



THIS SHEET HAS BEEN  
SIGNED, SEALED, AND  
DATED ELECTRONICALLY

REVISION

PROJECT NUMBER  
STP-7302(648)

GBA PROJECT NUMBER  
13244.00

DATE  
10/6/2017

DESIGNED:  
KLO

DRAWN:  
KLO

REVIEWED

SHEET TITLE  
TITLE SHEET

SHEET NUMBER  
1

# AS-BUILT SURVEY WABASH AVENUE RECONSTRUCTION

FOR THE  
CITY OF O'FALLON,  
ST. CHARLES COUNTY, MISSOURI

FEDERAL-AID PROJECT NUMBER  
STP-7302(648)

S21 T47N R3E



VICINITY MAP  
Scale: Not To Scale

LENGTH OF PROJECT  
WABASH AVENUE: 1,837.24 FEET

## DESIGN CRITERIA

A.A.D.T. - 2013	2,500
A.A.D.T. - 2033	4,200
LANE WIDTH	11'
MAXIMUM GRADIENT	6.0%
MINIMUM STOPPING SIGHT DISTANCE (CREST)	445'
MINIMUM K VALUE (CREST)	80
MINIMUM K VALUE (SAG)	70
MINIMUM HORIZONTAL CURVE RADIUS	533'
CLASSIFICATION:	MAJOR COLLECTOR
WABASH AVENUE	40 M.P.H.
DESIGN SPEED	

## GENERAL NOTES

- All utility service lines shall be kept in service and protected during construction operations. The drawings indicate the location of known existing utility service lines as could best be determined. However, such locations are not guaranteed and the plans may not show the location of all existing utility lines. It shall be the Contractor's responsibility to verify and locate all existing utility service lines and immediately notify the Engineer of any conflicts and discrepancies.
- No area shall be cleared without permission of the Project Engineer.
- This project shall be administered in accordance with the latest Saint Charles County Specifications for Highway Construction.

## INDEX OF SHEETS

Sht. No.	Description
1	TITLE SHEET
2	TYPICAL SECTIONS (2 SHEETS)
2A	ROW TAKING TABLE
3	SUMMARY OF QUANTITIES (3 SHEETS)
4-9	PLAN AND PROFILE
10-11	STORM SEWER PROFILES
12	COORDINATE POINTS
13-14	INTERSECTION DETAILS
15-17	CONSTRUCTION DETAILS
18-20	TRAFFIC CONTROL & STAGING
21-23	DETOUR PLAN
24	PAVEMENT MARKING AND SIGNING
25-27	EROSION CONTROL
28	CHANNEL GRADING
29-36	CULVERT
37-42	WALL
1-22	CROSS SECTIONS

## PROJECT BENCHMARKS

BM #1 - SET REBAR WITH CAP; NORTH FROM THE INTERSECTION OF EAST ELM STREET AND SONDEREN STREET; SOUTH OF RAILROAD TRACKS; WEST OF RONNIE DRIVE. SEE CONTROL POINT #1 ON COORDINATE SHEET.  
ELEV. = 527.63

BM #2 - CUT CROSS IN CONCRETE; EAST OF EDLEN LANE; SOUTHWEST OF EAST OLD WABASH STREET; NORTH FROM INTERSECTION OF WABASH SPUR DRIVE AND WABASH WOODS WAY; SEE CONTROL POINT #4 ON COORDINATE SHEET.  
ELEV. = 509.29

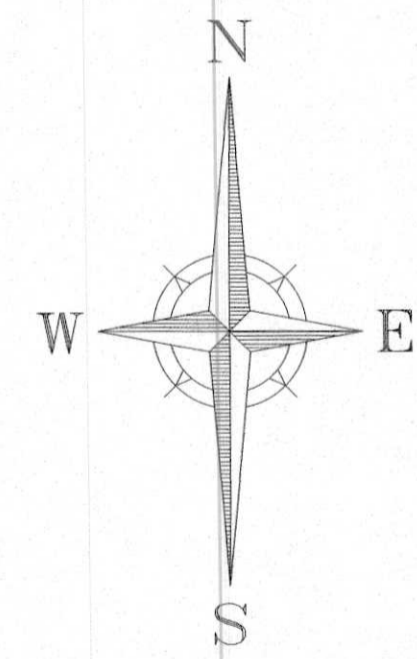
## ABBREVIATIONS (USED IN PLANS)

SLOPE LIMIT	S.L.
RIGHT-OF-WAY	R/W
EXISTING	EXIST.
PROPOSED	PROP.
PERMANENT DRAINAGE EASEMENT	PDE
PERMANENT WALL EASEMENT	PWE
TEMPORARY CONSTRUCTION ESM'T	T.C.E
TEMP. CONST. LICENSE	T.C.L.
REMOVE	(R)
REMOVE & REPLACE	(R&R)
RELOCATE	(REL)
USE IN PLACE	(UIP)
DO NOT DISTURB	(DND)
ADJUST TO GRADE	(ATG)
TO BE REMOVED BY OTHERS	(TBRBO)
ADJUST TO GRADE BY OTHERS	(ATGBO)
TO BE ABANDONED AND FILLED	TBA&F
FLAT BOTTOM DITCH	F.B.D.
SPECIAL FLAT BOTTOM DITCH	S.F.B.D.
REMOVE AND REPLACE TO SLOPE LIMITS	(R&R TO S.L.)
RELOCATE BY OTHERS	(RELBO)
SAVE	(S)
EMBANKMENT	(EMB)

## CONVENTIONAL SYMBOLS (USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES	[Symbol]	[Symbol]
GUARD RAIL	[Symbol]	[Symbol]
CONCRETE RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
STEEL RIGHT-OF-WAY MARKER	[Symbol]	[Symbol]
LOCATION SURVEY MARKER	[Symbol]	[Symbol]
UTILITIES		
CENTURYLINK FIBER LINE	-FO-	-FO-
CENTURYLINK COPPER LINE	-T-	-T-
CHARTER CABLE	-CATV-	-CATV-
OVERHEAD/UNDERGROUND POWER	-P-	-P-
GAS LINE	-G-	-G-
WATER	-W-	-W-
STORM MANHOLE	[Symbol]	[Symbol]
SANITARY MANHOLE	[Symbol]	[Symbol]
FIRE HYDRANT	[Symbol]	[Symbol]
WATER VALVE	[Symbol]	[Symbol]
WATER METER	[Symbol]	[Symbol]
DROP INLET	[Symbol]	[Symbol]
DITCH BLOCK	[Symbol]	[Symbol]
GROUND MOUNTED SIGN	[Symbol]	[Symbol]
UTILITY POLE	[Symbol]	[Symbol]
LIGHT POLE	[Symbol]	[Symbol]
H-FRAME POWER POLE	[Symbol]	[Symbol]
TELEPHONE PEDESTAL	[Symbol]	[Symbol]
FENCE	[Symbol]	[Symbol]
EXIST. FENCE	[Symbol]	[Symbol]
GATE POST	[Symbol]	[Symbol]
BENCHMARK	[Symbol]	[Symbol]
TREELINE	[Symbol]	[Symbol]
TREE	[Symbol]	[Symbol]
GUY ANCHOR	[Symbol]	[Symbol]
CRASHWORTHY END TERMINAL	[Symbol]	[Symbol]
END TERMINAL	[Symbol]	[Symbol]

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



## UTILITY COMPANIES

	COMPANY	NAME	ADDRESS	TELEPHONE/FAX	EMAIL ADDRESS
Electric	Ameren Missouri	Tara Riney	1901 Chateau Avenue St. Louis, Missouri 63103	Tel: 636-695-4741 Fax:	triney@ameren.com
Telephone	CenturyLink	Marcia Gay	1151 CenturyTel Drive Wentzville, Missouri 63385	Tel: 636-332-7261 Fax:	marcia.gay@centurylink.com
Cable	Charter Communications	John Danowski	815 Charter Commons Town & Country, Missouri 63017	Tel: 636-387-6650 Fax:	richard.sturk@chartercom.com
Gas	Spire Energy	Kent Thaumert	6400 Graham Road Berkeley, Missouri 63134	Tel: 314-522-2297 Fax:	kent.thaumert@spireenergy.com
Water & Sewer	City of O'Fallon	Mike Pratt	1051 Public Works Drive O'Fallon, Missouri 63366	Tel: 636-379-7605 Fax:	mpratt@ofallon.mo.us

TO: CITY OF O'FALLON

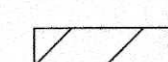
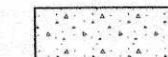
THIS IS TO CERTIFY THAT WE HAVE DURING JANUARY, 2019 AT THE ORDER OF CITY OF O'FALLON EXECUTED AN AS-BUILT SURVEY ACCORDING TO THE CURRENT MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS AND MEETS THE ACCURACY STANDARDS FOR URBAN PROPERTY OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES, DIVISION OF GEOLOGY AND LAND SURVEY, AND THE MISSOURI BOARD OF REGISTRATION FOR ARCHITECTS, PROFESSIONAL ENGINEERS, PROFESSIONAL LAND SURVEYORS AND LANDSCAPE ARCHITECTS AND THAT THE RESULTS OF SAID SURVEY ARE CORRECTLY SHOWN HEREON.



John E. Winkler, Jr.  
JOHN E. WINKLER, JR., PLS 2006016644



**LEGEND**

-  PARKING LOT PAVEMENT REPLACEMENT
-  PROP. SIDEWALK

N/F  
O'FALLON COMMUNITY ATHLETIC CLUB  
4266/1995  
2-051C-S021-00-0024.1  
401 E WABASH AVE  
NO TAKING

②  
N/F  
W. MORRIS TAYLOR, TRUSTEE  
1907/1200  
2-051C-S021-00-0024.0  
415 E WABASH AVE  
EXISTING AREA = 28,314 SF  
ROW AREA = 24 SF  
TCE AREA = 1,753 SF  
REMAINING AREA = 28,290 SF

**METRON**  
Surveying & Layout Co.  
313 Wood Street  
O'Fallon, MO 63366  
Ph: 314-432-5400 Fx: 636-294-5851

*John E. Winkler Jr.*  
John E. Winkler Jr. PLS-2006016644  
Order No. 8601 Date: 1-29-2019



END CONSTRUCTION  
STA 10+55.24  
MATCH EXIST.

RONNIE DRIVE

**DRIVEWAYS**  
STA 101+02.53 LT  
RT ANGLE  
W=30' GR. = N/A  
TYPE 1  
ASPHALT DRIVEWAY  
STA 102+16.54 RT  
RT ANGLE  
W=49' GR. = 5.74%  
TYPE 1  
ASPHALT DRIVEWAY  
STA 102+73.71 LT  
RT ANGLE  
W=30' GR. = 4.10%  
TYPE 1  
ASPHALT DRIVEWAY

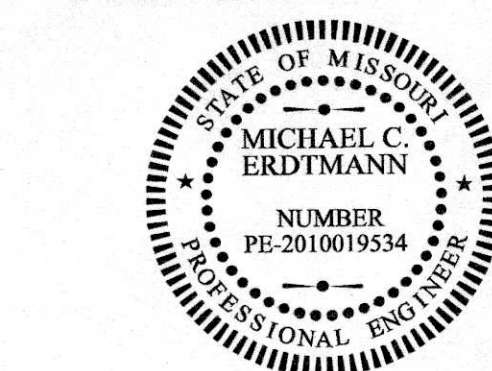
**KEYED NOTES:**  
① +45.45, 29.74' LT  
② +46.51, 25.48' LT

**GBA**  
architects  
engineers

225 S. Main, Suite 103  
O'Fallon, MO 63366  
636.240.2444  
www.gbateam.com

PROPOSED FACILITY:  
**WABASH AVENUE  
RECONSTRUCTION**

CITY OF O'FALLON, MISSOURI  
100 NORTH MAIN STREET  
O'FALLON, MISSOURI 63366



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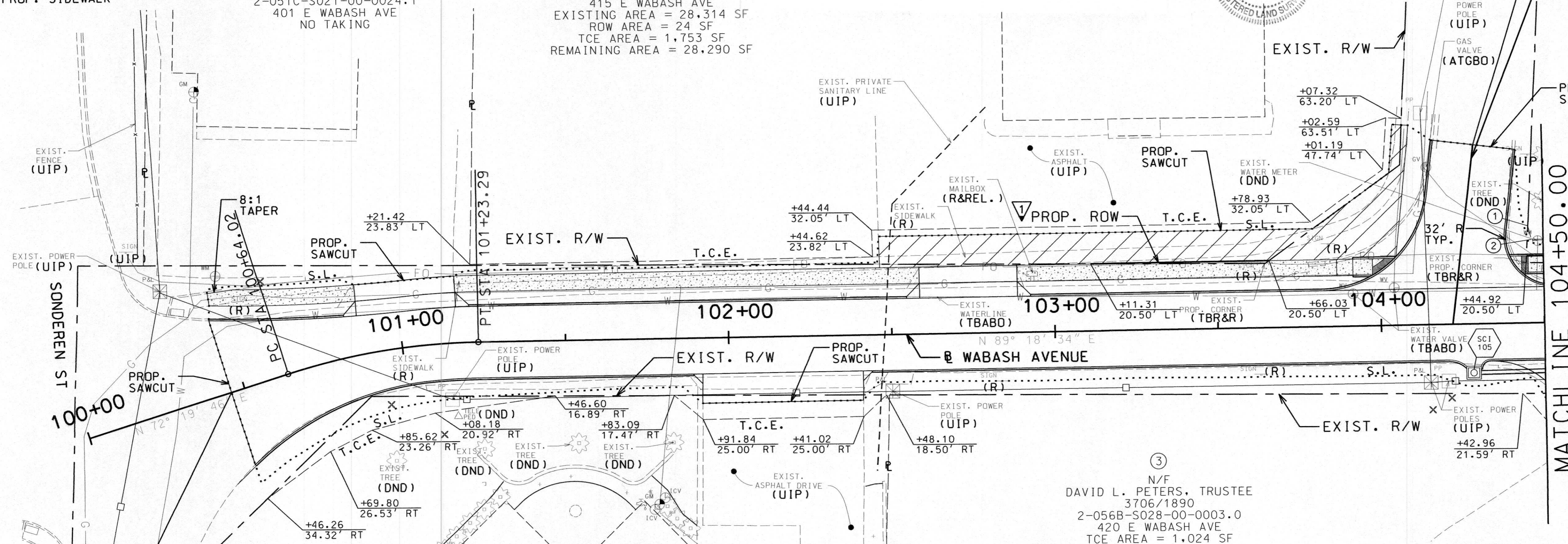
DESIGNED:  
KLO  
DRAWN:  
KLO  
REVIEWED

SHEET TITLE  
**PLAN  
& PROFILE  
SHEET 1 OF 6**

SHEET NUMBER  
4

© GEORGE BUTLER ASSOCIATES, INC. 2008  
Architect 00212  
Professional Engineer 000133  
Landscape Architect 000025  
Professional Land Surveyor 000059

LOCATION OF IMPROVEMENTS AS-BUILT



BEGIN PROJECT  
STA 100+45.82  
MATCH EXIST.

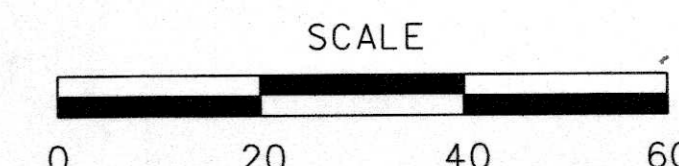
**CURVE WABASH-1**  
PI 100+93.87  
PC 100+64.02  
PT 101+23.29  
Δ 16° 58' 48.4" (RT)  
D 28° 38' 52.4"  
L 59.27'  
T 29.85'  
R 200.00'

①  
N/F  
ROSCH COMPANY, LLC  
3242/1422  
2-056B-S028-00-0005.0  
406 E WABASH AVE  
TCE AREA = 783 SF

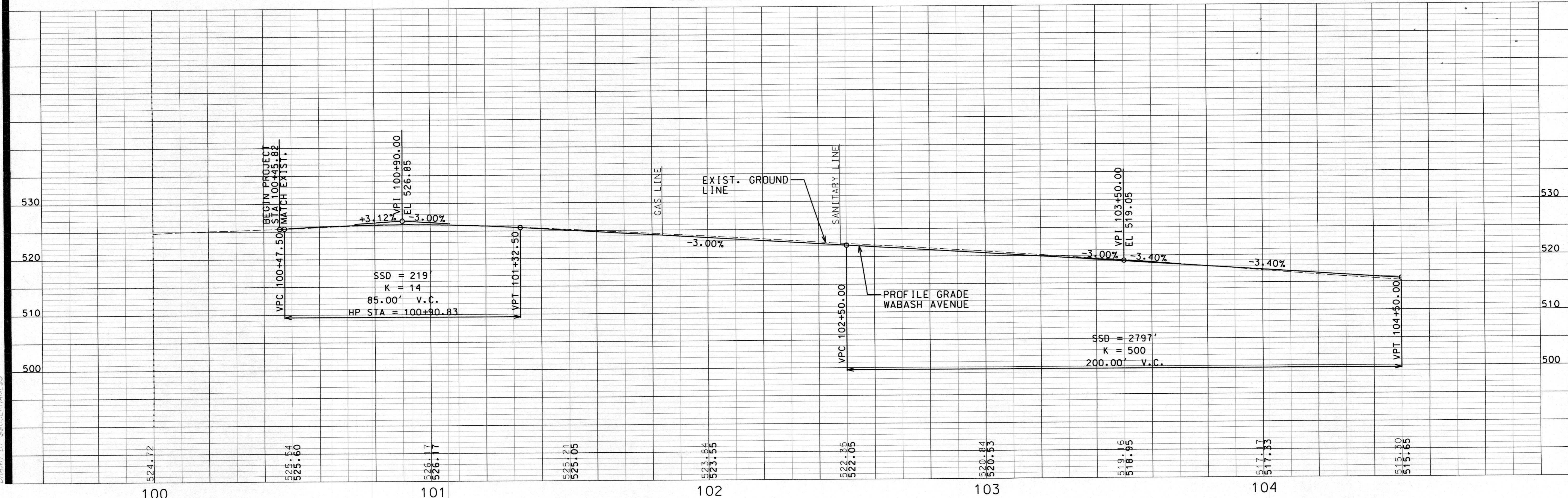
EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND DRAINAGE STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO EXACTLY LOCATE EACH UTILITY BEFORE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ASSUME ALL LIABILITY AND COSTS INCURRED IF FACILITIES ARE DAMAGED DURING PROJECT CONSTRUCTION.

**CONSTRUCTION NOTES:**

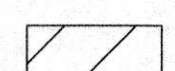

▽ PARKING LOT REPLACEMENT SHALL CONSIST OF 2" TYPE 'C' OVER 4" TYPE 'X' OVER 4" TYPE 5 AGGREGATE BASE. EXTENTS OF PARKING LOT REPLACEMENT SHALL BE A 2' OFFSET INSIDE OF THE TEMPORARY CONSTRUCTION EASEMENTS.

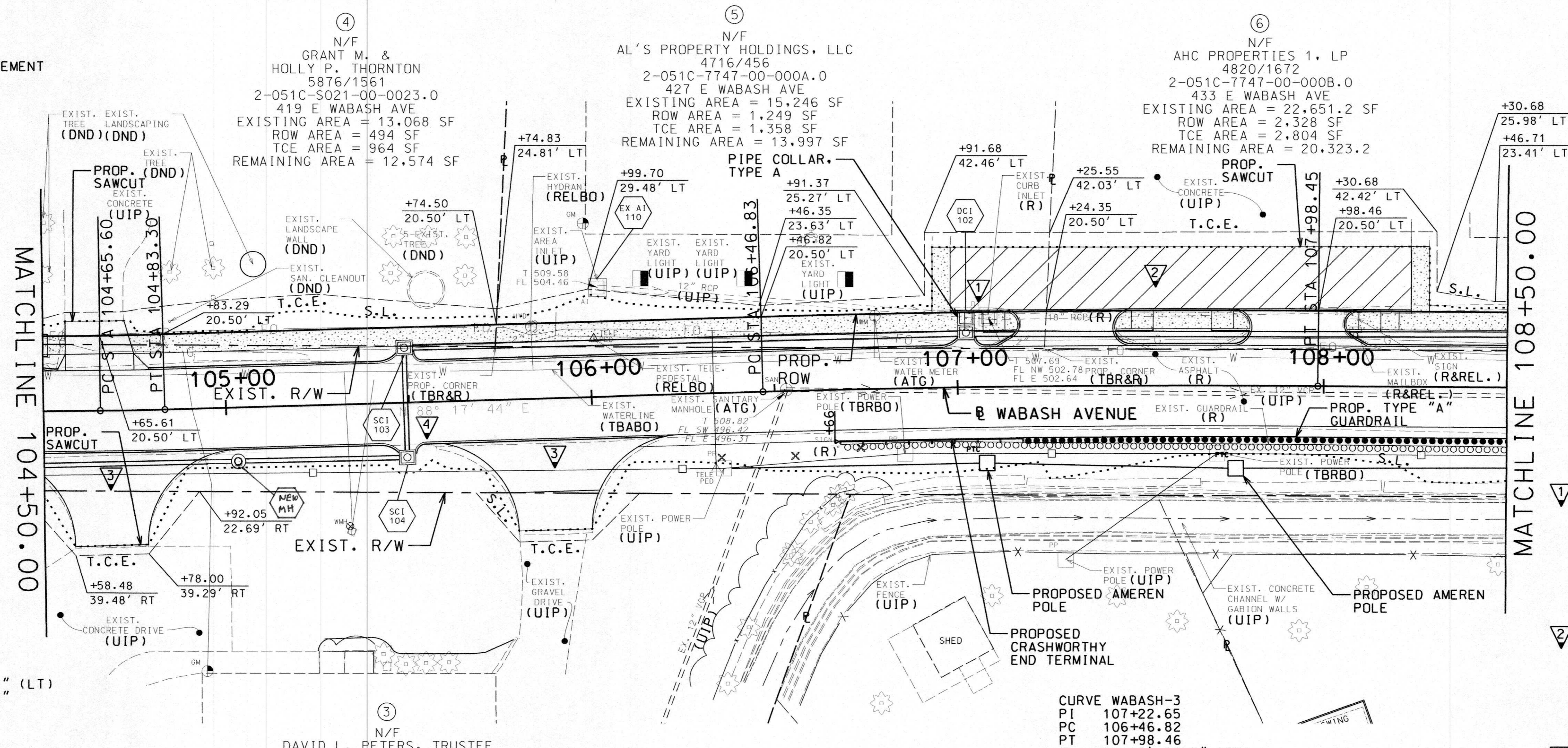


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**LEGEND**

-  PARKING LOT PAVEMENT REPLACEMENT
-  PROP. SIDEWALK

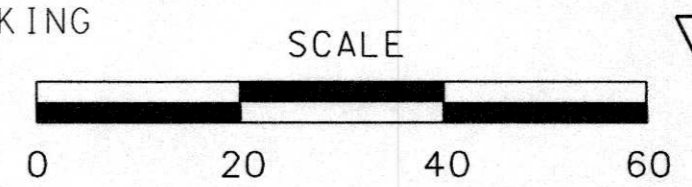


**CURVE WABASH-2**

PI	104+74.45
PC	104+65.60
PT	104+83.29
Δ	1° 00' 50.5" (LT)
D	5° 43' 56.8"
L	17.69'
R	8.84'
	999.50'

**CURVE WABASH-3**

PI	107+22.65
PC	106+46.82
PT	107+98.46
Δ	2° 10' 18.5" (RT)
D	1° 25' 56.0"
L	151.64'
T	75.83'
R	4,000.50'



EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND DRAINAGE STRUCTURES HAVE BEEN PLOTTED FOR AVAILABLE INFORMATION AND THEREFORE, THE LOCATIONS MUST BE CONSIDERED APPROXIMATE. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO EXACTLY LOCATE EACH UTILITY BEFORE ACTUAL CONSTRUCTION. CONTRACTOR ASSUME ALL LIABILITY AND COSTS INCURRED IF FACILITIES ARE DAMAGED DURING PROJECT CONSTRUCTION.

**METRON**  
Surveying & Layout Co.  
313 Wood Street  
O'Fallon, MO 63366  
Ph: 314-432-5400 Fax: 636-294-5851

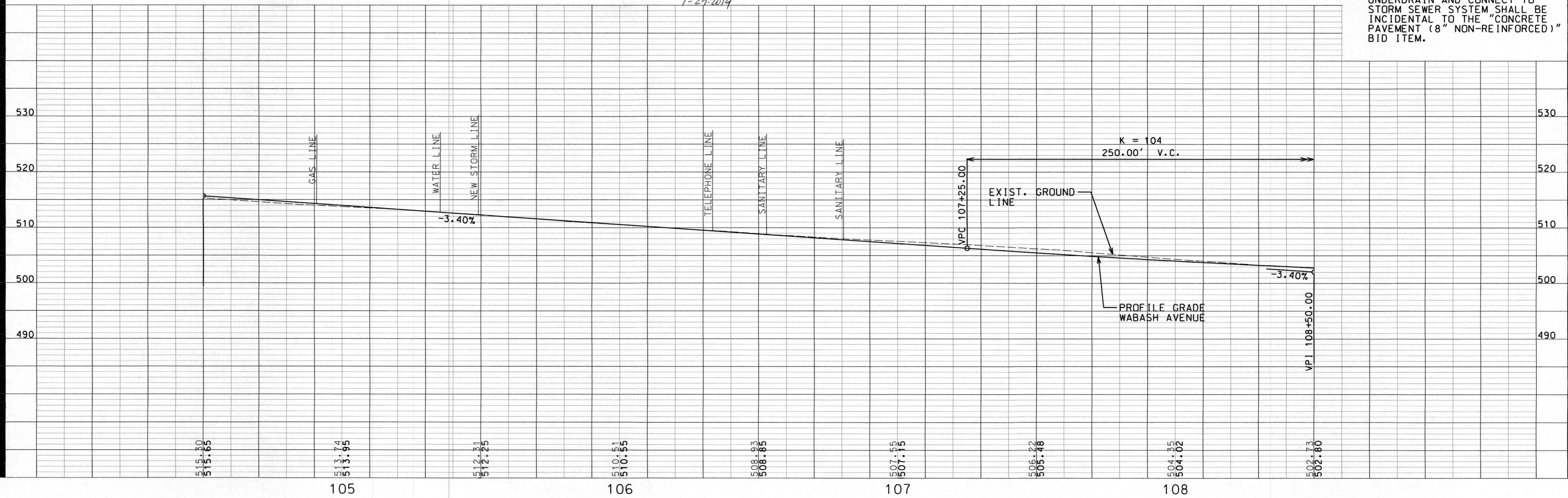
*John E. Winkler Jr.*  
John E. Winkler Jr. PLS-2006016644  
Order No. 8677 Date: 1-29-19



N/F  
DONALD J. & SHARON M. CRADER (H/W)  
5861/1119  
2-056B-4065-00-0045.0  
92 COUNTRY LIFE DR  
NO TAKING

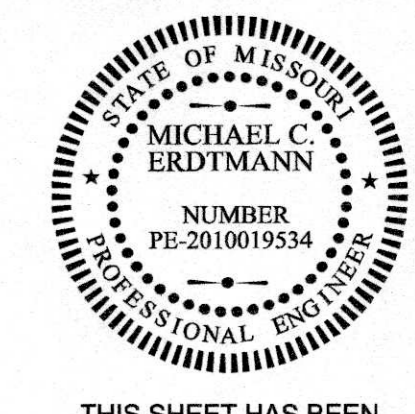
N/F  
KRISTOPHER M DOUGLAS & MELISSA A HARRISON  
4793/439  
2-056B-4065-00-0044.0  
90 COUNTRY LIFE DR  
NO TAKING

- CONSTRUCTION NOTES:**
- 1 STRUCTURE SHALL BE ROTATED AND MODIFIED TO HAVE OPENINGS TO CATCH WATER FROM BOTH THE STREET AND ADJACENT PARKING LOT. STRUCTURE SHALL BE MODIFIED TO USE EXISTING 12" RCP FROM EXIST. STRUCTURE 110. STRUCTURE SHALL BE SET TO MAINTAIN SIDEWALK ADA REQUIREMENTS.
  - 2 PAVEMENT REPLACEMENT FOR PARKING LOT SHALL CONSIST OF 6" NRPC OVER 4" TYPE 5 AGGREGATE BASE. LIMITS OF REPLACEMENT ARE A 4' OFFSET INSIDE OF THE TEMPORARY CONSTRUCTION ESM'T OR TO THE NEAREST JOINT.
  - 3 CONTRACTOR SHALL CONSTRUCT A 3" ROLLED CURB ACROSS ENTRANCE TO KEEP WATER FROM ENTERING. ALL COSTS ASSOCIATED WITH THE CONSTRUCTION OF 3" ROLLED CURB SHALL BE CONSIDERED INCIDENTAL TO BID ITEM "PAVED APPROACH"
  - 4 6" PAVEMENT UNDERDRAIN TO BE INSTALLED BETWEEN SCI 104 AND SCI 103. MATERIAL AND LABOR NECESSARY TO CONSTRUCT UNDERDRAIN AND CONNECT TO STORM SEWER SYSTEM SHALL BE INCIDENTAL TO THE "CONCRETE PAVEMENT (8" NON-REINFORCED)" BID ITEM.



**GBA**  
architects  
engineers  
225 S. Main, Suite 103  
O'Fallon, MO 63366  
636.240.2444  
www.gbateam.com

PROPOSED FACILITY:  
**WABASH AVENUE  
RECONSTRUCTION**  
CITY OF O'FALLON, MISSOURI  
100 NORTH MAIN STREET  
O'FALLON, MISSOURI 63366



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DRAWN:  
KLO  
REVIEWED

SHEET TITLE  
**PLAN  
& PROFILE  
SHEET 2 OF 6**

SHEET NUMBER  
5



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10/6/2017

DESIGNED:  
KLO  
DRAWN:  
KLO  
REVIEWED

SHEET TITLE  
**PLAN  
& PROFILE**  
SHEET 3 OF 6

SHEET NUMBER  
6

- LEGEND**
- PARKING LOT PAVEMENT REPLACEMENT
  - TYPE 2 ROCK BLANKET
  - PROP. SIDEWALK

⑥  
N/F  
AHC PROPERTIES 1, LP  
4820/1672  
2-051C-7747-00-000B.0  
433 E WABASH AVE  
SEE SHEET 5 FOR  
PROPERTY INFORMATION

⑦  
N/F  
WABASH PROPERTIES, LLC  
4820/1672  
2-051C-S021-00-0021.2  
501 E WABASH AVE  
EXISTING AREA = 14,810.4 SF  
ROW AREA = 1,441 SF  
TCE AREA = 1,712 SF  
REMAINING AREA = 13,369.4 SF

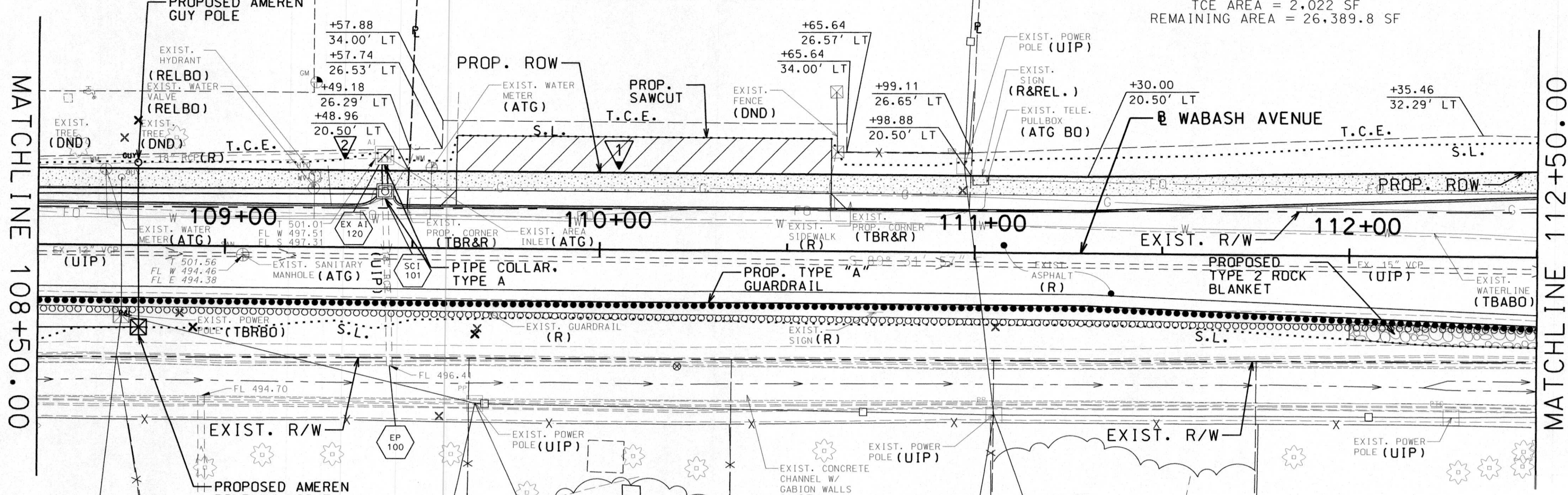
⑧  
N/F  
LEROY C. JACQUELINE M  
JOHN C. & CINDY HOSACK (H/W)  
2612/753  
2-051C-S021-00-0021.1  
E WABASH AVE  
EXISTING AREA = 29620.8  
ROW AREA = 3,231 SF  
PDE AREA = 1992 SF  
TCE AREA = 2,022 SF  
REMAINING AREA = 26,389.8 SF

**DRIVEWAYS**  
STA 110+11.64 LT  
RT ANGLE  
W=100' GR.= 0.30%  
TYPE 1  
ASPHALT DRIVEWAY

**CONSTRUCTION NOTES:**

1. PARKING LOT REPLACEMENT SHALL CONSIST OF 2" TYPE 'C' OVER 4" TYPE 'X' OVER 4" TYPE 5 AGGREGATE BASE. EXTENT OF PARKING LOT REPLACEMENT SHALL BE A 4' OFFSET INSIDE OF THE TEMPORARY CONSTRUCTION EASEMENTS.

2. UPON REMOVAL OF EXISTING 18" RCP, CONTRACTOR IS TO PATCH OPENING ACCORDING TO MSD STANDARDS. ALL WORK ASSOCIATED WITH PATCHING PIPE OPENING SHALL BE CONSIDERED INCIDENTAL TO OTHER DRAINAGE ITEMS.



EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND DRAINAGE STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO EXACTLY LOCATE EACH UTILITY BEFORE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ASSUME ALL LIABILITY AND COSTS INCURRED IF FACILITIES ARE DAMAGED DURING PROJECT CONSTRUCTION.

N/F  
CLARENCE D & SUSAN M  
MCKINNEY (H/W)  
1036/1941  
2-056B-4065-00-0043.0  
88 COUNTRY LIFE DR  
NO TAKING

N/F  
LORA J PECK-MCNEAL  
5752/1324  
2-056B-4065-00-0042.0  
86 COUNTRY LIFE DR  
NO TAKING

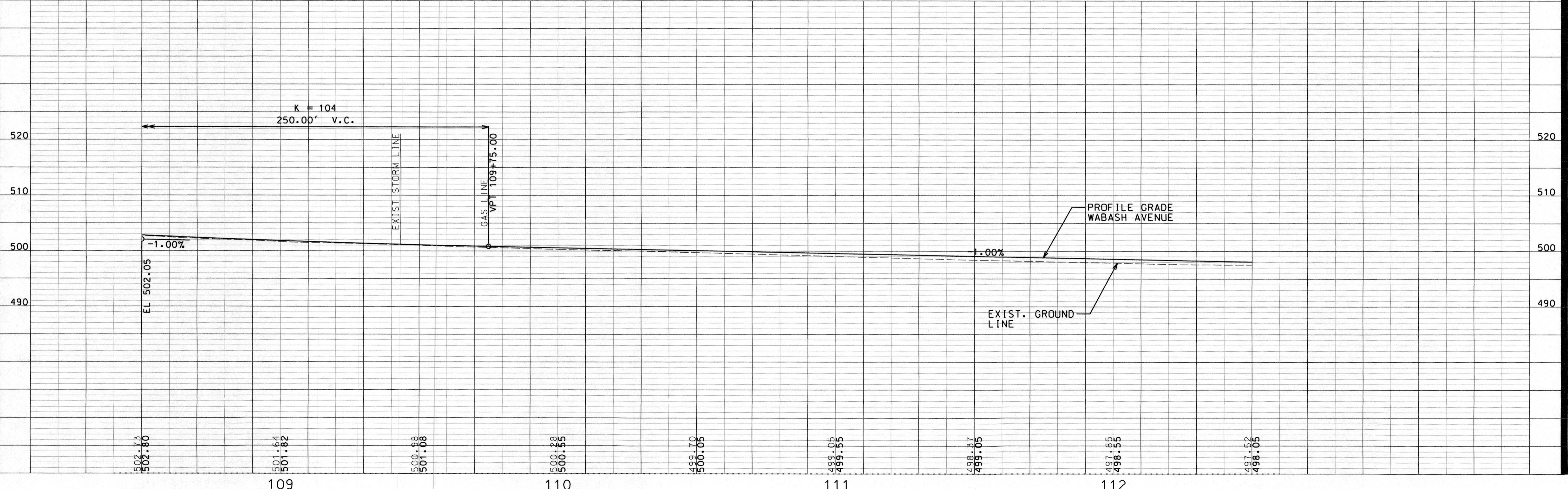
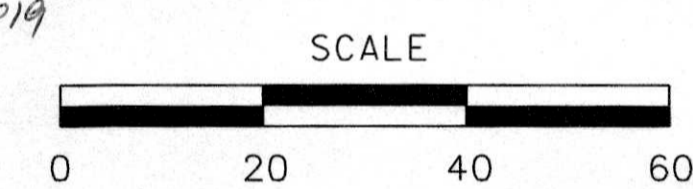
N/F  
HERBERT R & MARY E  
GIBLER (H/W)  
1642/619  
2-056B-4065-00-0041.0  
84 COUNTRY LIFE DR  
NO TAKING

N/F  
NICHOLAS R & HEATHER L  
HAYDEN (H/W)  
5529/833  
2-056B-4065-00-0040.0  
82 COUNTRY LIFE DR  
NO TAKING

⑨  
N/F  
CHRISTINE M ANDERSON  
1478/1906  
2-056B-4065-00-0039.0  
15 EDLEN LN  
SEE SHEET 7 FOR  
PROPERTY INFORMATION

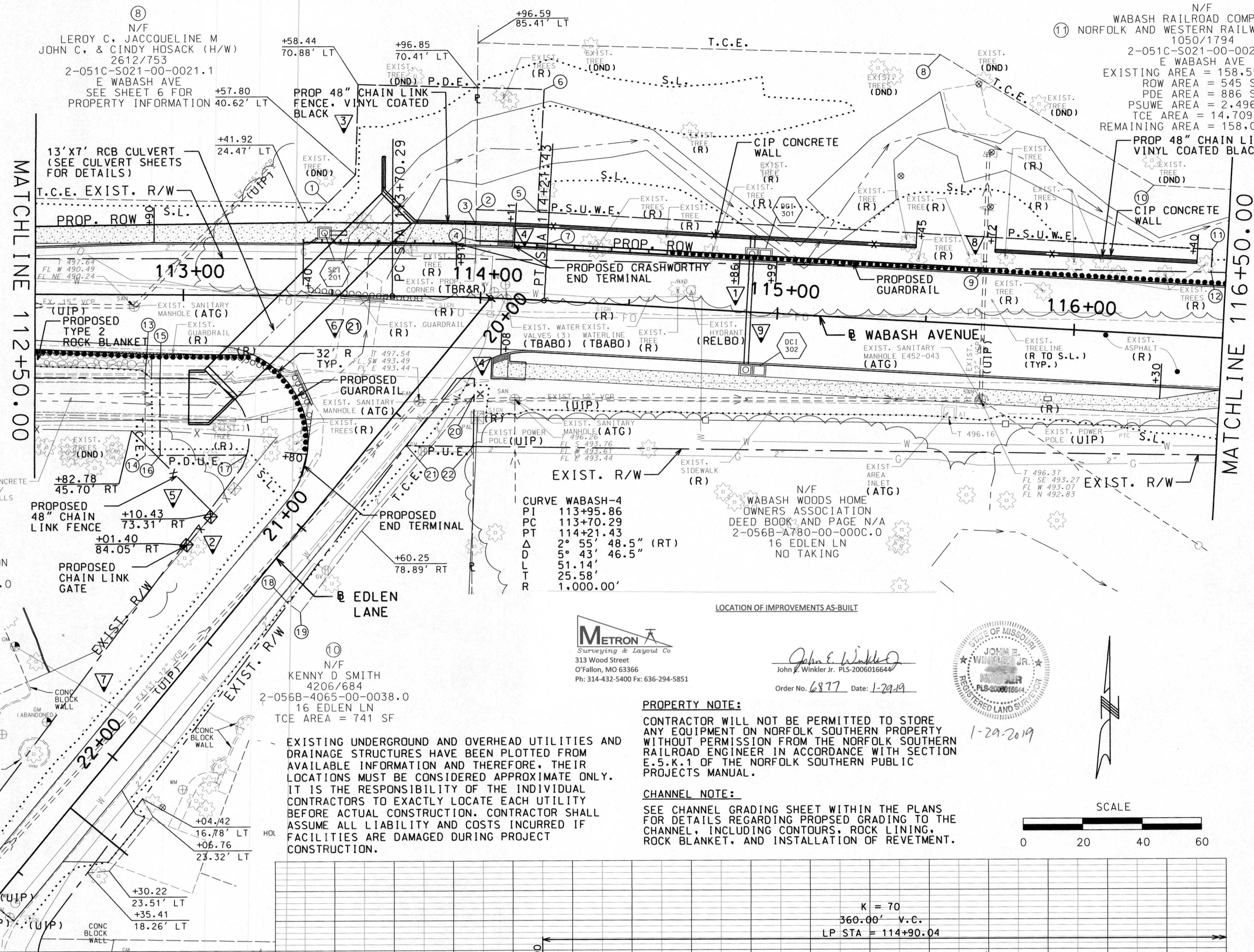
**METRON**  
Surveying & Layout Co  
313 Wood Street  
O'Fallon, MO 63366  
Ph: 314-432-5400 Fx: 636-294-5851

John E. Winkler  
John E. Winkler Jr. PLS-2006016644  
Order No. 6877 Date: 1-29-19



FILE: G:\13244 Micro Highways\13244R1303.dgn  
PRINTED ON: 10/6/2017 10:37:26 AM  
PLOTTER: HP DesignJet 5000

- LEGEND**
- TYPE 2 ROCK BLANKET
  - PROP. SIDEWALK



**CURVE WABASH-4**

PI	113+95.86
PC	113+70.29
PT	114+21.43
$\Delta$	2° 55' 48.5" (RT)
D	5° 43' 46.5" (RT)
L	51.14'
T	25.58'
R	1,000.00'

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Surveying & Layout Co.  
313 Wood Street  
O'Fallon, MO 63366  
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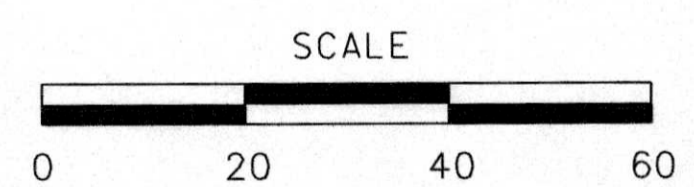


**PROPERTY NOTE:**

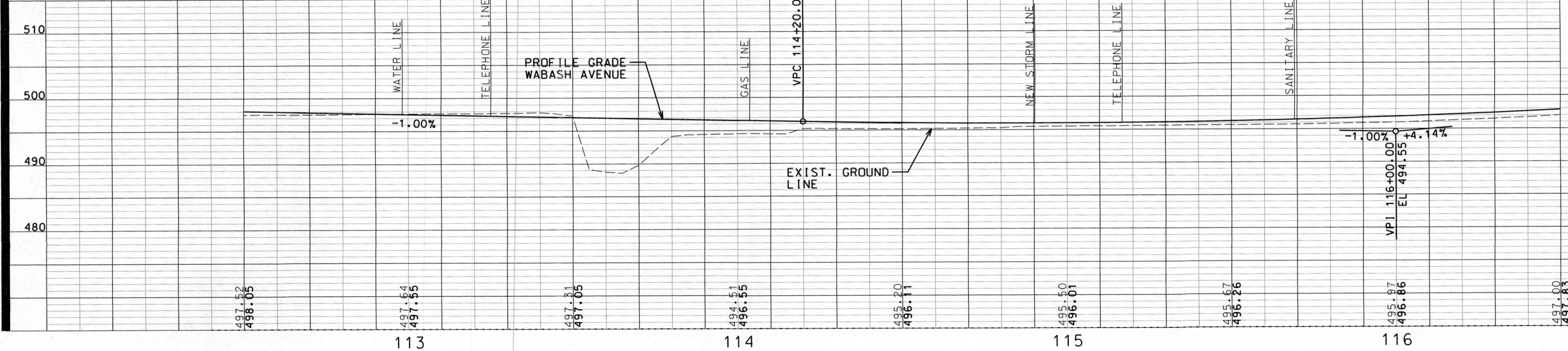
CONTRACTOR WILL NOT BE PERMITTED TO STORE ANY EQUIPMENT ON NORFOLK SOUTHERN PROPERTY WITHOUT PERMISSION FROM THE NORFOLK SOUTHERN RAILROAD ENGINEER IN ACCORDANCE WITH SECTION E.5.K.1 OF THE NORFOLK SOUTHERN PUBLIC PROJECTS MANUAL.

**CHANNEL NOTE:**

SEE CHANNEL GRADING SHEET WITHIN THE PLANS FOR DETAILS REGARDING PROPOSED GRADING TO THE CHANNEL, INCLUDING CONTOURS, ROCK LINING, ROCK BLANKET, AND INSTALLATION OF RETMENT.



END CONSTRUCTION STA 22+63.72 MATCH EXIST.



**DRIVEWAYS**  
STA 22+22.21 LT  
RT ANGLE  
W=18.5', GR.= 11.95%  
CONCRETE DRIVEWAY

- KEYED NOTES:**
- ① +48.45, 31.11' LT
  - ② +97.61, 29.50' LT
  - ③ +97.70, 24.50' LT
  - ④ +97.81, 19.00' LT
  - ⑤ +17.76, 29.50' LT
  - ⑥ +17.76, 70.67' LT
  - ⑦ +21.43, 19.00' LT
  - ⑧ +50.00, 89.74' LT
  - ⑨ +69.06, 19.00' LT
  - ⑩ +24.13, 50.00' LT
  - ⑪ +45.00, 29.50' LT
  - ⑫ +45.00, 21.82' LT
  - ⑬ +87.17, 27.96' RT
  - ⑭ +87.38, 53.98' RT
  - ⑮ +92.17, 27.94' RT
  - ⑯ +92.38, 53.93' RT
  - ⑰ +21.45, 53.70' RT
  - ⑱ +39.77, 106.51' RT
  - ⑲ +98.88, 32.80' RT
  - ⑳ +75.51, 50.26' RT
  - ㉑ +99.26, 50.04' RT

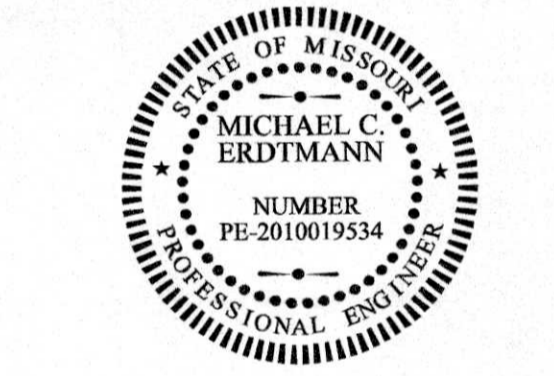
**CONSTRUCTION NOTES:**

- 1 CONTRACTOR SHALL INSTALL TYPE "D" GUARDRAIL TO SPAN PROPOSED DCI 301
- 2 CHAIN LINK GATE SHALL BE CONSTRUCTED TO MATCH EXIST. GATE AND IS TO BE CONSIDERED INCIDENTAL TO BID ITEM '42" CHAIN LINK FENCE'.
- 3 CONTRACTOR SHALL INSTALL 48" CHAIN LINK FENCE, VINYL COATED BLACK, ALONG TOP OF CIP WALL FROM STA 113+67 TO STA 115+45 AND STA 115+72 TO STA 116+40.
- 4 CONTRACTOR SHALL CONSTRUCT TYPE 3 PARALLEL RAMPS THAT CONFORM TO THE DETAILS PROVIDED WITHIN THE PLANS.
- 5 CONTRACTOR SHALL COORDINATE WITH CITY AND PROPERTY OWNER FOR THE PLANTING OF THREE 2" CALIPER TREES.
- 6 REMOVE EXIST. VARIES X 7' REINFORCED CONCRETE BOX CULVERT (SEE REPORT IN SPECIFICATIONS FOR LEAD DETAILS)
- 7 CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER FOR REMOVAL AND STORAGE OF CONCRETE PILLARS WITHIN RIGHT OF WAY
- 8 CONTRACTOR SHALL TAKE CARE TO AVOID EXIST. VCP DURING GUARDRAIL INSTALLATION.
- 9 6" PAVEMENT UNDERDRAIN TO BE INSTALLED BETWEEN DCI 302 AND DCI 301. MATERIAL AND LABOR NECESSARY TO CONSTRUCT UNDERDRAIN AND CONNECT TO STORM SEWER SYSTEM SHALL BE INCIDENTAL TO THE "CONCRETE PAVEMENT (8" NON-REINFORCED)" BID ITEM.

**GBA**  
architects  
engineers

225 S. Main, Suite 103  
O'Fallon, MO 63366  
636.240.2444  
www.gbateam.com

**PROPOSED FACILITY:**  
**WABASH AVENUE RECONSTRUCTION**  
CITY OF O'FALLON, MISSOURI  
100 NORTH MAIN STREET  
O'FALLON, MISSOURI 63366



THIS SHEET HAS BEEN SIGNED, SEALED, AND DATED ELECTRONICALLY

**REVISION**


PROJECT NUMBER  
STP-7302(648)  
GBA PROJECT NUMBER  
13244.00  
DATE  
10/6/2017

DESIGNED:  
KLO  
DRAWN:  
KLO  
REVIEWED

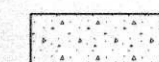
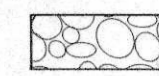
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**PLAN & PROFILE**  
**SHEET 4 OF 6**

SHEET NUMBER  
7

GEORGE BUTLER ASSOCIATES, INC. 2008  
Architect 00212  
Professional Engineer 000133  
Landscape Architect 000025  
Professional Land Surveyor 000059

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DRAWN BY: SJC/CEP/UES  
DATE: 10/6/2017 10:52:26 AM

**LEGEND**

-  PROPOSED SIDEWALK
-  TYPE 2 ROCK BLANKET

N/F  
WABASH RAILROAD COMPANY &  
NORFOLK AND WESTERN RAILWAY COMPANY  
1050/1794  
2-051C-S021-00-0021.0  
E WABASH AVE  
SEE SHEET 7 FOR  
PROPERTY INFORMATION

CURVE WABASH-5  
PI 118+66.23  
PC 118+44.58  
PT 118+87.88  
2° 28' 52.8" (LT)  
5° 43' 46.5"  
43.31'  
21.66'  
1,000.00'

EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND DRAINAGE STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL CONTRACTORS TO EXACTLY LOCATE EACH UTILITY BEFORE ACTUAL CONSTRUCTION. CONTRACTOR SHALL ASSUME ALL LIABILITY AND COSTS INCURRED IF FACILITIES ARE DAMAGED DURING PROJECT CONSTRUCTION.

**GBA**  
architects  
engineers

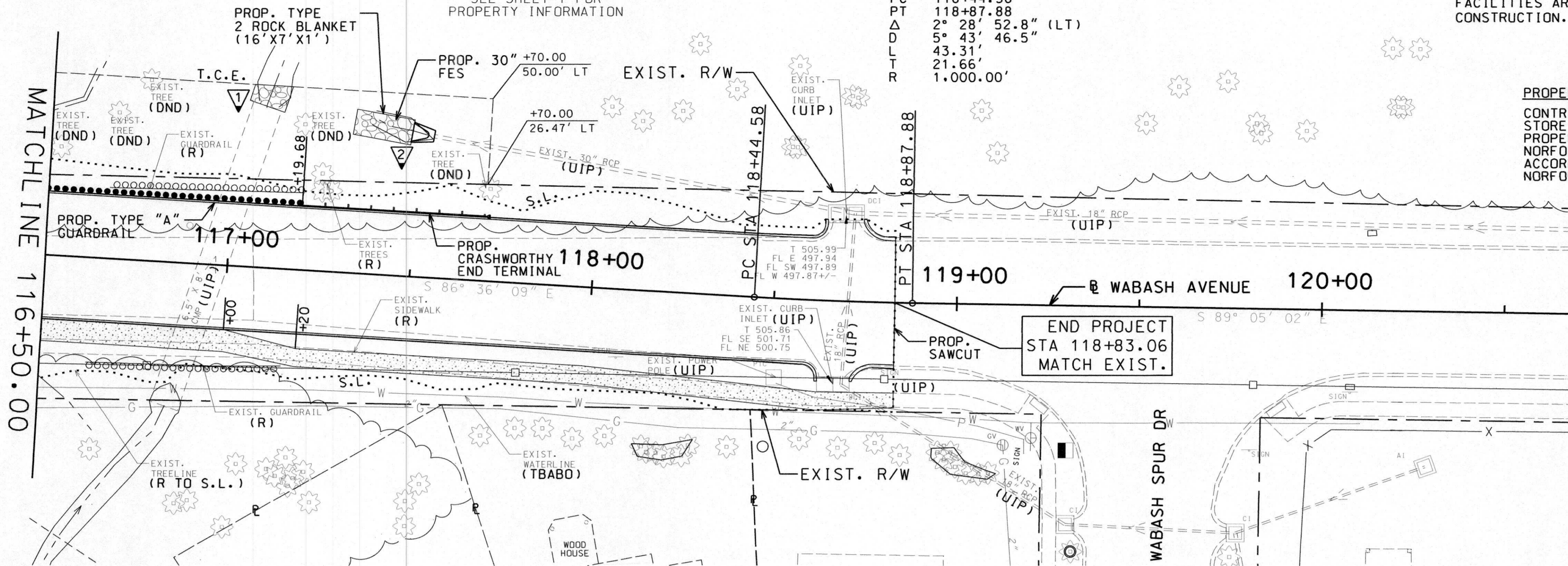
225 S. Main, Suite 103  
O'Fallon, MO 63366  
636.240.2444  
www.gbateam.com

**PROPERTY NOTE:**

CONTRACTOR WILL NOT BE PERMITTED TO STORE ANY EQUIPMENT ON NORFOLK SOUTHERN PROPERTY WITHOUT PERMISSION FROM THE NORFOLK SOUTHERN RAILROAD ENGINEER IN ACCORDANCE WITH SECTION E.5.K.1 OF THE NORFOLK SOUTHERN PUBLIC PROJECTS MANUAL.

**CONSTRUCTION NOTES:**

- 1 CONTRACTOR SHALL PLACE TYPE 2 ROCK BLANKET TO THE TEMPORARY CONSTRUCTION EASEMENT.
- 2 CONTRACTOR SHALL INSTALL A NEW 30" FES AT THE EXISTING FLOWLINE ELEVATION. ALL GRADING PERFORMED TO MAINTAIN NECESSARY POSITIVE DRAINAGE SHALL BE INCIDENTAL TO THE "30" FES" BID ITEM.



N/F  
WABASH WOODS HOME  
OWNERS ASSOCIATION  
DEED BOOK AND PAGE N/A  
2-056B-A780-00-000C.0  
WABASH WOODS WAY  
NO TAKING

N/F  
KEVIN J & CECELIA L JOHNSON  
6100/426  
2-056B-A780-00-0049.0  
306 WABASH WOODS WAY  
NO TAKING

N/  
MARIDE  
5695  
2-056B-A780  
308 WABASH  
NO TAKING

**METRON**  
Surveying & Layout Co.  
313 Wood Street  
O'Fallon, MO 63366  
Ph: 314-432-5400 Fx: 636-294-5851

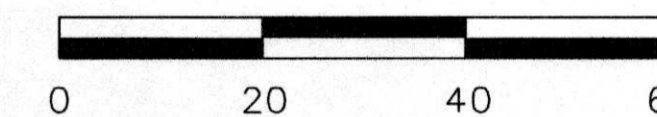
LOCATION OF IMPROVEMENTS AS-BUILT

*John E. Winkler Jr.*  
John E. Winkler Jr. PLS-2006016644  
Order No. 29-19 Date: 1-29-2019



N/F  
TIMOTHY R &  
VICTORIA A MURRAY  
5122/851  
2-056B-A614-00-0069.0  
314 WABASH WOODS WAY  
NO TAKING

SCALE



PROPOSED FACILITY:

**WABASH AVENUE  
RECONSTRUCTION**

CITY OF OFFALLOM, MISSOURI  
100 NORTH MAIN STREET  
OFFALLOM, MISSOURI 63366



THIS SHEET HAS BEEN  
SIGNED, SEALED, AND  
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REVISION

PROJECT NUMBER  
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GBA PROJECT NUMBER  
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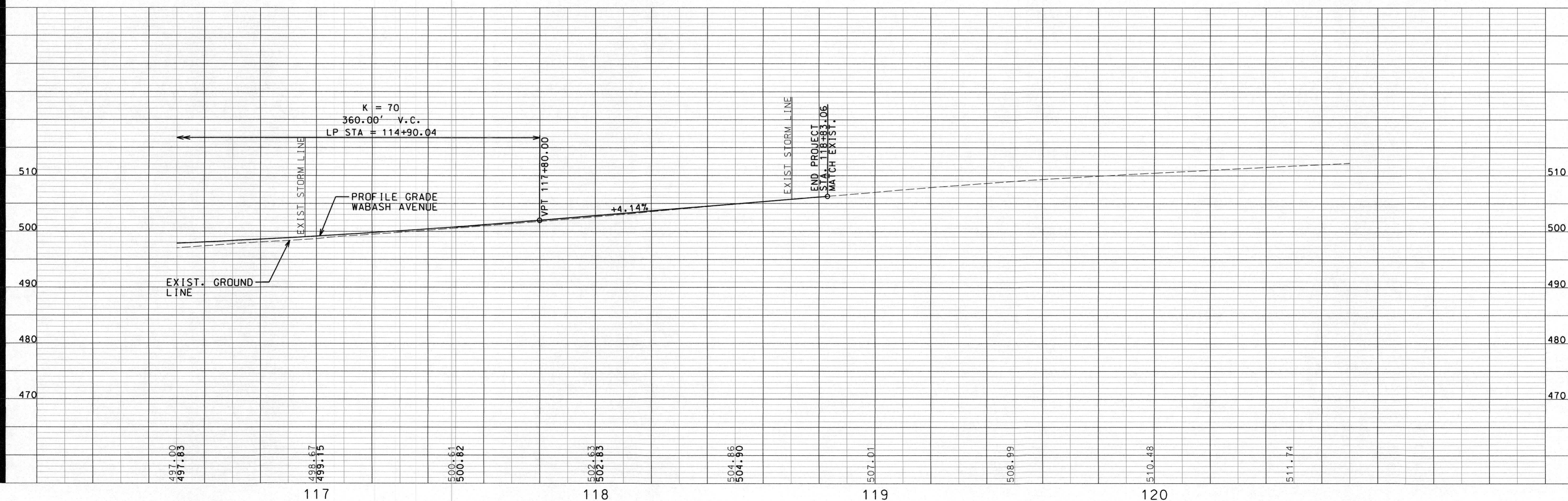
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KLO  
DRAWN:  
KLO  
REVIEWED

SHEET TITLE  
**PLAN  
& PROFILE**  
SHEET 5 OF 6

SHEET NUMBER  
8

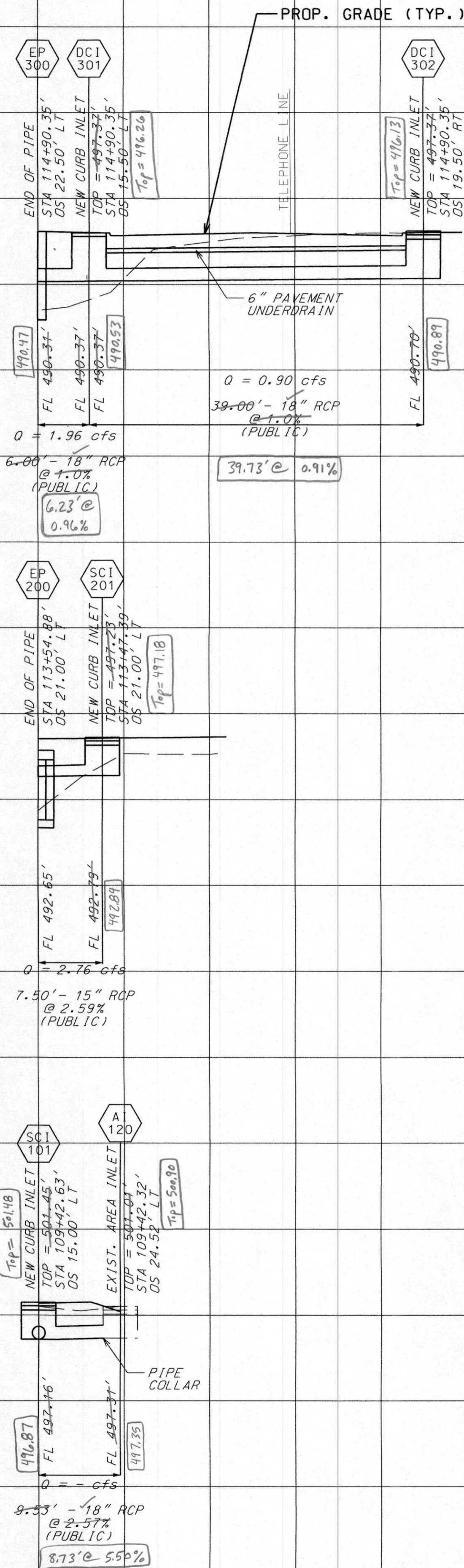
© GEORGE BUTLER ASSOCIATES, INC. 2008  
Architect 00212  
Professional Engineer 000133  
Landscape Architect 000025  
Professional Land Surveyor 000059

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 DRAWN BY: JESSE GRAMM





- NOTES:
1. ALL PIPES SHALL BE CLASS III UNLESS NOTED OTHERWISE.
  2. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEY AND RECORDS. THE CITY DOES NOT WARRANT THE LOCATIONS OF THESE FACILITIES AS PRECISE. 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 THE EXISTENCE AND PRECISE LOCATION OF ALL FACILITIES AND TO AVOID DAMAGE. SEE THE JOB SPECIAL PROVISIONS FOR A LIST OF UTILITY COMPANIES ON OR WITHIN THE VICINITY OF THE PROJECT LIMITS.
  3. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF UTILITIES PRIOR TO STORM SEWER CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY CONFLICTS.
  4. GRANULAR BACKFILL SHALL BE PLACED ACCORDING TO MSD STANDARD SPECIFICATIONS, AND SHALL BE CONSIDERED INCIDENTAL TO OTHER STORM SEWER BID ITEMS.
  5. STRUCTURES ARE CALLED OUT TO THE TOP CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED IN PLANS.
  6. CLASS III EXCAVATION FOR STORM SEWER CONSTRUCTION SHALL BE CONSIDERED INCIDENTAL TO STORM SEWER BID ITEMS.
  7. CONTRACTOR SHALL REFER TO THE STANDARD DETAILS PROVIDED IN THE STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWERS AND DRAINAGE FACILITIES (2009) FOR THE COMPLETE INSTALLATION OF STORM SEWER FACILITIES.



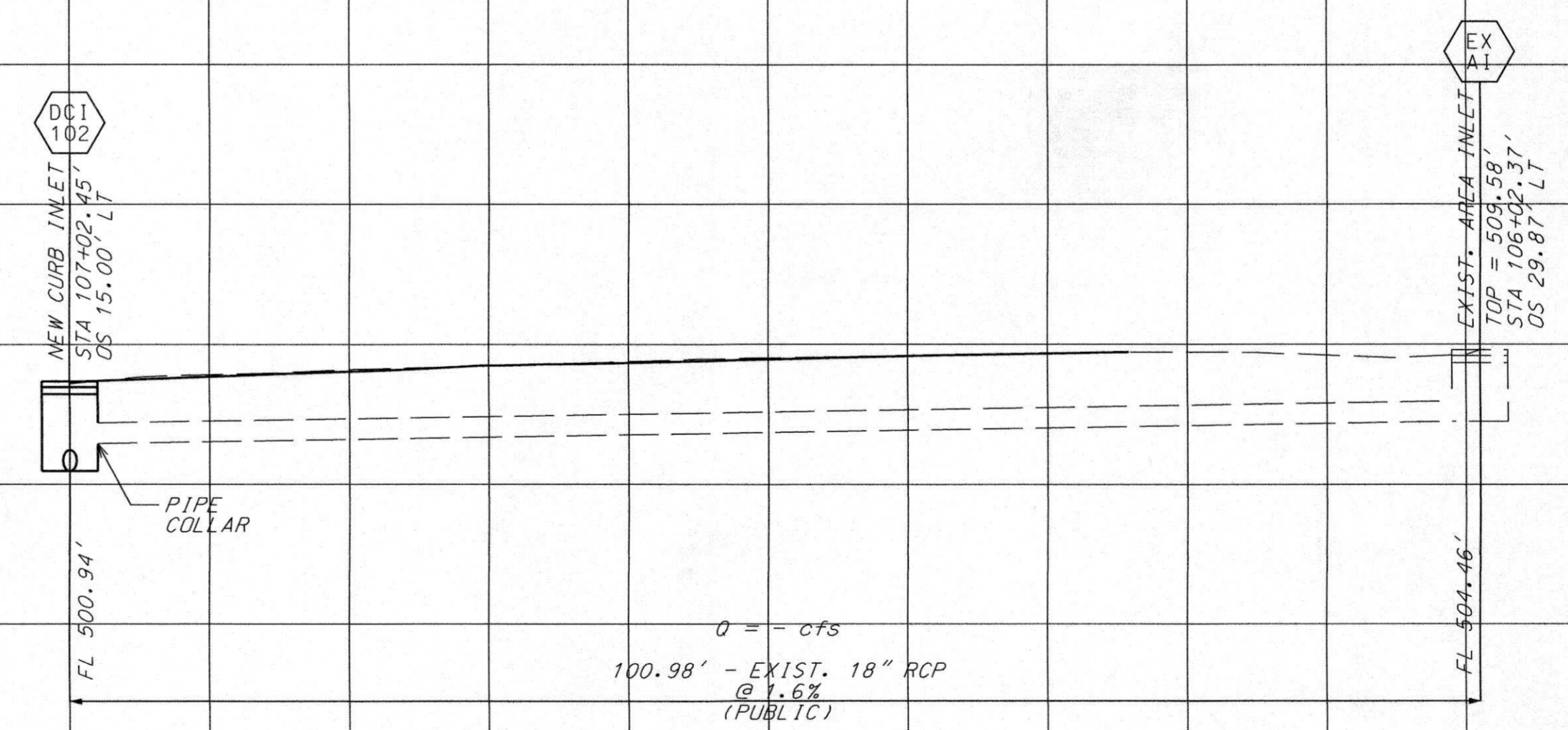
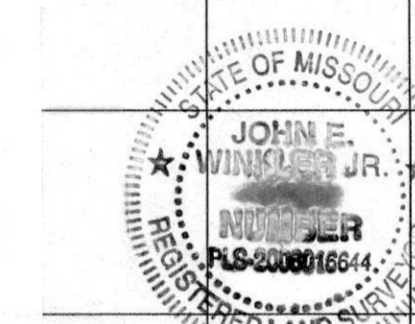
STORM AND SANITARY SEWER MEASUREMENTS  
THE EXISTING SEWER LENGTHS, SIZES, FLOWLINES, DEPTHS OF STRUCTURES AND SEWERS AND LOCATIONS WITH RESPECT TO EXISTING OR PROPOSED EASEMENTS HAVE BEEN MEASURED. THE RESULTS OF THOSE MEASUREMENTS ARE SHOWN ON THIS SET OF FINAL MEASUREMENT PLANS. SINCE THE WYE LOCATIONS 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:

58.24' 59.80' DENOTES AS-BUILT (TYP.)

**METRON**  
Surveying & Layout Co.  
313 Wood Street  
O'Fallon, MO, 63366  
Ph: 314-432-5400 Fx: 636-294-5851

*John E. Winkler Jr.*  
John E. Winkler Jr., PLS-2006018544  
Order No. 8677 Date: 1-29-2019



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REVISION

PROJECT NUMBER  
STP-7302(648)

GBA PROJECT NUMBER  
13244.00

DATE  
10/6/2017

DESIGNED:  
KLO

DRAWN:  
KLO

REVIEWED

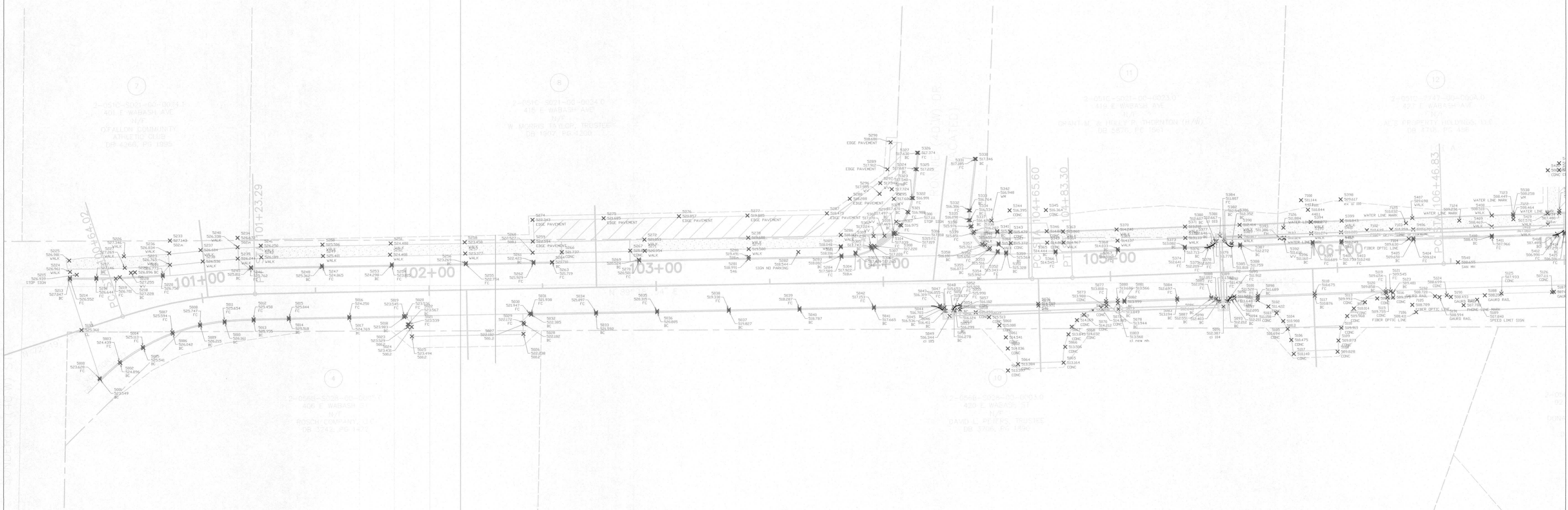
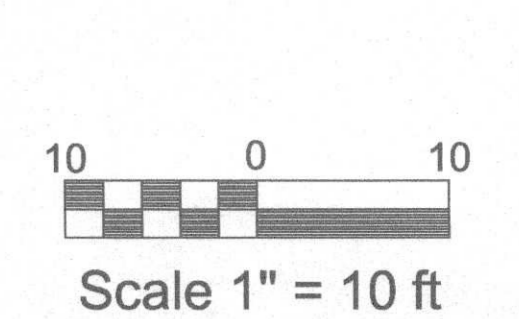
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SEWER PROFILE  
SHEET 2 OF 2**

SHEET NUMBER  
11



# AS-BUILT SURVEY

## WABASH AVENUE RECONSTRUCTION STP-7302 ( 648) ST. CHARLES COUNTY, MISSOURI



**LEGEND**

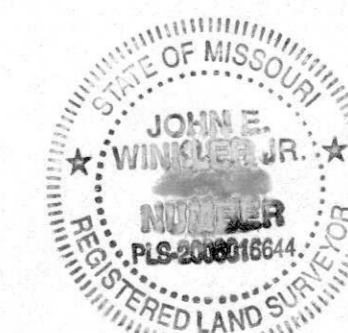
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BOLL	.	BOLLARD
CI	.	CURB INLET
CO	.	CLEANOUT
EM	.	ELECTRIC METER
FH	.	FIRE HYDRANT
IP	.	IRON PIPE
IR	.	IRON ROD
LS	.	LIGHT STANDARD
MH	.	MANHOLE
IR	.	REPORTED
SVY	.	SURVEY
////	.	CONCRETE
-----	.	EDGE OF ASPHALT PAVT.
XXXXXX	.	EXISTING FENCE

TO: CITY OF O'FALLON

THIS IS TO CERTIFY THAT WE HAVE DURING JANUARY, 2019 AT THE ORDER OF CITY OF O'FALLON EXECUTED AN AS-BUILT SURVEY ACCORDING TO THE CURRENT MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS AND MEETS THE ACCURACY STANDARDS FOR URBAN PROPERTY OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES, DIVISION OF GEOLOGY AND LAND SURVEY, AND THE MISSOURI BOARD OF REGISTRATION FOR ARCHITECTS, PROFESSIONAL ENGINEERS, PROFESSIONAL LAND SURVEYORS AND LANDSCAPE ARCHITECTS AND THAT THE RESULTS OF SAID SURVEY ARE CORRECTLY SHOWN HEREON.

**METRON** Surveying Co.  
313 WOOD STREET  
O'FALLON, MO. 63366  
314-432-5400 FAX: 636-294-5851

*John E. Winkler Jr.*  
JOHN E. WINKLER JR., PLS 2006016644



1-29-2019

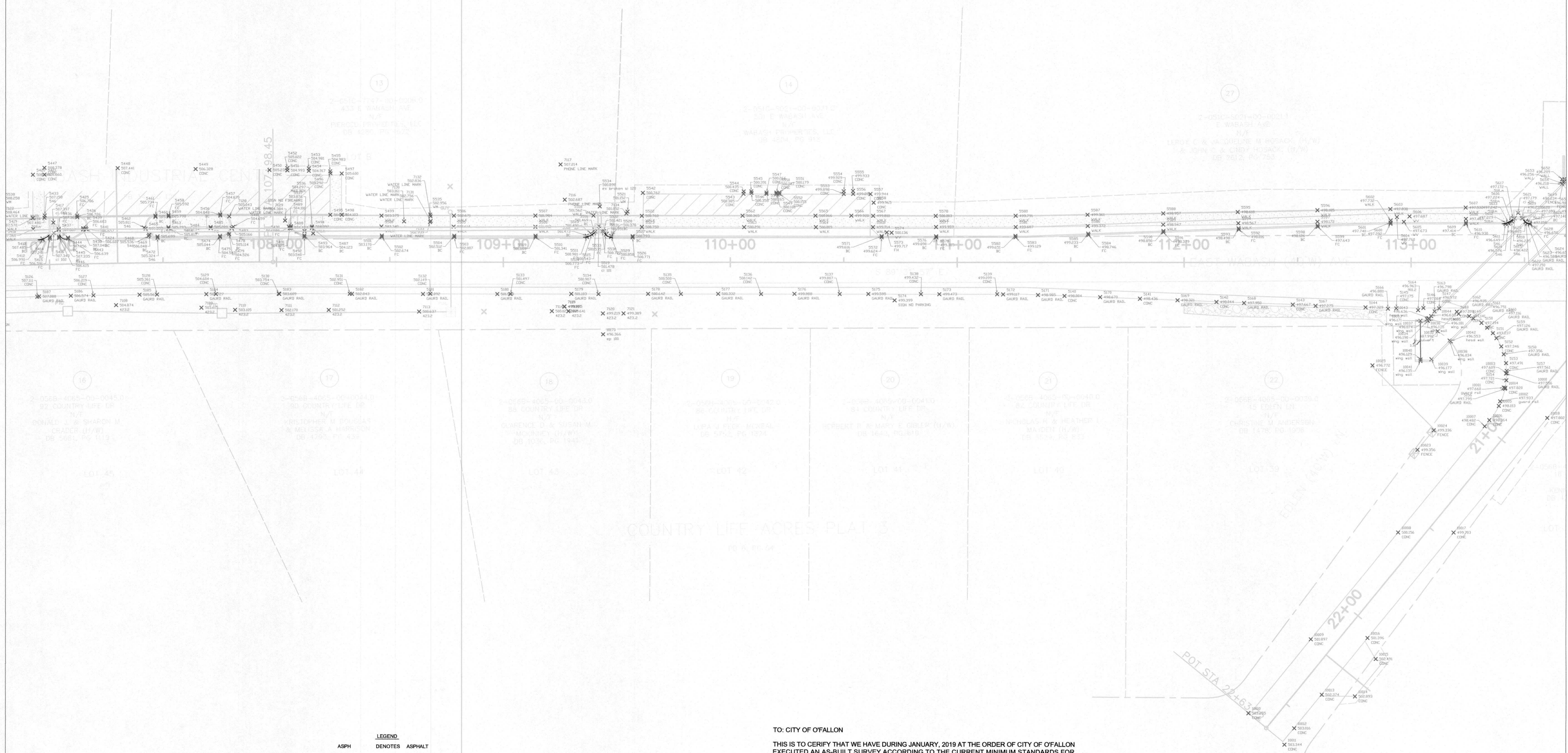
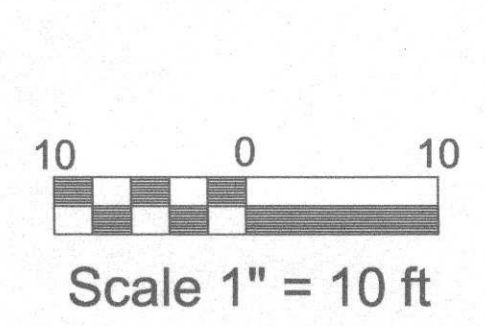
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For: CITY OF O'FALLON 100 NORTH MAIN STREET O'FALLON, MISSOURI 63366 TEL 636-240-2000					
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			ORDER NO. 8677		
			DATE 1-29-19		
			DRAWN JEW		
			CHECKED JAW		
<b>METRON</b> Surveying & Layout Co. 313 WOOD STREET O'FALLON, MO. 63366 314-432-5400 FAX: 636-294-5851				<b>1</b> OF <b>3</b>	

# AS-BUILT SURVEY

## WABASH AVENUE RECONSTRUCTION

### STP-7302 ( 648)

### ST. CHARLES COUNTY, MISSOURI



**LEGEND**

ASPH	DENOTES	ASPHALT
BOLL		BOLLARD
CI		CURB INLET
CO		CLEANOUT
EM		ELECTRIC METER
FH		FIRE HYDRANT
IP		IRON PIPE
IR		IRON ROD
LS		LIGHT STANDARD
MH		MANHOLE
(R)		REPORTED
SVY		SURVEY
		CONCRETE
		EDGE OF ASPHALT PAVT.
		EXISTING FENCE

TO: CITY OF O'FALLON

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 O'FALLON, MO. 63366  
 314-432-5400 FAX: 636-294-5851

*John E. Winkler*  
 JOHN E. WINKLER JR., PLS 2006016644

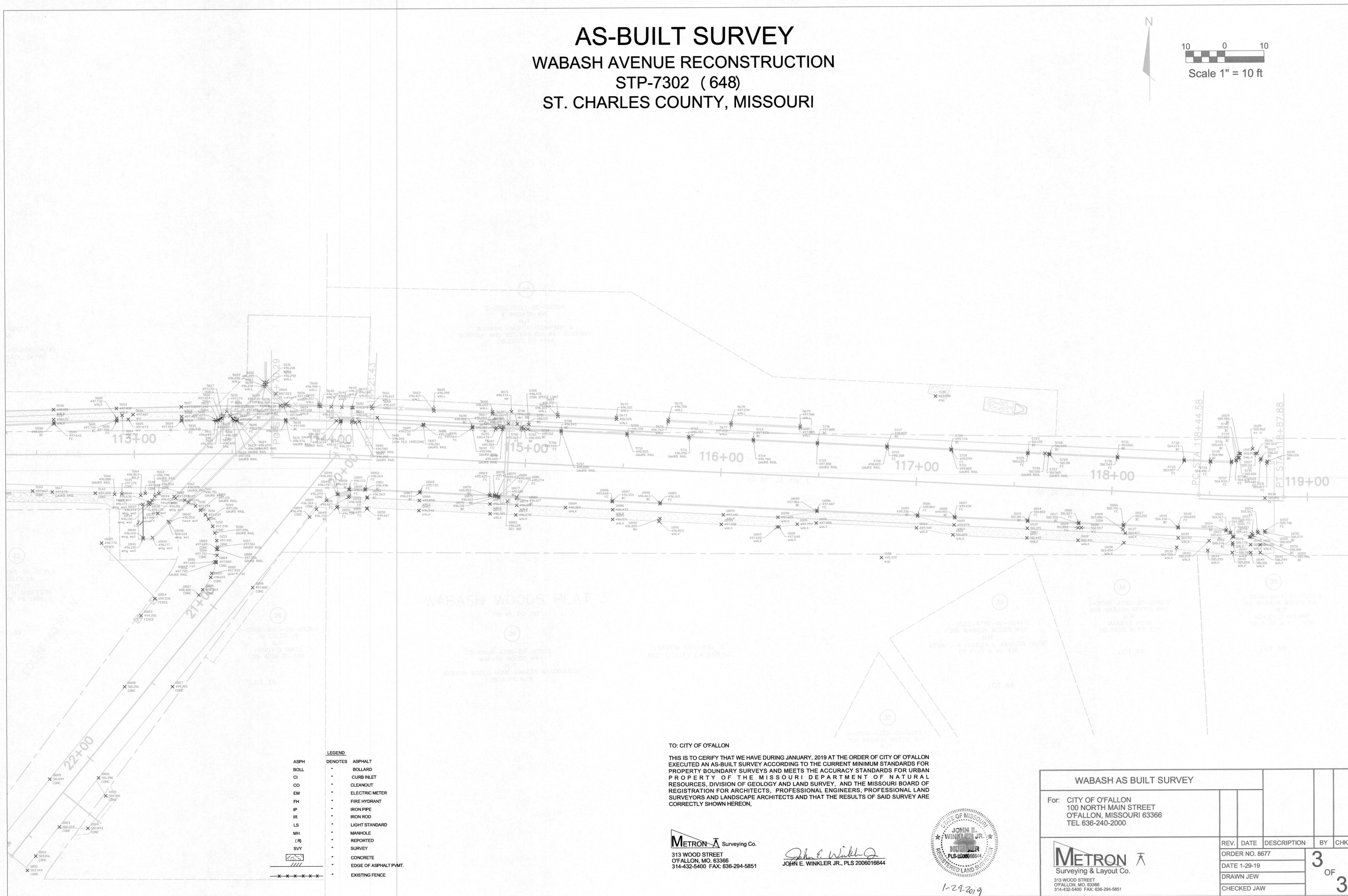
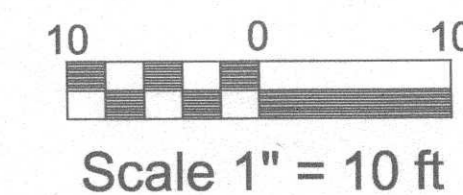


1-29-2019

WABASH AS BUILT SURVEY					
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<b>METRON</b> Surveying & Layout Co. 313 WOOD STREET O'FALLON, MO. 63366 314-432-5400 FAX: 636-294-5851				<b>2</b> OF <b>3</b>	<b>3</b>

# AS-BUILT SURVEY

## WABASH AVENUE RECONSTRUCTION STP-7302 ( 648) ST. CHARLES COUNTY, MISSOURI



**LEGEND**

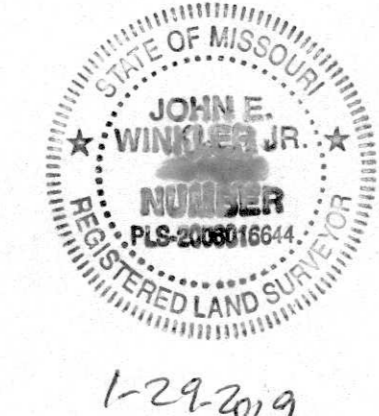
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BOLL	-	BOLLARD
CI	-	CURB INLET
CO	-	CLEANOUT
EM	-	ELECTRIC METER
FH	-	FIRE HYDRANT
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IR	-	IRON ROD
LS	-	LIGHT STANDARD
MH	-	MANHOLE
(R)	-	REPORTED
SVY	-	SURVEY
CONC	-	CONCRETE
	-	EDGE OF ASPHALT PAVT.
XXXXXX	-	EXISTING FENCE

TO: CITY OF OFALLON

THIS IS TO CERTIFY THAT WE HAVE DURING JANUARY, 2019 AT THE ORDER OF CITY OF OFALLON EXECUTED AN AS-BUILT SURVEY ACCORDING TO THE CURRENT MINIMUM STANDARDS FOR PROPERTY BOUNDARY SURVEYS AND MEETS THE ACCURACY STANDARDS FOR URBAN PROPERTY OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES, DIVISION OF GEOLOGY AND LAND SURVEY, AND THE MISSOURI BOARD OF REGISTRATION FOR ARCHITECTS, PROFESSIONAL ENGINEERS, PROFESSIONAL LAND SURVEYORS AND LANDSCAPE ARCHITECTS AND THAT THE RESULTS OF SAID SURVEY ARE CORRECTLY SHOWN HEREON.

**METRON** Surveying Co.  
313 WOOD STREET  
OFALLON, MO. 63366  
314-432-5400 FAX: 636-294-5851

*John E. Winkler Jr.*  
JOHN E. WINKLER JR., PLS 2006016644



WABASH AS BUILT SURVEY			
For:	CITY OF OFALLON 100 NORTH MAIN STREET OFALLON, MISSOURI 63366 TEL 636-240-2000		
REV.	DATE	DESCRIPTION	BY
	1-29-19	ORDER NO. 8677	3
		DATE 1-29-19	OF
		DRAWN JEW	3
		CHECKED JAW	

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313 WOOD STREET  
OFALLON, MO. 63366  
314-432-5400 FAX: 636-294-5851