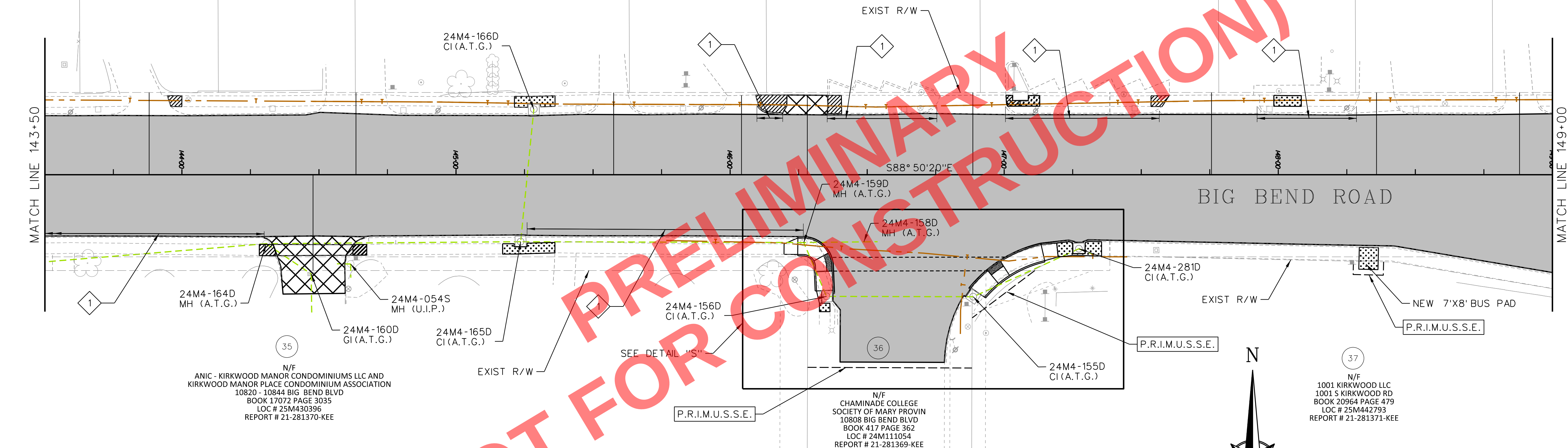
PLAN SHEETS
(8 OF 10)

DESIGNED:
C.MCCORKLE

DRAWN:
C.MCCORKLE

CHECKED:
D. RIECK

SHEET SEQUENCE:
12 OF 31



ENTRANCE INFORMATION									
PARCEL NUMBER	MAINLINE STATION	SKREW	LENGTH FROM EDGE OF PAVEMENT	WIDTH	RADII	EXISTING SLOPE	PROPOSED SLOPE	TYPE	MATERIAL
35	144+48.21	0°	21.1'	23'	N/A	9.0%	7.6%,1.5%,11.5%	RESIDENTIAL	ASPHALT
40	148+88.06		N/A USE EXISTING ENTRANCE IN PLACE					COMMERCIAL	GRAVEL
41	148+35.87		N/A USE EXISTING ENTRANCE IN PLACE					COMMERCIAL	CONCRETE
42/43	147+75.39		N/A USE EXISTING ENTRANCE IN PLACE					COMMERCIAL	CONCRETE
43/44	146+88.57		N/A USE EXISTING ENTRANCE IN PLACE					COMMERCIAL	CONCRETE
44	146+28.15	0°	7.1'	14.9'	N/A	5.5%	5.5%	COMMERCIAL	ASPHALT
45	146+04.16		N/A USE EXISTING ENTRANCE IN PLACE					COMMERCIAL	ASPHALT
46	145+57.54		N/A USE EXISTING ENTRANCE IN PLACE					COMMERCIAL	ASPHALT
46/47	144+63.53		N/A USE EXISTING ENTRANCE IN PLACE					COMMERCIAL	ASPHALT
48	143+88.05		N/A USE EXISTING ENTRANCE IN PLACE					COMMERCIAL	CONCRETE

KEYED NOTES:

- 1 REPLACE CURB
- 2 ADA COMPLIANT CURB RAMP

LEGEND:

- REPLACE OR REPAIR DEFICIENT CONCRETE SECTIONS (AS DIRECTED BY THE ENGINEER) WITH VARIABLE MILL AND OVERLAY.
- 4" SIDEWALK REPLACEMENT.
- 6" SIDEWALK REPLACEMENT.

COUNTY PROJECT NO.
AR-1800

FEDERAL PROJECT NO.
STP-5537(625)

E-W GATEWAY TIP NO.
6963B-23

MSD:
P-XXMSD-XXXX

MSD BASE MAP:
24M, 24N, 25M, 25N

REV	DATE	BY	APP	DESCRIPTION

DISCLAIMER

I hereby certify that the documents intended to be used in the project are the work of me or under my direct supervision and I am a duly licensed Professional Engineer in the State of Missouri. I hereby disclaim any responsibility for all other drawings, specifications, or documents or instruments relating to or intended to be used for any part of the surveying project or survey.

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE:
23-NOV-2021

CDG
ENGINEERS

Don Campbell, P.E.
St. Louis, Missouri 63139
Missouri State Certificate of Authority #1721

T: 314.782.7770
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St. Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

BIG BEND ROAD
ARS RESURFACING

PLAN SHEETS
(9 OF 10)

DESIGNED:
C.MCCORKLE

DRAWN:
C.MCCORKLE

CHECKED:
D. RIECK

SHEET SEQUENCE:
13 OF 31

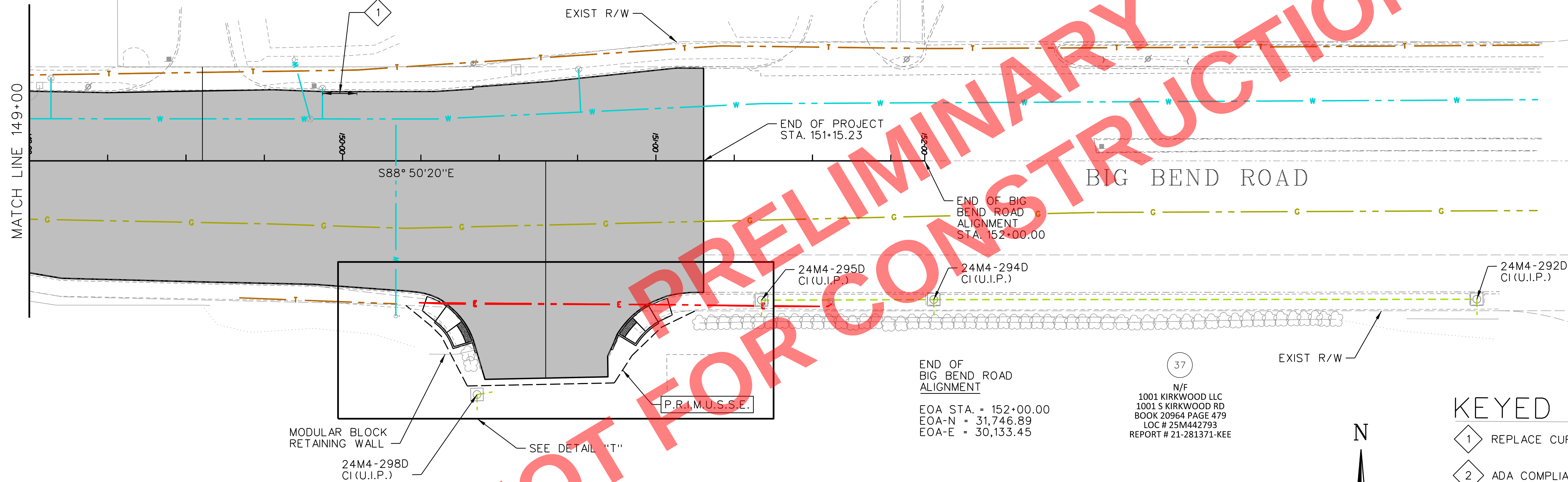
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13-18 23-NOV-2021

N/F
GNOEW/2 EFFEYVE
10727 BIG BEND BLVD
BOOK 21206 PAGE 2403
LOC # 24M110086

39
N/F
KIRKWOOD PROPERTIES LLC
10733 BIG BEND BLVD
BOOK 23458 PAGE 3103
LOC # 24M121662

38
N/F
LIN MEI SHIU H
951 S KIRKWOOD RD
BOOK 21469 PAGE 1086
LOC # 24M121644
REPORT # 21-281372-KEE



ENTRANCE INFORMATION									
PARCEL NUMBER	MAINLINE STATION	SKIEW	LENGTH FROM EDGE OF PAVEMENT	WIDTH	RADII	EXISTING SLOPE	PROPOSED SLOPE	TYPE	MATERIAL
37	150+61.35	1°12'	28.4'	42.7'	23',28'	4.1%,0.9%	1.5%,1.5%,6%	COMMERCIAL	ASPHALT
39	149+55.30	N/A USE EXISTING ENTRANCE IN PLACE						COMMERCIAL	ASPHALT

COUNTY PROJECT NO.	AR-1800
FEDERAL PROJECT NO.	STP-5537(625)
E-W GATEWAY TIP NO.	6963B-23
MSD	P-XXMSD-XXXXX
MSD BASE MAP:	24M, 24N, 25M, 25N

REV	DATE	BY	APP	DESCRIPTION

I, the undersigned, being a duly licensed Professional Engineer in the State of Missouri, do hereby certify that the foregoing is a true and correct copy of the original as the same appears in the records of the County of St. Louis, Missouri.

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: 23-NOV-2021

CDG
ENGINEERS

For Complete Plans
St. Louis, Missouri 63139
Missouri State Certificate of Authority # 4721

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St. Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

BIG BEND ROAD
ARS RESURFACING

PLAN SHEETS
(10 OF 10)

DESIGNED:	C.MCCORKLE
DRAWN:	C.MCCORKLE
CHECKED:	D. RIECK
SHEET SEQUENCE:	14 OF 31

