

Midway City Council
18 June 2019
Regular Meeting

Whitaker Farm Subdivision /
Final Approval



CITY COUNCIL MEETING STAFF REPORT

DATE OF MEETING: June 18, 2019

NAME OF PROJECT: Whitaker Farms Subdivision

NAME OF APPLICANT: Luster Development

AGENDA ITEM: Final Approval

LOCATION OF ITEM: 455 North River Road

ZONING DESIGNATION: RA-1-43

ITEM: 8

Luster Development, agent for Tom Whitaker, is proposing final approval of the Whitaker Farms Subdivision. The proposal consists of 50 lots on 80 acres and contains 20 acres of open space. The property is located at 455 North River Road and is in the RA-1-43 zone.

BACKGROUND:

Luster Development is proposing final approval of the Whitaker Farms subdivision which is located at 455 North River Road. There will be 50 lots in the development which will be developed as a large-scale standard subdivision. All roads in the development will be public roads which will require City maintenance once the roads are accepted by the City. There will be 25% open space (20 acres) included in the development which is 10% more than the minimum requirement of 15%. The open space/common area will be owned by the homeowners' association (HOA). There will also be a mix of public and private trails throughout the development along with private amenities which may include a barn/clubhouse and sports facilities that members of the community could use. The amenities will be constructed by the developer and owned and maintained by the HOA.

Sensitive land is located on the property and will be left undisturbed as required by the land use ordinance. For residential development, these sensitive lands are areas of slope 25% or greater. Most of the areas of slope that are 25% or greater are located in the open space area that contains part of Memorial Hill. There are some small areas of slope greater than 25% that are located on the far east side of the property and will be located in some of the lots. For those lots, a building envelope will be placed on the plat limiting areas where structures will be located.

LAND USE SUMMARY:

- 80 acres
- RA-1-43 zoning
- 50 lots
- Project is a Standard Subdivision
- Public roads
- The lots will connect to the Midway Sanitation District sewer and to the City's water line.
- An 8' paved public trail is planned to run north and south through the length of the property with a connection to Memorial Hill. There will also be a public trail that will run alongside the eastern loop road.
- Sensitive lands of the property include areas of slope 25% or greater and wildlife habitat

ANALYSIS:

Open Space – The code requires 15% (12 acres) open space. The developer is proposing 25% (20 acres) open space and therefore meets the requirement of the code. The open space is also contiguous and connects to Memorial Hill.

Density – The applicant is asking for approval for 50 lots in the development as per the annexation agreement that was signed by the petitioner and the City. The applicant is bound to that agreement and cannot petition for more density unless an amendment is made to the annexation agreement. Generally, 80 acres in the RA-1-43 zone would allow about 68 lots (this is based on streets covering about 15% of the property).

Two Points of Access – The development plan has two points of access onto River Road though only one of the two has been secured. The two points of access on River Road do meet the City requirements regarding the two points of access construction standards. There is a third point of access planned on the southside of the property that will be stub road until connected to a future road.

Traffic Study – The developer has submitted a traffic study to the City as part of the application. Horrocks Engineers has reviewed that study to determine what road improvements are required. The developer is required, through the annexation agreement, to make significant improvements to River Road which include building two roundabouts and constructing a bike lane on both sides of River Road.

Geotechnical Study – The developer has submitted a geotechnical study to the City as part of the application. Horrocks Engineers has reviewed that study to determine if any special requirements are needed for construction of the roads and future structures in the development.

Sensitive Lands – Sensitive land is located on the property and will be left undisturbed as required by the land use ordinance. For residential development, these sensitive lands are areas of slope 25% or greater. Most areas of slope that are 25% or greater are located in the open space area that contains part of Memorial Hill. There are some small areas of slope greater than 25% that are located on the far east side of the property and will be located in some of the lots. For those lots, a building envelope will be placed on the plat limiting areas where structures can be located.

Trails – The developer is required to build public trails as part of the proposal. The public trails will run along all roads in the development and will consist of an 8' paved surface.

Water Connection – The lots will connect to the City's water line located under River Road.

Sewer Connection – The lots will connect to Midway Sanitations District's sewer line that crosses through the property.

Road Cross Section – The developer has proposed a rural road cross section instead of the default urban cross section. The rural cross section has the same 56' right-of-way width and 30' of asphalt width but it includes an 8' trail on one side of the street, 2' flat concrete curb and a road side drainage ditch instead of the standard 5' park strips and 5' sidewalks with modified curb on both sides of the street. The rural cross section can only be approved if the Planning Commission and City Council both approve the road design. The rural cross section can only be petitioned if the average frontage of the lots is greater than 150'. This has been reviewed by staff and the average frontage is greater than 150'.

20-acre Whitaker Parcel – There are 20 acres located to the west of the 80-acre proposal that are associated with each other through the annexation agreement. All density in the 100-acre area will be part of one Homeowner’s Association. An HOA will be formed for the 50 lots and later, when the 20-acre area is developed, a 12-unit PUD will be created that will also be subject to the HOA as discussed when the property was considered for annexation.

Both phases will be one HOA – The developments located in the 100 acres (this proposal on 80 acres and a future proposal on the remaining 20 acres) owned by the annexation petitioners will all be one Home Owners’ Association.

View corridors – The development has been designed to maintain view corridors from Memorial Hill and from River Road. The positioning of the open space and lots will all the development to be mostly unseen from River Road.

Memorial Hill access – The developer must present and receive approval from the County Council of an access plan to Memorial Hill.

Landscaping Plan – A landscaping plan has been submitted to the City and a copy is attached to this report. Staff has concerns about the proposed prairie grass and the maintenance of the prairie grass. The developer has stated that the prairie grass will be cut, at a minimum, three times each year. Language will be included in the development agreement regarding maintenance of the prairie grass.

Proportional Frontage and Acreage Reduction – The lots in the subdivision may reduce in frontage and acreage based on the amount of open space provided. The developer is providing 25% open space which is 10% more than the required amount. This allows the lots and frontage to reduce by 25% based on the code that was in place at the time of vesting. This allows frontage to reduce from 150’ to 112.5’ and lots may reduce from one acre to 0.75 acres.

Roundabouts – The developer has proposed two roundabouts as part of the development. The two roundabouts were included as part of an annexation agreement amendment. The roundabouts serve several purposes including slowing traffic, allowing River Road to remain a two lane road thus, preserving a rural atmosphere, beautification and aesthetics, deterring through traffic, creating a safe intersection where multiple accesses meet River Road at the base of Memorial Hill, and helping to create better parking for Memorial Hill. The City has diligently worked with Wasatch County and the developer to facilitate the approval process of the Memorial Hill roundabout because the City feels the proposed plan has many benefits to the residents of Midway and Wasatch County. Since some of the property where the roundabout will be located is owned by Wasatch County, their approval is required for the proposal to move forward. As of the writing of this report, Wasatch County has not approved the proposed plans. The developer has offered to bond for all infrastructure costs of the roundabout so that the project can move forward but this presents issues that must be considered regarding granting final approval of the

subdivision. Without County approval of the roundabout before final approval is granted there is no guarantee that the proposed plan will ever be possible. Bond money will cover the cost but without approval cannot be used. Which would leave the proposal without two approved points of access. The developer has submitted a plan B proposal (which has yet to be engineered) that appears to meet code requirements but there are other issues that will need to be worked out such as trail access to Memorial Hill, which is important to the trails master plan. The question is, does the City Council feel that plan B is an acceptable option or not? If it is acceptable then the City could grant final approval for both options. The Memorial Hill roundabout would be the preferred option and a condition could be required that would allow the developer several months to receive approval from the County. If approval is not obtained in the specified time period, then the developer would have to build plan B. Bonding would need to cover the maximum cost required by code for either option. All the details, such as trails, would still need to be discussed.

WATER BOARD RECOMMENDATION:

The Water Board reviewed the proposal and has recommended that 235.17-acre feet of water are required for the 83.64-acre proposal.

PLANNING COMMISSION FINAL APPROVAL RECOMMENDATION:

Motion: Commissioner Nicholas: I motion that we recommend approval, proposing final approval of the Whitaker Farm Subdivision. We accept staff findings with the five conditions listed in on the Power Point Presentation Slide that are noted in the report along with the condition that engineering plans be submitted and approved prior to scheduling this item to City Council, and the condition of reducing the width of the cross section and asphalt to 26 feet and the savings to be used by the city for trails and bike paths. The proposal consists of 50 lots on 80 acres and contains 20 acres of open space. The property is located at 455 North River Road and is in the RA-1-43 zone.

Second: Commissioner Payne

Chairman Kohler: Any discussion on the motion?

There was none

Chairman Kohler: All in favor.

Ayes: Commissioners: Payne, Nicholas, O'Toole, Whitney, Ream, Bouwhuis

Nays: None

Motion: Passed

PROPOSED FINDINGS:

- The proposed development does comply with the requirements of the RA-1-43 zoning code

- The proposal does not have County approval for a new access to Memorial Hill
- The amended annexation agreement has not been signed
- The developer is providing 10% more open space than required by code

ALTERNATIVE ACTIONS:

1. Approval (conditional). This action can be taken if the City Council feels the proposal complies with the requirements of the Land Use Code.
 - a. Accept staff report
 - b. List accepted findings
 - c. Place condition(s) if needed
2. Continuance. This action can be taken if the City Council feels that there are unresolved issues.
 - a. Accept staff report
 - b. List accepted findings
 - c. Reasons for continuance
 - i. Unresolved issues that must be addressed
 - d. Date when the item will be heard again
3. Denial. This action can be taken if the City Council feels that the request does not meet the intent of the ordinance.
 - a. Accept staff report
 - b. List accepted findings
 - c. Reasons for denial

PROPOSED CONDITION:

1. The amended annexation agreement must be signed before the plat is recorded.
2. The developer must build either the proposed roundabout plan or the proposed plan b to provide the required second access to the development
3. The developer must pursue approval of the roundabout from Wasatch County for six months or be denied by Wasatch County before plan b may be considered as an option for access.
4. If plan b becomes the access for the development, all trail connectivity in the development, along River Road, and to Memorial Hill must be approved by the City before construction begins in the development.

June 18, 2019

Midway City
Attn: Michael Henke
75 North 100 West
Midway, Utah 84049

Subject: Whitaker Farm Subdivision –Final Plan Review

Dear Michael:

Horrocks Engineers recently reviewed the Whitaker Farm subdivision plans for Final approval. The proposed subdivision is located at approximately 450 River Road just north and east of Memorial Hill. The proposed subdivision consists of 50 lots. The following issues should be addressed.

General Comments

- The subdivision plans generally comply with the Midway City construction standards. All redline comments will be addressed.
- The roads, culinary water, pressurized irrigation system, and storm drain systems within this development will be public infrastructure and maintained by each entity.

Water

- The proposed development will be served from the Gerber Mahogany pressure zone.
- The proposed development will install a new 12" culinary water line within River Road. Impact fees will upsize the water line from 8" to 12".

Irrigation

- All outside irrigation for the proposed development will be served by the pressure irrigation system.

Roads

- The roadway right-of-way within the proposed development will be 56'. The rural cross-section using a ribbon curb and an 8' trail on one side will be used.
- The existing plans show a round-a-bout at the Memorial Hill entrance. The proposed round-a-bout will provide access to Memorial Hill and 15 parking spaces for the pedestrian access to Memorial Hill.
- The construction plans show a 5' bike lane on each side of River Road with a 12" rumble strip separating the vehicle and bicycle traffic.
- The original Annexation Agreement requires the developer to install a 14' center turn lane within River Road along the frontage of the development and a 5' bike lane along each side of the road. To better maintain the rural nature of River Road the Annexation Agreement was amended to require the developer to install a round-a-bout at the entrance to Memorial Hill and at the 600 North intersection, and the two 5' bike lanes. The construction cost of the development will be bid with both

scenarios, the cost to installing the 14' center turn lane and two 5' bike lanes, and the cost to install the two round-a-bouts, and two 5' bike lanes. If the cost to install the center turn lane is higher than the cost to install the two round-a-bouts, that difference will be provided to the City. The City may decide to install additional bike/pedestrian access along River Road.

Trails

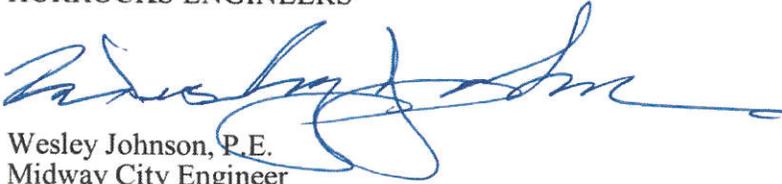
- The plans show a trail system will be installed throughout the subdivision. The proposed trail system will connect to Memorial Hill and 600 North.

Storm Drain

- The storm drain system is a public system. The storm drain system consists of surface swales, catch basins, and detention basins within the development.

Please feel free to contact our office with any questions.

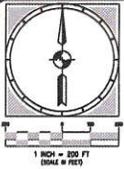
Sincerely,
HORROCKS ENGINEERS



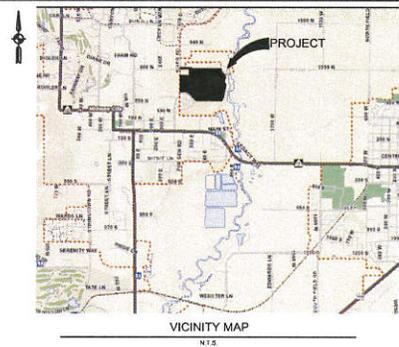
Wesley Johnson, P.E.
Midway City Engineer

cc: Dan Luster
Brian Balls

Developer, (sent by e-mail)
Summit Engineering Group Inc. (sent by e-mail)



WHITAKER FARMS SUBDIVISION FINAL PLAT



PUBLIC UTILITY EASEMENTS:
ALL LOTS IN THIS SUBDIVISION ARE SUBJECT TO PUBLIC UTILITY EASEMENTS ALONG ALL PROPERTY LINES AS FOLLOWS:
FRONT: 10 FEET
REAR: 10 FEET
SIDE: 10 FEET

PROPERTY CORNER NOTES
1. 5/8" IRON AND PLASTIC CAP STAMPED "SUMMIT ENG 435-654-9229" TO BE SET AT SUBDIVISION CORNERS AND ALONG LOT CORNERS.
2. 1.1" COPPER PLUG STAMPED "SP-PP 1453798" TO BE SET AT POINTS WHERE EXTENSION OF SIDE LOT LINES INTERSECT CENTER OF CONCRETE STREET CURVE.

ZONING INFORMATION
APPROVED MINIMUM SETBACKS ARE AS FOLLOWS UNLESS OTHERWISE APPROVED:
FRONT: 30 FEET
REAR: 30 FEET
SIDE: 14 FEET MINIMUM
30 FEET TOTAL
CORNER LOTS ARE SUBJECT TO A 30 FOOT BUILDING SETBACK ON THE STREET THAT IS NOT BEING FRONTED ON. ALL SETBACKS ARE SUBJECT TO HERRON CITY ZONING ORDINANCE REQUIREMENTS AT THE TIME A BUILDING PERMIT IS ISSUED.

PLAT NOTES:
1. NOTE 1
2. NOTE 2
3. NOTE 3

BOUNDARY DESCRIPTION

BEGINNING NORTH 89°04'00" EAST 882.55 FEET FROM THE NORTH 1/4 CORNER OF SECTION 35, TOWNSHIP 3 SOUTH, RANGE 4 EAST, SALT LAKE BASIN AND MERIDIAN, SAID NORTH 1/4 CORNER LIES SOUTH 87°32'00" WEST 1.80 FEET FROM A WASATCH COUNTY MONUMENT REFERENCING THE NORTH 1/4.

THENCE NORTH 89°04'00" EAST 1988.85 FEET ALONG THE BOUNDARY, THENCE FOLLOWING ALONG RECORDS OF SURVEY (RMS) THE FOLLOWING TWO (2) COURSES: (1) SOUTH 1°25'24" EAST 84.00 FEET, THENCE FOLLOWING THE BOUNDARY OF PROPERTY OWNED BY THE UNITED STATES OF AMERICA (ENTRY NO. 221032) THE FOLLOWING TEN (10) COURSES: (1) SOUTH 89°07'00" EAST 84.00 FEET, (2) SOUTH 49°04'00" EAST 248.07 FEET, (3) SOUTH 27°07'00" EAST 84.07 FEET, (4) SOUTH 89°07'00" EAST 84.00 FEET, (5) SOUTH 17°02'00" WEST 140.73 FEET, (6) SOUTH 89°04'00" WEST 84.07 FEET, (7) SOUTH 89°07'00" EAST 84.00 FEET, (8) SOUTH 20°07'00" EAST 123.30 FEET, (9) SOUTH 89°04'00" EAST 115.00 FEET, (10) SOUTH 89°04'00" WEST 223.00 FEET, THENCE FOLLOWING ALONG PROPERTY OWNED BY THE UNITED STATES OF AMERICA (ENTRY NO. 200602) THE FOLLOWING TWO (2) COURSES: (1) SOUTH 89°04'00" WEST 474.00 FEET, (2) SOUTH 27°04'00" WEST 180.00 FEET TO A FOUND REMAIN, THENCE ALONG THE BOUNDARY OF RECORDS OF SURVEY (RMS), AS EVIDENCED BY FOUND REMAINS, THE FOLLOWING THREE (3) COURSES: (1) SOUTH 89°04'00" WEST 326.00 FEET, (2) SOUTH 89°07'00" WEST 790.00 FEET, (3) SOUTH 89°04'00" WEST 442.30 FEET TO A FENCELINE, THENCE ALONG SAID FENCELINE FOR THE FOLLOWING SIX (6) COURSES: (1) NORTH 49°07'00" WEST 333.74 FEET, (2) NORTH 42°07'00" WEST 151.72 FEET, (3) NORTH 89°07'00" WEST 302.00 FEET, (4) NORTH 89°07'00" WEST 90.46 FEET, (5) NORTH 82°02'00" WEST 84.01 FEET, (6) NORTH 78°04'00" WEST 108.38 FEET, THENCE SOUTH 89°04'00" WEST 384.15 FEET ALONG A FENCELINE AND FENCELINE EXTENSION, THENCE NORTH 09°07'00" WEST 882.64 FEET ALONG THE CENTER OF SECTION LINE PER RECORDS OF SURVEY (RMS), THENCE EAST 304.80 FEET ALONG THE DEED LINE FOR ENTRY NO. 421098, THENCE NORTH 09°07'00" WEST 402.34 FEET ALONG A FENCELINE TO THE POINT OF BEGINNING, CONTAINING 103.543 ACRES.

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS NORTH 89°04'00" WEST 532.62 FEET FROM THE MONUMENT REFERENCING THE NORTH 1/4 CORNER OF SECTION 35 TO THE 1983 WASATCH COUNTY MONUMENT AT THE NORTH CORNER OF SECTION 35, TOWNSHIP 3 SOUTH, RANGE 4 EAST, SALT LAKE BASIN AND MERIDIAN IN CONFORMANCE WITH UTM STATE PLANE COORDINATE SYSTEM 1983 CENTRAL ZONE BEARINGS.

SURVEYOR'S CERTIFICATION

IN ACCORDANCE WITH SECTION 10-84-803 OF THE UTAH CODE, I, BING CHRISTENSEN, DO HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR HOLDING LICENSE NUMBER 145798 IN ACCORDANCE WITH TITLE 16, CHAPTER 22, OF THE PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS LICENSING ACT.

I FURTHER CERTIFY THAT I HAVE COMPLETED A SURVEY OF THE PROPERTY DESCRIBED ON THE PLAT IN ACCORDANCE WITH SECTION 17-23-17 OF THE UTAH CODE, AND HAVE VERIFIED ALL MEASUREMENTS, AND HAVE PLACED MONUMENTS AS REPRESENTED ON THE PLAT.

BING CHRISTENSEN
PROFESSIONAL LAND SURVEYOR

DATE

SURVEYOR'S SEAL

OWNER'S DEDICATION

KNOW ALL MEN BY THESE PRESENTS THAT (I/WE) THE UNDERSIGNED OWNER(S) OF THE TRACT(S) OF LAND SHOWN AND DESCRIBED ON THIS SUBDIVISION PLAT, HAVE CAUSED THE SAME TO BE SUBDIVIDED INTO LOTS, STREETS, AND EASEMENTS, INCLUDING PUBLIC TRAIL EASEMENTS, TO BE HEREAFTER KNOWN AS THE SUBDIVISION, DO HEREBY DEDICATE FOR THE PERPETUAL USE OF THE PUBLIC ALL PORTIONS OF LAND SHOWN ON THIS PLAT AS INTENDED FOR PUBLIC USE.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND THIS _____ DAY OF _____, 2016.

TEE OWNER (OR AGENT) PRINTED NAME DATE

TEE OWNER (OR AGENT) PRINTED NAME DATE

ACKNOWLEDGEMENT

STATE OF _____)
COUNTY OF _____) S.S.

ON THIS _____ DAY OF _____, 2016, PERSONALLY APPEARED BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC, IN AND FOR SAID COUNTY OF _____, IN SAID STATE OF _____, THE SIGNER OF THE ABOVE OWNER'S DEDICATION, WHO AFTER BEING DULY SWORN, ACKNOWLEDGED TO ME THAT HE SIGNED THE OWNER'S DEDICATION FREELY AND VOLUNTARILY FOR AND IN BEHALF OF SAID CORPORATION FOR THE PURPOSES MENTIONED AND THAT SAID CORPORATION EXECUTED THE SAME.

NOTARY PUBLIC

ACCEPTANCE BY MIDWAY CITY

THE CITY COUNCIL OF MIDDAY CITY, WASATCH COUNTY, STATE OF UTAH, HEREBY APPROVES THIS SUBDIVISION AND ACCEPTS THE DEDICATION OF LOTS, EASEMENTS, STREETS AND PUBLIC RIGHTS—OF-WAY HEREON SHOWN.

APPROVED: MAYOR DATE ATTEST: CITY RECORDER DATE
(SEE SEAL BELOW)

APPROVED: CITY ENGINEER DATE ATTEST: CITY ATTORNEY DATE
(SEE SEAL BELOW)

MIDDAY IRRIGATION COMPANY MIDDAY SANITATION DISTRICT

CHAIRMAN DATE CHAIRMAN DATE

WASATCH COUNTY RECORDER

PROJECT: C18-004
SHEET: 1 OF 3
ISSUE DATE: 03/22/2016

Summit Engineering Group Inc.
Professional & Civil Surveying
50 WEST CENTER ST. 2ND FLOOR
P.O. BOX 100000 SALT LAKE CITY, UT 84110-0000
TEL: 801-488-1000 FAX: 801-488-1001

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WHITAKER FARMS SUBDIVISION

LOCATED IN THE NORTHEAST 1/4 OF SECTION 35, TOWNSHIP 3 SOUTH, RANGE 4 EAST, S.L.B.M., MIDDAY CITY, WASATCH COUNTY, UTAH

WASATCH COUNTY SURVEYOR

APPROVED AS TO FORM

SURVEYOR DATE ROB #

CITY ENGINEER SEAL

CLEAR RECORDER SEAL

UTAH PROFESSIONAL LAND SURVEYORS BOARD REGISTRATION NUMBER 145798-04 FINAL PLAT 2-10-2016

PLAT MATCHLINE - SEE SHEET 2

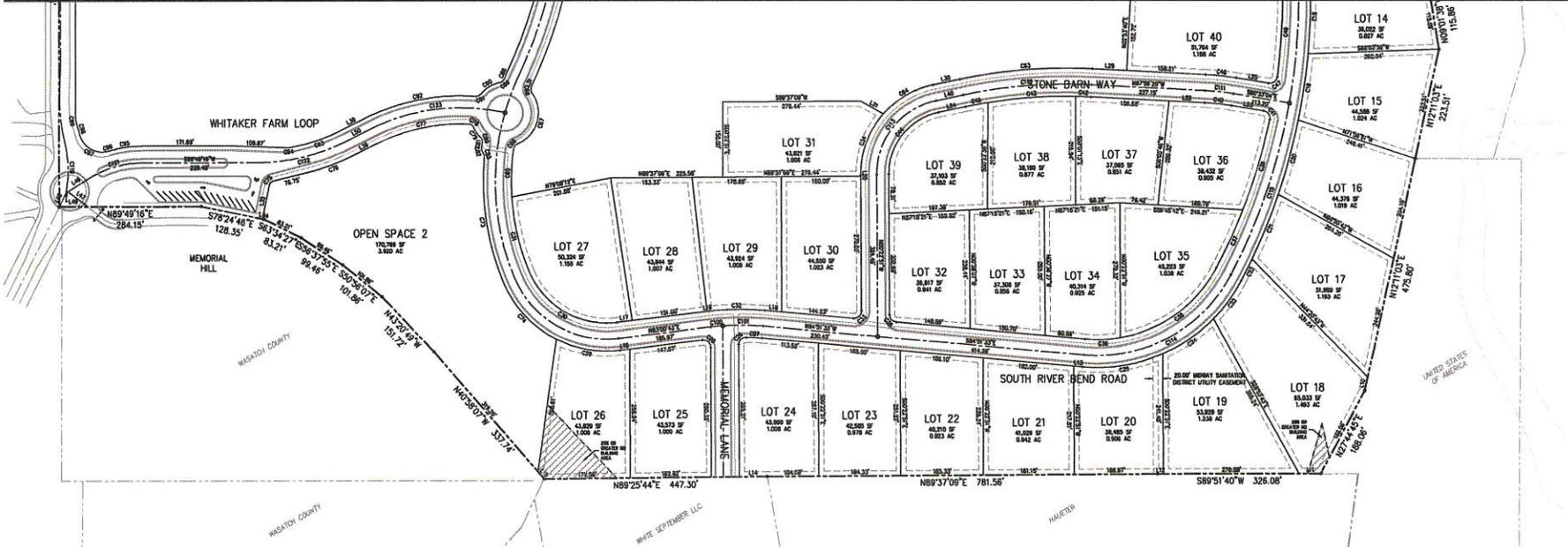
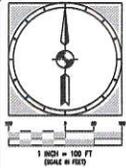
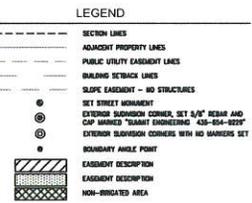


Table with 5 columns: CHAIN, BEARING, ARC LENGTH, DELTA ANGLE, CHORD LENGTH, CHORD BEARING. Contains survey data for lots 14 through 20.

Table with 5 columns: CHAIN, BEARING, ARC LENGTH, DELTA ANGLE, CHORD LENGTH, CHORD BEARING. Contains survey data for lots 21 through 30.

Table with 5 columns: CHAIN, BEARING, ARC LENGTH, DELTA ANGLE, CHORD LENGTH, CHORD BEARING. Contains survey data for lots 31 through 40.

Table with 2 columns: LINE, BEARING, DISTANCE. Lists specific line bearings and distances for the subdivision.

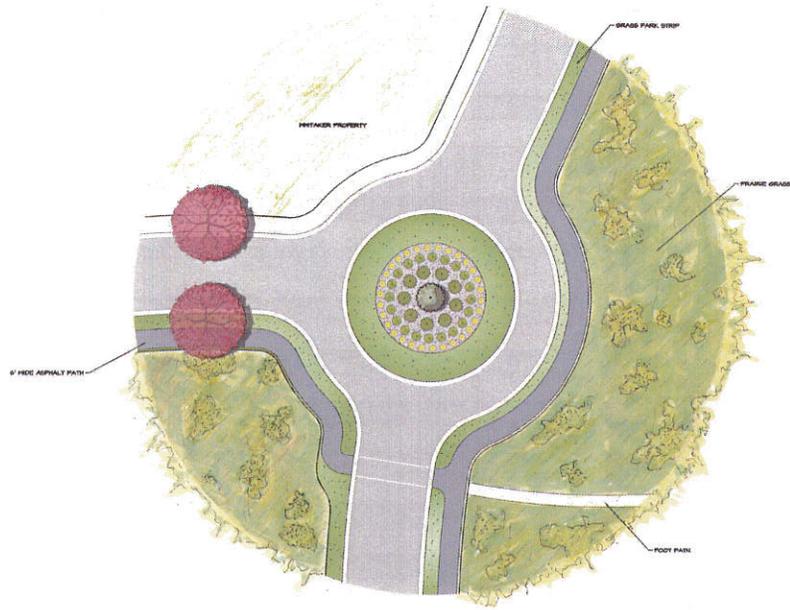


Project information: PROJECT C18-004, SHEET 3 OF 3, Summit Engineering Group Inc., Structural • Civil • Surveying, 60 WEST CENTER • PO BOX 198, P. 801-226-2272 • F. 801-226-9511, 03/13/2019

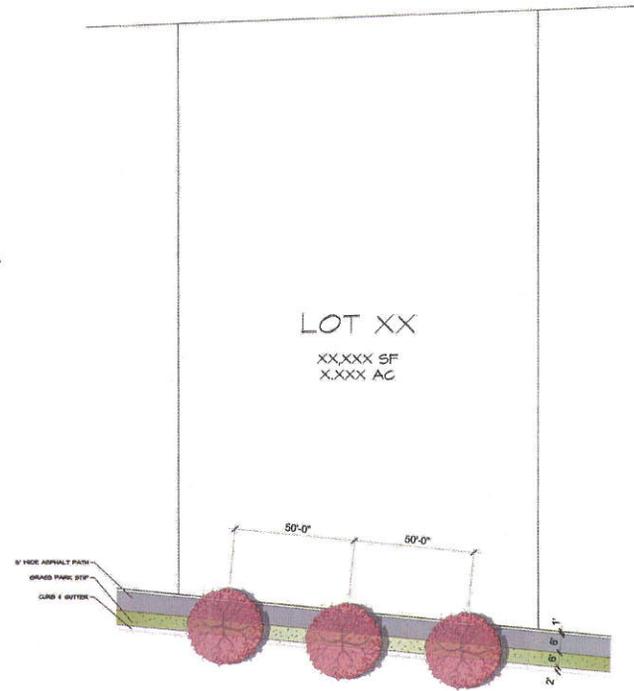
WHITAKER FARMS SUBDIVISION

LOCATED IN THE NORTHEAST 1/4 OF SECTION 35, TOWNSHIP 3 SOUTH, RANGE 4 EAST, S18&M, MIDWAY CITY, WASHINGTON COUNTY, UTAH

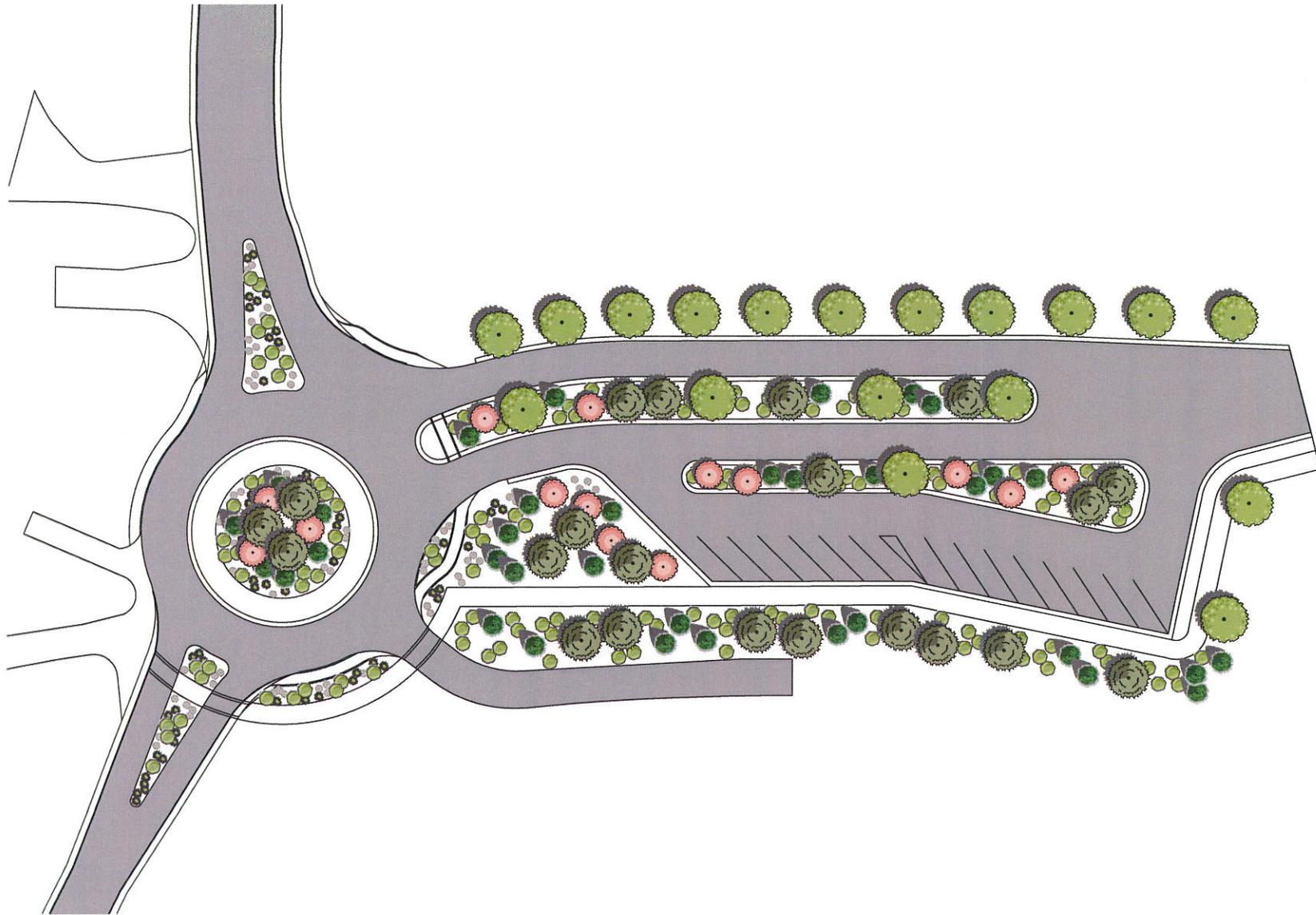
2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN FEET AND DECIMALS THEREOF. ALL PLAT LINES ARE 1/8" WIDE.



ROUNABOUT ENLARGEMENT



PARK STRIP ENLARGEMENT TYPICAL



PLANT LEGEND

	EVERGREEN TREE	21
	ORNAMENTAL TREE	14
	DECIDUOUS TREE	18
	SMALL EVERGREEN TREE	35
	GRASSES	53
	PERENNIALS	71
	SHRUBS	135

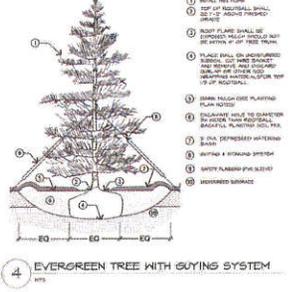
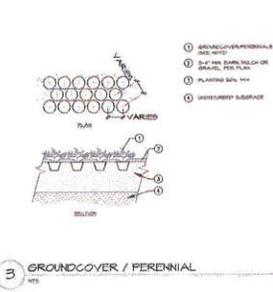
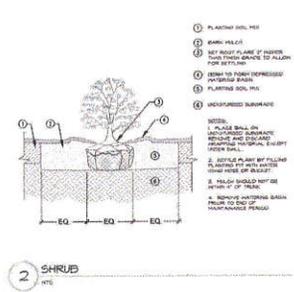
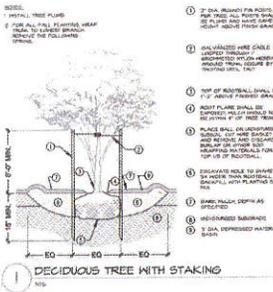


PLANT LEGEND

	EVERGREEN TREE	21
	ORNAMENTAL TREE	14
	DECIDUOUS TREE	18
	SMALL EVERGREEN TREE	35
	GRASSES	53
	PERENNIALS	71
	SHRUBS	135

PLANTING NOTES

1. SOURCE OF BASE DRAWINGS IS SURVEY ENGINEERING GROUP.
2. REFER TO GULF ENGINEERS PLANS FOR UTILITY LOCATION AND DEBRISAGE INFORMATION.
3. REFER TO CIVIL ENGINEERING GRADING PLANS FOR GRADING INFORMATION. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE PLANS OR IF THERE ARE DISCREPANCIES BETWEEN THE PLANS, CONTACT THE LANDSCAPE DESIGNER FOR DIRECTION AS TO HOW TO PROCEED.
4. VERIFY LOCATIONS OF EXISTING SITE IMPROVEMENTS INSTALLED UNDER OTHER SECTIONS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT LANDSCAPE DESIGNER FOR INSTRUCTIONS PRIOR TO COMMENCING WORK.
5. EXACT LOCATIONS OF PLANT MATERIALS TO BE APPROVED BY THE LANDSCAPE DESIGNER IN THE FIELD PRIOR TO INSTALLATION. LANDSCAPE DESIGNER RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN FIELD.
6. CONTACT THE LOCAL UNDERGROUND UTILITY SERVICES FOR UTILITY LOCATION AND IDENTIFICATION.
7. PERFORM EXCAVATION IN THE VICINITY OF UNDERGROUND UTILITIES WITH CARE AND IF NECESSARY BY HAND. THE CONTRACTOR BEARSS FULL RESPONSIBILITY FOR THIS WORK AND EXCAVATION OR DAMAGE TO UTILITIES SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
8. TREES TO BE PLANTED A MINIMUM OF 4 FEET FROM PAVEMENT, EXCEPT AS APPROVED BY LANDSCAPE DESIGNER.
9. PROVIDE WATCHING FOREMS AND SIGES FOR PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
10. PRUNE NEWLY PLANTED TREES ONLY AS DIRECTED BY LANDSCAPE DESIGNER.
11. ALIGN AND EQUALLY SPACE TREES AND SHRUBS IN ALL DIRECTIONS SO DESIGNATED PER THESE NOTES AND DRAWINGS.
12. FINISH GRADES OF PLANTER AREAS SHALL BE 18 INCHES BELOW ADJACENT PAVING OR TOP OF HALL VALLS, UNLESS OTHERWISE NOTED.
13. REMOVE ENTIRE MUD CASE FROM ROOTBALL.
14. CUT AND REMOVE BURLAP FROM TOP 1/3 OF BALL.
15. LANDSCAPE DESIGNER TO REVIEW PLANT MATERIALS AT SOURCE OR BY PHOTOGRAPHS PRIOR TO DIGGING OR SHIPPING OF PLANT MATERIALS.



OPTIONAL STREET TREES:

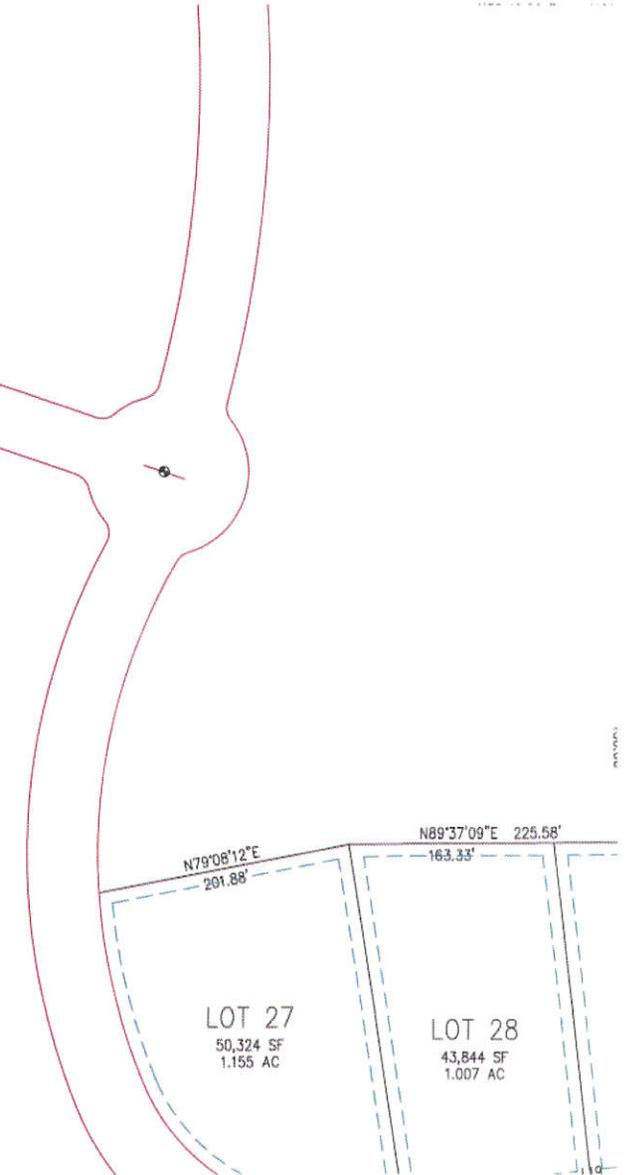
- AUTUMN BLAZE MAPLE: 50' X 40' AT MATURITY
- BIGTOOTH MAPLE: 50' X 5' AT MATURITY
- STATE STREET MAPLE: 50' X 25' AT MATURITY
- AUTUMN PURPLE ASH: 45' X 40' AT MATURITY
- PATHMORE ASH: 50' X 40' AT MATURITY
- SHADEMASTER HONEYLOCUST: 40' X 35'
- BRADFORD FLOWERING PEAR: 40' X 25' AT MATURITY
- CLEVELAND PEAR: 40' X 5' AT MATURITY
- CHANTICLEER PEAR: 35' X 5' AT MATURITY
- BUR OAK: 50' X 45' AT MATURITY

OPTIONAL OPEN SPACE TREES:

- AUTUMN BLAZE MAPLE: 50' X 40' AT MATURITY
- BIGTOOTH MAPLE: 50' X 5' AT MATURITY
- RIVER BIRCH: 40' X 35' AT MATURITY
- COMMON HACKBERRY: 40' X 50' AT MATURITY
- COLORADO BLUE SPRUCE: 30' X 25' AT MATURITY
- CANADA RED CHOKECHERRY: 25' X 20' AT MATURITY
- SHADEMASTER HONEYLOCUST: 45' X 25' AT MATURITY
- GLOBE WILLOW: 50' X 30' AT MATURITY
- WEEPING WILLOW: 50' X 30' AT MATURITY
- MOUNTAIN ASH VARIETIES: 25' X 30'
- SHARP WHITE OAK: 50' X 40' AT MATURITY
- BUR OAK: 50' X 45' AT MATURITY



OPEN SPACE 2
 170,769 SF
 3.920 AC



LOT 27
 50,324 SF
 1.155 AC

LOT 28
 43,844 SF
 1.007 AC