# THE RIDGE AT BLACKHAWK

## PHASE 2

## PRELIMINARY PLAN ONLY
## NOT FOR RECORDATION
## PP2024-000105

## CITY OF PFLUGERVILLE ETJ, TEXAS

## AUGUST 2025

| CITY APPROVED REVISION & CORRECTIONS | | | | | | | |
|---|---|---|---|---|---|---|---|
| No. | DESCRIPTION | REVISE (R), CORRECT (C), ADD (A), VOID (V), SHEET No.'s | DESIGN ENGINEER SIGNATURE | CITY OF PFLUGERVILLE APPROVAL | TRAVIS COUNTY | LAKESIDE MUD NO. 5 | APPROVAL DATE |
| | | | | | | | |
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### SUBMITTALS

| SUBMITTAL No. | DATE |
|---|---|
| 1ST SUBMITTAL | 02/26/2024 |
| 2ND SUBMITTAL | 5/13/2024 |
| 3RD SUBMITTAL | 08/05/2024 |
| 4TH SUBMITTAL | 12/2/2024 |
| 5TH SUBMITTAL | 02/10/2025 |
| 6TH SUBMITTAL | 03/17/2025 |
| 7TH SUBMITTAL | 08/18/2025 |

### ASSOCIATED STUDIES & REPORTS

PRELIMINARY ENGINEERING REPORT
PAPE-DAWSON ENGINEERS — FEBRUARY 2024

PRELIMINARY DRAINAGE REPORT
PAPE-DAWSON ENGINEERS — JULY 2024

WATER MODEL
PAPE-DAWSON ENGINEERS — JULY 2024

WASTEWATER ANALYSIS
PAPE-DAWSON ENGINEERS — JULY 2024

THE RIDGE AT BLACKHAWK PH 2, TIA
TRAFFIC IMPACT GROUP, LLC — JUNE 2019

THE RIDGE AT BLACKHAWK PH 2, ERI
PELOTON LAND SOLUTIONS — FEBRUARY 2024

### SURVEY INFORMATION

BENCHMARK A:
N:10147736.18'
E:3180888.10'
TRIANGLE CUT ON CONCRETE PEDESTAL
ELEV. 650.78'
NAVD88
BENCHMARK B:
N:10145457.05'
E:3180092.16'
TRIANGLE CUT ON CONCRETE PEDESTAL
ELEV. 615.85'
NAVD88

SURVEY REFERENCE:
NORTH AMERICAN DATUM OF 1983 (NAD 83) (2011) 4203 COORDINATE SYSTEM OF TEXAS STATE PLANE CENTRAL ZONE
SCALE FACTOR OF 0.99988 ABOUT ORIGIN (0,0) SURFACE TO GRID NORTHING AND EASTING ARE BASED ON SURFACE COORDINATES

### UTILITY PROVIDERS

AT&T TEXAS:
712 E. HUNTLAND DRIVE
AUSTIN, TEXAS 78752
(512)870-4766 / FAX (512)870-4711

ATMOS ENERGY CORPORATION
3110 N IH-35
ROUND ROCK, TEXAS 78681
(512)310-3856 / FAX (512)310-3880

CITY OF PFLUGERVILLE - PUBLIC WORKS DEPARTMENT
CONTACT: MATT WOODARD
15500 SUN LIGHT NEAR WAY #B
PFLUGERVILLE, TX 78691-0589
(512)990-6400

CITY OF PFLUGERVILLE - DEVELOPMENT SERVICES DEPARTMENT
CONTACT: JEREMY FRAZZELL
100 W. MAIN STREET
PFLUGERVILLE, TX 78691-0589
(512)990-6300

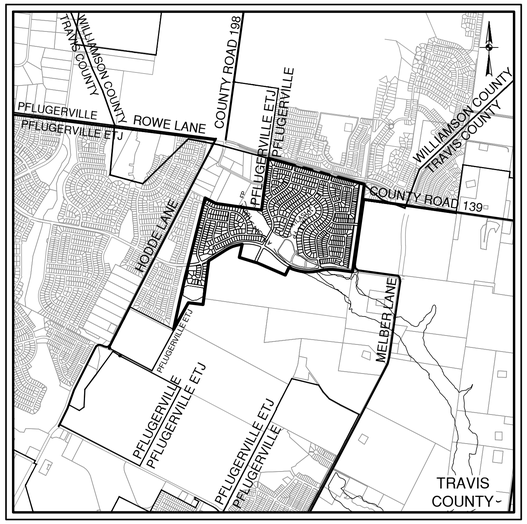
SUDDENLINK COMMUNICATIONS:
111 NORTH COLLAGE STREET
GEORGETOWN, TEXAS 78626
(512)563-7063 / FAX (512)869-2962

ONCOR
350 TEXAS AVENUE
ROUND ROCK, TEXAS 78664
(512)244-5606

T.C.E.S.D. NO. 2,
PFLUGERVILLE FIRE DEPARTMENT
203 E. PECAN STREET
PFLUGERVILLE, TEXAS 78660
(512)251-2801

### NOTES

1. THIS PRELIMINARY PLAN LIES WITHIN THE CITY OF PFLUGERVILLE ETJ.
2. RETAIL WATER AND WASTEWATER SHALL BE PROVIDED BY LAKESIDE MUD #5. NO LOT IN THIS SUBDIVISION SHALL BE OCCUPIED UNTIL CONNECTED TO WATER AND WASTEWATER FACILITIES.
3. A 10-FT. PUBLIC UTILITY EASEMENT (P.U.E.) SHALL BE DEDICATED ALONG ALL STREET FRONTAGES.
4. EASEMENTS DEDICATED TO THE PUBLIC BY THIS PRELIMINARY PLAN SHALL ALSO BE SUBJECT TO THE TERMS AND CONDITIONS OF THE ENGINEERING DESIGN MANUAL AS AMENDED PER CITY OF PFLUGERVILLE ORDINANCE NO. 1206-15-02-24. THE GRANTOR, HEIRS, SUCCESSORS AND ASSIGNS SHALL RETAIN THE OBLIGATION TO MAINTAIN THE SURFACE OF THE EASEMENT PROPERTY, INCLUDING THE OBLIGATION TO REGULARLY MOW OR CUT BACK VEGETATION AND TO KEEP THE SURFACE OF THE EASEMENT PROPERTY FREE OF LITTER, DEBRIS, AND TRASH.
5. NO IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO, STRUCTURES, FENCES OR LANDSCAPING SHALL BE ALLOWED IN A PUBLIC EASEMENT, EXCEPT AS APPROVED BY THE CITY OF PFLUGERVILLE AND TRAVIS COUNTY.
6. THE PROPERTY OWNER SHALL PROVIDE ACCESS TO THE DRAINAGE AND UTILITY EASEMENTS AS MAY BE NECESSARY AND SHALL NOT PROHIBIT ACCESS BY TRAVIS COUNTY AND/OR THE CITY OF PFLUGERVILLE FOR THE PLACEMENT, CONSTRUCTION, INSTALLATION, REPAIR, MAINTENANCE, RELOCATION, REMOVAL, OPERATION AND INSPECTION OF SUCH DRAINAGE AND UTILITY FACILITIES, AND RELATED APPURTENANCES.
7. SIDEWALKS SHALL BE CONSTRUCTED ALONG BOTH SIDES OF ALL STREETS AND IN THE LANDSCAPE/PUBLIC ACCESS EASEMENTS AS SHOWN BY A DOTTED LINE DEPICTING THE SIDEWALK WIDTH AS SHOWN ON THE FACE OF THIS PRELIMINARY PLAN. A MINIMUM OF SIX (6) FOOT WIDE SIDEWALK ALONG SAN ACACIA TRACE AND SPEIDEL DRIVE AND SHALL BE CONSTRUCTED WITH THE PUBLIC INFRASTRUCTURE PLANS ASSOCIATED WITH EACH SECTION. ALL OTHER SIDEWALKS SHALL BE FOUR (4) FEET WIDE AS SHOWN ON THE PRELIMINARY PLAN.
8. STREETLIGHTS SHALL BE INSTALLED AND IN FULL WORKING ORDER WITH THE PUBLIC IMPROVEMENTS. ALL STREETLIGHTS SHALL BE IN CONFORMANCE WITH ALL CITY OF PFLUGERVILLE ORDINANCES INCLUDING BUT NOT LIMITED TO BEING DOWNCAST AND FULL CUT OFF TYPE.
9. THIS SUBDIVISION IS SUBJECT TO ALL CITY OF PFLUGERVILLE ORDINANCES OR TECHNICAL MANUALS RELATED TO TREE PRESERVATION PER CITY ORDINANCE #1203-15-02-24 AND CITY RESOLUTION #1224-09-08-25-8A.
10. THE COMMUNITY IMPACT RATE FOR WASTEWATER WILL BE ASSESSED AT THE TIME OF FINAL PLAT.
11. ON-SITE STORM WATER FACILITIES SHALL BE PROVIDED.THE SUBDIVISION SHALL MITIGATE THE POST-DEVELOPMENT PEAK RUNOFF RATES FOR THE 2 YEAR, 25 YEAR AND 100 YEAR STORM EVENTS.
12. ALL ELECTRIC UTILITY INFRASTRUCTURE INCLUDING BUT NOT LIMITED TO TELEPHONE, CABLE TELEVISION, ELECTRIC UTILITY LATERAL AND SERVICE LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PFLUGERVILLE ENGINEERING DESIGN MANUAL.
13. THE OWNER OF THIS SUBDIVISION, AND HIS OR HER SUCCESSORS AND ASSIGNS, ASSUMES RESPONSIBILITY FOR PLANS FOR CONSTRUCTION OF SUBDIVISION IMPROVEMENTS WHICH COMPLY WITH THE APPLICABLE CODES AND REQUIREMENTS OF THE CITY OF PFLUGERVILLE AND THE DEVELOPMENT AGREEMENT.
14. CONSTRUCTION PLANS AND SPECIFICATIONS FOR ALL SUBDIVISION IMPROVEMENTS SHALL BE REVIEWED AND APPROVED BY THE CITY OF PFLUGERVILLE AND TRAVIS COUNTY PRIOR TO ANY CONSTRUCTION WITHIN THE SUBDIVISION.
15. SITE DEVELOPMENT CONSTRUCTION PLANS SHALL BE REVIEWED AND APPROVED BY THE CITY OF PFLUGERVILLE AND TRAVIS COUNTY PRIOR TO ANY CONSTRUCTION.
16. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.
17. ALL PROPOSED FENCES, WALLS AND LANDSCAPING ADJACENT TO INTERSECTING PUBLIC ROADWAY RIGHT-OF-WAY OR ADJACENT TO PRIVATE ACCESS DRIVES SHALL BE IN COMPLIANCE WITH THE SIGHT DISTANCE REQUIREMENTS OF THE CITY OF PFLUGERVILLE ENGINEERING DESIGN MANUAL, AS AMENDED.
18. WASTEWATER AND WATER SYSTEMS SHALL CONFORM TO TCEQ (TEXAS COMMISSION ON ENVIRONMENTAL QUALITY) AND STATE BOARD OF INSURANCE REQUIREMENTS. THE OWNER UNDERSTANDS AND ACKNOWLEDGES THAT PLAT VACATION OR RE-PLATTING MAY BE REQUIRED AT THE OWNER'S SOLE EXPENSE IF PLANS TO DEVELOP THIS SUBDIVISION DO NOT COMPLY WITH SUCH CODES AND REQUIREMENTS.
19. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF PFLUGERVILLE MUST RELY ON THE ADEQUACY OF THE WORK OF THE ENGINEER.
20. ALL OPEN SPACE AND DRAINAGE LOTS ARE RESTRICTED TO NON-RESIDENTIAL USES AND SHALL BE OWNED AND MAINTAINED BY LAKESIDE M.U.D. NO. 5 IN ACCORDANCE WITH DOC. NO. 2025040748 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS. THE FOLLOWING LOTS WILL BE THE RESPONSIBILITY OF LAKESIDE M.U.D. NO. 5: A1, A13, A22, B1, B13, C31, C53, D9, E1, E20, E44, E63, H5, K1, L1, L18, M1, M23, M32, M40, M51, M52, O1, P17, Q1, Q23, Q55, Q56, T12, V1, V39. EFFECTIVE ON THE FULL-PURPOSE ANNEXATION CONVERSION DATE, THE DISTRICT MAY CONVERT INTO A LIMITED DISTRICT AND CONTINUE MAINTENANCE AND FUNCTIONS PREVIOUSLY PERFORMED BY THE MUD IN ACCORDANCE WITH THE STRATEGIC PARTNERSHIP AGREEMENT "EXHIBIT F" OF THE BEFOREMENTIONED DOCUMENT. IF A LIMITED DISTRICT IS NOT ESTABLISHED, MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE HOMEOWNER'S ASSOCIATION.
21. ALL DRAINAGE EASEMENTS ON PRIVATE PROPERTY SHALL BE MAINTAINED BY THE OWNER OR HIS/HER ASSIGNS.
22. ALL 15' DRAINAGE EASEMENTS WILL BE ENCLOSED CONDUIT.
23. DRAINAGE PLANS SHALL BE SUBMITTED TO TRAVIS COUNTY (AND OTHER APPROPRIATE JURISDICTION) FOR REVIEW PRIOR TO SITE DEVELOPMENT. RAINFALL RUN-OFF SHALL BE HELD TO THE AMOUNT EXISTING AT UNDEVELOPED STATUS BY PONDING OR OTHER APPROVED METHODS.
24. NO DRIVEWAY SHALL BE CONSTRUCTED CLOSER THAN 150 FEET TO THE EDGE OF PAVEMENT OF AN INTERSECTION ARTERIAL STREET. NO DRIVEWAY SHALL BE CONSTRUCTED CLOSER THAN 50 FEET TO THE EDGE OF PAVEMENT OF AND INTERSECTING LOCAL OR COLLECTOR STREET.
25. ALL STREETS WILL BE PUBLIC.
26. WITHIN A SIGHT LINE EASEMENT, ANY OBSTRUCTION OF SIGHT LINE BY VEGETATION, FENCING, EARTHWORK, BUILDINGS, SIGNS OR OTHER OBJECT WHICH IS DETERMINED TO CAUSE A TRAFFIC HAZARD IS PROHIBITED AND MAY BE REMOVED BY ORDER OF THE TRAVIS COUNTY COMMISSIONERS' COURT OR THE CITY OF PFLUGERVILLE AT THE OWNER'S EXPENSE. THE PROPERTY OWNER IS TO MAINTAIN AN UNOBSTRUCTED VIEW CORRIDOR WITHIN THE BOUNDS OF SUCH EASEMENT AT ALL TIMES.
27. ONCOR ELECTRIC DELIVERY COMPANY WILL BE PROVIDING ELECTRIC UTILITIES, SI ENERGY WILL BE PROVIDING GAS UTILITIES, AT&T WILL BE PROVIDING CABLE UTILITIES, AND LAKESIDE MUD #5 WILL BE PROVIDING WATER AND WASTEWATER UTILITIES.
28. THE SUBDIVISION PERIMETER FENCE SHALL BE MASONRY AND CONSTRUCTED WITH THE PUBLIC IMPROVEMENTS.
29. THIS PROPERTY IS SUBJECT TO THE REVISED TRAFFIC IMPACT ANALYSIS DATED 7 JUNE 2019, TITLED "THE RIDGE AT BLACKHAWK", PREPARED BY TRAFFIC IMPACT GROUP, LLC. AND A PHASING AGREEMENT RECORDED IN DOCUMENT NO. 2020225295.
30. HIKE AND BIKE TRAIL IS TO BE CONSTRUCTED WITH THE FIRST PUBLIC INFRASTRUCTURE SET FOR EACH SECTION.
31. THE PUBLIC PARKLAND DEDICATION AND PARK DEVELOPMENT FEE SHALL BE PER THE AMENDED AND RESTATED COMPREHENSIVE DEVELOPMENT AGREEMENT (LAKEDSIDE MUD NO. 5) DATED 7 JUNE 2019 AND RECORDED IN DOCUMENT NO. 2019089789 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS. PARKLAND REQUIREMENTS WILL BE SATISFIED PRIOR TO FINAL PLAT APPROVAL.
32. NO MANHOLES SHALL BE INSTALLED WITHIN THE SIDEWALK AREA.
33. ACCESS TO TRAVIS COUNTY ROADWAYS WILL REQUIRE A PERMIT FROM TRAVIS COUNTY.
34. A TRAVIS COUNTY DEVELOPMENT PERMIT IS REQUIRED PRIOR TO SITE DEVELOPMENT.
35. NO CUT OR FILL ON ANY LOT MAY EXCEED EIGHT FEET, EXCLUDING DRIVEWAYS, A BUILDING STRUCTURE'S FOOTPRINT, OR A PARKING AREA FOOTPRINT, IN ACCORDANCE WITH THE TRAVIS COUNTY CODE.
36. AS DEPICTED ON THE PLAT, EACH PROTECTIVE EASEMENT FROM A CRITICAL ENVIRONMENTAL FEATURE, INCLUDING A CAVE, SINKHOLE, POINT RECHARGE FEATURE, BLUFF, CANYON RIMROCK FEATURE, WETLAND, AND SPRING MUST REMAIN IN ITS EXISTING, UNDEVELOPED, NATURAL STATE. NATURAL VEGETATIVE COVER MUST BE RETAINED. CONSTRUCTION ACTIVITIES, WASTEWATER DISPOSAL, AND WASTEWATER IRRIGATION ARE PROHIBITED WITHIN A PROTECTIVE EASEMENT. A RESIDENTIAL LAWN OR TRAIL IS ALLOWED IF IT IS LOCATED AT LEAST 50 FEET FROM THE EDGE OF A CRITICAL ENVIRONMENTAL FEATURE IN ACCORDANCE WITH THE TRAVIS COUNTY CODE.
37. AS DEPICTED ON THE PLAT, THE SETBACK AREA IDENTIFIED FOR EACH WATERWAY IS A PROTECTIVE EASEMENT THAT MUST REMAIN UNDEVELOPED AND ACTIVITIES MUST BE LIMITED WITHIN THE EASEMENT. THE PROTECTIVE EASEMENT MUST REMAIN FREE OF CONSTRUCTION, DEVELOPMENT, AND OTHER ALTERATIONS EXCEPT WHEN SPECIFICALLY APPROVED IN A TRAVIS COUNTY DEVELOPMENT PERMIT.
38. BEFORE BEGINNING CONSTRUCTION ACTIVITIES ON A SUBDIVISION LOT, THE OWNER MUST OBTAIN A TRAVIS COUNTY DEVELOPMENT PERMIT AND, WHEN APPLICABLE, OBTAIN AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN (SWP3). THE SWP3 REQUIRES IMPLEMENTATION OF TEMPORARY AND PERMANENT BEST MANAGEMENT PRACTICES, INCLUDING EROSION AND SEDIMENT CONTROLS, FOR PROTECTION OF STORM WATER RUNOFF QUALITY, IN ACCORDANCE WITH THE TRAVIS COUNTY CODE.
39. THE OWNER IS RESPONSIBLE FOR MAINTAINING AND OPERATING ALL PERMANENT WATER QUALITY CONTROLS IN COMPLIANCE WITH ALL APPLICABLE STANDARDS AND REQUIREMENTS OF THE TRAVIS COUNTY CODE.
40. AN ACTIVITY THAT MAY ADVERSELY AFFECT A TREE OF EIGHT INCHES OR MORE IN TRUNK DIAMETER (MEASURED AT FOUR FEET HEIGHT ABOVE THE GROUND) IN A RIGHT-OF-WAY ACCEPTED FOR MAINTENANCE BY TRAVIS COUNTY MUST COMPLY WITH ALL STANDARDS AND REQUIREMENTS IN THE TRAVIS COUNTY CODE.
41. THE WALL, FENCE AND LANDSCAPE EASEMENTS (WF&L) ARE FOR WALLS, FENCE AND LANDSCAPE PURPOSES. THE HOA WILL BE RESPONSIBLE FOR THE MAINTENANCE OF THE WALL, FENCE AND LANDSCAPE EASEMENTS.
42. ALL EASEMENTS UNDER PROPOSED RIGHT-OF-WAY WILL NEED TO BE VACATED FOR THE PORTION WITHIN THE RIGHT-OF-WAY PRIOR TO FINAL PLAT APPROVAL.
43. THIS SUBDIVISION IS SUBJECT TO THE 2016 TRAVIS COUNTY WATER QUALITY RULES.
44. AT THE TIME OF RECORDING ON ANY FINAL PLAT OUT OF THIS PRELIMINARY PLAN, A DECLARATION OF COVENANTS, EASEMENTS, AND RESTRICTIONS SHALL BE RECORDED IN THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS.
45. THE PARK AT BLACKHAWK AND LAKESIDE HOA INC. AND BYLAWS HAVE BEEN ESTABLISHED IN ACCORDANCE WITH DOCUMENT NO. 2002010202 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS.
46. WHERE APPLICABLE, THE PUBLIC PARKLAND DEDICATION AND PARK DEVELOPMENT FEE SHALL BE CALCULATED IN COMPLIANCE WITH THE AMENDED AND REINSTATED COMPREHENSIVE DEVELOPMENT AGREEMENT (LAKESIDE MUD NO.5) RECORDED IN DOC NO 2019089789 OPRTC.
47. LOT 1 BLOCK "W" AND LOT 1 BLOCK "X" WILL HAVE NON-RESIDENTIAL USES ONLY.
48. LOT E, BLOCK 44 (E44) SHALL BE OWNED AND MAINTAINED BY LAKESIDE MUNICIPAL UTILITY DISTRICT NO. 5. IN ACCORDANCE WITH THE SUBDIVISION WAIVER APPROVED BY THE CITY OF PFLUGERVILLE ON 08/04/2025 (FP2025-000283), ACCESS TO GATE DANCER LANE MAY BE DESIGNED TO BE LIMITED TO PEDESTRIAN AND EMERGENCY VEHICLE USE UNTIL SUCH TIME THAT LAKESIDE MUD 5 IS ANNEXED. THE WAIVER IS SUBJECT TO RECONSIDERATION AT THE TIME OF ANNEXATION.




LOCATION MAP

SCALE: 1" = 2000'

## 20700 MELBER LN

PROPERTY ID: 281919 & 281912 & 883262 & 964172 & 964173

A 250.36 ACRE OR 10,905,647 SQUARE FOOT TRACT OF LAND, SITUATED IN THE JOHN C. DUVAL SURVEY SECTION NO. 14, ABSTRACT NO. 235 (TRAVIS COUNTY, AND ABSTRACT NO 194 (WILLIAMSON COUNTY), OUT OF DANIEL & GRACY BERGEN SURVEY, SECTION NO. 79, ABSTRACT NO. 2599 (TRAVIS COUNTY), OUT OF THE BENJAMIN ALLEN SURVEY, SECTION NO. 73, ABSTRACT NO. 36, (TRAVIS COUNTY), AND IN THE JUAN ZAMBRANO SURVEY, SECTION NO. 38, ABSTRACT NO. 845, (TRAVIS COUNTY), BEING A PORTION OF A CALLED 74.786 ACRE TRACT (TRACT 1), BEING A PORTION OF A CALLED 186.722 ACRE TRACT (TRACT 2), AND ALL OF A CALLED 94.651 ACRE TRACT (TRACT 12), ALL CONVEYED TO 05 RANCH INVESTMENTS, LLC, RECORDED IN DOCUMENT NO. 2023096680 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS, BEING ALL OF THE REMNANT PORTION OF A CALLED 37.845 ACRE TRACT CONVEYED TO ROBERT M. TIEMANN, RECORDED IN DOCUMENT NO. 2016158649 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS, IN BOTH TRAVIS AND WILLIAMSON COUNTIES, TEXAS, SAVE AND EXCEPT A CALLED 7.096 ACRE TRACT RECORDED IN DOCUMENT NO. 20032804876 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS AND OUT OF DOCUMENT NO. 2003114459 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, AND SAVE AND EXCEPT A CALLED 7.799 ACRE TRACT CONVEYED TO LAKESIDE MUNICIPAL UTILITY DISTRICT NO. 5, RECORDED IN DOCUMENT NO. 2022043279 OF THE OFFICIAL PUBLIC RECORDS OF TRAVIS COUNTY, TEXAS. SAID 250.266 ACRE TRACT BEING MORE FULLY DESCRIBED AS FOLLOWS, WITH BEARINGS BASED ON THE NORTH AMERICAN DATUM OF 1983 (NA 2011) EPOCH 2010.00, FROM THE TEXAS COORDINATE SYSTEM ESTABLISHED FOR THE CENTRAL ZONE.

### OWNERS:

05 RANCH INVESTMENTS LLC (1926564)
21100 CARRIES RANCH RD
PFLUGERVILLE TX 78660-6423
PHONE: 9512) 990-1933
FAX: (512) 990-1938

TIEMANN ROBERT M (194264)
21100 CARRIES RANCH ROAD
PFLUGERVILLE TX 78660-6423

LAKESIDE MUD NO 5 (1875672)
102 N. RAILROAD AVE TIEMANN, SHAHADY & HAMALA, PC
PFLUGERVILLE TX 78660

### ENGINEER:

PAPE-DAWSON ENGINEERS, INC.
10801 N MOPAC EXPY
BLDG 3, STE 200
AUSTIN, TEXAS 78759
(512) 454-8711

### SURVEY:

PAPE-DAWSON ENGINEERS, INC.
10801 N MOPAC EXPY
BLDG 3, STE 200
AUSTIN, TEXAS 78759
(512) 454-8711

PFLUGERVILLE

VICINITY MAP

SCALE: 1" = 5000'

**PAPE-DAWSON**

10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711

TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800

## Sheet List Table


| SHEET NO. | SHEET DESCRIPTION |
|---|---|
| 1 | COVER SHEET |
| 2 | DEVELOPMENT TABLES |
| 3 | OVERALL PRELIMINARY PLAN |
| 4 | SUMMARY AND LOT TABLES (1 of 2) |
| 5 | SUMMARY AND LOT TABLES (2 of 2) |
| 6 | DIMENSION CONTROL (1 of 5) |
| 7 | DIMENSION CONTROL (2 of 5) |
| 8 | DIMENSION CONTROL (3 of 5) |
| 9 | DIMENSION CONTROL (4 of 5) |
| 10 | DIMENSION CONTROL (5 of 5) |

EXHIBITS

| | |
|---|---|
| 11 | SIGHT LINE EASEMENT DETAILS (1 of 2) |
| 12 | SIGHT LINE EASEMENT DETAILS (2 of 2) |
| 13 | EXISTING CONDITIONS & PROPOSED GRADING PLAN |
| 14 | EROSION AND SEDIMENTATION CONTROL |
| 15 | UTILITY LAYOUT (1 of 5) |
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| 19 | UTILITY LAYOUT (5 of 5) |
| 20 | EXISTING DRAINAGE |
| 21 | PROPOSED OVERALL DRAINAGE |
| 22 | WATER QUALITY DRAINAGE MAP |
| 23 | ULTIMATE DRAINAGE STUDY (1 of 6) |
| 24 | ULTIMATE DRAINAGE STUDY (2 of 6) |
| 25 | ULTIMATE DRAINAGE STUDY (3 of 6) |
| 26 | ULTIMATE DRAINAGE STUDY (4 of 6) |
| 27 | ULTIMATE DRAINAGE STUDY (5 of 6) |
| 28 | ULTIMATE DRAINAGE STUDY (6 of 6) |
| 29 | DRAINAGE CALCS |
| 30 | TREE SURVEY |
| 31 | STREETLIGHT LAYOUT |


### ENGINEER'S CERTIFICATION

I, DUSTIN GOSS, P.E. #91805, AM AUTHORIZED UNDER THE LAWS OF THE STATE OF TEXAS TO PRACTICE THE PROFESSION OF ENGINEERING AND HEREBY CERTIFY THAT THIS (THE RIDGE AT BLACKHAWK PHASE 2 PRELIMINARY PLAN) IS FEASIBLE FROM AN ENGINEERING STANDPOINT, COMPLIES WITH THE ENGINEERING RELATED PORTIONS OF CHAPTER 482 OF THE TRAVIS COUNTY LAND DEVELOPMENT CODE, IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND DO HEREBY CERTIFY THAT THIS IS NOT IN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008 AND THAT EACH LOT CONFORMS TO THE CITY OF PFLUGERVILLE AND TRAVIS COUNTY REGULATIONS.

THE FULLY DEVELOPED, CONCENTRATED STORMWATER RUNOFF RESULTING FROM THE ONE HUNDRED (100) YEAR FREQUENCY STORM IS CONTAINED WITHIN THE DRAINAGE EASEMENTS SHOWN AND/OR PUBLIC RIGHTS-OF-WAY DEDICATED BY THIS PLAT.

TO CERTIFY WHICH, WITNESS MY HAND AND SEAL AT PFLUGERVILLE, TRAVIS COUNTY, TEXAS, THIS 18TH DAY OF AUGUST, 2025.

STATE OF TEXAS — DUSTIN J. GOSS — 91805 — LICENSED PROFESSIONAL ENGINEER

PAPE-DAWSON ENGINEERS
DUSTIN GOSS, P.E. # 91805
VICE PRESIDENT

### SURVEYOR'S CERTIFICATION

STATE OF TEXAS:
KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF TRAVIS:
THAT I, PARKER GRAHAM, RPLS #5556, AM AUTHORIZED UNDER THE LAWS OF THE STATE OF TEXAS TO PRACTICE THE PROFESSION OF SURVEYING AND HEREBY CERTIFY THAT THIS PLAN COMPLIES WITH THE SURVEYING RELATED PORTIONS OF CHAPTER 482 OF THE TRAVIS COUNTY LAND DEVELOPMENT CODE, IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, WAS PREPARED FROM AN ACTUAL ON THE GROUND SURVEY OF THE PROPERTY AND THAT THE CORNER MONUMENTS SHOWN THEREON MARKING THE BOUNDARY OF THE PROPOSED SUBDIVISION, BUT NOT INTERIOR LOT LINES, WERE PROPERLY PLACED UNDER MY DIRECTION AND SUPERVISION, IN ACCORDANCE WITH ALL CITY OF PFLUGERVILLE AND TRAVIS COUNTY, TEXAS CODES AND ORDINANCES AND THAT ALL KNOWN EASEMENTS WITHIN THE BOUNDARY OF THE PLAT ARE SHOWN HEREON.

STATE OF TEXAS — PARKER GRAHAM — 5556 — REGISTERED PROFESSIONAL LAND SURVEYOR

PAPE-DAWSON ENGINEERS
PARKER GRAHAM, R.P.L.S. #5556
REGISTERED PROFESSIONAL LAND SURVEYOR

08/18/2025

### REVIEWED BY:

DATE

PLANNING AND DEVELOPMENT SERVICES DIRECTOR, CITY OF PFLUGERVILLE
DEVELOPMENT SERVICES ENGINEERING, CITY OF PFLUGERVILLE

TRAVIS COUNTY — DATE

LAKESIDE MUD NO. 5 — DATE

**PRELIMINARY SUBDIVISION APPROVAL**

SUBDIVISION NUMBER: S-24-229

APPLICATION DATE:

ADMINISTRATIVE APPROVAL ON:

PRELIMINARY PLAN EXPIRATION DATE:

CYNTHIA C. McDONALD, COUNTY EXECUTIVE, TNR — DATE

All Final Plats must be recorded or have Alternative Fiscal approved before the Preliminary Plan Expiration Date. Revisions do not extend the expiration date. If the Preliminary Plan expires, unplatted land is subject to current regulations for development.



PD JOB NO. 51443-00

THE RIDGE AT BLACKHAWK PHASE 2

Date: Aug 18, 2025, 8:53am User ID: andrew.cole
File: H:\Projects\514\43\00\212 Preliminary\Civil\C551443-00.dwg

THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.

## STREET TABLE

| NAME | LENGTH (FT) | ROW (FT) | ROW (AC) | PVMT (FT) | X-SECTION | SIDEWALK | TYPE |
|---|---|---|---|---|---|---|---|
| BARLEY BREAK WAY | 793 | 50 | 1.14 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| BEAU CAMP LANE | 2093 | 50 | 2.40 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| BLEVIN WAY | 792 | 50 | 0.86 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| BOYINGTON DRIVE | 1682 | 50 | 1.92 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| BROTHERTON WAY | 3057 | 50 | 3.42 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| CAMBER WAY | 2909 | 50 | 3.27 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| CHILWELL LANE | 485 | 50 | 0.52 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| GATE DANCER LANE | 155 | 50 | 0.16 | 27 | CURB & GUTTER | 4' WIDE | PRIVATE |
| HAMMERSMITH LANE | 1139 | 50 | 1.27 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| ILIAD PATH | 661 | 50 | 0.75 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| INFANTA LANE | 790 | 50 | 0.92 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| MICHAELS GLADE DRIVE | 739 | 50 | 0.81 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| MUSTANG BLISS LANE | 1963 | 50 | 2.41 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| PALE SEDGE LANE | 349 | 50 | 0.36 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| PRAETORIAN LANE | 510 | 50 | 0.53 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| PULLER LANE | 642 | 50 | 0.70 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| ROBESON LANE | 868 | 50 | 1.03 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| SAINT PASCAL COVE | 166 | 50 | 0.36 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| SAN ACACIA TRACE | 3193 | 60 | 4.34 | 37 | CURB & GUTTER | 6' WIDE | COLLECTOR |
| SANDREED WAY | 412 | 50 | 0.49 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| SAVRO COVE | 275 | 50 | 0.49 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| SHELDRAKE LANE | 721 | 50 | 0.90 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| SORENSON LANE | 649 | 50 | 0.76 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| SPADEFOOT LANE | 2276 | 50 | 2.58 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| SPARKY COVE | 193 | 50 | 0.43 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| SPEIDEL DRIVE | 4971 | 70 | 8.00 | 47 | CURB & GUTTER | 6' WIDE | MAJOR COLLECTOR |
| STINGRAY LANE | 670 | 50 | 0.74 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| TREMBLAY LANE | 688 | 50 | 0.75 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |
| TRUESDELL TRAIL | 1710 | 50 | 2.10 | 27 | CURB & GUTTER | 4' WIDE | LOCAL |

TOTAL STREET LENGTH = 35,551 LF

## LAND USE SUMMARY

| BLOCKS | | 24 |
|---|---|---|
| | ACREAGE | LOTS |
| RIGHT-OF-WAY (INTERNAL) | 44.15 | – |
| OPEN SPACE, EASEMENTS & PRIVATE LOTS | 61.73 | 33 |
| SINGLE FAMILY LOTS | 132.74 | 634 |
| COMMUNITY SERVICE | 4.86 | 1 |
| COMMUNITY RECREATIONAL | 6.78 | 1 |
| TOTAL | 250.26 | 669 |

## PHASING AND LOT COUNTS

| SECTION NAME | AREA (ACRES) | SINGLE FAMILY LOTS | OPEN SPACE, EASEMENTS, PRIVATE LOTS | ROW (INTERNAL) (ACRES) |
|---|---|---|---|---|
| SECTION 1 | 43.21 | 94 | 7 | 7.25 |
| SECTION 2 | 51.95 | 113 | 5 | 10.26 |
| SECTION 3 | 71.92 | 122 | 5 | 13.61 |
| SECTION 4 | 36.29 | 126 | 10 | 5.64 |
| SECTION 5 | 26.64 | 108 | 2 | 3.01 |
| SECTION 6 | 20.35 | 71 | 4 | 4.38 |
| TOTAL | 250.36 | 634 | 33 | 44.15 |

## MUD 5 PARKLAND DEDICATION TABLE

| PROJECT | ACREAGE | *PARKLAND REQUIRED (ACREAGE) | PARKLAND DEDICATED (ACREAGE) | PARKLAND LOCATION | PARKLAND EXCESS (+) DEFICIT (-) | TOTAL AVAILABLE TO USE ON OTHER PROJECTS |
|---|---|---|---|---|---|---|
| THE RIDGE AT BLACKHAWK PHASE 2 | 250.36 | 25.04 | 58.20 | | 33.16 | 35.23 |
| SECTION 1 | 43.21 | 4.32 | 14.58 | A1,A13,A22,B1,B13,C31,E1 | 10.26 | 10.26 |
| SECTION 2 | 51.95 | 5.20 | 9.42 | C53,D9,E20,H5 | 4.23 | 4.23 |
| SECTION 3 | 71.92 | 7.19 | 25.80 | V1,V39,Q1,T12 | 18.61 | 18.61 |
| SECTION 4 | 36.29 | 3.63 | 5.77 | M1,M23,M32,M40,M51,**M52, Q55,**Q56,Q23,O1 | 2.14 | 2.14 |
| SECTION 5 | 26.64 | 2.66 | 1.32 | L18,P17 | –1.34 | |
| SECTION 6 | 20.35 | 2.04 | 1.31 | E63, K1, L1 | –0.73 | |

*10% OF TOTAL ACREAGE
**50% OF AREA WITHIN LCRA EASEMENT
NOTE: 12.13 AC AND 45.05 AC PREVIOUSLY DEDICATED VIA RIDGE AT BLACKHAWK PHASE 1 AND GROVE AT BLACKHAWK SEC 1–5 FINAL PLATS, RESPECTIVELY. (SEE NOTE 46 COVER SHEET)

**PRELIMINARY SUBDIVISION APPROVAL**

SUBDIVISION NUMBER: S-24-229

APPLICATION DATE:

ADMINISTRATIVE APPROVAL ON:

PRELIMINARY PLAN EXPIRATION DATE:

CYNTHIA C. McDONALD, COUNTY EXECUTIVE, TNR DATE

All Final Plats must be recorded or have Alternative Fiscal approved before the Preliminary Plan Expiration Date. Revisions do not extend the expiration date. If the Preliminary Plan expires, unplatted land is subject to current regulations for development.

| NO. | REVISION | DATE |
|---|---|---|

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025

PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 | AUSTIN, TX 78759 | 512.454.8711
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM # 100288800

# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## DEVELOPMENT TABLES

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 2 of 31

Date: Aug 18, 2025, 8:54am User ID: andrew.coyle
File: H:\Projects\514\43\00\212 Preliminary\Civil\CS51443-00.dwg

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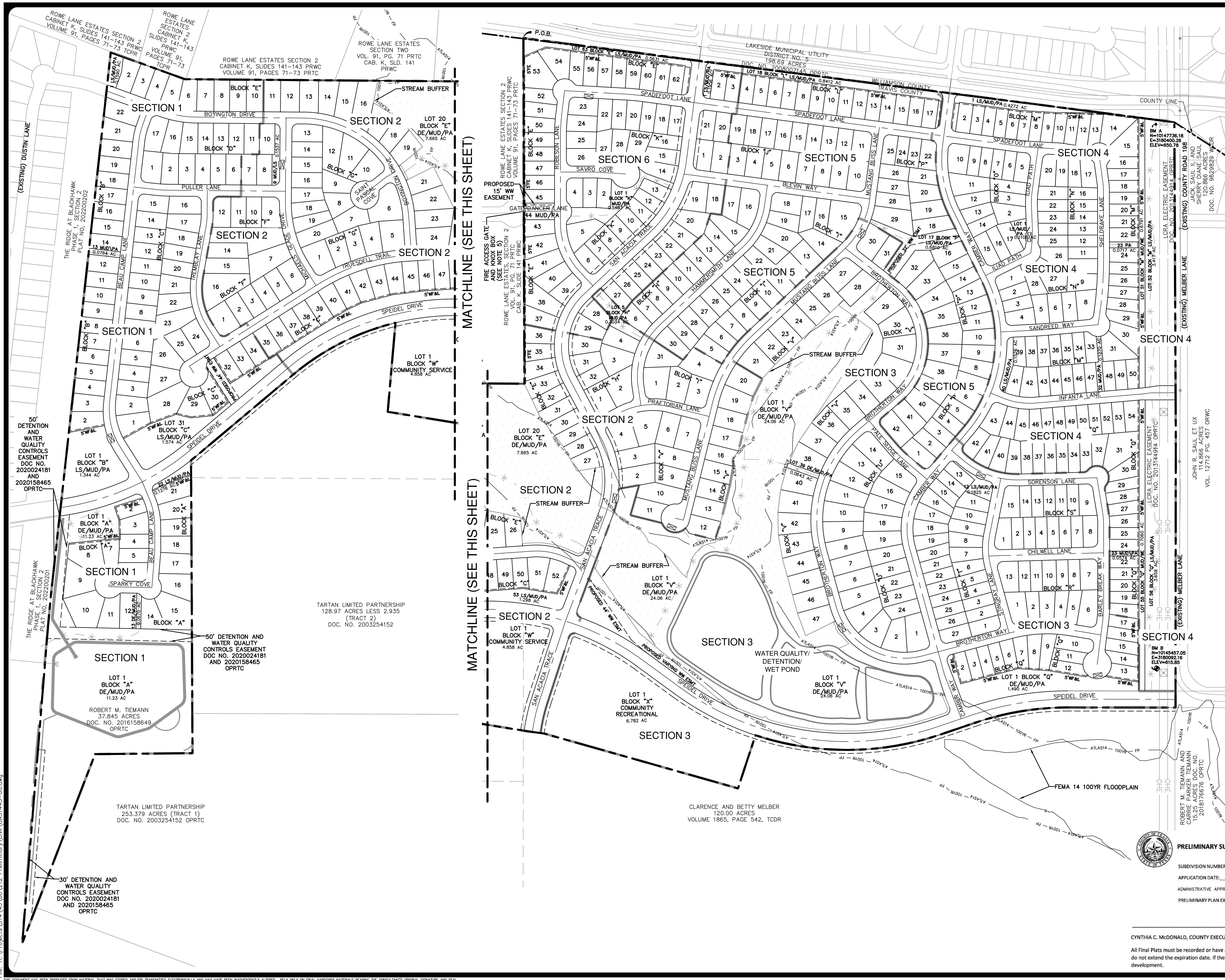


## LEGEND

| | |
|---|---|
| (heavy solid line) | PROPERTY BOUNDARY |
| (heavy dashed grey line) | SECTION BOUNDARY |
| — * — * — | 10' HIKE AND BIKE TRAIL |
| (solid line) | RIGHT–OF–WAY |
| (long dash line) | ROAD CENTER LINE (CL) |
| (thin line) | LOT LINE |
| — FP — FEMA — 100YR — | FEMA 100YR FLOODPLAIN |
| ATLAS14 — 100YR — FP | ATLAS 14 100YR FLOODPLAIN |
| —OHE—[X]—OHE— | EXISTING OVERHEAD ELECTRIC LINE AND ELECTRIC TOWER |
| [X] | PROPOSED MAIL BOX UNITS |
| LS/MUD/PA | LANDSCAPE BUFFER/ LAKESIDE MUD 5/ PUBLIC ACCESS |
| MUD/WE | LAKESIDE MUD 5/WATER EASEMENT |
| MUD/PA | LAKESIDE MUD 5/PUBLIC ACCESS |
| DE/MUD/PA | DRAINAGE EASEMENT/ LAKESIDE MUD 5/ PUBLIC ACCESS |
| FE | FENCE EASEMENT |
| WF&L | WALL, FENCE, & LANDSCAPE EASEMENT |
| (stippled box) | STREAM BUFFER |

## NOTES

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE ASSOCIATED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. SEE SHEET 4 – 5 FOR LAND USE AND STREET SUMMARY TABLES, PARCEL LOT TABLES, AND SITE BOUNDARY CURVE TABLE.
3. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.
4. ALL OPEN SPACE LOTS TO BE OWNED AND MAINTAINED BY LAKESIDE MUD NO. 5.
5. ACCESS TO GATE DANCER LANE WEST OF THE RIDGE AT BLACKHAWK PHASE 2 PROPERTY SHALL BE RESTRICTED TO FIRE AND EMERGENCY VEHICLES ONLY. A FIRE ACCESS GATE AND KNOX BOX SHALL BE INSTALLED DURING CONSTRUCTION OF GATE DANCER LANE TO PROHIBIT DAILY TRAFFIC WEST OF THE PROPERTY.

**PRELIMINARY SUBDIVISION APPROVAL**

SUBDIVISION NUMBER: S–24–229

APPLICATION DATE:

ADMINISTRATIVE APPROVAL ON:

PRELIMINARY PLAN EXPIRATION DATE:

CYNTHIA C. McDONALD, COUNTY EXECUTIVE, TNR    DATE

All Final Plats must be recorded or have Alternative Fiscal approved before the Preliminary Plan Expiration Date. Revisions do not extend the expiration date. If the Preliminary Plan expires, unplatted land is subject to current regulations for development.

| NO. | REVISION | DATE |
|---|---|---|

STATE OF TEXAS · DUSTIN J. GOSS · 91805 · LICENSED PROFESSIONAL ENGINEER · 08/18/2025

**PAPE–DAWSON**
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800

# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
CITY OF PFLUGERVILLE ETJ, TEXAS

OVERALL PRELIMINARY PLAN

CITY NO. PP2024–000105
JOB NO. 51443–00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 3 of 31

Date: Aug 18, 2025, 8:54am User ID: andrew.cagle
File: H:\Projects\514\43\00\212 Preliminary\Civil\OA51443–00.dwg

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| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 1 DE/MUD/PA/LS | 1 | A | 489391 | 11.23 |
| SEC 1 SF | 2 | A | 7657 | 0.18 |
| SEC 1 SF | 3 | A | 9769 | 0.22 |
| SEC 1 SF | 4 | A | 7500 | 0.17 |
| SEC 1 SF | 5 | A | 7518 | 0.17 |
| SEC 1 SF | 6 | A | 9170 | 0.21 |
| SEC 1 SF | 7 | A | 8699 | 0.20 |
| SEC 1 SF | 8 | A | 16853 | 0.39 |
| SEC 1 SF | 9 | A | 15120 | 0.35 |
| SEC 1 SF | 10 | A | 19296 | 0.44 |
| SEC 1 SF | 11 | A | 10492 | 0.24 |
| SEC 1 SF | 12 | A | 10493 | 0.24 |
| SEC 1 DE/MUD/PA | 13 | A | 2917 | 0.07 |
| SEC 1 SF | 14 | A | 10596 | 0.24 |
| SEC 1 SF | 15 | A | 18891 | 0.43 |
| SEC 1 SF | 16 | A | 12674 | 0.29 |
| SEC 1 SF | 17 | A | 11687 | 0.27 |
| SEC 1 SF | 18 | A | 9406 | 0.22 |
| SEC 1 SF | 19 | A | 9477 | 0.22 |
| SEC 1 SF | 20 | A | 10830 | 0.25 |
| SEC 1 SF | 21 | A | 12352 | 0.28 |
| SEC 1 LS/MUD/PA | 22 | A | 5577 | 0.13 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 1 LS/MUD/PA | 1 | B | 58549 | 1.34 |
| SEC 1 SF | 2 | B | 10501 | 0.24 |
| SEC 1 SF | 3 | B | 9429 | 0.22 |
| SEC 1 SF | 4 | B | 8588 | 0.20 |
| SEC 1 SF | 5 | B | 8596 | 0.20 |
| SEC 1 SF | 6 | B | 8603 | 0.20 |
| SEC 1 SF | 7 | B | 8611 | 0.20 |
| SEC 1 SF | 8 | B | 8619 | 0.20 |
| SEC 1 SF | 9 | B | 8626 | 0.20 |
| SEC 1 SF | 10 | B | 8634 | 0.20 |
| SEC 1 SF | 11 | B | 8641 | 0.20 |
| SEC 1 SF | 12 | B | 9315 | 0.21 |
| SEC 1 MUD/PA | 13 | B | 3329 | 0.08 |
| SEC 1 SF | 14 | B | 8660 | 0.20 |
| SEC 1 SF | 15 | B | 8668 | 0.20 |
| SEC 1 SF | 16 | B | 9343 | 0.21 |
| SEC 1 SF | 17 | B | 8683 | 0.20 |
| SEC 1 SF | 18 | B | 8691 | 0.20 |
| SEC 1 SF | 19 | B | 8699 | 0.20 |
| SEC 1 SF | 20 | B | 9644 | 0.22 |
| SEC 1 SF | 21 | B | 10982 | 0.25 |
| SEC 1 SF | 22 | B | 11612 | 0.27 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 1 SF | 1 | C | 10613 | 0.24 |
| SEC 1 SF | 2 | C | 10022 | 0.23 |
| SEC 1 SF | 3 | C | 8450 | 0.19 |
| SEC 1 SF | 4 | C | 8450 | 0.19 |
| SEC 1 SF | 5 | C | 8450 | 0.19 |
| SEC 1 SF | 6 | C | 8450 | 0.19 |
| SEC 1 SF | 7 | C | 8450 | 0.19 |
| SEC 1 SF | 8 | C | 8450 | 0.19 |
| SEC 1 SF | 9 | C | 8450 | 0.19 |
| SEC 1 SF | 10 | C | 8450 | 0.19 |
| SEC 1 SF | 11 | C | 8450 | 0.19 |
| SEC 1 SF | 12 | C | 8450 | 0.19 |
| SEC 1 SF | 13 | C | 8450 | 0.19 |
| SEC 1 SF | 14 | C | 8839 | 0.20 |
| SEC 1 SF | 15 | C | 9297 | 0.21 |
| SEC 1 SF | 16 | C | 10220 | 0.23 |
| SEC 1 SF | 17 | C | 9940 | 0.23 |
| SEC 1 SF | 18 | C | 8995 | 0.21 |
| SEC 1 SF | 19 | C | 8722 | 0.20 |
| SEC 1 SF | 20 | C | 8451 | 0.19 |
| SEC 1 SF | 21 | C | 9575 | 0.22 |
| SEC 1 SF | 22 | C | 10623 | 0.24 |
| SEC 1 SF | 23 | C | 13635 | 0.31 |
| SEC 1 SF | 24 | C | 9698 | 0.22 |
| SEC 1 SF | 25 | C | 9466 | 0.22 |
| SEC 1 SF | 26 | C | 12666 | 0.29 |
| SEC 1 SF | 27 | C | 12470 | 0.29 |
| SEC 1 SF | 28 | C | 18188 | 0.42 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 1 SF | 29 | C | 12835 | 0.29 |
| SEC 1 SF | 30 | C | 10808 | 0.25 |
| SEC 1 LS/MUD/PA | 31 | C | 68573 | 1.57 |
| SEC 1 SF | 32 | C | 8450 | 0.19 |
| SEC 1 SF | 33 | C | 8450 | 0.19 |
| SEC 1 SF | 34 | C | 8450 | 0.19 |
| SEC 2 SF | 35 | C | 8450 | 0.19 |
| SEC 2 SF | 36 | C | 8450 | 0.19 |
| SEC 2 SF | 37 | C | 8450 | 0.19 |
| SEC 2 SF | 38 | C | 8450 | 0.19 |
| SEC 2 SF | 39 | C | 8450 | 0.19 |
| SEC 2 SF | 40 | C | 9118 | 0.21 |
| SEC 2 SF | 41 | C | 9118 | 0.21 |
| SEC 2 SF | 42 | C | 9390 | 0.22 |
| SEC 2 SF | 43 | C | 9394 | 0.22 |
| SEC 2 SF | 44 | C | 9291 | 0.21 |
| SEC 2 SF | 45 | C | 8757 | 0.20 |
| SEC 2 SF | 46 | C | 8452 | 0.19 |
| SEC 2 SF | 47 | C | 8450 | 0.19 |
| SEC 2 SF | 48 | C | 8450 | 0.19 |
| SEC 2 SF | 49 | C | 8450 | 0.19 |
| SEC 2 SF | 50 | C | 8443 | 0.19 |
| SEC 2 SF | 51 | C | 11162 | 0.26 |
| SEC 2 SF | 52 | C | 10312 | 0.24 |
| SEC 2 LS/MUD/PA | 53 | C | 56559 | 1.30 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 1 SF | 1 | D | 11043 | 0.25 |
| SEC 1 SF | 2 | D | 9258 | 0.21 |
| SEC 1 SF | 3 | D | 9100 | 0.21 |
| SEC 1 SF | 4 | D | 8450 | 0.19 |
| SEC 1 SF | 5 | D | 8450 | 0.19 |
| SEC 1 SF | 6 | D | 8450 | 0.19 |
| SEC 2 SF | 7 | D | 8450 | 0.19 |
| SEC 2 SF | 8 | D | 8450 | 0.19 |
| SEC 2 MUD/LS | 9 | D | 6694 | 0.15 |
| SEC 2 SF | 10 | D | 8450 | 0.19 |
| SEC 1 SF | 11 | D | 8450 | 0.19 |
| SEC 1 SF | 12 | D | 8450 | 0.19 |
| SEC 1 SF | 13 | D | 8450 | 0.19 |
| SEC 1 SF | 14 | D | 8450 | 0.19 |
| SEC 1 SF | 15 | D | 9150 | 0.21 |
| SEC 1 SF | 16 | D | 9840 | 0.23 |
| SEC 1 SF | 17 | D | 11243 | 0.26 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 1 LS/MUD/PA | 1 | E | 6928 | 0.16 |
| SEC 1 SF | 2 | E | 9219 | 0.21 |
| SEC 1 SF | 3 | E | 8743 | 0.20 |
| SEC 1 SF | 4 | E | 8743 | 0.20 |
| SEC 1 SF | 5 | E | 9347 | 0.21 |
| SEC 1 SF | 6 | E | 9425 | 0.22 |
| SEC 1 SF | 7 | E | 9679 | 0.22 |
| SEC 1 SF | 8 | E | 8908 | 0.20 |
| SEC 1 SF | 9 | E | 9588 | 0.22 |
| SEC 1 SF | 10 | E | 9755 | 0.22 |
| SEC 2 SF | 11 | E | 9734 | 0.22 |
| SEC 2 SF | 12 | E | 10822 | 0.25 |
| SEC 2 SF | 13 | E | 10915 | 0.25 |
| SEC 2 SF | 14 | E | 11395 | 0.26 |
| SEC 2 SF | 15 | E | 12601 | 0.29 |
| SEC 2 SF | 16 | E | 16144 | 0.37 |
| SEC 2 SF | 17 | E | 10807 | 0.25 |
| SEC 2 SF | 18 | E | 9235 | 0.21 |
| SEC 2 SF | 19 | E | 10117 | 0.23 |
| SEC 2 DE/MUD/PA | 20 | E | 329950 | 7.57 |
| SEC 2 SF | 21 | E | 10201 | 0.23 |
| SEC 2 SF | 22 | E | 13240 | 0.30 |
| SEC 2 SF | 23 | E | 12056 | 0.28 |
| SEC 2 SF | 24 | E | 12041 | 0.28 |
| SEC 2 SF | 25 | E | 13373 | 0.31 |
| SEC 2 SF | 26 | E | 9144 | 0.21 |
| SEC 2 SF | 27 | E | 8754 | 0.20 |
| SEC 2 SF | 28 | E | 7888 | 0.18 |
| SEC 2 SF | 29 | E | 7943 | 0.18 |
| SEC 2 SF | 30 | E | 8582 | 0.20 |
| SEC 2 SF | 31 | E | 9201 | 0.21 |
| SEC 2 SF | 32 | E | 9163 | 0.21 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 2 SF | 33 | E | 10539 | 0.24 |
| SEC 2 SF | 34 | E | 9594 | 0.22 |
| SEC 2 SF | 35 | E | 8677 | 0.20 |
| SEC 2 SF | 36 | E | 8863 | 0.20 |
| SEC 6 SF | 37 | E | 10198 | 0.23 |
| SEC 6 SF | 38 | E | 15000 | 0.34 |
| SEC 6 SF | 39 | E | 9562 | 0.22 |
| SEC 6 SF | 40 | E | 10799 | 0.25 |
| SEC 6 SF | 41 | E | 12614 | 0.29 |
| SEC 6 SF | 42 | E | 11470 | 0.26 |
| SEC 6 SF | 43 | E | 8650 | 0.20 |
| SEC 6 MUD/PA | 44 | E | 8708 | 0.20 |
| SEC 6 SF | 45 | E | 7526 | 0.17 |
| SEC 6 SF | 46 | E | 7814 | 0.18 |
| SEC 6 SF | 47 | E | 7823 | 0.18 |
| SEC 6 SF | 48 | E | 7831 | 0.18 |
| SEC 6 SF | 49 | E | 7929 | 0.18 |
| SEC 6 SF | 50 | E | 8397 | 0.19 |
| SEC 6 SF | 51 | E | 8480 | 0.19 |
| SEC 6 SF | 52 | E | 7965 | 0.18 |
| SEC 6 SF | 53 | E | 16450 | 0.38 |
| SEC 6 SF | 54 | E | 12966 | 0.30 |
| SEC 6 SF | 55 | E | 8281 | 0.19 |
| SEC 6 SF | 56 | E | 8415 | 0.19 |
| SEC 6 SF | 57 | E | 8137 | 0.19 |
| SEC 6 SF | 58 | E | 7863 | 0.18 |
| SEC 6 SF | 59 | E | 7892 | 0.18 |
| SEC 6 SF | 60 | E | 7631 | 0.18 |
| SEC 6 SF | 61 | E | 7500 | 0.17 |
| SEC 6 SF | 62 | E | 7500 | 0.17 |
| SEC 6 LS/MUD/PA | 63 | E | 24459 | 0.56 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 2 SF | 1 | F | 12204 | 0.28 |
| SEC 2 SF | 2 | F | 8450 | 0.19 |
| SEC 2 SF | 3 | F | 8450 | 0.19 |
| SEC 2 SF | 4 | F | 8450 | 0.19 |
| SEC 2 SF | 5 | F | 8450 | 0.19 |
| SEC 2 SF | 6 | F | 9680 | 0.22 |
| SEC 2 SF | 7 | F | 16608 | 0.38 |
| SEC 2 SF | 8 | F | 14376 | 0.33 |
| SEC 2 SF | 9 | F | 10049 | 0.23 |
| SEC 2 SF | 10 | F | 8450 | 0.19 |
| SEC 2 SF | 11 | F | 8450 | 0.19 |
| SEC 2 SF | 12 | F | 9689 | 0.22 |
| SEC 2 SF | 13 | F | 9912 | 0.23 |
| SEC 2 SF | 14 | F | 10991 | 0.25 |
| SEC 2 SF | 15 | F | 12069 | 0.28 |
| SEC 2 SF | 16 | F | 21205 | 0.49 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 2 SF | 1 | G | 13363 | 0.31 |
| SEC 2 SF | 2 | G | 10079 | 0.23 |
| SEC 2 SF | 3 | G | 9022 | 0.21 |
| SEC 2 SF | 4 | G | 10470 | 0.24 |
| SEC 2 SF | 5 | G | 12587 | 0.29 |
| SEC 2 SF | 6 | G | 16488 | 0.38 |
| SEC 2 SF | 7 | G | 10797 | 0.25 |
| SEC 2 SF | 8 | G | 9415 | 0.22 |
| SEC 2 SF | 9 | G | 9991 | 0.23 |
| SEC 2 SF | 10 | G | 12121 | 0.28 |
| SEC 2 SF | 11 | G | 14248 | 0.33 |
| SEC 2 SF | 12 | G | 14015 | 0.32 |
| SEC 2 SF | 13 | G | 9400 | 0.22 |
| SEC 2 SF | 14 | G | 8450 | 0.19 |
| SEC 2 SF | 15 | G | 8450 | 0.19 |
| SEC 2 SF | 16 | G | 8450 | 0.19 |
| SEC 2 SF | 17 | G | 7854 | 0.18 |
| SEC 2 SF | 18 | G | 8406 | 0.19 |
| SEC 2 SF | 19 | G | 8603 | 0.20 |
| SEC 2 SF | 20 | G | 11050 | 0.25 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 2 SF | 1 | H | 11406 | 0.26 |
| SEC 2 SF | 2 | H | 14334 | 0.33 |
| SEC 2 SF | 3 | H | 12677 | 0.29 |
| SEC 2 SF | 4 | H | 10208 | 0.23 |
| SEC 2 MUD/PA | 5 | H | 13192 | 0.30 |
| SEC 5 SF | 6 | H | 8853 | 0.20 |
| SEC 5 SF | 7 | H | 7742 | 0.18 |
| SEC 5 SF | 8 | H | 7740 | 0.18 |
| SEC 5 SF | 9 | H | 7740 | 0.18 |
| SEC 5 SF | 10 | H | 7740 | 0.18 |
| SEC 5 SF | 11 | H | 7740 | 0.18 |
| SEC 5 SF | 12 | H | 7740 | 0.18 |
| SEC 5 SF | 13 | H | 7740 | 0.18 |
| SEC 5 SF | 14 | H | 8710 | 0.20 |
| SEC 5 SF | 15 | H | 10586 | 0.24 |
| SEC 5 SF | 16 | H | 12416 | 0.29 |
| SEC 5 SF | 17 | H | 9460 | 0.22 |
| SEC 6 SF | 18 | H | 8765 | 0.20 |
| SEC 6 SF | 19 | H | 12089 | 0.28 |
| SEC 6 SF | 20 | H | 12124 | 0.28 |
| SEC 6 SF | 21 | H | 8960 | 0.21 |
| SEC 6 SF | 22 | H | 8370 | 0.19 |
| SEC 6 SF | 23 | H | 7800 | 0.18 |
| SEC 6 SF | 24 | H | 7800 | 0.18 |
| SEC 6 SF | 25 | H | 7800 | 0.18 |
| SEC 6 SF | 26 | H | 7799 | 0.18 |
| SEC 6 SF | 27 | H | 8342 | 0.19 |
| SEC 6 SF | 28 | H | 9736 | 0.22 |
| SEC 6 SF | 29 | H | 10085 | 0.23 |
| SEC 2 SF | 30 | H | 9817 | 0.23 |
| SEC 2 SF | 31 | H | 9338 | 0.21 |
| SEC 2 SF | 32 | H | 8033 | 0.18 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 2 SF | 1 | I | 13625 | 0.31 |
| SEC 2 SF | 2 | I | 12342 | 0.28 |
| SEC 2 SF | 3 | I | 11592 | 0.27 |
| SEC 2 SF | 4 | I | 14387 | 0.33 |
| SEC 5 SF | 5 | I | 8824 | 0.20 |
| SEC 5 SF | 6 | I | 8485 | 0.19 |
| SEC 5 SF | 7 | I | 8086 | 0.19 |
| SEC 5 SF | 8 | I | 8750 | 0.20 |
| SEC 5 SF | 9 | I | 8750 | 0.20 |
| SEC 5 SF | 10 | I | 8750 | 0.20 |
| SEC 5 SF | 11 | I | 8750 | 0.20 |
| SEC 5 SF | 12 | I | 10000 | 0.23 |
| SEC 5 SF | 13 | I | 10000 | 0.23 |
| SEC 5 SF | 14 | I | 11946 | 0.27 |
| SEC 5 SF | 15 | I | 18701 | 0.43 |
| SEC 5 SF | 16 | I | 8391 | 0.19 |
| SEC 5 SF | 17 | I | 8654 | 0.20 |
| SEC 5 SF | 18 | I | 10526 | 0.24 |
| SEC 5 SF | 19 | I | 8550 | 0.20 |
| SEC 5 SF | 20 | I | 11389 | 0.26 |
| SEC 5 SF | 21 | I | 9067 | 0.21 |
| SEC 5 SF | 22 | I | 8174 | 0.19 |
| SEC 5 SF | 23 | I | 7500 | 0.17 |
| SEC 5 SF | 24 | I | 7950 | 0.18 |
| SEC 5 SF | 25 | I | 7950 | 0.18 |
| SEC 5 SF | 26 | I | 7950 | 0.18 |
| SEC 5 SF | 27 | I | 7950 | 0.18 |
| SEC 5 SF | 28 | I | 8363 | 0.19 |
| SEC 5 SF | 29 | I | 8324 | 0.19 |
| SEC 5 SF | 30 | I | 9690 | 0.22 |
| SEC 2 SF | 31 | I | 11228 | 0.26 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 6 SF | 1 | J | 9618 | 0.22 |
| SEC 6 SF | 2 | J | 9530 | 0.22 |
| SEC 5 SF | 3 | J | 9399 | 0.22 |
| SEC 5 SF | 4 | J | 9399 | 0.22 |
| SEC 5 SF | 5 | J | 9399 | 0.22 |
| SEC 5 SF | 6 | J | 9399 | 0.22 |
| SEC 5 SF | 7 | J | 9399 | 0.22 |
| SEC 5 SF | 8 | J | 9399 | 0.22 |
| SEC 5 SF | 9 | J | 9399 | 0.22 |
| SEC 5 SF | 10 | J | 10266 | 0.24 |
| SEC 5 SF | 11 | J | 9866 | 0.23 |
| SEC 5 SF | 12 | J | 8125 | 0.19 |
| SEC 5 SF | 13 | J | 8125 | 0.19 |
| SEC 5 SF | 14 | J | 8125 | 0.19 |
| SEC 5 SF | 15 | J | 8125 | 0.19 |
| SEC 5 SF | 16 | J | 8125 | 0.19 |
| SEC 5 SF | 17 | J | 8125 | 0.19 |
| SEC 5 SF | 18 | J | 8125 | 0.19 |
| SEC 5 SF | 19 | J | 8125 | 0.19 |
| SEC 6 SF | 20 | J | 8125 | 0.19 |
| SEC 6 SF | 21 | J | 8614 | 0.20 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 6 MUD/PA | 1 | K | 23902 | 0.55 |
| SEC 6 SF | 2 | K | 7493 | 0.17 |
| SEC 6 SF | 3 | K | 7322 | 0.17 |
| SEC 6 SF | 4 | K | 8308 | 0.19 |
| SEC 6 SF | 5 | K | 12341 | 0.28 |
| SEC 6 SF | 6 | K | 8374 | 0.19 |
| SEC 6 SF | 7 | K | 7500 | 0.17 |
| SEC 6 SF | 8 | K | 7500 | 0.17 |
| SEC 6 SF | 9 | K | 7500 | 0.17 |
| SEC 6 SF | 10 | K | 7452 | 0.17 |
| SEC 6 SF | 11 | K | 6898 | 0.16 |
| SEC 6 SF | 12 | K | 6898 | 0.16 |
| SEC 6 SF | 13 | K | 6898 | 0.16 |
| SEC 6 SF | 14 | K | 9918 | 0.23 |
| SEC 6 SF | 15 | K | 9123 | 0.21 |
| SEC 6 SF | 16 | K | 7966 | 0.18 |
| SEC 6 SF | 17 | K | 7971 | 0.18 |
| SEC 6 SF | 18 | K | 7500 | 0.17 |
| SEC 6 SF | 19 | K | 7523 | 0.17 |
| SEC 6 SF | 20 | K | 7807 | 0.18 |
| SEC 6 SF | 21 | K | 7552 | 0.17 |
| SEC 6 SF | 22 | K | 8053 | 0.18 |
| SEC 6 SF | 23 | K | 9166 | 0.21 |
| SEC 6 SF | 24 | K | 8726 | 0.20 |
| SEC 6 SF | 25 | K | 9054 | 0.21 |
| SEC 6 SF | 26 | K | 9189 | 0.21 |
| SEC 6 SF | 27 | K | 9877 | 0.23 |
| SEC 6 SF | 28 | K | 9515 | 0.22 |
| SEC 6 SF | 29 | K | 11063 | 0.25 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 6 LS/MUD/PA | 1 | L | 8513 | 0.20 |
| SEC 6 SF | 2 | L | 7500 | 0.17 |
| SEC 6 SF | 3 | L | 7500 | 0.17 |
| SEC 5 SF | 4 | L | 7500 | 0.17 |
| SEC 5 SF | 5 | L | 7500 | 0.17 |
| SEC 5 SF | 6 | L | 7500 | 0.17 |
| SEC 5 SF | 7 | L | 7500 | 0.17 |
| SEC 5 SF | 8 | L | 7500 | 0.17 |
| SEC 5 SF | 9 | L | 7500 | 0.17 |
| SEC 5 SF | 10 | L | 7500 | 0.17 |
| SEC 5 SF | 11 | L | 7500 | 0.17 |
| SEC 5 SF | 12 | L | 7500 | 0.17 |
| SEC 5 SF | 13 | L | 7500 | 0.17 |
| SEC 5 SF | 14 | L | 7500 | 0.17 |
| SEC 5 SF | 15 | L | 7500 | 0.17 |
| SEC 5 SF | 16 | L | 7500 | 0.17 |
| SEC 5 SF | 17 | L | 7494 | 0.17 |
| SEC 5 LS/MUD/PA | 18 | L | 28025 | 0.64 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 4 LS/MUD/PA | 1 | M | 18629 | 0.43 |
| SEC 4 SF | 2 | M | 7500 | 0.17 |
| SEC 4 SF | 3 | M | 6250 | 0.14 |
| SEC 4 SF | 4 | M | 6250 | 0.14 |
| SEC 4 SF | 5 | M | 6250 | 0.14 |
| SEC 4 SF | 6 | M | 6250 | 0.14 |
| SEC 4 SF | 7 | M | 6336 | 0.15 |
| SEC 4 SF | 8 | M | 6414 | 0.15 |
| SEC 4 SF | 9 | M | 6413 | 0.15 |
| SEC 4 SF | 10 | M | 6489 | 0.15 |
| SEC 4 SF | 11 | M | 6774 | 0.16 |
| SEC 4 SF | 12 | M | 7147 | 0.16 |
| SEC 4 SF | 13 | M | 6849 | 0.16 |
| SEC 4 SF | 14 | M | 12796 | 0.29 |
| SEC 4 SF | 15 | M | 13075 | 0.30 |
| SEC 4 SF | 16 | M | 6466 | 0.15 |
| SEC 4 SF | 17 | M | 6587 | 0.15 |
| SEC 4 SF | 18 | M | 6302 | 0.14 |
| SEC 4 SF | 19 | M | 6250 | 0.14 |
| SEC 4 SF | 20 | M | 6250 | 0.14 |
| SEC 4 SF | 21 | M | 6250 | 0.14 |
| SEC 4 SF | 22 | M | 7500 | 0.17 |
| SEC 4 MUD/PA | 23 | M | 3125 | 0.07 |
| SEC 4 SF | 24 | M | 7733 | 0.18 |
| SEC 4 SF | 25 | M | 6279 | 0.14 |
| SEC 4 SF | 26 | M | 6565 | 0.15 |
| SEC 4 SF | 27 | M | 6735 | 0.15 |
| SEC 4 SF | 28 | M | 7011 | 0.16 |
| SEC 4 SF | 29 | M | 7877 | 0.18 |
| SEC 4 SF | 30 | M | 10360 | 0.24 |
| SEC 4 SF | 31 | M | 12037 | 0.28 |
| SEC 4 MUD/PA | 32 | M | 5424 | 0.12 |
| SEC 4 SF | 33 | M | 6266 | 0.14 |
| SEC 4 SF | 34 | M | 6592 | 0.15 |
| SEC 4 SF | 35 | M | 6574 | 0.15 |
| SEC 4 SF | 36 | M | 6584 | 0.15 |
| SEC 4 SF | 37 | M | 6758 | 0.16 |
| SEC 4 SF | 38 | M | 6536 | 0.15 |
| SEC 4 SF | 39 | M | 6482 | 0.15 |
| SEC 4 LS/MUD/PA | 40 | M | 6649 | 0.15 |
| SEC 4 SF | 41 | M | 6845 | 0.16 |
| SEC 4 SF | 42 | M | 8758 | 0.20 |
| SEC 4 SF | 43 | M | 6250 | 0.14 |
| SEC 4 SF | 44 | M | 6250 | 0.14 |
| SEC 4 SF | 45 | M | 6250 | 0.14 |
| SEC 4 SF | 46 | M | 6250 | 0.14 |
| SEC 4 SF | 47 | M | 6250 | 0.14 |
| SEC 4 SF | 48 | M | 6250 | 0.14 |
| SEC 4 SF | 49 | M | 6250 | 0.14 |
| SEC 4 SF | 50 | M | 6646 | 0.15 |
| SEC 4 MUD/WE | 51 | M | 28526 | 0.65 |
| SEC 4 LS/MUD/PA | 52 | M | 142291 | 3.27 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 4 SF | 1 | N | 7907 | 0.18 |
| SEC 4 SF | 2 | N | 6590 | 0.15 |
| SEC 4 SF | 3 | N | 6584 | 0.15 |
| SEC 4 SF | 4 | N | 7838 | 0.18 |
| SEC 4 SF | 5 | N | 7795 | 0.18 |
| SEC 4 SF | 6 | N | 7500 | 0.17 |
| SEC 4 SF | 7 | N | 7500 | 0.17 |
| SEC 4 SF | 8 | N | 9630 | 0.22 |
| SEC 4 SF | 9 | N | 9152 | 0.21 |
| SEC 4 SF | 10 | N | 7723 | 0.18 |
| SEC 4 SF | 11 | N | 6264 | 0.14 |
| SEC 4 SF | 12 | N | 6263 | 0.14 |
| SEC 4 SF | 13 | N | 6274 | 0.14 |
| SEC 4 SF | 14 | N | 6264 | 0.14 |
| SEC 4 SF | 15 | N | 6255 | 0.14 |
| SEC 4 SF | 16 | N | 6384 | 0.15 |
| SEC 4 SF | 17 | N | 7530 | 0.17 |
| SEC 4 SF | 18 | N | 6745 | 0.15 |
| SEC 4 SF | 19 | N | 6859 | 0.16 |
| SEC 4 SF | 20 | N | 8506 | 0.20 |
| SEC 4 SF | 21 | N | 6995 | 0.16 |
| SEC 4 SF | 22 | N | 6453 | 0.15 |
| SEC 4 SF | 23 | N | 6355 | 0.15 |
| SEC 4 SF | 24 | N | 6255 | 0.14 |
| SEC 4 SF | 25 | N | 6257 | 0.14 |
| SEC 4 SF | 26 | N | 8991 | 0.21 |
| SEC 4 SF | 27 | N | 13751 | 0.32 |
| SEC 4 SF | 28 | N | 8597 | 0.20 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 4 LS/MUD/PA | 1 | O | 4825 | 0.11 |
| SEC 4 SF | 2 | O | 9689 | 0.22 |
| SEC 4 SF | 3 | O | 7505 | 0.17 |
| SEC 4 SF | 4 | O | 7792 | 0.18 |
| SEC 4 SF | 5 | O | 7385 | 0.17 |
| SEC 4 SF | 6 | O | 6250 | 0.14 |
| SEC 4 SF | 7 | O | 6250 | 0.14 |
| SEC 4 SF | 8 | O | 6250 | 0.14 |
| SEC 4 SF | 9 | O | 6250 | 0.14 |
| SEC 4 SF | 10 | O | 10692 | 0.25 |
| SEC 4 SF | 11 | O | 12659 | 0.29 |
| SEC 4 SF | 12 | O | 8240 | 0.19 |
| SEC 4 SF | 13 | O | 7611 | 0.17 |
| SEC 4 SF | 14 | O | 6844 | 0.16 |
| SEC 4 SF | 15 | O | 8373 | 0.19 |
| SEC 4 SF | 16 | O | 7205 | 0.17 |
| SEC 4 SF | 17 | O | 8369 | 0.19 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 5 SF | 1 | P | 9764 | 0.22 |
| SEC 5 SF | 2 | P | 8029 | 0.18 |
| SEC 5 SF | 3 | P | 7800 | 0.18 |
| SEC 5 SF | 4 | P | 8065 | 0.19 |
| SEC 5 SF | 5 | P | 8738 | 0.20 |
| SEC 5 SF | 6 | P | 8603 | 0.20 |
| SEC 5 SF | 7 | P | 8690 | 0.20 |
| SEC 5 SF | 8 | P | 8891 | 0.20 |
| SEC 5 SF | 9 | P | 8973 | 0.21 |
| SEC 5 SF | 10 | P | 8939 | 0.21 |
| SEC 5 SF | 11 | P | 8987 | 0.21 |
| SEC 5 SF | 12 | P | 9115 | 0.21 |
| SEC 5 SF | 13 | P | 8844 | 0.20 |
| SEC 5 SF | 14 | P | 7660 | 0.18 |
| SEC 5 SF | 15 | P | 8167 | 0.19 |
| SEC 5 SF | 16 | P | 9917 | 0.23 |
| SEC 5 LS/MUD/PA | 17 | P | 27423 | 0.63 |
| SEC 5 SF | 18 | P | 10771 | 0.25 |
| SEC 5 SF | 19 | P | 10482 | 0.24 |
| SEC 5 SF | 20 | P | 9916 | 0.23 |
| SEC 5 SF | 21 | P | 7251 | 0.17 |
| SEC 5 SF | 22 | P | 8472 | 0.19 |
| SEC 5 SF | 23 | P | 6250 | 0.14 |
| SEC 5 SF | 24 | P | 6250 | 0.14 |
| SEC 5 SF | 25 | P | 7366 | 0.17 |
| SEC 5 SF | 26 | P | 7500 | 0.17 |
| SEC 5 SF | 27 | P | 7938 | 0.18 |
| SEC 5 SF | 28 | P | 8896 | 0.20 |
| SEC 5 SF | 29 | P | 14116 | 0.32 |
| SEC 3 SF | 30 | P | 11891 | 0.27 |
| SEC 3 SF | 31 | P | 8782 | 0.20 |
| SEC 5 SF | 32 | P | 13456 | 0.31 |
| SEC 5 SF | 33 | P | 12946 | 0.30 |
| SEC 5 SF | 34 | P | 12120 | 0.28 |
| SEC 5 SF | 35 | P | 11415 | 0.26 |
| SEC 5 SF | 36 | P | 11556 | 0.27 |
| SEC 5 SF | 37 | P | 11316 | 0.26 |
| SEC 5 SF | 38 | P | 11372 | 0.26 |
| SEC 5 SF | 39 | P | 10885 | 0.25 |
| SEC 5 SF | 40 | P | 10786 | 0.25 |
| SEC 5 SF | 41 | P | 10405 | 0.24 |
| SEC 5 SF | 42 | P | 11644 | 0.27 |

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED
PROFESSIONAL ENGINEER
08/29/2025


PAPE–DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## SUMMARY AND LOT TABLES (1 OF 2)

**PRELIMINARY SUBDIVISION APPROVAL**

SUBDIVISION NUMBER: 5-24-229

APPLICATION DATE:

ADMINISTRATIVE APPROVAL ON:

PRELIMINARY PLAN EXPIRATION DATE:

CYNTHIA C. McDONALD, COUNTY EXECUTIVE, TNR DATE

All Final Plats must be recorded or have Alternative Fiscal approved before the Preliminary Plan Expiration Date. Revisions do not extend the expiration date. If the Preliminary Plan expires, unplatted land is subject to current regulations for development.

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 4 of 31

Date: Aug 29, 2025, 9:35am User ID: ndonis
File: I:\Projects\514\43\00\12 Preliminary\Civil\DC51443-00.dwg


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PP2024-000105

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 3 DE/MUD/PA | 1 | Q | 64906 | 1.49 |
| SEC 3 SF | 2 | Q | 6816 | 0.16 |
| SEC 3 SF | 3 | Q | 6500 | 0.15 |
| SEC 3 SF | 4 | Q | 6500 | 0.15 |
| SEC 3 SF | 5 | Q | 6500 | 0.15 |
| SEC 3 SF | 6 | Q | 7077 | 0.16 |
| SEC 3 SF | 7 | Q | 7341 | 0.17 |
| SEC 3 SF | 8 | Q | 7912 | 0.18 |
| SEC 3 SF | 9 | Q | 8115 | 0.19 |
| SEC 3 SF | 10 | Q | 9425 | 0.22 |
| SEC 3 SF | 11 | Q | 6845 | 0.16 |
| SEC 3 SF | 12 | Q | 7450 | 0.17 |
| SEC 3 SF | 13 | Q | 7712 | 0.18 |
| SEC 3 SF | 14 | Q | 6542 | 0.15 |
| SEC 3 SF | 15 | Q | 7394 | 0.17 |
| SEC 3 SF | 16 | Q | 6785 | 0.16 |
| SEC 3 SF | 17 | Q | 6480 | 0.15 |
| SEC 4 SF | 18 | Q | 6755 | 0.16 |
| SEC 4 SF | 19 | Q | 6548 | 0.15 |
| SEC 4 SF | 20 | Q | 6250 | 0.14 |
| SEC 4 SF | 21 | Q | 6250 | 0.14 |
| SEC 4 SF | 22 | Q | 6250 | 0.14 |
| SEC 4 MUD/PA | 23 | Q | 2500 | 0.06 |
| SEC 4 SF | 24 | Q | 6253 | 0.14 |
| SEC 4 SF | 25 | Q | 6257 | 0.14 |
| SEC 4 SF | 26 | Q | 6779 | 0.16 |
| SEC 4 SF | 27 | Q | 6903 | 0.16 |
| SEC 4 SF | 28 | Q | 7010 | 0.16 |
| SEC 4 SF | 29 | Q | 6712 | 0.15 |
| SEC 4 SF | 30 | Q | 9454 | 0.22 |
| SEC 4 SF | 31 | Q | 18125 | 0.42 |
| SEC 4 SF | 32 | Q | 8045 | 0.18 |
| SEC 4 SF | 33 | Q | 7389 | 0.17 |
| SEC 4 SF | 34 | Q | 7583 | 0.17 |
| SEC 4 SF | 35 | Q | 7439 | 0.17 |
| SEC 4 SF | 36 | Q | 7295 | 0.17 |
| SEC 4 SF | 37 | Q | 7151 | 0.16 |
| SEC 4 SF | 38 | Q | 7006 | 0.16 |
| SEC 4 SF | 39 | Q | 8047 | 0.18 |
| SEC 4 SF | 40 | Q | 8380 | 0.19 |
| SEC 4 SF | 41 | Q | 8087 | 0.19 |
| SEC 4 SF | 42 | Q | 8163 | 0.19 |
| SEC 4 SF | 43 | Q | 9911 | 0.23 |
| SEC 4 SF | 44 | Q | 7434 | 0.17 |
| SEC 4 SF | 45 | Q | 7531 | 0.17 |
| SEC 4 SF | 46 | Q | 6989 | 0.16 |
| SEC 4 SF | 47 | Q | 6500 | 0.15 |
| SEC 4 SF | 48 | Q | 6500 | 0.15 |
| SEC 4 SF | 49 | Q | 6500 | 0.15 |
| SEC 4 SF | 50 | Q | 6500 | 0.15 |
| SEC 4 SF | 51 | Q | 6500 | 0.15 |
| SEC 4 SF | 52 | Q | 6500 | 0.15 |
| SEC 4 SF | 53 | Q | 6500 | 0.15 |
| SEC 4 SF | 54 | Q | 8198 | 0.19 |
| SEC 4 MUD/WE | 55 | Q | 30733 | 0.71 |
| SEC 4 LS/MUD/PA | 56 | Q | 159393 | 3.66 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 3 SF | 1 | R | 10658 | 0.24 |
| SEC 3 SF | 2 | R | 7010 | 0.16 |
| SEC 3 SF | 3 | R | 8352 | 0.19 |
| SEC 3 SF | 4 | R | 7215 | 0.17 |
| SEC 3 SF | 5 | R | 7457 | 0.17 |
| SEC 3 SF | 6 | R | 11581 | 0.27 |
| SEC 3 SF | 7 | R | 9528 | 0.22 |
| SEC 3 SF | 8 | R | 6522 | 0.15 |
| SEC 3 SF | 9 | R | 6522 | 0.15 |
| SEC 3 SF | 10 | R | 7826 | 0.18 |
| SEC 3 SF | 11 | R | 6522 | 0.15 |
| SEC 3 SF | 12 | R | 6522 | 0.15 |
| SEC 3 SF | 13 | R | 10144 | 0.23 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 3 SF | 1 | S | 8607 | 0.20 |
| SEC 3 SF | 2 | S | 6732 | 0.15 |
| SEC 3 SF | 3 | S | 6732 | 0.15 |
| SEC 3 SF | 4 | S | 6732 | 0.15 |
| SEC 3 SF | 5 | S | 6732 | 0.15 |
| SEC 3 SF | 6 | S | 6732 | 0.15 |
| SEC 3 SF | 7 | S | 6732 | 0.15 |
| SEC 3 SF | 8 | S | 8152 | 0.19 |
| SEC 3 SF | 9 | S | 8712 | 0.20 |
| SEC 3 SF | 10 | S | 6699 | 0.15 |
| SEC 3 SF | 11 | S | 6699 | 0.15 |
| SEC 3 SF | 12 | S | 6699 | 0.15 |
| SEC 3 SF | 13 | S | 6699 | 0.15 |
| SEC 3 SF | 14 | S | 6699 | 0.15 |
| SEC 3 SF | 15 | S | 9941 | 0.23 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 3 SF | 1 | T | 7730 | 0.18 |
| SEC 3 SF | 2 | T | 6500 | 0.15 |
| SEC 3 SF | 3 | T | 6500 | 0.15 |
| SEC 3 SF | 4 | T | 6500 | 0.15 |
| SEC 3 SF | 5 | T | 6500 | 0.15 |
| SEC 3 SF | 6 | T | 7285 | 0.17 |
| SEC 3 SF | 7 | T | 7862 | 0.18 |
| SEC 3 SF | 8 | T | 8296 | 0.19 |
| SEC 3 SF | 9 | T | 7976 | 0.18 |
| SEC 3 SF | 10 | T | 7658 | 0.18 |
| SEC 3 SF | 11 | T | 8137 | 0.19 |
| SEC 3 LS/MUD/PA | 12 | T | 7948 | 0.18 |
| SEC 3 SF | 13 | T | 6453 | 0.15 |
| SEC 3 SF | 14 | T | 6500 | 0.15 |
| SEC 3 SF | 15 | T | 6702 | 0.15 |
| SEC 3 SF | 16 | T | 8040 | 0.18 |
| SEC 3 SF | 17 | T | 8091 | 0.19 |
| SEC 3 SF | 18 | T | 8103 | 0.19 |
| SEC 3 SF | 19 | T | 7733 | 0.18 |
| SEC 3 SF | 20 | T | 6806 | 0.16 |
| SEC 3 SF | 21 | T | 6500 | 0.15 |
| SEC 3 SF | 22 | T | 6500 | 0.15 |
| SEC 3 SF | 23 | T | 6500 | 0.15 |
| SEC 3 SF | 24 | T | 6500 | 0.15 |
| SEC 3 SF | 25 | T | 6500 | 0.15 |
| SEC 3 SF | 26 | T | 6500 | 0.15 |
| SEC 3 SF | 27 | T | 7730 | 0.18 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 3 SF | 1 | U | 13278 | 0.30 |
| SEC 3 SF | 2 | U | 11728 | 0.27 |
| SEC 3 SF | 3 | U | 11848 | 0.27 |
| SEC 3 SF | 4 | U | 12805 | 0.29 |
| SEC 3 SF | 5 | U | 11858 | 0.27 |
| SEC 3 SF | 6 | U | 11486 | 0.26 |
| SEC 3 SF | 7 | U | 11496 | 0.26 |
| SEC 3 SF | 8 | U | 11747 | 0.27 |
| SEC 3 SF | 9 | U | 12522 | 0.29 |
| SEC 3 SF | 10 | U | 12725 | 0.29 |
| SEC 3 SF | 11 | U | 12832 | 0.29 |
| SEC 3 SF | 12 | U | 12849 | 0.29 |
| SEC 3 SF | 13 | U | 12633 | 0.29 |
| SEC 3 SF | 14 | U | 13765 | 0.32 |
| SEC 3 SF | 15 | U | 11465 | 0.26 |
| SEC 3 SF | 16 | U | 10721 | 0.25 |
| SEC 3 SF | 17 | U | 11157 | 0.26 |
| SEC 3 SF | 18 | U | 11125 | 0.26 |
| SEC 3 SF | 19 | U | 10859 | 0.25 |
| SEC 3 SF | 20 | U | 9628 | 0.22 |
| SEC 3 SF | 21 | U | 9052 | 0.21 |
| SEC 3 SF | 22 | U | 9060 | 0.21 |
| SEC 3 SF | 23 | U | 9068 | 0.21 |
| SEC 3 SF | 24 | U | 8444 | 0.19 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 3 DE/MUD/PA | 1 | V | 1048172 | 24.06 |
| SEC 2 SF | 2 | V | 12591 | 0.29 |
| SEC 2 SF | 3 | V | 12896 | 0.30 |
| SEC 2 SF | 4 | V | 13995 | 0.32 |
| SEC 2 SF | 5 | V | 14998 | 0.34 |
| SEC 2 SF | 6 | V | 11191 | 0.26 |
| SEC 2 SF | 7 | V | 12466 | 0.29 |
| SEC 2 SF | 8 | V | 12800 | 0.29 |
| SEC 2 SF | 9 | V | 11200 | 0.26 |
| SEC 2 SF | 10 | V | 13974 | 0.32 |
| SEC 2 SF | 11 | V | 10473 | 0.24 |
| SEC 2 SF | 12 | V | 10232 | 0.23 |
| SEC 2 SF | 13 | V | 10400 | 0.24 |
| SEC 2 SF | 14 | V | 10400 | 0.24 |
| SEC 2 SF | 15 | V | 10200 | 0.23 |
| SEC 2 SF | 16 | V | 8276 | 0.19 |
| SEC 2 SF | 17 | V | 10400 | 0.24 |
| SEC 2 SF | 18 | V | 10221 | 0.23 |
| SEC 2 SF | 19 | V | 11917 | 0.27 |
| SEC 2 SF | 20 | V | 12218 | 0.28 |
| SEC 3 SF | 21 | V | 12749 | 0.29 |
| SEC 3 SF | 22 | V | 10406 | 0.24 |
| SEC 3 SF | 23 | V | 10405 | 0.24 |
| SEC 3 SF | 24 | V | 10404 | 0.24 |
| SEC 3 SF | 25 | V | 10402 | 0.24 |
| SEC 3 SF | 26 | V | 10401 | 0.24 |
| SEC 3 SF | 27 | V | 12383 | 0.28 |
| SEC 3 SF | 28 | V | 12158 | 0.28 |
| SEC 3 SF | 29 | V | 12659 | 0.29 |
| SEC 3 SF | 30 | V | 13132 | 0.30 |
| SEC 3 SF | 31 | V | 13162 | 0.30 |
| SEC 3 SF | 32 | V | 13340 | 0.31 |
| SEC 3 SF | 33 | V | 12702 | 0.29 |
| SEC 3 SF | 34 | V | 11200 | 0.26 |
| SEC 3 SF | 35 | V | 13142 | 0.30 |
| SEC 3 SF | 36 | V | 12052 | 0.28 |
| SEC 3 SF | 37 | V | 12013 | 0.28 |
| SEC 3 SF | 38 | V | 12227 | 0.28 |
| SEC 3 DE/MUD/PA | 39 | V | 2800 | 0.06 |
| SEC 3 SF | 40 | V | 12003 | 0.28 |
| SEC 3 SF | 41 | V | 12003 | 0.28 |
| SEC 3 SF | 42 | V | 12003 | 0.28 |
| SEC 3 SF | 43 | V | 12176 | 0.28 |
| SEC 3 SF | 44 | V | 11201 | 0.26 |
| SEC 3 SF | 45 | V | 11200 | 0.26 |
| SEC 3 SF | 46 | V | 11200 | 0.26 |
| SEC 3 SF | 47 | V | 12205 | 0.28 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 2 COM SER | 1 | W | 211624 | 4.86 |

| LOT TABLE | | | | |
|---|---|---|---|---|
| SECTION, TYPE | LOT # | BLOCK | SQFT | AC |
| SEC 3 COM REC | 1 | X | 295403 | 6.78 |

| CURVE TABLE | | | | | |
|---|---|---|---|---|---|
| CURVE # | RADIUS | DELTA | CHORD BEARING | CHORD | LENGTH |
| C1 | 25.00' | 098°48'36" | N24°44'54"E | 37.97' | 43.11' |
| C2 | 25.00' | 087°17'01" | S68°17'55"E | 34.51' | 38.08' |
| C3 | 25.00' | 091°51'00" | S60°34'54"E | 35.92' | 40.08' |
| C4 | 25.00' | 066°33'28" | S35°15'33"W | 27.44' | 29.04' |
| C5 | 275.00' | 004°34'18" | N10°13'05"E | 21.94' | 21.94' |
| C6 | 25.00' | 086°35'17" | N55°47'53"E | 34.29' | 37.78' |
| C7 | 25.00' | 063°14'20" | S49°17'19"E | 26.21' | 27.59' |
| C8 | 60.00' | 027°59'16" | S31°39'46"E | 29.02' | 29.31' |
| C9 | 60.00' | 057°43'34" | S84°31'26"W | 57.93' | 60.45' |
| C10 | 25.00' | 023°22'42" | S87°24'10"W | 10.13' | 10.20' |
| C11 | 25.00' | 004°50'31" | N78°29'14"W | 2.11' | 2.11' |
| C12 | 25.00' | 042°42'47" | N54°42'35"W | 18.21' | 18.64' |
| C13 | 50.00' | 005°53'49" | S36°18'05"E | 5.14' | 5.15' |
| C14 | 25.00' | 037°26'42" | S06°13'07"E | 16.05' | 16.34' |
| C15 | 325.00' | 001°35'17" | S11°42'36"W | 9.01' | 9.01' |
| C16 | 325.00' | 003°24'43" | S09°12'36"W | 19.35' | 19.35' |
| C17 | 325.00' | 004°08'29" | S05°26'00"W | 23.49' | 23.49' |
| C18 | 25.00' | 016°38'14" | S06°20'17"E | 7.23' | 7.26' |
| C19 | 325.00' | 007°16'44" | N21°01'02"W | 41.26' | 41.29' |
| C20 | 329.00' | 003°38'17" | N13°48'47"W | 20.89' | 20.89' |
| C21 | 325.00' | 007°12'59" | N06°43'04"W | 40.91' | 40.93' |
| C22 | 275.00' | 003°36'11" | S22°51'19"E | 17.29' | 17.29' |
| C23 | 25.00' | 090°04'03" | S59°12'17"W | 35.38' | 39.30' |
| C24 | 25.00' | 089°55'57" | S30°47'43"E | 35.33' | 39.24' |
| C25 | 325.00' | 002°27'58" | N26°22'46"E | 13.99' | 13.99' |
| C26 | 25.00' | 089°53'47" | N17°20'09"W | 35.32' | 39.22' |
| C27 | 25.00' | 090°06'13" | S72°39'51"W | 35.39' | 39.32' |
| C28 | 25.00' | 007°09'15" | N78°07'26"W | 3.12' | 3.12' |
| C29 | 25.00' | 082°50'45" | N33°07'26"W | 33.08' | 36.15' |
| C30 | 25.00' | 090°00'00" | S53°17'57"W | 35.36' | 39.27' |
| C31 | 25.00' | 090°00'00" | N53°17'57"E | 35.36' | 39.27' |
| C32 | 25.00' | 089°26'37" | N36°58'45"W | 35.18' | 39.03' |
| C33 | 25.00' | 090°00'00" | S53°17'57"W | 35.36' | 39.27' |
| C34 | 25.00' | 090°00'00" | N36°42'03"W | 35.36' | 39.27' |
| C35 | 475.00' | 002°02'43" | S76°47'03"E | 16.96' | 16.96' |
| C36 | 325.00' | 000°20'25" | S17°42'03"W | 1.93' | 1.93' |
| C37 | 325.00' | 002°54'55" | N16°24'48"E | 16.54' | 16.54' |
| C38 | 25.00' | 090°00'00" | S69°39'24"E | 35.36' | 39.27' |
| C39 | 25.00' | 090°00'00" | N20°20'36"E | 35.36' | 39.27' |
| C40 | 60.00' | 007°16'25" | N61°42'23"E | 7.61' | 7.62' |
| C41 | 25.00' | 007°42'58" | S10°38'04"E | 3.36' | 3.37' |
| C42 | 25.00' | 072°07'11" | S29°17'00"W | 29.43' | 31.47' |
| C43 | 475.00' | 000°38'39" | S07°58'37"W | 5.34' | 5.34' |
| C44 | 25.00' | 090°00'00" | N20°20'36"E | 35.36' | 39.27' |
| C45 | 25.00' | 087°10'56" | S68°14'52"E | 34.48' | 38.04' |
| C46 | 775.00' | 004°18'13" | S67°32'08"W | 58.20' | 58.21' |
| C47 | 775.00' | 001°32'58" | N86°56'55"W | 20.96' | 20.96' |
| C48 | 25.00' | 088°06'13" | N47°52'41"E | 34.77' | 38.44' |
| C49 | 25.00' | 090°00'00" | S41°10'25"E | 35.36' | 39.27' |
| C50 | 475.00' | 002°56'45" | S02°21'12"W | 24.42' | 24.42' |
| C51 | 25.00' | 106°25'27" | N67°33'28"W | 40.04' | 46.44' |
| C52 | 25.00' | 056°47'40" | S30°49'59"W | 23.78' | 24.78' |
| C53 | 25.00' | 051°02'11" | N84°44'54"E | 21.54' | 22.27' |
| C54 | 25.00' | 088°07'25" | N15°10'06"E | 34.77' | 38.45' |
| C55 | 25.00' | 093°24'12" | N75°04'42"E | 36.39' | 40.75' |
| C56 | 25.00' | 084°08'11" | N70°26'41"E | 33.50' | 36.71' |
| C57 | 25.00' | 086°35'48" | N14°55'18"W | 34.29' | 37.78' |
| C58 | 414.00' | 003°02'41" | S18°13'50"W | 22.00' | 22.00' |
| C59 | 350.00' | 003°24'24" | N18°28'29"W | 20.81' | 20.81' |
| C60 | 25.00' | 090°00'00" | S24°49'19"W | 35.36' | 39.27' |
| C61 | 25.00' | 090°00'00" | S65°10'41"E | 35.36' | 39.27' |
| C62 | 25.00' | 090°00'00" | N09°38'00"E | 35.36' | 39.27' |
| C63 | 25.00' | 090°00'00" | S80°22'00"E | 35.36' | 39.27' |
| C64 | 275.00' | 000°42'00" | S06°44'07"W | 3.36' | 3.36' |
| C65 | 25.00' | 047°04'35" | S30°37'24"W | 19.97' | 20.54' |
| C66 | 325.00' | 010°07'38" | S04°56'52"W | 57.37' | 57.45' |
| C67 | 47.50' | 026°15'19" | S25°29'05"E | 21.58' | 21.77' |
| C68 | 25.00' | 046°23'50" | S15°24'50"E | 19.70' | 20.24' |
| C69 | 25.00' | 090°00'00" | S52°47'05"W | 35.36' | 39.27' |
| C70 | 25.00' | 090°00'00" | S37°12'55"E | 35.36' | 39.27' |
| C71 | 25.00' | 004°14'00" | S80°34'48"E | 1.85' | 1.85' |
| C72 | 25.00' | 049°44'05" | N72°26'10"E | 21.03' | 21.70' |
| C73 | 25.00' | 026°30'56" | N65°12'19"W | 11.47' | 11.57' |
| C74 | 25.00' | 027°27'09" | N38°13'17"W | 11.86' | 11.98' |
| C75 | 25.00' | 086°25'42" | S57°47'08"W | 34.24' | 37.71' |

| CURVE TABLE | | | | | |
|---|---|---|---|---|---|
| CURVE # | RADIUS | DELTA | CHORD BEARING | CHORD | LENGTH |
| C76 | 25.00' | 048°11'23" | S09°31'24"E | 20.41' | 21.03' |
| C77 | 25.00' | 048°11'23" | N54°54'19"W | 20.41' | 21.03' |
| C78 | 25.00' | 090°15'53" | N60°17'11"E | 35.44' | 39.39' |
| C79 | 25.00' | 090°00'00" | N29°50'45"W | 35.36' | 39.27' |
| C80 | 25.00' | 083°48'32" | S57°03'31"W | 33.39' | 36.57' |
| C81 | 25.00' | 089°44'07" | S29°42'49"E | 35.27' | 39.15' |
| C82 | 25.00' | 090°15'53" | S60°17'11"W | 35.44' | 39.39' |
| C83 | 25.00' | 089°44'07" | N29°42'49"W | 35.27' | 39.15' |
| C84 | 25.00' | 090°17'56" | S29°25'55"E | 35.45' | 39.40' |
| C85 | 25.00' | 079°18'57" | S65°45'39"W | 31.91' | 34.61' |
| C86 | 25.00' | 081°32'23" | N39°27'02"E | 32.65' | 35.58' |
| C87 | 25.00' | 082°02'01" | S42°20'10"E | 32.81' | 35.79' |
| C88 | 25.00' | 090°00'00" | N23°16'11"W | 35.36' | 39.27' |
| C89 | 25.00' | 090°56'41" | N66°15'29"E | 35.65' | 39.68' |
| C90 | 25.00' | 090°00'00" | N29°34'53"W | 35.36' | 39.27' |
| C91 | 25.00' | 090°00'00" | S60°25'07"W | 35.36' | 39.27' |
| C92 | 325.00' | 003°42'05" | S17°16'10"W | 20.99' | 20.99' |
| C93 | 25.00' | 079°50'09" | N61°38'54"E | 32.08' | 34.83' |
| C94 | 60.00' | 028°50'56" | N87°08'30"E | 29.89' | 30.21' |
| C95 | 60.00' | 029°20'41" | S36°24'10"W | 30.39' | 30.73' |
| C96 | 550.00' | 001°02'33" | S54°06'43"W | 10.01' | 10.01' |
| C97 | 25.00' | 081°05'13" | N84°49'24"W | 32.50' | 35.38' |
| C98 | 25.00' | 089°39'55" | N00°33'10"E | 35.25' | 39.12' |
| C99 | 325.00' | 002°33'49" | N53°21'05"E | 14.54' | 14.54' |
| C100 | 375.00' | 002°17'31" | S28°52'29"W | 15.00' | 15.00' |
| C101 | 25.00' | 098°43'23" | N25°13'11"W | 37.94' | 43.08' |
| C102 | 375.00' | 003°12'33" | S17°01'24"W | 21.00' | 21.00' |
| C103 | 25.00' | 090°00'00" | N60°25'07"E | 35.36' | 39.27' |
| C104 | 25.00' | 090°00'00" | N29°34'53"W | 35.36' | 39.27' |
| C105 | 25.00' | 090°00'00" | S60°25'07"W | 35.36' | 39.27' |
| C106 | 325.00' | 002°58'56" | S55°44'34"W | 16.91' | 16.92' |
| C107 | 25.00' | 090°00'00" | S12°14'02"W | 35.36' | 39.27' |
| C108 | 25.00' | 090°00'00" | N77°45'58"W | 35.36' | 39.27' |
| C109 | 525.00' | 002°47'51" | N55°50'06"E | 25.63' | 25.63' |
| C110 | 525.00' | 002°11'00" | N28°25'12"E | 20.00' | 20.00' |
| C111 | 525.00' | 001°40'40" | N06°46'11"W | 15.37' | 15.37' |
| C112 | 475.00' | 003°42'50" | S05°45'07"E | 30.78' | 30.79' |
| C113 | 275.00' | 005°46'29" | S10°29'46"E | 27.71' | 27.72' |
| C114 | 25.00' | 083°50'31" | N26°46'01"W | 33.41' | 36.58' |
| C115 | 25.00' | 090°00'00" | S60°09'15"W | 35.36' | 39.27' |
| C116 | 25.00' | 067°40'00" | N48°59'15"E | 27.84' | 29.53' |
| C117 | 25.00' | 081°59'17" | S25°50'28"E | 32.80' | 35.77' |
| C118 | 25.00' | 022°35'47" | S85°52'52"E | 9.80' | 9.86' |
| C119 | 25.00' | 007°44'46" | S70°41'58"E | 3.38' | 3.38' |
| C120 | 25.00' | 088°19'56" | N30°24'55"W | 34.84' | 38.54' |
| C121 | 25.00' | 092°02'19" | S59°23'58"W | 35.98' | 40.16' |
| C122 | 25.00' | 092°08'01" | N30°33'59"W | 36.01' | 40.20' |
| C123 | 25.00' | 085°26'39" | S58°13'21"W | 33.92' | 37.28' |
| C124 | 475.00' | 001°11'57" | N78°27'21"W | 9.94' | 9.94' |
| C125 | 525.00' | 001°25'09" | S74°24'40"E | 13.00' | 13.00' |
| C126 | 25.00' | 002°32'04" | S74°58'07"E | 1.11' | 1.11' |
| C127 | 25.00' | 045°39'19" | N80°56'11"E | 19.40' | 19.92' |
| C128 | 25.00' | 073°39'29" | N36°52'21"W | 29.97' | 32.14' |
| C129 | 25.00' | 048°11'23" | S24°03'05"W | 20.41' | 21.03' |
| C130 | 275.00' | 004°35'04" | N02°14'56"E | 22.00' | 22.00' |
| C131 | 275.00' | 003°09'17" | N06°07'07"E | 15.14' | 15.14' |
| C132 | 25.00' | 047°25'15" | S08°13'22"E | 20.11' | 20.69' |
| C133 | 25.00' | 076°26'39" | N54°15'24"E | 30.94' | 33.36' |
| C134 | 50.00' | 017°50'21" | S23°00'49"E | 15.50' | 15.57' |
| C135 | 50.00' | 021°57'17" | N83°42'52"W | 19.04' | 19.16' |
| C136 | 25.00' | 048°11'23" | N63°25'36"W | 20.41' | 21.03' |
| C137 | 1025.00' | 000°18'11" | N87°22'11"W | 5.42' | 5.42' |
| C138 | 275.00' | 004°10'39" | S07°39'02"W | 20.05' | 20.05' |
| C139 | 325.00' | 002°27'40" | N14°16'12"E | 13.96' | 13.96' |
| C140 | 25.00' | 038°03'29" | S05°10'30"E | 16.30' | 16.61' |
| C141 | 50.00' | 007°41'20" | S20°21'35"E | 6.70' | 6.71' |
| C142 | 271.00' | 004°01'15" | N10°27'56"E | 19.01' | 19.02' |
| C143 | 25.00' | 029°45'15" | N34°16'37"E | 12.84' | 12.98' |
| C144 | 25.00' | 022°15'13" | N60°16'52"E | 9.65' | 9.71' |
| C145 | 25.00' | 038°24'02" | N89°23'31"W | 16.44' | 16.76' |
| C146 | 25.00' | 090°00'00" | S63°35'32"E | 35.36' | 39.27' |
| C147 | 575.00' | 001°37'23" | N20°02'44"W | 16.29' | 16.29' |
| C148 | 25.00' | 086°10'57" | S28°19'00"W | 34.16' | 37.60' |
| C149 | 25.00' | 085°15'28" | S42°31'30"E | 33.86' | 37.20' |
| C150 | 25.00' | 085°55'07" | S51°53'13"W | 34.07' | 37.49' |

| CURVE TABLE | | | | | |
|---|---|---|---|---|---|
| CURVE # | RADIUS | DELTA | CHORD BEARING | CHORD | LENGTH |
| C151 | 25.00' | 085°30'36" | S17°24'46"E | 33.94' | 37.31' |
| C152 | 25.00' | 085°39'59" | S76°59'56"W | 33.99' | 37.38' |
| C153 | 325.00' | 005°07'02" | N84°32'53"W | 29.02' | 29.03' |
| C154 | 300.00' | 000°40'26" | N86°46'12"W | 3.53' | 3.53' |
| C155 | 300.00' | 004°00'15" | N84°25'51"W | 20.96' | 20.97' |
| C156 | 275.00' | 002°59'46" | S88°36'18"E | 14.38' | 14.38' |
| C157 | 575.00' | 001°25'00" | N47°20'54"E | 14.22' | 14.22' |
| C158 | 25.00' | 090°00'00" | S03°03'24"W | 35.36' | 39.27' |
| C159 | 25.00' | 047°54'37" | S72°00'42"W | 20.30' | 20.90' |
| C160 | 25.00' | 042°05'23" | N62°59'18"W | 17.95' | 18.37' |
| C161 | 375.00' | 003°21'17" | N62°11'35"W | 21.95' | 21.96' |
| C162 | 25.00' | 082°49'09" | N22°27'39"W | 33.07' | 36.14' |
| C163 | 25.00' | 082°49'09" | S60°21'30"W | 33.07' | 36.14' |
| C164 | 25.00' | 048°11'23" | N72°06'04"E | 20.41' | 21.03' |
| C165 | 50.00' | 025°56'56" | N60°58'50"E | 22.45' | 22.64' |
| C166 | 50.00' | 016°49'49" | S38°14'13"W | 14.63' | 14.69' |
| C167 | 25.00' | 048°11'23" | S22°33'26"W | 20.41' | 21.03' |
| C168 | 25.00' | 082°15'59" | N42°40'15"W | 32.89' | 35.90' |
| C169 | 275.00' | 001°33'51" | N00°45'19"W | 7.51' | 7.51' |
| C170 | 325.00' | 003°27'57" | S00°11'43"W | 19.66' | 19.66' |
| C171 | 25.00' | 088°24'49" | N51°59'21"E | 34.86' | 38.58' |
| C172 | 25.00' | 091°35'11" | N38°00'39"W | 35.84' | 39.96' |
| C173 | 25.00' | 092°00'00" | N61°04'50"E | 35.97' | 40.14' |
| C174 | 25.00' | 007°43'40" | S11°13'00"W | 3.37' | 3.37' |
| C175 | 25.00' | 046°14'25" | S15°46'03"E | 19.63' | 20.18' |
| C176 | 60.00' | 009°17'25" | N64°24'13"E | 9.72' | 9.73' |
| C177 | 25.00' | 053°58'05" | N42°03'52"E | 22.69' | 23.55' |
| C178 | 25.00' | 088°00'00" | N28°55'10"W | 34.73' | 38.40' |
| C179 | 625.00' | 002°15'29" | S74°02'55"E | 24.63' | 24.63' |
| C180 | 25.00' | 085°41'13" | S50°27'08"E | 34.00' | 37.39' |
| C181 | 25.00' | 090°39'58" | N37°43'28"E | 35.56' | 39.56' |
| C182 | 325.00' | 007°40'11" | N03°46'26"W | 43.47' | 43.50' |
| C183 | 25.00' | 103°48'17" | S44°17'37"W | 39.35' | 45.29' |
| C184 | 25.00' | 095°50'32" | S35°52'59"E | 37.11' | 41.82' |
| C185 | 325.00' | 002°19'41" | N17°47'05"E | 13.20' | 13.21' |
| C186 | 25.00' | 090°00'00" | S86°56'36"E | 35.36' | 39.27' |
| C187 | 25.00' | 085°16'14" | N00°41'31"E | 33.87' | 37.21' |
| C188 | 325.00' | 004°17'25" | N05°27'49"W | 24.33' | 24.34' |
| C189 | 25.00' | 090°39'58" | N37°43'28"E | 35.56' | 39.56' |
| C190 | 25.00' | 089°20'02" | S52°16'32"E | 35.15' | 38.98' |
| C191 | 25.00' | 089°20'02" | N52°16'32"W | 35.15' | 38.98' |
| C192 | 25.00' | 093°54'31" | S36°06'11"W | 36.54' | 40.98' |
| C193 | 770.00' | 002°17'55" | S12°00'02"E | 30.89' | 30.89' |
| C194 | 25.00' | 092°08'50" | N32°55'26"E | 36.01' | 40.21' |
| C195 | 25.00' | 087°41'44" | S56°59'51"E | 34.64' | 38.26' |
| C196 | 1285.00' | 018°44'04" | N88°31'20"E | 418.30' | 420.17' |
| C197 | 25.00' | 090°25'13" | S16°50'00"E | 35.48' | 39.45' |
| C198 | 25.00' | 092°28'46" | S72°05'18"W | 36.11' | 40.35' |
| C199 | 25.00' | 094°08'09" | S21°13'10"E | 36.61' | 41.07' |
| C200 | 5.00' | 042°58'15" | N13°42'03"W | 3.66' | 3.75' |
| C201 | 5.00' | 042°58'15" | N29°16'11"E | 3.66' | 3.75' |

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED
PROFESSIONAL ENGINEER
08/29/2025


PAPE–DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## SUMMARY AND LOT TABLES (2 OF 2)

**PRELIMINARY SUBDIVISION APPROVAL**

SUBDIVISION NUMBER: S-24-229

APPLICATION DATE:

ADMINISTRATIVE APPROVAL ON:

PRELIMINARY PLAN EXPIRATION DATE:

CYNTHIA C. McDONALD, COUNTY EXECUTIVE, TNR DATE

All Final Plats must be recorded or have Alternative Fiscal approved before the Preliminary Plan Expiration Date. Revisions do not extend the expiration date. If the Preliminary Plan expires, unplatted land is subject to current regulations for development.

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 5 of 31

Date: Aug 29, 2025, 10:59am User ID: ndonte
File: H:\Projects\51514.43\001\212 Preliminary\Civil\DC51443-00.dwg


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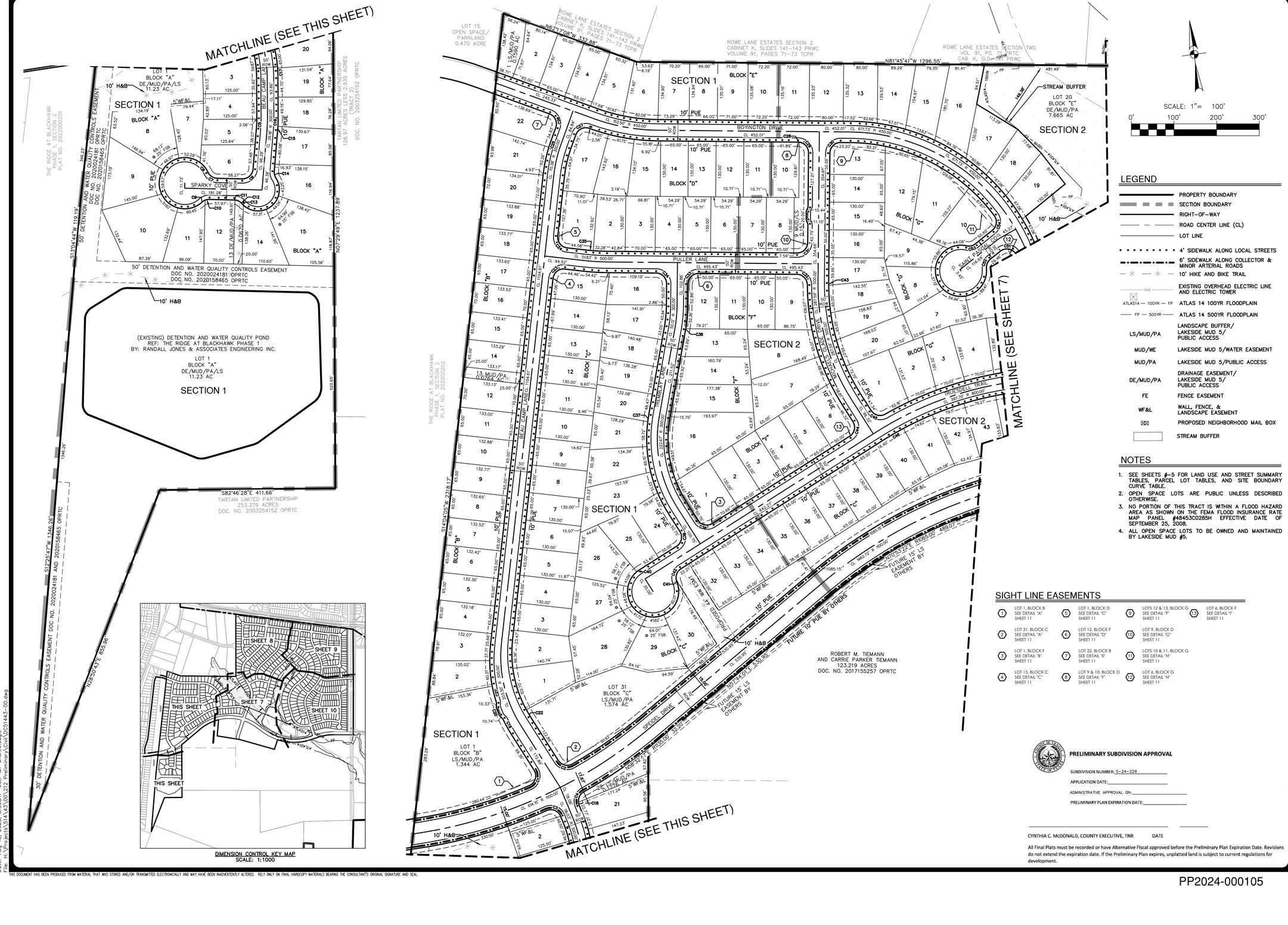
PP2024-000105




## LEGEND

- PROPERTY BOUNDARY
- SECTION BOUNDARY
- RIGHT-OF-WAY
- ROAD CENTER LINE (CL)
- LOT LINE
- 4' SIDEWALK ALONG LOCAL STREETS
- 6' SIDEWALK ALONG COLLECTOR & MINOR ARTERIAL ROADS
- 10' HIKE AND BIKE TRAIL
- OHE — EXISTING OVERHEAD ELECTRIC LINE AND ELECTRIC TOWER
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN
- FP — 500YR — ATLAS 14 500YR FLOODPLAIN
- LS/MUD/PA — LANDSCAPE BUFFER/ LAKESIDE MUD 5/ PUBLIC ACCESS
- MUD/WE — LAKESIDE MUD 5/WATER EASEMENT
- MUD/PA — LAKESIDE MUD 5/PUBLIC ACCESS
- DE/MUD/PA — DRAINAGE EASEMENT/ LAKESIDE MUD 5/ PUBLIC ACCESS
- FE — FENCE EASEMENT
- WF&L — WALL, FENCE, & LANDSCAPE EASEMENT
- PROPOSED NEIGHBORHOOD MAIL BOX
- STREAM BUFFER

## NOTES

1. SEE SHEETS #-5 FOR LAND USE AND STREET SUMMARY TABLES, PARCEL LOT TABLES, AND SITE BOUNDARY CURVE TABLE.
2. OPEN SPACE LOTS ARE PUBLIC UNLESS DESCRIBED OTHERWISE.
3. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.
4. ALL OPEN SPACE LOTS TO BE OWNED AND MAINTAINED BY LAKESIDE MUD #5.

## SIGHT LINE EASEMENTS

| | | | |
|---|---|---|---|
| 1 LOT 1, BLOCK B SEE DETAIL "A" SHEET 11 | 5 LOT 1, BLOCK D SEE DETAIL "C" SHEET 11 | 9 LOTS 12 & 13, BLOCK G SEE DETAIL "F" SHEET 11 | 13 LOT 6, BLOCK F SEE DETAIL "I" SHEET 11 |
| 2 LOT 31, BLOCK C SEE DETAIL "A" SHEET 11 | 6 LOT 12, BLOCK F SEE DETAIL "D" SHEET 11 | 10 LOT 9, BLOCK D SEE DETAIL "G" SHEET 11 | |
| 3 LOT 1, BLOCK F SEE DETAIL "B" SHEET 11 | 7 LOT 22, BLOCK B SEE DETAIL "E" SHEET 11 | 11 LOTS 10 & 11, BLOCK G SEE DETAIL "H" SHEET 11 | |
| 4 LOT 15, BLOCK C SEE DETAIL "C" SHEET 11 | 8 LOT 9 & 10, BLOCK D SEE DETAIL "F" SHEET 11 | 12 LOT 6, BLOCK G SEE DETAIL "H" SHEET 11 | |

**PRELIMINARY SUBDIVISION APPROVAL**

SUBDIVISION NUMBER: S-24-229

APPLICATION DATE:

ADMINISTRATIVE APPROVAL ON:

PRELIMINARY PLAN EXPIRATION DATE:

CYNTHIA C. McDONALD, COUNTY EXECUTIVE, TNR DATE

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| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## DIMENSION CONTROL (1 OF 5)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 6 of 31

Date: Aug 18, 2025, 8:56am User ID: andrew.coyle
File: I:\Projects\51443\03\02 Preliminary\Civil\0251443-00.dwg

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PP2024-000105

## SIGHT LINE EASEMENTS

- (12) LOT 6, BLOCK G — SEE DETAIL "H" SHEET 11
- (14) LOT 24, BLOCK E — SEE DETAIL "J" SHEET 11
- (15) LOT 1, BLOCK W — SEE DETAIL "K" SHEET 11
- (16) LOT 1, BLOCK X — SEE DETAIL "K" SHEET 11
- (17) LOT 20, BLOCK E — SEE DETAIL "L" SHEET 11
- (18) LOT 7, BLOCK V — SEE DETAIL "M" SHEET 11
- (19) LOT 1 & 31 & 32, BLOCK H — SEE DETAIL "N" SHEET 11

SCALE: 1"= 100'

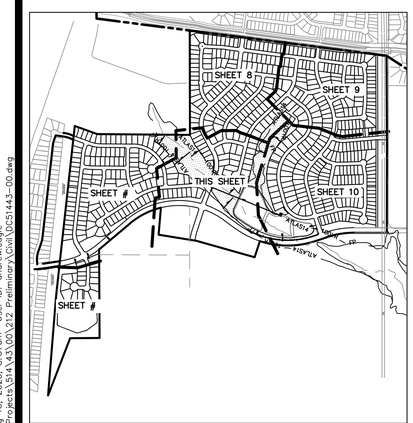
0' 100' 200' 300'

## LEGEND

- PROPERTY BOUNDARY
- SECTION BOUNDARY
- RIGHT-OF-WAY
- ROAD CENTER LINE (CL)
- LOT LINE
- 4' SIDEWALK ALONG LOCAL STREETS
- 6' SIDEWALK ALONG COLLECTOR & MINOR ARTERIAL ROADS
- 10' HIKE AND BIKE TRAIL
- EXISTING OVERHEAD ELECTRIC LINE AND ELECTRIC TOWER
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN
- FP — 500YR — ATLAS 14 500YR FLOODPLAIN
- LS/MUD/PA — LANDSCAPE BUFFER/ LAKESIDE MUD 5/ PUBLIC ACCESS
- MUD/WE — LAKESIDE MUD 5/WATER EASEMENT
- MUD/PA — LAKESIDE MUD 5/PUBLIC ACCESS
- DE/MUD/PA — DRAINAGE EASEMENT/ LAKESIDE MUD 5/ PUBLIC ACCESS
- FE — FENCE EASEMENT
- WF&L — WALL, FENCE, & LANDSCAPE EASEMENT
- PROPOSED NEIGHBORHOOD MAIL BOX
- STREAM BUFFER

## NOTES

1. SEE SHEETS #-5 FOR LAND USE AND STREET SUMMARY TABLES, PARCEL LOT TABLES, AND SITE BOUNDARY CURVE TABLE.
2. OPEN SPACE LOTS ARE PUBLIC UNLESS DESCRIBED OTHERWISE.
3. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.
4. ALL OPEN SPACE LOTS TO BE OWNED AND MAINTAINED BY LAKESIDE MUD #5.




DIMENSION CONTROL KEY MAP
SCALE: 1:1000

**PRELIMINARY SUBDIVISION APPROVAL**

SUBDIVISION NUMBER: S-24-229

APPLICATION DATE:

ADMINISTRATIVE APPROVAL ON:

PRELIMINARY PLAN EXPIRATION DATE:

CYNTHIA C. McDONALD, COUNTY EXECUTIVE, TNR DATE

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| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS — DUSTIN J. GOSS — 91805 — LICENSED PROFESSIONAL ENGINEER — 08/18/2025

**PAPE-DAWSON**
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800

# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## DIMENSION CONTROL (2 OF 5)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 7 of 31

Date: Aug 18, 2025, 8:57am User ID: andrew.cash
File: H:\Projects\514\43\00\212 Preliminary\Civil\DC51443-00.dwg

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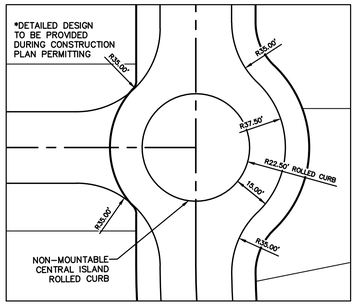
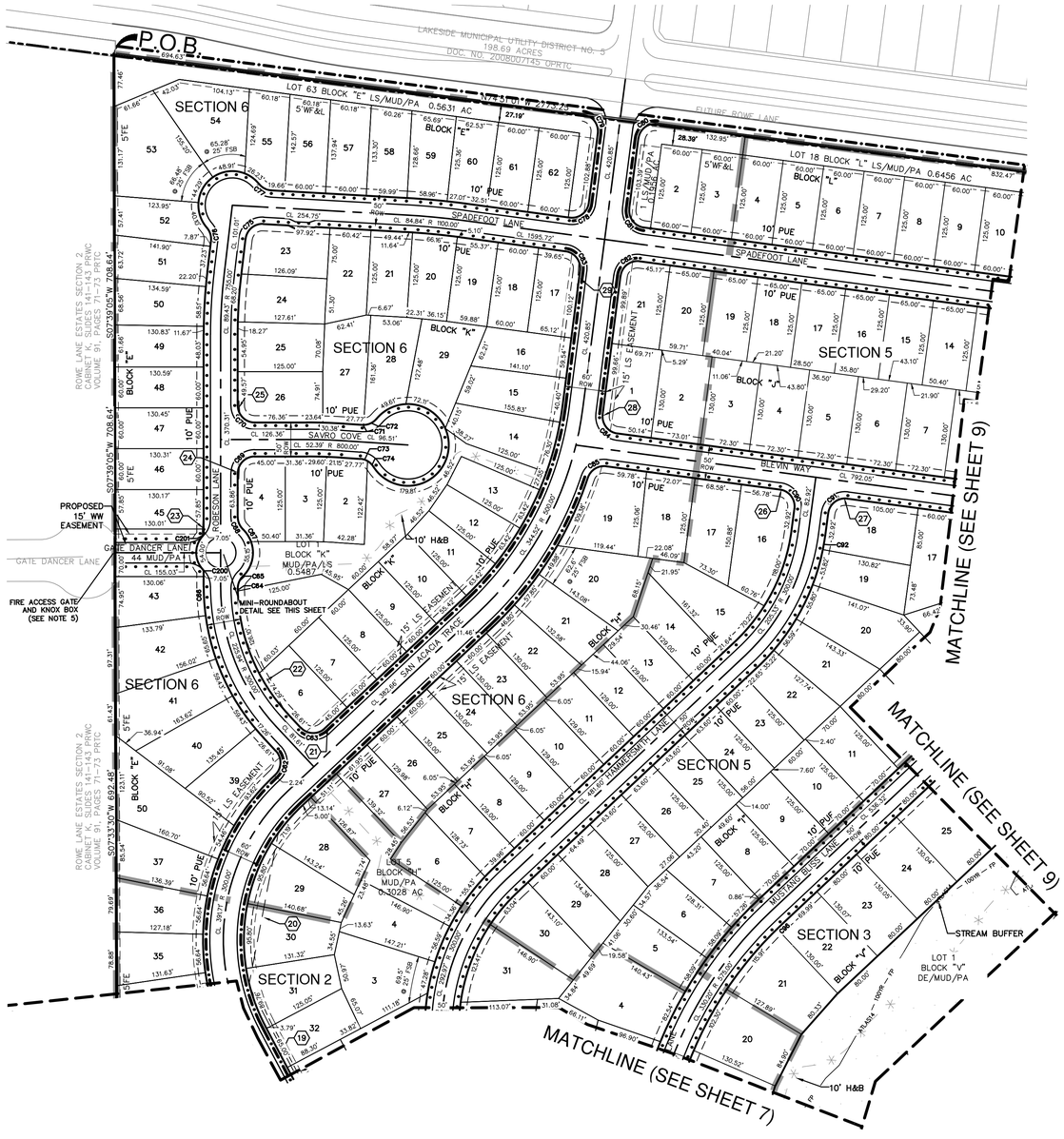
PP2024-000105

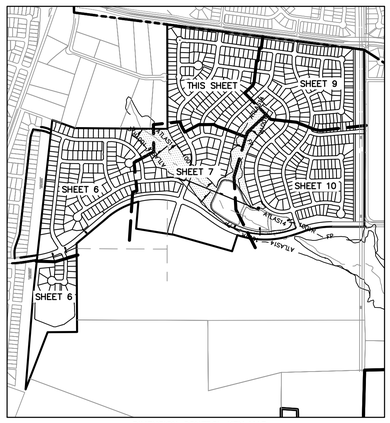
## SIGHT LINE EASEMENTS

| | | | | | |
|---|---|---|---|---|---|
| 19 | LOT 1 & 31 & 32, BLOCK H SEE DETAIL "N" SHEET 11 | 23 | LOT 1, BLOCK EE SEE DETAIL "P" SHEET 11 | 27 | LOT 18, BLOCK I SEE DETAIL "Q" SHEET 12 |
| 20 | LOT 28-31, BLOCK H SEE DETAIL "N" SHEET 11 | 24 | LOT 4, BLOCK K SEE DETAIL "P" SHEET 11 | 28 | LOT 1, BLOCK J SEE DETAIL "S" SHEET 12 |
| 21 | LOT 6, BLOCK K SEE DETAIL "O" SHEET 11 | 25 | LOTS 26, BLOCK K SEE DETAIL "R" SHEET 12 | 29 | LOT 17, BLOCK K SEE DETAIL "R" SHEET 12 |
| 22 | LOT 5 & 6, BLOCK K SEE DETAIL "O" SHEET 11 | 26 | LOT 16, BLOCK H SEE DETAIL "Q" SHEET 12 | | |

MINI-ROUNDABOUT DETAIL
SCALE: 1:30




DIMENSION CONTROL KEY MAP
SCALE: 1:1000

SCALE: 1"= 100'
0' 100' 200' 300'

## LEGEND

- PROPERTY BOUNDARY
- SECTION BOUNDARY
- RIGHT-OF-WAY
- ROAD CENTER LINE (CL)
- LOT LINE
- 4' SIDEWALK ALONG LOCAL STREETS
- 6' SIDEWALK ALONG COLLECTOR & MINOR ARTERIAL ROADS
- 10' HIKE AND BIKE TRAIL
- EXISTING OVERHEAD ELECTRIC LINE AND ELECTRIC TOWER
- ATLAS14 — 100YR — FP: ATLAS 14 100YR FLOODPLAIN
- FP — 500YR —: ATLAS 14 500YR FLOODPLAIN
- LS/MUD/PA: LANDSCAPE BUFFER/ LAKESIDE MUD 5/ PUBLIC ACCESS
- MUD/WE: LAKESIDE MUD 5/WATER EASEMENT
- MUD/PA: LAKESIDE MUD 5/PUBLIC ACCESS
- DE/MUD/PA: DRAINAGE EASEMENT/ LAKESIDE MUD 5/ PUBLIC ACCESS
- FE: FENCE EASEMENT
- WF&L: WALL, FENCE, & LANDSCAPE EASEMENT
- PROPOSED NEIGHBORHOOD MAIL BOX
- STREAM BUFFER

## NOTES

1. SEE SHEETS 4-5 FOR LAND USE AND STREET SUMMARY TABLES, PARCEL LOT TABLES, AND SITE BOUNDARY CURVE TABLE.
2. OPEN SPACE LOTS ARE PUBLIC UNLESS DESCRIBED OTHERWISE.
3. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.
4. ALL OPEN SPACE LOTS TO BE OWNED AND MAINTAINED BY LAKESIDE MUD #5.
5. ACCESS TO GATE DANCER LANE WEST OF THE RIDGE AT BLACKHAWK PHASE 2 PROPERTY SHALL BE RESTRICTED TO FIRE AND EMERGENCY VEHICLES ONLY. A FIRE ACCESS GATE AND KNOX BOX SHALL BE INSTALLED DURING CONSTRUCTION OF GATE DANCER LANE TO PROHIBIT DAILY TRAFFIC WEST OF THE PROPERTY.

**PRELIMINARY SUBDIVISION APPROVAL**

SUBDIVISION NUMBER: S-24-229

APPLICATION DATE:

ADMINISTRATIVE APPROVAL ON:

PRELIMINARY PLAN EXPIRATION DATE:

CYNTHIA C. McDONALD, COUNTY EXECUTIVE, TNR DATE

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| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED
PROFESSIONAL ENGINEER
09/04/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## DIMENSION CONTROL (3 OF 5)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 8 of 31

Date: Sep 04, 2025, 9:29am User ID: ocontreras
File: H:\Projects\51443\00\2\2 Preliminary\Civil\DC51443-00.dwg


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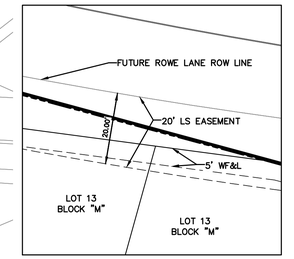
PP2024-000105

## SIGHT LINE EASEMENTS

- (30) LOT 11, BLOCK J — SEE DETAIL "T" — SHEET 12
- (31) LOT 25, BLOCK P — SEE DETAIL "T" — SHEET 12
- (32) LOTS 10 & 11, BLOCK O — SEE DETAIL "U" — SHEET 12
- (33) LOT 20, BLOCK N — SEE DETAIL "V" — SHEET 12
- (34) LOTS 15, BLOCK O — SEE DETAIL "W" — SHEET 12
- (35) LOT 10, BLOCK J — SEE DETAIL "AG" — SHEET 12
- (36) LOT 15, BLOCK I — SEE DETAIL "AF" — SHEET 12




LS EASEMENT DETAIL
SCALE 1" = 20'

DIMENSION CONTROL KEY MAP
SCALE: 1:1000

SCALE: 1"= 100'
0' 100' 200' 300'

## LEGEND

- PROPERTY BOUNDARY
- SECTION BOUNDARY
- RIGHT-OF-WAY
- ROAD CENTER LINE (CL)
- LOT LINE
- 4' SIDEWALK ALONG LOCAL STREETS
- 6' SIDEWALK ALONG COLLECTOR & MINOR ARTERIAL ROADS
- 10' HIKE AND BIKE TRAIL
- OHE — EXISTING OVERHEAD ELECTRIC LINE AND ELECTRIC TOWER
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN
- FP — 500YR — ATLAS 14 500YR FLOODPLAIN
- LS/MUD/PA — LANDSCAPE BUFFER/ LAKESIDE MUD 5/ PUBLIC ACCESS
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- MUD/PA — LAKESIDE MUD 5/PUBLIC ACCESS
- DE/MUD/PA — DRAINAGE EASEMENT/ LAKESIDE MUD 5/ PUBLIC ACCESS
- FE — FENCE EASEMENT
- WF&L — WALL, FENCE, & LANDSCAPE EASEMENT
- PROPOSED NEIGHBORHOOD MAIL BOX
- STREAM BUFFER

## NOTES

1. SEE SHEETS 3–5 FOR LAND USE AND STREET SUMMARY TABLES, PARCEL LOT TABLES, AND SITE BOUNDARY CURVE TABLE.
2. OPEN SPACE LOTS ARE PUBLIC UNLESS DESCRIBED OTHERWISE.
3. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.
4. ALL OPEN SPACE LOTS TO BE OWNED AND MAINTAINED BY LAKESIDE MUD #5.

**PRELIMINARY SUBDIVISION APPROVAL**

SUBDIVISION NUMBER: S-24-229

APPLICATION DATE:

ADMINISTRATIVE APPROVAL ON:

PRELIMINARY PLAN EXPIRATION DATE:

CYNTHIA C. McDONALD, COUNTY EXECUTIVE, TNR DATE

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| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS — DUSTIN J. GOSS — 91805 — LICENSED PROFESSIONAL ENGINEER — 08/18/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## DIMENSION CONTROL (4 OF 5)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 9 of 31

Date: Aug 18, 2025, 8:59am User ID: andrew.castle
File: H:\Projects\51443\43\00\212 Preliminary\Civil\DC51443-00.dwg


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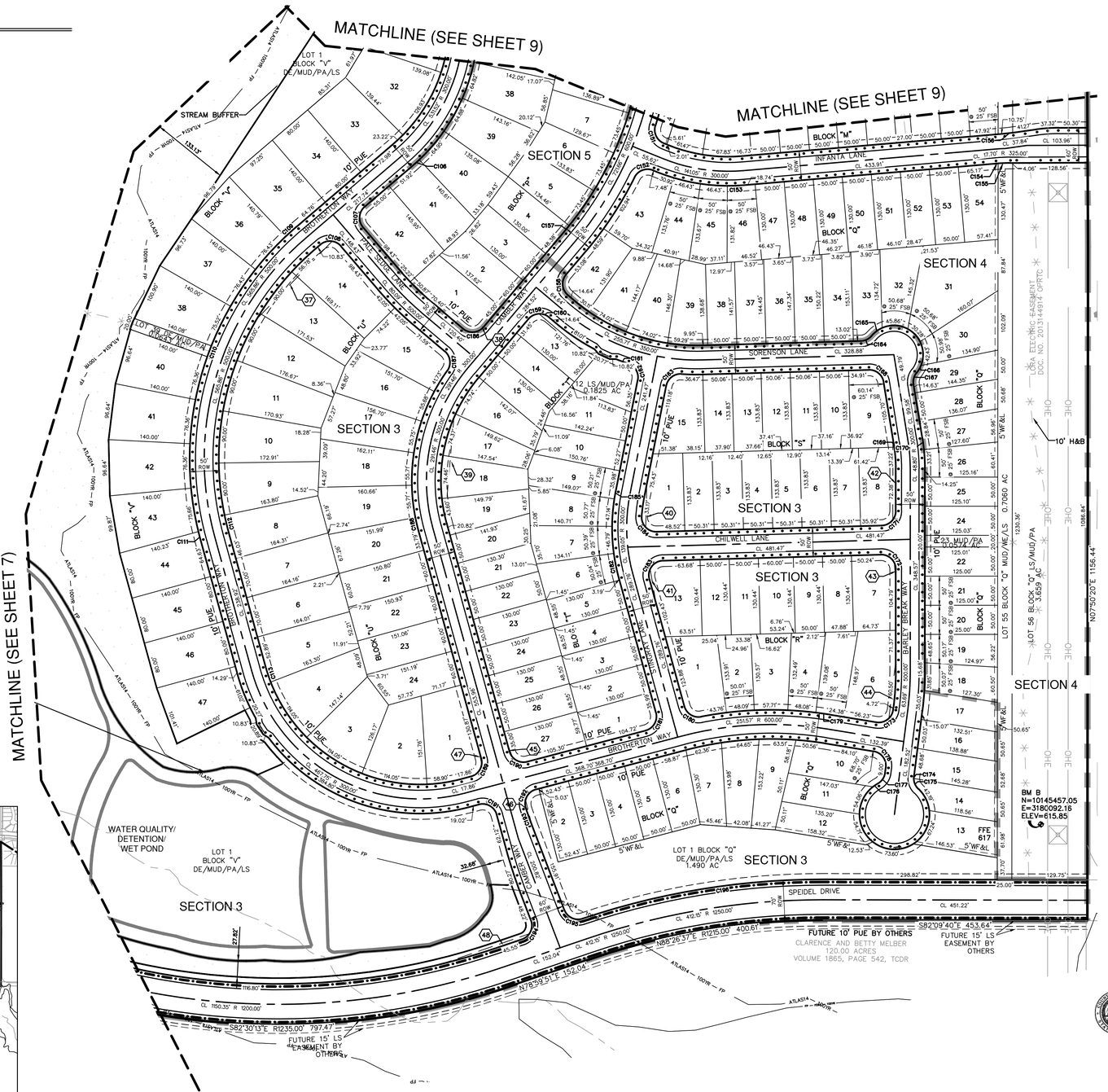
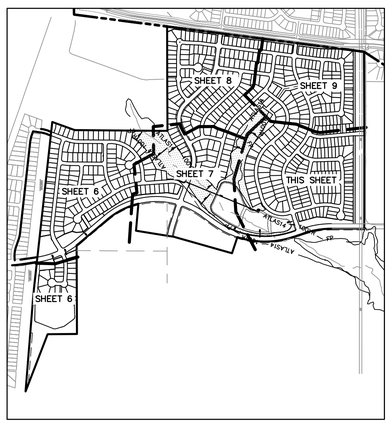
PP2024-000105

## SIGHT LINE EASEMENTS

| | | |
|---|---|---|
| (37) LOT 12-14, BLOCK U SEE DETAIL "Y" SHEET 11 | (41) LOT 13, BLOCK R SEE DETAIL "AA" SHEET 11 | (45) LOT 27, BLOCK T SEE DETAIL "AD" SHEET 11 |
| (38) LOT 1, BLOCK P SEE DETAIL "X" SHEET 11 | (42) LOT 8, BLOCK S SEE DETAIL "AB" SHEET 11 | (46) LOT 1, BLOCK Q SEE DETAIL "AD" SHEET 11 |
| (39) LOT 17-19, BLOCK T SEE DETAIL "Z" SHEET 11 | (43) LOT 7, BLOCK R SEE DETAIL "AB" SHEET 11 | (47) LOTS 1, BLOCK U SEE DETAIL "AD" SHEET 11 |
| (40) LOT 1, BLOCK S SEE DETAIL "AA" SHEET 11 | (44) LOT 6, BLOCK R SEE DETAIL "AC" SHEET 11 | (48) LOT 1, BLOCK V SEE DETAIL "AE" SHEET 11 |




DIMENSION CONTROL KEY MAP
SCALE: 1:1000

SCALE: 1"= 100'
0' 100' 200' 300'

## LEGEND

- PROPERTY BOUNDARY
- SECTION BOUNDARY
- RIGHT-OF-WAY
- ROAD CENTER LINE (CL)
- LOT LINE
- 4' SIDEWALK ALONG LOCAL STREETS
- 6' SIDEWALK ALONG COLLECTOR & MINOR ARTERIAL ROADS
- 10' HIKE AND BIKE TRAIL
- EXISTING OVERHEAD ELECTRIC LINE AND ELECTRIC TOWER
- ATLAS 14 100YR FLOODPLAIN
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- LS/MUD/PA — LANDSCAPE BUFFER/ LAKESIDE MUD 5/ PUBLIC ACCESS
- MUD/WE — LAKESIDE MUD 5/WATER EASEMENT
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- DE/MUD/PA — DRAINAGE EASEMENT/ LAKESIDE MUD 5/ PUBLIC ACCESS
- FE — FENCE EASEMENT
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- STREAM BUFFER

## NOTES

1. SEE SHEETS #-5 FOR LAND USE AND STREET SUMMARY TABLES, PARCEL LOT TABLES, AND SITE BOUNDARY CURVE TABLE.
2. OPEN SPACE LOTS ARE PUBLIC UNLESS DESCRIBED OTHERWISE.
3. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.
4. ALL OPEN SPACE LOTS TO BE OWNED AND MAINTAINED BY LAKESIDE MUD #5.
5. FINISHED FLOOR ELEVATIONS FOR HOMES WITHIN 200 FEET OF THE FEMA 100 YR FLOODPLAIN SHALL BE AT LEAST 2 FEET ABOVE THE INDICATED 100 YR WATER SURFACE ELEVATIONS.

**PRELIMINARY SUBDIVISION APPROVAL**

SUBDIVISION NUMBER: S-24-229

APPLICATION DATE:

ADMINISTRATIVE APPROVAL ON:

PRELIMINARY PLAN EXPIRATION DATE:

CYNTHIA C. McDONALD, COUNTY EXECUTIVE, TNR DATE

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| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## DIMENSION CONTROL (5 OF 5)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 10 of 31

Date: Aug 18, 2025, 9:00am User ID: andrew.cagle
File: H:\Projects\51443\03\02\12 Preliminary\Civil\DC51443-00.dwg


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PP2024-000105

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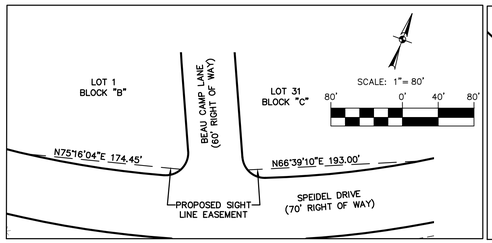


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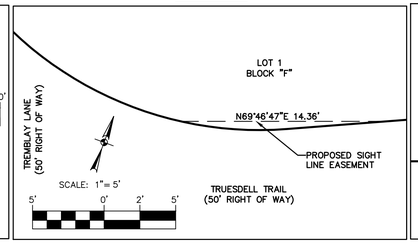


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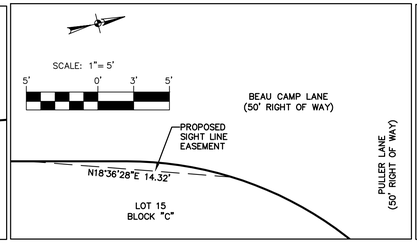


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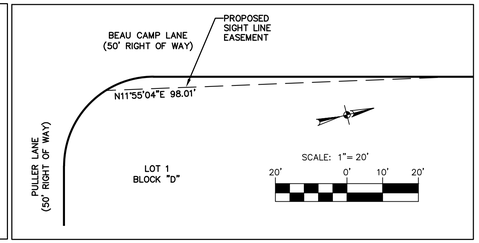


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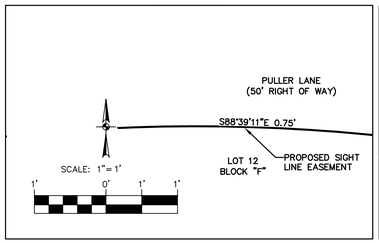


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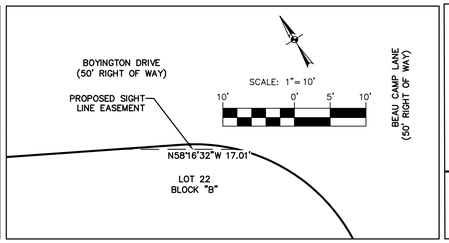


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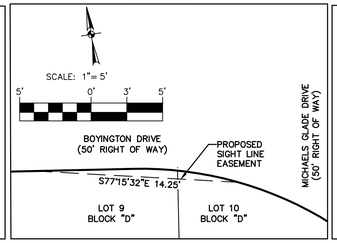


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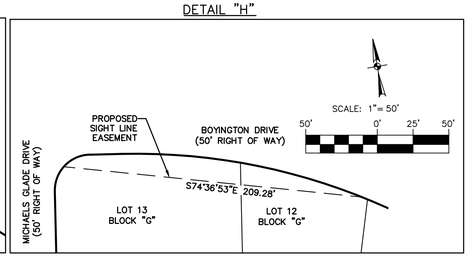


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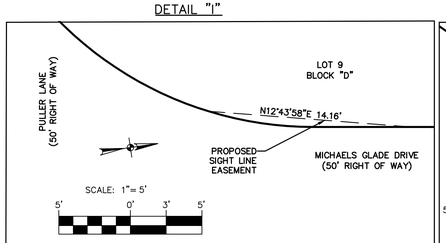


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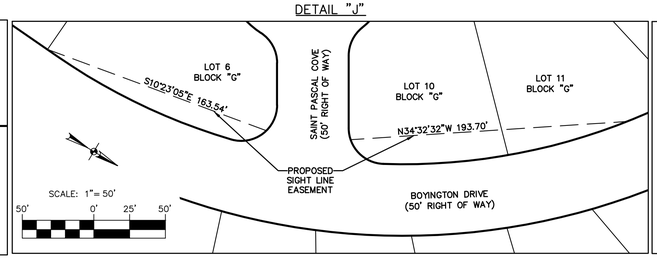


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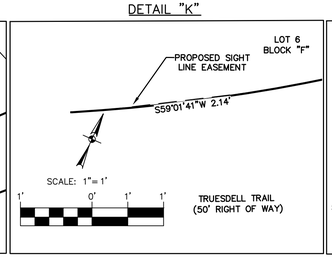


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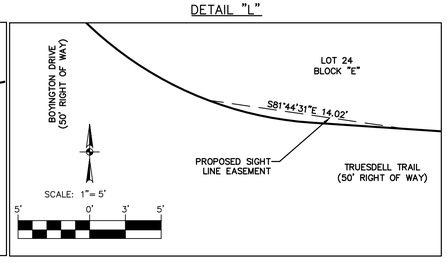


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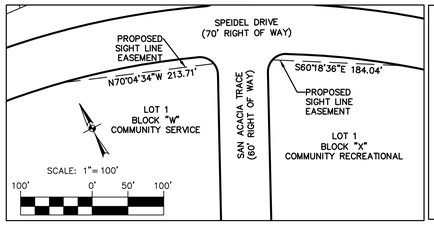


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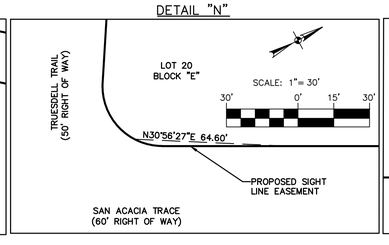


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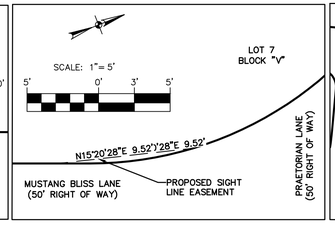


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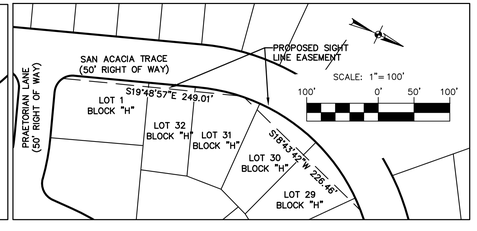


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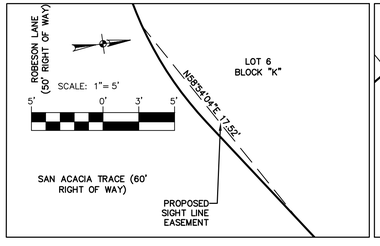


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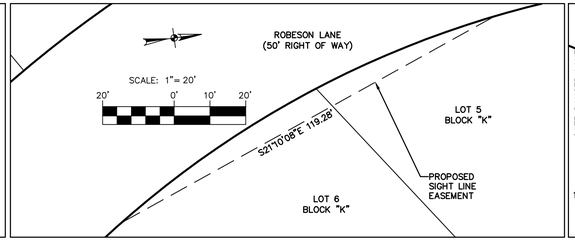


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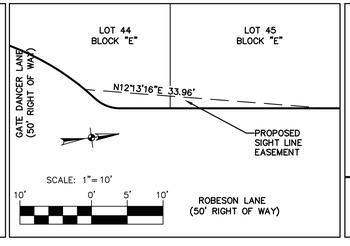


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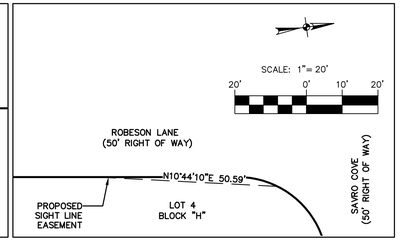


## LEGEND

| | |
|---|---|
| ——— | RIGHT-OF-WAY |
| ——— | LOT LINE |
| — — — — | SIGHT LINE EASEMENT |
| LS/MUD/PA | LANDSCAPE BUFFER/ LAKESIDE MUD 5/ PUBLIC ACCESS |
| MUD/WE | LAKESIDE MUD 5/WATER EASEMENT |
| MUD/PA | LAKESIDE MUD 5/PUBLIC ACCESS |
| DE/MUD/PA | DRAINAGE EASEMENT/ LAKESIDE MUD 5/ PUBLIC ACCESS |
| FE | FENCE EASEMENT |
| WF&L | WALL, FENCE, & LANDSCAPE EASEMENT |

## NOTES

1. SEE SHEETS #-5 FOR LAND USE AND STREET SUMMARY TABLES, PARCEL LOT TABLES, AND SITE BOUNDARY CURVE TABLE.
2. OPEN SPACE LOTS ARE PUBLIC UNLESS DESCRIBED OTHERWISE.
3. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.
4. ALL OPEN SPACE LOTS TO BE OWNED AND MAINTAINED BY LAKESIDE MUD #5.
5. SIGHT LINE EASEMENTS BASED ON AASHTO A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 20TH EDITION.

| NO. | REVISION | DATE |
|---|---|---|

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED
PROFESSIONAL ENGINEER
08/18/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## SIGHT LINE EASEMENT DETAILS (1 OF 2)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 11 of 31

Date: Aug 18, 2025, 9:10am User ID: andrew.castle
File: H:\Projects\51443.00\212 Preliminary\Civil\DC51443-00.dwg


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PP2024-000105

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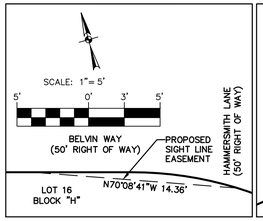


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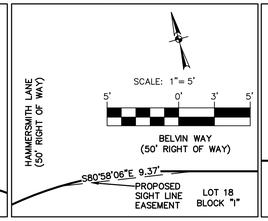


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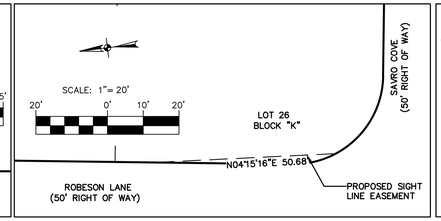


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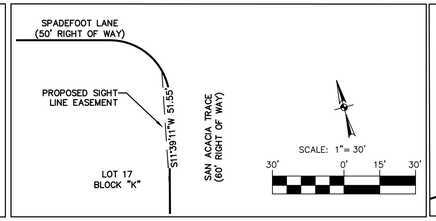


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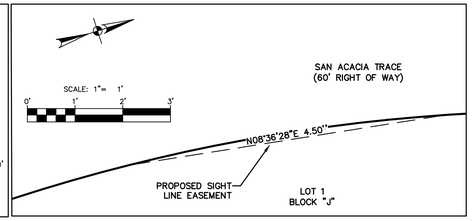


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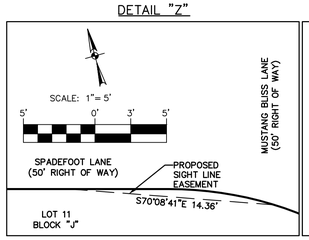


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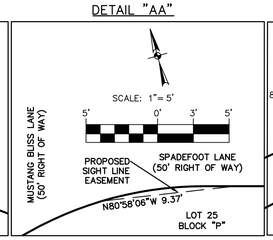


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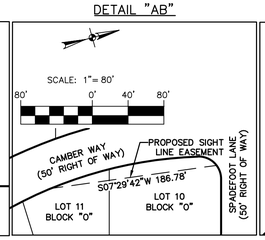


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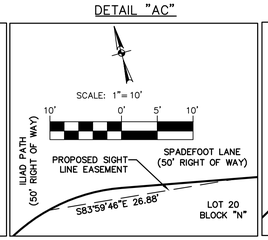


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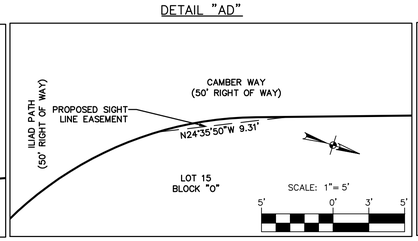


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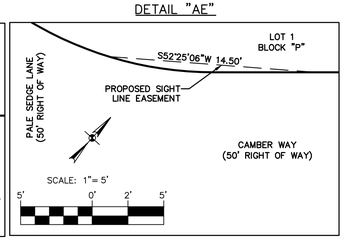


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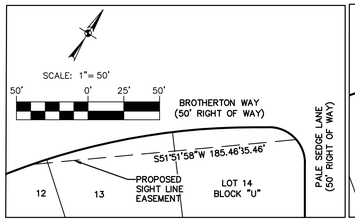


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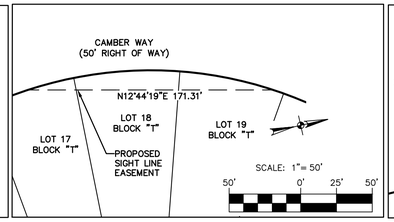


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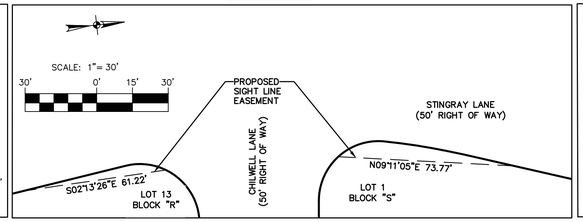


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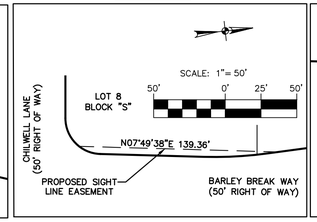


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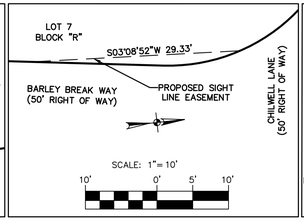


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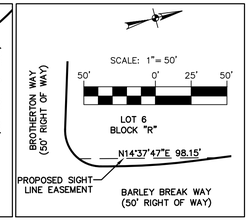


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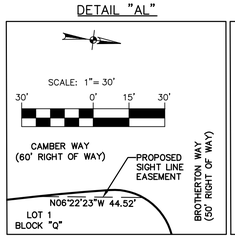


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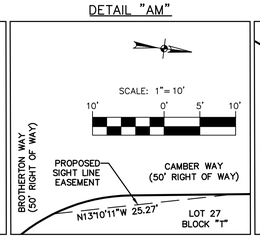


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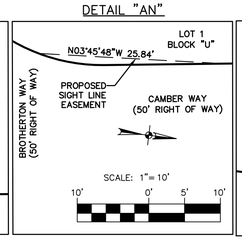


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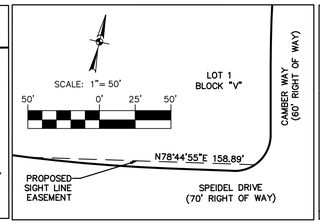


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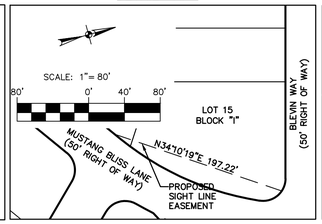


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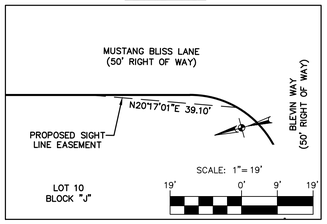


## LEGEND

| | |
|---|---|
| ——— | RIGHT-OF-WAY |
| ——— | LOT LINE |
| — — — — | SIGHT LINE EASEMENT |
| LS/MUD/PA | LANDSCAPE BUFFER/ LAKESIDE MUD 5/ PUBLIC ACCESS |
| MUD/WE | LAKESIDE MUD 5/WATER EASEMENT |
| MUD/PA | LAKESIDE MUD 5/PUBLIC ACCESS |
| DE/MUD/PA | DRAINAGE EASEMENT/ LAKESIDE MUD 5/ PUBLIC ACCESS |
| FE | FENCE EASEMENT |
| WF&L | WALL, FENCE, & LANDSCAPE EASEMENT |

## NOTES

1. SEE SHEETS 4-5 FOR LAND USE AND STREET SUMMARY TABLES, PARCEL LOT TABLES, AND SITE BOUNDARY CURVE TABLE.
2. OPEN SPACE LOTS ARE PUBLIC UNLESS DESCRIBED OTHERWISE.
3. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008 AND #48491C0675F EFFECTIVE DATE OF DECEMBER 19, 2019.
4. ALL OPEN SPACE LOTS TO BE OWNED AND MAINTAINED BY LAKESIDE MUD #5.
5. SIGHT LINE EASEMENTS BASED ON AASHTO A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 20TH EDITION.

| NO. | REVISION | DATE |
|---|---|---|

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED
PROFESSIONAL ENGINEER
08/18/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## SIGHT LINE EASEMENT DETAILS (2 OF 2)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 12 OF 31

Date: Aug 18, 2025, 9:23am User ID: andrew.cople
File: H:\Projects\51443\03\02\21 Preliminary\Civil\D051443-00.dwg


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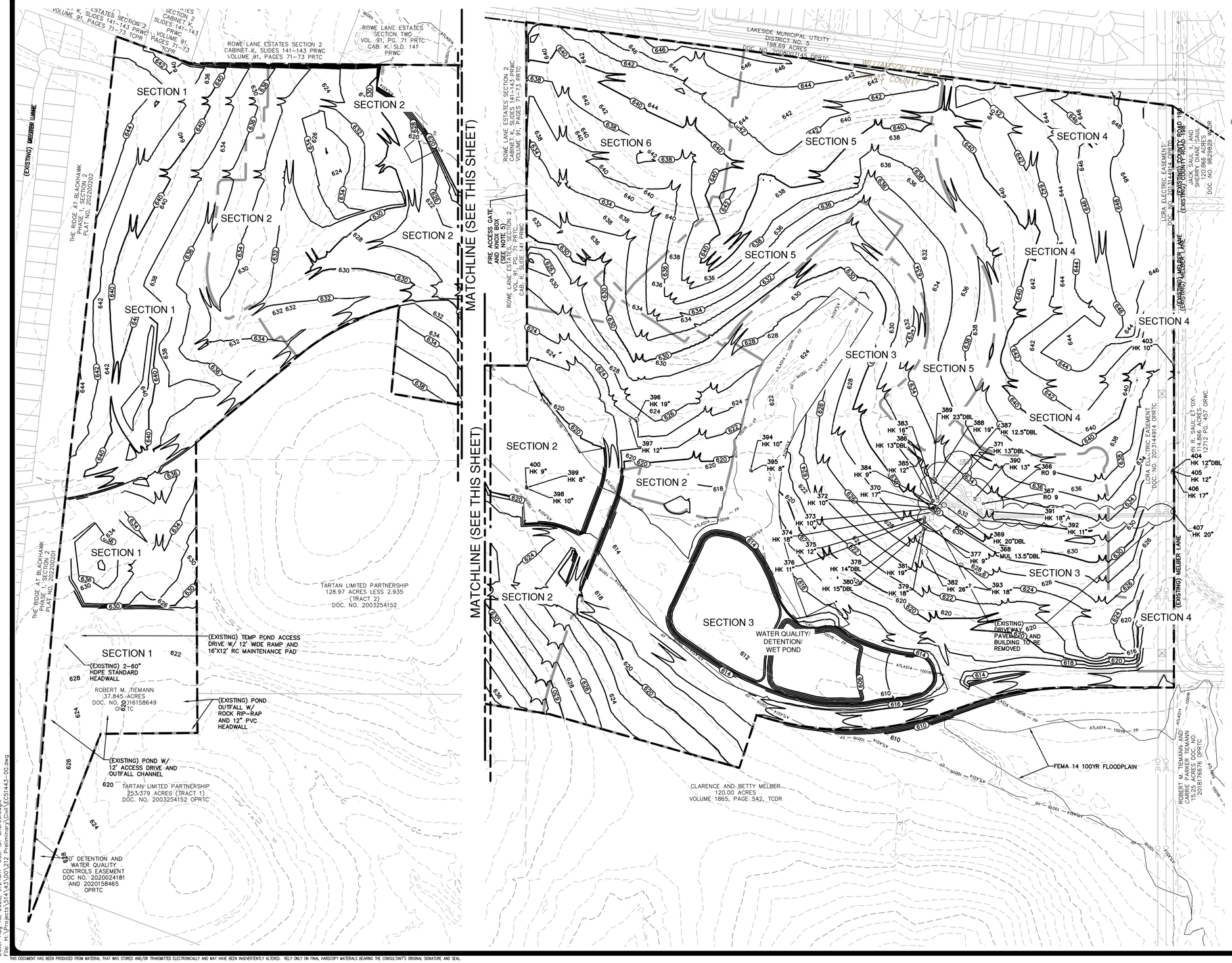


## LEGEND

- PROPERTY BOUNDARY
- SECTION BOUNDARY
- 600 EXISTING CONTOUR
- (600) PROPOSED CONTOUR
- FP — FEMA — 100YR — FEMA 100YR FLOODPLAIN
- ATLAS14 — 100YR — FP ATLAS 14 100YR FLOODPLAIN
- EXISTING OVERHEAD ELECTRIC LINE

## NOTES

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE ASSOCIATED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. SEE SHEET 3-5 FOR LAND USE AND STREET SUMMARY TABLES, PARCEL LOT TABLES, AND SITE BOUNDARY CURVE TABLE.
3. OPEN SPACE LOTS ARE PRIVATE UNLESS DESCRIBED OTHERWISE.
4. A PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0295H EFFECTIVE DATE OF SEPTEMBER 26, 2008 FOR THE CITY OF PFLUGERVILLE. LOMAR 18-06-0800P BECAME EFFECTIVE THROUGH THE PROJECT ON FEBRUARY 11, 2019.
5. REFER TO RIDGE AT BLACKHAWK PHASE 2 WATERSHED STUDY BY PAPE-DAWSON ENGINEERS. DATED FEBRUARY 2024.
6. ALL OPEN SPACE LOTS TO BE OWNED AND MAINTAINED BY LAKESIDE MUD #5.

| NO. | REVISION | DATE |
|---|---|---|

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED
PROFESSIONAL ENGINEER
08/18/2025


**PAPE-DAWSON**
10801 N MOPAC EXPY, BLDG 3, STE 200 | AUSTIN, TX 78759 | 512.454.8711
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
CITY OF PFLUGERVILLE ETJ, TEXAS

EXISTING CONDITIONS & PROPOSED GRADING PLAN

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 13 of 31

Date: Aug 18, 2025, @ 24am User ID: andrew.cagle
File: H:\Projects\5144\43\00\212 Preliminary\Civil\EC51443-00.dwg


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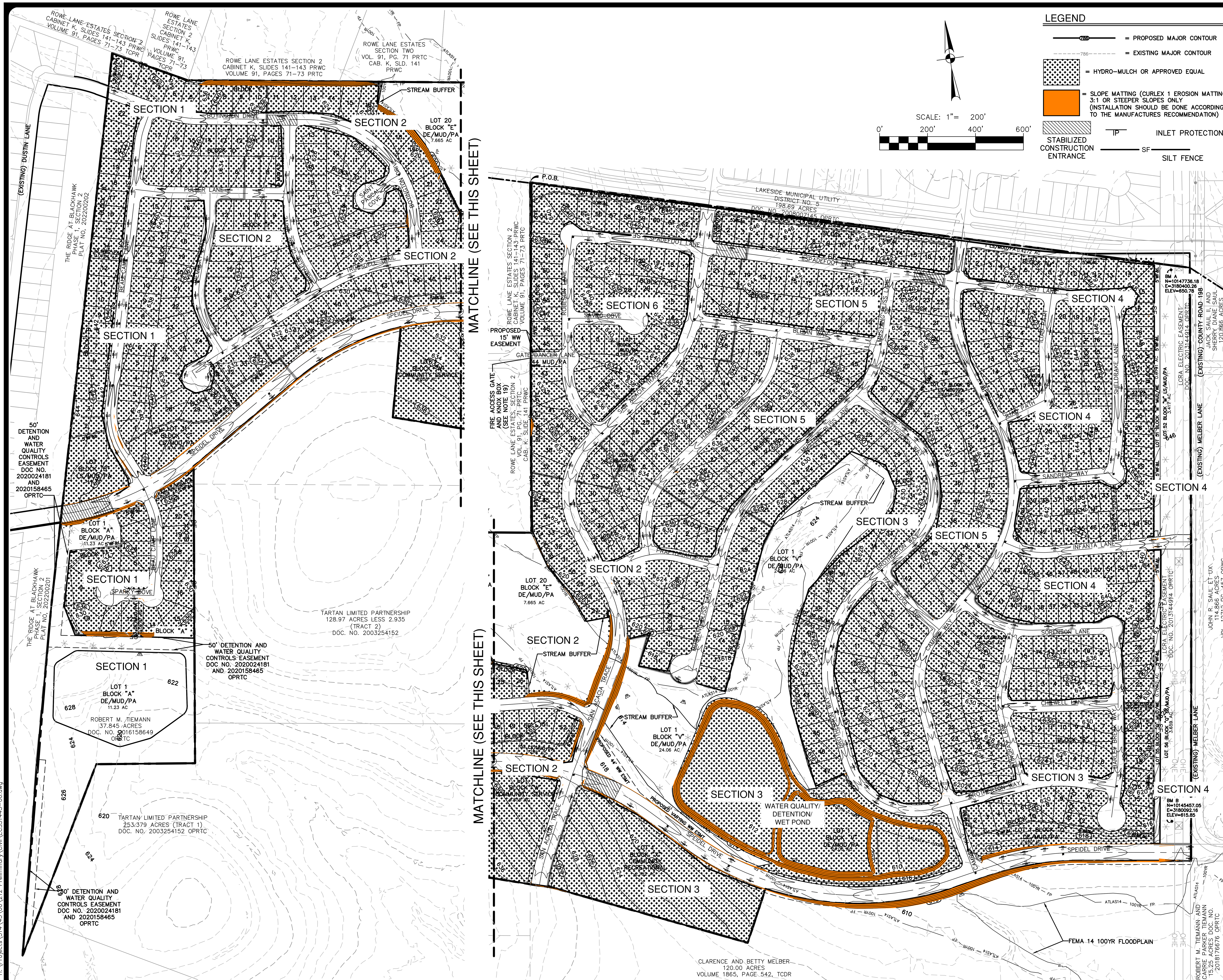


## LEGEND

- PROPOSED MAJOR CONTOUR (786)
- EXISTING MAJOR CONTOUR (786)
- = HYDRO–MULCH OR APPROVED EQUAL
- = SLOPE MATTING (CURLEX 1 EROSION MATTING) 3:1 OR STEEPER SLOPES ONLY (INSTALLATION SHOULD BE DONE ACCORDING TO THE MANUFACTURES RECOMMENDATION)
- STABILIZED CONSTRUCTION ENTRANCE
- IP — INLET PROTECTION
- SF — SILT FENCE

## NOTES

FINAL STABILIZATION CONTROLS:

A. THE SUBDIVIDER SHALL RESTORE ALL AREAS WITHIN PUBLIC RIGHT–OF–WAYS AND PUBLIC EASEMENTS THAT HAVE BEEN DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES. SUCH AREAS SHALL BE RETURNED TO PRE–DISTURBED CONDITIONS OR BETTER. NEW OPEN AREAS OR FACILITIES WITHIN THE PUBLIC RIGHT–OF–WAYS OR PUBLIC EASEMENTS SHALL BE COVERED WITH A MINIMUM OF FOUR (4) INCHES OF TOPSOIL PRIOR TO THE APPLICATION OF GRASS SEED. GRASS SEED SHALL BE APPLIED IN ACCORDANCE WITH FIGURE 7.8, HEREOF.

FIGURE 7.8
RESEEDING STANDARDS

| TIME OF YEAR | SEED TYPE | AMOUNT OF SEED PER 1,000 S.F. |
|---|---|---|
| OCTOBER – FEBRUARY | UNHULLED BERMUDA OR | 1 LB. |
| | WINTER RYE | 3 LBS. |
| MARCH – SEPTEMBER | HULLED BERMUDA | 1 LB. |

B. SEEDLINGS SHALL BE WATERED UNTIL UNIFORM GROWTH IS ESTABLISHED. DURING THE FIRST TWO (2) MONTHS AFTER APPLICATION OF THE SEED, THE PLANTED AREA SHALL BE IRRIGATED OR SPRINKLED AT TEN (10) DAY INTERVALS IN A MANNER THAT WILL NOT ERODE THE TOPSOIL BUT AT A RATE SUFFICIENT TO THOROUGHLY SOAK THE SOIL TO A DEPTH OF SIX INCHES. RAINFALL OCCURRENCES OF ONE–HALF (1/2) INCH OR GREATER SHALL POSTPONE THE WATERING SCHEDULE BY TEN (10) DAYS.

C. RESTORATION SHALL BE CONSIDERED TO BE ACCEPTABLE WHEN THE GRASS HAS GROWN TO A HEIGHT OF AT LEAST ONE–HALF (1/2) INCH AND COVERS NINETY (90%) PERCENT OF THE AREA WITH BARE SPOTS NO GREATER THAN TEN (10) SQUARE FEET.

D. THE CITY ENGINEER MAY GRANT A VARIANCE FOR RIGHT–OF–WAY OR PUBLIC EASEMENT RESTORATION (REGARDING DG7.3.C) AS RELATED TO THE CITY'S CONSTRUCTION ACCEPTANCE PROCESS PROVIDED EQUIVALENT PERMANENT STABILIZATION MEASURES FORMALLY AGREED UPON BY THE SUBDIVIDER/DEVELOPER AND THE CITY ARE IN PLACE PRIOR TO THE CITY FINAL ACCEPTANCE. EXAMPLES OF SUCH EQUIVALENT MEASURES ARE AS FOLLOWS:

1. INSTALLATION OF ADDITIONAL SILT FENCE NEAR AREAS WHICH MAY BE PRONE TO EROSION AS IDENTIFIED BY CITY ENGINEER OR DESIGNATED STAFF. ALL ADDITIONAL SILT FENCE WILL BE MAINTAINED BY THE SUBDIVIDER/DEVELOPER AND WILL PUT FORTH ALL POSSIBLE EFFORTS TO RESTORE THAT RIGHT OF WAY. AT THE TIME OF RIGHT OF WAY RESTORATION PER SPECIFICATION DG7.3.C AND FINAL INSPECTION BY THE CITY ENGINEERING DEPARTMENT, THE SILT FENCE WILL BE REMOVED.
2. A GEOTEXTILE SOIL RETENTION BLANKET PLACEMENT WITHIN AFFECTED AREAS AS DEFINED BY CITY ENGINEER OR DESIGNATED STAFF.
3. ADDITIONAL ROCK BERMS LOCATED NEAR POTENTIAL DRAINAGE EROSION AREAS AS DEFINED BY CITY ENGINEER OR DESIGNATED STAFF.

NOTES:

1. REVEGETATION TO BE HYDROMULCH OR EQUIVALENT.
2. ESC MATTING TO BE PYRAMAT OR APPROVED EQUAL AND SHALL BE USED IN ASSOCIATION WITH PLANNED REVEGETATION EFFORTS. SEEDING SHALL CONFORM TO STANDARD SPECIFICATION 604S PER COA ECM.
3. CONCRETE RIPRAP TO BE 6 INCHES THICK WITH 6"x6"x #6 WWM AND 18 INCH TOE ALL AROUND.
2. INITIATE PERMANENT STABILIZATION IMMEDIATELY ONCE WORK HAS CEASED AND FINAL GRADE HAS BEEN ACHIEVED IN ANY GIVEN AREA.
5. ALL DISTURBED AREAS, INCLUDING FUTURE HOME LOTS, ARE TO BE REVEGETATED PRIOR TO THE SUBMISSION OF THE ENGINEER'S CONCURRENCE LETTER UNLESS:
   a) A DEVELOPER'S AGREEMENT IS EXECUTED FOR THE REMAINING AREAS IN NEED OF STABILIZATION, OR
   b) TRANSFERENCE OF OWNERSHIP HAS OCCURRED IN THE MANNER SPECIFIED IN SEC. 482.401.g.
   AREAS THAT CANNOT PROVIDE DOCUMENTATION OF A DEVELOPER'S AGREEMENT OR TRANSFER OF CONTROL OF OWNERSHIP WILL FALL TO THE DEVELOPERS TO STABILIZE PRIOR TO SUBMISSION OF THE ENGINEER'S CONCURRENCE LETTER AND BEFORE FINAL INSPECTION. [DEVELOPERS PLEASE TAKE NOTE: THIS REQUIREMENT WILL BE STRONGLY ENFORCED AT TIME OF PROJECT FINAL].
6. THE FINAL STABILIZATION/REVEGETATION EFFORTS SHALL BE IN ACCORDANCE WITH THE APPROVED RESTORATION PLAN DETAILS AND SPECIFICATIONS.
7. ALL 3:1 SLOPES OR STEEPER REQUIRE SOIL RETENTION BLANKET (SRB) – CURLEX 1 EROSION MATTING. INSTALLATION SHOULD BE DONE ACCORDING TO THE MANUFACTURES RECOMMENDATION.
8. ALL DISTURBED/BARE AREAS WILL REQUIRE PERMANENT STABILIZATION BEFORE FINAL ACCEPTANCE CAN BE ACHIEVED. AVOID DISTURBING AREAS OF THE PROJECT THAT ARE NOT NECESSARY FOR CONSTRUCTION.
9. THE NOTICE OF TERMINATION (NOT) FOR THIS PROJECT SHALL NOT BE SUBMITTED UNTIL THE TRAVIS COUNTY ENVIRONMENTAL INSPECTOR APPROVES CLEARANCE.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE WATERING/IRRIGATION TO ACHIEVE THE PERMANENT STABILIZATION REQUIREMENTS IN ALL DISTURBED AREAS BEFORE FINAL ACCEPTANCE FOR THIS PROJECT CAN BE OBTAINED.
11. ALL COMMON AREAS INCLUDING PWQC STRUCTURES MUST BE PERMANENTLY STABILIZED PER JURISDICTIONAL TECHNICAL SPECIFICATIONS BEFORE A CONDITIONAL ACCEPTANCE CAN BE ISSUED.
12. ANY DISTURBED AREA(S) NOT INDICTED TO BE RESTORED ON THE RESTORATION PLAN REQUIRES THE SAME EFFORTS AS THOSE INDICATED.
13. ALL DISTURBED AREAS MUST MEET THE REQUIREMENT FOR PERMANENT STABILIZATION.
14. THE NOTICE OF TERMINATION (NOT) FOR THIS PROJECT SHALL NOT BE SUBMITTED UNTIL THE TRAVIS COUNTY ENVIRONMENTAL INSPECTOR APPROVES CLEARANCE.
15. A PARTIAL RELEASE OF THE FISCAL SECURITY CAN OCCUR IF THE COUNTY DETERMINES THAT COMPLIANCE WITH A PORTION OF THE STABILIZATION PLAN HAS BEEN ACHIEVED AND ALL CRITICAL SITE IMPROVEMENTS ARE FULLLY STABILIZED AND ALL DISTURBED HOME LOTS ARE EITHER IN COMPLIANCE WITH THE RESIDENTIAL SUBDIVISION ESC PLAN OR UNDER A SEPARATE SWP3 AND PRIMARY OPERATOR WITH A SEPARATE ESC PLAN.
16. PER ECM 1.6.6(E)(3), MOSQUITO CONTROL USING GAMBUSIA AFFINIS FISH SHALL BE PROVIDED WITH A SUFFICIENT NUMBER OF INDIVIDUALS PER SURFACE ACRE.
17. ESC DEVICES AND BEST MANAGEMENT PRACTICES (BMP) MEET THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL.
18. ALL SEED AND SOIL SPECIFICATIONS AND SEASONAL PLANTING SHALL MEET THE REQUIREMENTS SET FORTH IN THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL. SEE SHEET 93 FOR EROSION CONTROL NOTES.
19. ACCESS TO GATE DANCER LANE WEST OF THE RIDGE AT BLACKHAWK PHASE 2 PROPERTY SHALL BE RESTRICTED TO FIRE AND EMERGENCY VEHICLES ONLY. A FIRE ACCESS GATE AND KNOX BOX SHALL BE INSTALLED DURING CONSTRUCTION OF GATE DANCER LANE TO PROHIBIT DAILY TRAFFIC WEST OF THE PROPERTY.

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS — DUSTIN J. GOSS — 91805 — LICENSED PROFESSIONAL ENGINEER — 08/18/2025

PAPE–DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 | AUSTIN, TX 78759 | 512.454.8711
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
CITY OF PFLUGERVILLE ETJ, TEXAS

EROSION AND SEDIMENTATION CONTROL

CITY NO. PP2024–000105
JOB NO. 51443–00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD



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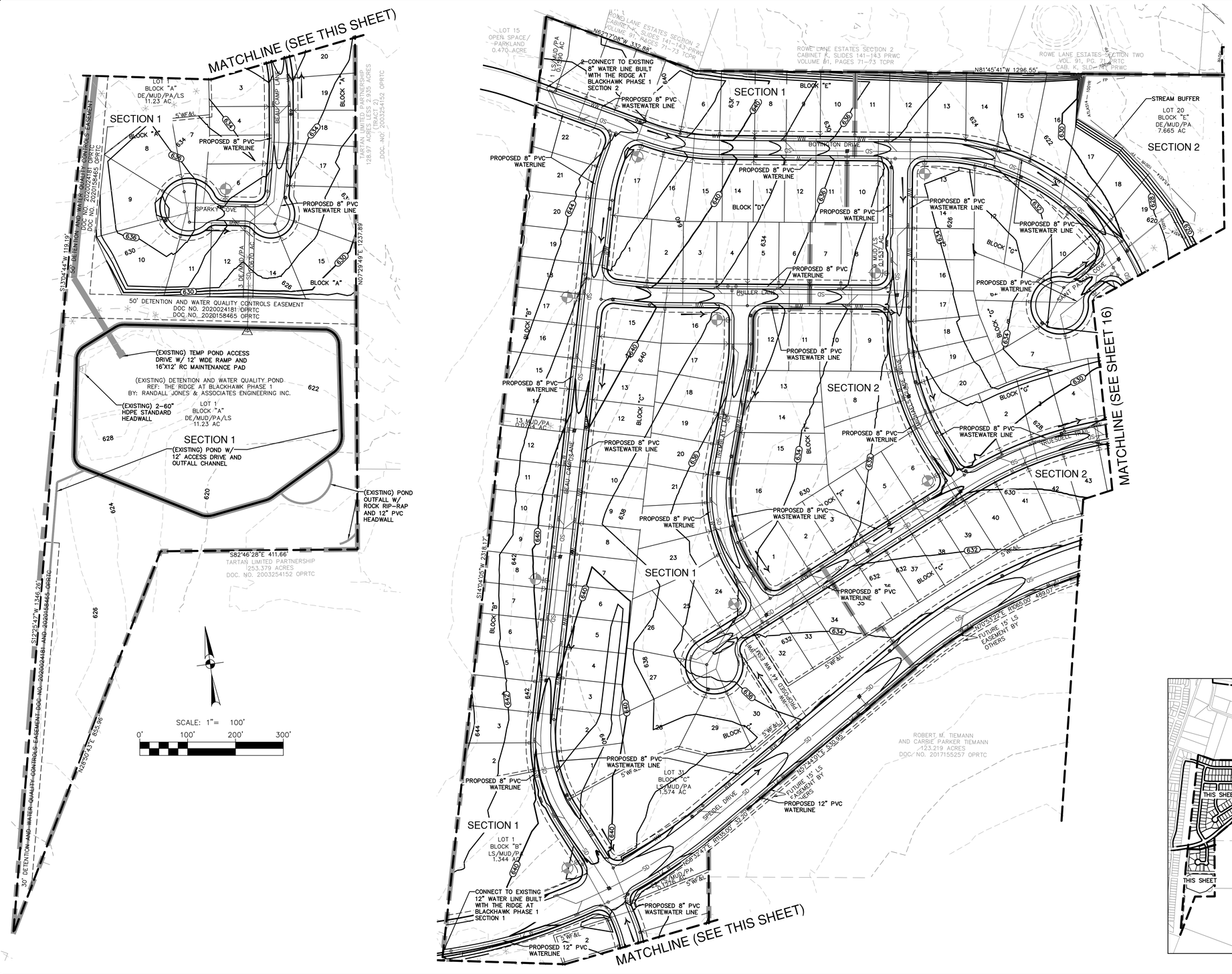
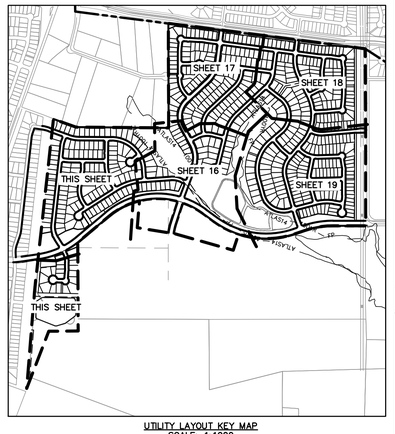



## LEGEND

- WATER LINE
- WASTEWATER LINE & MH
- STORM DRAIN LINE
- CURB INLET
- JUNCTION BOX & HEADWALL
- SINGLE WATER SERVICE
- DOUBLE WATER SERVICE
- SINGLE WW SERVICE
- DOUBLE WW SERVICE
- GATE VALVE & FIRE HYDRANT
- PROPERTY BOUNDARY
- SECTION BOUNDARY
- 600 EXISTING CONTOUR
- 600 PROPOSED CONTOUR
- EXISTING OVERHEAD ELECTRIC LINE AND ELECTRIC TOWER
- FP — FEMA — 100YR — FEMA 100YR FLOODPLAIN
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN
- WASTEWATER FLOW ARROW

## NOTES

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE ASSOCIATED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. EXISTING CONTOUR INFORMATION SHOWN IS AT 2 FOOT INTERVALS. CONTOURS ARE COMPUTER GENERATED FROM ON THE GROUND SURVEY CONDUCTED BY LANDPOINT SURVEYING LTD DATED 2016 & 2020. THE CONTOURS OUTSIDE OF THE PROPERTY BOUNDARY ARE COMPUTER GENERATED USING TNRIS STRATEGIC MAPPING PROGRAM (STRATMAP) 2021 BEXAR AND TRAVIS COUNTY CENTRAL TEXAS LIDAR.
3. PROPOSED GRADING AND UTILITY IMPROVEMENTS ARE APPROXIMATE AND SUBJECT TO CHANGE WITH THE SITE DEVELOPMENT AND CONSTRUCTION PLANS.
4. A PRESSURE REDUCING VALVE SHALL BE REQUIRED AT ALL SERVICES WITH PRESSURE GREATER THAN 80 PSI.
5. ALL PUBLIC WATER LINES SHALL BE 8" PVC UNLESS NOTED OTHERWISE.
6. ALL PUBLIC WASTEWATER LINES SHALL BE 8" PVC UNLESS NOTED OTHERWISE.
7. REFERENCE "THE RIDGE AT BLACKHAWK PHASE 2 PRELIMINARY PLAN WATER MODEL AND FIRE FLOW ANALYSIS" REPORT BY PAPE-DAWSON ENGINEERS DATED FEBRUARY 2024 FOR WATER ANALYSIS.
8. REFERENCE "THE RIDGE AT BLACKHAWK PHASE 2 PRELIMINARY PLAN WASTEWATER ANALYSIS" REPORT BY PAPE-DAWSON ENGINEERS DATED FEBRUARY 2024 FOR WASTEWATER ANALYSIS.




UTILITY LAYOUT KEY MAP
SCALE: 1:1000

| NO. | REVISION | DATE |
|---|---|---|

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
CITY OF PFLUGERVILLE ETJ, TEXAS

UTILITY LAYOUT (1 OF 5)

| | |
|---|---|
| CITY NO. | PP2024-000105 |
| JOB NO. | 51443-00 |
| DATE | AUGUST 2025 |
| DESIGNER | NJD |
| CHECKED | AC |
| DRAWN | NJD |
| SHEET | 15 of 31 |

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PP2024-000105

MATCHLINE (SEE SHEET 17)
MATCHLINE (SEE SHEET 19)
MATCHLINE (SEE SHEET 15)
SECTION 2
SECTION 3
LOT 20
BLOCK "E"
DE/MUD/PA/LS
7.665 AC
LOT 1
BLOCK "V"
DE/MUD/PA
24.06 AC
LOT 1
BLOCK "W"
COMMUNITY SERVICE
4.668 AC
LOT 1
BLOCK "X"
COMMUNITY RECREATIONAL
6.782 AC
53 LS/MUD/PA
1.298 AC
STREAM BUFFER
PROPOSED 8" PVC WATERLINE
PROPOSED 8" PVC WASTEWATER LINE
PROPOSED 12" PVC WATERLINE
PROPOSED 12" PVC WASTEWATER LINE
PROPOSED VARYING WW ESMT
15' LS EASEMENT
PRAETORIAN LANE
SPEIDEL DRIVE
SAN ACAOA TRACE
BLOCK "C"
BLOCK "E"
BLOCK "V"
BLOCK "W"
BLOCK "X"
S73°00'59"E 459.09'
ROBERT M. TIEMANN
AND CARRIE PARKER TIEMANN
123.219 ACRES
DOC. NO. 2017155257, OPRTC
S74°28'35"E 70.00'
S66°25'00"E 851.50'
CLARENCE AND BERT MELBER
128.00 ACRES
VOLUME 1865, PAGE 542, TCDR
N25°59'42"E 236.32'
S12°47'27"W 377.86'</image>

SCALE: 1"= 100'

0' 100' 200' 300'

## LEGEND

- WATER LINE
- WASTEWATER LINE & MH
- STORM DRAIN LINE
- CURB INLET
- JUNCTION BOX & HEADWALL
- SINGLE WATER SERVICE
- DOUBLE WATER SERVICE
- SINGLE WW SERVICE
- DOUBLE WW SERVICE
- GATE VALVE & FIRE HYDRANT
- PROPERTY BOUNDARY
- SECTION BOUNDARY
- 600 EXISTING CONTOUR
- 600 PROPOSED CONTOUR
- EXISTING OVERHEAD ELECTRIC LINE AND ELECTRIC TOWER
- FEMA 100YR FLOODPLAIN
- ATLAS 14 100YR FLOODPLAIN
- WASTEWATER FLOW ARROW

## NOTES

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UTILITY LAYOUT KEY MAP
SCALE: 1:1000

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED
PROFESSIONAL ENGINEER
08/18/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #100288-00


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
UTILITY LAYOUT (2 OF 5)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 16 of 31

PP2024-000105

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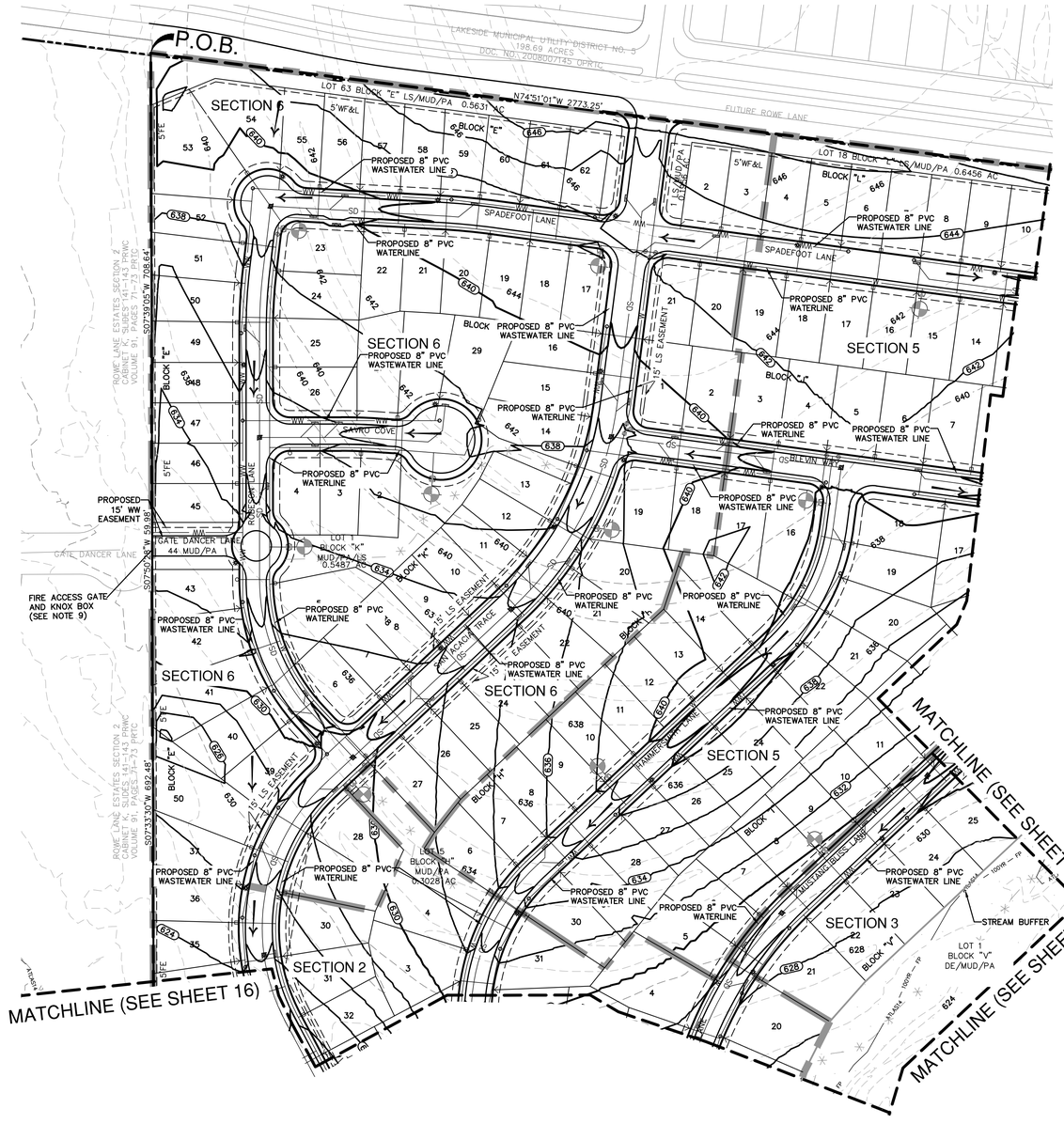


SCALE: 1"= 100'

0' 100' 200' 300'

## LEGEND

- WATER LINE
- WASTEWATER LINE & MH
- STORM DRAIN LINE
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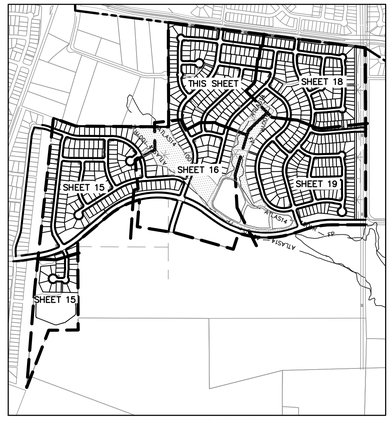


UTILITY LAYOUT KEY MAP
SCALE: 1:1000

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
UTILITY LAYOUT (3 OF 5)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 17 of 31

Date: Aug 18, 2025, 9:28am User ID: andrew.cook
File: H:\Projects\514\43\02\212 Preliminary\Civil\U751443-00.dwg


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PP2024-000105

SCALE: 1"= 100'

0' 100' 200' 300'

## LEGEND

- WATER LINE
- WASTEWATER LINE & MH
- STORM DRAIN LINE
- CURB INLET
- JUNCTION BOX & HEADWALL
- SINGLE WATER SERVICE
- DOUBLE WATER SERVICE
- SINGLE WW SERVICE
- DOUBLE WW SERVICE
- GATE VALVE & FIRE HYDRANT
- PROPERTY BOUNDARY
- SECTION BOUNDARY
- 600 EXISTING CONTOUR
- 600 PROPOSED CONTOUR
- OHE EXISTING OVERHEAD ELECTRIC LINE AND ELECTRIC TOWER
- FP — FEMA — 100YR FEMA 100YR FLOODPLAIN
- ATLAS14 — 100YR — FP ATLAS 14 100YR FLOODPLAIN
- WASTEWATER FLOW ARROW

## NOTES

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE ASSOCIATED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. EXISTING CONTOUR INFORMATION SHOWN IS AT 2 FOOT INTERVALS. CONTOURS ARE COMPUTER GENERATED FROM ON THE GROUND SURVEY CONDUCTED BY LANDPOINT SURVEYING LTD DATED 2016 & 2020. THE CONTOURS OUTSIDE OF THE PROPERTY BOUNDARY ARE COMPUTER GENERATED USING TNRIS STRATEGIC MAPPING PROGRAM (STRATMAP) 2021 BEXAR AND TRAVIS COUNTY CENTRAL TEXAS LIDAR.
3. PROPOSED GRADING AND UTILITY IMPROVEMENTS ARE APPROXIMATE AND SUBJECT TO CHANGE WITH THE SITE DEVELOPMENT AND CONSTRUCTION PLANS.
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5. ALL PUBLIC WATER LINES SHALL BE 8" PVC UNLESS NOTED OTHERWISE.
6. ALL PUBLIC WASTEWATER LINES SHALL BE 8" PVC UNLESS NOTED OTHERWISE.
7. REFERENCE "THE RIDGE AT BLACKHAWK PHASE 2 PRELIMINARY PLAN WATER MODEL AND FIRE FLOW ANALYSIS" REPORT BY PAPE-DAWSON ENGINEERS DATED FEBRUARY 2024 FOR WATER ANALYSIS.
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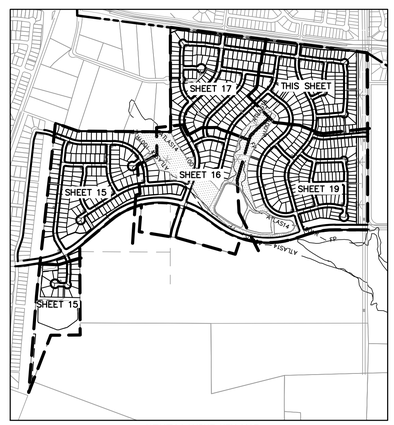


UTILITY LAYOUT KEY MAP
SCALE: 1:1000

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025

**PAPE-DAWSON**
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800

# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
UTILITY LAYOUT (4 OF 5)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 18 of 31

Date: Aug 18, 2025, 9:28am User ID: andrew.cagle
File: H:\Projects\51443\00\212 Preliminary\Civil\U151443-00.dwg

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PP2024-000105

SCALE: 1"= 100'

0' 100' 200' 300'

## LEGEND

- WATER LINE
- WASTEWATER LINE & MH
- STORM DRAIN LINE
- CURB INLET
- JUNCTION BOX & HEADWALL
- SINGLE WATER SERVICE
- DOUBLE WATER SERVICE
- SINGLE WW SERVICE
- DOUBLE WW SERVICE
- GATE VALVE & FIRE HYDRANT
- PROPERTY BOUNDARY
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- 600 EXISTING CONTOUR
- 600 PROPOSED CONTOUR
- EXISTING OVERHEAD ELECTRIC LINE AND ELECTRIC TOWER
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- ATLAS14 — 100YR — FP ATLAS 14 100YR FLOODPLAIN
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## NOTES

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UTILITY LAYOUT KEY MAP
SCALE: 1:1000

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025


PAPE–DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
### UTILITY LAYOUT (5 OF 5)

CITY NO. PP2024–000105
JOB NO. 51443–00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 19 of 31

PP2024-000105


Date: Aug 18, 2025, 9:29am User ID: andrew.caple
File: H:\Projects\51443\43\00\212 Preliminary\Civil\U751443–00.dwg
THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.

| | HEC-HMS Element | Pre-Project Area (sq. mi.) (1) | Pre-Project 2-year (cfs) (2) | Pre-Project 10-year (cfs) (3) | Pre-Project 25-year (cfs) (4) | Pre-Project 100-year (cfs) (5) | HEC-HMS Element | Post-Project Area (sq. mi.) (6) | Post-Project 2-year (cfs) (7) | Post-Project 10-year (cfs) (8) | Post-Project 25-year (cfs) (9) | Post-Project 100-year (cfs) (10) | Difference Area (sq. mi.) (6) - (1) | Difference 2-year (cfs) (7) - (2) | Difference 10-year (cfs) (8) - (3) | Difference 25-year (cfs) (9) - (4) | Difference 100-year (cfs) (10) - (5) | Ultimate 100-year (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Basins | WCT056_10_01 | 0.173 | 286 | 475 | 605 | 819 | WCT056_10_01 | 0.155 | 266 | 434 | 549 | 740 | -0.0180 | -20 | -41 | -55 | -79 | 742 |
| | WCT056_10_02 | 0.019 | 27 | 48 | 63 | 87 | WCT056_10_02 | 0.019 | 40 | 70 | 90 | 124 | 0.0000 | 13 | 22 | 28 | 37 | 124 |
| | WCT056_10_03 | 0.088 | 106 | 194 | 255 | 355 | - | - | - | - | - | - | - | - | - | - | - | - |
| | - | - | - | - | - | - | WCT056_10_03.1 | 0.053 | 109 | 176 | 221 | 296 | - | - | - | - | - | 296 |
| | - | - | - | - | - | - | WCT056_10_03.2 | 0.086 | 148 | 249 | 319 | 434 | - | - | - | - | - | 440 |
| | WCT056_10_04 | 0.015 | 23 | 43 | 57 | 79 | WCT056_10_04 | 0.040 | 102 | 162 | 204 | 273 | 0.0250 | 79 | 120 | 147 | 194 | 273 |
| | WCT056_10_05 | 0.159 | 154 | 288 | 382 | 536 | - | - | - | - | - | - | - | - | - | - | - | - |
| | - | - | - | - | - | - | WCT056_10_05.1 | 0.027 | 58 | 94 | 118 | 158 | - | - | - | - | - | 158 |
| | - | - | - | - | - | - | WCT056_10_05.2 | 0.032 | 38 | 70 | 92 | 129 | - | - | - | - | - | 135 |
| | - | - | - | - | - | - | WCT056_10_05.3 | 0.041 | 98 | 157 | 197 | 264 | - | - | - | - | - | 264 |
| | - | - | - | - | - | - | WCT056_10_05.4 | 0.026 | 57 | 98 | 126 | 172 | - | - | - | - | - | 172 |
| | - | - | - | - | - | - | WCT056_10_05.5 | 0.027 | 73 | 116 | 146 | 195 | - | - | - | - | - | 195 |
| | WCT056_10_06 | 0.071 | 82 | 154 | 203 | 284 | - | - | - | - | - | - | - | - | - | - | - | - |
| | - | - | - | - | - | - | WCT056_10_06.1 | 0.048 | 109 | 175 | 220 | 294 | - | - | - | - | - | 294 |
| | - | - | - | - | - | - | WCT056_10_06.2 | 0.010 | 13 | 25 | 32 | 45 | - | - | - | - | - | 48 |
| | WCT056_10_07 | 0.098 | 125 | 232 | 307 | 429 | - | - | - | - | - | - | - | - | - | - | - | - |
| | - | - | - | - | - | - | WCT056_10_07.1 | 0.010 | 24 | 40 | 50 | 67 | - | - | - | - | - | 67 |
| | - | - | - | - | - | - | WCT056_10_07.2 | 0.069 | 91 | 169 | 223 | 312 | - | - | - | - | - | 327 |
| | WCT056_10_08 | 0.125 | 158 | 286 | 375 | 520 | WCT056_10_08 | 0.120 | 156 | 278 | 363 | 502 | -0.0050 | -2 | -8 | -12 | -18 | 521 |
| Junctions | J_WCT056_10_01 | 0.173 | 286 | 475 | 605 | 819 | J_WCT056_10_01 | 0.155 | 266 | 434 | 549 | 740 | -0.0180 | -20 | -41 | -55 | -79 | 742 |
| | J_WCT056_10_02 | 0.280 | 413 | 707 | 914 | 1,248 | J_WCT056_10_02 | 0.174 | 274 | 437 | 562 | 708 | -0.1060 | -139 | -271 | -351 | -540 | 710 |
| | J_WCT056_10_03 | 0.295 | 427 | 735 | 950 | 1,300 | J_WCT056_10_03 | 0.267 | 387 | 606 | 763 | 1,002 | -0.0280 | -40 | -129 | -187 | -299 | 1,003 |
| | J_WCT056_10_04 | 0.454 | 574 | 1,011 | 1,314 | 1,814 | - | - | - | - | - | - | - | - | - | - | - | - |
| | - | - | - | - | - | - | J_WCT056_10_04.1 | 0.027 | 58 | 94 | 118 | 158 | - | - | - | - | - | 158 |
| | - | - | - | - | - | - | J_WCT056_10_04.2 | 0.099 | 150 | 254 | 329 | 456 | - | - | - | - | - | 461 |
| | - | - | - | - | - | - | J_WCT056_10_04.3 | 0.554 | 766 | 1,286 | 1,629 | 2,167 | - | - | - | - | - | 2,178 |
| | J_WCT056_10_05 | 0.525 | 634 | 1,130 | 1,476 | 2,038 | - | - | - | - | - | - | - | - | - | - | - | - |
| | - | - | - | - | - | - | J_WCT056_10_05.1 | 0.564 | 521 | 930 | 1,218 | 1,683 | - | - | - | - | - | 1,694 |
| | - | - | - | - | - | - | J_WCT056_10_05.2 | 0.574 | 527 | 944 | 1,238 | 1,714 | - | - | - | - | - | 1,726 |
| | J_WCT056_10_06 | 0.748 | 776 | 1,421 | 1,876 | 2,609 | J_WCT056_10_06 | 0.763 | 651 | 1,230 | 1,641 | 2,313 | 0.0150 | -125 | -191 | -235 | -296 | 2,350 |
| | - | - | - | - | - | - | J_WCT056_10_07 | 0.032 | 38 | 70 | 92 | 129 | - | - | - | - | - | 135 |
| | - | - | - | - | - | - | J_WCT056_10_08 | 0.073 | 116 | 194 | 247 | 336 | - | - | - | - | - | 341 |

Shaded areas indicate basins entirely or partially on-site

| | Cross Section | Pre-Project 2-Year (1) | Pre-Project 10-Year (2) | Pre-Project 25-Year (3) | Pre-Project 100-Year (4) | Post-Project 2-Year (5) | Post-Project 10-Year (6) | Post-Project 25-Year (7) | Post-Project 100-Year (8) | Difference 2-Year (5) - (1) | Difference 10-Year (6) - (2) | Difference 25-Year (7) - (3) | Difference 100-Year (8) - (4) | Ultimate 100-Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WC_T056 - Upper | 62506 | 620.12 | 620.46 | 620.63 | 620.83 | 620.08 | 620.40 | 620.57 | 620.76 | -0.04 | -0.06 | -0.06 | -0.07 | 620.76 |
| | 62429 | 619.82 | 620.10 | 620.25 | 620.46 | 619.78 | 620.04 | 620.19 | 620.39 | -0.04 | -0.06 | -0.06 | -0.07 | 620.39 |
| | 62406 | 619.67 | 619.97 | 620.12 | 620.35 | 619.64 | 619.90 | 620.06 | 620.28 | -0.03 | -0.07 | -0.06 | -0.07 | 620.28 |
| | 62220 | 618.75 | 619.16 | 619.34 | 619.60 | 618.71 | 619.07 | 619.27 | 619.54 | -0.04 | -0.09 | -0.07 | -0.06 | 619.54 |
| | 62024 | 618.14 | 618.57 | 618.76 | 619.03 | 618.05 | 618.37 | 618.50 | 618.61 | -0.09 | -0.20 | -0.26 | -0.42 | 618.62 |
| | 61803 | 616.92 | 617.27 | 617.47 | 617.76 | 616.57 | 616.88 | 617.15 | 618.12 | -0.35 | -0.39 | -0.32 | 0.36 | 618.15 |
| | 61551 | 615.49 | 615.92 | 616.16 | 616.51 | - | - | - | - | - | - | - | - | - |
| | 61485 | 615.09 | 615.49 | 615.71 | 616.04 | 615.32 | 616.45 | 616.77 | 618.01 | 0.23 | 0.96 | 1.06 | 1.97 | 618.04 |
| | 61400 | - | - | - | - | 615.22 | 616.40 | 616.71 | 617.97 | - | - | - | - | 618.00 |
| | 61350 | Herbert Bohls Culvert | | | | | | | | | | | | |
| | 61314 | 614.17 | 614.62 | 614.89 | 615.24 | 614.23 | 614.64 | 615.08 | 615.32 | 0.06 | 0.02 | 0.19 | 0.08 | 615.34 |
| | 61264 | 613.97 | 614.46 | 614.73 | 615.09 | 613.99 | 614.42 | 614.68 | 615.28 | 0.02 | -0.04 | -0.05 | 0.19 | 615.30 |
| | 61114 | 613.51 | 614.07 | 614.37 | 614.76 | - | - | - | - | - | - | - | - | - |
| | 61000 | - | - | - | - | 613.51 | 614.13 | 614.49 | 615.17 | - | - | - | - | 615.19 |
| | 60985 | 613.38 | 613.93 | 614.23 | 614.62 | 612.63 | 613.31 | 613.93 | 614.90 | -0.75 | -0.62 | -0.30 | 0.28 | 614.92 |
| | 60980 | Inline Structure | | | | | | | | | | | | |
| | 60894 | 613.22 | 613.72 | 614.00 | 614.38 | 612.31 | 613.36 | 614.01 | 614.96 | -0.91 | -0.36 | 0.01 | 0.58 | 614.98 |
| WC_T056 - Lower | 60737 | 612.87 | 613.34 | 613.61 | 613.99 | - | - | - | - | - | - | - | - | - |
| | 60644 | - | - | - | - | 612.31 | 613.36 | 614.01 | 614.96 | - | - | - | - | 614.98 |
| | 60506 | - | - | - | - | 612.30 | 613.35 | 614.00 | 614.96 | - | - | - | - | 614.98 |
| | 60459 | 612.04 | 612.53 | 612.79 | 613.23 | - | - | - | - | - | - | - | - | - |
| | 60308 | - | - | - | - | 612.28 | 613.34 | 613.99 | 614.94 | - | - | - | - | 614.96 |
| | 60104 | - | - | - | - | 612.27 | 613.33 | 613.98 | 614.93 | - | - | - | - | 614.95 |
| | 59998 | 610.54 | 611.16 | 611.50 | 612.00 | - | - | - | - | - | - | - | - | - |
| | 59983 | - | - | - | - | 612.26 | 613.31 | 613.96 | 614.91 | - | - | - | - | 614.93 |
| | 59916 | 610.36 | 610.98 | 611.34 | 611.80 | - | - | - | - | - | - | - | - | - |
| | 59793 | - | - | - | - | 612.25 | 613.31 | 613.96 | 614.92 | - | - | - | - | 614.94 |
| | 59751 | 610.08 | 610.71 | 611.05 | 611.49 | - | - | - | - | - | - | - | - | - |
| | 59728 | - | - | - | - | 612.25 | 613.31 | 613.96 | 614.91 | - | - | - | - | 614.93 |
| | 59600 | Speidel Drive Culvert | | | | | | | | | | | | |
| | 59510 | 609.52 | 610.09 | 610.38 | 610.81 | 609.32 | 609.82 | 610.09 | 610.46 | -0.20 | -0.27 | -0.29 | -0.35 | 610.47 |
| | 59380 | 608.95 | 609.47 | 609.74 | 610.13 | 608.80 | 609.27 | 609.54 | 609.90 | -0.15 | -0.20 | -0.20 | -0.23 | 609.91 |
| | 59215 | 607.86 | 608.43 | 608.70 | 609.08 | 607.71 | 608.24 | 608.52 | 608.87 | -0.15 | -0.19 | -0.18 | -0.21 | 608.88 |
| | 59192 | 607.74 | 608.31 | 608.57 | 608.94 | 607.59 | 608.12 | 608.39 | 608.74 | -0.15 | -0.19 | -0.18 | -0.20 | 608.75 |
| | 58995 | 606.98 | 607.62 | 607.93 | 608.39 | 606.82 | 607.43 | 607.75 | 608.17 | -0.16 | -0.19 | -0.18 | -0.22 | 608.19 |
| | 58299 | 604.68 | 605.33 | 605.70 | 606.24 | 604.53 | 605.15 | 605.51 | 606.03 | -0.15 | -0.18 | -0.19 | -0.21 | 606.06 |
| | 58051 | 604.22 | 604.87 | 605.25 | 605.80 | 604.07 | 604.69 | 605.06 | 605.58 | -0.15 | -0.18 | -0.19 | -0.22 | 605.61 |

| | Cross Section | Pre-Project 2-Year (1) | Pre-Project 10-Year (2) | Pre-Project 25-Year (3) | Pre-Project 100-Year (4) | Post-Project 2-Year (5) | Post-Project 10-Year (6) | Post-Project 25-Year (7) | Post-Project 100-Year (8) | Difference 2-Year (5) - (1) | Difference 10-Year (6) - (2) | Difference 25-Year (7) - (3) | Difference 100-Year (8) - (4) | Ultimate 100-Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WC_T056 - Reach 2 | 2425 | 635.99 | 636.34 | 636.45 | 636.71 | - | - | - | - | - | - | - | - | - |
| | 2274 | 634.42 | 634.80 | 634.99 | 635.24 | - | - | - | - | - | - | - | - | - |
| | 2078 | 632.33 | 632.64 | 632.84 | 633.07 | - | - | - | - | - | - | - | - | - |
| | 1854 | 630.14 | 630.51 | 630.69 | 630.93 | - | - | - | - | - | - | - | - | - |
| | 1607 | 627.32 | 627.59 | 627.76 | 627.97 | - | - | - | - | - | - | - | - | - |
| | 1372 | 625.37 | 625.77 | 625.98 | 626.25 | 625.34 | 625.68 | 625.86 | 626.12 | -0.03 | -0.09 | -0.12 | -0.13 | 626.13 |
| | 1210 | 624.27 | 624.62 | 624.80 | 625.01 | 624.31 | 624.59 | 624.72 | 624.91 | 0.04 | -0.03 | -0.08 | -0.10 | 624.91 |
| | 950 | 622.04 | 622.30 | 622.44 | 622.64 | 621.98 | 622.21 | 622.35 | 622.55 | -0.06 | -0.09 | -0.09 | -0.09 | 622.56 |
| | 816 | 620.82 | 621.10 | 621.26 | 621.48 | 620.90 | 621.12 | 621.23 | 621.40 | 0.08 | 0.02 | -0.03 | -0.08 | 621.40 |
| | 574 | 617.81 | 618.01 | 618.12 | 618.25 | 617.71 | 617.88 | 618.01 | 618.18 | -0.10 | -0.13 | -0.11 | -0.07 | 618.18 |
| | 442 | 615.53 | 615.81 | 615.97 | 616.19 | 615.64 | 615.85 | 615.95 | 616.09 | 0.11 | 0.04 | -0.02 | -0.10 | 616.09 |
| | 387 | 615.18 | 615.37 | 615.44 | 615.50 | 614.94 | 615.13 | 615.26 | 615.44 | -0.24 | -0.24 | -0.18 | -0.06 | 615.45 |
| | 339 | Inline Structure | | | | | | | | | | | | |
| | 316 | 614.43 | 614.63 | 614.76 | 615.03 | 612.32 | 613.37 | 614.02 | 614.97 | -2.11 | -1.26 | -0.74 | -0.06 | 615.00 |

Shaded areas indicate cross sections entirely or partially on-site

| | 2-Year | 10-Year | 25-Year | 100-Year |
|---|---|---|---|---|
| Maximum On-site Increase (ft): | 0.23 | 0.96 | 1.06 | 1.97 |
| Maximum On-site Decrease (ft): | -2.11 | -1.26 | -0.74 | -0.42 |

| | 2-Year | 10-Year | 25-Year | 100-Year |
|---|---|---|---|---|
| Maximum Off-site Increase (ft): | 0.00 | 0.00 | 0.00 | 0.00 |
| Maximum Off-site Decrease (ft): | -0.20 | -0.27 | -0.29 | -0.35 |

| HEC-HMS Element | Area (ac) | Area (sq. mi.) | Soils in Acres D 80 | Composite Base CN | SF 45 | O 5 | G 0 | S 75 | W 100 | Composite Percent Imp |
|---|---|---|---|---|---|---|---|---|---|---|
| PRE-PROJECT CONDITION | | | | | | | | | | |
| WCT056_10_01 | 110.56 | 0.173 | 110.56 | 80.0 | 80.25 | 0.00 | 22.72 | 7.59 | 0.00 | 38 |
| WCT056_10_02 | 12.11 | 0.019 | 12.11 | 80.0 | 2.69 | 0.00 | 9.42 | 0.00 | 0.00 | 10 |
| WCT056_10_03 | 56.44 | 0.088 | 56.44 | 80.0 | 7.50 | 0.00 | 48.93 | 0.00 | 0.00 | 6 |
| WCT056_10_04 | 9.43 | 0.015 | 9.43 | 80.0 | 0.00 | 0.00 | 9.43 | 0.00 | 0.00 | 0 |
| WCT056_10_05 | 101.90 | 0.159 | 101.90 | 80.0 | 0.00 | 0.00 | 101.81 | 0.08 | 0.00 | 1 |
| WCT056_10_06 | 45.34 | 0.071 | 45.34 | 80.0 | 0.00 | 0.00 | 45.34 | 0.00 | 0.00 | 0 |
| WCT056_10_07 | 62.97 | 0.098 | 62.97 | 80.0 | 0.00 | 0.00 | 62.97 | 0.00 | 0.00 | 0 |
| WCT056_10_08 | 80.27 | 0.125 | 80.27 | 80.0 | 0.00 | 0.00 | 71.83 | 8.00 | 0.44 | 9 |
| WCT062_05_01 | 78.20 | 0.122 | 78.20 | 80.0 | 56.17 | 0.00 | 18.81 | 1.92 | 1.30 | 36 |
| WCT062_05_02 | 12.56 | 0.020 | 12.56 | 80.0 | 0.00 | 0.00 | 12.56 | 0.00 | 0.00 | 0 |
| WCT062_05_03 | 49.53 | 0.077 | 49.53 | 80.0 | 0.00 | 0.00 | 49.53 | 0.00 | 0.00 | 0 |
| Watershed | 619.31 | 0.968 | 619.30 | 80.0 | 146.61 | 0.00 | 453.35 | 17.59 | 1.74 | 14 |
| POST-PROJECT CONDITION | | | | | | | | | | |
| WCT056_10_01 | 99.05 | 0.155 | 99.05 | 80.0 | 85.75 | 0.00 | 5.56 | 7.75 | 0.00 | 45 |
| WCT056_10_02 | 12.00 | 0.019 | 12.00 | 80.0 | 4.68 | 0.00 | 7.32 | 0.00 | 0.00 | 18 |
| WCT056_10_03.1 | 33.63 | 0.053 | 33.63 | 80.0 | 27.06 | 0.00 | 0.00 | 6.57 | 0.00 | 51 |
| WCT056_10_03.2 | 55.11 | 0.086 | 55.11 | 80.0 | 19.88 | 11.63 | 12.98 | 10.63 | 0.00 | 32 |
| WCT056_10_04 | 25.38 | 0.040 | 25.38 | 80.0 | 18.09 | 0.00 | 0.00 | 7.29 | 0.00 | 54 |
| WCT056_10_05.1 | 17.17 | 0.027 | 17.17 | 80.0 | 13.75 | 0.00 | 0.00 | 3.43 | 0.00 | 52 |
| WCT056_10_05.2 | 20.70 | 0.032 | 20.70 | 80.0 | 1.38 | 0.00 | 19.29 | 0.04 | 0.00 | 4 |
| WCT056_10_05.3 | 26.28 | 0.041 | 26.28 | 80.0 | 20.33 | 0.00 | 0.21 | 5.75 | 0.00 | 52 |
| WCT056_10_05.4 | 16.88 | 0.026 | 16.88 | 80.0 | 9.51 | 0.00 | 7.37 | 0.00 | 0.00 | 26 |
| WCT056_10_05.5 | 17.14 | 0.027 | 17.14 | 80.0 | 0.65 | 0.00 | 7.65 | 0.02 | 8.83 | 54 |
| WCT056_10_06.1 | 30.97 | 0.048 | 30.97 | 80.0 | 22.87 | 0.00 | 0.00 | 8.10 | 0.00 | 53 |
| WCT056_10_06.2 | 6.71 | 0.010 | 6.71 | 80.0 | 0.00 | 0.01 | 6.70 | 0.00 | 0.00 | 1 |
| WCT056_10_07.1 | 6.33 | 0.010 | 6.33 | 80.0 | 2.10 | 0.00 | 1.72 | 2.51 | 0.00 | 45 |
| WCT056_10_07.2 | 44.11 | 0.069 | 44.11 | 80.0 | 0.00 | 0.00 | 44.11 | 0.00 | 0.00 | 0 |
| WCT056_10_08 | 76.80 | 0.120 | 76.80 | 80.0 | 5.49 | 0.00 | 62.34 | 8.53 | 0.44 | 13 |
| WCT062_05_01 | 68.93 | 0.108 | 68.93 | 80.0 | 58.31 | 0.00 | 8.16 | 1.15 | 1.30 | 42 |
| WCT062_05_02 | 12.56 | 0.020 | 12.56 | 80.0 | 0.00 | 0.00 | 12.56 | 0.00 | 0.00 | 0 |
| WCT062_05_03 | 49.53 | 0.077 | 49.53 | 80.0 | 0.00 | 0.00 | 49.53 | 0.00 | 0.00 | 0 |
| Watershed | 619.31 | 0.968 | 619.31 | 80.0 | 289.85 | 11.64 | 245.50 | 61.77 | 10.57 | 31 |

Shaded areas indicate basins entirely or partially on-site

| HEC-HMS Element | Area (ac) | Area (sq. mi.) | Soils in Acres D 80 | Composite Base CN | SF 45 | O 5 | G 0 | S 75 | W 100 | Composite Percent Imp |
|---|---|---|---|---|---|---|---|---|---|---|
| ULTIMATE CONDITION | | | | | | | | | | |
| WCT056_10_01 | 99.05 | 0.155 | 99.05 | 80.0 | 91.31 | 0.00 | 0.00 | 7.75 | 0.00 | 48 |
| WCT056_10_02 | 12.00 | 0.019 | 12.00 | 80.0 | 4.68 | 0.00 | 7.32 | 0.00 | 0.00 | 18 |
| WCT056_10_03.1 | 33.63 | 0.053 | 33.63 | 80.0 | 27.06 | 0.00 | 0.00 | 6.57 | 0.00 | 51 |
| WCT056_10_03.2 | 55.11 | 0.086 | 55.11 | 80.0 | 32.85 | 11.63 | 0.01 | 10.63 | 0.00 | 43 |
| WCT056_10_04 | 25.38 | 0.040 | 25.38 | 80.0 | 18.09 | 0.00 | 0.00 | 7.29 | 0.00 | 54 |
| WCT056_10_05.1 | 17.17 | 0.027 | 17.17 | 80.0 | 13.75 | 0.00 | 0.00 | 3.43 | 0.00 | 52 |
| WCT056_10_05.2 | 20.70 | 0.032 | 20.70 | 80.0 | 20.60 | 0.00 | 0.06 | 0.04 | 0.00 | 45 |
| WCT056_10_05.3 | 26.28 | 0.041 | 26.28 | 80.0 | 20.33 | 0.00 | 0.21 | 5.75 | 0.00 | 52 |
| WCT056_10_05.4 | 16.88 | 0.026 | 16.88 | 80.0 | 9.51 | 0.00 | 7.37 | 0.00 | 0.00 | 26 |
| WCT056_10_05.5 | 17.14 | 0.027 | 17.14 | 80.0 | 0.65 | 0.00 | 7.65 | 0.02 | 8.83 | 54 |
| WCT056_10_06.1 | 30.97 | 0.048 | 30.97 | 80.0 | 22.87 | 0.00 | 0.00 | 8.10 | 0.00 | 53 |
| WCT056_10_06.2 | 6.71 | 0.010 | 6.71 | 80.0 | 6.70 | 0.01 | 0.00 | 0.00 | 0.00 | 45 |
| WCT056_10_07.1 | 6.33 | 0.010 | 6.33 | 80.0 | 2.18 | 0.00 | 1.64 | 2.51 | 0.00 | 45 |
| WCT056_10_07.2 | 44.11 | 0.069 | 44.11 | 80.0 | 37.93 | 0.00 | 6.18 | 0.00 | 0.00 | 39 |
| WCT056_10_08 | 76.80 | 0.120 | 76.80 | 80.0 | 58.86 | 0.00 | 8.97 | 8.53 | 0.44 | 44 |
| WCT062_05_01 | 68.93 | 0.108 | 68.93 | 80.0 | 58.31 | 0.00 | 8.16 | 1.15 | 1.30 | 42 |
| WCT062_05_02 | 12.56 | 0.020 | 12.56 | 80.0 | 8.27 | 0.00 | 4.29 | 0.00 | 0.00 | 30 |
| WCT062_05_03 | 49.53 | 0.077 | 49.53 | 80.0 | 49.49 | 0.00 | 0.05 | 0.00 | 0.00 | 45 |
| Watershed | 619.31 | 0.968 | 619.31 | 80.0 | 483.44 | 11.64 | 51.91 | 61.77 | 10.57 | 45 |

Shaded areas indicate basins entirely or partially on-site

| Soil Type | Base CN |
|---|---|
| A | 39 |
| B | 61 |
| C | 74 |
| D | 80 |

*Source: City of Austin Drainage Criteria Manual*
*Table 2-5 - Open Space, Good Condition*

| Code | Description | % Imp |
|---|---|---|
| SF | Single Family Residential | 45 |
| O | Open Space, Landscape | 5 |
| G | Crops, Grassland, Pasture, Unimproved | 0 |
| S | Roads | 75 |
| W | Open Water | 100 |

*Source: Halff Wilbarger Study from August 2021*

| Duration (hr) | Depth (in) 2-yr | 10-yr | 25-yr | 100-yr |
|---|---|---|---|---|
| 0.08 | 0.523 | 0.767 | 0.932 | 1.210 |
| 0.25 | 1.050 | 1.530 | 1.860 | 2.400 |
| 1 | 1.930 | 2.830 | 3.440 | 4.450 |
| 3 | 2.630 | 4.100 | 5.170 | 7.090 |
| 6 | 3.080 | 4.930 | 6.300 | 8.820 |
| 12 | 3.530 | 5.690 | 7.300 | 10.300 |
| 24 | 4.010 | 6.460 | 8.290 | 11.700 |

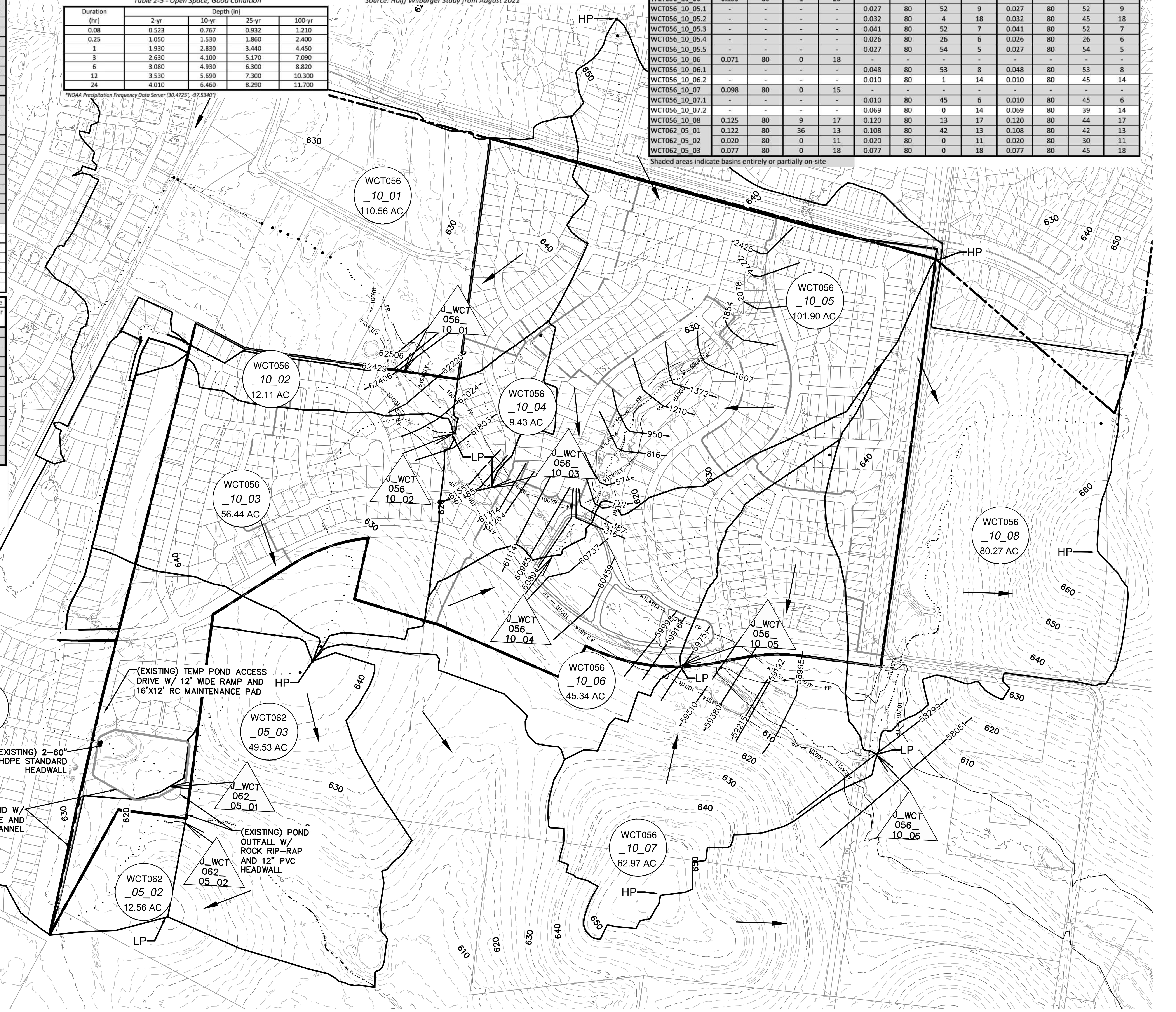
*NOAA Precipitation Frequency Data Server (30.4725°, -97.5340°)

| HEC-HMS Element | Total Length (ft) | Sheet Flow Length (ft) | Sheet Flow Surface | Manning's n-value | P2 (in) | Slope (ft/ft) | Time (min) | Shallow Concentrated Length (ft) | Surface | Velocity Coeff. | Slope (ft/ft) | V (ft/s) | Time (min) | Channel / Pipe Flow Type | Length (ft) | V (ft/s) | Time (min) | Total Time (min) | Lag Time (min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRE-PROJECT CONDITION | | | | | | | | | | | | | | | | | | | |
| WCT056_10_01 | 2,905 | 50 | Grass | 0.15 | 4.01 | 0.005 | 9 | 75 | Unpaved | 16.13 | 0.043 | 3.33 | 0.4 | Channel<br>Pipe<br>Pond | 1,870<br>480<br>430 | 5<br>8<br>1 | 6<br>1<br>7 | 24 | 14 |
| WCT056_10_02 | 2,435 | 50 | Grass | 0.15 | 4.01 | 0.012 | 6 | 75<br>505<br>1,325 | Unpaved<br>Paved<br>Unpaved | 16.13<br>20.33<br>16.13 | 0.025<br>0.006<br>0.020 | 2.57<br>1.51<br>2.28 | 0.5<br>6<br>10 | Channel | 480 | 5 | 2 | 24 | 14 |
| WCT056_10_03 | 2,235 | 100 | Grass | 0.15 | 4.01 | 0.005 | 15 | 1,385 | Unpaved | 16.13 | 0.015 | 1.98 | 12 | Channel | 750 | 5 | 3 | 29 | 18 |
| WCT056_10_04 | 1,260 | 100 | Grass | 0.15 | 4.01 | 0.018 | 9 | 1,010 | Unpaved | 16.13 | 0.019 | 2.24 | 8 | Channel | 150 | 5 | 1 | 17 | 10 |
| WCT056_10_05 | 3,900 | 100 | Grass | 0.15 | 4.01 | 0.005 | 15 | 2,165 | Unpaved | 16.13 | 0.012 | 1.74 | 21 | Channel | 1,635 | 5 | 5 | 41 | 25 |
| WCT056_10_06 | 2,490 | 100 | Grass | 0.15 | 4.01 | 0.008 | 13 | 2,105 | Unpaved | 16.13 | 0.017 | 2.09 | 17 | Channel | 285 | 5 | 1 | 30 | 18 |
| WCT056_10_07 | 2,895 | 100 | Grass | 0.15 | 4.01 | 0.010 | 12 | 1,115 | Unpaved | 16.13 | 0.020 | 2.29 | 8 | Channel | 1,680 | 5 | 6 | 25 | 15 |
| WCT056_10_08 | 3,200 | 100 | Grass | 0.15 | 4.01 | 0.013 | 10 | 820 | Unpaved | 16.13 | 0.039 | 3.20 | 4 | Channel<br>Pond | 1,770<br>510 | 5<br>1 | 6<br>9 | 29 | 17 |
| WCT062_05_01 | 3,430 | 50 | Grass | 0.15 | 4.01 | 0.012 | 6 | 80 | Unpaved | 16.13 | 0.024 | 2.49 | 1 | Pipe<br>Pond | 2,790<br>510 | 8<br>1 | 6<br>9 | 21 | 13 |
| WCT062_05_02 | 1,165 | 100 | Grass | 0.15 | 4.01 | 0.016 | 10 | 915 | Unpaved | 16.13 | 0.014 | 1.93 | 8 | Channel | 150 | 5 | 1 | 18 | 11 |
| WCT062_05_03 | 3,025 | 100 | Grass | 0.15 | 4.01 | 0.005 | 15 | 1,390 | Unpaved | 16.13 | 0.021 | 2.34 | 10 | Channel | 1,535 | 5 | 5 | 30 | 18 |

Shaded areas indicate basins entirely or partially on-site

| HEC-HMS Element | Pre-Project Area (sqmi) | CN | %IMP | Lag (min) | Post-Project Area (sqmi) | CN | %IMP | Lag (min) | Ultimate Area (sqmi) | CN | %IMP | Lag (min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WCT056_10_01 | 0.173 | 80 | 38 | 14 | 0.155 | 80 | 45 | 14 | 0.155 | 80 | 48 | 14 |
| WCT056_10_02 | 0.019 | 80 | 10 | 14 | 0.019 | 80 | 18 | 6 | 0.019 | 80 | 18 | 6 |
| WCT056_10_03 | 0.088 | 80 | 6 | 18 | - | - | - | - | - | - | - | - |
| WCT056_10_03.1 | - | - | - | - | 0.053 | 80 | 51 | 10 | 0.053 | 80 | 51 | 10 |
| WCT056_10_03.2 | - | - | - | - | 0.086 | 80 | 32 | 12 | 0.086 | 80 | 43 | 12 |
| WCT056_10_04 | 0.015 | 80 | 0 | 10 | 0.040 | 80 | 54 | 6 | 0.040 | 80 | 54 | 6 |
| WCT056_10_05 | 0.159 | 80 | 1 | 25 | - | - | - | - | - | - | - | - |
| WCT056_10_05.1 | - | - | - | - | 0.027 | 80 | 52 | 9 | 0.027 | 80 | 52 | 9 |
| WCT056_10_05.2 | - | - | - | - | 0.032 | 80 | 4 | 18 | 0.032 | 80 | 45 | 18 |
| WCT056_10_05.3 | - | - | - | - | 0.041 | 80 | 52 | 7 | 0.041 | 80 | 52 | 7 |
| WCT056_10_05.4 | - | - | - | - | 0.026 | 80 | 26 | 6 | 0.026 | 80 | 26 | 6 |
| WCT056_10_05.5 | - | - | - | - | 0.027 | 80 | 54 | 5 | 0.027 | 80 | 54 | 5 |
| WCT056_10_06 | 0.071 | 80 | 0 | 18 | - | - | - | - | - | - | - | - |
| WCT056_10_06.1 | - | - | - | - | 0.048 | 80 | 53 | 8 | 0.048 | 80 | 53 | 8 |
| WCT056_10_06.2 | - | - | - | - | 0.010 | 80 | 1 | 14 | 0.010 | 80 | 45 | 14 |
| WCT056_10_07 | 0.098 | 80 | 0 | 15 | - | - | - | - | - | - | - | - |
| WCT056_10_07.1 | - | - | - | - | 0.010 | 80 | 45 | 6 | 0.010 | 80 | 45 | 6 |
| WCT056_10_07.2 | - | - | - | - | 0.069 | 80 | 0 | 14 | 0.069 | 80 | 39 | 14 |
| WCT056_10_08 | 0.125 | 80 | 9 | 17 | 0.120 | 80 | 13 | 17 | 0.120 | 80 | 44 | 17 |
| WCT062_05_01 | 0.122 | 80 | 36 | 13 | 0.108 | 80 | 42 | 13 | 0.108 | 80 | 42 | 13 |
| WCT062_05_02 | 0.020 | 80 | 0 | 11 | 0.020 | 80 | 0 | 11 | 0.020 | 80 | 30 | 11 |
| WCT062_05_03 | 0.077 | 80 | 0 | 18 | 0.077 | 80 | 0 | 18 | 0.077 | 80 | 45 | 18 |

Shaded areas indicate basins entirely or partially on-site




## LEGEND

| | |
|---|---|
| A1.01 0.53 | DRAINAGE AREA |
| WCT 0.53 | POINT OF ANALYSIS |
| | DRAINAGE FLOW ARROW |
| | DRAINAGE AREA BOUNDARY |
| | TIME OF CONCENTRATION PATH |
| | BOUNDARY |
| | SECTION BOUNDARY |
| – FP — FEMA — 100YR — | FEMA 100YR FLOODPLAIN |
| ATLAS14 — 100YR — FP | ATLAS 14 100YR FLOODPLAIN |
| — — 600 — — | EXISTING CONTOUR |

## NOTES

1. EXISTING CONTOUR INFORMATION SHOWN IS AT 2 FOOT INTERVALS. CONTOURS ARE COMPUTER GENERATED FROM ON THE GROUND SURVEY CONDUCTED BY LANDPOINT SURVEYING LTD DATED 2016 & 2020. THE CONTOURS OUTSIDE OF THE PROPERTY BOUNDARY ARE COMPUTER GENERATED USING TNRIS STRATEGIC MAPPING PROGRAM (STRATMAP) 2021 BEXAR AND TRAVIS COUNTY CENTRAL TEXAS LIDAR.
2. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.
3. REFER TO THE RIDGE AT BLACKHAWK PHASE 2 DRAINAGE STUDY DATED FEBRUARY 2024 BY PAPE–DAWSON ENGINEERS FOR ADDITIONAL INFORMATION.

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025


PAPE–DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
CITY OF PFLUGERVILLE ETJ, TEXAS

EXISTING DRAINAGE

CITY NO. PP2024–000105
JOB NO. 51443–00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 20 of 31

Date: Aug 18, 2025, 9:29am User ID: andrew.cagle
File: H:\Projects\514\43\00\212 Preliminary\Civil\ED51443–00.dwg


THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.

| HEC-HMS Element | Area (ac.) | 2-year (cfs) | Pre-Project 10-year (cfs) | 25-year (cfs) | 100-year (cfs) | HEC-HMS Element | Area (ac.) | 2-year (cfs) | Post-Project 10-year (cfs) | 25-year (cfs) | 100-year (cfs) | Area (sq. mi.) | 2-year (cfs) | Difference 10-year (cfs) | 25-year (cfs) | 100-year (cfs) | Ultimate 100-year (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WCT056_10_01 | 0.173 | 286 | 495 | 685 | 919 | WCT056_10_01 | 0.155 | 260 | 434 | 599 | 741 | 0.0180 | -23 | -61 | -86 | -178 | 741 |
| WCT056_10_02 | 0.019 | 36 | 64 | 89 | 124 | WCT056_10_02 | 0.019 | 40 | 70 | 98 | 124 | 0.0003 | 13 | 22 | 28 | 37 | 124 |
| WCT056_10_03 | 0.088 | 126 | 194 | 255 | 353 | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | WCT056_10_03.1 | 0.053 | 109 | 176 | 221 | 296 | - | - | - | - | - | 296 |
| - | - | - | - | - | - | WCT056_10_03.2 | 0.086 | 148 | 240 | 319 | 434 | - | - | - | - | - | 440 |
| WCT056_10_04 | 0.015 | 23 | 43 | 57 | 79 | WCT056_10_04 | 0.040 | 102 | 162 | 204 | 273 | 0.0250 | 79 | 120 | 147 | 194 | 273 |
| WCT056_10_05 | 0.159 | 154 | 288 | 382 | 536 | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | WCT056_10_05.1 | 0.027 | 58 | 94 | 118 | 158 | - | - | - | - | - | 158 |
| - | - | - | - | - | - | WCT056_10_05.2 | 0.032 | 58 | 79 | 92 | 129 | - | - | - | - | - | 195 |
| - | - | - | - | - | - | WCT056_10_05.3 | 0.041 | 98 | 157 | 197 | 264 | - | - | - | - | - | 264 |
| - | - | - | - | - | - | WCT056_10_05.4 | 0.026 | 57 | 98 | 126 | 172 | - | - | - | - | - | 172 |
| - | - | - | - | - | - | WCT056_10_05.5 | 0.027 | 73 | 116 | 146 | 195 | - | - | - | - | - | 195 |
| WCT056_10_06 | 0.071 | 82 | 154 | 201 | 284 | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | WCT056_10_06.1 | 0.048 | 109 | 175 | 220 | 294 | - | - | - | - | - | 294 |
| - | - | - | - | - | - | WCT056_10_06.2 | 0.010 | 13 | 25 | 32 | 45 | - | - | - | - | - | 48 |
| WCT056_10_07 | 0.098 | 126 | 232 | 307 | 429 | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | WCT056_10_07.1 | 0.010 | 24 | 40 | 50 | 67 | - | - | - | - | - | 67 |
| - | - | - | - | - | - | WCT056_10_07.2 | 0.069 | 86 | 160 | 213 | 312 | - | - | - | - | - | 317 |
| WCT056_10_08 | 0.125 | 138 | 286 | 375 | 530 | WCT056_10_08 | 0.122 | 150 | 255 | 344 | 512 | 0.0250 | 2 | 8 | -13 | -18 | 517 |
| I_WCT056_10_01 | 0.173 | 286 | 475 | 685 | 919 | I_WCT056_10_01 | 0.155 | 260 | 434 | 599 | 741 | 0.0180 | -23 | -41 | -59 | -79 | 741 |
| I_WCT056_10_02 | 0.190 | 413 | 707 | 954 | 1,248 | I_WCT056_10_02 | 0.174 | 274 | 437 | 562 | 708 | -0.1560 | -139 | -271 | -331 | -540 | 719 |
| I_WCT056_10_03 | 0.295 | 627 | 1,035 | 1,356 | 1,803 | I_WCT056_10_03 | 0.257 | 387 | 608 | 763 | 1,002 | -0.0280 | -40 | -129 | -187 | -299 | 1,039 |
| I_WCT056_10_04 | 0.454 | 574 | 1,011 | 1,314 | 1,814 | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | I_WCT056_10_04.1 | 0.027 | 58 | 94 | 118 | 158 | - | - | - | - | - | 158 |
| - | - | - | - | - | - | I_WCT056_10_04.2 | 0.099 | 150 | 254 | 329 | 456 | - | - | - | - | - | 461 |
| - | - | - | - | - | - | I_WCT056_10_04.3 | 0.554 | 766 | 1,288 | 1,629 | 2,107 | - | - | - | - | - | 2,178 |
| I_WCT056_10_05 | 0.525 | 684 | 1,130 | 1,478 | 2,038 | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | I_WCT056_10_05.1 | 0.164 | 521 | 930 | 1,218 | 1,683 | - | - | - | - | - | 1,694 |
| - | - | - | - | - | - | I_WCT056_10_05.2 | 0.574 | 527 | 944 | 1,238 | 1,714 | - | - | - | - | - | 1,726 |
| I_WCT056_10_06 | 0.768 | 776 | 1,421 | 1,876 | 2,603 | I_WCT056_10_06 | 0.763 | 601 | 1,150 | 1,541 | 2,113 | 0.0150 | -135 | -191 | -235 | -296 | 2,109 |
| - | - | - | - | - | - | I_WCT056_10_07 | 0.037 | 38 | 70 | 92 | 129 | - | - | - | - | - | 155 |
| - | - | - | - | - | - | I_WCT056_10_08 | 0.073 | 116 | 194 | 247 | 330 | - | - | - | - | - | 341 |

Shaded areas indicate basins entirely or partially on-site

| HEC-HMS Element | Area (ac) | Area (sq. mi.) | Soils in Acres D 80 | Composite Base CN | SF | O | G | S | W | Composite Percent Imp |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ULTIMATE CONDITION | | | | | |
| WCT056_10_01 | 99.05 | 0.155 | 99.05 | 80.0 | 91.31 | 0.00 | 0.00 | 7.75 | 0.00 | 48 |
| WCT056_10_02 | 12.00 | 0.019 | 12.00 | 80.0 | 4.68 | 0.00 | 7.32 | 0.00 | 0.00 | 18 |
| WCT056_10_03.1 | 33.63 | 0.053 | 33.63 | 80.0 | 27.06 | 0.00 | 0.00 | 6.57 | 0.00 | 51 |
| WCT056_10_03.2 | 55.11 | 0.086 | 55.11 | 80.0 | 32.85 | 11.63 | 0.01 | 10.63 | 0.00 | 43 |
| WCT056_10_04 | 25.38 | 0.040 | 25.38 | 80.0 | 18.09 | 0.00 | 0.00 | 7.29 | 0.00 | 54 |
| WCT056_10_05.1 | 17.17 | 0.027 | 17.17 | 80.0 | 13.75 | 0.00 | 0.00 | 3.43 | 0.00 | 52 |
| WCT056_10_05.2 | 20.70 | 0.032 | 20.70 | 80.0 | 20.60 | 0.00 | 0.06 | 0.04 | 0.00 | 45 |
| WCT056_10_05.3 | 26.28 | 0.041 | 26.28 | 80.0 | 20.33 | 0.00 | 0.21 | 5.75 | 0.00 | 52 |
| WCT056_10_05.4 | 16.88 | 0.026 | 16.88 | 80.0 | 9.51 | 0.00 | 7.37 | 0.00 | 0.00 | 26 |
| WCT056_10_05.5 | 17.14 | 0.027 | 17.14 | 80.0 | 7.65 | 0.00 | 7.65 | 0.02 | 8.83 | 54 |
| WCT056_10_06.1 | 30.97 | 0.048 | 30.97 | 80.0 | 22.87 | 0.00 | 0.00 | 8.10 | 0.00 | 53 |
| WCT056_10_06.2 | 6.71 | 0.010 | 6.71 | 80.0 | 0.00 | 0.01 | 6.70 | 0.00 | 0.00 | 1 |
| WCT056_10_07.1 | 6.33 | 0.010 | 6.33 | 80.0 | 2.10 | 0.00 | 1.72 | 2.51 | 0.00 | 45 |
| WCT056_10_07.2 | 44.11 | 0.069 | 44.11 | 80.0 | 0.00 | 0.00 | 44.11 | 0.00 | 0.00 | 0 |
| WCT056_10_08 | 76.80 | 0.120 | 76.80 | 80.0 | 5.49 | 0.00 | 52.34 | 8.53 | 0.44 | 13 |
| WCT062_05_01 | 68.93 | 0.108 | 68.93 | 80.0 | 58.31 | 0.00 | 8.16 | 1.15 | 1.30 | 42 |
| WCT062_05_02 | 12.56 | 0.020 | 12.56 | 80.0 | 0.00 | 0.00 | 12.56 | 0.00 | 0.00 | 0 |
| WCT062_05_03 | 49.53 | 0.077 | 49.53 | 80.0 | 0.00 | 0.00 | 49.53 | 0.00 | 0.00 | 0 |
| **Watershed** | **619.31** | **0.968** | **619.31** | **80.0** | **483.44** | **11.64** | **51.91** | **61.77** | **10.57** | **45** |

Shaded areas indicate basins entirely or partially on-site

| Soil Type | Base CN |
|---|---|
| A | 39 |
| B | 61 |
| C | 74 |
| D | 80 |

*Source: City of Austin Drainage Criteria Manual*

*Table 2-5 - Open Space, Good Condition*

| Code | Description | % Imp |
|---|---|---|
| SF | Single Family Residential | 45 |
| O | Open Space, Landscape | 5 |
| G | Crops, Grassland, Pasture, Unimproved | 0 |
| S | Roads | 75 |
| W | Open Water | 100 |

*Source: Halff Wilbarger Study from August 2021*

| Cross Section | Pre-Project 2-Year (1) | Pre-Project 10-Year (2) | Pre-Project 25-Year (3) | Pre-Project 100-Year (4) | Post-Project 2-Year (5) | Post-Project 10-Year (6) | Post-Project 25-Year (7) | Post-Project 100-Year (8) | Difference 2-Year (5) - (1) | Difference 10-Year (6) -(2) | Difference 25-Year (7) - (3) | Difference 100-Year (8) - (4) | Ultimate 100-Year |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62506 | 620.12 | 620.46 | 620.63 | 620.83 | 620.08 | 620.40 | 620.57 | 620.76 | -0.04 | -0.06 | -0.06 | -0.07 | 620.76 |
| 62429 | 619.82 | 620.10 | 620.25 | 620.46 | 619.78 | 620.04 | 620.19 | 620.39 | -0.04 | -0.06 | -0.06 | -0.07 | 620.39 |
| 62406 | 619.67 | 619.97 | 620.12 | 620.35 | 619.64 | 619.90 | 620.06 | 620.28 | -0.03 | -0.07 | -0.06 | -0.07 | 620.28 |
| 62220 | 618.75 | 619.16 | 619.34 | 619.60 | 618.71 | 619.07 | 619.27 | 619.54 | -0.04 | -0.09 | -0.07 | -0.06 | 619.54 |
| 62024 | 618.14 | 618.57 | 618.76 | 619.03 | 618.05 | 618.37 | 618.50 | 618.61 | -0.09 | -0.20 | -0.26 | -0.42 | 618.62 |
| 61803 | 616.92 | 617.27 | 617.47 | 617.76 | 616.57 | 616.88 | 617.15 | 618.12 | -0.35 | -0.39 | -0.32 | **0.36** | 618.15 |
| 61551 | 615.49 | 615.92 | 616.16 | 616.51 | - | - | - | - | - | - | - | - | - |
| 61485 | 615.09 | 615.49 | 615.71 | 616.04 | 615.32 | 616.45 | 616.77 | 618.01 | **0.23** | **0.96** | **1.06** | **1.97** | 618.04 |
| 61400 | - | - | - | - | 615.22 | 616.40 | 616.71 | 617.97 | - | - | - | - | 618.00 |
| 61350 | Herbert Bohls Culvert | | | | | | | | | | | | |
| 61314 | 614.17 | 614.62 | 614.89 | 615.24 | 614.23 | 614.64 | 615.08 | 615.32 | **0.06** | **0.02** | **0.19** | **0.08** | 615.34 |
| 61264 | 613.97 | 614.46 | 614.73 | 615.09 | 613.99 | 614.42 | 614.68 | 615.28 | **0.02** | -0.04 | -0.05 | **0.19** | 615.30 |
| 61114 | 613.51 | 614.07 | 614.37 | 614.76 | - | - | - | - | - | - | - | - | - |
| 61000 | - | - | - | - | 613.51 | 614.13 | 614.49 | 615.17 | - | - | - | - | 615.19 |
| 60985 | 613.38 | 613.93 | 614.23 | 614.62 | 612.63 | 613.31 | 613.93 | 614.90 | -0.75 | -0.62 | -0.30 | **0.28** | 614.92 |
| 60980 | Inline Structure | | | | | | | | | | | | |
| 60894 | 613.22 | 613.72 | 614.00 | 614.38 | 612.31 | 613.36 | 614.01 | 614.96 | -0.91 | -0.36 | **0.01** | **0.58** | 614.98 |
| 60737 | 612.87 | 613.34 | 613.61 | 613.99 | - | - | - | - | - | - | - | - | - |
| 60644 | - | - | - | - | 612.31 | 613.36 | 614.01 | 614.96 | - | - | - | - | 614.98 |
| 60506 | - | - | - | - | 612.30 | 613.35 | 614.00 | 614.96 | - | - | - | - | 614.98 |
| 60459 | 612.04 | 612.53 | 612.79 | 613.23 | - | - | - | - | - | - | - | - | - |
| 60308 | - | - | - | - | 612.28 | 613.34 | 613.99 | 614.94 | - | - | - | - | 614.96 |
| 60104 | - | - | - | - | 612.27 | 613.33 | 613.98 | 614.93 | - | - | - | - | 614.95 |
| 59998 | 610.54 | 611.16 | 611.50 | 612.00 | - | - | - | - | - | - | - | - | - |
| 59983 | - | - | - | - | 612.26 | 613.31 | 613.96 | 614.91 | - | - | - | - | 614.93 |
| 59916 | 610.36 | 610.98 | 611.34 | 611.80 | - | - | - | - | - | - | - | - | - |
| 59793 | - | - | - | - | 612.25 | 613.31 | 613.96 | 614.92 | - | - | - | - | - |
| 59751 | 610.08 | 610.71 | 611.05 | 611.49 | - | - | - | - | - | - | - | - | - |
| 59728 | - | - | - | - | 612.25 | 613.31 | 613.96 | 614.91 | - | - | - | - | 614.93 |
| 59600 | Spediel Drive Culvert | | | | | | | | | | | | |
| 59510 | 609.52 | 610.09 | 610.38 | 610.81 | 609.32 | 609.82 | 610.09 | 610.46 | -0.20 | -0.27 | -0.29 | -0.35 | 610.47 |
| 59380 | 608.95 | 609.47 | 609.74 | 610.13 | 608.80 | 609.27 | 609.54 | 609.90 | -0.15 | -0.20 | -0.20 | -0.23 | 609.91 |
| 59215 | 607.86 | 608.43 | 608.70 | 609.08 | 607.71 | 608.24 | 608.52 | 608.87 | -0.15 | -0.19 | -0.18 | -0.21 | 608.88 |
| 59192 | 607.74 | 608.31 | 608.57 | 608.94 | 607.59 | 608.12 | 608.39 | 608.74 | -0.15 | -0.19 | -0.18 | -0.20 | 608.75 |
| 58995 | 606.98 | 607.62 | 607.93 | 608.39 | 606.82 | 607.43 | 607.75 | 608.17 | -0.16 | -0.19 | -0.18 | -0.22 | 608.19 |
| 58299 | 604.68 | 605.33 | 605.70 | 606.24 | 604.53 | 605.15 | 605.51 | 606.03 | -0.15 | -0.18 | -0.19 | -0.21 | 606.06 |
| 58051 | 604.22 | 604.87 | 605.25 | 605.80 | 604.07 | 604.69 | 605.06 | 605.58 | -0.15 | -0.18 | -0.19 | -0.22 | 605.61 |

Shaded areas indicate cross sections entirely or partially on-site

| | Maximum On-site Increase (ft) | Maximum On-site Decrease (ft) | Maximum Off-site Increase (ft) | Maximum Off-site Decrease (ft) |
|---|---|---|---|---|
| 2-yr | 0.23 | -2.11 | 0.00 | -0.20 |
| 10-yr | 0.96 | -1.26 | 0.00 | -0.27 |
| 25-yr | 1.06 | -0.74 | 0.00 | -0.29 |
| 100-yr | 1.97 | -0.42 | 0.00 | -0.35 |

| Duration (hr) | Depth (in) 2-yr | 10-yr | 25-yr | 100-yr |
|---|---|---|---|---|
| 0.08 | 0.523 | 0.767 | 0.932 | 1.210 |
| 0.25 | 1.050 | 1.530 | 1.860 | 2.400 |
| 1 | 1.930 | 2.830 | 3.440 | 4.450 |
| 3 | 2.630 | 4.100 | 5.170 | 7.090 |
| 6 | 3.080 | 4.930 | 6.300 | 8.820 |
| 12 | 3.530 | 5.690 | 7.300 | 10.300 |
| 24 | 4.010 | 6.460 | 8.290 | 11.700 |

**NOAA Precipitation Frequency Data Server (30.4725°, -97.5340°)*

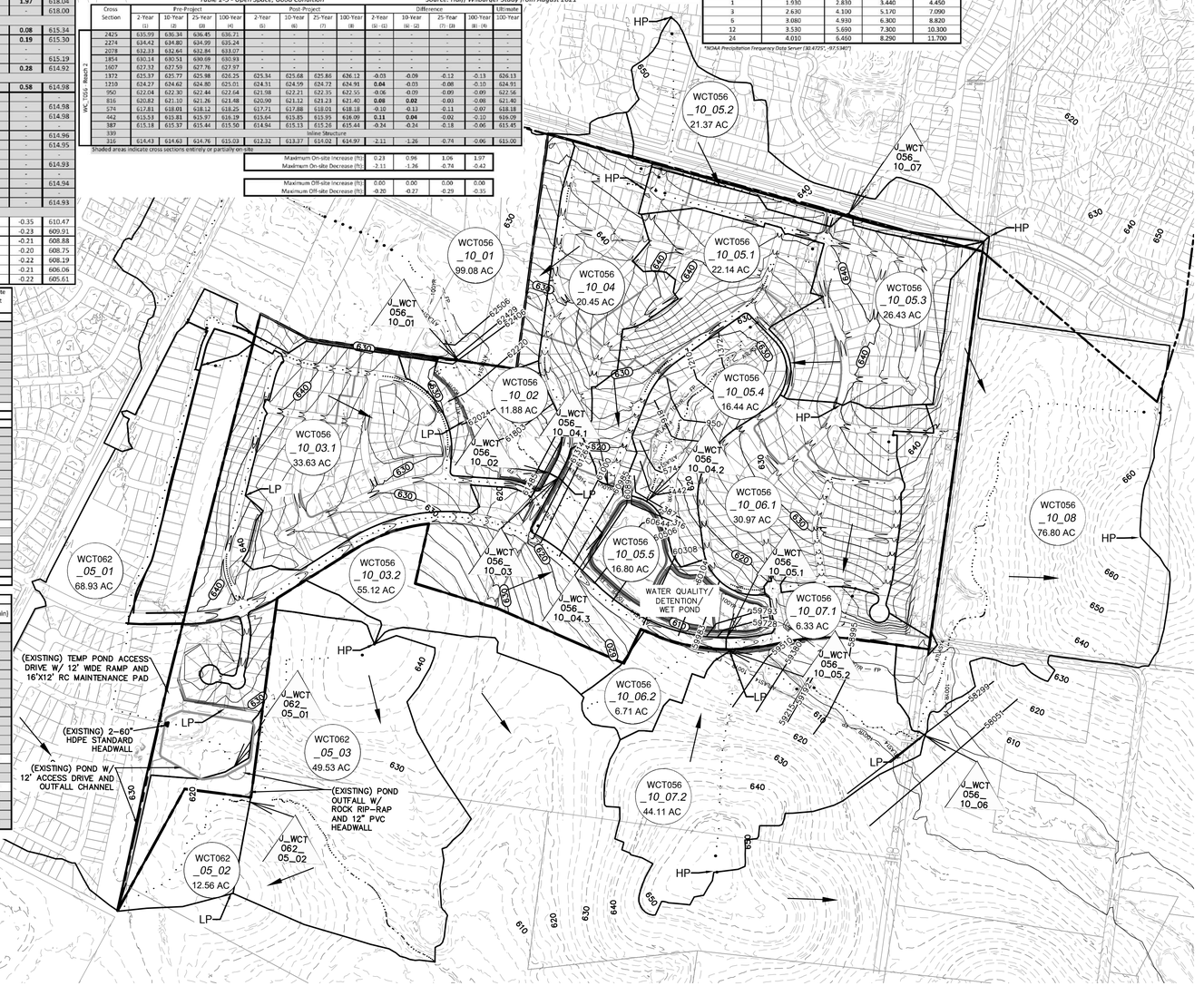
Shaded areas indicate basins entirely or partially on-site

| HEC-HMS Element | Area (ac) | Area (sq. mi.) | Soils in Acres D 80 | Composite Base CN | SF 45 | O 5 | G 0 | S 75 | W 100 | Composite Percent Imp |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | PRE-PROJECT CONDITION | | | | | | |
| WCT056_10_01 | 110.56 | 0.173 | 110.56 | 80.0 | 80.25 | 0.00 | 22.72 | 7.59 | 0.00 | 38 |
| WCT056_10_02 | 12.11 | 0.019 | 12.11 | 80.0 | 2.69 | 0.00 | 9.42 | 0.00 | 0.00 | 10 |
| WCT056_10_03 | 56.44 | 0.088 | 56.44 | 80.0 | 7.50 | 0.00 | 48.93 | 0.00 | 0.00 | 6 |
| WCT056_10_04 | 9.43 | 0.015 | 9.43 | 80.0 | 0.00 | 0.00 | 9.43 | 0.00 | 0.00 | 0 |
| WCT056_10_05 | 101.90 | 0.159 | 101.90 | 80.0 | 0.00 | 0.00 | 101.81 | 0.08 | 0.00 | 1 |
| WCT056_10_06 | 45.34 | 0.071 | 45.34 | 80.0 | 0.00 | 0.00 | 45.34 | 0.00 | 0.00 | 0 |
| WCT056_10_07 | 62.97 | 0.098 | 62.97 | 80.0 | 0.00 | 0.00 | 62.97 | 0.00 | 0.00 | 0 |
| WCT056_10_08 | 80.27 | 0.125 | 80.27 | 80.0 | 0.00 | 0.00 | 71.83 | 8.00 | 0.44 | 9 |
| WCT062_05_01 | 78.20 | 0.122 | 78.20 | 80.0 | 56.17 | 0.00 | 18.81 | 1.92 | 1.30 | 36 |
| WCT062_05_02 | 12.56 | 0.020 | 12.56 | 80.0 | 0.00 | 0.00 | 12.56 | 0.00 | 0.00 | 0 |
| WCT062_05_03 | 49.53 | 0.077 | 49.53 | 80.0 | 0.00 | 0.00 | 49.53 | 0.00 | 0.00 | 0 |
| **Watershed** | **619.31** | **0.968** | **619.30** | **80.0** | **146.61** | **0.00** | **453.35** | **17.59** | **1.74** | **14** |
| | | | | POST-PROJECT CONDITION | | | | | | |
| WCT056_10_01 | 99.05 | 0.155 | 99.05 | 80.0 | 85.75 | 0.00 | 5.56 | 7.75 | 0.00 | 45 |
| WCT056_10_02 | 12.00 | 0.019 | 12.00 | 80.0 | 4.68 | 0.00 | 7.32 | 0.00 | 0.00 | 18 |
| WCT056_10_03.1 | 33.63 | 0.053 | 33.63 | 80.0 | 27.06 | 0.00 | 0.00 | 6.57 | 0.00 | 51 |
| WCT056_10_03.2 | 55.11 | 0.086 | 55.11 | 80.0 | 19.88 | 11.63 | 12.98 | 10.63 | 0.00 | 32 |
| WCT056_10_04 | 25.38 | 0.040 | 25.38 | 80.0 | 18.09 | 0.00 | 0.00 | 7.29 | 0.00 | 54 |
| WCT056_10_05.1 | 17.17 | 0.027 | 17.17 | 80.0 | 13.75 | 0.00 | 0.00 | 3.43 | 0.00 | 52 |
| WCT056_10_05.2 | 20.70 | 0.032 | 20.70 | 80.0 | 1.38 | 0.00 | 19.29 | 0.04 | 0.00 | 4 |
| WCT056_10_05.3 | 26.28 | 0.041 | 26.28 | 80.0 | 20.33 | 0.00 | 0.21 | 5.75 | 0.00 | 52 |
| WCT056_10_05.4 | 16.88 | 0.026 | 16.88 | 80.0 | 9.51 | 0.00 | 7.37 | 0.00 | 0.00 | 26 |
| WCT056_10_05.5 | 17.14 | 0.027 | 17.14 | 80.0 | 0.65 | 0.00 | 7.65 | 0.02 | 8.83 | 54 |
| WCT056_10_06.1 | 30.97 | 0.048 | 30.97 | 80.0 | 22.87 | 0.00 | 0.00 | 8.10 | 0.00 | 53 |
| WCT056_10_06.2 | 6.71 | 0.010 | 6.71 | 80.0 | 0.00 | 0.01 | 6.70 | 0.00 | 0.00 | 1 |
| WCT056_10_07.1 | 6.33 | 0.010 | 6.33 | 80.0 | 2.10 | 0.00 | 1.72 | 2.51 | 0.00 | 45 |
| WCT056_10_07.2 | 44.11 | 0.069 | 44.11 | 80.0 | 0.00 | 0.00 | 44.11 | 0.00 | 0.00 | 0 |
| WCT056_10_08 | 76.80 | 0.120 | 76.80 | 80.0 | 5.49 | 0.00 | 52.34 | 8.53 | 0.44 | 13 |
| WCT062_05_01 | 68.93 | 0.108 | 68.93 | 80.0 | 58.31 | 0.00 | 8.16 | 1.15 | 1.30 | 42 |
| WCT062_05_02 | 12.56 | 0.020 | 12.56 | 80.0 | 0.00 | 0.00 | 12.56 | 0.00 | 0.00 | 0 |
| WCT062_05_03 | 49.53 | 0.077 | 49.53 | 80.0 | 0.00 | 0.00 | 49.53 | 0.00 | 0.00 | 0 |
| **Watershed** | **619.31** | **0.968** | **619.30** | **80.0** | **299.85** | **11.64** | **245.50** | **61.77** | **13.57** | **31** |

Shaded areas indicate basins entirely or partially on-site

| HEC-HMS Element | Pre-Project Conditions Area (sqmi) | CN | %IMP | Lag (min) | Post-Project Conditions Area (sqmi) | CN | %IMP | Lag (min) | Ultimate Conditions Area (sqmi) | CN | %IMP | Lag (min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WCT056_10_01 | 0.173 | 80 | 38 | 14 | 0.155 | 80 | 45 | 14 | 0.155 | 80 | 48 | 14 |
| WCT056_10_02 | 0.019 | 80 | 10 | 14 | 0.019 | 80 | 18 | 6 | 0.019 | 80 | 18 | 6 |
| WCT056_10_03 | 0.088 | 80 | 6 | 18 | - | - | - | - | - | - | - | - |
| WCT056_10_03.1 | - | - | - | - | 0.053 | 80 | 51 | 10 | 0.053 | 80 | 51 | 10 |
| WCT056_10_03.2 | - | - | - | - | 0.086 | 80 | 32 | 12 | 0.086 | 80 | 43 | 12 |
| WCT056_10_04 | 0.015 | 80 | 0 | 10 | 0.040 | 80 | 54 | 6 | 0.040 | 80 | 54 | 6 |
| WCT056_10_05 | 0.159 | 80 | 1 | 25 | - | - | - | - | - | - | - | - |
| WCT056_10_05.1 | - | - | - | - | 0.027 | 80 | 52 | 9 | 0.027 | 80 | 52 | 9 |
| WCT056_10_05.2 | - | - | - | - | 0.032 | 80 | 4 | 18 | 0.032 | 80 | 45 | 18 |
| WCT056_10_05.3 | - | - | - | - | 0.041 | 80 | 52 | 7 | 0.041 | 80 | 52 | 7 |
| WCT056_10_05.4 | - | - | - | - | 0.026 | 80 | 26 | 6 | 0.026 | 80 | 26 | 6 |
| WCT056_10_05.5 | - | - | - | - | 0.027 | 80 | 54 | 5 | 0.027 | 80 | 54 | 5 |
| WCT056_10_06 | 0.071 | 80 | 0 | 18 | - | - | - | - | - | - | - | - |
| WCT056_10_06.1 | - | - | - | - | 0.048 | 80 | 53 | 8 | 0.048 | 80 | 53 | 8 |
| WCT056_10_06.2 | - | - | - | - | 0.010 | 80 | 1 | 14 | 0.010 | 80 | 45 | 14 |
| WCT056_10_07 | 0.098 | 80 | 0 | 15 | - | - | - | - | - | - | - | - |
| WCT056_10_07.1 | - | - | - | - | 0.010 | 80 | 45 | 6 | 0.010 | 80 | 45 | 6 |
| WCT056_10_07.2 | - | - | - | - | 0.069 | 80 | 0 | 14 | 0.069 | 80 | 39 | 14 |
| WCT056_10_08 | 0.125 | 80 | 9 | 17 | 0.120 | 80 | 13 | 17 | 0.120 | 80 | 44 | 17 |
| WCT062_05_01 | 0.122 | 80 | 36 | 13 | 0.108 | 80 | 42 | 13 | 0.108 | 80 | 42 | 13 |
| WCT062_05_02 | 0.020 | 80 | 0 | 11 | 0.020 | 80 | 0 | 11 | 0.020 | 80 | 30 | 11 |
| WCT062_05_03 | 0.077 | 80 | 0 | 18 | 0.077 | 80 | 0 | 18 | 0.077 | 80 | 45 | 18 |

Shaded areas indicate basins entirely or partially on-site




SCALE: 1"= 400'

0' 400' 800' 1,200'

## LEGEND

- A1.01 / 0.53 — DRAINAGE AREA
- WCT 0.53 — POINT OF ANALYSIS
- DRAINAGE FLOW ARROW
- DRAINAGE AREA BOUNDARY
- TIME OF CONCENTRATION PATH
- BOUNDARY
- SECTION BOUNDARY
- FP — FEMA — 100YR — FEMA 100YR FLOODPLAIN
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN
- 600 — EXISTING CONTOUR
- 600 — PROPOSED CONTOUR

## NOTES

1. EXISTING CONTOUR INFORMATION SHOWN IS AT 2 FOOT INTERVALS. CONTOURS ARE COMPUTER GENERATED FROM ON THE GROUND SURVEY CONDUCTED BY LANDPOINT SURVEYING LTD DATED 2016 & 2020. THE CONTOURS OUTSIDE OF THE PROPERTY BOUNDARY ARE COMPUTER GENERATED USING TNRIS STRATEGIC MAPPING PROGRAM (STRATMAP) 2021 BEXAR AND TRAVIS COUNTY CENTRAL TEXAS LIDAR.
2. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.
3. REFER TO THE RIDGE AT BLACKHAWK PHASE 2 DRAINAGE STUDY DATED FEBRUARY 2024 BY PAPE-DAWSON ENGINEERS FOR ADDITIONAL INFORMATION.

DUSTIN J. GOSS 91805 LICENSED PROFESSIONAL ENGINEER 08/18/2025

| NO. | REVISION | DATE |
|---|---|---|
| | | |


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 | AUSTIN, TX 78759 | 512.454.8711
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## PROPOSED OVERALL DRAINAGE

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 21 of 31

PP2024-000105


Date: Aug 18, 2025, 9:29am User ID: andrew.coyle
File: H:\Projects\51443\03\02 Preliminary\Civil\ED51443-00.dwg
THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.

# CITY OF AUSTIN E.C.M. APPENDIX R-4

**WETPOND CALCULATIONS**

**FOR DEVELOPMENT PERMITS**

**PROJECT NAME: THE RIDGE AT BLACKHAWK**

**DRAINAGE AREA DATA:**

| | | | |
|---|---|---|---|
| Drainage Area to Control (DA) | 228.00 | ac. | |
| Drainage Area Impervious Cover | 12.00 | % | |
| Over Recharge Zone (Yes or No) | No | | |
| Annual Runoff Coefficient (Rf) Table 1-9 | 0.530 | | |
| Liner Type (Clay or Geomembrane) | Clay | liner | |
| Depth of Clay Liner | minimum 12 | in. | 12 in. |

| **WATER QUALITY CONTROL CALCULATIONS:** | **Required** | | **Provided** | |
|---|---|---|---|---|
| The Water Quality Control is to be WET POND | | | | |
| Permanent Pool Volume (PPV=0.162*Rf*DA) | 852,734.04 | cf. | 1,541,400.35 | cf. |
| Permanent Pool Area (PPA) | - | | 376,240.30 | sf. |
| Permanent Pool Elevation (PPE) | - | | 609.00 | ft. msl |
| Forebay Volume (15 to 25% of PPV) | 231,210.05 | cf. | 368,524.90 | cf. |
| Elevation of Forebay Separation (PPE - 2.0 ft.) | - | | 607.00 | ft. msl |
| Main Pool Volume | - | cf. | 509,536.90 | cf. |

**BIOLOGICAL ELEMENTS CALCULATIONS:**

| | | | |
|---|---|---|---|
| Area of Vegetative Bench (minimum 5% of PPA) | 18,812.02 | sf. | 19,564.51 sf. |
| Wetland Planting Quantity (PPA*0.3) | 11,287.21 | plants | 11,287.21 plants |
| Gambusia Affinis (200*(PPA/43560)) | 1,727.4578 | individuals | 1,727.46 individuals |

**EXTENDED DETENTION CALCULATIONS:**

| | | | |
|---|---|---|---|
| Extended Detention Peak Flow 1-year, 3-hour Storm | 204.30 | cfs | |
| Extended Detention Volume | 1459260.00 | cf. | 1,459,260.00 cf. |
| Elevation of soffit of PVC Pipe (1/2 PPE depth from bottom of Main Pool) | | | 605.5 ft. msl |
| Diameter of PVC Pipe | minimum 6 | in. | 6 in. |
| Extended Detention Drawdown Time (hours) | minimum 72 | hrs | 110.74 hrs |

Forebay A Pond

| State (ft msl) | Area (sf) | Storage (cf) |
|---|---|---|
| 605.00 | 179,305.05 | - |
| 606.00 | 184,248.32 | 181,776.68 |
| 607.00 | 189,248.11 | 368,524.90 |
| 608.00 | 194,304.43 | 560,301.17 |

Forebay B Pond

| State (ft msl) | Area (sf) | Storage (cf) |
|---|---|---|
| 607.00 | - | - |
| 608.00 | - | - |
| 609.00 | - | - |

Main Pool Pond

| State (ft msl) | Area (sf) | Storage (cf) |
|---|---|---|
| 602.00 | 92,566.36 | - |
| 603.00 | 96,234.92 | 94,400.64 |
| 604.00 | 99,960.02 | 192,498.12 |
| 605.00 | 103,741.66 | 294,348.96 |
| 606.00 | 107,579.84 | 400,009.71 |
| 607.00 | 111,474.55 | 509,536.90 |
| 608.00 | 152,374.67 | 641,461.51 |
| 609.00 | 376,240.30 | 905,768.99 |

Permanent Pool

| State (ft msl) | Area (sf) | Storage (cf) |
|---|---|---|
| 602.00 | 92,566.36 | - |
| 603.00 | 96,234.92 | 94,400.64 |
| 604.00 | 99,960.02 | 192,498.12 |
| 605.00 | 283,046.71 | 384,001.48 |
| 606.00 | 291,828.15 | 671,438.91 |
| 607.00 | 189,248.11 | 911,977.05 |
| 608.00 | 346,679.10 | 1,179,940.65 |
| 609.00 | 376,240.30 | 1,541,400.35 |

| Elevation (ft) | Volume (ac-ft) | Discharge (cfs) | Description |
|---|---|---|---|
| 610.0 | 0.0 | 0 | Normal Pool/FL of Primary Outlet |
| 611.0 | 8.9 | 155 | |
| 612.0 | 18.1 | 434 | |
| 612.3 | 20.5 | 521 | Post-Project 2-Year WSEL |
| 613.0 | 27.4 | 807 | |
| 613.3 | 30.5 | 930 | Post-Project 10-Year WSEL |
| 614.0 | 36.8 | 1,218 | Post-Project 25-Year WSEL |
| 614.9 | 46.1 | 1,683 | Post-Project 100-Year WSEL |
| 615.0 | 46.3 | 1,694 | Ultimate 100-Year WSEL |
| 616.0 | 56.3 | - | |
| 617.0 | 66.5 | - | |
| 618.0 | 76.9 | | |
| 619.0 | 87.5 | | |
| 620.0 | 98.3 | | |

| Detention Summary Table | | | | | |
|---|---|---|---|---|---|
| | Post-Project | | | | Ultimate |
| | 2-Year | 10-Year | 25-Year | 100-Year | 100-Year |
| Peak Inflow (cfs) = | 780 | 1,311 | 1,663 | 2,213 | 2,224 |
| Peak Outflow (cfs) = | 521 | 930 | 1,218 | 1,683 | 1,694 |
| Peak Storage (ac-ft) = | 20.5 | 30.5 | 36.8 | 46.1 | 46.3 |
| Peak Elevation (ft) = | 612.3 | 613.3 | 614.0 | 614.9 | 615.0 |

| Primary Outlet | |
|---|---|
| Outlet | 6-10'x4' RCB |
| Outlet length (ft) | 62.0 |
| Inlet Elevation (ft) | 610.00 |
| Entrance Coefficient | 0.4 |
| Outlet Elevation (ft) | 608.00 |
| Exit Coefficient | 1.0 |
| Manning's "n" | 0.015 |

SCALE: 1"= 400'

0' 400' 800' 1,200'

## LEGEND

- A1.01 / 0.53 — DRAINAGE AREA
- DRAINAGE FLOW ARROW
- DRAINAGE AREA BOUNDARY
- BOUNDARY
- SECTION BOUNDARY
- FP — FEMA — 100YR — FEMA 100YR FLOODPLAIN
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN
- 600 — EXISTING CONTOUR
- 600 — PROPOSED CONTOUR

## NOTES

1. EXISTING CONTOUR INFORMATION SHOWN IS AT 2 FOOT INTERVALS. CONTOURS ARE COMPUTER GENERATED FROM ON THE GROUND SURVEY CONDUCTED BY LANDPOINT SURVEYING LTD DATED 2016 & 2020. THE CONTOURS OUTSIDE OF THE PROPERTY BOUNDARY ARE COMPUTER GENERATED USING TNRIS STRATEGIC MAPPING PROGRAM (STRATMAP) 2021 BEXAR AND TRAVIS COUNTY CENTRAL TEXAS LIDAR.
2. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.
3. REFER TO THE RIDGE AT BLACKHAWK PHASE 2 DRAINAGE STUDY DATED FEBRUARY 2024 BY PAPE-DAWSON ENGINEERS FOR ADDITIONAL INFORMATION.

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED
PROFESSIONAL ENGINEER
08/18/2025


PAPE–DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 | AUSTIN, TX 78759 | 512.454.8711
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800


THE RIDGE AT BLACKHAWK PHASE 2
PRELIMINARY PLAN ONLY
CITY OF PFLUGERVILLE ETJ, TEXAS
WATER QUALITY DRAINAGE MAP

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 22 of 31

Date: Aug 15, 2025, 11:56am User ID: andrew.cagle
File: H:\Projects\51A\43\00\212 Preliminary\Civil\E051443--00.dwg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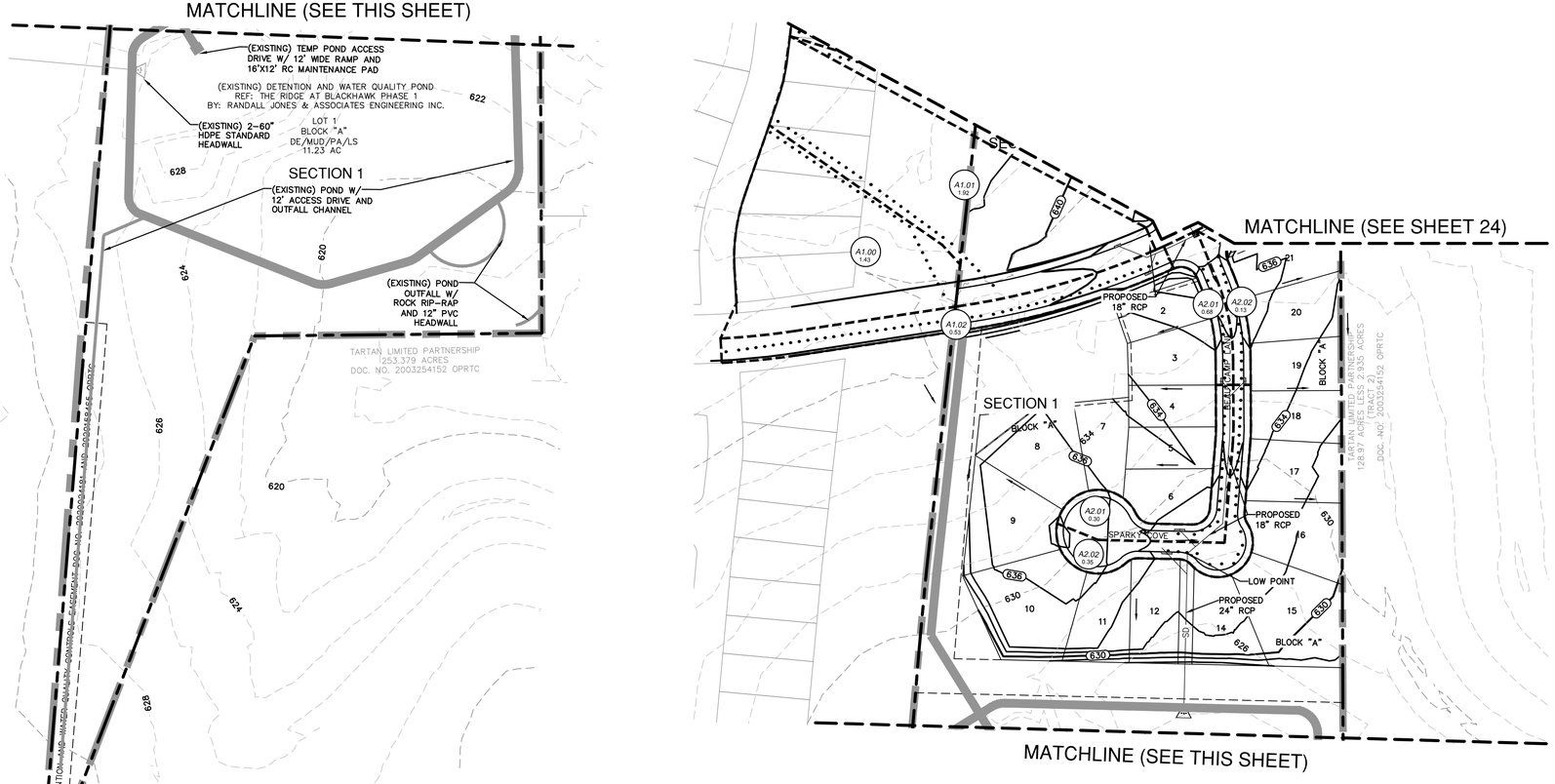
PP2024-000105




SCALE: 1"= 100'

0' 100' 200' 300'

## LEGEND

- A1.01 / 0.53 — DRAINAGE AREA
- SD — STORM DRAIN LINE
- CURB INLET
- JUNCTION BOX & HEADWALL
- DRAINAGE FLOW ARROW
- DRAINAGE AREA BOUNDARY
- TIME OF CONCENTRATION PATH
- PROPERTY BOUNDARY
- SECTION BOUNDARY
- 600 — EXISTING CONTOUR
- 600 — PROPOSED CONTOUR
- FP — FEMA — 100YR — FEMA 100YR FLOODPLAIN
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN

## NOTES

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE ASSOCIATED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
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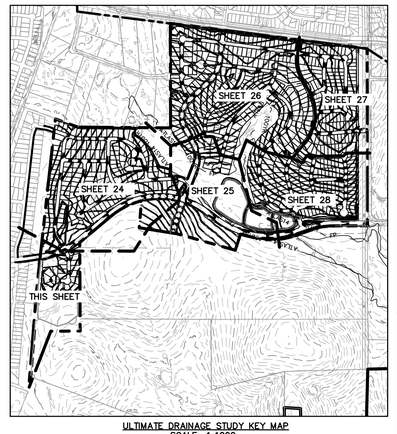
3. PROPOSED GRADING AND UTILITY IMPROVEMENTS ARE APPROXIMATE AND SUBJECT TO CHANGE WITH THE SITE DEVELOPMENT, CONSTRUCTION PLANS, AND FINAL DESIGN.
4. DRAINAGE CALCULATIONS UTILIZE THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ATLAS 14 RAINFALL DATA PER THE CITY OF AUSTIN ENGINEERING DESIGN MANUAL.
5. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.




ULTIMATE DRAINAGE STUDY KEY MAP
SCALE: 1:1000

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025

PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800

# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
ULTIMATE DRAINAGE STUDY (1 OF 6)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER RBB
CHECKED AC DRAWN NJD
SHEET 23 of 31

Date: Aug 15, 2025, 11:57am User ID: andrew.cole
File: H:\Projects\51443\001_212 Preliminary\Civil\00051443-00.dwg

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SCALE: 1"= 100'

0' 100' 200' 300'

## LEGEND

- A1.01 (0.53) — DRAINAGE AREA
- SD — STORM DRAIN LINE
- CURB INLET
- JUNCTION BOX & HEADWALL
- DRAINAGE FLOW ARROW
- DRAINAGE AREA BOUNDARY
- TIME OF CONCENTRATION PATH
- PROPERTY BOUNDARY
- SECTION BOUNDARY
- 600 — EXISTING CONTOUR
- 600 — PROPOSED CONTOUR
- FP — FEMA — 100YR — FEMA 100YR FLOODPLAIN
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN

## NOTES

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3. PROPOSED GRADING AND UTILITY IMPROVEMENTS ARE APPROXIMATE AND SUBJECT TO CHANGE WITH THE SITE DEVELOPMENT, CONSTRUCTION PLANS, AND FINAL DESIGN.
4. DRAINAGE CALCULATIONS UTILIZE THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ATLAS 14 RAINFALL DATA PER THE CITY OF AUSTIN ENGINEERING DESIGN MANUAL.
5. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL #48453C0285H EFFECTIVE DATE OF SEPTEMBER 25, 2008.




ULTIMATE DRAINAGE STUDY KEY MAP
SCALE: 1:1000

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED
PROFESSIONAL ENGINEER
08/18/2025


**PAPE–DAWSON**
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
ULTIMATE DRAINAGE STUDY (2 OF 6)

| | |
|---|---|
| CITY NO. | PP2024-000105 |
| JOB NO. | 51443-00 |
| DATE | AUGUST 2025 |
| DESIGNER | RBB |
| CHECKED | AC |
| DRAWN | NJD |
| SHEET | 24 of 31 |

Date: Aug 15, 2025, 11:58am User ID: andrew.castle
File: H:\Projects\51443\43\00\21-Preliminary\Civil\00051443-00.dwg


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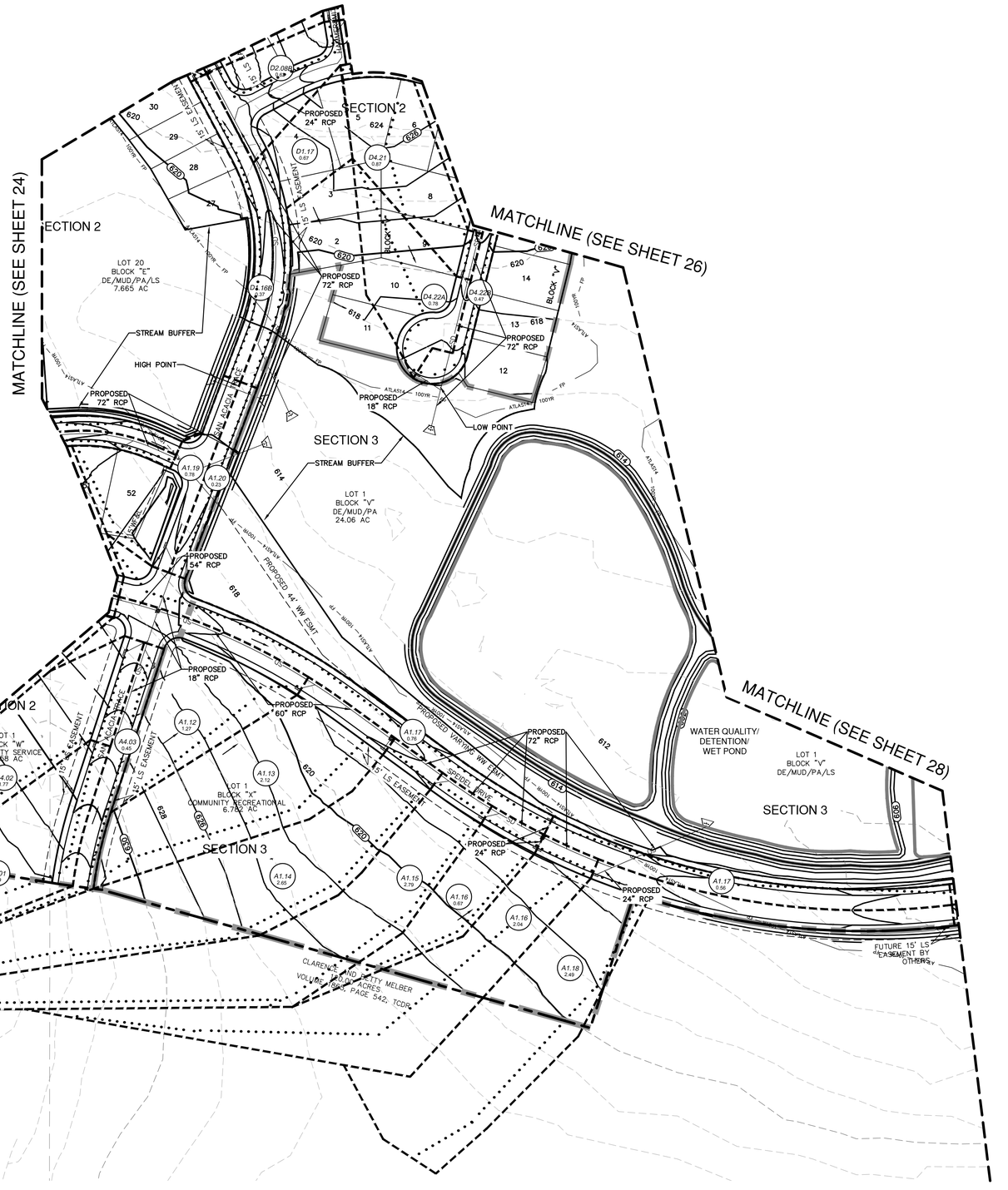
PP2024-000105




SCALE: 1"= 100'

0' 100' 200' 300'

## LEGEND

- A1.01 / 0.93 — DRAINAGE AREA
- SD — STORM DRAIN LINE
- CURB INLET
- JUNCTION BOX & HEADWALL
- DRAINAGE FLOW ARROW
- DRAINAGE AREA BOUNDARY
- TIME OF CONCENTRATION PATH
- PROPERTY BOUNDARY
- SECTION BOUNDARY
- 600 — EXISTING CONTOUR
- 600 — PROPOSED CONTOUR
- FP — FEMA — 100YR — FEMA 100YR FLOODPLAIN
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN

## NOTES

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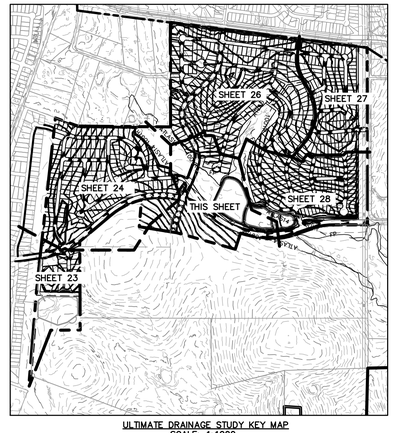


ULTIMATE DRAINAGE STUDY KEY MAP
SCALE: 1:1000

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025

**PAPE–DAWSON**
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800

# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
ULTIMATE DRAINAGE STUDY (3 OF 6)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER RBB
CHECKED AC DRAWN NJD
SHEET 25 of 31

Date: Aug 15, 2025, 11:58am User ID: andrew.coplin
File: H:\Projects\514\43\00\212 Preliminary\Civil\0051443-00.dwg

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PP2024-000105

SCALE: 1"= 100'

0' 100' 200' 300'

## LEGEND

- A1.01 (0.53) — DRAINAGE AREA
- SD — STORM DRAIN LINE
- CURB INLET
- JUNCTION BOX & HEADWALL
- DRAINAGE FLOW ARROW
- DRAINAGE AREA BOUNDARY
- TIME OF CONCENTRATION PATH
- PROPERTY BOUNDARY
- SECTION BOUNDARY
- 600 — EXISTING CONTOUR
- 600 — PROPOSED CONTOUR
- FP — FEMA — 100YR — FEMA 100YR FLOODPLAIN
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN

## NOTES

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6. ACCESS TO GATE DANCER LANE WEST OF THE RIDGE AT BLACKHAWK PHASE 2 PROPERTY SHALL BE RESTRICTED TO FIRE AND EMERGENCY VEHICLES ONLY. A FIRE ACCESS GATE AND KNOX BOX SHALL BE INSTALLED DURING CONSTRUCTION OF GATE DANCER LANE TO PROHIBIT DAILY TRAFFIC WEST OF THE PROPERTY.




ULTIMATE DRAINAGE STUDY KEY MAP
SCALE: 1:1000

| NO. | REVISION | DATE |
|---|---|---|

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
ULTIMATE DRAINAGE STUDY (4 OF 6)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER RBB
CHECKED AC DRAWN NJD
SHEET 26 of 31

Date: Aug 15, 2025, 11:59am User ID: andrew.coyle
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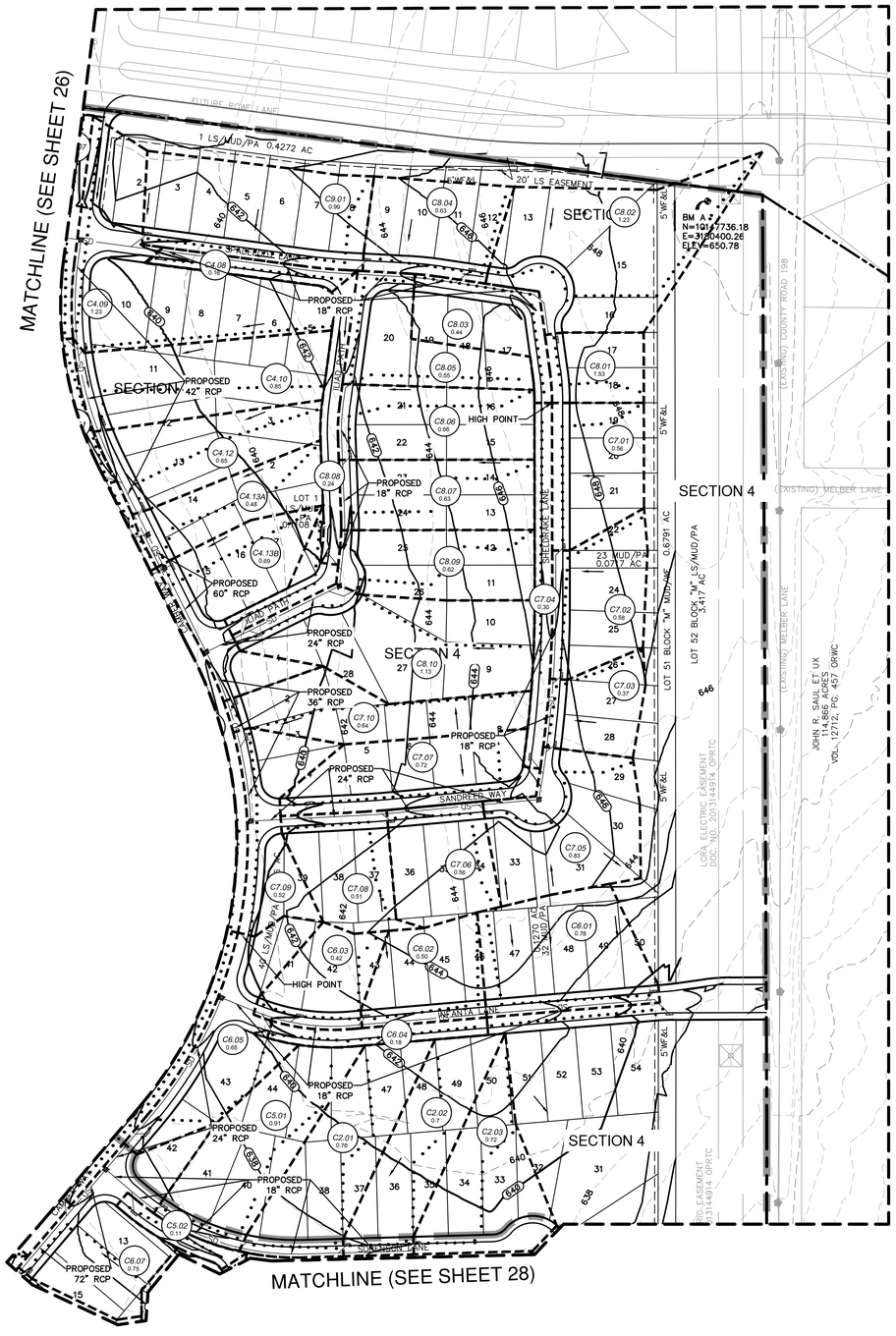


SCALE: 1"= 100'

0' 100' 200' 300'

## LEGEND

- A1.01 / 0.53 — DRAINAGE AREA
- SD — STORM DRAIN LINE
- CURB INLET
- JUNCTION BOX & HEADWALL
- DRAINAGE FLOW ARROW
- DRAINAGE AREA BOUNDARY
- TIME OF CONCENTRATION PATH
- PROPERTY BOUNDARY
- SECTION BOUNDARY
- 600 — EXISTING CONTOUR
- 600 — PROPOSED CONTOUR
- FP — FEMA — 100YR — FEMA 100YR FLOODPLAIN
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN

## NOTES

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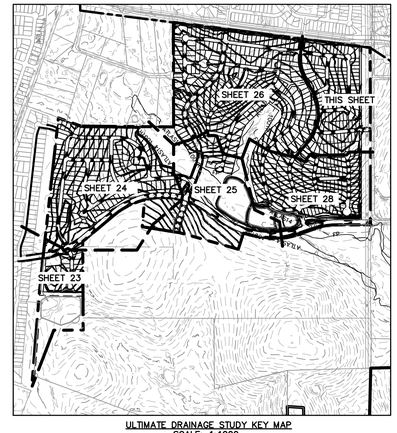


ULTIMATE DRAINAGE STUDY KEY MAP
SCALE: 1:1000

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
ULTIMATE DRAINAGE STUDY (5 OF 6)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER RBB
CHECKED AC DRAWN NJD
SHEET 27 of 31

Date: Aug 15, 2025, 11:59am User ID: andrew.cobb
File: H:\Projects\51443.00\212 Preliminary\Civil\0051443-00.dwg


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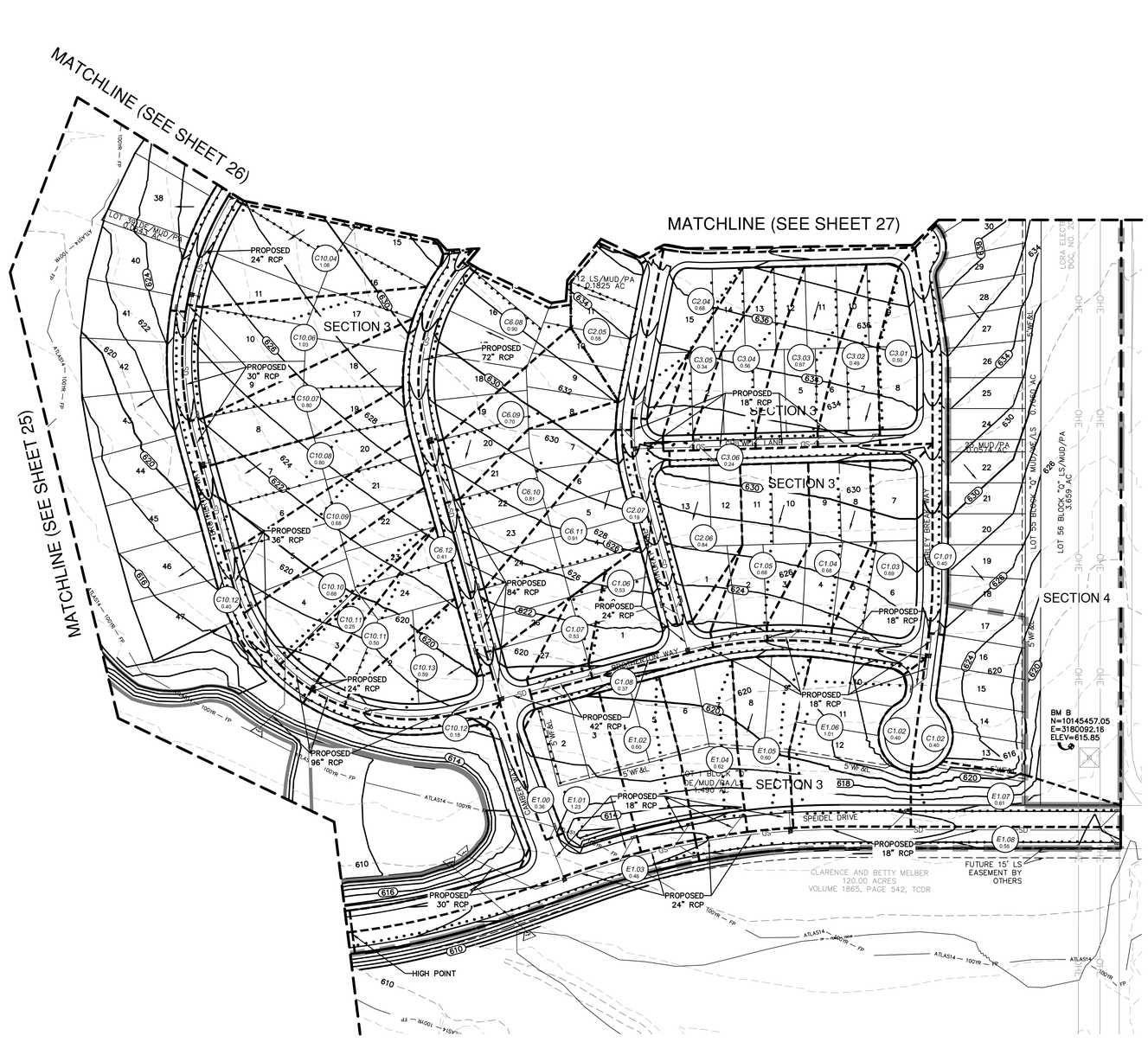
PP2024-000105




SCALE: 1"= 100'

0' 100' 200' 300'

## LEGEND

- A1.01 (0.53) — DRAINAGE AREA
- SD — STORM DRAIN LINE
- CURB INLET
- JUNCTION BOX & HEADWALL
- DRAINAGE FLOW ARROW
- DRAINAGE AREA BOUNDARY
- TIME OF CONCENTRATION PATH
- PROPERTY BOUNDARY
- SECTION BOUNDARY
- 600 — EXISTING CONTOUR
- (600) — PROPOSED CONTOUR
- — FP — FEMA — 100YR — FEMA 100YR FLOODPLAIN
- ATLAS14 — 100YR — FP — ATLAS 14 100YR FLOODPLAIN

## NOTES

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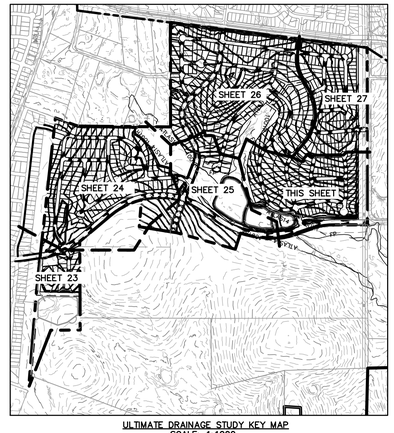


ULTIMATE DRAINAGE STUDY KEY MAP
SCALE: 1:1000

| NO. | REVISION | DATE |
|---|---|---|
| | | |

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025


PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800


# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
ULTIMATE DRAINAGE STUDY (6 OF 6)

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER RBB
CHECKED AC DRAWN NJD
SHEET 28 of 31

Date: Aug 15, 2025, 11:59am User ID: andrew.cobb
File: H:\Projects\51443.00\212 Preliminary\Civil\00051443-00.dwg


THIS DOCUMENT HAS BEEN PRODUCED FROM MATERIAL THAT WAS STORED AND/OR TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN INADVERTENTLY ALTERED. RELY ONLY ON FINAL HARDCOPY MATERIALS BEARING THE CONSULTANT'S ORIGINAL SIGNATURE AND SEAL.


PP2024-000105

| DRAINAGE AREA | AREA (acres) | COMPOSITE C $C_2$ | $C_{10}$ | $C_{25}$ | $C_{100}$ | $A \cdot C_2$ | $A \cdot C_{10}$ | $A \cdot C_{25}$ | $A \cdot C_{100}$ | SHEET FLOW Length (ft) | Manning's (n) | Slope ft/ft | Tc (min) | SHALLOW CONCENTRATED FLOW Length (ft) | Paved/ Unpaved | Slope ft/ft | Tc (min) | CHANNELIZED FLOW Length (ft) | Manning's (n) | Slope ft/ft | Velocity ft/s | Tc (min) | Cumulative Tc (min) | INTENSITY I 2yr (in/hr) | I 10yr (in/hr) | I 25yr (in/hr) | I 100yr (in/hr) | DISCHARGE Q 2 (cfs) | Q 10 (cfs) | Q 25 (cfs) | Q 100 (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ULTIMATE CONDITION DRAINAGE AREAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A1.00 | 1.43 | 0.50 | 0.57 | 0.61 | 0.69 | 0.711 | 0.810 | 0.874 | 0.987 | 66.1 | 0.24 | 0.017 | 10.00 | 100 | U | 0.020 | 0.73 | 50 | 0.015 | 0.007 | 3.1 | 0.269 | 11.00 | 4.84 | 7.23 | 8.88 | 11.68 | 3.4 | 5.9 | 7.8 | 11.5 |
| A1.01 | 1.92 | 0.34 | 0.40 | 0.44 | 0.51 | 0.647 | 0.766 | 0.845 | 0.983 | 150 | 0.24 | 0.017 | 19.26 | 85 | U | 0.034 | 0.48 | 290 | 0.015 | 0.007 | 3.1 | 1.558 | 21.29 | 3.57 | 5.32 | 6.56 | 8.65 | 2.3 | 4.1 | 5.5 | 8.5 |
| A1.02 | 0.53 | 0.66 | 0.74 | 0.79 | 0.88 | 0.352 | 0.392 | 0.418 | 0.464 | 155 | 0.24 | 0.016 | 20.12 | 200 | U | 0.018 | 1.55 | 830 | 0.015 | 0.007 | 3.1 | 4.460 | 26.13 | 3.20 | 4.77 | 5.90 | 7.80 | 1.1 | 1.9 | 2.5 | 3.6 |
| A1.03 | 1.84 | 0.38 | 0.44 | 0.49 | 0.56 | 0.700 | 0.818 | 0.895 | 1.031 | 150 | 0.24 | 0.016 | 19.60 | 200 | U | 0.018 | 1.55 | 815 | 0.015 | 0.007 | 3.1 | 4.380 | 25.53 | 3.24 | 4.83 | 5.97 | 7.89 | 2.3 | 4.0 | 5.3 | 8.1 |
| A1.04 | 1.75 | 0.35 | 0.42 | 0.46 | 0.53 | 0.617 | 0.727 | 0.800 | 0.927 | 300 | 0.24 | 0.020 | 31.05 | 180 | U | 0.009 | 1.96 | 270 | 0.015 | 0.007 | 3.1 | 1.451 | 34.46 | 2.73 | 4.09 | 5.07 | 6.72 | 1.7 | 3.0 | 4.1 | 6.2 |
| A1.05 | 2.36 | 0.32 | 0.38 | 0.42 | 0.50 | 0.761 | 0.906 | 1.002 | 1.170 | 300 | 0.24 | 0.018 | 32.24 | 180 | U | 0.012 | 1.68 | 350 | 0.015 | 0.007 | 3.1 | 1.881 | 35.80 | 2.67 | 4.00 | 4.96 | 6.58 | 2.0 | 3.6 | 5.0 | 7.7 |
| A1.06 | 1.32 | 0.47 | 0.54 | 0.58 | 0.66 | 0.618 | 0.708 | 0.766 | 0.869 | 50 | 0.24 | 0.020 | 7.41 | 180 | U | 0.010 | 1.86 | 500 | 0.015 | 0.007 | 3.1 | 2.687 | 11.95 | 4.68 | 6.98 | 8.58 | 11.29 | 2.9 | 4.9 | 6.6 | 9.8 |
| A1.07 | 2.94 | 0.33 | 0.39 | 0.44 | 0.51 | 0.978 | 1.160 | 1.280 | 1.491 | 300 | 0.24 | 0.014 | 35.61 | 170 | U | 0.019 | 1.27 | 400 | 0.015 | 0.020 | 5.4 | 1.225 | 38.11 | 2.57 | 3.85 | 4.79 | 6.36 | 2.5 | 4.5 | 6.1 | 9.5 |
| A1.08 | 2.44 | 0.32 | 0.38 | 0.42 | 0.49 | 0.773 | 0.922 | 1.021 | 1.195 | 300 | 0.24 | 0.014 | 36.23 | 310 | U | 0.022 | 2.17 | 187 | 0.015 | 0.020 | 5.4 | 0.573 | 38.97 | 2.54 | 3.80 | 4.73 | 6.28 | 2.0 | 3.5 | 4.8 | 7.5 |
| A1.09 | 0.52 | 0.67 | 0.74 | 0.79 | 0.88 | 0.346 | 0.386 | 0.411 | 0.456 | 0 | 0.24 | 0.014 | 0.00 | 0 | U | 0.022 | 0.00 | 640 | 0.015 | 0.020 | 5.4 | 1.961 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.2 | 3.6 | 4.8 | 7.0 |
| A1.10 | 1.37 | 0.35 | 0.41 | 0.45 | 0.53 | 0.478 | 0.564 | 0.620 | 0.720 | 250 | 0.24 | 0.026 | 24.16 | 145 | U | 0.041 | 0.74 | 100 | 0.015 | 0.020 | 5.4 | 0.306 | 25.21 | 3.26 | 4.87 | 6.01 | 7.94 | 1.6 | 2.7 | 3.7 | 5.7 |
| A1.11 | 1.17 | 0.49 | 0.56 | 0.61 | 0.69 | 0.578 | 0.659 | 0.711 | 0.803 | 35 | 0.24 | 0.020 | 5.57 | 5 | U | 0.020 | 0.04 | 190 | 0.015 | 0.020 | 5.4 | 0.582 | 6.19 | 5.91 | 8.87 | 10.92 | 14.38 | 3.4 | 5.8 | 7.8 | 11.6 |
| A1.12 | 1.27 | 0.38 | 0.45 | 0.49 | 0.56 | 0.484 | 0.565 | 0.619 | 0.713 | 250 | 0.24 | 0.034 | 21.60 | 50 | U | 0.035 | 0.28 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 22.18 | 3.49 | 5.21 | 6.42 | 8.48 | 1.7 | 2.9 | 4.0 | 6.0 |
| A1.13 | 1.79 | 0.32 | 0.38 | 0.42 | 0.49 | 0.572 | 0.682 | 0.755 | 0.883 | 300 | 0.24 | 0.029 | 26.76 | 165 | U | 0.030 | 0.98 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 28.05 | 3.07 | 4.59 | 5.68 | 7.51 | 1.8 | 3.1 | 4.3 | 6.6 |
| A1.14 | 2.68 | 0.30 | 0.36 | 0.40 | 0.47 | 0.808 | 0.970 | 1.078 | 1.267 | 300 | 0.24 | 0.017 | 33.14 | 600 | U | 0.025 | 3.92 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 37.36 | 2.60 | 3.90 | 4.84 | 6.43 | 2.1 | 3.8 | 5.2 | 8.1 |
| A1.15 | 2.79 | 0.30 | 0.36 | 0.40 | 0.47 | 0.840 | 1.008 | 1.121 | 1.317 | 300 | 0.24 | 0.022 | 29.89 | 585 | U | 0.023 | 3.98 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 34.18 | 2.74 | 4.10 | 5.09 | 6.75 | 2.3 | 4.1 | 5.7 | 8.9 |
| A1.16A | 0.67 | 0.34 | 0.40 | 0.44 | 0.51 | 0.225 | 0.266 | 0.294 | 0.342 | 135 | 0.24 | 0.015 | 18.64 | 160 | U | 0.015 | 1.35 | 115 | 0.015 | 0.005 | 2.7 | 0.705 | 20.70 | 3.62 | 5.40 | 6.65 | 8.78 | 0.8 | 1.4 | 2.0 | 3.0 |
| A1.16B | 2.04 | 0.31 | 0.37 | 0.41 | 0.48 | 0.624 | 0.748 | 0.830 | 0.975 | 140 | 0.24 | 0.008 | 24.35 | 160 | U | 0.015 | 1.35 | 70 | 0.015 | 0.005 | 2.7 | 0.429 | 26.13 | 3.20 | 4.77 | 5.90 | 7.80 | 2.0 | 3.6 | 4.9 | 7.6 |
| A1.16 | 2.71 | 0.31 | 0.37 | 0.41 | 0.49 | 0.849 | 1.014 | 1.124 | 1.317 | - | - | - | - | - | U | - | - | - | - | - | - | - | 26.13 | 3.20 | 4.77 | 5.90 | 7.80 | 2.7 | 4.8 | 6.6 | 10.3 |
| A1.17A | 0.76 | 0.64 | 0.72 | 0.77 | 0.85 | 0.490 | 0.548 | 0.584 | 0.649 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.015 | 0.00 | 800 | 0.015 | 0.005 | 2.7 | 4.902 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.1 | 5.2 | 6.8 | 9.9 |
| A1.17B | 0.56 | 0.67 | 0.75 | 0.80 | 0.88 | 0.376 | 0.419 | 0.446 | 0.495 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.015 | 0.00 | 800 | 0.015 | 0.007 | 3.2 | 4.143 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.4 | 4.0 | 5.2 | 7.6 |
| A1.17 | 1.32 | 0.66 | 0.73 | 0.78 | 0.87 | 0.866 | 0.967 | 1.030 | 1.144 | - | - | - | - | - | U | - | - | - | - | - | - | - | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 5.4 | 9.1 | 12.0 | 17.5 |
| A1.18 | 2.49 | 0.36 | 0.43 | 0.47 | 0.54 | 0.908 | 1.066 | 1.169 | 1.352 | 300 | 0.24 | 0.020 | 31.05 | 175 | U | 0.022 | 1.23 | 100 | 0.015 | 0.007 | 3.2 | 0.518 | 32.80 | 2.81 | 4.20 | 5.21 | 6.91 | 2.6 | 4.5 | 6.1 | 9.3 |
| A2.01A | 0.30 | 0.62 | 0.70 | 0.75 | 0.83 | 0.187 | 0.209 | 0.224 | 0.249 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.015 | 0.00 | 0 | 0.015 | 0.005 | 2.7 | 0.000 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.2 | 2.0 | 2.6 | 3.8 |
| A2.01B | 0.68 | 0.66 | 0.74 | 0.79 | 0.87 | 0.450 | 0.502 | 0.535 | 0.594 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.015 | 0.00 | 700 | 0.015 | 0.020 | 5.4 | 2.144 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.8 | 4.7 | 6.2 | 9.1 |
| A2.01 | 0.98 | 0.65 | 0.73 | 0.77 | 0.86 | 0.637 | 0.711 | 0.758 | 0.843 | - | - | - | - | - | U | - | - | - | - | - | - | - | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 4.0 | 6.7 | 8.8 | 12.9 |
| A2.02A | 0.35 | 0.63 | 0.70 | 0.75 | 0.83 | 0.219 | 0.245 | 0.262 | 0.291 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.015 | 0.00 | 0 | 0.015 | 0.015 | 4.7 | 0.000 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.4 | 2.3 | 3.0 | 4.5 |
| A2.02B | 0.13 | 0.65 | 0.72 | 0.77 | 0.86 | 0.084 | 0.094 | 0.100 | 0.111 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.015 | 0.00 | 0 | 0.015 | 0.015 | 4.7 | 0.000 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.5 | 0.9 | 1.2 | 1.7 |
| A2.02 | 0.48 | 0.63 | 0.71 | 0.75 | 0.84 | 0.303 | 0.339 | 0.362 | 0.403 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.015 | 0.00 | 0 | 0.015 | 0.015 | 4.7 | 0.000 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.9 | 3.2 | 4.2 | 6.2 |
| A3.01 | 1.66 | 0.46 | 0.53 | 0.57 | 0.65 | 0.767 | 0.879 | 0.952 | 1.081 | 150 | 0.24 | 0.008 | 26.40 | 160 | U | 0.015 | 1.35 | 115 | 0.015 | 0.007 | 3.2 | 0.596 | 28.35 | 3.06 | 4.56 | 5.65 | 7.47 | 2.3 | 4.0 | 5.4 | 8.1 |
| A3.02 | 0.16 | 0.66 | 0.74 | 0.79 | 0.87 | 0.106 | 0.118 | 0.126 | 0.140 | 0 | 0.24 | 0.008 | 0.00 | 0 | U | 0.015 | 0.00 | 290 | 0.015 | 0.007 | 3.2 | 1.502 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.7 | 1.1 | 1.5 | 2.1 |
| A3.03 | 1.07 | 0.47 | 0.53 | 0.58 | 0.65 | 0.498 | 0.571 | 0.618 | 0.701 | 150 | 0.24 | 0.008 | 26.40 | 160 | U | 0.015 | 1.35 | 115 | 0.015 | 0.007 | 3.2 | 0.596 | 28.35 | 3.06 | 4.56 | 5.65 | 7.47 | 1.5 | 2.6 | 3.5 | 5.2 |
| A3.04 | 1.33 | 0.46 | 0.53 | 0.57 | 0.65 | 0.612 | 0.702 | 0.761 | 0.864 | 150 | 0.24 | 0.011 | 22.65 | 160 | U | 0.015 | 1.35 | 115 | 0.015 | 0.007 | 3.2 | 0.596 | 24.60 | 3.30 | 4.93 | 6.09 | 8.05 | 2.0 | 3.5 | 4.6 | 6.9 |
| A3.05 | 1.43 | 0.46 | 0.53 | 0.57 | 0.65 | 0.656 | 0.753 | 0.815 | 0.926 | 150 | 0.24 | 0.014 | 20.63 | 160 | U | 0.015 | 1.35 | 115 | 0.015 | 0.007 | 3.2 | 0.596 | 22.57 | 3.46 | 5.16 | 6.37 | 8.41 | 2.3 | 3.9 | 5.2 | 7.8 |
| A3.06 | 1.10 | 0.44 | 0.51 | 0.55 | 0.63 | 0.483 | 0.556 | 0.604 | 0.688 | 150 | 0.24 | 0.017 | 19.26 | 160 | U | 0.015 | 1.35 | 70 | 0.015 | 0.007 | 3.2 | 0.362 | 20.97 | 3.60 | 5.36 | 6.61 | 8.72 | 1.7 | 3.0 | 4.0 | 6.0 |
| A3.07A | 1.23 | 0.46 | 0.53 | 0.57 | 0.65 | 0.566 | 0.649 | 0.703 | 0.798 | 135 | 0.24 | 0.015 | 18.64 | 160 | U | 0.015 | 1.35 | 115 | 0.015 | 0.007 | 3.2 | 0.596 | 20.59 | 3.63 | 5.41 | 6.67 | 8.80 | 2.1 | 3.5 | 4.7 | 7.0 |
| A3.07B | 0.72 | 0.46 | 0.53 | 0.57 | 0.65 | 0.333 | 0.382 | 0.413 | 0.469 | 140 | 0.24 | 0.008 | 24.35 | 160 | U | 0.015 | 1.35 | 70 | 0.015 | 0.007 | 3.2 | 0.362 | 26.06 | 3.20 | 4.78 | 5.91 | 7.81 | 1.1 | 1.8 | 2.4 | 3.7 |
| A3.07 | 1.95 | 0.46 | 0.53 | 0.57 | 0.65 | 0.899 | 1.031 | 1.116 | 1.267 | - | - | - | - | - | U | - | - | - | - | - | - | - | 26.06 | 3.20 | 4.78 | 5.91 | 7.81 | 2.9 | 4.9 | 6.6 | 9.9 |
| A3.08A | 0.28 | 0.66 | 0.73 | 0.78 | 0.87 | 0.184 | 0.206 | 0.219 | 0.243 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.015 | 0.00 | 600 | 0.015 | 0.007 | 3.2 | 3.107 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.2 | 1.9 | 2.5 | 3.7 |
| A3.08B | 0.57 | 0.57 | 0.65 | 0.69 | 0.77 | 0.327 | 0.368 | 0.395 | 0.442 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.015 | 0.00 | 600 | 0.015 | 0.007 | 3.2 | 3.107 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.0 | 3.5 | 4.6 | 6.8 |
| A3.08 | 0.85 | 0.60 | 0.68 | 0.72 | 0.81 | 0.511 | 0.574 | 0.614 | 0.685 | - | - | - | - | - | U | - | - | - | - | - | - | - | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.2 | 5.4 | 7.1 | 10.5 |
| A3.09 | 1.30 | 0.46 | 0.53 | 0.57 | 0.65 | 0.599 | 0.687 | 0.744 | 0.845 | 130 | 0.24 | 0.016 | 17.61 | 160 | U | 0.015 | 1.35 | 130 | 0.015 | 0.007 | 3.2 | 0.673 | 19.63 | 3.72 | 5.54 | 6.83 | 9.01 | 2.2 | 3.8 | 5.1 | 7.6 |
| A3.10 | 1.30 | 0.46 | 0.53 | 0.57 | 0.65 | 0.599 | 0.687 | 0.744 | 0.845 | 130 | 0.24 | 0.016 | 17.61 | 160 | U | 0.015 | 1.35 | 130 | 0.015 | 0.007 | 3.2 | 0.673 | 19.63 | 3.72 | 5.54 | 6.83 | 9.01 | 2.2 | 3.8 | 5.1 | 7.6 |
| A3.11 | 0.76 | 0.57 | 0.64 | 0.68 | 0.77 | 0.430 | 0.485 | 0.520 | 0.582 | 0 | 0.24 | 0.016 | 0.00 | 80 | U | 0.015 | 0.67 | 400 | 0.015 | 0.007 | 3.2 | 2.071 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.7 | 4.6 | 6.0 | 8.9 |
| A3.12 | 1.34 | 0.46 | 0.53 | 0.57 | 0.65 | 0.615 | 0.705 | 0.764 | 0.868 | 130 | 0.24 | 0.016 | 17.61 | 160 | U | 0.015 | 1.35 | 165 | 0.015 | 0.007 | 3.2 | 0.854 | 19.82 | 3.70 | 5.52 | 6.80 | 8.97 | 2.3 | 3.9 | 5.2 | 7.8 |
| A3.13 | 1.11 | 0.42 | 0.49 | 0.53 | 0.61 | 0.471 | 0.544 | 0.592 | 0.676 | 130 | 0.24 | 0.016 | 17.61 | 160 | U | 0.015 | 1.35 | 165 | 0.015 | 0.007 | 3.2 | 0.854 | 19.82 | 3.70 | 5.52 | 6.80 | 8.97 | 1.7 | 3.0 | 4.0 | 6.1 |
| A4.01 | 1.69 | 0.33 | 0.40 | 0.44 | 0.51 | 0.565 | 0.669 | 0.739 | 0.860 | 300 | 0.24 | 0.018 | 32.39 | 180 | U | 0.023 | 1.23 | 245 | 0.015 | 0.026 | 6.2 | 0.658 | 34.27 | 2.74 | 4.10 | 5.09 | 6.74 | 1.5 | 2.7 | 3.8 | 5.8 |
| A4.02 | 1.77 | 0.32 | 0.38 | 0.42 | 0.50 | 0.570 | 0.678 | 0.750 | 0.877 | 300 | 0.24 | 0.019 | 31.69 | 180 | U | 0.023 | 1.23 | 185 | 0.015 | 0.020 | 5.4 | 0.567 | 33.49 | 2.78 | 4.15 | 5.15 | 6.83 | 1.6 | 2.8 | 3.9 | 6.0 |
| A4.03 | 0.45 | 0.72 | 0.80 | 0.85 | 0.94 | 0.326 | 0.361 | 0.384 | 0.424 | 0 | 0.24 | 0.019 | 0.00 | 50 | U | 0.030 | 0.30 | 650 | 0.015 | 0.020 | 5.4 | 1.991 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.0 | 3.4 | 4.5 | 6.5 |
| B1.01 | 0.95 | 0.55 | 0.62 | 0.66 | 0.74 | 0.518 | 0.586 | 0.630 | 0.707 | 30 | 0.24 | 0.130 | 2.33 | 125 | U | 0.020 | 0.91 | 10 | 0.015 | 0.005 | 2.7 | 0.061 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.3 | 5.5 | 7.3 | 10.8 |
| B1.02 | 0.66 | 0.54 | 0.61 | 0.65 | 0.73 | 0.354 | 0.400 | 0.430 | 0.484 | 15 | 0.24 | 0.020 | 2.83 | 115 | U | 0.019 | 0.86 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.2 | 3.8 | 5.0 | 7.4 |
| B1.03 | 0.61 | 0.55 | 0.62 | 0.66 | 0.74 | 0.333 | 0.377 | 0.405 | 0.454 | 15 | 0.24 | 0.020 | 2.83 | 115 | U | 0.019 | 0.86 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.1 | 3.6 | 4.7 | 7.0 |
| B1.04 | 0.79 | 0.47 | 0.53 | 0.58 | 0.65 | 0.367 | 0.421 | 0.456 | 0.517 | 50 | 0.24 | 0.015 | 8.31 | 140 | U | 0.015 | 1.18 | 100 | 0.015 | 0.007 | 3.2 | 0.518 | 10.01 | 5.02 | 7.50 | 9.22 | 12.13 | 1.8 | 3.2 | 4.2 | 6.3 |
| B1.05 | 0.57 | 0.54 | 0.61 | 0.66 | 0.74 | 0.308 | 0.348 | 0.374 | 0.420 | 30 | 0.24 | 0.022 | 4.74 | 140 | U | 0.022 | 0.98 | 200 | 0.015 | 0.007 | 3.2 | 1.036 | 6.75 | 5.76 | 8.64 | 10.62 | 13.98 | 1.8 | 3.0 | 4.0 | 5.9 |
| B1.06 | 0.92 | 0.49 | 0.56 | 0.61 | 0.69 | 0.454 | 0.518 | 0.559 | 0.632 | 30 | 0.24 | 0.015 | 5.52 | 140 | U | 0.013 | 1.27 | 160 | 0.015 | 0.007 | 3.2 | 0.829 | 7.62 | 5.54 | 8.29 | 10.20 | 13.42 | 2.5 | 4.3 | 5.7 | 8.5 |
| B1.07 | 0.66 | 0.55 | 0.62 | 0.67 | 0.75 | 0.364 | 0.411 | 0.441 | 0.495 | 30 | 0.24 | 0.015 | 5.52 | 140 | U | 0.015 | 1.18 | 50 | 0.015 | 0.007 | 3.2 | 0.259 | 6.96 | 5.70 | 8.55 | 10.52 | 13.84 | 2.1 | 3.5 | 4.6 | 6.8 |
| B1.08 | 0.86 | 0.55 | 0.62 | 0.67 | 0.75 | 0.473 | 0.534 | 0.573 | 0.644 | 30 | 0.24 | 0.015 | 5.52 | 140 | U | 0.015 | 1.18 | 100 | 0.015 | 0.007 | 3.2 | 0.518 | 7.22 | 5.64 | 8.45 | 10.39 | 13.67 | 2.7 | 4.5 | 6.0 | 8.8 |
| B1.09 | 0.85 | 0.56 | 0.63 | 0.67 | 0.76 | 0.472 | 0.533 | 0.572 | 0.642 | 25 | 0.24 | 0.015 | 4.77 | 140 | U | 0.015 | 1.18 | 180 | 0.015 | 0.070 | 10.2 | 0.295 | 6.25 | 5.90 | 8.85 | 10.89 | 14.34 | 2.8 | 4.7 | 6.2 | 9.2 |
| B1.10 | 0.66 | 0.57 | 0.64 | 0.69 | 0.77 | 0.377 | 0.425 | 0.455 | 0.510 | 15 | 0.24 | 0.015 | 3.17 | 120 | U | 0.015 | 1.01 | 10 | 0.015 | 0.070 | 10.2 | 0.016 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.4 | 4.0 | 5.3 | 7.8 |
| B1.11 | 0.65 | 0.51 | 0.58 | 0.63 | 0.71 | 0.332 | 0.378 | 0.407 | 0.459 | 25 | 0.24 | 0.015 | 4.77 | 140 | U | 0.015 | 1.18 | 150 | 0.015 | 0.070 | 10.2 | 0.246 | 6.20 | 5.91 | 8.87 | 10.91 | 14.37 | 2.0 | 3.3 | 4.4 | 6.6 |
| B1.12 | 0.68 | 0.48 | 0.55 | 0.60 | 0.67 | 0.328 | 0.375 | 0.405 | 0.458 | 25 | 0.24 | 0.015 | 4.77 | 140 | U | 0.015 | 1.18 | 150 | 0.015 | 0.070 | 10.2 | 0.246 | 6.20 | 5.91 | 8.87 | 10.91 | 14.37 | 1.9 | 3.3 | 4.4 | 6.6 |
| B1.13 | 0.67 | 0.50 | 0.57 | 0.62 | 0.70 | 0.338 | 0.385 | 0.415 | 0.468 | 25 | 0.24 | 0.015 | 4.77 | 140 | U | 0.015 | 1.18 | 150 | 0.015 | 0.070 | 10.2 | 0.246 | 6.20 | 5.91 | 8.87 | 10.91 | 14.37 | 2.0 | 3.4 | 4.5 | 6.7 |
| B1.14 | 0.97 | 0.47 | 0.54 | 0.59 | 0.66 | 0.459 | 0.526 | 0.568 | 0.644 | 25 | 0.24 | 0.015 | 4.77 | 140 | U | 0.015 | 1.18 | 150 | 0.015 | 0.070 | 10.2 | 0.246 | 6.20 | 5.91 | 8.87 | 10.91 | 14.37 | 2.7 | 4.7 | 6.2 | 9.3 |
| B1.15 | 0.43 | 0.60 | 0.67 | 0.72 | 0.80 | 0.257 | 0.289 | 0.309 | 0.345 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.015 | 0.00 | 600 | 0.015 | 0.070 | 10.2 | 0.983 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.6 | 2.7 | 3.6 | 5.3 |
| B2.01 | 0.67 | 0.57 | 0.64 | 0.69 | 0.77 | 0.382 | 0.430 | 0.461 | 0.516 | 25 | 0.24 | 0.022 | 4.09 | 228 | U | 0.023 | 1.55 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 5.95 | 5.98 | 8.98 | 11.05 | 14.55 | 2.3 | 3.9 | 5.1 | 7.5 |
| B2.02 | 0.64 | 0.55 | 0.63 | 0.67 | 0.75 | 0.354 | 0.400 | 0.429 | 0.482 | 25 | 0.24 | 0.022 | 4.09 | 230 | U | 0.023 | 1.57 | 80 | 0.015 | 0.005 | 2.7 | 0.490 | 6.15 | 5.92 | 8.89 | 10.94 | 14.41 | 2.1 | 3.6 | 4.7 | 6.9 |
| B2.03 | 0.27 | 0.61 | 0.68 | 0.73 | 0.81 | 0.164 | 0.184 | 0.197 | 0.220 | 0 | 0.24 | 0.022 | 0.00 | 25 | U | 0.015 | 0.21 | 150 | 0.015 | 0.005 | 2.7 | 0.919 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.0 | 1.7 | 2.3 | 3.4 |
| B2.04 | 0.60 | 0.55 | 0.62 | 0.66 | 0.74 | 0.328 | 0.370 | 0.398 | 0.447 | 25 | 0.24 | 0.022 | 4.09 | 230 | U | 0.021 | 1.62 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 6.02 | 5.96 | 8.94 | 11.01 | 14.50 | 2.0 | 3.3 | 4.4 | 6.5 |
| B2.05 | 0.43 | 0.55 | 0.62 | 0.66 | 0.74 | 0.235 | 0.266 | 0.285 | 0.320 | 25 | 0.24 | 0.022 | 4.09 | 230 | U | 0.021 | 1.62 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 6.02 | 5.96 | 8.94 | 11.01 | 14.50 | 1.4 | 2.4 | 3.1 | 4.6 |
| B2.06 | 0.58 | 0.55 | 0.62 | 0.67 | 0.75 | 0.318 | 0.359 | 0.386 | 0.433 | 25 | 0.24 | 0.022 | 4.09 | 230 | U | 0.020 | 1.68 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 6.08 | 5.94 | 8.92 | 10.98 | 14.46 | 1.9 | 3.2 | 4.2 | 6.3 |
| B2.07 | 0.61 | 0.54 | 0.61 | 0.66 | 0.74 | 0.331 | 0.374 | 0.402 | 0.452 | 25 | 0.24 | 0.015 | 4.77 | 230 | U | 0.015 | 1.94 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 7.32 | 5.61 | 8.41 | 10.34 | 13.61 | 1.9 | 3.1 | 4.2 | 6.1 |
| B2.08 | 0.72 | 0.55 | 0.62 | 0.67 | 0.75 | 0.397 | 0.449 | 0.482 | 0.541 | 25 | 0.24 | 0.015 | 4.77 | 230 | U | 0.015 | 1.94 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 7.32 | 5.61 | 8.41 | 10.34 | 13.61 | 2.2 | 3.8 | 5.0 | 7.4 |
| B2.09 | 0.39 | 0.60 | 0.67 | 0.72 | 0.80 | 0.233 | 0.261 | 0.279 | 0.312 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.020 | 0.00 | 300 | 0.015 | 0.005 | 2.7 | 1.838 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.5 | 2.5 | 3.2 | 4.8 |
| B3.01 | 0.50 | 0.56 | 0.63 | 0.68 | 0.76 | 0.279 | 0.315 | 0.338 | 0.379 | 15 | 0.24 | 0.015 | 3.17 | 120 | U | 0.015 | 1.01 | 60 | 0.015 | 0.005 | 2.7 | 0.368 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.8 | 3.0 | 3.9 | 5.8 |
| B3.02 | 0.45 | 0.50 | 0.57 | 0.62 | 0.69 | 0.225 | 0.257 | 0.277 | 0.312 | 15 | 0.24 | 0.015 | 3.17 | 120 | U | 0.015 | 1.01 | 60 | 0.015 | 0.005 | 2.7 | 0.368 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.4 | 2.4 | 3.2 | 4.8 |
| B3.03 | 0.46 | 0.56 | 0.63 | 0.68 | 0.76 | 0.258 | 0.291 | 0.312 | 0.350 | 15 | 0.24 | 0.015 | 3.17 | 120 | U | 0.015 | 1.01 | 60 | 0.015 | 0.005 | 2.7 | 0.368 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.6 | 2.7 | 3.6 | 5.4 |
| B3.04 | 0.45 | 0.56 | 0.63 | 0.68 | 0.76 | 0.252 | 0.284 | 0.305 | 0.342 | 15 | 0.24 | 0.015 | 3.17 | 120 | U | 0.015 | 1.01 | 60 | 0.015 | 0.005 | 2.7 | 0.368 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.6 | 2.7 | 3.5 | 5.2 |
| B3.05 | 0.68 | 0.52 | 0.59 | 0.64 | 0.72 | 0.354 | 0.402 | 0.433 | 0.487 | 20 | 0.24 | 0.015 | 3.99 | 230 | U | 0.015 | 1.94 | 10 | 0.015 | 0.005 | 2.7 | 0.061 | 5.99 | 5.97 | 8.96 | 11.03 | 14.52 | 2.1 | 3.6 | 4.8 | 7.1 |
| B3.06 | 0.45 | 0.55 | 0.62 | 0.67 | 0.75 | 0.248 | 0.280 | 0.301 | 0.337 | 20 | 0.24 | 0.015 | 3.99 | 230 | U | 0.015 | 1.94 | 10 | 0.015 | 0.005 | 2.7 | 0.061 | 5.99 | 5.97 | 8.96 | 11.03 | 14.52 | 1.5 | 2.5 | 3.3 | 4.9 |
| B3.07 | 0.53 | 0.55 | 0.63 | 0.67 | 0.75 | 0.294 | 0.332 | 0.356 | 0.400 | 15 | 0.24 | 0.015 | 3.17 | 120 | U | 0.015 | 1.01 | 60 | 0.015 | 0.005 | 2.7 | 0.368 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.8 | 3.1 | 4.1 | 6.1 |
| B3.08 | 0.50 | 0.55 | 0.62 | 0.66 | 0.75 | 0.274 | 0.309 | 0.332 | 0.373 | 20 | 0.24 | 0.015 | 3.99 | 230 | U | 0.015 | 1.94 | 60 | 0.015 | 0.005 | 2.7 | 0.368 | 6.30 | 5.88 | 8.82 | 10.86 | 14.30 | 1.6 | 2.7 | 3.6 | 5.3 |
| B3.09 | 0.31 | 0.56 | 0.63 | 0.68 | 0.76 | 0.173 | 0.196 | 0.210 | 0.235 | 20 | 0.24 | 0.015 | 3.99 | 230 | U | 0.015 | 1.94 | 60 | 0.015 | 0.005 | 2.7 | 0.368 | 6.30 | 5.88 | 8.82 | 10.86 | 14.30 | 1.0 | 1.7 | 2.3 | 3.4 |
| B4.01 | 0.91 | 0.55 | 0.62 | 0.66 | 0.75 | 0.498 | 0.563 | 0.605 | 0.679 | 25 | 0.24 | 0.026 | 3.83 | 235 | U | 0.026 | 1.51 | 70 | 0.015 | 0.031 | 6.8 | 0.172 | 5.51 | 6.11 | 9.18 | 11.31 | 14.90 | 3.0 | 5.2 | 6.8 | 10.1 |
| B4.02 | 0.85 | 0.55 | 0.62 | 0.67 | 0.75 | 0.467 | 0.527 | 0.566 | 0.635 | 25 | 0.24 | 0.022 | 4.09 | 235 | U | 0.032 | 1.36 | 130 | 0.015 | 0.020 | 5.4 | 0.398 | 5.85 | 6.01 | 9.02 | 11.11 | 14.63 | 2.8 | 4.8 | 6.3 | 9.3 |
| B4.03 | 0.85 | 0.55 | 0.62 | 0.67 | 0.75 | 0.467 | 0.528 | 0.567 | 0.636 | 25 | 0.24 | 0.026 | 3.83 | 235 | U | 0.026 | 1.51 | 70 | 0.015 | 0.090 | 11.5 | 0.101 | 5.44 | 6.13 | 9.22 | 11.35 | 14.96 | 2.9 | 4.9 | 6.4 | 9.5 |
| B4.04 | 0.85 | 0.55 | 0.62 | 0.67 | 0.75 | 0.467 | 0.528 | 0.567 | 0.636 | 25 | 0.24 | 0.026 | 3.83 | 235 | U | 0.026 | 1.51 | 70 | 0.015 | 0.090 | 11.5 | 0.101 | 5.44 | 6.13 | 9.22 | 11.35 | 14.96 | 2.9 | 4.9 | 6.4 | 9.5 |
| B4.05 | 0.54 | 0.57 | 0.64 | 0.69 | 0.77 | 0.308 | 0.348 | 0.373 | 0.417 | 0 | 0.24 | 0.026 | 0.00 | 100 | U | 0.015 | 0.84 | 150 | 0.015 | 0.090 | 11.5 | 0.217 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.9 | 3.3 | 4.3 | 6.4 |
| B5.01 | 1.86 | 0.51 | 0.58 | 0.63 | 0.71 | 0.957 | 1.087 | 1.170 | 1.319 | 32 | 0.24 | 0.011 | 6.58 | 120 | U | 0.011 | 1.18 | 400 | 0.015 | 0.006 | 3.0 | 2.237 | 10.00 | 5.02 | 7.51 | 9.22 | 12.14 | 4.8 | 8.2 | 10.8 | 16.0 |
| B5.02 | 1.28 | 0.50 | 0.57 | 0.61 | 0.69 | 0.638 | 0.727 | 0.784 | 0.885 | 32 | 0.24 | 0.011 | 6.58 | 120 | U | 0.011 | 1.18 | 400 | 0.015 | 0.006 | 3.0 | 2.237 | 10.00 | 5.02 | 7.51 | 9.22 | 12.14 | 3.2 | 5.5 | 7.2 | 10.7 |
| B5.03 | 0.86 | 0.58 | 0.65 | 0.70 | 0.78 | 0.499 | 0.561 | 0.601 | 0.672 | 0 | 0.24 | 0.022 | 0.00 | 120 | U | 0.015 | 1.01 | 220 | 0.015 | 0.020 | 5.4 | 0.674 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.1 | 5.3 | 7.0 | 10.3 |
| B5.04 | 0.30 | 0.69 | 0.77 | 0.81 | 0.90 | 0.206 | 0.230 | 0.244 | 0.270 | 0 | 0.24 | 0.022 | 0.00 | 120 | U | 0.015 | 1.01 | 220 | 0.015 | 0.015 | 4.7 | 0.778 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.3 | 2.2 | 2.8 | 4.1 |
| B5.05 | 0.68 | 0.56 | 0.63 | 0.68 | 0.76 | 0.381 | 0.430 | 0.462 | 0.517 | 0 | 0.24 | 0.022 | 0.00 | 120 | U | 0.015 | 1.01 | 220 | 0.015 | 0.015 | 4.7 | 0.778 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.4 | 4.1 | 5.4 | 7.9 |
| B5.06 | 0.74 | 0.56 | 0.63 | 0.68 | 0.76 | 0.413 | 0.466 | 0.500 | 0.561 | 0 | 0.24 | 0.022 | 0.00 | 120 | U | 0.015 | 1.01 | 220 | 0.015 | 0.007 | 3.2 | 1.139 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.6 | 4.4 | 5.8 | 8.6 |
| B5.06 | 0.74 | 0.56 | 0.63 | 0.68 | 0.76 | 0.413 | 0.466 | 0.500 | 0.561 | 20 | 0.24 | 0.015 | 3.99 | 120 | U | 0.015 | 1.01 | 220 | 0.015 | 0.007 | 3.2 | 1.139 | 6.14 | 5.92 | 8.89 | 10.94 | 14.41 | 2.4 | 4.1 | 5.5 | 8.1 |
| B5.07 | 0.87 | 0.56 | 0.64 | 0.68 | 0.77 | 0.492 | 0.554 | 0.594 | 0.666 | 15 | 0.24 | 0.015 | 3.17 | 120 | U | 0.015 | 1.01 | 180 | 0.015 | 0.007 | 3.2 | 0.932 | 5.12 | 6.23 | 9.37 | 11.55 | 15.22 | 3.1 | 5.2 | 6.9 | 10.1 |
| B5.08 | 0.98 | 0.56 | 0.63 | 0.68 | 0.76 | 0.548 | 0.618 | 0.663 | 0.743 | 15 | 0.24 | 0.015 | 3.17 | 120 | U | 0.015 | 1.01 | 180 | 0.015 | 0.007 | 3.2 | 0.932 | 5.12 | 6.23 | 9.37 | 11.55 | 15.22 | 3.4 | 5.8 | 7.7 | 11.3 |
| B5.09 | 0.40 | 0.65 | 0.72 | 0.77 | 0.85 | 0.257 | 0.287 | 0.306 | 0.340 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.015 | 0.00 | 600 | 0.015 | 0.007 | 3.2 | 3.107 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.6 | 2.7 | 3.6 | 5.2 |
| B6.01 | 0.47 | 0.52 | 0.59 | 0.64 | 0.72 | 0.245 | 0.278 | 0.300 | 0.337 | 15 | 0.24 | 0.015 | 3.17 | 120 | U | 0.015 | 1.01 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.5 | 2.6 | 3.5 | 5.2 |
| B6.02 | 0.57 | 0.54 | 0.61 | 0.66 | 0.74 | 0.309 | 0.349 | 0.375 | 0.421 | 15 | 0.24 | 0.015 | 3.17 | 120 | U | 0.015 | 1.01 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.9 | 3.3 | 4.4 | 6.5 |
| C1.01 | 0.40 | 0.64 | 0.72 | 0.77 | 0.85 | 0.258 | 0.288 | 0.307 | 0.341 | 0 | 0.24 | 0.022 | 0.00 | 0 | U | 0.015 | 0.00 | 600 | 0.015 | 0.020 | 5.4 | 1.838 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.6 | 2.7 | 3.6 | 5.2 |
| C1.02A | 0.16 | 0.56 | 0.63 | 0.68 | 0.76 | 0.090 | 0.101 | 0.109 | 0.122 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.015 | 0.00 | 200 | 0.015 | 0.007 | 3.2 | 1.036 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.6 | 1.0 | 1.3 | 1.9 |
| C1.02B | 0.19 | 0.58 | 0.65 | 0.70 | 0.78 | 0.110 | 0.124 | 0.132 | 0.148 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.015 | 0.00 | 250 | 0.015 | 0.007 | 3.2 | 1.295 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.7 | 1.2 | 1.5 | 2.3 |
| C1.02 | 0.35 | 0.57 | 0.64 | 0.69 | 0.77 | 0.200 | 0.225 | 0.241 | 0.270 | - | - | - | - | - | U | - | - | - | - | - | - | - | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.3 | 2.1 | 2.8 | 4.1 |
| C1.03 | 0.85 | 0.57 | 0.64 | 0.69 | 0.77 | 0.486 | 0.548 | 0.587 | 0.657 | 20 | 0.24 | 0.028 | 3.11 | 250 | U | 0.033 | 1.42 | 50 | 0.015 | 0.010 | 3.8 | 0.217 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.0 | 5.2 | 6.8 | 10.1 |
| C1.04 | 0.68 | 0.55 | 0.62 | 0.66 | 0.75 | 0.372 | 0.421 | 0.452 | 0.507 | 20 | 0.24 | 0.032 | 2.95 | 250 | U | 0.035 | 1.38 | 80 | 0.015 | 0.010 | 3.8 | 0.347 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.3 | 4.0 | 5.3 | 7.8 |
| C1.05 | 0.68 | 0.55 | 0.62 | 0.67 | 0.75 | 0.376 | 0.425 | 0.456 | 0.511 | 20 | 0.24 | 0.035 | 2.84 | 250 | U | 0.036 | 1.36 | 80 | 0.015 | 0.010 | 3.8 | 0.347 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.4 | 4.0 | 5.3 | 7.8 |
| C1.06 | 0.53 | 0.56 | 0.63 | 0.67 | 0.75 | 0.294 | 0.332 | 0.357 | 0.400 | 20 | 0.24 | 0.025 | 3.25 | 170 | U | 0.031 | 1.00 | 20 | 0.015 | 0.005 | 2.7 | 0.123 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.8 | 3.1 | 4.1 | 6.1 |
| C1.07 | 0.27 | 0.56 | 0.63 | 0.68 | 0.76 | 0.151 | 0.171 | 0.183 | 0.205 | 20 | 0.24 | 0.030 | 3.03 | 120 | U | 0.030 | 0.72 | 80 | 0.015 | 0.005 | 2.7 | 0.490 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.9 | 1.6 | 2.1 | 3.1 |
| C1.08 | 0.37 | 0.65 | 0.72 | 0.77 | 0.86 | 0.240 | 0.268 | 0.285 | 0.317 | 0 | 0.24 | 0.030 | 0.00 | 0 | U | 0.030 | 0.00 | 600 | 0.015 | 0.005 | 2.7 | 3.676 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.5 | 2.5 | 3.3 | 4.9 |
| C2.01 | 0.76 | 0.55 | 0.62 | 0.67 | 0.75 | 0.419 | 0.474 | 0.508 | 0.570 | 20 | 0.24 | 0.013 | 4.23 | 280 | U | 0.013 | 2.54 | 100 | 0.015 | 0.008 | 3.3 | 0.500 | 7.26 | 5.63 | 8.43 | 10.37 | 13.64 | 2.4 | 4.0 | 5.3 | 7.8 |
| C2.02 | 0.70 | 0.55 | 0.62 | 0.66 | 0.75 | 0.383 | 0.433 | 0.465 | 0.523 | 20 | 0.24 | 0.015 | 3.99 | 280 | U | 0.014 | 2.46 | 80 | 0.015 | 0.008 | 3.3 | 0.400 | 6.85 | 5.73 | 8.59 | 10.57 | 13.91 | 2.2 | 3.7 | 4.9 | 7.3 |
| C2.03 | 0.71 | 0.52 | 0.59 | 0.64 | 0.72 | 0.372 | 0.422 | 0.454 | 0.511 | 20 | 0.24 | 0.012 | 4.34 | 280 | U | 0.015 | 2.36 | 80 | 0.015 | 0.008 | 3.3 | 0.400 | 7.10 | 5.67 | 8.49 | 10.45 | 13.75 | 2.1 | 3.6 | 4.7 | 7.0 |
| C2.04 | 0.68 | 0.60 | 0.68 | 0.72 | 0.81 | 0.409 | 0.459 | 0.491 | 0.548 | 20 | 0.24 | 0.023 | 3.34 | 200 | U | 0.023 | 1.37 | 50 | 0.015 | 0.020 | 5.4 | 0.153 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.6 | 4.3 | 5.7 | 8.4 |
| C2.05 | 0.58 | 0.50 | 0.57 | 0.62 | 0.70 | 0.293 | 0.333 | 0.359 | 0.405 | 15 | 0.24 | 0.015 | 3.17 | 100 | U | 0.015 | 0.84 | 200 | 0.015 | 0.020 | 5.4 | 0.613 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.8 | 3.1 | 4.2 | 6.2 |
| C2.06 | 0.84 | 0.54 | 0.62 | 0.66 | 0.74 | 0.457 | 0.517 | 0.555 | 0.624 | 15 | 0.24 | 0.036 | 2.23 | 200 | U | 0.032 | 1.15 | 100 | 0.015 | 0.020 | 5.4 | 0.306 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.9 | 4.9 | 6.5 | 9.6 |
| C2.07 | 0.19 | 0.68 | 0.76 | 0.80 | 0.89 | 0.129 | 0.144 | 0.153 | 0.169 | 0 | 0.24 | 0.036 | 0.00 | 0 | U | 0.032 | 0.00 | 500 | 0.015 | 0.020 | 5.4 | 1.532 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.8 | 1.4 | 1.8 | 2.6 |
| C3.01 | 0.50 | 0.59 | 0.66 | 0.71 | 0.79 | 0.294 | 0.331 | 0.354 | 0.396 | 15 | 0.24 | 0.013 | 3.36 | 230 | U | 0.027 | 1.45 | 10 | 0.015 | 0.005 | 2.7 | 0.061 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.8 | 3.1 | 4.1 | 6.1 |
| C3.02 | 0.49 | 0.55 | 0.62 | 0.67 | 0.75 | 0.271 | 0.306 | 0.328 | 0.368 | 20 | 0.24 | 0.025 | 3.25 | 250 | U | 0.026 | 1.60 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 5.16 | 6.22 | 9.35 | 11.52 | 15.18 | 1.7 | 2.9 | 3.8 | 5.6 |
| C3.03 | 0.67 | 0.55 | 0.62 | 0.67 | 0.75 | 0.369 | 0.417 | 0.448 | 0.502 | 20 | 0.24 | 0.025 | 3.25 | 260 | U | 0.026 | 1.67 | 80 | 0.015 | 0.005 | 2.7 | 0.490 | 5.41 | 6.14 | 9.23 | 11.37 | 14.98 | 2.3 | 3.8 | 5.1 | 7.5 |
| C3.04 | 0.56 | 0.55 | 0.62 | 0.67 | 0.75 | 0.309 | 0.349 | 0.375 | 0.420 | 20 | 0.24 | 0.025 | 3.25 | 260 | U | 0.025 | 1.70 | 80 | 0.015 | 0.005 | 2.7 | 0.490 | 5.44 | 6.13 | 9.21 | 11.35 | 14.95 | 1.9 | 3.2 | 4.3 | 6.3 |
| C3.05 | 0.34 | 0.55 | 0.62 | 0.67 | 0.75 | 0.187 | 0.211 | 0.227 | 0.254 | 20 | 0.24 | 0.024 | 3.31 | 290 | U | 0.022 | 2.02 | 40 | 0.015 | 0.005 | 2.7 | 0.245 | 5.57 | 6.09 | 9.15 | 11.27 | 14.85 | 1.1 | 1.9 | 2.6 | 3.8 |
| C3.06 | 0.24 | 0.67 | 0.75 | 0.80 | 0.88 | 0.161 | 0.179 | 0.191 | 0.212 | 0 | 0.24 | 0.024 | 0.00 | 0 | U | 0.022 | 0.00 | 400 | 0.015 | 0.005 | 2.7 | 2.451 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.0 | 1.7 | 2.2 | 3.2 |
| C4.01 | 0.62 | 0.56 | 0.63 | 0.68 | 0.76 | 0.347 | 0.392 | 0.420 | 0.471 | 15 | 0.24 | 0.015 | 3.17 | 110 | U | 0.015 | 0.93 | 180 | 0.015 | 0.006 | 3.0 | 1.007 | 5.11 | 6.24 | 9.38 | 11.56 | 15.23 | 2.2 | 3.7 | 4.9 | 7.2 |
| C4.02 | 0.62 | 0.56 | 0.63 | 0.68 | 0.76 | 0.347 | 0.392 | 0.420 | 0.471 | 15 | 0.24 | 0.015 | 3.17 | 110 | U | 0.015 | 0.93 | 180 | 0.015 | 0.006 | 3.0 | 1.007 | 5.11 | 6.24 | 9.38 | 11.56 | 15.23 | 2.2 | 3.7 | 4.9 | 7.2 |
| C4.03 | 0.25 | 0.67 | 0.75 | 0.80 | 0.89 | 0.169 | 0.188 | 0.200 | 0.222 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.015 | 0.00 | 420 | 0.015 | 0.006 | 3.0 | 2.349 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.1 | 1.8 | 2.3 | 3.4 |
| C4.04 | 0.90 | 0.47 | 0.53 | 0.58 | 0.66 | 0.420 | 0.481 | 0.521 | 0.591 | 15 | 0.24 | 0.015 | 3.17 | 110 | U | 0.015 | 0.93 | 240 | 0.015 | 0.006 | 3.0 | 1.342 | 5.44 | 6.13 | 9.21 | 11.35 | 14.95 | 2.6 | 4.4 | 5.9 | 8.8 |
| C4.05 | 0.11 | 0.80 | 0.89 | 0.94 | 1.03 | 0.088 | 0.098 | 0.103 | 0.113 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.015 | 0.00 | 200 | 0.015 | 0.006 | 3.0 | 1.119 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.6 | 0.9 | 1.2 | 1.7 |
| C4.06 | 0.55 | 0.54 | 0.61 | 0.65 | 0.73 | 0.295 | 0.334 | 0.359 | 0.404 | 0 | 0.24 | 0.015 | 0.00 | 50 | U | 0.015 | 0.42 | 200 | 0.015 | 0.006 | 3.0 | 1.119 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.9 | 3.2 | 4.2 | 6.2 |

| DRAINAGE AREA | AREA (acres) | COMPOSITE C $C_2$ | $C_{10}$ | $C_{25}$ | $C_{100}$ | $A \cdot C_2$ | $A \cdot C_{10}$ | $A \cdot C_{25}$ | $A \cdot C_{100}$ | SHEET FLOW Length (ft) | Manning's (n) | Slope ft/ft | Tc (min) | SHALLOW CONCENTRATED FLOW Length (ft) | Paved/ Unpaved | Slope ft/ft | Tc (min) | CHANNELIZED FLOW Length (ft) | Manning's (n) | Slope ft/ft | Velocity ft/s | Tc (min) | Cumulative Tc (min) | INTENSITY I 2yr (in/hr) | I 10yr (in/hr) | I 25yr (in/hr) | I 100yr (in/hr) | DISCHARGE Q 2 (cfs) | Q 10 (cfs) | Q 25 (cfs) | Q 100 (cfs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ULTIMATE CONDITION DRAINAGE AREAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C4.08 | 0.16 | 1.29 | 1.39 | 1.46 | 1.57 | 0.206 | 0.223 | 0.233 | 0.251 | 0 | 0.24 | 0.015 | 0.00 | 50 | U | 0.015 | 0.42 | 200 | 0.015 | 0.005 | 2.7 | 1.225 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.3 | 2.1 | 2.7 | 3.9 |
| C4.07 | 0.31 | 0.77 | 0.85 | 0.90 | 1.00 | 0.240 | 0.265 | 0.280 | 0.309 | 0 | 0.24 | 0.015 | 0.00 | 50 | U | 0.015 | 0.42 | 200 | 0.015 | 0.005 | 2.7 | 1.225 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.5 | 2.5 | 3.3 | 4.7 |
| C4.09 | 1.23 | 0.42 | 0.48 | 0.53 | 0.60 | 0.513 | 0.594 | 0.647 | 0.740 | 15 | 0.24 | 0.015 | 3.17 | 220 | U | 0.015 | 1.86 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.64 | 6.07 | 9.12 | 11.23 | 14.79 | 3.1 | 5.4 | 7.3 | 10.9 |
| C4.10 | 0.85 | 0.48 | 0.55 | 0.60 | 0.68 | 0.411 | 0.469 | 0.507 | 0.574 | 15 | 0.24 | 0.015 | 3.17 | 220 | U | 0.011 | 2.17 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.95 | 5.98 | 8.98 | 11.05 | 14.56 | 2.5 | 4.2 | 5.6 | 8.4 |
| C4.11 | 0.40 | 0.58 | 0.65 | 0.69 | 0.78 | 0.230 | 0.259 | 0.278 | 0.311 | 0 | 0.24 | 0.015 | 0.00 | 220 | U | 0.011 | 2.17 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.4 | 2.4 | 3.2 | 4.8 |
| C4.12 | 0.65 | 0.49 | 0.56 | 0.60 | 0.68 | 0.318 | 0.362 | 0.391 | 0.443 | 15 | 0.24 | 0.015 | 3.17 | 220 | U | 0.013 | 1.99 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.78 | 6.03 | 9.06 | 11.15 | 14.69 | 1.9 | 3.3 | 4.4 | 6.5 |
| C4.13A | 0.48 | 0.55 | 0.62 | 0.66 | 0.75 | 0.263 | 0.297 | 0.319 | 0.358 | 15 | 0.24 | 0.015 | 3.17 | 220 | U | 0.013 | 1.99 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.78 | 6.03 | 9.06 | 11.15 | 14.69 | 1.6 | 2.7 | 3.6 | 5.3 |
| C4.13B | 0.65 | 0.52 | 0.59 | 0.63 | 0.71 | 0.337 | 0.382 | 0.412 | 0.464 | 35 | 0.24 | 0.015 | 6.25 | 125 | U | 0.013 | 1.13 | 10 | 0.015 | 0.005 | 2.7 | 0.061 | 7.44 | 5.58 | 8.36 | 10.28 | 13.53 | 1.9 | 3.2 | 4.2 | 6.3 |
| C4.13 | 1.13 | 0.53 | 0.60 | 0.65 | 0.73 | 0.600 | 0.680 | 0.731 | 0.822 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.013 | 0.00 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.8 | 6.4 | 8.5 | 12.6 |
| C4.14 | 0.08 | 0.66 | 0.73 | 0.78 | 0.87 | 0.052 | 0.059 | 0.062 | 0.069 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.013 | 0.00 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.3 | 0.6 | 0.7 | 1.1 |
| C4.15 | 0.31 | 0.66 | 0.74 | 0.79 | 0.88 | 0.206 | 0.230 | 0.245 | 0.272 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.013 | 0.00 | 500 | 0.015 | 0.005 | 2.7 | 3.064 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.3 | 2.2 | 2.8 | 4.2 |
| C5.01 | 0.91 | 0.55 | 0.62 | 0.67 | 0.75 | 0.502 | 0.567 | 0.609 | 0.683 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.020 | 0.00 | 700 | 0.015 | 0.008 | 3.4 | 3.391 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.1 | 5.3 | 7.1 | 10.5 |
| C5.02 | 0.11 | 0.66 | 0.73 | 0.78 | 0.87 | 0.072 | 0.081 | 0.086 | 0.095 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.020 | 0.00 | 200 | 0.015 | 0.008 | 3.3 | 1.001 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.5 | 0.8 | 1.0 | 1.5 |
| C6.01 | 0.78 | 0.54 | 0.61 | 0.66 | 0.74 | 0.420 | 0.476 | 0.511 | 0.575 | 15 | 0.24 | 0.020 | 2.83 | 110 | U | 0.020 | 0.80 | 210 | 0.015 | 0.020 | 5.4 | 0.643 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.6 | 4.5 | 5.9 | 8.8 |
| C6.02 | 0.50 | 0.57 | 0.64 | 0.69 | 0.77 | 0.284 | 0.320 | 0.343 | 0.384 | 15 | 0.24 | 0.020 | 2.83 | 110 | U | 0.020 | 0.80 | 210 | 0.015 | 0.012 | 4.2 | 0.831 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.8 | 3.0 | 4.0 | 5.9 |
| C6.03 | 0.42 | 0.57 | 0.65 | 0.69 | 0.77 | 0.240 | 0.271 | 0.290 | 0.325 | 15 | 0.24 | 0.020 | 2.83 | 110 | U | 0.020 | 0.80 | 210 | 0.015 | 0.012 | 4.2 | 0.831 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.5 | 2.6 | 3.4 | 5.0 |
| C6.04 | 0.18 | 0.68 | 0.76 | 0.81 | 0.90 | 0.123 | 0.137 | 0.146 | 0.162 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.020 | 0.00 | 500 | 0.015 | 0.012 | 4.2 | 1.978 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.8 | 1.3 | 1.7 | 2.5 |
| C6.05 | 0.71 | 0.55 | 0.62 | 0.67 | 0.75 | 0.391 | 0.442 | 0.474 | 0.532 | 15 | 0.24 | 0.020 | 2.83 | 125 | U | 0.020 | 0.92 | 70 | 0.015 | 0.020 | 5.4 | 0.216 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.5 | 4.2 | 5.5 | 8.2 |
| C6.06 | 0.42 | 0.62 | 0.70 | 0.74 | 0.83 | 0.261 | 0.292 | 0.312 | 0.348 | 0 | 0.24 | 0.020 | 0.00 | 270 | U | 0.019 | 2.01 | 140 | 0.015 | 0.005 | 2.7 | 0.858 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.6 | 2.8 | 3.6 | 5.3 |
| C6.07 | 0.75 | 0.55 | 0.62 | 0.66 | 0.75 | 0.411 | 0.464 | 0.499 | 0.560 | 15 | 0.24 | 0.015 | 3.17 | 120 | U | 0.015 | 1.01 | 80 | 0.015 | 0.015 | 4.7 | 0.283 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.6 | 4.4 | 5.8 | 8.6 |
| C6.08 | 0.90 | 0.56 | 0.63 | 0.68 | 0.76 | 0.505 | 0.570 | 0.612 | 0.686 | 30 | 0.24 | 0.023 | 4.68 | 150 | U | 0.015 | 1.27 | 250 | 0.015 | 0.018 | 5.2 | 0.807 | 6.75 | 5.76 | 8.63 | 10.62 | 13.98 | 2.9 | 4.9 | 6.5 | 9.6 |
| C6.09 | 0.70 | 0.55 | 0.62 | 0.67 | 0.75 | 0.384 | 0.434 | 0.466 | 0.523 | 30 | 0.24 | 0.020 | 4.92 | 140 | U | 0.020 | 1.02 | 100 | 0.015 | 0.018 | 5.2 | 0.323 | 6.27 | 5.89 | 8.84 | 10.88 | 14.32 | 2.3 | 3.8 | 5.1 | 7.5 |
| C6.10 | 0.81 | 0.55 | 0.63 | 0.67 | 0.75 | 0.449 | 0.507 | 0.544 | 0.610 | 30 | 0.24 | 0.020 | 4.92 | 140 | U | 0.020 | 1.02 | 150 | 0.015 | 0.018 | 5.2 | 0.484 | 6.43 | 5.85 | 8.77 | 10.79 | 14.21 | 2.6 | 4.4 | 5.9 | 8.7 |
| C6.11 | 0.91 | 0.55 | 0.62 | 0.66 | 0.75 | 0.497 | 0.562 | 0.604 | 0.678 | 25 | 0.24 | 0.020 | 4.25 | 245 | U | 0.020 | 1.79 | 80 | 0.015 | 0.018 | 5.2 | 0.258 | 6.30 | 5.88 | 8.82 | 10.86 | 14.30 | 2.9 | 5.0 | 6.6 | 9.7 |
| C6.12 | 0.41 | 0.66 | 0.74 | 0.79 | 0.87 | 0.271 | 0.303 | 0.323 | 0.358 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.020 | 0.00 | 700 | 0.015 | 0.018 | 5.2 | 2.260 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.7 | 2.9 | 3.8 | 5.5 |
| C7.01 | 0.56 | 0.57 | 0.64 | 0.68 | 0.77 | 0.317 | 0.357 | 0.383 | 0.429 | 0 | 0.24 | 0.020 | 0.00 | 115 | U | 0.019 | 0.86 | 200 | 0.015 | 0.005 | 2.7 | 1.225 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.0 | 3.4 | 4.5 | 6.6 |
| C7.02 | 0.58 | 0.53 | 0.61 | 0.65 | 0.73 | 0.310 | 0.351 | 0.377 | 0.424 | 0 | 0.24 | 0.020 | 0.00 | 115 | U | 0.019 | 0.86 | 200 | 0.015 | 0.005 | 2.7 | 1.225 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.9 | 3.3 | 4.4 | 6.5 |
| C7.03 | 0.37 | 0.56 | 0.64 | 0.68 | 0.76 | 0.209 | 0.235 | 0.252 | 0.283 | 0 | 0.24 | 0.020 | 0.00 | 115 | U | 0.019 | 0.86 | 200 | 0.015 | 0.005 | 2.7 | 1.225 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.3 | 2.2 | 2.9 | 4.3 |
| C7.04 | 0.30 | 0.67 | 0.74 | 0.79 | 0.88 | 0.200 | 0.223 | 0.238 | 0.264 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.019 | 0.00 | 500 | 0.015 | 0.005 | 2.7 | 3.064 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.3 | 2.1 | 2.8 | 4.0 |
| C7.05 | 0.83 | 0.55 | 0.62 | 0.66 | 0.74 | 0.453 | 0.512 | 0.550 | 0.618 | 0 | 0.24 | 0.020 | 0.00 | 115 | U | 0.015 | 0.97 | 300 | 0.015 | 0.013 | 4.4 | 1.140 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.8 | 4.8 | 6.4 | 9.5 |
| C7.06 | 0.56 | 0.56 | 0.63 | 0.68 | 0.76 | 0.313 | 0.353 | 0.379 | 0.425 | 20 | 0.24 | 0.015 | 3.99 | 120 | U | 0.015 | 1.01 | 100 | 0.015 | 0.013 | 4.4 | 0.380 | 5.38 | 6.15 | 9.24 | 11.38 | 15.00 | 1.9 | 3.3 | 4.3 | 6.4 |
| C7.07 | 0.72 | 0.57 | 0.64 | 0.69 | 0.77 | 0.412 | 0.464 | 0.498 | 0.557 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.015 | 0.00 | 400 | 0.015 | 0.013 | 4.4 | 1.520 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.6 | 4.4 | 5.8 | 8.5 |
| C7.08 | 0.51 | 0.56 | 0.63 | 0.68 | 0.76 | 0.285 | 0.322 | 0.345 | 0.387 | 20 | 0.24 | 0.015 | 3.99 | 120 | U | 0.015 | 1.01 | 130 | 0.015 | 0.013 | 4.4 | 0.494 | 5.50 | 6.11 | 9.19 | 11.32 | 14.91 | 1.7 | 3.0 | 3.9 | 5.8 |
| C7.09 | 0.52 | 0.52 | 0.59 | 0.63 | 0.71 | 0.269 | 0.305 | 0.329 | 0.370 | 0 | 0.24 | 0.020 | 0.00 | 270 | U | 0.019 | 2.01 | 140 | 0.015 | 0.005 | 2.7 | 0.858 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.7 | 2.9 | 3.8 | 5.7 |
| C7.10 | 0.64 | 0.54 | 0.62 | 0.66 | 0.74 | 0.349 | 0.394 | 0.423 | 0.475 | 15 | 0.24 | 0.020 | 2.83 | 270 | U | 0.019 | 2.01 | 140 | 0.015 | 0.005 | 2.7 | 0.858 | 5.69 | 6.06 | 9.10 | 11.20 | 14.75 | 2.1 | 3.6 | 4.7 | 7.0 |
| C8.01 | 0.31 | 0.56 | 0.63 | 0.68 | 0.76 | 0.174 | 0.197 | 0.211 | 0.237 | 0 | 0.24 | 0.015 | 0.00 | 120 | U | 0.015 | 1.01 | 80 | 0.015 | 0.012 | 4.2 | 0.316 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.1 | 1.9 | 2.5 | 3.6 |
| C8.02 | 1.23 | 0.49 | 0.56 | 0.60 | 0.68 | 0.604 | 0.689 | 0.744 | 0.841 | 31 | 0.24 | 0.006 | 8.18 | 110 | U | 0.015 | 0.93 | 200 | 0.015 | 0.012 | 4.2 | 0.791 | 9.90 | 5.04 | 7.54 | 9.26 | 12.19 | 3.0 | 5.2 | 6.9 | 10.2 |
| C8.03 | 0.44 | 0.59 | 0.66 | 0.71 | 0.79 | 0.258 | 0.290 | 0.311 | 0.347 | 0 | 0.24 | 0.006 | 0.00 | 50 | U | 0.015 | 0.42 | 200 | 0.015 | 0.012 | 4.2 | 0.791 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.6 | 2.7 | 3.6 | 5.3 |
| C8.04 | 0.63 | 0.56 | 0.63 | 0.68 | 0.76 | 0.354 | 0.400 | 0.429 | 0.480 | 0 | 0.24 | 0.006 | 0.00 | 1120 | U | 0.015 | 9.45 | 200 | 0.015 | 0.012 | 4.2 | 0.791 | 10.24 | 4.98 | 7.44 | 9.14 | 12.03 | 1.8 | 3.0 | 3.9 | 5.8 |
| C8.05 | 0.55 | 0.56 | 0.64 | 0.68 | 0.76 | 0.310 | 0.350 | 0.375 | 0.420 | 20 | 0.24 | 0.024 | 3.31 | 230 | U | 0.024 | 1.53 | 50 | 0.015 | 0.008 | 3.4 | 0.242 | 5.08 | 6.24 | 9.39 | 11.57 | 15.25 | 1.9 | 3.3 | 4.3 | 6.4 |
| C8.06 | 0.66 | 0.55 | 0.62 | 0.67 | 0.75 | 0.363 | 0.410 | 0.440 | 0.494 | 20 | 0.24 | 0.024 | 3.31 | 230 | U | 0.025 | 1.50 | 85 | 0.015 | 0.009 | 3.5 | 0.399 | 5.21 | 6.20 | 9.33 | 11.49 | 15.14 | 2.3 | 3.8 | 5.1 | 7.5 |
| C8.07 | 0.63 | 0.55 | 0.62 | 0.67 | 0.75 | 0.348 | 0.393 | 0.422 | 0.473 | 20 | 0.24 | 0.024 | 3.31 | 230 | U | 0.025 | 1.50 | 85 | 0.015 | 0.009 | 3.5 | 0.399 | 5.21 | 6.20 | 9.33 | 11.49 | 15.14 | 2.2 | 3.7 | 4.8 | 7.2 |
| C8.08 | 0.24 | 0.66 | 0.73 | 0.78 | 0.87 | 0.158 | 0.176 | 0.187 | 0.208 | 0 | 0.24 | 0.024 | 0.00 | 0 | U | 0.025 | 0.00 | 400 | 0.015 | 0.008 | 3.3 | 2.001 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.0 | 1.7 | 2.2 | 3.2 |
| C8.09 | 0.62 | 0.55 | 0.62 | 0.66 | 0.75 | 0.340 | 0.384 | 0.412 | 0.463 | 0 | 0.24 | 0.024 | 0.00 | 0 | U | 0.025 | 0.00 | 400 | 0.015 | 0.008 | 3.3 | 2.001 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.1 | 3.6 | 4.8 | 7.1 |
| C8.10 | 1.13 | 0.55 | 0.62 | 0.66 | 0.74 | 0.617 | 0.697 | 0.749 | 0.841 | 20 | 0.24 | 0.024 | 3.31 | 255 | U | 0.008 | 2.95 | 180 | 0.015 | 0.008 | 3.3 | 0.901 | 7.15 | 5.65 | 8.47 | 10.42 | 13.72 | 3.5 | 5.9 | 7.8 | 11.5 |
| C9.01 | 0.99 | 0.49 | 0.56 | 0.61 | 0.68 | 0.487 | 0.556 | 0.600 | 0.678 | 0 | 0.24 | 0.024 | 0.00 | 120 | U | 0.002 | 3.20 | 400 | 0.015 | 0.012 | 4.2 | 1.582 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.1 | 5.2 | 7.0 | 10.4 |
| C10.01 | 0.83 | 0.55 | 0.62 | 0.67 | 0.75 | 0.457 | 0.516 | 0.554 | 0.622 | 20 | 0.24 | 0.015 | 3.99 | 290 | U | 0.015 | 2.45 | 80 | 0.015 | 0.015 | 4.7 | 0.283 | 6.72 | 5.77 | 8.65 | 10.64 | 14.00 | 2.6 | 4.5 | 5.9 | 8.7 |
| C10.02 | 0.75 | 0.54 | 0.62 | 0.66 | 0.74 | 0.408 | 0.462 | 0.496 | 0.557 | 20 | 0.24 | 0.015 | 3.99 | 340 | U | 0.015 | 2.87 | 80 | 0.015 | 0.015 | 4.7 | 0.283 | 7.14 | 5.66 | 8.48 | 10.43 | 13.72 | 2.3 | 3.9 | 5.2 | 7.6 |
| C10.03 | 0.87 | 0.61 | 0.68 | 0.73 | 0.82 | 0.531 | 0.596 | 0.637 | 0.710 | 20 | 0.24 | 0.015 | 3.99 | 225 | U | 0.015 | 1.90 | 50 | 0.015 | 0.015 | 4.7 | 0.177 | 6.07 | 5.95 | 8.93 | 10.99 | 14.47 | 3.2 | 5.3 | 7.0 | 10.3 |
| C10.04 | 1.08 | 0.55 | 0.62 | 0.67 | 0.75 | 0.595 | 0.672 | 0.721 | 0.810 | 20 | 0.24 | 0.015 | 3.99 | 315 | U | 0.015 | 2.66 | 180 | 0.015 | 0.015 | 4.7 | 0.637 | 7.29 | 5.62 | 8.42 | 10.36 | 13.63 | 3.3 | 5.7 | 7.5 | 11.0 |
| C10.05 | 0.40 | 0.65 | 0.73 | 0.78 | 0.86 | 0.260 | 0.291 | 0.310 | 0.344 | 20 | 0.24 | 0.015 | 3.99 | 315 | U | 0.015 | 2.66 | 180 | 0.015 | 0.015 | 4.7 | 0.637 | 7.29 | 5.62 | 8.42 | 10.36 | 13.63 | 1.5 | 2.4 | 3.2 | 4.7 |
| C10.06 | 1.03 | 0.55 | 0.62 | 0.67 | 0.75 | 0.569 | 0.643 | 0.690 | 0.774 | 20 | 0.24 | 0.015 | 3.99 | 315 | U | 0.018 | 2.43 | 180 | 0.015 | 0.015 | 4.7 | 0.637 | 7.05 | 5.68 | 8.51 | 10.47 | 13.78 | 3.2 | 5.5 | 7.2 | 10.7 |
| C10.07 | 0.80 | 0.54 | 0.61 | 0.66 | 0.74 | 0.435 | 0.492 | 0.528 | 0.593 | 20 | 0.24 | 0.015 | 3.99 | 300 | U | 0.020 | 2.19 | 180 | 0.015 | 0.015 | 4.7 | 0.637 | 6.82 | 5.74 | 8.61 | 10.59 | 13.94 | 2.5 | 4.2 | 5.6 | 8.3 |
| C10.08 | 0.80 | 0.55 | 0.62 | 0.67 | 0.75 | 0.440 | 0.497 | 0.534 | 0.599 | 20 | 0.24 | 0.015 | 3.99 | 300 | U | 0.020 | 2.19 | 180 | 0.015 | 0.015 | 4.7 | 0.637 | 6.82 | 5.74 | 8.61 | 10.59 | 13.94 | 2.5 | 4.3 | 5.6 | 8.3 |
| C10.09 | 0.68 | 0.55 | 0.62 | 0.66 | 0.75 | 0.372 | 0.420 | 0.451 | 0.507 | 20 | 0.24 | 0.020 | 3.56 | 320 | U | 0.020 | 2.34 | 70 | 0.015 | 0.015 | 4.7 | 0.248 | 6.14 | 5.92 | 8.89 | 10.94 | 14.41 | 2.2 | 3.7 | 4.9 | 7.3 |
| C10.10 | 0.69 | 0.55 | 0.62 | 0.67 | 0.75 | 0.381 | 0.430 | 0.462 | 0.518 | 20 | 0.24 | 0.024 | 3.31 | 300 | U | 0.024 | 2.00 | 100 | 0.015 | 0.015 | 4.7 | 0.354 | 5.66 | 6.06 | 9.11 | 11.22 | 14.78 | 2.3 | 3.9 | 5.2 | 7.7 |
| C10.11A | 0.25 | 0.55 | 0.62 | 0.67 | 0.75 | 0.138 | 0.156 | 0.167 | 0.188 | 20 | 0.24 | 0.031 | 2.99 | 170 | U | 0.031 | 1.00 | 60 | 0.015 | 0.014 | 4.6 | 0.220 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.9 | 1.5 | 1.9 | 2.9 |
| C10.11B | 0.50 | 0.55 | 0.62 | 0.67 | 0.75 | 0.274 | 0.310 | 0.333 | 0.374 | 20 | 0.24 | 0.031 | 2.99 | 265 | U | 0.031 | 1.55 | 60 | 0.015 | 0.014 | 4.6 | 0.220 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.7 | 2.9 | 3.9 | 5.7 |
| C10.11 | 0.75 | 0.55 | 0.62 | 0.67 | 0.75 | 0.412 | 0.466 | 0.500 | 0.561 | - | - | - | - | - | U | - | - | - | - | - | - | - | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.6 | 4.4 | 5.8 | 8.6 |
| C10.12A | 0.40 | 0.65 | 0.72 | 0.77 | 0.86 | 0.258 | 0.289 | 0.308 | 0.342 | 0 | 0.24 | 0.031 | 0.00 | 0 | U | 0.031 | 0.00 | 600 | 0.015 | 0.014 | 4.6 | 2.197 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.6 | 2.7 | 3.6 | 5.2 |
| C10.12B | 0.18 | 0.62 | 0.69 | 0.74 | 0.83 | 0.112 | 0.125 | 0.134 | 0.149 | 0 | 0.24 | 0.031 | 0.00 | 0 | U | 0.031 | 0.00 | 60 | 0.015 | 0.014 | 4.6 | 0.220 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.7 | 1.2 | 1.6 | 2.3 |
| C10.12 | 0.58 | 0.64 | 0.71 | 0.76 | 0.85 | 0.370 | 0.414 | 0.441 | 0.491 | - | - | - | - | - | U | - | - | - | - | - | - | - | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.3 | 3.9 | 5.1 | 7.5 |
| C11.01 | 0.82 | 0.55 | 0.62 | 0.67 | 0.75 | 0.451 | 0.509 | 0.547 | 0.614 | 20 | 0.24 | 0.019 | 3.63 | 260 | U | 0.019 | 1.95 | 80 | 0.015 | 0.005 | 2.7 | 0.490 | 6.07 | 5.95 | 8.92 | 10.99 | 14.47 | 2.7 | 4.5 | 6.0 | 8.9 |
| C11.02 | 0.48 | 0.55 | 0.62 | 0.67 | 0.75 | 0.263 | 0.298 | 0.320 | 0.359 | 20 | 0.24 | 0.018 | 3.71 | 255 | U | 0.018 | 1.96 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 5.98 | 5.97 | 8.96 | 11.04 | 14.53 | 1.6 | 2.7 | 3.5 | 5.2 |
| C11.03 | 0.71 | 0.54 | 0.61 | 0.66 | 0.74 | 0.385 | 0.436 | 0.468 | 0.526 | 20 | 0.24 | 0.018 | 3.71 | 270 | U | 0.018 | 2.08 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 6.10 | 5.94 | 8.91 | 10.97 | 14.45 | 2.3 | 3.9 | 5.1 | 7.6 |
| C11.04 | 0.73 | 0.54 | 0.62 | 0.66 | 0.74 | 0.398 | 0.450 | 0.483 | 0.543 | 20 | 0.24 | 0.016 | 3.89 | 270 | U | 0.016 | 2.20 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 6.40 | 5.85 | 8.78 | 10.80 | 14.23 | 2.3 | 3.9 | 5.2 | 7.7 |
| C11.05 | 0.45 | 0.55 | 0.62 | 0.67 | 0.75 | 0.247 | 0.279 | 0.300 | 0.337 | 20 | 0.24 | 0.015 | 3.99 | 265 | U | 0.015 | 2.24 | 50 | 0.015 | 0.005 | 2.7 | 0.306 | 6.53 | 5.82 | 8.72 | 10.73 | 14.13 | 1.4 | 2.4 | 3.2 | 4.8 |
| C11.06 | 0.22 | 0.63 | 0.70 | 0.75 | 0.84 | 0.138 | 0.155 | 0.165 | 0.184 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.015 | 0.00 | 300 | 0.015 | 0.005 | 2.7 | 1.838 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.9 | 1.5 | 1.9 | 2.8 |
| C11.07 | 0.54 | 0.56 | 0.63 | 0.67 | 0.76 | 0.300 | 0.339 | 0.364 | 0.408 | 20 | 0.24 | 0.015 | 3.99 | 280 | U | 0.015 | 2.36 | 60 | 0.015 | 0.005 | 2.7 | 0.368 | 6.72 | 5.77 | 8.65 | 10.64 | 14.00 | 1.7 | 2.9 | 3.9 | 5.7 |
| C11.08 | 0.96 | 0.39 | 0.45 | 0.49 | 0.57 | 0.371 | 0.433 | 0.473 | 0.545 | 20 | 0.24 | 0.015 | 3.99 | 305 | U | 0.015 | 2.57 | 20 | 0.015 | 0.005 | 2.7 | 0.123 | 6.69 | 5.78 | 8.66 | 10.65 | 14.03 | 2.1 | 3.7 | 5.0 | 7.6 |
| D1.01 | 0.33 | 0.44 | 0.51 | 0.55 | 0.63 | 0.146 | 0.168 | 0.183 | 0.208 | 15 | 0.24 | 0.015 | 3.17 | 115 | U | 0.015 | 0.97 | 155 | 0.015 | 0.014 | 4.6 | 0.568 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.9 | 1.6 | 2.1 | 3.2 |
| D1.02 | 0.21 | 0.77 | 0.85 | 0.90 | 1.00 | 0.162 | 0.179 | 0.190 | 0.209 | 15 | 0.24 | 0.015 | 3.17 | 115 | U | 0.015 | 0.97 | 155 | 0.015 | 0.014 | 4.6 | 0.568 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.0 | 1.7 | 2.2 | 3.2 |
| D1.03 | 0.68 | 0.60 | 0.68 | 0.73 | 0.81 | 0.411 | 0.461 | 0.493 | 0.550 | 15 | 0.24 | 0.015 | 3.17 | 115 | U | 0.015 | 0.97 | 155 | 0.015 | 0.014 | 4.6 | 0.568 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.6 | 4.4 | 5.7 | 8.4 |
| D1.04 | 0.76 | 0.58 | 0.65 | 0.70 | 0.78 | 0.440 | 0.495 | 0.531 | 0.594 | 15 | 0.24 | 0.015 | 3.17 | 115 | U | 0.015 | 0.97 | 155 | 0.015 | 0.014 | 4.6 | 0.568 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.8 | 4.7 | 6.2 | 9.1 |
| D1.05 | 1.00 | 0.55 | 0.62 | 0.66 | 0.74 | 0.546 | 0.618 | 0.664 | 0.745 | 0 | 0.24 | 0.015 | 0.00 | 200 | U | 0.019 | 1.49 | 10 | 0.015 | 0.014 | 4.6 | 0.037 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.4 | 5.8 | 7.7 | 11.4 |
| D1.06 | 0.70 | 0.56 | 0.63 | 0.68 | 0.76 | 0.393 | 0.444 | 0.476 | 0.534 | 20 | 0.24 | 0.024 | 3.31 | 235 | U | 0.024 | 1.57 | 60 | 0.015 | 0.014 | 4.6 | 0.220 | 5.09 | 6.24 | 9.39 | 11.56 | 15.24 | 2.5 | 4.2 | 5.5 | 8.1 |
| D1.07 | 0.23 | 0.90 | 0.99 | 1.04 | 1.14 | 0.208 | 0.228 | 0.240 | 0.262 | 20 | 0.24 | 0.026 | 3.18 | 230 | U | 0.026 | 1.46 | 100 | 0.015 | 0.006 | 3.0 | 0.559 | 5.21 | 6.21 | 9.33 | 11.49 | 15.14 | 1.3 | 2.1 | 2.8 | 4.0 |
| D1.08 | 0.77 | 0.54 | 0.61 | 0.66 | 0.74 | 0.415 | 0.469 | 0.504 | 0.567 | 0 | 0.24 | 0.026 | 0.00 | 0 | U | 0.026 | 0.00 | 660 | 0.015 | 0.006 | 3.0 | 3.692 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.6 | 4.4 | 5.9 | 8.7 |
| D1.09 | 1.14 | 0.46 | 0.53 | 0.57 | 0.65 | 0.525 | 0.602 | 0.652 | 0.741 | 20 | 0.24 | 0.025 | 3.25 | 230 | U | 0.025 | 1.50 | 100 | 0.015 | 0.006 | 3.0 | 0.559 | 5.32 | 6.17 | 9.28 | 11.43 | 15.05 | 3.2 | 5.6 | 7.5 | 11.1 |
| D1.10 | 0.40 | 0.59 | 0.67 | 0.71 | 0.80 | 0.237 | 0.266 | 0.285 | 0.318 | 20 | 0.24 | 0.020 | 3.56 | 230 | U | 0.020 | 1.68 | 115 | 0.015 | 0.010 | 3.8 | 0.498 | 5.74 | 6.04 | 9.08 | 11.17 | 14.72 | 1.4 | 2.4 | 3.2 | 4.7 |
| D1.11 | 1.09 | 0.50 | 0.57 | 0.61 | 0.69 | 0.545 | 0.620 | 0.669 | 0.755 | 20 | 0.24 | 0.015 | 3.99 | 230 | U | 0.015 | 1.94 | 100 | 0.015 | 0.010 | 3.8 | 0.433 | 6.36 | 5.86 | 8.80 | 10.82 | 14.25 | 3.2 | 5.5 | 7.2 | 10.8 |
| D1.12 | 1.18 | 0.51 | 0.58 | 0.62 | 0.70 | 0.602 | 0.684 | 0.737 | 0.831 | 20 | 0.24 | 0.012 | 4.36 | 230 | U | 0.012 | 2.17 | 100 | 0.015 | 0.010 | 3.8 | 0.433 | 6.97 | 5.70 | 8.55 | 10.51 | 13.84 | 3.4 | 5.8 | 7.7 | 11.5 |
| D1.13 | 1.16 | 0.49 | 0.56 | 0.60 | 0.68 | 0.570 | 0.650 | 0.701 | 0.793 | 20 | 0.24 | 0.012 | 4.36 | 230 | U | 0.012 | 2.17 | 100 | 0.015 | 0.010 | 3.8 | 0.433 | 6.97 | 5.70 | 8.55 | 10.51 | 13.84 | 3.2 | 5.6 | 7.4 | 11.0 |
| D1.14 | 1.14 | 0.50 | 0.57 | 0.61 | 0.69 | 0.566 | 0.645 | 0.696 | 0.786 | 20 | 0.24 | 0.013 | 4.23 | 230 | U | 0.013 | 2.08 | 100 | 0.015 | 0.010 | 3.8 | 0.433 | 6.74 | 5.76 | 8.64 | 10.63 | 13.99 | 3.3 | 5.6 | 7.4 | 11.0 |
| D1.15 | 0.32 | 0.82 | 0.91 | 0.96 | 1.05 | 0.263 | 0.290 | 0.307 | 0.337 | 0 | 0.24 | 0.013 | 0.00 | 0 | U | 0.013 | 0.00 | 700 | 0.015 | 0.010 | 3.8 | 3.033 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.7 | 2.7 | 3.6 | 5.2 |
| D1.16A | 0.28 | 0.86 | 0.94 | 1.00 | 1.09 | 0.240 | 0.264 | 0.279 | 0.306 | 20 | 0.24 | 0.034 | 2.88 | 200 | U | 0.034 | 1.12 | 60 | 0.015 | 0.010 | 3.8 | 0.260 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.5 | 2.5 | 3.2 | 4.7 |
| D1.16B | 0.37 | 0.85 | 0.93 | 0.99 | 1.08 | 0.314 | 0.345 | 0.365 | 0.400 | 0 | 0.24 | 0.031 | 0.00 | 0 | U | 0.031 | 0.00 | 165 | 0.015 | 0.010 | 3.8 | 0.715 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.0 | 3.3 | 4.2 | 6.1 |
| D1.16 | 0.65 | 0.85 | 0.94 | 0.99 | 1.09 | 0.554 | 0.610 | 0.644 | 0.706 | - | - | - | - | - | U | - | - | - | - | - | - | - | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.5 | 5.8 | 7.5 | 10.8 |
| D1.17 | 0.67 | 0.52 | 0.59 | 0.64 | 0.72 | 0.349 | 0.396 | 0.427 | 0.480 | 0 | 0.24 | 0.034 | 0.00 | 0 | U | 0.034 | 0.00 | 600 | 0.015 | 0.005 | 2.7 | 3.676 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.2 | 3.7 | 5.0 | 7.4 |
| D2.00 | 0.50 | 0.57 | 0.65 | 0.69 | 0.78 | 0.287 | 0.323 | 0.346 | 0.388 | 45 | 0.24 | 0.020 | 6.81 | 100 | U | 0.020 | 0.73 | 100 | 0.015 | 0.020 | 5.4 | 0.306 | 7.84 | 5.48 | 8.21 | 10.10 | 13.29 | 1.6 | 2.7 | 3.5 | 5.1 |
| D2.01 | 0.37 | 0.54 | 0.62 | 0.66 | 0.74 | 0.202 | 0.228 | 0.245 | 0.275 | 45 | 0.24 | 0.020 | 6.81 | 100 | U | 0.020 | 0.73 | 45 | 0.015 | 0.020 | 5.4 | 0.138 | 7.67 | 5.52 | 8.27 | 10.17 | 13.39 | 1.1 | 1.9 | 2.5 | 3.7 |
| D2.02 | 0.50 | 0.53 | 0.60 | 0.65 | 0.73 | 0.267 | 0.302 | 0.325 | 0.365 | 0 | 0.24 | 0.012 | 0.00 | 0 | U | 0.012 | 0.00 | 420 | 0.015 | 0.020 | 5.4 | 1.287 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.7 | 2.8 | 3.8 | 5.6 |
| D2.03 | 1.03 | 0.47 | 0.54 | 0.58 | 0.66 | 0.486 | 0.556 | 0.601 | 0.681 | 40 | 0.24 | 0.020 | 6.19 | 150 | U | 0.020 | 1.10 | 40 | 0.015 | 0.020 | 5.4 | 0.123 | 7.41 | 5.59 | 8.37 | 10.30 | 13.55 | 2.7 | 4.7 | 6.2 | 9.2 |
| D2.04 | 0.86 | 0.54 | 0.61 | 0.65 | 0.73 | 0.461 | 0.522 | 0.561 | 0.631 | 85 | 0.24 | 0.020 | 11.32 | 250 | U | 0.020 | 1.83 | 70 | 0.015 | 0.012 | 4.2 | 0.277 | 13.42 | 4.45 | 6.64 | 8.16 | 10.74 | 2.1 | 3.5 | 4.6 | 6.8 |
| D2.05 | 1.06 | 0.55 | 0.62 | 0.67 | 0.75 | 0.584 | 0.660 | 0.708 | 0.795 | 50 | 0.24 | 0.020 | 7.41 | 250 | U | 0.020 | 1.83 | 155 | 0.015 | 0.012 | 4.2 | 0.613 | 9.84 | 5.05 | 7.55 | 9.28 | 12.21 | 3.0 | 5.0 | 6.6 | 9.7 |
| D2.06 | 1.23 | 0.55 | 0.62 | 0.67 | 0.75 | 0.676 | 0.764 | 0.820 | 0.920 | 70 | 0.24 | 0.020 | 9.69 | 250 | U | 0.020 | 1.83 | 160 | 0.015 | 0.012 | 4.2 | 0.633 | 12.15 | 4.65 | 6.93 | 8.52 | 11.21 | 3.1 | 5.3 | 7.0 | 10.3 |
| D2.07 | 1.54 | 0.50 | 0.57 | 0.62 | 0.69 | 0.772 | 0.879 | 0.948 | 1.070 | 50 | 0.24 | 0.020 | 7.41 | 275 | U | 0.020 | 2.01 | 300 | 0.015 | 0.012 | 4.2 | 1.187 | 10.60 | 4.91 | 7.33 | 9.01 | 11.86 | 3.8 | 6.4 | 8.5 | 12.7 |
| D2.08A | 1.31 | 0.50 | 0.57 | 0.62 | 0.70 | 0.662 | 0.753 | 0.811 | 0.916 | 50 | 0.24 | 0.020 | 7.41 | 250 | U | 0.020 | 1.83 | 250 | 0.015 | 0.012 | 4.2 | 0.989 | 10.22 | 4.98 | 7.44 | 9.15 | 12.03 | 3.3 | 5.6 | 7.4 | 11.0 |
| D2.08B | 0.62 | 0.51 | 0.58 | 0.62 | 0.70 | 0.315 | 0.358 | 0.386 | 0.435 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.020 | 0.00 | 270 | 0.015 | 0.012 | 4.2 | 1.068 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.0 | 3.4 | 4.5 | 6.7 |
| D2.08 | 1.93 | 0.51 | 0.58 | 0.62 | 0.70 | 0.977 | 1.111 | 1.197 | 1.351 | - | - | - | - | - | U | - | - | - | - | - | - | - | 10.22 | 4.98 | 7.44 | 9.15 | 12.03 | 4.9 | 8.3 | 11.0 | 16.3 |
| D3.01 | 0.19 | 0.64 | 0.72 | 0.76 | 0.85 | 0.122 | 0.136 | 0.145 | 0.161 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.020 | 0.00 | 315 | 0.015 | 0.020 | 5.4 | 0.965 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.8 | 1.3 | 1.7 | 2.5 |
| D3.02 | 0.19 | 0.64 | 0.72 | 0.76 | 0.85 | 0.122 | 0.136 | 0.145 | 0.161 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.015 | 0.00 | 315 | 0.015 | 0.020 | 5.4 | 0.965 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.8 | 1.3 | 1.7 | 2.5 |
| D3.03 | 0.19 | 0.61 | 0.69 | 0.74 | 0.82 | 0.117 | 0.131 | 0.140 | 0.156 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.015 | 0.00 | 275 | 0.015 | 0.020 | 5.4 | 0.842 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.7 | 1.2 | 1.6 | 2.4 |
| D3.04 | 0.19 | 0.61 | 0.69 | 0.74 | 0.82 | 0.117 | 0.131 | 0.140 | 0.156 | 0 | 0.24 | 0.015 | 0.00 | 0 | U | 0.015 | 0.00 | 275 | 0.015 | 0.020 | 5.4 | 0.842 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.7 | 1.2 | 1.6 | 2.4 |
| D4.01 | 0.74 | 0.59 | 0.67 | 0.71 | 0.80 | 0.439 | 0.494 | 0.528 | 0.590 | 20 | 0.24 | 0.015 | 3.99 | 235 | U | 0.015 | 1.98 | 0 | 0.015 | 0.005 | 2.7 | 0.000 | 5.97 | 5.97 | 8.97 | 11.04 | 14.54 | 2.6 | 4.4 | 5.8 | 8.6 |
| D4.02 | 0.40 | 0.59 | 0.66 | 0.71 | 0.79 | 0.236 | 0.265 | 0.284 | 0.317 | 20 | 0.24 | 0.020 | 3.56 | 50 | U | 0.020 | 0.37 | 100 | 0.015 | 0.005 | 2.7 | 0.613 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.5 | 2.5 | 3.3 | 4.9 |
| D4.03 | 1.00 | 0.55 | 0.62 | 0.66 | 0.75 | 0.547 | 0.618 | 0.664 | 0.745 | 20 | 0.24 | 0.015 | 3.99 | 160 | U | 0.015 | 1.35 | 130 | 0.015 | 0.005 | 2.7 | 0.797 | 6.14 | 5.93 | 8.89 | 10.95 | 14.42 | 3.2 | 5.5 | 7.3 | 10.7 |
| D4.04 | 0.84 | 0.51 | 0.58 | 0.62 | 0.70 | 0.428 | 0.487 | 0.525 | 0.592 | 20 | 0.24 | 0.015 | 3.99 | 180 | U | 0.015 | 1.52 | 130 | 0.015 | 0.005 | 2.7 | 0.797 | 6.31 | 5.88 | 8.82 | 10.86 | 14.29 | 2.5 | 4.3 | 5.7 | 8.5 |
| D4.05 | 0.84 | 0.51 | 0.58 | 0.62 | 0.70 | 0.426 | 0.485 | 0.522 | 0.589 | 0 | 0.24 | 0.015 | 0.00 | 180 | U | 0.015 | 1.52 | 130 | 0.015 | 0.005 | 2.7 | 0.797 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.7 | 4.6 | 6.1 | 9.0 |
| D4.06 | 0.84 | 0.51 | 0.58 | 0.62 | 0.70 | 0.426 | 0.485 | 0.522 | 0.589 | 20 | 0.24 | 0.022 | 3.42 | 210 | U | 0.022 | 1.46 | 40 | 0.015 | 0.005 | 2.7 | 0.245 | 5.13 | 6.23 | 9.37 | 11.54 | 15.21 | 2.7 | 4.5 | 6.0 | 9.0 |
| D4.07 | 0.76 | 0.48 | 0.55 | 0.59 | 0.67 | 0.365 | 0.417 | 0.451 | 0.510 | 20 | 0.24 | 0.027 | 3.16 | 300 | U | 0.027 | 1.89 | 40 | 0.015 | 0.005 | 2.7 | 0.245 | 5.29 | 6.18 | 9.29 | 11.44 | 15.08 | 2.3 | 3.9 | 5.2 | 7.7 |
| D4.08 | 0.86 | 0.48 | 0.54 | 0.59 | 0.67 | 0.410 | 0.468 | 0.506 | 0.574 | 20 | 0.24 | 0.030 | 3.03 | 295 | U | 0.030 | 1.76 | 90 | 0.015 | 0.005 | 2.7 | 0.551 | 5.34 | 6.16 | 9.27 | 11.41 | 15.04 | 2.5 | 4.3 | 5.8 | 8.6 |
| D4.09 | 0.76 | 0.50 | 0.57 | 0.62 | 0.69 | 0.381 | 0.433 | 0.467 | 0.528 | 30 | 0.24 | 0.020 | 4.92 | 300 | U | 0.020 | 2.19 | 0 | 0.015 | 0.005 | 2.7 | 0.000 | 7.11 | 5.66 | 8.49 | 10.44 | 13.74 | 2.2 | 3.7 | 4.9 | 7.3 |
| D4.10 | 0.96 | 0.50 | 0.57 | 0.62 | 0.70 | 0.483 | 0.550 | 0.593 | 0.669 | 30 | 0.24 | 0.037 | 3.85 | 300 | U | 0.037 | 1.61 | 105 | 0.015 | 0.005 | 2.7 | 0.643 | 6.10 | 5.94 | 8.91 | 10.97 | 14.44 | 2.9 | 4.9 | 6.5 | 9.7 |
| D4.11 | 0.62 | 0.46 | 0.52 | 0.57 | 0.64 | 0.282 | 0.324 | 0.351 | 0.399 | 25 | 0.24 | 0.043 | 3.13 | 250 | U | 0.043 | 1.25 | 75 | 0.015 | 0.005 | 2.7 | 0.460 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.8 | 3.1 | 4.1 | 6.1 |
| D4.12 | 0.38 | 0.45 | 0.52 | 0.56 | 0.64 | 0.171 | 0.196 | 0.213 | 0.242 | 0 | 0.24 | 0.043 | 0.00 | 0 | U | 0.043 | 0.00 | 450 | 0.015 | 0.005 | 2.7 | 2.757 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.1 | 1.8 | 2.5 | 3.7 |
| D4.13 | 0.82 | 0.54 | 0.61 | 0.66 | 0.74 | 0.443 | 0.501 | 0.538 | 0.605 | 25 | 0.24 | 0.039 | 3.26 | 225 | U | 0.039 | 1.18 | 120 | 0.015 | 0.005 | 2.7 | 0.735 | 5.17 | 6.22 | 9.35 | 11.52 | 15.18 | 2.8 | 4.7 | 6.2 | 9.2 |
| D4.14 | 0.85 | 0.53 | 0.60 | 0.65 | 0.73 | 0.451 | 0.511 | 0.550 | 0.619 | 25 | 0.24 | 0.036 | 3.36 | 225 | U | 0.036 | 1.22 | 110 | 0.015 | 0.005 | 2.7 | 0.674 | 5.26 | 6.19 | 9.30 | 11.46 | 15.10 | 2.8 | 4.8 | 6.3 | 9.3 |
| D4.15 | 0.78 | 0.55 | 0.62 | 0.67 | 0.75 | 0.431 | 0.487 | 0.523 | 0.586 | 25 | 0.24 | 0.035 | 3.40 | 225 | U | 0.035 | 1.24 | 110 | 0.015 | 0.005 | 2.7 | 0.674 | 5.32 | 6.17 | 9.28 | 11.43 | 15.05 | 2.7 | 4.5 | 6.0 | 8.8 |
| D4.16 | 0.26 | 0.70 | 0.78 | 0.83 | 0.92 | 0.182 | 0.203 | 0.215 | 0.238 | 0 | 0.24 | 0.005 | 0.00 | 0 | U | 0.005 | 0.00 | 430 | 0.015 | 0.005 | 2.7 | 2.635 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.1 | 1.9 | 2.5 | 3.6 |
| D4.17 | 0.90 | 0.52 | 0.59 | 0.63 | 0.71 | 0.466 | 0.529 | 0.570 | 0.642 | 25 | 0.24 | 0.028 | 3.72 | 225 | U | 0.028 | 1.39 | 110 | 0.015 | 0.005 | 2.7 | 0.674 | 5.78 | 6.03 | 9.06 | 11.15 | 14.68 | 2.8 | 4.8 | 6.3 | 9.4 |
| D4.18 | 0.55 | 0.48 | 0.54 | 0.59 | 0.67 | 0.262 | 0.299 | 0.324 | 0.367 | 50 | 0.24 | 0.022 | 7.10 | 300 | U | 0.022 | 2.09 | 75 | 0.015 | 0.018 | 5.2 | 0.242 | 9.43 | 5.14 | 7.68 | 9.44 | 12.41 | 1.3 | 2.3 | 3.1 | 4.6 |
| D4.19 | 1.07 | 0.46 | 0.53 | 0.57 | 0.65 | 0.492 | 0.564 | 0.611 | 0.694 | 25 | 0.24 | 0.021 | 4.17 | 275 | U | 0.021 | 1.96 | 0 | 0.015 | 0.014 | 4.6 | 0.000 | 6.13 | 5.93 | 8.90 | 10.95 | 14.42 | 2.9 | 5.0 | 6.7 | 10.0 |
| D4.20 | 0.78 | 0.42 | 0.49 | 0.53 | 0.61 | 0.328 | 0.379 | 0.413 | 0.472 | 0 | 0.24 | 0.021 | 0.00 | 0 | U | 0.028 | 0.00 | 500 | 0.015 | 0.020 | 5.4 | 1.532 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.1 | 3.6 | 4.8 | 7.2 |
| D4.21 | 0.87 | 0.47 | 0.54 | 0.59 | 0.66 | 0.413 | 0.472 | 0.510 | 0.578 | 15 | 0.24 | 0.026 | 2.54 | 275 | U | 0.026 | 1.76 | 15 | 0.015 | 0.020 | 5.4 | 0.046 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.6 | 4.5 | 5.9 | 8.9 |
| D4.22A | 0.78 | 0.38 | 0.45 | 0.49 | 0.57 | 0.300 | 0.350 | 0.383 | 0.441 | 15 | 0.24 | 0.026 | 2.54 | 300 | U | 0.026 | 1.92 | 50 | 0.015 | 0.015 | 4.7 | 0.177 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.9 | 3.3 | 4.5 | 6.8 |
| D4.22B | 0.47 | 0.64 | 0.71 | 0.76 | 0.84 | 0.299 | 0.334 | 0.357 | 0.397 | 0 | 0.24 | 0.031 | 0.00 | 0 | U | 0.031 | 0.00 | 745 | 0.015 | 0.015 | 4.7 | 2.635 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.9 | 3.2 | 4.1 | 6.1 |
| D4.22 | 1.25 | 0.48 | 0.55 | 0.59 | 0.67 | 0.599 | 0.684 | 0.740 | 0.838 | - | - | - | - | - | U | - | - | - | - | - | - | - | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.8 | 6.5 | 8.6 | 12.8 |
| D5.01 | 0.08 | 0.61 | 0.68 | 0.73 | 0.81 | 0.048 | 0.054 | 0.058 | 0.065 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.020 | 0.00 | 115 | 0.015 | 0.010 | 3.8 | 0.498 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.3 | 0.5 | 0.7 | 1.0 |
| D5.02 | 0.65 | 0.53 | 0.60 | 0.64 | 0.72 | 0.343 | 0.389 | 0.419 | 0.471 | 20 | 0.24 | 0.020 | 3.56 | 100 | U | 0.020 | 0.73 | 265 | 0.015 | 0.010 | 3.8 | 1.148 | 5.44 | 6.13 | 9.22 | 11.35 | 14.96 | 2.1 | 3.6 | 4.8 | 7.0 |
| D5.03 | 0.57 | 0.54 | 0.62 | 0.66 | 0.74 | 0.310 | 0.351 | 0.377 | 0.423 | 15 | 0.24 | 0.020 | 2.83 | 190 | U | 0.020 | 1.39 | 75 | 0.015 | 0.010 | 3.8 | 0.325 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.9 | 3.3 | 4.4 | 6.5 |
| D5.04 | 0.18 | 0.66 | 0.73 | 0.78 | 0.87 | 0.118 | 0.132 | 0.140 | 0.156 | 0 | 0.24 | 0.020 | 0.00 | 0 | U | 0.020 | 0.00 | 300 | 0.015 | 0.010 | 3.8 | 1.300 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 0.7 | 1.2 | 1.6 | 2.4 |
| D5.05 | 1.03 | 0.45 | 0.51 | 0.56 | 0.63 | 0.461 | 0.530 | 0.575 | 0.654 | 30 | 0.24 | 0.015 | 5.52 | 200 | U | 0.020 | 1.46 | 160 | 0.015 | 0.010 | 3.8 | 0.693 | 7.68 | 5.52 | 8.27 | 10.17 | 13.39 | 2.5 | 4.4 | 5.8 | 8.8 |
| D5.06 | 0.46 | 0.55 | 0.62 | 0.67 | 0.75 | 0.253 | 0.286 | 0.307 | 0.344 | 25 | 0.24 | 0.015 | 4.77 | 125 | U | 0.020 | 0.91 | 160 | 0.015 | 0.010 | 3.8 | 0.693 | 6.38 | 5.86 | 8.79 | 10.82 | 14.24 | 1.5 | 2.5 | 3.3 | 4.9 |
| E1.01 | 1.23 | 0.51 | 0.58 | 0.63 | 0.71 | 0.631 | 0.716 | 0.772 | 0.870 | 15 | 0.24 | 0.035 | 2.26 | 240 | U | 0.035 | 1.33 | 30 | 0.015 | 0.005 | 2.7 | 0.184 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 4.0 | 6.8 | 9.0 | 13.3 |
| E1.02 | 0.60 | 0.45 | 0.51 | 0.56 | 0.63 | 0.267 | 0.307 | 0.333 | 0.379 | 15 | 0.24 | 0.035 | 2.26 | 240 | U | 0.035 | 1.33 | 30 | 0.015 | 0.005 | 2.7 | 0.184 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.7 | 2.9 | 3.9 | 5.8 |
| E1.03 | 0.46 | 0.68 | 0.76 | 0.81 | 0.89 | 0.313 | 0.349 | 0.371 | 0.411 | 0 | 0.24 | 0.035 | 0.00 | 0 | U | 0.035 | 0.00 | 500 | 0.015 | 0.005 | 2.7 | 3.064 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.0 | 3.3 | 4.3 | 6.3 |
| E1.04 | 0.62 | 0.46 | 0.53 | 0.58 | 0.65 | 0.288 | 0.330 | 0.357 | 0.405 | 15 | 0.24 | 0.035 | 2.26 | 240 | U | 0.035 | 1.33 | 30 | 0.015 | 0.005 | 2.7 | 0.184 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.8 | 3.1 | 4.1 | 6.2 |
| E1.05 | 0.60 | 0.48 | 0.55 | 0.59 | 0.67 | 0.288 | 0.329 | 0.356 | 0.403 | 15 | 0.24 | 0.035 | 2.26 | 240 | U | 0.035 | 1.33 | 30 | 0.015 | 0.005 | 2.7 | 0.184 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.8 | 3.1 | 4.1 | 6.2 |
| E1.06 | 1.01 | 0.48 | 0.55 | 0.59 | 0.67 | 0.485 | 0.554 | 0.599 | 0.678 | 15 | 0.24 | 0.035 | 2.26 | 240 | U | 0.035 | 1.33 | 30 | 0.015 | 0.005 | 2.7 | 0.184 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 3.0 | 5.2 | 7.0 | 10.4 |
| E1.07 | 0.61 | 0.46 | 0.53 | 0.57 | 0.65 | 0.280 | 0.321 | 0.348 | 0.395 | 15 | 0.24 | 0.035 | 2.26 | 240 | U | 0.035 | 1.33 | 30 | 0.015 | 0.005 | 2.7 | 0.184 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 1.8 | 3.0 | 4.0 | 6.1 |
| E1.08 | 0.55 | 0.67 | 0.75 | 0.80 | 0.88 | 0.370 | 0.412 | 0.439 | 0.487 | 0 | 0.24 | 0.035 | 0.00 | 0 | U | 0.035 | 0.00 | 500 | 0.015 | 0.005 | 2.7 | 3.064 | 5.00 | 6.27 | 9.43 | 11.62 | 15.32 | 2.3 | 3.9 | 5.1 | 7.5 |

## NOTES

1. PROPOSED GRADING AND UTILITY IMPROVEMENTS ARE APPROXIMATE AND SUBJECT TO CHANGE WITH THE SITE DEVELOPMENT, CONSTRUCTION PLANS, AND FINAL DESIGN.
2. DRAINAGE CALCULATIONS UTILIZE THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ATLAS 14 RAINFALL DATA PER THE CITY OF AUSTIN ENGINEERING DESIGN MANUAL.

| NO. | REVISION | DATE |
|---|---|---|

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025

PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800

# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
CITY OF PFLUGERVILLE ETJ, TEXAS

## DRAINAGE CALCS

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER RBB
CHECKED AC DRAWN RBB



Date: Aug 15, 2025, 11:59am User ID: andrew.cagle
File: H:\Projects\514\43\00\212 Preliminary\Civil\OD51443-00.dwg

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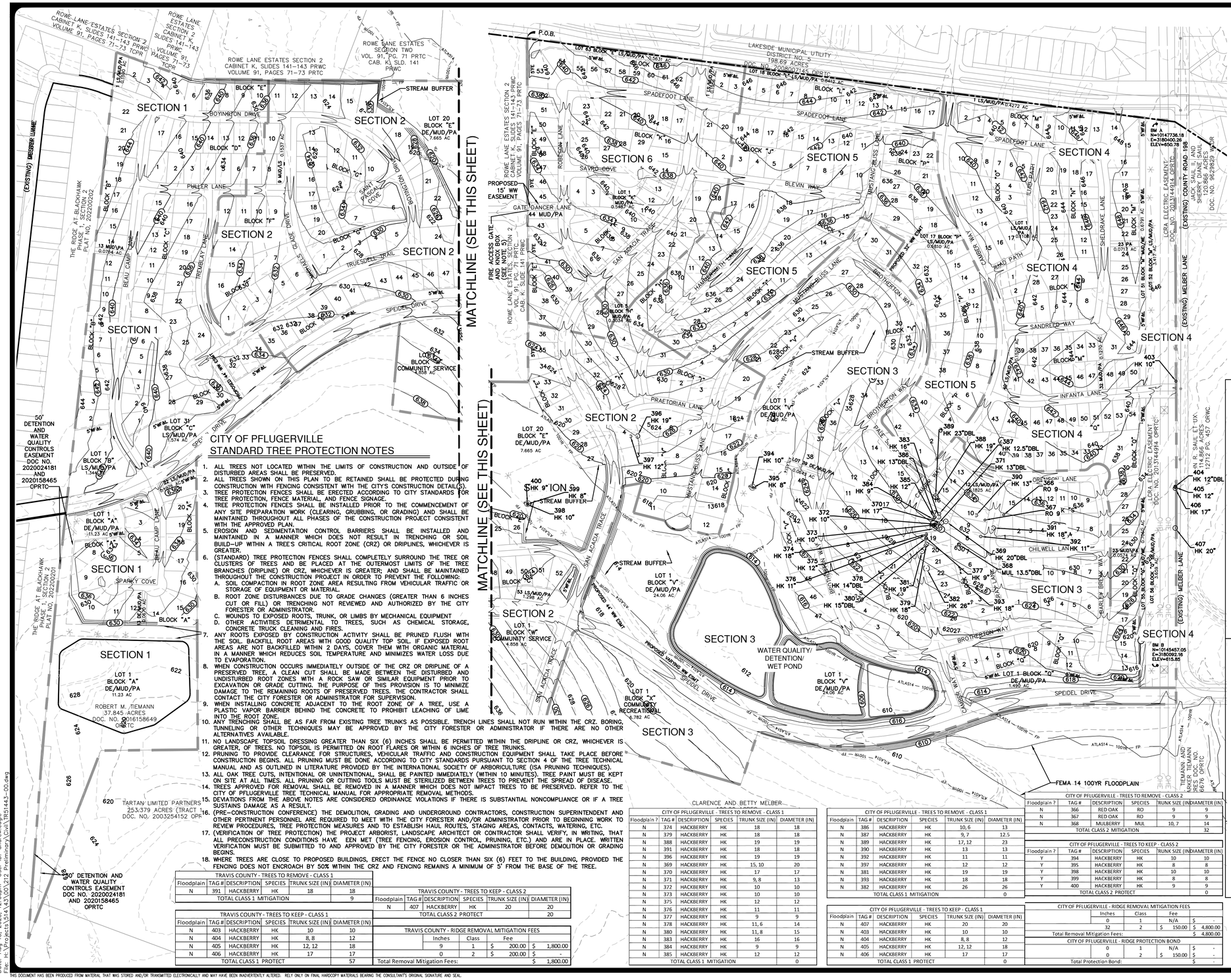
PP2024-000105




## LEGEND

- PROPERTY BOUNDARY
- SECTION BOUNDARY
- TP — PROTECTIVE TREE FENCE

TREES TO BE REMOVED

TREES TO BE PROTECTED

## NOTES

1. TREES TO BE REMOVED AND PROTECTED ARE TO BE FINALIZED WITH THE SITE PLAN AND CONSTRUCTION PLANS.
2. TREES DETERMINED TO BE PROTECTED SHALL HAVE TREE PROTECTION MEASURES PER THE CITY OF PFLUGERVILLE CONSTRUCTION STANDARDS AND DETAILS.
3. ALL TREES WITHIN THE 100-YR FLOODPLAIN ARE TO BE CONSIDERED PROTECTED REGARDLESS OF SPECIES.
4. TREE SURVEY PERFORMED JULY 2024.
5. ACCESS TO GATE DANCER LANE WEST OF THE RIDGE AT BLACKHAWK PHASE 2 PROPERTY SHALL BE RESTRICTED TO FIRE AND EMERGENCY VEHICLES ONLY. A FIRE ACCESS GATE AND KNOX BOX SHALL BE INSTALLED DURING CONSTRUCTION OF GATE DANCER LANE TO PROHIBIT DAILY TRAFFIC WEST OF THE PROPERTY.

## CITY OF PFLUGERVILLE STANDARD TREE PROTECTION NOTES

1. ALL TREES NOT LOCATED WITHIN THE LIMITS OF CONSTRUCTION AND OUTSIDE OF DISTURBED AREAS SHALL BE PRESERVED.
2. ALL TREES SHOWN ON THIS PLAN TO BE RETAINED SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING CONSISTENT WITH THE CITY'S CONSTRUCTION DETAIL(S).
3. TREE PROTECTION FENCES SHALL BE ERECTED ACCORDING TO CITY STANDARDS FOR TREE PROTECTION, FENCE MATERIAL, AND FENCE SIGNAGE.
4. TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT CONSISTENT WITH THE APPROVED PLAN.
5. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED AND MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN TRENCHING OR SOIL BUILD-UP WITHIN A TREE'S CRITICAL ROOT ZONE (CRZ) OR DRIPLINES, WHICHEVER IS GREATER.
6. (STANDARD) TREE PROTECTION FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES AND BE PLACED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIPLINE) OR CRZ, WHICHEVER IS GREATER; AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
   A. SOIL COMPACTION IN ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIAL.
   B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL) OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY FORESTER OR ADMINISTRATOR.
   C. WOUNDS TO EXPOSED ROOTS, TRUNK, OR LIMBS BY MECHANICAL EQUIPMENT
   D. OTHER ACTIVITIES DETRIMENTAL TO TREES, SUCH AS CHEMICAL STORAGE, CONCRETE TRUCK CLEANING AND FIRES.
7. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
8. WHEN CONSTRUCTION OCCURS IMMEDIATELY OUTSIDE OF THE CRZ OR DRIPLINE OF A PRESERVED TREE, A CLEAN CUT SHALL BE MADE BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT PRIOR TO EXCAVATION OR GRADE CUTTING. THE PURPOSE OF THIS PROVISION IS TO MINIMIZE DAMAGE TO THE REMAINING ROOTS OF PRESERVED TREES. THE CONTRACTOR SHALL CONTACT THE CITY FORESTER OR ADMINISTRATOR FOR SUPERVISION.
9. WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE ROOT ZONE.
10. ANY TRENCHING SHALL BE AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE. TRENCH LINES SHALL NOT RUN WITHIN THE CRZ. BORING, TUNNELING OR OTHER TECHNIQUES MAY BE APPROVED BY THE CITY FORESTER OR ADMINISTRATOR IF THERE ARE NO OTHER ALTERNATIVES AVAILABLE.
11. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN SIX (6) INCHES SHALL BE PERMITTED WITHIN THE DRIPLINE OR CRZ, WHICHEVER IS GREATER, OF TREES. NO TOPSOIL IS PERMITTED ON ROOT FLARES OR WITHIN 6 INCHES OF TREE TRUNKS.
12. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS. ALL PRUNING MUST BE DONE ACCORDING TO CITY STANDARDS PURSUANT TO SECTION 4 OF THE TREE TECHNICAL MANUAL AND AS OUTLINED IN LITERATURE PROVIDED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE ((ISA PRUNING TECHNIQUES).
13. ALL OAK TREE CUTS, INTENTIONAL OR UNINTENTIONAL, SHALL BE PAINTED IMMEDIATELY (WITHIN 10 MINUTES). TREE PAINT MUST BE KEPT ON SITE AT ALL TIMES. ALL PRUNING OR CUTTING TOOLS MUST BE STERILIZED BETWEEN TREES TO PREVENT THE SPREAD OF DISEASE.
14. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED. REFER TO THE CITY OF PFLUGERVILLE TREE TECHNICAL MANUAL FOR APPROPRIATE REMOVAL METHODS.
15. DEVIATIONS FROM THE ABOVE NOTES ARE CONSIDERED ORDINANCE VIOLATIONS IF THERE IS SUBSTANTIAL NONCOMPLIANCE OR IF A TREE SUSTAINS DAMAGE AS A RESULT.
16. (PRE-CONSTRUCTION CONFERENCE) THE DEMOLITION, GRADING AND UNDERGROUND CONTRACTORS, CONSTRUCTION SUPERINTENDENT AND OTHER PERTINENT PERSONNEL ARE REQUIRED TO MEET WITH THE CITY FORESTER AND/OR ADMINISTRATOR PRIOR TO BEGINNING WORK TO REVIEW PROCEDURES, TREE PROTECTION MEASURES AND TO ESTABLISH HAUL ROUTES, STAGING AREAS, CONTACTS, WATERING, ETC.
17. (VERIFICATION OF TREE PROTECTION) THE PROJECT ARBORIST, LANDSCAPE ARCHITECT OR CONTRACTOR SHALL VERIFY, IN WRITING, THAT ALL PRECONSTRUCTION CONDITIONS HAVE EEN MET (TREE FENCING, EROSION CONTROL, PRUNING, ETC.) AND ARE IN PLACE. WRITTEN VERIFICATION MUST BE SUBMITTED TO AND APPROVED BY THE CITY FORESTER OR THE ADMINISTRATOR BEFORE DEMOLITION OR GRADING BEGINS.
18. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN SIX (6) FEET TO THE BUILDING, PROVIDED THE FENCING DOES NOT ENCROACH BY 50% WITHIN THE CRZ AND FENCING REMAINS A MINIMUM OF 5' FROM THE BASE OF THE TREE.

TRAVIS COUNTY - TREES TO REMOVE - CLASS 1

| Floodplain | TAG # | DESCRIPTION | SPECIES | TRUNK SIZE (IN) | DIAMETER (IN) |
|---|---|---|---|---|---|
| N | 391 | HACKBERRY | HK | 18 | 18 |
| TOTAL CLASS 1 MITIGATION | | | | | 9 |

TRAVIS COUNTY - TREES TO KEEP - CLASS 1

| Floodplain | TAG # | DESCRIPTION | SPECIES | TRUNK SIZE (IN) | DIAMETER (IN) |
|---|---|---|---|---|---|
| N | 403 | HACKBERRY | HK | 10 | 10 |
| N | 404 | HACKBERRY | HK | 8, 8 | 12 |
| N | 405 | HACKBERRY | HK | 12, 12 | 18 |
| N | 406 | HACKBERRY | HK | 17 | 17 |
| TOTAL CLASS 1 PROTECT | | | | | 57 |

TRAVIS COUNTY - TREES TO KEEP - CLASS 2

| Floodplain | TAG # | DESCRIPTION | SPECIES | TRUNK SIZE (IN) | DIAMETER (IN) |
|---|---|---|---|---|---|
| N | 407 | HACKBERRY | HK | 20 | 20 |
| TOTAL CLASS 2 PROTECT | | | | | 20 |

TRAVIS COUNTY - RIDGE REMOVAL MITIGATION FEES

| Inches | Class | Fee | |
|---|---|---|---|
| 9 | 1 | $ 200.00 | $ 1,800.00 |
| 0 | 2 | $ 200.00 | $ - |
| Total Removal Mitigation Fees: | | | $ 1,800.00 |

CITY OF PFLUGERVILLE - TREES TO REMOVE - CLASS 1

| Floodplain ? | TAG # | DESCRIPTION | SPECIES | TRUNK SIZE (IN) | DIAMETER (IN) |
|---|---|---|---|---|---|
| N | 374 | HACKBERRY | HK | 18 | 18 |
| N | 379 | HACKBERRY | HK | 18 | 18 |
| N | 388 | HACKBERRY | HK | 19 | 19 |
| N | 391 | HACKBERRY | HK | 18 | 18 |
| N | 396 | HACKBERRY | HK | 19 | 19 |
| N | 369 | HACKBERRY | HK | 15, 10 | 20 |
| N | 370 | HACKBERRY | HK | 17 | 17 |
| N | 371 | HACKBERRY | HK | 9, 8 | 13 |
| N | 372 | HACKBERRY | HK | 10 | 10 |
| N | 373 | HACKBERRY | HK | 10 | 10 |
| N | 375 | HACKBERRY | HK | 12 | 12 |
| N | 376 | HACKBERRY | HK | 11 | 11 |
| N | 377 | HACKBERRY | HK | 9 | 9 |
| N | 378 | HACKBERRY | HK | 11, 6 | 14 |
| N | 380 | HACKBERRY | HK | 11, 8 | 15 |
| N | 383 | HACKBERRY | HK | 16 | 16 |
| N | 384 | HACKBERRY | HK | 9 | 9 |
| N | 385 | HACKBERRY | HK | 12 | 12 |
| TOTAL CLASS 1 MITIGATION | | | | | 0 |

CITY OF PFLUGERVILLE - TREES TO REMOVE - CLASS 1

| Floodplain | TAG # | DESCRIPTION | SPECIES | TRUNK SIZE (IN) | DIAMETER (IN) |
|---|---|---|---|---|---|
| N | 386 | HACKBERRY | HK | 10, 6 | 13 |
| N | 387 | HACKBERRY | HK | 9, 7 | 12.5 |
| N | 389 | HACKBERRY | HK | 17, 12 | 23 |
| N | 390 | HACKBERRY | HK | 13 | 13 |
| N | 392 | HACKBERRY | HK | 11 | 11 |
| N | 397 | HACKBERRY | HK | 12 | 12 |
| N | 381 | HACKBERRY | HK | 19 | 19 |
| N | 393 | HACKBERRY | HK | 18 | 18 |
| N | 382 | HACKBERRY | HK | 26 | 26 |
| TOTAL CLASS 1 MITIGATION | | | | | 0 |

CITY OF PFLUGERVILLE - TREES TO KEEP - CLASS 1

| Floodplain | TAG # | DESCRIPTION | SPECIES | TRUNK SIZE (IN) | DIAMETER (IN) |
|---|---|---|---|---|---|
| N | 407 | HACKBERRY | HK | 20 | 20 |
| N | 403 | HACKBERRY | HK | 10 | 10 |
| N | 404 | HACKBERRY | HK | 8, 8 | 12 |
| N | 405 | HACKBERRY | HK | 12, 12 | 18 |
| N | 406 | HACKBERRY | HK | 17 | 17 |
| TOTAL CLASS 1 PROTECT | | | | | 0 |

CITY OF PFLUGERVILLE - TREES TO REMOVE - CLASS 2

| Floodplain ? | TAG # | DESCRIPTION | SPECIES | TRUNK SIZE (IN) | DIAMETER (IN) |
|---|---|---|---|---|---|
| N | 366 | RED OAK | RO | 9 | 9 |
| N | 367 | RED OAK | RO | 9 | 9 |
| N | 368 | MULBERRY | MUL | 10, 7 | 14 |
| TOTAL CLASS 2 MITIGATION | | | | | 32 |

CITY OF PFLUGERVILLE - TREES TO KEEP - CLASS 2

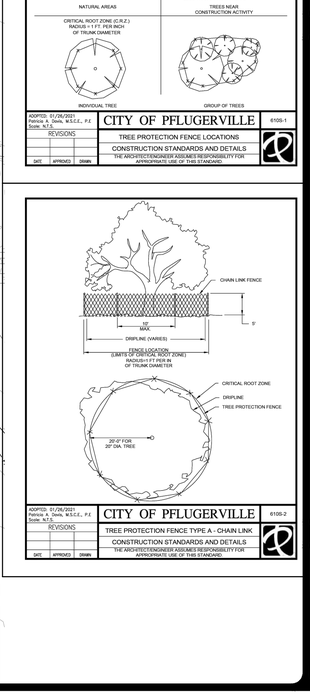
| Floodplain ? | TAG # | DESCRIPTION | SPECIES | TRUNK SIZE (IN) | DIAMETER (IN) |
|---|---|---|---|---|---|
| Y | 394 | HACKBERRY | HK | 10 | 10 |
| Y | 395 | HACKBERRY | HK | 8 | 8 |
| Y | 398 | HACKBERRY | HK | 10 | 10 |
| Y | 399 | HACKBERRY | HK | 8 | 8 |
| Y | 400 | HACKBERRY | HK | 9 | 9 |
| TOTAL CLASS 2 PROTECT | | | | | 0 |

CITY OF PFLUGERVILLE - RIDGE REMOVAL MITIGATION FEES

| Inches | Class | Fee | |
|---|---|---|---|
| 0 | 1 | N/A | $ - |
| 32 | 2 | $ 150.00 | $ 4,800.00 |
| Total Removal Mitigation Fees: | | | $ 4,800.00 |

CITY OF PFLUGERVILLE - RIDGE PROTECTION BOND

| | | | | |
|---|---|---|---|---|
| | 0 | 1 | N/A | $ - |
| | 0 | 2 | $ 150.00 | $ - |
| Total Protection Bond: | | | | $ - |







NO. REVISION DATE

STATE OF TEXAS
DUSTIN J. GOSS
91805
LICENSED PROFESSIONAL ENGINEER
08/18/2025

PAPE-DAWSON
10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800

# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
## CITY OF PFLUGERVILLE ETJ, TEXAS
## TREE SURVEY

CITY NO. PP2024-000105
JOB NO. 51443-00
DATE AUGUST 2025
DESIGNER NJD
CHECKED AC DRAWN NJD
SHEET 30 of 31

Date: Aug 15, 2025, 12:00pm User ID: andrew.coyle
File: H:\Projects\51443\00\21-Preliminary\Civil\TR51443--00.dwg

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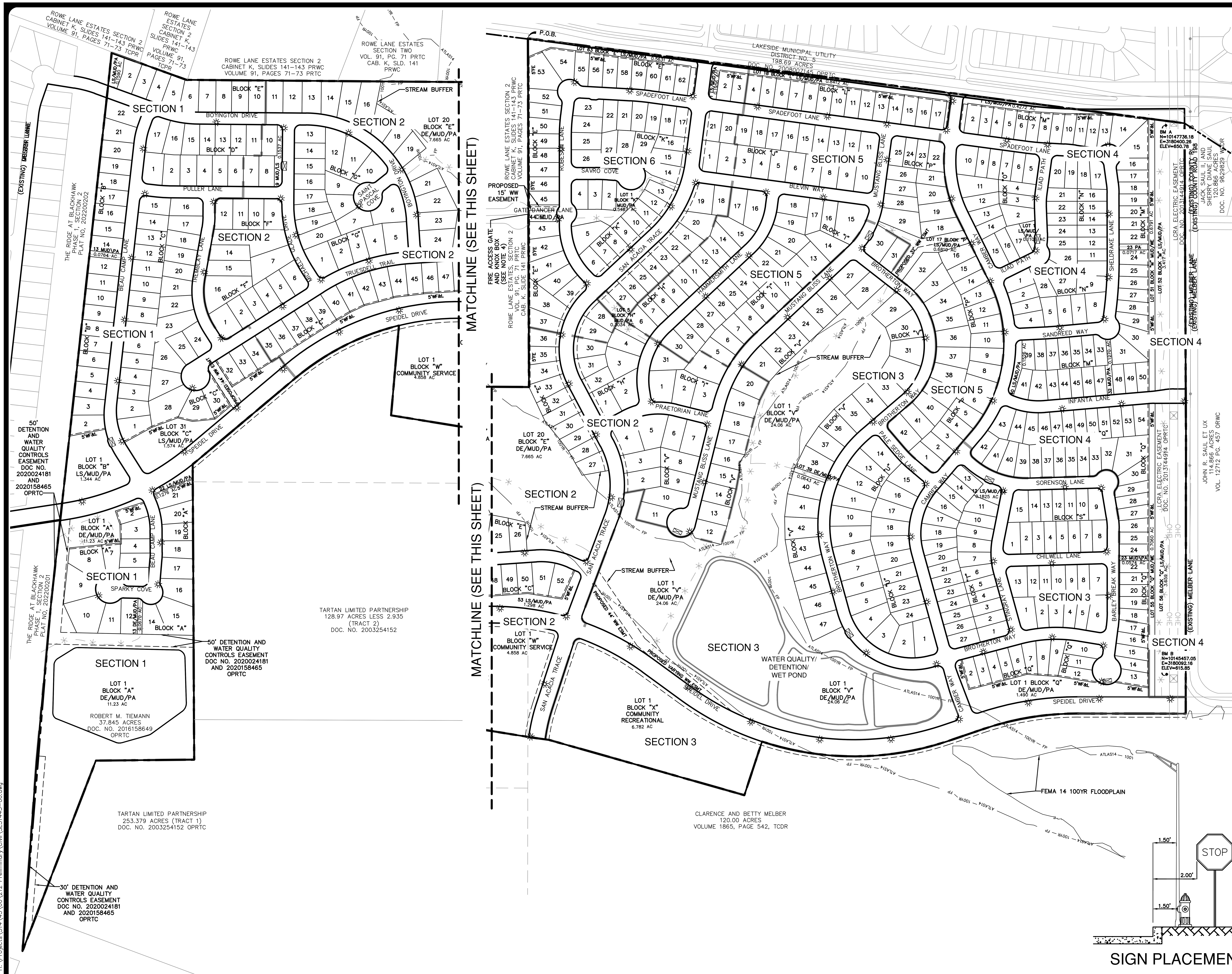
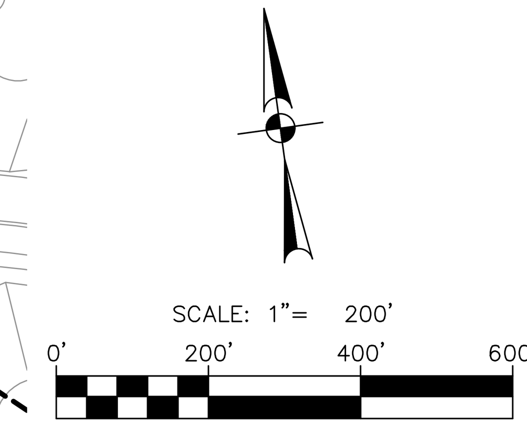
PP2024-000105




## LEGEND

| | |
|---|---|
| ▬▬ | PROPERTY BOUNDARY |
| ▬ ▬ ▬ | SECTION BOUNDARY |
| — ✳ — ✳ — | 10' HIKE AND BIKE TRAIL |
| ▬▬ | RIGHT–OF–WAY |
| —— | LOT LINE |
| ⊠ | PROPOSED NEIGHBORHOOD MAIL BOX |
| ✳ | PROPOSED STREET LIGHT |
| — FP — FEMA — 100YR — | FEMA 100YR FLOODPLAIN |
| ATLAS14 — 100YR — FP | ATLAS 14 100YR FLOODPLAIN |
| —OHE—⊠—OHE— | EXISTING OVERHEAD ELECTRIC LINE AND ELECTRIC TOWER |
| LS/MUD/PA | LANDSCAPE BUFFER/ LAKESIDE MUD 5/ PUBLIC ACCESS |
| WE | WATER EASEMENT |
| HOA LS | HOMEOWNER ASSOCIATION LANDSCAPE |
| PA | PUBLIC ACCESS |
| DE/MUD/PA | DRAINAGE EASEMENT/ LAKESIDE MUD 5/ PUBLIC ACCESS |
| WF&L | WALL, FENCE, & LANDSCAPE EASEMENT |

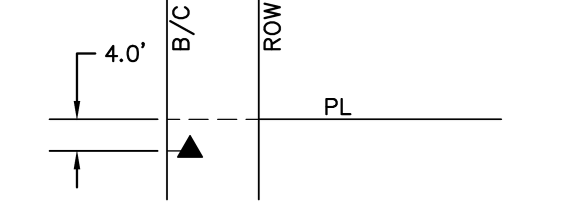
## NOTES

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE ASSOCIATED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. PROPOSED STREET LIGHT LOCATIONS ARE SUBJECT TO CHANGE WITH THE SUBDIVISION CONSTRUCTION PLANS.
3. PROPOSED STREET LIGHTS SHALL BE LED AND DOWNCAST/FULL CUT OFF TYPE.
4. ACCESS TO GATE DANCER LANE WEST OF THE RIDGE AT BLACKHAWK PHASE 2 PROPERTY SHALL BE RESTRICTED TO FIRE AND EMERGENCY VEHICLES ONLY. A FIRE ACCESS GATE AND KNOX BOX SHALL BE INSTALLED DURING CONSTRUCTION OF GATE DANCER LANE TO PROHIBIT DAILY TRAFFIC WEST OF THE PROPERTY.

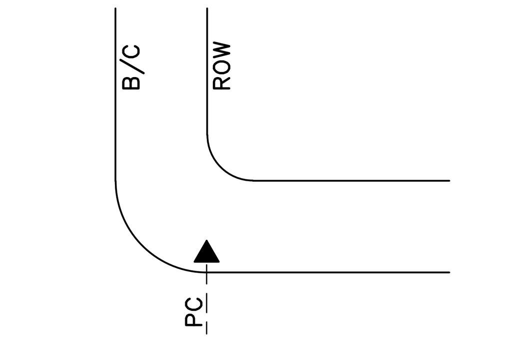
## STREET LIGHT NOTES:

1. STREET LIGHTS SHALL BE PROVIDED IN ACCORDANCE WITH THE ENGINEERING DESIGN MANUAL.
2. STREET LIGHTS SHALL USE A LED LAMP WITH A FULL CUTOFF TYPE LUMINAIRE. A DROP DOWN COBRA HEAD LENSE IS PROHIBITED.
3. STREET LIGHT LOCATIONS ON THIS SHEET ARE FOR INFORMATION PURPOSE ONLY.
4. STREET LIGHTS SHALL NOT BE CONSTRUCTED IN THE SIDEWALK.
5. STREET LIGHTS SHALL BE OFFSET 4 FEET MINIMUM FROM PROPOSED UTILITIES AS TO NOT BE AN OBSTRUCTION.

STREET LIGHTS AT PROPERTY LINES SHALL BE LOCATED 4.0' FROM EXTENSIONS OF PROPERTY LINE ALONG CURB LINE. SEE DETAIL BELOW AND STREET LIGHT NOTE 5.




STREET LIGHTS AT INTERSECTIONS SHALL BE LOCATED AT THE P.C. OF THE CURB RETURN. STREET LIGHT LOCATION SHALL NOT CONFLICT OR BLOCK STREET SIGNAGE OR SIDEWALK RAMPS. SEE DETAIL BELOW.




SIGN PLACEMENT

NO. | REVISION | DATE

DUSTIN J. GOSS 91805 LICENSED PROFESSIONAL ENGINEER — STATE OF TEXAS
08/18/2025

# PAPE–DAWSON

10801 N MOPAC EXPY, BLDG 3, STE 200 I AUSTIN, TX 78759 I 512.454.8711
TEXAS ENGINEERING FIRM #470 I TEXAS SURVEYING FIRM #10028800

# THE RIDGE AT BLACKHAWK PHASE 2
## PRELIMINARY PLAN ONLY
CITY OF PFLUGERVILLE ETJ, TEXAS

STREETLIGHT LAYOUT

| | |
|---|---|
| CITY NO. | PP2024–000105 |
| JOB NO. | 51443–00 |
| DATE | AUGUST 2025 |
| DESIGNER | NJD |
| CHECKED | AC |
| DRAWN | NJD |
| SHEET | 31 of 31 |

Date: Aug 15, 2025, 12:01pm User ID: andrew.cagle
File: H:\Projects\514\43\00\212 Preliminary\Civil\SL51443-00.dwg

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