CITY OF WEST DES MOINES STAFF REPORT COMMUNICATION

MEETING DATE: February 22, 2021

ITEM: Grand Ridge Plat 1, West end of Grand Ridge Drive – Approve Preliminary Plat to create seven (7) lots for Single-Family development, 1 outlot and 1 street lot – The Lowry Company LLC – PP-004540-2019

RESOLUTION: Approval of Preliminary Plat

<u>Background</u>: Ed Arp with Civil Engineering Consultants, on behalf of the applicant and property owner, The Lowry Company LLC, request approval of a Preliminary Plat for the approximately 19-acre property generally located at the west end of Grand Ridge Drive. The applicant proposes to subdivide the property into seven (7) lots for development of single-family estate homes, 1 outlot for future development and 1 street lot for dedication to the City.

Staff Review & Comment:

- Financial Impact: Undetermined
- <u>History</u>: This property is the remaining parcel of what was known as the Boone Farm. The property
 was zoned to the Grand Ridge Planned Unit Development in July 2019.
- <u>Development Aspects</u>: The 2019 adopted PUD provided that the following:
 - Lots 1 and 2 may be a minimum of 30,000sf which is smaller than the typical RE-1A requirement of a minimum of 40,000sf which is required for the other lots. With a smaller lot size, the square footage of all detached accessory structures shall be limited to a collective maximum of 1,000 gross square feet which is consistent with residential zoning districts with smaller lot sizes.
 - Setbacks for lots 1, 2 and 7 have been reduced from a 50' front and rear yard setback to 35' due to the topography, desire to minimize the impact on existing trees which affected the street placement and to minimize the dead-end length of the cul-de-sac.
 - This PUD does include tree removal mitigation language which requires the replacement with 1" caliper of tree for every 1" dbh (diameter at breast height) of tree removed.
- Condition(s) of Approval: No conditions of approval.
- <u>Traffic Analysis Findings</u>: With the proposed land uses, the site is expected to generate less traffic
 than previously estimated. Due to the dead-ending of Grand Ridge Dr in a cul-de-sac versus
 connecting through the site to the west end of Cherrywood Drive, the following impacts may arise:
 - If the intersection of S 50th Street and Grand Ridge Drive is blocked for any reason (e.g., crash, emergency, road maintenance/construction, or special event), there will no other way for seven existing businesses and the proposed new homes within the subdivision to get to or from S 50th Street.
 - A long dead-end would create a longer travel distance for people to travel short distances to see neighbors to the north. This would encourage more automobile use rather than traveling by foot/bike for these short trips.
 - A long dead-end may create issues for emergency services access.

Without Grand Ridge Drive connecting to Cherrywood Drive, these streets would not function as collector streets since they would not connect to a roadway of equal or higher classification. In this case, all of Grand Ridge Drive and a portion of Cherrywood Drive would need to be changed from minor collector streets to local streets on the Ultimate Streets Map and currently adopted Comprehensive Plan Land Use Map.

See following D&P Subcommittee discussion.

- City Council Subcommittee: On June 25, 2018, a discussion on connecting Grand Ridge Drive and Cherrywood Drive was had with the Development and Planning Subcommittee. It was indicated that previous development concepts explored were unable to make a connection due to topographic issues increasing the cost of infrastructure. The connection would require approximately a 1/4 of road and a culvert to cross a drainage area. An option to make a secondary connection to Grand Avenue to the south was discussed but deemed unlikely also due to topography and the need to work with the DOT on property acquisition and access control due to spacing from the interstate. The Fire Marshal indicated that while not ideal, he can make the culde-sac option work with for single-family estate with the addition of a bump-out at the turn north and sprinklering of the homes. The Subcommittee indicated agreement with the development with a cul-de-sac versus requiring a roadway connect Grand Ridge Drive and Cherrywood Drive.
- Plat Validity: Per City Code, the associated Final Plat must be presented to the City Council for approval within twelve (12) months of the approval of this Preliminary Plat if surety is being posted for Public Improvements; or, within eighteen (18) months if Public Improvements are being constructed prior to Final Plat consideration. It is the responsibility of the developer to be aware of these deadlines and request an extension of the Preliminary Plat approval prior to the Preliminary Plat expiration date.

Outstanding Issues: There are no outstanding issues.

Recommendation: Approve the Grand Ridge Plat 1 Preliminary Plat, subject to the applicant meeting all City Code.

Lead Staff Member: Kara Tragesser, AICP

Approval Meeting Dates:

Plan & Zoning Commission	February 22, 2021
City Council	

Staff Report Reviews

Plan & Zoning Commission	Development Coordinator	☐ Legal Department
City Council	□ Director	☐ Legal Department
	☐ Appropriations/Finance	☐ Agenda Acceptance

Publications (if applicable)

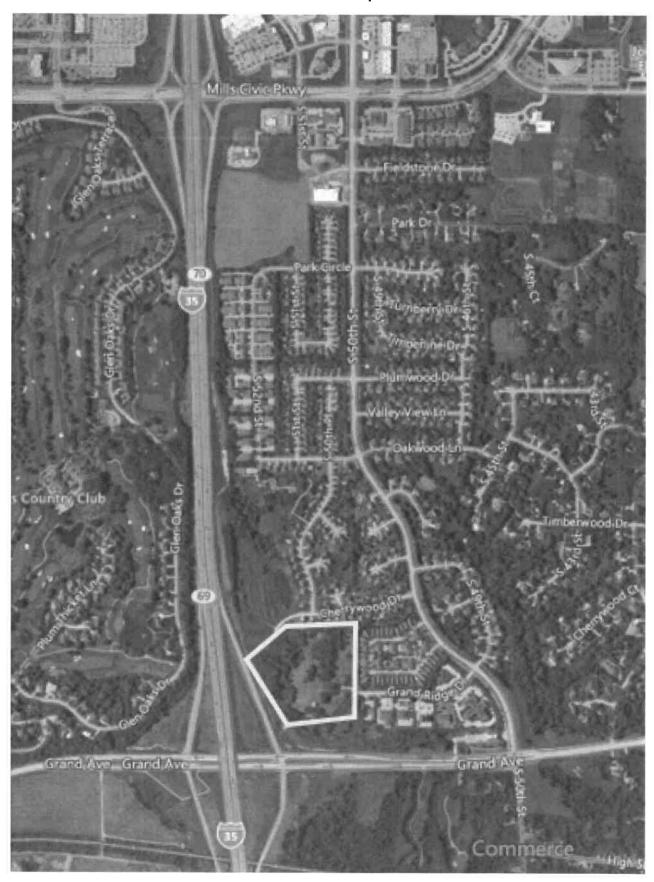
Mailed

Des Moines Register Published In Committee Development & Planning Community Section P&Z n/a Date(s)

Date Reviewed June 25, 2018 City Published n/a Council P&Z n/a Date(s) of Recommendation Yes ⊠ No \square Split City n/a **Notices** Council

Subcommittee Review (if applicable)

Location Map



A RESOLUTION OF THE PLAN AND ZONING COMMISSION NO. PZC-21-009

WHEREAS, pursuant to the provisions of Title 9, of the West Des Moines Municipal Code, the applicant and property owner, The Lowry Company LLC, has requested approval of a Preliminary Plat for that 19-acre property generally located at west end of Grand Ridge Drive to subdivide the property into seven (7) lots for development of Residential Estate (RE-1A) lots and one (1) street lot for dedication to the City; and

WHEREAS, the Preliminary Plat complies with Iowa Code Chapters 354 and 414, the comprehensive plan and city code.

NOW, THEREFORE, the Plan and Zoning Commission of the City of West Des Moines recommends that City Council approve the Grand Ridge Plat 1 Preliminary Plat (PP-004540-2019), subject to compliance with all the conditions of approval as stated in the staff report, including conditions added at the meeting, and attached hereto as Exhibit "A", if applicable.

PASSED AND ADOPTED on February 22, 2021.

	Erica Andersen, Chair
	Plan and Zoning Commission
I HEREBY CERTIFY that the foregoing res Zoning Commission of the City of West Des Moines, 22, 2021, by the following vote:	

AYES: NAYS: ABSTENTIONS: ABSENT:

ATTEST:

Recording Secretary

Civil

(F)

12 - U 10 4 10 4

PRELIMINARY PLAT

GRAND RIDGE PLAT

WEST DES MOINES, IOMA

OWNER / DEVELOPER: THE LOWRY COMPANY, L.L.C., 36539 MEADOWBROOK CIRCLE, CUMMING, IOWA 50061 ATTN: BILL LOWRY, 36539 MEADOWBROOK CIRCLE, CUMMING, IOWA 50061

SHEET TITLE COMPREHENSIVE LAND USE

SHEET INDEX

GEOMETRIC PLAN

GRADING & UTILITY PLAN

GRAND AVENUE

CITY OF MEST DES MOINES DATUM = 46.13 USGS DATUM = 820.14

CITY OF WEST DES MOINES DATUM = 65.01

VICINITY SKETCH

HORIZONTAL CONTROL

Point Name: USGS C

CITY OF WEST DES MOINES NETWORK POINT #044
3400 BLOCK OF GRAND AVENUE, 44 FRET MORTH OF THE CENTRELINE OF GRAND
AVENUE, 45 FRET WEST OF THE WEST SIDE OF THE WEST DES MOINES LIFT STATION
(342) GRAND AVENUE), IN FRET PLAST OF THE MORTH/SOUTH FRAKE LINE.

CITY OF WEST DES MOINES NETWORK POINT \$131

KORTHWEST CORNER OF BOOMEVILLE ROAD AND GRAND AVENUE. 46 FEET NORTH

OF CHATBILINE OF GRAND AVENUE AND 53 FEET WEST OF CENTERLINE OF

SOCNEVILLE ROAD.

CITY OF WEST DES MOINES NETWORK POINT - USGS D 042- STANDARD USG & 66

DISK STAMPED '(3 IIS 1930).

IN COMMERCE, 38.5 FEET NORTH OF NORTH RAIL OF ION INTRESTATE RAILROAD, 72
FEET MEST OF CENTERLINE OF ROAD LEADING TO FORMER BRIDGED 25 FEET SOUTH
OF CENTERLINE OF COMMERCE DRIVE, SET IN TOP OF CONCRETE POST FLUSH WITH

FION LOUIS ALL CONTROL

Network Point ID, II6

Designation NSS ist order vertical control station 'q ISS' PID: MHO493

Northing 195016106281t Easting 195493155981t

Orthometric Height: 894,09081t Ellipsoid Height: 1731,05181t GeoldiZA

Latitudes NH19213,981812 Longitudes NH34934,741744

Happing Anglei- o"1016" Combination Scale Factor: 0,44443,0343

Horument Igps: A standard benchmark disk stamped 'q ISS I450' and set in the top of a round concrete monument.

Point Name: US65 C Network Point ID: 115
Designation N661 let order vertical control station '9857 PID: NHO429
Northing: 560246.482aft Easting: 1556438.496aft
Orthometric Height: 855.070aft Ellipsoid Height: T33.316aft Geoldi2A
Latitudes N41*5214.31526* Longitudes N874*5524.26427*
Mapping Angles -0*12107* Combination Scale Factor: 0.4949.3583
Moniment Type: A US65 survey disk stamped "ELEV 834.963" and set in the top of the nest end of the north headwall of a concrete culvert.

Network Point ID: 115

BENCHMARK

MDR

SCALE: | = 500'

SHEET #

LAND AREA

EXISTING: GRAND RIDGE PUD (RE-IA)
PROPOSED: GRAND RIDGE PUD (RE-IA)

FRONT YARD = 35' FOR LOTS 1, 2, 7, 6 10 FRONT YARD = 50' FOR LOTS 3-6, 8, 6 9 REAR YARD = 35' FOR LOTS 1, 2, 7, 6 10 REAR YARD = 50' FOR LOTS 3-6, 8, 6 9

LEGAL DESCRIPTIONS

THE SOUTH AS THE SOUTHERS IN OF SECTION IS, TOWARD TO BOTH, RANGE 25 THE SOUTH AS T

AND THE EAST 33 FEET OF THE SOUTH I/2 SEI/4 OF SECTION IS, TOWNSHIP TO NORTH, RANGE 25 MEST OF THE 5° PM, EXCEPT THE SOUTH THO FEET, MEST DES HOINES, POLK COUNTY, IONA THAT IS ALL MORE PARTICULARLY DESCRIBED AS FOLLOWS.

60' ROW L-I JOINT

(ACTUAL SUB-GRADE PREP WILL BE DETERMINED BY THE 6EO-TECH, SEE NOTE #14)

TYPICAL 26' B/B CROSS SECTION

PAINT CIRE GREEN FOR BOTH SANTARY AND SIME SERVICES, AND BLUE FOR MATER SERVICE PLACE ONE 6 FT, STEEL POST BURIED 3 FT, AT SERVICE LOCATION DETAIL

SIDEWALK 5.00' (TYP) 1.00

DEPRESSED SIDEWALK CROSS SECTION

PROPERTY OWNER:

CONTACT: BILL LOWRY 36539 MEADONBROOK CIRCLE CUMMING, IOWA 50061 PHONE: (515) 491-0127

UTILITIES

SANITARY SEMER, WEST DES MOINES METROPOLITAN SEMAGE TREATMENT WATER, WEST DES MOINES WATER WORKS

** ALL UTILITIES SHOWN ARE PUBLIC ** UNLESS NOTED OTHERWISE

ALL WATTE WORK, PUBLIC OR PRIVATE, SHALL BE DONE IN ACCORDANCE WITH WEST DES MOINES HATER WORKS STANDARD SPECIFICATIONS.

CONTRACTOR SHALL NOTIFY MEST DES MOINES MATER WORKS AT LEAST ONE WEEK PRIOR TO BUILDING CONSTRUCTION.

THE SENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF WORK OF ALL SUBCONTRACTOR(S) INVOLVED IN THE PROJECT.

3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF MORK OF ALL SIBLOCRIRACTORS) INVOLVED IN THE PROJECT.

4. CONTACT BUILDING REFECTION (SIS-222-9850) A MINIMAM OF 24 HOURS IN ADVANCE FOR PRIVATE UTILITY INSTALLATION REPECTIONS.

5. ALL CONSTRUCTION INTHIN PUBLIC ROJMEASHMENT, AND/OR ANY CONNECTION TO FIBLIC SEVERS AND STREETS, SHALL COMETY WITH THE MEST DES HOINES STANDARD CONSTRUCTION SPECIFICATIONS FOR SUBDIVISIONS, DEH HERRO DESIGN STANDARD CONSTRUCTION SPECIFICATIONS FOR SUBDIVISIONS, DEH HERRO DESIGN STANDARD CONSTRUCTION SPECIFICATIONS FOR SUBDIVISIONS, DEH HERRO DESIGN STANDARD CONTROLLED OF THE PUBLIC ROJMEASHMENTS AND/OR ANY CONNECTION TO PIRBLIC SEMERS AND STREETS, THE CONTROLLED ANY REQUIRED INSPECTIONS, ROYM EXCAVATION PERMITS 222-94TS TO SCHEDULE ANY REQUIRED INSPECTIONS, ROYM EXCAVATION PERMITS CAME BOTANIED AT HEIGHERING SERVICES, CITY HALL SUBTE 22, 222-34TS. IT IS INFORTANT TO NOTE CITY APPROVAL OF THIS FILAN IS SUBJECT TO THE APPLICANT OSTANDARD ALL RECESSARY EASSEMENT/ASSEMENTS AND THE COMPLIANCE WITH THE MEST DES HONISM WHITE WORKS AND THE CONFIGURACE WITH THE MEST DES HONISM WHITE WORKS AND THE CONFIGURACE WITH THE MEST DES HONISM WHITE WORKS AND THE CONFIGURACE WITH THE MEST DES HONISM WHITE WORKS AND THE CONFIGURACE FINAL INSTRUCTION OF AN APPROVED SHACKELON PREVENTION ASSEMBLY FOR CONTANIENT IN ALL BRIT SHALL BY RESPONSIBLE FOR THE ROOPE INSTALLATION OF AN APPROVED SHACKELON PREVENTION ASSEMBLY FOR CONTANIENT IN ALL BRIT SHALL BY THE MEST DES HONISM WHITE HONISMS, RALFIER FOR THE PROPERTY OF SCHEDULE FINAL INSTALLATION AND TESTINAS OF ALL HOTTEY REST DES HONISM WHITE HONISMS, RALFIER MINIMAL AND TESTINAS OF ALL HOTTEY HEST DES HONISM WHITE HONISMS, RALFIER MINIMAL BRIT BIRD OF ALL BACKFLON PREVENTION TO SE HONISM WHITE HONISMS, RALFIER MINIMAL BOURSE, BALL HOTTEY HEST DES HONISMS WHITE HONISMS, RALFIER MINIMAL BOURSE, BALL HOTTEY HEST DUES HONISM WHITE HONISMS, RALFIER MINIMAL BACKFLON PREVENTION TO SECREDILE FINAL INSTALLATION AND TESTING AND TESTING AND TESTING AN

INCLE MINISTER VATION

RISTING THE COVER ON THE SITE SHALL BE PROTECTED AND ANY LOSS MITIGATED.

RISTING THE COVER ON THE SITE SHALL BE PROTECTED AND ANY LOSS MITIGATED.

RISTING THE RISTING THE PROPERTY OF THE STATE OF THE COMMON THE PROPERTY OF THE SHALL BE PROVIDED FOR EVERY INCH OF THE PROVIDED FOR EVERY INCH OF CALIFER AT REPEAST HEIGHT OF REMOVED TREES. AT THE THE OF BUILDING FERMIT APPLICATION FOR EACH MOME, TREES TO BE REMOVED SHALL BE INDICATED AND DOCUMENTATION FROM A CERTIFIED ARRESTITED AND THE REMOVED AND HEIGHT AND HEIGHT PROFESSIONAL INDICATED SHALL BE REMOVAL AND HEITHER REPUBLICATION FROM A CERTIFIED ARROUNDED TO THE DEVELOPMENT SERVICES DEPARTMENT OF BEAUTY SHALL BE REPLACED TO THE DEVELOPMENT SERVICES OF A FINAL COLUMN FROM THE CONT. THE NOW.

ORIFICE DETAIL: ST #3

GENERAL LEGEND PROPOSED

WITH THE CITY

PLAT BOUNDARY LOT LINE SANITARY/STORM MANHOLE ---- SECTION LINE _____ LOT LINE WATER VALVE CENTED INF FIRE HYDRANT FASEMENT I INF STORM SEWER SINGLE INTAKE FLARED END SECTION STORM SENER DOUBLE INTAKE STORM SEMER ROUND INTAKE TYPE SM-501 STORM INTAKE FLARED END SECTION TYPE SMLSOD STORM INTAKE DECIDUOUS TREE TYPE SM-503 STORM INTAKE TYPE SW-504 STORM INTAKE CONFEROUS TREE TYPE SW-505 STORM INTAKE SHRUB

PLANS INCLUDED ARE FOR ILLUSTRATIVE PURPOSES ONLY - APPROVED PLANS ON FILE

EXISTING

OVERHEAD ELECTRIC

SANITARY SEMER WITH SIZE

STORM SEWER WITH SIZE

WATER MAIN WITH SIZE

BUILDING SETBACK LINE

PUBLIC UTILITY EASEMENT MINIMUM OPENING ELEVATION

DECIDIOUS TREE TO BE REMOVED

EXISTING CONTOUR TREELINE

TYPE SW-506 STORM INTAKE POWER POLE STREET LIGHT TYPE SW-511 STORM INTAKE GUY ANCHOR ELECTRIC TRANSFORMER TYPE SW-512 STORM INTAKE GAS METER TYPE SW-5I3 STORM INTAKE TELEPHONE RISER

— они —

926

TYPE SW-402 STORM MANHOLE —catv— UNDERGROUND TELEVISION --- UGE ---UNDERGROUND ELECTRIC TYPE SW-403 STORM MANHOLE ----UNDERGROUND GAS -usta-UNDERGROUND FIRER OPTIC TYPE SW-301 SANITARY MANHOLE - UGT -UNDERGROUND TELEPHONE

TYPE SM-304 SANITARY MANHOLE

PROPOSED CONTOUR

RIP RAP ADDRESS

INLET FILTERS

ONE CALL

OR INLET SOCKS

TREE PROTECTION FENCE

SILT FENCE

(1234)

HROU

TYPE SM-302 SANITARY MANHOLE

FIRE HYDRANT ASSEMBLY BLOW-OFF HYDRANT DETECTABLE WARNING PANEL

RENTERIA, BISHERRINS TECHNICIAN (915-222-3465) A MINIMUM OF 24 HOURS ÁFTER INSTALLATION AND TESTING OF ALL BACKFLOW DEVICES TO SCHEDULE FINAL INSTALLATION AND TESTING OF ALL BACKFLOW DEVICES TO SCHEDULE FINAL INSTALLATION OF A STREET AND A STREET A STREET.

DEVICED AN INTERSECTION STREET.

PRIOR TO CONSTRUCTION OF ANY PUBLIC IMPROVEMENTS ASSOCIATED MITH THIS SIBEDIVISION, CONSTRUCTION FLANS POR SAID IMPROVEMENTS ASSOCIATED MITH THIS SIBEDIVISION, CONSTRUCTION FLANS POR SAID IMPROVEMENTS ASSOCIATED MITH THIS SIBEDIVISION, CONSTRUCTION FLANS POR SET.

1. ASTORMANT AND A STREET AND A STREET AND A STREET TO BE SUBMITTED AS A STREET AND A

RAGE AREA. WATER SERVICES SHALL BE 2-INCH IN SIZE.

TREE PRESERVATION

I, TREES SHALL NOT BE PLANTED CLOSER THAN 5 FEET (5) TO A SIDEWALK AS MEASURED FROM THE CENTER OF THE TREE.

2. NO VESETATION WHICH OBSTRUCTS VISIBILITY SHALL BE LOCATED WITHIN THE SITE TRANSLE OF INTERSECTING STREETS AND PRIVATE DRIVES, INCLUDING RESIDENTIAL

- I/4" STEEL PLATE - 15" RCP 45" DIA OPENING

®IOWA 1-800-292-8989 PLACE ORIFICE PLATE IN FIRST SECTION OF

PRELIMINARY (NOT APPROVED

CONSTRUCTION SCHEDULE

PRELIMINARY (NOT APPROVED

CERTIFICATIONS

TREE REMOVAL AREA CONIFEROUS TREE TO BE REMOVED SHRUB TO BE REMOVED FALL 2020 - CLEARING, ROUGH GRADING, SILIT PENCE, SEDIMENT BAGINS & TEMPORARY SEEDING SPRING 2021 - PAVING SPRING L L ≤ RIDOH MOINES, IOM GRAND WEST DES N 000

SHEET

*O*F 3

