NO CONSTRUCTION TRAFFIC WILL BE ALLOWED TO ACCESS THE SITE FROM FELDEWERT ROAD

General Notes 2.1 **Existing Conditions** 3.1 Grading Plan 3.2 Borrow Area Details SWPPP/SWPPP Details 4.1 Site Plan 5.1 Utility Plan 5.2 Low Pressure Sewer Detail 6.1 Street Profiles 7.1-7.2 Sanitary Profiles 8.1 Sanitary & Storm Profiles 8.2 9.1 Drainage Area Map 10.1 11.1 Landscape Plan

12.1 DTL-1 - DTL-2 DTL-3 - DTL-4 DTL-5 - DTL-6 DTL-7 - DTL 8 DTL-9 - DTL-10 DTL-11

* 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 ___12.68 AC. 12.49 AC. The area of land disturbance is ____19_LOTS Number of proposed lots is _____25_FT Building setback information: Front _____6 FT _____25_FT

A SET OF CONSTRUCTION PLANS FOR BROOKSIDE ADDITION PHASE 4

A TRACT OF LAND BEING PART OF A LARGER TRACT OF LAND DESCRIBED IN A DEED TO MILDRED WILSON RECORDED IN DEED BOOK 6725 PAGE 446 OF THE ST. CHARLES COUNTY RECORDS AND TRACT OF LAND BEING PART OF PARCEL "B" [FUTURE DEVELOPMENT AREA] OF "BROOKSIDE ADDITION PLAT ONE", A SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED IN DOCUMENT NO. 2021R-081188 OF THE ST. CHARLES COUNTY, MISSOURI RECORDS, ALL LOCATED IN U.S. SURVEY 1783, TOWNSHIP 47 NORTH, RANGE 2 EAST OF THE FIFTH PRINCIPAL MERIDIAN, CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI

Locator Map

Zoning and Density Notes

1. GROSS AREA OF SITE: 12.689 ACRES LOMBARDO HOMES OF ST. LOUIS, LLC 4 RESEARCH PARK DRIVE, SUITE 130 ST. CHARLES, MO 63304

4. DWELLING UNITS PROPOSED: 19 UNITS 5. PARKING: SPACES REQUIRED: (2.0 SPACES/UNIT)X(19 UNITS)=38 SPACES

> 38 GARAGE SPACES 38 DRIVEWAY SPACES TOTAL SPACES SHOWN:

> > **EXISTING**

X 536

0

 \longrightarrow · \longrightarrow · \longrightarrow

Legend

CONTOURS

SPOT ELEVATIONS

CENTER LINE

BUILDINGS, ETC

TREE LINE

FENCE

CATCH BASIN

AREA INLET

GRATED INLET

DOUBLE CURB INLET

STORM MANHOLE

SANITARY MANHOLE

FLARED END SECTION

CLEANOUT

LATERAL CONNECTION

UTILITY OR POWER POLE

FIRE HYDRANT

TEST HOLE

PAVEMENT

GAS MAIN & SIZE

ELECTRIC (O) OVERHEAD

FLOW LINE

TO BE REMOVED

TO BE REMOVED & RELOCATED/REPLACED

TOP OF CURB

SWALE

LIGHT STANDARD

STREET SIGN

PARKING STALLS

YARD LIGHT

H.R. ~ DENOTES PROPOSED HANDICAP RAMP W/ TRUNCATED DOME

AN "*" WITH THE LOT NUMBER INDICATES A LOT WHICH IS MORE

~ TOP OF FOUNDATION ELEVATION

LS ~ LATERAL STATION FROM DOWNSTREAM MANHOLE

BF ~ BASEMENT FLOOR ELEVATION

SUSCEPTIBLE TO STREET MOVEMENT.

PROPOSED

XXX.X

(Ng.)—

→→ →→ -

Conditions of Approval From Planning and Zoning THE APPROVAL IS CONDITIONAL UPON THE FOLLOWING STAFF RECOMMENDATIONS BEING MET

VERIFY THE LANDSCAPE CALCULATIONS ARE CORRECT. PLEASE PROVIDE CLARIFICATION WITH REGARD TO THE FOLLOWING HOW WILL LOT 91 BE SERVICES FOR UTILITIES (WATER, SEWER, ETC.) PROVIDE TRAFFIC CALMING FOR ALL STREETS OVER 600 FEET IN LENGTH AS REVIEWED AND APPROVED ON THE CONSTRUCTION PROVIDE APPROVAL LETTERS FOR ALL OTHER PERMITTING ENTITIES FOR THE SITE SUCH AS SCHOOL DISTRICT, FIRE DISTRICT SANITARY CAPACITY FOR THE LIFT STATION, MODNR, ETC. INDICATE WITH A NOTE IF STREETLIGHTS ARE TO BE PUBLIC OR PRIVATE

PROVIDE A SCHOOL BUS TURN AROUND ON THE PROPOSED STREET OR PROVIDE APPROVAL OF THE PROPOSED LAYOUT FROM THE PREVIOUSLY APPROVED PLANS FOR BROOKSIDE ADDITION WILL NEED TO BE REVISED AS A PART OF THE REVIEW O HIS PROPOSED 19 LOT ADDITION. ADDRESS THE CONSTRUCTION PLAN COMMENTS

MUNICIPAL CODE REQUIREMENTS BEING PROVIDED IN CONJUNCTION WITH THE CONSTRUCTION SITE PLANS:

NOTE THAT ALL LATERALS ARE TO BE SCHEDULE 40 PVC. SHOW WATER METERS IN RIGHT-OF-WAY OR EASEMENT TO THE CITY PROVIDE USPS APPROVAL FOR MAILBOX KIOSK LOCATION. PROVIDE EVIDENCE THAT DETENTION AND STORMWATER CLEANSING HAS BEEN PROVIDED FOR THIS DEVELOPMENT PROVIDE COPIES OF ALL GRADING AND/OR SWPPP PLANS AND PERMITS APPROVED BY ST. CHARLES COUNTY. IN ALL AREAS OF SPECIAL FLOOD HAZARDS WHERE BASE FLOOD ELEVATION DATA HAS BEEN PROVIDED AS SET FORTH IN

ARTICLE III, SECTION 415.070 OR ARTICLE IV, SECTION 415.140(A)(8) (ZONES A AND AE) OR AREAS THAT HAVE HAD FILL PLACED TO REMOVE IT FROM THE SPECIAL FLOOD HAZARD AREA, THE FOLLOWING PROVISIONS ARE REQUIRED: RESIDENTIAL CONSTRUCTION, NEW CONSTRUCTION OR SUBSTANTIAL IMPROVEMENT OF ANY RESIDENTIAL STRUCTURE SHALL HAVE THE LOWEST FLOOR, INCLUDING BASEMENT, ELEVATED TO TWO (2) FEET OR MORE ABOVE THE BASE FLOOD ELEVATION. DEVELOPMENT LOCATED WITHIN AREAS OF SPECIAL FLOOD HAZARD ESTABLISHED IN ARTICLE III, SECTION 415.070 ARE AREAS DESIGNATED AS FLOODWAYS THAT ARE ADOPTED BASED ON THE PRINCIPLE THAT THE AREA CHOSEN FOR THE REGULATORY FLOODWAY MUST BE DESIGNED TO CARRY THE WATERS OF THE BASE FLOOD WITHOUT INCREASING THE WATER SURFACE ELEVATION OF THE ONE PERCENT (1%) CHANCE OF FLOOD IN ANY GIVEN YEAR. SINCE THE FLOODWAY IS AN EXTREMELY HAZARDOUS AREA DUE TO THE VELOCÍTY OF FLOOD WATERS WHICH CARRY DEBRIS, POTENTIAL PROJECTILES AND EROSION POTENTIAL, THE FOLLOWING PROVISION SHALL APPLY: PROHIBIT ENCROACHMENTS, INCLUDING FILL, NEW CONSTRUCTION. SUBSTANTIAL IMPROVEMENTS AND OTHER DEVELOPMENTS UNLESS CERTIFICATION BY A REGISTERED PROFESSIONAL ENGINEER IS PROVIDED DEMONSTRATING THAT ENCROACHMENTS SHALL NOT RESULT IN ANY INCREASE IN FLOOD LEVELS DURING

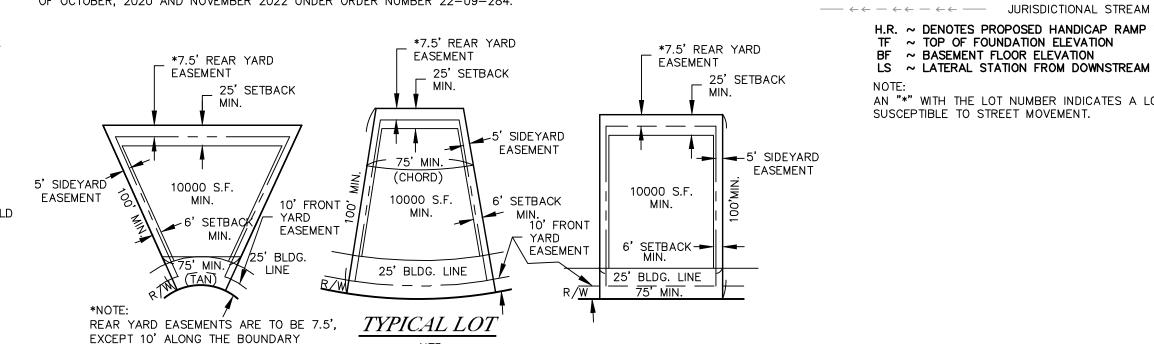
OCCURRENCE OF THE BASE FLOOD DISCHARGE. 10. NOTE ON PLANS THAT ALL LOWEST FLOOR ELEVATIONS ARE TO BE 2 FEET ABOVE BASE FLOOD ELEVATION. 11. NOTE THE REQUIREMENT ON THE PLANS THAT THE FIRST FIVE (5) MANHOLES DOWNSTREAM OF THE SEWER CONNECTION MUST

Legal Description

PERIMETER AND COMMON GROUND

A TRACT OF LAND BEING PART OF A LARGER TRACT OF LAND DESCRIBED IN A DEED TO MILDRED WILSON RECORDED IN DEED BOOK 6725 PAGE 446 OF THE ST. CHARLES COUNTY RECORDS AND TRACT OF LAND BEING PART OF PARCEL 'B" [FUTURE DEVELOPMENT AREA] OF 'BROOKSIDE ADDITION PLAT ONE", A SUBDIVISION ACCORDING TO THE PLAT THEREOF RECORDED IN DOCUMENT NO. 2021R—081188 OF THE ST. CHARLES COUNTY MISSOURI RECORDS, ALL LOCATED IN U.S. SURVEY 1783, TOWNSHIP 47 NORTH, RANGE 2 EAST OF THE FIFTH PRINCIPAL MERIDIAN, CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT AN IRON PIPE FOUND AT THE NORTHEAST CORNER OF THE ABOVEMENTIONED PARCEL "B" [FUTURE DEVELOPMENT AREA]; SAID POINT ALSO BEING ON THE SOUTH LINE OF FELDEWERT ROAD (50 FEET WIDE) AND BEING THE NORTHWEST CORNER OF THE HEREIN DESCRIBED TRACT OF LAND: THENCE WITH THE SOUTH LINE OF FELDEWERT ROAD AND THE EASTERLY PROLONGATION THEREOF, SOUTH 85'04'24" EAST A DISTANCE OF 859.76 FEET TO A POINT; THENCE, DEPARTING THE NORTH LINE OF THE AFORESAID WILSON TRACT WITH THE FOLLOWING COURSES AND DISTANCES: SOUTH 04'34'03" WEST, 142.62 FEET; SOUTH 13'55'05" WEST, 198.52 FEET; SOUTH 48°58'21" WEST, 268.70 FEET; SOUTH 24°50'32" WEST, 196.30 FEET; SOUTH 47°39'39" WEST, 212.27 FEET; NORTH 50°17'57" WEST, 181.18 FEET; SOUTH 38°50'01" WEST, 119.10 FEET AND NORTH 49'36'02" WEST, 174.53 FEET TO A POINT ON THE EAST LINE OF AFORESAID PARCEL "B" [FUTURE DEVELOPMENT AREA] AS PER 'BROOKSIDE ADDITION PLAT ONE" AND BEING DISTANT NORTH 26.35'09" EAST 124.03 FEET FROM THE NORTHEAST CORNER OF LOT 6 OF SAID BROOKSIDE ADDITION PLAT ONE; THENCE, WITH THE EAST LINE OF SAID PARCEL B, NORTH 26'35'09" EAST, 160.28 FEET TO A POINT; THENCE LEAVING SAID EAST LINE AND PROCEEDING THE FOLLOWING COURSES AND DISTANCES: NORTH 1011'23" WEST, 467.47 FEET; NORTH 79°48'37" EAST, 39.73 FEET; NORTH 10°11'23" WEST, 137.87; SOUTH 79°48'37" WEST, 60.78 FEET, NORTH 12'53'36" EAST, 27.97 FEET TO THE POINT OF BEGINNING AND CONTAINING 552,766 SQUARE FEET, OR 12.6898 ACRES. MORE OR LESS. ACCORDING TO SURVEY PERFORMED BY THE STERLING COMPANY DURING THE MONTH OF OCTOBER, 2020 AND NOVEMBER 2022 UNDER ORDER NUMBER 22-09-284.



Sanitary Sewers City of O'Fallon 100 N. Main St. O'Fallon, MO. 63366

City of O'Fallon 100 N. Main St. O'Fallon, MO. 63366

Contact: 636-240-2000 Missouri American Water Co. 727 Craig Rd.

Public Water Supply District No. 2 P.O. Box 967

636-561-3737 Storm Sewer

Curve River Electric Co. P.O. Box 160 Troy, MO. 63379-0160 1-800-392-3709

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

<u>Gas</u> Spire Gas 6400 Graham Road St. Louis, MO. 63134

<u>Telephone</u>

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

636-272-3493

CITY OF O'FALLON COMMUNITY DEVELOPMENT DEPARTMENT ACCEPTED FOR CONSTRUCTION

PROFESSIONAL ENGINEER'S SEAL INDICATES RESPONSIBILITY FOR DESIGN

Utility Contacts

Contact: 636-240-2000

Duckett Creek Sanitary District 3550 Highway K O'Fallon, MO. 63368 636-441-1244

l-19-2024 Initial Submitta

5-01-2024 City Comment Revisions 6-21-2024 City Comment Revisions

8-30-2024 City Comment Revisions

St. Louis, MO. 63141 1-866-430-0820

O'Fallon, MO. 63366

City of O'Fallon 100 N. Main St. O'Fallon, MO. 63366 636-240-2000

<u>Electric</u>

314-522-2297

O'Fallon Fire Protection District 111 Laura K Dr. O'Fallon, MO. 63366

Wentzville Fire District 209 West Pearce Blvd. Wentzville, MO. 63385

Cottleville Fire Protection District 1385 Motherhead Rd. St. Charles, MO. 63304 636-447-6655

New Melle Fire Protection District 3705 Mill St. New Melle, MO. 63365 636-828-5528

BY: DATENOVEMBER 18, 2024

P+Z No. 23-010457 24-000568 City No. 8/30/2024 Date: **Job No.** 22-09-284

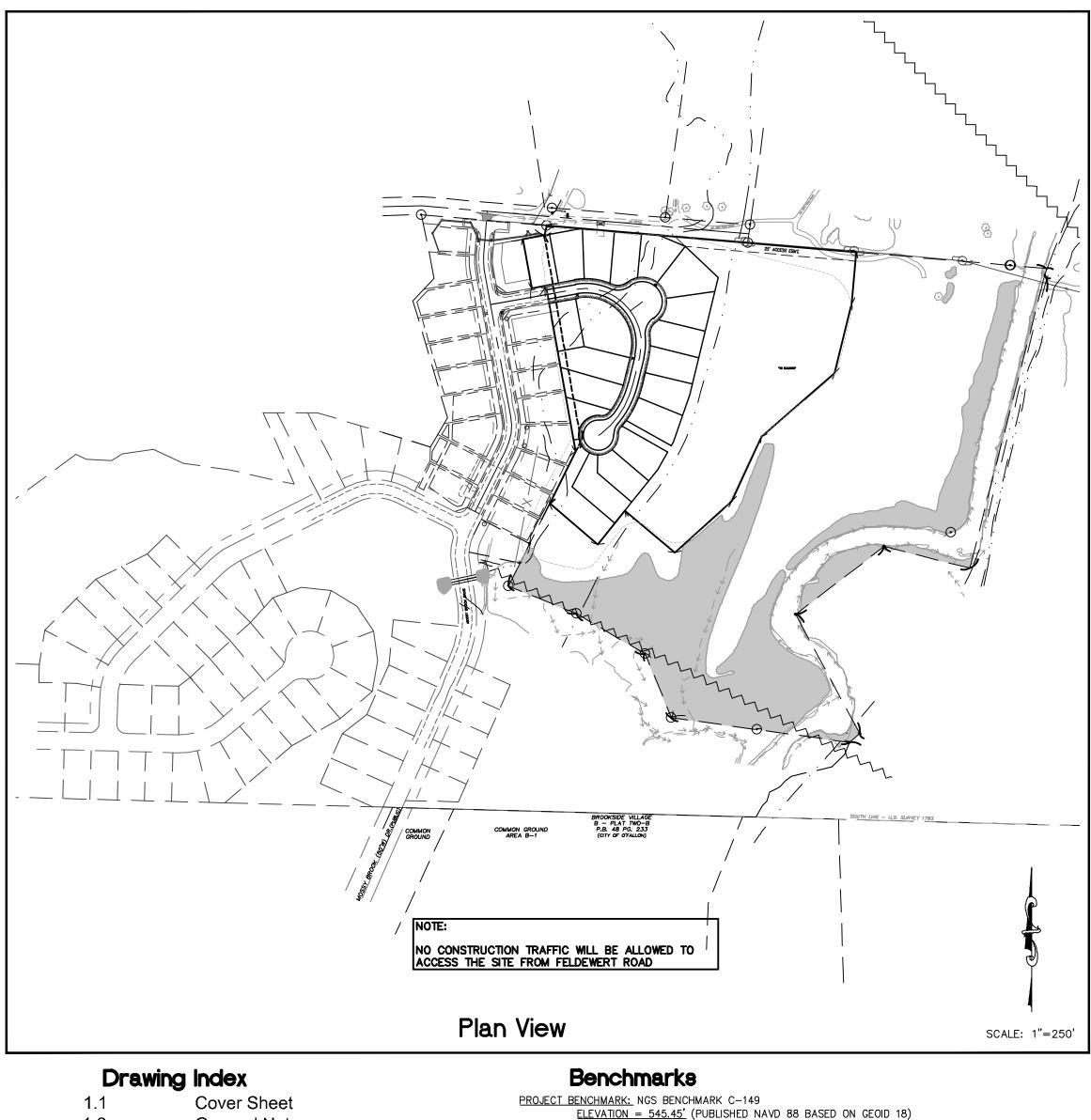
RODNEY ARNOLD

Professional Engineer

LICENSE # PE-2002016612

Page No.

"Final Plan" Approval Date: October 26, 2023 (23-010457)



RIGHT-OF-WAY FENCE.

TOTAL SITE AREA:

SITE BENCHMARK: ELEVATION = 481.58' (NAVD 88)

STATEMENT OF STATE PLANE COORDINATE TIE

Project Data

3.3-3.5

Storm Profiles & Hydraulic Calculations

Warping & Zone of Influence Sections

Streetlight Plan **Erosion Control Details** Sanitary Sewer Details Storm Sewer Details

Water Main Details Pavement Details Miscellaneous Details

FLOOD ZONE "AE" (FLOODWAY) IS DEFINED AS FLOODWAY AREAS IN ZONE "AE". LOMR-F CASE NO. 24-07-0501A DATED AUGUST 14, 2024 REMOVES FUTURE LOTS 91, 92 & 93 FROM FLOODPLAIN. LOTS 7-14, 94-102, AND 106-109 WILL BE REMOVED BY A FUTURE LOMR-F. LIMITS OF FLOOD ZONE AREAS ARE SHOWN HEREON BY SCALING ONLY AND SHOULD BE

<u>ELEVATION = 545.64'</u> (OBSERVED NAVD 88 GEOID 12B) (ADOPTED)

POLE AND 61 FEET NORTHEAST OF A UTILITY POLE. (LOCATION SHOWN HEREON).

COMBINED GRID FACTOR = 0.999920230 (1 METER = 3.28083333 FEET)

12.49 ACRES

"STANDARD DISK" 1.8 MILES EAST ALONG THE WABASH RAILROAD FROM THE STATION AT GILMORE. ST.

CHARLES COUNTY, 80 FEET WEST OF A TOWNSHIP ROAD CROSSING, 48 FEET NORTH OF THE CENTERLINE OF

THE TRACK, 12 FEET WEST OF THE RIGHT-OF-WAY FENCE CORNER, AND 2 FEET SOUTH OF THE

CROSS" CUT IN TOP OF SOUTH END OF RETAINING WALL AT THE WEST SIDE OF DRIVEWAY AT 3125

FELDEWERT ROAD; 42 FEET WEST OF A MAILBOX FOR 3125 FELDEWERT ROAD, 51 FEET SOUTH OF A UTILITY

STATE PLANE COORDINATES WERE DETERMINED ON JANUARY 15, 2020 USING TRIMBLE REAL-TIME KINEMATIC

GPS HARDWARE FROM THE PROJECT SITE TO A CONTINUOUSLY OPERATING REFERENCE STATION (CORS) WITH

AN ID OF MOOF AND A PID OF DM4688 HAVING PUBLISHED MISSOURI STATE PLANE (EAST ZONE) 2011

3. FLOOD PLAIN: SUBJECT TRACT IS LOCATED IN FLOOD ZONE "X" (UNSHADED), FLOOD ZONE "X"

(SHADED), FLOOD ZONE "AE" AND FLOOD ZONE "AE" (FLOODWAY) ACCORDING TO THE NATIONAL

AND INCORPORATED AREAS ISSUED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, MAP

NUMBER 29183C0210G EFFECTIVE JANUARY 20, 2016, LOMR-F CASE NO. 21-07-1264A DATED

AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL

TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD; BASE FLOOD ELEVATIONS DETERMINED.

FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR ST. CHARLES COUNTY, MISSOURI

OCTOBER 18, 2021, AND LOMR-F CASE NO. 24-07-0501A DATED AUGUST 14, 2024. FLOOD ZONE

FLOODPLAIN. ZONE "X" (SHADED) IS DEFINED AS AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS

OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE

CHANCE FLOOD. ZONE "AE" IS IS DEFINED AS SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT

"X" (UNSHADED) IS DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE

COORDINATE VALUES OF NORTH (Y) = 324131.153 METERS AND EAST (X) = 232983.488 METERS.

O'FALLON BUILDING DEPARTMENT WILL REQUIRE AN ELEVATION CERTIFICATE FOR LOTS 10, 11, 12, 91-101, AND 106-109 TO VERIFY THAT THE BASEMENT FLOOR MEETS THE 2 FOOT MINIMUM ELEVATION ABOVE THE 100 YEAR BASE FLOOD ELEVATION.

4. TREE PRESERVATION CALCS: EXISTING TREES = 0.00 ACRES = 0.00 ACRES TREES REMOVED TREES SAVED = 0.00 ACRES (100%) TREES REQUIRED TO BE SAVED = 0.00 ACRES (20.0%)

5. ESTIMATED SANITARY SEWER FLOW = 7,030 GALLONS/DAY

6. EXISTING TOPOGRAPHY REFLECTS THE PROPOSED GRADING APPROVED BY ST. CHARLES COUNTY. THE TOPOGRAPHY AS SHOWN ON THIS PLAN DOES NOT ACCURATELY REFLECT THE CURRENT FIELD CONDITIONS OF THE SITE.

SEE SEPARATE INITIAL SWPPP AND ROUGH GRADING PLANS DATED 8-15-2023 FOR SEDIMENT AND EROSION CONTROL DESIGN AND DETAILS