



MURRAY CITY CENTER DISTRICT

NOTICE OF MEETING AND AGENDA

March 30, 2023

5:30 PM

4646 South 500 West

Please contact the Planning Division at 801-270-2430 or planning@murray.utah.gov with any questions regarding any of the items on the agenda.

CALL MEETING TO ORDER

APPROVAL OF MINUTES

1. Approval of Minutes

October 6, 2022 Minutes

DESIGN REVIEW

2. The NOAH - 149, 155-157, and 163 East Vine Street

Project: 22-142

Design Review for a Horizontal Mixed Use Project

BUSINESS ITEM(S)

3. Election of Chair and Vice Chair for 2023

ANNOUNCEMENTS AND QUESTIONS

ADJOURNMENT

The next scheduled meeting will be held on Thursday, April 27, 2023, at 5:30 p.m. MST

Special Accommodations for the hearing or visually impaired will be made upon a request to the office of Murray City Recorder (801-264-2662). We would appreciate notification two working days prior to the meeting. TTY is Relay Utah at #711.

Committee Members may participate in the meeting via telephonic communication. If a Committee Member does participate via telephonic communication, the Committee Member will be on speakerphone. The speakerphone will be amplified so that the other Committee Members and all other persons present in the Conference Room will be able to hear all discussions.

At least 24 hours prior to the meeting, a copy of the foregoing notice was sent to the City Recorder to post in conspicuous view in the front foyer of the Murray City Center, Murray, Utah. A copy of this notice was also posted on Murray City's internet website www.murray.utah.gov and the state noticing website at <http://pmn.utah.gov>.

-Draft-

The Murray City Center District (MCCD) Review Committee met on Wednesday, October 6, 2022, at 5:36 P.M. for a meeting held at the Public Services Conference Room.

Present: Andy Hulka, Chair
 David Hunter, Vice Chair
 Kiersten Davis
 Jared Hall, Community and Economic Development Director
 Kim Sorensen, Parks and Recreation
 Diana Baun, Transcriptionist
 Lori Edmunds, Cultural Arts Director
 Wendy Parsons Baker

Excused: Ray Beck
 Daniel Hays

Mr. Hulka welcomed all to the meeting.

1. APPROVAL OF MINUTES

Mr. Hunter motioned to approve minutes from July 28, 2022, and Ms. Davis seconded. Motion passed 3-0.

2. DESIGN REVIEW – Murray Mansion – 4872 South Poplar Street – Project #22-145

Mr. Hall reviewed a brief history of the Mansion and its location and the proposed changes and additional background from the Staff Report.

Mr. Hunter asked for the reasoning behind not doing brick all the way around.

Mr. Hall said he believes it's because it would be very difficult to match the current brick, so they are going to match it as best they can and use the other design elements to distract from any differences. The copper color being used will match the city hall building. He continued reviewing the proposed changes from the Staff Report, as well as how they intend to comply with city code for the area.

Ms. Davis asked if they will be able to move the fence over.

Mr. Hall responded that yes, the thinking is that they will remove some of the lawn area and move the fence back in that direction. They would basically be increasing the sidewalk area another 5 feet, and they can add other things where needed. He reviewed the staff recommendation of approval.

Ms. Davis asked about the bathrooms being added, if there will be a baby changing station on at least one of the floors.

Mr. Hall said he will pass that recommendation on to staff, believes both will be unisex bathrooms for ADA accessibility.

Mr. Hunter noted, after looking at Building Code Section 10.009, that there will be a diaper station in at least one of the bathrooms.

Mr. Hall noted the architect isn't here tonight and he will have to ask him some of the questions being raised tonight.

Mr. Hunter stated he is slightly disappointed by the siding but realizes the constraints they have with trying to match the current brick; otherwise, he is satisfied with the proposal.

Mr. Hall agreed that it's too hard to match brick and likes that it will tie into City Hall.

Mr. Hunter also stated the older addition was disappointing as well, as it didn't harmonize either.

Mr. Hall added that the city's RDA owns the chapel building and that is up for sale. The chapel is also being deed restricted to stay the way it is, being used in its current form, so it stays historic. Fifth avenue will also be improved and tie into these historic buildings.

Mr. Hulka asked if there will be other improvements, other than the inside which is already mentioned in the Staff Report.

Mr. Hall said the photos in the Staff Report were from the museum section, and asked staff if the annexed part is where the majority of the museum will be, or if it will extend into the main part of the mansion as well.

Ms. Edmunds responded that most exhibits will be in that spot, but the rest of the home on that floor will be used for other things.

Mr. Hall added that Ms. Edmunds' office will also be located in the mansion once this project is completed.

Mr. Hulka asked if there are any long-range plans for upgrades or other changes not included in this proposed project.

Ms. Edmunds said that as soon as a specific hole is dug, they can start working on the electrical; they can't do anything else until they start on that. After that they will begin work on HVAC, plumbing, and the other work that needs to be done.

Mr. Hall asked to clarify that once the mansion is converted for the museum and offices, there are no other plans to add in additional services or programs.

Ms. Edmunds agreed, there are no other plans.

Mr. Hulka stated he shares the same concerns that the annexed portion is not as architecturally interesting as the original mansion. He thinks it would be cool if, as things grow and expand, they could try to plan to address more of that historic style with future changes.

Mr. Hunter said he understands the point of going totally contrasting. The current style of detailing on the mansion, if not done correctly, would look kitschy and worse than if you do something totally opposite. There is already an addition from the 1990s, and now this addition; it's time to just accept how it is and know that the mansion stands alone. He asked what the museum is planning to hold and display.

Ms. Edmunds responded that it will be the story of when the city first started, through today. The current displays kind of stopped in the 1940s, so they are going to add more exhibits to complete the story of Murray.

Mr. Hall noted that the museum is currently in city hall and those exhibits will have to be moved.

Mr. Hunter asked if the water chillers in the hallway meet code, as they seem to be encroaching on the hallway.

Mr. Hall said the review for the building permit is going on right now, and they often come back with corrections after that first round.

Ms. Davis said those chillers were probably placed based on where the plumbing is currently. She asked if those would be water fountains only, or combined fountains and filling stations.

Mr. Sorensen said they will have both.

Ms. Davis motioned to move this project along. Mr. Hunter seconded the motion. A voice vote was made, motion passes with a vote of 3-0.

Mr. Hall said this will move to the planning commission on October 20.

3. OTHER BUSINESS

Mr. Hall stated that the committee reviewed plans back in July for The Wyatt. The owner of The Wyatt has acquired more property next to that building and he is doing his other planned building, The Noah. The Noah is just starting its reviews, and it is totally different looking than The Wyatt. The buildings will share a courtyard and be similar in size. That will probably be brought to the MCCD at the end of October or the beginning of November, and it will have the same kind of mechanical lift parking; each building will have their own parking system.

Mr. Hunter moved to adjourn the meeting. Ms. David seconded the motion. A voice vote was made and passed 3-0.

Meeting adjourned at 6:01 p.m.

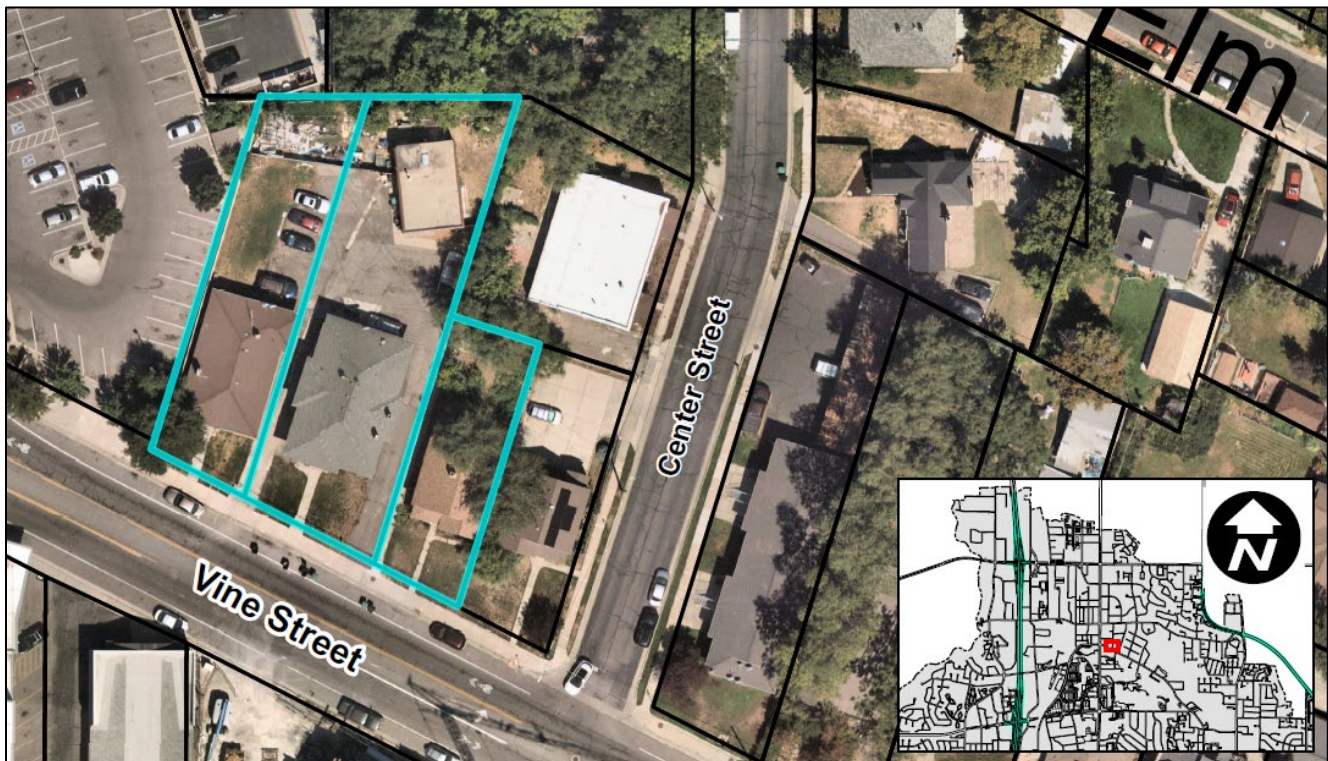


Jared Hall, Community & Economic Development Director



AGENDA ITEM # 2 - The NOAH

ITEM TYPE:	Design Review		
ADDRESS:	149, 155-157, 163 East Vine Street	MEETING DATE:	March 30, 2023
APPLICANT:	Jonathan Oliver	STAFF:	Zachary Smallwood, Senior Planner
PARCEL ID:	22-07-111-014, 013, and 016	PROJECT NUMBER:	22-142
ZONE:	MCCD, Murray City Center District		
SIZE:	.55 Acre Site 73,391 ft ² mixed-use building (39 condominiums / 1,143 Commercial) 10,845 ft ² Commercial Building		
REQUEST:	The applicant is requesting Design Review to allow the construction of two buildings: a mixed-use building and a commercial building.		



I. LAND USE ORDINANCE

Section 17.170.040 of the Land Use Ordinance outlines the process for review of applications located within the Murray City Center District (MCCD). New construction within the zone requires Design Review approval by the Planning Commission after obtaining a recommendation from the MCCD Review Committee.

II. BACKGROUND & MCCD STANDARDS REVIEW

Project Location

The subject properties are located on the north side of Vine Street directly east of the Home2Suites Hotel. There are currently three single family dwellings and a commercial building on the properties. The applicant proposes to demolish these buildings and construct a new mixed-use building and a commercial building.

Surrounding Land Use and Zoning

<u>Direction</u>	<u>Land Use</u>	<u>Zoning</u>
North	Multi Family Residential	MCCD
South	Mixed-Use	MCCD
East	Commercial	MCCD
West	Commercial	MCCD

Project Description

The applicant is proposing two buildings on the site. The first is a seven (7) story building that contains commercial and parking on the ground floor, residential and amenity spaces on the upper floors. The applicant states their intention to build thirty-nine (39) for-sale condominium units.

The second building is a four (4) story building with parking on the ground floor and commercial and office space on the upper levels.

Area, Width, Frontage and Yard Regulations

Section 17.170.050 of the Land Use Ordinance states that main entries to a building should provide a strong connection to the street. Building setbacks in the MCCD Zone are measured from the back of curb and are required to be between 12' and 25'. The result is an effective setback from property line between 0' and 13'. The setbacks are measured in this way to reinforce the importance of the public, pedestrian improvements and the necessity of the building's proximity in creating that environment.

New developments must be designed to have fifty percent (50%) of the building façade be within twelve to eighteen feet (12'-18') from the back of curb. The mixed-use building is approximately sixty-five feet (65') wide and has thirty-three feet (33') within the allowable setback space on the ground floor which equates to approximately fifty-one percent (51%).

The upper floors increase to a maximum of eighty-seven percent (87%) within the setback area.

The separate commercial building is approximately thirty-six feet (36') wide and the entire frontage is within the twelve to eighteen foot (12'-18') setback. The applicant is within the regulations for this requirement. Staff would like to note that previous projects have had issues when at the construction stage and the footings encroach into the public right of way. This has caused concern for various departments; staff recommends that the applicant review their documents to address any footings so that they do not encroach into the public right of way.

Public Improvements and Street Character

Curbside Management Plans

The applicant has not provided a complete curbside management plan. There have been discussions in person about “red-curbing” the front area of these two buildings to not allow for public parking. This has thus far not been shown on any plans. The applicant will need to provide a specific plan that outlines space for loading/unloading for public transit, ridesharing, micro-transit, and accommodation for residential and commercial delivery vehicles.

Public Right of Way Improvements

The site plan shows installation of the MCCD requirements of five feet (5') of park strip and seven feet (7') of pedestrian sidewalk. At the request of the Planning Division to create a cohesive streetscape, the applicants have agreed to follow the improvements that are installed to the west where Home2Suites is located. This falls in line with “The Vine” mixed-use building on the south side of Vine Street as well.

In preparation for this review, staff found a section of the improvements that were labeled as “C-1” on the Site Plan, the caption for this is “Private Sidewalk” (see figure 1 below). This will not be allowed in the MCCD Zone, the applicant will need to install the improvements and dedicate those improvements to the city as public right of way.

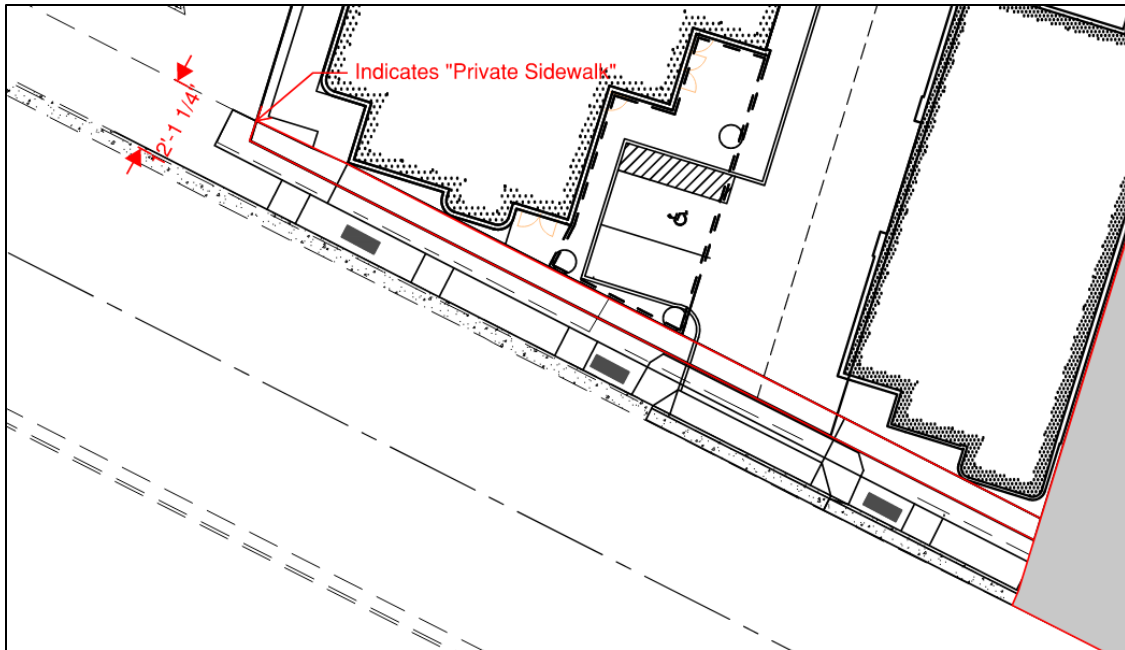


Figure 1: Area Indicated as C-1 "Private Sidewalk"

Planning Division staff is confident that the concerns mentioned above can be addressed between the MCCD Committee design review and the Planning Commission. They will be addressed as conditions of any design review recommendation.

Building Design, Scaling and Density

Primary Entrances

The land use ordinance requires that the primary entrance to the building be “clearly identifiable and must be oriented to the street, plaza, or pedestrian way”. There are two proposed entries to the mixed-use building. The first entry faces the public street provides access to the retail space. The second entry is pushed further back and faces the access way for the building. This provides a delineation between the publicly available retail area and the private residential area above.

The commercial building has a single entrance that directly abuts the public right-of-way. Upon entering the building, you are located in a lobby area. There are stairs that lead up to the commercial/retail portions of the building. Planning Division staff recommends that the elevator be placed facing the lobby instead of the parking area to assist with accessibility to patrons to the commercial/retail spaces above.

Maintenance buildings, storage, and service areas

The applicant has proposed placing all service-related elements of the project to the rear of the property on the accessway. Staff does not have any concerns at this time.

Blank Walls and Openings

The ordinance requires that blank walls not occupy more than 50% of the principal frontage (Vine Street). Staff has no concerns on this requirement. Non-residential buildings are not allowed to have a section of blank wall more than thirty feet (30'). The ground floor of the commercial building does have a blank wall that extends approximately seventy-one feet (71') on the east elevation. This can be mitigated by adding an opening in the parking area of the building. This will also help with ventilation for vehicles in this enclosed parking area.

Commercial Component

All buildings that front on to a principal street (Vine Street) are required to have a certain amount of commercial included with the project. Staff's concern is that the mixed-use building will not have adequate commercial space to be wholly compliant with the requirements of the zoning ordinance. Thus, Planning Division staff has determined that this will need to be reviewed as a *horizontal mixed-use project* and is subject to the Master Site Plan process. The calculation for this requirement for horizontal mixed uses is the width of the properties and a minimum depth of forty feet (40'). Based on the 140' of frontage the applicant is required to have a total of 5,600 ft² of commercial space between the two buildings. The applicants have provided approximately 11,988 ft². This is much more than is required.

The applicant may amend their plans to meet the required commercial within the mixed-use building and not be subject to the Master Site Plan review and agreement. This report is reviewed as though the applicant will be going forward as proposed.

Residential Density

The maximum residential density for projects located east of State Street are limited to eighty (80) units per acre. The applicant has proposed thirty-nine (39) units on .55 acres that equates to approximately seventy-one (71) units per acre. Staff does not have any concerns with the number of dwellings for this project.

Height Regulations

Section 17.170.120 prescribes height requirements for the MCCD Zone. For buildings that are located within sixty feet (60') of a residential district height is limited to fifty feet (50'). The applicant is outside the sixty-foot height restriction. The proposed mixed-use building is approximately eighty-seven feet (87') tall and has seven (7) floors. The commercial building is proposed to be approximately four (4) floors and forty-eight feet (48') at its tallest point. Staff does not have any concerns with the proposed building heights and feels that the combination of the materials and undulation of the building present a pleasant and different product that is traditionally seen.

Parking Regulations

Residential parking is calculated based on the number of bedrooms that a home has.

Commercial parking is required at one (1) space for every 500 ft² of **net usable** square footage. The table below shows the minimum required for both the mixed-use building and the stand-alone commercial building.

Building	Use Type	Required	Units/Square Feet	Required	Provided
1	2-bedroom	1.5	39	59	54
1	Commercial	1 per 500 ft ²	987 ft ²	2	2
2	Commercial	1 per 500 ft ²	2,917 ft ²	6	8
Total				67	64

Based on the number of units proposed there is a parking need of fifty-nine (59) spaces. The applicant has provided eighteen (18) mechanical stacked parking which totals fifty-four (54) spaces. There are two (2) ADA accessible spaces within the garage portion of the building. The retail portion requires two (2) off-street parking spaces, there is a single space and an ADA accessible space. Based on the total need of sixty-one (61) spaces the applicant has provided fifty-eight (58) for the mixed-use building. The separate commercial building requires a total of six (6) parking spaces and has provided a total of eight (8).

Overall, there is a parking deficiency of three (3) spaces. This will need to be addressed prior to placement on a planning commission agenda. There is the opportunity for joint use parking that is regulated by section 17.170.140(B)(2) that states that “Joint use of required parking spaces may occur where two (2) or more uses on the same or separate sites are able to share the same parking spaces because their parking demands occur at different times. Joint use of required non-residential parking spaces is allowed if the following documentation is submitted in writing to the Planning Commission:

- (a) The names and addresses of the uses and of the owners or tenants that are sharing the parking.
- (b) The location and number of parking spaces that are being shared.
- (c) An analysis showing that the peak parking times of the uses occur at different times and that the parking area will be large enough for the anticipated demands of both uses.
- (d) A legal instrument such as a cross-access and parking easement or deed restriction that guarantees continued access to the parking for both uses.

The applicant has not provided this information, but if they propose to utilize this exception the documentation will need to be provided prior to being placed on a Planning Commission agenda. It will also need to be included in any master site plan agreement.

Within the MCCD Zone there is a bike parking requirement of 5% of the total number of spaces be provided for bicycles. This results in two (2) required spaces. Staff encourages the applicant to provide additional bicycle parking within the structure to facilitate a more bike and pedestrian friendly atmosphere.

Loading and Service Areas

Preliminary utility plans were included in the submittal for design review and are attached to the report for review. Staff did not see anything of note that should concern the Design Review Committee at this time.

Open Space & Landscaping

Section 17.170.160(A) requires that there be a system of pedestrian walkways and sidewalks that provide access to building entrances. The buildings face Vine Street and have great access to that street. There is side access on the east side of the mixed-use building that provides access to the rear of the property for additional pedestrian access.

Landscaping and amenity space is required at 15% of the total site area. The applicants show the total lot square footage of 23,958 ft². This requires 3,594 ft² of open and amenity space. The applicant has provided an open area to the rear of the property that equates to approximately 3,677 ft² (16 %). This does not include the rooftop amenity spaces and internal private spaces within both the mixed-use and commercial buildings. The applicant meets the minimum requirement for this element. Staff recommends that the applicant begin to develop what the outdoor space will look like to provide additional details to the Planning Commission, and if the Review Committee would like to see these details can ask to have the applicant come back at a later meeting prior to a recommendation being made.

Signage

The applicant has shown preliminary signage for the project. Staff does not have any concerns with the size of the signage at this time. Signage is considered a “minor alteration” in the MCCD Zone and will need to go through the administrative design review process prior to submittal for a building permit.

III. MASTER SITE PLAN REVIEW

A master site plan approved by the Planning Commission is required for horizontal mixed-use developments and mixed-use developments located on a parcel or combination of parcels three (3) acres or greater. In addition to the requirements of the MCCD Zone, the Planning Commission shall address the following when considering the master site plan.

Building Orientation:

The proposed buildings are oriented to face the public street with connections directly to the public right of way. With the mix of residential and commercial and the relatively small size development it does not pose any concerns to the Planning Division staff.

Central Feature:

Due to the constraints of the property, staff cannot identify a central feature for this proposed property. This may be addressed by the Planning Commission with a recommendation by the Review Committee to omit the central feature, or determine that because of the relationship between the two buildings that the central feature element has been met.

The Review Committee could also ask that the applicant review their proposal and provide for a central feature if the committee feels that it would be appropriate. Staff recommends that the review committee review the materials and provide a condition regarding either approach.

Outdoor Spaces:

The proposed development includes the addition of an outdoor space that is linked to the project to the north (the WYATT). There are connections to this open space from the NOAH, the NOAH East, and the WYATT. There is also a sidewalk that goes out to the public right of way. Staff does not have any concerns with the proposed outdoor spaces.

Master Site Plan Agreement:

Projects that require a Master Site Plan Review are required to enter into an agreement between the developer and the city to govern the timing and installation of improvements, performance on critical development components, and will memorialize the requirements for development of multiple buildings. Upon receiving design review and master site plan approval a draft agreement will be developed and will include the following:

1. Allowed phasing of residential and commercial development components.
2. Allowed residential densities.
3. Required parking for all uses.
4. Buffering of adjacent single-family residential zones.
5. Adequate public facilities and services.
6. Establishment, maintenance, or enhancement of commercial elements.

If the applicant intends to pursue the design as presented, there are elements that are required to be provided for Master Site Plan approval.

1. Traffic Impact Study: The study must be prepared by a licensed traffic engineer and analyze the traffic impacts of the proposed development on surrounding public and private transportation facilities.
2. Parking Analysis: The applicant must prepare a parking analysis for the proposed mix of uses, demonstrating that the project's parking and circulation needs can be accommodated.
3. Adequate Public Utilities And Facilities Review: In order to determine the availability of and impact upon public facilities and services the applicant shall conduct a review of all public utilities including power, water, sanitary sewer, and storm water with the Public Works Department.
4. Public Services Review: The City may require review of the project's impact upon services including police, fire, schools, parks, and others.

Staff understands that these were not originally submitted because the initial idea that this was a vertical mixed-use project. If the intent of the applicant is to pursue this design, these items will need to be submitted prior to being placed on a Planning Commission agenda.

IV. MURRAY CITY CENTER DISTRICT DESIGN GUIDELINES REVIEW

According to the purpose statement for the Murray City Center District “...The regulations and design guidelines of the MCCD are intended to promote mixed-use development, encourage pedestrian oriented design, promote development opportunities, and increase residential and commercial densities. The anticipated development model promotes sustainable, compact, mixed-use, transit-oriented uses with neighborhood oriented commercial, restaurant, civic, cultural, and residential spaces to promote street life and activity”.

The Design Guidelines have been adopted to be used by the MCCD Review Committee to consult during the review of proposed developments in order to provide guidance, direction, and options which will further the purposes of the MCCD. Where practical, development should adhere to the objectives and principles of the Design Guidelines.

Shared Values (principles)

Authentic:

The applicant’s proposal, which is located east of State Street, is in a unique area close to a lot of change that is occurring in the city. There has been a mix of development types in this area. The applicant has worked with local interest groups and neighbors to provide a project that would truly be unique to this valley. It provides an aesthetic that is not often found in new development. With some additional changes as outlined below, the proposed condominiums can fit into the area nicely.

Active:

Additional housing in the area contributes to a more active district as a whole. With the addition of commercial components, it will add more activity on the street.

Inclusive:

This proposal is unique in that they are for-sale units. In addition to the applicant’s other project these would be the first of their kind in the downtown area. Allowing for condominium ownership in the downtown would provide a different type of resident, and increase the mix of housing types in the area.

Multi-Modal:

The requirement for bicycle parking within the downtown area provides greater opportunities for alternative modes of transportation. This project is developed at a scale that lends itself to walking and biking for the residents both in and around the neighborhood.

Connected:

The proposal is being developed in conjunction with the applicant's properties to the north. The blend together well and serve to connect the area. With plenty of openings in the front façade to allow for neighborly connections, this project has the potential to grow the downtown in unique ways with the smaller scale, and for-sale nature.

Design Guidelines (objectives)

The following section provides opportunities for discussion and improvement of the proposed project. Staff recommends that the Review Committee use this review as a jumping off point to begin discussions on this proposal.

Walkability:

Staff has concerns about access to the bicycle storage area. It seems to be placed behind the building with little to no thought given to the potential users. Staff recommends that the applicant review the location of the bike parking and see if it can be placed in a more easily accessible location. Staff understands that this is a very tight site, if the applicant is unable to find a better space, provide a narrative of that. Bicycle parking should also be integrated into the street improvements as well as provided near the entrance to the building to encourage the use of bikes for multiple, quick back and forth trips.

Largely, this project provides pedestrian comfort with street trees and physical separation from vehicular traffic on Vine Street.

Sustainability:

The applicant has expressed a desire to place solar panels on the top of the building. Staff supports that goal and encourages the applicants to work towards that end. The utility plans that need to be provided can include plans for the solar panels.

Streetscape:

Staff feels that the requested restriction for no on-street parking is warranted, especially on Vine Street. This street is relatively small and will need the space to maintain bike lanes in the future. Utilizing the same treatments that other projects have done will help with a cohesive street along Vine.

Public Space:

Staff does not have any comments regarding public space for this application.

Open Space:

The amenity space that is provided for future residents allows for it to be private without the perception of it being open to the public. It is located behind the buildings but allows for multiple users such as the Wyatt.

Parking:

The use of stacked mechanical parking is unique in this project. It allows the parking area to be smaller than what would normally be required in the zone. However, the number of parking spaces is still inadequate according to the requirements of the MCCD Zone. The applicant will need to work with staff to address this.

A bike rack is required on-site; staff recommends placing it near the entrance to the building for ease of use.

Neighbor Awareness:

The east side commercial building does present concern with the neighboring property. The owner of the property has expressed concerns with the dramatic change. The applicant has approached the property owner on items that could be addressed but nothing has come from it to date.

The building utilizes balconies to modulate the façade. There are multiple floors with differing balcony types which gives the building a much softer look.

Light:

Proposed lighting of the building will need to be reviewed prior to being placed on a planning commission agenda.

Connection to the ground:

This proposed project has a material distinction connecting it to the ground with large windows that further enhance the connection. This allows for the community to see what is happening on the street, and entices passersby to enter the retail portions of the properties.

Connection to the Sky:

The proposal does a great job of creating a termination of the building with architectural banding across both buildings. The commercial building indicates a flag pole on top which furthers the connection. Staff does not have any concerns.

Fenestration and Porosity:

The applicant has provided balconies for all units to allow for natural light and air to flow into the homes and commercial spaces. The only blank wall on the project is for the parking garage on the east side of the proposed commercial building which will need to be addressed. Staff does not have any concerns here.

Express a Clear Organizing Idea:

The applicant has proposed two buildings that indicate a very clear idea of what they are proposing. The applicant has consulted with local residents and provided a design that is cohesive and well thought out.

Private Space:

The applicant has provided private balconies and operable windows across the project. No concerns from staff.

Materiality:

The applicant has provided a clear idea of what they are expressing for these two buildings, they have slimmed down the use of materials which gives the projects a much more streamlined look without being a “box”.

V. DESIGN REVIEW STANDARDS REVIEW

Section 17.170.040(2)(c) outlines the following standards for review for Design Review Approval.

A. The project is in general conformance with the current Murray City General Plan.

With compliance to city regulations, the proposed use is desirable and will be in conformance with the current Murray City General Plan.

B. The project is in general conformance with the specific area plan, if any, adopted for the area.

There are no specific area plans in effect for the subject property.

C. The project conforms to the requirements of the applicable sections of the Land Use Ordinance.

The applicant will need to work with the Planning Division staff to address a number of issues to come into conformance with the requirements of the Land Use Ordinance. These items can be addressed at a staff level, prior to being placed on a Planning Commission agenda and review by the MCCD Review Committee at this time is acceptable.

D. The project does not jeopardize the health, safety, or welfare of the public.

With conditions the proposed building will not jeopardize the health, safety, or welfare of the public.

E. The Project is in harmony with the purpose of the MCCD zone and adheres to the principles of the design guidelines.

With changes, staff believes that this project will be in harmony with the purpose of the MCCD Zone and will adhere to the principles of the design guidelines.

VI. CONCLUSION & RECOMMENDATION

Based on the review of the requirements of the MCCD Zoning Ordinance, staff recommends that the MCCD Review Committee forward a recommendation of approval to the Planning Commission for the Master Site Plan application for the NOAH located at 149, 155-157, 163 East Vine Street, subject to the following:

1. Prior to being placed on a Planning Commission agenda the applicant shall provide a curbside management plan that addresses the location for ride-share, delivery, and other vehicles used on a temporary basis.
2. Prior to being placed on a Planning Commission agenda, remove “private sidewalk” on all plans. The required improvements for sidewalk and park strip are public space and dedicated to the city.
3. Prior to being placed on a Planning Commission agenda the applicant will need to address the blank wall on the east side of the commercial building and provide some sort of break in the wall.
4. Prior to being placed on a Planning Commission agenda the applicant will need to address the parking deficiency as outlined in the staff report.

MURRAY CITY CENTER DISTRICT APPLICATION

Project # 22-142

Type of Application (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> Minor Alteration | <input type="checkbox"/> Significant Building |
| <input type="checkbox"/> Major Alteration | <input checked="" type="checkbox"/> New Construction |
| <input checked="" type="checkbox"/> Demolition | <input type="checkbox"/> Change of Use |

Subject Property Address: 149, 155, 157 & 163 Vine St., Murray, UT 84107

Parcel Identification (Sidwell) Number: 22-07-111-014-0000, 22-07-111-013-0000, 22-07-111-016-0000

Parcel Area: 51 ac / 227,218 sq ft. Current Use: Commercial, SFT, Duplexes Zoning Classification: MCCD

Floor Area: 3,698 sq ft Retail/Office/Storage Area: 875 sq ft

Applicant Name: Jonathan Oliver

Mailing Address: 1089 E. Benchview Dr.

City, State, ZIP: Ogden UT 84404

Daytime Phone #: 801-458-4111 Fax #: _____

Email: jonathan@newdevelopmentconsulting.com

Business or Project Name (If applicable): New Development Consulting ^{The} NOAH

Property Owner's Name (If different): _____

Property Owner's Mailing Address: _____

City, State, Zip: _____

Daytime Phone #: _____ Fax #: _____

Email: _____

Describe your request in detail (use additional page if necessary): We would

like to replace the existing structures with a 39-
unit Condo / mixed use building w/ 2 commercial units.

Authorized Signature: [Signature] Date: 9/13/2022

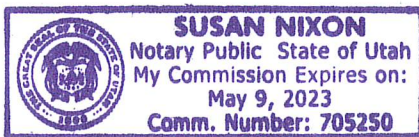
Property Owners Affidavit

I (we) Jonathan Oliver, being first duly sworn, depose and say that I (we) am (are) the current owner of the property involved in this application: that I (we) have read the application and attached plans and other exhibits and are familiar with its contents; and that said contents are in all respects true and correct based upon my personal knowledge.

Owner's Signature

Owner's Signature (co-owner if any)

Subscribed and sworn to before me this 14th day of September, 2022.



Notary Public

Residing in

My commission expires:

Agent Authorization

I (we), _____, the owner(s) of the real property located at _____

_____, in Murray City, Utah, do hereby appoint _____

_____, as my (our) agent to represent me (us) with regard to this application affecting the above described real property, and authorize _____

_____ to appear on my (our) behalf before any City board or commission considering this application.

Owner's Signature

Owner's Signature (co-owner if any)

On the _____ day of _____, 20_____, personally appeared before me _____

_____ the signer(s) of the above *Agent Authorization* who duly acknowledge to me that they executed the same.

Notary Public

Residing in _____

My commission expires: _____



THE NOAH RENDERING



THE NOAH

CONNECTION BRIDGE
TO "THE WYATT"



NOAH WEST ELEVATION

SCALE: 1" = 10'-0"



NOAH SOUTH ELEVATION

SCALE: 1" = 10'-0"



ALW ALW ARCHITECTS AND DESIGNERS

380 N. 200 W. - SUITE 107
BOUNTIFUL, UTAH 84010
(801) 292-6263



NOAH WEST ELEVATION
SCALE: 1" = 10'-0"



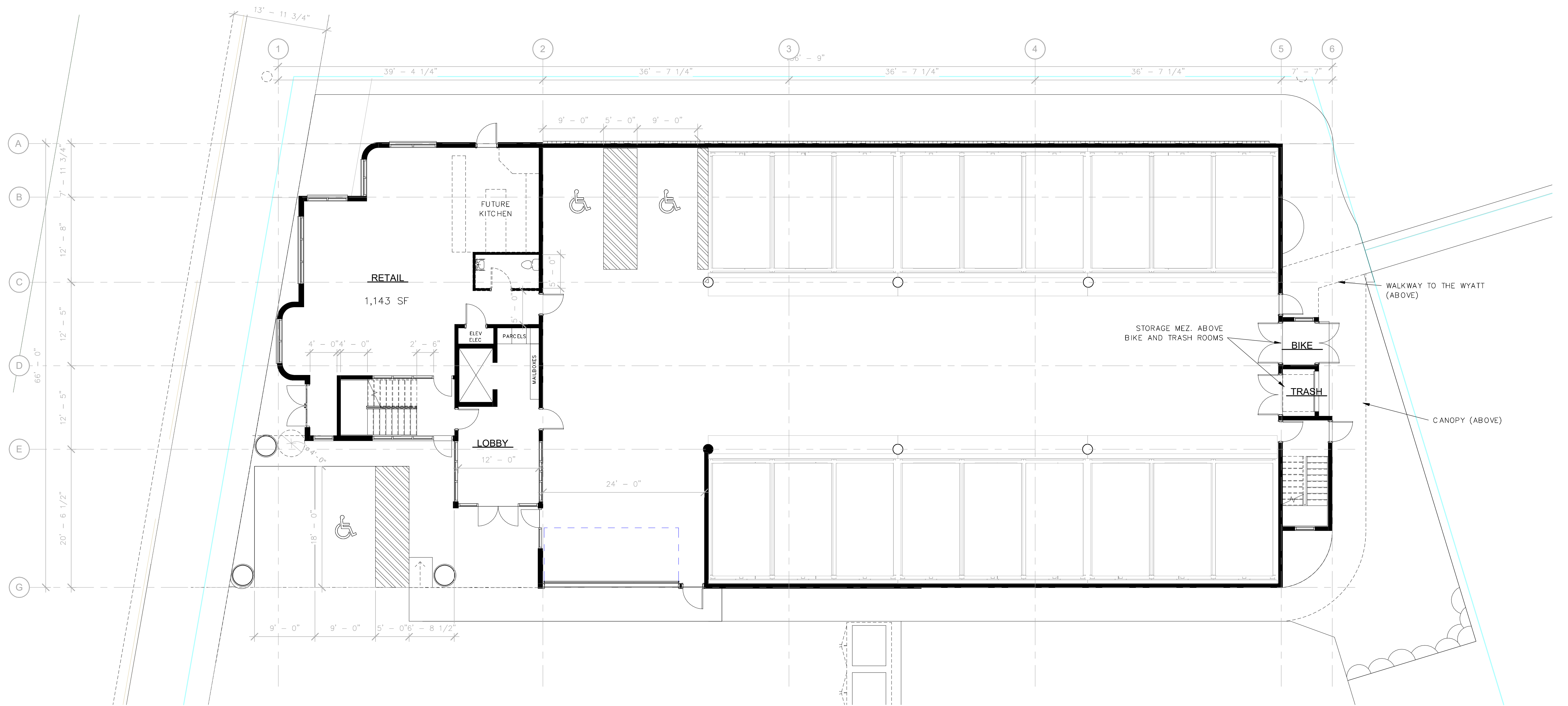
NOAH EAST ELEVATION
SCALE: 1" = 10'-0"



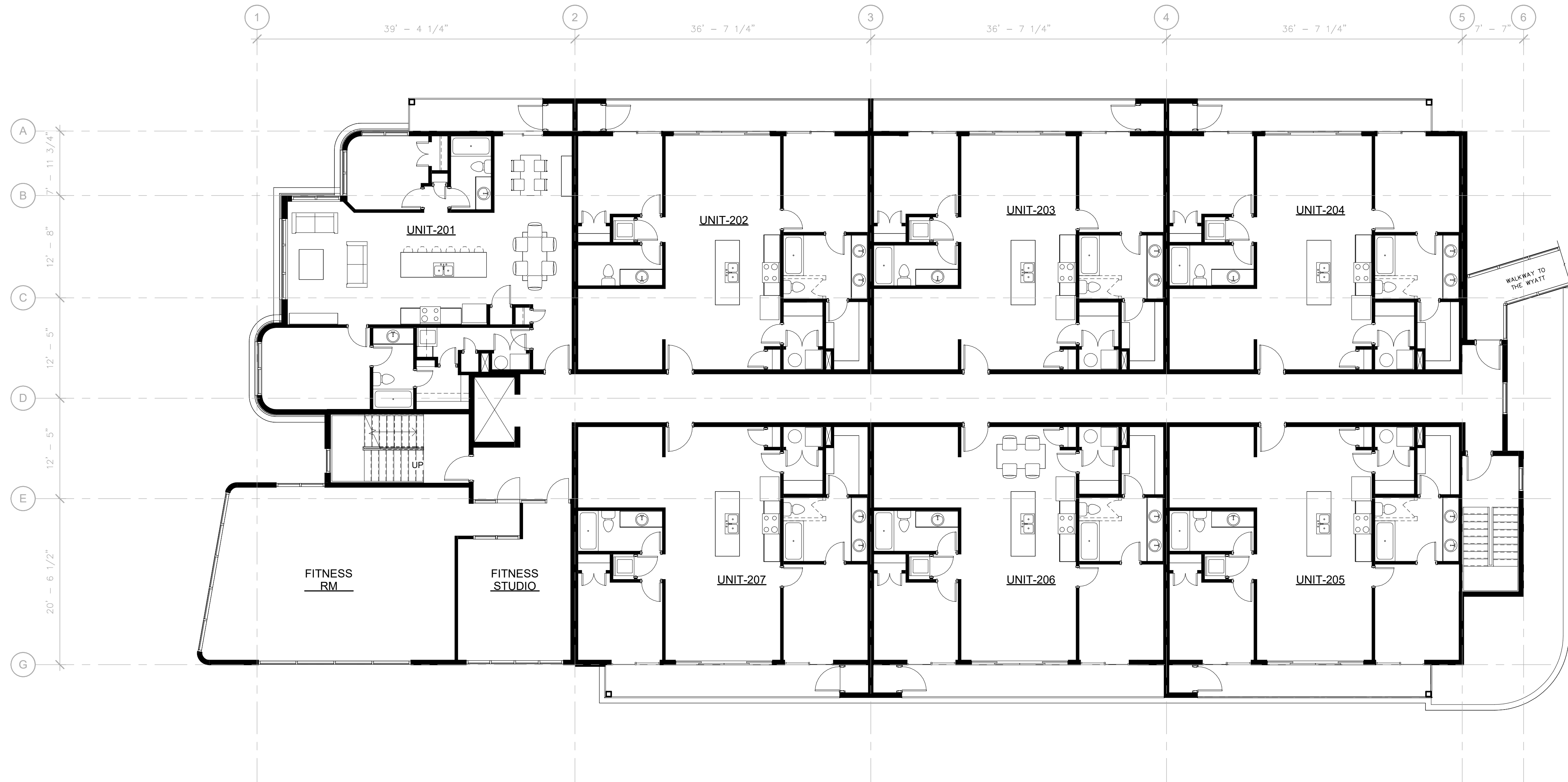
NOAH NORTH ELEVATION
SCALE: 1" = 10'-0"



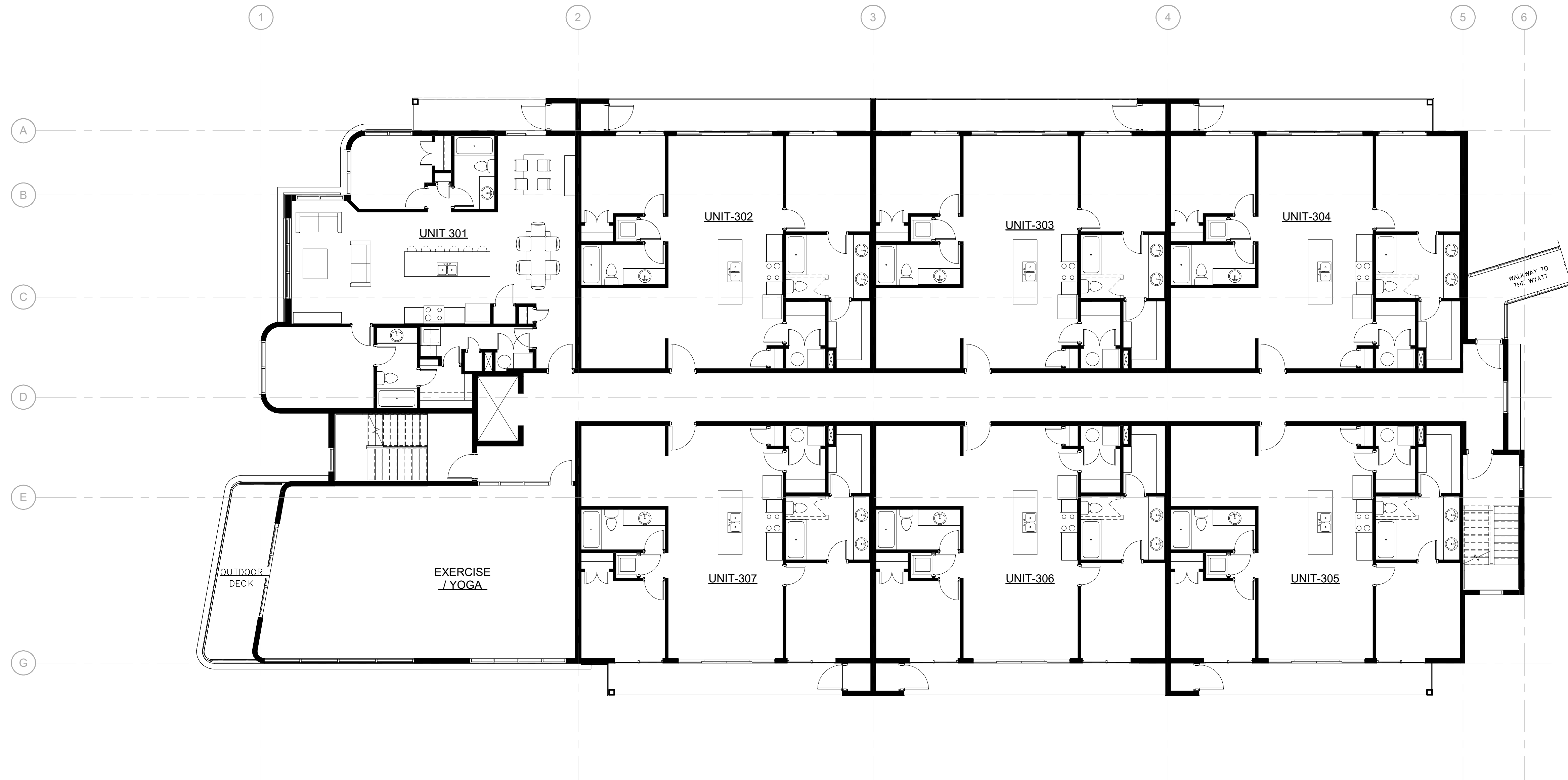
NOAH SOUTH ELEVATION
SCALE: 1" = 10'-0"



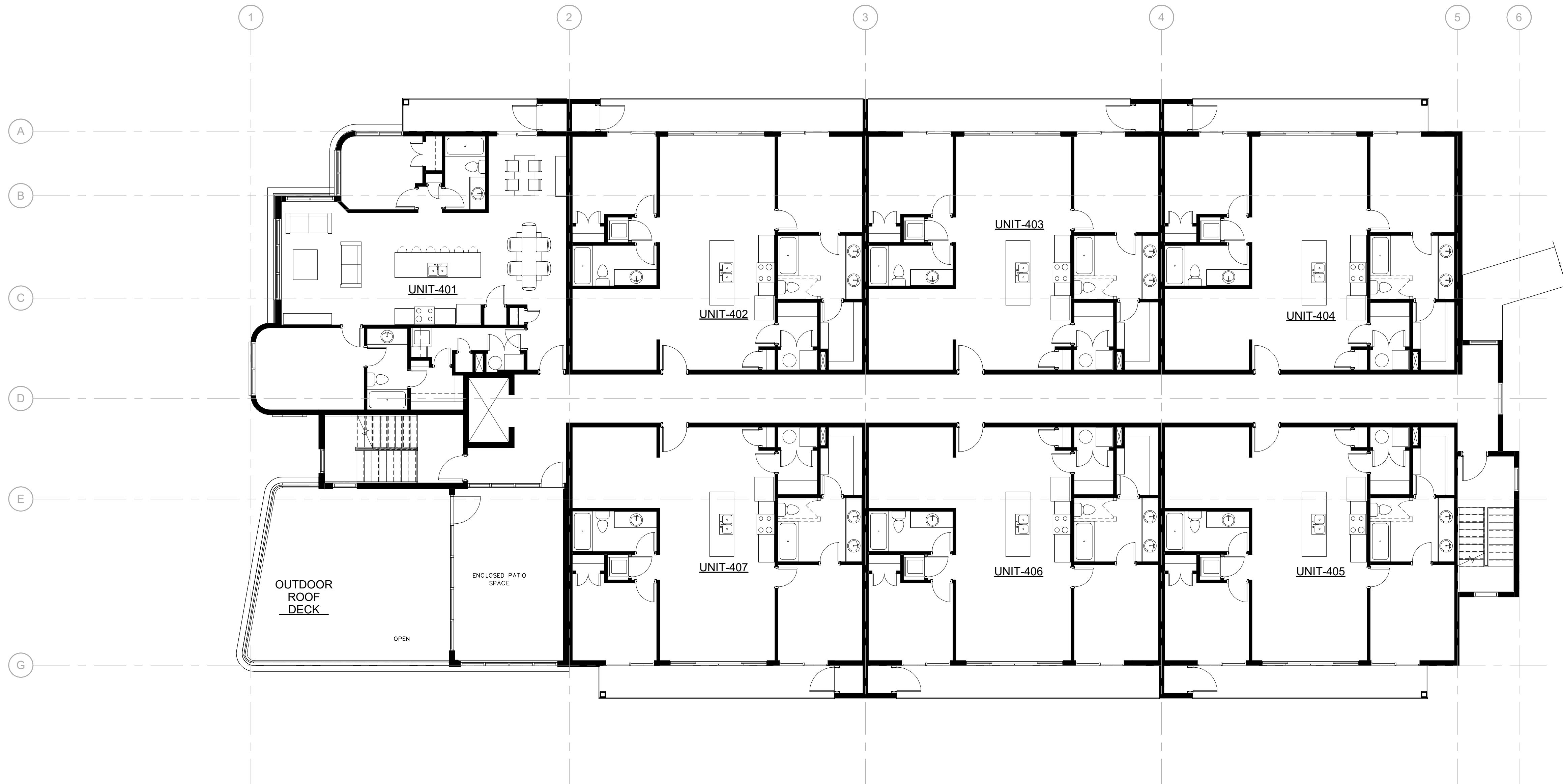
LEVEL - 1 FLOOR PLAN
SCALE: 1/8" = 1'-0"



LEVEL-2 PLAN
SCALE: 1/8" = 1'-0"

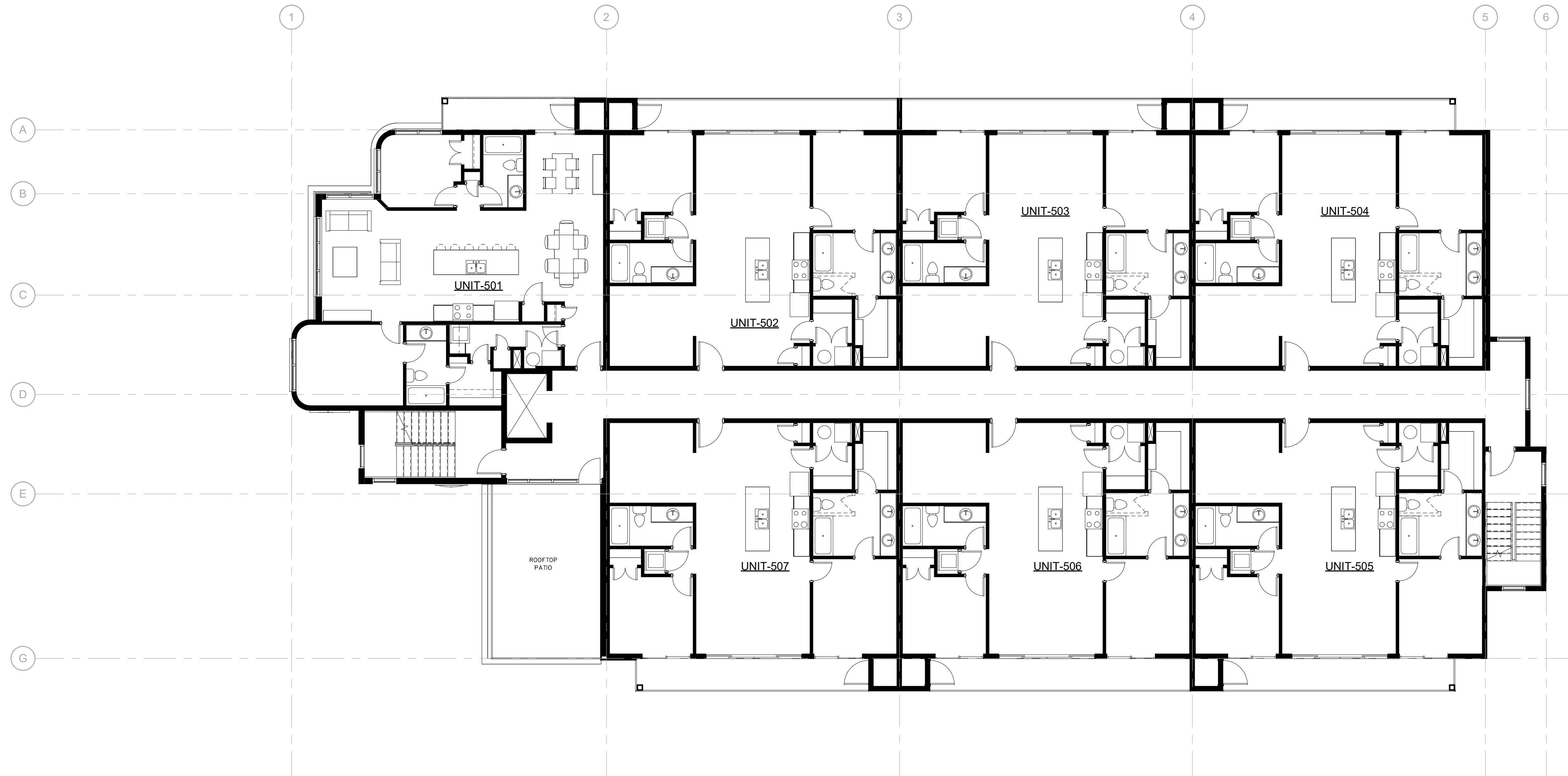


LEVEL-3 FLOOR PLAN
 SCALE: 1/8" = 1'-0"

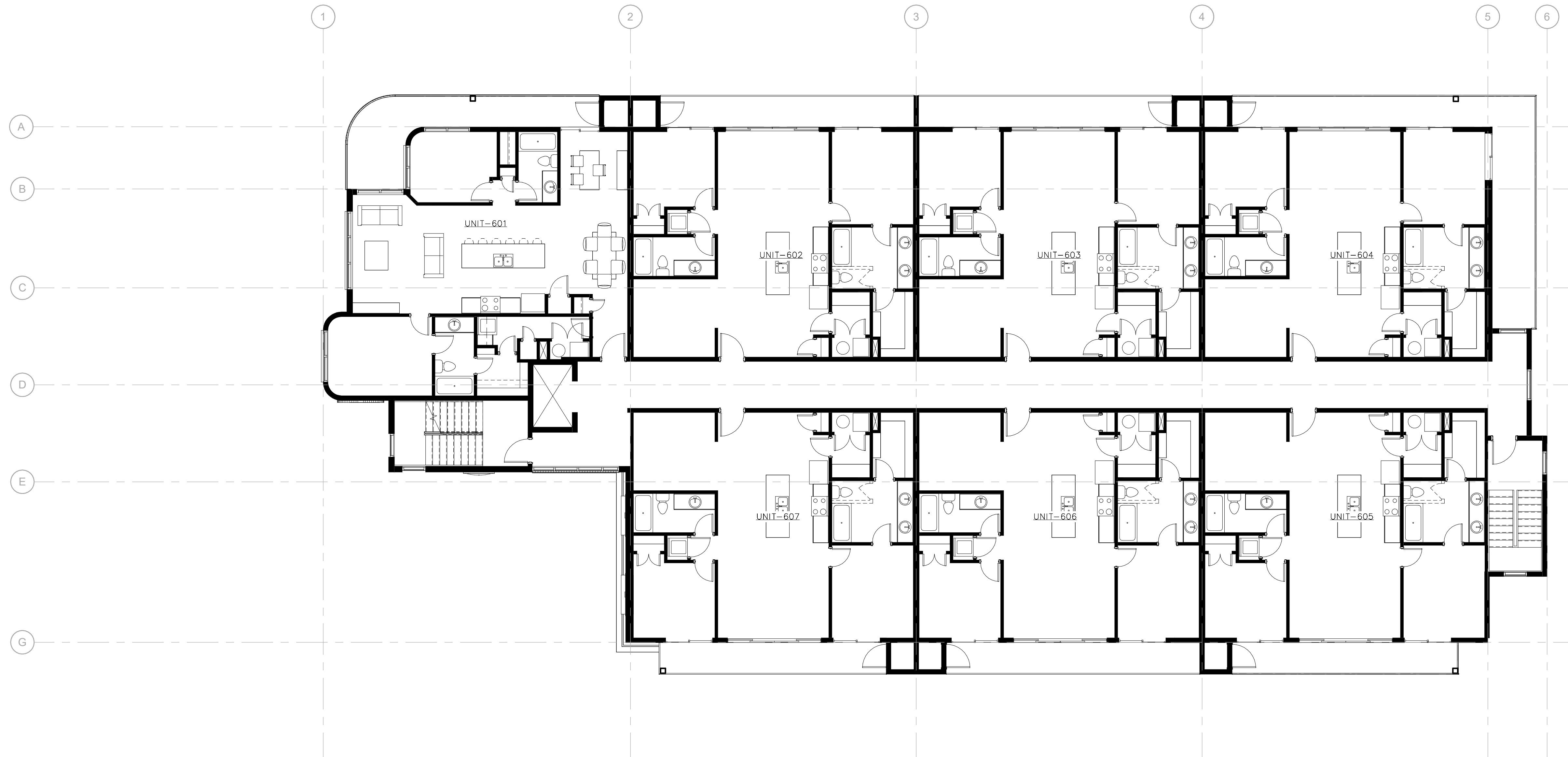


LEVEL -4 FLOOR PLAN

SCALE: 1/8" = 1'-0"

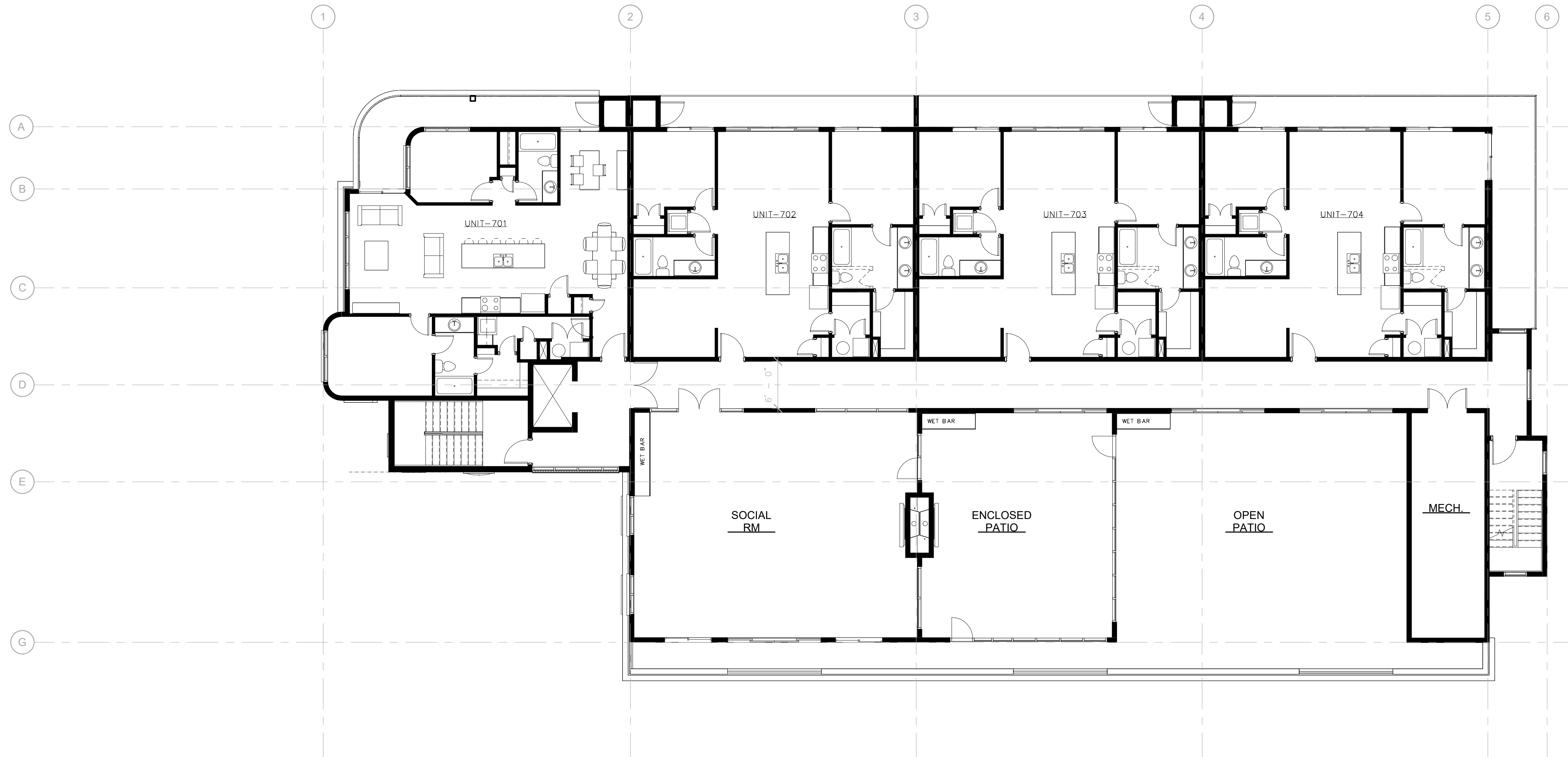


LEVEL -5 FLOOR PLAN
SCALE: 1/8" = 1'-0"



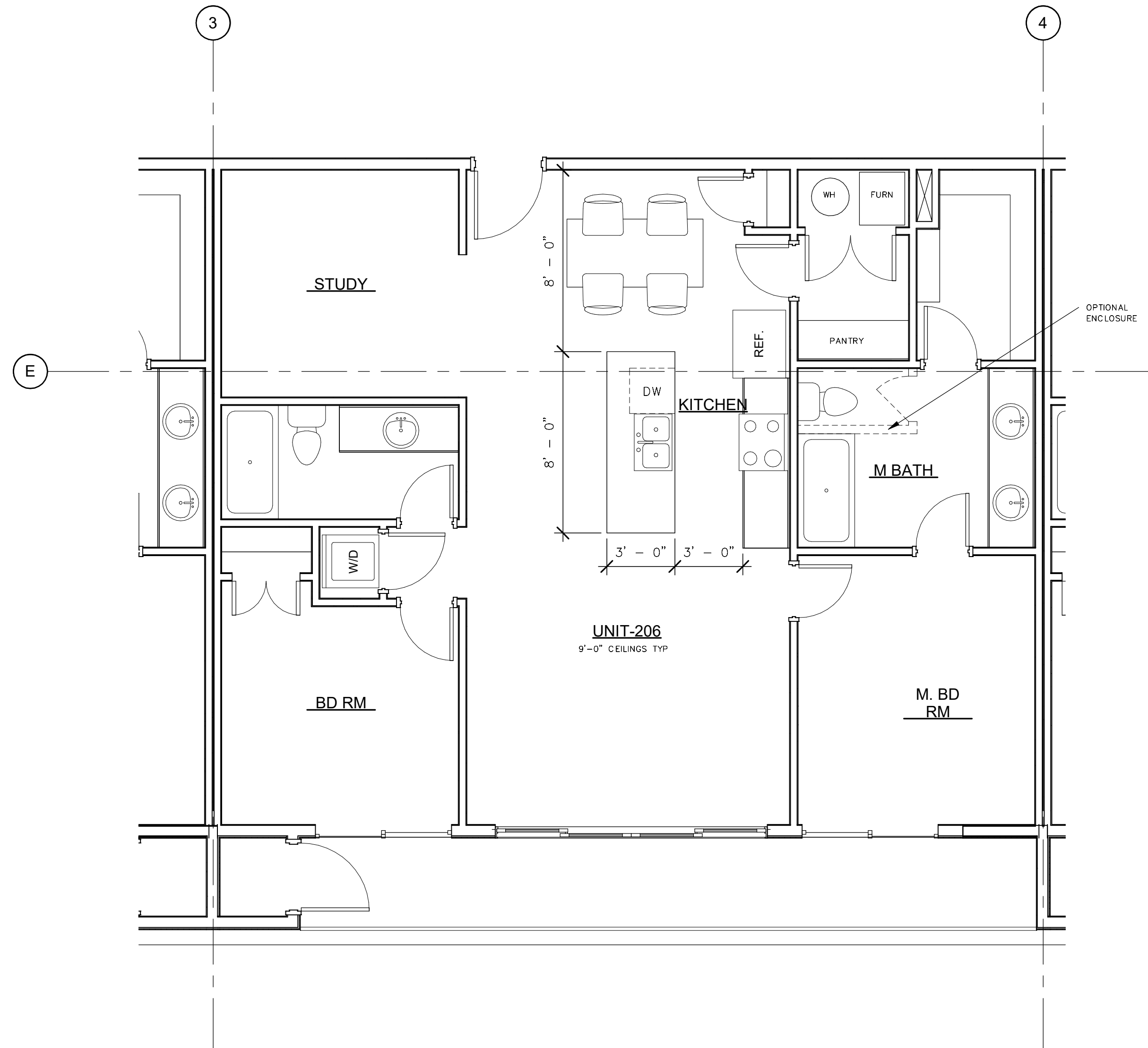
LEVEL-6

SCALE: 1/8" = 1'-0"

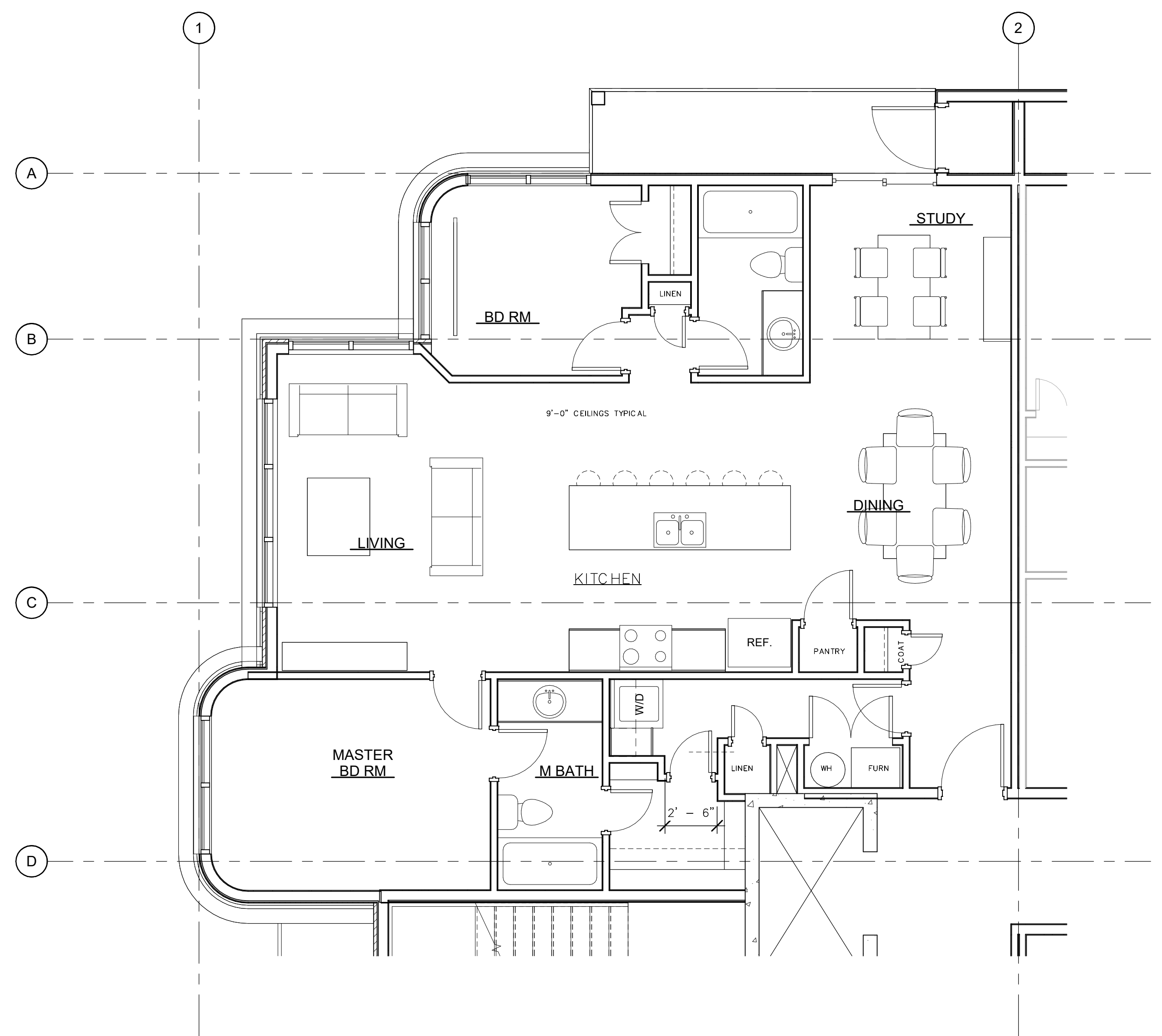


LEVEL-7 FLOOR PLAN

SCALE: 1/8" = 1'-0"



UNIT TYPE-1
SCALE: 1/4" = 1'-0"



UNIT TYPE-2
SCALE: 1/4" = 1'-0"

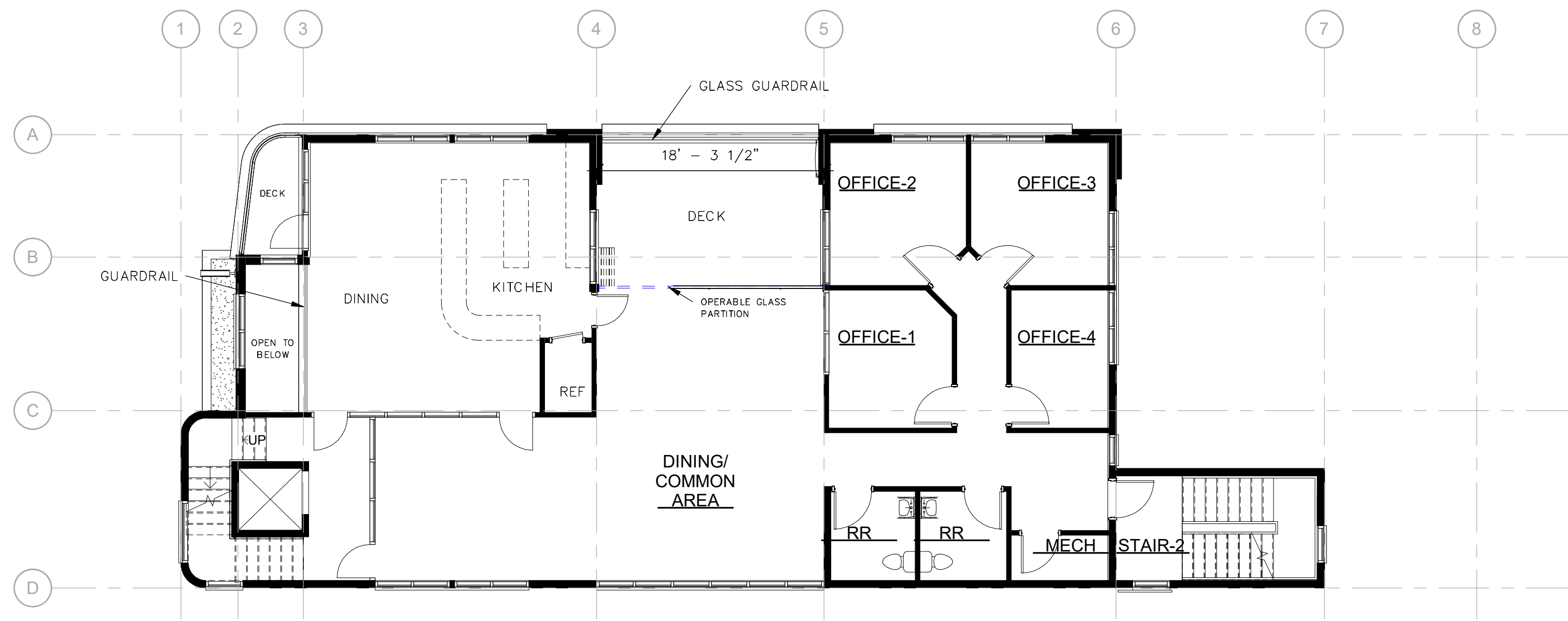




THE NOAH COMMERCIAL BUILDING

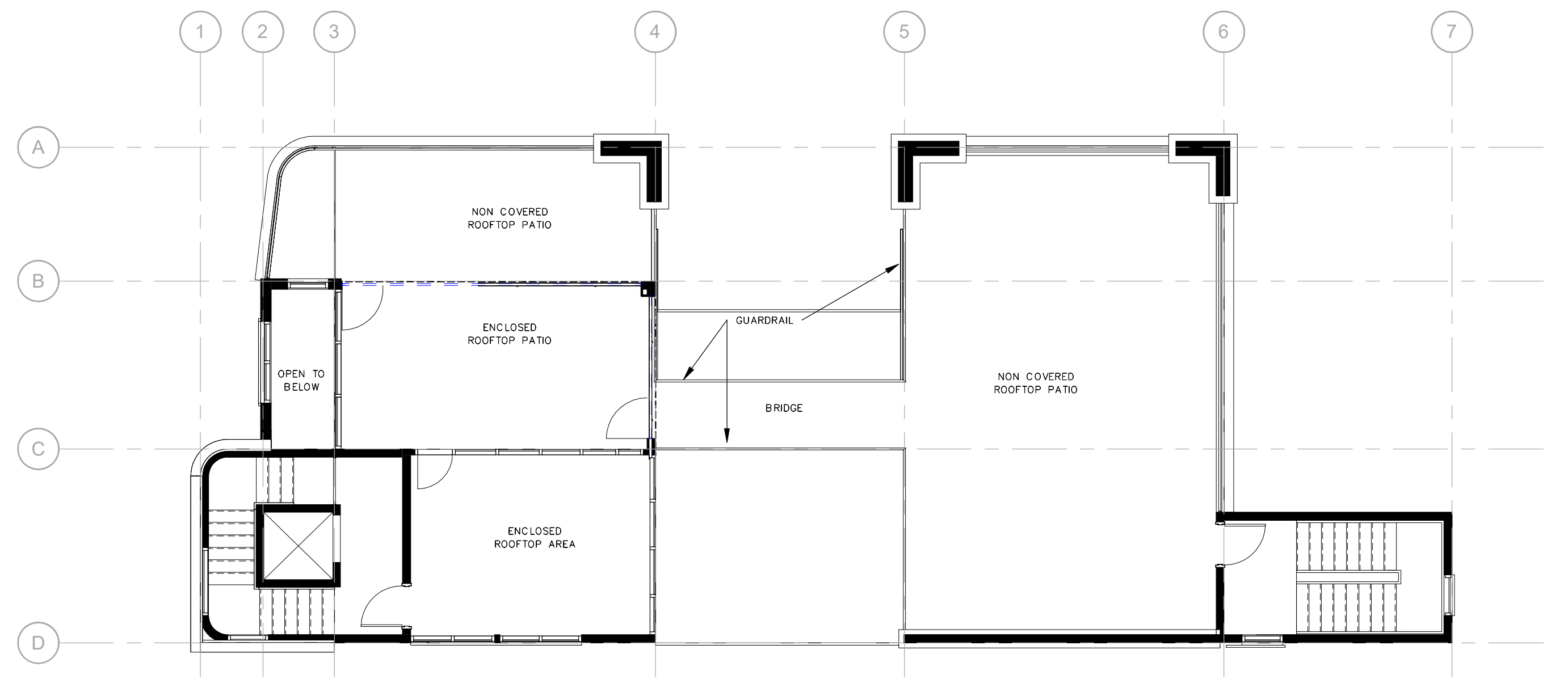


THE NOAH COMMERCIAL BUILDING



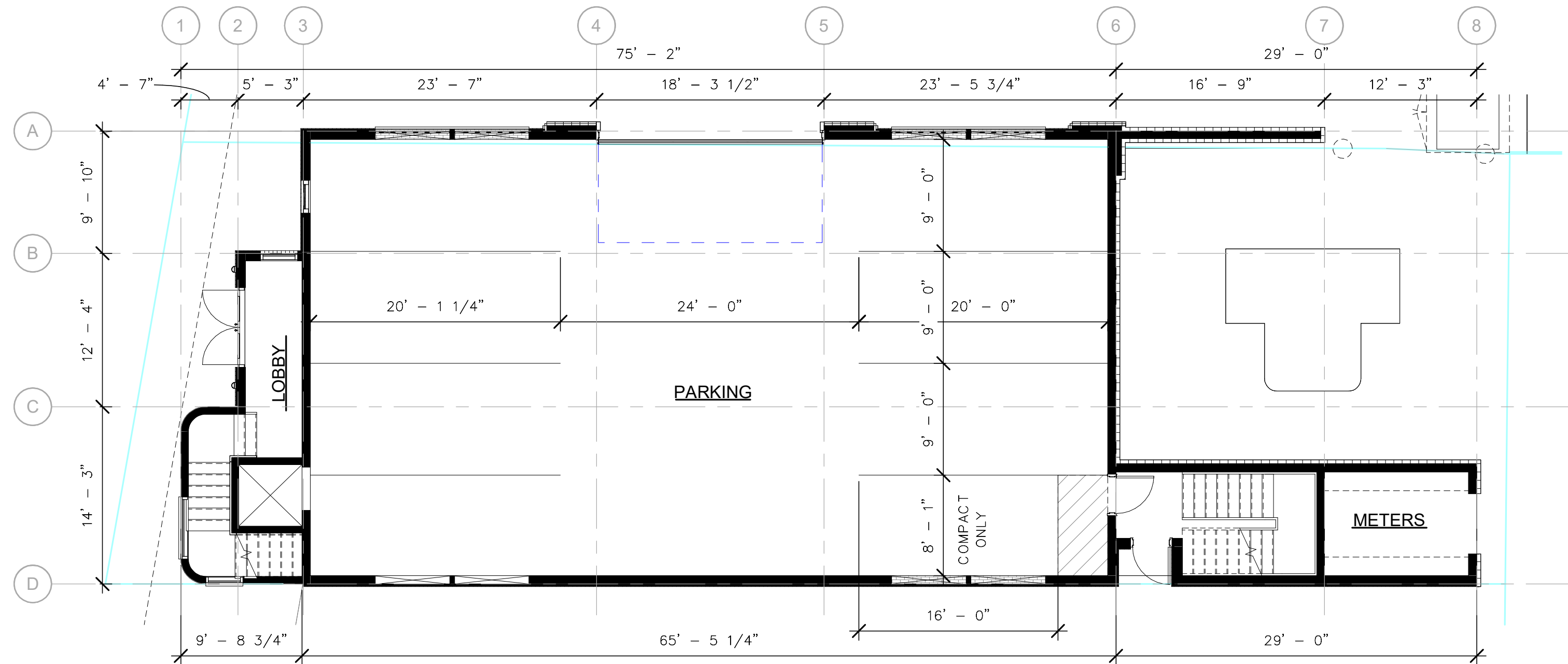
COMMERCIAL CENTER LEVEL-2

SCALE: 1/8" = 1'-0"



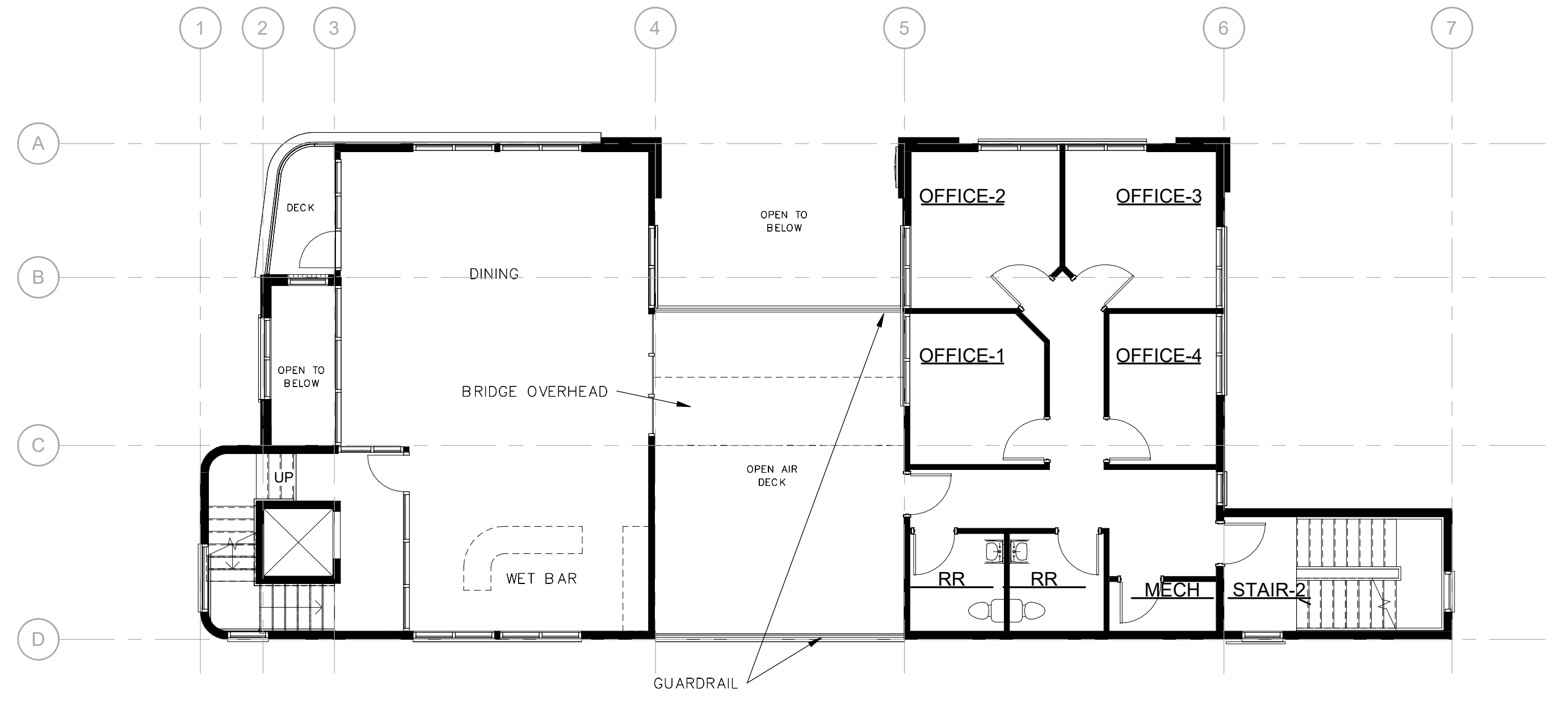
COMMERCIAL CENTER LEVEL-4 ROOFTOP

SCALE: 1/8" = 1'-0"



COMMERCIAL CENTER LEVEL-1

SCALE: 1/8" = 1'-0"



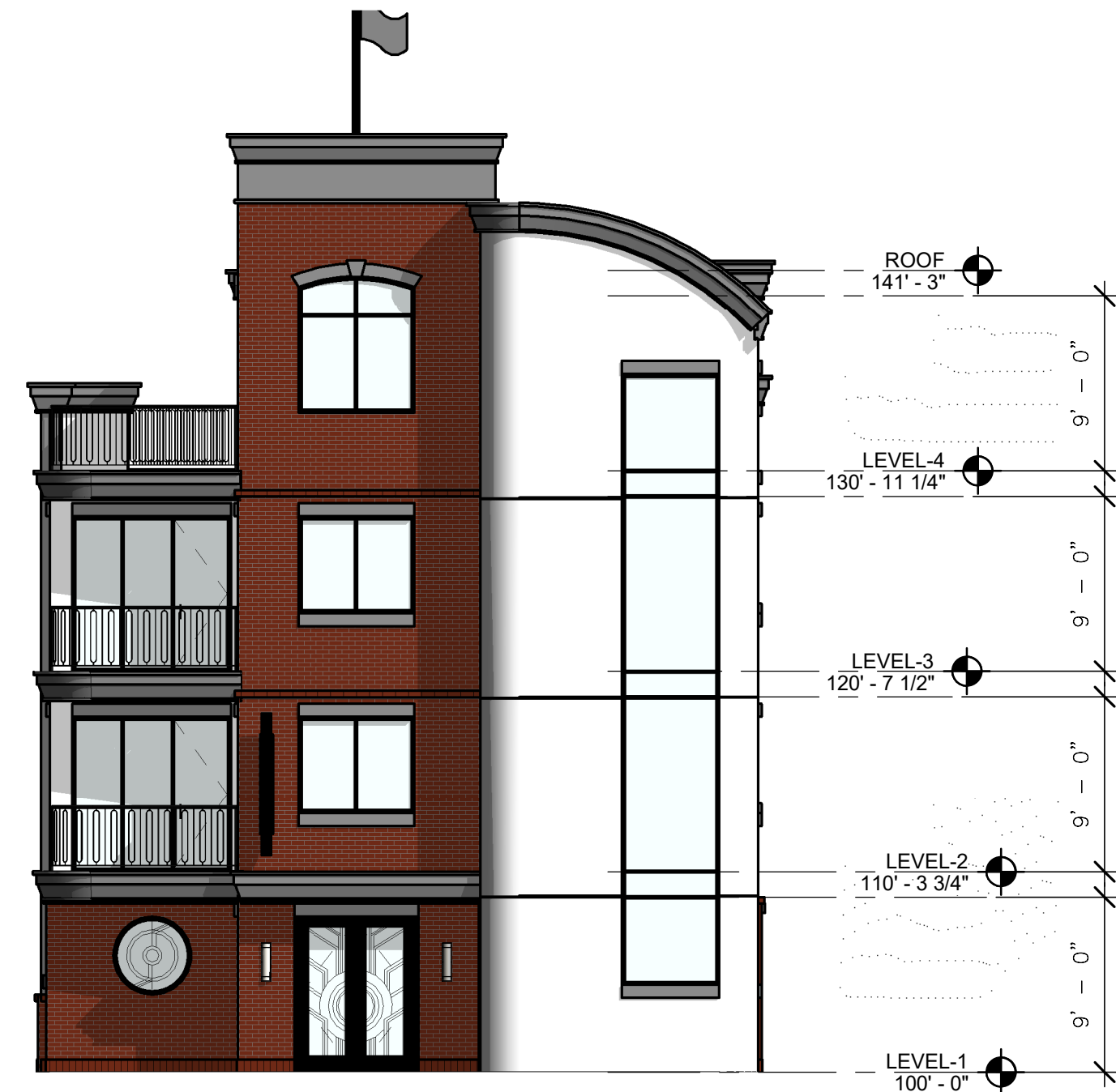
COMMERCIAL CENTER LEVEL-3

SCALE: 1/8" = 1'-0"



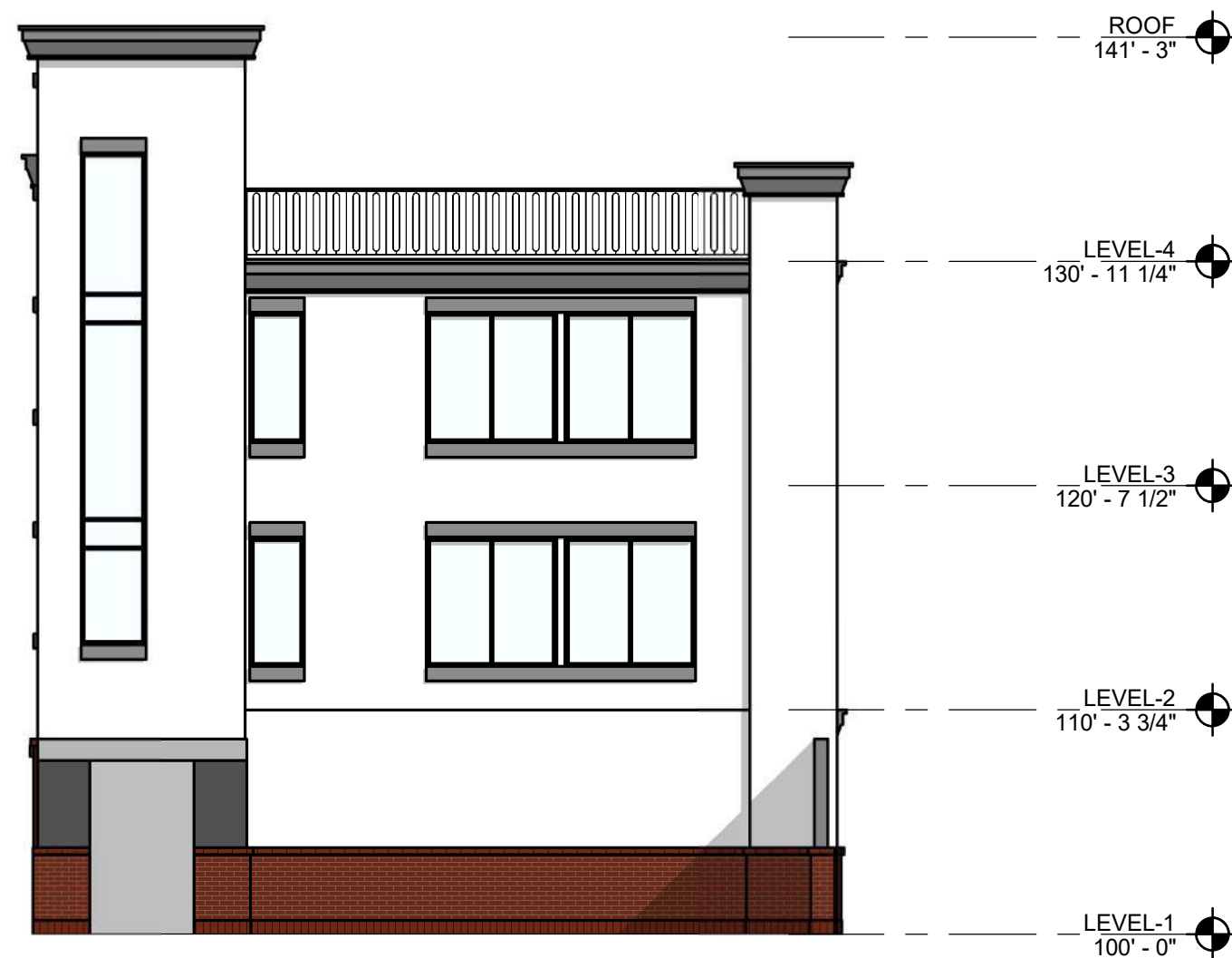
WEST ELEVATION

SCALE: 1/8" = 1'-0"



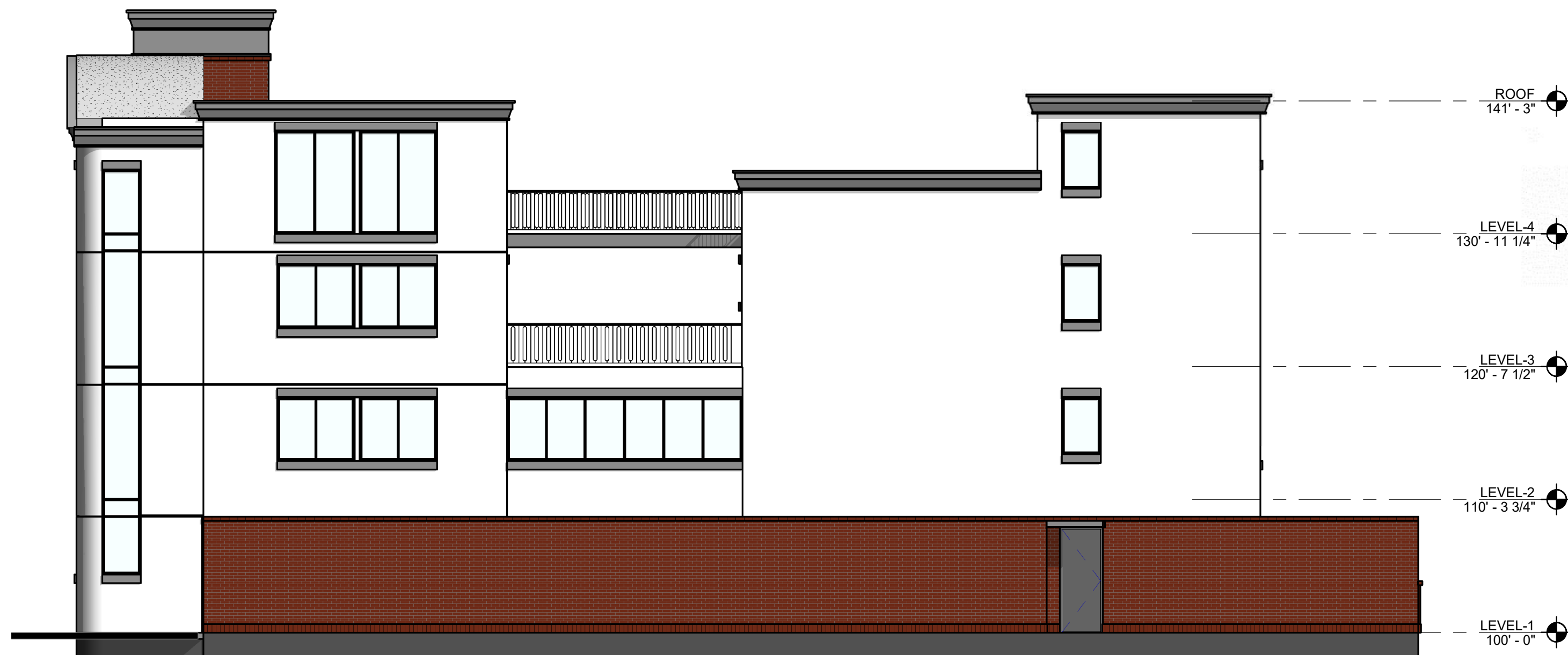
SOUTH ELEVATION

SCALE: 1/8" = 1'-0"



NORTH ELEVATION

SCALE: 1/8" = 1'-0"



EAST ELEVATION

SCALE: 1/8" = 1'-0"

3,376 sf SURFACE AREA
15% = 506 SF ALLOWANCE
14.6% 480 SF OPENINGS SHOWN IN EAST WALL



STREET VIEW

SCALE:

ALW ALW ARCHITECTS AND DESIGNERS

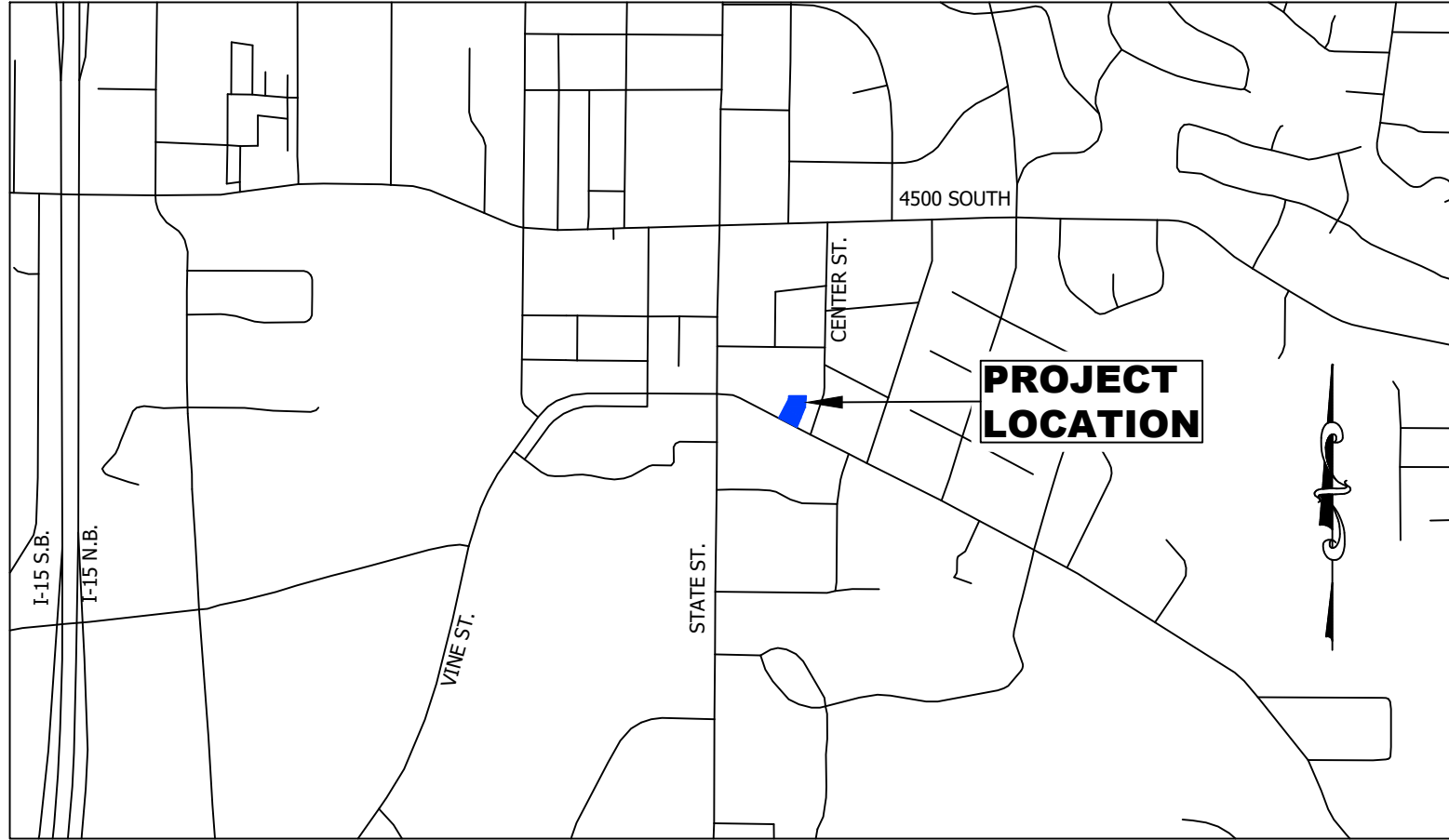
380 N. 200 W. - SUITE 107
BOUNTIFUL, UTAH 84010
(801) 292-6263

A2.0

THE NOAH

149 EAST VINE STREET
LOCATED IN THE SE 1/4 OF SECTION 7, T.2S., R.1E., S.L.B.&M.
MURRAY CITY, SALT LAKE COUNTY, UTAH

VICINITY MAP



SCALE: 1"=1000'

Sheet List Table

Sheet Number	Sheet Title
C100	COVER
C101	NOTES & LEGEND
V200	TOPOGRAPHIC SURVEY
C300	DEMOLITION PLAN
C400	SITE PLAN
C500	GRADING PLAN
C600	UTILITY PLAN
C800	CONNECTIVITY PLAN
C900	SITE DETAILS
C910	UTILITY DETAILS
C921	STORMTECH DETAILS
EC100	EROSION CONTROL

GENERAL NOTES

- 1) ALL WORK WITHIN A PUBLIC RIGHT-OF-WAY SHALL CONFORM TO THE RIGHT-OF-WAY OWNER'S STANDARDS & SPECIFICATIONS.
- 2) ALL UTILITY WORK SHALL CONFORM TO THE UTILITY OWNER'S STANDARDS & SPECIFICATIONS.
- 3) THESE PLANS DO NOT INCLUDE DESIGN OF DRY UTILITIES. THESE PLANS MAY CALL FOR RELOCATION, AND/OR REMOVAL AND/OR CONSTRUCTION OF DRY UTILITIES, BUT ARE NOT OFFICIAL DRAWINGS FOR SUCH. DESIGN AND COORDINATION OF DRY UTILITIES IS BY OTHERS.
- 4) THE CONTRACTOR SHALL COORDINATE AND OBTAIN ANY PERMITS REQUIRED FOR THE WORK SHOWN HEREON.
- 5) THE LOCATION AND ELEVATIONS OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS IS A BEST ESTIMATE BASED ON UTILITY COMPANY RECORDS, BLUESTAKES, AND FIELD MEASUREMENTS OF READILY OBSERVABLE ABOVE-GROUND FEATURES. AS SUCH, THIS INFORMATION MAY NOT BE COMPLETE, UP-TO-DATE, OR ACCURATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO STOP WORK AND NOTIFY THE ENGINEER IF CONFLICTING INFORMATION IS FOUND IN THE FIELD.
- 6) THE CONTRACTOR IS TO FIELD VERIFY THE LOCATION AND ELEVATIONS OF EXISTING MANHOLES AND OTHER UTILITIES PRIOR TO STAKING AND CONSTRUCTION.
- 7) CALL BLUESTAKES AT LEAST 48 HOURS PRIOR TO DIGGING. DO NOT PROCEED UNTIL BLUESTAKES ARE MARKED.
- 8) IT SHALL BE THE CONTRACTOR'S AND SUBCONTRACTOR'S RESPONSIBILITY TO MEET ALL APPLICABLE HEALTH AND SAFETY REGULATIONS, AND THEY SHALL ASSUME SOLE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING CONSTRUCTION OF THIS PROJECT, SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK, AND THE PUBLIC IS PROTECTED.

1470 South 600 West
Woods Cross, UT 84010
Phone 801.298.2236
www.Entellus.com

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DEVELOPER

NEW DEVELOPMENT CONSULTING
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jonathan@newdevelopmentconsulting.com

THE NOAH

149 EAST VINE STREET
LOCATED IN THE SE 1/4 OF SECTION 7, T.2S., R.1E., S.L.B.&M.
MURRAY CITY, SALT LAKE COUNTY, UTAH

REVISIONS

1	INITIAL SUBMITTAL	9/27/2022

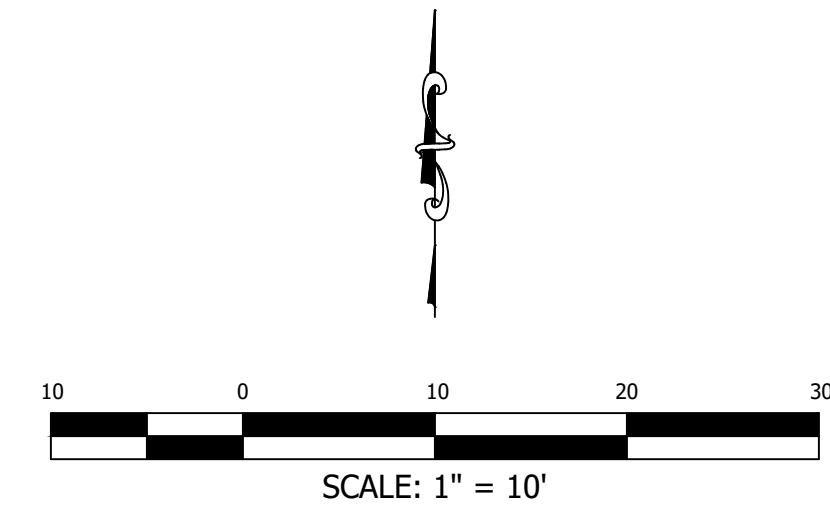
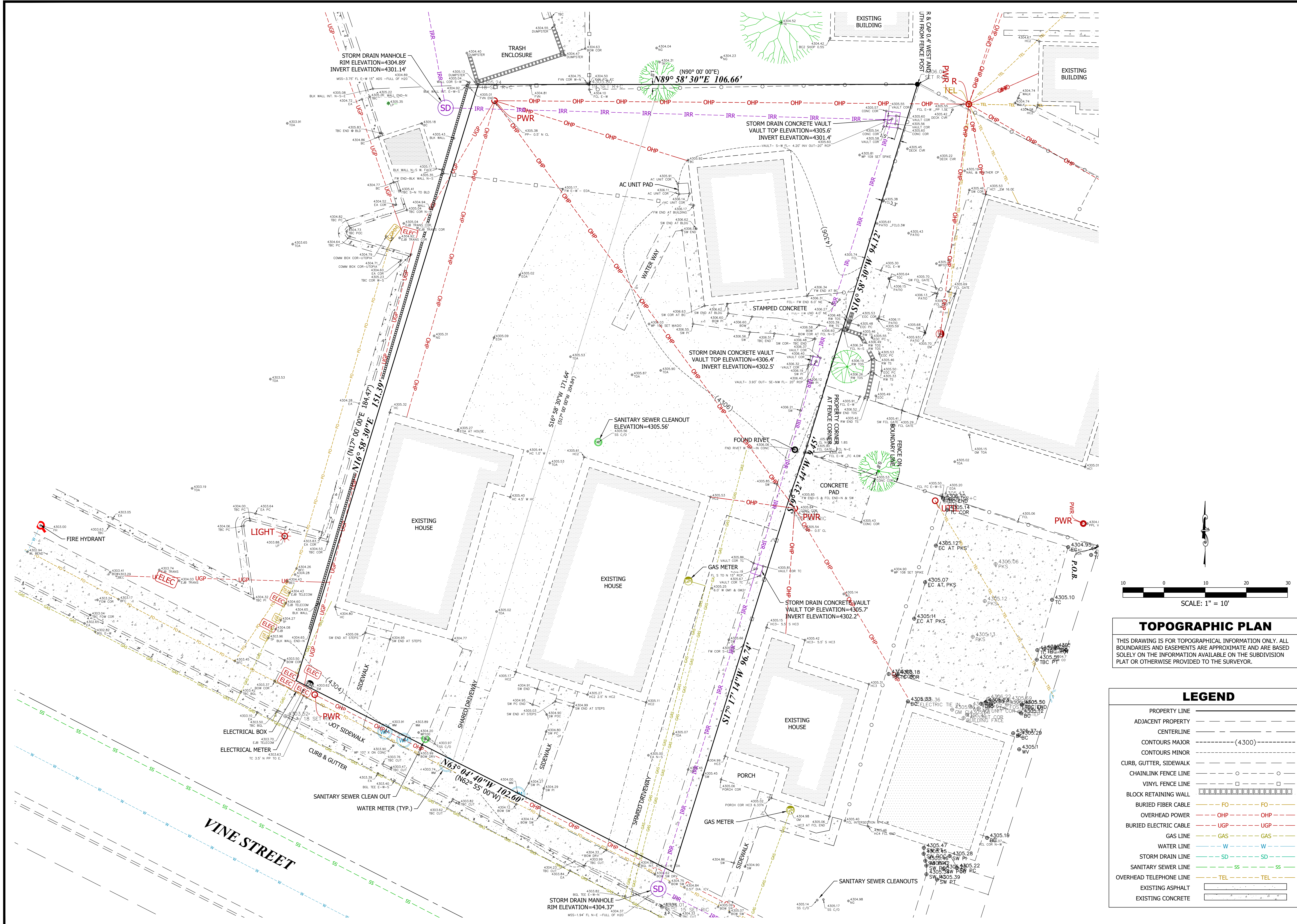
DRAWN: JBC 2023-02-20
APPROVED: CC 2023-02-20
PROJECT #: 2065002
2065002 PLANSET.dwg

C100
COVER

Know what's below.
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BENCHMARK POINT DESCRIPTION
ELEVATION POINT ELEVATION



TOPOGRAPHIC PLAN

THIS DRAWING IS FOR TOPOGRAPHICAL INFORMATION ONLY. ALL BOUNDARIES AND EASEMENTS ARE APPROXIMATE AND ARE BASED SOLELY ON THE INFORMATION AVAILABLE ON THE SUBDIVISION PLAT OR OTHERWISE PROVIDED TO THE SURVEYOR.

LEGEND	
PROPERTY LINE	---
ADJACENT PROPERTY	---
CENTERLINE	---
CONTOURS MAJOR	---(4300)---
CONTOURS MINOR	---
CURB, GUTTER, SIDEWALK	---
CHAINLINK FENCE LINE	---
VINYL FENCE LINE	---
BLOCK RETAINING WALL	---
BURIED FIBER CABLE	---
OVERHEAD POWER	---
BURIED ELECTRIC CABLE	---
GAS LINE	---
WATER LINE	---
STORM DRAIN LINE	---
SANITARY SEWER LINE	---
OVERHEAD TELEPHONE LINE	---
EXISTING ASPHALT	---
EXISTING CONCRETE	---

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JONATHAN OLIVER

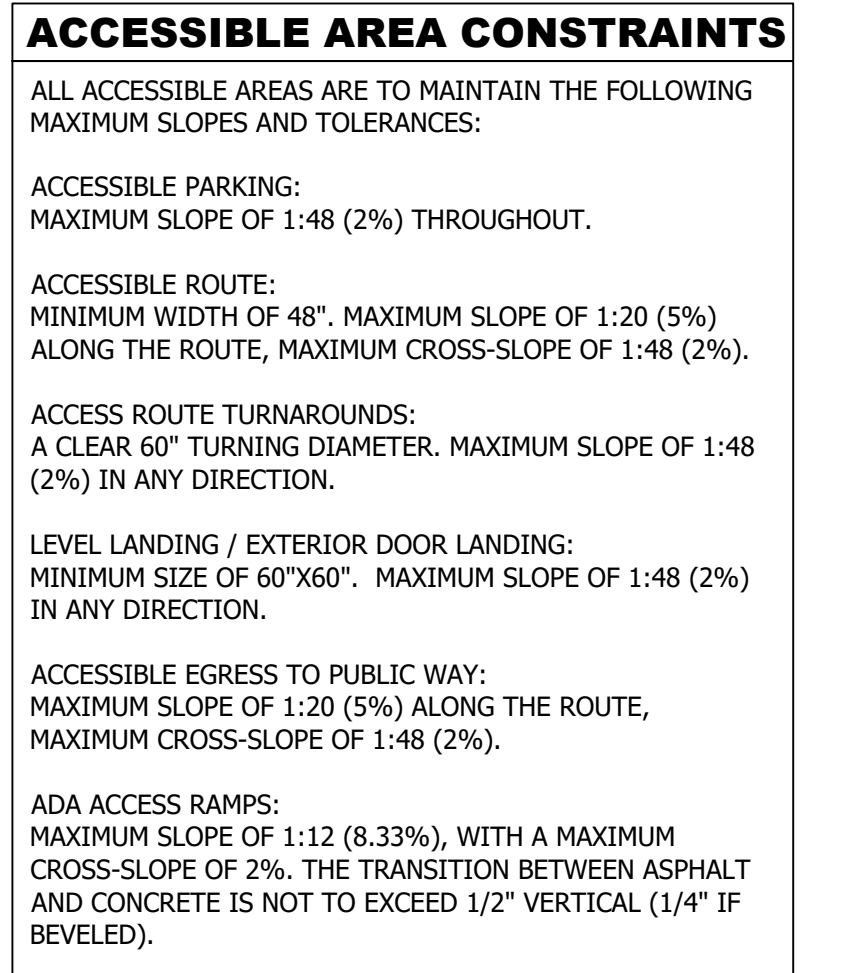
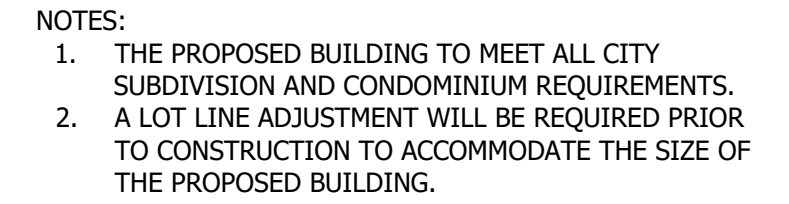
113, 149, & 185 EAST VINE STREET
PARCEL 422-07-111-013, 22-07-111-014 & 22-07-111-016
LOCATED IN LOT 1 OF SECTION 7, T. 2 S., R. 1 E., S.L.R.&M.
MURRAY CITY, SALT LAKE COUNTY, UTAH

DRAWN:	05/16/2022
SMB	
APPROVED:	06/06/2022
JRC	
PROJECT #:	2065002
SURVEY 2065001.dwg	

V200

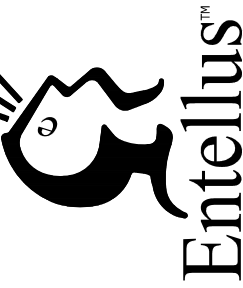
TOPOGRAPHIC SURVEY

(L1) (S17° 00' 00"W)



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jonathan@newdevelopmentconsulting.com

149 EAST VINE STREET
LOCATED IN THE SE 1/4 OF SECTION 7, T.2
MURRAY CITY, SALT LAKE COUNTY

--	--	--	--	--	--	--

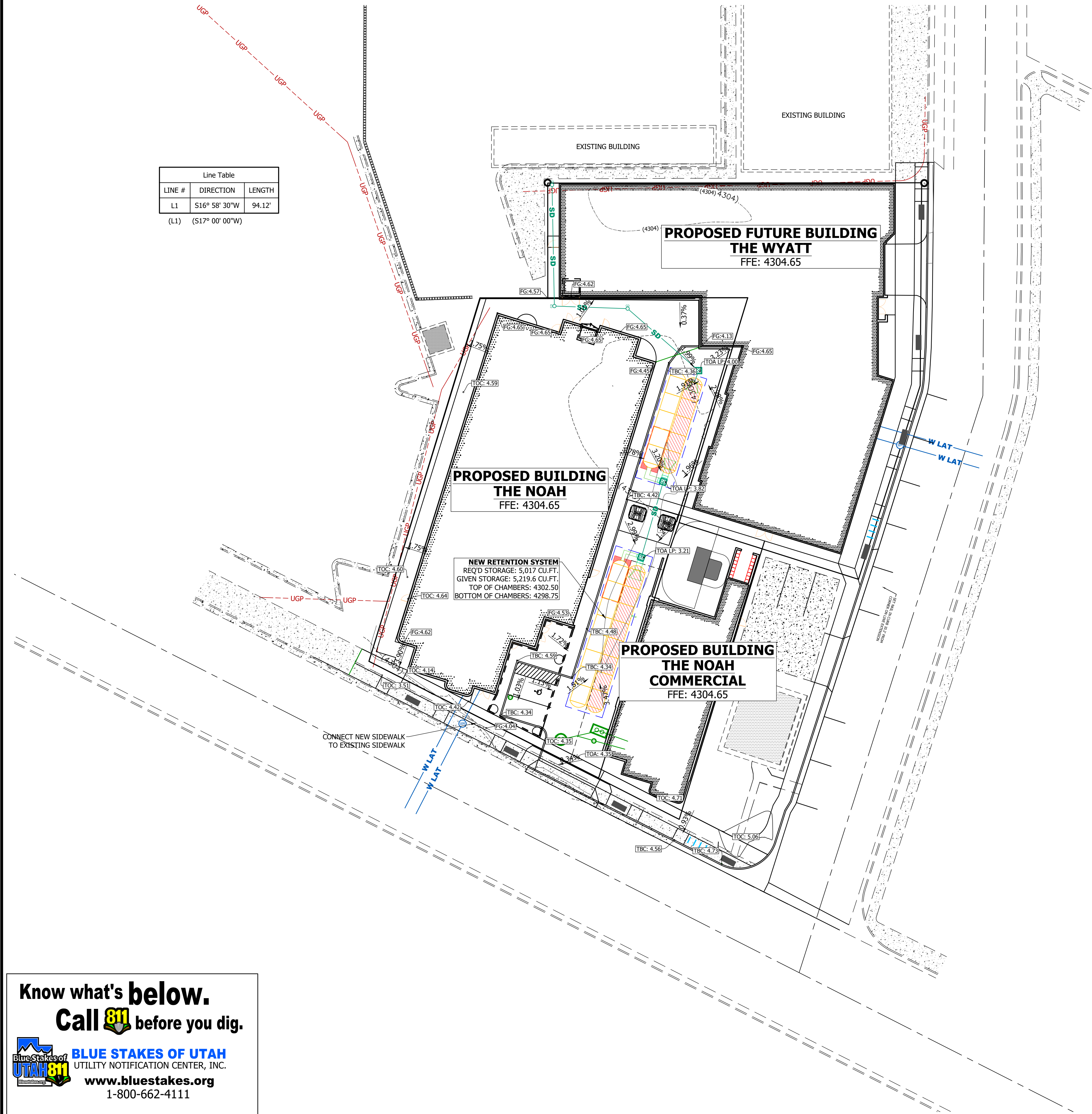
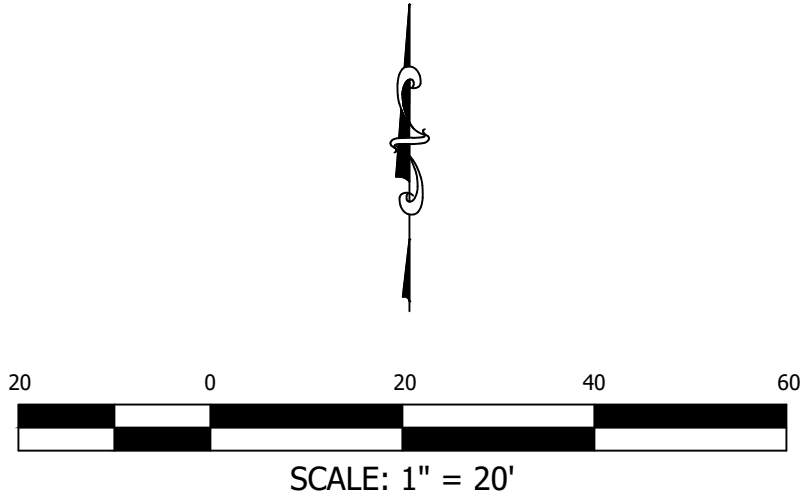
JBC 2023-02-2
 VED: CC 2023-02-2
 CT #: 206500
 5002 PLANSET.dwg

C400

SITE PLAN

Line Table		
LINE #	DIRECTION	LENGTH
L1	S16° 58' 30"W	94.12'

(L1) (S17° 00' 00"W)



ACCESSIBLE AREA CONSTRAINTS

ALL ACCESSIBLE AREAS ARE TO MAINTAIN THE FOLLOWING MAXIMUM SLOPES AND TOLERANCES:

ACCESSIBLE PARKING:
MAXIMUM SLOPE OF 1:48 (2%) THROUGHOUT.

ACCESSIBLE ROUTE:
MINIMUM WIDTH OF 48". MAXIMUM SLOPE OF 1:20 (5%)
ALONG THE ROUTE, MAXIMUM CROSS-SLOPE OF 1:48 (2%).

ACCESS ROUTE TURNAROUNDS:
A CLEAR 60" TURNING DIAMETER. MAXIMUM SLOPE OF 1:48 (2%)
IN ANY DIRECTION.

LEVEL LANDING / EXTERIOR DOOR LANDING:
MINIMUM SIZE OF 60"x60". MAXIMUM SLOPE OF 1:48 (2%)
IN ANY DIRECTION.

ACCESSIBLE EGRESS TO PUBLIC WAY:
MAXIMUM SLOPE OF 1:20 (5%) ALONG THE ROUTE,
MAXIMUM CROSS-SLOPE OF 1:48 (2%).

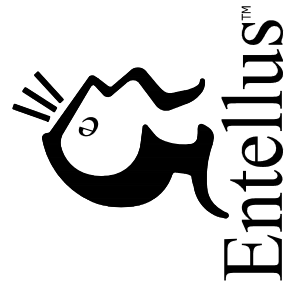
ADA ACCESS RAMPS:
MAXIMUM SLOPE OF 1:12 (8.33%), WITH A MAXIMUM
CROSS-SLOPE OF 2%. THE TRANSITION BETWEEN ASPHALT
AND CONCRETE IS NOT TO EXCEED 1/2" VERTICAL (1/4" IF
BEVELED).

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THE NOAH

149 EAST VINE STREET
MURRAY CITY, SALT LAKE COUNTY, UTAH

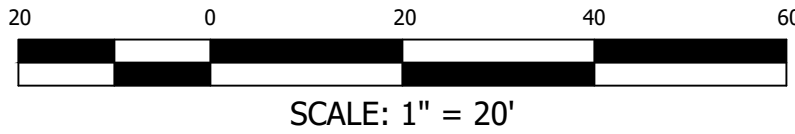
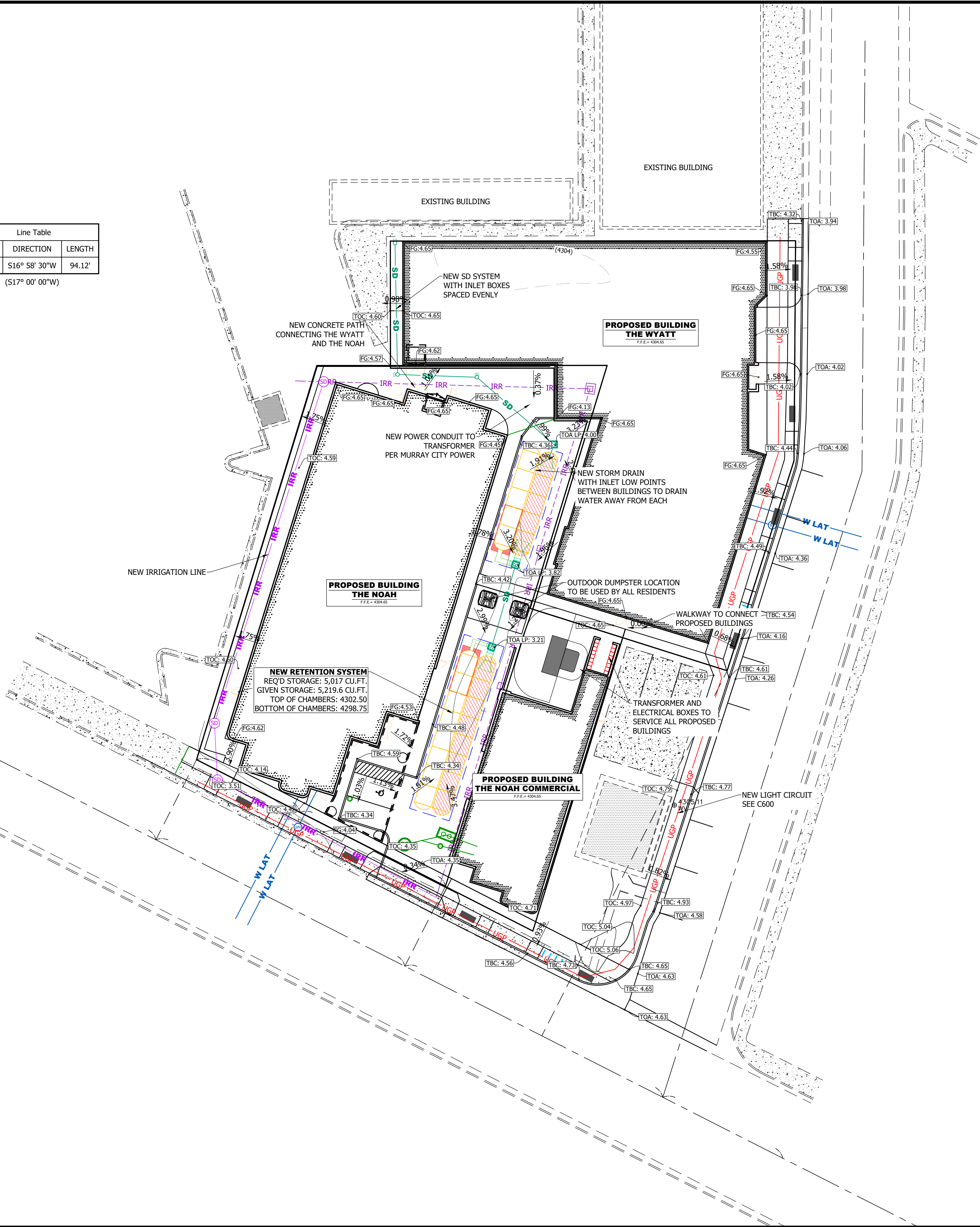
REVISIONS

INITIAL	SUBMITTAL	DATE
1		9/27/2022

DRAWN: JBC 2023-02-20
APPROVED: CC 2023-02-20
PROJECT #: 2065002
2065002 PLANSET.dwg

C500
GRADING PLAN

Line Table		
LINE #	DIRECTION	LENGTH
L1	S16° 58' 30"W	94.12'
(L1)	(S17° 00' 00"W)	



ACCESSIBLE AREA CONSTRAINTS

ALL ACCESSIBLE AREAS ARE TO MAINTAIN THE FOLLOWING MAXIMUM SLOPES AND TOLERANCES:

ACCESSIBLE PARKING:
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ACCESSIBLE ROUTE:
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ALONG THE ROUTE, MAXIMUM CROSS-SLOPE OF 1:48 (2%).

ACCESS ROUTE TURNAROUNDS:
A CLEAR 60" TURNING DIAMETER. MAXIMUM SLOPE OF 1:48 (2%) IN ANY DIRECTION.

LEVEL LANDING / EXTERIOR DOOR LANDING:
MINIMUM SIZE OF 60"x60". MAXIMUM SLOPE OF 1:48 (2%) IN ANY DIRECTION.

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MAXIMUM CROSS-SLOPE OF 1:48 (2%).

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MAXIMUM SLOPE OF 1:12 (8.33%), WITH A MAXIMUM CROSS-SLOPE OF 2%. THE TRANSITION BETWEEN ASPHALT AND CONCRETE IS NOT TO EXCEED 1/2" VERTICAL (1/4" IF BEVELED).

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jonathan@newdevelopmentconsulting.com

THE NOAH

149 EAST VINE STREET
LOCATED IN THE SE 1/4 OF SECTION 7, T.25., R.1E., S.1E.8M.
MURRAY CITY, SALT LAKE COUNTY, UTAH

REVISIONS

INITIAL	SUBMITTAL	DATE
1		9/27/2022

DRAWN: JBC 2023-02-20
APPROVED: CC 2023-02-20
PROJECT #: 2065002
PLANS: 2065001.dwg

C801
CONNECTIVITY PLAN

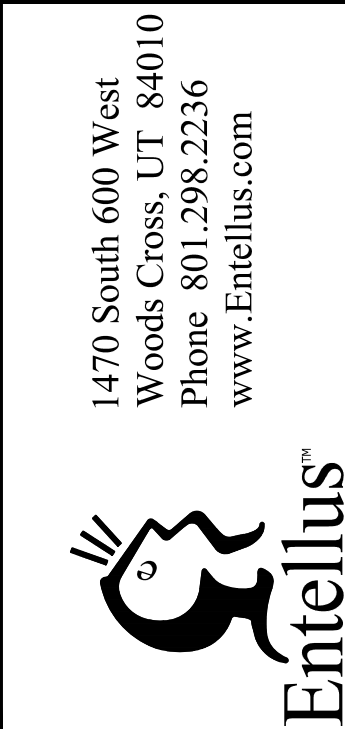
1. ROAD BASE IS TO BE COMPACTED PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. IF NO SUCH RECOMMENDATIONS PERTAIN, COMPACT TO 95% AASHTO T-180 METHOD D.
2. CONCRETE IS TO BE 4,000 PSI TEST.
3. CONTROL JOINTS AT 5' INTERVALS.
4. BITUMINOUS MATERIAL EXPANSION JOINTS ARE REQUIRED AT 50' INTERVALS.



1. ROAD BASE IS TO BE COMPACTED PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. IF NO SUCH RECOMMENDATIONS PERTAIN, COMPACT TO 95% AASHTO T-180 METHOD D.
2. PLACE MATERIAL PER APWA SECTION 32 05 10.



1. ROAD BASE IS TO BE COMPACTED PER THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. IF NO SUCH RECOMMENDATIONS PERTAIN, COMPACT TO 95% AASHTO T-180 METHOD D.
2. CONCRETE IS TO BE 4,000 PSI TEST.
3. CONTROL JOINTS AT 5' INTERVALS.
4. BITUMINOUS MATERIAL EXPANSION JOINTS ARE REQUIRED AT 50' INTERVALS.
5. STEEL REINFORCEMENT IS TO BE DEFORMED GRADE 60 STEEL, GALVANIZED OR EPOXY COATED .



DEVELOPER

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THE NOAH

149 EAST VINE STREET
LOCATED IN THE SE 1/4 OF SECTION 7, T.2S., R.1E., S.1B.&M.
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REVISIONS

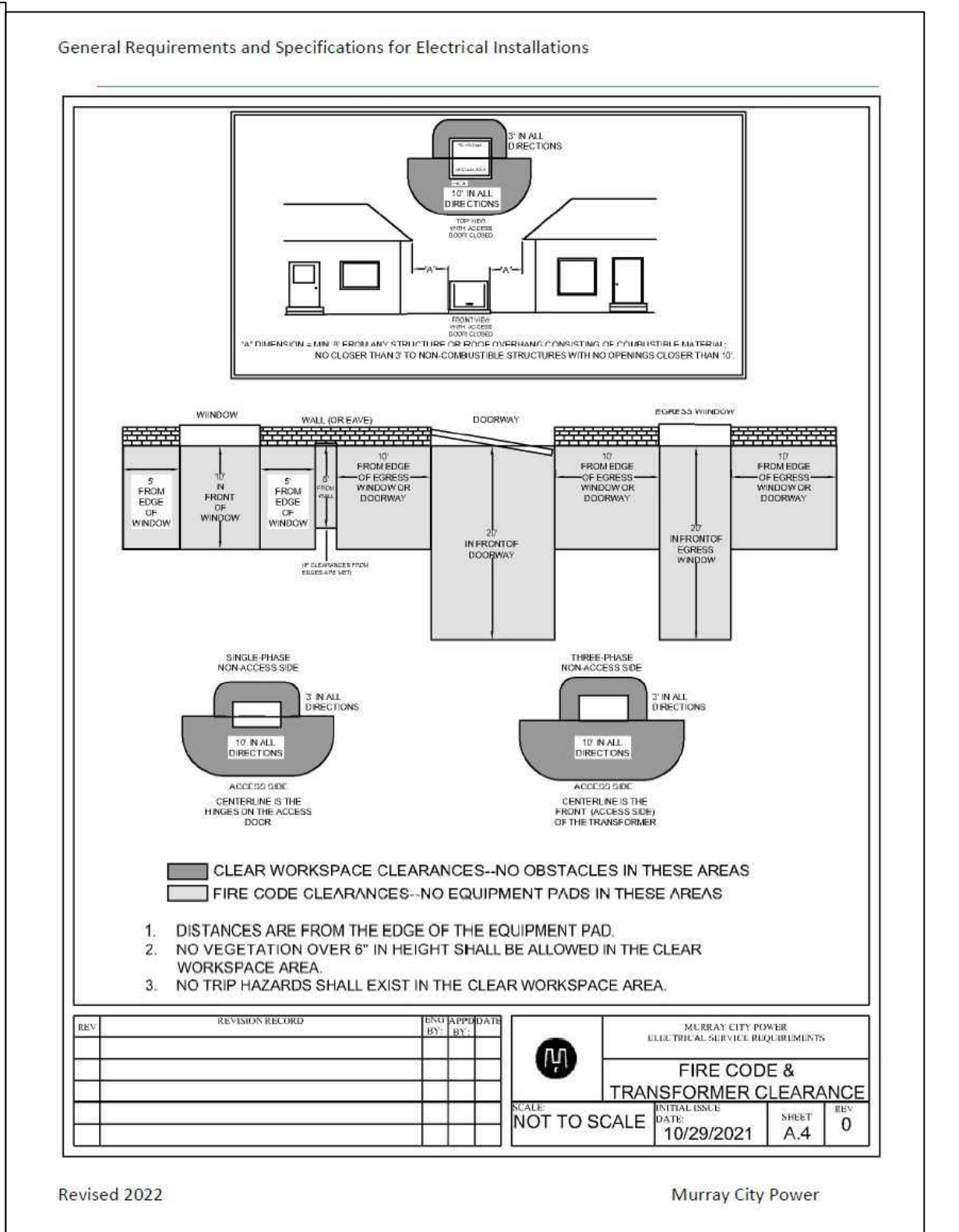
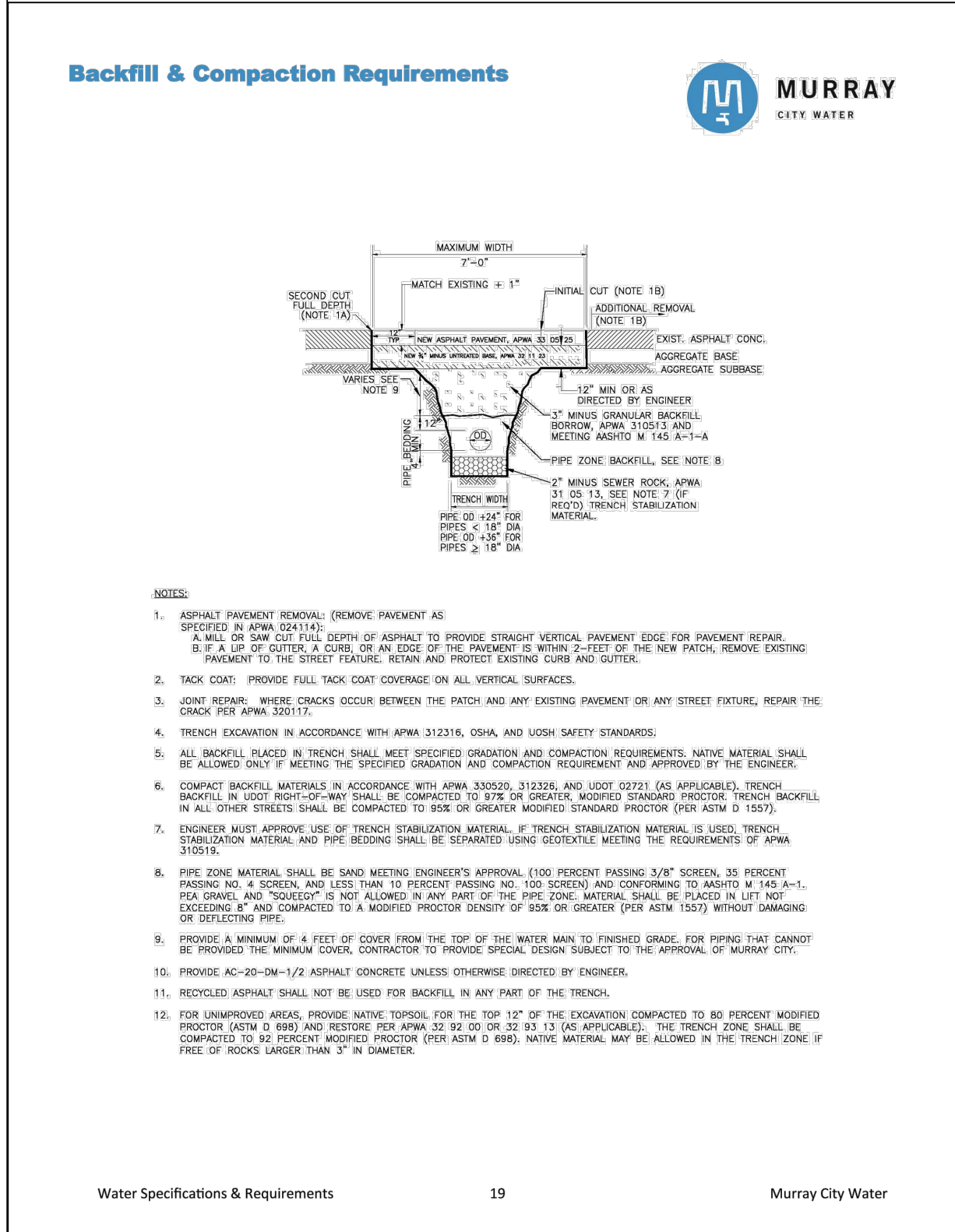
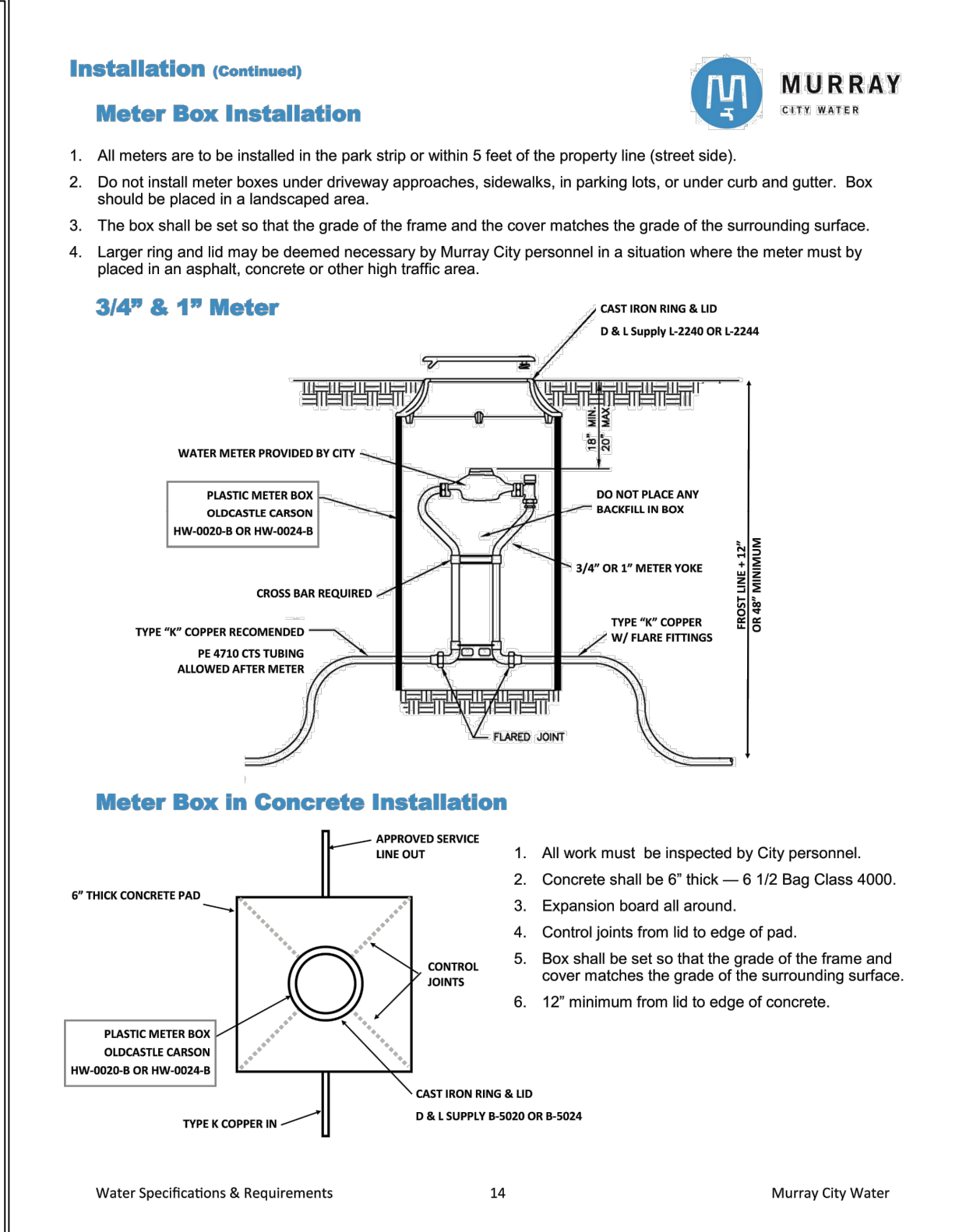
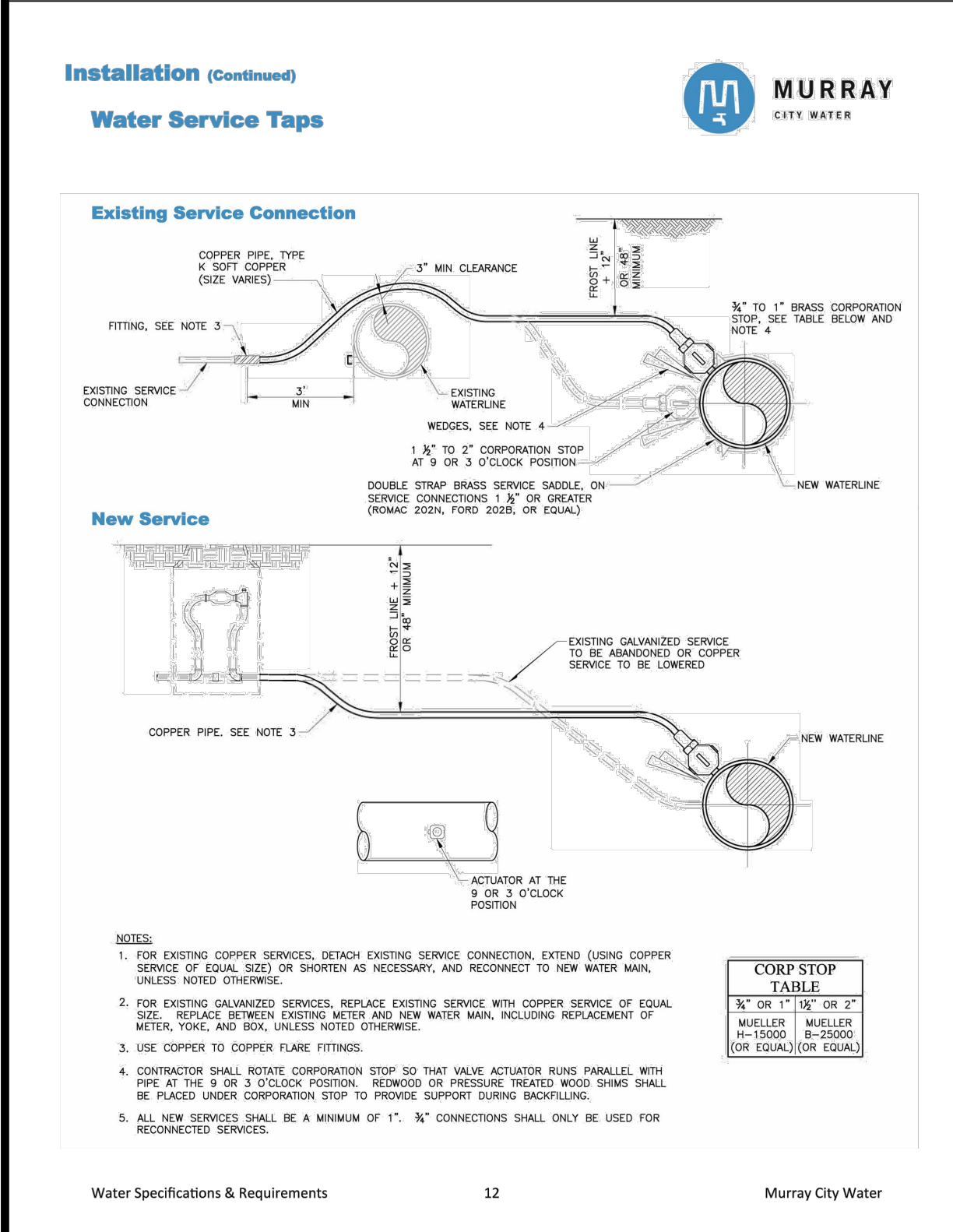
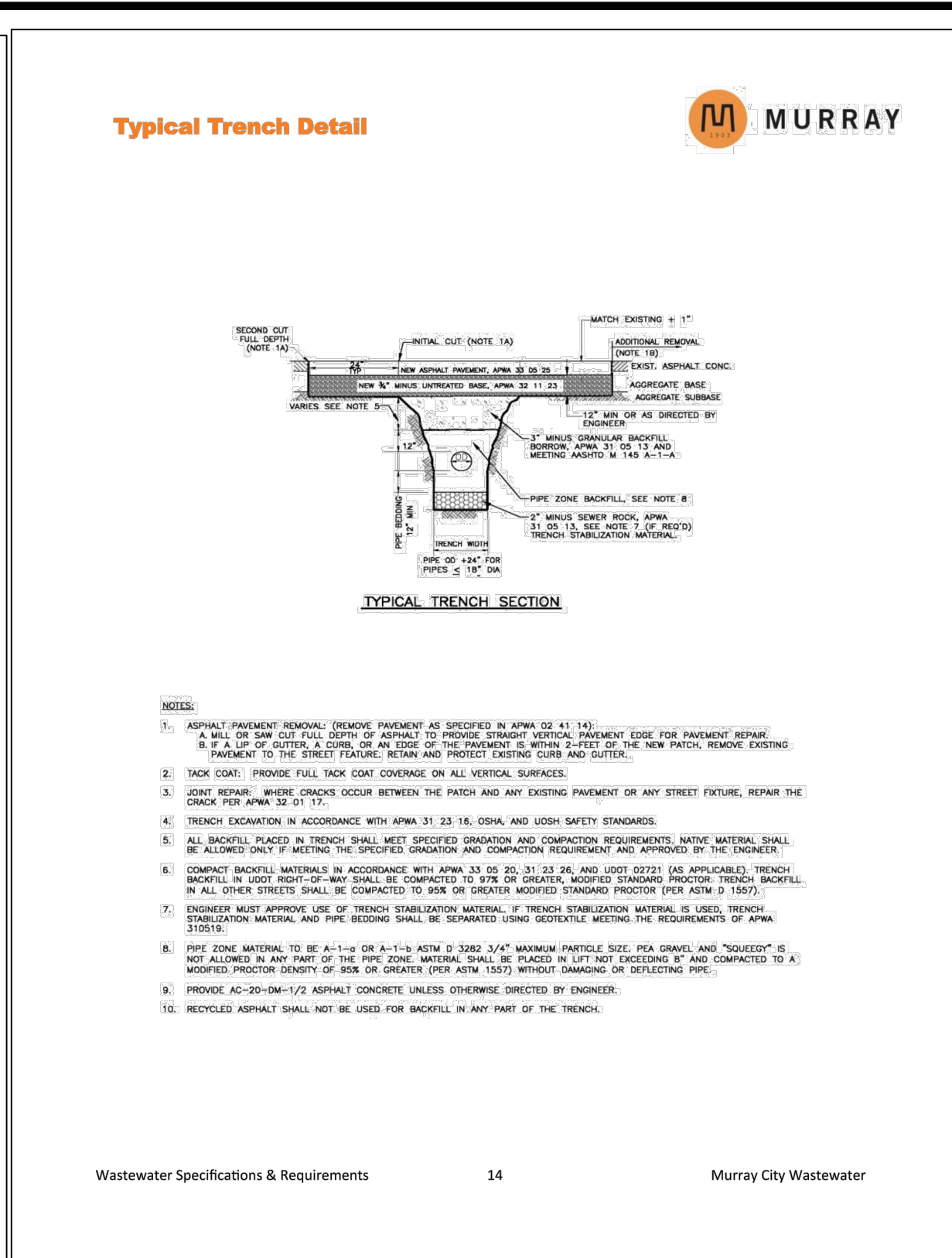
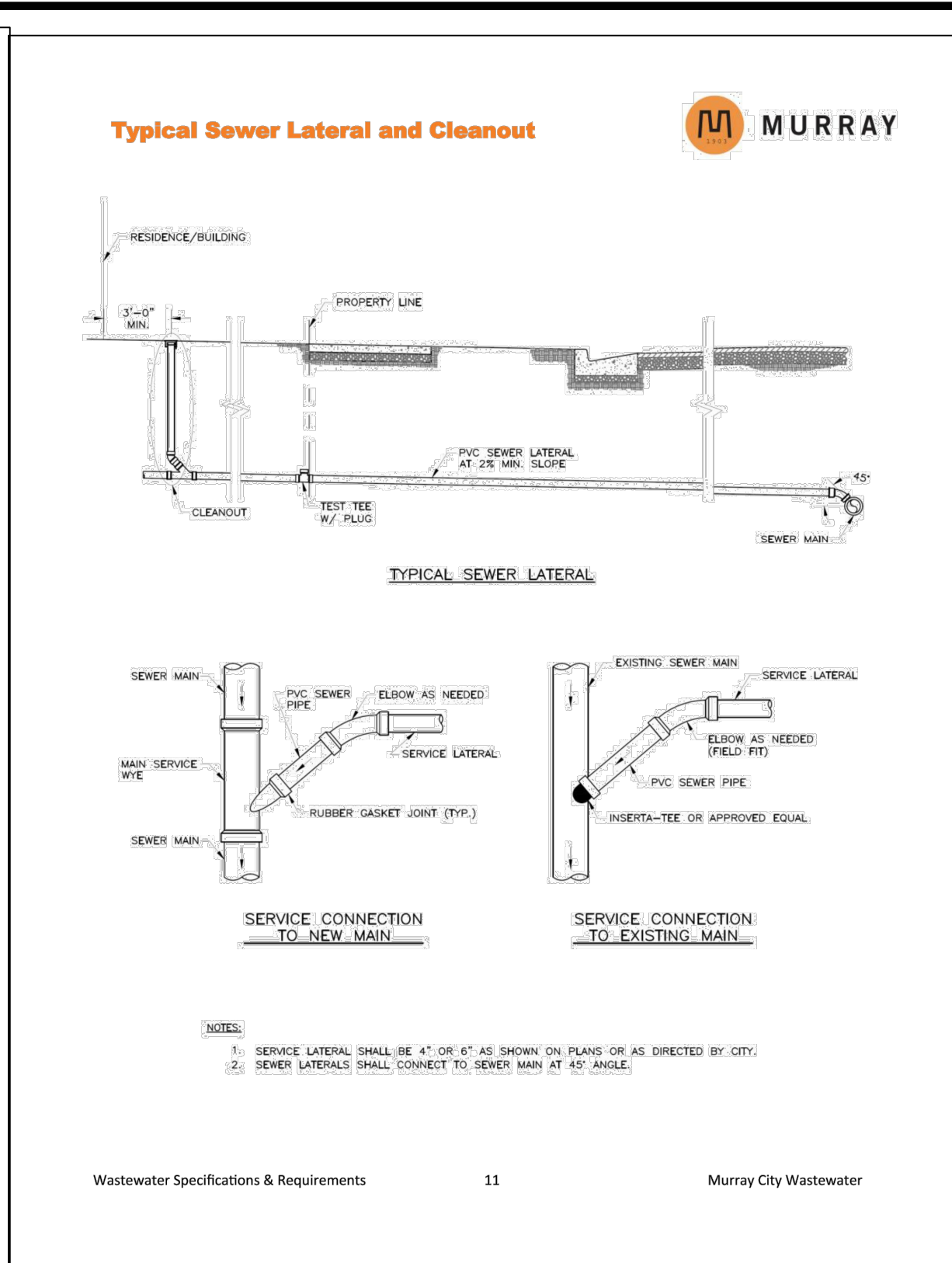
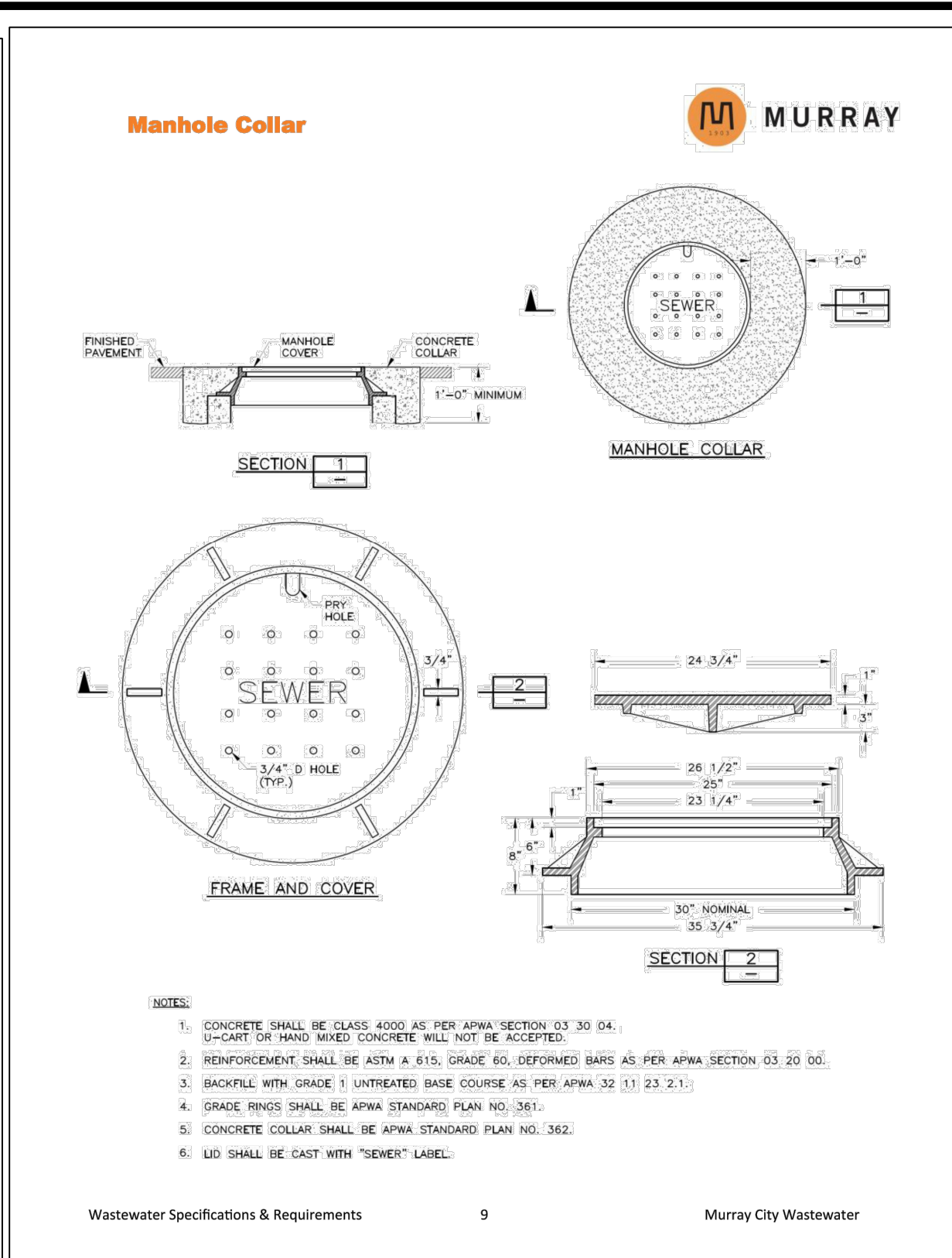
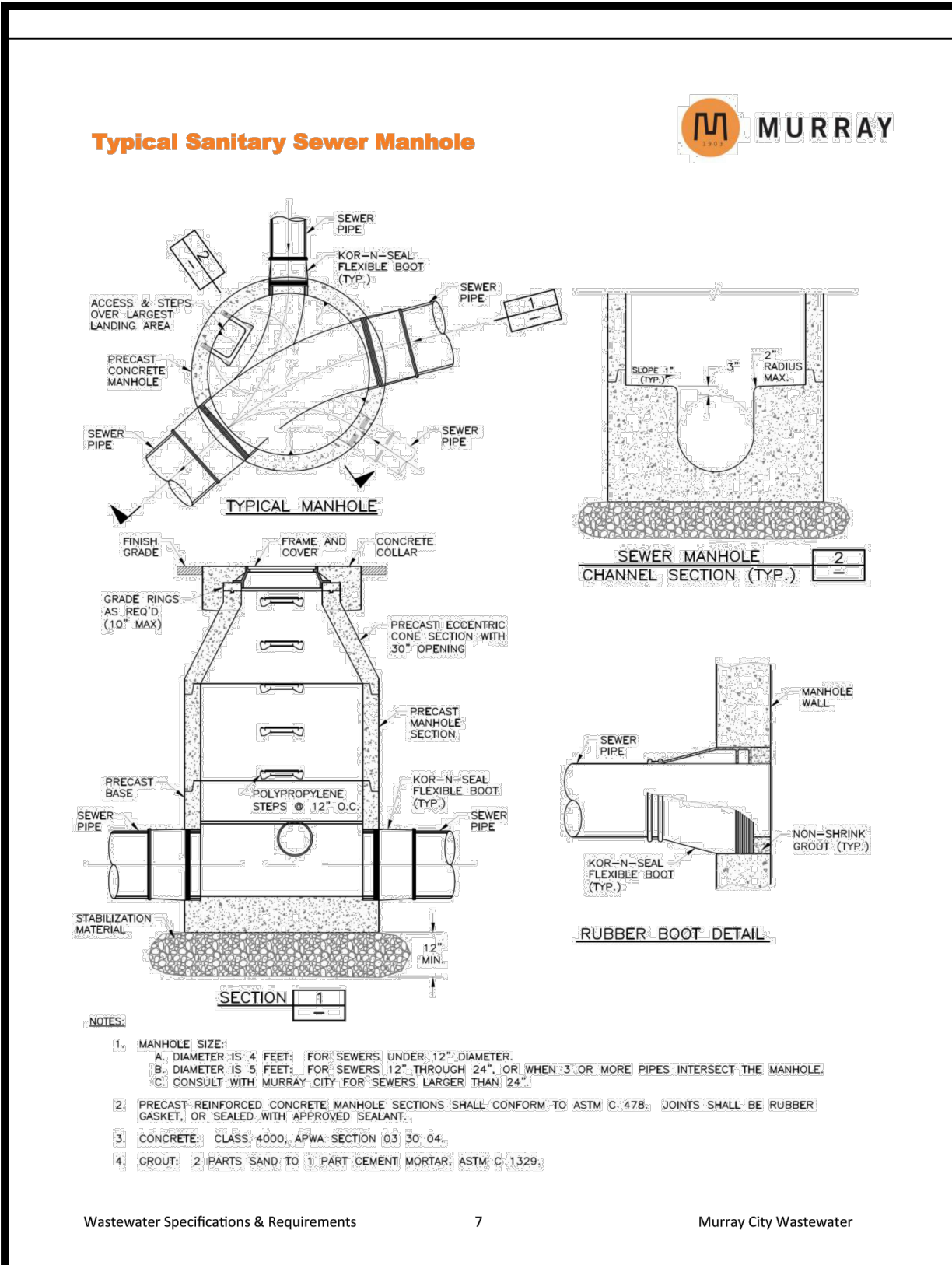
INITIAL SUBMITTAL	9/27/2022
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DRAWN: JBC	2023-02-2
APPROVED: CC	2023-02-2
PROJECT #:	206500
PLANSET 2065001.dwg	

C901

SITE DETAILS

H:\2065001\ID_PRODUCTION\DWG\04_Plan_Set\PLANSET_2065001.dwg 2023-02-20 9:08:01 AM JARED COURT



H:\2065001\ID_PRODUCTION\DWG\04_Plan_Set\PLANSET_2065001.dwg 2023-02-20 9:08:01 AM JARED COURT

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THE NOAH

149 EAST VINE STREET
LOCATED IN THE SE 1/4 OF SECTION 7, T.25S., R.1E., S.1E. & 8M.
MURRAY CITY, SALT LAKE COUNTY, UTAH

REVISIONS

INITIAL SUBMITTAL 9/27/2022

1

DRAWN: JBC 2023-02-20

APPROVED: CC 2023-02-20

PROJECT #: 2065002

PLANSET 2065001.dwg

C911

UTILITY DETAILS

[illegible]

COVER PIPE CONNECTION TO END CAP WITH AEG AGGREGATES BITT NONWOVEN GEOTEXTILE

STORMTECH-HIGH V RECOMBOND FLEXITON® INSERTS IN ANY UPSTREAM STRUCTURES WITH OPEN GRATES

SLUMP DEPTH 180 BY 180 (800 MIN RECOMMENDED)

MC-3500 CHAMBER

MC-3500 END CAP

34" (860 mm) HOPE ACCESS PIPE PART # MC3500248RMP

OPTIONAL INSPECTION PORT

ONE LAYER OF AEG UL111111 NONWOVEN GEOTEXTILE BETWEEN FOUNDATION STONE AND CHAMBERS

6.0" (151 mm) MIN VIBR CONTINUOUS FABRIC (WITHOUT BEAMS)

WYLOFAST

MC-3500 ISOLATOR ROW PLUS DETAIL

NOTES

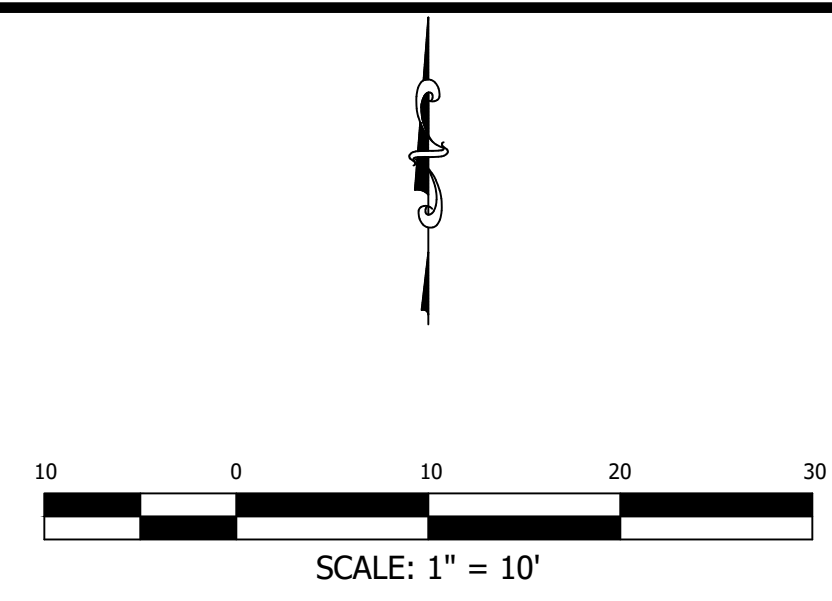
- INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
 - INSPECT PORTS (IF PRESENT)
 - REMOVE/OPEN LID ON UP/SLUPLIFT MAIN DRAIN
 - REMOVE AND CLEAN FLEXITON® FILTER IF INSTALLED
 - USING A LAMPSHAW AND TACKLE ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - CUTTER A GARDEN HOSE AND ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - IF SEDIMENT IS AT OR ABOVE 2 (80 mm) PROCEED TO STEP 1. IF NOT, PROCEED TO STEP 3.
 - ALL ISOLATOR PLUS ROWS
 - REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
 - USING A LAMPSHAW, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
 - MIRROR ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - IF DOWN THE ISOLATOR PLUS FOR CONFINED SPACE ENTRY, IF ENTERING MANHOLE SUBMIT AN AEG 3500-100 (80 mm) PROCEED TO STEP 1. IF NOT, PROCEED TO STEP 3.
- CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
 - A TIED CULVERT CLEANING NOZZLE WITH REAR FACING ORBIT OF 40" (1.1 m) OR MORE IS PREFERRED
 - APPLY MULTIPLE PASSES OF JETVAC UNTIL BROWN WATER IS CLEAN
 - VACUUM STRUCTURE SLUMP AS REQUIRED
- REFUSE ALL CONCRETE, GRAVEL, FILLING, AND LOGS, RECORD OBSERVATIONS AND ACTIONS.
- INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

- INSPECT EVERY 4 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED UPON OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACUUMING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

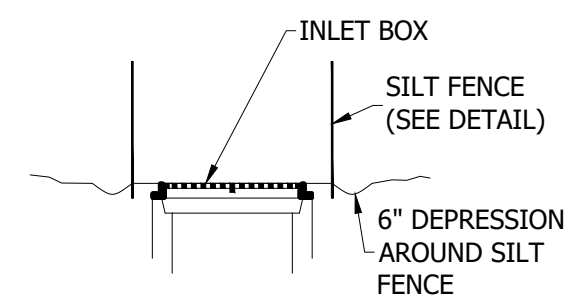
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	APPROVED: CC	2023-02-2
	PROJECT #:	206500
	PLANSET 2065001.dwg	
	C921 STORMTECH DETAILS	

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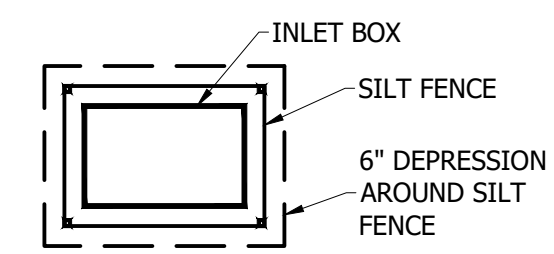


CONSTRUCTION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL, STATE, AND FEDERAL PERMITS PRIOR TO COMMENCING CONSTRUCTION.
2. CONTRACTOR TO MAINTAIN A COPY OF THE SWPPP ON SITE.
3. CONTRACTOR TO INSPECT SITE TO ENSURE THE SWPPP IMPROVEMENTS ARE IN PLACE AND FUNCTIONAL.
4. CONTRACTOR TO MAINTAIN TEMPORARY EROSION AND SEDIMENT CONTROLS AND HOUSEKEEPING MEASURES.
5. ALL SOLID WASTE SHALL BE STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER SHALL MEET ALL STATE AND LOCAL WASTE MANAGEMENT REGULATIONS.
6. ALL HAZARDOUS WASTE SHALL BE DISPOSED OF IN THE MANNER AS SPECIFIED BY THE MANUFACTURER AND STATE AND LOCAL REGULATIONS.
7. A WASHOUT AREA SHALL BE CONSTRUCTED FOR THE TEMPORARY COLLECTION OF EXCESS CONCRETE AND NON-STORM WATER DISCHARGES FROM VEHICLE WASHING. THE CONCRETE WILL BE TAKEN TO THE CITY LANDFILL WITHIN 1 WEEK OF PLACING IN THE WASHOUT AREA.
8. A STABILIZED CONSTRUCTION ENTRANCE WILL BE CONSTRUCTED TO REDUCE VEHICLE TRACKING OF SEDIMENTS ONTO PUBLIC RIGHT OF WAYS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEPED DAILY TO REMOVE EXCESS DIRT.
9. INSPECTION SHALL BE MADE MONTHLY AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. ALL NON-STORM WATER FLOWS SHALL BE DIRECTED TOWARD THE WASHOUT AREA OR SEDIMENT BASIN. THE SWPPP WILL BE REVISED AS SITE CONDITIONS AND PROJECT WARRANTS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND SWEEPING PUBLIC STREETS ON A DAILY BASIS, OR MORE IF NECESSARY.
11. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE DUST CONTROL THROUGHOUT THE COURSE OF THE PROJECT.

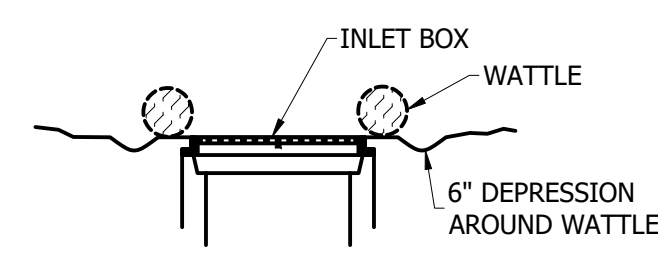


PROFILE VIEW

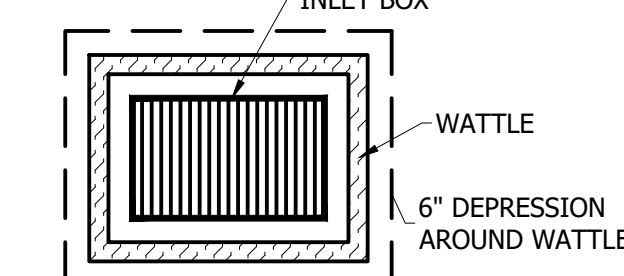


PLAN VIEW

IP1 INLET PROTECTION
EC100 TYPICAL
N.T.S.

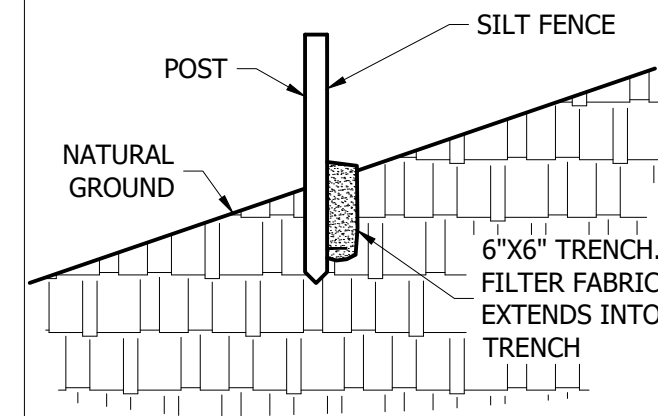


PROFILE VIEW

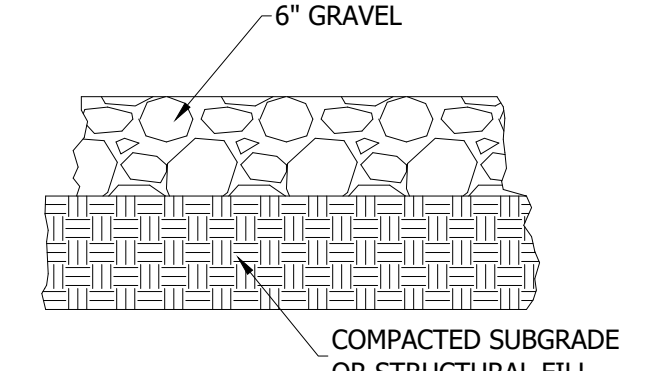


PLAN VIEW

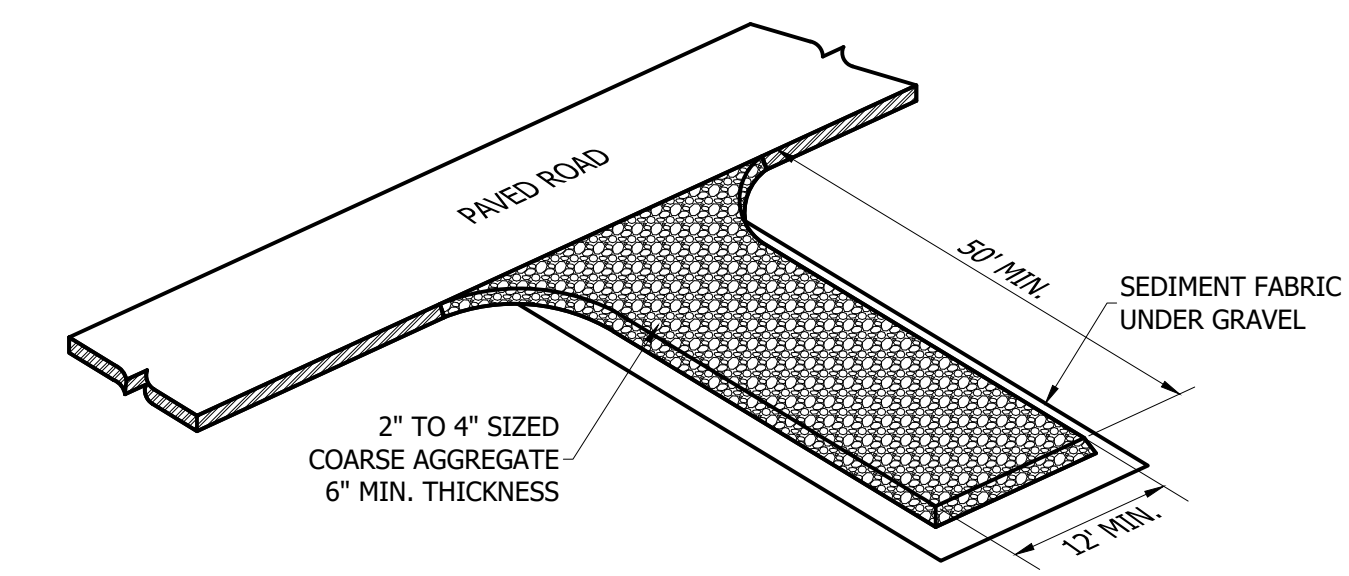
IP2 INLET PROTECTION
EC100 TYPICAL
N.T.S.



SF SILT FENCE
EC100 TYPICAL
N.T.S.



WA WASHDOWN AREA
EC100 TYPICAL
N.T.S.



SCE STABILIZED CONSTRUCTION ENTRANCE
EC100 TYPICAL
N.T.S.

1470 South 600 West
Woods Cross, UT 84010
Phone 801.298.2236
www.entellus.com

DEVELOPER

NEW DEVELOPMENT CONSULTING
Contact: JONATHAN OLIVER
1400 MORNING VISTA ROAD R187
Lehi, UT 84043
Phone: 801-458-4111
jonathan@newdevelopmentconsulting.com

THE NOAH

149 EAST VINE STREET
LOCATED IN THE SE 1/4 OF SECTION 7, T.25, R.1E, S.1E.8M,
MURRAY CITY, SALT LAKE COUNTY, UTAH

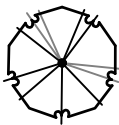










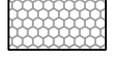
REVISIONS	
INITIAL	SUBMITTAL
1	9/27/2022

DRAWN: JBC 2023-02-20
APPROVED: CC 2023-02-20
PROJECT #: 2065002
2065002_PlanSet.dwg

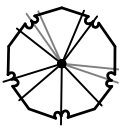





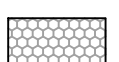

EC100
EROSION CONTROL

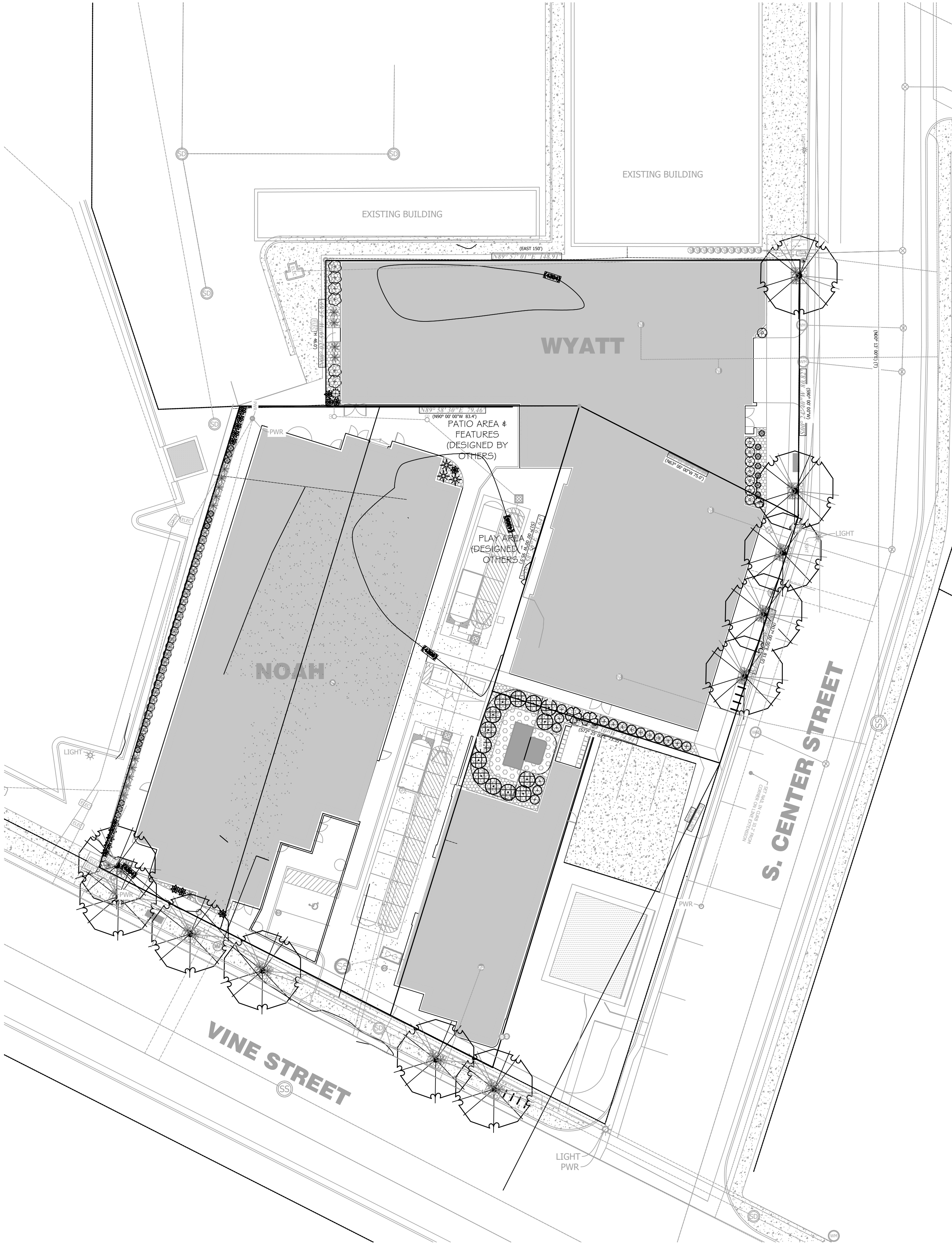
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PLANT SCHEDULE WYATT PROPERTY

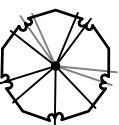














TREES	BOTANICAL / COMMON NAME	CONT	CAL	QTY
	Gleditsia triacanthos inermis `Shademaster` TM / Shademaster Locust Hydro Zone 1	B # B	1.5"	5
SHRUBS	BOTANICAL / COMMON NAME	CONT		
	Berberis thunbergii `Bagatelle` / Bagatelle Red Barberry Hydro Zone 2	2 gal		7
	Berberis thunbergii `Crimson Pygmy` / Crimson Pygmy Barberry Hydro Zone 2	5 gal		1
	Calamagrostis x acutiflora `Karl Foerster` / Feather Reed Grass Hydro Zone 2	2 gal		9
	Caryopteris x clandonensis `Dark Knight` / Blue Mist Shrub Hydro Zone 2	5 gal		6
	Helictotrichon sempervirens / Blue Oat Grass Hydro Zone 1	2 gal		10
	Hemerocallis x `Stella de Oro` / Stella de Oro Daylily Hydro Zone P3	1 gal		3
	Juniperus horizontalis `Bar Harbor` / Bar Harbor Creeping Juniper Hydro Zone 1 - Evergreen	5 gal		14
	Pennisetum alopecuroides `Little Bunny` / Little Bunny Fountain Grass Hydro Zone 2	2 gal		14
	Perovskia atriplicifolia `Blue Spires` / Russian Sage Hydro Zone 1	2 gal		6
	Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac Hydro Zone 1	5 gal		2
MULCHES / ROCK		TOTAL		
	4" MINIMUM DEPTH OF COLORED CRUSHED ROCK (GRAYS) OVER DEWITT PRO 5 WEED BARRIER. ROCK TO MATCH HOME2 SUITES BY HILTON BUILDING TO THE WEST OF THIS SITE.	562 S.F.		

PLANT SCHEDULE NOAH PROPERTY

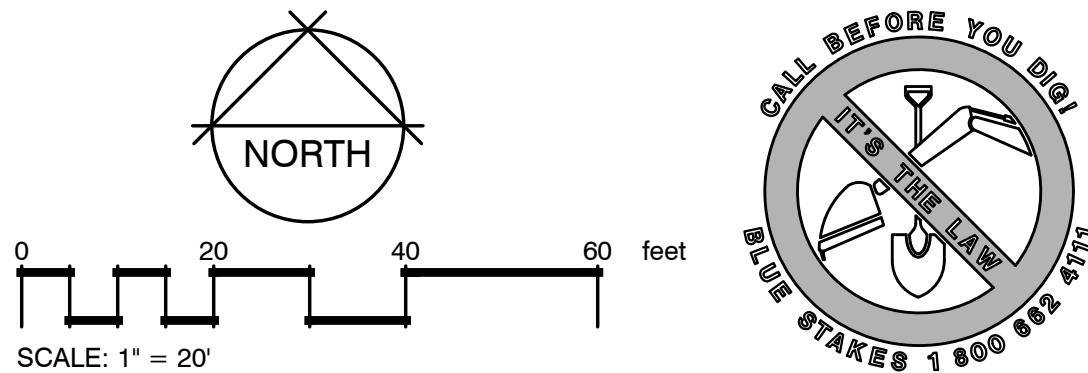
TREES	BOTANICAL / COMMON NAME	CONT	CAL	QTY
	Gleditsia triacanthos inermis `Shademaster` TM / Shademaster Locust Hydro Zone 1	B # B	1.5"	6
SHRUBS	BOTANICAL / COMMON NAME	CONT		
	Berberis thunbergii `Bagatelle` / Bagatelle Red Barberry Hydro Zone 2	2 gal		12
	Calamagrostis x acutiflora `Avalanche` / Feather Reed Grass Hydro Zone 2	2 gal		3
	Hemerocallis x `Stella de Oro` / Stella de Oro Daylily Hydro Zone P3	1 gal		14
	Pennisetum alopecuroides `Little Bunny` / Little Bunny Fountain Grass Hydro Zone 2	2 gal		24
	Schizachyrium scoparium / Little Bluestem Grass Hydro Zone O	2 gal		27
MULCHES / ROCK		TOTAL		
	4" MINIMUM DEPTH OF COLORED CRUSHED ROCK (GRAYS) OVER DEWITT PRO 5 WEED BARRIER. ROCK TO MATCH HOME2 SUITES BY HILTON BUILDING TO THE WEST OF THIS SITE.	1,204 S.F.		
	4" MINIMUM DEPTH OF 2" TO 4" OF COLORED CRUSHED ROCK (GRAYS) OVER DEWITT PRO 5 WEED BARRIER	210 S.F.		



PLANT SCHEDULE TOTAL PROJECT

TREES	BOTANICAL / COMMON NAME	CONT	CAL	QTY
	Gleditsia triacanthos inermis `Shademaster` TM / Shademaster Locust Hydro Zone 1	B # B	1.5"	11
SHRUBS	BOTANICAL / COMMON NAME	CONT		
	Berberis thunbergii `Bagatelle` / Bagatelle Red Barberry Hydro Zone 2	2 gal		19
	Berberis thunbergii `Crimson Pygmy` / Crimson Pygmy Barberry Hydro Zone 2	5 gal		1
	Calamagrostis x acutiflora `Avalanche` / Feather Reed Grass Hydro Zone 2	2 gal		3
	Calamagrostis x acutiflora `Karl Foerster` / Feather Reed Grass Hydro Zone 2	2 gal		9
	Caryopteris x clandonensis `Dark Knight` / Blue Mist Shrub Hydro Zone 2	5 gal		6
	Helictotrichon sempervirens / Blue Oat Grass Hydro Zone 1	2 gal		10
	Hemerocallis x `Stella de Oro` / Stella de Oro Daylily Hydro Zone P3	1 gal		17
	Juniperus horizontalis `Bar Harbor` / Bar Harbor Creeping Juniper Hydro Zone 1 - Evergreen	5 gal		14
	Pennisetum alopecuroides `Little Bunny` / Little Bunny Fountain Grass Hydro Zone 2	2 gal		38
	Perovskia atriplicifolia `Blue Spires` / Russian Sage Hydro Zone 1	2 gal		6
	Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac Hydro Zone 1	5 gal		2
	Schizachyrium scoparium / Little Bluestem Grass Hydro Zone O	2 gal		27
MULCHES / ROCK		TOTAL		
	4" MINIMUM DEPTH OF COLORED CRUSHED ROCK (GRAYS) OVER DEWITT PRO 5 WEED BARRIER. ROCK TO MATCH HOME2 SUITES BY HILTON BUILDING TO THE WEST OF THIS SITE.	1,766 S.F.		
	4" MINIMUM DEPTH OF 2" TO 4" OF COLORED CRUSHED ROCK (GRAYS) OVER DEWITT PRO 5 WEED BARRIER	210 S.F.		

- NOTES:
- SEE SHEET L-2 FOR NOTES AND DETAILS.
 - LANDSCAPE MATERIAL SQUARE FOOTAGES INCLUDE AREAS WITHIN THE PUBLIC RIGHT-OF-WAY.
 - TREE REMOVAL OR TREE PLANTING IN THE PUBLIC RIGHT-OF-WAY REQUIRES APPROVAL FROM MURRAY CITY URBAN FORESTRY OR SUBMIT PLANS CONTAINING AN URBAN FORESTER APPROVAL SIGNATURE.
 - ALL WORK DONE WITHIN THE PUBLIC WAY SHALL BE DONE BY A LICENSED, BONDED AND INSURED CONTRACTOR WHO SHALL FIRST OBTAIN A PUBLIC WAY PERMIT.
 - IRRIGATION SYSTEM IS EQUIPPED WITH A SMART ET BASED CONTROLLER AND RAIN SENSOR AS PART OF THE SPRINKLER SYSTEM.
 - PLANS ARE DIAGRAMMATIC DUE TO SCALE, THEREFORE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY QUANTITIES.
 - SPRINKLER AUDITS ARE TO BE CONDUCTED AND REPORTS SUBMITTED TO THE CITY PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
 - BACKFLOW PREVENTION DEVICE NEEDS TO BE TESTED AND SUBMITTED TO THE CITY.
 - ROCK MULCHES AND BOULDERS TO COMPLEMENT & BLEND WITH ARCHITECTURAL MATERIALS AND COLORS. CONTRACTOR TO SUBMIT SAMPLES TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO DELIVERY.
 - CONTRACTOR TO REFER TO THE CIVIL GRADING PLAN AND NOTIFY LANDSCAPE ARCHITECT IF ANY LANDSCAPE AREAS CONSIST OF GRADES STEEPER THAN 2H:1V SLOPE. MAXIMUM SLOPE IN ALL LANDSCAPE AREAS IS 2H:1V (H=HORIZONTAL & V=VERTICAL)
 - TREE CALIPER SIZE TO BE MEASURED 1.8 INCHES ABOVE GRADE PER CITY REQUIREMENT.
 - EVERGREEN TREES TO BE 6 FOOT MINIMUM HEIGHT ABOVE GRADE PER CITY REQUIREMENT.
 - NO TREES SHALL BE PLANTED IN PUBLIC PARK STRIPS LESS THAN 8 FEET WIDE. CENTERLINE OF TREES SHALL BE PLANTED MINIMUM OF 4 FEET AWAY FROM BACK OF CURB AND EITHER SIDE OF SIDEWALK.
 - REFER TO SHEET L-2 FOR ADDITIONAL LANDSCAPE AND IRRIGATION REQUIREMENTS.



PLANNING, LANDSCAPE ARCHITECTURE & SITE DESIGN SERVICES
1000 SOUTH CHANDLER DRIVE
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Foresite
Design Group, L.C.

NOAH AND WYATT
LANDSCAPE PLAN
149 EAST VINE STREET MURRAY, UTAH

PROJECT PROFESSIONAL: DCM

DESIGNER: DCM

DATE

BY

REVISIONS

NO.

SHEET:
L-1

FILE NAME: FDG-283
SCALE: 1" = 20'

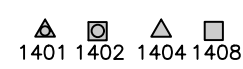


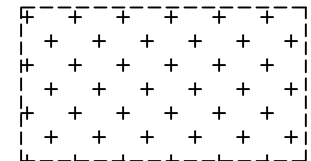








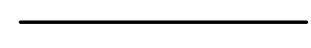
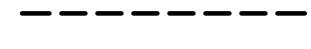
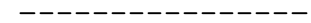
LANDSCAPE ARCHITECT
DAN C. MATTIA
No. 106248
1/31/23

PROJECT

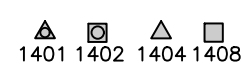



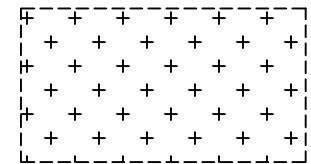






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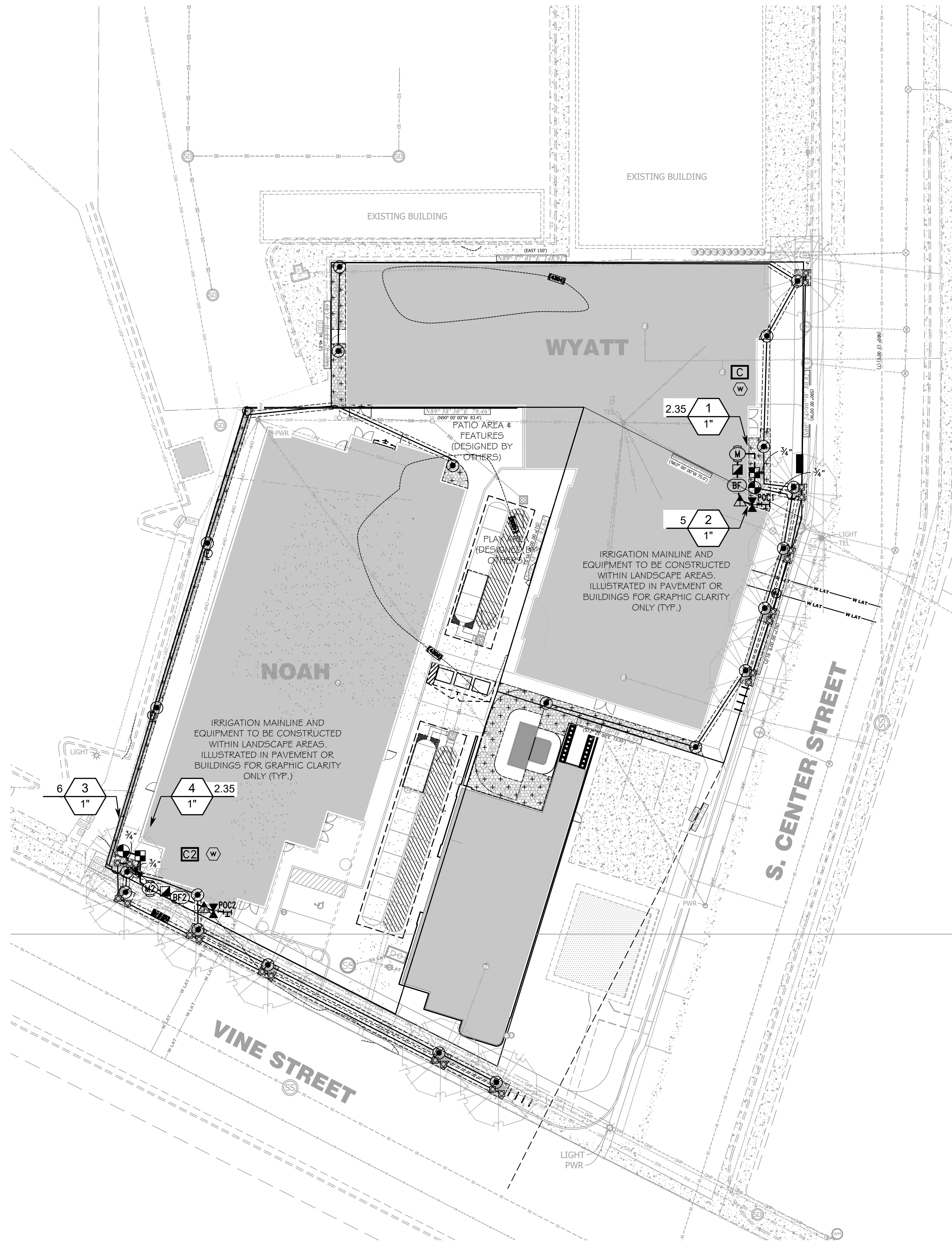
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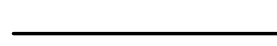
IRRIGATION SCHEDULE WYATT PROPERTY

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	Rain Bird 1806-PRS-1400 Flood Bubbler. Gin, popup with pressure regulating device.	10	30
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird XCZ-LF-100-PRF Low Flow Drip Control Kit, 1 in. Low Flow Valve, 3/4 in. Pressure Regulating RBY Filter, and 30psi Pressure Regulator. --.	1	
	Pipe Transition Point in Drip Box Pipe transition point from PVC lateral to drip tubing with riser in 6" (150mm) drip box.	11	
	Area to Receive Drip Emitters Rain Bird XB-PC Single Outlet, Pressure Compensating Drip Emitters. Flow rates of 0.5gph=blue, 1.0gph=black, and 2.0gph=red. Comes with a self-piercing barb inlet x barb outlet. Emitter Notes: 0.5 GPH emitters (2 assigned to each 1 gal plant) 1.0 GPH emitters (2 assigned to each 2 gal plant) 1.0 GPH emitters (2 assigned to each 5 gal plant)	1,161 s.f.	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird PGA-PRS-D Globe 1 in., 1-1/2 in., 2 in. Electric Remote Control Valve, Globe. With Pressure Regulator Module.	1	
	Rain Bird 44-LRC 1 in. Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, and 2-Piece Body.	1	
	Stop and Waste Valve Drain to Stop and Waste Valve	2 1	
	Rain Bird EFB-CP-PRS-D 1" 1 in., 1-1/4", 1-1/2 in., 2 in. Brass Master Valve, that is Contamination Proof w/Self-Flushing Filter Screen. Globe Configuration, Reclaimed Water Compatible, and Purple Handle Cover Designates Non-Potable Water Use. With Pressure Regulator.	1	
	Pressure Reducing Valve	2 1	
	Zurn 975XL 1" Reduced Pressure Backflow device	1	
	Rain Bird ESP4ME 4 Station, Hybrid Modular Indoor Controller. For Residential or Light Commercial Applications. Contractor to coordinate with owner's representative regarding location. Typical location is Fire Riser Room.	1	
	Rain Bird WR2-RFC Wireless Rain and Freeze Sensor Combo, includes 1 receiver and 1 rain/freeze sensor transmitter. Contractor to coordinate with owner's representative regarding location.	1	
	Irrigation Lateral Line: PVC Schedule 40	603.6 l.f.	
	Irrigation Mainline: PVC Schedule 40	39.3 l.f.	
	Pipe Sleeve: PVC Schedule 40	189.7 l.f.	

IRRIGATION SCHEDULE NOAH PROPERTY

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	Rain Bird 1806-PRS-1400 Flood Bubbler. Gin, popup with pressure regulating device.	12	30
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird XCZ-LF-100-PRF Low Flow Drip Control Kit, 1 in. Low Flow Valve, 3/4 in. Pressure Regulating RBY Filter, and 30psi Pressure Regulator. --.	1	
	Pipe Transition Point in Drip Box Pipe transition point from PVC lateral to drip tubing with riser in 6" (150mm) drip box.	10	
	Rain Bird MDCFCAP Dripline Flush Valve cap in compression fitting coupler.	3	
	Area to Receive Drip Emitters Rain Bird XB-PC Single Outlet, Pressure Compensating Drip Emitters. Flow rates of 0.5gph=blue, 1.0gph=black, and 2.0gph=red. Comes with a self-piercing barb inlet x barb outlet. Emitter Notes: 0.5 GPH emitters (2 assigned to each 1 gal plant) 1.0 GPH emitters (2 assigned to each 2 gal plant) 1.0 GPH emitters (2 assigned to each 5 gal plant)	598.8 s.f.	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird PGA-PRS-D Globe 1 in., 1-1/2 in., 2 in. Electric Remote Control Valve, Globe. With Pressure Regulator Module.	1	
	Rain Bird 44-LRC 1 in. Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, and 2-Piece Body.	1	
	Stop and Waste Valve Drain to Stop and Waste Valve	2 1	
	Rain Bird EFB-CP-PRS-D 1" 1 in., 1-1/4", 1-1/2 in., 2 in. Brass Master Valve, that is Contamination Proof w/Self-Flushing Filter Screen. Globe Configuration, Reclaimed Water Compatible, and Purple Handle Cover Designates Non-Potable Water Use. With Pressure Regulator.	1	
	Pressure Reducing Valve	2 1	
	Zurn 975XL 1" Reduced Pressure Backflow device	1	



	Rain Bird ESP4ME 4 Station, Hybrid Modular Indoor Controller. For Residential or Light Commercial Applications. Contractor to coordinate with owner's representative regarding location. Typical location is Fire Riser Room.	1	
	Rain Bird WR2-RFC Wireless Rain and Freeze Sensor Combo, includes 1 receiver and 1 rain/freeze sensor transmitter. Contractor to coordinate with owner's representative regarding location.	1	
	Irrigation Lateral Line: PVC Schedule 40	532.5 l.f.	
	Irrigation Mainline: PVC Schedule 40	43.2 l.f.	
	Pipe Sleeve: PVC Schedule 40	299.5 l.f.	

LANDSCAPE WATER ALLOWANCE

LANDSCAPE WATER ALLOWANCE = ETO X 1.0 X 0.62 X A
WHERE: ETO = REFERENCE EVAPOTRANSPIRATION
1.0 = ADJUSTMENT FACTOR FOR 100% TURF GRASS
0.62 = CONVERSION FACTOR
A = IRRIGATED LANDSCAPE AREA IN SQUARE FEET
31.18 X 1.0 X 0.62 X 1,669 = 32,264 GALLONS

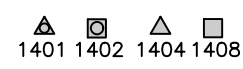



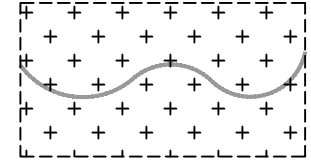












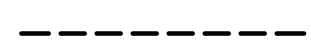
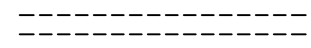
GENERAL NOTES:

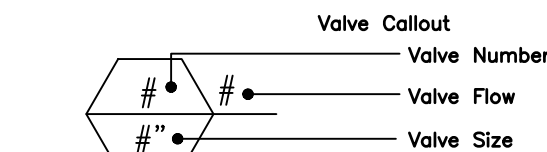
1. IRRIGATION SYSTEM IS EQUIPPED WITH A SMART ET BASED CONTROLLER AND RAIN SENSOR AS PART OF THE SPRINKLER SYSTEM.
2. IRRIGATION PIPING AND EQUIPMENT ILLUSTRATED IN HARDSCAPE AREAS IS FOR GRAPHIC CLARIFICATION ONLY. ALL IRRIGATION SYSTEMS ARE TO BE IN SOFTSCAPE UNLESS OTHERWISE NOTED.
3. NOTIFY LANDSCAPE ARCHITECT IF STATIC PRESSURE AT THE POINT OF CONNECTION IS UNDER 70 PSI.

WATERED LANDSCAPE AREAS SUMMARY

0 SF OF TURF GRASS
1,669 SF OF LOW TO MEDIUM SPACED PLANTINGS & TREES
1,669 SF OF TOTAL IRRIGATED LANDSCAPE

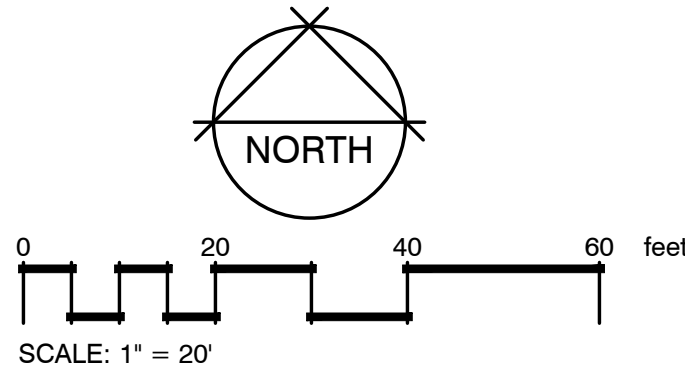
IRRIGATION SCHEDULE TOTAL PROJECT

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	Rain Bird 1806-PRS-1400 Flood Bubbler. Gin, popup with pressure regulating device.	22	30
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird XCZ-LF-100-PRF Low Flow Drip Control Kit, 1 in. Low Flow Valve, 3/4 in. Pressure Regulating RBY Filter, and 30psi Pressure Regulator. --.	2	
	Pipe Transition Point in Drip Box Pipe transition point from PVC lateral to drip tubing with riser in 6" (150mm) drip box.	21	
	Rain Bird MDCFCAP Dripline Flush Valve cap in compression fitting coupler.	3	
	Area to Receive Drip Emitters Rain Bird XB-PC Single Outlet, Pressure Compensating Drip Emitters. Flow rates of 0.5gph=blue, 1.0gph=black, and 2.0gph=red. Comes with a self-piercing barb inlet x barb outlet. Emitter Notes: 0.5 GPH emitters (2 assigned to each 1 gal plant) 1.0 GPH emitters (2 assigned to each 2 gal plant) 1.0 GPH emitters (2 assigned to each 5 gal plant)	1,669 s.f.	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	Rain Bird PGA-PRS-D Globe 1 in., 1-1/2 in., 2 in. Electric Remote Control Valve, Globe. With Pressure Regulator Module.	2	
	Rain Bird 44-LRC 1 in. Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, and 2-Piece Body.	2	
	Stop and Waste Valve Drain to Stop and Waste Valve	2 2	
	Rain Bird EFB-CP-PRS-D 1" 1 in., 1-1/4", 1-1/2 in., 2 in. Brass Master Valve, that is Contamination Proof w/Self-Flushing Filter Screen. Globe Configuration, Reclaimed Water Compatible, and Purple Handle Cover Designates Non-Potable Water Use. With Pressure Regulator.	1	
	Rain Bird EFB-CP-PRS-D 1" 1 in., 1-1/4", 1-1/2 in., 2 in. Brass Master Valve, that is Contamination Proof w/Self-Flushing Filter Screen. Globe Configuration, Reclaimed Water Compatible, and Purple Handle Cover Designates Non-Potable Water Use. With Pressure Regulator.	1	
	Pressure Reducing Valve	2 2	
	Zurn 975XL 1" Reduced Pressure Backflow device	1	
	Zurn 975XL 1" Reduced Pressure Backflow device	1	
	Rain Bird ESP4ME 4 Station, Hybrid Modular Indoor Controller. For Residential or Light Commercial Applications. Contractor to coordinate with owner's representative regarding location. Typical location is Fire Riser Room.	1	
	Rain Bird ESP4ME 4 Station, Hybrid Modular Indoor Controller. For Residential or Light Commercial Applications. Contractor to coordinate with owner's representative regarding location. Typical location is Fire Riser Room.	1	
	Rain Bird WR2-RFC Wireless Rain and Freeze Sensor Combo, includes 1 receiver and 1 rain/freeze sensor transmitter. Contractor to coordinate with owner's representative regarding location.	2	
	Irrigation Lateral Line: PVC Schedule 40	1,068 l.f.	
	Irrigation Mainline: PVC Schedule 40	82.5 l.f.	
	Pipe Sleeve: PVC Schedule 40	489.2 l.f.	



VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM
1	Rain Bird XCZ-LF-100-PRF	1"	Area for Drip Emitters	2.35
2	Rain Bird PGA-PRS-D Globe	1"	Bubbler	5
3	Rain Bird PGA-PRS-D Globe	1"	Bubbler	5
4	Rain Bird XCZ-LF-100-PRF	1"	Area for Drip Emitters	2.35



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NOAH AND WYATT
IRRIGATION PLAN
149 EAST VINE STREET MURRAY, UTAH

IR-1
SHEET:
FILE NAME: SCALE:
FDC-283 1" = 20'

BY DATE

REVISIONS

NO.

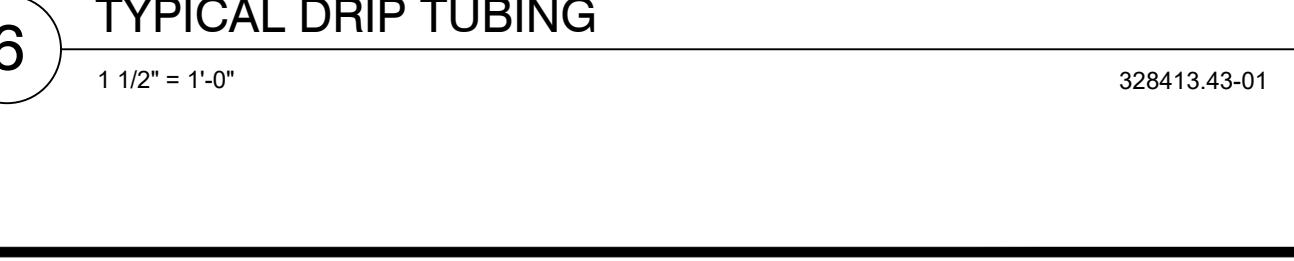
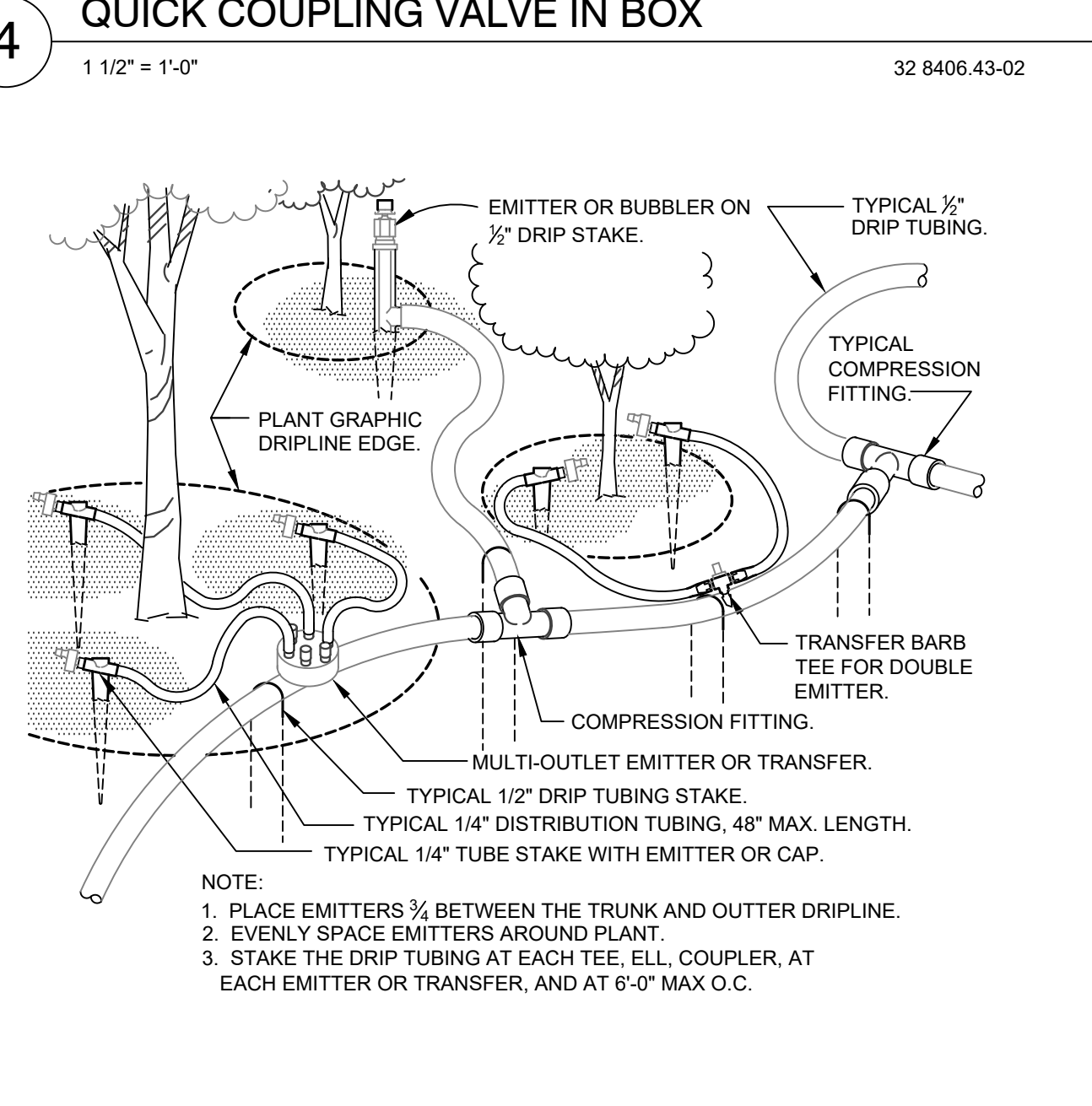
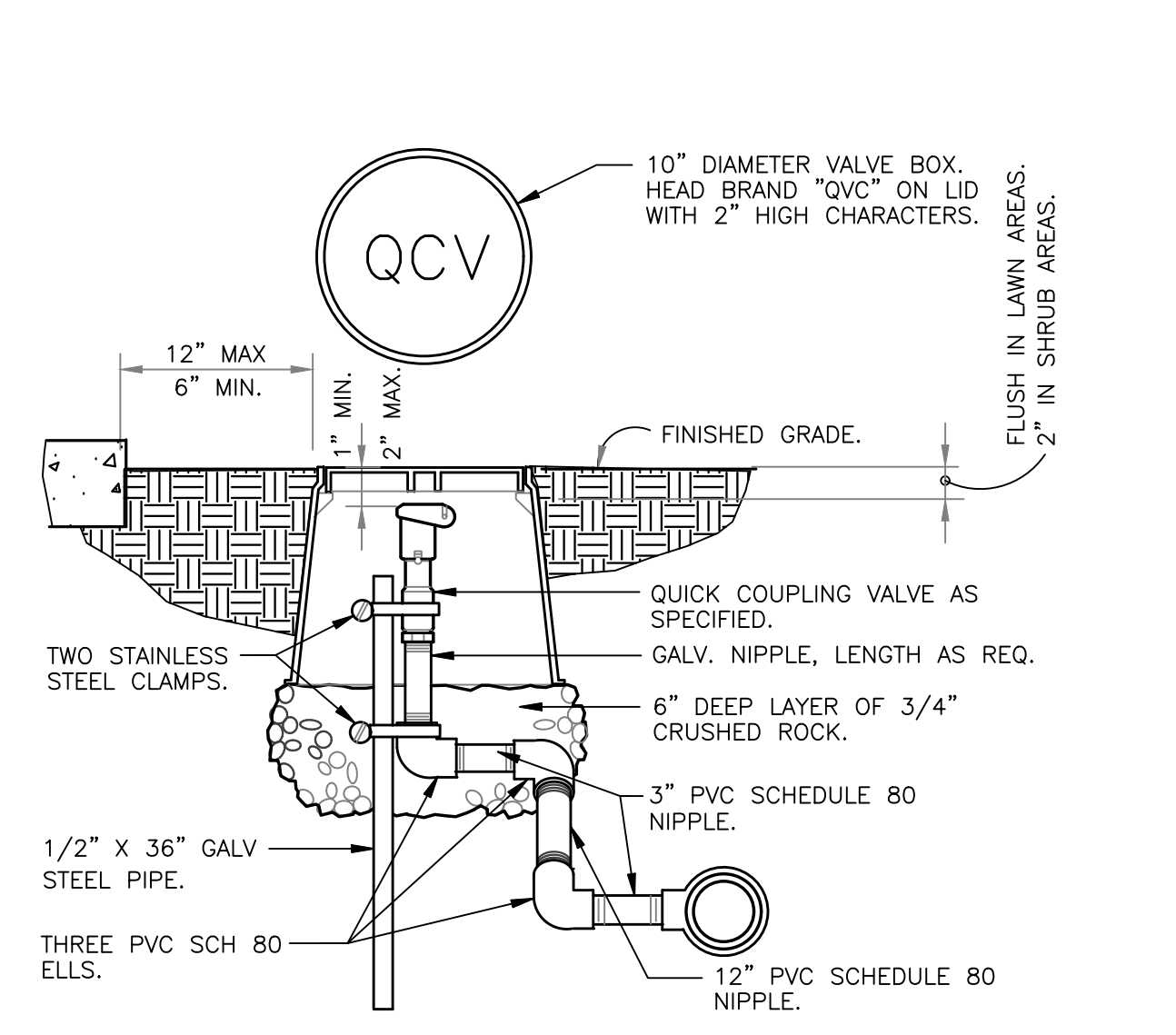
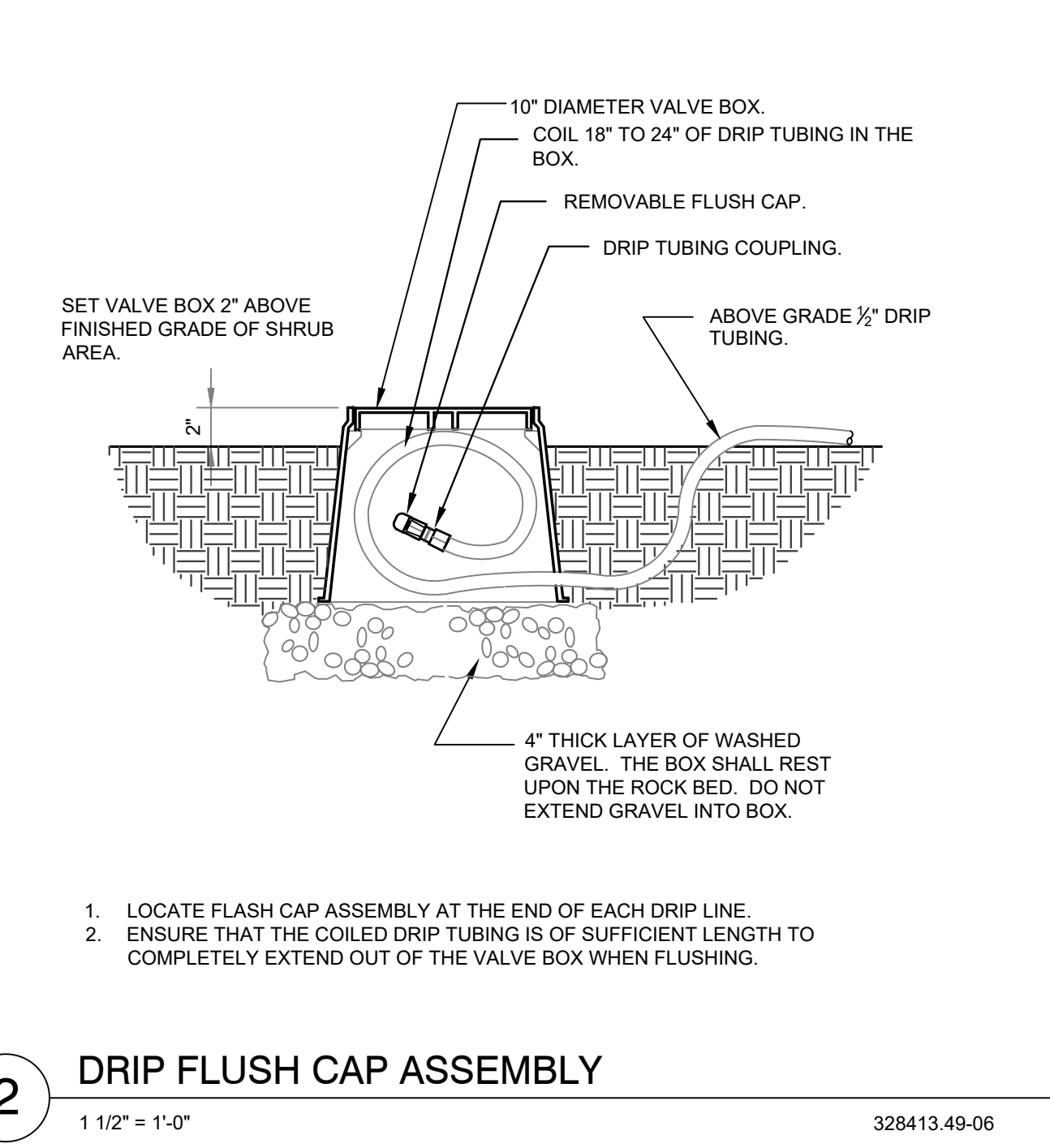
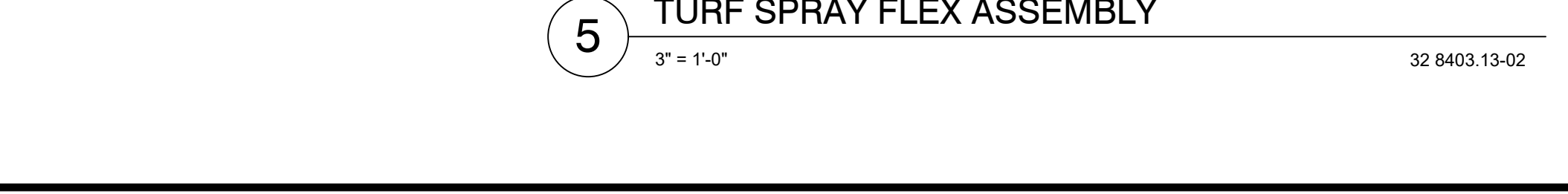
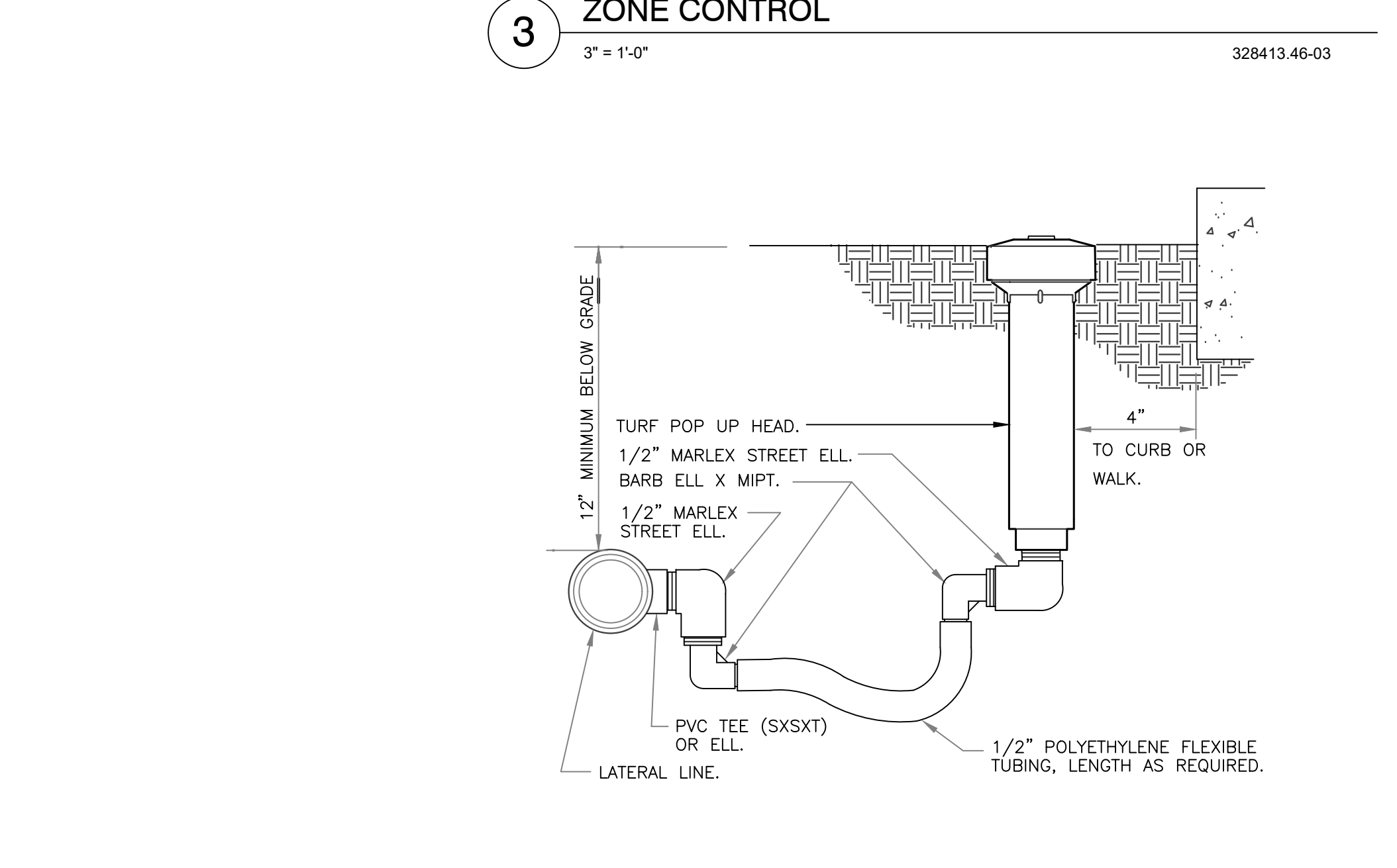
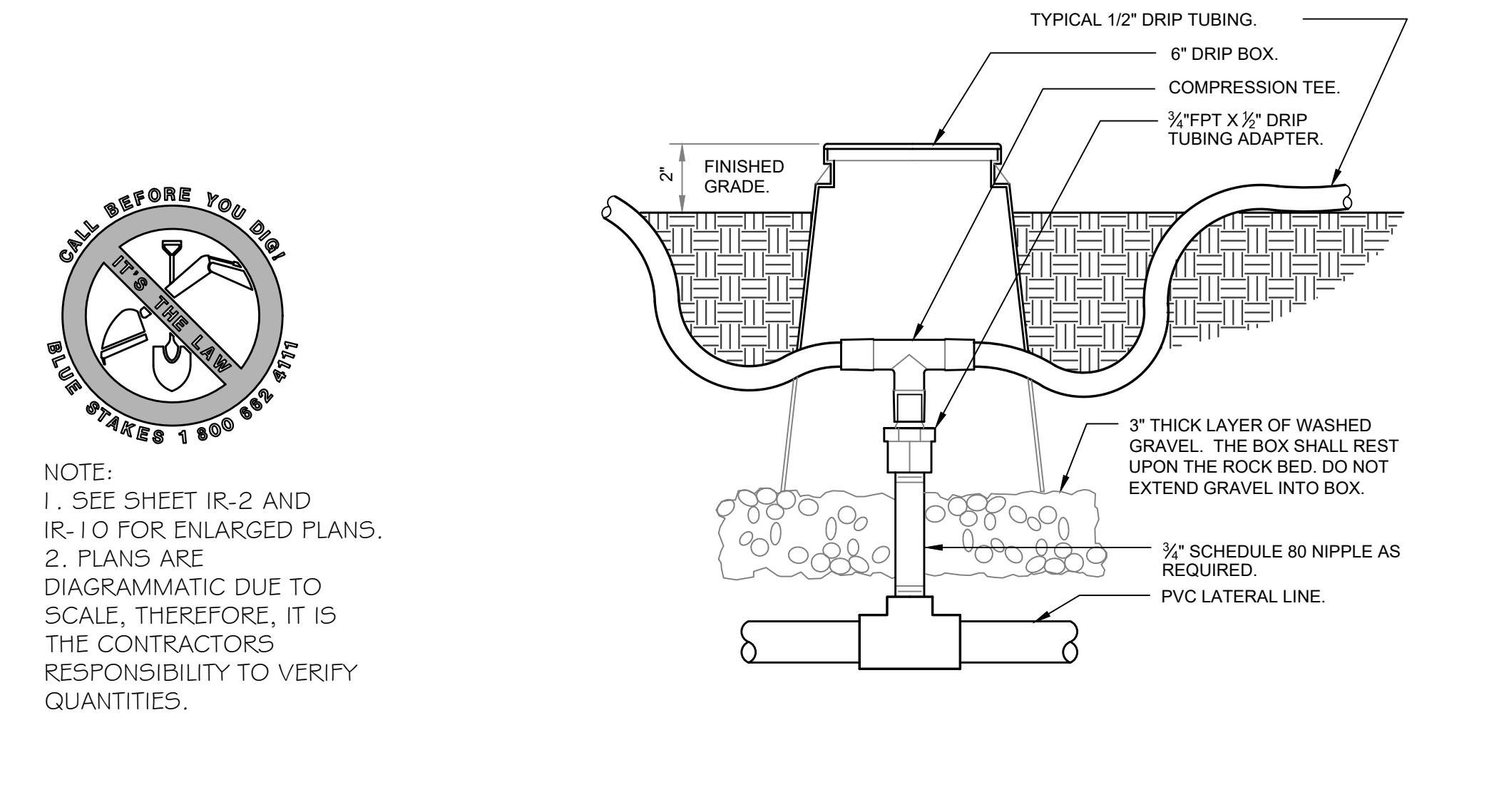
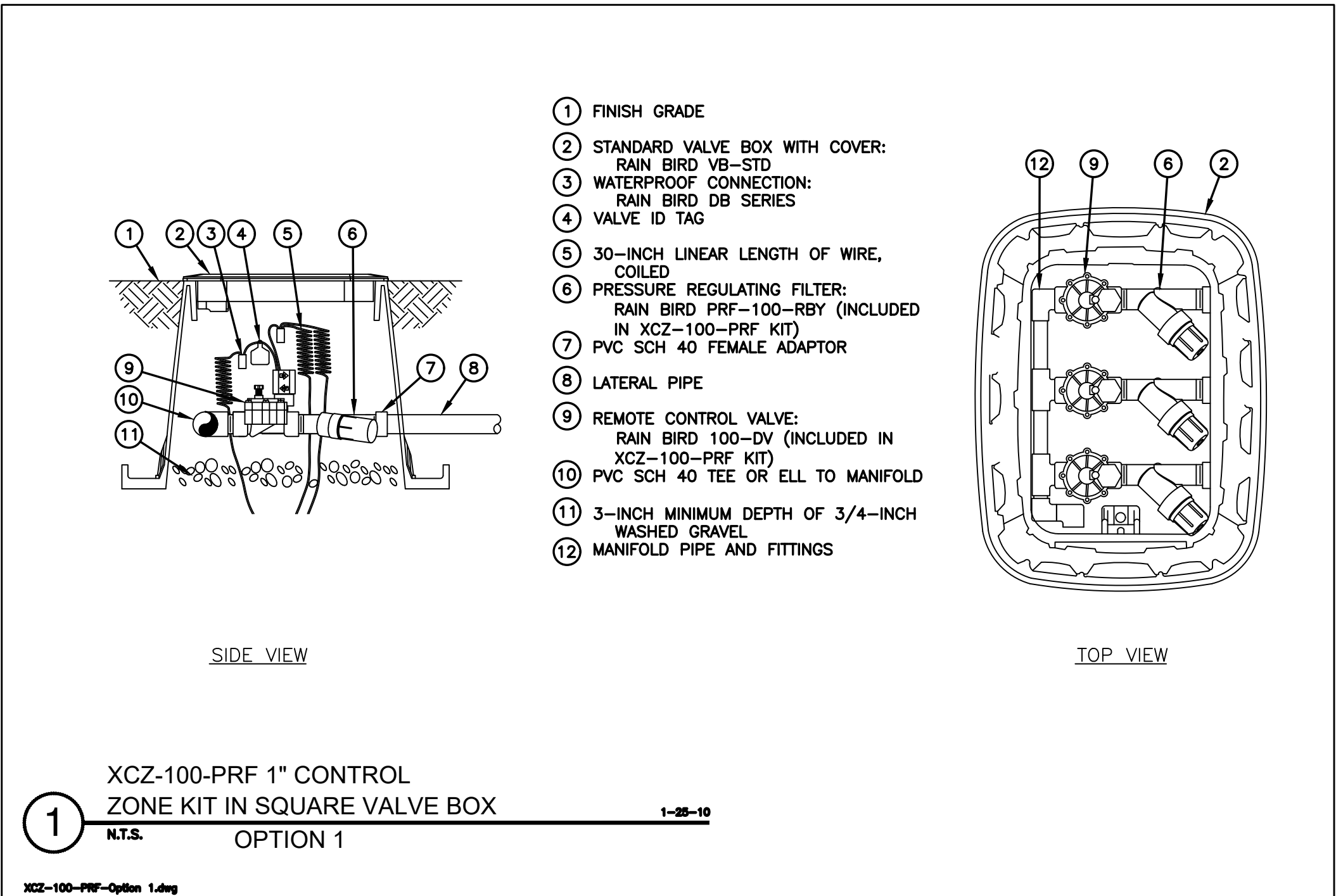
DESIGNER: DCM

PROJECT PROFESSIONAL: DCM

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IRRIGATION NOTES

1. AN AUTOMATIC IRRIGATION SYSTEM USING POP-UP SPRINKLER HEADS SHALL BE REQUIRED FOR ALL NEW LANDSCAPES. LOW FLOW SPRINKLER HEADS SHALL BE USED WHEREVER POSSIBLE. EACH VALVE SHALL IRRIGATE A LANDSCAPE WITH SIMILAR SITE, SLOPE AND SOIL CONDITIONS AND PLANT MATERIALS WITH SIMILAR WATERING NEEDS. TURF AND NON-TURF AREAS SHALL BE IRRIGATED ON SEPARATE VALVES.
2. THE LANDSCAPE CONTRACTOR SHALL PROVIDE IRRIGATION AS-BUILT DRAWINGS OF THE IRRIGATION SYSTEM TO THE OWNERS CONSTRUCTION REPRESENTATIVE. ALL IRRIGATION COMPONENTS ADDED, DELETED, OR MODIFIED IN THE FIELD SHALL BE NOTED ON THE PLAN. NOTE TAP SIZE, LINE SIZE, AND STATIC PRESSURE AT POINT OF CONNECTION.
3. IRRIGATION SYSTEM COMPONENTS MUST BE PREMIUM QUALITY ONLY AND INSTALLED TO MANUFACTURER'S REQUIREMENTS AND SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING STATE AND LOCAL LAWS FOR ALL SPECIFIED MATERIALS AND WORKMANSHIP. SUBSTITUTIONS MUST BE APPROVED BY LANDSCAPE ARCHITECT. PROVIDE OWNER AND MAINTENANCE PERSONNEL WITH INSTRUCTION MANUAL AND ALL PRODUCTS DATA TO OPERATE, CHECK, WINTERIZE, REPAIR, AND ADJUST SYSTEM. ANY CHANGES MUST BE DOCUMENTED AND SUBMITTED TO LANDSCAPE ARCHITECT IN AN AS BUILT PLAN FORMAT.
4. IRRIGATION SYSTEM GUARANTEE FOR ALL MATERIALS AND WORKMANSHIP SHALL BE ONE YEAR FROM THE TIME OF PROJECT ACCEPTANCE. GUARANTEE WILL INCLUDE, BUT IS NOT LIMITED TO WINTERIZING, SPRING ACTIVATION, REPAIR, TRENCH SETTING, BACKFILLING DEPRESSIONS, AND REPAIRING FREEZE DAMAGE. CONTRACTOR MUST CONTACT OWNERS REPRESENTATIVE TO SCHEDULE PRE AND POST GUARANTEE INSPECTION MEETINGS. FAILURE TO DO SO WILL MEAN THE OFFICIAL GUARANTEE PERIOD HAS NOT BEEN ACTIVATED OR DE-ACTIVATED.
5. IRRIGATION SYSTEM STATIC PRESSURE MUST BE CHECKED BY THE CONTRACTOR BEFORE CONSTRUCTION BEGINS. CONTACT LANDSCAPE ARCHITECT IF MEASURED STATIC PRESSURE IS UNDER 75 PSI. A PRESSURE REGULATING VALVE SHALL BE INSTALLED AND MAINTAINED BY THE CONSUMER IF THE STATIC SERVICE PRESSURE EXCEEDS 80 POUNDS PER SQUARE INCH (PSI). THE PRESSURE-REGULATING VALVE SHALL BE LOCATED BETWEEN THE LANDSCAPE WATER METER AND THE FIRST POINT OF WATER USE, OR FIRST POINT OF DIVISION IN THE PIPE, AND SHALL BE SET AT THE MANUFACTURER'S RECOMMENDED PRESSURE FOR SPRINKLERS.
6. LANDSCAPE WATER METER: A WATER METER AND BACKFLOW PREVENTION ASSEMBLY THAT ARE IN COMPLIANCE WITH STATE CODE SHALL BE INSTALLED FOR LANDSCAPE IRRIGATION SYSTEMS, AND THE LANDSCAPE WATER METER AND BACKFLOW PREVENTION ASSEMBLY SHALL BE SEPARATE FROM THE WATER METER AND BACKFLOW PREVENTION ASSEMBLY INSTALLED FOR INDOOR USES. THE SIZE OF THE METER SHALL BE DETERMINED BASED ON IRRIGATION DEMAND.
7. IRRIGATION SYSTEM CHECK MUST BE DONE BEFORE THE SYSTEM IS BACKFILLED. IRRIGATION MAINLINE AND EACH CONTROL VALVE SECTION MUST BE FLUSHED AND PRESSURE CHECKED. ASSURE THE COMPLETE SYSTEM HAS NO DOCUMENTED PROBLEMS AND FULL HEAD TO HEAD COVERAGE WITH ADEQUATE PRESSURE FOR SYSTEM OPERATION. ADJUST SYSTEM TO AVOID SPRAY ON BUILDING, HARDSCAPE, AND ADJACENT PROPERTY. ANY PROBLEMS OR PLAN DISCREPANCIES MUST BE REPORTED TO THE LANDSCAPE ARCHITECT.
8. FIELD VERIFICATION OF ALL IRRIGATION PIPING AND EQUIPMENT NECESSARY TO COMPLETE CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
9. IRRIGATION LATERALS AND FITTINGS MUST BE SCHEDULE 40 P.V.C. ONE (1) INCH MINIMUM SIZE. SOLVENT WELD ALL JOINTS AS PER MANUFACTURES SPECIFICATIONS FOR MEASURED STATIC P.S.I. TEFLON TAPE ALL THREADED FITTINGS. THE MINIMUM DEPTH OF LINES SHALL BE TWELVE (12) INCHES. FLOWS IN G.P.M. FOR UN-SIZED LINES OR CHANGES SHALL BE (1 INCH-9-12 G.P.M.), (1 1/4 INCH-13-22 G.P.M.), (1-1/2 INCH-23-30 G.P.M.), (2 INCH-31-50 G.P.M.). INSTALL KING DRAINS AT ALL LOW POINTS AND ADAPT SYSTEM TO MANUAL COMPRESSION AIR BLOWOUT. THE OWNER MUST BE INFORMED ON WINTERIZING SCHEDULE FOR BLOWING OUT SYSTEM.
10. IRRIGATION MAIN LINE 3" AND SMALLER SHALL BE SCHEDULE 40 PVC PIPE WITH SCHEDULE 80 FITTINGS. SOLVENT WELD ALL JOINTS AS PER MANUFACTURER'S SPECIFICATIONS FOR MEASURED STATIC PRESSURE. USE TEFLON TAPE ON ALL THREADED JOINTS. LINE DEPTH MUST BE TWENTY FOUR (24) INCHES MINIMUM.
11. THRUST BLOCKS FOR MAINLINES SHALL BE INSTALLED WITH A MINIMUM OF THREE AND A HALF (3 1/2) CUBIC FOOT OF CONCRETE WHEREVER A CHANGE IN DIRECTION OR A "T" OCCURS.
12. AUTOMATIC CONTROLLER: ALL IRRIGATION SYSTEMS SHALL INCLUDE AN ELECTRIC AUTOMATIC CONTROLLER WITH MULTIPLE PROGRAM AND MULTIPLE REPEAT CYCLE CAPABILITIES AND A FLEXIBLE CALENDAR PROGRAM. ALL CONTROLLERS SHALL BE EQUIPPED WITH AN AUTOMATIC RAIN SHUT-OFF DEVICE.
13. A RAIN SENSING OVERRIDING DEVICE SHALL BE UTILIZED SO THAT THE IRRIGATION SYSTEM WILL AUTOMATICALLY TURN OFF IN THE EVENT OF RAIN.
14. CONTROL WIRE MUST BE UF-UL LISTED, COLOR CODED, COPPER CONDUCTOR, DIRECT BURIAL. USE 1/4 GAUGE MINIMUM WIRING WITH ALL CONNECTIONS MADE WITH WATERTIGHT RAINBIRD SPLICE-I WATERPROOF CONNECTORS AND CONTAINED IN VALVE BOXES. PROVIDE 24" OF SLACK WIRE AT EACH REMOTE CONTROL VALVE IN VALVE BOXES AND SLACK AT ALL CHANGES IN DIRECTION. TAPE WIRE TO THE UNDERSIDE OF THE MAINLINE EVERY TWENTY (20) FEET. WIRING SHALL HAVE SEPARATE COLORS FOR COMMON, CONTROL, AND SPARE. PROVIDE ONE SPARE WIRE FOR EVERY 5 REMOTE CONTROL VALVES, WITH SPARE AVAILABLE AT ALL VALVE MANIFOLDS OR CLUSTERS. ALL SPARE WIRE SHALL BE "HOME RUN" TO THE CONTROLLER AND COMMON SHALL BE END RUN.
15. DRIP EMITTERS OR A BUBBLER SHALL BE PROVIDED FOR EACH TREE WHERE PRACTICABLE. BUBBLERS SHALL NOT EXCEED 1.5 GALLONS PER MINUTE PER DEVICE. BUBBLERS FOR TREES SHALL BE ON SEPARATE VALVE UNLESS SPECIFICALLY EXEMPTED BY THE SANDY CITY PUBLIC UTILITIES DEPARTMENT DUE TO THE LIMITED NUMBER OF TREES ON THE PROJECT SITE.
16. HEAD RISERS FOR SPRAY HEADS MUST BE A "FUNNY PIPE SYSTEM". RISERS FOR GEAR DRIVEN AND IMPACT HEADS MUST BE RAINBIRD TSJ SERIES SWING JOINTS (SIZE TO MATCH INLET SIZE OF HEAD) OR APPROVED EQUAL.
17. SIZE VALVE BOXES ACCORDING TO VALVE NUMBERS FOR EASE OF MAINTENANCE AND REPAIR. INSTALL FOUR (4) CUBIC FEET OF PEA GRAVEL FOR SUMP IN BASE OF BOXES.
18. QUICK COUPLERS SHALL BE A RAINBIRD 44LRC WITH A LASCO 1" UNITIZED SWING JOINT ASSEMBLY AND 1" BRASS INSERT 90° ELL OUTLET, SUPPORT WITH REBAR IN EACH RETAINER LUG. INSTALL WHERE SHOWN ON THE PLANS.
19. IRRIGATION SYSTEM BACKFILL MUST OCCUR ONLY AFTER SYSTEM CHECK IS COMPLETED AS SPECIFIED. USE ONLY ROCK FREE CLEAN FILL AROUND PIPES, VALVES, DRAINS, OR ANY IRRIGATION SYSTEM COMPONENTS. WATER SETTLE ALL TRENCHES AND EXCAVATIONS.
20. ALL IRRIGATION PIPE RUNNING THROUGH WALLS, UNDER SIDEWALK, ASPHALT, OR OTHER HARD SURFACE SHALL BE SLEEVED PRIOR TO PAVING. IT IS THE IRRIGATION CONTRACTORS RESPONSIBILITY TO COORDINATE SLEEVEING WITH CONCRETE AND PAVEMENT CONTRACTORS. THE DEPTH FOR MAIN LINE SLEEVES SHALL BE TWENTY FOUR (24) INCHES MINIMUM. DEPTH FOR LATERAL SLEEVES SHALL BE TWELVE (12) INCHES MINIMUM. SLEEVES SHALL BE A MINIMUM OF TWO SIZES LARGER THAN THE PIPE TO BE SLEEVED. ALL VALVE WIRING SHALL BE CONTAINED IN SEPARATE SLEEVEING.
21. PLANS ARE DIAGRAMMATIC AND APPROXIMATE DUE TO SCALE. WHERE POSSIBLE, ALL PIPING IS TO BE INSTALLED WITHIN THE PLANTING AREAS. NO TEES, ELLS, OR CHANGES IN DIRECTION SHALL OCCUR UNDER HARDSCAPE.
22. SPRAY HEADS ADJACENT TO HARDSCAPE PAVING SHALL BE SPACED AWAY 1'-4". SPRAY HEADS ADJACENT TO WALLS, BUILDINGS, OR STRUCTURES SHALL BE SPACED AWAY A MINIMUM OF 6'.
23. SPRINKLERS SHALL HAVE MATCHED PRECIPITATION RATE WITH EACH CONTROL VALVE CIRCUIT.
24. CHECK VALVES SHALL BE REQUIRED WHERE ELEVATION DIFFERENCES WILL CAUSE LOW-HEAD DRAINAGE. PRESSURE COMPENSATING VALVES AND SPRINKLERS SHALL BE REQUIRED WHERE A SIGNIFICANT VARIATION IN WATER PRESSURE WILL OCCUR WITHIN THE IRRIGATION SYSTEM DUE TO ELEVATION DIFFERENCES.
25. ON SLOPES EXCEEDING 30%, THE IRRIGATION SYSTEM SHALL CONSIST OF DRIP EMITTERS, BUBBLERS, OR SPRINKLERS WITH A MAXIMUM PRECIPITATION RATE OF 0.85 INCHES PER HOUR AND ADJUSTED SPRINKLER CYCLE TO ELIMINATE RUNOFF. PROGRAM VALVES FOR MULTIPLE REPEAT CYCLES WHERE NECESSARY TO REDUCE RUNOFF, PARTICULARLY SLOPES AND SOILS WITH SLOW INFILTRATION RATES.
26. IRRIGATION ZONES WITH OVERHEAD SPRAY OR STREAM SPRINKLERS SHALL BE DESIGNED TO OPERATE BETWEEN 6:00 P.M. AND 10:00 A.M. TO REDUCE WATER LOSS FROM WIND AND EVAPORATION. THIS WOULD EXCLUDE DRIP OR BUBBLER ZONES.
27. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL QUANTITIES BASED UPON THE PLAN PRIOR TO COMPLETION OF A CONSTRUCTION COST ESTIMATE.
28. UPON COMPLETION OF IRRIGATION MODIFICATIONS, THE CONTRACTOR SHALL VISUALLY INSPECT THE IRRIGATION SYSTEM AND VERIFY THAT ALL IRRIGATION ZONES OPERATE PROPERTY. ANY UNDER IRRIGATED OR UNIRRIGATED AREAS SHALL BE IDENTIFIED, AND THE CONTRACTOR SHALL MAKE ADJUSTMENTS OR ADDITIONS TO THE SYSTEM TO CORRECT IRRIGATION DEFICIENCIES.
29. DRIP SYSTEM PIPING SHALL CONSIST OF A RIGID SCHEDULE 40 PVC PIPE DISTRIBUTION SYSTEM CONNECTING DRIP IRRIGATED PLANTING AREAS. POLYETHYLENE FLEXIBLE PIPING SHALL BE RUN OFF THE RIGID PVC IN EACH PLANTING AREA OR ISLAND WITH A PVC TO POLYETHYLENE ADAPTER. NO POLYETHYLENE SHALL RUN UNDER PAVEMENT.
30. DRIP IRRIGATION LINES SHALL BE PLACED UNDERGROUND OR OTHERWISE EXTERNALLY COVERED, EXCEPT FOR DRIP EMITTERS AND WHERE APPROVED AS A TEMPORARY INSTALLATION. FILTERS AND END FLUSH VALVES SHALL BE PROVIDED AS NECESSARY.
31. FOLLOWING CONSTRUCTION, PRIOR TO RELEASE OF THE SECONDARY BOND GUARANTEE POSTED FOR THE PROJECT AND WITHIN 60 DAYS OF INSTALLING THE IRRIGATION SYSTEM AND LANDSCAPE, A WATER USE EFFICIENCY REVIEW WILL BE CONDUCTED BY A LANDSCAPE IRRIGATION AUDITOR. THE AUDITOR SHALL BE INDEPENDENT OF THE CONTRACTOR, DESIGN FIRM, AND OWNER/DEVELOPER OF THE PROJECT. THE WATER PERFORMANCE AUDIT WILL VERIFY THAT THE IRRIGATION SYSTEM COMPLIES WITH THE MINIMUM STANDARDS REQUIRED BY SANDY CITY ORDINANCE. THE MINIMUM EFFICIENCY REQUIRED FOR THE IRRIGATION SYSTEM IS 60% FOR DISTRIBUTION EFFICIENCY FOR ALL FIXED SPRAY SYSTEMS AND 70% DISTRIBUTION EFFICIENCY FOR ALL ROTOR SYSTEMS. THE AUDITOR SHALL FURNISH A CERTIFICATE TO THE CITY, DESIGNER, INSTALLER AND OWNER/DEVELOPER CERTIFYING COMPLIANCE WITH THE MINIMUM DISTRIBUTION REQUIREMENTS. COMPLIANCE WITH THIS PROVISION IS REQUIRED BEFORE THE CITY WILL RELEASE THE BOND FOR THIS PROJECT.
32. MULCH: AFTER COMPLETION OF ALL PLANTING, ALL IRRIGATED NON-TURF AREAS SHALL BE COVERED WITH A MINIMUM LAYER OF FOUR (4) INCHES OF MULCH TO RETAIN WATER, INHIBIT WEED GROWTH AND MODERATE SOIL TEMPERATURE. NON-POROUS MATERIAL SHALL NOT BE PLACED UNDER THE MULCH. 4" MULCH IN ALL IRRIGATED NON-TURF AREAS. IF ROCK MULCH, MINIMUM IS 3".



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IRRIGATION NOTES AND DETAILS
149 EAST VINE STREET MURRAY, UTAH

DESIGNED BY
DAN C. MATTIA
No. 106248
1/31/23

PROJECT PROFESSIONAL: DCM
DESIGNER: DCM

SHEET:
IR-2
FILE NAME: FDG-283
SCALE: N.A.