

City of Arnold, Missouri

**Work Session
Council Chamber**

**November 09, 2017
7:00 p.m.**

Agenda

1. Lobbyist
2. Feasibility Study – Starling Airport and Electra Drive. –Ed Blattner
3. Residential Utility Billing – Tammi Casey
4. Adjournment

Next Regular City Council Meeting November 16, 2017

Next Work Session December 14, 2017

Thursday, November 02, 2017

Z:\CITYDOCS\AGENDA\WORKSESS\2017\2017 1109.doc



Strategic Capitol

C o n s u l t i n g

Steven Tilley – Governmental Affairs/Lobbyist
16141 Swingley Ridge Rd., Suite 110
Chesterfield, Mo 63017
Office: 573-517-0030 ~ Cell: 573-768-4949

EXPERIENCE

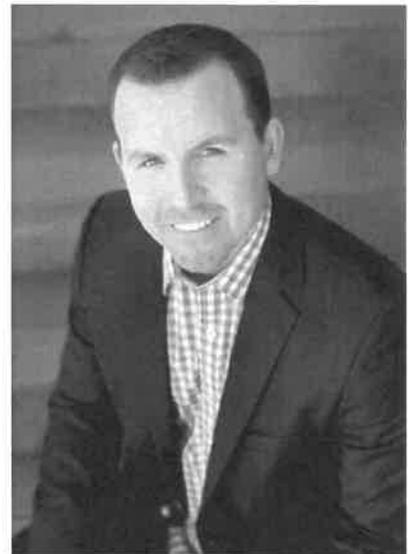
Optometrist, 2010 to present
Clarkson Eye Care, Perryville, Missouri

Optometrist/Co-owner, 1998 to 2010
Tilley Eye Center, Perryville, Missouri

Co-Owner, 1998-2014
Tilley Enterprise, LLC, Perryville, Missouri

Owner, 2014 to present
Perryville Investments, LLC, Perryville, Missouri

President/CEO, 2012 to present
Strategic Capitol Consulting, Perryville, Missouri



PROFESSIONAL EDUCATION/TRAINING

- Southeast Missouri State University – B.S. – 1994
- University of Missouri St. Louis School of Optometry – O.D. – 1998
- Elected to Missouri House of Representatives – 2004-2012
- Elected to Majority Floor Leader, Missouri House of Representatives – 2007-2010
- Elected to Speaker of the House, Missouri House of Representatives – 2011-2012

PROFESSIONAL MEMBERSHIPS

- American Optometric Association – since 1994
- Missouri Optometric Association – since 1994
- American Academy of Optometry – since 1996
- Beta Sigma Kappa – Honor Society – since 1994

AWARDS

- Legislative Award from the St. Louis Business Journal – 2009, 2010
- Presidential Citation Award from the University of Missouri – St. Louis – 2008
- Young Alumni Merit Award from Southeast Missouri State University-College of Science and Mathematics – 2008
- Excellence in Healthcare Legislation Award from the Missouri Nurses Association – 2008
- Missouri Restaurant Association Legislator of the Year Award – 2008
- Legislative Award from the St. Louis Business Journal – 2008
- Lewis and Clark Statesman Award from the St. Louis Regional Chamber and Growth Association – 2008
- Committed Statesperson Award from the National Multiple Sclerosis Society – 2007
- Distinguished Service Award for outstanding service and dedication from the Missouri Optometric Association – 2007
- Missouri Rural Health Clinics Award – 2007
- Received Recognition and Appreciation of Commitment to Audiology from the Missouri Speech Language Hearing Association – 2007
- Missouri Optometric Association Young Optometrist of the Year – 2003

LOBBYING AND CONSULTING CLIENTS

Anheuser-Busch
County of Jefferson
Express Scripts, Inc.
Gardner Capital
Independence Power & Light
Maco Development Company, LLC
Mike's Farm, Inc.
Missouri Alliance for Animal Legislation (MAAL)
Missouri Association of Career Fire Protection Districts (MACFPD)
Missouri Association of Nurse Anesthetists
Missouri Main Street Connection
Missourians for Compassionate Care (M4CC)
Missouri Energy Development Association (MEDA)
Osage Nation
Phoenix Home Care
Sterling Bank
Supermarket Merchandising
Tesla Motors, Inc.
Uber Technologies, Inc.
US Term Limits

PROFESSIONAL REFERENCES

- **Missouri Speaker of the House Todd Richardson**
201 W Capitol Ave, Room 308
Jefferson City, MO 65101
573-751-4039
- **Lieutenant Governor Mike Parson**
201 W Capitol Ave, Room 224
Jefferson City, MO 65101
573-751-4727
- **Missouri State Senator Jamilah Nasheed**
201 W Capitol Ave, Room 328
Jefferson City, MO 65101
573-751-4415
- **Missouri State Treasurer Eric Schmitt**
201 W Capitol Ave, Room 229
Jefferson City, MO 65101
573-751-9443
- **Ted Powers**
Regional Director of Government Affairs - Anheuser Busch
One Busch Place, 202-B
St Louis, MO 63118
314-577-4811

SHAWN M. RIGGER, JD

8205 Applerock Dr. O'Fallon, MO 63368 ■ (Phone: 314)-630-2415 ■ Shawnrigger.scc@gmail.com

Education

University of Florida – Levin College of Law – Gainesville, Florida
Juris Doctor, July 2014

Missouri State University – Springfield, Missouri
Master in Business Administration, May 2011

Missouri State University – Springfield, Missouri
Bachelor of Science in Political Science, Minor in Communication
Summa Cum Laude, May 2010

Work Experience

Strategic Capitol Consulting – Jefferson City, MO (February 2015 – Present)

Lobbyist

- Attend legislative hearings and review proposed legislation
- Develop relationships with legislators and legislative staff members, and work with these members to pass and block legislation
- Draft and manage SCC's political budgets
- Draft and distribute weekly client reports

Missouri State University – Springfield, Missouri (January 2011 – May 2011)

Graduate Assistant, Office of Student Conduct

- Drafted, delivered, and filed disciplinary documents to students who had violated the school's honor code
- Conferenced with and sanctioned students who violated the honor code
- Mediated and conducted sanctioning hearings
- Worked directly with the Deans of the University

Missouri State University – Springfield, Missouri (August 2009 – July 2010)

Team Leader – Student Orientation, Advisement, and Registration (SOAR)

- Facilitated over 200 incoming students during the summer, spring and fall orientation efforts
- Served as a supervisor to the Orientation Leaders, and also a liaison between the Orientation Leaders and the Director of SOAR
- Assisted in teaching and developing the curriculum for IDS 280 – Student Life and Leadership class
- Participated in recruitment, selection, and advisement of 40 SOAR Leaders.
- Acted on behalf of the director in his absence

SKILLS

Skills

- Advanced proficiency in Microsoft Office, Lexis Nexis, and Westlaw legal research
- Excellent communication, organizational, and interpersonal skills
- Outstanding critical thinker and solver of complex problems
- Great time management skills and efficient worker
- Friendly, courteous, and respectful

REFERENCES

Representative Rebecca Ruth
Missouri State Representative
Missouri House of Representatives
201 W. Capitol Ave, Rm. 115F
Jefferson City, MO 65101
(314)-288-6995
Becky.Ruth@house.mo.gov

Mrs. Jennifer Zedalis, Esq.
Director of Trial Practice and Senior Legal Skills
University of Florida – Levin College of Law
309 Village Dr.
Gainesville, FL 32611
(352)-273-0814
Zedalis@law.ufl.edu

THOMAS ROBBINS, JD

PROFESSIONAL BACKGROUND

- Strategic Capitol Consulting, Jefferson City / Saint Louis, Missouri** *2016 - Present*
Government Relations & Consulting
- Represented corporations, associations and unions before state and local governments
 - Facilitated passage of SB 919, one of the only pro-business bills of the 2016 legislative session
- The Britton Group, Jefferson City, Missouri** *2013 - 2016*
Lobbyist
- Participated in all levels of the legislative process: monitoring, lobbying, drafting, testifying and entertaining
 - Client development: drafted RFPs and pitched new business
- World Education University, Rancho Mirage, California** *2013*
Course Designer
- Developed graduate level online courses in criminal justice
- Robbins Law Firm, Jefferson City, Missouri** *2009 - 2012*
Owner-Attorney
- Represented the criminally accused across Missouri in state and federal court against felony and misdemeanor charges with particular emphasis in defending drug cases
- Lincoln University of Missouri, Jefferson City, Missouri** *2011*
Guest Professor
- Lecture series on juxtaposition of cultural diversity and criminal justice, in particular, issues in racial profiling
- Drug & DWI Court Committees, Cole County, Missouri** *2011*
Member
- Interfaced with committee of judges, administrators, probation officers and prosecutors to facilitate ongoing operations
- Missouri State Treasurer's Office, Jefferson City, Missouri** *2008 - 2009*
General Counsel
- Managed the litigation, settlement and disposition of all claims against the Second Injury Fund
 - Negotiated contracts and perform due diligence for security lending and custody agreements
 - Established STO's communications policies to businesses, media and constituent relations

TR JD

- Hearne & Green, Jefferson City, Missouri** 2007 - 2008
Counsel
- Represented a diverse group of clients in criminal and civil litigation matters, duties included: drafting and arguing all motions and briefs, conducting and defending depositions and, negotiating settlements
 - Managed firm's marketing efforts: rebuilt firm website, increasing traffic an estimated two hundred percent
- Weil, Gotshal & Manges, New York, New York** 2006 - 2007
Media Relations Specialist
- Senior partnership's liaison to editors and columnists of major domestic and international media outlets, including mainstream outlets (*NY Times, WSJ*) and prominent trade publications (*Lawyer's Weekly, National Law Journal*)
 - Designed and assisted in the delivery of pitches to prospective and existing clients
- Barnes & Associates, Jefferson City, Missouri** 2005 - 2006
Associate Attorney
- Managed general litigation practice: produced pleadings and briefs for trial and on appeal; defended depositions
 - Assisted in high profile trials, particularly in client counseling and in settlement negotiations
- United States Arbitration & Mediation, Saint Louis, Missouri** 2003 - 2005
Law Clerk, Michael Geigerman, Managing Director
- Developed Missouri's first pre-mediation interview program, mediator's liaison to plaintiff and defense counsel
 - Prepared a pre-mediation brief, outlining controverted facts and applicable law

EDUCATION

- University of Missouri School of Law, Columbia, Missouri** 2002 - 2005
- Juris Doctor, 2005
- The Center for the Study of Dispute Resolution, Columbia, Missouri** 2002 - 2005
- Certificate in Dispute Resolution, 2005
- University of Missouri, Columbia, Missouri** 1998 - 2002
- Bachelor of Science, Finance, *summa cum laude*, 2002
- University of Missouri, The Honors College, Columbia, Missouri** 1999 - 2002

References available on request



Strategic Capitol C o n s u l t i n g

Amy Huber – Legislative Assistant

EXPERIENCE

Accounts Receivable/Billing Manager, 2000 to 2012
Tilley Eye Center/Clarkson Eye Care, Perryville, Missouri

Governmental Affairs Assistant, 2012 to Present
Strategic Capitol Consulting, Chesterfield, Missouri

PROFESSIONAL EDUCATION/TRAINING

- Southeast Missouri State University – Bachelor of Science Degree – 1997

PROFESSIONAL RESPONSIBILITIES

- Weekly Legislative Session Reports
- Scheduling Client Meetings
- Event Planning
- Personal Assistant

Mary Ellen Cox

From: Ed Blattner
Sent: Wednesday, November 01, 2017 8:11 AM
To: Bryan Richison; Mary Ellen Cox
Cc: Ed Blattner; Deion Christopher
Subject: FW: STARLING AIRPORT ROAD/ELECTRA INTERSECTION RAISING FEASIBILITY STUDY UPDATE
Attachments: Starling Airport Road 2017 flood.pdf; Starling Airport Road 2015 flood.pdf; quantities-estimate 2017 flood.pdf; quantities-estimate 2015 flood.pdf; SKM_C45817110107560.pdf

Bryan and Mary Ellen,

Please find attached the electronic plan information and cost estimates GBA has prepared for the feasibility study to raise the Starling Airport Road/Electra Drive intersection out of the flood limits. The information provided addresses the two highest recorded flood events in the City's history those being the flood crests of 12/31/15 and 5/3/17 with the 12/31/15 setting at least a 500 year flood event record.

It is my hope this information can be sent to the City Council electronically by email to them as well as being available to them at their dais monitors for discussions at the upcoming November 9 City Council Work Session. I will present the plan information to the Council that night and will be glad to answer any questions they may have concerning the concept drawings and associated cost estimates.

Please note below, I have listed five points of discussion I believe the City Council needs to provide direction concerning how the City should proceed moving forward with this proposed project.

If you have any questions or comments, please let me know.

Thanks,

Ed Blattner, P.E.
Public Works Director - City of Arnold
Phone: 636-282-6650 Fax: 636-282-2394
Email: eblattner@arnoldmo.org

1. Which flood elevation should be designed for, the record flood or the second highest.
2. The cost estimates provided may steer the City Council.
3. Their direction in the matter of seeking STP grant funding.
4. Time table to undertake the improvements with STP funding or without (budget funding concerns).
5. Whether the temporary access road connection between Constellation and Mabel Drives should be temporary or permanent.

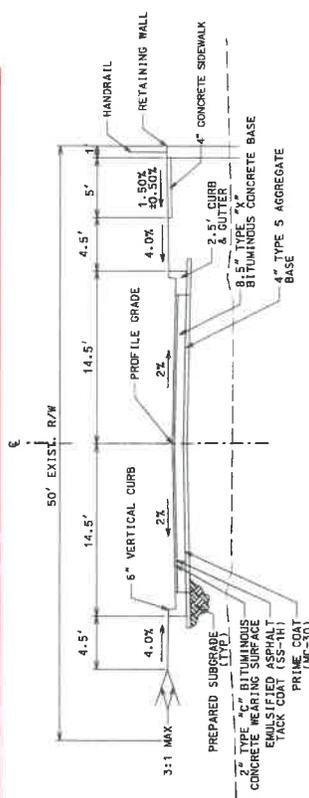
2015-

THIS DESIGN ADDRESSES THE RECORD HIGH WATER MARK OF THE 12/31/15 FLOOD EVENT

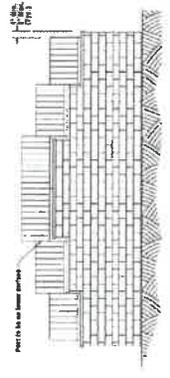
DESIGN DESIGNATION

STARLING AIRPORT ROAD
 4.4.D.T. - 2015
 5.000
 3% MAJOR COLLECTOR
 FUNCTIONAL CLASSIFICATION

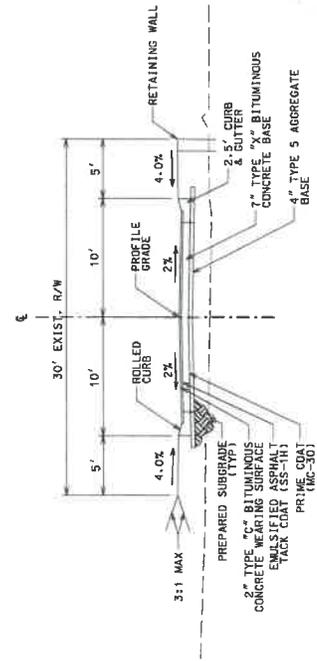
- GENERAL NOTES**
- 1) ANY WORK INDICATED ON THE PLANS THAT EXTENDS BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.
 - 2) ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, AND THE MISSOURI STANDARD PLANS FOR HIGHWAY CONSTRUCTION.
 - 3) TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND MODOT STANDARD PLAN 616.10 FOR TRAFFIC CONTROL DEVICES.
 - 4) DIMENSIONS ARE TO THE BACK OF CURB UNLESS STATED OTHERWISE ON THE PLANS.
 - 5) ALL GRADED AREAS SHALL BE SEEDED AND MULCHED.
 - 6) REFER TO PLANS FOR RETAINING WALL LOCATIONS.
 - 7) HANDRAILS SHALL BE ADA COMPLIANT AND DECORATIVE IN APPEARANCE. REFER TO ST. LOUIS COUNTY STANDARD DRAWING C607.13 "ALUMINUM HANDRAIL FOR RETAINING WALLS".



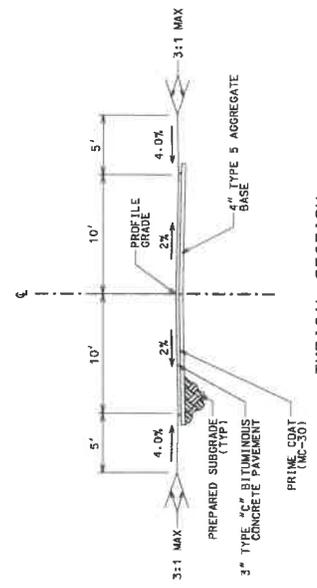
TYPICAL SECTION STARLING AIRPORT ROAD
 STA 2+40.00 TO STA 9+20.00



ELEVATION OF ALUMINUM HANDRAIL ON MODULAR BLOCK WALL



TYPICAL SECTION ELECTRA DRIVE
 STA 0+00.00 TO STA 2+12.29



TYPICAL SECTION TEMPORARY BYPASS ROAD
 STA 0+00.00 TO STA 3+05.38

GBA architects engineers
 225 S. Main, Suite 103
 O'Fallon, MO 63366
 636.268.2444
 www.gbaengineers.com

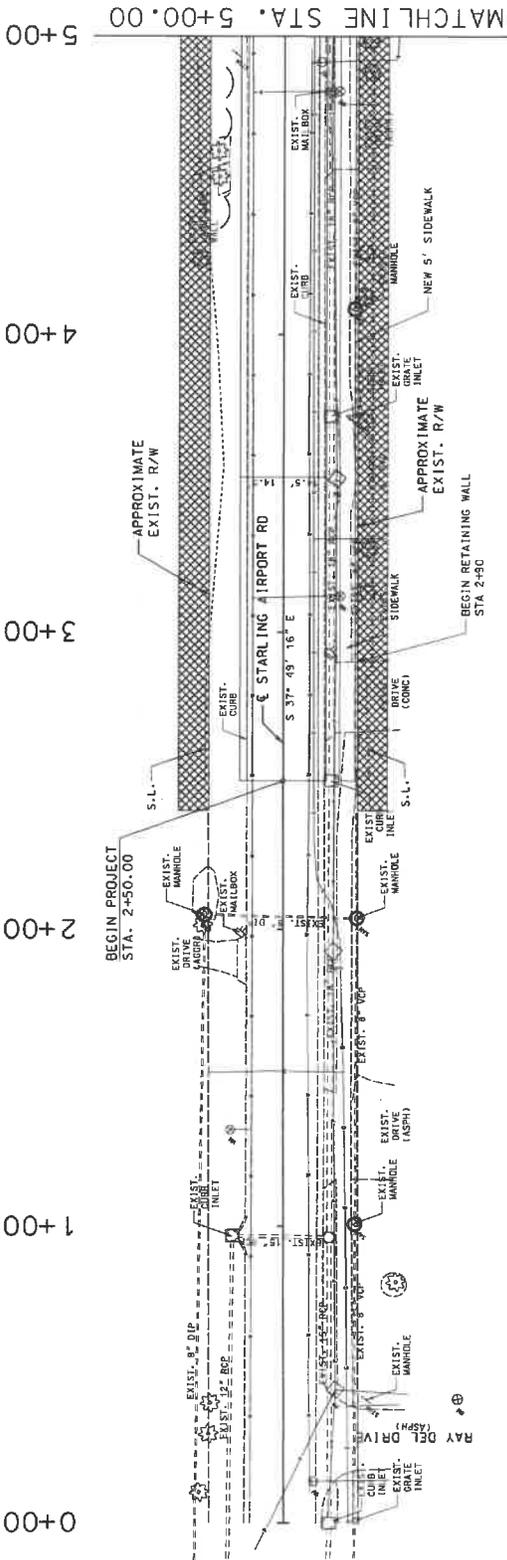
ARNOLD STARLING AIRPORT ROAD IMPROVEMENTS
 CITY OF ARNOLD
 2101 IFFCO BLVD
 ARNOLD, MO 63010

PROPOSED FACILITY:

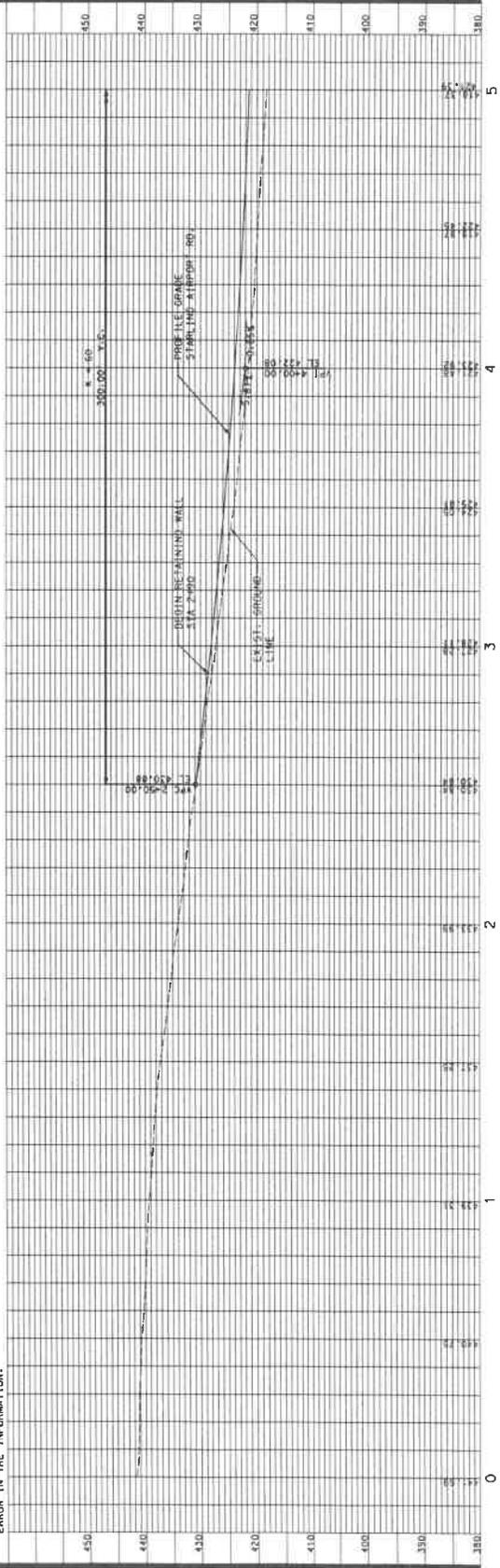
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DESIGNED BY	DRAWN BY	REVIEWED BY
JJ	JJ	JJ
SHEET TITLE	TYPICAL SECTION SHEET 1 OF 1	
SHEET NUMBER	2	

© GENSLER ASSOCIATES, INC. 1008
 Professional Engineer 000133
 Licensee Architect 000002
 Registration State of Missouri

PROPOSED FACILITY:



THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE OWNER AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE OWNER "AS-IS" AND THE OWNER EXPRESSLY TO THE USER. THE USER SHALL BE RESPONSIBLE FOR THE COMPLETENESS, ACCURACY OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE OWNER SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION.



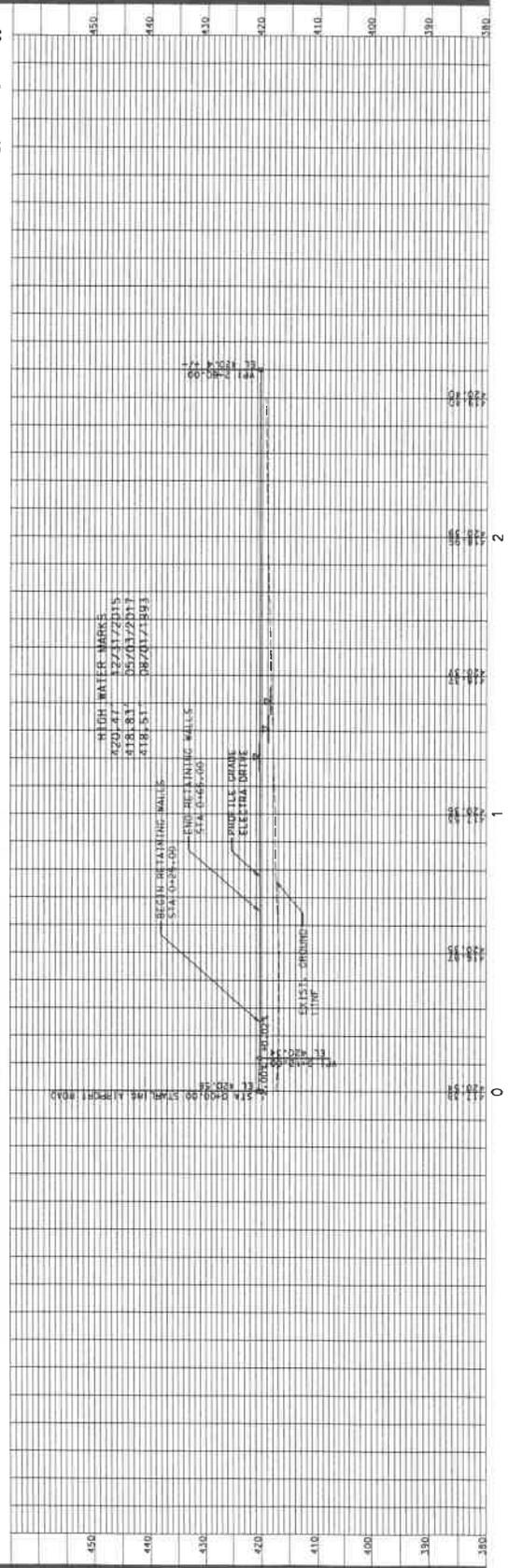
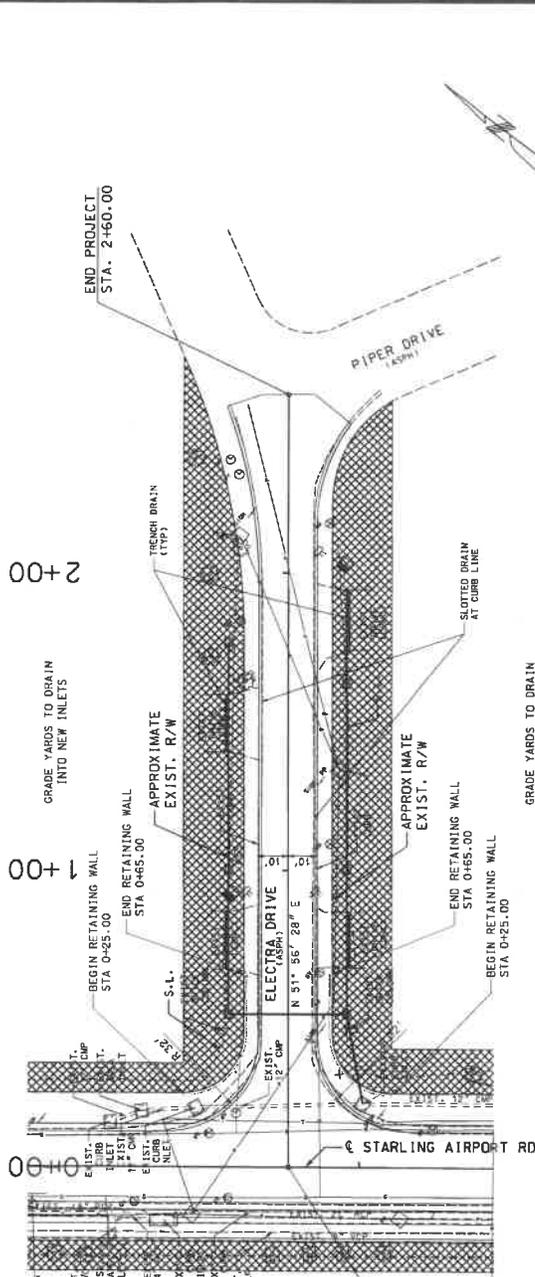
DATE: 10/25/2017
PROJECT NUMBER: GBA PROJECT NUMBER: 17022AP

DATE: 10/25/2017
DESIGNED BY: GJ
DRAWN BY: GJ
REVIEWED BY: JAV
SHEET TITLE: PLAN AND PROFILE
SHEET 1 OF 4
SHEET NUMBER: 3

© GEORGE BUTLER ASSOCIATES, INC. 2008
Professional Engineer License No. 000133
Professional Architect License No. 000025
Professional Land Surveyor License No. 000029

PROJECT NUMBER	1025/2017
DATE	10/25/2017
DESIGNED BY	ALJ
DRAWN BY	ALJ
REVIEWED BY	JAV
SHEET TITLE	PLAN AND PROFILE
SHEET NUMBER	5

© GEORGE BUNTER ASSOCIATES, INC. 2008
Professional Engineer 0001133
Professional Architect 0000205
Professional Land Surveyor 0000359



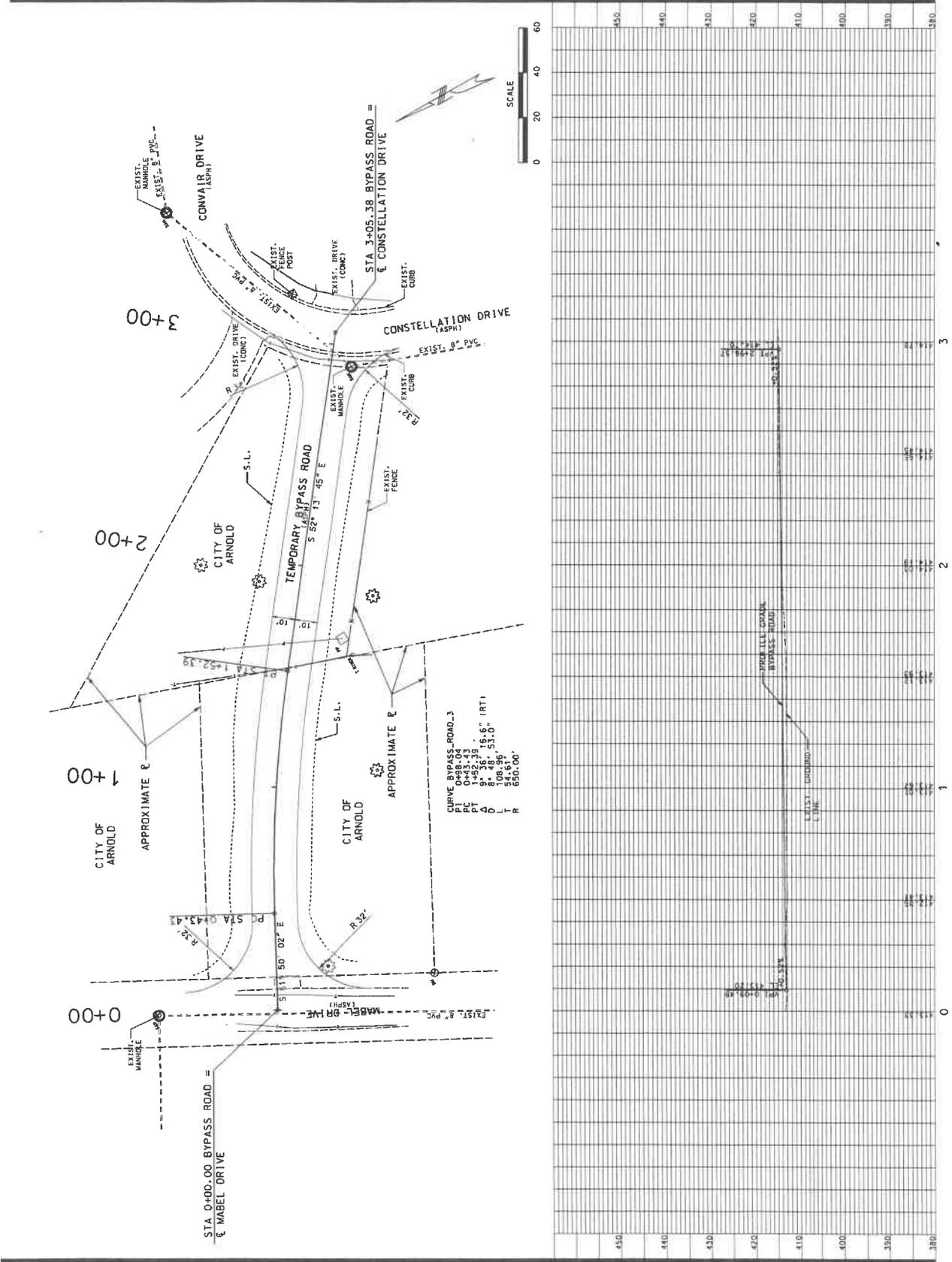
STA 0+00.00 ELECTRA DRIVE =
STA 5+75.89 STARLING AIRPORT ROAD

REVISIONS TO DRAWING
DATE: 10/25/17 BY: ALJ

PROPOSED FACILITY:

PROJECT NUMBER	10252017
DATE	10/25/2017
DESIGNED BY	JJ
DRAWN BY	JJ
REVIEWED BY	JJ
CHECKED BY	JJ
SHEET TITLE	PLAN AND PROFILE
SHEET NUMBER	6

© GEORGE BUDER ASSOCIATES, INC. 2008
 Professional Engineer 000133
 Landscape Architect 000022
 10/25/2017 10:54:00 AM



DATE: 10/25/2017 10:54:00 AM
 DRAWN BY: JEFFREY M. BUDER
 CHECKED BY: JEFFREY M. BUDER

2017

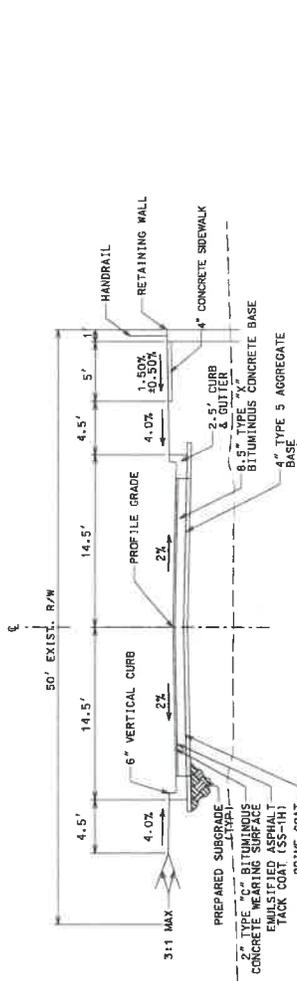
THIS DESIGN ADDRESSES THE HIGH WATER MARK OF THE 5/3/17 SECOND HIGHEST FLOOD EVENT

DESIGN DESIGNATION

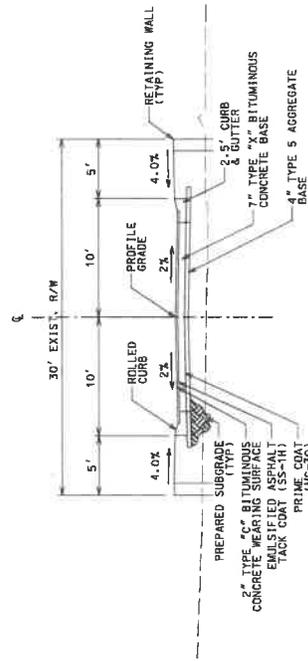
STARLING AIRPORT ROAD
 1.0.D.P. - 2015
 8.600
 30' MPH
 5% MAJOR COLLECTOR
 FUNCTIONAL CLASSIFICATION

GENERAL NOTES

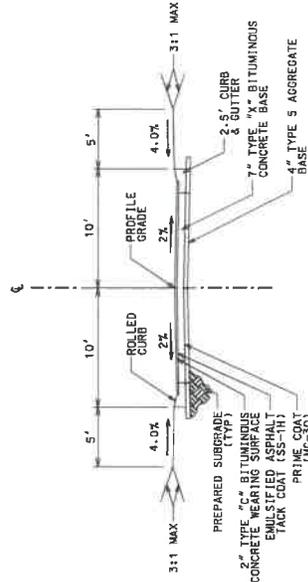
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**TYPICAL SECTION
 STARLING AIRPORT ROAD**
 STA 2+40.00 TO STA 9+20.00



**TYPICAL SECTION
 ELECTRA DRIVE**
 STA 0+00.00 TO STA 2+12.29



**TYPICAL SECTION
 BYPASS ROAD**
 STA 0+00.00 TO STA 3+05.38

GBA
 architects
 engineers
 225 S. Main, Suite 109
 St. Charles, MO 63304
 636.274.0238
 www.gbateam.com

**ARNOLD STARLING AIRPORT
 ROAD IMPROVEMENTS**
 CITY OF ARNOLD
 2101 EFFCO BLVD
 ARNOLD, MO 63010

PROPOSED FACILITY:

REVISION	PROJECT NUMBER
	GBA PROJECT NUMBER
	DATE
	9/27/2017
	DESIGNER
	DRIVER
	APPROVED
	SHEET TITLE
	TYPICAL SECTION
	SHEET 1 OF 1
	SHEET NUMBER
	2

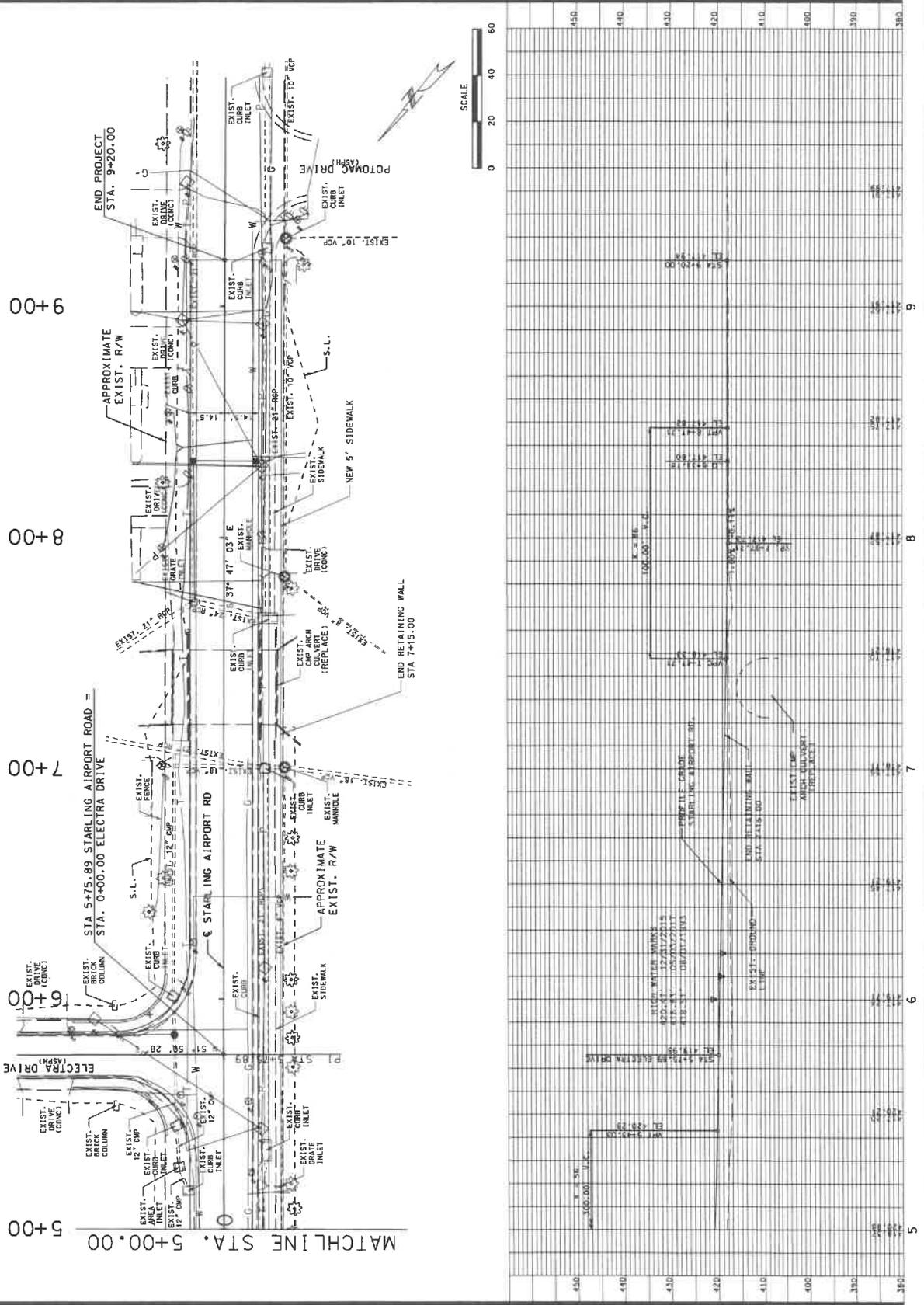
© GEORGE BATES ASSOCIATES, INC. 2006
 License No. 000133
 Professional Engineer
 License No. 000133
 Licensee Architect 000205
 Professional Seal: 000133/000205

PROPOSED FACILITY:

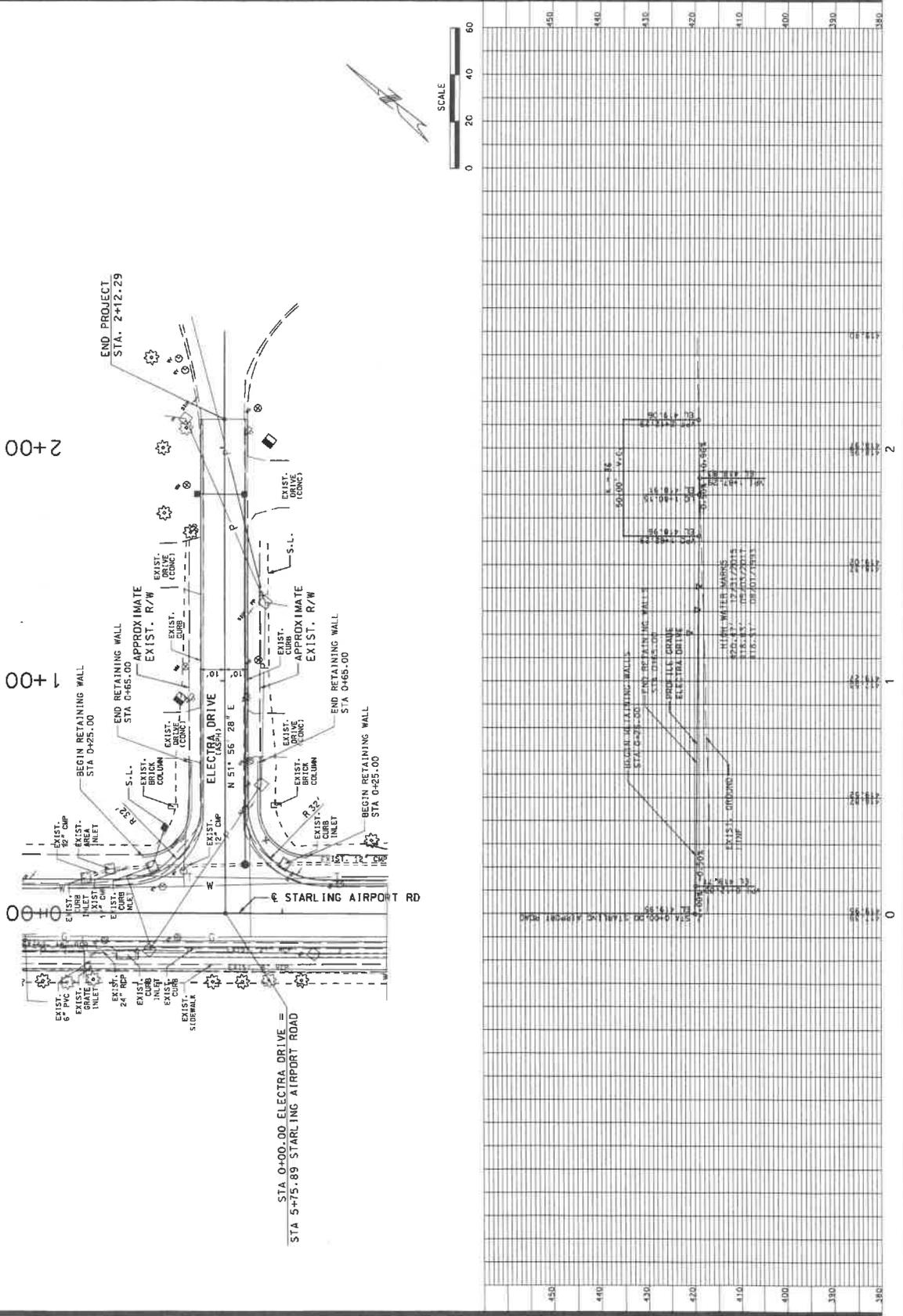
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CAD PROJECT NUMBER	9/2722017
DATE	9/27/2017
DRAWN BY	ALJ
CHECKED BY	AM
DESIGNED BY	
DATE	
PROJECT NUMBER	9/2722017
SHEET NUMBER	4

PLAN AND PROFILE
SHEET 2 OF 4

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Professional Engineer 000133
Landscape Architect 000025
Professional Land Surveyor 00028



DRAWN BY: [Name] DATE: 9/27/2017



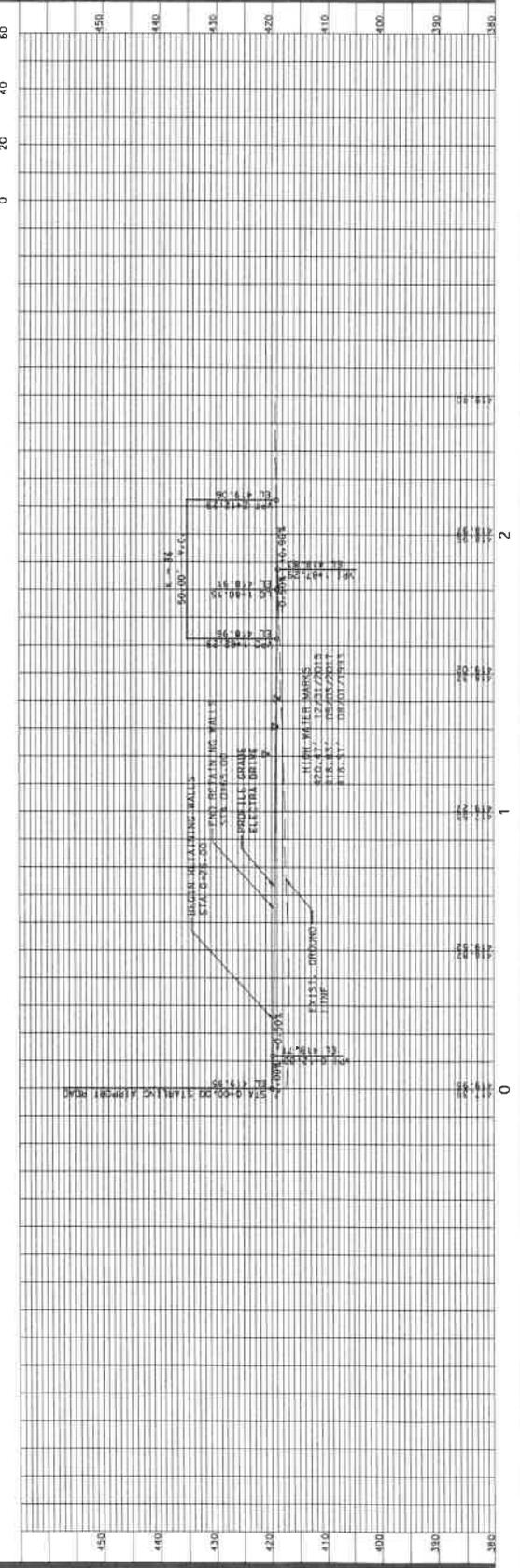
2+00

1+00

0+00

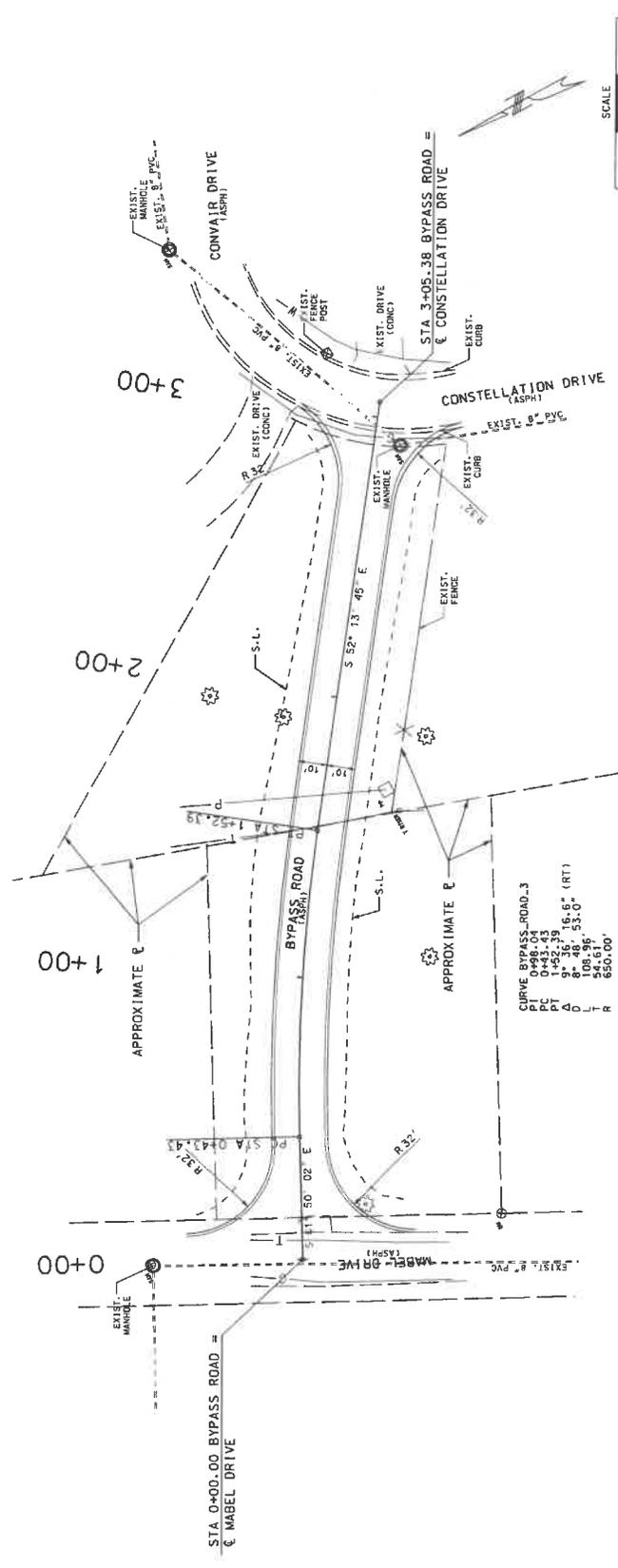
STA 0+00.00 ELECTRA DRIVE =
STA 5+75.89 STARLING AIRPORT ROAD

SCALE
0 20 40 60

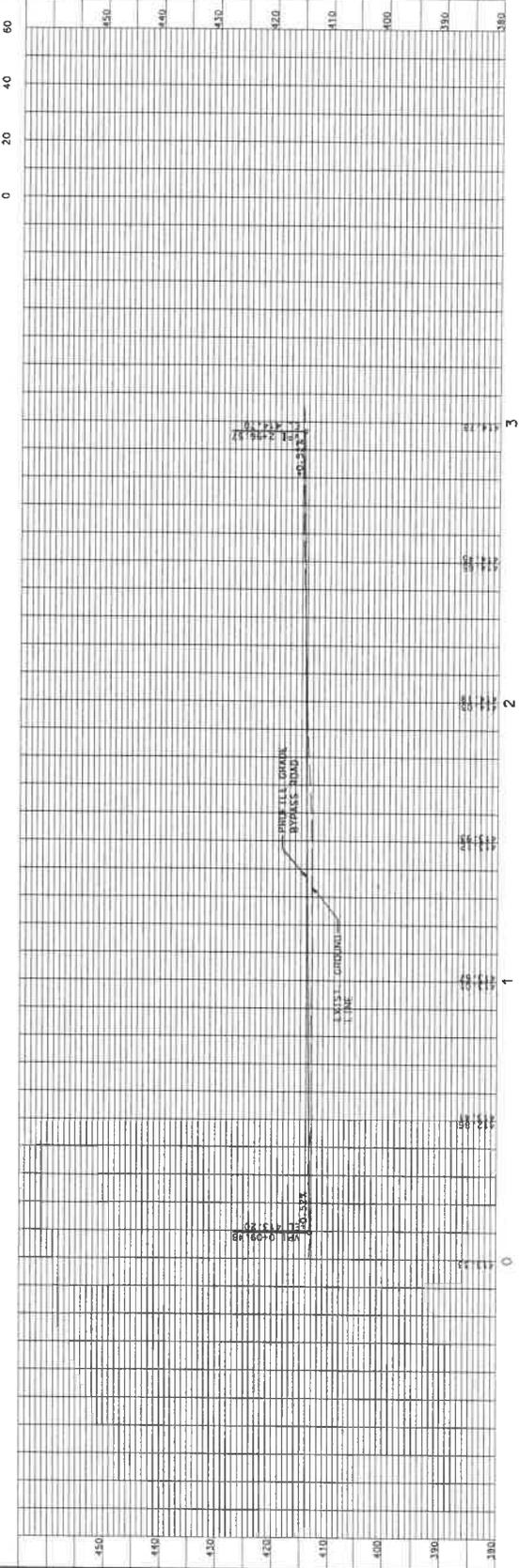


DATE: 9/26/2017 11:29:03 AM
DRAWN BY: JESSICA
CHECKED BY: JESSICA

PROPOSED FACILITY:



CURVE: BYPASS ROAD_3
 PI 0+98.04
 PC 0+43.43
 PT 1+52.19
 Δ 91°56'16.6" (RT)
 D 808.53.0'
 T 54.61'
 R 650.00'



2015-



16305 Swingley Ridge Rd. Suite 300
 Chesterfield, MO 63017
 (314) 231-0100

Starling Airport Road					
Conceptual Construction Costs					
Intersection Above 2015 Flood					
PROJECT INFORMATION					
PROJECT: Starling Airport Road			DATE: October 25, 2017		
JOB NO: 13759			PROJECT MANAGER: John Hock		
CLIENT: City of Arnold			PREPARED BY: JAH		
Item No.	Description	Units	Quantity	Unit Price	Total Price
Roadway Items					
	REMOVAL OF IMPROVEMENTS	LS	1	\$ 118,000	\$ 118,000
	EMBANKMENT IN PLACE	CUYD	2,465	\$ 50	\$ 123,250
	COMPACTING IN CUT	STA	9	\$ 880	\$ 8,096
	LINEAR GRADING, CLASS 1	STA	3	\$ 3,020	\$ 8,758
	TYPE 5 AGGREGATE BASE (4" THICK)	SQYD	3,616	\$ 10	\$ 36,160
	TYPE "C" BITUMINOUS CONCRETE (PAVEMENT)	TONS	309	\$ 160	\$ 49,472
	TYPE "X" BITUMINOUS CONCRETE (BASE)	TONS	1,157	\$ 130	\$ 150,358
	MOBILIZATION	LS	1	\$ 59,000	\$ 59,000
	AREA INLET, SINGLE, OPEN 4 SIDES, UNTRAPPED	EA	6	\$ 2,580	\$ 15,480
	ADJUSTING BASIN OR INLET	EA	1	\$ 950	\$ 950
	REBUILD SINGLE CURB INLET	EA	6	\$ 2,440	\$ 14,640
	REBUILD DOUBLE CURB INLET	EA	1	\$ 2,860	\$ 2,860
	GRATED TROUGH (19')	EA	4	\$ 11,390	\$ 45,560
	SLOTTED DRAIN (12")	LF	496	\$ 190	\$ 94,240
	ALUMINUM HANDRAIL	LF	505	\$ 120	\$ 60,600
	PAVED APPROACH (7")	SY	400	\$ 70	\$ 28,000
	CONCRETE SIDEWALK (4" THICK)	SY	372	\$ 100	\$ 37,200
	CURB AND GUTTER, VERTICAL	LF	1,340	\$ 30	\$ 40,200
	CURB AND GUTTER, MOUNTABLE (3")	LF	496	\$ 40	\$ 19,840
	STANDARD TRAFFIC CONTROL DEVICES	LS	1	\$ 47,200	\$ 47,200
	MODULAR BLOCK WALL (H<4')	SF	2,582	\$ 50	\$ 129,100
	12" CLASS III REINFORCED CONCRETE PIPE CULVERT	LF	265	\$ 90	\$ 23,850
	SODDING	SY	2,160	\$ 20	\$ 43,200
	EROSION CONTROL MEASURES (SITES LESS THAN 1 ACRE)	LS	1	\$ 23,600	\$ 23,600
Road Subtotal					\$ 1,179,614
Right of Way Acquisition					
	EASEMENTS	SF	21,746	\$ 5.00	\$ 108,728
R/W Subtotal					\$ 108,728
				Construction Subtotal:	\$ 1,288,342
				Inflation (%/yrs): 0% 2	\$ -
				Contingency (%): 25%	\$ 322,000
				Construction Total:	\$ 1,610,000
				Utility Relocation:	\$ 50,000
				Permitting:	\$ -
				Design Engineering:	\$ 200,000
Total:					\$ 1,860,000

2017



16305 Swingley Ridge Rd. Suite 300
Chesterfield, MO 63017
(314) 231-0100

Starling Airport Road					
Conceptual Construction Costs					
Intersection Above 2017 Flood					
PROJECT INFORMATION					
PROJECT:	Starling Airport Road	DATE:	September 27, 2017		
JOB NO.:	13759	PROJECT MANAGER:	John Hock		
CLIENT:	City of Arnold	PREPARED BY:	JAH		
Item No.	Description	Units	Quantity	Unit Price	Total Price
Roadway Items					
	REMOVAL OF IMPROVEMENTS	LS	1	\$ 90,500	\$ 90,500
	EMBANKMENT IN PLACE	CUYD	1,682	\$ 50	\$ 84,100
	COMPACTING IN CUT	STA	9	\$ 880	\$ 7,744
	LINEAR GRADING, CLASS 1	STA	3	\$ 3,020	\$ 8,758
	TYPE 5 AGGREGATE BASE (4" THICK)	SQYD	3,534	\$ 10	\$ 35,340
	TYPE "C" BITUMINOUS CONCRETE (PAVEMENT)	TONS	302	\$ 160	\$ 48,272
	TYPE "X" BITUMINOUS CONCRETE (BASE)	TONS	1,139	\$ 130	\$ 148,044
	MOBILIZATION	LS	1	\$ 45,300	\$ 45,300
	SINGLE CURB INLET, UNTRAPPED	EA	3	\$ 3,160	\$ 9,480
	AREA INLET, SINGLE, OPEN 4 SIDES, UNTRAPPED	EA	1	\$ 2,580	\$ 2,580
	GRATE INLET, UNTRAPPED	EA	1	\$ 2,370	\$ 2,370
	MANHOLE	EA	1	\$ 3,320	\$ 3,320
	ADJUSTING BASIN OR INLET	EA	1	\$ 950	\$ 950
	REBUILD SINGLE CURB INLET	EA	6	\$ 2,440	\$ 14,640
	REBUILD DOUBLE CURB INLET	EA	1	\$ 2,860	\$ 2,860
	ALUMINUM HANDRAIL	LF	505	\$ 120	\$ 60,600
	PAVED APPROACH (7")	SY	400	\$ 70	\$ 28,000
	CONCRETE SIDEWALK (4" THICK)	SY	378	\$ 100	\$ 37,800
	CURB AND GUTTER, VERTICAL	LF	1,360	\$ 30	\$ 40,800
	CURB AND GUTTER, MOUNTABLE (3")	LF	975	\$ 40	\$ 39,000
	STANDARD TRAFFIC CONTROL DEVICES	LS	1	\$ 36,200	\$ 36,200
	MODULAR BLOCK WALL (H<4')	SF	1,605	\$ 50	\$ 80,250
	12" CLASS III REINFORCED CONCRETE PIPE CULVERT	LF	281	\$ 90	\$ 25,290
	SODDING	SY	1,742	\$ 20	\$ 34,836
	EROSION CONTROL MEASURES (SITES LESS THAN 1 ACRE)	LS	1	\$ 18,100	\$ 18,100
				Road Subtotal	\$ 905,134
Right of Way Acquisition					
	EASEMENTS	SF	17,346	\$ 5.00	\$ 86,729
				R/W Subtotal	\$ 86,729
				Construction Subtotal:	\$ 991,863
				Inflation (%/yrs): 0% 2	\$ -
				Contingency (%): 25%	\$ 248,000
				Construction Total:	\$ 1,240,000
				Utility Relocation:	\$ 50,000
				Permitting	\$ -
				Design Engineering:	\$ 200,000
				Total:	\$ 1,490,000

National Weather Service
Advanced Hydrologic Prediction Service

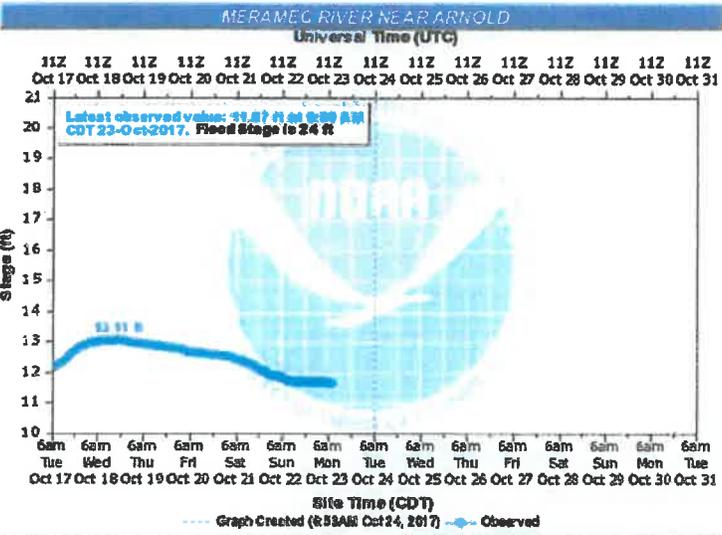
Home News Organization Search for: NWS All NOAA

- Local weather forecast by "City, ST"
 - City, ST
- National Conditions
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 - Satellite
 - Climate
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- Local Conditions
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 - Radar
- AHPS Documentation
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 - User Brochure
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- Feedback/Questions
 - Provide Feedback
 - Ask Questions

National Observation: WFO Observations Hydrograph

Weather Forecast Office St. Louis, MO North Central River Forecast Center

Hydrograph River at a Glance Download



ARNM7(plotting HGIRG) "Gage 0" Datum: 373.21' Observations courtesy of US Geological Survey

Printable Image
About this graph
Tabular Data (UTC)
Tabular Data (CDT)
RSS
Datum: Not Available

NOTE: River forecasts for this location take into account past precipitation and the precipitation amounts expected approximately 48 hours into the future

Default Hydrograph

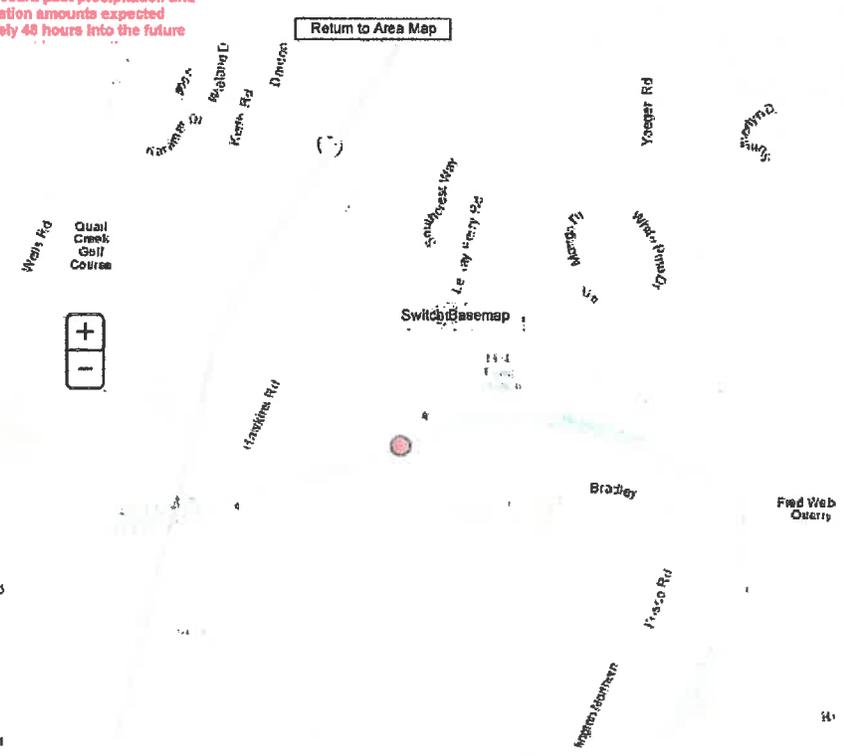
Return to Area Map

Flood Categories:
Major Flood Stage:
Moderate Flood Stage
Flood Stage:
Action Stage:

- Historic Crests
- (1) 47.26 ft on 12/31/2015
 - (2) 45.82 ft on 05/03/2017
 - (3) 45.30 ft on 08/01/1993
 - (4) 43.90 ft on 12/08/1
 - (5) 41.70 ft on 04/14/1
 - (6) 41.10 ft on 05/21/1
 - (7) 39.80 ft on 05/04/1
 - (8) 39.35 ft on 03/22/2
 - (9) 39.05 ft on 06/04/2
 - (10) 38.80 ft on 04/28/
- Show More Historic C

(P): Preliminary values subject to further review

- Recent Crests
- (1) 45.62 ft on 05/03/2
 - (2) 28.58 ft on 04/08/2
 - (3) 47.28 ft on 12/31/2015
 - (4) 35.65 ft on 09/23/2



MEMO

DATE: November 9, 2017

TO: Mayor, City Council

FROM: Tammi Casey

SUBJECT: Utility Billing

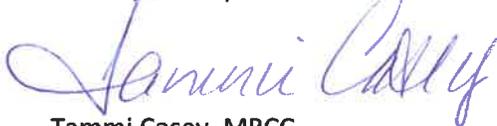
I have attached to this memo a billing breakdown for residential storm water. As you are aware since Republic Services took over billing for trash, the City now only bills for storm water, at a residential rate of \$9.00 per quarter.

In order to make this more cost effective, I suggest changing the residential \$9.00 quarterly bill to a yearly bill of \$36.00, to be mailed in January of each year. This change will be for residential customers only. Commercial customers will continue to be billed quarterly, due to the fact that their bills are much higher than residential customers. This will still provide revenue of over \$65,000.00 quarterly for commercial storm water billing.

Making this one change will save the City approximately \$10,000.00 per year in expenses; this does not include labor hours, but simply postage, envelopes and paper. So the savings is actually higher.

I have spoken to many residents this past month regarding their storm water bill and everyone is highly in favor of making the change to a yearly billing cycle. They have all told me they would much rather write one \$36.00 check once a year than have to write four \$9.00 checks. Converting to a yearly billing will also save our residents money.

Thank you for your consideration.



Tammi Casey, MRCC
City Clerk

RESIDENTIAL STORMWATER BILLING BREAKDOWN

APPROXIMATE BILLS SENT PER QUARTER:	7006
APPROXIMATE DOLLAR AMOUNT BILLED:	\$ 77,622.29
POSTAGE PAID PER QUARTER:	\$ 3,222.76
COST OF ENVELOPES PER QUARTER:	\$ 75.00
COST OF PAPER PER QUARTER:	\$ 30.00
TOTAL BILLING COST PER QUARTER	\$ 3,327.76
TOTAL BILLING COST PER YEAR (@ 4 QTRS PER YEAR)	\$13,311.04
CHANGE TO YEARLY BILLING CYCLE WOULD SAVE:	\$ 9,983.28