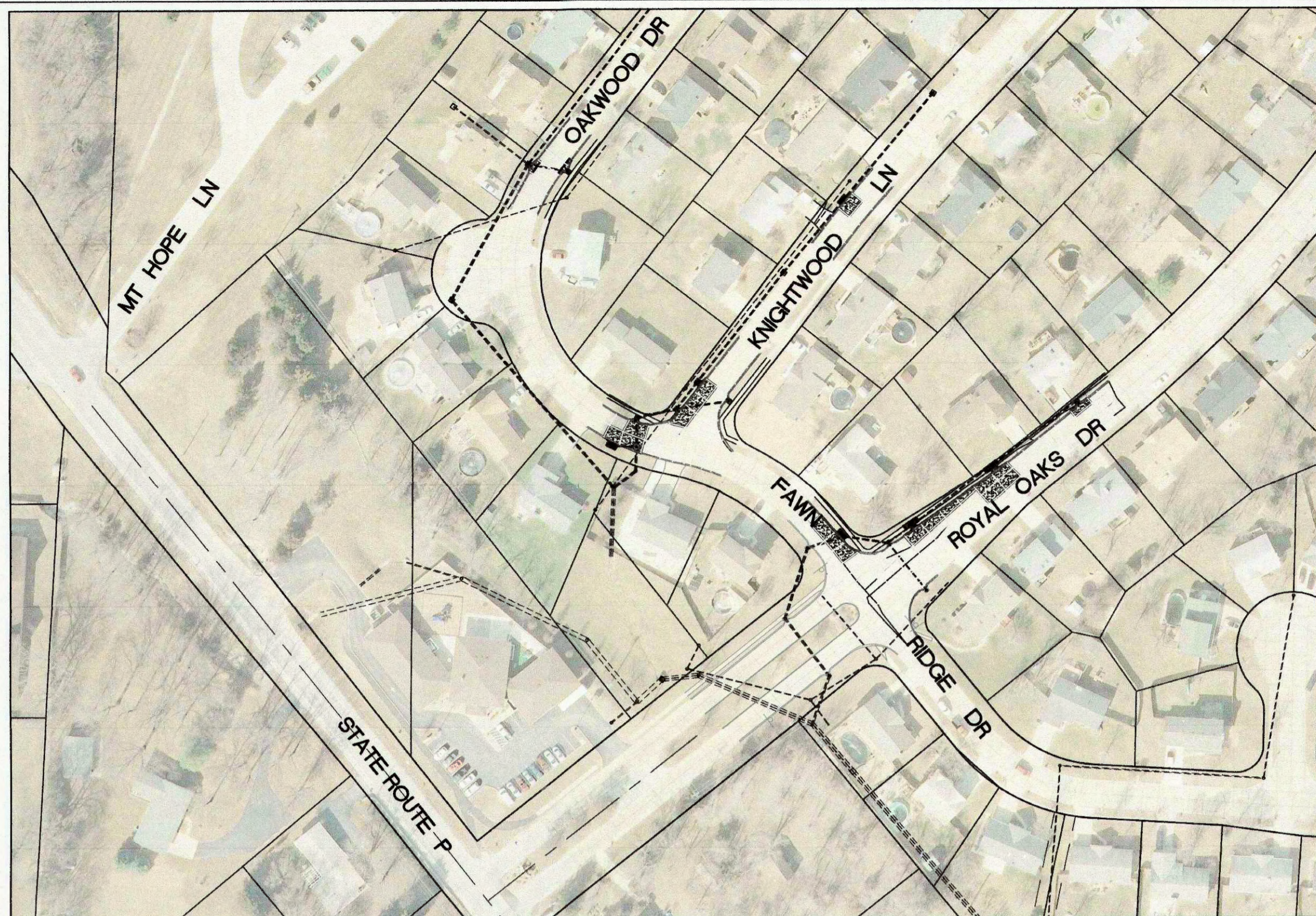
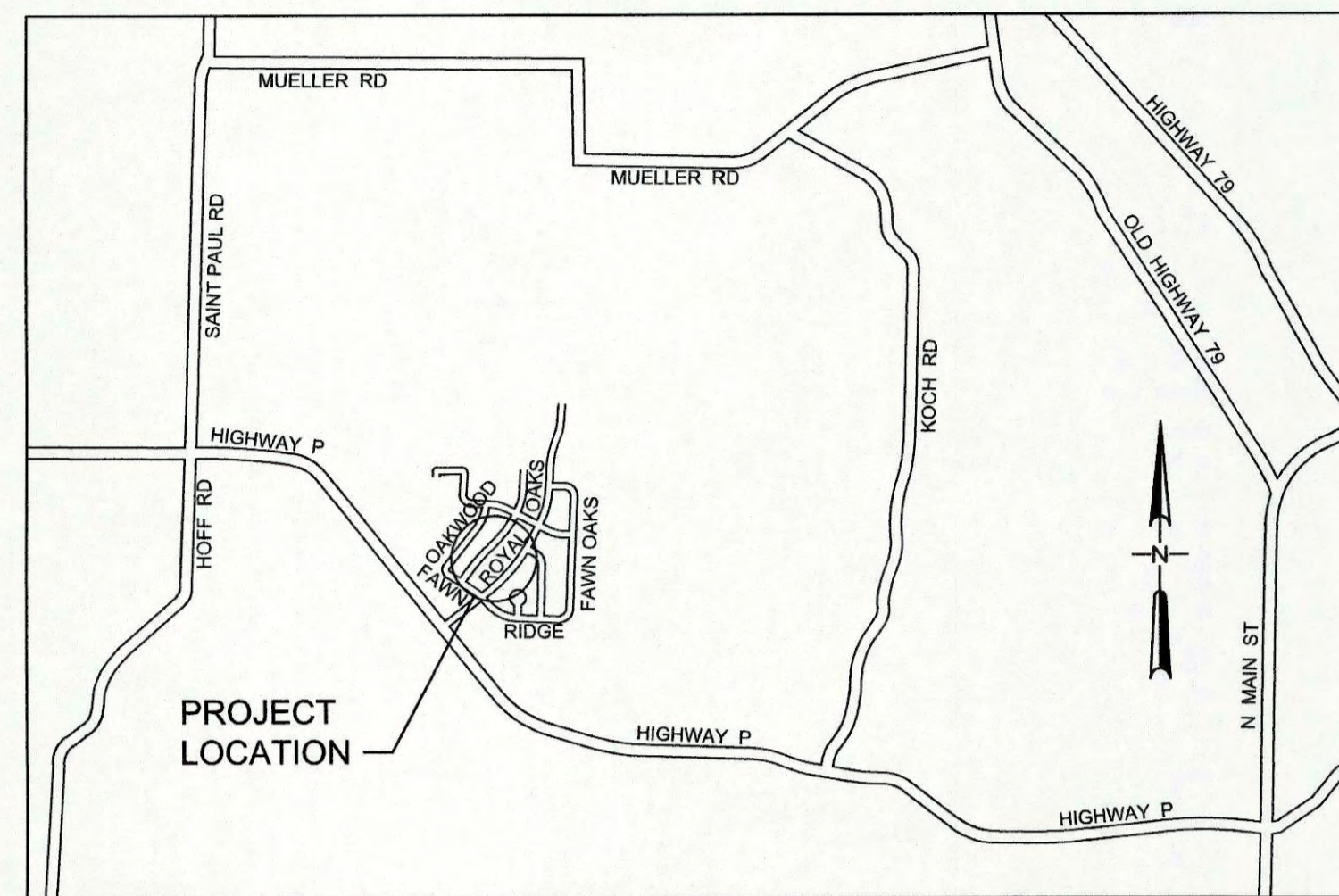


# A SET OF CONSTRUCTION PLANS FOR ROYAL OAKS STORM SEWER IMPROVEMENTS



PLAN VIEW



LOCATOR MAP

**INDEX OF SHEETS**

| SHEET NO. | DESCRIPTION                                           |
|-----------|-------------------------------------------------------|
| G0-01     | TITLE SHEET                                           |
| G0-02     | AERIAL MAP OF PROPOSED WORK AREAS                     |
| C1-01     | SITE PLAN                                             |
| C1-02     | GRADING, AREA DETAIL PLAN                             |
| C4-01     | CITY OF OFFALLON STORM SEWER DETAILS                  |
| C4-02     | CITY OF OFFALLON PAVEMENT AND EROSION CONTROL DETAILS |
| C4-03     | CITY OF OFFALLON GENERAL NOTES                        |
| C5-01     | DRAINAGE AREA MAP - EXISTING                          |
| C5-02     | DRAINAGE AREA MAP - PROPOSED                          |

**BENCHMARK CONTROL**

MISSOURI STATE PLANE COORDINATE SYSTEM - EAST ZONE  
(CONVERTED FROM METERS TO FEET)  
HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83)  
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

-POINT ID: KDG-1 (REBAR W/ CAP)  
-NORTH: 1093851.444  
-EAST: 754000.136

BENCHMARK INFORMATION:  
KDG-1 - ELEVATION: 535.07

-POINT ID: KDG-2 (REBAR W/ CAP)  
-NORTH: 1094091.692  
-EAST: 753868.472

BENCHMARK INFORMATION:  
KDG-2 - ELEVATION: 546.14

**LEGEND**

| DESCRIPTION                         | EXISTING | NEW    |
|-------------------------------------|----------|--------|
| RIGHT-OF-WAY                        |          |        |
| SPOT ELEVATION                      | 532.34   | 535.15 |
| PROPERTY LINE                       | G        |        |
| GAS MAIN                            | w        |        |
| WATER MAIN                          |          |        |
| UTILITY POLE (TYPE SPECIFIED)       | PP       |        |
| GUY WIRE                            |          |        |
| UTILITY METER (TYPE SPECIFIED)      | WM GM    |        |
| UTILITY VALVE (TYPE SPECIFIED)      | WV GV    |        |
| FIRE HYDRANT                        |          |        |
| UTILITY MANHOLE (TYPE SPECIFIED)    | E T      |        |
| UTILITY ACCESS BOX (TYPE SPECIFIED) | IB ITY   |        |
| SANITARY SEWER MANHOLE              | S        |        |
| CHAIN LINK FENCE                    |          |        |
| BUSH (SIZE SPECIFIED)               | B        |        |
| STREET SIGN                         |          |        |
| STREET OR AREA INLET                |          |        |
| STORM SEWER DESIGNATION             | A        | 1      |
| AREA OF DISTURBANCE                 |          |        |
| CONCRETE PAVEMENT REPLACEMENT       |          |        |

**ABBREVIATIONS**

|                          |     |
|--------------------------|-----|
| EXISTING                 | EX  |
| INVERT                   | INV |
| PIPE/STRUCTURE FLOW LINE | FL  |
| TOP OF STRUCTURE         | T   |
| SINGLE CURB INLET        | SCI |
| DOUBLE CURB INLET        | DCI |
| AREA INLET               | AI  |
| MANHOLE                  | MH  |
| STORM                    | STM |
| SANITARY                 | SAN |
| MEET ADJACENT GRADE      | MG  |

**Utility Contacts**

**Sanitary Sewers**  
City of O'Fallon  
100 N. Main St.  
O'Fallon, MO. 63366  
Contact: 636-281-2858

~~Dixie Creek Sanitary District  
3550 Highway  
O'Fallon, MO. 63366  
636-441-1244~~

**Water**

City of O'Fallon  
100 N. Main St.  
O'Fallon, MO. 63366  
Contact: 636-281-2858

~~Missouri American Water Co.  
727 Craig Rd.  
St. Louis, MO. 63141  
636-430-0820~~

~~Public Water Supply District No. 2  
P.O. Box 107  
O'Fallon, MO. 63366  
636-561-3737 Ext. 131~~

**Storm Sewer**

City of O'Fallon  
100 N. Main St.  
O'Fallon, MO. 63366  
636-281-2858

**Electric**

~~Clear River Electric Co.  
P.O. Box 180  
Troy, MO. 63379-0180  
1-800-392-3709~~

Ameren UE  
200 Callahan Road  
Wentzville, MO. 63385  
636-639-8312

**Gas**

Laclede Gas Company  
6400 Graham Road  
St. Louis, MO. 63134  
314-522-2297

**Telephone**

Century Tel  
1151 Century Tel Dr.  
Wentzville, MO. 63385  
636-332-7261

**Fire District**

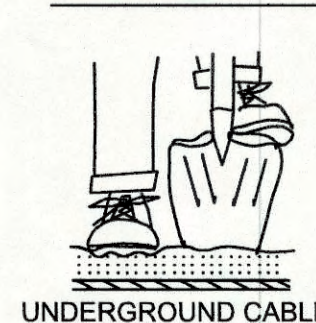
O'Fallon Fire Protection District  
119 E. Elm St.  
O'Fallon, MO. 63366  
636-272-3493

~~Wentzville Fire District  
209 West 1st Blvd.  
Wentzville, MO. 63385~~

~~St. Charles Fire Protection District  
1385 Monticello Rd.  
St. Charles, MO. 63304  
636-447-6655~~

CITY OF OFFALLON  
COMMUNITY DEVELOPMENT DEPARTMENT  
ACCEPTED FOR CONSTRUCTION  
BY: *Jeanne Skoville* DATE: 12/18/2017  
PROFESSIONAL ENGINEER'S SEAL  
INDICATES RESPONSIBILITY FOR DESIGN

**HOLD IT ! CALL BEFORE YOU DIG !**



CONTRACTOR TO CONTACT UTILITIES PRIOR TO ANY EXCAVATION OR DEMOLITION FOR THE LOCATION OF ANY PIPES, CABLES, LINES OR MAINS. THE CONTRACTOR SHALL ALSO COORDINATE ANY DISCONNECTION REQUIRED WITH THE VARIOUS UTILITY COMPANIES AND/OR GOVERNMENTAL AGENCIES SERVING THE SITE.  
TOLL FREE 800-344-7483  
800-DIG-RITE

\* City of O'Fallon Construction work hours per City Ordinance 3429 as shown in Section 500.420 of the Municipal Code of the City of O'Fallon are as follows:

October 1 through May 31  
7:00 A.M. To 7:00 P.M. Monday Through Sunday  
June 1 Through September 30  
6:00 A.M. To 8:00 P.M. Monday Through Friday  
7:00 A.M. to 8:00 P.M. Saturday and Sunday

\* The area of this phase of development is N/A  
The area of land disturbance is 0.14 ACRES  
Number of proposed lots is N/A  
Building setback information:

Front N/A  
Side N/A  
Rear N/A

\* The estimated sanitary flow in gallons per day is N/A  
\* Parking calculations N/A  
\* Tree preservation calculations N/A

**STORM SEWER MEASUREMENTS**

THE EXISTING SEWER LENGTHS, SIZES, FLOWLINES AND 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 RECORD DRAWINGS.

ALL PUBLIC SEWERS ARE LOCATED WITHIN DESIGNATED EXISTING OR PROPOSED EASEMENTS UNLESS OTHERWISE NOTED.



*Christine M. Beasley* 11-21-17  
CHRISTINE M. BEASLEY, PLS  
MO. LICENSE NO. 2002014096  
EXPIRATION: 12/31/2018  
DATE

INFORMATION ON PARCELS AND TOPOGRAPHICAL CONTOUR DATA PROVIDED BY ST. CHARLES COUNTY GIS. FURTHER INFORMATION IS AVAILABLE BY CONTACTING:  
THE DEPARTMENT OF INFORMATION SYSTEMS  
201 N. SECOND STREET  
ST. CHARLES MO 63301  
TEL 636-949-7480  
FAX 636-949-7483

ROYAL OAKS  
STORM SEWER  
IMPROVEMENTS

PRIMARY CONTACT  
APRIL M. GIESMANN, P.E.  
PHONE: 314.434.8898  
EMAIL: AMG2@KDGINC.COM

**KdG**  
Kuhlmann design Group, Inc.  
66 Progress Parkway  
St. Louis, Missouri 63043-3706  
Tel: 314.434.8898 Fax: 314.434.8280  
St. Louis, MO • Belleville, IL

kdc JOB #: 160031-0001



APRIL M. GIESMANN, P.E.  
(E-2001004592)  
MISSOURI ARCHITECTURAL  
CORPORATION CERTIFICATE LIC. NO.: 000216  
MISSOURI PROFESSIONAL ENGINEERING  
CORPORATION CERTIFICATE LIC. NO.: 000255  
MISSOURI PROFESSIONAL LAND SURVEY  
CORPORATION CERTIFICATE LIC. NO.: 000078

CITY OF OFFALLON  
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OFFALLON, MO 63366  
PH. (636) 379-5590  
E-MAIL: CCLERCX@OFFALLON.MO.US



PREPARED FOR:

City No.

Page No.

G0-01

AS-BUILTS

TITLE SHEET

FORT ZUMWALT  
SCHOOL DISTRICT

ROYAL OAKS  
SUBDIVISION

**GENERAL NOTES:**

1. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO GRADING OR CONSTRUCTION OF IMPROVEMENTS.
2. ALL INSTALLATIONS AND CONSTRUCTION SHALL CONFORM TO THE APPROVED ENGINEERING DRAWINGS. HOWEVER, IF THE OWNER CHOOSES TO MAKE MINOR MODIFICATIONS IN DESIGN AND/OR SPECIFICATIONS DURING CONSTRUCTION, HE/SHE SHALL MAKE SUCH CHANGES AT HIS/HER OWN RISK.
3. ALL IMPROVEMENTS, INCLUDING STORM SEWER STRUCTURES AND PAVEMENT, SHALL BE IN ACCORDANCE CITY OF O'FALLON STANDARDS AND ORDINANCES. SEE NOTES AND DETAILS ON SHEETS C4-01 TO C4-03 PROVIDED BY THE CITY OF O'FALLON.
4. CONTRACTOR SHALL FOLLOW MSD SPECIFICATIONS FOR CONNECTIONS TO THE EXISTING SYSTEM. STRUCTURE ELEVATIONS SHOWN ARE BASED ON AVAILABLE DATA AND FIELD SURVEY. PIPES MAY DEVIATE FROM THE CENTER OF THE STRUCTURE. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY FOR MODIFICATIONS TO STANDARD STREET INLET SUMP DETAIL.
5. THE CONTRACTOR SHALL PROVIDE ANY CONSTRUCTION SIGNAGE, BARRIERS AND TRAFFIC CONTROL DEVICES REQUIRED FOR ANY WORK PROPOSED WITHIN THE RIGHT OF WAY, INCLUDING SIDEWALKS.
6. ALL TRASH AND DEBRIS ON-SITE, EITHER EXISTING OR FROM CONSTRUCTION, MUST BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE. TREES, ORGANIC DEBRIS, RUBBLE, FOUNDATIONS AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.
7. CONTRACTOR SHALL MAINTAIN ALL SILTATION CONTROL MEASURES AND SHALL ENSURE THAT ALL PUBLIC ROADS ARE FREE FROM DUST, MUD AND/OR DEBRIS THAT MAY BE PRODUCED AS A DIRECT RESULT OF CONSTRUCTION OPERATIONS ON THIS PROJECT.
8. TEMPORARY SILTATION CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATIVE COVER IS ESTABLISHED AT A SUFFICIENT DENSITY TO PROVIDE EROSION CONTROL ON THE SITE.
9. SILTATION CONTROL SHALL BE PROVIDED AROUND ALL OPEN SEWER INLETS AND SHALL REMAIN UNTIL THE DISTURBED DRAINAGE AREAS HAVE BEEN PROPERLY STABILIZED.
10. ALL DISTURBED AREAS SHALL BE SODDED.
11. PROVIDE GUTTER SUMP FOR INLETS PER CITY DETAIL ON SHEET C4-01. ANY FIELD MODIFICATION TO THE SUMP SHALL BE APPROVED BY THE CITY.
12. ALL PAVEMENT AND SIDEWALK REMOVAL AND REPLACEMENT SHALL EXTEND TO NEAREST JOINT.
13. CONTRACTOR SHALL PROVIDE AN IDENTIFICATION STAMP ACCORDING TO JOB SPECIAL PROVISIONS SECTION P FOR CONCRETE PAVEMENT.
14. ALL PAVEMENT JOINTS SHALL BE SEALED PER JOB SPECIAL PROVISIONS SECTION P FOR CONCRETE PAVEMENT.
15. MANHOLE COVERS FOR THE CITY'S STORM SEWER SHALL COMPLY WITH JOB SPECIAL PROVISIONS SECTION G FOR STORM SEWER CONSTRUCTION REQUIREMENTS.

ROYAL OAKS  
STORM SEWER  
IMPROVEMENTS

PRIMARY CONTACT:  
APRIL M. GIESMANN, P.E.  
EMAIL: AMG2@KDCINC.COM

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Tel: 314.434.8898 Fax: 314.434.8280  
St. Louis, MO • Belleville, IL

kdc JOB #: 160031-0001



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MISSOURI PROFESSIONAL LAND SURVEY  
CORPORATION CERTIFICATE LIC. NO.: 000078

CITY OF O'FALLON  
100 NORTH MAIN STREET  
O'FALLON, MO 63366  
PH: (636) 379-5590  
E-MAIL: CCLERCX@O'FALLON.MO.US

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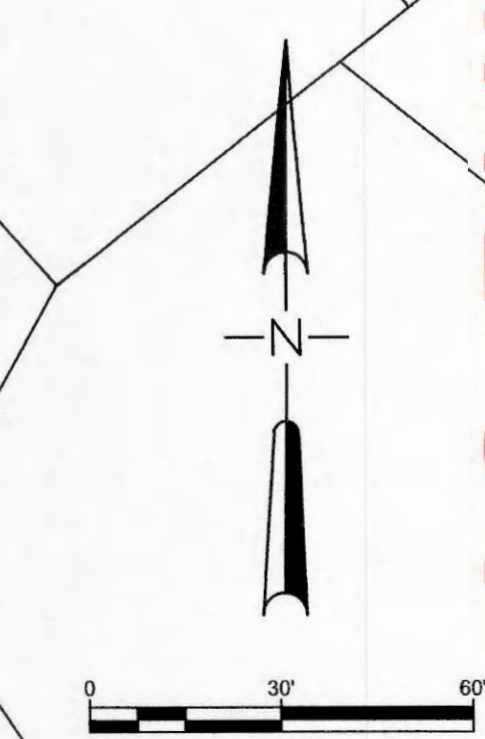
City No.

Page No.

C1-01

SITE PLAN

AS-BUILTS



**STORM SEWER MEASUREMENTS**

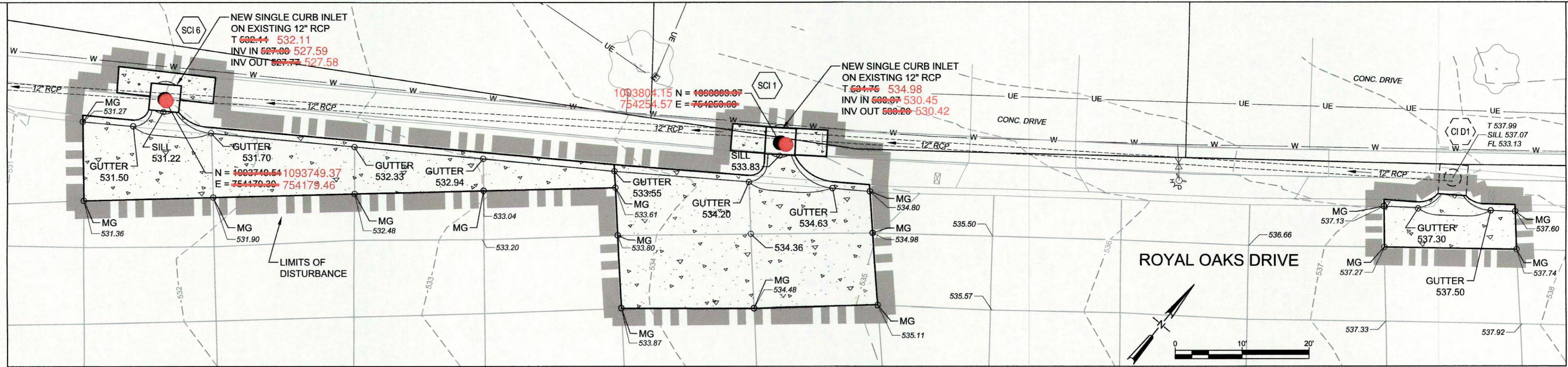
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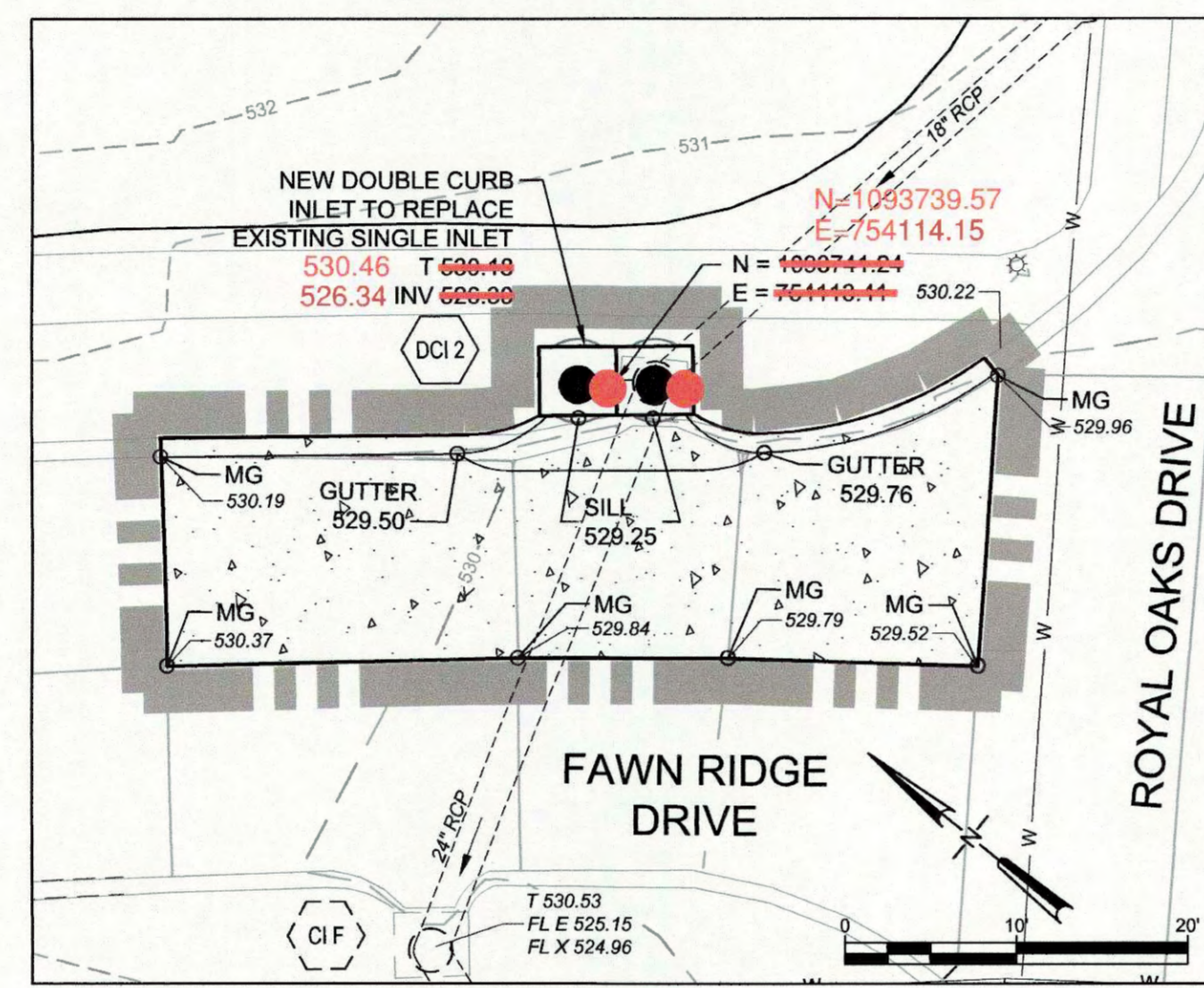
*Christine M. Beasley* 11-21-17  
DATE  
CHRISTINE M. BEASLEY, PLS  
MO. LICENSE NO. 2002014096  
EXPIRATION: 12/31/2018



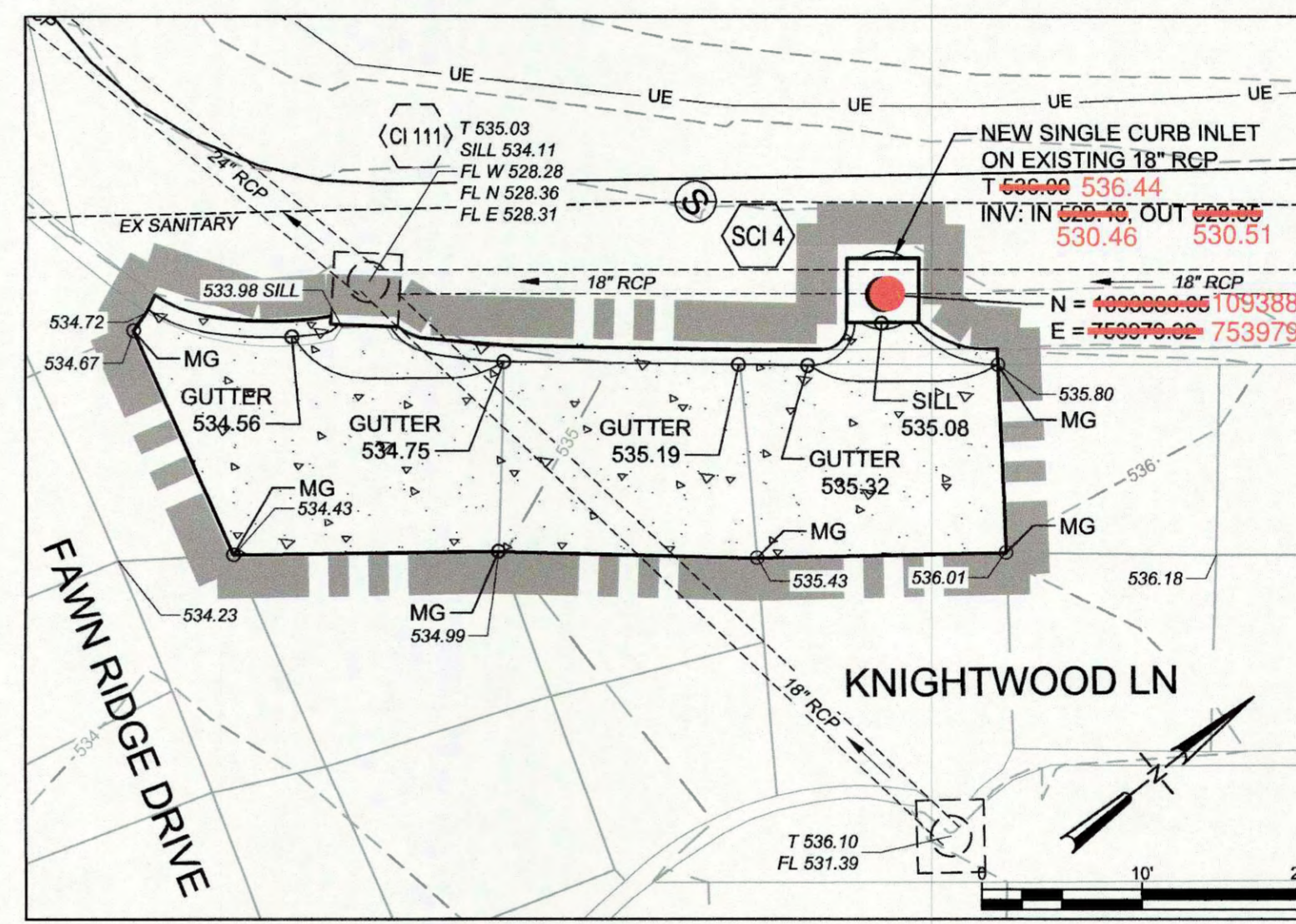
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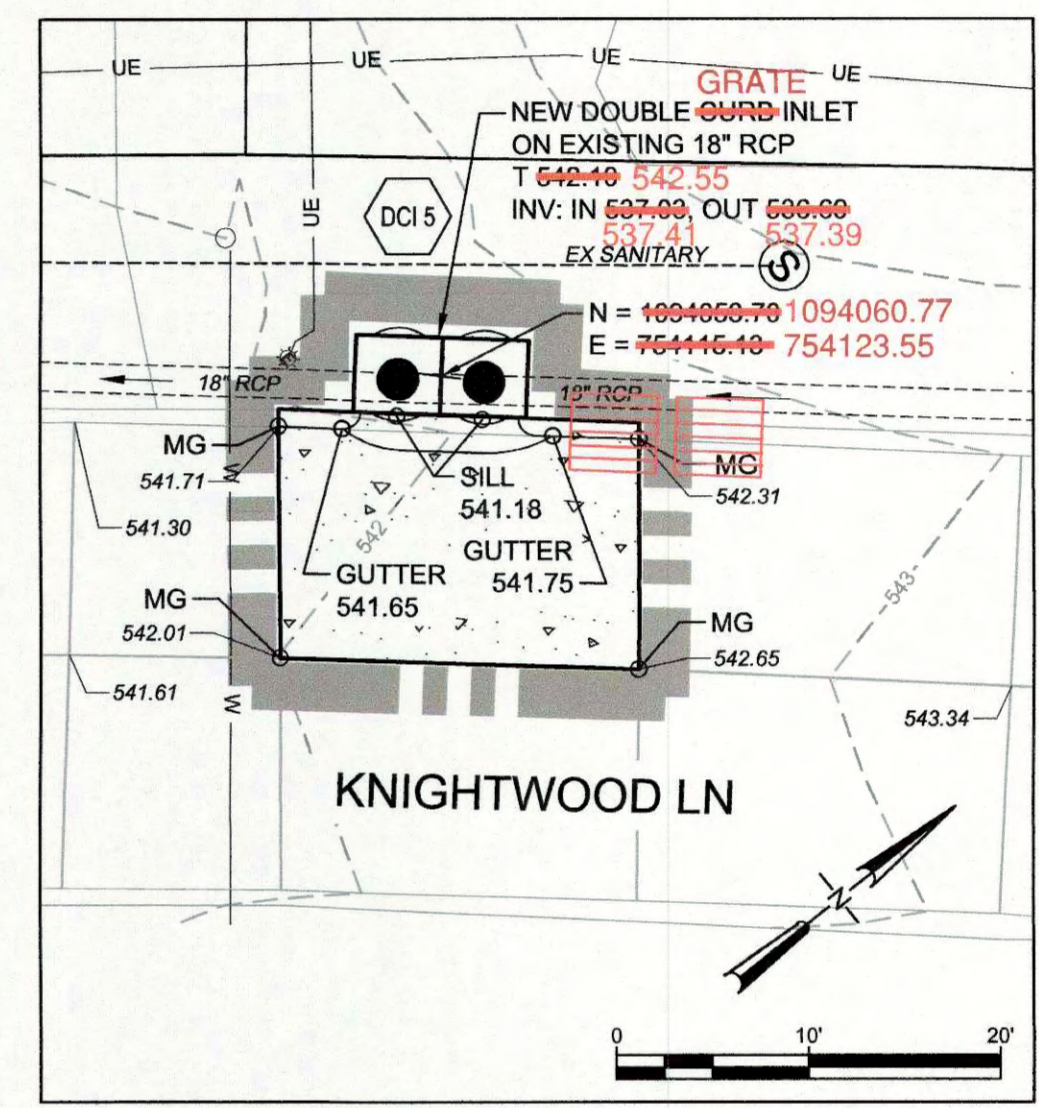
PLAN • SCI 6 - SCI 1 - CID 1



PLAN • DCI 2 - CI F



PLAN • SCI 4 - CI 111



PLAN • DCI 5

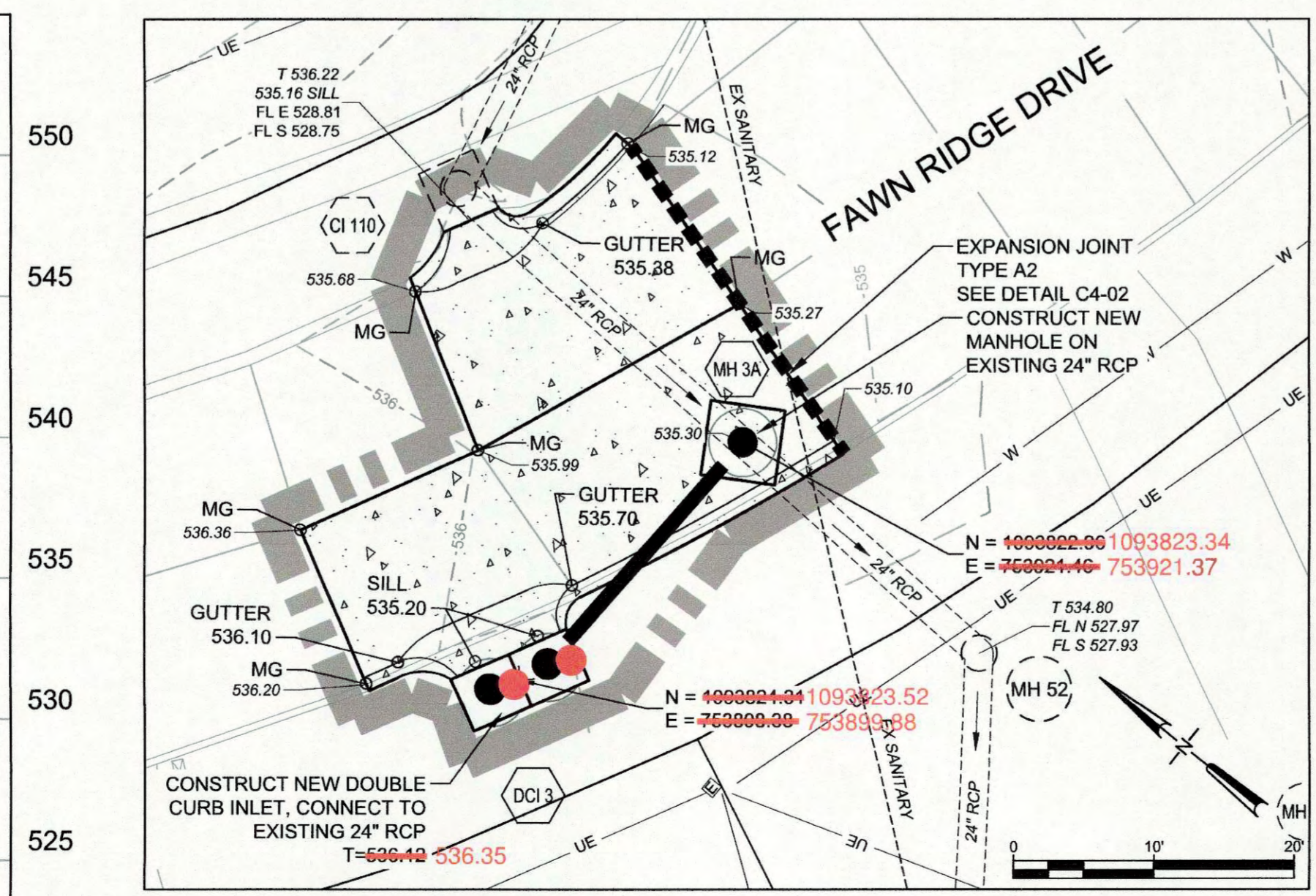
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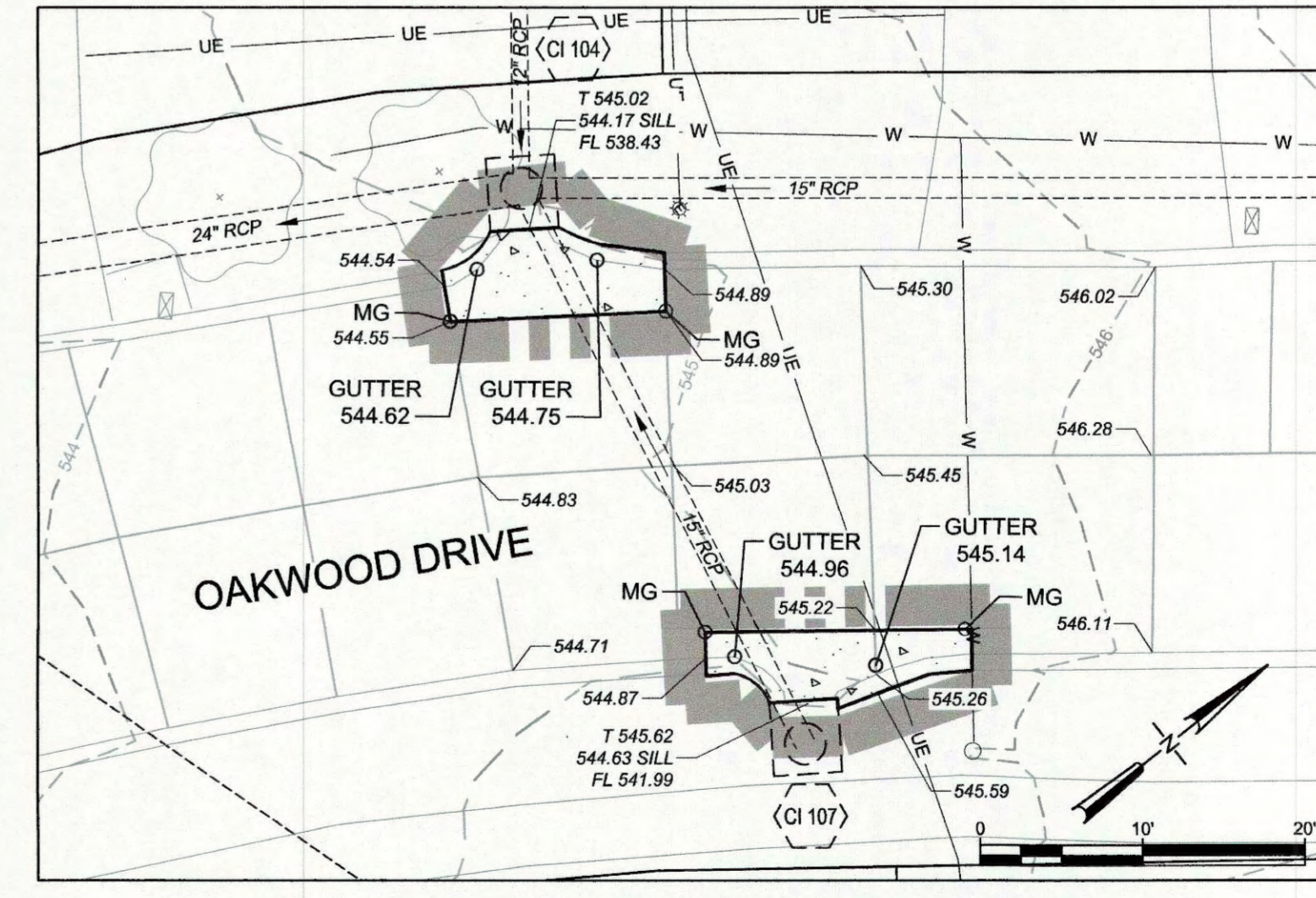
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*Christine M. Beasley*  
 CHRISTINE M. BEASLEY, PLS  
 MO. LICENSE NO. 200214096  
 EXPIRATION: 12/31/2018

DATE: 11-21-17

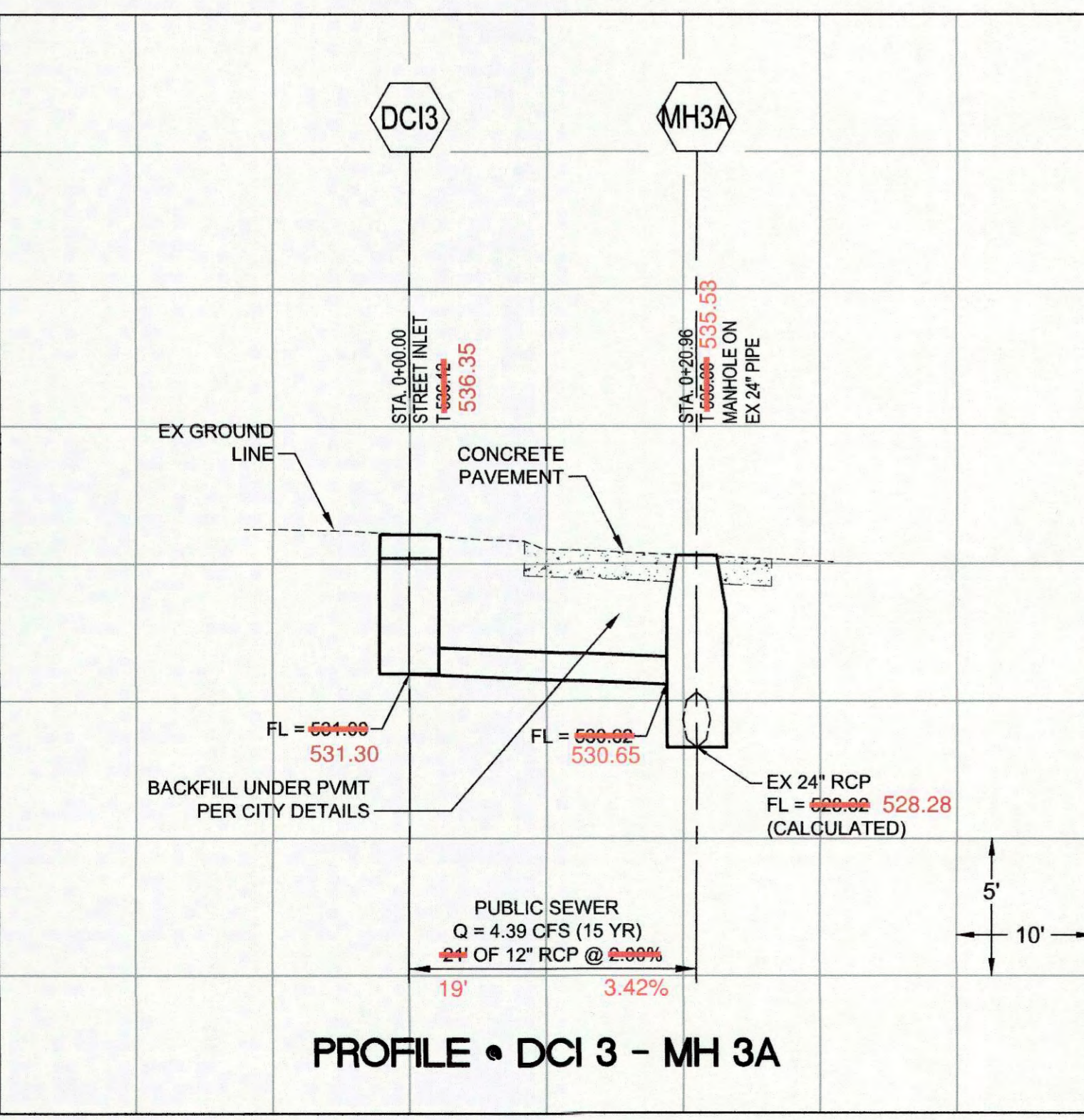


PLAN • DCI 3 - MH 3A



PLAN • CI 104 - CI 107

- NOTES:
- CONTRACTOR SHALL VERIFY ALL TOP AND INVERT ELEVATIONS AT NEW INLETS ON EXISTING PIPE. ELEVATIONS SHOWN ARE CALCULATED.
  - CONCRETE SLAB REPLACEMENT SHALL BE PER CITY DETAILS OF TEMPORARY OPENINGS IN ROADWAY PAVEMENT ON SHEET C4-02. PROVIDE MINIMUM 2% CROSS SLOPE ON PAVEMENT.
  - ALL INLETS IN SIDEWALK PATH SHALL BE FLUSH WITH NEW SIDEWALK TO PROVIDE AN ADA ACCESSIBLE ROUTE.



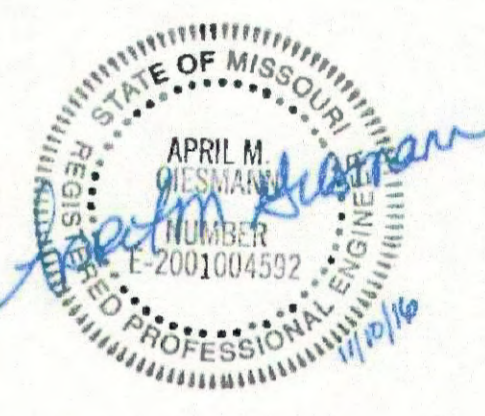
PROFILE • DCI 3 - MH 3A

**ROYAL OAKS  
STORM SEWER  
IMPROVEMENTS**

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PRIMARY CONTACT:  
 APRIL M. GIESMANN, P.E.  
 PHONE: 314.434.8280  
 EMAIL: AMG@KDGINC.COM

kdg JOB #: 160031-0001



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 MISSOURI ARCHITECTURAL  
 CORPORATION CERTIFICATE LIC. NO. 000216  
 MISSOURI PROFESSIONAL ENGINEERING  
 CORPORATION CERTIFICATE LIC. NO. 000255  
 MISSOURI PROFESSIONAL LAND SURVEY  
 CORPORATION CERTIFICATE LIC. NO. 000078

PREPARED FOR:  
**CITY OF FALLON**  
 100 NORTH MAIN STREET  
 OF FALLON, MO 63366  
 PH. (636) 379-5590  
 E-MAIL: CCLERCX@OFFALLON.MO.US



City No.  
 Page No.  
**C1-02**

**AS-BUILTS**

**GRADING, AREA DETAIL PLAN**

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