# CITY OF SOUTH JORDAN PLANNING COMMISSION MEETING AGENDA CITY HALL

TUESDAY, JANUARY 24, 2023 at 6:30 PM



Notice is hereby given that the South Jordan City Planning Commission will hold a Planning Commission Meeting on Tuesday, January 24, 2023, in the City Council Chambers, located at 1600 W. Towne Center Drive, South Jordan, Utah with an electronic option via Zoom phone and video conferencing. Persons with disabilities who may need assistance should contact the City Recorder at least 24 hours prior to this meeting.

In addition to in-person attendance, individuals may join via phone or video, using Zoom. Note, attendees joining virtually may make public comments through video conferencing, and participant must have their video on and working to speak. Attendees who wish to present photos or documents to the Planning Commission must attend in person. Those who join via phone may listen, but not comment.

In the event the electronic portion of the meeting is disrupted in any way that the City in its sole discretion deems inappropriate, the City reserves the right to immediately remove the individual(s) from the meeting and, if needed, end virtual access to the meeting. Reasons for removing an individual or ending virtual access to the meeting include but are not limited to the posting of offensive pictures, remarks, or making offensive statements, disrespectful statements, or actions, and other any action deemed inappropriate.

Ability to participate virtually is dependent on an individual's internet connection. To ensure comments are received regardless of technical issues, please have them submitted in writing to City Planner, Greg Schindler, at gschindler@sjc.utah.gov by 3:00 p.m. on the day of the meeting.

Instructions on how to join the meeting virtually are below.

# Join South Jordan Planning Commission Electronic Meeting January 24, 2023 at 6:30 p.m.

- Join on any device that has internet capability.
- Zoom link, Meeting ID and Meeting Password will be provided 24 hours prior to meeting start time.
- Zoom instructions are posted https://www.sjc.utah.gov/254/Planning-Commission
- A. WELCOME AND ROLL CALL Commission Chair Michele Hollist
- B. MOTION TO APPROVE AGENDA
- C. APPROVAL OF THE MINUTES
  - C.1. January 10, 2023, Planning Commission Meeting Minutes
- D. STAFF BUSINESS
- E. COMMENTS FROM PLANNING COMMISSION MEMBERS
- F. SUMMARY ACTION
- G. ACTION
- H. ADMINISTRATIVE PUBLIC HEARINGS

# H.1. SILVERSTONE AUTOMATION SITE PLAN

Address: 10096 South Jordan Gateway

File No: PLSPR202200232

Applicant: Joseph Milillo, MHTN Architects

# I. LEGISLATIVE PUBLIC HEARINGS

# I.1. D&D RESIDENTIAL/HATCH SUBDIVISION

Address: 10827 S. 1055 W. & 10828 S. 1055 W.

File No: PLZBA202200217

Applicant: Devan Hatch, D&D Residential Development, LLC

# J. OTHER BUSINESS

# **ADJOURNMENT**

# CERTIFICATE OF POSTING

STATE OF UTAH)

: §

COUNTY OF SALT LAKE)

I, Cindy Valdez, certify that I am the duly appointed City Deputy Recorder of South Jordan City, State of Utah, and that the foregoing Planning Commission Agenda was faxed or emailed to the media at least 24 hours prior to such meeting, specifically the Deseret News, Salt Lake Tribune and the South Valley Journal. The Agenda was also posted at City Hall, on the City's website <a href="https://www.sjc.utah.gov">www.sjc.utah.gov</a> and on the Utah Public Notice Website <a href="https://www.pmn.utah.gov">www.pmn.utah.gov</a>.

Dated this 19th day of January, 2023. Cindy Valdez South Jordan City Deputy Recorder

# CITY OF SOUTH JORDAN ELECTRONIC PLANNING COMMISSION MEETING COUNCIL CHAMBERS January 10, 2023

Present: Commissioner Michele Hollist, Commissioner Nathan Gedge, Commissioner

Trevor Darby, Commissioner Steven Catmull, Commissioner Laurel Bevans, Commissioner Aaron Starks, Assistant City Attorney Greg Simonsen, City Planner Greg Schindler, Deputy City Recorder Cindy Valdez, Deputy City Engineer Jeremy Nielson, GIS Coordinator Matt Jarman, Planner David Mann, Senior IS Tech Phill Brown, Meeting Transcriptionist Diana Baun, Planner

Miguel Aguilera

Others: Jerri Harwell

Absent:

6:30 P.M.

**REGULAR MEETING** 

# A. WELCOME AND ROLL CALL – Chair Michele Hollist

Commissioner Michele Hollist welcomed everyone to the Electronic Planning Commission Meeting.

# B. MOTION TO APPROVE AGENDA

Commissioner Gedge motioned to approve tonight's agenda as published. Commissioner Hollist seconded the motion; vote was unanimous in favor.

# C. APPROVAL OF THE MINUTES

**C.1.** December 13, 2022 Planning Commission Meeting Minutes

Commissioner Catmull motioned to approve the December 13, 2022 Planning Commission Meeting Minutes as published. Chair Hollist seconded the motion; vote was unanimous in favor.

# D. PLANNING COMMISSION BUSINESS

**D.1.** Elect Planning Commission Chair and Vice Chair for 2023

Commissioner Aaron Starks asked for more historic context on the position, nominations and how it works including the expectations.

Chair Michele Hollist explained the position is usually appointed for the year, revisited in January for reappointment. In the past they have operated with just a chair and vice chair, the chair runs the meetings and sometimes there is some communication with the mayor. As the chair she has attended a few City Council meetings to be able to brief the commission when things come up, but that is not technically a requirement. The Vice Chair fills in when the chair is not available, also helps run the meetings.

Commissioner Starks asked if the commissioners' duration of service is affected or dependent on the council member appointing them to the position.

Commissioner Nathan Gedge said their terms line up with their council member's term.

Chair Hollist said that while this is an election year for some of the council members, each current member of the commission is entitled to stay in their role through the remainder of the year.

Commissioner Gedge nominated Michele Hollist for the position of Planning Commission Chair. Commissioner Starks seconded that nomination; vote was unanimous in favor.

Commissioner Starks nominated Nathan Gedge for the position of Planning Commission Vice Chair. Commissioner Bevans seconded the nomination; vote was unanimous in favor.

**D.2.** Choose Planning Commission Representative to Architectural Review Committee.

Commissioner Laurel Bevans noted that she has time in the mornings to fulfill this role if Commissioner Steve Catmull is unable to continue on that committee.

Chair Hollist nominated Laurel Bevans as the Planning Commission Representative to the Architectural Review Committee. Commissioner Gedge seconded the nomination; vote was unanimous in favor.

# E. STAFF BUSINESS

Chair Michele Hollist congratulated GIS Coordinator Matt Jarman on his 15 years with the city, and thanked him for all he does.

City Planner Greg Schindler shared there is a new planner, who is in attendance tonight. His name is Miguel Aguilera and he started yesterday.

Assistant City Attorney Greg Simonsen noted the Meeting Transcriptionist was missing from the chambers and wanted to make sure that didn't cause any issues.

Staff informed him that she was on the Zoom meeting and attending online, so everything was good to go.

Planner Schindler brought up the previous discussion about opportunities for the commissioners to be on other committees and boards within the city. The council passed an ordinance in the past, stating that an individual can only serve on one appointed board or committee in the city at a time.

Commissioner Nathan Gedge asked about the commission nominating someone for the Architectural Review Committee (ARC), and how that is allowed.

Planner Schindler said that the ARC is not an official committee authorized by the city council, it was set up by the city manager years ago and that was never changed to allow the council members to make the appointments.

Commissioner Gedge asked about the commission having an informal representative or volunteer to be their representative to the city council.

Chair Michele Hollist noted that based on previous discussions, she believes the commission will rotate who attends based on availability rather than assigning a specific person. She then asked which commission members would be willing to be on that rotation to attend City Council meetings.

Commissioner Catmull was willing to take a turn, but he would be unable to attend on Tuesday nights. He would probably need to listen to the recording afterwards, but he is willing to do that and report back.

Chair Hollist asked how soon those recordings are available and staff responded that they are available the next day.

Commissioner Starks is willing to be an alternate, as he is traveling quite a bit during the next quarter.

Chair Hollist said she will create a draft for covering those meetings and they can discuss and make changes as needed once that's done.

Planner Schindler brought up the idea of a joint meeting with the city council, and that is scheduled for March 7, during the work session. That meeting will take up at least half of the work session, and he invited the commissioners to send any suggestions for discussion topics to staff, who will pass them on to the city council. He noted this will also be a training session.

# F. COMMENTS FROM PLANNING COMMISSION MEMBERS - None

# **G. ACTION** - None

# H. ADMINISTRATIVE PUBLIC HEARINGS

# H.1. SEGO LILY DAY SPA SITE PLAN APPLICATION

Address: 10418 S. Willow Valley Rd

File No.: PLSPR202100204

Applicant: Johan VanZeben Architecture

City Planner Greg Schindler reviewed background information from the Staff Report.

Commissioner Laurel Bevans asked if there were any comments back in April from the public, when this was originally presented.

Planner Schindler didn't believe so, he doesn't remember the previous planner mentioning any comments either.

Chair Hollist asked if the applicant was present this evening and invited them up to speak.

Garrett Goff (Applicant) – is with Garn Development, who also operates the Sego Lily Business. They have three locations, including Layton, Bountiful and Midvale. Part of the reason for the pause last April was due to labor. They looked at their other three locations and massage therapists were hard to come by, as was labor in general, and interest rates were doing what they were doing. They always knew they wanted to be in South Jordan because currently their flagship is in Midvale, specifically Fort Union. He grew up in the Sandy area, and many of them who grew up there and knew Sego Lily ended up in South Jordan, so they always knew they wanted to end up here because everyone knows what Sego Lily Day Spa is. The building is beautiful, the architect has done a phenomenal job designing it and you can see some of the contours and roundness of the building, actually trying to look like a flower blooming. There has been a lot of thought, care and detail that has gone into this over the last few years and they really think this would be their new flagship for their spa and they look forward to partnering with South Jordan City on this.

Commissioner Nathan Gedge asked for the general hours of operation.

Mr. Goff responded right now they are 9:00 to 7:00, Monday through Friday, and 9:00 to 9:00 on Saturday, closed on Sundays.

Commissioner Aaron Stark asked for details on the business model, whether it was subscription based and what kinds of services would be available.

Mr. Goff responded it is not subscription based. You go online and book a massage therapist for 60 or 90 minutes. They do the Vichy rubs, and are starting to look into

different medical device options like acupuncture; they have all the licensing required for that. They also do facials and pedicures.

Chair Hollist asked if staff reviews the services offered to make sure they all fall within what's allowed for personal services per city code.

Planner Schindler said that is done through the business licensing.

Chair Hollist asked to confirm that if they started doing something like tattooing, that would be reviewed to verify whether or not it needed a special permit.

David Mann shook his head to say no, as that is not a conditional use.

Commissioner Gedge noted that since they are offering additional medical services, he assumes that Fire has reviewed this to make sure there is appropriate emergency access in case of a complicated medical event.

Planner Schindler responded that yes, Fire reviews all the plans.

Chair Hollist opened the hearing for public comment. There were no comments and the hearing was closed.

Commissioner Gedge wanted to ensure that former employee emails and voicemails are being directed to new staff in the future.

Commissioner Darby motioned to approve the Site Plan Application with File No. PLSPR202100204 at the address listed above. Chair Hollist seconded the motion. Roll Call Vote was 6-0, unanimous in favor.

# I. LEGISLATIVE PUBLIC HEARINGS

**I.1.** Moderate Income Housing Plan Amendment, General Plan Amendment

Planner David Mann reviewed background information from the Staff Report.

Chair Michele Hollist asked to confirm that the city's report required more detail in the timeline associated with rolling the chosen menu items out.

Planner Mann said yes, the initial plan approved in 2019 included the necessary strategies. They have updated the language to reflect the new language approved last year, but they also wanted more details for each strategy as far as the timeline and implementation steps set to take place in the future.

Commissioner Nathan Gedge knows the legislative session doesn't begin until next week, but he asked if staff is anticipating any more amendments that will require more changes on the city's end in the future.

Planner Mann said this requirement was part of HB 462, from last year's legislative session. These changes need to be submitted in the next month or two in order to still meet those requirements.

Commissioner Gedge asked if there are any penalties for failure to submit.

Planner Mann responded that to be prioritized for funding for roads and transportation, this needs to be in place.

Commissioner Laurel Bevans asked about the Jordan Gateway Transit Corridor, and specifically which part of the city that encompasses.

Planner Mann said that came after the general plan was approved in 2020, working with a consultant to create two sub area plans. One of those was the frontrunner station area, as well as the area around the business park by Mulligans, and that's where this was referencing.

Commissioner Bevans asked if the River Bottoms area was included in this.

Planner Mann responded yes.

Commissioner Bevans noted that on Page 5 it talks about the moderate income housing set aside, along with the programs available. How would a member of the public find those programs now, and are any still active.

Planner Mann said there was some funding available last year through the Covid time period for the CDBG program and the federal government, along with some county run programs. The city tried to create and run their own down payment assistance program, but they have been unsuccessful in figuring that out. He believes there are still some options with the county.

Commissioner Bevans noted that the Daybreak ADU standards have historically been different than the regular city standards, and asked if that was still correct.

Planner Mann responded that is correct.

Commissioner Bevans asked for details on the ADU standards in Daybreak, whether it's the HOA that disallows it or the city.

Planner Schindler said it's not necessarily Daybreak, but that city code states what zones ADUs are allowed in; the PC zone is not one of those zones. Over time, the city has been working with Daybreak in bringing the PC zone to the code section. However, Daybreak has reservations around that because the development agreement limits the number of

housing units to 20,785. They would have to open up the development agreement to make changes and specify what ADUs would count as additional units, and the developer doesn't necessarily want to open up the MDA because they like how it's written currently. They are allowed in the MDA to have ancillary units, and he explained a little bit about what those are.

Chair Hollist opened the hearing for public comment.

Assistant City Attorney Greg Simonsen quoted from Page 3, "The city's continuing discussions with the Daybreak developer regarding the development of Downtown Daybreak led to the city and Daybreak developer drafting an application for a Housing and Transit Reinvestment Zone. If approved, the Downtown Daybreak HTRZ will jumpstart the development of more than 100 acres in the Downton Daybreak, which is situated along one future and two existing TRAX stations. Among other things, the HTRZ proposes more than 4700 residential units with more than 10% of those units being affordable." To him, as a citizen, there are two huge things going on in the city right now. The first is the one he just read, that 4700 residential units within a 100 acre area, probably means densities never seen in the city before. Based on what he has been hearing, without sitting in on the meetings, these talks have been going on for a long time now with the mayor, the city council and so forth. Back in 2008 he was on the UTA Board and one of the things they did as a board was travel down to Dallas. They got on their Dallas Area Rapid Transit and went up and down the line, getting out at stops and looking at the development along the way. That development was very high density, but it was really nice. If that's the kind of lifestyle someone would enjoy with nice places and rapid transit close by, mixed use shops with everything within walking distance, he thinks that is what they are trying to plan out there with entertainment and speculative talk of a ballpark. He thinks that will all be coming at some point before the planning commission, and there will obviously have to be zoning changes for that to happen. If it's 10% of 4700 residential units that are affordable, that's close to 500 affordable residential units. The other big thing that everyone has probably seen from the recent city council meeting is that there has been an annexation application submitted by Kennecott Copper to annex more than 2000 acres into the city, which is historic and will be carefully managed. They are talking about doing another Daybreak type development as part of that, so for anybody that has liked the Daybreak development or thought there should be some things different, now is the time to give input to the legislative body.

Chair Hollist asked about the HTRZ and whether that money will come from the RDA funds, and if it will be deed restricted.

Attorney Simonsen said that a significant amount of the money, as he understands it, is set to be RDA money, which comes from tax increment money. It comes out of property tax that would otherwise go to other entities within the city including schools. The idea behind it, to his understanding, is that it will jump start everything and then on the back end it would be more than recouped as part of the development process and sale taxes along with other money. If anyone wanted more information on that he encouraged them to contact the city's Director of Commerce Brian Preece, as he is the expert on all of that.

Commissioner Bevans asked about the developments coming in closer to the transit centers, and the discussions regarding reducing or eliminating parking requirements for those locations. Are there going to be requirements for the developers to provide incentives for residents to utilize the public transit systems, and how close do they have to be to these transit hubs to qualify for some of those reduced parking requirements.

Planner Schindler said that currently in Daybreak if they are within a quarter mile they can reduce the parking spaces for residential by one space per unit.

Chair Hollist noted that she understands the theory, but doesn't believe it's reality. In her opinion, every adult regardless of how close they live to transit in Utah has a car.

Planner Schindler said that's probably true because the adults not only need to get to work, which they can ride transit to, but they also need to get to the grocery store, school, etc.

Chair Bevans asked if we have ever required developers to provide incentives or special access to incentivize their residents to use the public transit systems.

Planner Schindler doesn't believe the city has. He thinks the apartment units near the Frontrunner station might be offering their tenants UTA passes as part of their rent, but they would probably be paying for that through their rent.

Commissioner Trevor Darby asked if anyone knew the number of households in South Jordan. He looked it up and believes it's about 24,000 and asked if that sounded correct.

Planner Schindler said he believes it's closer to 29,000.

Commissioner Darby noted that we are talking about a 16% to 17% increase to the total city with those 4700 units in that area.

Planner Schindler noted that Daybreak still can't go over the 20,785 units. Generally, with the expected densities, these will be condominiums or apartment units, and those tend to have smaller household sizes.

Chair Hollist closed the hearing.

Commissioner Gedge moved to make a positive recommendation to the City Council to adopt the amendments above based on their review tonight. Chair Hollist seconded the motion. Roll Call Vote was 6-0, unanimous in favor.

# J. OTHER BUSINESS

Commissioner Aaron Starks said he hasn't been receiving any emails since starting, so he doesn't get staff reports and recommendations ahead of the meetings. He would love to get that information in advance if it is being sent out to the other commissioners. Staff agreed to discuss

it after the meeting and figure out what's going on. He said he has contacted IT to get his city email set up, but was having some issues.

Commissioner Nathan Gedge brought up the annexation that has been proposed, and it was mentioned tonight that it might have a development agreement with, he assumes, a PC Zone. He asked if that will come before the commission, and if there will be a public hearing before the city council adopts anything.

City Planner Schindler said there probably won't be a lot of input on the development agreement, but there will be public hearings because it will have to be rezoned and will need a land use amendment. Both the rezone and land use amendment would come before the planning commission. Also, because of the location of this annexation, if Rio Tinto decides to develop more of their property in the future, especially to the north of this, it is all adjacent to South Jordan City as well. What is being proposed for annexation right now could have been annexed as part of Herriman's annexation plan, but Rio Tinto determined that South Jordan was the place to be.

Chair Hollist noted that it's good to be involved in the process early, to avoid issues later on in development after all those decisions have been made.

Commissioner Gedge added that with that he would like to see the planning commission leave some guidance for residents of the process and the thinking behind the decisions. If it is allowed, he would like to see this annexation as an item on the March 7 meeting agenda.

Planner Schindler confirmed that the zoning for that area will be the PC Zone.

Commissioner Laurel Bevans asked if staff knew which council district that area touches.

GIS Coordinator Matt Jarman answered that will be part of District 4, as all of the annexed area shares a boundary with District 4 currently and that is where it will be incorporated. None of the annexation area currently has any residents in it, which makes that process a lot easier. They have taken the first step in the annexation process with receiving the annexation and approving it, however it has to go through several hands and processes, up through the Lieutenant Governor, before it becomes recorded and officially part of the city. That will take a significant amount of time, and he doesn't think they will be looking at zoning or land use for a few months at least.

Commissioner Gedge asked if there have been any conversations with our neighbors, like Herriman, regarding whether they will be opposing this at any level.

Planner Schindler said there isn't much they can do to oppose it since there is no population in the area to oppose it, and the property owner is the one who decides where they want to annex. They are proposing to annex a small portion into Herriman that is actually south of 11800 South and east of Bacchus Highway.

Coordinator Jarman said there have been numerous discussions with Herriman City regarding this annexation, and some concessions were made regarding future street alignments and things of that nature.

Commissioner Gedge asked if fire and police access will be impacted for the rest of the city because of this, and if so he assumes the city will dedicate additional resources so that those residents on the eastern side of South Jordan will not be negatively impacted by the addition.

Coordinator Jarman said they are discussing future station locations and future streets right now.

Planner Schindler said no one will be affected by a station closing, but everyone in the city is impacted when a new station is built as the entire city pays as growth continues.

Commissioner Gedge asked about the next meeting and what the agenda looks like.

Planner Mann said there are three items on the agenda for the next meeting.

# **ADJOURNMENT**

Chair Hollist motioned to adjourn the January 10, 2023 Planning Commission Meeting. Commissioner Bevans seconded the motion; vote was unanimous in favor.

The January 10, 2023 Planning Commission Meeting adjourned at 7:33 p.m.

Meeting Date: 01/24/2023

# SOUTH JORDAN CITY PLANNING COMMISSION REPORT

Issue: SILVERSTONE AUTOMATION

SITE PLAN

**Address:** 10096 South Jordan Gateway

**File No: PLSPR202200232** 

**Applicant:** Joseph Milillo, MHTN Architects

Submitted by: Damir Drozdek, Planner III

**Shane Greenwood, Supervising Senior Engineer** 

**Staff Recommendation (Motion Ready):** I move that the Planning Commission **approve** application PLSPR202200232 to allow for construction of a new commercial building on property located at 10096 South Jordan Gateway.

# **STANDARD OF REVIEW:**

All proposed commercial, office, industrial, multi-family dwelling or institutional developments and alterations to existing developments shall meet the site plan review requirements outlined in chapter 16.24 and the requirements of the individual zone in which a development is proposed. All provisions of titles 16 & 17 of the City Code, and other city requirements, shall be met in preparing site plan applications and in designing and constructing the development. The Planning Commission shall receive public comment regarding the site plan and shall approve, approve with conditions or deny the site plan.

# **BACKGROUND:**

The proposed project is located at 10096 South Jordan Gateway. The building will be used to design, test and build custom automation machines that will primarily cater to medical manufacturing companies.

The project was originally approved on August 25, 2020. As per City Code, the approval remains in effect for one year unless building construction has begun. An extension of the approval was granted on August 16<sup>th</sup> of 2021 allowing the applicant another year to start construction. Due to Covid and other related issues, construction on the building has not taken place for two years since the project approval.

Since the extension is now expired, the applicant must apply and obtain a site plan approval from the Planning Commission once again. Once approved, the applicant will be able to apply and obtain a building permit to begin construction.

# **STAFF FINDINGS, CONCLUSIONS & RECOMMENDATION:**

# **Findings:**

- The original application was approved August 25, 2020 and the approval has since expired.
- The only changes made to the plans pertain to building elevations and the landscape plans.

# **Conclusion:**

• The original approval as well as the proposed changes meet or exceed the City Code requirements.

# **Recommendation:**

• Based on the Findings and Conclusions listed above, Staff recommends that the Planning Commission take comments at the public hearing and **approve** the Application, unless, during the hearing, facts are presented that contradict these findings or new facts are presented, either of which would warrant further investigation by Staff.

# **ALTERNATIVES:**

- Approve an amended Application.
- Deny the Application.
- Schedule the Application for a decision at some future date.

# **SUPPORT MATERIALS:**

- Letter from the Applicant
- New Building Elevations
- City Engineer Approved Drawings New
- Original Staff Report
- PC Meeting Minutes
- Extension Letter

Damir Drozdek, AICP Planner III, Planning Department

December 22, 2022

# City of South Jordon Planning Commission

Dear Commissioners,

After a couple of tough COVID years, Holdings10 would like to revive the build of the Silverstone Building at 10096 South Jordan Gateway. You're aware that a number of factors made construction difficult during those years.

For Holdings10, the factors that stopped the process included:

- Scarcity of building materials which resulted in wildly increasing and unpredictable costs and unknown delivery times. For example, trusses were out a year which meant that the construction would be partially done and then the process idled.
- The appraisal did not align with the quickly escalating construction costs. Building sale prices prior to COVID were significantly less than the present-day costs to construct that same building. This negatively affect the loan process.
- Unknown construction labor pool during the pandemic. Possible labor interruptions seemed likely to delay the project completion.

Due to the risks associated with the above factors, Holdings10 chose to wait for the pandemic and construction climate to settle.

Silverstone's business has been steady and still needs the additional space provided by the new building. The original reasons to build the building are still clearly present for Silverstone.

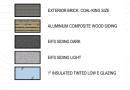
Regards, Leonard Di Sera and Corey Bodily Holdings10



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08-330



LEGEND - EXTERIOR ELEVATION

EXTERIOR ELEVATIONS GENERAL NOTES Item H.1. Lighting: Coordinate wall and soffit mounted lighting locations with Electrical drawings and with the Architect prior to rough-in.



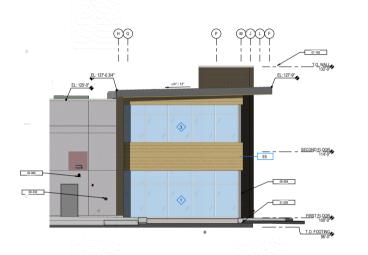
SECOND FLOOR

10096 S. JORDAN GATEWAY SOUTH JORDAN CITY, UT 84095 HOLDINGS 10 LLC

CONSTRUCTION DOCUMENTS

EXTERIOR **ELEVATIONS** 

A200



SOUTH ELEVATION ANGLED

SCALE: 3/16" = 1'-0"



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EAST ELEVATION **E**1 SCALE: 3/16" = 1'-0"

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APPROVED EQUAL
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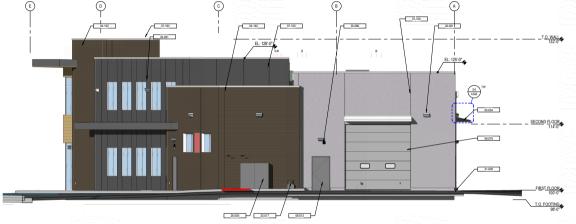
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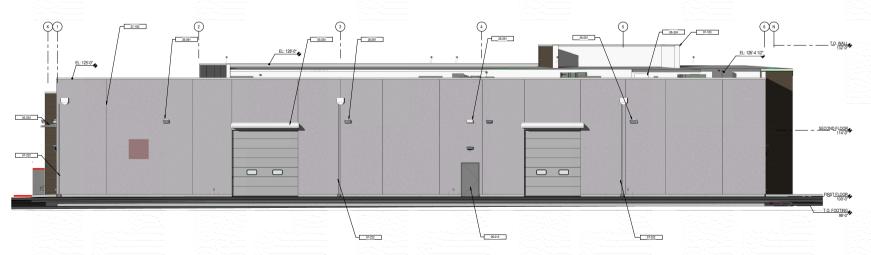
**Lighting:** Coordinate wall and soffit mounted lighting locations with Electrical drawings and with the Architect prior to rough-in.

EXTERIOR ELEVATIONS GENERAL NOTES

νт Item H.1.



C2 NOK I TL NORTH ELEVATION



WEST ELEVATION

SILVERSTONE AUTOMATION 10096 S. JORDAN GATEWAY SOUTH JORDAN CITY, UT 84095 HOLDINGS 10 LLC



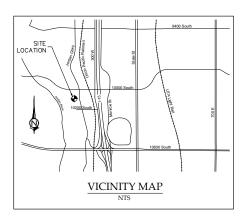
CONSTRUCTION DOCUMENTS

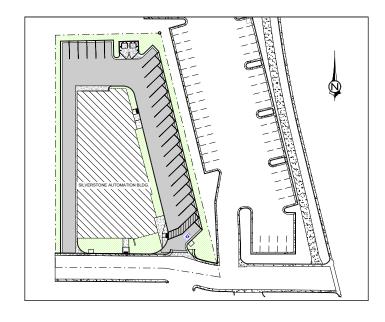
EXTERIOR **ELEVATIONS** 

A201

# SILVERSTONE AUTOMATION BUILDING

LOCATED IN SW 1/4 OF SECTION 12, TOWNSHIP 3 SOUTH, RANGE 1 WEST, SALT LAKE BASE AND MERIDIAN 10096 S 460 W, SOUTH JORDAN, UTAH





SHEET INDEX							
SHEET	# TITLE						
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GN	2	NOTES					
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SP2	4	SITE AND UTILITY PLAN					
GP	5	GRADING PLAN					
DT1	6	DETAILS					
DT2	7	DETAILS					
DT3	8	DETAILS					

## PROJECT CONTACTS

### LOCAL GOVERNMENT

SOUTH JORDAN CITY PLANNING & ZONING 1600 W. TOWNE CENTER DR. SOUTH IORDAN, UTAH 84095 PHONE: 801-254-3742

### SEWER

SOUTH VALLEY SEWER DISTRICT 1253 W. JORDAN BASIN LN. BLUFFDALE, UTAH 84065 PHONE: 801-571-1166

### WATER

SOUTH JORDAN CITY PUBLIC WORKS 10996 S. REDWOOD RD. SOUTH JORDAN, UT 84095 PHONE: 801-253-5230

### FIRE DEPARTMENT

SOUTH JORDAN CITY FIRE DEPARTMENT 1600 W. TOWNE CENTER DR. SOUTH JORDAN, UTAH 84095 PHONE: 801-254-3742

# **OWNER**

SILVERSTONE AUTOMATION 14621 S. 800 W., Suite 200 BLUFFDALE, UTAH 84065 PHONE: 801-619-0803

## **ARCHITECT**

MHTN ARCHITECTS 420 E. SOUTH TEMPLE #100 SALT LAKE CITY, UTAH 84111 PHONE: 801-595-6700

### **ENGINEER**



City Engineer City of South Jordan Approved 01/10/2023 City Engineer





SILVERSTONE AUTOMATION BUILDING SOUTH JORDAN, UT

COVER SHEET

### SOUTH JORDAN CITY GENERAL NOTES

- 1. ALL WORK DONE OR IMPROVEMENTS INSTALLED WITHIN SQUITH JORDAN CITY INCLIDING BUT NOT LIMITED TO EXCAVATION, CONSTRUCTION, ROADWORK AND UTLITIES SHALL CONFORM TO THE SQUITH JORDAN CITY CONSTRUCTION STANDARDS NOS SPECIFICATIONS, CITY MUNICIPAL COCE, THE LATEST EDITION OF THE APPIA MUNILL OF STANDARD SPECIFICATIONS OF MUNICIPAL COST STANDARD PLANS, THE LATEST EDITION OF THE MANULL ON UNFECTION TRAFFIC CONTROL DEVICES (MUTCO) AND ANY STATE OR FEDERA REGULATIONS AND PERMIT REQUIREMENTS OF VARIOUS COVERNING DOISES. THE CONTRACTOR IS RESPONSIBLE TO HAVE A COPY OF THRESE SPECIFICATIONS AND TO KNOWN AND CONFORM TO THE APPROPRIATE COOCES, REQUIRED TO HAVE A COPY OF THRESE SPECIFICATIONS AND TO KNOWN AND CONFORM TO THE APPROPRIATE COOCES. REQUIRED TOSS.
- 2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LISES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE GRAYINED BY A RESEARCH OF THE AVAILABLE RECORDS. SUSTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE PROTECTION OF UTILITIES AND THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILIES NOT SHOWN ON THE PLANS OR TON IT THE LOCATION SHOWN ON THE PLANS THIS INCLUDES ALL SERVICE LATERALS OF ANY KIND. THE CONTRACTOR SHALL AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD OF IMPREFERENCES, WHICH MAY AFFECT HAS OPERATION DURING CONSTRUCTION AND SHALL THE ALL RESESSION? PRECUITIONS TO A VIOLE DIMAGE TO SMALL OF EXTRACTION OF CONTRACTOR AND SHALL THE CONTRACTOR SHALL SHALL SHALL AND SHALL SH
- 3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT ENSITING UTILITY LINES, STRUCTURES, SURVEY MONUMENTS AND STREET IMPROVEMENTS WHICH ARE TO REBAIN IN PLACE FROM DIAMACE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPARED OR REPLACED SATISFACTORY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.
- ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.
- PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS
  REQUIRED FOR THIS CONSTRUCTION.
- 6. CURB. GUTTER. AND SIDEWALK. FOUND TO BE UNACCEPTABLE PER CITY STANDARDS AND APWA SHALL BE REMOVED AND REPLACED.
- CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF TRANSITIONS TO BE AS SHOWN ON PLANS.
- 8. ANY SURVEY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER SALT LAKE COUNTY SURVEYORS REQUIREMENTS.
- 9. ALL PRIVACY INJLES, NEW OR EXISTING, ARE COLLY SHOWN ON COIL PLANS FOR THE PURPOSE OF REMEMBING GRADING RELATIONSHEPS FLOOD CONTROL AND SHOT DISTANCE AT INTERFECTIONS, ALL VALUES, SHALL HAVE A BINNMAM 25 x 2 x 3 x 30 x 100. DEEP SPOT FOOTINGS BOTTOM OF ALL FOOTINGS ON ALL WALLS SHALL BE A BINNMAM OF 30 INCHES BELOW FINISHED GRADE. WALL SIGRAFER THAN SPEET EXQUIRE ASSERBATE PERPHY AND INSECTION BY THE BULDING DEPARTMENT.
- ALL CONSTRUCTION MATERIALS PER APWA MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.
- 11. REQUEST FOR INSPECTION BY THE CITY OF SOUTH JORDAN ENGINEERING DEPT. SHALL BE MADE BY THE CONTRACTOR AT LEAST 48 HOURS BEFORE THE INSPECTION SERVICES WILL BE REQUIRED, EXCEPT IN AN EMERGENCY AS DEFINED BY THE SOUTH JORDAN CITY MUNICIPAL CODE \$ 12.08.10.
- WORK IN PUBLIC WAY, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.
- 13. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION.
- 14. POWER POLES AND/OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO THE CITY OF SOUTH JORDAN, POWER LINES AND ALL OTHER AERIAL UTILITIES ARE TO BE BURIED AND POLES REMOVED AS DETERMINED BY THE CITY ENGINEER.
- 15. CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR-TENTHS OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING, EACH JOINT SHALL BE CHECKED FOR A GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCT
- 16. CONTRACTOR TO FOLLOW SALT LAKE COUNTY NOISE ORDINANCE STANDARDS
- 7. CONTRACTORS ARE RESPONSIBLE FOR ALL OSHA REQUIREMENTS ON THE PROJECT SIT
- A UPDES (UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM) PERMIT IS REQUIRED FOR ALL CONSTRUCTION ACTIVITIES AS PER STATE LAW AS WELL AS PROVIDING A STORM WATER POLLUTION PREVENTION PLAN TO THE CITY.
- DEVELOPER IS RESPONSIBLE FOR LOCATING AND REPAIRING ALL UNDERGROUND STREETLIGHT WIRES, WATER LINES, STORM DRAIN LINES AND IRRIGATION LINES UNTIL 90% OF THE BOND HAS BEEN RELEASED.
- 20. ALL CITY MAINTAINED UTILITIES INCLUDING; WATERLINE, FIRE HYDRANTS, STREETLIGHT WIRING, AND STORM DRAIN MUST BE IN PUBLIC RIGHT OF WAY OR IN RECORDED EASEMENTS.
- 21. CONTRACTOR SHALL WORK SOLITH JORGAN CITY REGULAR WORKING HOURS OF MORDAY THROUGH FRIDAY. IF CONTRACTOR FERMING WORK OF A STATURAL SANDAY OF ANY LEGAL HOLDON, CONTRACTOR SHALL RECEIVE RORA APPROVA BY CITY ENGINEER. CONTRACTOR SHALL GRITAIN ALL PERMITS AND PAY DURTHIME WISPECTION FEES TO THE CITY OF SOUTH JORGAN ON THE THURSDAY PRIOR TO THE ASTURDAY SUNDAY ON LEGAL HOLDON ON THE THURSDAY PRIOR TO THE ASTURDAY SUNDAY ON LEGAL HOLDON FEED STATURDAY SUNDAY.
- 22. PRIOR TO 9/N, BOND RELEASE, A LEGIBLE A SHULT DRAWING WILST BE SUBMITTED TO THE CITY OF SOUTH JORGAN STAMEDS AND SIGNED BY A PROFESSIONAL BEINGER AS BUILDT MINS TSOWN ALL CHAMBES AND ACTUAL FIELD LOCATIONS OF STORM DRAWAGE. WATER LINES, RRIGATION, STREET LIGHTING, AND POWER A SBULTS WILL BE HELD TO THE SMIE STRADARD AS APPROVED DESIGN DRAWINGS ON FEELINED PLANS ALLOWED. IN THE ASSENCE OF CHAMBES, SON FEELINED PLANS WILL BE REQUIRED STATING "INSTALLED AS PER DRAWINGS," AS BULL TO TRAWINGS FOR NEW DEVELOPMENTS SHALL BE SUBMITTED TO THE CITY IN THE FOLLOWING FORMAT AND QUIANTIES PROPOR TO THE 9/NS DONE BELEASE. 1 do 1009Y1, just COPY.
- FILTER FABRIC WRAPPED AROUND AN INLET GRATE IS NOT AN ACCEPTABLE INLET SEDIMENT BARRIER. SEE CHAPTER 9 OF SOUTH JORDAN CITY CONSTRUCTION STANDARDS AND SPECIFICATIONS FOR DETAILS OF APPROVED STORM WATER BMPs.
- 24. ASPHALT PAVING BETWEEN OCTOBER 15 AND MARCH 15 IS NOT ALLOWED WITHOUT A WRITTEN EXCEPTION FROM THE ENGINEERING DEPARTMENT.
- 25. NO MORE THAN 15 PERCENT RAP (RECLAIMED ASPHALT PAVEMENT) BY WEIGHT WILL BE ALLOWED IN THE ASPHALT MIX DESIGN FOR THE PAVING OF PUBLIC AND PRIVATE STREETS. UP TO THE 15 PERCENT WILL BE ALLOWED WITH NO CHANGE IN THE SPECIFIED BINDER GRADE.
- 28. TO ENSURE PROPER PLANTING, PROTECTION AND IRRIGATION OF TREES, MITIGATING RISK OF TREE FAILURE OR FUTURE DAMAGE TO INFRASTRUCTURE, CONTRACTORS ARE REQUIRED TO FOLLOW THE STANDARDS AND SPECIFICATIONS OF THE ISA – INTERNATIONAL SOCIETY OF ARBORICULTURE.
- 27. ALL SMALL CELL CONSTRUCTION MUST FOLLOW THE SOUTH JORDAN CITY SMALL CELL INFRASTRUCTURE DESIGN GUIDELINES.

### CITY OF SOUTH JORDAN TRAFFIC NOTES

- WHEN A DESIGNATED "SAFE ROUTE TO SCHOOL" IS ENCROACHED UPON BY A CONSTRUCTION WORK ZONE THE SAFE ROUTE SHALL BE MAINTAINED IN A MANNER ACCEPTABLE TO SOUTH JORDAN CITY AND THE JORDAN SCHOOL DISTRICT.
- IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CITY ENGINEER, PUBLIC VORKES DIRECTOR OR DESIGNEE.
- THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND BLOCK NUMBERING FROM THE PLANNING DEPARTMENT PRIOR TO CONSTRUCTION.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL PERMANENT SIGNS SHOWN ON THE PLANS STREET NAME SIGNS SHALL CONFORM IN THEIR ENTRETY TO CURRENT CTY STANDARDS, ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POSTS SHALL BE INSTALLED IN ACCORDANCE WITH THE CURRENT CITY STANDARDS.
- 5. ALL PERMANENT TRAFFIC CONTROL DEVISES CALLED FOR NETRON SYALL BE IN PACE AND IN FINAL POSITION PROOF TO ALLOWING ANY PUBBLE OTRAFFIC CONTROL FORTON OF THE FORTONS OF THE ROAD(S) BEING IMPROVED HERELANDER RESARCLESS OF THE STATUS OF COMPLETION OF PANNO OF OTHER OFF-SITE IMPROVEMENTS CALLED FOR PER PAPROVED CONSTRUCTION DRAWNINGS UNLESS APPROVED BY THE CITY ENGINEERS.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTAH TRANSIT AUTHORITY (UTA) IF THE CONSTRUCTION INTERRUPTS OR RELOCATES A BUS STOP OR HAS AN ADVERSE EFFECT ON BUS SERVICE ON THAT STREET TO ARRANGE FOR TEMPORARY RELOCATION OF STOP.
- 7. BEFORE ANY WORK IS STATED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARRING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY FOR SIGNS AT ALL MEN STREET EXCOOL-CHEMENTS INTO EXISTING PUBLIC STREETS. ALL CONSTRUCTION SIGNING, BARRICADING, AND TRAFFIC DELINEATION SHALL COMPORN TO THE THE CONTRACT OF TH
- ALL SIGNS LARGER THAN 36" x 36" OR 1296 SQUARE INCHES PER SIGN POLE SHALL BE MOUNTED ON A SLIP BASE SYSTEM PER UDOT STANDARD DRAWING SN 10B (DETAIL DRAWING ATTACHED TO STANDARD DRAWINGS) WITH A "Z" BAR BACKING. SIGNS OF THIS SIZE ARE NOT ALLOWED TO BE MOUNTED ON A YELDING POLE.
- SIGN COMPONENTS SUCH AS SHEETING, EC FILM, INKS, LETTERS AND BORDERS ARE ALL REQUIRED TO BE FROM THE SAME MANUFACTURER, ONLY EC FILM MAY BE USED TO ACHIEVE COLOR. VINYL EC FILM IS NOT ACCEPTED.
- 10. ALL NEW ROUNDABOUTS, CROSSWALKS, STOP BARS AND LEGENDS SHALL BE INSTALLED WITH 90 MIL PREFORMED THERMO PLASTIC.
- 11. PAVING ASPHALT BINDER GRADE SHALL BE PG 64-22 UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- 12. ASPHALT AGGREGATE SIZE SHALL BE ½ INCH FOR RESIDENTIAL ROADS AND ½ INCH FOR COLLECTOR ROADS
- 13. POTHOLING: ALL POTHOLES MUST BE SAW CUT SQUARE AND HAVE A MINIMAM SIZE OF 1 SQUARE FOOT. WHEN REPARING A POTHOLE, SAND OR PEAG GRAVEL MEETING SOUTH JORDAN CHTY STRANDAGS SHALL BE PLACED OVER THE DEPOSED UTILITY TO A DEPTH OF 8 MOHES, POLLOWING THE AGRAVEL WILL BE FLOWBRIE FILL UP TO 1 MOH BELOW THE BOTTOM EDGE OF THE EXISTING AGRAVIL. THE REMAINING POTHON OF THE POLCE SHALL BE FLIED WITH A POPULT, WHICH WILL HAVE AN OFFERLING.
- 14. ALL FILL WITHIN THE PUBLIC RIGHT OF WAY SHALL BE A-1-A TO A-3, WITH THE EXCEPTION OF TOP SOIL IN THE PARK STRIP FOR EXANSSARIAN AND TRENCH BACKFILL MERCHEN MCKEFLL MATERIAL UNDER PAYMEMENTS OR SUFFACE IMPROVEMENTS SHALL BE CLEAN, NONCLUMPING, GRANULAR AND FLOWABLE, 2' MINUS, A-1-A TO A-2-7 SOILS ACCORDING TO AGSHTO 145 SOIL CLASSIFICATION SYSTEM. LIBER TERRATED FLOWABLE FLILS, IF APPROVED, SHALL LIVAR A-2-2 OND STRENCH OF 65 PSI.
- 15. ALL TRAFFIC ROAD CLOSURES INVOLVING 1 OR MORE LANES OF TRAFFIC MUST RECEIVE PRIOR APPROVAL FROM THE CITY ENGINEER OR HISHER REFRESENTATIVE. POMS BOARDS MUST BE PLACED A MINIMUM OF 7 DAYS IN ADVANCE OF ANY LANE CLOSURE UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.

### CITY OF SOUTH JORDAN STREET LIGHT NOTES

ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT SOUTH JORDAN CITY STANDARDS AND N.E.C, RATIONAL ELECTRIC CODE), A STREET LIGHT FAM SHOWING WISHON LOCATION, WINNEY TRY, UNITAGE, PURPER SOURCE LOCATION, CONDUIT SEE AND LOCATION SHALL BE SUBBITED TO THE CITY OF SOUTH JORDAN AND BE APPROVED PROR TO CONSTRUCTION, NO DEVALTION OF STREETLIGHT, PURP LOCATE, ONCE A SHALL BE PRINTED WITHOUT PROF WATER LARGE MEDICAL FROM THE CITY.

AN ELECTRONIC COPY OF THE STREET LIGHT REDLINES, SHOWING THE SAME ITEMS LISTED ABOVE FOR THE STREET LIGHT PLAN, SHALL BE SUBMITTED TO THE SOUTH JORDAN CITY ENGINEERING DEPARTMENT AFTER THE STREET LIGHTS HAVE BEEN INSTALLED BUT PRIOR TO THEM BEING CONNECTED BY ROCKY MOUNTAN POWER.

- 1 LOCATION OF THE STREET LIGHT POLE
- A. SHALL NOT BE INSTALLED WITHIN 5 FEET OF A FIRE HYDRANT. THE LOCATION SHALL BE SUCH THAT IT DOES NOT HINDER THE OPERATION OF THE FIRE HYDRANT AND WATER LINE OPERATION VALVES.
- B. SHALL BE A MINIMUM OF 5 FEET FROM ANY TREE, UNLESS WRITTEN APPROVAL IS RECEIVED FROM THE CITY ENGINEER. BRANCHES MAY NEED TO BE PRUNED AS DETERMINED BY THE ENGINEERING INSPECTOR IN THE FIELD AT THE TIME OF INSTALLATION.
- C. SHALL NOT BE INSTALLED WITHIN 5 FEET FROM THE EDGE OF ANY DRIVEWAY.
- 2. ANTI-SEIZE LUBRICANT SHALL BE USED ON ALL COVER BOLTS AND GROUND BOX BOLTS.
- 3. ALL EXISTING STREET LIGHTING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION.
- ANY STRUCTURE SUCH AS BLOCK WALLS, CHAIN LINK FENCES, RETAINING WALLS, ETC. SHALL LEAVE A MINIMUM OF EIGHTEEN (18)
  INCHES TO THE FACE OF THE STREET LIGHT POLE ON ALL SIDES.
- 5. ALL SERVICE POINTING SHALL BE COORDINATED WITH PROCEY MICHATIAN POWER AND WHENEVER POSSIBLE BE LOCATED BEAR THE CENTER OF THE CIRCUIT SERVICE POINTING SHALL BE SHOWN ON THE PLANS WITH A SCHEMANTE FROM ENCOY MOUNTAIN POWER POLE LOCATIONS AS SHOWN ON THE APPROVED PLANS MAY BE ADJUSTED IN THE FELD BY THE ENGINEERING INSPECTOR AT TIME OF INSTILLATION AT NO ADDITIONAL COST TO THE CITY.
- IT SHALL BE REQUIRED THAT IN THE ABSENCE OF AN EXISTING WORKABLE CIRCUIT TO ATTACH TO, THAT ALL INSTALLATIONS SHALL REQUIRE A NEW SERVICE FOR OPERATION OF THE CIRCUITS IN THIS CASE DEVELOPER AND OR HIS ENGINEER SHALL CONTACT ROCKY MOUNTAIN POWER.
- WHEREVER THERE IS AN OVERHEAD UTILITY THAT MAY CONFLICT WITH THE INSTALLATION OF THE STREET LIGHT DIRECUITS AND/OR
  STREETLIGHT POLES. THOSE CONFLICTS MUST SE RESOLVED BETWEEN THE DEVELOPER AND THE UTILITIES INVOLVED BEFORE
  STREET LIGHT BASES ARE CONSTRUCTED AT NO EXPENSE TO THE CITY OF SOUTH JORGAN OR ROCKY MOUNTAIN POWER. THE
  RESOLUTION MUST SE APPROVED BY THE CITY OF SOUTH JORGAN AND ROCKY MOUNTAIN POWER.
- THE CONTRACTOR SHALL FURNISH A COMPLETE SERVICE TO THE TRANSFORMERS AND CONTROL SYSTEMS IF REQUIRED ON THE PLANS AND/OR IS DEEMED NECESSARY BY ROCKY MOUNTAIN POWER AND/OR SOUTH JORDAN CITY.
- A STREET LIGHT PLAN SHOWING WIRING LOCATION, WIRING TYPE, VOLTAGE, POWER SOURCE LOCATION, CONDUIT SIZE AND LOCATION SHALL BE SUBMITTED TO THE CITY OF SOUTH JORDAN AND BE APPROVED PRIOR TO CONSTRUCTION.
- . THE CONTRACTOR SHALL BE REQUIRED TO PERFORM A 10 DAY BURN TEST OF THE STREET LIGHTS AFTER THEY ARE CONNECTED AND ENERGIZED BY ROCKY MOUNTAIN POWER. THIS TEST SHALL BE COORDINATED AND WITNESSED BY A SOUTH JORDAN
- 11. EACH STREETLIGHT POLE SHALL HAVE ITS OWN PHOTO CELL INDEPENDENT OF A MASTER CONTROL. ON DOUBLE HEAD FIXTURES A SINGLE PHOTO CELL SHALL BE INSTALLED ON THE NORTH MOST FACING HEAD AND BE WIRED TO ENERGIZE BOTH HEADS.

### CITY OF SOUTH JORDAN GRADING NOTES

ENGINEERING INSPECTOR.

- IN THE EVENT THAT ANY UNFORESEEN CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATIONS, THE OWNER AND CITY ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY CUTS AND FILLS WITHIN THE LIMITS OF THIS
  PROJECT AND THE RELATED OFF-SITE WORK, SO AS TO GENERATE THE DESIRED SUBGRADE, FINISH GRADES AND SLOPES SHOWN.
- CONTRACTOR SHALL TAKE FULL RESPONSIBILITY FOR ALL EXCAVATION. ADEQUATE SHORING SHALL BE DESIGNED AND PROVIDED BY
  THE CONTRACTOR TO PREVENT UNDERMINING OF ANY ADJACENT FEATURES OR FACILITIES AND/OR CAVING OF THE EXCAVATION.
- THE CONTRACTOR IS WARNED THAT AN EARTHWORK BALANCE WAS NOT NECESSARILY THE INTENT OF THIS PROJECT. ANY
  ADDITIONAL MATERIAL REQUIRED OR LEFTOVER MATERIAL FOLLOWING EARTHWORK OPERATIONS BECOMES THE RESPONSIBILITY
  OF THE CONTRACTOR.
- CONTRACTOR SHALL GRADE TO THE LINES AND ELEVATIONS SHOWN ON THE PLANS WITHIN THE FOLLOWING HORIZONTAL AND VERTICAL TOLERANCES AND DEGREES OF COMPACTION, IN THE AREAS INDICATED:

COMPACTION TESTING WILL BE PERFORMED BY THE DEVELOPER OR HIS REPRESENTATIVE.

- 6. ALL CUT AND FILL SLOPES SHALL BE PROTECTED UNTIL EFFECTIVE EROSION CONTROL HAS BEEN ESTABLISHED.
- THE USE OF POTABLE WATER WITHOUT A SPECIAL PERMIT FOR BUILDING OR CONSTRUCTION PURPOSES INCLIDING CONSOLIDATION
  OF BACKPILL OR DUST CONTROL IS PROHIBITED. THE CONTRACTOR SHALL DETAIN ALL NECESSARY PERMITS FOR CONSTRUCTION
  WATER FROM THE PUBLIC WORKS DEPARTMENT.
- 8. THE CONTRACTOR SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHT-OFWAY IN A CLEAN, SAFE AND USABLE

CONDITION ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE PROMPTLY REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC SHALL BE MANTANED IN A CLEAN, SAFE AND USABLE CONDITION.

- IN THE EVENT THAT ANY TEMPORARY CONSTRUCTION ITEM IS REQUIRED THAT IS NOT SHOWN ON THESE DRAWINGS, THE
  DEVELOPER AGREES TO PROVIDE AND INSTALL SUCH ITEM AT HIS OWN EXPENSE AND AT THE DIRECTION OF THE CITY ENGINEER.
  TEMPORARY CONSTRUCTION INCLUDES INCHES REPRINS ROAD SIGNS AND BARRICADES ETC.
- ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.

### CITY OF SOUTH JORDAN FIRE DEPARTMENT NOTES

- ON ANY NEW HOME OR BUILDING INSTALLATION, ACCESSIBLE FIRE HYDRANTS SHALL BE INSTALLED BEFORE COMBUSTIBLE
  CONSTRUCTION COMMENCES AND SAID FIRE HYDRANTS SHALL BE IN GOOD WORKING ORDER WITH AN ADEQUATE WATER SUPPLY.
- CONTRACTOR SHALL CALL THE PUBLIC WORKS DEPARTMENT AND ENGINEERING INSPECTOR FOR UNDERGROUND INSPECTION,
  PRESSURE AND FLUSH VERIFICATION OF ALL FIRE HYDRANTS AND FIRE LINES BEFORE BACK FILLING.
- PAINTING OF THE CURBS AND HYDRANT AND ANY WORK NECESSARY FOR PROTECTION OF HYDRANTS FROM PHYSICAL DAMAGE SHALL BE APPROVED BEFORE BEING CONSTRUCTED.
- A FLOW TEST MUST BE WITNESSED BY THE FIRE DEPARTMENT PRIOR TO OCCUPANCY FOR VERIFICATION OF REQUIRED ON-SITE WATER SUPPLY.
- 5. ALL ON-SITE FIRE MAIN MATERIALS MUST BE U.L. LISTED AND A.W.W.A. APPROVED.
- THE TURNING RADIUS FOR ANY FIRE APPARATUS ACCESS ROAD AND/OR FIRE LANE, PUBLIC OR PRIVATE, SHALL BE NOT LESS THAN
  FORTY-FIVE FEET (45') OUTSIDE RADIUS AND TWENTY-TWO FEET (22') INSIDE RADIUS AND SHALL BE PAVED.
- A FIRE APPARATUS ROAD SHALL BE REQUIRED WHEN ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY IS LOCATED MORE
  THAN ONE-HUNDRED FIFTY FEET (150°) FROM FIRE DEPARTMENT VEHICLE ACCESS ROADS ANDIOR FIRE LANES, PUBLIC OP PRIVATE,
  IN EXCESS OF ONE HUNDRED FIFTY FEET (150°) IN LENGTH SHALL BE PROVIDED WITH AN APPROVED TURN AROUND AREA.
- 8. ACCESS ROADS SHALL BE MAYKED BY PACING APPROVED SIGNS AT THE START OF THE DESIGNATED FIRE LANE. ONE SIGN AT THE END OF THE FIRE LANE AND WIDTH SIGNS AT INTERVALS OF ONE-HONDERD FEET (100), ALONE ALL DESIGNATED FIRE LANES. SIGNS TO BE PLACED ON BOTH SIDES OF AN ACCESS ROADWAY IF NEEDED TO PREVENT PARKING ON EITHER SIDE. SIGNS SHALL BE INSTALLED AT LEAST'S, MEASURED FROM THE BOTTOM EDGE OF THE PREVENT PARKING ON EITHER SIDE. SIGNS SHALL BE 9. SIGN TO THE NEAR EDGE OF PAVEMENT. WHERE PARKING OR PEDESTRIAN MOVEMENTS OF CUIT, THE CLEARANCE TO THE BOTTOM OF THE SIGN SHALL BE AT LEAST T. THE CURB A LONGS OR ON THE PAVEMENT OR CEMENT IF CURB IS NOT PRESENT, SHALL BE
- OF THE SIGN SHALL BE AT LEAST 7. THE CURB ALONG OR ON THE PAVEMENT OR CEMENT IF CURB IS NOT PRESENT, SHALL BE PAINTED WITH RED WEATHER RESISTANT PAINT IN ADDITION TO THE SIGNS.

  10. FECTIFICALLY CONTROL IF DI ACCESS CAITS, SHALL BE PROVIDED WITH AN APPROVED EMPRGENCY VEHICLE DETECTOR
- SYSTEM. SAID SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE SOUTH JORDAN CITY F.D. APPROVAL. GATES ARE ONLY ALLOWED WITH PRIOR APPROVAL.
- 11. ALL UNDERGROUND FIRE LINES THAT SERVICE AUTOMATIC FIRE SPRINKER SYSTEMS SHALL BE NO SMALLER THAN SX (8) NOVES IN DAMETER AL FIRE LINES INSTEAMS. SHALL BE DUCKLE IRON, QUICTLE IRON FROM THE PIVT TO THE BUILDING SHALL BE PERMITTED OR DUCTLE IRON FROM THE MAN WATER LINE TO THE WIV).
  12. POST NOLATOR VALVES I PIVE SHALL BE EXTENDED A NO 40 FEET FROM BUILDINGS NOT EXCEEDING THREE STORES OR
- EQUIVALENT IN HEIGHT AND BÉTWEEN 30 AND 40 FEET ON BUILDINGS IN EXCESS OF THREE OR MORE STORIES IN HEIGHT OR EQUIVALENT.
- ROADS AND ACCESSES SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS. SURFACE SHALL BE PAVED BEFORE THE APPLICATION OF COMBUSTIBLE MATERIAL.

### SOUTH JORDAN CITY WATER NOTES

- THE FOLLOWING SOUTH JORDAN CITY WATER NOTES ARE INTENDED FOR GENERAL WATER STANDARDS ONLY AND ARE NOT ALL
  INCLUSIVE. THE CITY HAS INCLUDED THE CUINARY WATER DESIGN AND CONSTRUCTION STANDARDS WITHIN THE CITY
  CONSTRUCTION STANDARDS AND SPECIFICATIONS.
- 2. NO WORK SHALL BEGIN LINTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE ENGINEERING IDEPARTMENT. FOLLOWING WATER PLAN APPROVAL, FORTY-EIGHT (4g) HOUR NOTICE SHALL BE GINEN TO THE ENGINEERING INSPECTION PLOYER FOR THE PUBLIC WORKS DEPARTMENT (2SS-3230) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRORY TO AN INSPECTION.
- 3. ALL WORK WITHIN SOUTH JORDAN CITY SHALL CONFORM TO SOUTH JORDAN CITY STANDARDS AND SPECIFICATIONS, AWWA AND
- 4. FOR RESIDENTIAL DEVELOPMENTS THE DEVELOPER SHALL PURCHASE AND INSTALL METER BOXES AND SETTERS ACCORDING TO CITY STANDARDS ON NEWLY DEVELOPED LOTS AND REAL PROPERTY AT THE TIME OF WATER MAIN INSTALLATION. WATER METERS WILL BE SUPPLIED AND INSTALLED BY THE SOUTH JORDAN PUBLIC VOIKES DEPARTMENT I/TO DEVELOPERS XERNES, THE DEVELOPER SHALL ALSO PROVIDE THE SITE ADDRESS, LOT NUMBER, METER SIZE AND PAY METER FEES PRIOR TO BUILDING PERMIT APPROVIAL.
- FOR COMMERCIAL AND CONDOMNIUM DEVELOPMENTS THE DEVELOPER SHALL PURCHASE AND INSTALL METER BOXES AND SETTERS ACCORDING TO CITY STANDARDS. WATER METERS WILL BE SUPPLIED BY SOUTH JORDAN PUBLIC WORKS DEPARTMENT (AT DEVELOPER'S EXPENSE) AND INSTALLED BY DEVELOPER.
- ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE
   OBTAINED PRIOR TO COMMISSIONING THE NEW WATER LINE TO THE SOUTH JORDAN CITY CULINARY WATER DISTRIBUTION SYSTEM.
- SOUTH JORDAN PUBLIC WORKS DEPARTMENT MUST APPROVE WATER SHOT DOWN WHICH MAY REQUIRE EVENING AND WEEKE SHUT DOWN AS DEEMED NECESSARY, REQUIRING THE CONTRACTOR TO BE BILLED FOR OVERTIME. 48 HOUR NOTICE IS REQUIRED.
- 8. WATER STUB-OUT INSTALLATIONS WILL NOT BE CONSTRUED AS A COMMITMENT FOR WATER SERVICE.
- 9. CONDITIONAL APPROVAL OF VALVED OUTLET (6" AND LARGER): IN THE EVENT THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS, INSTALLATIONS OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH THE CITY STANDARDS AND ATT THE DEVELOPERS SEPPENSE.
- ALL LINES TO BE PRESSURE TESTED ACCORDING TO SOUTH JORDAN CITY AND AWWA STANDARDS AND CHLORINATED PRIOR TO USE AND FINAL ACCEPTANCE.
- 11. ALL FITTINGS TO BE COATED WITH POLY FM GREASE AND WRAPPED WITH 8-MIL THICK POLYETHYLENE.
- 12. NO OTHER UTILITY LINES MAY BE PLACED IN THE SAME TRENCH WITH WATER LINE UNLESS APPROVED BY THE CITY ENGINEER.
- 13. ANY CONFLICT WITH EXISTING UTILITIES SHALL BE IMMEDIATELY CALLED TO THE ATTENTION OF THE CITY ENGINEER OR DESIGNEE
- 14. ALL WATER VAULTS WILL BE CONSTRUCTED PER CITY OF SOUTH JORDAN STANDARD DRAWINGS AND SPECIFICATIONS. NO VAULTS ARE ALLOWED IN TRAFFIC AREAS WITHOUT PRIOR APPROVAL OF THE CITY ENGINEER.
- LANDSCAPING AND IRRIGATION ADJACENT TO VAULTS SHALL DRAIN AWAY FROM VAULTS.
- 16. ONCE THE WATERLINE HAS BEEN TESTED, APPROVED AND CITY WATER IS FLOWING THROUGH THE PIPE, ONLY CITY PERSONNEL ARE AUTHORIZED TO SHUT DOWN AND CHARGE THE WATERLINE.
- 17. MEGALUG FOLLOWING RING OR AN APPROVED EQUIVALENT SHALL BE USED ON ALL FITTINGS
- 18. API/A PLAN 582, CITY REQUIRES STANLESS STEEL TE-DOWN RESTRANTS WITH TURNBLOCKES ONLY, ST REBAR IS NOT ACCEPTABLE REGALLIS FOLLOWERS REQUIRED ON ALL FITTINGS AND ALL DIMENSIONS OF THRUST BLOCKING STILL APILY THRUST BLOCKS MAY BE ELMINATED IF HORIZONTAL TIE DOWN RESTRANTS HAVE BEEN PRE-ENSINEERED AND RECEIVE PRIOR CITY APPROVAL.
- 19. WATER MAINS WILL BE HOT TAPPED AS CALLED OUT ON THE APPROVED PLANS. UNDER SPECIAL CIRCUMSTANCES, WHEN A CONTRACTOR SUBMITS A REQUEST FOR A SHUTDOWN CONTRACY TO THE APPROVED PLANS AND THE REQUEST IS APPROVED AT THE DISSREDING OF THE CITY ENGINEER OF RESIGNEE, THE CONTRACTOR MUST STOWLE 46-HOUR NOTICE TO NIGHISHED AND THOSE AFFECTED. IP BUSINESSES ARE IMPACTED BY THE SHUTDOWN IT WILL BE DONE AFTER HOURS AND ALL OVERTIME FEES FOR CITY PERSONNEL, EQUIPMENT AND VEHICLES MANS TEE PAD IN ADVANCE.
  - CONTRACTORS ARE REQUIRED TO WRITE THE LOT NUMBER WITH A BLACK PERMANENT MARKER ON THE INSIDE OF THE WATER METER BARRELS AS THEY ARE INSTALLED.



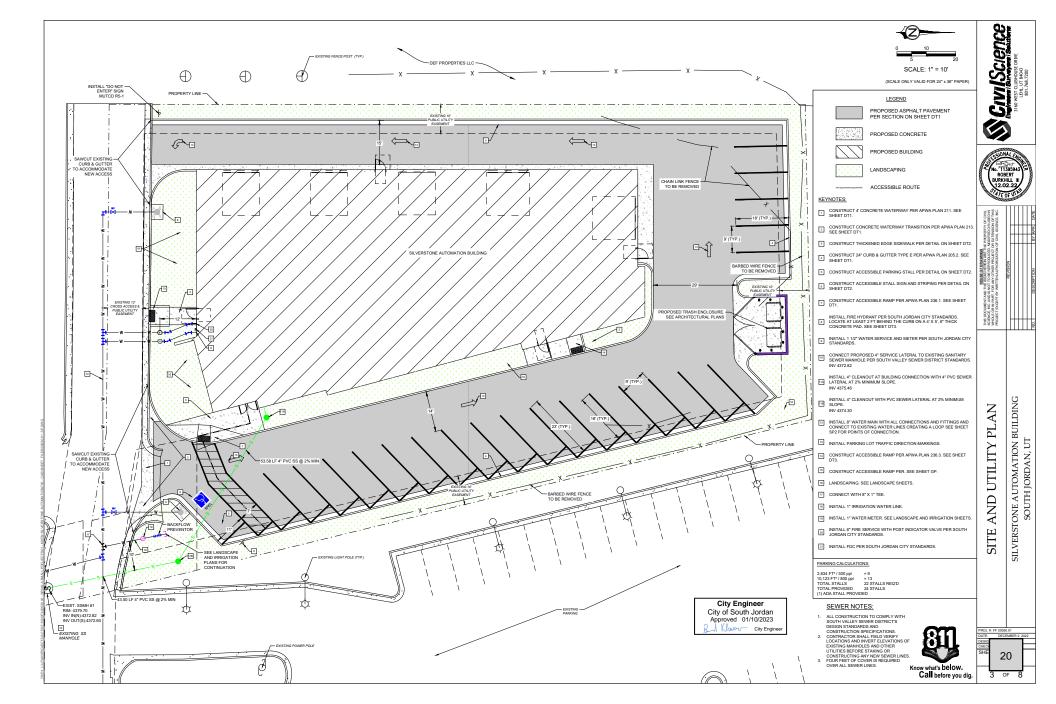


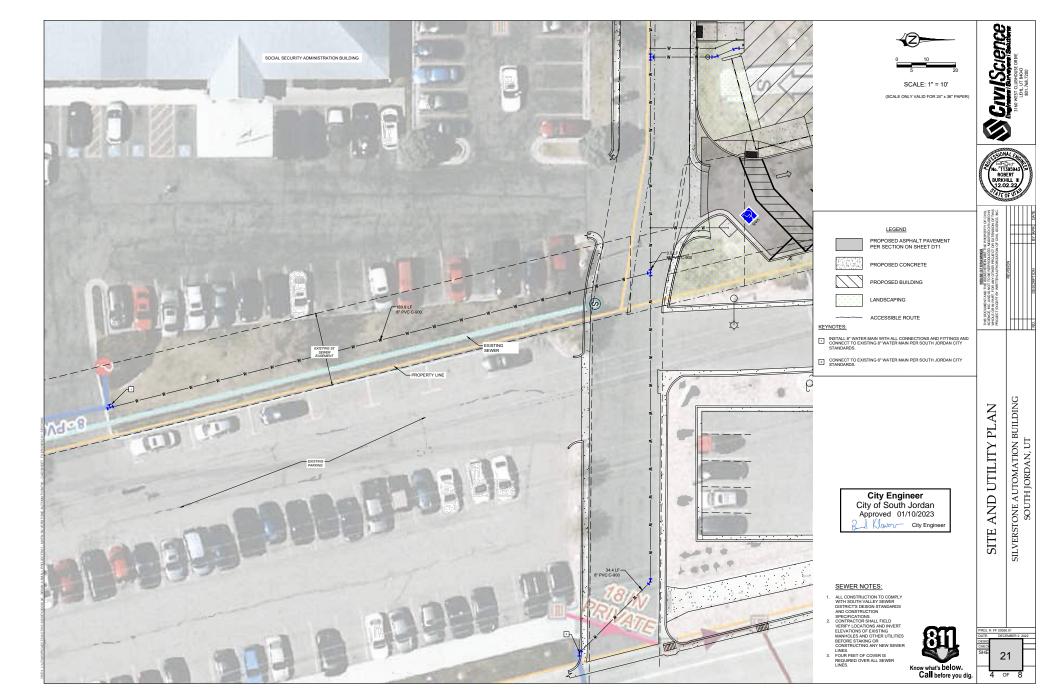
City Engineer
City of South Jordan
Approved 01/10/2023
Light City Engine

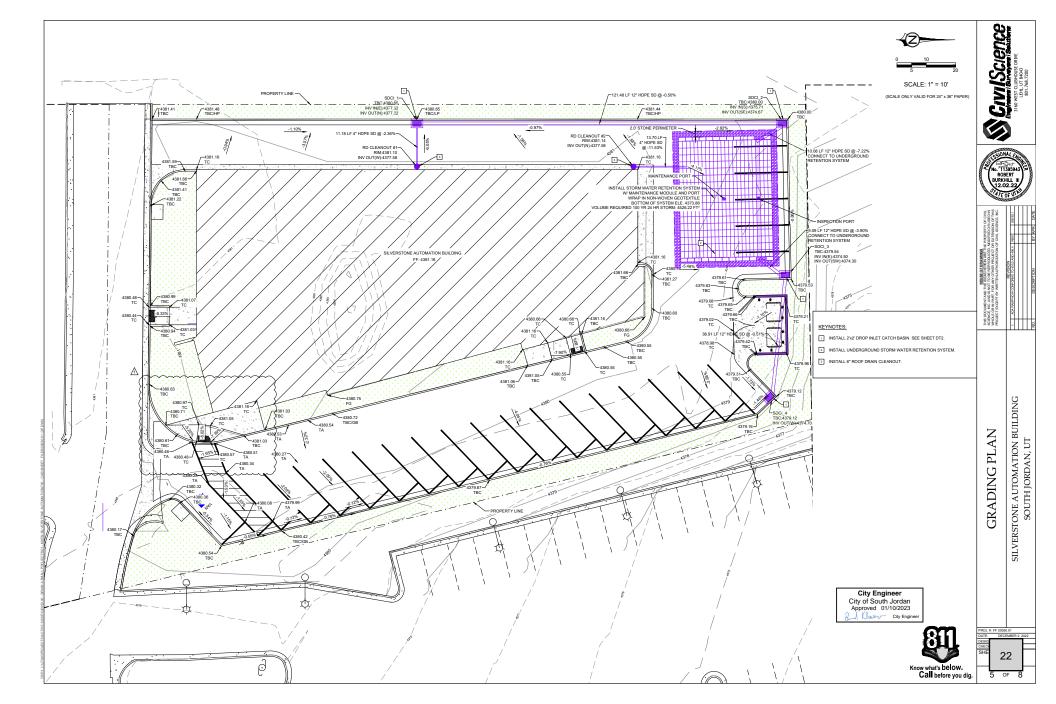
CONE AUTOMATION BUILDING SOUTH JORDAN, UT

SILVERSTONE AU

PROJ. 8: FF 20050.01
DATE: DECEMBER 2, 2022
DESIGN CHECK
SHE 19







### Waterway

### 1 GENERAL

- PREMAL

  Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER's discretion.
- B. Unless indicated otherwise, width of waterway as follows.
- 4 feet for a residential street.
- ) 6 feet for a non-residential street.

  If wider than 6 feet, offset the flow line in the waterway to match (line up with) the
- curb and gutter flow line. Adjust cross slopes to match existing slopes. C. Additional requirements are specified in APWA Section 32 16 13.

### 2. PRODUCTS

- Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel
- base course. Unleased base course, A-PVA-Seculor 22 11 2.5 Unit uses grave as a base course without ENGINEER's permission.

  Expansion Joint Filler. 1/2-inch thick type F1 full depth, APWA Section 32 13 73.

  Concrete: Class 4000, APWA Section 03 30 64, if necessary, provide concrete that achieves design strength in less than 7 days. Use caution, however, as concrete
- crazing (spider cracks) may develop if air temperature exceeds 90 degrees F. D. Reinforcement: Galvanized or epoxy coated, deformed, 60 ksi yield grade steel,
- ASTM A615.

  E. Concrete Curing Agent: Clear membrane forming compound with fugifive dye (Type ID Class A), AFWA Section 03 39 00.

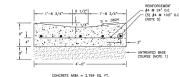
### 3. EXECUTION

- Base Course Placement: APWA Section 32 05 10. Thickness is 6-inches if flow-line grade is 0.5 percent (s=0.005) or greater. If slope is less, provide 8-inches. Maximum lift thickness before compaction is 8-inches when using riding equipment waxmum in trinchess before compaction is 6-increase when using hang equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.

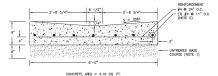
  Concrete Placement: APWA Section 03 30 10.

  1) Install expansion joints vertical, full depth, with top of filler set flush with concrete
- surface. Expansion joints are not required in concrete placement using slip-form
- Surface. Expansion joints are in a required in construction.

  2) Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 8-inches thick. Match joint location in adjacent Portland-cement concrete roadway pavement.
- Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
   Protection and Repair: Protect concrete from deicing chemicals during cure. Repair construction that does not drain. If necessary, fill flow-line with water to verify.



4'-0" WATERWAY



### 6'-0" WATERWAY

211

### Waterway transition structure

### 1. GENERAL

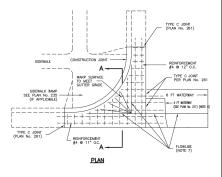
- Nariance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER's discretion.
   Additional requirements are specified in APWA Section 32 16 13.

### PRODUCTS

- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.
  B. Expansion Joint Filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73...
- Concrete. Class 4000, APWA Section 03 30 04. If necessary, provide concrete that achieves design strength in less than 7 days. Use caution; however, as concrete
- crazing (spider cracks) may develop if air temperature exceeds 90 degrees F D. Reinforcement. Galvanized or epoxy coated, deformed, 60 ksi yield grade steel ASTM A615.
- Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

### 3. EXECUTION

- Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand. held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26.
- density, APWA Section 31 23 26.
  Concrete Placement: APWA Section 03 30 10.
  1) Install expansion joints vertical, full depth, with top of filler set flush with concrete surface. Install al the start or end of a street intersection curb return. Expansion joints are not required in concrete placement using slip-form construction.
- Install contraction joints vertical, 1/8-inch wide or 1/4 slab thickness if the slab is greater than 6-inches thick. Match joint location in adjacent Portland-cement concrete roadway payment. Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
- C. Protection and repair. Protect concrete from deicing chemicals during cure. Repair construction that does not drain. If necessary, fill flow-line with water to verify.





TURNING SPACE AT SIDEWALK LEVEL

Waterway transition structure 33

**Civil**Science

ROBERT

213

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211

January 2003

Waterway

TYPE F

213

### Curb and gutter

### GENERAL

Variance from specified dimensions and slopes must be acceptable to the ENGINEER. System configuration may be changed at ENGINEER's discretion.

B. Additional requirements are specified in APWA Section 32 16 13.

- A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.

  B. Expansion John filler: 1/2-inch thick type F1 full depth, APWA Section 32 13 73.

  C. Concrete: Class 4000, APWA Section 03 30 04. If necessary, provide concrete that
- achieves design strength in less than 7 days. Use caution, however, as concrete crazing (spider cracks) may develop if air temperature exceeds 90 degrees F. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

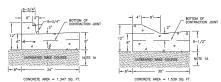
### 3. EXECUTION

- A. Base Course Placement: APWA Section 32 05 10. Thickness is 6-inches if flow-line grade is 0.5 percent (s=0.05) or greater. If slope is less, provide 8-inches. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, AP/WA Section 31 23 26.

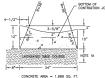
  Concrete Placement: AP/WA Section 33 01 0.

  1) Install expansion joints vertical, full depth, with top of filler set flush with concrete
- surface. Install at the start or end of a street intersection curb return. Expansion joints are not required in concrete placement using slip-form construction.

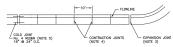
  2) Install contraction joints vertical, 1/8-inch ulde or 1/4 slab inchicases if the slab is greater than 8-indhes thick. Match joint location in adjacent Portland-cement concrete roadway pavement.
- Provide 172-Inch radius edges. Apply a broom finish. Apply a curing agent.
   Provide 172-Inch radius edges. Apply a broom finish. Apply a curing agent.
   Protection and Repair: Protect concrete from deicing chemicals during cure. Repair construction that does not drain. If necessary, fill flow-line with water to verify.



TYPE E



TYPE G



CURB AND GUTTER JOINT DETAIL

Curb and gutter 27

205 Drawing 2 of 2

### Midblock curb cut assembly

- A. Where existing elements or spaces are altered to receive an assembly: slopes and dimensions shall comply with slopes and dimensions shown on the drawing, or to the maximum extent feasible permitted by the ENGINEER. Final configuration of the mbly may be different than shown
- assemoly may be climerent than shown.
  Installation of flares or curb returns is ENGINEER's choice.
  Definitions and supplemental requirements are specified in APWA Section 32 16 14.

- PROJUCU IS

  A. Base Course: Unlrealed base course, APWA Section 32 11 23. Do not use gravel as a base course without PNGINEER's permission.

  Expansion Juni Filer. 172-th of this type F1 full depth, APWA Section 32 13 73.

  Detectable Warning Surface: Prawer, ribbed composite panel, or file. Provide a color that contrales with adjacent wellings jurface, after light-or-deft or defix-d-light.

  FORMINEER to select operate on the contral inclinated elsewhere.

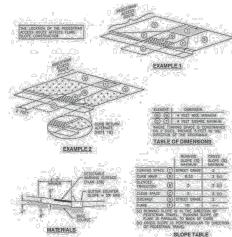
  Gonzele Cultura Apart. Clear premibrane formion commont with fiveline-the Charles.
- E. Concrete Curing Agent: Clear membrane forming compound with fugitive dye (Type ID Class A), APWA Section 03 39 00.

### 3. EXECUTION

236.1

- EXECUTION

  A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is 95 percent or greater relative to a modified proctor density, APWA Section 31 23 26. B Curb Modifications:
- The sloped surface created to accommodate a flare area shall be perpendicular to
- the direction of ramp run and are not permitted on the ramp or turning space surface.
- surface. Install contraction joints vertical, 1/8-inch wide, and 1/4 of the depth of the concrete flatwork



Mid-block curb cut assembly

ERSTONE AUTOMATION I SOUTH JORDAN, UT DET,

AIL

BUILDING

PROJ #: FE 20050 0 23

236.1

205.2

June 2005

Mouten City Engin

248

In le sloped surface created to accommodate a faire area shall be perpendicular to the back of carb.
 No grade break shall exist between the flow-line and the foot of the curb ramp or blended transition. Length of the curb modification abutting the curb ramp or transition is 4 feet minimum.
 Curb Ramp: Length not required to exceed 15 feet. Grade breaks are perpendicular to

the direction of raining but and are not permitted in the family or turning space surface.

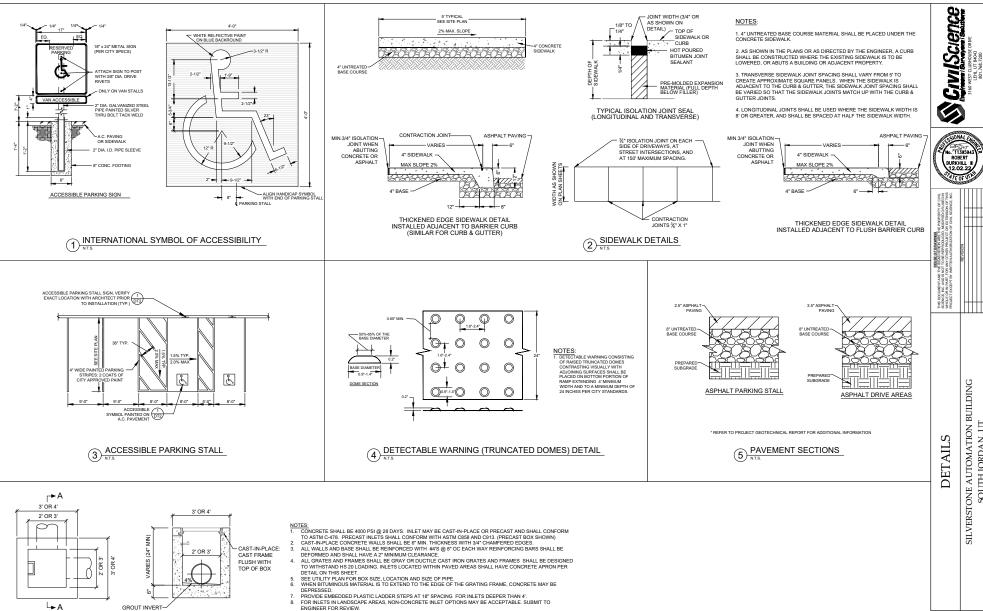
Sides are partial to each other and perpendicular to the each.

1 Maximum length to width ratio for rectangular panel joints is 1,5 to 1, Joint spacing measured in feet sof to exceed whose slabt dischess measured in inches or a maximum of 15 feet.

2 Install expansion joints vertical, full depth, with top of filler set flush with concrete.

Provide 1/2-inch radius edges. Apply a broom finish. Apply a curing agent.
 Clear Space: No trip hazards in the clear space.

City Engineer City of South Jordan Approved 01/10/2023



24

City Engineer

City of South Jordan Approved 01/10/2023

City Engine

1 Davor

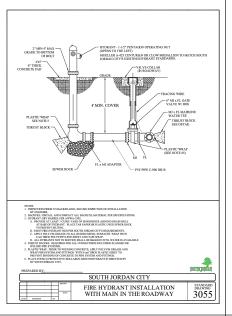
SILVERSTONE AUTOMATION BUILDING SOUTH JORDAN, UT

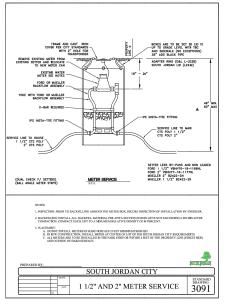
PRECAST DROP INLET DETAIL

TO DRAIN

PLAN VIEW

SECTION A-A







# Mid-block curb cut assembly

 GENERAL
 Where existing elements or spaces are altered to receive an assembly; stopes and dimensions shall comply with slopes and dimensions shown on the drawing, or to the maximum extent feasible permitted by the ENGINEER. Final configuration of the assembly may be different than shown

B. Installation of a curb wall is ENGINEER's choice.

Definitions and supplemental requirements are specified in APWA Section 32 16 14.

PRODUCTS

A. Base Course: Untreated base course, APWA Section 32 11 23. Do not use gravel as a base course without ENGINEER's permission.

B. Expansion Joint Filler: 1/2-linch thick type F1 full depth, APWA Section 32 13 73..

Business Will make "Active the many point origin," and "Active the make the many point origin," and "Active the make the many point origin," and "Active the make the many point or that contrasts with adjacent willings surface, either light-or-dark or dark-on-light. ENOINEER to select up and color unless indicated elsewhere.

Example: Class 4000, APVA Section 03 30 04.

E. Concrete: Class 4000, APVA Section 03 30 04.

Class A), APVA Section 03 30 05.

Class A), APVA Section 03 30 05.

The contrast origin or the many point or

### 3. EXECUTION

A. Base Course Placement: APWA Section 32 05 10. Maximum lift thickness before compaction is 8-inches when using riding equipment or 6-inches when using hand held equipment. Compaction is95 percent or greater relative to a modified proctor density,

- occupanced. Compacted men to say loan, put up to the compact of th
- maximum of 15 feet. maximum of 15 feet.

  Install expansion joins vertical, full depth, with top of filler set flush with concrete surface. Install contraction joints vertical, 18-inch wide, and 1/4 of the depth of the concrete flatwork.

  Provide 1/2-inch addus adges. Apply a broom finish. Apply a curing agent.

  F. Clear Space. No trip hazards in the clear space.





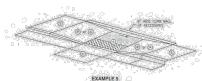


TABLE OF DIMENSIONS

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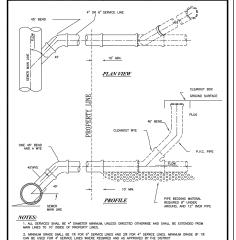
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8 OF

236.3

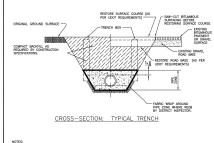


3. CLEAN-OUTS SHALL BE INSTALLED EVERY 100 FEET.

4. ALL 90' CONNECTIONS TO MAIN MUST BE CONSTRUCTED WITH ONE 45' BEND AND A WYE 5. 90' FITTINGS ARE NOT ALLOWED. 90' SHALL BE MADE WITH TWO 45' BENDS OR A COMBO WYE AND 48' BEND.

SOUTH VALLEY SEWER

STANDARD SEWER SERVICE

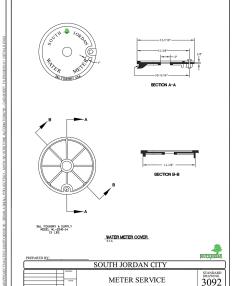


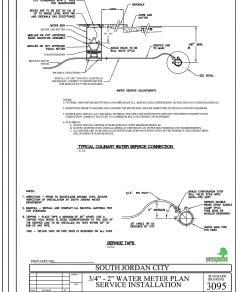
Mid-block curb cut assembly

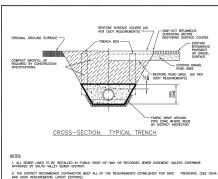
3. CONTRACTOR SHALL LOCATE ALL UNDERGROUND UILLINES BEFORE LAYIND PIPE WITHIN 50° OF SAID UTILITIES WHICH MAY BE DEPOSED, DAMAGED OR BIOSED AS SHATIN ON THE DIRANISED OR AS TILLE SHATED. THE CONTRACTOR MILL MAKE BENEFIELD OF THE SHATE SHATE

ASPHALT RESTORATION SHALL MATCH EXISTING TO A MAXMUM OF 6" AND SHALL INCLUDE A 6" UNTRIATED BASE COURSE AND 12" GRANULAR BORROW COURSE AS PER UDOT STANDARDS.

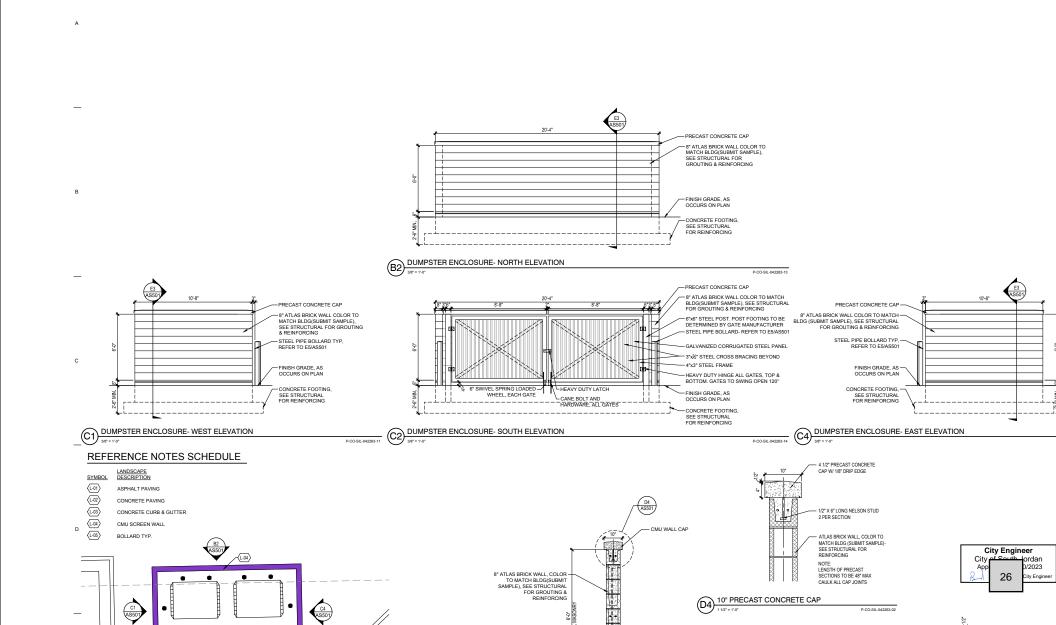
SOUTH VALLEY SEWER CO DISTRIBUTION STANDARD SEWER TRENCH DETAIL











CONSTRUCTION DOCUMENTS

27

**IRRIGATION** 

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PLAN

JORDAN GATEWAY JORDAN CITY, UT 84117

10096 S. SOUTH J

# **AUTOMATION**

MHTN

ARCHITECTS MHTN Architects. Inc.

REFERENCE NOTES SCHEDULE

LAYOUT DRIP LINE SO THAT AS A MINIMUM ALL SHRUBS LIE BETWEEN TWO ROWS OF DRIPPER LINE AND SO THAT ROWS ARE 18" TO 24" APART TYPICAL. FIELD VERIFY SOIL, SUBSOIL AND SLOPE CONDITIONS AND MODIFY AS REQUIRED.

(L-01) ASPHALT PAVING (L-02)

CONCRETE PAVING (L-03) CONCRETE CURB & GUTTER

(L-04) CMU SCREEN WAL (L-05) BOLLARD TYP

# MANUFACTURER/MODEL

RAIN BIRD XCZLF-100-PRF

AREA TO RECEIVE DRIPLINE NETAFIM TLDL-06-18

SYMBOL MANUFACTURER/MODEL/DESCRIPTION RAIN RIRD 44-NP

1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING LOCKING NON-POTABLE PURPLE RUBBER COVER, AND 2-PIECE BODY.

APOLLO VALVES 70-10 BALL VALVE (LEAD FREE), LEAD FREE BRONZE BODY, BLOW-OUT PROOF STEM DESIGN, MULTI-FILL PTFE SEATS & SEALS

M NETAFIM DIGITAL REGISTER 1-1/2\* NETAFIM DIGITAL REGISTER 1-12
NETAFIM LHM15EM11ASFMEL, MASTER
VALVE/FLOW SENSOR WITH WATER METER AND
HYDRAU II C. VALVE IN A SINGLE LINIT CAST IRON WITH BAKED POWDER-COATED FIN MINIMUM WORKING PRESSURE 14 PSI MALE PIPE THREAD CONNECTION, DIGITAL REGISTER.

FEBCO 825Y 1\*
REDUCED PRESSURE BACKFLOW PREVENTER

HUNTER HCC-800-M/ICC-PED-SS 8 STATION OUTDOOR WI-FI ENABLED, FULL-FUNCTIONING CONTROLLER WITH TOUCHSCREEN, COMMERCIAL USE, STAINLESS STEEL PEDESTAL W/ CONCRETE PAD.

WATER METER 1" IRRIGATION LATERAL LINE: PVC SCHEDULE 40

- IRRIGATION MAINLINE: PVC SCHEDULE 40

PIPE SLEEVE PVC CLASS 20 SDR 21
TYPICAL PIPE SLEEVE FOR RIRCATION PIPE
PIPE SLEEVE SUS SWILLALLOW FOR COUPLINGS TO EASILY SUBER THROUGH COUPLINGS TO EASILY SUBER THROUGH SLEEVING MATERIAL EXTEND SLEEVES 18
INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.



# IRRIGATION SCHEDULE

SYMBOL

IRRIGATION NOTES

DRIP IRRIGATION NOTES

2 COORDINATE LAYOUT OF DRIPLINE WITH THE LAYOUT OF THE PLANT MATERIAL

INSTALL AUTOMATIC DRAINS AT ALL LOW POINTS IN THE PVC SUPPLY AND EXHAUST HEADERS TO ENSURE COMPLETE DRAINAGE.

4. FLUSH OUT THE SYSTEM COMPLETELY PRIOR TO INSTALLING THE FLUSH VALVES TO

 INSTALL PVC SUPPLY AND EXHAUST HEADERS A MIN. OF 6" BELOW FINISH GRADE TYPICAL THROUGHOUT. 6. INSTALL DRIPPER LINE 2" BELOW FINISH GRADE DIRECTLY BELOW MULCH LAYER. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AN ADEQUATE AMOUNT OF AIR RELIEF VALVES. EACH ZONE. SEPARATE AREA WITHIN ZONES, OR AREAS WITHIN ZONES SEPARATED BY GRADE VARIATIONS REQUIRE AIR RELIEF VALVES. INSTALL IN 2" PIV'S LEEVES WITH MARKER CAP.

8. ALL PVC SUPPLY AND EXHAUST HEADERS SHALL BE A MINIMUM OF 1" IN SIZE. ALL FILTERING AND VALVING FOR BOTH THE DRIPPER LINE AND EMITTERS SHALL BE ACCOMMODATED USING THE SAME VALVE/FILTER/ PRESSURE REQUITATING ASSEMBLY

ALL MAIN LINE PIPE SHALL BE NEW SCH 40 WITH SCH 80 FITTINGS ON ALL TEES, ELBOWS AND 90'S. ALL LATERAL LINE PIPE SHALL BE SCHEDULE 40 PVC PIPE WITH SCH

2 ALL GALVANIZED PIPE ON DETAILS SHALL BE NEW GALVANIZED STEEL PIPE

3 LIVE SERVICE MAINS SHALL BE INSTALLED A MINIMUM OF 18' BELOW FINISH CRADE RACKELL TRENCH AROLIND LIVE SERVICE MAIN WITH A MINIMUM OF 8° OF SAND BALATIEL INENGH AROUND LIVE SERVICE MAIN WITH A MINIMUM OF 6 OF SAND.

LATERAL LINES SHALL BE PLACED A MINIMUM OF 12" BELOW FINISH GRADE. INSTALL A

QUICK COUPLER AND DRAIN DOWNSTREAM OF THE MASTER VALVE.

ALL MAIN LINES SHALL SLOPE TO DRAIN. IF FIELD CONDITIONS NECESSITATE ADDITIONAL DRAINS, THESE DRAINS SHALL BE INSTALLED FOR COMPLETE CRAINAGE OF THE ENTIRE MAINLINE. PROVIDE A 24" DIA X.24" DEEP GRAVEL SUMP UNDER EACH DRAIN, WHICH DRAIN SHALL BE A ININ. OF 24" BELDIN GRADE. ALL MANUAL DRAIN VALVES SHALL BE INSTALLED AS DETAILED ON THE DRAWINGS. INSTALL GEO-TEXTILE FABRIC AROUND EACH GRAVEL DRAIN.

THIS CONTRACTOR SHALL PROVIDE AND INSTALL AIR RELIEF VALVES ON THE MAINLINE AT ALL DEAD END RUNS AND AT ALL HIGH POINTS THROUGHOUT.

THE CONTRACTOR SHALL PRESSURE TEST THE MAINLINE AT 150 P.S.I. PRIOR TO INSTALLING ANY LATERAL LINES.

7. ALL PVC FITTINGS SHALL BE ASTM 2466 FITTINGS.

8 IRRIGATION SYSTEM IS DESIGNED SO THAT THE SYSTEM CAN BE WINTERIZED LISING COMPRESSED AIR. DO NOT INSTALL AUTOMATIC DRAINS ANYWHERE ON THE SYSTEM.

THIS CONTRACTOR SHALL PROVIDE RECORD DRAWINGS OF THE IRRIGATION SPRINKLER SYSTEM IN CAD FORMAT SHOWING EXACT MEASURED AND DIMENSIONED LOCATIONS OF ALL VALVES, WISE SPLICES NOT IN A VALVE BOX AND DRAIN VALVES. TIE DIMENSIONS TO PERMANENT FEATURES SUCH AS STRUCTURES

10. THIS DRAWING IS DIAGRAMMATIC ONLY AND IS INTENDED TO CONVEY THE IDEA OF FULL COVERAGE OF THE IRRIGATION SPRINKLER SYSTEM. PRINTS SHALL NOT BE SCALED. THE IRRIGATION SYSTEM CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALL ATION LAYOUT OF THE SYSTEM IN ACCORDANCE WITH THE DRAWINGS TO INSTALLATION LAYOUT OF THE SYSTEM IN ACCORDANCE WITH THE DRAWINGS TO PROPORITIONALLY COVER A GIVEN HEAR AS SHOWN. THE LAYOUT MAY BE MODIFIED IF NECESSARY TO GITAIN COVERAGE TO SUIT THE MANUFACTURERS STANDARD HEADS INDICATED. DO NOT ECREASE THE MUNIBER OF HEADS INDICATED UNLESS TRANDARD HEADS INDICATED. BOTH AND THE LANDSCAPE ARCHITECT. THE SYSTEM SHALL BE TESTED FOR COMMITTE COVERAGE AND ALL RECESSARY PROPERS AUGISTMENTS MADE TO GET. FULL AND PROPER COVERAGE PRIOR TO ACCEPTANCE BY THE OWNER.

11. THE SYSTEM IS DESIGNED FOR 30 PSI OPERATING PRESSURE ON THE ENTIRE DRIP

SYSTEM UNLESS OTHERWISE NOTED. 12. ALL VALVES TO BE WIRED TO CONTROLLERS USING #14 U.F. WIRE AND PEN-TITE WATER RESISTANT WIRE CONNECTORS. ALL VALVE WIRES UNDER PAVING SHALL BE INSTALLED AN AMMINULU 2'S EXPEDILE 40 PIV. CONDUTI BIRED 24 DEEP. PROVIDE AND INSTALL A DIFFERENT COLOR VALVE WIRE FOR EACH CONTROLLER. RUN ONE EXTRA WIRE FROM THE ADJACENT CONTROLLER TO EACH GROUP OF VALVES FOR FUTURE USE AND STUB INTO THE VALVE BOX.

ALL VALVE BOXES SHALL BE JUMBO SIZED PLASTIC BOXES, AMETEC OR EQUAL UNLESS OTHERWISE DETAILED.

14. ALL VALVES WILL BE LOCATED IN GROUPS 3' AWAY FROM WALKS AND CURBS-COORDINATE WITH MAINLINE LAYOUT. A DRAIN VALVE WITH SUMP SHALL BE PROVIDED AND INSTALLED AT EACH GROUP OF VALVES. A QUICK COUPLER SHALL BE PROVIDED AT EVERY VALVE MANIFOLD LOCATION. VALVES SHALL BE LOCATED 3'-D' AWAY FROM THE CURBS, WALKS OR MOWSTRIP

15. ALL ISOLATION VALVES AT VALVE MANIFOLDS SHALL BE APOLLO 70-100 SERIES BALL

A MAXIMUM OF FOUR VALVES SHALL BE INSTALLED ON EACH VALVE MANIFOLD OR MAIN LINE TEE. ALL MAINLINE MANIFOLD TEES SHALL HAVE A 4" MINIMUM OUTLET.

ALL HEADS SHALL BE SET PERPENDICULAR TO THE EXISTING GRADE SO AS TO PROVIDE PROPER COVERAGE.

PROVIDE AND INSTALL ALL THE MANUFACTURER'S RECOMMENDED SURGE AND LIGHTNING PROTECTION EQUIPMENT ON ALL NECESSARY SYSTEM COMPONENTS.

19 CONNECT TO THE EXISTING 1-1/2" PVC MAINLINE STUR AT THE LOCATION SHOWN INSTALL THE BACKFLOW PREVENTION ASSEMBLY AND MASTER VALVE. DRAIN VALVE AND QUICK COUPLER AS REQUIRED TO DRAIN THE SYSTEM.

20. INSTALL A FEBCO REDUCED PRESSURE VACUUM BREAKER BACKFLOW PREVENTION ASSEMBLY ABOVE GRADE AS DETAILED AND AS PER ALL APPLICABLE STATE CODES AND AS PER MANUFACTURES RECOMENDATIONS.

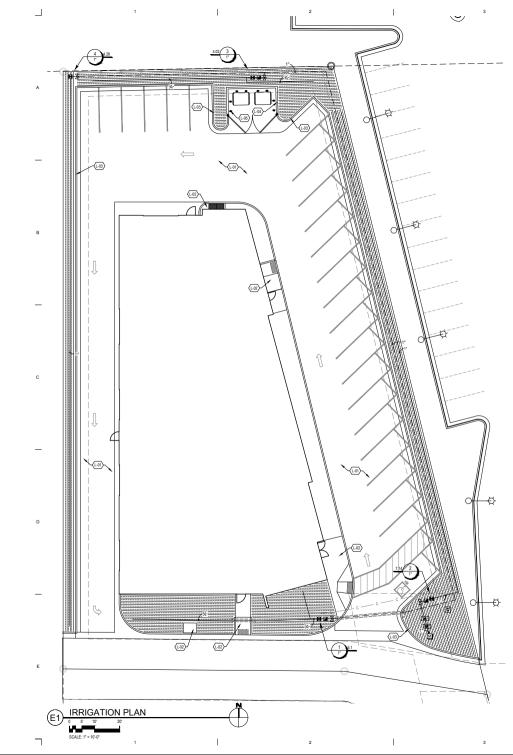
21. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY SITE ITEMS DAMAGED DURING THE COURSE OF CONSTRUCTION.

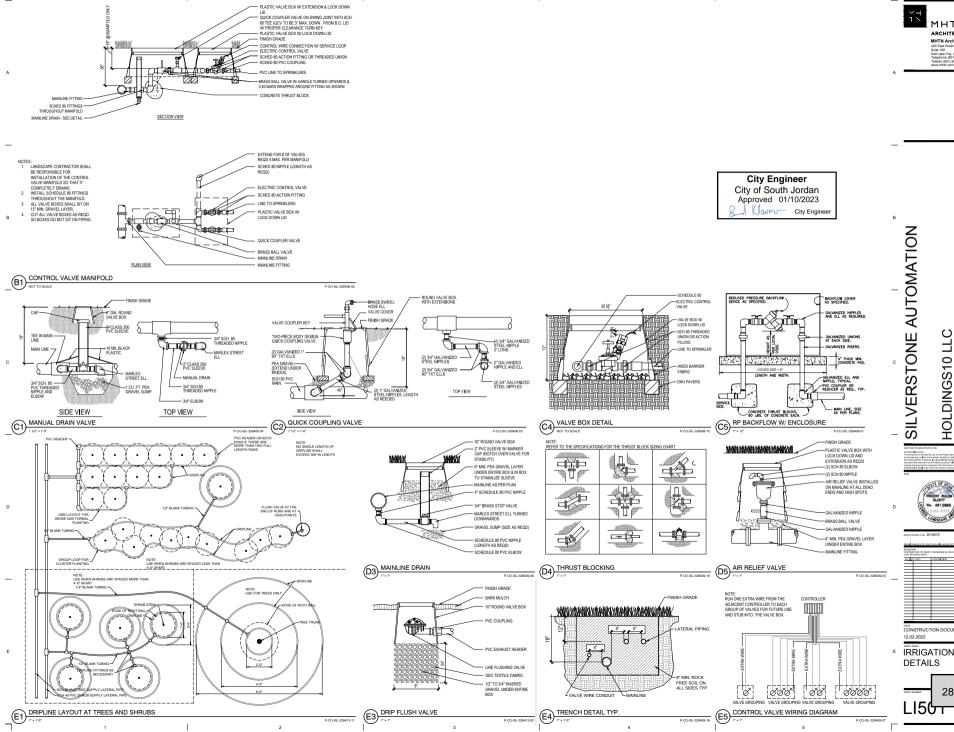
22. IRRIGATION PRODUCT SUBMITTALS SHALL INCLUDE PIPE SLEEVING AND CONDUIT

23. COORDINATE WITH THE GENERAL CONTRACTOR AND OWNER IN THE INSTALLATION OF THE PEDESTAL MOUNTED IRRIGATION CONTROLLER. PROVIDE LIGHTNING PROTECTION PER MFGR'S RECOMMENDATIONS.

City Engineer City of South Jordan Approved 01/10/2023 Klower

City Enginee







10096 S. JORDAN GATEWAY SOUTH JORDAN CITY, UT 84117



CONSTRUCTION DOCUMENTS

IRRIGATION

**DETAILS** 

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### 1.1 DELATED DOCUMENTS

- A This Section includes valves pining sprinklers specialties accessories controls and wiring for imigation systems.
- Field verify capacity of the existing irrigation system complete including but not limited to flow, capacity, controller operation and etc.
- C. Related Sections: The following Sections contain requirements that relate to this Section
- 1 Section 011000 "Summary"
- Specification Section Soils Deport for reference only
- Section 328401 "Drip Irrigation System".
   Section 329301 "Landscape Planting".
   Division 26 Sections for electrical power materials:
- A. Piping sizes used in this Section are normal pipe size (NPS) in inches. Tube sizes are standard size in inches. Equivalent SI (metric) sizes are indicated in millimeters (mm) in
- Supply Piping: Piping from water source to connection to irrigation system press
  Piping is under same pressure as water supply. Piping in this category is not inclu
- Circuit Piping: Piping downstream from control valves to irrigation system sprinklers, emitti devices, and drain valves. Piping is under pressure (less than pressure piping) during flow
- E. Control Valve: Manual or automatic (electrically operated) valve for control water flow to imigation system zone, including isolation or zone valves.
- G. Drain Valve: Manual drain valve for draining of irrigation system circuit piping
- 1.4 SYSTEM PERFORMANCE REQUIREMENTS
- necessary to avoid planting and obstructions such as signs and light standards B. Minimum Water Coverage: Not less than:
- Turf Areas: 100 percent.
- 2 Other Planting Areas: 100 percent
- C. Components and Installation: Capable of producing piping systems with the following minimum working pressure ratings except where indicated otherwise. Pressure Piping: 150 psig (1035 kPa).

- A. Plumbing code compliance: Comply with any applicable portions of the Utah state plumbing code pertaining to the selection of materials and the installation of irrigation systems.
- for by the contractor following whatever ordinances, regulations and codes requiring the permits. If the authorities of the jurisdiction require inspection at said points of the installation, the contractor shall arrange for, and be present at, any such inspection
- D. Additional work or furnishing of materials required due to inspection by the authorities of jurisdiction shall be furnished at no cost to the owner. If the specifications for this project and existing ordinances, regulations or codes are in conflict, the conflict shall be noted in writing by the contractor to the owner's authorized representative, and any necessary changes in work shall follow an established procedure for claims for existing compensation.
- General: Submit the following according to the Conditions of the Contract and Division 1 Specification Sections.
- Product data including pressure rating, rated capacity, settings, and electrical data o selected models for the following:
   Pressure regulators.
- Valves, including general-duty, underground, manual and automatic control, and quick-coupler types, and valve boxes.
- Sprinklers, including emitters, drip tubes, and devices. Controls, including controller wiring diagrams.
- Wiring and fittings
- Pine including sleeves lateral supply conduit and drain
- Plastic pipe cement.
   Backflow Prevention Device
   Master Valve
- C. Wiring diagrams for electrical controllers, valves, and devices
- Maintenance data for inclusion in "Operating and Maintenance Manual" specified in Division 1 Section "Project Closeout" for the following:
   Pressure regulators:
   Automatic control valves.
- Sprinklers.
- Controllers. Flow Sensor

- Plant type (for example, turf, trees, low water use plants);
- Irrigation type (for example, sprinklers, drip, bubblers);
   Flow rate in gallons per minute;

- The irrigation schedule shall rely on the estimated landscape water use calculations and shall be adjusted as necessary for irrigation efficiency, soli conditions, slope, and microclimate conditions.
- G. Mack ups: This contractor will provide a mackup of a three valve manifold. 17 QUALITY ASSURANCE
- A. Comply with requirements of utility supplying water for prevention of backflow and backsiphonage.
- B Comply with requirements of authority with jurisdiction for irrigation systems C. Installer Qualifications: Engage an experienced installer who has completed minimum of 6 infigation systems similar in material, design, and extent to that indicated for Project that have resulted in construction with a record of successful in-service performance. Contractor must be a Certified Imgalion Contractor.
- D. Listing/Approval Stamp, Label, or Other Marking: On equipment, specialties, and accessories made to specified standards.
- isting and Labeling: Equipment, specialties, and accessories that are listed and labele.

  The Terms "Listed" and "Labeled": As defined in "National Electrical Code," Article 2. Listing and Labeling Agency Qualifications: A "Nationally Recognized Testing

types, manuracurers, and models indicated. Components with equal performanc characteristics produced by other manufacturers may be considered, provided deviations dimensions, operation, and other characteristics do not change design concept or intends performance as judged by the Architect, unless noted "No Substitute". The burden of pro of product equality is on the Contractor. Refer to Division 1 Section "Product Substitution No requests for substitutions will be reviewed after bits have been received by \*Nover\*

Laboratory' (NRTL) as defined in OSHA Regulation 1910.7

- 1.8 PROJECT CONDITIONS
- Perform site survey, research public utility records, and verify existing utility locations. Verify that irrigation system piping may be installed in compliance with original design and referenced standards. Report to the Landscape Architect in writing any contradictions
- te Information: Reports on subsurface condition investigations made during design of oject are available for informational purposes only; data in reports are not intended oresentations or warranties of accuracy or continuity of conditions (between soil boring Owner assumes no responsibility for interpretations or conclusions drawn from this
- Maintain uninterrupted water service to building during normal working hours. Arrange fit temporary water shutoff with Owner.
- 1.10 EXTRA MATERIALS
- A. Deliver extra materials to Owner. Furnish extra materials matching products installed as described below. Package them with protective covering for storage and label clearly
- Quick Couplers: Furnish quantity of units equal to 10% of amount of each size installed Sprinklers: Furnish quantity of units equal to 10% of amount of each type installed, but not less than 10.
- Dripper Tube: Furnish quantity of units equal to 10% of amount of each type installe
- Unpper Luce: Furnish quantity of tree-handle units equal to 25% of amount of each type installed.
   Valve Reys: Furnish quantity of tee-handle units equal to 25% of amount of each type key-operated, control valve installed, but not less than 2 each.
   Quick Coupler Hose Swivets: Furnish quantity of units equal to 25% of amount of each type quick coupler installed, but not less than 2.
- Quick Coupler Operating Keys: Furnish quantity of units equal to 25% of amount of each type quick coupler installed, but not less than 3.
- 1 11 WADDANTVICHADANTEE
- A. During the period of one (1) year from and after the final acceptance of the complete irrigation system, the Contractor shall at his own expense, make all needed repairs or replacement due to defective workmarship or materials which in the ludoement of the One. replacement due to detective sortimanship or materials which in the judgement of the Owner or Owner's representative, shall become remeastry during such proposed. If, within sweet (T) the Contractor or his agent, requesting such repairs or replacement, the Contractor shall registed to make repairs. Owner may make such repairs at the Contractor's sequence. In the registed to make repairs, Owner may make such repairs at the Contractor's sequence. In the hazard or demangle to persons or property, then regards, replacement and security, both temporary and/or personner, may be provided by such persons as the Owner may employ, verbal communication with Contractor without notice being sent to the Contractor, and Contractor shall pay all costs related thereto.
- C. During the guarantee period, the Contractor will drain the system in the fall and put the system back into operation in the Spring. This work shall be done in the presence of the Owner's representative and maintenance personnel.
- A. Any deviation from plan layout should be indicated on the final "Record" Drawings Contractor shall make an exact measured and dimensioned drawing showing locations of all piping, wiring, control, valves and quick coupler valves.
- C. The Contractor shall supply the Landscape Architect with record drawing information in AutoCadd format before final acceptance of the impation system. The following shall be included on Impation Record Drawings. In addition, provide a reduced color-coded drawingle; showing all zones and assigned valves.
- Note all points of connection (P.O.C.) include tap size, line size and static water pressure (P.S.I.) of service.
- Provide name and phone number of the servicing water purveyor include the name and date the installer was completed and the date the as-built drawing was approved.
- - Water Meters
  - Pressure Reducing Valves (note pressure sett
     Filters
- Stop and Waste
- Master Control Valves
   Control Wire Junction Boxes
- Pumps
- Flow Sensors

- Manual Drain Valves and Sumps
- Remote Control Wire (label both ends in junction box)
- Controller Location(s) (Note manufacturer, model, size and number of station used)
- Note and identify location(s) of existing utility systems as encountered during allation, i.e.; gas, phone, sewer, etc. Air Release Valves
- 4. Indicate and show the following additional components installed on the
- All Sprinkler Heads
   Lateral Lines and Sizes
- · Lateral Lines Sleeves and Size . Manual or Automatic Flush Valves
- 1.13 PRODUCT DELIVERY, STORAGE AND HANDLING
- A. Deliver irrigation system components in manufacturer's original undamaged and unopened containers with labels intact and legible.
- B. Deliver plastic piping in bundles, packaged to provide adequate protection of pipe ends, both
- ivide secure, locked storage for valves, sprinkler heads, and similar components that snot be immediately replaced, to prevent installation delays.
- A. Available Manufacturers: Subject to compliance with requirements, manufacturers products that may be incorporated in the work include, but are not limited to, the folio
- Pressure Regulators
   Bermad.
   Conbraco Industries, Inc.
  - Honeywell Braukmann. Watts Regulator Co.
- Wilkins Regulator Div. Zurn Industries Inc. 2. Gate Valves for Underground Installation

Stockham Valves & Fittings. Inc. Corporation Stone for Underground Installation

Waterous Co.

- Ford Meter Box Co. Inc. Have Div. Demos led

- Grinnell Supply Sales Co., Grinnell Corp.
- Nibro Inc Stockham Valves & Fittings Inc.
- Walendh Co
- Hunter Industries
- Toro Irrigation Control Valve Boxes Ametek by Plymouth Products Div AMETEK
- Brooks Products, Inc., Polyplastics Div.
- DFW/HPI by Hefco Plastics, Inc. National Diversified Sales, Inc.
- Quick Couplers
  a. Rain Bird Sprinkler Mfg. Corp. (Design Standard)
- b. Hunter Industries Toro Irrigation
- Rain Bird Sprinkler Mfg. Cor Hunter Industrie
- c. Toro Irrigation 9. Dripper Tubes, and Devices Netafim Inc (Design Standard) h Hunter Industries Rain Bird Sprinkler Mfg. Corp.
- Pacific Western Extruded Plastics Co. Eagle Pacific Industries, Inc. J-M Manufacturing Company, Inc.
- Rainbird Sprinkler Mfa
- Hunter Industrie Toro Irrigation 12 Word
- Paige Electric Co. (or approved equal) Netafim, Inc. (Design Standard)
- 14. Backflow Prevention Device
- b. Watts Regulator Co
- b. Hunter Industries (Design Standard c. Toro Irrigation
- 2.2 PIPES AND TURES A. Refer to Part 3 Article "Piping Applications" for identification of systems where pipe and tube materials specified below are used.
- PVC Socket Fittings: Schedule 40: ASTM D 2466. Polyvinyl Chloride (PVC) Plastic Pipe: ASTM D 1785, PVC 1120 compound, Schedule 80

  1. PVC Socket Fittings: Schedule 80: ASTM D 2467.

  2. PVC Threaded Fittings: Schedule 80: ASTM D 2464.
- D. PVC, Pressure-Rated Pipe: ASTM D 2241, PVC 1120 compound, SDR 21 Bell and Ring for pipe 4" and larger. E. Flexible Polyethelene Pipe: Rain Bird SPX-Flex-100. Nominal inside dia. 0437 pressure rated at 80 psi at 110°F.
- B. Cast-Bronze Flanges: ASME B16.24, Class 150, raised ground face, bolt holes spot faces
- C. Polyvinyl Chloride (PVC) Plastic Pipe Fittings: ASTM D2467, Schedule 80, socket-type and ASTM D2464, Schedule 80, threaded fittings.
- D. Polyvinyl Chloride (PVC) Plastic Pipe Fittings: ASTM D2467, Sch ASTM D2464, Schedule 40, threaded fittings.
- F. Polyvinyl Chloride (PVC) Plastic Pipe Fittings: ASTM D2467, Schedule 40, socket-type.
- G. Ductile Iron: Deep Socket Cast Iron Fittings: ASTM A536, on all main line pipe 2½" or larger. H. Mechanical Joint: Mechanical Joint Steel Fittings: AWWA A21.10

25 VALVES

- A. Refer to Division 15 Section "Basic Mechanical Materials and Methods" for joining materials
- Solvent Cement: ASTM F656 primer and ASTM D2564 solvent cement in color other than orange. Weld-on IPS P-70 primer and weld-on IPS PVC 711, plastic pipe cement.
- C. Gaskets for Plastic Flanged Joints: Materials recommended by plastic pipe and fittings
- D. Gaskets for Plastic Joints: Trans gaskets as recommended the fittings r
- A. General: Valves are for general-duty and underground applications. Refer to "Valve Applications" Article for locations of various valve types specified in this Article. Refer to "Control Valves" Article for control valves and accessories and "Backflow Preventers" Article.
- A. Nonrising Stem Gate Valves 3-inches (DN 80) and Larger: AWWA C500, cast-iron double disc, bronze disc and seal rings or AWWA C509, resilient sealed; bronze stem, cast-iron, or ductile-iron body and bornet, stem nut, 200 psig (1938) Psig valvering presure; and ends that fit NPS dimension, PVC pipe. Include elastomeric gaskets. All gate valves shall be domestic, resilient wdgs gate avolute.
- B. Valve Boxes: Cast-iron box with top section and cover with lettering "WATER," bottom section with base to fit over valve and barrel approximately 5-inches (127 mm) in diameter and adjustable cast-iron extension of length required for depth of bury of valve. Provide steel tee-handle shutoff rod with each valve box. Include tee-handle, shutoff roc with one pointed end, stem of length to operate valve, and end fitting valve operating
- Service Baxes for Curb Stops: Cast-iron box with telescoping top section of length rec for depth of bury of valve. Include cover with lettering "WATER" and bottom section base of size to fit over curb stop and barrel approximately 3-inches (75 mm) in diameter.
- Provide steel tee-handle shutoff rod with each service box. Include tee-handle, shutoff rod with one pointed end, stem of length to operate curb stop, and slotted end fitting. E. Bronze, Nonrising Stem Gate Valves, 2-Inches (DN 50) and Smaller. MSS SP-80, Type 1, solid wedge, nonrising, copper-silicon-alley stem; Class 125, body and screw bonnet of ASTM B 62 cast brorze, with breaded or solider-joint ends. Include polyterfaultoroethylene (PTFE) - impregnated packing, brass packing gland, and malleable-iron handwheel.

- F. Plastic Valves: Polyvinyl Chloride (PVC) Plastic, with 150 psig (1035 kPa) mi
- Boll Volves: Boll volves shall be solld bronze meeting Federal Seeffloation WH-V-5-4, CLASS A, TMFL I. Size shall be the same size the up-streen side of the electric remote control volve morifold and in the same volve box. NOTE: Only one (1) ball volve required permontfold.
- H. Stop and Waste Valves: Stop and waste valves shall be solid meeting Federal Specification WW-V-54, CLASS A, TYPE I. Pro 8' round valve box over the PVC stand pipe.
- Drain Valves: All drain valves shall be %" brass full turn hall cocks and installed as ne on the Drawings. Valves shall be tested for 150 psi working pressure. This valve is to be
- J. Valve Bank Isolation: Provide a domestic brass ball valve with a minimum 200 psi rating. Valve shall be an Apollo model 70 series or approved equal.
- 2.6 BACKFLOW PREVENTERS
- Description: ASSE Standard backflow preventers, of size indicated for maximum flow rate and maximum pressure loss indicated.
- Working Pressure: 150 psig (1035 kPa) minimum except where otherwise indicated.

  2-inches (DN 50) and Smaller: Bronze body with threaded ends.

  2/-inches (DN 65) and Larger: Bronze, cast-iron, steel or stainless-steel body with flanged ends.
- a. Interior Protective Coating: AWWA C550, epoxy coating for backflow preve with cast-iron or steel body.
- Strainer supplied with and compatible for size and capacity with unit, on inlet, where strainer is indicated. Reduced-Pressure-Principle Backflow Preventer: ASSE 1013, with (OS&Y) gate valves on inlet and outlet and strainer on inlet. Include test cocks and pressure differential relief valve with ASME A112.1.2 air-gap fitting located between two positive-seating check valves for continuous pressure application.
- Pressure Loss: 15 psig (103 kPa) maximum, through middle third of flow range.
   Gate valves supplied with and compatible for size and testing of unit on inlet and or Valves Z-inches (DN 50) and smaller may be ball valves if these are unit manufactus standard valve for this application.
- A. Description: Manufacturer's standard control vales for circuits, of type and size indicated, and
- Manual Control Valves: MSS SP-80 Class 125 clohe valve Key-Operated Manual Control Valves: MSS Sp.80. Class 125. plobe valves. fitted for
- Automatic Control Valves: Diaphragm-type, normally closed, with manual flow adjustment, and operated by 24-volt-a.c. solenoid. B. Control Valve Boxes: Carson Brooks Polyethylene (PE), or approved equal, box and cover
- Drainage Backfill: Cleaned 1/4" x #8 gravel or crushed stone, 6" deep Foundation: Provide a pressure treated foundation of 4'x4' lumber
- 3. Valve boxes shall be of sufficient size to house electric remote control valves with nions, and still allow room for maint similar operations. Boxes shall have lock down lids and shall meet ASTM D638 for tensile strength of 4,300 pounds per square inch.
- Limit the number valves per valve box. Service Boxes for Key-Operated Control Valves. Cast-iron box with telescoping top section of length required for depth of bury of valve. Include cover with lettering "WATER," and bottom section with base of size to fit over curb stop and barrel approximately 3-inches (76 mm) in diameter. Include valve key, 36-inches (915 mm) long with tee handle and key end to fit valve.
- 2.8 SPRINKLERS Description: Manufacturer's standard sprinklers designed to provide uniform of entire area of spray shown on Drawings at available water pressure, as follows:
- 2. Pop-up, Spray: Fixed pattern, with screw-type flow adjustment and stainless steel Pop-up, Rotary Spray: Gear drive, full-circle and adjustable part-circle type
   Bubblers: Fixed pattern, with screw type flow adjustment.
- A. Description: Low-voltage controller system made for control of irrigation system automatic control valves. Controller operates on 120 volts a.c. building power system, provides 24 volts a.c. power to control valves.
- B. Connect all valves to existing base line controlle
- 1. Feeder Circuit Cables: Type UF, No. 14 AWG minimum, between valves and controllers 2. Control Wiring: Rain Bird, MaxiCom approved signal communication wire, Type PE39 E. Valve wire sizing chart: See Appendix A at end of section.
- 2.10 SLEEVES
- A. Sleeve Tape: Provide 'Deep~1" Sleeve Magnets for marking irrigation
- 2.11 IDENTIFICATION
- interfering with any future disassembly of fitting or piping. All main lines shall have a thrust block of poured concrete installed at each change

# direction. The thrust block shall be of sufficient size for the pipe involved and rest on undisturbed ground. Construct as follows:

STED 2

STED 1 Multiply the working pressure by the appropriate value shown in the following table to obtain total thrust in N (lb.):

PIPELINE THRUST FACTORS \*

Pipe size		De	ad end	90°	45°	22*	
	in.	mm	or tee	elb	OW	elbow	
3"	89	9.80	13.90	7.51	3.82		
3 1/5"	102	12.80	18.10	9.81	4.99		
4"	114	16.20	23.00	12.40	6.31		
5"	141	24.70	35.00	18.90	9.63		
6"	168	34.80	49.20	26.70	13.60		
8"	219	59.00	83.50	45.20	23.00		
10"	273	91.50	130.00	70.00	35.80		

- BEARING STRENGTH OF SOILS

Soils and safe bearing loads | Ib/ft5 40.000 Cemented gravel and sand difficult to pick 200 Coarse and fine compact sand 3.000 Medium clay - can be spaded 2.000 Muck

See Soils Report for soil type

Divide the total thrust obtained in Step 1 by the bearing strength of the soil to get the are needed, m5(fit5).

SIDE THRUST ALTERNATIVE PROCEDURE mm 17 10 28 30 125.00 60.80 270.50

711 70 4 000 00 \* Based on side thrust per 689 kPa (100 PSI) pressure per degree of deflection

NOTE: Multiply side thrust from table by degree of deflection times kPa (PSI) divided by 100

273 160.00

- A. Investigate and determine available water supply, water pressure and flow characteristics B. Prior to installation of irrigation system, the contractor must verify the supply pressure at the work sits. If there is a failure to obtain the needed pressure or if an excess pressure situation exists for normal operation, the contractor must contact the owner for any adjustments to the resion, and any installation done prior to notification of owner shall be done at the expense of the contractor.
- A. Set stakes or flags to identify proposed sprinkler locations. Obtain Architect's approval
- A. Cutting and patching of asphalt paving is specified in Division 2 Section "Hot-Mixed Asphalt Paving."

- A. Refer to Part 2 of this Section for detailed specifications for pipe and fittings products listed below. Use pipe, tube, fittings, and joining methods according to the following applications. Piping in pits and aboveground may be joined with flanges instead of joints indicated.
- B. Use pipe, tube, fittings, and joining methods according to the following applications C Pressure Dining Underground: Use the following 3-inches (DN 80) and Smaller: ASTM D 1785, Schedule 40, polyvinyl ch plastic pipe; ASTM D 2466, Schedule 40, PVC plastic, socket-type pipe
- 2. 3-inches (DN 80) and Larger: ASTM D 2241, Class 200, polyvinyl chloride (PVC) plastic

3.5 JOINT CONSTRUCTION

- D. Circuit Pining: Use the following: All Sizes: ASTM D 1785, Schedule 40, polyvinyl chloride (PVC) plastic pipe; ASTM D 2466, Schedule 40, PVC plastic, socket-type fittings; and solvent-cemented joints.
- E. Branches and Offsets at Sprinkler and Devices: ASTM D 1785, Schedule 80, polyvin chloride (PVC) plastic pipe with threaded ends; ASTM D 2464, Schedule 80, PVC plasti threaded fittings; and threaded joints.
- G. Sleeves: All sleeves shall be a minimum of 4" diameter ASTM D 1785, Schedule 40, polyvinyl chloride (PVC) plastic pipe; ASTM D 2466, Schedule 40, PVC plastic socket, one fittings; and solvent, remented in ints
- All sleeves shall be marked by duct toping a "Deep~1" Magnate on both ends of the sleeve at all locations.
- Flanged Joints: Align flanges and install gaskets. Assemble joints by sequencing bolt tightening. Use lubricant on bolt threads. Threaded Joints: Thread pipes with tapered pipe threads according to ASME B1.20.1, apply tape or joint compound, and apply wrench to valve ends into which pipes are being threaded.
- C. Polyvinyl Chloride (PVC) Pining Gasketed Joints: Construct joints between AWWA-type, cast-iron valves and NPS PVC pipe; with elastomeric seals that fit pipe diameter and valve ends; and lubricant, according to ASTM D 3139. D. Polyvinyl Chloride (PVC) Piping Solvent-Cemented Joints: Construction joints according to 2672 and ASTM D 2855.
- C. Install piping at a uniform slope of 6-inches per 100-feet (1:200) minimum, down to drain
- D. Install components having pressure rating equal to or greater than system operating
- H. Piping Connections: Except as otherwise indicated make piping connections.
- 3. Install dielectric fittings to connect piping of dissimilar metals.

G. Install fittings for changes in direction and branch connections.

MHTN ARCHITECTS MHTN Architects, Inc. 420 East South Temple Suite 100 Salt Lake City, Utah 84111 Telephone (801) 595-6700 Telefax (801) 595-6717 www.mhth.com

City Engineer City of South Jordan Approved 01/10/2023

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MANDSCAPE

CONSTRUCTION DOCUMENTS IRRIGATION

**SPECIFICATIONS** 29 LI562

### 3.7 TRENCHES:

- A. Trenches shall be dug as wide and deep as necessary to properly place the sprinking system according to the requirements herein. Any rock uncovered in this excavation shall not be left in the backfill. All excess rock shall be removed from the step this Contractor and legally disposed of off the property. All trenches shall be backfilled and compacted to insure no setting of the surface, after the lam is plant.
- B. If backfill soil is rocky or lumpy, protect the pipe and the pipe conduit with 8" of sand or loose rock free, soil under, over and on sides of pipe. Avoid putting large rocks against pipe during backfilling operation. See detail.
- C. All trenches must be compacted to 90% in 6° lifts and watered in Lines from control valves shall be installed after topsoil is in place and properly graded.
- D. This Contractor, in placing the sprinking lines, etc., may uncover material not suitable for festated gading. This material shall be removed from the site by this Contractor. After the original condition, using additional proposal strip Contractor's operate. If this is necessary. The upper 6° of topsoil removed in the excussion of terriches for pipeline shall be conserved and lept separate from subcolo and irricatabled without mining with other soil.
- E. Trenches where more than one pipe is to be installed, a distance of 6" is to be maintained between each pipe. No exceptions.
- F. All trenches are to be 12" away from all curbs, buildings and sidewalks. No exceptions

### 3.8 PIPING INSTALLATION

minimum 6 cubic feet.

- A. Install underground polyvinyl chloride (PVC) plastic pipe according to ASTM D 2774.
- B. Lay piping on solid sub-base, uniformly sloped without humps or depress Slope circuit piping down toward drain valve minimum of ½-inch in 10-feet (1:240).
- 10-reet (1:240).

  2. Install polywhyl chloride (PVC) plastic pipe in dry weather when temperature is above 40 deg. F (4 deg. C). Allow joints to cure at least 24-hours at temperature above 40 deg. F (4 deg. C) before testing, unless otherwise recommended by manufactures.
- C. Drain Pockets: Excavate to sizes indicated. Backfill with cleaned gravel and crushed stone, graded from 3-inches (75 mm) to 5-inch (19mm) minimum, drain material to 12-inches (300 mm) below grade. Cover drain material with sheet of ASTM D 266. Type III, asphalt-alturated felt and backfill remainder with excavated material. Drain pocket to be
- D. Minimum Cover: Provide following minimum cover over top of buried piping
- Pressure Piping: Greater depth of minimum of 18-inches (600 mm) below finished grade.
- 2. Circuit Piping: 12-inches (380 mm) 3. Drain Plaina: 12-inches (380 mm).
- 4. Sleeves: 18-inches (600 mm).
- E. Install piping under sidewalks and paving in sleeves.
- F. All pipe threads shall be sealed with Teflon tape and pipe thread compound G, All glue joints to be set 24 hours prior to pressurization
- 3.9 FLUSHING AND PRELIMINARY TESTING
- A. Flash and test each zone after installation of new piping, swing pipe and prefab swing joint Flash and test each zone after intrastation or new piping, awing pipe and pretain awing joint, but before installation of heads and before backfilling is complete. Open control valve completely and flush with a full head of water. Each automatic valve shall then be disassemibled, inspected for rocks, cleaned and re-assembled. Install heads and test each zone for coverage.
- B. Testing will be performed after completion of each circuit and again after the completion of the entire system. All repair work will be made at the contractor's expense.
- 3 10 DACKELOW DDEVENTED INSTALLATION
- A. Install backflow preventers of type, size, and capacity indicated. Include valves and test cocks. Install according to plumbing code and health department authorities with jurisdiction.
- B. Install pressure-type vacuum breakers minimum of 12-inches (300 mm) above downstream
- C. Do not install bypass around backflow preventer.
- D. Do not install backflow preventers with drains or vents in pits or areas subject to flooding.
- E. Support backflow preventers, valves, and piping on 3,000 psi (20.7 MPa) minimum, Portland-Cement-Mix concrete piers.
- Drawings indicate valve types to be used. Where specific valve types are not indicated, following requirements and/or.
- Buried Valves 3—inches (DN 80) and Larger: AWWA, gate valves, non-rising stem, with stem nut and valve box.
  - Buried Valves 2—inches (DN 50) and Smaller: Bronze-body, curb stop, with tee head, service box and shutoff rod.

### 3.12 VALVE INSTALLATION

- Install valves and SCH 80 polyvinyl chloride (PVC) pipe with restrained, gasketed joints Do not install at low spots.
- Install all valves with SCH 80 PVC pipe running through the manifold. SCH 80 PVC to extend to the outside edge of the valve box on each side.
- B. Curb Stops: Install underground curb stops in service boxes.
- D C. Control and Ball Valves: Install in valve control valve boxes, arranged for easy adjustment and removal. Install unions with one (1) on upstream side at each valve manifold.
- D. Control valves shall be located as close as possible to where shown on drawings. Avoid locating valves in areas of high pedestrian or vehicular traffic.
- E. Provide isolation valve at all valve bank locations.
- 3.13 VALVE WIRING
- A. Connect all valves to the irrigation control system as per manufacturer's recommendations Valve wire installations wiring shall be enclosed in adequate size PVC electrical conduit
- All splices shall be enclosed in a plastic valve box and noted on "as built" drawings At Y in two wire paths "Paige Decoder cable fuse device" shall be installed or
- All splices shall be enclosed in a plastic valve box and noted on "as built" drawings.
- C. Wires run in same trench as main pressure line or any other pipe shall be set a minimum of 41 from pipe to allow for maintenance access. Wire shall run parallel to pipe and not way around or go under pipe unless care is taken to allow clearance for maintenance access.
- D. Grounding shall be done according to manufactures specifications
- 1 Refore the controller
- Every five valves in field or 500ft.
- 3 Install line surge protector at termination of two wire nath
- Each installed grounding system shall maintain a maximum ground resistance of 10 ohms, or less
- Refer to the decoder manufacturer recommendations and documentation for proper specifications on grounding systems installation and grounding system design
- 6. Grounding rods shall be installed in plastic valve box and noted on "as built" drawings.
- A grounding test shall be performed on all grounding elements paid for by the
- A. Sprinklers: Flush circuit piping with full head of water and install sprinklers after

Install lawn sprinklers at manufacturer's recommended heights

- Locate part-circle sprinklers to maintain a minimum distance of 12-inches (400 mm) from walls and 2-inches (50 mm) from other boundaries, unless otherwise indicated.
- 8. All sprinkler heads and valve boxes shall be set flush with finish grade unless otherwise specified. Contractor shall insure tops of heads and boxes remain at finish grade, and adjust as required. If any settlement occurs within the 1 year warranty period, the contractor will be required to place such areas back in satisfactory condition, using additional topsoil and new soil if necessary.
- 3.15 AUTOMATIC CONTROL SYSTEM INSTALLATION
- A. Install controllers according to manufacturer's written instructions and as indicated.
- B. Pedestal mount irrigation controller in the location shown and as directed by the Owner as
- Run one extra wire from the adjacent controller to each group of valves for future use and shift into the valve hox.

- A. Connect piping to sprinklers, devices, valves, control valves, specialties, and accessories
- Connect water supplies to irrigation systems. Include backflow preventers on potable water supplies. Include automatic filters on secondary water supplies.
- C. Electrical Connections: Connect to power source, controllers, and automatic control valves
- D. Minimum requirements for electrical installations are specified in Division 16. E. Ground systems according to Division 16 Section 'Grounding.
- 3.47 FIELD OUR UTV CONTROL
- Testing: Perform hydrostatic test of piping and valves before backfilling trenches. Piping may be tested in sections to expedite work.
- Cap and subject the piping system to a static water pressure of 50 psig (345 kPa) above the operating pressure without exceeding pressure rating of piping system materials. Isolate text source and allow to stand for 4-hours. Leaks and loss in test pressure constitute defects that must be repaired.
- Repair leaks and defects with new materials and retest system or portion thereof until satisfactory results are obtained.
- 3 Notify Architect 24 hour in advance of pressure testing so test may be observed

### 3.18 CLEANING AND ADJUSTING

- A. Flush dirt and debris from piping before installing sprinklers and other devices.
- A. Adjust automatic control valves to provide flow rate of rated operating pressure required for
- B. Carefully adjust lawn sprinklers so they will be flush with, or not more than ½-inch (13 mm) above, finish grade after completion of landscape work.
- C. Adjust settings of controllers and automatic control valves

### 3.19 COMMISSIONING

- A. Starting Procedures: Follow manufacturer's written procedures. If no procedures are
- 1. Verify that specialty vales and their accessories have been installed correctly and
- Verify that specified test of piping are complete
- 3. Check that sprinklers and devices are correct type
- Check that damaged sprinklers and devices have been replaced with new materials.
- Check that potable water supplies have correct type backflow preventers.
- 6. Energize circuits to electrical equipment and devices.
- Adjust operating controls
- Operational Testing: Perform operational testing after hydrostatic testing is completed, backfill is in place, and sprinklers are adjusted to final position.
- C. Provide irrigation system layout and diagram in CADD format with water zones clearly identified. Layout to be color coded with a maximum of 5 colors for easy legibility. Record water budget for each irrigation control zone and current settings. Provide laminated copy and mount near controller. Verify location with Architect.

- Demonstrate to Architect that system meets coverage requirements and that automatic controls function properly.
- Demonstrate to Owner's maintenance personnel operation of equipment, sprinklers, specialties, and accessories. Review operating and maintenance information.
- C. Provide 7-days' written notice in advance of demonstration
- D. System Operation Test / Substantial Completion Inspection
- During the Substantial Completion Inspection, the entire system, both electric and hydraulic, will be tested in the presence of the Landscape Architect and the Owner's Representative to insure COMPLETE coverage of all areas to be watered. Any deficiencies identified at this time will require revisions by the Contractor at the Contractor's expense.

A. All irrigation systems are typically winterized October 15<sup>th</sup>. If the Substantial Completion Certificate has not been issued by this date, it will be the responsibility of the Contractor to work with the Owner to winterize the system. The Contractor to the be responsible to assist in the activation of the system in the Spring to insure there are no problems.

APPENDIX A ALLOWABLE AVERAGE DISTANCES FROM CONTROLLER TO VALVES

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**AUTOMATION** SILVERSTONE

N GATEWAY CITY, UT 84117 LC DINGS10 JORDAN C 10096 S. SOUTH J 무

MHTN

ARCHITECTS

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CONSTRUCTION DOCUMENTS

**□** IRRIGATION **SPECIFICATIONS** 

City Engineer

City of South Jordan

Approved 01/10/2023

City Engineer

CONT 30 <del>دا5CI</del>

### 1.1 DELATED DOCUMENTS

Drawings and general provisions of the contract, including General an Conditions and Division 1 Specification Sections, apply to this Section

- This Section includes valves, piping, drip tube, sprinklers, specialties and ac irrigation systems. This section does not override any of the requirements of 0328400.
- B. Field verify capacity of the existing irrigation system complete including but not limited to flow, capacity, controller operation and etc.
- C Delated Sections: The following Sections contain requirements that relate to this Section:
- Section 011000 "Summary".
   Section 329301 "Landscape Planting".
   Section 328400 "Irrigation System".

### 1.2 DECINITIONS

- A. Piping sizes used in this Section are normal pipe size (NPS) in inches. Tube sizes are standard size in inches. Equivalent SI (metric) sizes are indicated in millimeters (mm) in
- Supply Piping: Piping from water source to connection to irrigation system pressure piping.
   Piping is under same pressure as water supply. Piping in this category is not included in this Section.
- Piping is under irrigation system pressure. Piping in this category includes pressure regulators, water meters, and backflow preventers, when used.
- Circuit Piping: Piping downstream from control valves to irrigation system sprinklers, emitten devices, and drain valves. Piping is under pressure (less than pressure piping) during flow.
- Control Valve: Manual or automatic (electrically operated) valve for control water flow to irrigation system zone, including isolation or zone valves.

### 1.4 SYSTEM PERFORMANCE REQUIREMENTS

- General: Submit the following according to the Conditions of the Contract and Division Specification Sections.
- B. Product data including pressure rating, rated capacity, settings, and electrical data of selected models for the following:
- 1. Integral pressure-compensating, continuously self-cleaning, check valve and anti-drain
- disper line. 2. Pressure regulators. 3. Valves, including general-duty, underground, manual and automatic control, and quick-coupler types, and valve boxes. 4. Sprinkers and devices. 5. Flush Valves. Flush Valves.
- . Filters.
- Air/Vacuum Relief Valves
- 8. Pipe, including sleeves, lateral, supply, conduit and drain.
- C. Maintenance data for inclusion in 'Operating and Maintenance Manual' specified in Division 1 Section "Project Closeout" for the following

- Dripper line.
   Pressure regulators.
   Valves, including general-day, underground, manual and automatic control, and quick couplet lyses, and valve boxes.
   Sprinters and orderices.
   Plant Valves.
   Filters.

- Air/Vacuum Relief Valves
- 8 Pine including sleeves lateral supply conduit and drain
- 1.6 OLIALITY ASSURANCE
- Comply with requirements of utility supplying water for prevention of backflow and
   backflow and
- B. Comply with requirements of authority with jurisdiction for irrigation systems
- C. Installer Qualifications: Engage an experienced installer who has completed minimum of 6 irrigation systems similar in material, design, and extent to that indicated for Project that have resulted in construction with a record of suscessful in-service performance.
- The successful contractor shall, at the time of bid and award, have at least one registere CC (trigation Association Certified Inrigation Contractor) with a current certification and who is a direct employee of the Irrigation Contractor. The CIC shall meet with the University Landscape Maintenance Department on site at least weekly to review the progress of the Work.
- D. Electrical Components, Devices and Accessories: Listed and labeled at defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- E. Irrigation Components, Devices and Accessories: Listing, Label, or Other Marking: Th manufacturer's markings and labels to be clearly stamped on all equipment, specialties, and accessories made to specified standards.
- F. Product Options: Inrigation system piping, specialties, and accessories are based on specific types, manufacturers, and models indicated. Components with equal performance characteristics produced by other manufacturers may be considered, provided deviations in dimensions, operation, and other characteristics do not change design concept or intended performance as judged by the Architect, unless noted "No Substitute." The burden of proof. of product equality is on the Contractor. Refer to Division 1 Section 'Product Substitution' No requests for substitutions will be reviewed after bids have been received by Owner
- 1.7 PROJECT CONDITIONS
- Perform site survey, research public utility records, and verify existing utility locations. Verify that irrigation system piping may be installed in compliance with original design and referenced standards.
- B. Site Information: Reports on subsurface condition investigations made during design of the Project are available for informational purposes only, data in reports are not intended as representations or warranties of accuracy or continuity of conditions (behaves soil borings). Owner assumes no responsibility for interpretations or conclusions drawn from this information.
- Maintain uninterrupted water service to building during normal working hours. Arrange for temporary water shutoff with Owner.

- A. Deliver extra materials to Owner. Furnish extra materials matching products installed described below. Package them with protective covering for storage and label clearly describing contents.
- 1. Dripper Tube: Furnish quantity of units equal to 10% of amount of each type inst
- A. During the period of one (1) year from and after the final acceptance of the completed Louing late to the contractor shall all all so one expense, make all needed repairs or replacement due to the Contractor shall all so one expense, make all needed repairs or replacement due to detective workmanlport or materials which in the judgement of the Owne or Owner's representative, shall become necessary during such period. If, within seven (7) calendar days after making of the written such expenses or of the contractor or the contractor to shall be making or of the contractor shall be contractor to formation of the such as the contractor shall contractor that the contractor or placement, the Contractor shall contractor to contractor shall contract the contractor of contractor shall contract the contractor of contractor shall contract the contractor contractor shall contract the contractor contractor

- neglect to make repairs. Owner may make such repairs at the Contractor's expense. In the case of emergency where, in the judgement of the Owner, delay could cause serious loss, the case of emergency where, the pudgement of the Owner, delay could cause serious loss, the program yating remained, may present only the pudgement of the Owner of t
- B. The guarantee shall be in the form of a letter from the Contractor addressed to the Owner. The letter shall incorporate the language stated above and be signed by an authorized office/language of the Contractor.
- C. During the guarantee period, the Contractor will drain the system in the fall and put the system back into operation in the spring. This work shall be done in the presence of the Owner's representative and maintenance personner.
- A. Any deviation from plan layout should be indicated on the final "Record" Drawings. This Contractor shall make an exact measured and dimensis piping, wiring, control, valves and quick coupler valves.
- Record Drawings shall be furnished to the Landscape Architect at the time of Substanti Completion Inspection before a letter of Substantial Completion for the imigation sprinkle system will be issued.
- C. The Contractor shall supply the Landscape Architect with record drawing information in AutoCAD format before final acceptance of the imigation system.
- 1.12 PRODUCT DELIVERY STORAGE AND HANDLING
- er irrigation system components iii viners with labels intact and legible.
- Deliver plastic piping in bundles, packaged to provide adequate protection of pipe ends, both threaded or plain.
- C. Store and handle materials to prevent damage and deterioration
- Provide secure, locked storage for valves, sprinkler heads, and similar components that cannot be immediately replaced, to prevent installation delays.

- 2.4 MANUEACTURERS

- Pressure Regulators
   Rain Bird Sprinkler Mfg. Corp.
   Netafim USA
- c. Hunter Industries
- 2 Automatic Control Valves
- Rain Bird Sprinkler Mfg. Corp. (Design Standard)
- Rain Bird spinniser http://corp. (Design Stands control Valve Boxes
   Ametek by Plymouth Products Div., AMETEK Brooks Products, Inc., Polyplastics Div.
   Carson Oldcastle.
- Sprinklers Hunter Industries
- Rain Bird Sprinkler Mfg. Corn

- Hunter Industries Rain Bird Sprinkler Mfg. Corp
- Netafim USA Flush Valves
- Hunter Industries Rain Bird Sprinkler Mfg. Corp

- Rain Bird Sprinkler Mfg. Corp.
- Netafim USA
- a. Pacific Western Extruded Plastics Co. b. Eagle Pacific Industries, Inc. c. J-M Manufacturing Company, Inc.

- Refer to Part 3 Article "Piping Applications" for identification of systems where pipe and tube materials specified below are used.

- Refer to Part 3 Article "Piping Applications" for identification of systems where pipe and tube fitting materials specified below are used.
- Polyvinyl Chloride (PVC) Plastic Pipe Fittings: ASTM D2467, Schedule 40, socket-type and ASTM D2464, Schedule 40, threaded fittings.
- C. Polyvinyl Chloride (PVC) Plastic Pipe Fittings: ASTM D2467, Schedule 40, socket-typ
- 2.4 JOINING MATERIALS
- Refer to Division 15 Section "Basic Mechanical Materials and Methods" for joining materials not included in this Section.
- B. Solvent Cement: ASTM F656 primer and ASTM D2564 solvent cement in color other than
- 2.5 VALVES
- A. General: Valves are for general-duty and underground applications. Refer to "Valve Applications" Article for locations of various valve types specified in this Article. Refer to "Control Valves" Article for control valves and accessiones and "Backforw Preventers". Article
- C. Ball Valves: Ball valves shall be solid bronze meeting Federal Specification WW-V-35C, TYPE II, COMPOSITION: BZ, STYLE: 3. Size shall be the same size as the main line on which it is installed.

  Valves shall be installed on the up-stream side of the electric remote control valve manifold and in the same valve box. NOTE: Only one (1) ball valve required per manifold.
- 2.6 CONTROL VALVES
- A. Description: Manufacturer's standard control vales for circuits, of type and size indicated, and as follows:
  - Provide cast-bronze bodies, unless otherwise indicated.
  - Manual Control Valves: MSS SP-80 Class 125 plobe valves Key-Operated, Manual Control Valves: MSS Sp-80, Class 125, globe valves, fitted for
- Automatic Control Valves: Diaphragm-type, normally closed, with manual flow adjustment, and operated by 24-volt-a.c. solenoid. Hose Bibbs: Factory-fabricated assembly. Include coupler water-seal valve. Threads for garden hose on outlet; hose bibb to be in upright position. B. Control Valve boxes: Polyethylene (PE), acrylonitrile-butadiene-styrene (ABS), fiberglass polymer concrete, or precast concrete box and cover. Size as required for application.

. Drainage Backfill: Cleaned gravel or crushed stone, graded form 3-inches (75 mm) 2

- maximum to %-inch (19 mm) minimum Valve boxes shall be of sufficient size to house two (2) electric remote control valves with unions, and still allow room for maintenance without basing to excavate or perform similar operations. Boxes shall have look down lids and shall meet ASTM D638 for tensile strength of 4,300 pounds per square inch.
- 2.7 SPRINKLERS
- A. Description: Manufacturer's standard 12' pop up sprinklers used as a flag to indicate that the drip system is operating, as follows:
- Pop-up, Spray: Fixed pattern, with screw-type flow adjustment and stainless steel retraction spring.
- 2.8 DRIP LINE AND INTEGRAL DRIPPER LINE COMPONENTS

- 1. 17mm fittings: All connections shall be made with manufacturer approved 17mm insert fittings.

  2. Sol. Stages. All on-surface/under mulch dripline installations shall be held in place with 5.05 Stagles spaced everly every 3" to 5" on certifer, and with these staples on each change of localization of the content of the stage of the content of the

### DADE 2 EXECUTION

- 3.1 EXAMINATION A Investigate and determine available water supply water pressure and flow characteristics

- B. Use pipe, tube, fittings, and joining methods according to the manufacturer's specification
- 3-Inches (DN 80) and Smaller: ASTM D 2241, SDR 17, polyvinyl chloride (PVC) plast pipe; ASTM D 2467, Schedule 40, PVC plastic, socket-type pipe fittings; an
- D. Branches and Offsets at Sprinkler and Devices: ASTM D 1785, Schedule 80, polyvinyl chloride (PVC) plastic pipe with threaded ends; ASTM D 2464, Schedule 80, PVC plastic, threaded fiftings; and threaded joints.
- E. Sleeves: ASTM D 1785, Schedule 40, polyvinyl chloride (PVC) plastic pipe; ASTM D 2466, Schedule 40, PVC plastic, socket-type fittings; and solvent-cemented joints.
- 3.3 JOINT CONSTRUCTION
- A. Polyvinyl Chloride (PVC) Ploing Solvent-Cemented Joints: Construction joints according to ASTM D 2672 and ASTM D 2855. F 402 for safe handling when joining plastic pipe and fittings with solvent cements.
- 3.4 PIPING SYSTEMS COMMON REQUIREMENTS
- A. General Locations and Arrangements: Drawings indicated general location and arrangement of piping systems. Indicated locations and arrangements were used to size pipe and calculate friction loss, and nother design conciderations. Install piping as indicated, except where deviations to layout are approved on coordination drawings. B. Install piping at a uniform slope of 6-inches per 100-feet (1:200) minimum, down to drain
- Install components having pressure rating equal to or greater than system operating pressure.
- D. Install piping free of sags and bends
- E. Locate groups of pipes parallel to each other, spaced to permit valve servicing
- F. Install fittings for changes in direction and branch connections
- G. Piping Connections: Except as otherwise indicated make piping connections as specified below. Install unions, in piping 2-inches (DN 50) and smaller, adjacent to each valve and at final connection to each piece of equipment having 2-inch (DN 50) or smaller threaded pipe

- A. Trenches shall be dug as wide and deep as necessary to properly place the sprinkling system according to the requirements herein. Any rock uncovered in this excavation shall not be left in the backfill. All excess rock shall be removed from the site by this Contractor and legally disposed of off the property. All trenches shall be backfilled and compacted to
- B. If backfill soil is rocky or lumpy, protect the pipe and the pipe conduit with 8° of sand or loose, rock free, soil under, over and on sides of pipe. Avoid putting large rocks against pipe during backfilling operation.
- shall be installed after topsoil is in place and properly graded
- This Contractor, in placing the sprinkling lines, etc., may uncover material not suitable for finished grading. This material shall be removed from the site by this Contractor. After the conjunction of the contract of the original control using additional logical at this Contractor's agreement, this is necessary. The upper 6" of topsoil removed in the executation of tenches for pipeline shall be conserve and kept separate from subsoil and remissible without mining with other soil.
- E. Trenches where more than one pipe is to be installed, a distance of 6" is to be maintained between each pipe.
- F. All trenches are to be 12" away from all curbs, buildings and sidewalks. No exceptions
- A. Install underground polyvinyl chloride (PVC) plastic pipe according to ASTM D 2774.
- B. Lay piping on solid sub-base, uniformly sloped without humps or depressions Slope circuit piping down toward drain valve minimum of %-inch in 10-feet (1:240)
- soppe circum pigno own toward oran valve minimum of y-inch in 10-sec (1:240).
   Installi polyvinyl chloride (PVC) plastic pipe in dry weather temperature is above 40 deg. F (4 deg. C). Allow joints to cur least 24-hours at temperature above 40 deg. F (4 deg. C) b teating, unless otherwise recommended by manufacturer.
- C, Minimum Cover: Provide following minimum cover over top of buried piping Lateral Line Piping: 16". Main Line Pipe: 24" Inline Emitter Tubing: 2"
- D. Install piping under sidewalks and paving in sleeves
- 3.7 DRIP LINE INSTALLATION A. Install all drip line as indicated on drawings. Use only Teflon tape on all threaded
- B, When installing drip line on-surface, install soil staples as listed below:
- Sand Soil: One staple every three (3') feet and two (2) staples on each change of direction (tee, elbow, or cross).

- (tee, elbow or cross).
  3. Clay Soil: One staple every five (5') feet and two (2') staples on each change of directi (tee, elbow or cross).
- C. Cap or plug all openings as soon as lines have been installed to prevent the entrano materials that would obstruct the pipe. Leave in place until removal is necessary for completion of installation
- D. Install two Netafim or approved equal operation flags, per each drip line valve. Netafim operation flags shall be used to notify and indicate operation of the drip system.

- E. Thoroughly flush all water lines before installing valves, emitters and other hydrants.
- F Test in accordance with Manufacturers recommendations
- 3.8 VALVE INSTALLATION
- Valves: Install underground valves in valve boxes or pits.
   Install valves and polyvinyl chloride (PVC) pipe with restrained, gasketed joints.
- Control and Ball valvees: Install in valve control valve house. All of the devices in the manifold shall be space such that of it the devices are fully operational and accessible for manifenance purpose. Manifold shall be space such that of its close the following devices, in this order:

  1. Brass location Valve

  2. Automatic valve of the appropriate size.

- Manifold union.
   Disc filter with 140 mesh disc filter rings, of appropriate size. Inline pressure regulator valve of appropriate size and flow.
- 6 Manifold union
- 3.9 SPRINKLER INSTALLATION
- Sprinklers: Flush circuit piping with full head of water and install sprinklers after hydrostatic test is complete.
   Install shrubbery sprinklers at heights indicated.

- A. All lines shall be sloped to drain. A minimum of drains should be used. Extra drain valves necessitated by unforeseen field conditions to make the system drain shall be provided by the Contractor and approved by the Landscape Architect.
- B. A suitable gravel sump shall be provided for each drain, minimum of 6" below the finished grade. A sump shall be a 24" diameter hole filled with gravel 2" above and 12" below the drain.

### 3.11 DRIP FILTERS:

- Filters shall be installed immediately after the electric valve and before
  the pressure regulator. The main body of the filter shall be installed
  at a slight downward angle so the dirt and debris will collect in the
  removable cop. An appropriate valve box shall be used to insure easy
  access to the filter for cleaning purpose.
- 3.12 DRIP SYSTEM PRESSURE REGULATORS:
- A. Due to the high flows involved with a Techline system compared to other drip systems it is important to only use the Netafim high flow (20 CPM) 45 PSI regulators. The regulators shall be installed after the filters and must not be buried, but shall be accessible for inspections and maintenance.

### 3.13 MANUAL FLUSH VALVES:

- A. These valves serve to provide flushing during installation and in case of major breaks or contaminations in the system. They shall be installed one for at each dead and and low point in the system. Une flush valves shall be placed in a 10 round box, stabilized on brick and with a 12" gravel sump below each valve.
- 3.14 FIELD QUALITY CONTROL
- A. Testing: Perform hydrostatic test of piping and valves before backfilling trenches. Piping may be leaded in sections to reported work.
  The section of the properties of the section of the properties of the properties
- 2. Repair leaks and defects with new materials and retest system or portion thereof until Notify Architect and University Landscape Maintenance Department Representative 24 hours in advance of pressure testing so test may be observed.
- 3.15 CLEANING AND ADJUSTING A. Flush dirt and debris from piping before installing sprinklers and other devices.
- B. Adjust automatic control valves to provide flow rate of rated operating pressure required for 3.16 COMMISSIONING
- Starting Procedures: Follow manufacturer's written procedures. If no procedures are prescribed by manufacturers, proceed as follows: Verify that specialty vales and their accessories have been installed correctly and
- Verify that specified test of piping are complete
- Check that sprinklers and devices are correct type.

  Check that damaged drip tube, emitters and devices have been replaced with new

- A. Demonstrate to Architect that system meets coverage requirements and that automatic

C. Provide 7-days' written notice in advance of demonstration

controls function properly.

AUTOMATION **ERSTONE** ⋝ S

C 10 .DINGS 5

rEWAY , UT 84117

GATE CITY,

JORDAN C

MHTN

ARCHITECTS

MHTN Architects, Inc.

420 East South Temple Suite 100 Sait Lake City, Utah 84111 Telephone (801) 595-6700 Telefax (801) 595-6717 www.mhtn.com

10096 S. SOUTH J

CONSTRUCTION DOCUMENTS

12.02.2022 DRIP **IRRIGATION** 31

City Engineer

City of South Jordan

Approved 01/10/2023

City Enginee

SPECIFICATIONS. \_I5ڻ<del>4</del>



# SILVERSTONE AUTOMATION



CONSTRUCTION DOCUMENTS 12.02.2022

E LANDSCAPE PLAN LP1<del>00</del>

# 10096 S. JORDAN GATEWAY SOUTH JORDAN CITY, UT 84117 HOLDINGS10 LLC





City Engineer City of South Jordan Approved 01/10/2023 City Enginee

REFERENCE NOTES SCHEDULE

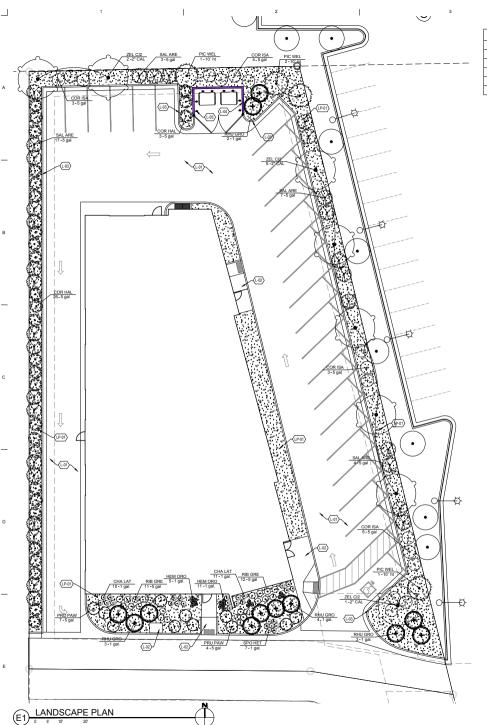
STONE MULCH, 3/4\*-1-1/2\* CRUSHED AGGREGATE 3\* DEEP

SYMBOL

SYMBOL (LP-01) ...

BOLLARD TYP. PLANTING NOTES DESCRIPTION

LANDSCAPE CALCULATIONS							
TOTAL LANDSCAPE AREA	5,955 SF						
		REQUIRED	PROVIDED				
TOTAL TREES (1/500 SF REQ.)		12	12				
EVERGREEN TREES (30% REQ.)		4	4				
DECIDUOUS TREES		8	8				
SHRUB COVERAGE (50% REQ.)		2,978 SF	3,005 SF				



City Engineer

City of South Jordan

Approved 01/10/2023

# SILVERSTONE AUTOMATION

10096 S. JORDAN GATEWAY SOUTH JORDAN CITY, UT 84117 HOLDINGS10 LLC

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12.02.2022 E LANDSCAPE **DETAILS &** NOTES

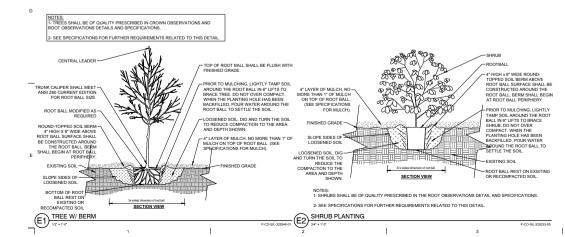
- 1. ALL PLANTS SHALL CONFORM TO THE MINIMUM ALL PLANTS SHALL CONFORM TO THE MINIMUM STANDARDS OF HEIGHT, SIZE, CALIPER AND ETC. OF THE AMERICAN ASSOCIATIONS OF NURSERYMEN "AMERICAN STANDARDS FOR NURSERY STOCK".
- THIS CONTRACTOR SHALL SPREAD TOPSOIL TO A DEPTH OF 6" IN ALL LAWN PLANTING AREAS AND 12" IN ALL SHRUB AND PERENNIAL BEDS 3 THIS CONTRACTOR SHALL BE RESPONSIBLE FOR
  - DISPOSING FROM THE SITE ALL SOIL EXCAVATED FROM TREE PITS.
  - ALL MOWSTRIPS ARE TO BE INSTALLED PRIOR TO THE INSTALLATION OF THE IRRIGATION SYSTEM SYSTEM AND THE LANDSCAPE PLANTING.
- 5. INSTALL MULCH IN ALL SHRUB PLANTING BEDS AFTER PLANT MATERIAL INSTALLATION
- 6 THIS CONTRACTOR SHALL BE RESPONSIBLE FOR THIS CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING THE REQUIRED AMOUNT OF TOPSOIL TO COMPLETE THE PROJECT. NEW TOPSOIL SHALL MATCH QUALITY AND TEXTURE OF THE EXISTING TOPSOIL ON SITE.

### DI ANT COLIEDIU E

PLANT	SCHEL	DULE			
TREES	CODE	BOTANICAL NAME	COMMON NAME	CAL.	REMARKS
	EXI RSX	EXISTING TREE	EXISTING TREE	2" CAL	
$(\cdot)$	PIC WEL	PICEA OMORIKA 'WELLS RIVERSIDE'	RIVERSIDE SERBIAN SPRUCE	10° HT	
	ZEL CI2	ZELKOVA SERRATA 'JFS-KW1' TM	CITY SPRITE ZELKOVA	2" CAL	
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT	REMARKS
	COR HAL	CORNUS ALBA 'BAILHALO' TM	IVORY HALO DOGWOOD	5 GAL	
+	COR ISA	CORNUS SERICEA 'ISANTI'	ISANTI REDOSIER DOGWOOD	5 GAL	
#	HEM ORO	HEMEROCALLIS X 'STELLA DE ORO'	STELLA DE ORO DAYLILY	1 GAL.	
$\odot$	PRU PAW	PRUNUS BESSEYI 'PAWNEE BUTTES'	SAND CHERRY	5 GAL	
④	RHU GRO	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	1 GAL.	
$\odot$	RIB GRE	RIBES ALPINUM 'GREEN MOUND'	GREEN MOUND ALPINE CURRANT	5 GAL	
$\otimes$	SAL ARE	SALIX ARENARIA	SILVER CREEPING WILLOW	5 GAL	
GRASSES	CODE	BOTANICAL NAME	COMMON NAME	CONT	REMARKS
0	CHA LAT	CHASMANTHIUM LATIFOLIUM	WOOD OATS	1 GAL.	
_					

PRAIRIE DROPSEED

SPO HET SPOROBOLUS HETEROLEPIS



Obtaining and paying for permit fees, inspections and tests required for the installation of landscape planting.

landscape planting.

Providing and placement of all plant material, topsoil, mulch, miscellaneous materials and mantenance of landscape planting and associated guarantees.

Repair the existing Landscape Planting as required to restro to "as-new" condition.

All plant material will be approved by the Architect and the Caners Representative on site poir to [planting.] Non-approved material to be removed from the site at no cost the District.

B. Size, quality, handling, planting and maintenance of plant materials shall be in accord with "American Standard for Nursery Stock", ANSI Z60-1996, American Association Nurserymen, Inc. Minimum acceptable sizes of plants, measured before pruning branches in normal position, shall conform to measurements specified in the Plant Mate

C. Plants shall be subject to the Owner's Project Manager and Landscape Architect's inspection and approval at place of growth or upon delivery for conformity to specification requirements. Such approval shall neither precide right of rejection upon delivery at the site of unique progress of work, nor right of rejection at the site due to damage suffered in handling or transportation. Inspection of plants by the Landscape Architect before diagnity shall be at the

All plant material will be inspected again at time of final inspection and once again at the end

Any plant material found to be unacceptable at any inspection shall be immediately removed

E. Contractor will provide and pay for materials testing. Testing agency shall be acceptable to

Test representative samples of materials proposed for use. Materials used in the work shall be the same materials as tested. Do not use proposed material in the work until test reports have been reviewed by the Landscape Architect and approval obtained to proceed with plant excavations.

Recommendations on the type and quantity of soil nutrient additives required to bring nutrients to a satisfactory level for specified plants.

G. Landscape work shall be done by a single firm specializing in landscape construction work with minimum 5 years experience completing projects of similar size and complexity.

. General: Submit each item in this article and for each item listed in Part 2 - Materials for review and approval according to the General Conditions of the Contract and Specifications -

C. Submit commercial soils test with material test reports and soil nutrient additive

G. Submit within 20 days of award of the bid to general contractor a planting schedule stating

Substitutions for plant material that is not obtainable may be proposed in writing prior to bid Submit written statement from plant materials supplier(s) with proposal for equivalent materials.

Submit photographs and other descriptions of all plant material that is located outside of a 90 mile radius of project location. Provide specific growing location address.

A. All scaled dimensions are approximate. Before proceeding with any work, the Contractor shall

- не вывым антигновтив исе виримилате. Before proceeding with any work, the Confractor shall carefully check and verify all dimensions and quantities; and shall immediately inform the Landscape Architect of any discrepancy between the information on the Drawings and actual conditions, refraining from doing any work on said areas until given approval to do so by the

Plant quantities listed on the Drawings are for the convenience of the Contractor only and are not guaranteed. All planting indicated on the Drawings will be required unless indicated

a. Plants shall remain on the site of the work no longer than three days prior to being

b. The earth balls shall be kept moist and their solidity carefully preserved. To prevent drying out or freezing, store plants in a compact group with suitable mulch material

E A Prepare, transport and handle plants to ensure protection against injury. Cover all plants

D. Submit a label from the manufacturer's container certifying fertilizer content

I. Submit contractor's Guarantee Form for Landscape Architect's review

E. Submit samples of proposed mulch for use in planting beds

for evaluation and acceptance prior to bid.

1.5 VERIFICATION OF DIMENSIONS AND QUANTITIES

PRODUCT DELIVERY, STORAGE AND HANDLING

B. Deliver plants with legible waterproof identification labels

C. Temporary storage of new material:

1 Contractor to provide list of past projects completed during last 3 years at time of first bid

Recommendations on the type and quantity of soil additives required to bring the pH of soil to a value of 5.5-8.2 (unless otherwise noted).

F. Test reports: Provide the following information

a. Mechanical analysis. Percentage of organic conter

f. Soluble Salts

4.4 CUDANTTALC

B. Section 328400 "Irrigation System".

C. Section 328401 Thrip Impation System D. Spacification Section - Soile Deport for reference only E. Packaged materials shall be delivered in factory labeled containers showing weight, content and manufacturer. Protect all materials from damage and deterioration during delivery and storage at site.

A Examine the subgrade, verify the elevations of topsoil, planting mix or mulch. Observe the conditions under which work is to be performed and notify the Landscape Architect of unsatisfactory conditions. Do not begin landscape work until unsatisfactory conditions have been improved.

1.8 EXCAVATION

A. When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions, or obstructions, notify the Landscape Architect before planting.

1.9 EVISTING LITTLE TIES

mine location of underground utilities and perform work in a manner which will avoid tile damage. Hand excavate, as required, to minimize possibility of damage to pround utilities. The Contractor shall have the area "Blue Staked" prior to diopino. It is

B. Before planting, locate all underground utilities prior to digging. Do not place plants on or near utility lines. Obtain a digging permit first (see the General Conditions) and have the permit at

1 10 PLANTING SCHEDULE

A. Before bidding each bidder shall investigate sources of supply and determine availability of all plants specified on the planting list in size, variety and quantity. Failure to take this precaution will not relieve the successful bidder from responsibility as a contractor to furnish and install all

B. Prepare a proposed planting schedule for approval by the Landscape Architect. Schedule the терьны и ризроже увининд sometime to rapprovar by me Landscape Architect. Schedule the dates for each type of landscape work during the normal seasons for such work in the area of the site. Correlate with specified maintenance periods to provide maintenance throughout the specified time period. Once accepted, revise dates only as approved in writing, after

C. Proceed with and complete the landscape work as rapidly as portions of the site become

1.11 ESTABLISHMENT MAINTENANCE REPLACEMENT AND GUARANTEE

A. The establishment period shall begin at the time that the planting phase of the work is completed, inspection and written notice is given and shall continue until substantial line. See Total Site Maintenance section 3.11.

B. Maintenance shall include but not be limited to watering, weeding, pruning, spraying, adjusting of guys, and lawn maintenance as described herein.

C. Remove and replace trees found to be unacceptable at the time of substantial completion and . Remove and replace trees found to be unacceptable at the time of substantial completion and at any time during the guarantee period. Replacements shall be made during the guarantee period. Replacements shall be made during the growing season and shall comply with all requirements and specifications. Replacement shall also match specified tree in specie, size, and condition. Any displacement shall also match specified tree in specie, size, and condition. Any office of the shall replacement shall also match the glanting operation which extends the planting into more than one season shall extend the guarantee period which extends the planting into more than one season shall extend the guarantee period to the shall be made of the shall be made to the shall be shall be shall be shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be made to shall be shall be shall be made to shall be shall be shall be made to shall be made to shal

D. Any plants that settle below or rise above the desired finished grades during establishment or guarantee period shall be reset at the proper grades.

E. Guarantee all planting for one year following signature of Owner on the final contract payment

F. The Contractor will not be responsible for plants destroyed or lost due to occupancy of the project, or vandalism on the parts of others or if the failure of any plant material can be proven to the Landscape Architect to be beyond the control of the Contractor.

G. At the end of the guarantee period a final inspection of all planting included in this contract will At the end of lest gualantee period a minal inspection of an planing included in this contact, with be made by the Landscape Architect. At that time any plant found not to be in a healthy growing condition, broken, damaged, or not exhibiting the desired characteristics of the plant shall be noted. These noted plants shall be removed as specified above.

PART 2 - MATERIALS

2.1 TOPSOIL

A. Topsoil for planting operations shall be imported onto the project site. It shall be friable, fertile, natural sandy loam containing at least 2 % organic matter. PH range shall be 55 to 8.2 inclusive, shall be capable of sustaining vigorous plant growth. It shall be free of admixture of subsoil and shall be reasonable free of stones, kumps, clods of hard earth, plants or their roots. sticks, or other extraneous matter. It shall not be used for planting operations in a frozen or

B. Prior to delivery of topsoil to the site the Contractor shall furnish commercial soil tests for Landscape Architect's approval. If such tests indicate the topsoil to be other than the type specified it shall be replaced with a topsoil which shall conform to the specifications at no additional compensation to the Contractor.

C. Topsoil shall not be used for planting operations while in a frozen or mu

2.2 DEAT MOSS

A. Peat moss used in planting soil preparation: High quality pure Canadian sphagnum peat with a pH value not less than 3.5 nor greater than 6.0 at 25 degrees C. The ash content shall be not more than 10% and water holding capacity shall be not less than 800 high.

B. All peat comply with Q-P-166e, class B coarseness

2.3 ORGANIC SOIL AMENDMENTS

A. Composit: Well composited, stable and weed free organic matter, pH range of 5.5 to 6' moisture content 35 to 55 by weight; 100 percent passing through a ½' sieve; soluble content of 5 to 10 decisiemens/m, not exceeding .5 percent inent contaminants and free of substances toxic to planting:

B. Compost to meet USU extension Compost Quality Guidelines for Landscaping

C. Organic soil amendments (compost) shall be composted and nitrogen stabilized by one of the

a. Soil-pep by Mt. West Products. Rexburg. Idaho

b. Bio-Rem True compost, Holden, Utal c. Replenish Products, d Nutrimulch Moroni Utah

A. Sulfur: Granular, biodegradable, containing a minimum of 90 percent sulfur, with a minimum of 99 percent passing through No. 6 (3.35-mm) sieve and a maximum of 10 percent passing through No. 40 (425-mm) sieve.

2.5 ORGANIC SOIL CONDITIONER

A. Organic soil conditioner shall be composted and nitrogen stabilized Soil-oep by Mt. West Products, Rexburg, Idaho.

2.6 BACKFILL

2.7 COMMERCIAL FERTILIZER - TREES AND SHRURS

A. Fertilizer for trees, shrubs and ground cover planting areas shall be slow release type,

A. Separation Fabric: Woven or nonwoven geotextile manufactured for separation applications

1. DeWitt Pro 5 Weed Barrier.

3.9 DRY SOIL AMENDMENT A. Root-Maxx Plus by Bio-plex (1-800 444-3573) or approved equal. Add to me planting soil at rate of 1 lb. per 50 cu. Yds.

A All plants are subject to approval reparting size health quantity character, etc. by the

B. The Contractor shall furnish and plant all plants shown on the Drawings, as specified and in quantities as shown. Quantities of shown, are included for the convenience of the Contractor to contract on the Contractor of the

D. Plant names used in the Plant Material Key conform to "Standardized Plant Names" by the American Joint Committee of Horticulture Nomenclature, except in cases not covered therein. In these instances the outsom of the nurser trade is followed.

E Plant materials shall conform to the Plant Material Key shown on plans and to the requirements of the "Horicultural Standards" of the American Association of Nurseymen as to kind, size, age, etc. and shall be hybrid self-sclass representatives of their species or variety, and shall have a normal habit of growth, unless specified otherwise. They shall be sound, healthy and vigorous wha well-developed not system.

E. All plants shall have been grown under climatic condition similar to those in the locality of the t for at least two (2) years and shall have been transplanted or root pruned at least project for at least two (2) in the last two (2) years.

G. All plants shall be number one quantity specimens and shall have a uniform matching caliper, size and canopy, be symmetrical with standard height, spread and branching patterns. No park grade plant material is acceptable.

Trees shall have straight single leaders with symmetrical primary branching and considerable well spaced secondary branching filling out the head with no gaps.

H. Plants shall be marked for identification. Each bundle of plants and at least 25% of each species and variety of separate plants in any one (1) shipment shall have legible labels securely attached before delivery to the site.

 All trees shall be measured when their branches are in their normal position. Height and spread dimensions specified refer to the main body of the plant and not from branch or root by to bip. No trees which have had their leaders cut, or so damaged that cutting is necessary, will be accepted. Measure calper of all trees 4" and larger 12" above the surface of the ground. Measure all trees less than 4" in caliper 6" above finish grad

J. All plants shall be symmetrical and shall conform to the size, age and condition as specified on the plant list shown on the Drawings. Exceptions are as follows:

or such plant shall not increase the contract price. If the use of larger plants is approve spread of roots and ball earth shall be increased in proportion to the size of the plant, root plants furnished in size greater than specified shall be balled and burlapped when required by the Landscape Architect.

Where caliper or other dimensions of any plant materials are omitted from the Plant Material Key, it shall be understood that these plant materials shall be normal stock for type listed and at a minimum, the average size of all the material listed.

K. Plants shall not be pruned prior to delivery except as authorized by the Landscape Architect.

L. No plants shall be dug or delivered to the site until the required inspections have been made

M. Dig balled and burlapped (BB) plants with firm, natural balls of earth, of diameter not less tha specified and of sufficient depth to include all fibrous and feeding roots. No plant moved with a ball will be accepted if the ball is cracked or broken before or during planting operations,

All bailed and buflapped plants which cannot be planted immediately upon delivery shall be set on the ground and shall be well protected with soil, well most, or other acceptable material Bare rooted plants, which cannot be planted mendately, shall be planted or herelded in in trenches mendately upon delivery. No materials herelded in more than one week may be used. Bundled of plants supparated before the nots are covered. Care shall be before all one plants supparated before the nots are covered. Care shall be ballen to prevent air pockets among the roots. During planting operations, but so of shall be covered and cannot, set distour or other studdle materials.

No plant shall be bound with wire or rope at any time so as to damage the bark or break

O. Plants marked "cans", "pots" or "other container" on the plant list shall have been grown in the containers for a minimum of six (6) months and a maximum of two years. Roots shall fill the containers but show no evidence of being or having been root bound. Plants shall not be picked up or moved by stem or branches, but shall be lifted and handled from the sides of the

2.11 GUYING AND STAKING MATERIAL

A. Tree stakes: steel "T" post, 8"long

B. Hose: High quality braided rubber or plastic hose, 1/2" diameter and suitable length (Color

C. Wire: 12 gauge galvanized steel.

D. Guying cable: galvanized steel, #9 gauge, Timbles and clips shall be used for co

E. Tumbuckles: Galvanized or zinc dip painted with an 8" lengthwise opening fitted with eye bolts and spot welded or fitted with a locking device to prevent vandalism.

G. Duckbill tree support system by Foresight Industries (800-325-5360) shall be used for trees

following size is are required per the drawings:

2 12 STONE MULICH A. Stone Mulch shall be clean washed crushed angular stone mulch. Provide three color samples for Owner Approval. Coordinate with Owner and Landscape Architect. The

2 13 WEED BARRIER FARRIC

square yard color black. Use Typar or Dewitt Pro 5 Weed Barrier or approved equal

Anti-TRANSPIRANT solution for horticultural spray application. Use Bio-Plex, by Bioplex Organics, Inc. (800-441-3473)

2.15 WATER

A. Potable water

B. Pre-emergent herbicide: Poast or approved equa

DADES EVECUTION

A. The contractor shall coordinate his work with other contractors on site, and shall cooperate to the fullest extent to see that the work is completed in a timely and workmanship like manner.

3.2 INSTALLATION OF TOPSOIL

A Prior to the installation of any topsoil, Contractor shall inspect the existing subgrade for compliance to the specifications regarding elevation, slope, grade and cleanliness. Any deficiency shall be reported to the Landscape Architect. Work begun in any area will acknowledge acceptance of area for Landscape planting.

B. When contract operations have been completed to a point where planting areas will not be disturbed, subgrade shall be cleaned free of waste material of all kinds. In all planted areas dig cut all to weed by their cross and remove from its. Scarlify and universite the subgrade to a depth of not less than 6" inches. Scarlification shall be completed in all areas that are to be planted.

D. Spread the topsoil and till to a minimum depth of 12" in all shrub areas. Do not place top over subgrade that is frozen or damp. Place topsoil just prior to planting so as to discour.

E. Topsol shall be rolled by a hand roller on small areas. After rolling at a weight of 150-200 pounds per linear foot of roller, the grade shall again be graded to the specified grade with a smooth surface. Large areas shall be graded by passing a land plane in three different directions over the entire area to be planted.

F. Surface drainage shall be insured, and if shown, shall be directed in the manner indicated on the Drawings by moking the surface to facilitate the run-off water. Fill low spots and pockets with topsoil and grade to drain properly.

o. Ine minin grade of the topsoil adjacent to all sidewalks, mow strips, etc., and prior to planting shall be 1 ½" below the top surface of adjacent pavement or hard surface of any kind. If the Landscape Architect shall approve the firsh grading prior to installation of plant material. No exceptions. Make minor adjustments to finish grades at the direction of the Landscape Architect.

3.3 PREPARATION FOR PLANTING TREES AND SHRUBS

A. All sprinkler system work and finish grading shall be approved by the Landscape Architect prior to any planting. No planting will be done without direct supervision of the Landscape Architect. Thee planting shall precede lawn planting.

B. Locate the exact placement of all trees and shrubs and secure approval of the Landscape Architect prior to the digging of any holes. Refer to the Drawings for the sizes and preparation of holes. Prepare all holes according to the details on the Drawings.

C. To avoid a soil water interface problem, excavated soil material from planting holes are to be inspected by the Project Manager to determine if such soil should be used as backfill material. If it is determined that the excavated material is not of good quality then it should be modified to an acceptable texture, organic content and PH.

D. Prior to the installing of any plant material in the prepared hole, the Project Manger must approve the size, width and depth of the hole.

3.4 TREE AND SHRUB PLANTING

A. Prior to planting, fill excavated planting hole with water and allow to percolate out. If, after 24 hours, the water has not percolated out of the pit, notify the Landscape Architect. Do not plant until the problem has been corrected.

B. The planting holes from the bottom to the top of the opening should be the same depth as the root ball. Plants must be placed plumb and straight in the planting hole. The tree hole depth shall be determined so that the tree may be set at finish grade, using the top of the root ball as a guide.

C. The tree plant hole should be the same depth as the root ball, and three times the diameter of

D. Trees must be placed on undisturbed soil at the bottom of the planting hole

E. The tree hole depth shall be determined so that the tree may be set slightly high of finish grade, 1° to 2° above the base of the trunk flare, using the top of the root ball as a guide.

F. All tree holes shall be backfilled with specified backfill in 12" inch lifts and settled and tamped

G. When the root ball is partially backfilled and compacted <u>ALL</u> burlap, ropes, or wire baskets shall be removed from the sides of the root ball. No burlap shall be pulled from under the root balls of the plants. The plants shall then be watered with a hose to completely soak the roots

H. Fertilize with tree and shrub fertilizer according to manufacturer's printed instructions

iners shall be removed from the root balls by cutting with cutters. Do not damage root ball by using trunk or main stem as a handle

J. Prenare a watering circle of 2' diameter around the trunk. For conifers, extend the watering well to the drip line of the tree canopy. Place 4'of mulch round the planted trees

K. All plants shall be thoroughly watered immediately following planting. This shall mean full and thorough saturation of all backfill in the pits and beds during the same day of planting. Water shall only be applied by an open end hose at very low pressure to avoid air pockets, injury or washing. When planted, watered, and fully settled, tires shall be vertical.

L. The Contractor shall hand water newly planted trees twice a week for eight weeks. A minimum of five (5) gallons of water per tree is required.

M. The amount of pruning shall be limited to the minimum necessary to remove dead or injured whigs and branches. All cuts, scars and bruises shall be properly treated according to the direction of the Landscape Architect. Proper pruning techniques shall be used. Do NOT leave stubs and do NOT cut the leader branch. Improper pruning shall be cause for rejection of the plant pariety.

O. Saucer shall not be required when planted where edging is required around plant pits.

P. Within 48 hours of planting each plant remove all undesirable material from the surface of the planting beds, including all rocks over the size of 5" diameter. Install the specified mulch to a uniform depth of 3" in the entire planting beds and all tree basins.

Q. This Contractor shall dispose of, off the site, all soil excavated from tree and shrub pits R All planting beds shall receive a 4° mulch layer

3.6 TREE WRAPPING

A. All trees shall be wrapped with tree wrap. Wrap shall be applied to trunks immediately planting to protect bark against winter injury caused by diurnal temperature fluctuations. Vishall be resistant to weather degradation and require no maintenance and must stretch as girth off the funk increases, rure time.

Starting as low as possible, wrap tree wrap in a smooth spiral to assure over previous wrap by about  $\mathcal{C}$ .

Continue wrapping up the trunk to just below the second scaffold b crotches is optional.

Tile off tree wrap with a half hitch knot.
 Cover the base of the tree and the first wrap of tree wrap with soil.

A. Due to water conservation / water restrictions, watering of the landscape shall be accomplished after 6:00 pm and before 10:00am.

3.8 CLEAN UP AND PROTECTION

A. During landscape work store materials and equipment where directed. Keep pa and work area in an orderly condition.

B. Protect landscape areas, work and materials from damage due to contractors and trades, trespassers. Maintain protection during installable periods. Treat, repair or replace damaged landscape work as directed.

neep the site free from accumulation of waste material. At the time of completion, all areas must be swept and washed clean and all rubbish removed to the satisfaction of the

D. Temporary occupancy of the project shall not relieve the contractor of any of the obligations

3.9 TOTAL SITE MAINTENANCE

A LA part of this Control, this Contractor shall be responsible for the continuous maintenance of all landscape areas, i.e., weeding, watering, moving, retirization, etc. from the time that each section of lams or had an as jamant unit the Physicia bill or Schamilat Completion, and shall be provided to the schamilation completion and the provided or schamilation completion by the Physicia bill of Schatterial Completion, the contractor shall be required to minimath we ettile size until standscapetance. The Contract may the sidescribe, required the following remodes as no additional cost, in addition to the standard maintenance equivaled for plantand exercise.

Additional fertilization operations

Additional mowing operations Additional specific watering operations

Weed control measures Weed control measures

B. Maintain plants in a vigorous, thriving condition by watering, cultivating, weeding, pruning, spraying and other necessary operations. No trees or shrubs will be accepted unless they are healthy and show astifactory foliage conditions. Plants shall be maintained through the-length of the total site maintainance period.

a near appearance. Spray as required to keep plant materials free of disease and insects.

Replace much to maintain specified depth.

All new tree and shrub plantings shall be hand watered thoroughly at least twice a week during the maintenance period.

C. The Contractor shall instruct the Owner as to the watering requirements and shall monitor such operations at all times. The Contractor shall be held responsible for failure to monitor the watering requirements and shall be held responsible to replace any or all plants that are lost due to improper application of water.

D. Maintenance shall include, in addition to the above, cleaning, edging and repair to erosion and all other necessary work of maintenance. Sidewalks and other paved areas shall be keptelan when planting and maintenance are in progress.

3.10 FINAL INSPECTION AND ACCEPTANCE

least ten (10) days prior to the anticipated inspection dat

A. Inspection will be made of the entire site periodically and at the conclusion of the maintenance

The landscape work may be inspected for acceptance in parts agreeable to the Landscape Architect, provided the work offered for inspection is complete, including maintenance and that the area comprises one unit or area of substantial size.

C. Written notice requesting final inspection shall be submitted to the Landscape Architect at

D. Where inspected landscape work does not comply with the requirement, replace rejected work and continue specified maintenance until re-inspected by the Landscape Architect and found to be acceptable. Remove rejected plants and materials promptly from the project site.

E. Final Acceptance: The work under this contract will be accepted upon written approval by the Landscape Architect and the Owner, on the satisfactory completion of all work, including

A written guarantee that covers the above provisions shall be signed by the Contractor and delivered to the Landscape Architect upon acceptance of the work. The guarantee shall not be bringing upon the Contractor of any fallure should be proved to the satisfaction of the Landscape Architect to result from circumstances or negligence of parties over whom the Contractor has no contract.

A. Record Drawings shall be lumished to the Landscape Architect at the time of the substantial compeletion inspection before a letter documenting Substantial Compeletion for the landscape planting will be issued. This information shall be provided in AutoCAD that and shall be given to the Landscape Architect before the project is accepted. The AutoCAD file shall be a copy of the original plants for the project and shall be corrected by the contrador at the first contradictions of the contradictions of the contradiction of the co

END OF SECTION

City Engineer City of South Jordan

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EWAY UT 841 GATE CITY, JORDAN C ž  $\overline{\Box}$ 0096 S. OUTH J ᅙ

MHTN

ARCHITECTS

MHTN Architects, Inc.

420 East South Temple Suite 100 Salt Lake City, Utah 84111 Telephone (801) 595-6700 Telefax (801) 595-6717 www.mhth.com

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CONSTRUCTION DOCUMENTS LANDSCAPE

**SPECIFICATIONS** 34

Approved 01/10/2023 A Klower City Enginee

Meeting Date: 08/25/2020

# SOUTH JORDAN CITY PLANNING COMMISSION REPORT

Issue: SILVERSTONE AUTOMATION

SITE PLAN

**Address:** 10096 South Jordan Gateway

**File No:** PLSPR202000181

**Applicant:** Ryan Berry, MHTN Architects

Submitted by: Damir Drozdek, Planner III

Shane Greenwood, Supervising Senior Engineer

**Staff Recommendation (Motion Ready):** I move that the Planning Commission **approve** application PLSPR202000181 to allow for construction of a new commercial building on property located at 10096 South Jordan Gateway.

ACREAGE: Approximately 0.75 acres
CURRENT ZONE: I-F (Industrial - Freeway) Zone
CURRENT USE: Undeveloped and vacant

**FUTURE LAND USE PLAN:** IND (Industrial)

**NEIGHBORING ZONES/USES:** North – I-F / Parking Lot

South – I-F / Social Security Offices

West – I-F / Vacant land East – I-F / Parking Lot

# STANDARD OF REVIEW:

All proposed commercial, office, industrial, multi-family dwelling or institutional developments and alterations to existing developments shall meet the site plan review requirements outlined in chapter 16.24 and the requirements of the individual zone in which a development is proposed. All provisions of titles 16 & 17 of the City Code, and other city requirements, shall be met in preparing site plan applications and in designing and constructing the development. The Planning Commission shall receive public comment regarding the site plan and shall approve, approve with conditions or deny the site plan.

# **BACKGROUND:**

The applicant is seeking approval to construct a new commercial building on property located at 10096 S. Jordan Gateway. The building will consist of an office and shop space. The shop space will primarily be used to build machines that are delivered to medical manufacturing companies. The building will be two stories tall and 32 feet above grade at its highest point. The exterior finish materials will include brick, eifs siding system, aluminum/composite wood siding and metal cladding. Mechanical equipment will be located on the rooftop and screened from view by a parapet wall.

Access to the building from Jordan Gateway will be via a shared driveway with the Social Security Administration building immediately to the south. No improvements will be made to the existing private drive or along Jordan Gateway. Parking will be provided along the east and the north project boundary. Public improvements will be minimal and consisting of a new fire hydrant, water meters and a water line. Storm water will be collected and retained in an underground storage facility located at the northwest corner of the project. It will be privately maintained.

Landscaping will consist of various trees, shrubs, grasses and stone mulch around the building and the parking area. No sod will be installed with the project. A dumpster enclosure will be located at the northeast end of the project. No new fencing will be constructed with the project. The existing barbed wire fence which runs along the north boundary will be removed.

# STAFF FINDINGS, CONCLUSIONS & RECOMMENDATION:

# **Findings:**

- The business is classified as "assembly" and "research and development" per City Code. These two uses are listed as permitted uses in the I-F zone.
- Impact Control Measures of the City Code require an "operations plan" for the assembly-type use and "operations plan", "sound plan" and "additional notice" for the research and development use. The operations and sound plan are attached in the Support Materials as a letter from the applicant. The additional notice was completed as well. The notice was sent to all property owners within 600' of the project boundary.
- The Architectural Review Committee reviewed the proposed building on June 24, 2020 and unanimously recommended approval as long as service doors at the rear of the building are painted to match the building colors and mechanical equipment is screened from view. Those two items have been changed on the new elevation drawings showing new colors for service doors and a parapet wall around the building edge.
- The project meets the Planning and Zoning (Title 17) and the Subdivision and Development (Title 16) Code requirements.

# **Conclusion:**

• The proposed project will meet the requirements of the Subdivision and Development (Title 16) and the Planning and Zoning (Title 17) Codes.

# **Recommendation:**

• Based on the Findings and Conclusions listed above, Staff recommends that the Planning Commission take comments at the public hearing and **approve** the Application, unless, during the hearing, facts are presented that contradict these findings or new facts are presented, either of which would warrant further investigation by Staff.

# **ALTERNATIVES:**

- Approve an amended Application.
- Deny the Application.
- Schedule the Application for a decision at some future date.

# **SUPPORT MATERIALS:**

- Aerial Map
- Zoning Map
- Site Plan
- Landscape Plan
- Elevations
- Cabco Jordan Subdivision plat map
- Silverstone Business Description (applicant's letter)

Damir Drozdek, AICP

Planner III

Planning Department



Legend
STREETS
PARCELS

Aerial Map
City of South Jordan

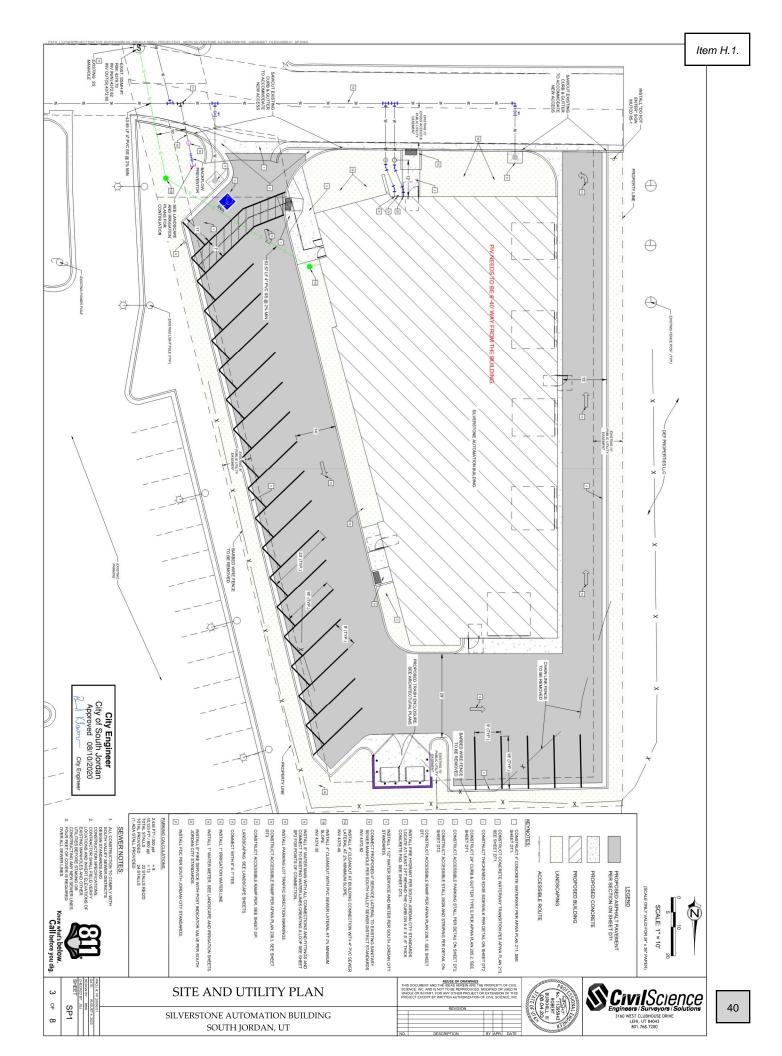


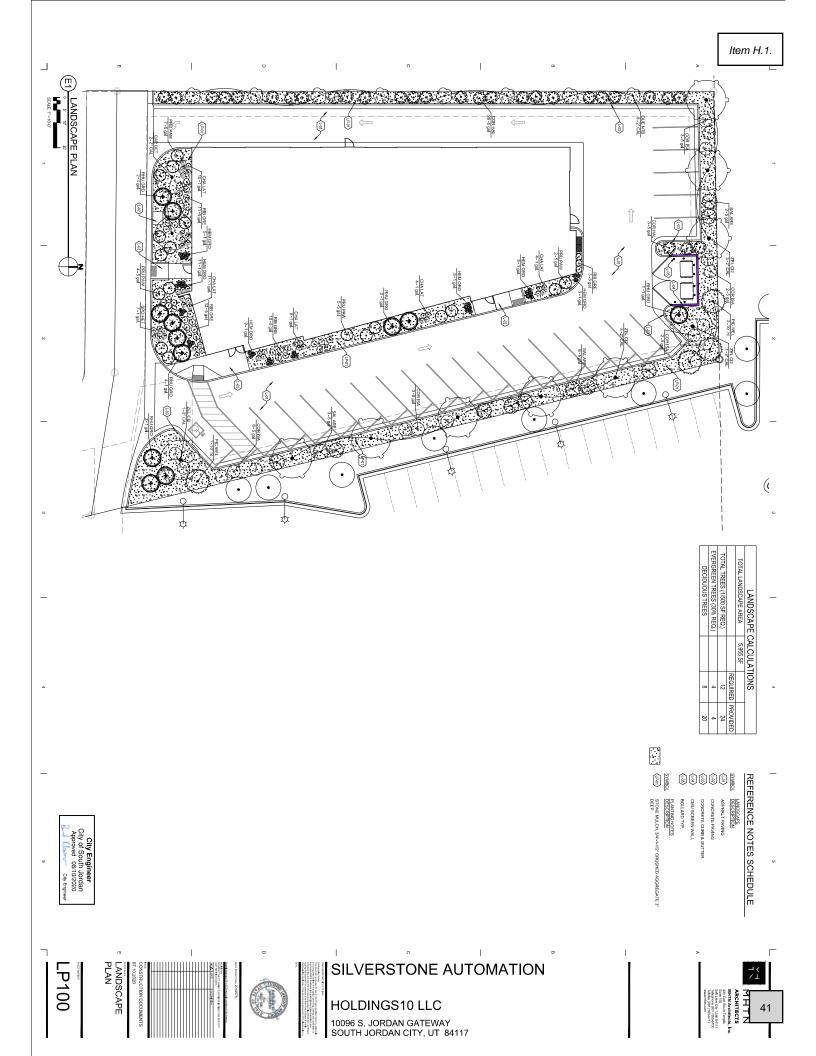


Legend
STREETS
PARCELS

Zoning Map
City of South Jordan

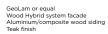














INTERSTATE BRICK SIZE: KING SIZE COLOR: COAL



EIFS SIDING SYSTEM COLOR: LIGHT GREY BUILD SPACE SIDE, PART NORTH/ SOUTH, AND ALL WEST



EIFS SIDING SYSTEM COLOR: DARK GREY FRONT OFFICE AREA

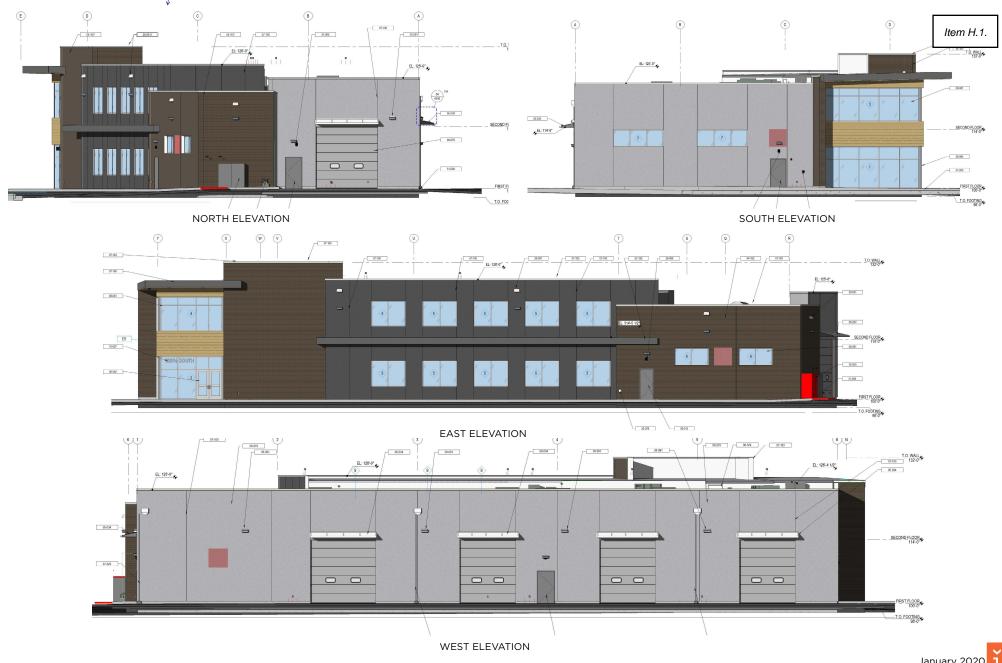


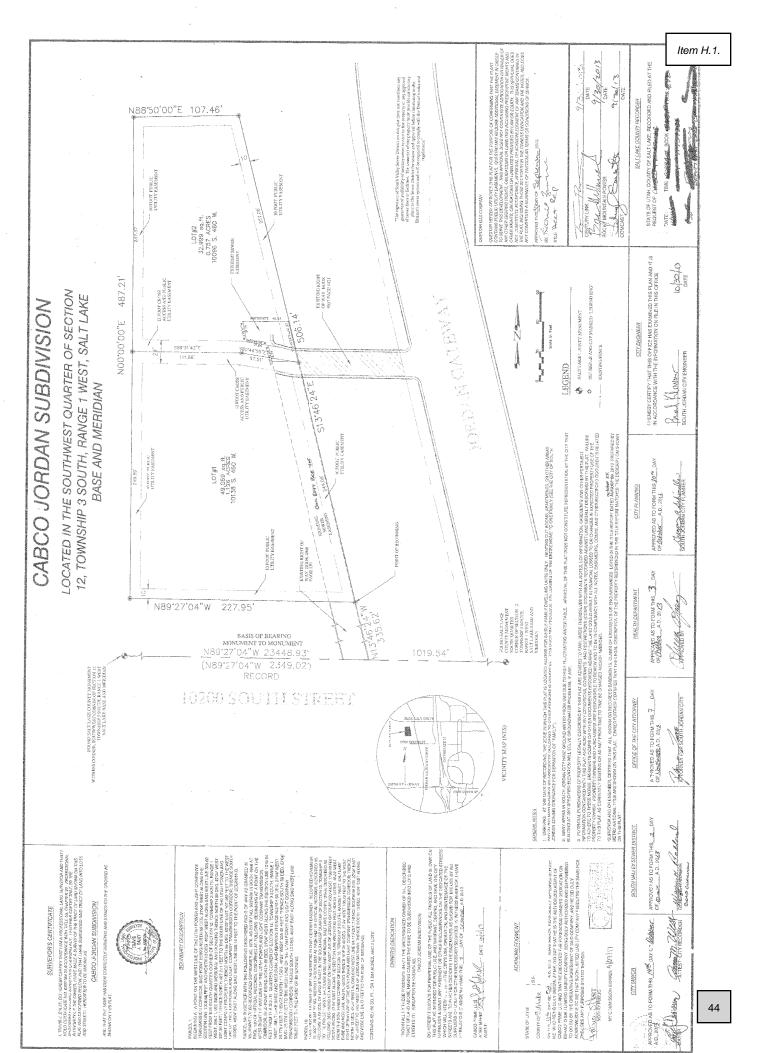
BLACK METAL FASCIA CLADDING



ANODIZED ALUMINUM STOREFRONTS/ AWNINGS









# **Business description:**

Design, build, program, test, and document custom automation machines that are delivered primarily to medical manufacturing companies. Silverstone also builds a handful of standard machines for medical manufactures.

#### Noise:

Standing outside our building, you might hear the faint sounds (~70db) of:

- Air compressor.
- Maybe a customer's machine running in debug mode.
- About one time per week, we use our forklift to access a delivery truck. The forklift sound is similar to a car.
- Band saw sometimes one time per day.
- Prototyping tools (mill, lathe) a few times a day.

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None

#### Dust:

None

## Vibration:

None would be felt outside the building. On our build floor, when certain machines are in debug, you might feel faint floor vibrations. Some machines use vibratory feeder bowls which transmit small vibrations into the floor near the machine.

# **Visual impacts:**

None. Our customers are medical companies which means cleanliness is an important selling point.

# Hazardous materials used or stored on site:

1 gallon of lacquer thinner to wipe surfaces of the machine.

#### **Hazardous activities:**

None

# Is there any heavy equipment or trucks coming or leaving the site and how often?

Tractor trailer pick up or drop off approximately 1 time per week.

# Let us know what the hours and days of operation are:

7AM to 6:00PM M, T, W, TH, F Occasionally Sat 7 to 12PM

# **Employees:**

Eleven employees drives to and from work.

# **Customers:**

Customers visit about 2 times per week.

# **Vendors:**

Vendors visit about 2 times per week.

# **UPS/FedEX/DHL:**

Usually 2 or 3 deliveries per day.

South Jordan City Planning Commission Meeting April 14, 2020

Commissioner Gedge said Hawthorn Academy is across the street and I can't think of any other areas where we have retail establishment like this with (4) drive thru isles that close to a school, are there any concerns about the kids walking to, and from school.

Planner Sanderson said there is pad (F) and a detention basin, and then there is the Hawthorn Academy, but there is a space between them. There is also a signalized light that will go in, and that is part of the agreement that the City worked out with the developer. That signal has been fronted and we are working with UDOT to get that in, so it is not a matter of if, but when. The traffic studies show that it should help, because we don't anticipate that a lot of kids from Hawthorn will be walking, but it will be safer once that signal is installed.

Reed Stallings, Sandy Utah (Applicant) – said for clarification, all the lanes are about 11 cars stack, and Starbucks is the coffee house going in there. The other (3) lanes are a little wider so they could stack about 12 cars, and there is extra parking in the parking lot. I don't know if you have any other questions, but we just appreciate being able to do this. We have been working on this for a long time and we are anxious to get going on this as soon as we can. Pending this working out we will be submitting building permit plans tomorrow and hopefully get the first 2 building going before the snow flies.

Chair Hollist opened the Public Hearing to comments. There was none. She closed the Public Hearing.

Chair Hollist said will you continue to manage all (4) properties so it works well for all (4) tenants.

Mr. Stalling said that is correct, we are the developer and the owners. This is the Stalling's farm that we have owned for a long time in South Jordan, and when we sold it to the Boyer Company we wanted to have a tie to our family farm, so our intent is to own it for a very long time.

Commissioner Catmull motioned to approve File No. PLSPR202000048 for the proposed Ridgeview Commercial Parcel F Site Plan and conditional use permit, located at `1553 West 11400 South, with the following requirements which need to be completed prior to construction:

- Provide the original Storm Water Facilities Maintenance Agreement to the Engineering Department.
- Provide 15' wide water line easement for all main lines, hydrants and services up to and including water meters.

Commissioner Hollist seconded the motion. Roll Call Vote was 5-0 unanimous in favor.

# C. SILVERSTONE AUTOMATION, SITE PLAN

Location: 10096 South Jordan Gateway

File No: PLSPR202000181

Applicant: Ryan Berry, MHTN Architects

South Jordan City Planning Commission Meeting April 14, 2020

Planner Greg Schindler reviewed background information on this item from the staff report. There was (4) letters sent by email from the residents (Attachment A, B, C, D)

Commissioner Gedge said in one of the emails that Damir sent out there was a concern about property lines and what the City has that came from the Salt Lake County Assessor's Office, is that correct?

Planner Schindler said we received the email, but it has nothing to do with this development. This lot is on Lot 2 of the subdivision and it has been recorded with the County. We have a copy of the plat and it matches with what the site shows. The narrow strip on the other side does not pertain to this anyway, it is a different issue and I have no ideas of what the history is there. It has the same IF-Zoning, but it cannot be developed because it is not big enough.

**Lenny Disera, Sandy Utah (Applicant)** – said I would like to thank you for your time. The last 20 years I have been driving through South Jordan to Draper, and I am very excited to build this beautiful building in South Jordan and calling South Jordan our home.

**Cory Bodily, Sandy Utah (Applicant)** – said I am also a co-owner and I would like to thank you for the time you have spent on this project.

Chair Hollist opened the Public Hearing to comments. There was none. She closed the Public Hearing.

Commissioner Gedge motioned to approved application PLSPR202000181 to allow for construction of a new commercial building on property located at 10096 South Jordan Gateway. Commissioner Hollist seconded the motion. Roll Call Vote was 4-0 unanimous in favor; Commissioner Morrissey was absent from the vote.

#### IX. LEGISLATIVE PUBLIC HEARINGS –

A. OTTO JONES PROPERTY REZONE Rezone from R-1.8 (Single-Family Residential, 1.8 lots per acre) to R-2.5 (Single-Family Residential, 2.5 lots per acre) Zone

Location: 10431 South 3200 West File No: PLZBA202000131

Applicant: Justin Jones

Planner Greg Schindler reviewed background information on this item from the staff report. There were (2) letters sent by email from the residents (Attachment E, and F)

Chair Hollist said I have the General Plan Land Use Map in front of me and there is an "L" shaped property just east of this that is marked an economic center, can you tell me what that is?

Planner Schindler said because it is on South Jordan Parkway and it is the only access there, and those are remnant UDOT Lots, and that is why it shows that there. It doesn't mean that they have

Dawn R. Ramsey, *Mayor*Patrick Harris, *Council Member*Bradley G. Marlor, *Council Member*Donald J. Shelton, *Council Member*Tamara Zander, *Council Member*Jason T. McGuire, *Council Member* 



PH: 801.446-HELP @SouthJordanUT

August 16, 2021

Attn:

Ryan Berry 420 E. South Temple, Suite 100 Salt Lake City, UT 84111

RE: Decision Notification for Time Extension

(PLTE202100202)

Dear Applicant,

On August 16, 2021, the above referenced application was **Approved** with the following Conditions:

- The time extension expires on August 25, 2022.
- Additional time extensions will not be allowed.

If you have any questions or concerns regarding this application, please do not hesitate to contact me by phone (801-254-3742) or by email (gschindler@sjc.utah.gov).

Sincerely,

Greg Schindler City Planner

**Meeting Date: 01/24/2023** 

# SOUTH JORDAN CITY PLANNING COMMISSION REPORT

Issue: D & D RESIDENTIAL/HATCH SUBDIVISION

Rezone from Agricultural (A-1) / (A-5), & Professional Office (P-O) to

Residential (R-1.8)

Land Use Amendment from Economic Infill Opportunity (EIO) to Stable

Neighborhood (SN)

Address: 10828 S. 1055 W. & 10827 S. 1055 W.

**File No: PLZBA202200217** 

Applicant: Devan Hatch, D & D Residential Development, LLC

**Submitted by: Andrew McDonald, Planner I** 

Jared Francis, Senior Engineer

**Staff Recommendation (Motion Ready):** Based on the findings in this report, I move that the Planning Commission forward a recommendation to the City Council to **approve** the land use amendment, Resolution R2023-08, and rezone, Ordinance No. 2023-02-Z.

**ACREAGE:** Approximately 3.31 (acres)

CURRENT ZONE: A-1, A-5, & P-O CURRENT LAND USE: Residential

**FUTURE LAND USE MAP:** Agricultural Preservation (AP) &

Economic Infill Opportunity (EIO)

**NEIGHBORING ZONES /** 

**LAND USES:** North -A-5 / SN

South - R-1.8 & P-O / AP & EIO

West - R-1.8 / SN East - P-O / EIO

# **STANDARD OF APPROVAL:**

# 1. LAND USE AMENDMENT:

The general plan may be amended by resolution of the City Council as follows:

A. The process to amend the general plan and future land use map may be initiated by members of the City Council, by the City Manager or Community Development Director, or by the owner of a subject property or his or her agent. A general plan land use or text amendment which is not initiated by the city may not be reinitiated for an amendment which was considered within the previous year without a majority vote of the City Council. A land use amendment should not impair the development potential of the subject parcel or neighboring properties.

- B. The Planning Commission shall hold a public hearing, as required by state law, after which the commission may modify the proposed general plan amendment. The Planning Commission shall then forward the proposed general plan amendment to the City Council.
- C. After receiving the recommendation of the Planning Commission, the City Council shall hold a public hearing, and may accept, accept with modifications, or reject the proposed general plan amendment.

(City Code § 17.12.030)

#### 2. REZONE:

The rezoning of property may not be considered if the proposed zoning does not conform to the general plan. The following guidelines shall be considered in the rezoning of parcels:

- A. The parcel to be rezoned meets the minimum area requirements of the proposed zone or if the parcel, when rezoned, will contribute to a zone area which meets the minimum area requirements of the zone.
- B. The parcel to be rezoned can accommodate the requirements of the proposed zone.
- C. The rezoning will not impair the development potential of the parcel or neighboring properties.

(City Code § 17.22.020)

The Planning Commission shall receive public comment at the public hearing regarding the proposed rezoning and make a recommendation on the rezoning to the City Council (*see* City Code § 17.22.040).

### **BACKGROUND:**

Devon Hatch submitted an application for a Rezone & Land Use Amendment. The purpose of the application is to make the subject properties consistent with other property owned by D&D Residential Development, LLC, by rezoning them to R-1.8. This application involves three parcels: 27-14-376-008. 27-14-377-001, & 27-14-377-002.

The largest parcel (27-14-376-008) is currently vacant and is approximately two acres. It is zoned A-5 and the future land use is Agricultural Preservation (AP). The applicant intends to build a six-lot subdivision on this parcel together with three adjacent parcels that are already zoned R-1.8.

The other two parcels are east of 1055 West and are respectively .84 acres and .44 acres. These parcels are adjacent to each other and are currently in three different zones: A-1, A-5, and P-O. The future land use for these parcels is EIO, which was an unintentional designation that is being corrected with this application to reflect the intent of the 2020 General Plan changes (i.e., only Roseman University's property east of the canal should have been designated as EIO). The applicant intends to sell these two parcels in a deal that is pending the outcome of this application. The existing buildings will be demolished and replaced by single-family housing. These properties must be rezoned for new construction to comply with City Code requirements.

# **FINDINGS, CONCLUSION & RECOMMENDATION:**

# **Findings:**

- The application meets the rezone standards of approval and will not impair the development potential of the neighboring properties.
- Amending the land use from EIO to SN conforms with the original intent of the 2020 General Plan amendments in this area.
- Rezoning the property will allow the properties to be developed for single-family residential use in compliance with City Code requirements, and will be consistent with adjacent uses.
- The Concept Plan shows lots that are larger than the minimum lot size in the R-1.8 Zone, which is consistent with the AP land use, which is defined in the General Plan as follows: "Agricultural Preservation identifies areas with current and/or historic agricultural usage. Though these properties are a beloved asset to the community, future development is probable. Future development shall be primarily residential and serve to preserve the agricultural character in the forms and character of the development. Cluster style development will be encouraged to preserve the agricultural use/open space where possible. Small scale, neighborhood commercial uses could be strategically placed consistent with surrounding land uses and/or at the core of the neighborhood to provide a themed service base for neighborhood gathering."

#### **Conclusion:**

The land use amendment and rezone are consistent with the General Plan, and the City Code requirements for land use amendments and rezones.

# **Recommendation:**

Staff recommends that the Planning Commission take comments at the public hearing; and **recommend approval** of the application (File # PLZBA202200217) to City Council, unless, during the hearing, facts are presented that contradict these findings or new facts are presented, either of which would warrant further investigation by Staff.

# **INFRASTRUCTURE IMPACT:**

An infrastructure analysis report is included in the supporting materials.

# **FISCAL IMPACT:**

A fiscal impact analysis is included in the supporting materials.

# **ALTERNATIVES:**

- Recommend approval of an amended application.
- Recommend denial of the application.
- Schedule the application for a decision at some future date

# **SUPPORT MATERIALS:**

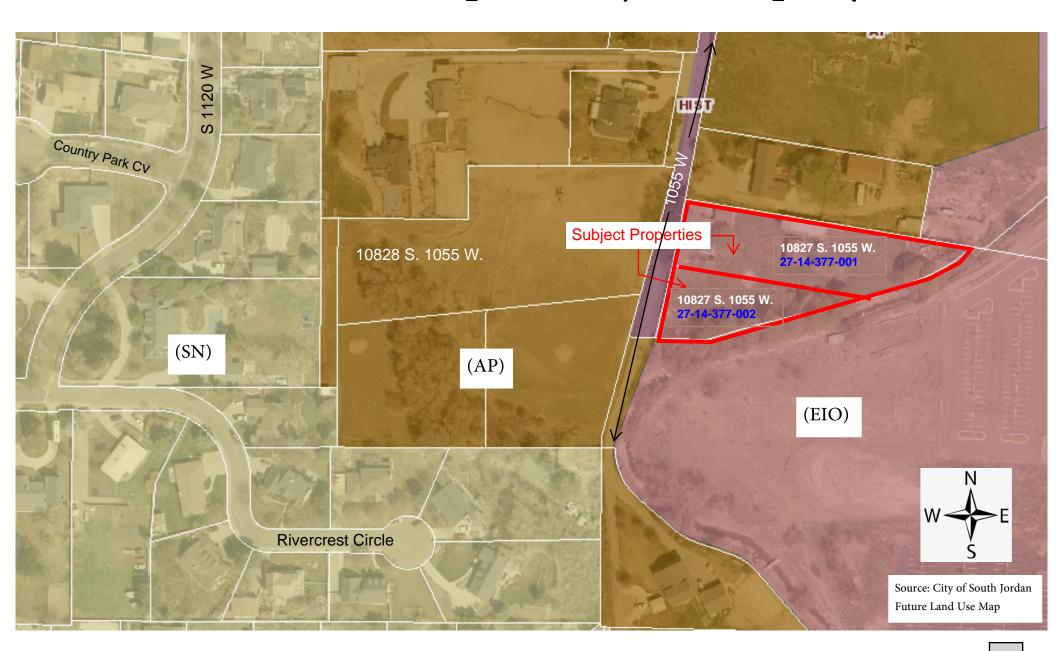
- Current Land Use Map
- Current Zoning Map
- Concept Plan
- Engineering Infrastructure Analysis Report
- Fiscal Impact Analysis Report
- Resolution R2023-08
- Ordinance 2023-02-Z

andrew McDarald

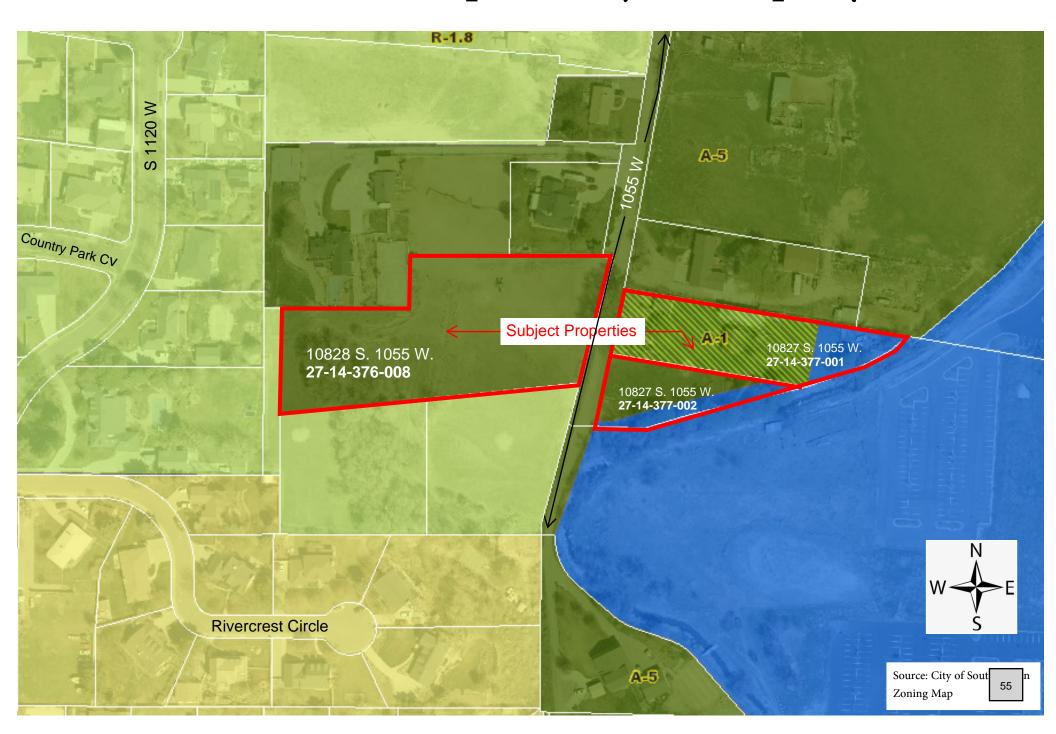
City of South Jordan Andrew McDonald

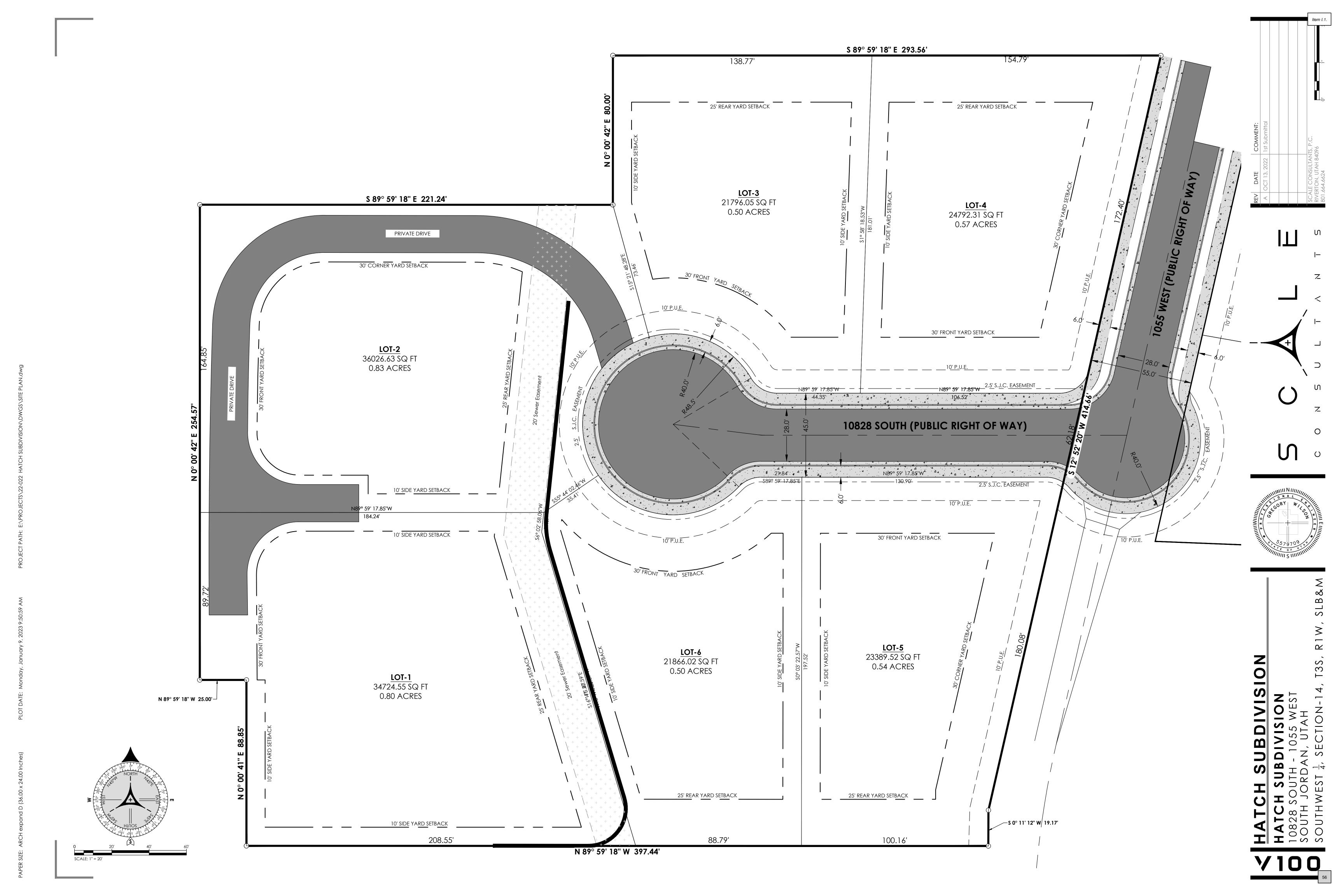
Planner I

# Location Map of Subject Property



# Location Map of Subject Property





# LAND USE AMMENDMENTS & REZONE DEVELOPMENT PROJECTS

# INFRASTRUCTURE ANALYSIS

Project Name/Number	Hatch Subdivision	10828 S 1055 W

Planner Assigned	Andrew McDonald				
Engineer Assigned	Jared Francis				

The Engineering Department has reviewed this application and has the following comments:

<u>Transportation:</u> (Provide a brief description of the access, transportation master plan and how this change affects Master Plan, condition/status of existing roadways. Determine whether a Traffic Study should be completed)

The subject property will be accessed from 1055 West. The development will be required to install public right of way improvements along the portion of 1055 West that borders the project, and dedicate the necessary right of way. The project is proposed to have a public street and cul-de-sac, providing frontage for 4 of the proposed lots. The remaining two lots will be accessed from a private drive extending off the end of the cul-de-sac.

<u>Culinary Water:</u> (Provide a brief description of the water servicing the area, look into deficiencies, and determine if water modeling needs to be performed at this time, look at Water Master Plan and evaluate the change to the Master Plan)

There is an existing City owned 6" water main in 1055 West. Fire hydrants will be required on site as per City standards. A water model will be required as part of the preliminary subdivision submittals.

<u>Secondary Water:</u> (Provide a brief description of the secondary water servicing the area, briefly look into feasibility)

There does not appear to be a City owned secondary water system adjacent to the project. An engineer's cost estimate will be required during the preliminary subdivision review to determine if it's feasible per City code for the new development to provide a functioning secondary water system.

Sanitary Sewer: (Attach letter from South Valley Sewer stating that this zone/land use change does not affect service and that any future project can be services by the District)

There is a sewer main line running north and south on the west side of the subdivision that may be able to service the upper two, west most lots. A new sewer main may be required in 1055 West and within the project to provide service to the rest of the lots. Sewer main design and connection requirements will be determined by the South Valley Sewer District.

Storm Drainage: (How will this area be services for storm drainage, kept on site, Master Storm Plan, etc. any other issues with drainage)

In order to comply with State and City guidelines, the proposed development must retain on site, through use of approved low impact development devices and best management practices, all rainfall events less than or equal to the 80th percentile rainfall event. For storm events greater than the 80th percentile, the additional storm water must either be retained on site or discharged into an approved storm drain system. There is not an existing public storm drain system in 1055 West.

Other Items: (Any other items that might be of concern)

Report Approved:

Director of Engineering Services/City Engineer

1/17/23 Date

# **Project Analysis**

**Project:** Hatch Subdivision December 7, 2022

# **Scenario Descriptions**

# Scenario 1: No Change - R-1.8

No Change - Residential R-1.8 (2.15 acres), Agriculture A-1 (0.8 acres), Agriculture A-5 (2.47 acres)

# Financial Summary by Scenario

Direct Impact	No Change - R-				
(General Fund)		1.8	R-1.8		
Revenue	\$	1,257	\$	17,601	
Property Tax	\$	900	\$	14,505	
Sales Tax (direct)	\$	-	\$	-	
Other	\$	357	\$	3,096	

# Scenario 2: R-1.8

Residential R-1.8

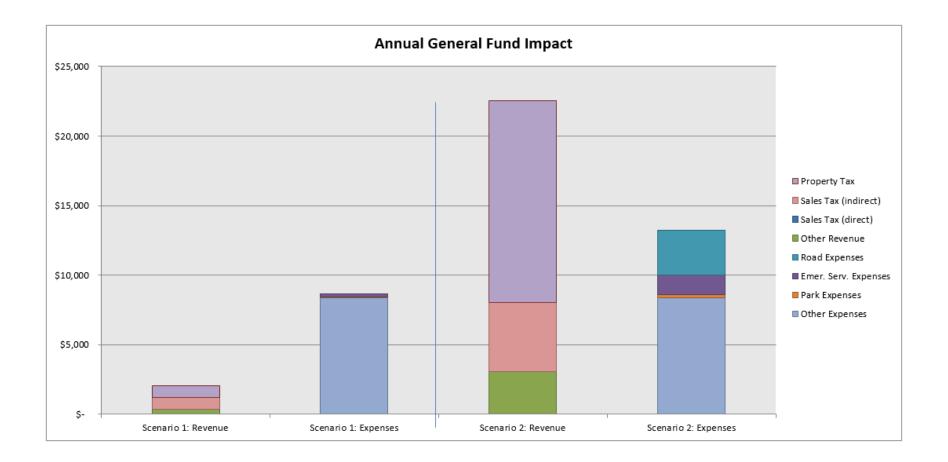
Expenses	\$ 8,653		\$ 13,241
Roads	\$	-	\$ 3,232
Emergency Serv.	\$	230	\$ 1,382
Parks	\$	41	\$ 247
Other	\$	-	\$ -

Total	\$ (7,396)	\$ 4,360
Per Acre	\$ (1,782.24)	\$ 1,050.76
Per Unit	\$ (7,396.28)	\$ 726.69
Per Person	\$ (2,096.03)	\$ 205.94

Indirect Impact						
Potential Retail Sales		81,383	\$	488,296		
Sales Tax (indirect)	\$	827	\$	4,960		

<sup>\*</sup>Other Revenue - Includes Permits, Licenses, Motor Vehicle Tax, Energy Sales & Use Tax, Telecommunications Tax, and Cable Franchise Tax.

<sup>\*\*</sup> Other Expense - Includes all other General Fund Expenses excluding Roads, Emergency Services, and Parks.



#### **RESOLUTION R2023-08**

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOUTH JORDAN, UTAH, AMENDING THE FUTURE LAND USE PLAN MAP OF THE GENERAL PLAN OF THE CITY OF SOUTH JORDAN FROM ECONOMIC INFILL OPPORTUNITY (EIO) TO STABLE NEIGHBORHOOD (SN) ON PROPERTY LOCATED AT 10827 S. 1055 W.; DEVON HATCH (APPLICANT).

**WHEREAS,** the City Council of the City of South Jordan ("City Council") has adopted the Future Land Use Plan Map of the General Plan of the City of South Jordan ("Land Use Map"); and

**WHEREAS,** the Applicant requested that the City Council amend the Land Use Map by changing the land use designation on property located at 10827 S. 1055 W. from Economic Infill Opportunity to Stable Neighborhood; and

**WHEREAS,** the South Jordan Planning Commission reviewed Applicant's proposed amendment and made a recommendation to the City Council; and

**WHEREAS**, the City Council held a public hearing concerning the proposed amendment; and

**WHEREAS,** the City Council finds that amending the Land Use Map as proposed by the Applicant will enhance the public health, safety and general welfare, and promote the goals of the General Plan.

# NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF SOUTH JORDAN, UTAH:

**SECTION 1. Amendment.** The land use designation of the Land Use Map of a portion of property described in Application PLZBA202200217, filed by Devan Hatch, which is located at 10827 S. 1055 W. in the City of South Jordan, Utah, is hereby changed from Economic Infill Opportunity to Stable Neighborhood as shown in **Exhibit A**.

**SECTION 2. Severability.** If any section, clause or portion of this Resolution is declared invalid by a court of competent jurisdiction, the remainder shall not be affected thereby and shall remain in full force and effect.

**SECTION 3. Effective Date.** This Resolution shall become effective immediately upon passage.

[SIGNATURE PAGE FOLLOWS]

		, 2023 BY THE FOLLOWING VOTE:						
		YES	NO	ABSTAIN	ABSENT			
	Patrick Harris Bradley Marlor Donald Shelton Tamara Zander Jason T. McGuire							
Mayor: Dawn R. Ra	msey	Attest		y Recorder				
Approved as to form:								
Office of the City Atto	orney							

# **EXHIBIT A**

(Property Description)

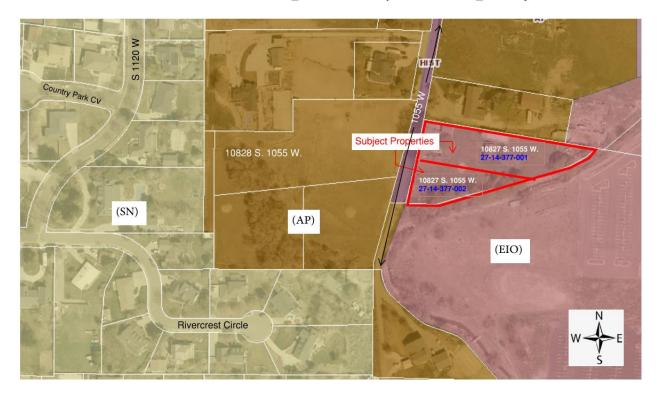
# PARCEL NUMBER: 27-14-377-001

BEG S 12 CHS & E 74 CHS & W 37.5 CHS & N 39;30' W 2.3 CHS & N 75; W 1.5 CHS & N 43; W 2.55 CHS & N 11;30' E 6 CHS FR NW COR OF S 1/2 OF SW 1/4, SEC 14, T3S, R1W, SLM; S 11;30' W 100 FT; S 80;40' E 350 FT; N 71;10'42" E 37.34 FT; N 67;45'39" E 60.96 FT; N 61;21'55" E 37.29 FT; N 51;33'35" E 37.85 FT; NW'LY TO BEG. 0.80 AC. 2199-144 8794-2809

# PARCEL NUMBER: 27-14-377-002

COM 2216.77 FT E & 1570.83 FT S FR W 1/4 COR SEC 14 T 3S R 1W SL MER S 12^30' W 114.25 FT S 87^45'25" E 70.75 FT TO W FENCE LINE OF BECKSTEAD DITCH N 73^20'10" E 72.7 FT N 76^30'E 180.48 FT N 80^00' W 295.6 FT TO BEG 0.47 AC. 2760-0070 4463-0543

# Location Map of Subject Property



#### ORDINANCE NO. 2023-02-Z

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF SOUTH JORDAN, UTAH, REZONING PROPERTY LOCATED AT 10828 S. 1055 W. AND 10827 S. 1055 W. FROM THE A-1, A-5, AND P-O ZONES TO THE R-1.8 ZONE.

**WHEREAS,** the City Council of the City of South Jordan ("City Council") has adopted the Zoning Ordinance of the City of South Jordan (Title 17 of the City Code) with the accompanying Zoning Map; and

**WHEREAS,** the Applicant, Devan Hatch, proposed that the City Council amend the Zoning Map by rezoning the property described in the attached Exhibit A; and

**WHEREAS,** the South Jordan Planning Commission reviewed the proposed rezoning and made a recommendation to the City Council; and

WHEREAS, the City Council held a public hearing concerning the proposed rezoning; and

**WHEREAS,** the City Council finds that the rezoning will enhance the public health, safety and welfare and promote the goals of the General Plan.

# NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SOUTH JORDAN, UTAH:

**SECTION 1. Rezone.** The property described in Application PLZBA202200217 located in the City of South Jordan, Utah is hereby reclassified from the A-1, A-5, and P-O Zones to R-1.8 on property described in the attached **Exhibit A**.

**SECTION 2.** Filing of Zoning Map. The Official Zoning Map showing such changes shall be filed with the South Jordan City Recorder.

<u>SECTION 3.</u> Severability. If any section, part or provision of this Ordinance is held invalid or unenforceable, such invalidity or unenforceability shall not affect any other portion of this Ordinance and all sections, parts, provisions and words of this Ordinance shall be severable.

**SECTION 4. Effective Date.** This Ordinance shall become effective immediately upon publication or posting as required by law.

[SIGNATURE PAGE FOLLOWS]

PASSED AND ADOPTE JORDAN, UTAH, ON TH FOLLOWING VOTE:					
		YES	NO	ABSTAIN	ABSENT
	Patrick Harris Bradley Marlor Donald Shelton Tamara Zander Jason McGuire				
Mayor:		Attest		ngo mdo m	
Approved as to form:			City Re	ecorder	
Office of the City Attorney					

#### **EXHIBIT A**

(Property Description)

# A-5 Zone to R-1.8 Zone

# PARCEL NUMBER: 27-14-376-008

BEG S 1501.88 FT & E 1786 FT FR W 1/4 COR SEC 14, T 3S, R 1WS L M; E 195.5 FT; N 80 FT; E 309.5 FT; S 14^59'22" W 198.05FT; S 83^52'33" W 456.38 FT; N 160 FT TO BEG. 2.0 AC M OR L.5316-0001

# A-1, A-5, P-O to R-1.8 Zone

PARCEL NUMBER: 27-14-377-001

BEG S 12 CHS & E 74 CHS & W 37.5 CHS & N 39¿30' W 2.3 CHS & N 75¿ W 1.5 CHS & N 43¿ W 2.55 CHS & N 11¿30' E 6 CHS FR NW COR OF S 1/2 OF SW 1/4, SEC 14, T3S, R1W, SLM; S 11¿30' W 100 FT; S 80¿40' E 350 FT; N 71¿10'42" E 37.34 FT; N 67¿45'39" E 60.96 FT; N 61¿21'55" E 37.29 FT; N 51¿33'35" E 37.85 FT; NW'LY TO BEG. 0.80 AC. 2199-144 8794-2809

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# Location Map of Subject Property

