



HIDEOUT, UTAH TOWN COUNCIL REGULAR MEETING AND PUBLIC HEARING

May 13, 2021

AMENDED AGENDA

PUBLIC NOTICE IS HEREBY GIVEN that the Town Council of Hideout, Utah will hold its Regular Meeting and Public Hearing electronically for the purposes and at the times as described below on Thursday, May 13, 2021.

This meeting will be an electronic meeting without an anchor location pursuant to Mayor Rubin's May 7, 2021 No Anchor Site Determination Letter (attached).

All public meetings are available via ZOOM conference call and YouTube Live.

Interested parties may join by dialing in as follows:

Zoom Meeting URL: <https://zoom.us/j/4356594739> To join by telephone dial: US: +1 408 638 0986

Meeting ID: 435 659 4739

YouTube Live Channel: <https://www.youtube.com/channel/UCKdWnJad-WwvcAK75QjRb1w/>

6:00 PM

I. Call to Order

1. No Anchor Site Determination Letter

II. Roll Call

III. Closed Executive Session - Discussion of pending or reasonably imminent litigation, personnel matters, and/or sale or acquisition of real property as needed

6:45 PM

I. Call to Order

II. Roll Call

III. Approval of Council Minutes

1. March 11, 2021 Town Council Meeting Minutes DRAFT

2. March 25, 2021 Town Council Meeting Minutes DRAFT

IV. Public Input - Floor open for any attendee to speak on items not listed on the agenda

V. Public Hearing

1. Public Hearing, discussion and possible action on final approval of Deer Springs Phase 2A

2. Public Hearing, discussion and possible action on the final approval of Deer Springs Phase 2B

3. Public Hearing, discussion and possible action on the final approval of Shoreline Subdivision Phase 2A Amended

4. Public Hearing, discussion and possible action on the final approval of Shoreline Subdivision Phase 3

VI. Agenda Items

1. Notice of 2021 Municipal Election

2. Discussion of possible compensation for Mayor and Council Members

3. Discussion regarding rank-choice voting

4. Set a date and time for the Canvass Certification and Final Results of the June 22 Special Election

5. Presentation from the Infrastructure Committee on the Sanitary Sewer Master Plan, and Possible Adoption of the Plan by the Council

6. Discussion and possible action to adopt FY2022 Tentative Budget

7. Set a time and place for a Public Hearing on the Final Budget

8. Discussion and possible action to adopt Ordinance 2021-O-XX to amend Municipal Code 10.02.12 International Fire Code Adopted

9. Discussion and possible approval of Ordinance 2021-O-XX regarding noxious weed control and requiring posting of a weed abatement bond

10. Discussion and Possible adoption of Ordinance 2021-O-XX regarding dark skies

- [11.](#) Discussion and possible authorization of Resolution 2021-R-XX, Code Enforcement Officer, and appointment of Code Enforcement Officers
12. Appointment of Mayor Tempore for the dates of May 18 through June 4, 2021, and possible appointment of a permanent Mayor Tempore for dire emergencies
13. Discussion of Public Information Session next steps

VI. Meeting Adjournment

Pursuant to the Americans with Disabilities Act, individuals needing special accommodations during the meeting should notify the Mayor or Town Clerk at 435-659-4739 at least 24 hours prior to the meeting.

HIDEOUT TOWN COUNCIL

10860 N. Hideout Trail
Hideout, UT 84036
Phone: 435-659-4739
Posted 5/12/2021

File Attachments for Item:

1. No Anchor Site Determination Letter



May 7, 2021

DETERMINATION REGARDING CONDUCTING TOWN OF HIDEOUT PUBLIC MEETINGS
WITHOUT AN ANCHOR LOCATION

The Mayor of the Town of Hideout hereby determines that conducting a meeting with an anchor location presents a substantial risk to the health and safety of those who may be present at the anchor location pursuant to Utah Code section 52-4-207(5) and Hideout Town Ordinance 2020-03. The facts upon which this determination is based include: The seven-day rolling percent and number of positive COVID-19 cases in Utah has been over 6.48% of those tested since May 4, 2021. The seven-day average number of positive cases has been over 342 since May 5, 2021.

This meeting will not have a physical anchor location. All participants will connect remotely. All public meetings are available via YouTube Live Stream on the Hideout, Utah YouTube channel at: <https://www.youtube.com/channel/UCKdWnJad-WwvcAK75QjRb1w/>

Interested parties may join by dialing in as follows:

Meeting URL: <https://zoom.us/j/4356594739>

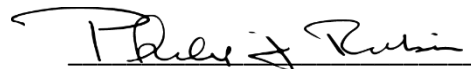
To join by telephone dial: US: +1 408-638-0986

Meeting ID: 4356594739

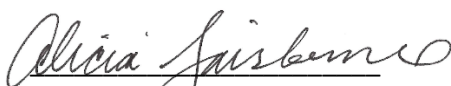
Additionally, comments may be emailed to hideoututah@hideoututah.gov. Emailed comments received prior to the scheduled meeting will be read during the public comment portion and entered into public record.

This determination will expire in 30 days on June 6, 2021.

BY:


Phil Rubin, Mayor

ATTEST:


Alicia Fairbourne, Town Clerk



File Attachments for Item:

1. March 11, 2021 Town Council Meeting Minutes DRAFT

Minutes
Town of Hideout
Town Council Regular Meeting
March 11, 2021

The Town Council of Hideout, Wasatch County, Utah met in Regular Meeting on March 11, 2021 at 6:00 pm electronically via Zoom meeting due to the ongoing COVID-19 pandemic.

Regular Meeting

I. Call to Order and Reading of Mayor Rubin's No Anchor Site Determination Letter

1. Mayor Rubin's No Anchor Site Determination Letter

Mayor Rubin called the meeting to order at 6:02 pm and read the no anchor site letter in its entirety.

II. Roll Call

Present:

Mayor Phil Rubin
 Council Member Chris Baier
 Council Member Jerry Dwinell
 Council Member Carol Haselton
 Council Member Bob Nadelberg
 Council Member Ralph Severini

Staff Present:

Town Administrator Jan McCosh
 Town Attorney Polly McLean
 Town Planner Thomas Eddington
 Town Engineers Ryan Taylor and Dillon Bliler
 Public Works Director Kent Cuillard
 Town Clerk Alicia Fairbourne

Others Present: Hideout Town Planning Commissioner Bruce Woelfle, David Sherwood, Jared Fields and others who may not have used their full or proper name when logging in electronically via Zoom.

III. Approval of Council Minutes

1. October 13, 2020 Town Council Meeting Minutes DRAFT

2. January 28, 2021 Town Council Meeting Minutes DRAFT

There were no corrections made to the meeting minutes.

Motion: Council Member Dwinell made a motion to approve the October 13, 2020 and January 28, 2021 Town Council meeting minutes. Council Member Haselton made the second. Voting Yea: Council Members Baier, Dwinell, Haselton, Nadelberg, and Severini. None opposed. Motion Passed.

1 **IV. Public Input - Floor open for any attendee to speak on items not listed on the agenda**

2 At 6:06 pm, Mayor Rubin opened the floor for public input.

3 David Sherwood, resident of Deer Waters, made a comment regarding the dump truck traffic on
4 Long View and Shoreline Drive between Ross Creek and through Deer Waters. He pointed out
5 few drivers of the dump trucks were following the posted 20 mile per hour speed limit. He stated
6 he asked the Wasatch County Sheriff's Office for additional enforcement; however, he had not
7 seen additional enforcement. His daughter had been run off the road by these dump trucks and
8 noted this was a not only a safety concern, but the road was also in need of repair due to the weight
9 of the trucks causing large potholes in the road. Mayor Rubin addressed Mr. Sherwood's concerns
10 and stated the construction developers had been notified to use the service road for the trucks. He
11 also noted the weight of the trucks were causing the potholes, and therefore, state police had been
12 contacted to bring scales in to weigh the trucks. Electronic speed signs had also been purchased in
13 order to capture speeding offenders.

14 There being no further public comment, Mayor Rubin closed the public input portion at 6:18 pm.

15 **V. Agenda Items**

16 **1. Discussion and consideration of approval of Ordinance 2021-XX regarding dark skies**

17 Mayor Rubin presented the Dark Skies Ordinance and thanked the Planning Commission for their
18 efforts and bringing a recommendation to the Town Council. He explained most of the language
19 was incorporated from the Dark Skies Organization which promoted dark sky practices across the
20 Nation. Each section of the Ordinance was reviewed, and Council was given the opportunity to
21 submit any questions or comments. Council Member Jerry Dwinell inquired if any lighting in the
22 Town was non-compliant and how that would be addressed. Town Planner Thomas Eddington
23 noted a three-year sunset clause on existing non-compliant lighting. Hideout Town Planning
24 Commissioner Bruce Woelfle stated once the Ordinance passed, the Town would apply for a Dark
25 Skies Certificate from the Organization. Town Administrator Jan McCosh noted the MIDA
26 (Military Installation Development Authority) development should be included in the coordination
27 due to the significant amount of light pollution anticipated from the MIDA ski resort. It was agreed
28 all surrounding areas should be encouraged to adopt a Dark Skies Ordinance and be included in
29 the coordination.

30 Enforcement of the lighting was discussed. Council Member Chris Baier noted special light-
31 reading equipment would need to be purchased for a Code Enforcement Officer to use.

- 32 • Section 10.16.02: Council Member Baier noted the Town's General Plan was focused on
33 the natural beauty of the land and suggested adding the purpose of the Dark Skies be
34 included, which would be to protect the ecology of flora and fauna by minimizing
35 disruption to wildlife habitat through overly lit areas.
- 36 • Section 10.16.02(4): Council Member Dwinell suggested adding language to explain the
37 reason for the bi-yearly educational events needed to be held for the Dark Skies
38 Certification.

- Section 10.16.04: Council Member Baier noted there was no definition of “unshielded” and asked for the definition be added.
- 10.16.06: Light trespass from interior lighting which negatively impacted adjacent properties was discussed. Town Attorney Polly McLean explained interior lighting was not typically regulated; however, if the interior lighting trespassed onto adjacent properties or became a nuisance, a citation may be issued.

Council agreed notice of the Ordinance should be presented to the community prior to passing the Ordinance to allow for questions and input. It was suggested a representative of the Dark Skies Organization be contacted and invited to a future council meeting in order to answer questions regarding the specifics of the Ordinance.

Council Member Baier recommended adding a section for standards of internally illuminated signs as well as addressing commercial lighting in anticipation of retail vendors within the Town. Council Member Baier, Mr. Eddington, and Commissioner Woelfle agreed to work together to add the suggested language and present a final draft to the Council at a future meeting. Mayor Rubin agreed to publicize the Ordinance to residents and seek public input.

2. Consideration of adopting Resolution 2021-XX amending the fee schedule to increase the charge for the installation of a single water meter to cover the cost of insulation and add a one-time retrofit charge to insulate the meters installed without insulation

Mayor Rubin presented a draft of the Resolution to amend the Fee and Rate Schedule. He explained several water meters had frozen and broke over the winter months due to the lack of insulation surrounding the meter. He explained single water meters which were not being used across multiple properties were more susceptible to freezing than the shared meters. He proposed an amendment to the Fee and Rate Schedule to add a \$35 (thirty-five dollar) charge for all new meters which were subject to freezing in order to add insulation, and add a one-time retrofit charge to the water bills for the units which were already installed.

Ms. McLean added the Resolution also included language which adopted the previously approved Impact Fees. Mayor Rubin asked for a motion to adopt the revised fee schedule.

Motion: Council Member Nadelberg moved to adopt the revised Town of Hideout Fee and Rate Schedule. Council Member Haselton made the second. Voting Yea: Council Members Baier, Dwinell, Haselton, Nadelberg, and Severini. None opposed. Motion carried.

3. Discussion and update regarding Deer Springs

Mayor Rubin provided an update on the Deer Springs phasing. It was decided by the developer to build the road through the Jordanelle Parkway versus building two dead-end roads and filling in the middle. The park, which was scheduled to be built during Phase 2, would need to be completed in the timeframe as previously approved. The MDA (Master Development Agreement) would be modified and brought forth to Council in a future meeting.

4. Discussion and update regarding Deer Waters

Mayor Rubin provided an update regarding Deer Waters and explained there were some adjustments to the through road which would be brought to Council. They were also renaming

some of the Phases from Phase 2 and 2A, to Phase 3 and 4. Mayor Rubin also brought to Council's attention the original approval was approved over three years prior and would need to be reapproved through Council per Town Code. Council Member Dwinell recalled the Planning Commission had changed some units and building styles in the subdivision to provide a mix of some larger and some smaller properties. Mr. Eddington noted a density reduction was required as well.

Council Member Dwinell inquired if Shoreline Phase 3 was subject to a reapproval as well. It was noted Shoreline did not receive a final approval, whereas Deer Waters received an approval of the final subdivision. Ms. McLean noted each subdivision was subject to their own MDA, and therefore, each should be reviewed individually.

VI. Closed Executive Session - Discussion of pending or reasonably imminent litigation, personnel matters, and/or sale or acquisition of real property as needed

There being no further public business, Mayor Rubin asked for a motion to close the public portion of the meeting in order to hold a closed Executive Session.

Motion: Council Member Dwinell moved to close the public meeting and proceed in a Closed Executive Session to discuss pending or reasonably imminent litigation, personnel matters, and/or sale or acquisition of real property as needed. Council Member Nadelberg made the second. Voting Yea: Council Members Baier, Dwinell, Haselton, Nadelberg, and Severini. None opposed.

At 7:48 pm, the public session was adjourned.

After a short recess, the closed Executive Session convened at 7:59 pm.

Present: Mayor Phil Rubin
Council Member Chris Baier
Council Member Jerry Dwinell
Council Member Carol Haselton
Council Member Bob Nadelberg
Council Member Ralph Severini

Staff Present: Town Attorney Polly McLean
Summit County Litigation Attorney Rob Mansfield

VII. Meeting Adjournment

At 8:22 pm, Mayor Rubin asked for a motion to move into public session and adjourn the meeting.

Motion: Council Member Severini moved to adjourn the meeting. Council Member Haselton made the second. Voting Yea: Council Members Baier, Dwinell, Haselton, Nadelberg, and Severini. None opposed.

The meeting adjourned at 8:22 pm.

Alicia Fairbourne, Town Clerk

File Attachments for Item:

2. March 25, 2021 Town Council Meeting Minutes DRAFT

Minutes
Town of Hideout
Town Council - Special Meeting
March 25, 2021

The Town Council of Hideout, Wasatch County, Utah met in a Special Meeting on March 25, 2021 at 6:00 pm electronically via Zoom due to the ongoing COVID-19 pandemic.

Regular Meeting

I. Call to Order and Reading of Mayor Rubin's No Anchor Site Determination Letter

1. Mayor Rubin's No Anchor Site Determination Letter

Mayor Rubin called the meeting to order at 6:06 pm and asked Town Attorney Polly McLean to read the No Anchor Site Determination Letter in its entirety.

II. Roll Call

Present: Mayor Phil Rubin
 Council Member Chris Baier
 Council Member Jerry Dwinell
 Council Member Carol Haselton
 Council Member Bob Nadelberg
 Council Member Ralph Severini

Staff Present: Town Administrator Jan McCosh
 Town Attorney Polly McLean
 Town Planner Thomas Eddington
 Public Works Director Kent Cuillard
 Town Clerk Alicia Fairbourne

Others Present: Jack Walkenhorst, Brian Amerige and others who may not have used their full or proper name when logging in electronically via Zoom.

III. Approval of Council Minutes

1. October 14, 2020 Town Council Minutes DRAFT

There were no corrections to the meeting minutes.

Motion: Council Member Haselton moved to approve the October 14, 2020 Town Council meeting minutes. Council Member Dwinell made the second. Voting Yea: Council Members Baier, Dwinell, Haselton, Nadelberg and Severini. None opposed. Motion carried.

IV. Agenda Items

1. **Review and consider authorizing the Mayor to enter into Agreements for four technical studies associated with the Silver Meadows Annexation specifically for financial feasibility, traffic, environmental and chair lift feasibility**

Mayor Rubin reminded Council when the AMDA (Annexation Master Development Agreement) was approved for the Silver Meadows annexation, studies were to be conducted to address several areas of concern. These studies included financial, traffic, environmental and the possibility of a chair lift.

Because each of these studies exceeded a \$10,000 (ten thousand dollar) bid, per Hideout Town Code, Council must review and give approval for the Mayor to enter into an agreement with the contractors. Mayor Rubin reminded Council although each of these studies were commissioned by the Town, the cost would be reimbursed by the developer as per the AMDA.

Mayor Rubin explained to Council if they had comments or questions on any of the proposals, he would accept individual comments until March 31, 2021. Any comments or questions submitted by Council could be incorporated into the proposals and submitted to the contractors.

Council Member Severini inquired if a timeframe for completion was addressed with the contractors. Mayor Rubin agreed a response time of six weeks from the date of submission should be included.

Ms. McLean clarified a committee had been established, which reviewed the bids and had recommended the winning bids for contract to move forward with the studies. She noted the Special Referendum Election was June 22, 2021, and the results of these studies should be available for voters to review so Council had to act quickly in order to complete the studies prior to the Election.

Mayor Rubin asked for a motion to enter an agreement for the four technical studies as follows, not to exceed 15 (fifteen) percent of each bid's cost proposal:

- **Financial Study:** Zions Bank
- **Traffic Study:** Fehr & Peers
- **Environmental Study:** Geosyntec
- **Chair Lift Study:** SE Group

Motion: Council Member Baier moved to authorize the Mayor to enter into an agreement for the four technical studies as stated above, not to exceed fifteen percent of each bid's cost proposal. Council Member Dwinell made the second. Voting Yea: Council Members Baier, Dwinell, Haselton, Nadelberg and Severini. None opposed. Motion carried.

V. **Closed Executive Session - Discussion of pending or reasonably imminent litigation, personnel matters, and/or sale or acquisition of real property as needed**

There being no further public business, Mayor Rubin asked for a motion to close the public portion of the meeting in order to hold a closed Executive Session.

Motion: Council Member Dwinell moved to close the public meeting and proceed in a Closed Executive Session to discuss pending or reasonably imminent litigation, personnel matters, and/or sale or acquisition of real property as needed. Council Member Nadelberg made the second. Voting Yea: Council Members Baier, Dwinell, Haselton, Nadelberg, and Severini. None opposed.

At 6:31 pm, the public session was adjourned.

After a short recess, the closed Executive Session convened at 6:35 pm.

Present: Mayor Phil Rubin
Council Member Chris Baier
Council Member Jerry Dwinell
Council Member Carol Haselton
Council Member Bob Nadelberg
Council Member Ralph Severini

Staff Present: Town Attorney Polly McLean

VI. Meeting Adjournment

At 6:45 pm, Mayor Rubin asked for a motion to move into public session and adjourn the meeting.

Motion: Council Member Nadelberg moved to adjourn the meeting. Council Member Haselton made the second. Voting Yea: Council Members Baier, Dwinell, Haselton, Nadelberg, and Severini. None opposed.

The meeting adjourned at 6:45 pm.

Alicia Fairbourne, Town Clerk

File Attachments for Item:

1. Public Hearing, discussion and possible action on final approval of Deer Springs Phase 2A



Staff Review of Plan Submittal

To: Town Council & Mayor Rubin
Town of Hideout

From: Thomas Eddington Jr., AICP, ASLA
Town Planner

Re: Deer Springs – Revised Phases 2 & 3 (and partial 4) Plan Review (Renamed Phases 2A and 2B)

Date: May 10, 2021

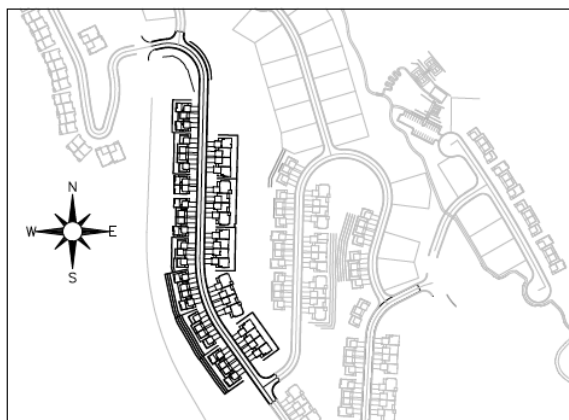
Submittals: The Applicant submitted the following plans:

- Phase 2A - Construction Plans and Subdivision Plat dated May 10, 2021
- Phase 2B - Construction Plans and Subdivision Plat dated May 10, 2021

We have completed an updated review of the Deer Springs Phases 2A & 2B Preliminary design plans and have the following review notes based on the current submission:

Phases 2 & 3

Phase 2A



VICINITY MAP

Phase 2B



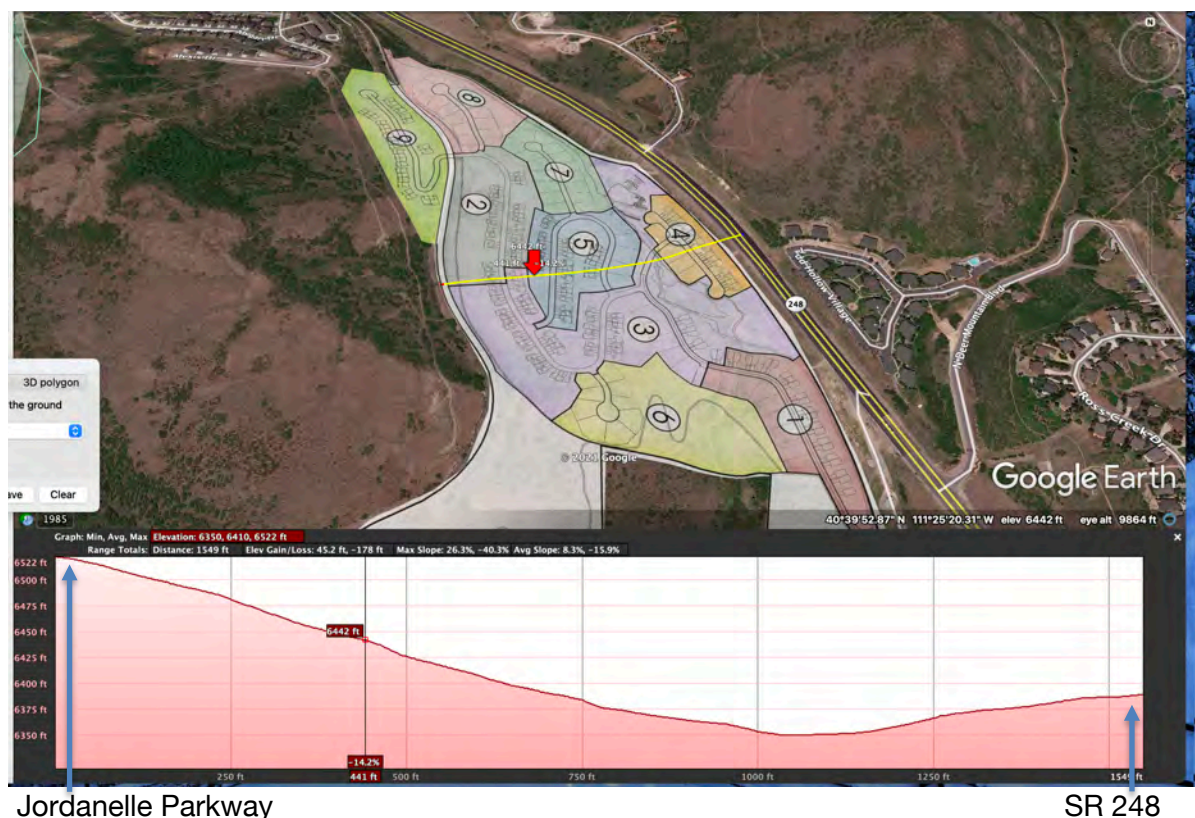
KEY MAP



Revisions Since the January 2021 Planning Commission Meeting:

1. The Applicant has worked closely with staff since these phases were last submitted to the Planning Commission for review and input. Based upon the number and height of the proposed retaining walls and the road grades as proposed, Staff recommended a redesign (concept plan was included in the February 24, 2021 Planning Commission Staff Report).
 - a. The Applicant worked with staff to eliminate the massive retaining walls that were part of the initial submittal. One series of terraced retaining walls exceeded a height of 60'-0". At time of writing this staff report, the final heights of the newly proposed retaining walls were not available; however, the Applicant will present their newly configured plans and point out all substantive changes.
 - b. The following images reflect the 'before' and 'after' conditions based upon changes made by the Applicant. These will be explained in detail at a presentation by the Applicant at the Planning Commission meeting.

Full Site and Phasing Plan for Deer Spring (and Google Earth's Elevation Diagram – Slope from Jordanelle Parkway to SR 248)





Original Proposal



Revised Proposal

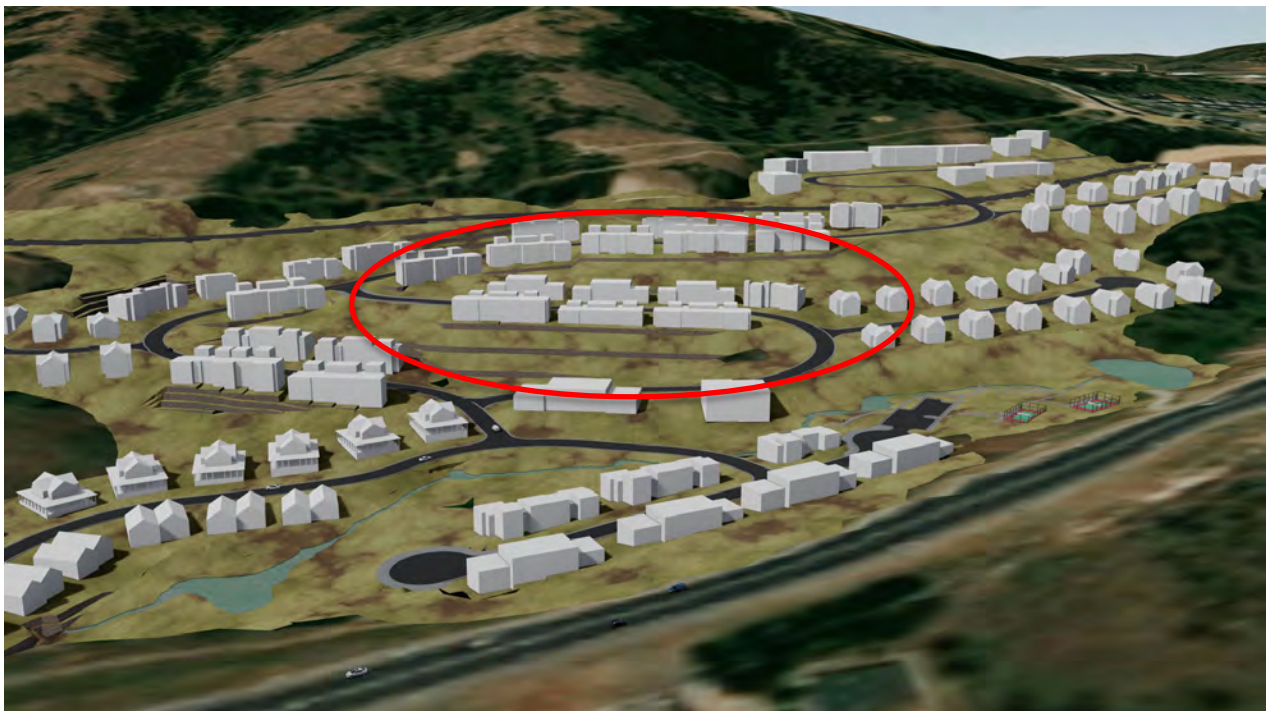




Original Proposal



Revised Proposal





Outstanding Issues / Conditional Items:

1. The Master Development Agreement (MDA) must be amended to reflect the new phasing plan prior to recordation of any plats.
2. Park and Open Space: The Applicant must provide a signed commitment to begin construction of the proposed park and open space amenities as per the Master Development Agreement (MDA) – Section 7.6 and pp. 90 – 92. The MDA requires the park to be completed prior to the issuance of any Certificates of Occupancy for the originally proposed Phase 2.
 - a. The Applicant agreed to amend the MDA and construct the park simultaneously with Phase 3 and to be completed before any sales of Phase 3 units.
3. Trails: Proposed trails (and surface type) to be completed as part of Phase 2A and 2B should be included on the construction plan set and noted on the proposed subdivision with an easement to allow public use for pedestrians and bikes.
4. Streetscape amenities; lighting, signage, etc. should be provided.
5. Road Widths: The asphalt shall be 26'-0" wide plus curb and gutter; per recent recommendations by the Town Planner and Engineer, a paved bike lane should be incorporated into all new rights-of-way construction.
6. Phase 2A - Confirmation of Total Units and Type: The Applicant proposes **50 units** as part of this Phase 2 – all units are proposed to be constructed as a combination of 4-plexes, 3-plexes and 2-plexes (townhouses).
7. Phase 2B - Confirmation of Total Units and Type: The Applicant proposes **24 units** as part of this Phase 2 – all units are proposed to be constructed as 4-plexes (staff to work with the Applicant to assess possible 3-plexes and 2-plexes (townhouses)).
8. Per the Planning Commission's recommendations, the Applicant has eliminated some four-plex units and created a few duplex and triplex units in Phase 2A to create additional variation in neighborhood character. There are only four-plex units proposed for Phase 2B. The Applicant shall work with the Town Planner and Town Engineer to further reduce the number of four-plex units and increase the number of duplexes and triplexes. The Applicant shall also work with the Town Engineer and Town Planner to increase horizontal and vertical articulation (FFL grade variation) and a minimum of 4'-0" horizontal step backs should be incorporated for each individual unit whether part of a duplex, triplex or four-plex.



Next Phase w/Park (Phase 3)

1. The proposed amenities for the park have not been provided and should be included in the construction plan set. The Applicant must work with the Town Planner to finalize this park area. The following list includes the amenities approved and agreed upon per the Master Development Agreement (MDA):
 - a. Pickleball Courts
 - Standard size pickleball courts. Courts will be fenced around the perimeter with a black coated steel fence.
 - b. Gazebo
 - Gazebo will be a minimum of 24' x 36' with five picnic tables, two barbecues, and a concrete floor.
 - c. Playground
 - Playground is sold by Playground Depot. It is called Green Ivy II. The ground under the playground equipment will either be engineered with wood products or rubber tiles. There will be six benches around the perimeter of playground.
 - d. Open Space
 - All open spaces will be sod.
 - e. Amphitheater
 - The plans for the amphitheater will be turned into engineering prior to construction.
 - f. Trails
2. The Applicant shall also provide detailed construction drawings for the park including the amenities outlined above as well as the driveway, parking lot, walkways, etc. A full landscape plan is required as well; including screening from SR 248.



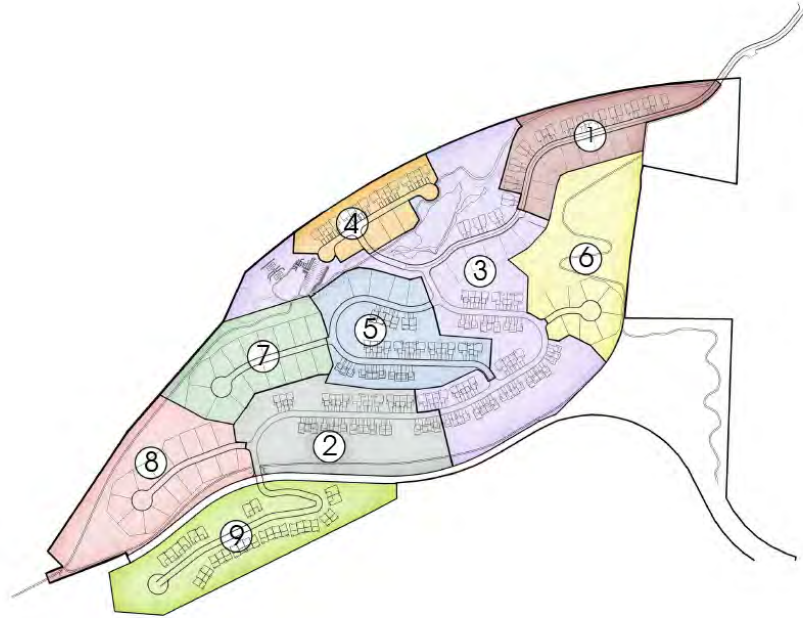


All Subdivisions - Layout per Master Development Agreement (MDA)

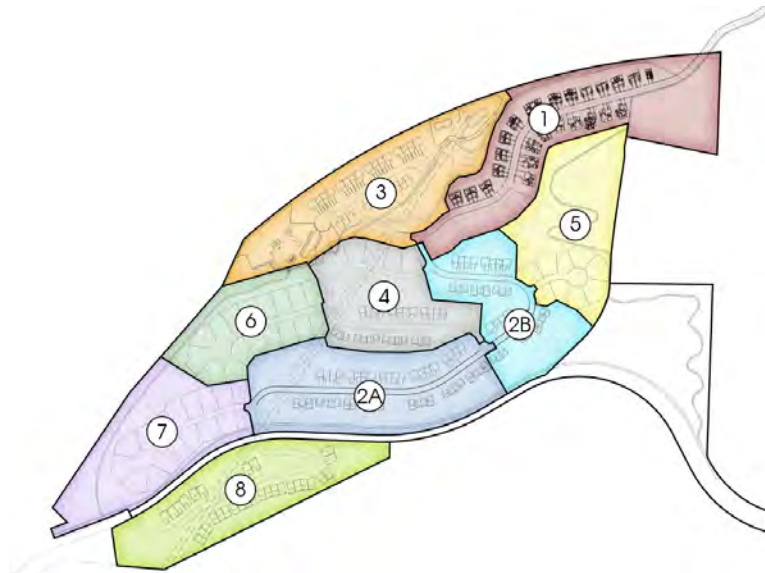




All Subdivisions - Prior Phasing Plan



All Subdivisions - Layout per the Most Recent Phasing Plan



[illegible]

DRAFT Ordinance 21-XX

**AN ORDINANCE APPROVING THE DEER SPRINGS
PHASES 2A and 2B SUBDIVISIONS,
LOCATED IN HIDEOUT, UTAH**

WHEREAS, owners of the property known as Deer Springs Subdivision, located in Hideout, Utah, have petitioned the Town Council for approval of final subdivision plats; and

WHEREAS, legal notice of the public hearing was published in the Park Record on February 6, 2021 and March 6, 2021 and on the Utah Public Notice website on February 6, 2021 and March 6, 2021 according to the requirements of the Hideout Municipal Code; and

WHEREAS, the Planning Commission held a public hearing on April 28, 2021 to receive input on the proposed subdivision plats; and

WHEREAS, the Planning Commission, on April 28th conducted a public hearing and forwarded a positive recommendation to the Town Council; and

WHEREAS, on May 13, 2021 Town Council held a public hearing on the subdivision plats; and

WHEREAS, it is in the best interest of Hideout, Utah to approve the Deer Springs Phase 2A & Deer Springs Phase 2B Subdivision plat in that these subdivision plats are intended to comply with the Hideout Municipal Code, the 2018 Master Development Agreement (MDA), and the Technical Reports prepared by the Town Staff as well as all other recorded agreements.

NOW, THEREFORE BE IT ORDAINED by the Town Council of Hideout, Utah as follows:

SECTION 1. APPROVAL. The above recitals are hereby incorporated as findings of fact. The subdivision plats as shown in Exhibits A and B are approved subject to the following findings of fact, conclusions of law, and conditions of approval:

Findings of Fact

1. The Phase 2A and 2B plats, as currently presented, are a reconfiguration/renaming of Deer Springs Phase 2 and Phase 3 subdivisions (per the overall Phasing Plan dated 29 April 2020).
2. The property is located within the Town of Hideout along Belaview Drive.
3. For Phase 2A, the total plat area is approximately 8.669 acres and includes 50 lots.
4. For Phase 2B, the total plat area is approximately 5.708 acres and includes 24 lots.
5. The total number of units for both phases was reduced from 77 units to 70 units; a reduction of seven (7) units for Phase 2A and 2B.
6. The Applicant worked with Town Staff to reconfigure the layout and eliminate the majority of the retaining walls.
7. Zoning for the property is Mountain Residential (MR).
8. The Town of Hideout entered into a Master Development Agreement (MDA) with the developer on July 12, 2018. The MDA has an allowance for up to 248 units.
9. All existing and required easements will be shown on the plat prior to recordation, including utilities, storm drainage, access, trails, snow storage, etc.

10. No changes are proposed to the existing road alignment or uses associated with this plat.
11. The final plats are required to be approved and signed by the Jordanelle Special Services District prior to recordation to ensure that requirements of the District are addressed.
12. Each Phase will have a separate final subdivision plat associated with it.

Conclusions of Law

1. The subdivision plats, as conditioned, comply with Hideout Municipal Code, Title 12 and the 2017 Master Development Agreement.
2. The subdivision plats, as conditioned, are consistent with the applicable State law regarding subdivision plats.
3. Neither the public nor any person will be materially injured as a result of approval of the proposed subdivision plat as conditioned.
4. Approval of the subdivision plat, subject to the conditions stated herein, will not adversely affect the health, safety and welfare of the citizens of Hideout.
5. If the Applicant requests an extension for the subdivision plats, the Hideout Municipal Code requires that these submittals "satisfy[ies] any new Town requirements pertaining to the public health, safety and welfare"

Conditions of Approval

1. The Master Development Agreement (MDA) must be amended to reflect the new phasing plan prior to recordation of any plats.
2. The Town Attorney, Town Planner and Town Engineer will review and approve the final form and content of the subdivision plat for compliance with State law, the Hideout Municipal Code, the Master Development Agreement and these conditions of approval, prior to recordation of the plat.
3. The applicant will record the plat at Wasatch County within six (6) months from the date of Town Council approval. If recordation has not occurred within six (6) months' time, this approval for the plat will be void unless a written request for an extension is submitted to the Town prior to the expiration date and the Town Council grants an extension.
4. Non-exclusive public utility easements shall be indicated on the plats prior to recordation as approved by the Town Engineer and JSSD and consistent with the utility plan, including drainage easements. All existing and required easements, based on review by the Town Engineer and JSSD will be shown and recorded on the plat, including utilities, storm drainage, access (public, utility and emergency), snow storage, trails and trailhead parking, etc. All existing recorded easements and agreements shall be referenced on the plats, including entry number, book and page.
5. A financial guarantee, in a form and amount acceptable to the Town and in conformance with these conditions of approvals, for the value of any required public improvements, such as water, sewer, landscaping, fire hydrants, etc. shall be provided to the Town prior to building permit issuance for new construction. All public improvements shall be completed according to Town standards prior to release of this guarantee. An additional ten (10) percent of the public improvement value shall be held by the Town for the warranty period and until such improvements are accepted by the Town.
6. The Applicant shall provide a complete set of updated construction plans, and address all engineering and planning comments prior to approval
7. The Applicant shall provide an updated plat, and address all comments from planning, engineering, and legal
8. The Applicant agrees to complete subdivision construction permit, pay all required fees and post all required bonds before starting construction.

9. All approved public trails, consistent with the Master Development Agreement and the Parks Open Space & Trails (POST) Plan, shall be shown on the plats.
10. The recorded plat shall include, but is not limited to, the following plat notes:
 - a. These plats are subject to the conditions of approval in Ordinance 2021-xx.
 - b. Utility structures such as ground sleeves and transformers and other dry utility boxes must be located on the lots and not within public right of way.
 - c. A fire protection and emergency access plan shall be submitted and approved by the Wasatch County Fire District prior to the issuance of any building permits.
 - d. The property is located within a water source protection zone. All sewer construction must comply with State of Utah drinking water regulations.
 - e. This development is part of a common plan development and a MS4 storm water permit is required for all land disturbance activities for each separate phase of construction, prior to building permit issuance.
 - f. Existing public trails are agreed, by the recording of this plat, to be within ten (10') foot public trail easements and are subject to reasonable relocation by the Owner subject to Town Planner approval.
11. The Applicant agreed to meet the current Town Code requirements (26'-0" of asphalt plus curb and gutter) for road construction; and a paved bike lane shall be incorporated into all new streets per Town code.
12. The Applicant will work with the Town Planner and Town Engineer to incorporate an appropriate amount of visitor parking throughout each Phase of the proposed subdivision.
13. The construction plan set should be updated to include all retaining wall locations and sizes (including top of wall/TW and bottom of wall/BW elevation points).
 - a. The Applicant shall adhere to the Town's code and provide a detailed retaining wall plan set that must be approved by the Town Planner and Town Engineer.
 - b. A structural analysis of these walls must be provided once a final retaining wall plan is accepted by the Town Planner and Town Engineer.
 - c. A section of a typical tiered wall must be provided including materials, planting in the horizontal breaks, etc.
14. AGECE's concerns and comments must be addressed and adequately resolved regarding the landslide deposits in the area of Phases 2-4. Approval is dependent on the development being considered safe from a geological hazard perspective.
15. AGECE's concerns and comments must review and approve an updated retaining wall design report. Where applicable and pertinent to the updated plans, AGECE's most recent comment letter must also be addressed.
16. Per the Planning Commission's recommendations, the Applicant has eliminated some four-plex units and created a few duplex and triplex units in Phase 2A to create additional variation in neighborhood character. There are only four-plex units proposed for Phase 2B. The Applicant shall work with the Town Planner and Town Engineer to further reduce the number of four-plex units and increase the number of duplexes and triplexes. The Applicant shall also work with the Town Engineer and Town Planner to increase horizontal and vertical articulation (FFL grade variation) and a minimum of 4'-0" horizontal step backs should be incorporated for each individual unit whether part of a duplex, triplex or four-plex.
17. Park/Playground: The Applicant agrees to amend the MDA and construct the park simultaneously with subsequent Phase 3 and to be completed before any sales of Phase 3 units.
18. The proposed amenities and detailed site design for the park have not been provided and shall be included in the construction plan set. The final design must be approved by the Planning Commission. At minimum, this park shall be 3.5 acres in size and include:

- i. A gazebo, approximately 20 x 20 feet in size, with stone columns and cedar shingle roof;
 - ii. A playground;
 - iii. Two (2) pickleball courts;
 - iv. Sidewalks;
 - v. Six (6) benches;
 - vi. Open lawn for play;
 - vii. Appropriate trees and shrubs; and
 - viii. A small parking lot is also provided for convenience.
 - b. In order to accommodate the needs of dogs and their owners and to avoid infringing on the rights and contentment of others, a 1.3-acre dog park will be provided. There will separate areas for large and small dogs. The park will include:
 - i. Fencing: black vinyl-coated chain link fence, 4 feet in height
 - ii. A total of eight (8) benches;
 - iii. Waste stations; and
 - iv. Lawn and trees.
 - c. Dripline irrigation for the trees and shrubs must be incorporated into the landscape.
 - d. No fencing is proposed or approved. No chain link fencing is permitted around the park.
 - e. The street lights must be dark-sky compliant fixtures.
 - f. A detailed plan of the park and amenities must be provided for review and approval by the Town Planner.
 - g. The above items must be reviewed and approved by the Town Planner prior to implementation.
19. Snow storage areas must be delineated on the plats.
 20. Trails: Proposed trails (and surface type) to be completed as part of Phases 2A and 2B shall be included on the construction plan set and noted on the proposed subdivision with an easement to allow public use for pedestrians and bikes.
 21. Streetscape amenities; lighting, signage, etc. shall be provided – construction details, sign type (if proposed), and materials/colors.
 22. A Landscape Plan shall be provided for all of Phases 2A and 2B (and the park area) prior to commencement of any construction (and prior to issuance of any Building Permits) on any subsequent phases. This plan shall include street trees, common area and yard landscaping, entry features, and slope stabilization plantings where necessary – slopes greater than 50%. This plan must be approved by the Town Planner.
 23. The Applicant shall submit a Construction Mitigation Plan (CMP) that will be approved by the Town Planner and Town Engineer.
 24. A subdivision construction permit, improvement agreement, and all fees and bonds will be required prior to any construction.
 25. The final plats (mylar) is subject to review may require additional notes and corrections.
 26. Recording of the subdivision will require a performance bond in accordance with current Town code, or formal acceptance of all improvements prior to recordation.
 27. Resolve ACOE and DEQ concerns regarding damage to wetlands and contamination of the waterway in phase 1 prior to approval
 28. Restore the JSSD lift station emergency pond prior to acceptance of any additional phases.

The exact language of the plat notes shall be finalized by the Town Attorney, Town Planner and Town Engineer as necessary to implement these conditions of approval and applicable provisions of the Hideout Municipal Code or State Code prior to Mylar signatures by the Town.

SECTION 2. EFFECTIVE DATE. This Ordinance shall take effect upon publication.

PASSED AND ADOPTED this XXth day of XX, 2021

TOWN OF HIDEOUT

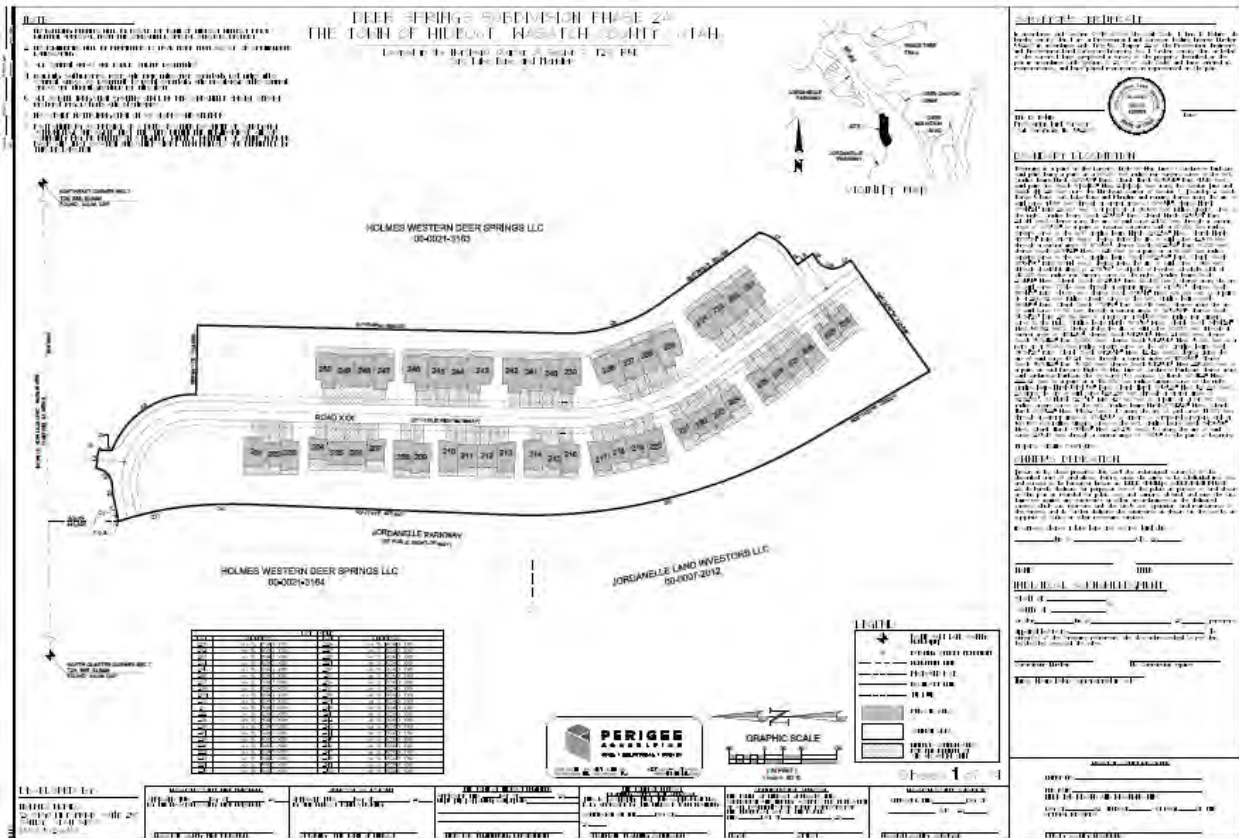
Phil Rubin, Mayor

ATTEST:

Alicia Fairbourne, Town Recorder

Exhibit

Exhibit A – Proposed subdivision plat for Deer Springs Phase 2A



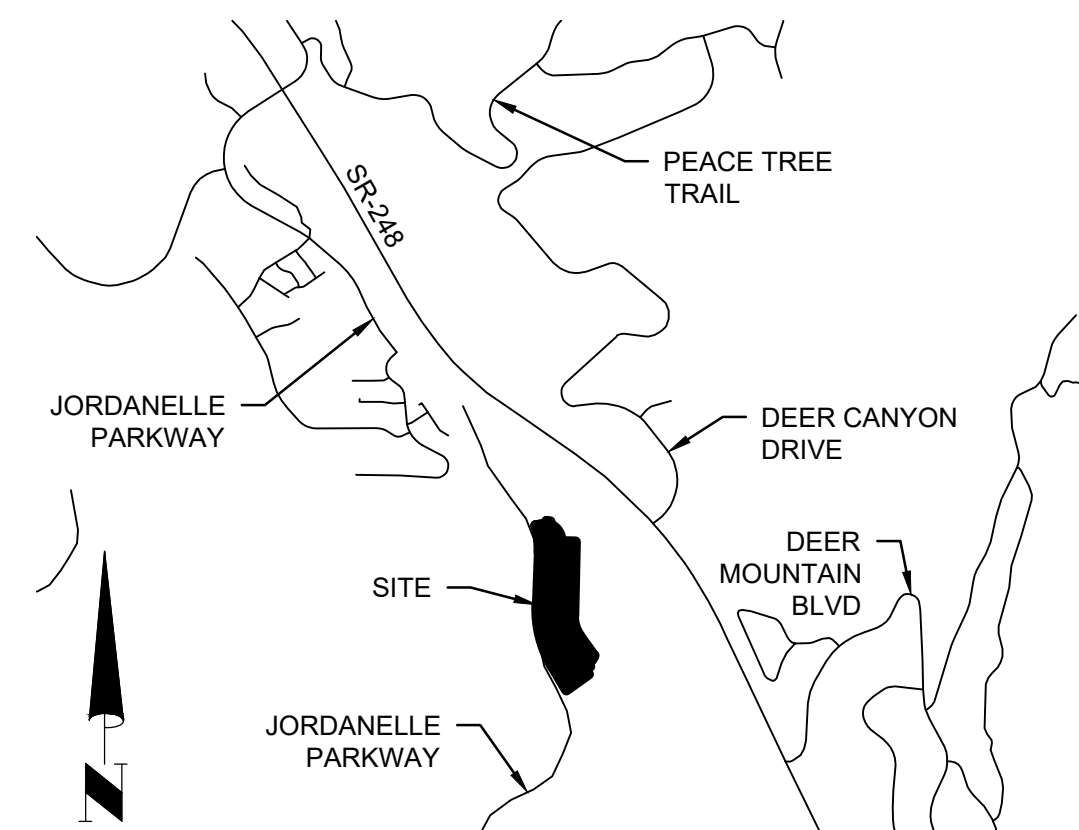
NOTE:

1. NO BUILDING PERMITS WILL BE ISSUED BY TOWN OF HIDEOUT WITHOUT PRIOR WRITTEN APPROVAL FROM THE JORDANELLE SPECIAL SERVICES DISTRICT.
2. NO TOWNHOMES WILL BE PERMITTED TO HAVE MORE THAN 360 S.F. OF SPRINKLERED LANDSCAPING.
3. ALL COMMON AREAS ARE PUBLIC UTILITY EASEMENTS
4. BUILDING CANTILEVERS, ROOF AND DRIP LINES MAY OVERHANG LOT LINES INTO COMMON AREAS. AS EASEMENT TO BOTH OVERHANG AND DISCHARGE ONTO COMMON AREAS ARE HEREIN GRANTED BY THIS NOTE.
5. ALL OUTSIDE IRRIGATION SYSTEMS SHALL BE PER JORDANELLE SPECIAL SERVICE DISTRICT REGULATIONS AND STANDARDS.
6. NO OUTSIDE WATER IRRIGATION ON 30% SLOPES AND STEEPER.
7. EACH OWNER BY ACCEPTANCE OF A DEED OR OTHER DOCUMENT OF CONVEYANCE ACKNOWLEDGE AND AGREE THAT THE UNITS WITHIN THE NEIGHBORHOOD AND/OR COMMUNITY MAY BE RENTED ON A NIGHTLY, WEEKLY, MONTHLY OR OTHER PERIODIC BASIS AND THAT VACATION AND OTHER SHORT TERM RENTALS ARE PERMITTED BY THIS DECLARATION

DEER SPRINGS SUBDIVISION PHASE 2A

THE TOWN OF HIDEOUT, WASATCH COUNTY, UTAH

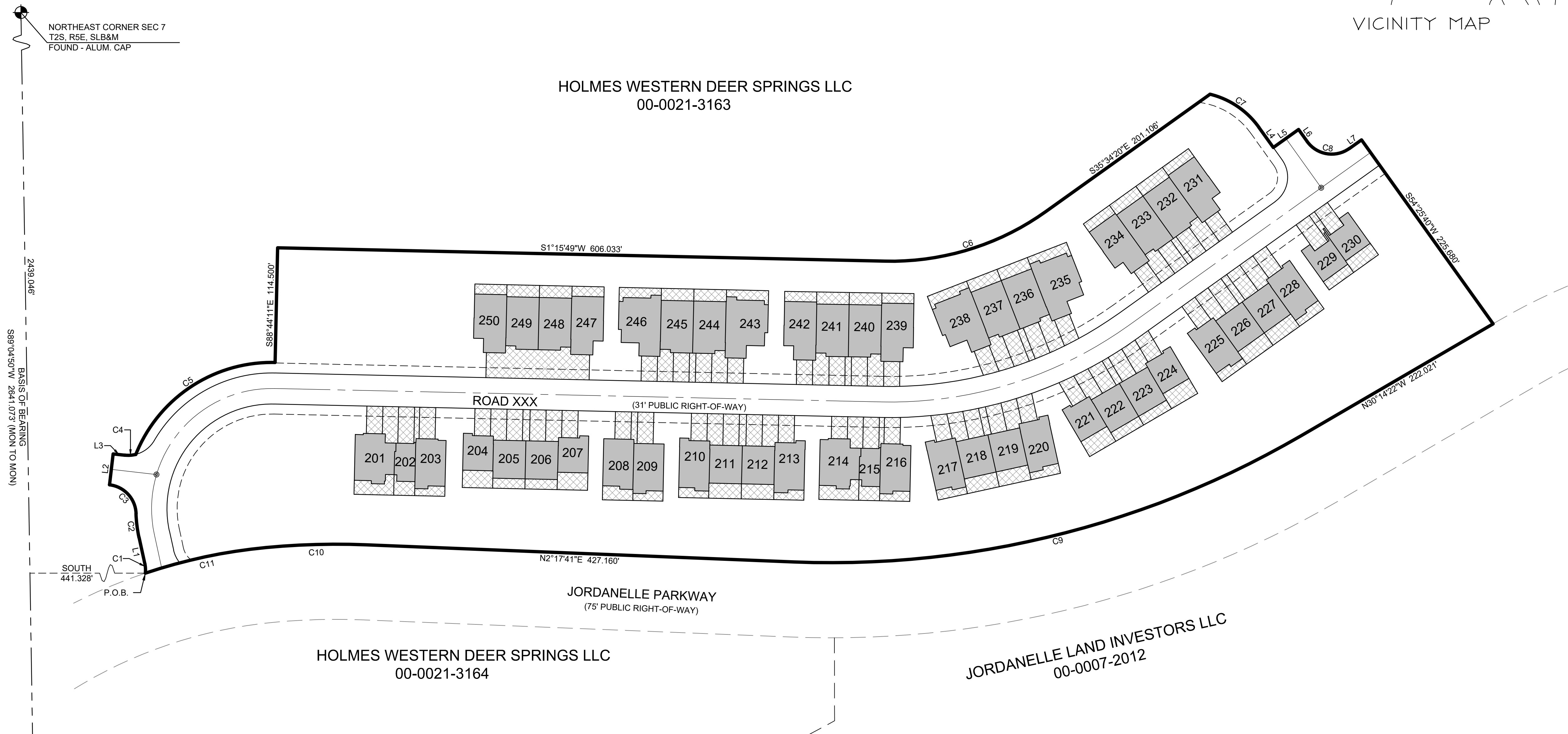
Located in the Northeast Quarter of Section 7, T2S, R5E,
Salt Lake Base and Meridian



VICINITY MAP

NORTHEAST CORNER SEC 7
T2S, R5E, SLB&M
FOUND - ALUM. CAP

HOLMES WESTERN DEER SPRINGS LLC
00-0021-3163

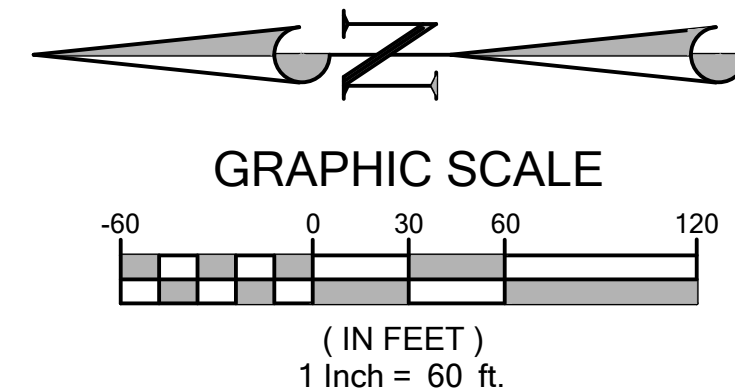


HOLMES WESTERN DEER SPRINGS LLC
00-0021-3164

JORDANELLE LAND INVESTORS LLC
00-0007-2012

NORTH QUARTER CORNER SEC 7
T2S, R5E, SLB&M
FOUND - ALUM. CAP

| LOT TABLE | | | |
|-----------|----------------|-----|----------------|
| LOT | ADDRESS | LOT | ADDRESS |
| 201 | xx S. ROAD XXX | 226 | xx S. ROAD XXX |
| 202 | xx S. ROAD XXX | 227 | xx S. ROAD XXX |
| 203 | xx S. ROAD XXX | 228 | xx S. ROAD XXX |
| 204 | xx S. ROAD XXX | 229 | xx S. ROAD XXX |
| 205 | xx S. ROAD XXX | 230 | xx S. ROAD XXX |
| 206 | xx S. ROAD XXX | 231 | xx S. ROAD XXX |
| 207 | xx S. ROAD XXX | 236 | xx S. ROAD XXX |
| 208 | xx S. ROAD XXX | 237 | xx S. ROAD XXX |
| 209 | xx S. ROAD XXX | 238 | xx S. ROAD XXX |
| 210 | xx S. ROAD XXX | 239 | xx S. ROAD XXX |
| 211 | xx S. ROAD XXX | 240 | xx S. ROAD XXX |
| 212 | xx S. ROAD XXX | 241 | xx S. ROAD XXX |
| 213 | xx S. ROAD XXX | 242 | xx S. ROAD XXX |
| 218 | xx S. ROAD XXX | 243 | xx S. ROAD XXX |
| 219 | xx S. ROAD XXX | 244 | xx S. ROAD XXX |
| 220 | xx S. ROAD XXX | 245 | xx S. ROAD XXX |
| 221 | xx S. ROAD XXX | 246 | xx S. ROAD XXX |
| 222 | xx S. ROAD XXX | 247 | xx S. ROAD XXX |
| 223 | xx S. ROAD XXX | 248 | xx S. ROAD XXX |
| 224 | xx S. ROAD XXX | 249 | xx S. ROAD XXX |
| 225 | xx S. ROAD XXX | 250 | xx S. ROAD XXX |



LEGEND

| | |
|--|--|
| | FOUND SALT LAKE COUNTY MONUMENT |
| | EXISTING STREET MONUMENT |
| | MONUMENT LINE |
| | PROPOSED P.U.E. |
| | BOUNDARY LINE |
| | TIE LINE |
| | PRIVATE AREA |
| | COMMON AREA |
| | LIMITED-COMMON AREA FOR THE BENEFIT OF THE ADJACENT UNIT |

Sheet 1 of 4

DEVELOPED BY:

HOLMES HOMES
126 SEGO LILY DRIVE, SUITE 250
SANDY, UTAH 84070
(801) 572-6363

WASATCH COUNTY FIRE MARSHALL

APPROVED THIS _____ DAY OF _____, 20____
BY THE WASATCH COUNTY FIRE MARSHALL

WASATCH COUNTY FIRE MARSHALL

APPROVAL AS TO FORM

APPROVED THIS _____ DAY OF _____, 20____
BY THE HIDEOUT TOWN ATTORNEY

ATTORNEY, THE TOWN OF HIDEOUT

THE TOWN OF HIDEOUT ENGINEER

APPROVED THIS _____ DAY OF _____, 20____
WITH THE FOLLOWING CONDITIONS

DIRECTOR, ENGINEERING DEPARTMENT

THE TOWN OF HIDEOUT PLANNING COMMISSION APPROVAL

THIS IS TO CERTIFY THAT THIS SUBDIVISION HAS
DULY APPROVED BY THE HIDEOUT TOWN PLANNING

COMMISSION ON THE _____ DAY OF _____, 20____

CHAIRMAN, PLANNING COMMISSION

ADMINISTRATIVE APPROVAL

THE TOWN OF HIDEOUT APPROVES THIS
SUBDIVISION AND HEREBY ACCEPTS THE DEDICATION
OF ALL EASEMENTS FOR PUBLIC PURPOSES FOR
THE PERPETUAL USE OF THE PUBLIC,
THIS _____ DAY OF _____, 20____

MAYOR ATTEST

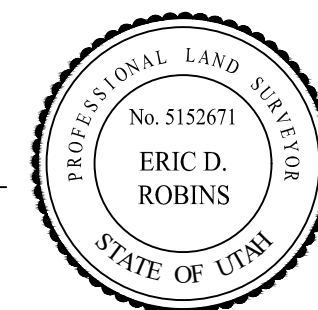
WASATCH COUNTY SURVEYOR

APPROVED THIS _____ DAY OF _____, A.D., 20____

WASATCH COUNTY SURVEYOR

SURVEYOR'S CERTIFICATE

In accordance with Section 10-9A-603 of the Utah Code, I, Eric D. Robins, do hereby certify that I am a Professional Land Surveyor holding License Number 5152671 in accordance with Title 58, Chapter 22 of the Professional Engineers and Professional Surveyors Licensing Act. I further certify that on behalf of the owners I have completed a survey of the property described on the plat in accordance with Section 17-23-17 of Utah Code, and have verified all measurements, and have placed monuments as represented on the plat.



Eric D. Robins
Professional Land Surveyor
Utah Certificate No. 5152671

Date

BOUNDARY DESCRIPTION:

Beginning at a point on the Easterly Right-of-Way Line of Jordanelle Parkway, said point being a point on a 30,000 foot radius non tangent curve to the left, (radius bears North 06°03'09" East, Chord: North 86°53'46" East 9,548 feet); said point lies South 89°04'50" West 2439.046 feet along the Section Line and South 441.328 feet from the Northeast Corner of Section 7, Township 2 South, Range 5 East, Salt Lake Base and Meridian and running thence along the arc of said curve 9,588 feet through a central angle of 18°18'45"; thence North 77°44'24" East 26,637 feet to a point on a 135,500 foot radius tangent curve to the right, (radius bears South 12°15'36" East, Chord: North 82°51'09" East 24,149 feet); thence along the arc of said curve 24,181 feet through a central angle of 10°13'30" to a point of reverse curvature with a 30,000 foot radius tangent curve to the left, (radius bears North 02°02'06" West, Chord: North 47°18'39" East 39,090 feet); thence along the arc of said curve 42,573 feet through a central angle of 81°18'30"; thence South 83°20'36" East 31,000 feet; thence South 06°39'24" West 11,825 feet to a point on a 30,000 foot radius tangent curve to the left, (radius bears South 83°20'36" East, Chord: South 03°54'09" East 10,994 feet); thence along the arc of said curve 11,056 feet through a central angle of 21°06'58" to a point of reverse curvature with a 146,000 foot radius non tangent curve to the right, (radius bears South 21°44'41" West, Chord: South 33°29'45" East 166,478 feet); thence along the arc of said curve 177,146 feet through a central angle of 69°31'07"; thence South 88°44'11" East 114,500 feet; thence South 01°15'49" West 606.033 feet to a point on a 266,182 foot radius tangent curve to the left, (radius bears South 88°44'11" East, Chord: South 17°09'16" East 168,198 feet); thence along the arc of said curve 171,130 feet through a central angle of 36°50'09"; thence South 35°34'20" East 20,106 feet to a point on a 84,500 foot radius non tangent curve to the right, (radius bears North 76°16'51" West, Chord: South 34°04'24" West 58,782 feet); thence along the arc of said curve 60,037 feet through a central angle of 40°42'31"; thence South 54°25'40" West 24,888 feet; thence South 35°34'20" East 31,000 feet; thence South 54°25'40" West 15,000 feet to a point on a 30,000 foot radius tangent curve to the left, (radius bears South 35°34'20" East, Chord: South 09°25'40" West 42,426 feet); thence along the arc of said curve 47,124 feet through a central angle of 90°00'00"; thence South 35°34'20" East 15,000 feet; thence South 54°25'40" West 225,680 feet to a point on said Easterly Right-of-Way Line of Jordanelle Parkway; thence along said Jordanelle Parkway the following (5) courses: 1) North 30°14'22" West 222,021 feet to a point on a 930,370 foot radius tangent curve to the right, (radius bears North 59°45'38" East, Chord: North 13°58'20" West 521,220 feet); 2) along the arc of said curve 528,288 feet through a central angle of 32°32'05"; 3) North 02°17'41" East 427,160 feet to a point on a 741,780 foot radius tangent curve to the left, (radius bears North 87°42'20" West, Chord: North 01°33'22" West 99,632 feet); 4) along the arc of said curve 99,707 feet through a central angle of 07°42'05" to a point of compound curvature with a 537,500 foot radius tangent curve to the left, (radius bears South 84°35'35" West, Chord: North 11°59'30" West 123,275 feet); 5) along the arc of said curve 123,547 feet through a central angle of 13°10'11" to the point of beginning.

Property contains 8.6669 acres.

OWNER'S DEDICATION

Known all by these presents that we/I the undersigned owner(s) of the described tract of land above, having cause the same to be subdivided into lots and streets to be hereafter known as: DEER SPRINGS SUBDIVISION PHASE 2A do hereby dedicate for perpetual use of the public all parcels of land shown on this plat as intended for public use, and warrant, defend, and save the City harmless against any easements or other encumbrances on the dedicated streets which will interfere with the city's use, operation, and maintenance of the streets and do further dedicate the easements as shown for the use by all suppliers of utility or other necessary services.

In witness whereof I have here unto set my hand this

_____ day of _____, A.D., 20____

NAME:

TITLE:

INDIVIDUAL ACKNOWLEDGMENT

STATE OF _____

COUNTY OF _____

On this _____ day of _____, 20____, personally

appeared before me, _____, the
signer(s) of the foregoing instrument who duly acknowledged to me that
he/she/they executed the same.

Commission Number

My Commission expires

Name, Notary Public Commissioned in Utah

WASATCH COUNTY RECORDER

ENTRY NO. _____

FEE PAID _____

FILED FOR RECORD AND RECORDED THIS

DAY OF _____, 2021, IN BOOK _____, AT PAGE _____ OF THE
OFFICIAL RECORDS

DEPUTY COUNTY RECORDER

DEER SPRINGS SUBDIVISION PHASE 2A
THE TOWN OF HIDEOUT, WASATCH COUNTY, UTAH

Located in the Northeast Quarter of Section 7, T2S, R5E,
Salt Lake Base and Meridian

HOLMES WESTERN DEER SPRINGS LLC
00-0021-3163

HOLMES WESTERN DEER SPRINGS LLC
00-0021-3164

JORDANELLE LAND INVESTORS LLC
00-0007-2012

NORTH QUARTER CORNER SEC 7
T2S, R5E, SLB&M
FOUND - ALUM. CAP

NORTH QUARTER CORNER SEC 7
T2S, R5E, SLB&M
FOUND - ALUM. CAP

COMMON AREA A
73,319 S.F.

COMMON AREA B
128,676 S.F.

ROAD XXX
(31' PUBLIC RIGHT-OF-WAY)

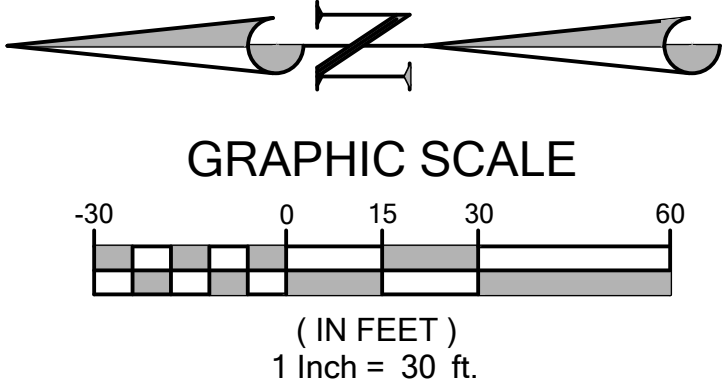
JORDANELLE PARKWAY
(75' PUBLIC RIGHT-OF-WAY)

SLOPE EASEMENT PER
JORDANELLE PARKWAY
RIGHT-OF-WAY DEDICATION
PLAT ENTRY NO. 447875

SLOPE EASEMENT PER
JORDANELLE PARKWAY
RIGHT-OF-WAY DEDICATION
PLAT ENTRY NO. 447875

LEGEND

| | |
|--|--|
| | FOUND SALT LAKE COUNTY MONUMENT |
| | EXISTING STREET MONUMENT |
| | MONUMENT LINE |
| | PROPOSED P.U.E. |
| | BOUNDARY LINE |
| | TIE LINE |
| | PRIVATE AREA |
| | COMMON AREA |
| | LIMITED-COMMON AREA FOR THE BENEFIT OF THE ADJACENT UNIT |



Sheet 2 of 4

WASATCH COUNTY RECORDER

ENTRY NO. _____

FEE PAID _____
FILED FOR RECORD AND RECORDED THIS _____

DAY OF _____ 2021, IN BOOK _____, AT PAGE _____ OF THE
OFFICIAL RECORDS

DEPUTY COUNTY RECORDER

PERIGEE
CONSULTING
CIVIL • STRUCTURAL • SURVEY

9089 SOUTH 1300 WEST, SUITE 160
801.628.6004 TEL. 801.590.6611 FAX
WEST JORDAN, UT 84088
WWW.PERIGEECIVIL.COM

DEER SPRINGS SUBDIVISION PHASE 2A
THE TOWN OF HIDEOUT, WASATCH COUNTY, UTAH

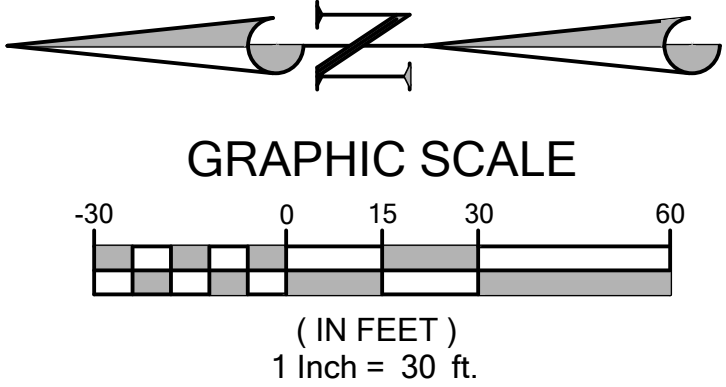
Located in the Northeast Quarter of Section 7, T2S, R5E,
Salt Lake Base and Meridian

HOLMES WESTERN DEER SPRINGS LLC
00-0021-3163



LEGEND

| | |
|--|--|
| | FOUND SALT LAKE COUNTY MONUMENT |
| | EXISTING STREET MONUMENT |
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Sheet 3 of 4

WASATCH COUNTY RECORDER

ENTRY NO. _____

FEE PAID _____
FILED FOR RECORD AND RECORDED THIS _____

DAY OF _____ 2021, IN BOOK _____, AT PAGE _____ OF THE
OFFICIAL RECORDS

DEPUTY COUNTY RECORDER



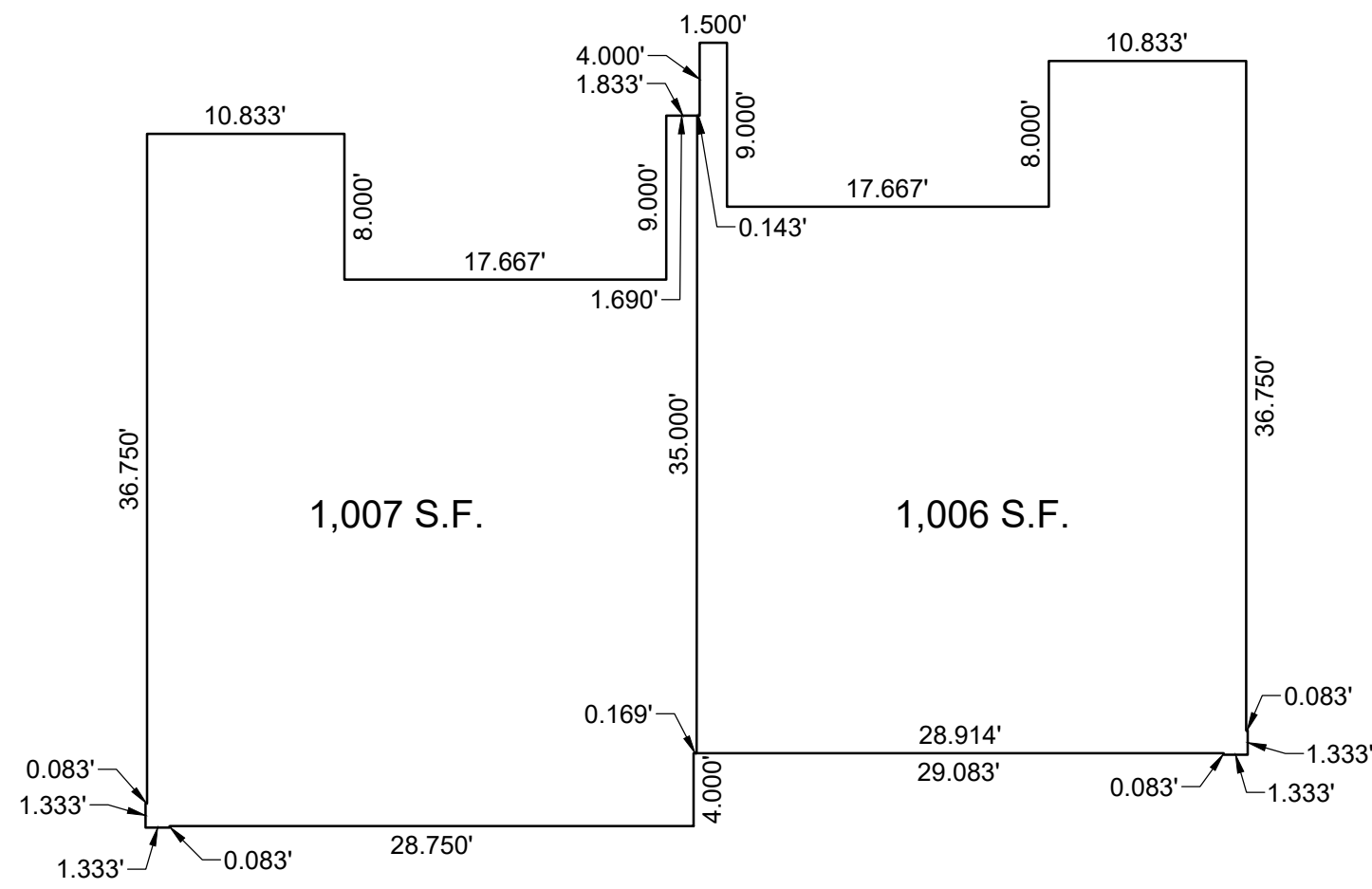
9089 SOUTH 1300 WEST, SUITE 160 WEST JORDAN, UT 84088
801.628.6004 TEL. 801.590.6611 FAX WWW.PERIGEECIVIL.COM

DATE: 05/02/2021
BY: JAC
CHECKED: JAC
SCALE: 1"=10'

PROJECT: 2021-001
SHEET: 4 OF 4

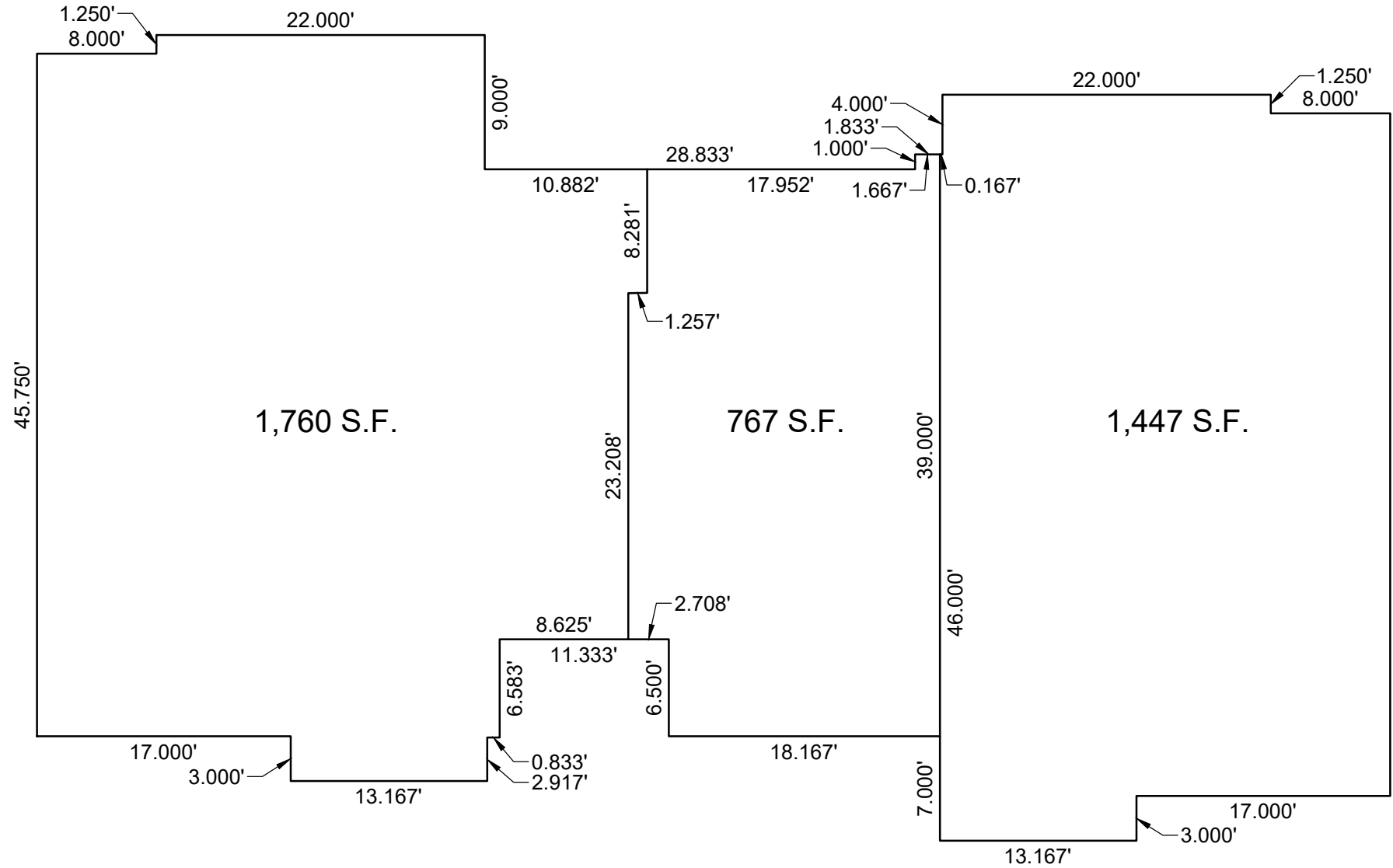
2-PLEX

TOT. AREA= 2,012 S.F.
SCALE 1"=10'



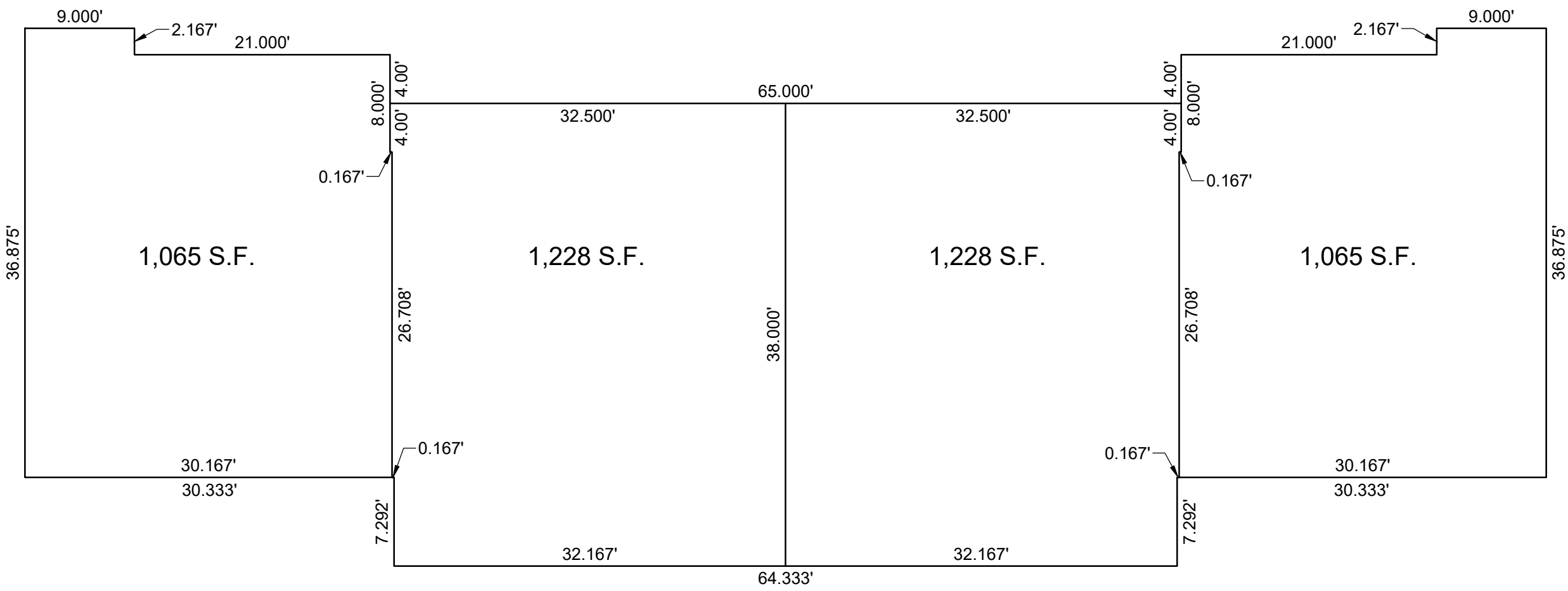
3-PLEX

TOT. AREA= 3,973 S.F.
SCALE 1"=10'



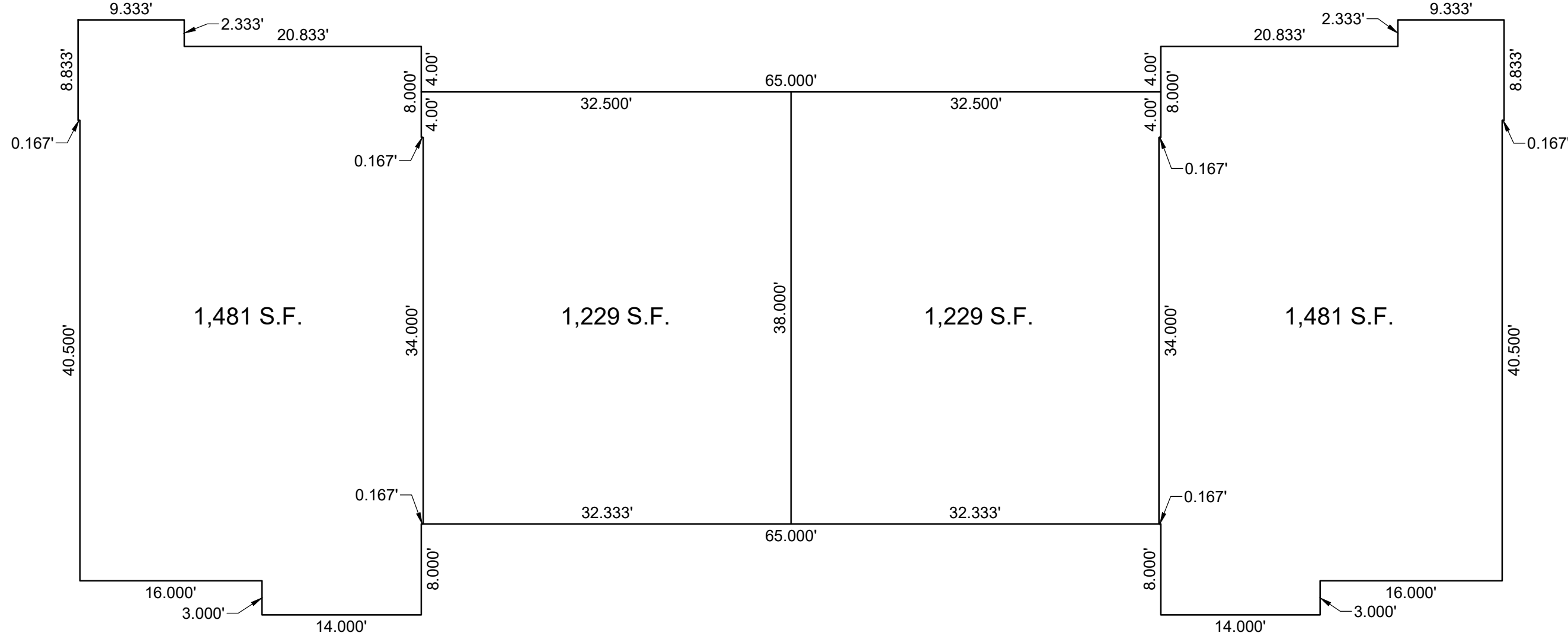
4-PLEX A

TOT. AREA= 4,587 S.F.
SCALE 1"=10'



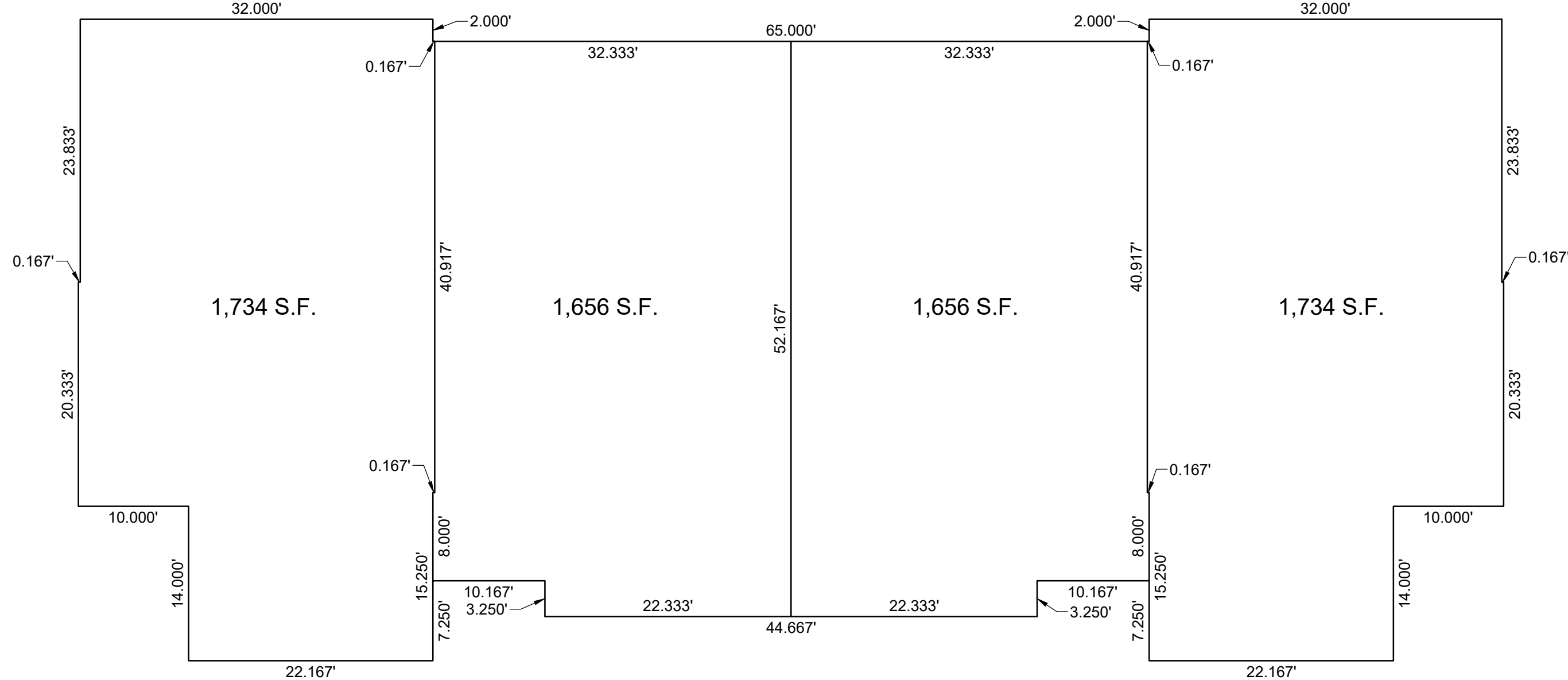
4-PLEX B

TOT. AREA= 5,420 S.F.
SCALE 1"=10'



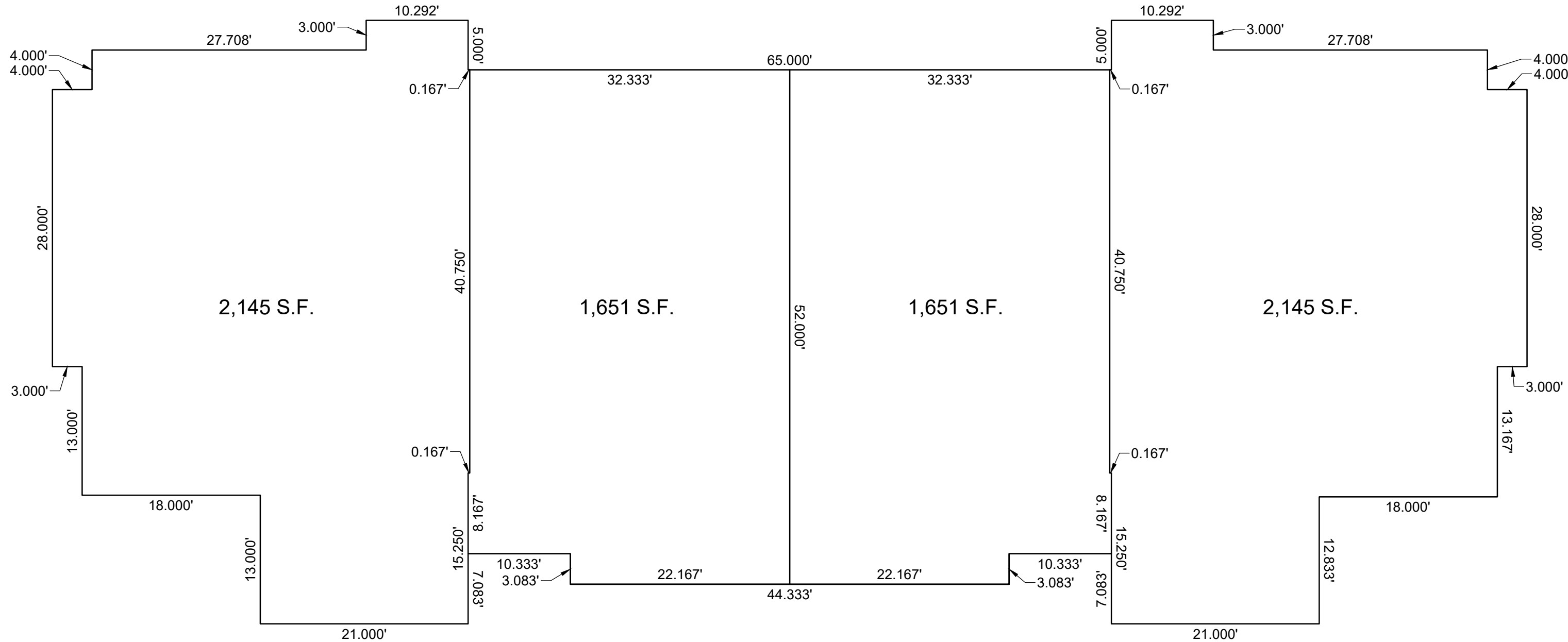
4-PLEX C

TOT. AREA= 6,779 S.F.
SCALE 1"=10'



4-PLEX D

TOT. AREA= 7,597 S.F.
SCALE 1"=10'



| Curve Table | | | | | |
|-------------|---------|---------|------------|---------------|--------------|
| Curve # | Length | Radius | Delta | Chord Bearing | Chord Length |
| C1 | 9.588 | 30.000 | 018°18'45" | N86°53'46"E | 9.548 |
| C2 | 24.181 | 135.500 | 010°13'30" | N82°51'09"E | 24.149 |
| C3 | 42.573 | 30.000 | 081°18'30" | N47°18'39"E | 39.090 |
| C4 | 11.056 | 30.000 | 021°06'58" | S03°54'05"E | 10.994 |
| C5 | 177.146 | 146.000 | 069°31'07" | S33°29'45"E | 166.478 |
| C6 | 171.130 | 266.182 | 036°50'09" | S17°09'16"E | 168.198 |
| C7 | 60.037 | 84.500 | 040°42'31" | S34°04'24"W | 58.782 |
| C8 | 47.124 | 30.000 | 090°00'00" | S09°25'40"W | 42.426 |
| C9 | 528.288 | 930.370 | 032°32'03" | N13°58'20"W | 521.220 |
| C10 | 99.707 | 741.780 | 007°42'05" | N01°33'22"W | 99.632 |
| C11 | 123.547 | 537.500 | 013°10'11" | N11°59'30"W | 123.275 |
| C12 | 60.210 | 120.000 | 028°44'53" | N87°53'09"W | 59.580 |
| C13 | 21.415 | 120.000 | 010°13'30" | N82°51'09"E | 21.387 |
| C14 | 38.795 | 120.000 | 018°31'23" | S82°46'24"E | 38.626 |
| C15 | 28.625 | 120.000 | 013°40'03" | S66°40'41"E | 28.557 |
| C16 | 127.984 | 120.000 | 061°06'29" | S29°17'26"E | 122.004 |
| C17 | 156.609 | 120.000 | 074°46'31" | N36°07'27"W | 145.729 |
| C18 | 18.890 | 537.500 | 002°00'49" | S15°44'51"E | 18.889 |
| C19 | 17.096 | 537.500 | 001°49'21" | S17°39'56"E | 17.095 |
| C20 | 261.458 | 406.682 | 036°50'09" | S17°09'16"E | 256.979 |

| Line Table | | |
|------------|--------|-------------|
| Line # | Length | Direction |
| L1 | 26.637 | N77°44'24"E |
| L2 | 31.000 | S83°20'36"E |
| L3 | 11.825 | S06°39'24"W |
| L4 | 24.888 | S54°25'40"W |
| L5 | 31.000 | S35°34'20"E |
| L6 | 15.000 | S54°25'40"W |
| L7 | 15.000 | S35°34'20"E |
| L8 | 45.362 | N06°39'24"E |
| L9 | 60.500 | N54°25'40"E |
| L10 | 34.453 | N77°44'24"E |
| L11 | 14.933 | N77°44'24"E |
| L12 | 19.520 | N77°44'24"E |
| L13 | 7.816 | N77°44'24"E |
| L14 | 26.637 | N77°44'24"E |
| L15 | 11.825 | N06°39'24"E |
| L16 | 33.537 | N06°39'24"E |
| L17 | 60.500 | N35°34'20"W |
| L18 | 23.785 | S42°31'17"E |
| L19 | 19.550 | S40°51'01"W |
| L20 | 16.074 | S13°08'47"E |

| Line Table | | |
|------------|--------|-------------|
| Line # | Length | Direction |
| L21 | 15.865 | S17°44'33"E |
| L22 | 25.980 | S02°11'15"E |
| L23 | 15.703 | S16°39'02"W |
| L24 | 16.485 | S11°24'22"E |
| L25 | 19.366 | S17°35'13"W |
| L26 | 29.140 | S52°45'21"E |
| L27 | 31.207 | S44°03'44"E |
| L28 | 27.649 | S10°20'02"E |
| L29 | 19.430 | S74°39'10"E |



Sheet 4 of 4

HASATCH COUNTY RECORDER

ENTRY NO. _____

FEE PAID _____

FILED FOR RECORD AND RECORDED THIS

DAY OF _____ 2021, IN BOOK _____, AT PAGE _____ OF THE
OFFICIAL RECORDS

DEPUTY COUNTY RECORDER

Residential Development

Hideout, Utah

APRIL 27, 2021

[illegible]

CITY ENGINEER DATE

[illegible]

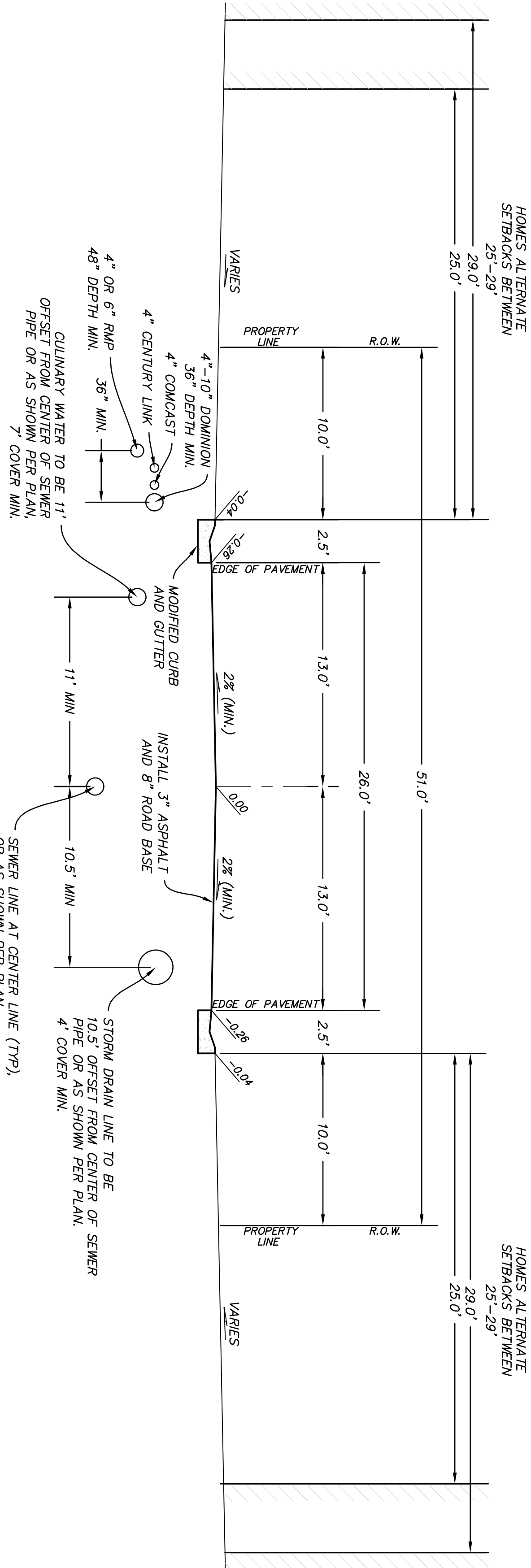
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| DESIGNED BY: DCG | | DATE: DEC. 2019 | REV: |
| DWN BY: AL | CKD BY: JTA | SOLICITATION NO: | |
| SUBMITTED BY: | | CONTRACT NO: 00720 | |
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DEER SPRINGS
PHASE 2A
COVER SHEET

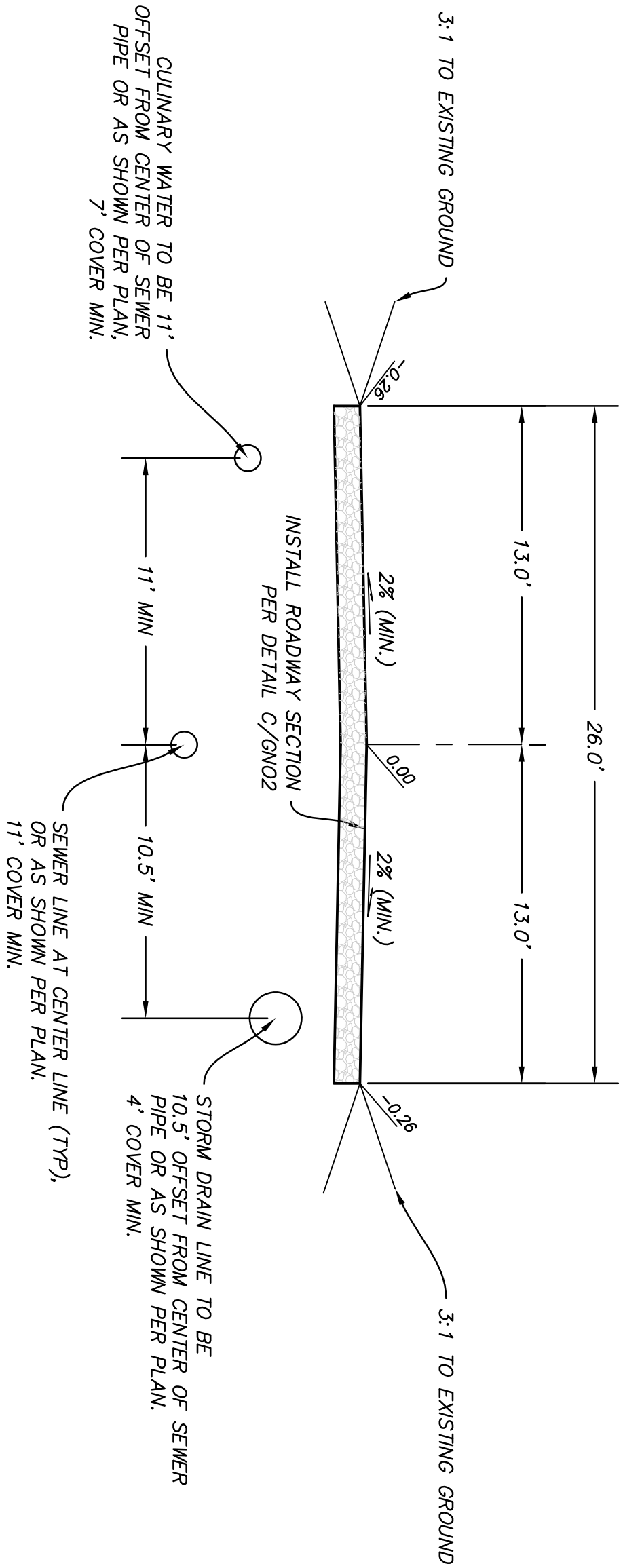
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| SHEET NUMBER | 01 |
| OF 23 SHEETS | |
| DRAWING NAME | TC01 |



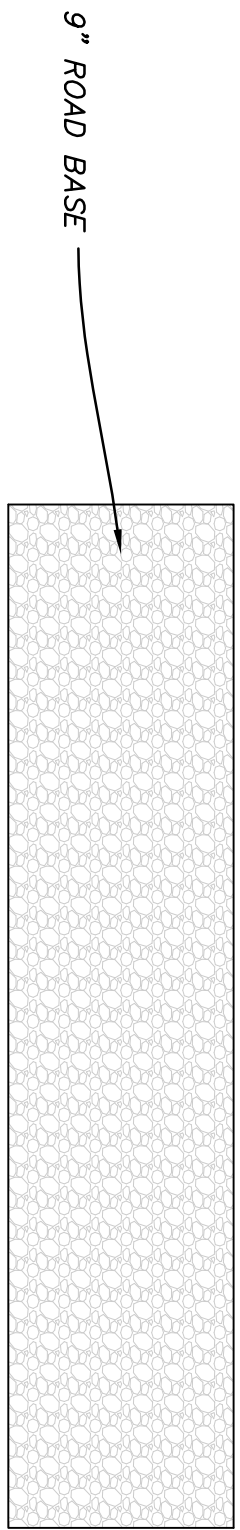
SITE MAP



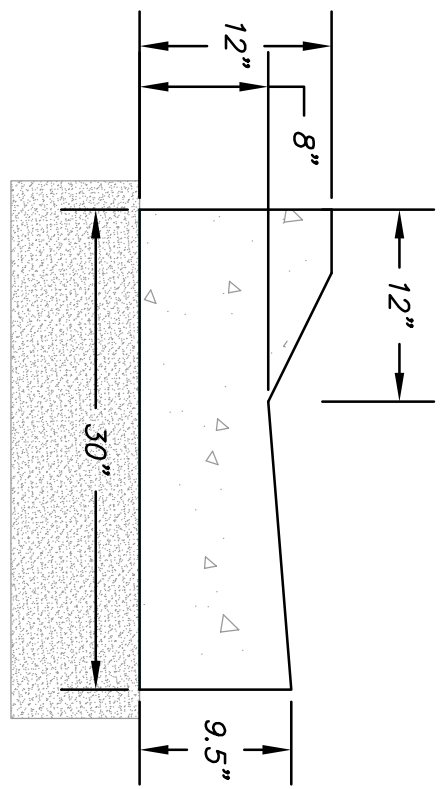
MOUNTAIN VIEW DRIVE
51' ROW
SCALE: 1" = 5'



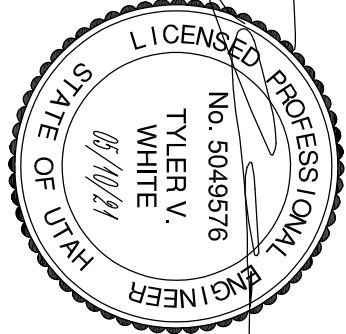
GRAVEL ACCESS ROAD
26' ROW
SCALE: 1" = 5'



GRAVEL ACCESS ROAD SECTION
SCALE: N.T.S.



CURB AND GUTTER
SCALE: N.T.S.



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HIDEOUT CITY

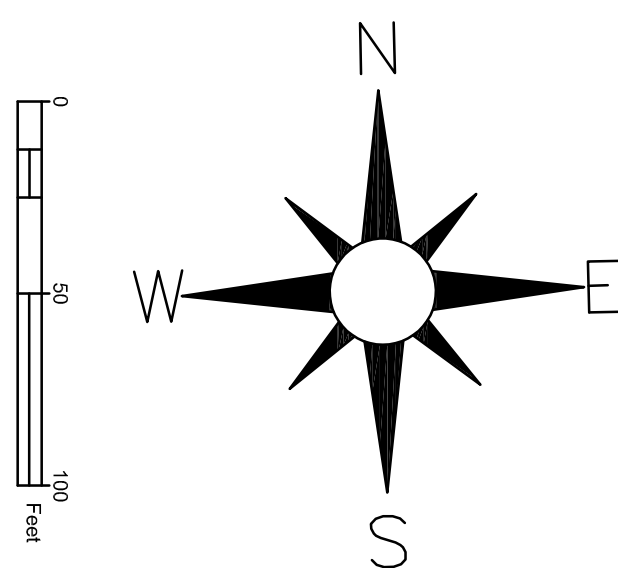
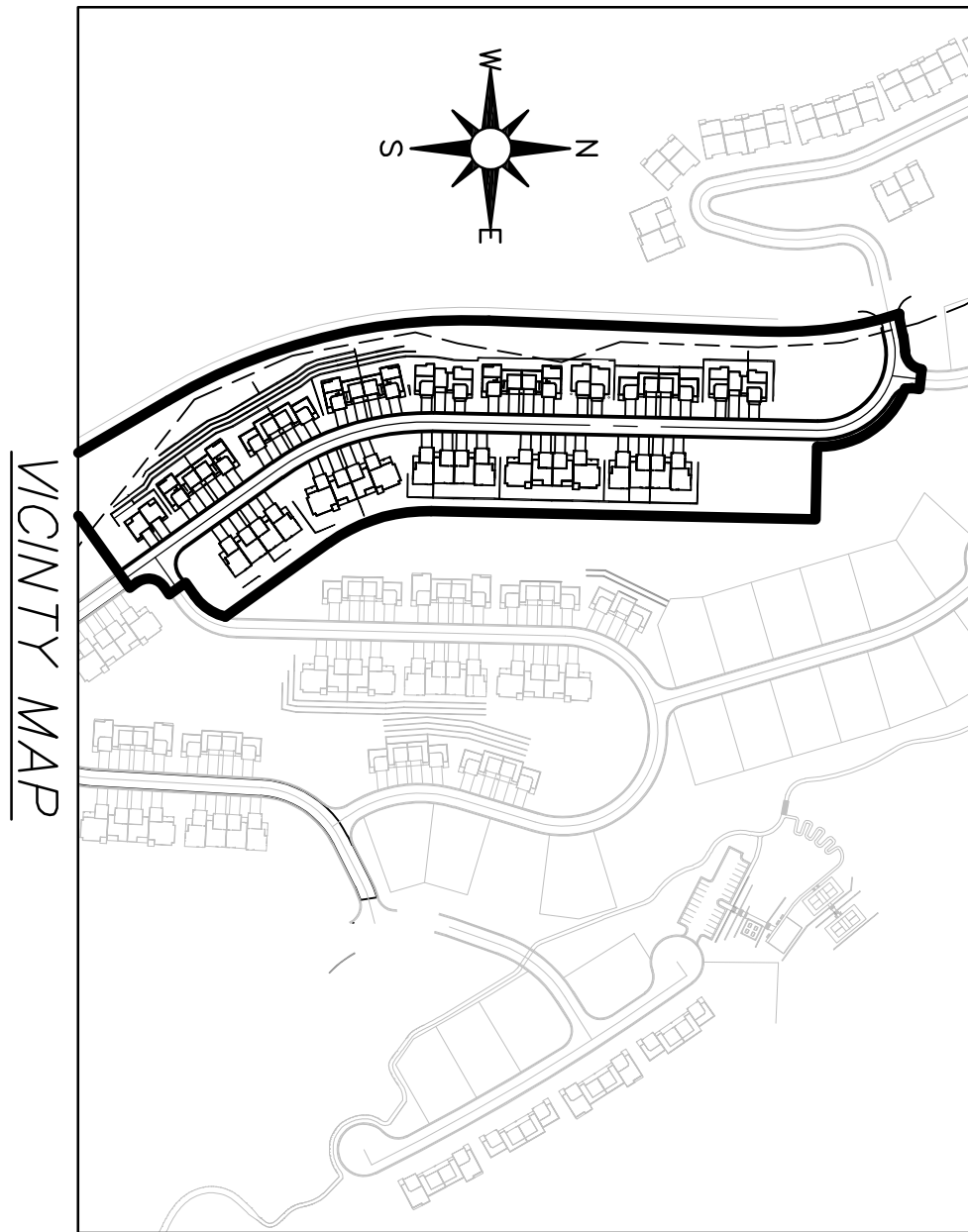
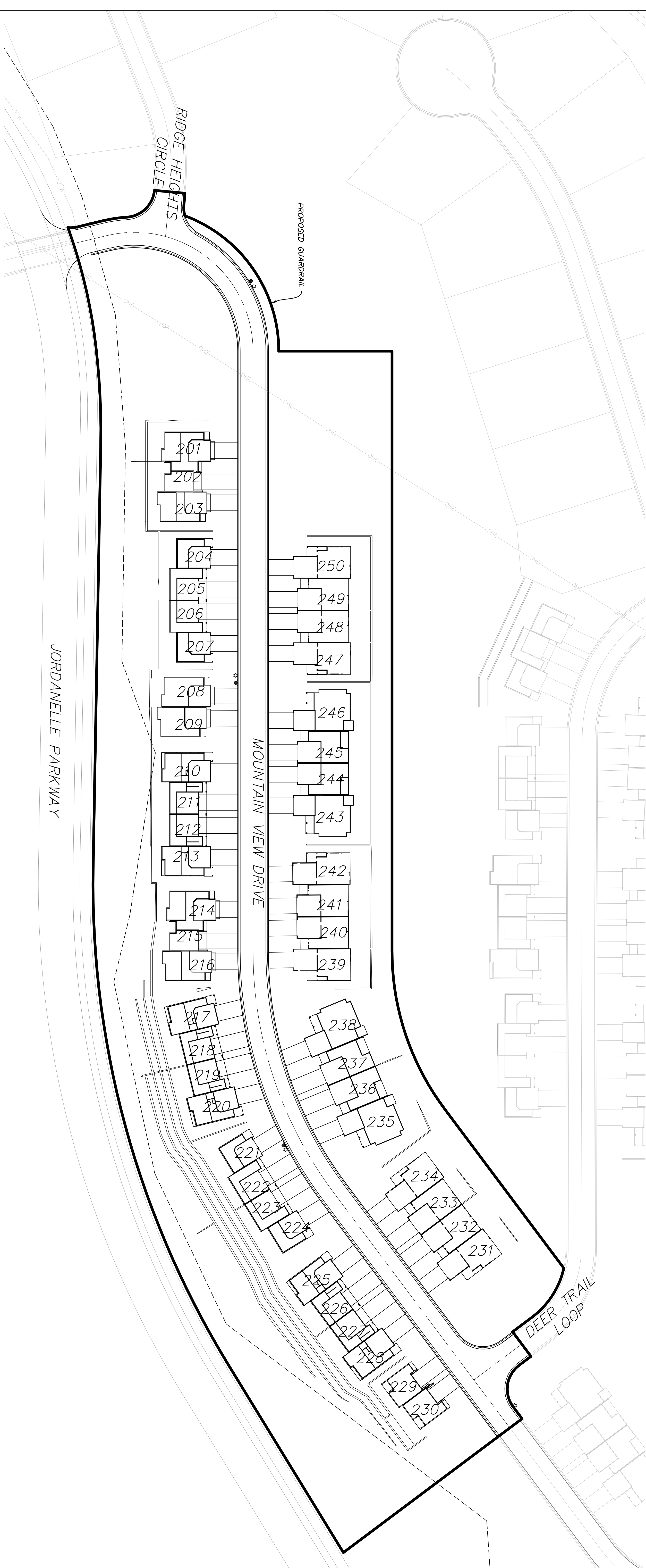
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| DESIGNED BY: DCG | DATE: DEC. 2019 | REV: |
| DWN BY: AL | CRD BY: JTA | SOLICITATION NO: |
| SUBMITTED BY: | CONTRACT NO: 00720 | |
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DEER SPRINGS PHASE 2A
ROAD SECTIONS

SHEET NUMBER
03
OF 23 SHEETS
DRAWING NAME
GN02





DEER SPRINGS
PHASE 2A
OVERALL SITE PLAN

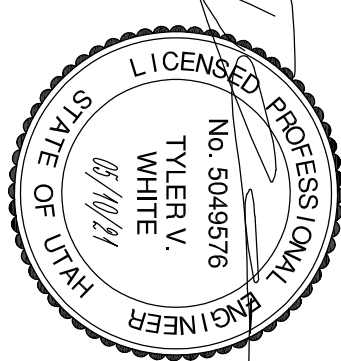
SHEET NUMBER
04
OF 23 SHEETS
DRAWING NAME
SP01

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| SUBMITTED BY: | CONTRACT NO: 00720 | |
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CITY ENGINEER
DATE

HIDEOUT CITY

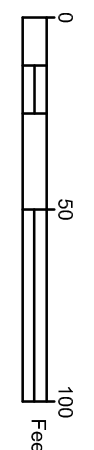




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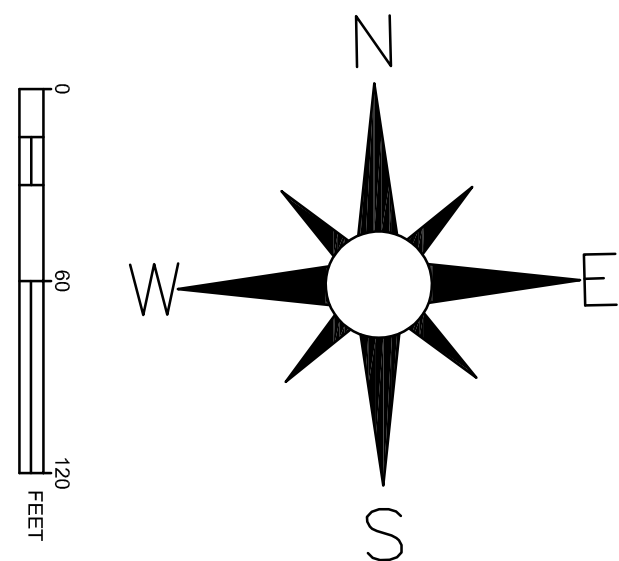
9089 SOUTH 1300 WEST, SUITE 160
801 628-0004 TEL 801-580-0011 FAX

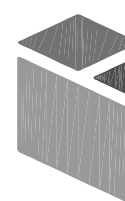
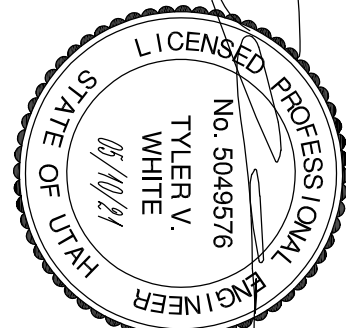
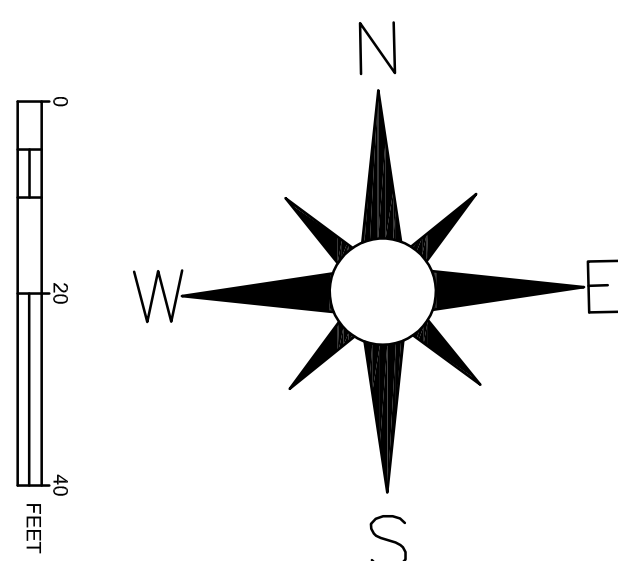
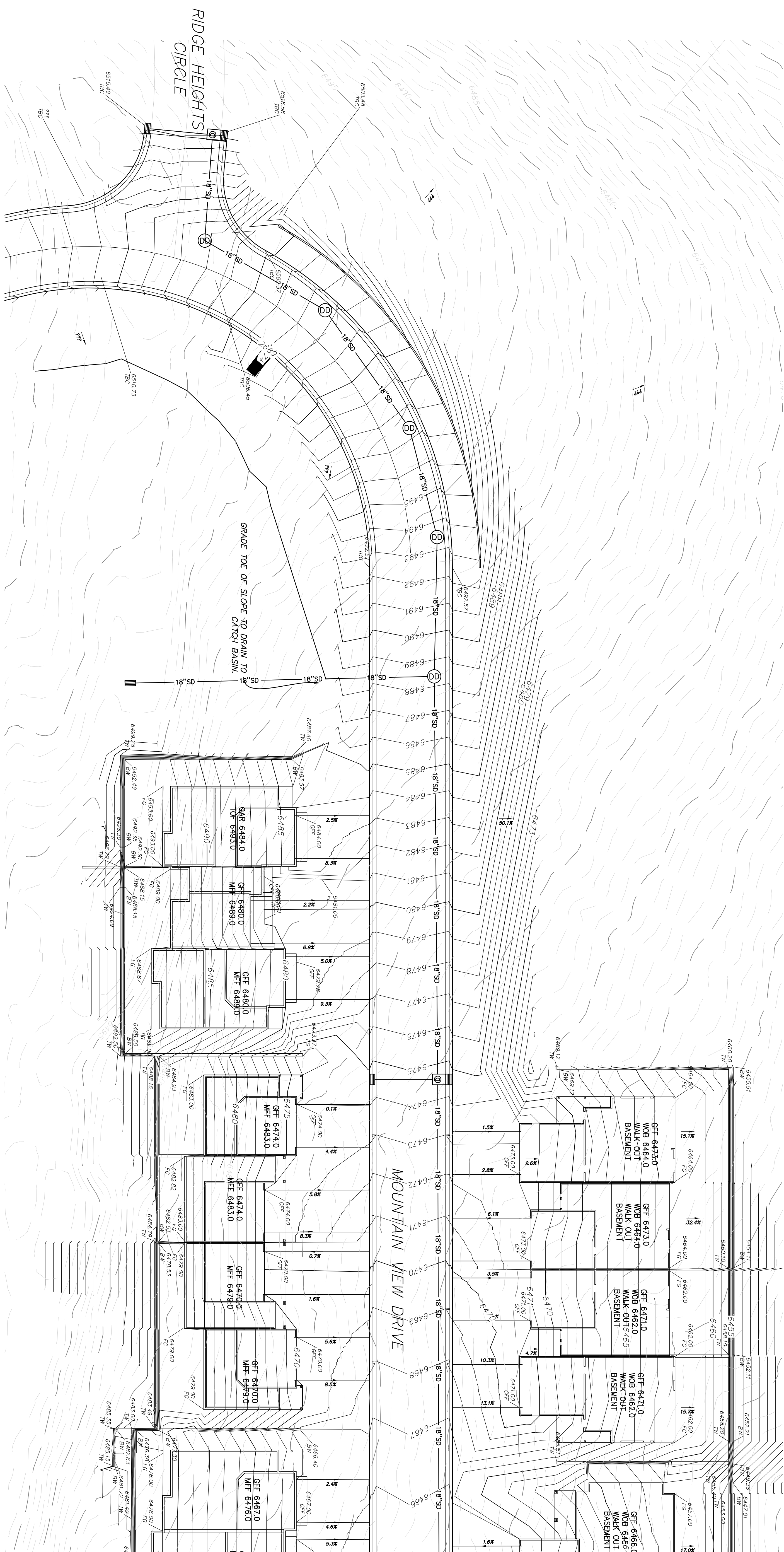
WEST JORDAN, UT 84088
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SHEET NUMBER
05
OF 23 SHEETS
DRAWING NAME
UT01





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HIDEOUT CITY

CITY ENGINEER DATE

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| DESIGNED BY: DCG | | DATE: DEC. 2019 | REV: |
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DEER SPRINGS
PHASE 2A
LOT MASS GRADING

SHEET NUMBER

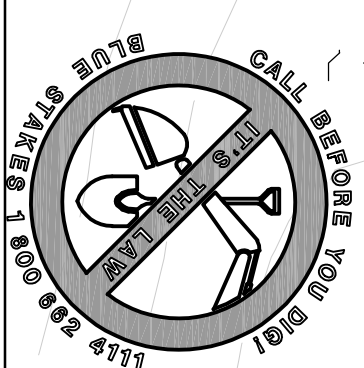
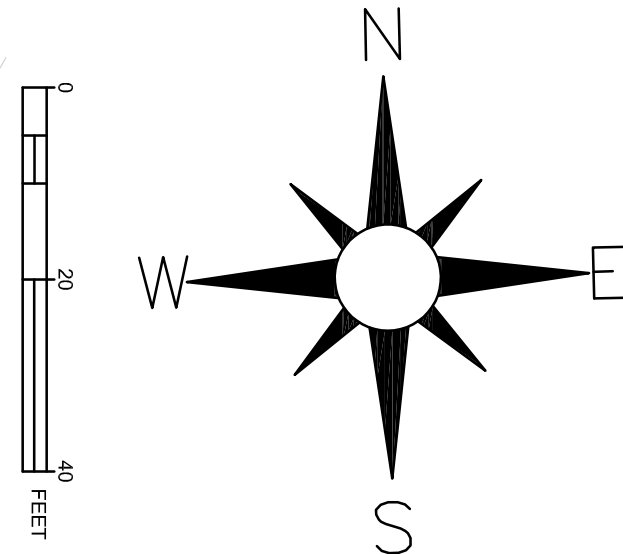
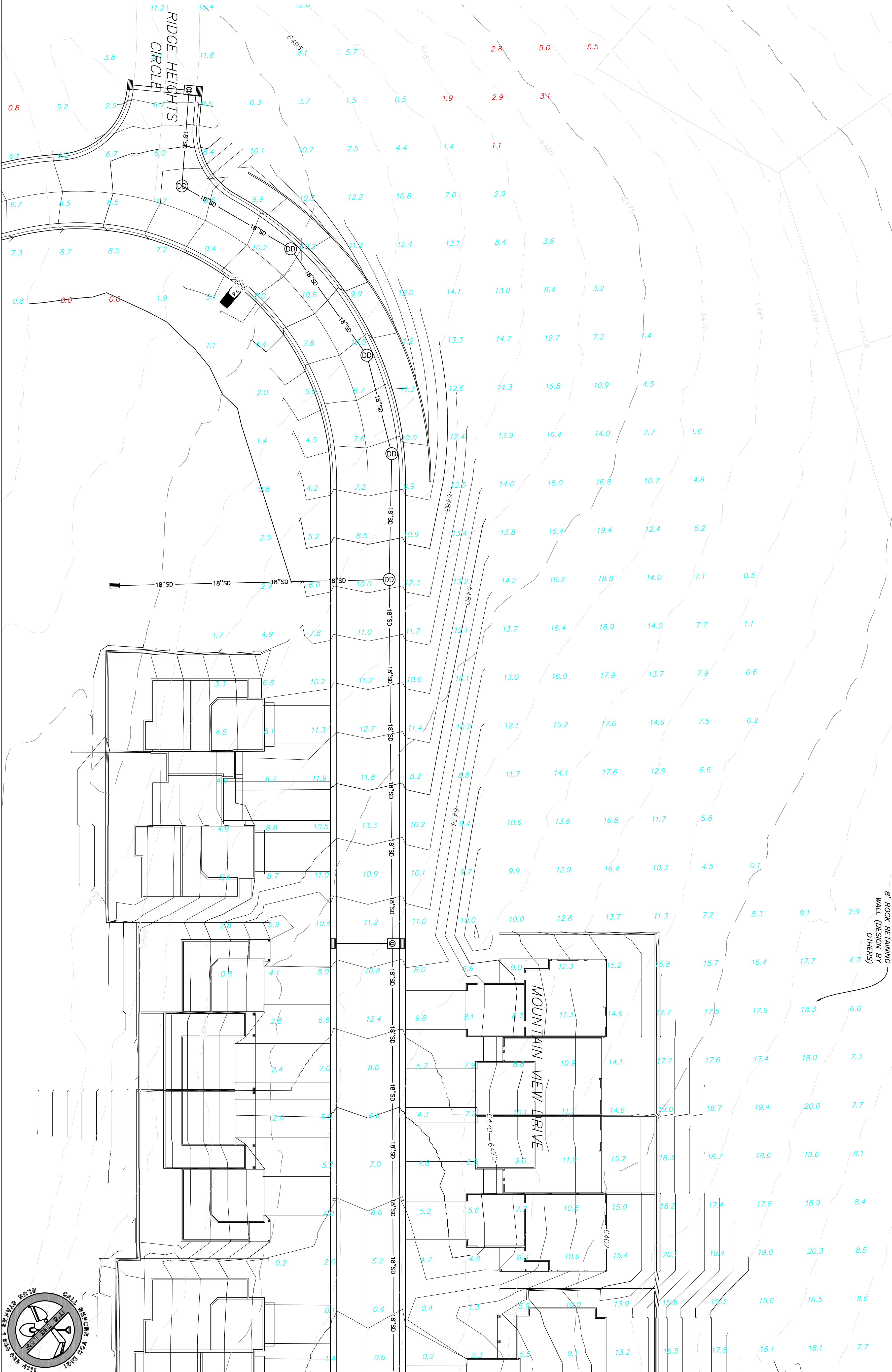
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OF 23 SHEETS

DRAWING NAME

GR02





SHEET NUMBER
08
OF 23 SHEETS
DRAWING NAME
GR02A

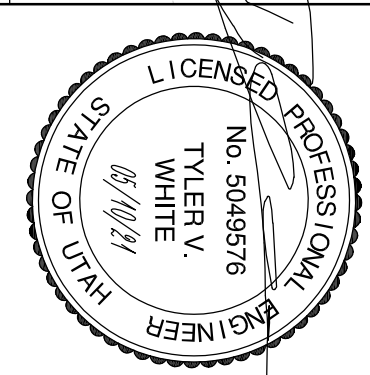
**DEER SPRINGS
PHASE 2A**
CUT/FILL GRADING

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CITY ENGINEER

HIDEOUT CITY

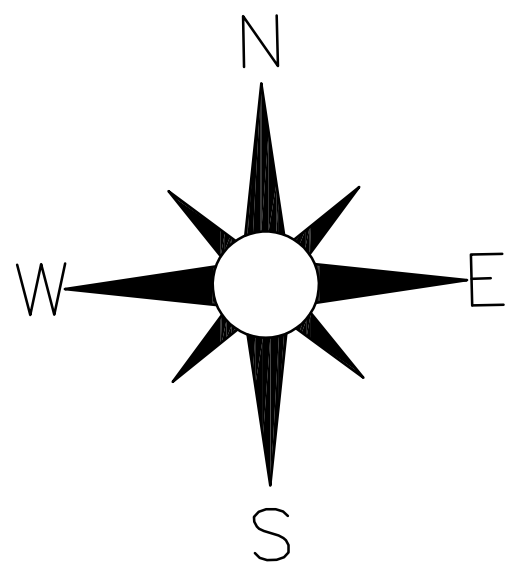
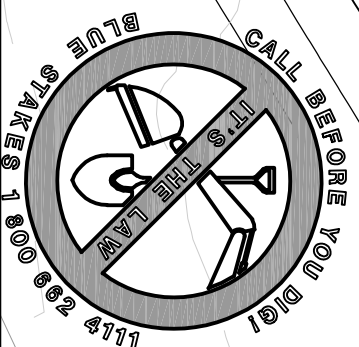
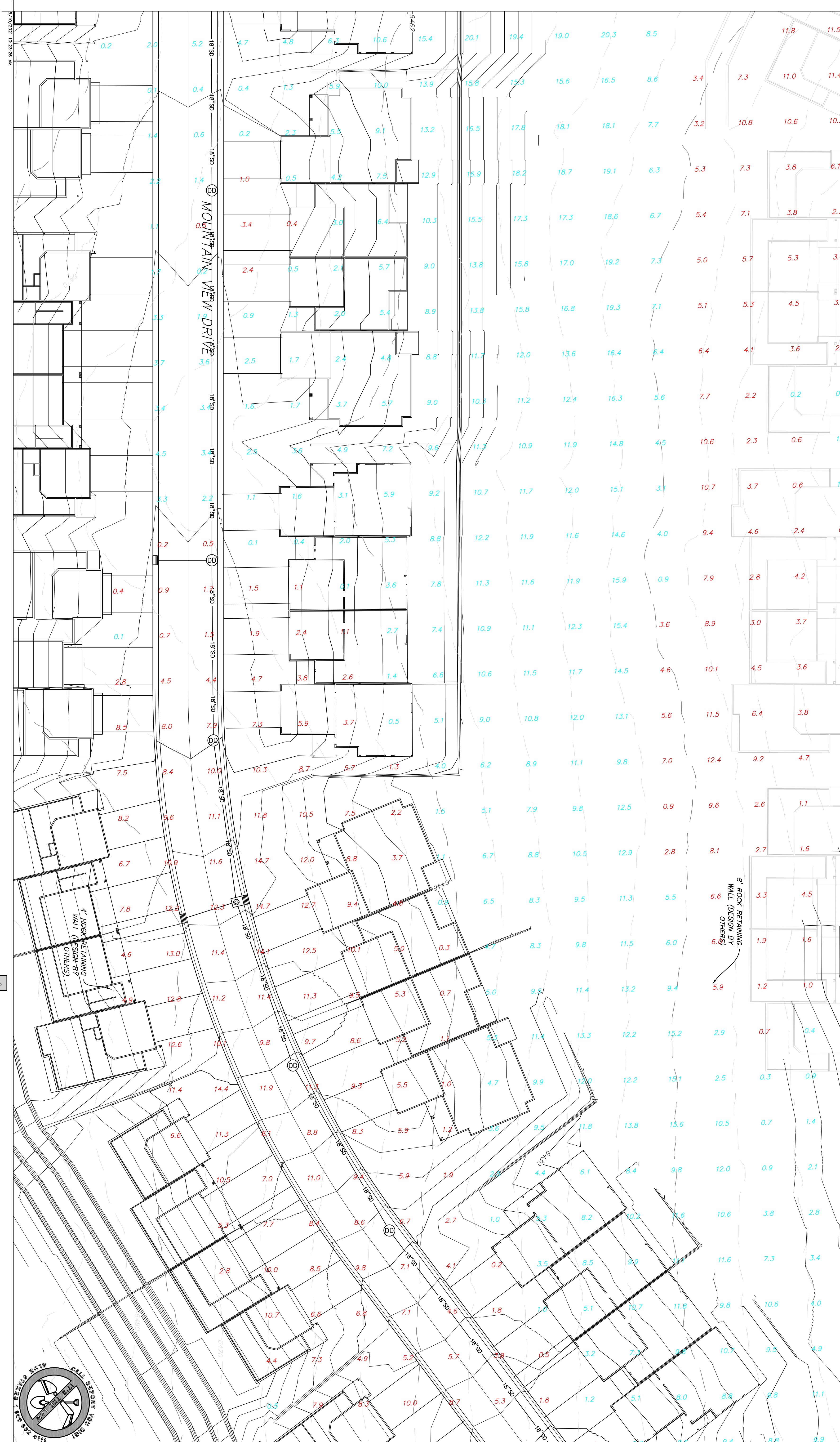




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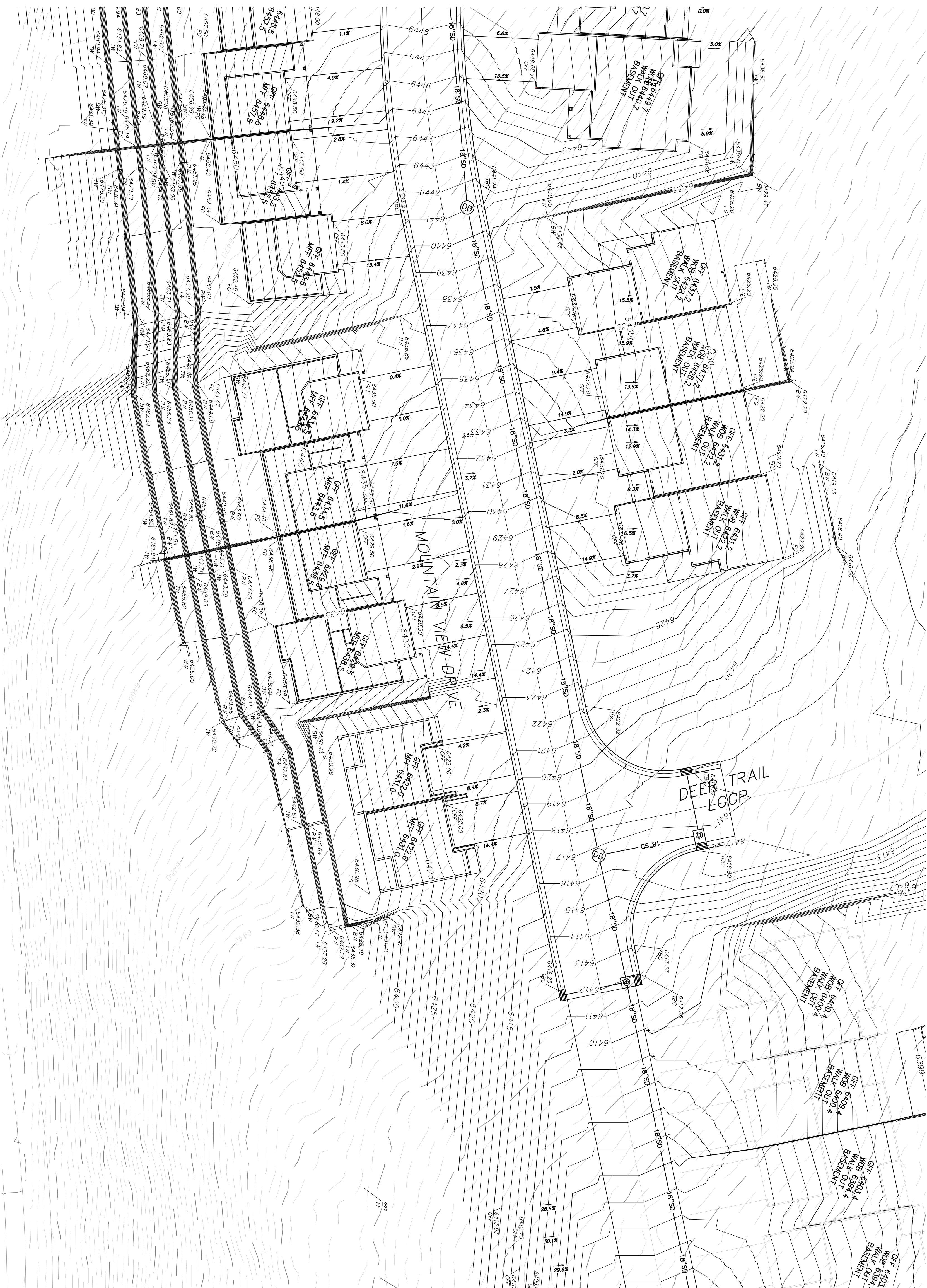
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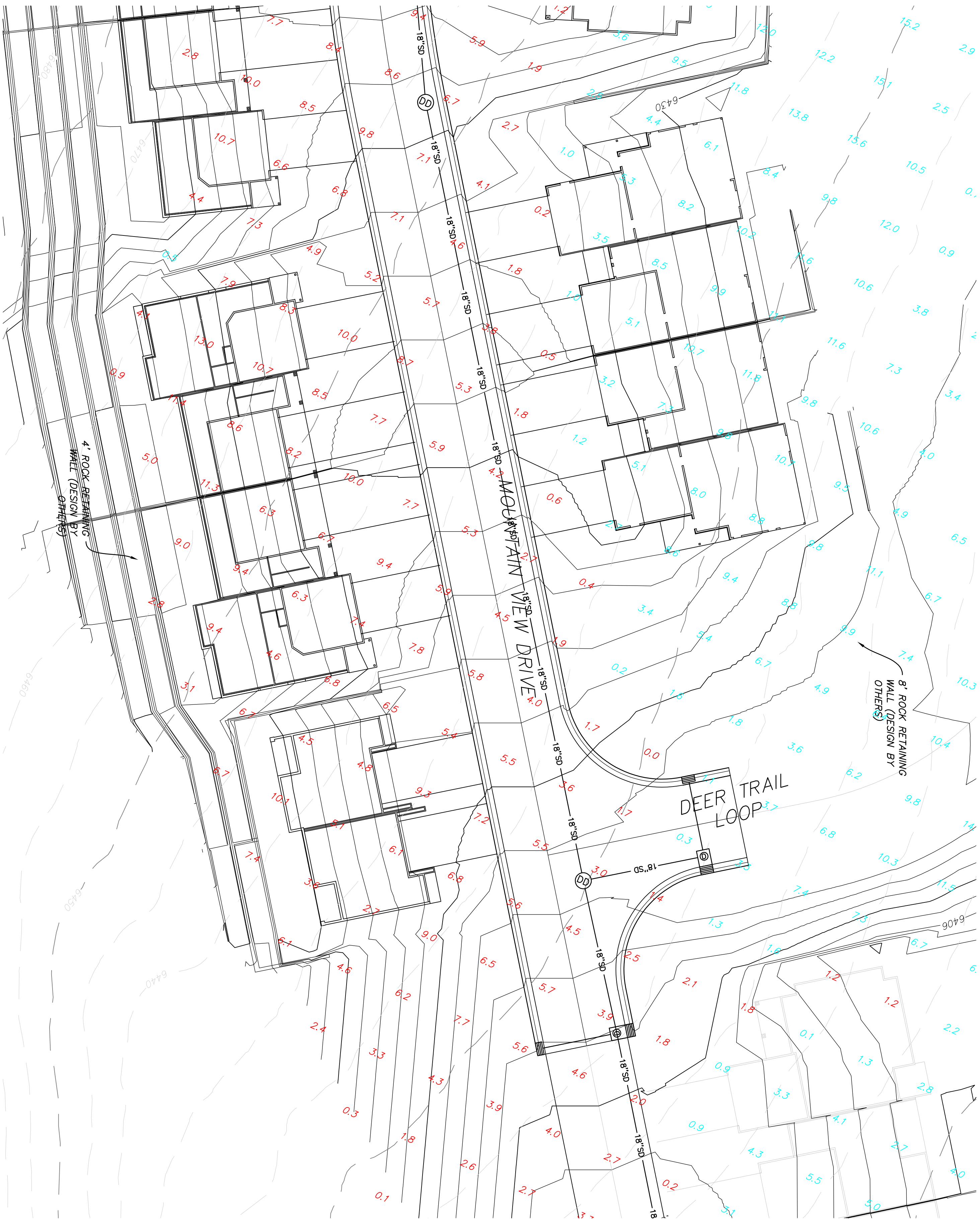
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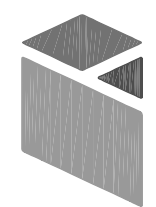
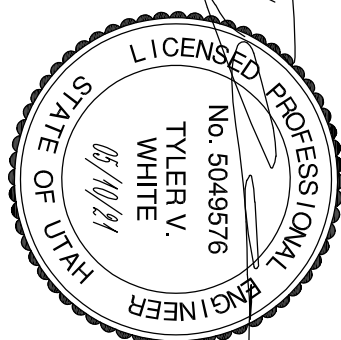
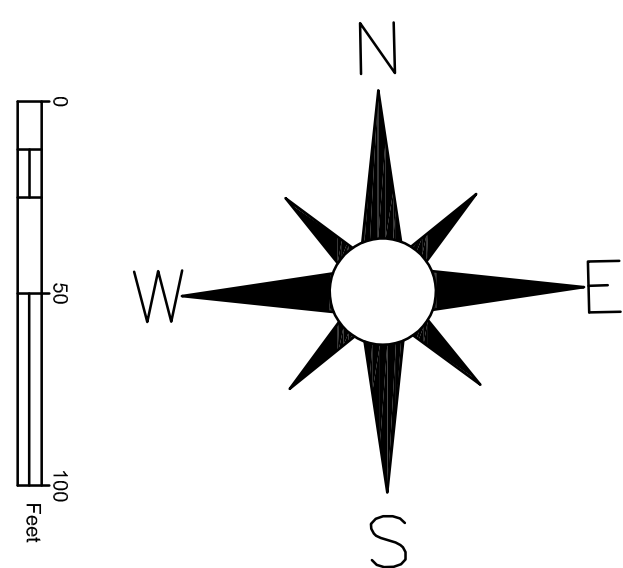
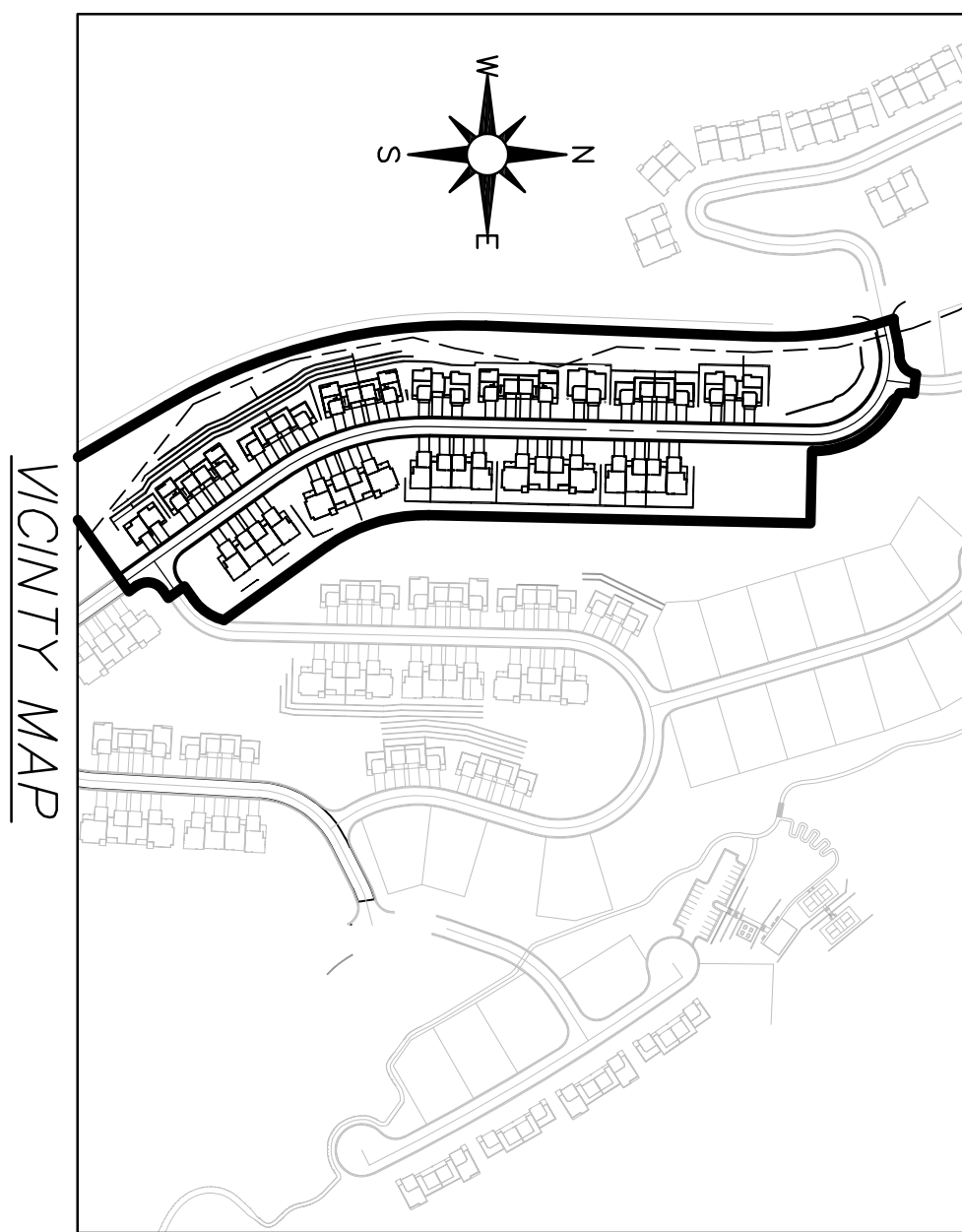
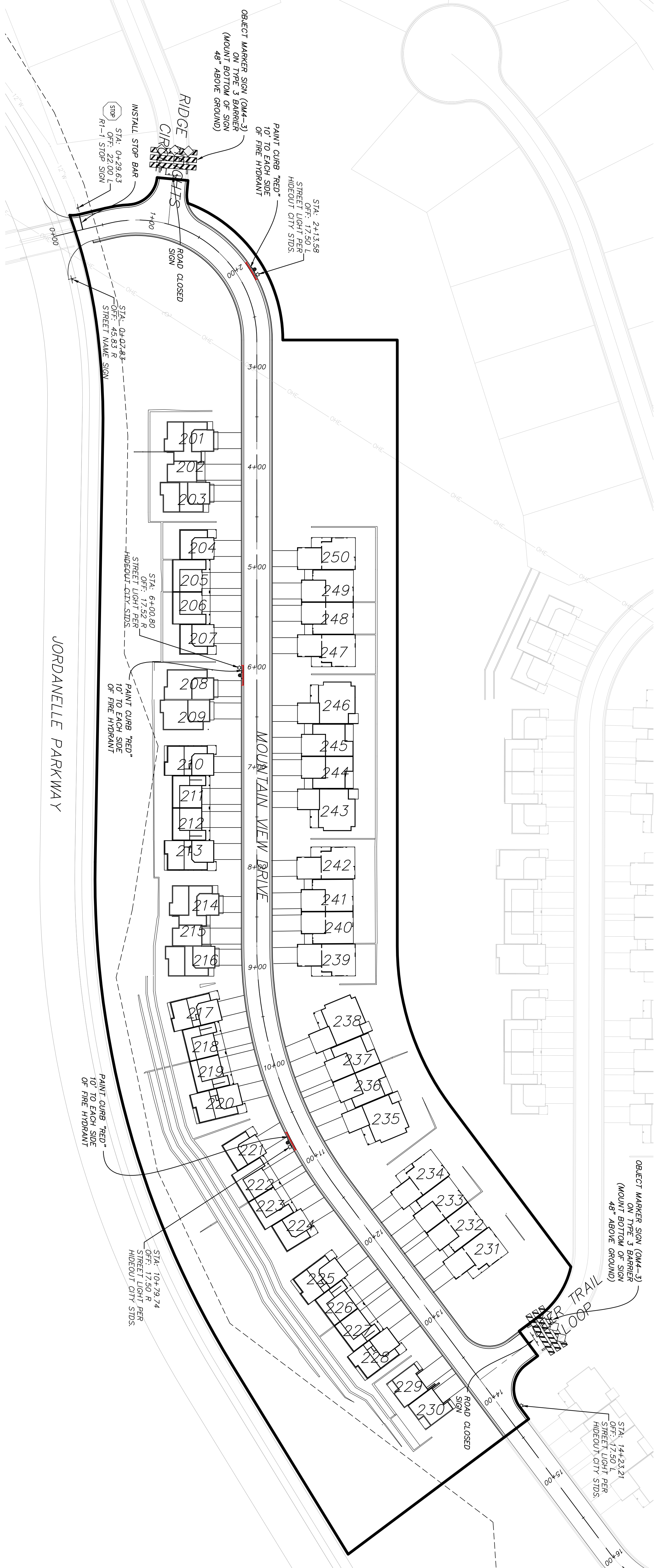


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DEER SPRINGS
PHASE 2A
CUT/FILL GRADING







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DEER SPRINGS
PHASE 2A
SIGNAGE & STRIPING PLAN

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| OF 23 SHEETS | |
| DRAWING NAME | S101 |

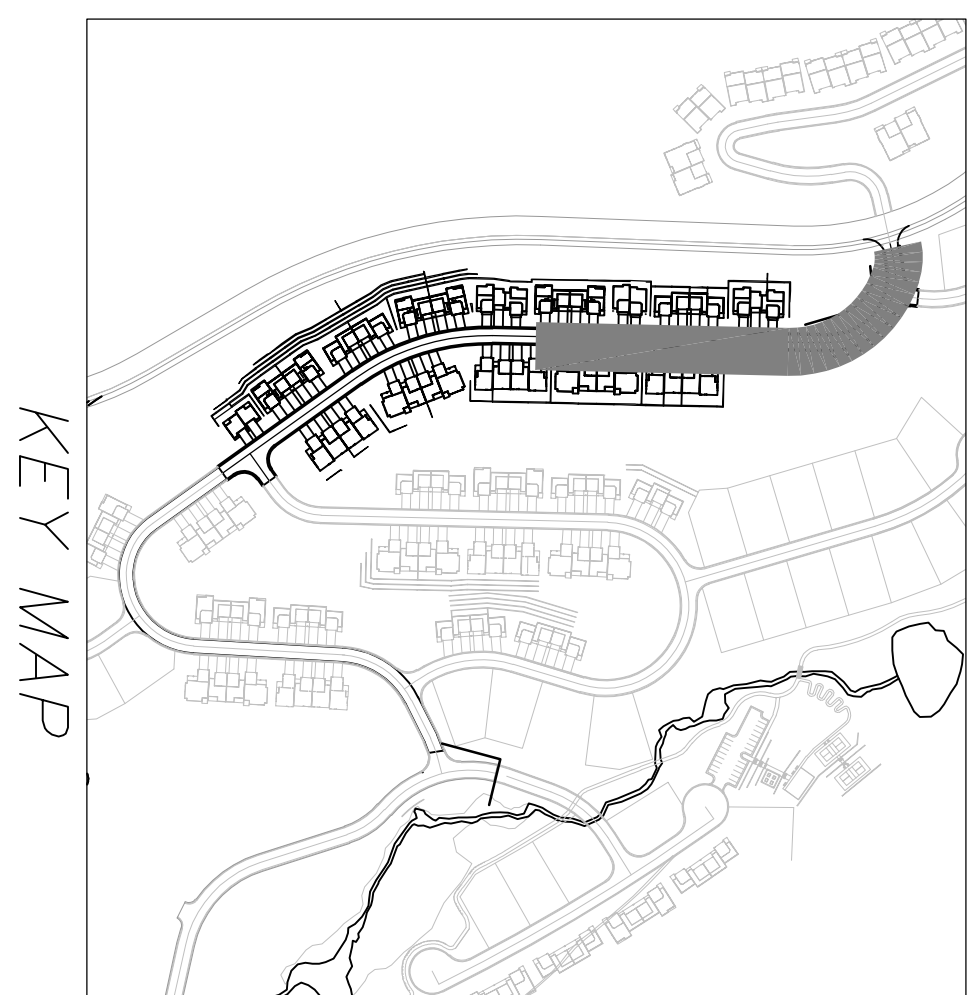
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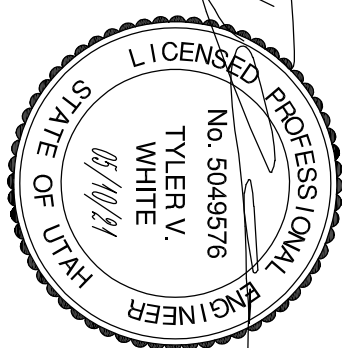
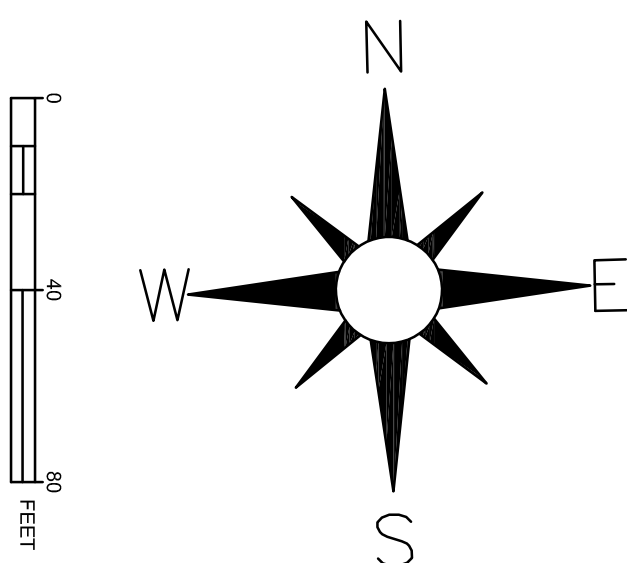
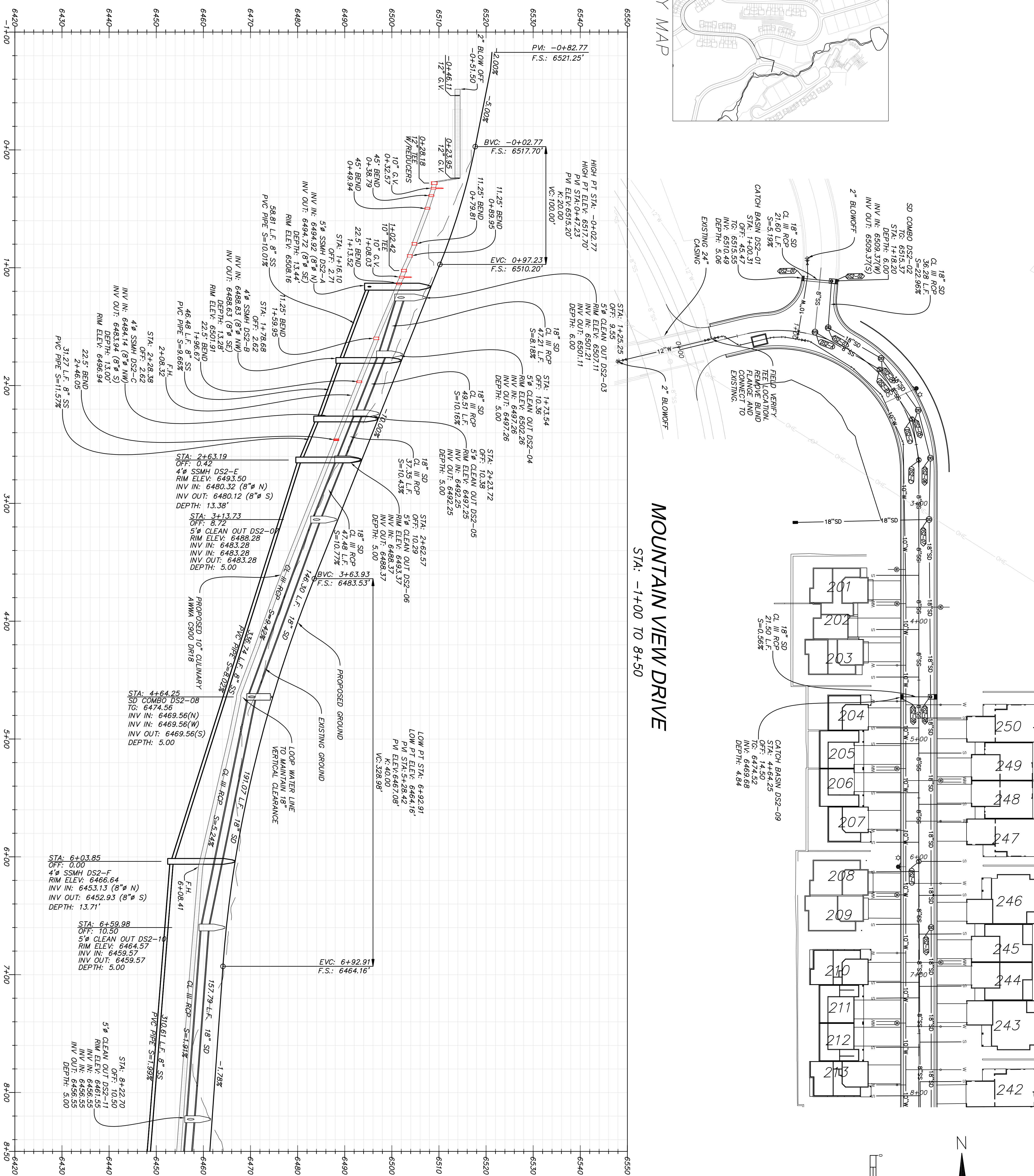
CITY ENGINEER

HIDEOUT CITY

DATE _____



KEY MAP



HIDEOUT CITY

CITY ENGINEER DATE

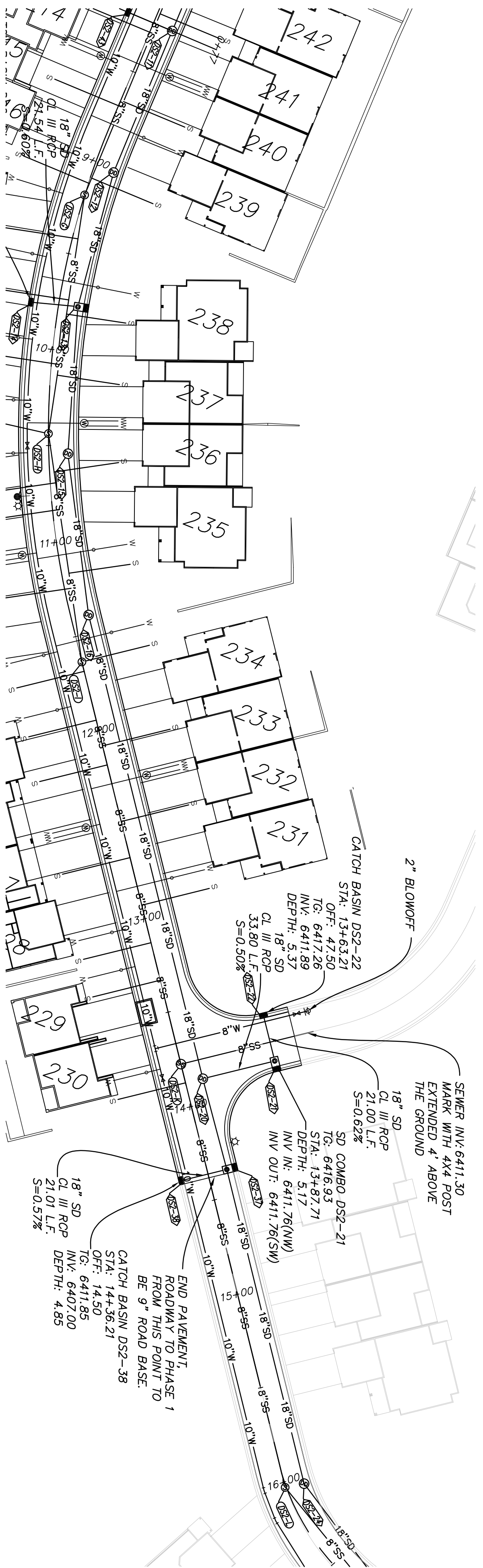
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| DWN BY: AL | CKD BY: JTA | SOLICITATION NO: | |
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DEER SPRINGS
PHASE 2A
PLAN AND PROFILE – MOUNTAIN VIEW
DRIVE

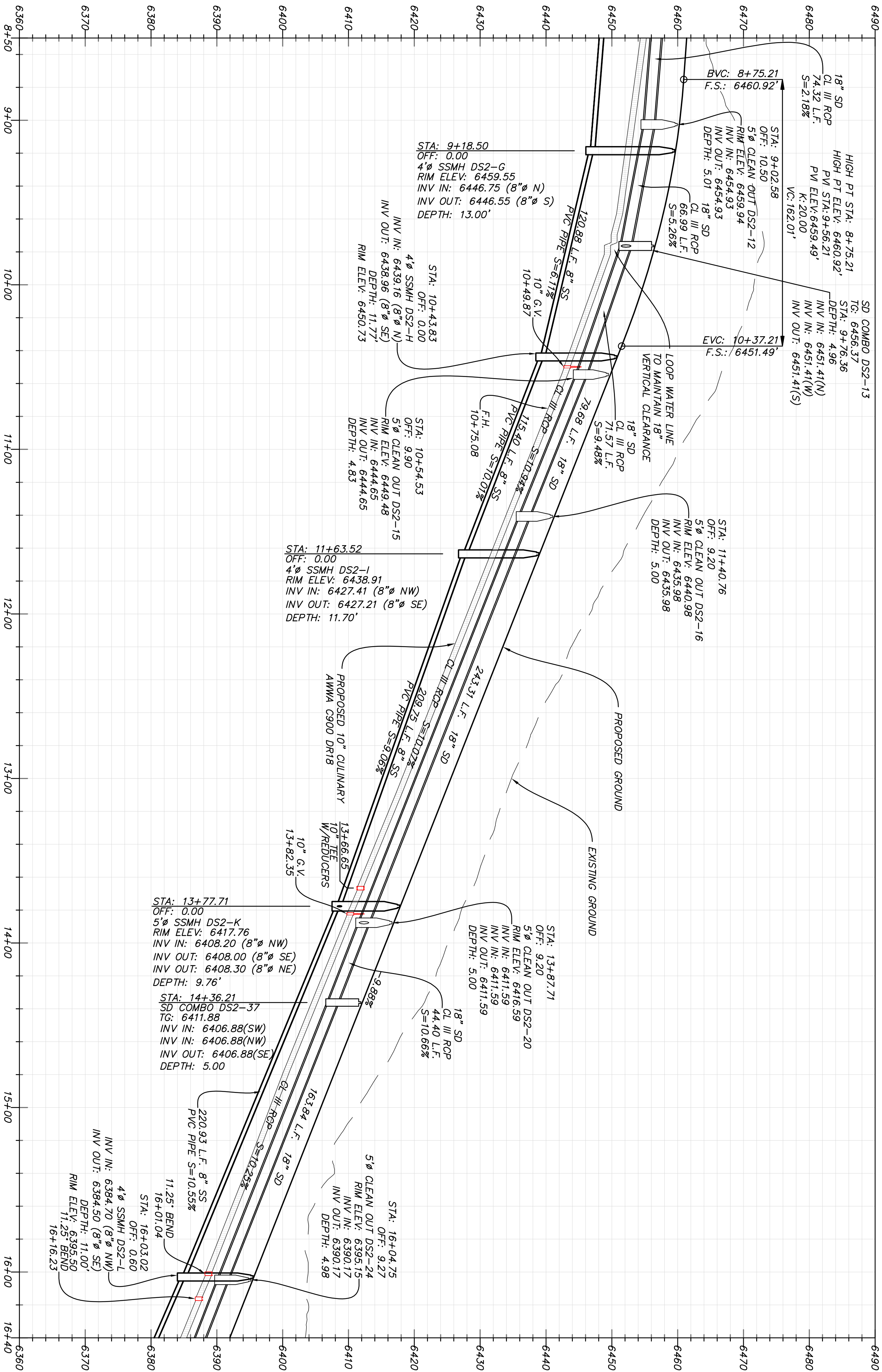
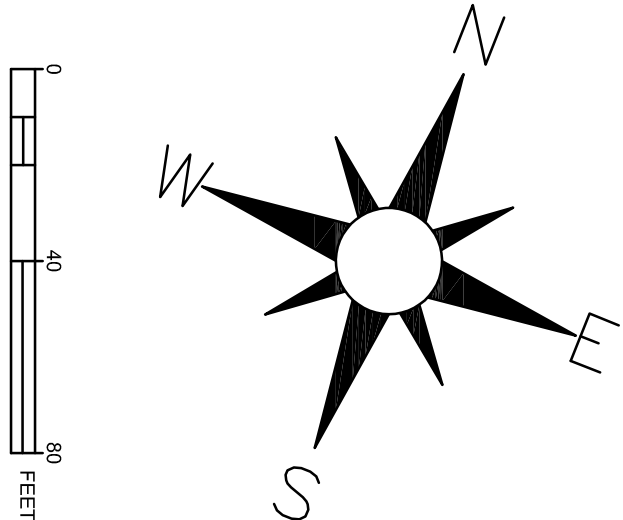
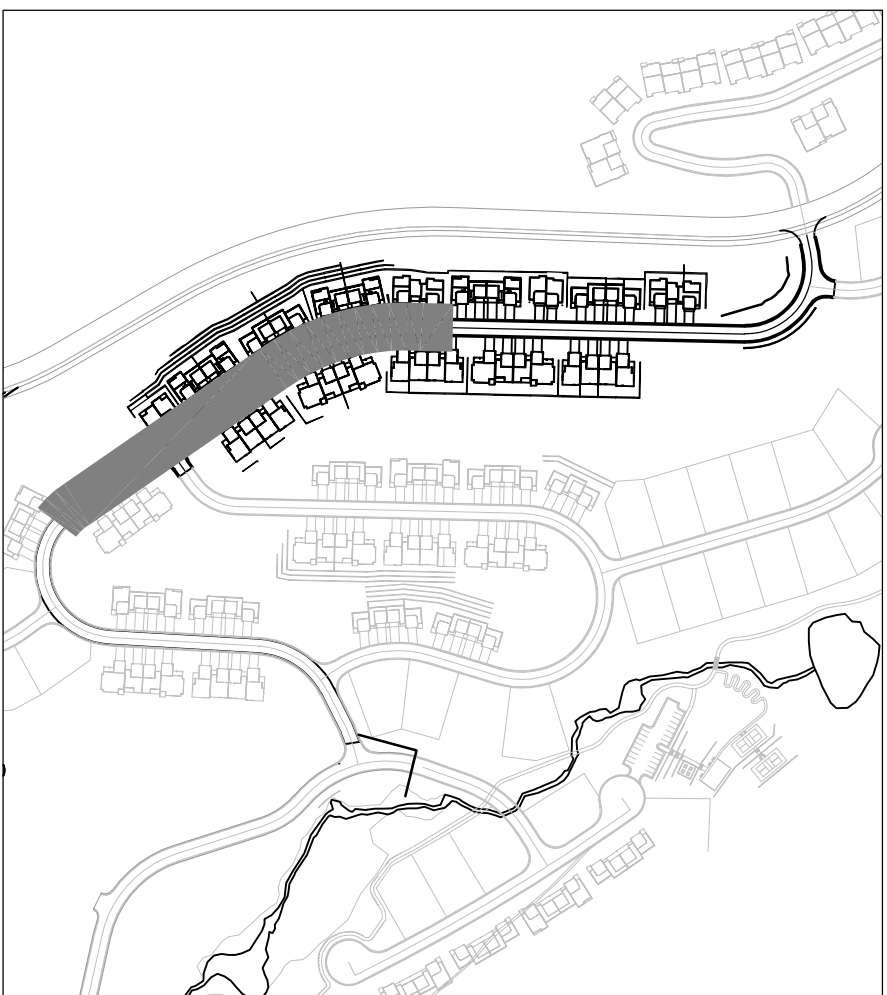
SHEET NUMBER
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OF 23 SHEETS
DRAWING NAME
PP01





MOUNTAIN VIEW DRIVE

STA: 8+50 TO 16+40



DESIGNED BY: DCG

DATE: DEC, 2019

REV:

OWN BY: JTA

SOLICITATION NO:

SUBMITTED BY:

CONTRACT NO: 00720

FILE NAME: N:\00720 Holmes Deer Springs\Cadd\VP\PHASE 2\17 PP04

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PLOT DATE: 5/10/2021 10:33:52 AM

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DATE

CITY ENGINEER

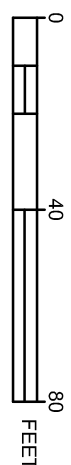
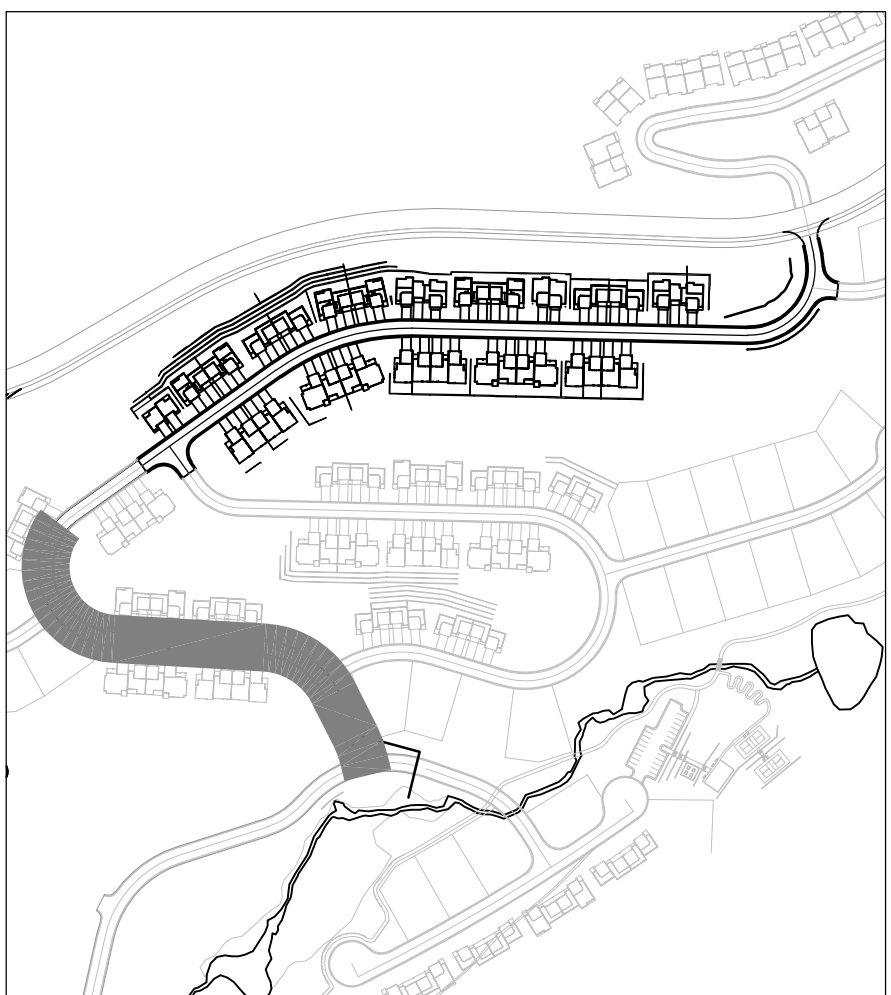
HIDEOUT CITY

LICENSED PROFESSIONAL ENGINEER
NO. 5049576
TYLER V. WHITE
6/11/14
STATE OF UTAH

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15
OF 23 SHEETS
DRAWING NAME
PP02

DEER SPRINGS
PHASE 2A
PLAN AND PROFILE – MOUNTAIN VIEW
DRIVE



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CITY ENGINEER DATE

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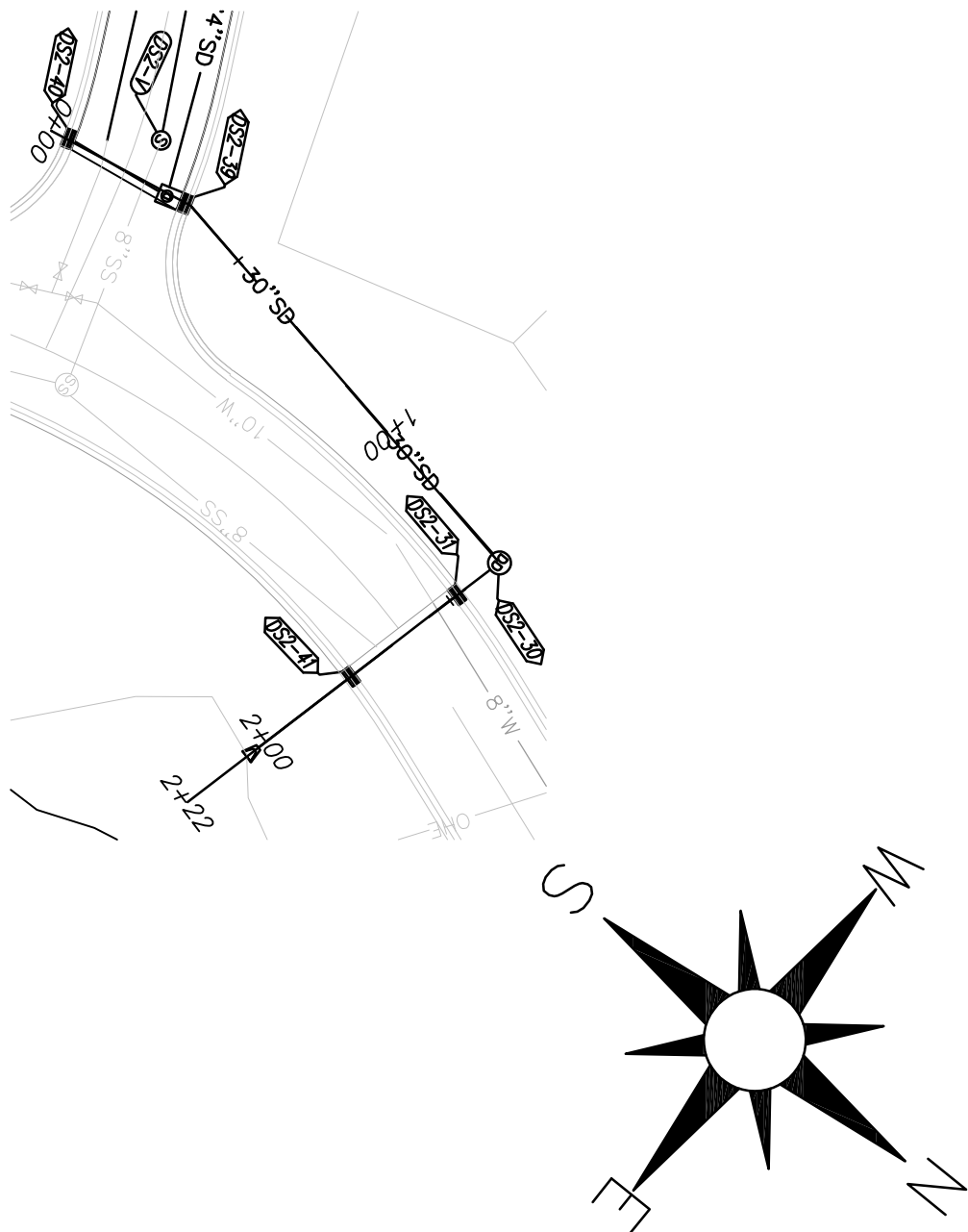
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DEER SPRINGS
PHASE 2A

OF 23 SHEETS

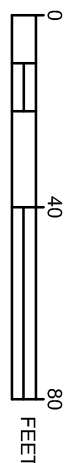
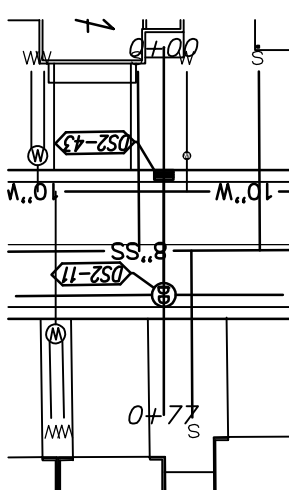
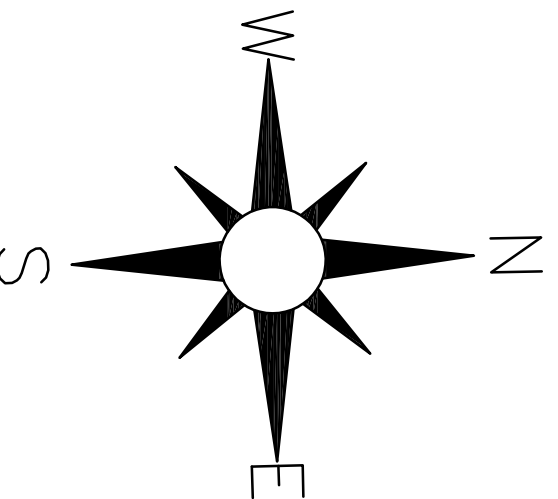
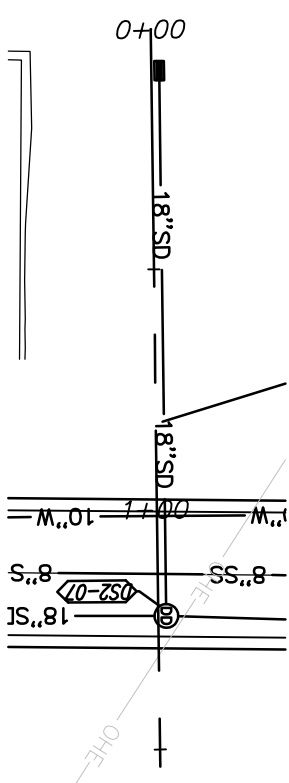
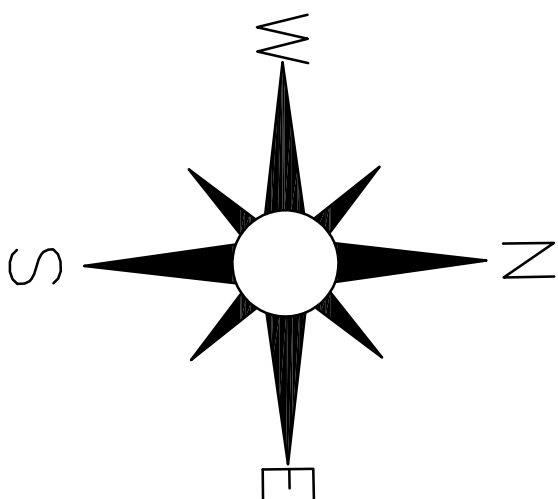
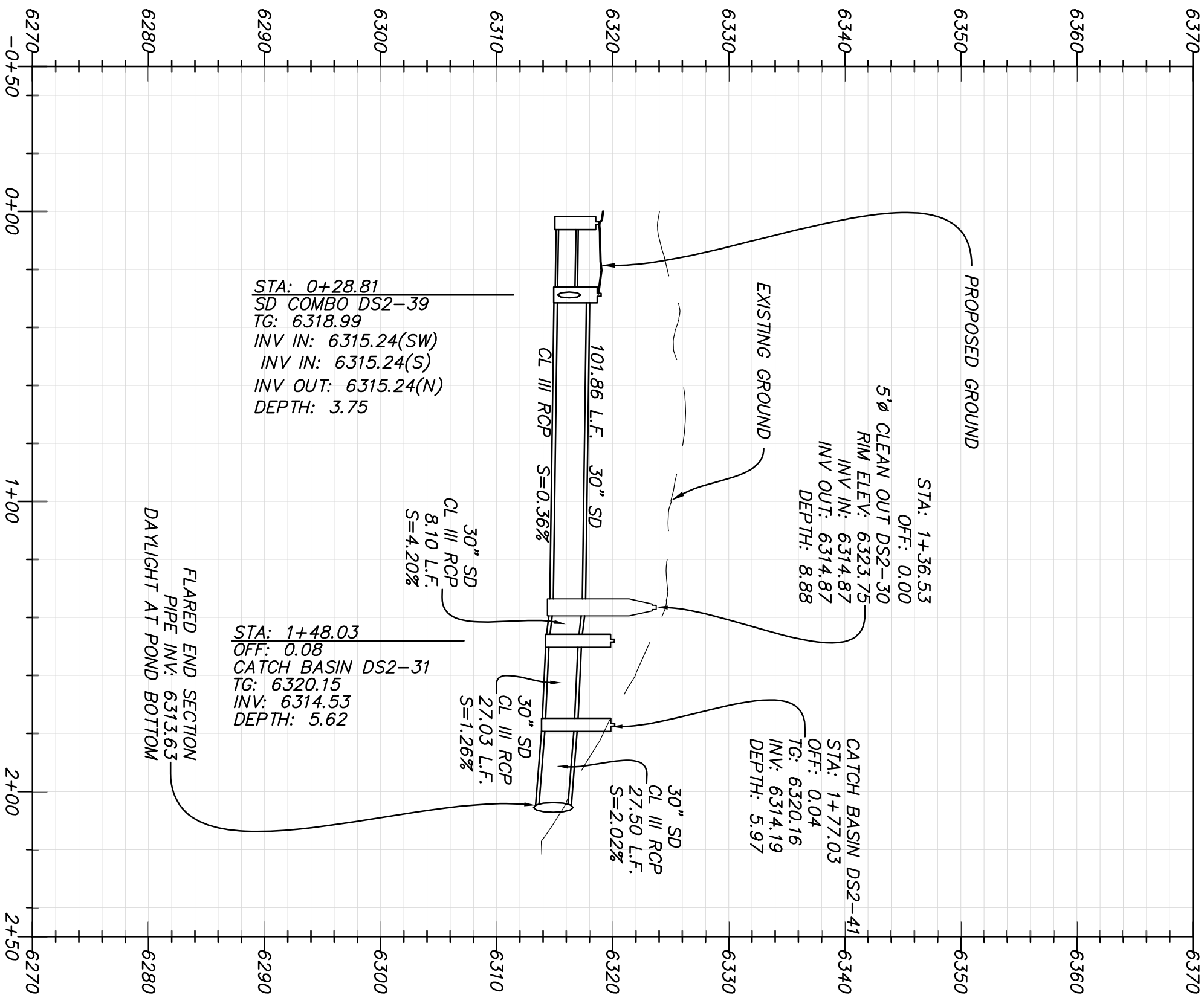
DRAWING NAME

$$PPO_3$$

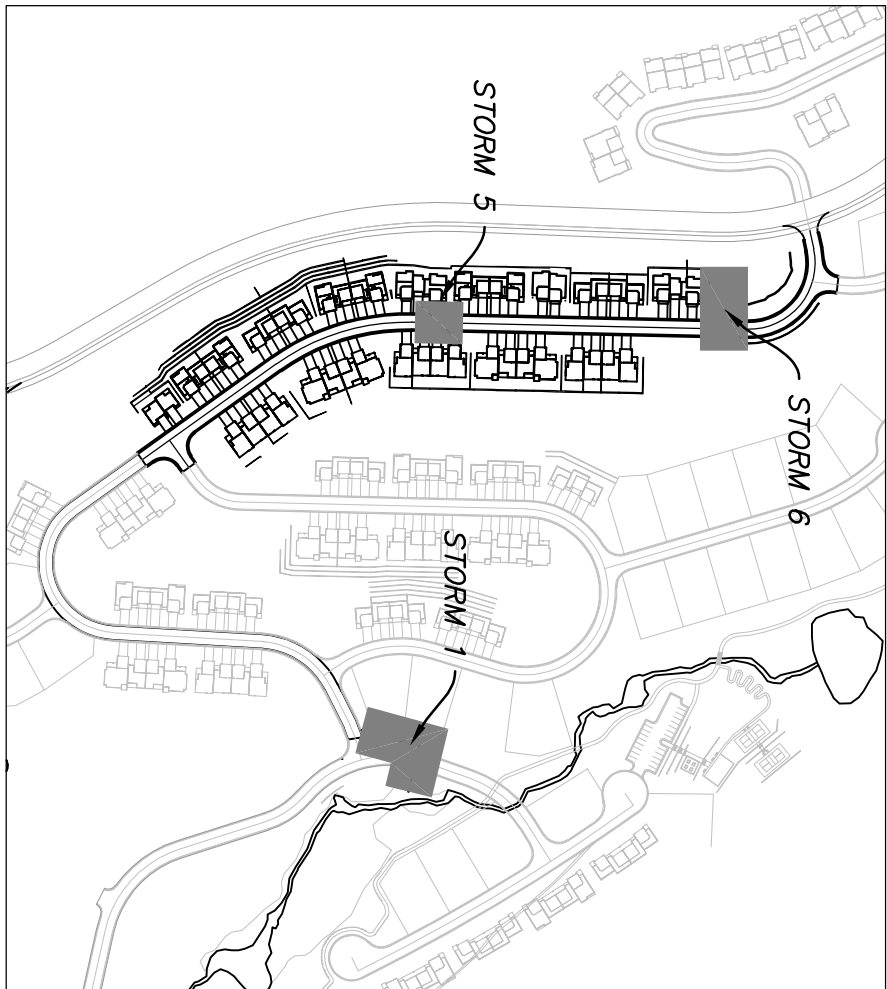



RIDGE HEIGHTS CIRCLE

STA: -0+50 TO 2+50

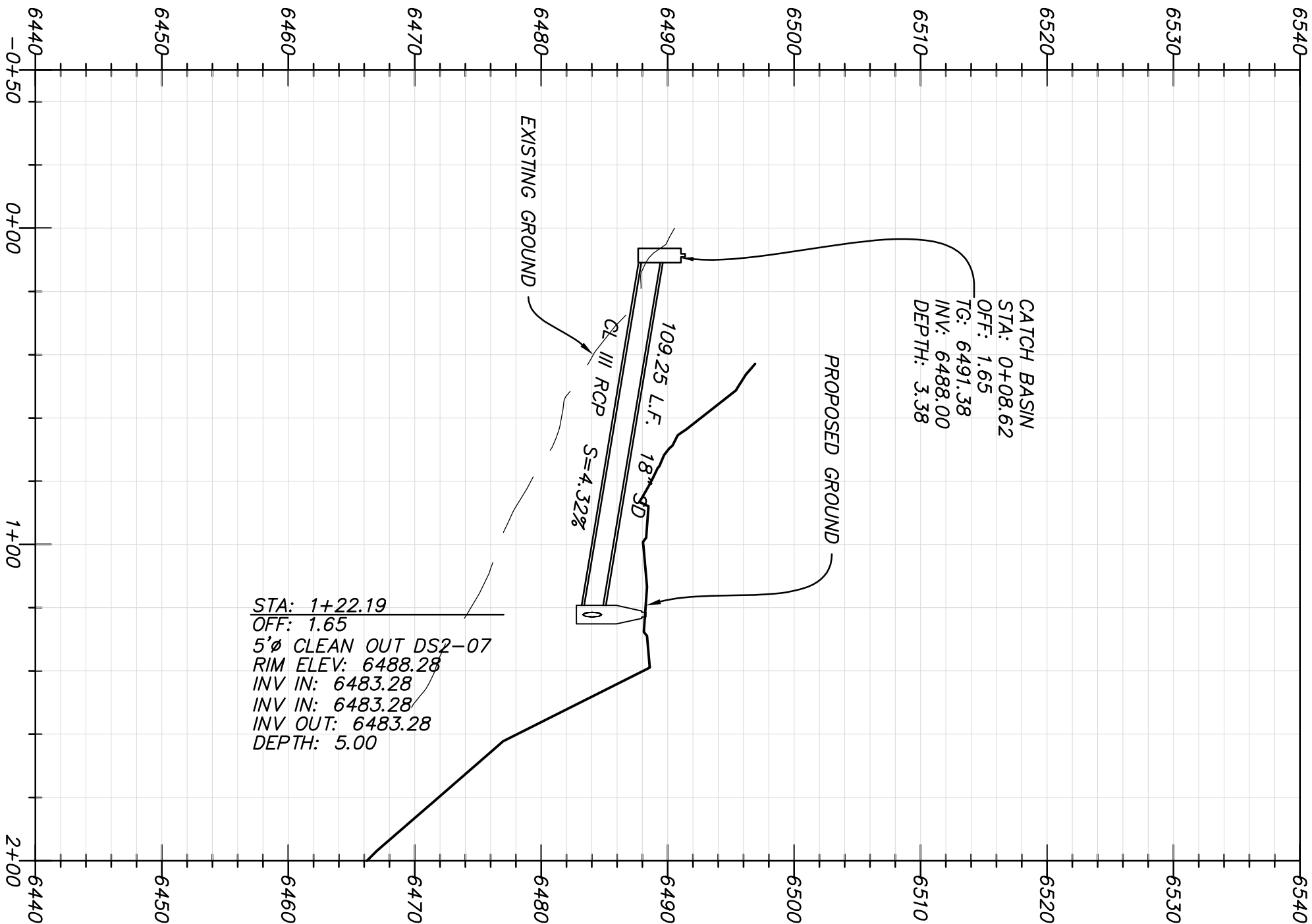


KEY MAP



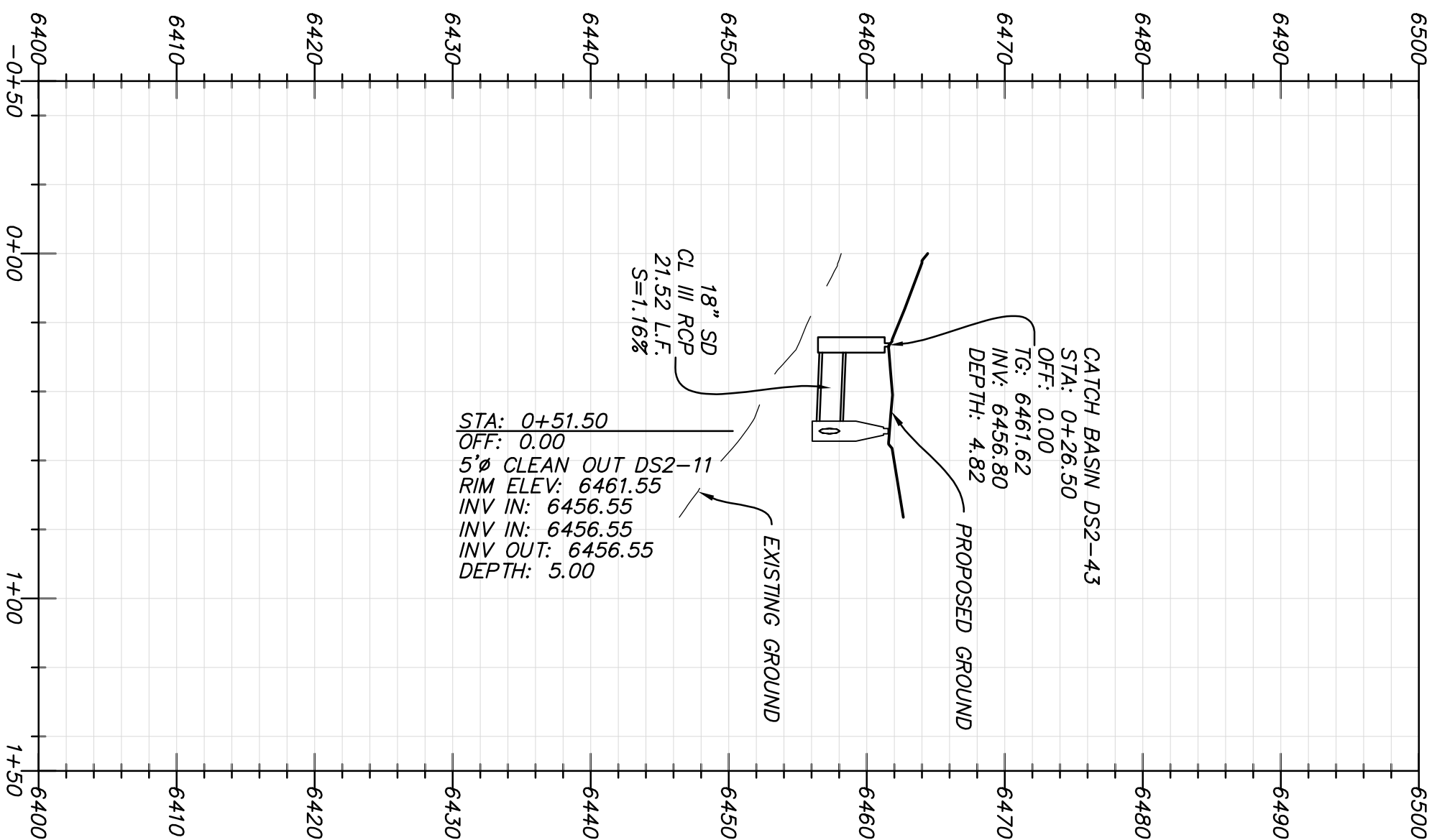
STORM 6

STA: -0+50 TO 2+00



STORM 5

STA: -0+50 TO 1+50

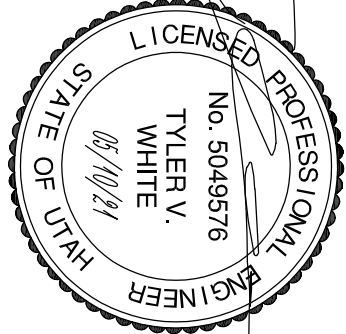


DEER SPRINGS
PHASE 2A
PLAN AND PROFILE - RIDGE HEIGHTS
CIRCLE, STORM 6 & STORM 5

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| DESIGNED BY: DCG | DATE: DEC. 2019 | REV: |
| DWN BY: AL | CRD BY: JTA | SOLICITATION NO: |
| SUBMITTED BY: | CONTRACT NO: 00720 | |
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HIDEOUT CITY

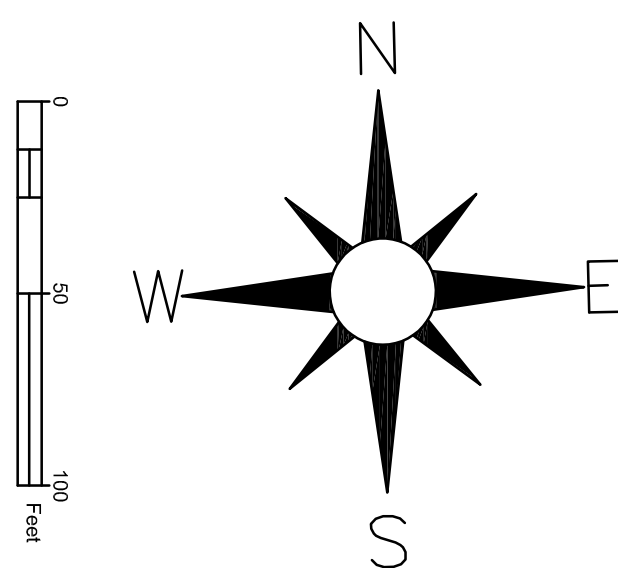
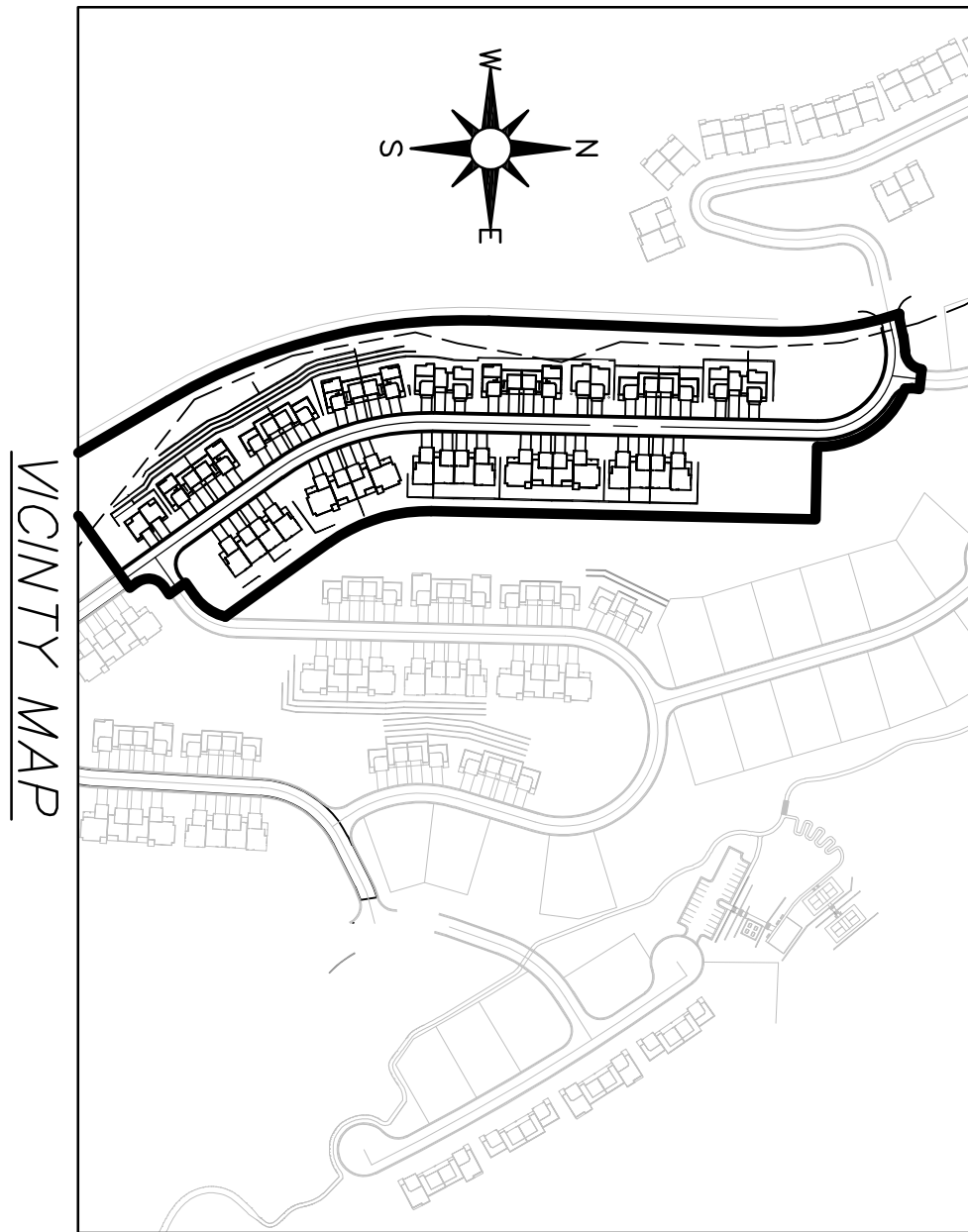




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DEER SPRINGS
PHASE 2A
EROSION CONTROL PLAN

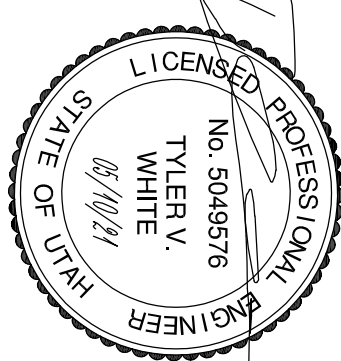
SHEET NUMBER
18
OF 23 SHEETS
DRAWING NAME
EC01

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| DESIGNED BY: DCG | DATE: DEC. 2019 | REV: |
| DWN BY: AL | CRD BY: JTA | SOLICITATION NO: |
| SUBMITTED BY: | CONTRACT NO: 00720 | |
| FILE NAME: N:\00720 Holmes Deer Springs\Cadd\VP\PHASE 2\18 EC01 | | |
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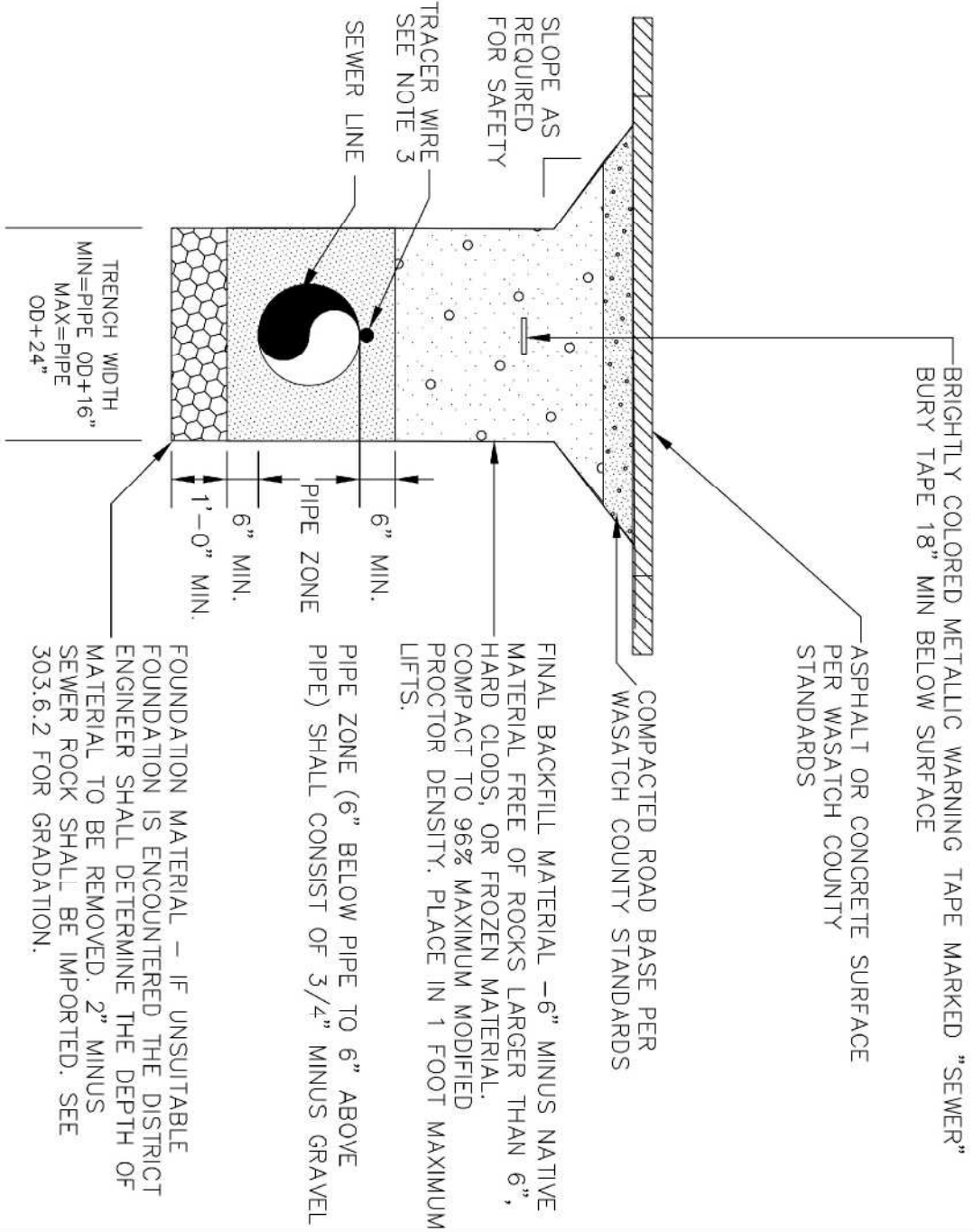
CITY ENGINEER DATE

HIDEOUT CITY



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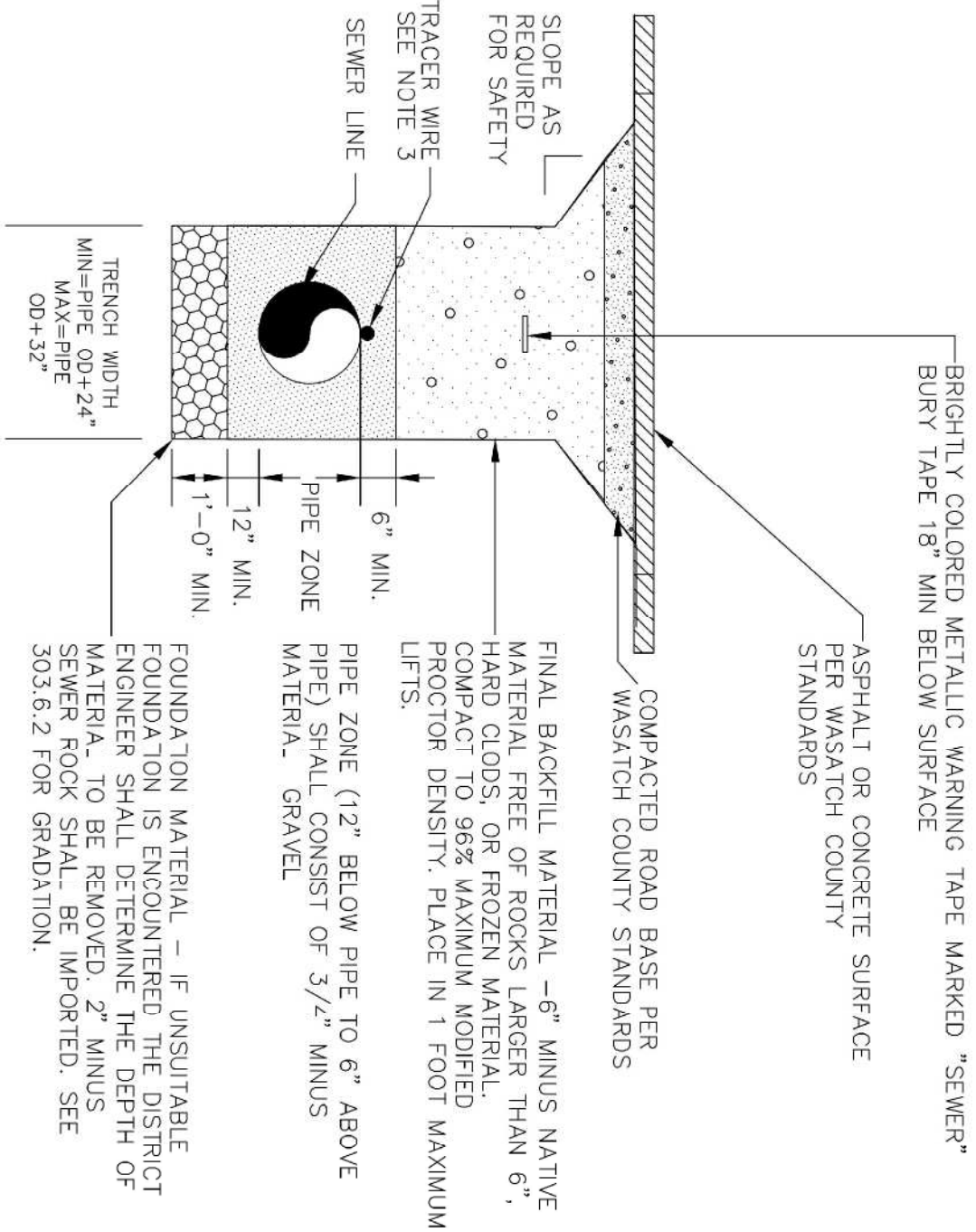
9089 SOUTH 1300 WEST, SUITE 160
801 628-0004 TEL 801-590-0611 FAX
WEST JORDAN, UT 84088
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- NOTES:
1. SEE SPECIFICATIONS FOR SPECIFIC MATERIAL REQUIREMENTS.
 2. BACKFILL UNDER WALKS, TRAILS, ETC. SHALL BE STRUCTURAL FILL COMPACTED TO 96% OF MAXIMUM MODIFIED PROCTOR DENSITY.
 3. TRACER WIRE SHALL BE #12 - GAUGE, 600 VOLT COPPER WIRE. PVC JACKETED FOR UNDERGROUND SERVICES. PROVIDE SURFACE CONNECTIONS AT ALL CLEANOUTS AND MANHOLES. WIRE CONTINUITY WILL BE SUBJECT TO DISTRICT TESTING DURING AND AFTER CONSTRUCTION. CONTRACTOR SHALL FIX ANY DAMAGED LINES TO THE SATISFACTION OF THE DISTRICT.

SEWER LINE DETAIL IN ROADWAY

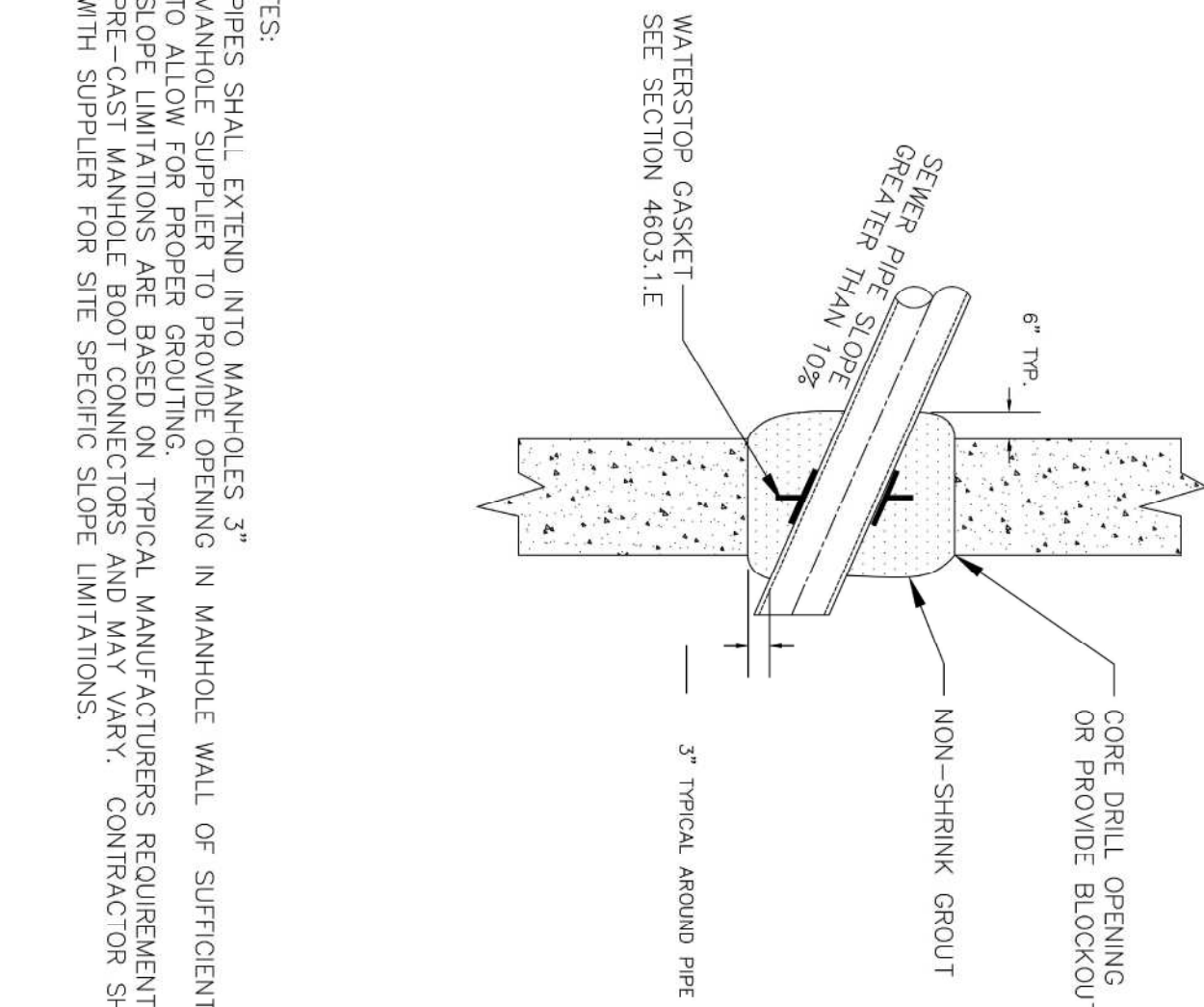
DWG. 300.1



- NOTES:
1. SEE SPECIFICATIONS FOR SPECIFIC MATERIAL REQUIREMENTS.
 2. BACKFILL UNDER WALKS, TRAILS, ETC. SHALL BE STRUCTURAL FILL COMPACTED TO 96% OF MAXIMUM MODIFIED PROCTOR DENSITY.
 3. TRACER WIRE SHALL BE #12 - GAUGE, 600 VOLT COPPER WIRE. PVC JACKETED FOR UNDERGROUND SERVICES. PROVIDE SURFACE CONNECTIONS AT ALL CLEANOUTS AND MANHOLES. WIRE CONTINUITY WILL BE SUBJECT TO DISTRICT TESTING DURING AND AFTER CONSTRUCTION. CONTRACTOR SHALL FIX ANY DAMAGED LINES TO THE SATISFACTION OF THE DISTRICT.

SEWER LINE DETAIL IN ROADWAY - ROCK TRENCH

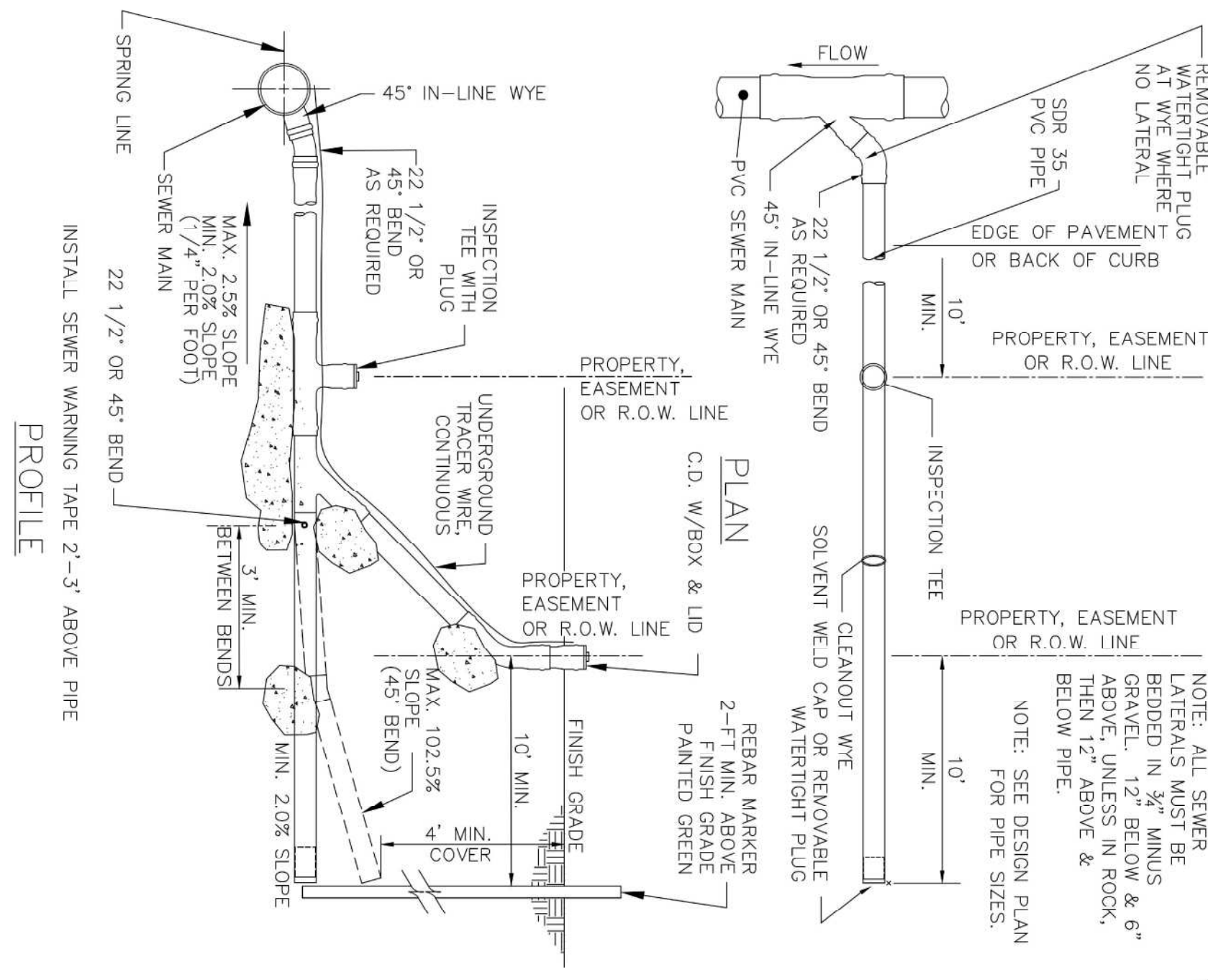
DWG. 300.1A



- NOTES:
1. PIPES SHALL EXTEND INTO MANHOLES 3".
 2. MANHOLE SUPPLIER TO PROVIDE OPENING IN MANHOLE WALL OF SUFFICIENT CLEARANCE TO ALLOW PROCTOR DENSITY TESTING.
 3. SLOPE LIMITATIONS ARE BASED ON TYPICAL MANUFACTURERS REQUIREMENTS FOR PRE-CAST MANHOLE BOOT CONNECTORS AND MAY VARY. CONTRACTOR SHALL CHECK WITH SUPPLIER FOR SITE SPECIFIC SLOPE LIMITATIONS.

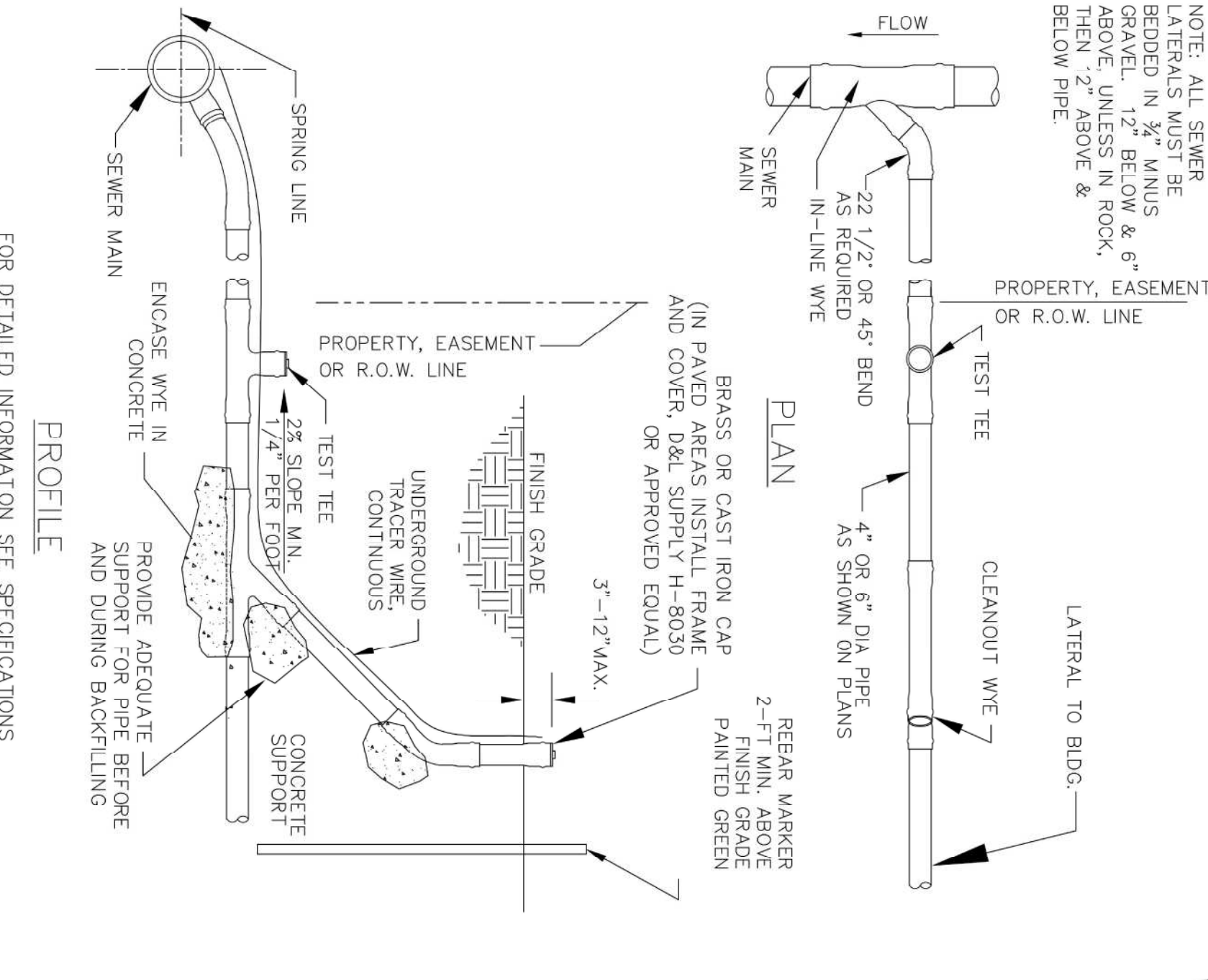
PIPE - MANHOLE CONNECTION

DWG. 300.11



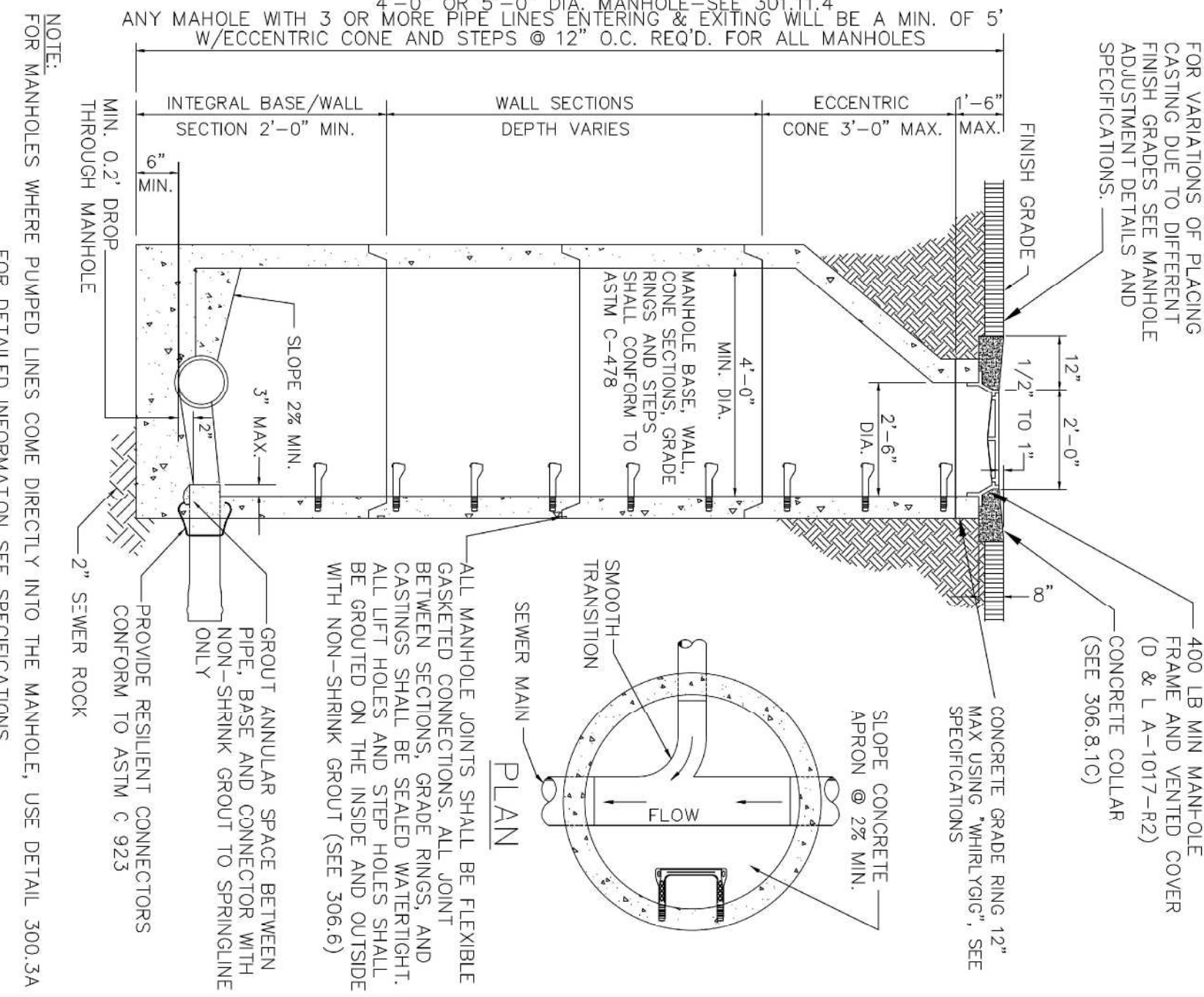
SANITARY SEWER PROFILE

DWG. 300.14



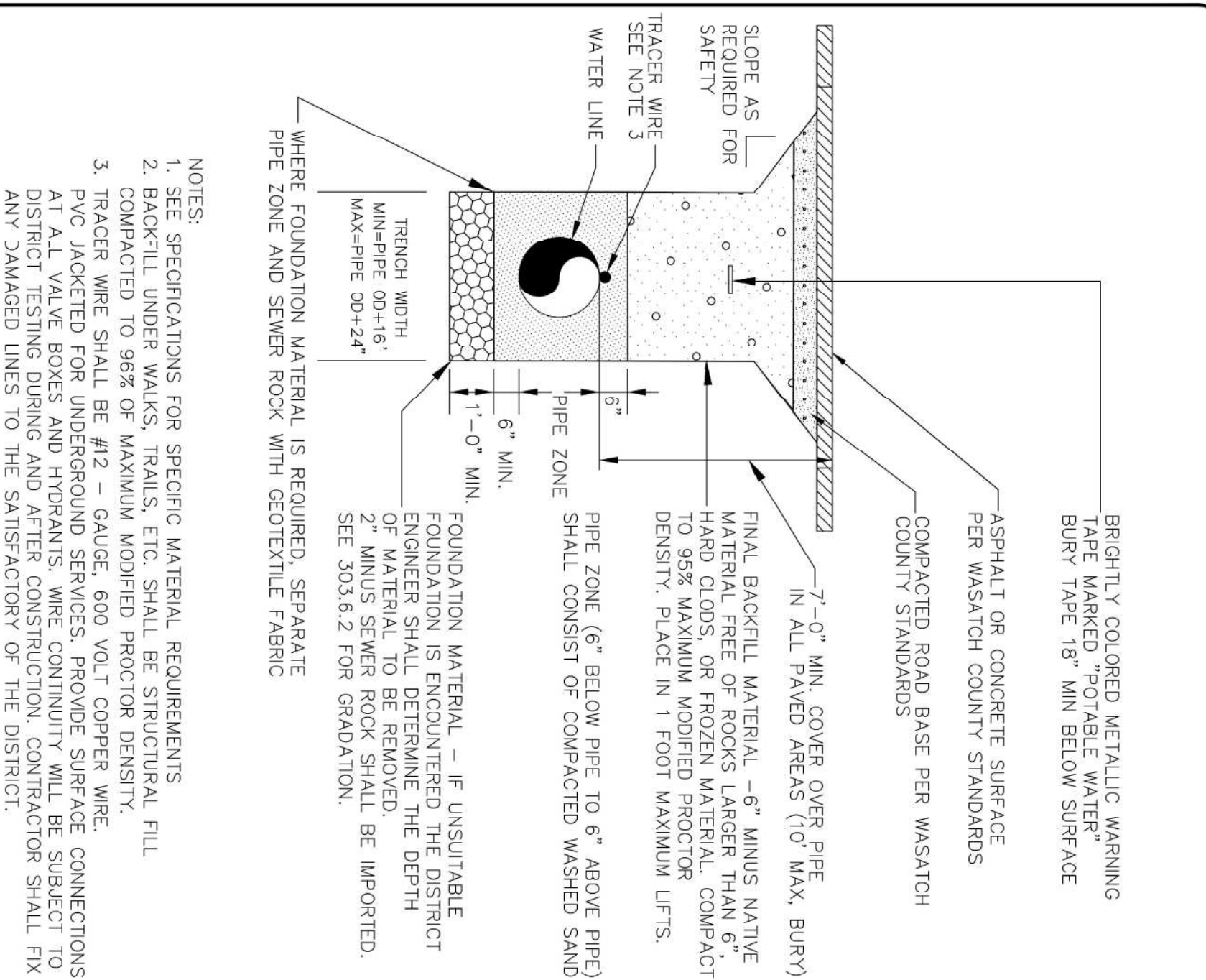
SANITARY SEWER CLEANOUT

DWG. 300.17



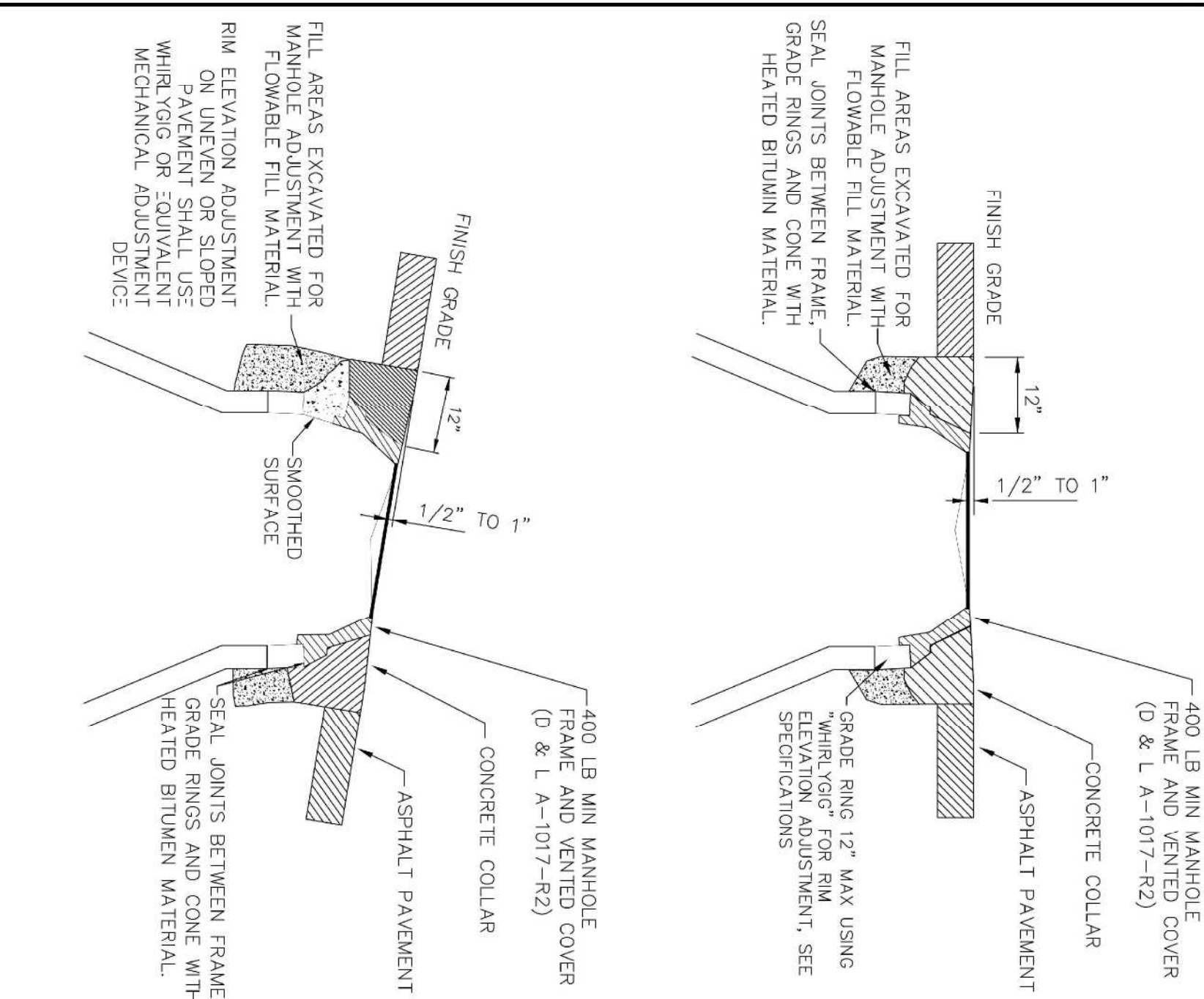
PRECAST MANHOLE

DWG. 300.3



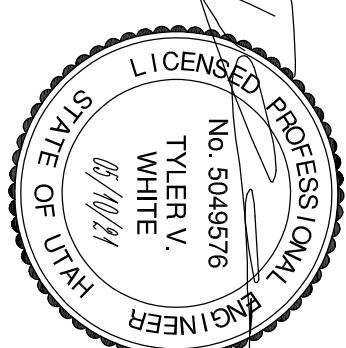
WATER LINE DETAIL IN ROADWAY

DWG. 400.1



MANHOLE ADJUSTMENT WITHIN PAVEMENT

DWG. 300.7



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|---|-----------------------------|-----------------|
| DESIGNED BY: DCG | DATE: DEC. 2019 | REV: |
| DWN BY: AL | CRD BY: JTA | SUBMITTANCE NO: |
| SUBMITTED BY: | CONTRACT NO: 00720 | |
| FILE NAME: N:\00720 Holmes Deer Springs\Code\UP\PHASE 2\22 D104 | | |
| PLOTTED BY: | DATE: 5/10/2021 10:38:08 AM | |
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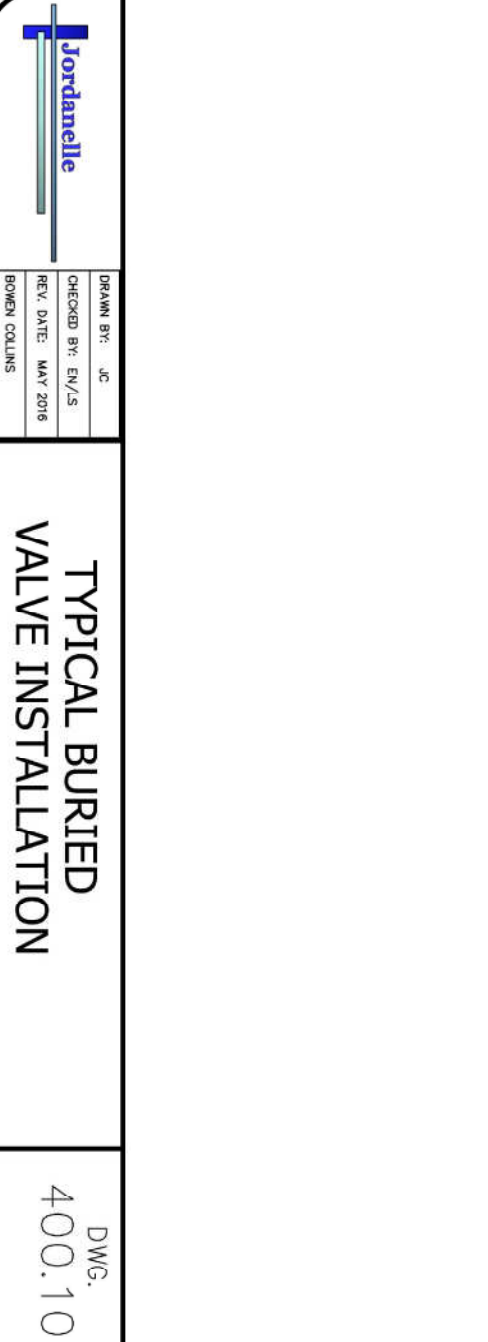
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CITY ENGINEER DATE

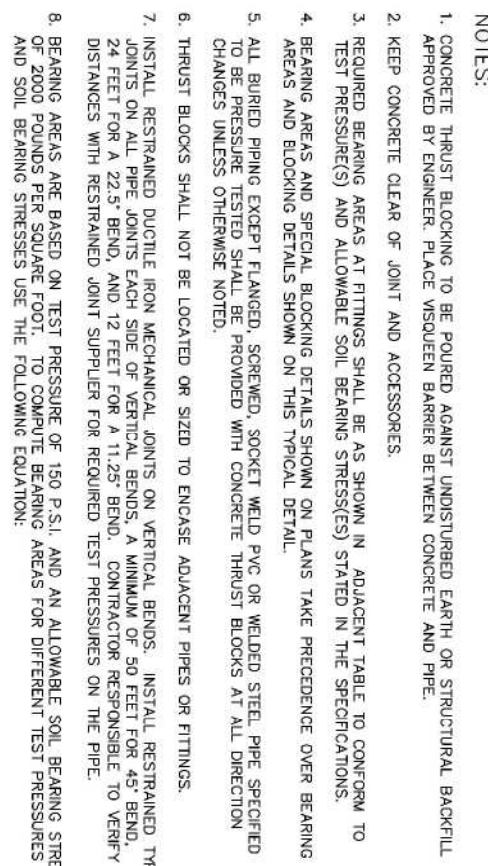
HIDEOUT CITY

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|--------------|------|
| SHEET NUMBER | 20 |
| OF 23 SHEETS | |
| DRAWING NAME | D102 |

DEER SPRINGS
PHASE 2A
DETAILS



| | | | |
|---|---|-----------|--------------------|
|  | STANDARD FABRICATION & FINISHING SPECIFICATION FABRICATED STEEL PIPE & FITTINGS TO BE SCHEDULE NO. 40 STEEL PIPE. FOR SIZES TO 10" AND 3/8" WALL FOR 12" AND LARGER. ALL PIPE INSIDE WETTED SURFACES TO BE SANDBLASTED, EPOXY LINED AND COATED TO AWWA C-210 AND NSF-61 SPECIFICATION. FINISH COATING WILL BE BLUE ENAMEL. | | D/M/O. 400.1.5B |
| | DRAWING NO. | SHEET NO. | |
| | PROJECT MECHANICAL NOTES | | |



| FITTING SIZE | TENSILE PROPERTIES | | PERCENT ELONGATION | | 45° BEND | | 11.44° BEND | |
|--------------|---------------------|-----------------------|--------------------|-------|----------|-------|-------------|-------|
| | YIELD STRENGTH, MPa | TENSILE STRENGTH, MPa | 20°C | 100°C | 100°C | 100°C | 100°C | 100°C |
| 4" | 14 | 58 | 19 | 14 | 1.0 | 1.0 | 1.0 | 1.0 |
| 6" | 23 | 46 | 46 | 29 | 2.1 | 1.1 | 1.0 | 2.1 |
| 8" | 48 | 63 | 68 | 3.7 | 1.9 | 1.0 | 1.4 | 3.8 |
| 10" | 73 | 103 | 10.3 | 7.3 | 5.6 | 2.8 | 1.4 | 5.5 |
| 12" | 103 | 145 | 14.5 | 10.3 | 7.6 | 7.0 | 2.0 | 7.5 |
| 16" | 178 | 252 | 25.2 | 17.8 | 13.6 | 7.9 | 3.5 | 13.5 |
| 18" | 224 | 317 | 31.7 | 22.4 | 17.1 | 8.7 | 4.4 | 16.8 |
| 20" | 272 | 389 | 38.9 | 27.2 | 20.0 | 10.7 | 5.4 | 20.8 |
| 24" | 332 | 554 | 55.4 | 33.2 | 30.0 | 15.3 | 7.7 | 26.5 |

WATER SUPPLY/TRANSMISSION LINE THRUST BLOCKING
(TYTON JOINT PIPE)



DWG.
400.16



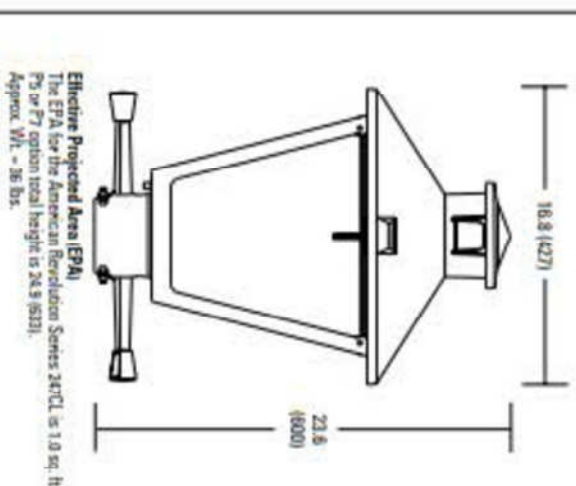
PRODUCT OVERVIEW

American Revolution Full Cutoff LED
Series 247C

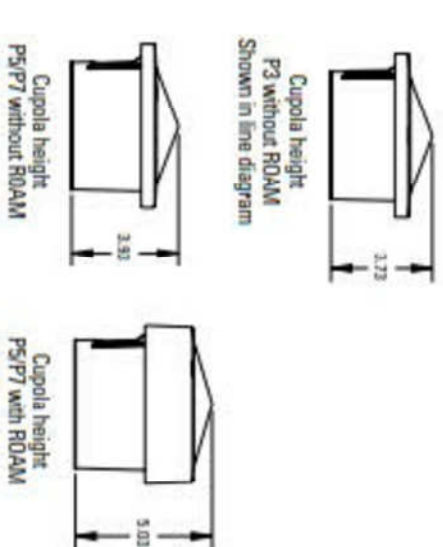
Features:

- The best minimum housing and board form factor for long-life performance
- The least-fingered chip (TL) and copper thru-hole options available for special access to internal components
- Special assembly designed for maximum performance, available in Type II, Type III and Type IV
- Ringed bond and capton thru-hole process provides robust, easy access to all components
- Operates with three air stream flows across installation to pull static < 38V or 0.0
- Large precision device (standard accepted: ANSI C24 Category C)
- Comes with ANSIs C192 A, C192 B, C192 L, C192 M
- ANSIs tested and suitable for up to 36°C ambient
- High LED life (mean time between failures) over 100,000 hours at 25°C
- Replaces up to 15WV RPTs across purchase models
- Resistant to ESD (non-damable drive)
- Electrical Noise Containment (ENC) qualified product. Note: All versions of this product may be D.C. qualified. Please check the D.C. Qualified products listing at www.xk.com/dcdc-qualified to confirm which versions are qualified.

Applications:

Streetscapes
Walkways
Pathways
Parks

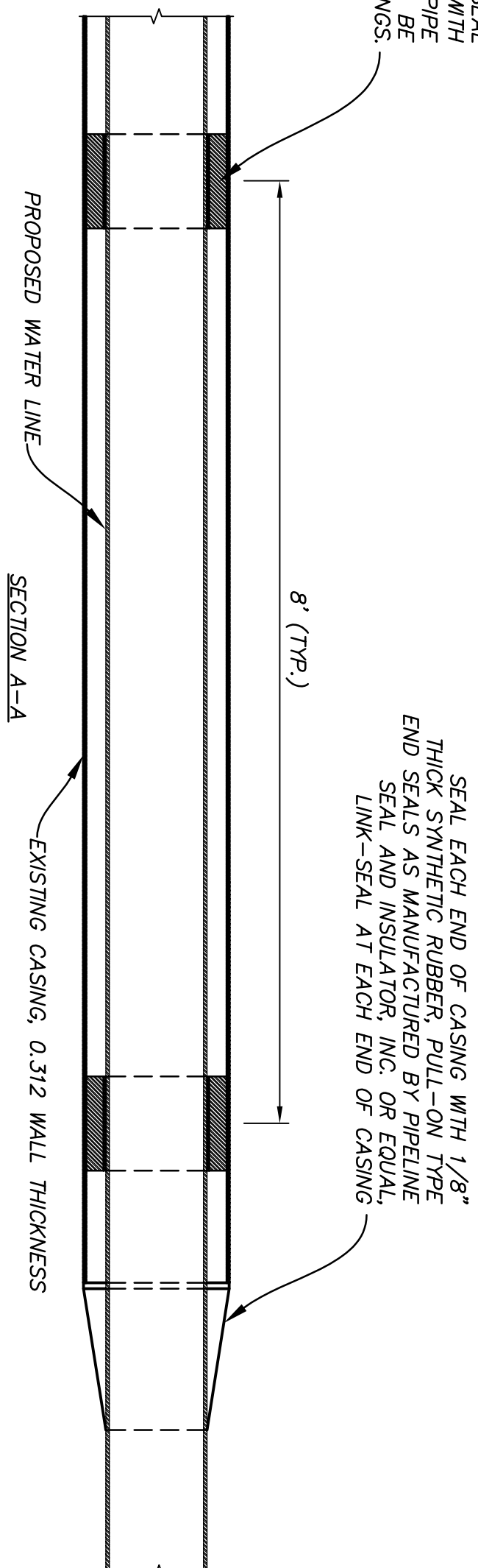
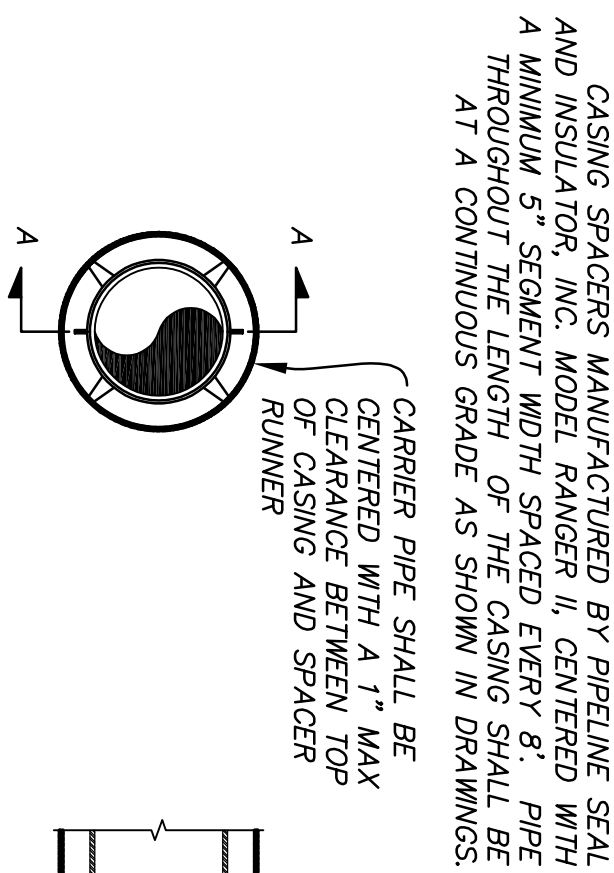
DIMENSION



The EPA for the American Revolution Series 240CL is 1.0 sq. ft. PS or P7 option total height is 24.9 (623). Approx. Wt. = 36 lbs.

Note: Specifications subject to change without notice.
American Revolution Full Cutoff Series 247CL LED

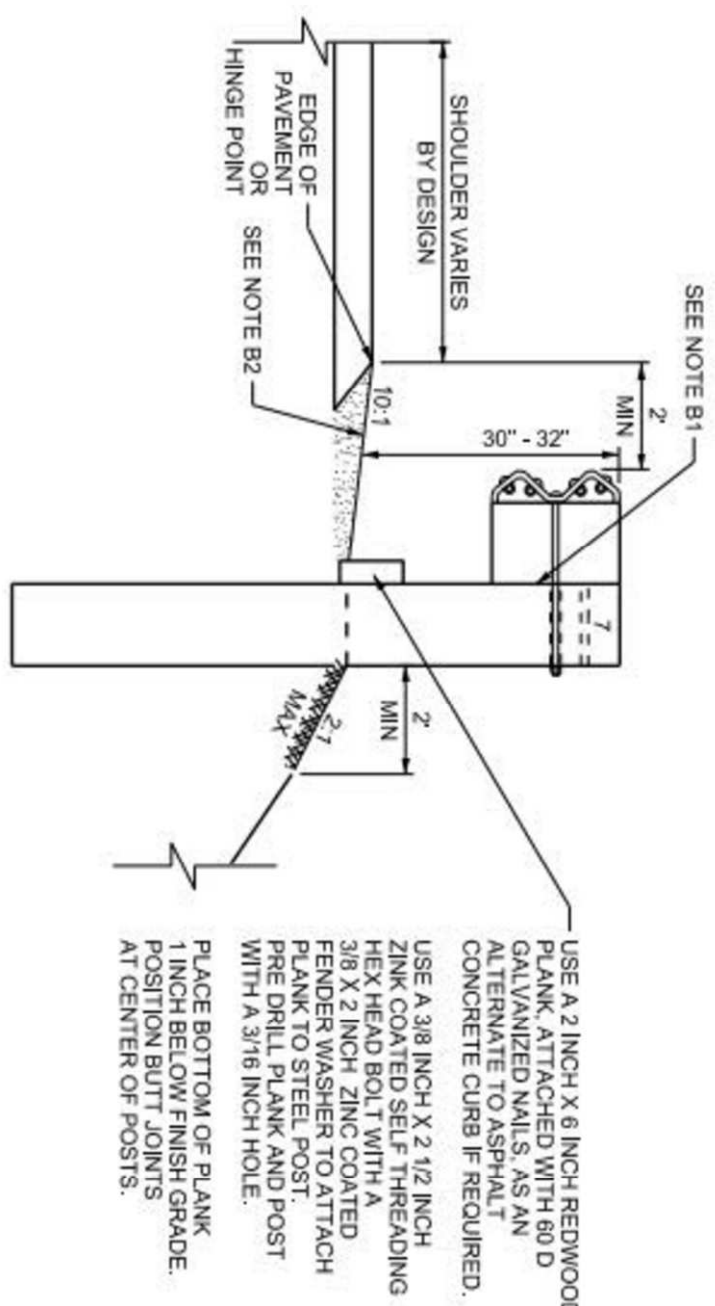
AEL
American
Electric
Lighting



NOTES:

1. CARRIER PIPE SHALL BE TESTED BEFORE SEALING THE ENDS OF THE CASING.
2. SPACERS SHALL BE SECURELY ATTACHED TO CARRIER PIPE PER MANUFACTURER'S REQUIREMENTS.
3. INSTALL CASING SPACERS WITHIN 1' OF EACH END OF CASING

EXISTING CASING DETAIL
SCALE: NTS



NOTES:

B1. USE BOTTOM HOLE OF POST TO SET INITIAL RAIL HEIGHT

SHEET NUMBER

OF 23 SHEETS

DRAWING NAME

D104

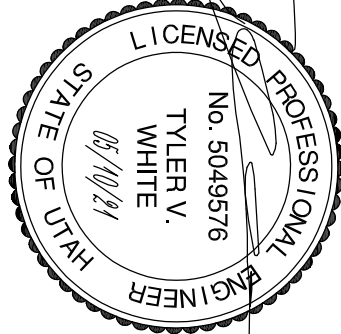
DEER SPRINGS PHASE 2A DETAILS

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| DESIGNED BY: DCG | | DATE: DEC. 2019 | REV: |
| DWN BY: AL | CKD BY: JTA | SOLICITATION NO: | |
| SUBMITTED BY: | | CONTRACT NO: 00720 | |
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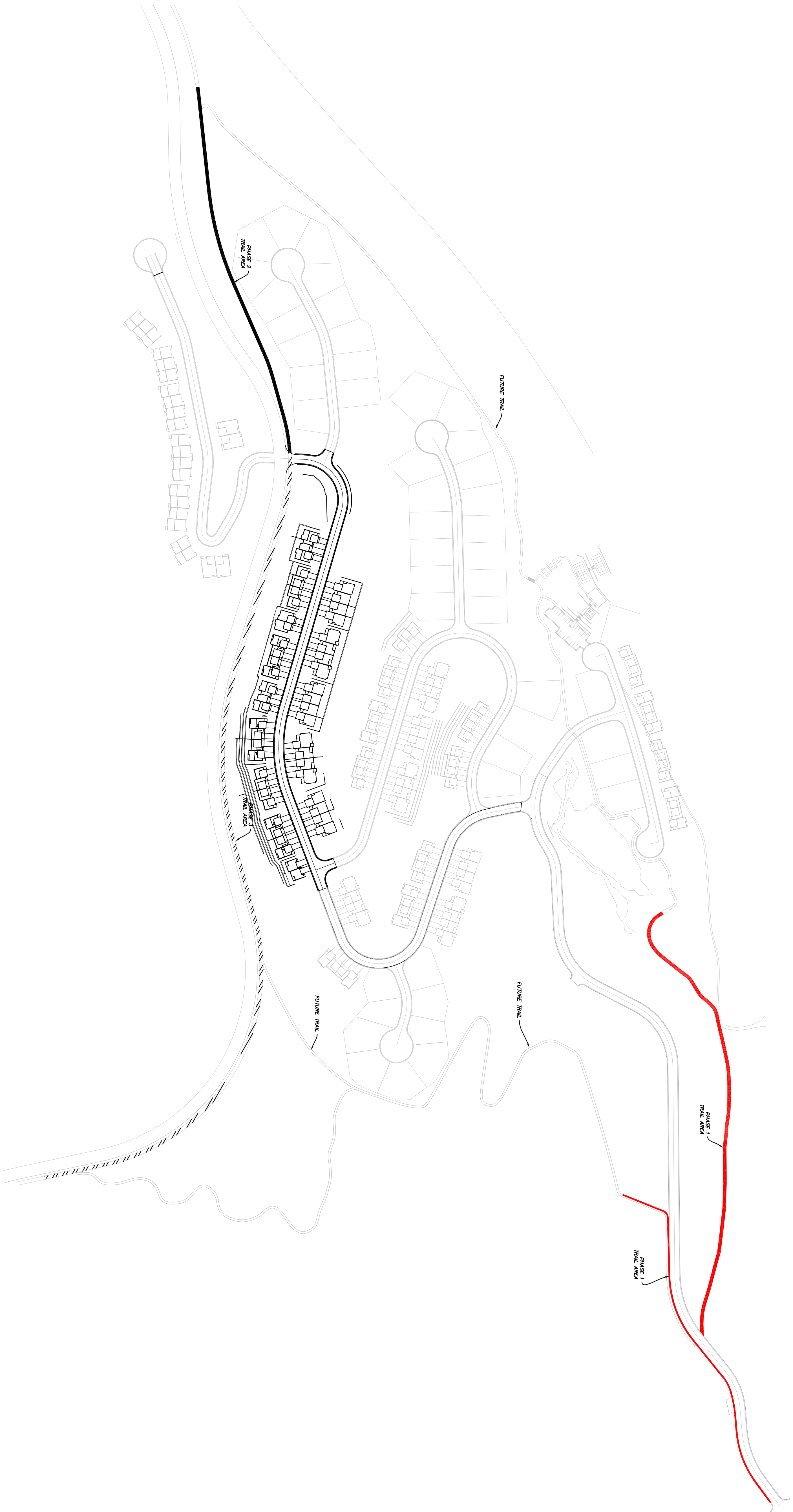
HIDEOUT CITY

HIDEOUT CITY



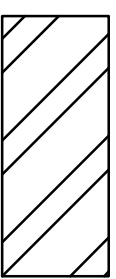
9089 SOUTH 1300 WEST, SUITE 160
801.628.6004 TEL 801.590.6611 FAX

WEST JORDAN, UT 84088
WWW.PERIGEECIVIL.COM



PHASE 1 TRAIL AREA = 2,426 L.F.

PHASE 2 TRAIL AREA = 1,126 L.F.



PHASE 3 TRAIL AREA = 2,553 L.F.

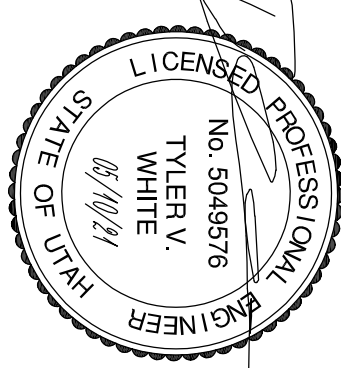


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| DESIGNED BY: DCG | | DATE: DEC. 2019 | REV: |
| DWN BY: AL | CKD BY: JTA | SOLICITATION NO: | |
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| MARK | DESCRIPTION | DATE | APPR. |

CITY ENGINEER DATE

HIDEOUT CITY



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DEER SPRINGS
PHASE 2A
TRAIL EXHIBIT

SHEET NUMBER
23
OF 23 SHEETS
DRAWING NAME
EX01

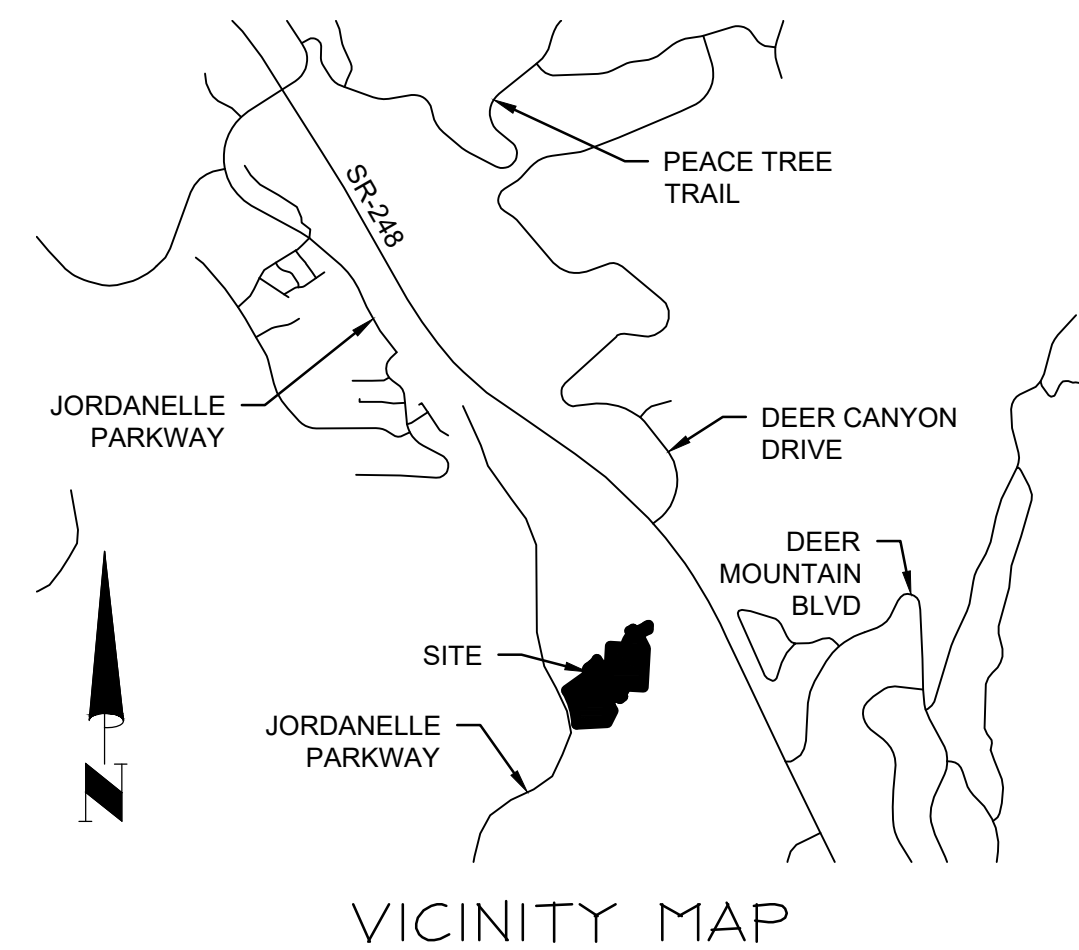
File Attachments for Item:

2. Public Hearing, discussion and possible action on the final approval of Deer Springs Phase 2B

DEER SPRINGS SUBDIVISION PHASE 2B THE TOWN OF HIDEOUT, WASATCH COUNTY, UTAH

Located in the Northeast Quarter of Section 7, T2S, R5E,
Salt Lake Base and Meridian

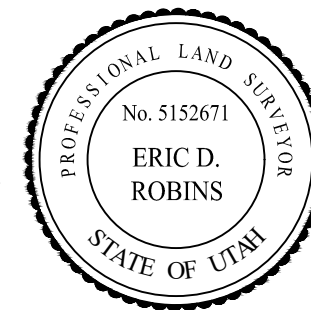
DEER SPRINGS SUBDIVISION
PHASE 1, 1ST AMENDED
BK: 1341 PG: 1286



VICINITY MAP

SURVEYOR'S CERTIFICATE

In accordance with Section 10-9A-603 of the Utah Code, I, Eric D. Robins, do hereby certify that I am a Professional Land Surveyor holding License Number 5152671 in accordance with Title 59, Chapter 22 of the Professional Engineers and Professional Land Surveyors Licensing Act. I further certify that, on behalf of the owners I have completed a survey of the property described on the plat in accordance with Section 17-23-17 of Utah Code, and have verified all measurements, and have placed monuments as represented on the plat.



Eric D. Robins
Professional Land Surveyor
Utah Certificate No. 5152671

Date

BOUNDARY DESCRIPTION:

Beginning at a point on the Easterly Right-of-Way Line of Jordanelle Parkway, said point also being a Southwesterly Corner of the future Deer Springs Subdivision Phase 2B, said point lies South 89°04'50" West 2190.136 feet along the Section Line and South 1789.929 feet from the Northeast Corner of Section 7, Township 2 South, Range 5 East, Salt Lake Base and Meridian and running along said future Deer Springs Subdivision Phase 2B the following (4) courses: 1) North 54°25'40" East 225.680 feet; 2) North 35°34'20" West 15.000 feet to a point on a 30.000 foot radius tangent curve to the right, (radius bears North 54°25'40" East, Chord: North 09°25'40" East 42.426 feet); 3) along the arc of said curve 47.124 feet through a central angle of 90°00'00"; 4) North 54°25'40" East 39.888 feet to a point on a 115.500 foot radius tangent curve to the left, (radius bears North 35°34'20" West, Chord: North 40°10'40" East 56.862 feet); thence along the arc of said curve 57.452 feet through a central angle of 28°30'00"; thence South 35°34'20" East 162.811 feet; thence North 03°16'23" East 241.925 feet; thence South 86°43'37" East 125.645 feet to a point on a 165.650 foot radius non tangent curve to the right, (radius bears South 81°28'40" East, Chord: North 24°39'08" East 92.041 feet); thence along the arc of said curve 93.268 feet through a central angle of 32°15'35" to a point of reverse curvature with a 30.000 foot radius tangent curve to the left, (radius bears North 49°13'05" West, Chord: North 04°04'42" East 35.861 feet); thence along the arc of said curve 36.436 feet through a central angle of 73°24'28" to a point of reverse curvature with 215.500 foot radius tangent curve to the right, (radius bears North 57°22'28" East, Chord: North 31°30'09" West 8.448 feet); thence along the arc of said curve 8.448 feet through a central angle of 02°14'46"; thence North 59°37'14" East 31.000 feet to a point on a 30.000 foot radius non tangent curve to the left, (radius bears North 59°37'14" East, Chord: South 73°33'55" East 41.062 feet); thence along the arc of said curve 45.224 feet through a central angle of 86°22'18"; thence North 63°14'56" East 47.020 feet; thence North 67°03'47" East 15.033 feet to a Westerly corner of Deer Springs Subdivision Phase 1, 1st Amended, recorded as Entry No. 495178 in Book 1341 at Page 1286 in the Office of the Wasatch County Recorder; thence along said Deer Springs Subdivision Phase 1, 1st Amended the following (4) courses: 1) South 26°45'04" East 30.000 feet; 2) South 63°14'56" West 77.100 feet; 3) South 26°45'04" East 101.650 feet; 4) South 43°16'05" East 22.680 feet; thence South 03°16'23" West 319.734 feet; thence North 86°43'37" West 139.567 feet to a point on a 145.500 foot radius non tangent curve to the right, (radius bears North 71°33'44" West, Chord: South 28°10'17" West 53.442 feet); thence along the arc of said curve 53.747 feet through a central angle of 21°09'53" to a point of reverse curvature with a 30.000 foot radius tangent curve to the left, (radius bears South 50°23'47" East, Chord: South 01°50'41" West 36.740 feet); thence along the arc of said curve 39.541 feet through a central angle of 75°31'04"; thence South 54°05'09" West 31.000 feet; thence North 35°54'51" West 0.865 feet to a point on a 30.000 foot radius tangent curve to the left, (radius bears South 54°05'09" West, Chord: North 73°07'42" West 36.288 feet); thence along the arc of said curve 38.971 feet through a central angle of 74°25'43" to a point of reverse curvature with a 145.500 foot radius tangent curve to the right, (radius bears North 20°20'34" West, Chord: South 77°29'54" West 39.699 feet); thence along the arc of said curve 39.824 feet through a central angle of 15°40'55" to a point of compound curvature with a 130.500 foot radius tangent curve to the right, (radius bears North 04°39'38" West, Chord: South 85°32'04" West 0.889 feet); thence along the arc of said curve 0.889 feet through a central angle of 00°23'25"; thence South 09°54'58" West 49.662 feet; thence South 30°19'49" East 57.720 feet; thence South 26°17'34" West 111.673 feet; thence South 87°13'45" West 251.926 feet to said Easterly Right-of-Way Line of Jordanelle Parkway and a point on a 598.690 foot radius non tangent curve to the left, (radius bears South 87°14'14" West, Chord: North 16°30'04" West 284.362 feet); thence along said Jordanelle Parkway the following (2) courses: 1) along the arc of said curve 287.106 feet through a central angle of 27°28'56"; 2) North 30°14'22" West 6.777 feet to the point of beginning.

Property contains 5.708 acres.

OWNER'S DEDICATION

Known all by these presents that we/I the undersigned owner(s) of the described tract of land above, having cause the same to be subdivided into lots and streets to be hereafter known as: DEER SPRINGS SUBDIVISION PHASE 2B do hereby dedicate for perpetual use of the public all parcels of land shown on this plat as intended for public use, and warrant, defend, and save the City harmless against any easements or other encumbrances on the dedicated streets which will interfere with the city's use, operation, and maintenance of the streets and do further dedicate the easements as shown for the use by all suppliers of utility or other necessary services.

In witness whereof I have here unto set my hand this

_____ day of _____ A.D., 20____

NAME: _____ TITLE: _____

INDIVIDUAL ACKNOWLEDGMENT

STATE OF _____, SS
COUNTY OF _____

On this _____ day of _____, 20____, personally

appeared before me, _____, the
signer(s) of the foregoing instrument who duly acknowledged to me that he/she/they executed the same.

Commission Number _____ My Commission expires _____

Name, Notary Public Commissioned in Utah

WASATCH COUNTY RECORDER

ENTRY NO. _____

FEE PAID _____
FILED FOR RECORD AND RECORDED THIS

DAY OF _____, 2021, IN BOOK _____, AT PAGE _____ OF THE
OFFICIAL RECORDS

DEPUTY COUNTY RECORDER

HOLMES WESTERN DEER SPRINGS LLC
00-0021-3-163

| LOT | ADDRESS |
|-----|----------------|
| 251 | xx S. ROAD XXX |
| 252 | xx S. ROAD XXX |
| 253 | xx S. ROAD XXX |
| 254 | xx S. ROAD XXX |
| 255 | xx S. ROAD XXX |
| 256 | xx S. ROAD XXX |
| 257 | xx S. ROAD XXX |
| 258 | xx S. ROAD XXX |
| 259 | xx S. ROAD XXX |
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| 269 | xx S. ROAD XXX |
| 270 | xx S. ROAD XXX |
| 271 | xx S. ROAD XXX |
| 272 | xx S. ROAD XXX |
| 273 | xx S. ROAD XXX |
| 274 | xx S. ROAD XXX |



NOTE:

- NO BUILDING PERMITS WILL BE ISSUED BY TOWN OF HIDEOUT WITHOUT PRIOR WRITTEN APPROVAL FROM THE JORDANELLE SPECIAL SERVICES DISTRICT.
- NO TOWNHOMES WILL BE PERMITTED TO HAVE MORE THAN 360 S.F. OF SPRINKLERED LANDSCAPING.
- ALL COMMON AREAS ARE PUBLIC UTILITY EASEMENTS
- BUILDING CANTILEVERS, ROOF AND DRIP LINES MAY OVERHANG LOT LINES INTO COMMON AREAS. AS EASEMENT TO BOTH OVERHANG AND DISCHARGE ONTO COMMON AREAS ARE HEREIN GRANTED BY THIS NOTE.
- ALL OUTSIDE IRRIGATION SYSTEMS SHALL BE PER JORDANELLE SPECIAL SERVICE DISTRICT REGULATIONS AND STANDARDS.
- NO OUTSIDE WATER IRRIGATION ON 30% SLOPES AND STEEPER.
- EACH OWNER BY ACCEPTANCE OF A DEED OR OTHER DOCUMENT OF CONVEYANCE ACKNOWLEDGE AND AGREE THAT THE UNITS WITHIN THE NEIGHBORHOOD AND/OR COMMUNITY MAY BE RENTED ON A NIGHTLY, WEEKLY, MONTHLY OR OTHER PERIODIC BASIS AND THAT VACATION AND OTHER SHORT TERM RENTALS ARE PERMITTED BY THIS DECLARATION

DEVELOPED BY:

HOLMES HOMES
126 SEGO LILY DRIVE, SUITE 250
SANDY, UTAH 84070
(801) 572-6363

WASATCH COUNTY FIRE MARSHALL

APPROVED THIS _____ DAY OF _____, 20____
BY THE WASATCH COUNTY FIRE MARSHALL

WASATCH COUNTY FIRE MARSHALL

APPROVAL AS TO FORM

APPROVED THIS _____ DAY OF _____, 20____
BY THE HIDEOUT TOWN ATTORNEY

ATTORNEY, THE TOWN OF HIDEOUT

THE TOWN OF HIDEOUT ENGINEER

APPROVED THIS _____ DAY OF _____, 20____
WITH THE FOLLOWING CONDITIONS

DIRECTOR, ENGINEERING DEPARTMENT

THE TOWN OF HIDEOUT PLANNING COMMISSION APPROVAL

THIS IS TO CERTIFY THAT THIS SUBDIVISION WAS
DULY APPROVED BY THE HIDEOUT TOWN PLANNING

COMMISSION ON THE _____ DAY OF _____, 20____

CHAIRMAN, PLANNING COMMISSION

ADMINISTRATIVE APPROVAL

THE TOWN OF HIDEOUT APPROVES THIS
SUBDIVISION AND HEREBY ACCEPTS THE DEDICATION
OF ALL EASEMENTS FOR PUBLIC PURPOSES FOR
THE PERPETUAL USE OF THE PUBLIC,

THIS _____ DAY OF _____, 20____

MAYOR ATTEST

WASATCH COUNTY SURVEYOR

APPROVED THIS _____ DAY OF _____, A.D., 20____

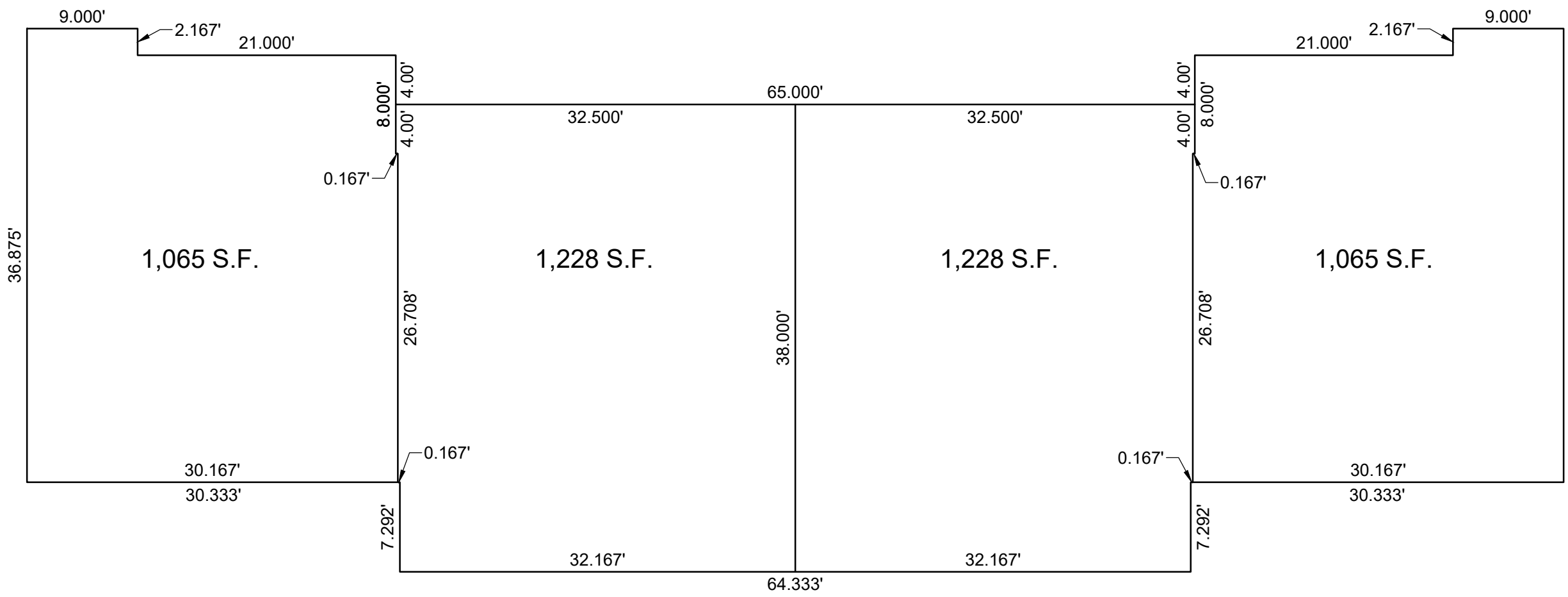
WASATCH COUNTY SURVEYOR

Sheet 1 of 2

DATE: 05/02/2021
BY: JAC
CHECKED: JAC
SCALE: 1"=10'

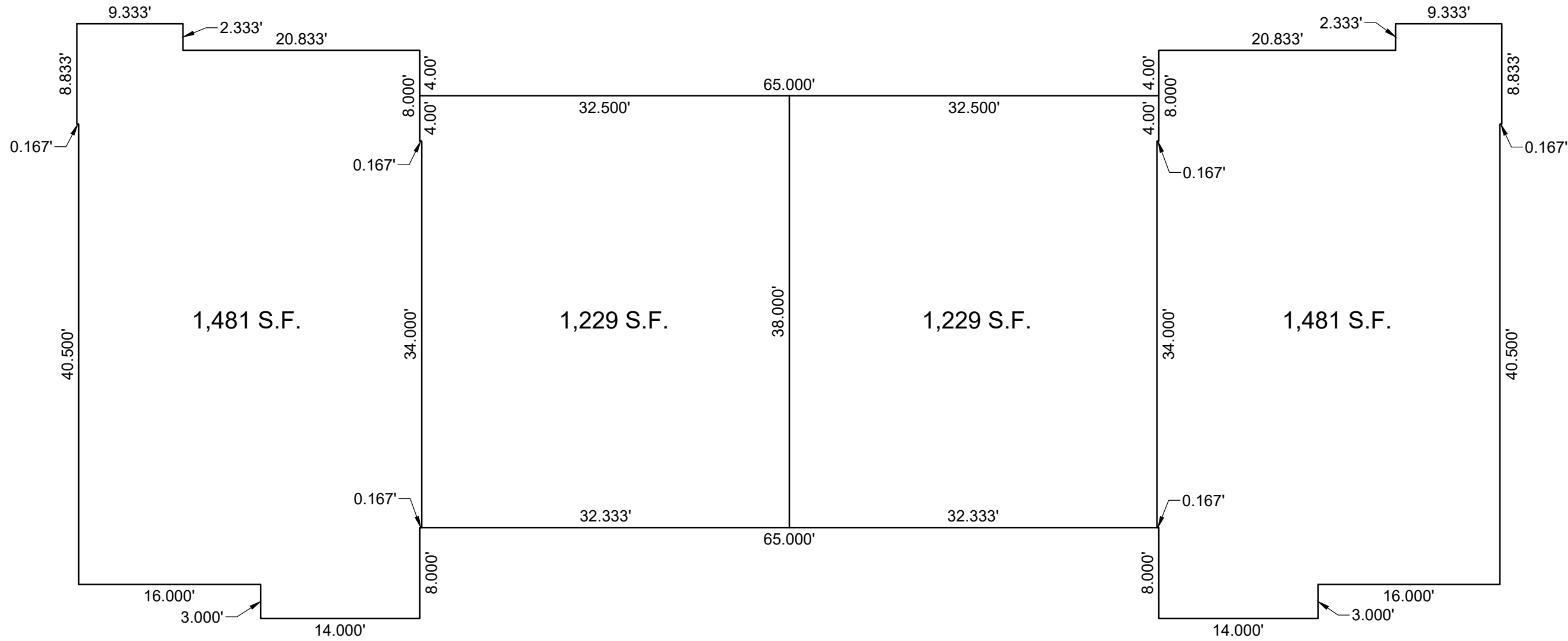
4-PLEX A

TOT. AREA= 4,587 S.F.
SCALE 1"=10'



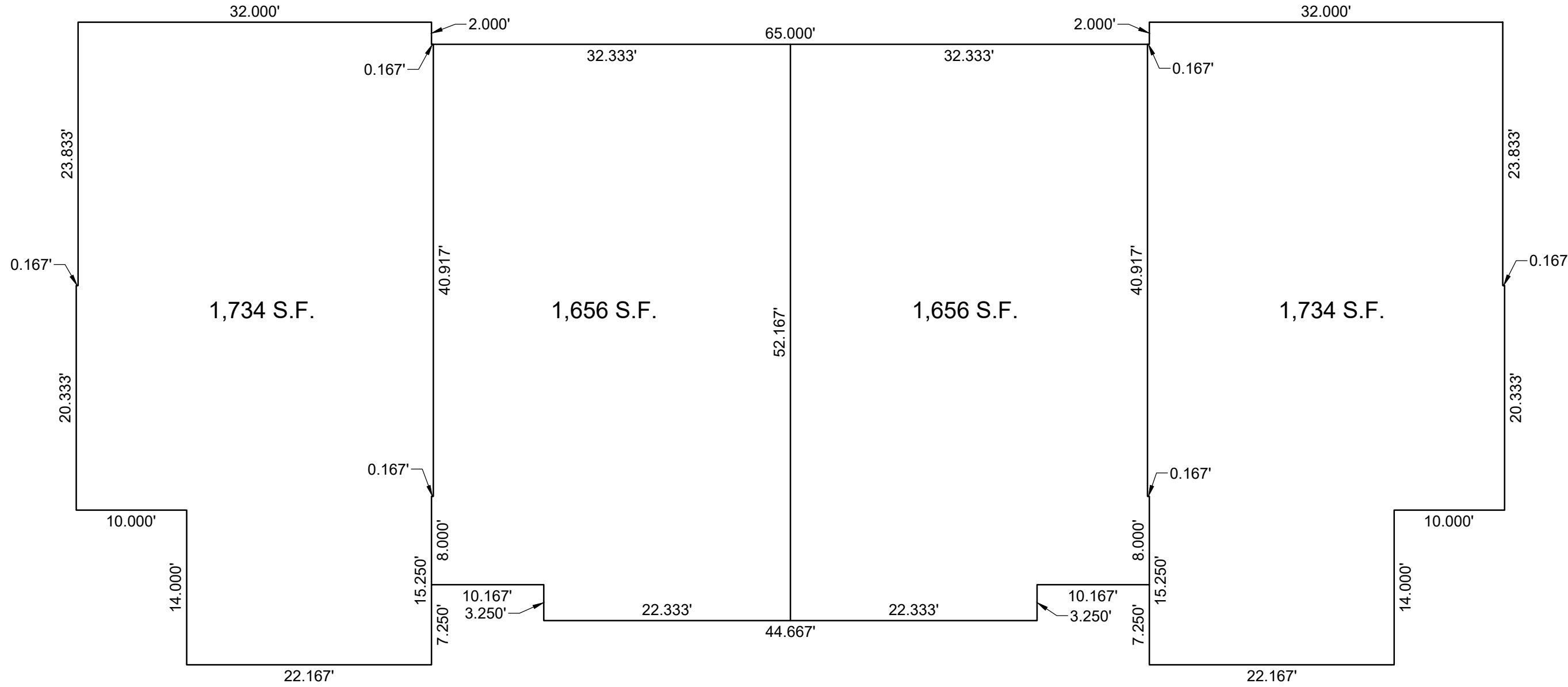
4-PLEX B

TOT. AREA= 5,420 S.F.
SCALE 1"=10'



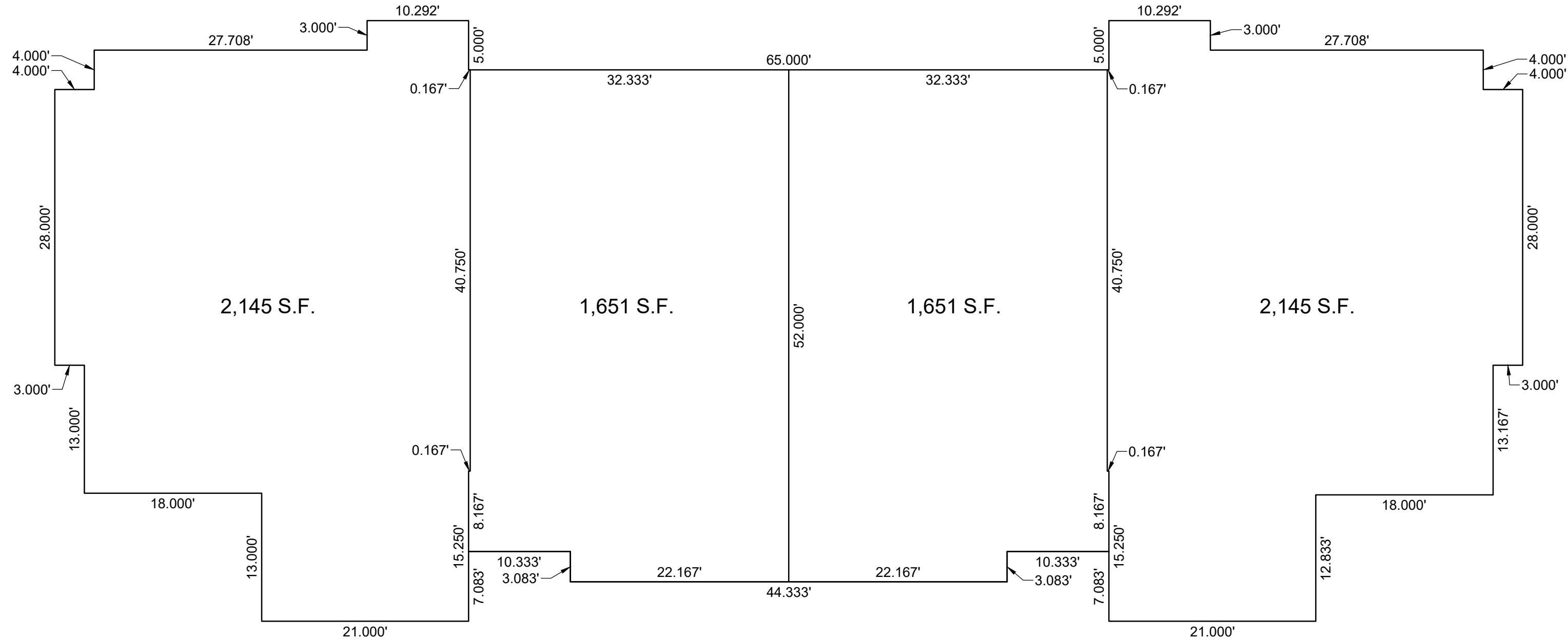
4-PLEX C

TOT. AREA= 6,779 S.F.
SCALE 1"=10'



4-PLEX D

TOT. AREA= 7,597 S.F.
SCALE 1"=10'



| Line Table | | |
|------------|--------|-------------|
| Line # | Length | Direction |
| L1 | 15.000 | N35°34'20"W |
| L2 | 31.000 | N59°37'14"E |
| L3 | 30.000 | S26°45'04"E |
| L4 | 22.680 | S43°16'05"E |
| L5 | 31.000 | S54°05'09"W |
| L6 | 0.865 | N35°54'51"W |
| L7 | 49.662 | S09°54'58"W |
| L8 | 39.934 | N35°54'51"W |
| L9 | 26.309 | N35°52'12"W |
| L10 | 37.151 | N70°17'53"E |
| L11 | 16.807 | S18°12'52"W |
| L12 | 52.531 | S58°58'59"W |
| L13 | 64.943 | S47°18'13"E |
| L14 | 19.627 | N42°40'25"E |
| L15 | 31.783 | N58°46'40"E |
| L16 | 54.408 | S14°08'09"W |
| L17 | 21.659 | S35°07'48"E |
| L18 | 33.681 | N30°28'07"E |
| L19 | 42.850 | S47°00'49"E |

| Curve Table | | | | | |
|-------------|---------|---------|------------|---------------|--------------|
| Curve # | Length | Radius | Delta | Chord Bearing | Chord Length |
| C1 | 47.124 | 30.000 | 090°00'00" | N09°25'40"E | 42.426 |
| C2 | 57.452 | 115.500 | 028°30'00" | N40°10'40"E | 56.862 |
| C3 | 93.268 | 165.650 | 032°15'35" | N24°39'08"E | 92.041 |
| C4 | 38.436 | 30.000 | 073°24'28" | N04°04'42"E | 35.861 |
| C5 | 8.448 | 215.500 | 002°14'46" | N31°30'09"W | 8.448 |
| C6 | 45.224 | 30.000 | 086°22'18" | S73°33'55"E | 41.062 |
| C7 | 53.747 | 145.500 | 021°09'53" | S29°01'17"W | 53.442 |
| C8 | 39.541 | 30.000 | 075°31'04" | S01°50'41"W | 36.740 |
| C9 | 38.971 | 30.000 | 074°25'43" | N73°07'42"W | 36.288 |
| C10 | 39.824 | 145.500 | 015°40'55" | S77°29'54"W | 39.699 |
| C11 | 0.889 | 130.500 | 000°23'25" | S85°32'04"W | 0.889 |
| C12 | 287.106 | 598.690 | 027°28'36" | N16°30'04"W | 284.362 |
| C13 | 118.598 | 115.000 | 059°05'18" | S65°06'59"E | 113.412 |
| C14 | 69.301 | 130.000 | 030°32'36" | N70°04'04"E | 68.483 |
| C15 | 35.581 | 130.000 | 015°40'55" | N77°29'54"E | 35.470 |
| C16 | 33.719 | 130.000 | 014°51'41" | N62°13'36"E | 33.625 |
| C17 | 116.902 | 130.000 | 051°31'23" | N29°02'04"E | 113.003 |
| C18 | 34.470 | 130.000 | 015°11'32" | N47°12'00"E | 34.369 |
| C19 | 82.432 | 130.000 | 036°19'50" | N21°26'18"E | 81.058 |
| C20 | 133.214 | 150.150 | 050°50'00" | S28°41'23"W | 128.888 |

| Curve Table | | | | | |
|-------------|---------|---------|------------|---------------|--------------|
| Curve # | Length | Radius | Delta | Chord Bearing | Chord Length |
| C21 | 98.296 | 150.150 | 037°30'32" | N22°01'39"E | 96.551 |
| C22 | 34.918 | 150.150 | 013°19'28" | N47°26'39"E | 34.839 |
| C23 | 23.959 | 150.150 | 009°08'33" | S58°40'40"W | 23.934 |
| C24 | 19.166 | 200.000 | 005°29'26" | S33°07'29"E | 19.159 |
| C25 | 11.325 | 200.000 | 003°14'40" | N34°14'52"W | 11.324 |
| C26 | 7.841 | 200.000 | 002°14'46" | N31°30'09"W | 7.840 |
| C27 | 17.864 | 130.500 | 007°50'36" | S89°39'04"W | 17.850 |
| C28 | 9.950 | 130.500 | 004°22'06" | N37°45'23"W | 9.947 |
| C29 | 102.613 | 99.500 | 059°05'18" | S65°06'59"E | 98.126 |
| C30 | 164.001 | 114.500 | 082°03'59" | N44°18'22"E | 150.337 |
| C31 | 15.176 | 165.650 | 005°14'57" | N05°53'52"E | 15.171 |
| C32 | 139.358 | 134.650 | 059°17'58" | S33°35'58"W | 133.221 |
| C33 | 38.513 | 145.500 | 015°09'57" | S10°51'22"W | 38.401 |

Sheet 2 of 2

HASATCH COUNTY RECORDER

ENTRY NO. _____

FEE PAID _____
FILED FOR RECORD AND RECORDED THIS

DAY OF _____, 2021, IN BOOK _____, AT PAGE _____ OF THE
OFFICIAL RECORDS

DEPUTY COUNTY RECORDER



9089 SOUTH 1300 WEST, SUITE 160 WEST JORDAN, UT 84088
801.628.6004 TEL. 801.590.6611 FAX WWW.PERIGEECIVIL.COM

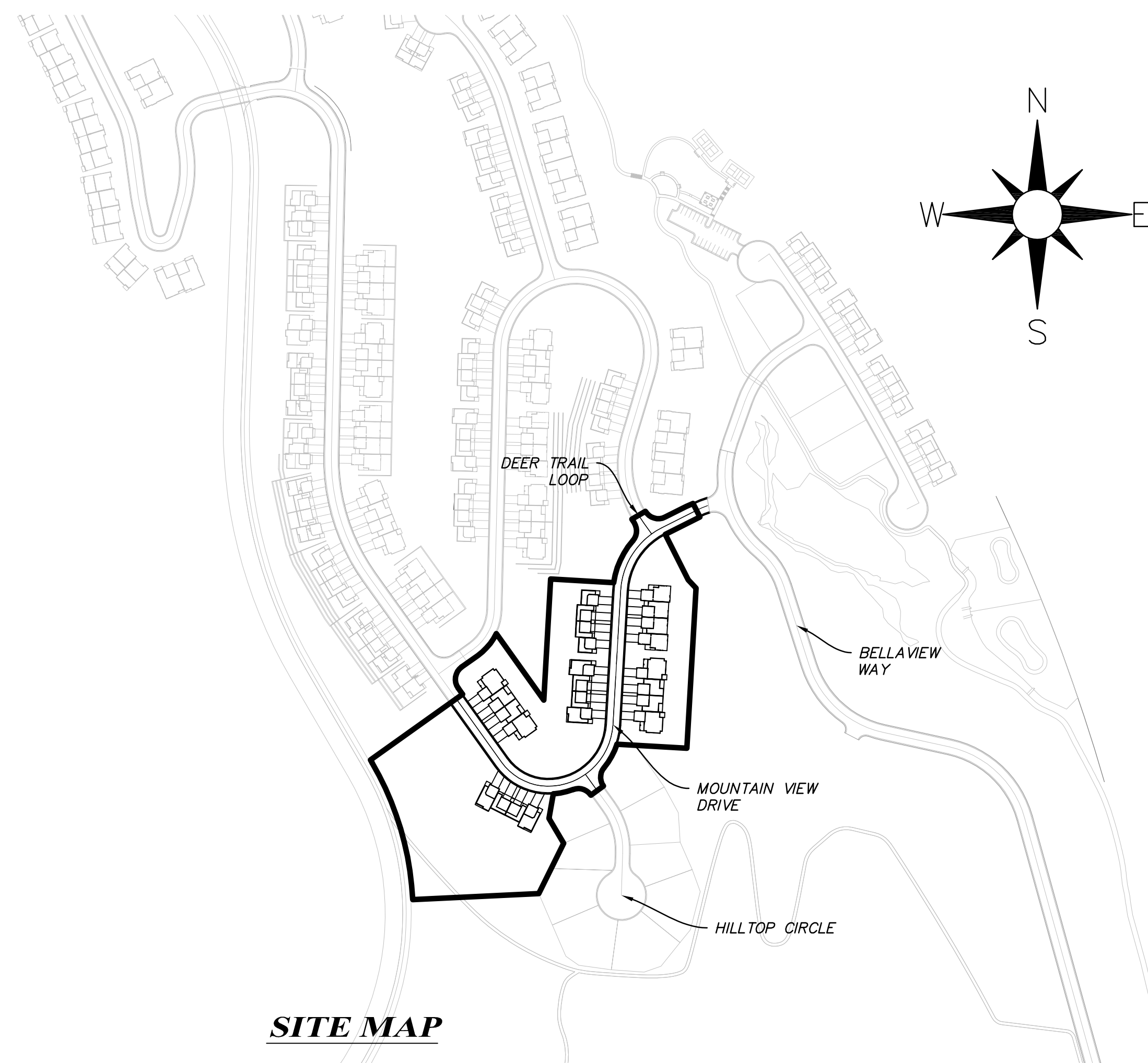
***DEER SPRINGS
PHASE 2B***

Residential Development
Hideout, Utah

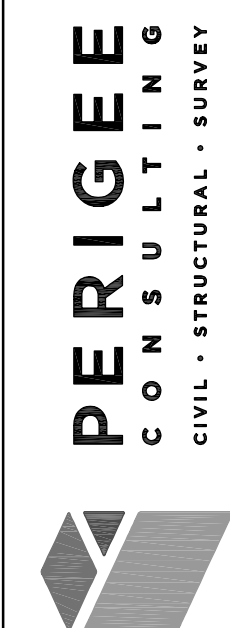
CONSTRUCTION PLANS

MAY 11, 2021

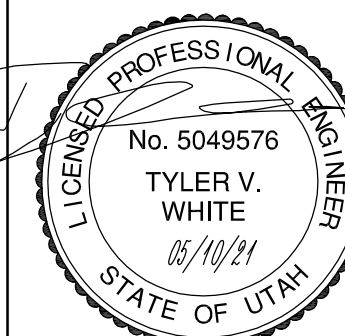
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| Sheet Number | Sheet Title | Sheet Description |
| 01 | TC01 | COVER SHEET |
| 02 | GN01 | GENERAL NOTES |
| 03 | GN02 | ROAD SECTIONS |
| 04 | SP01 | SITE PLAN |
| 05 | UT01 | UTILITY PLAN |
| 06 | GR01 | GRADING & DRAINAGE PLAN |
| 07 | GR02 | LOT MASS GRADING |
| 08 | GR02A | CUT/FILL GRADING |
| 09 | GR03 | LOT MASS GRADING |
| 10 | GR03A | CUT/FILL GRADING |
| 11 | SI01 | SIGNAGE & STRIPING PLAN |
| 12 | PP01 | PLAN AND PROFILE – MOUNTAIN VIEW DRIVE & HILLTOP CIRCLE |
| 13 | PP02 | PLAN AND PROFILE – MOUNTAIN VIEW DRIVE & DEER TRAIL LOOP |
| 14 | EC01 | EROSION CONTROL PLAN |
| 15 | DT01 | BMP DETAILS |
| 16 | DT02 | DETAILS |
| 17 | DT03 | DETAILS |
| 18 | DT04 | DETAILS |
| 19 | EX01 | TRAIL EXHIBIT |



SITE MAP



089 SOUTH 1300 WEST, SUITE 160
WEST JORDAN, UT 84088



HIDEOUT CITY

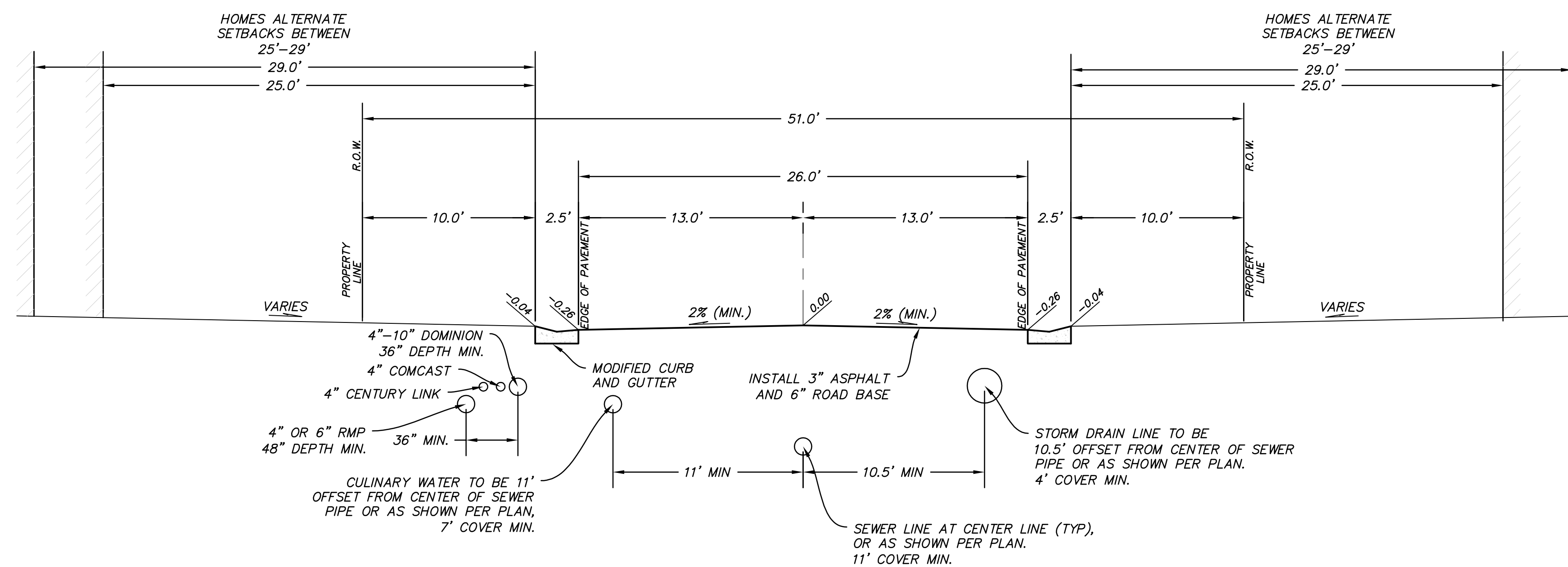
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DEER SPRINGS
PHASE 2B
COVER SHEET

SHEET NUMBER
01
OF 19 SHEETS
DRAWING NAME
TC01





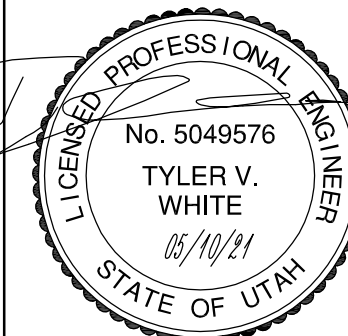
MOUNTAIN VIEW DRIVE






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WEST JORDAN, UT 84088



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DEER SPRINGS
PHASE 2B
ROAD SECTIONS

SHEET NUMBER

03

DRAWING NAME

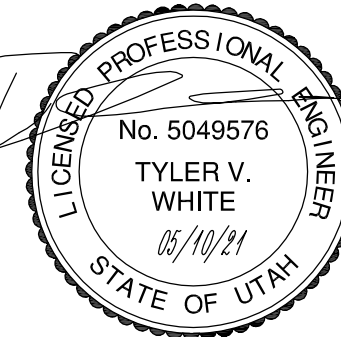
CNO2



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9005 SOUTH 1200 WEST, SUITE 600
UTAH 84064 TEL: 313-0001 FAX: 313-0002
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HIDEOUT CITY

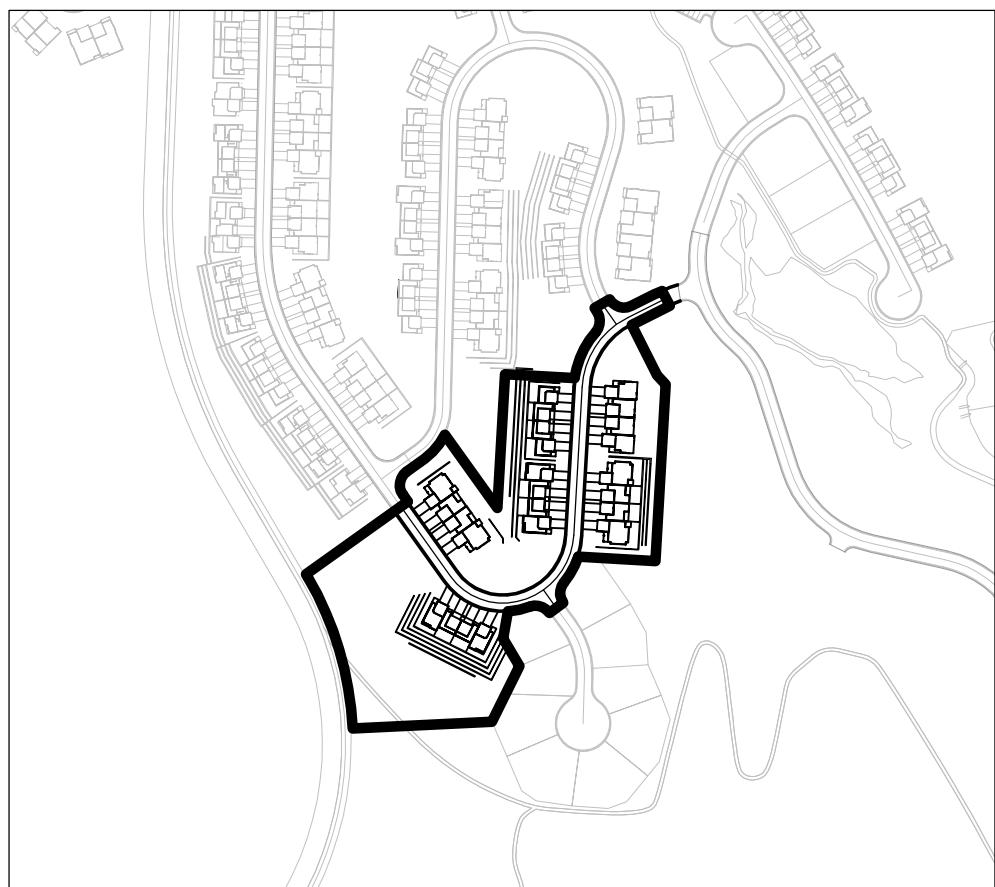
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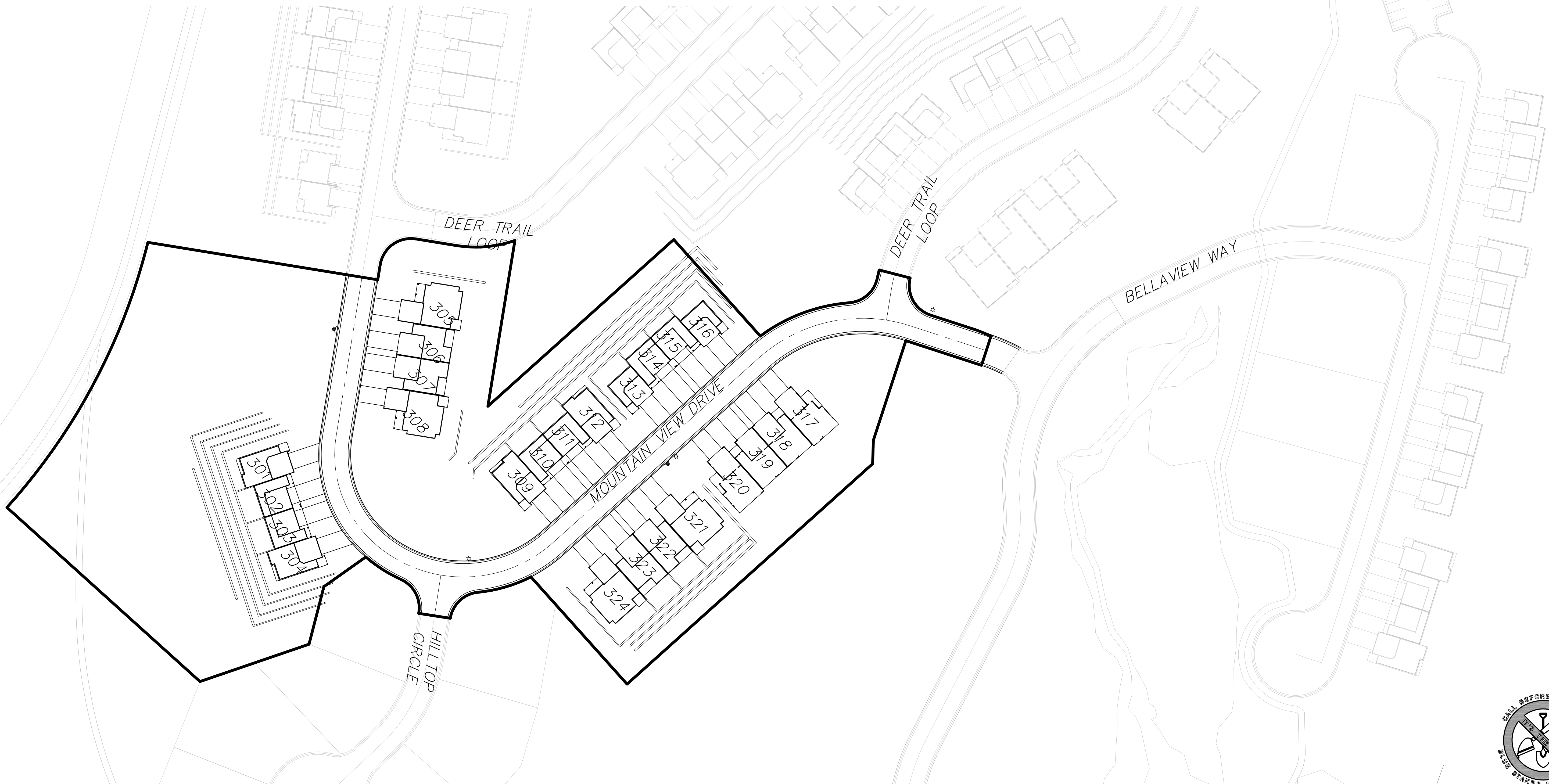
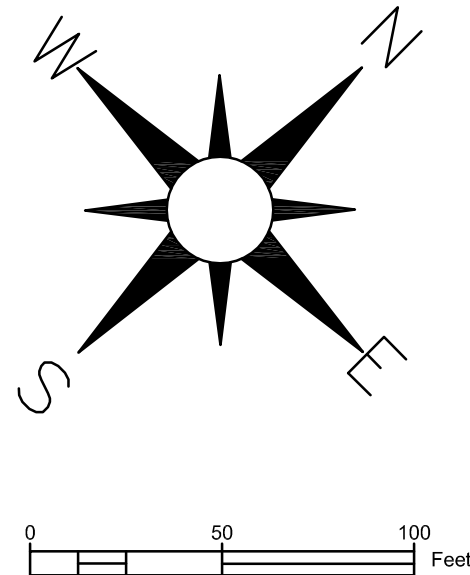
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DEER SPRINGS
PHASE 2B
SITE PLAN

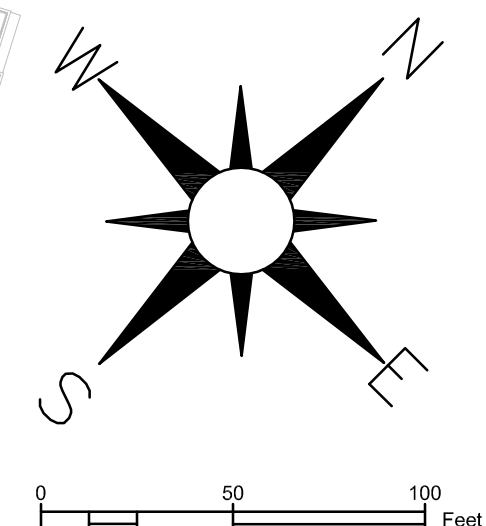
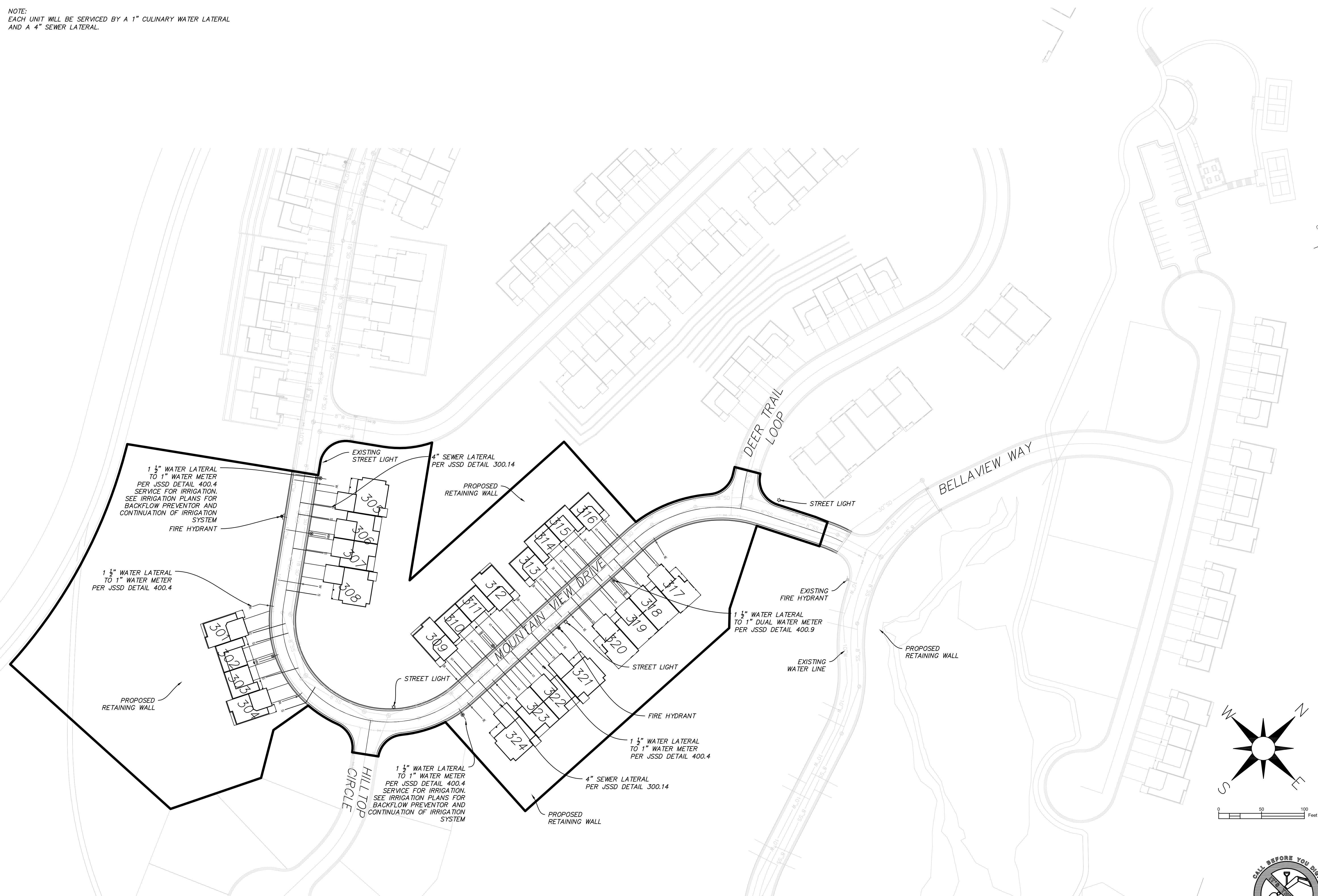
SHEET NUMBER
04
OF 19 SHEETS
DRAWING NAME
SP01



KEY MAP

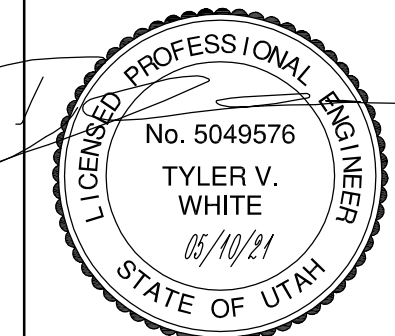


NOTE:
EACH UNIT WILL BE SERVICED BY A 1" CULINARY WATER LATERAL
AND A 4" SEWER LATERAL.



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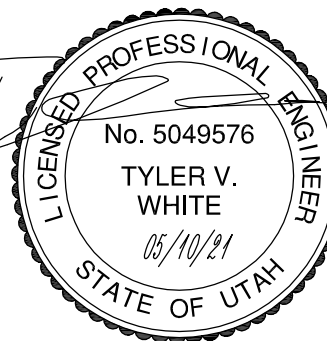
DEER SPRINGS
PHASE 2B
UTILITY PLAN

SHEET NUMBER
05
OF 19 SHEETS
DRAWING NAME
UT01

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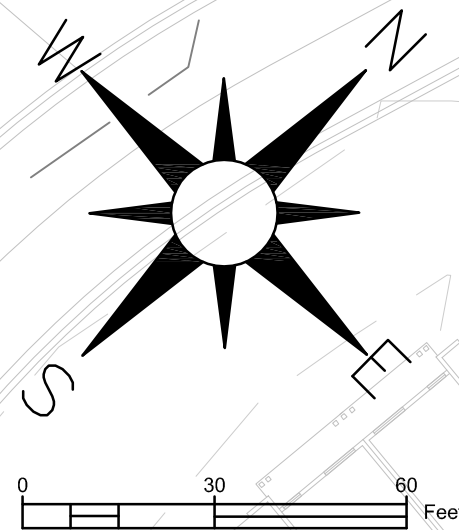
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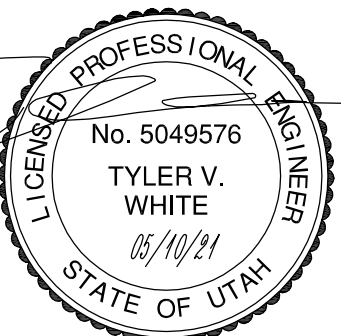
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DEER SPRINGS
PHASE 2B
GRADING & DRAINAGE PLAN

SHEET NUMBER
06
OF 19 SHEETS
DRAWING NAME
GR01



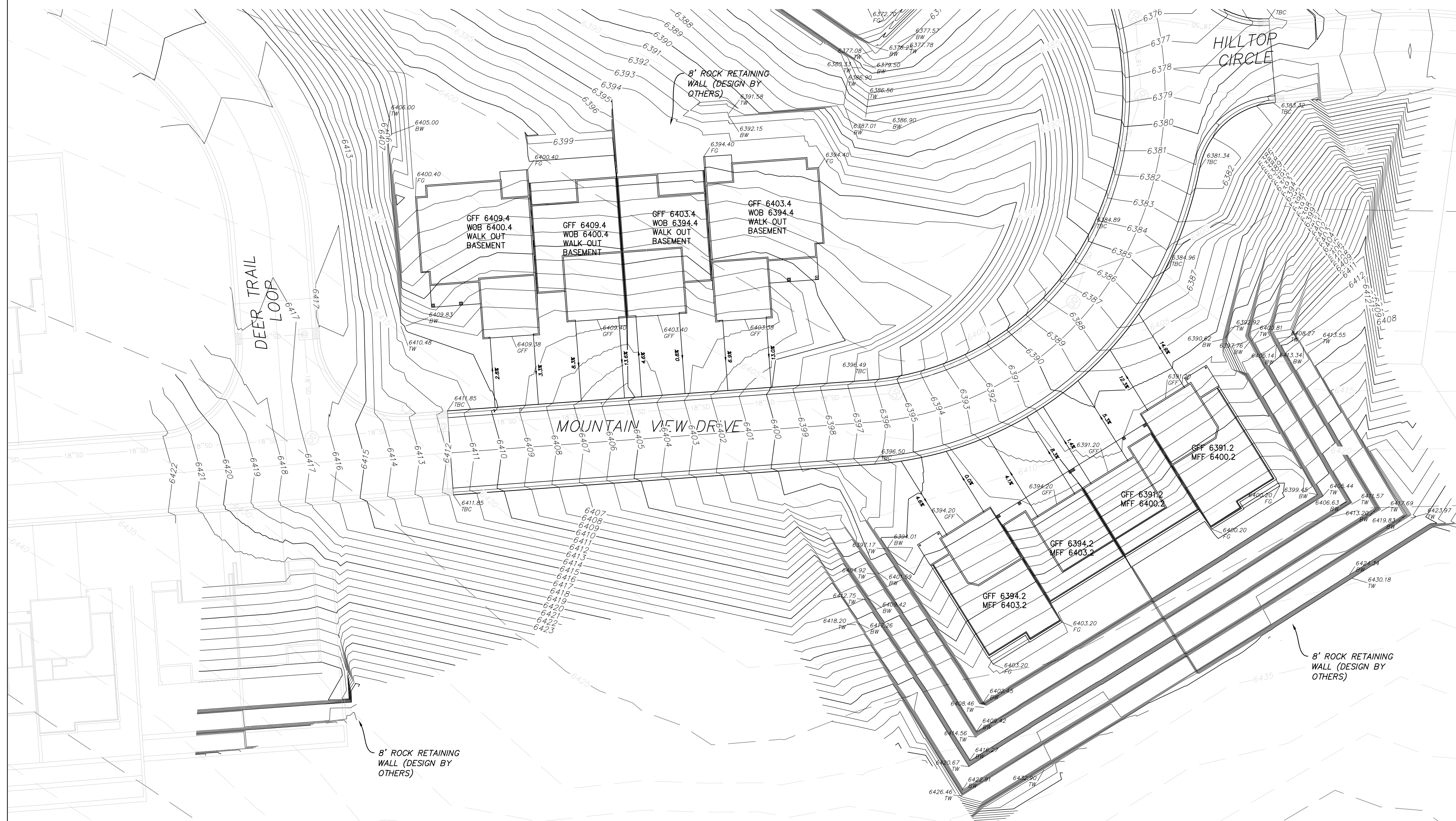


 CITY ENGINEER DATE

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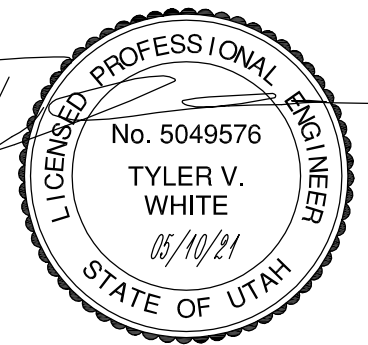
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07
OF 19 SHEETS
DRAWING NAME
GR02



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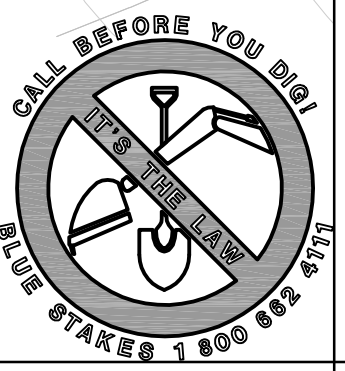
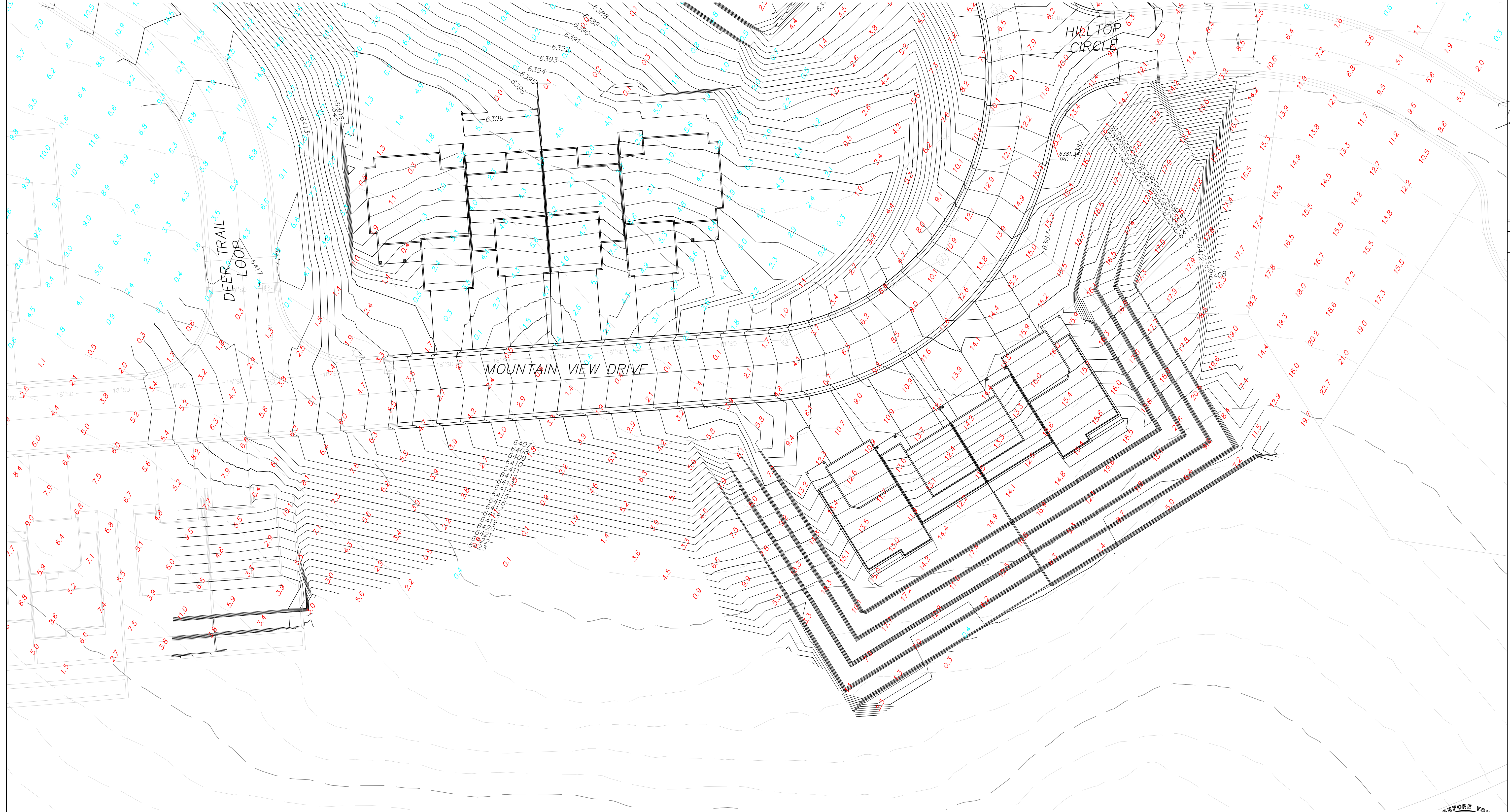
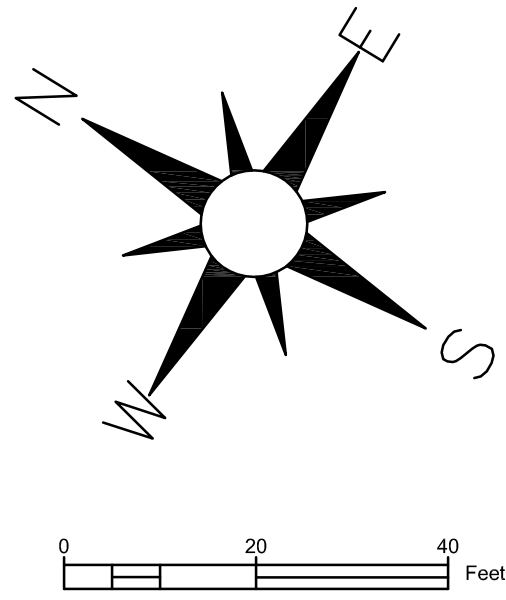
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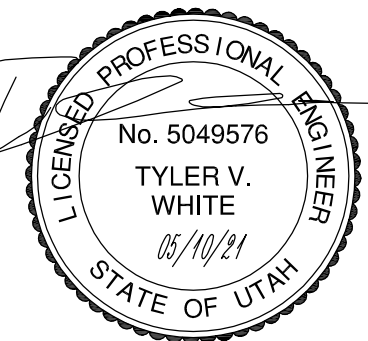
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DEER SPRINGS
PHASE 2B
CUT/FILL GRADING

SHEET NUMBER
08
OF 19 SHEETS
DRAWING NAME
GR02A



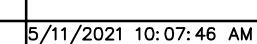


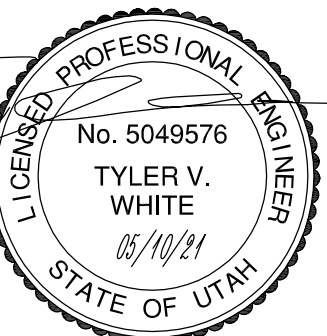
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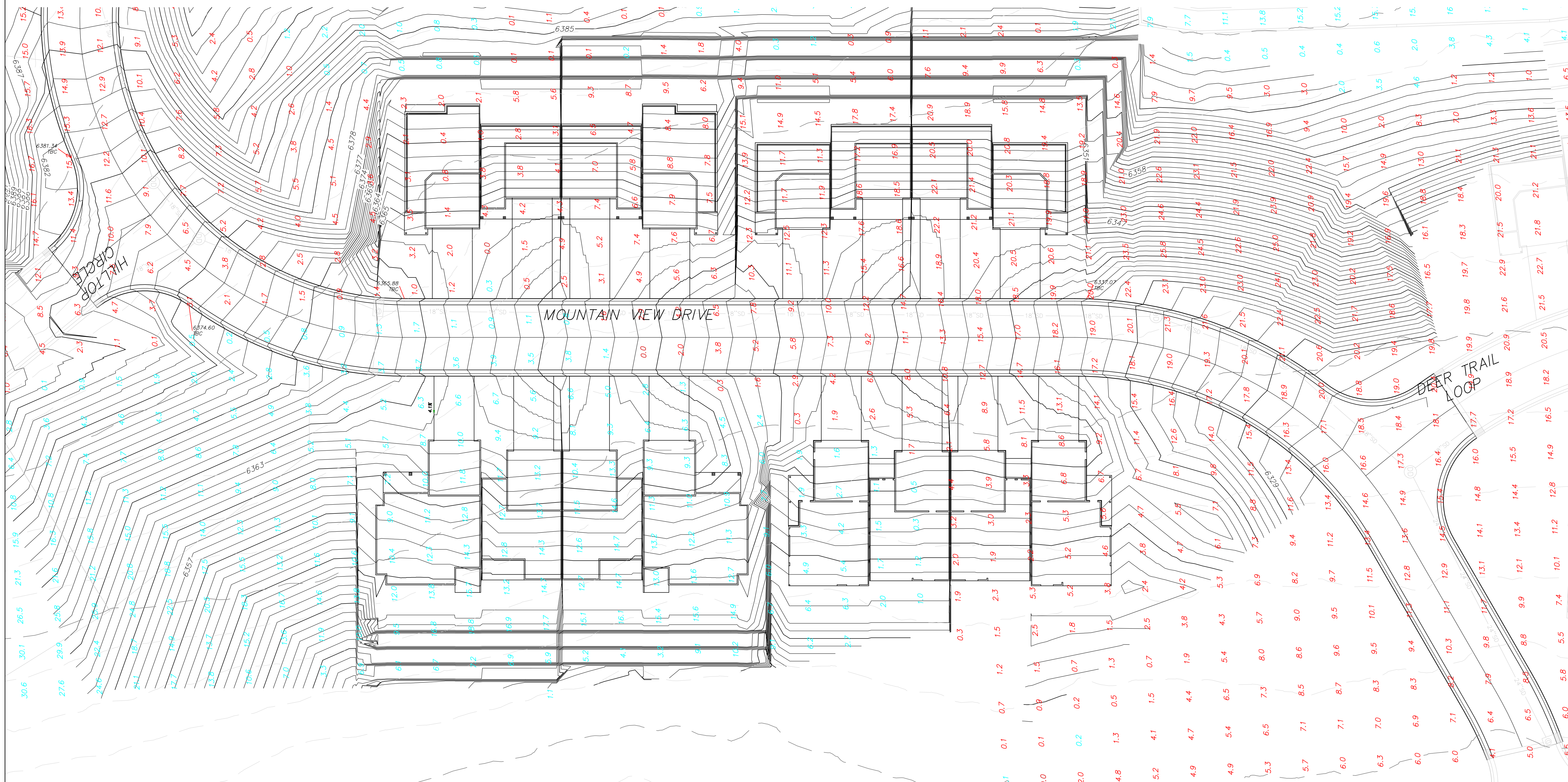


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DRAWING NAME
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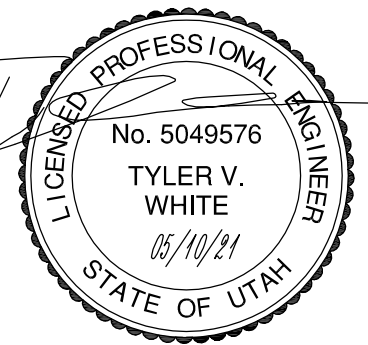


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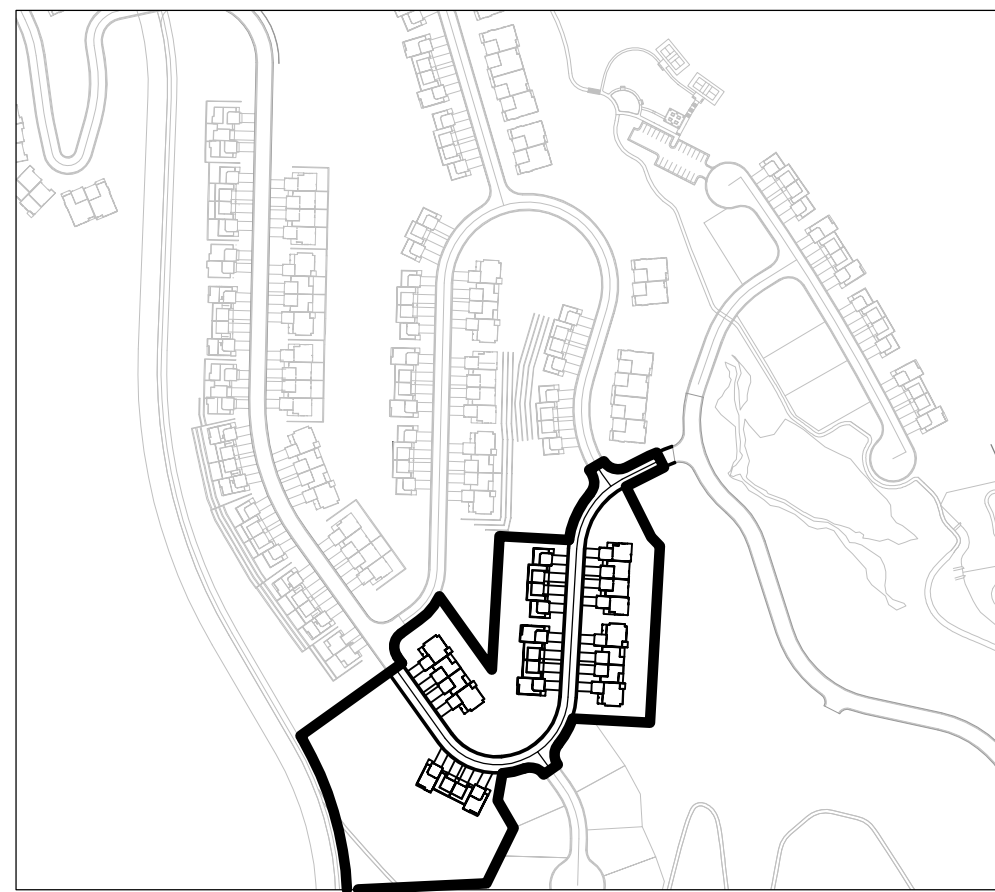
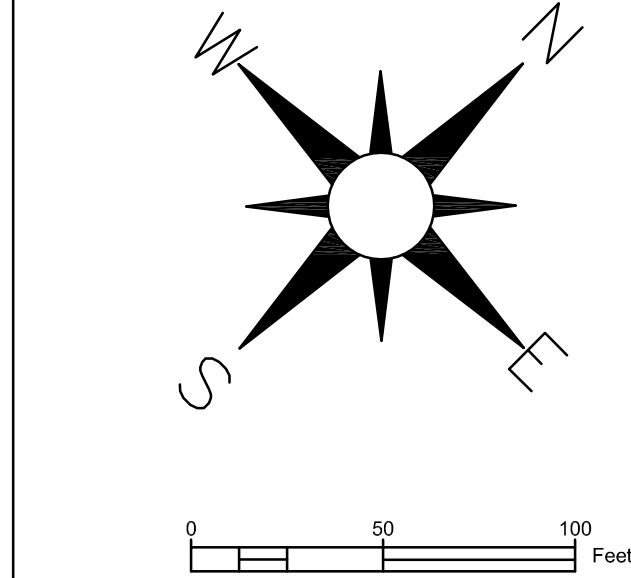
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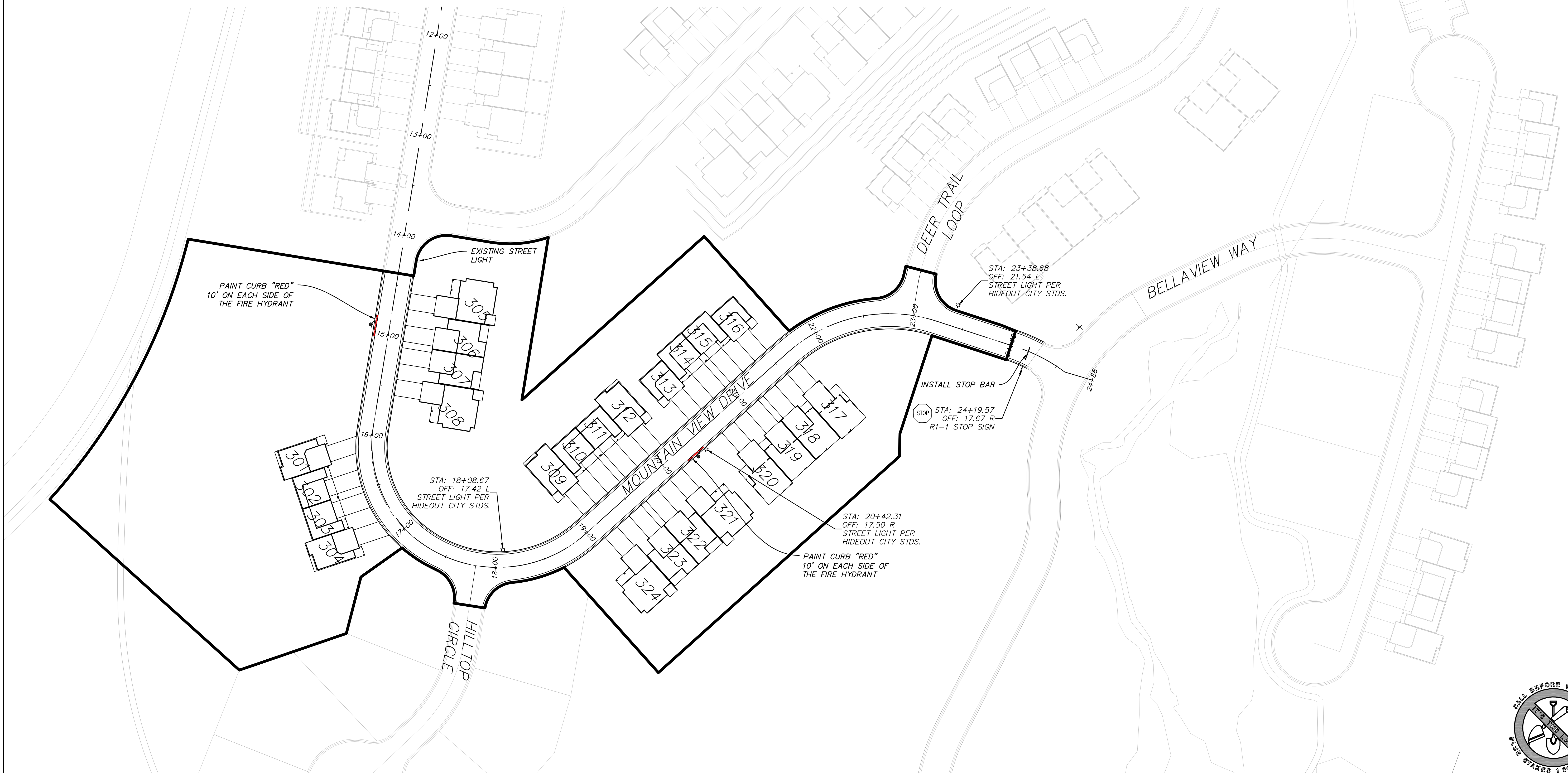
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| SUBMITTED BY: | CONTRACT NO: 00720 | |
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PHASE 2B
SIGNAGE & STRIPING PLAN

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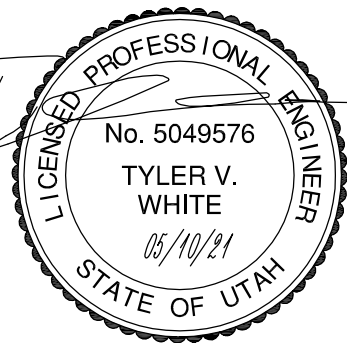
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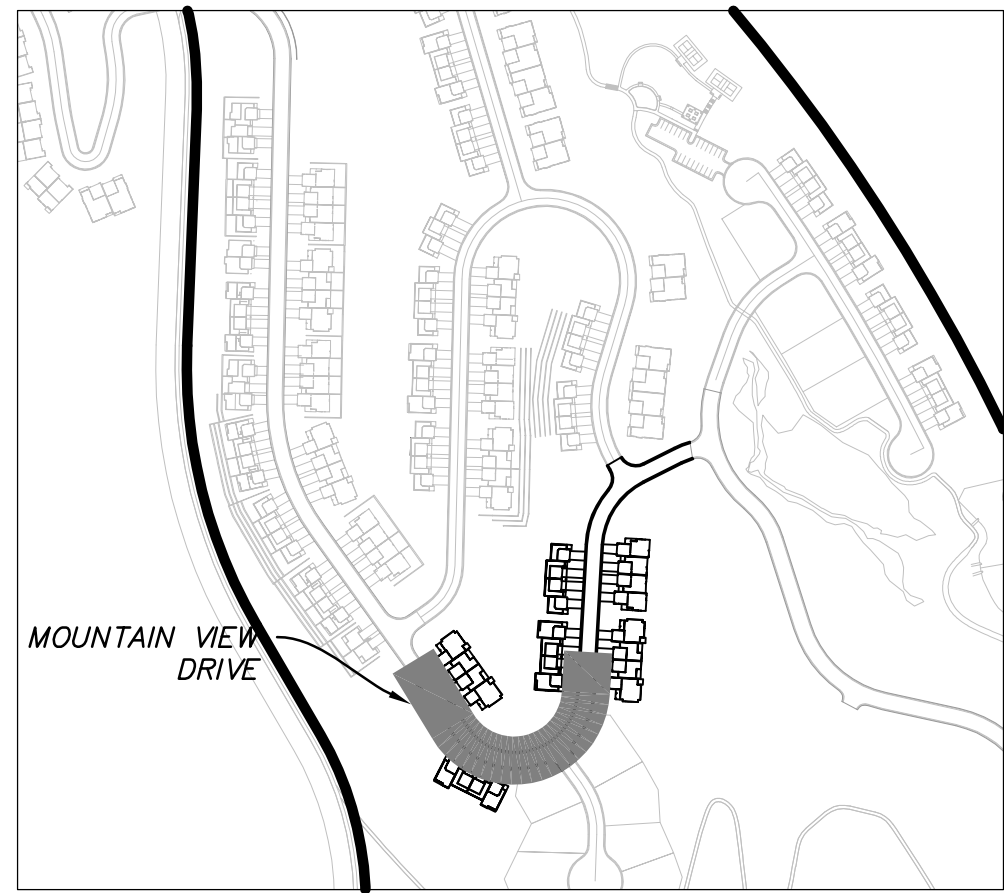
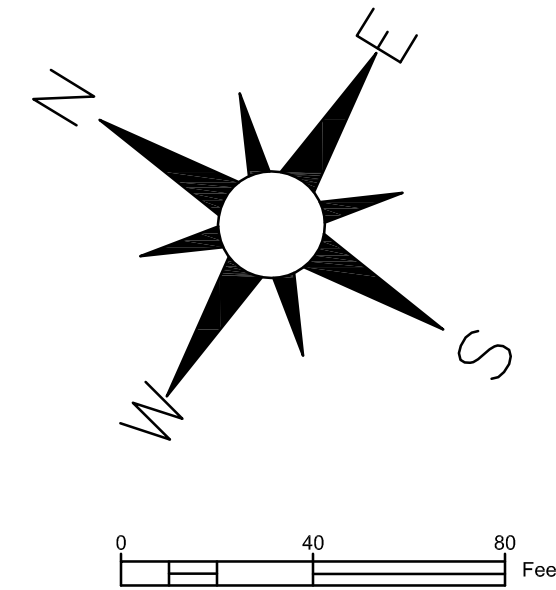
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DEER SPRINGS
PHASE 2B
PLAN AND PROFILE - MOUNTAIN VIEW
DRIVE & HILLTOP CIRCLE

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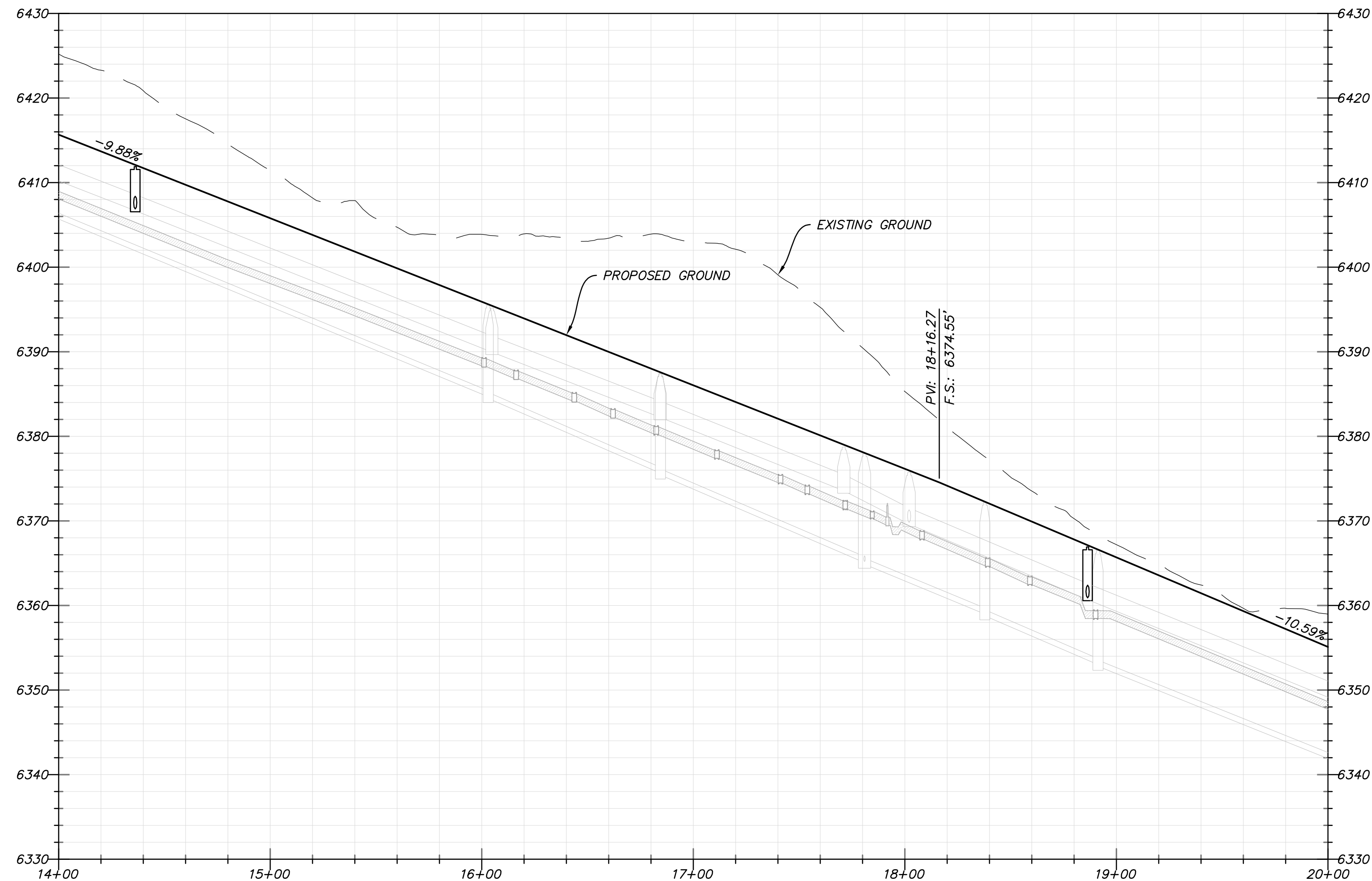


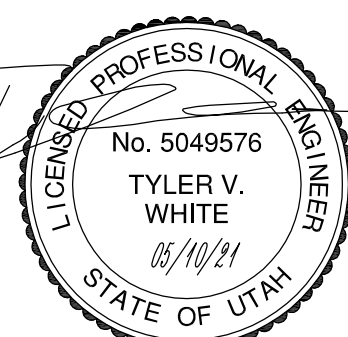
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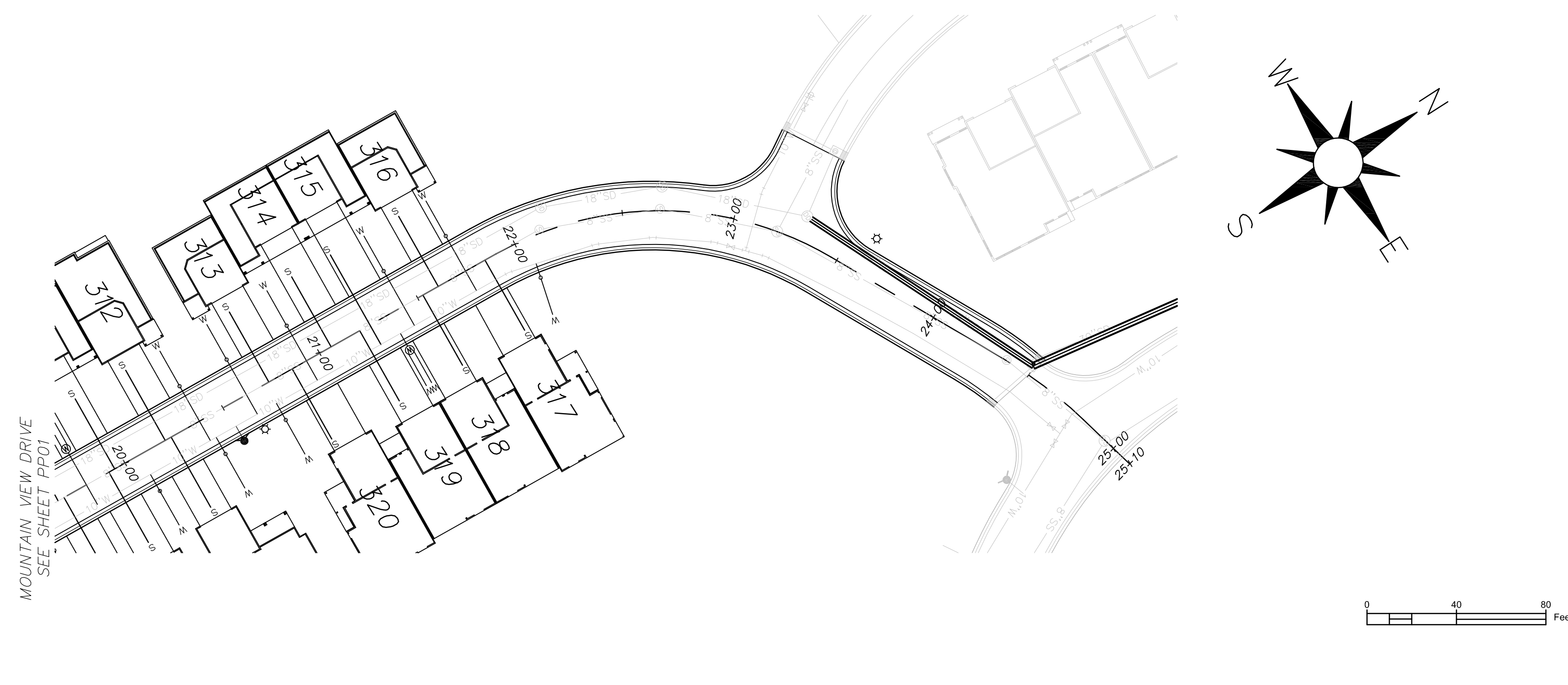
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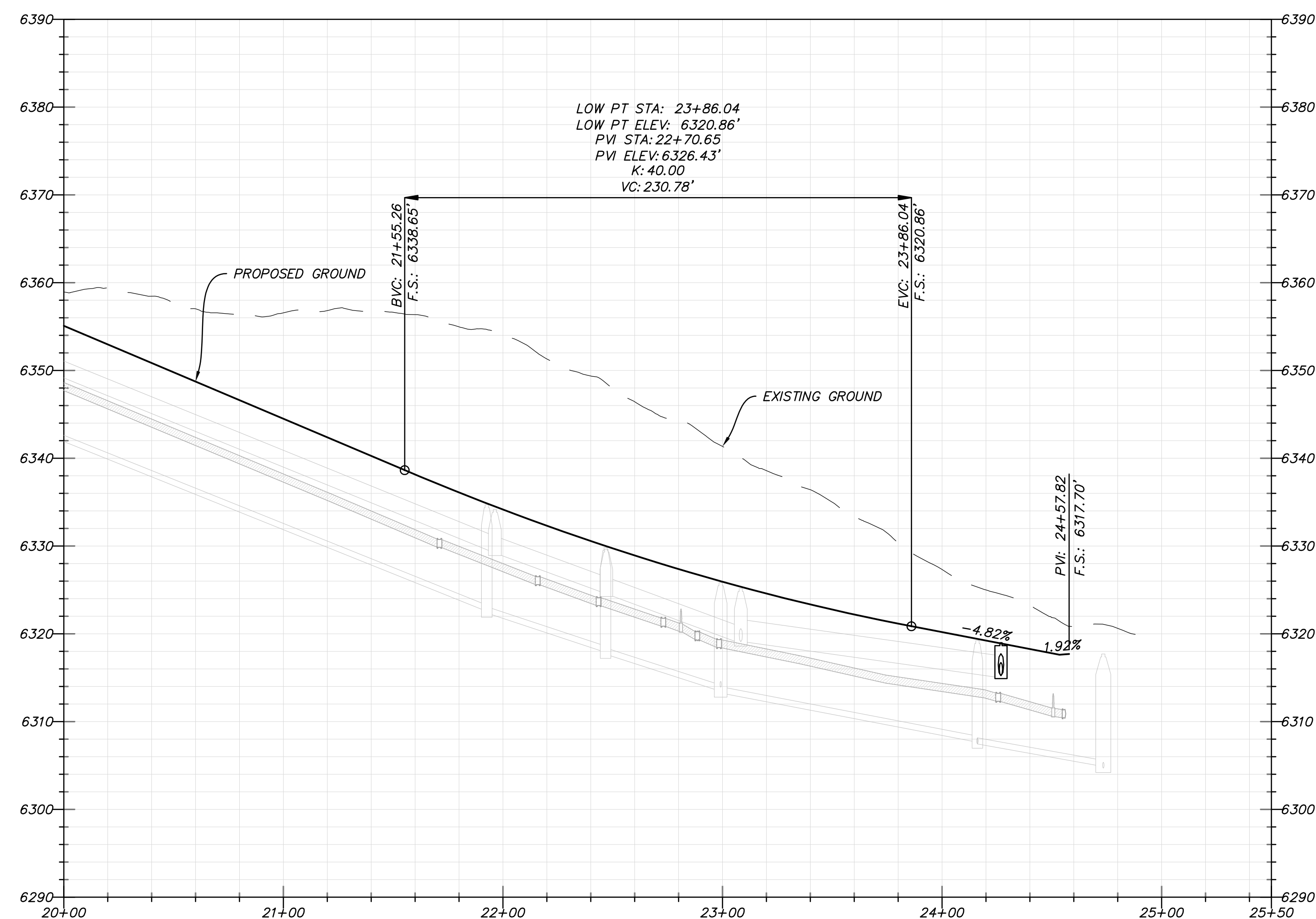
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PHASE 2B

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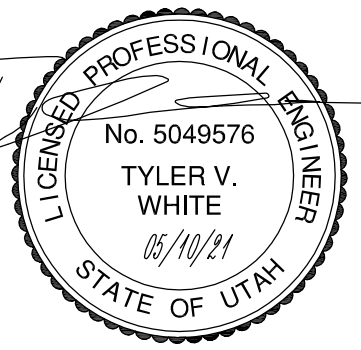
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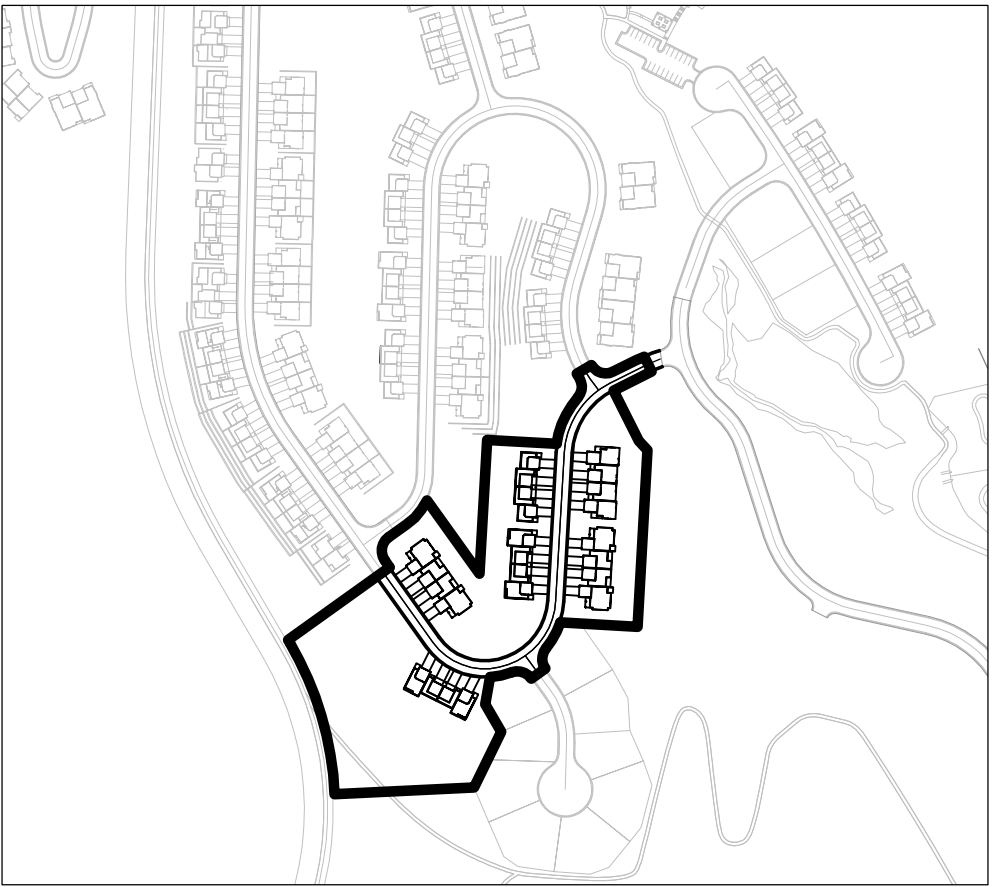
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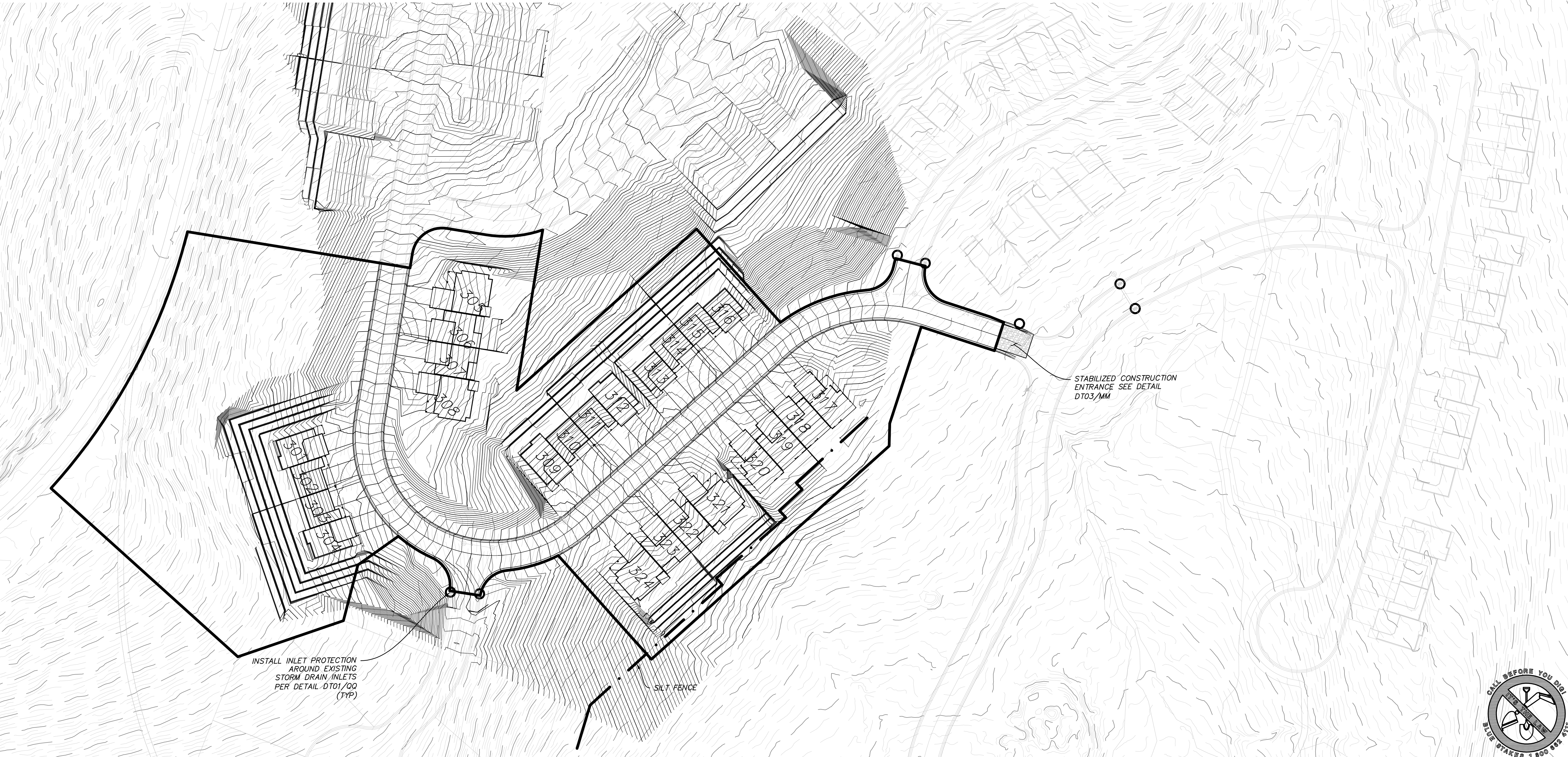
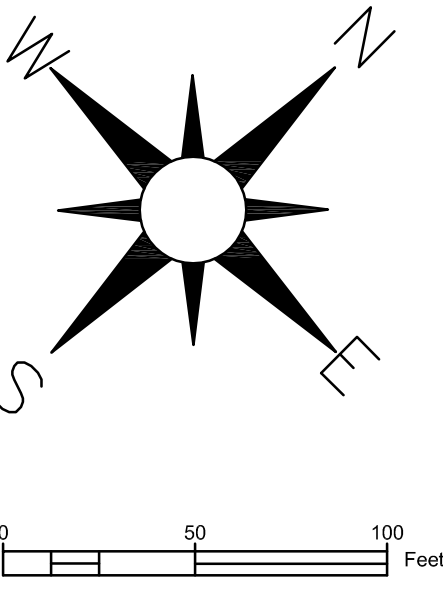
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DEER SPRINGS
PHASE 2B
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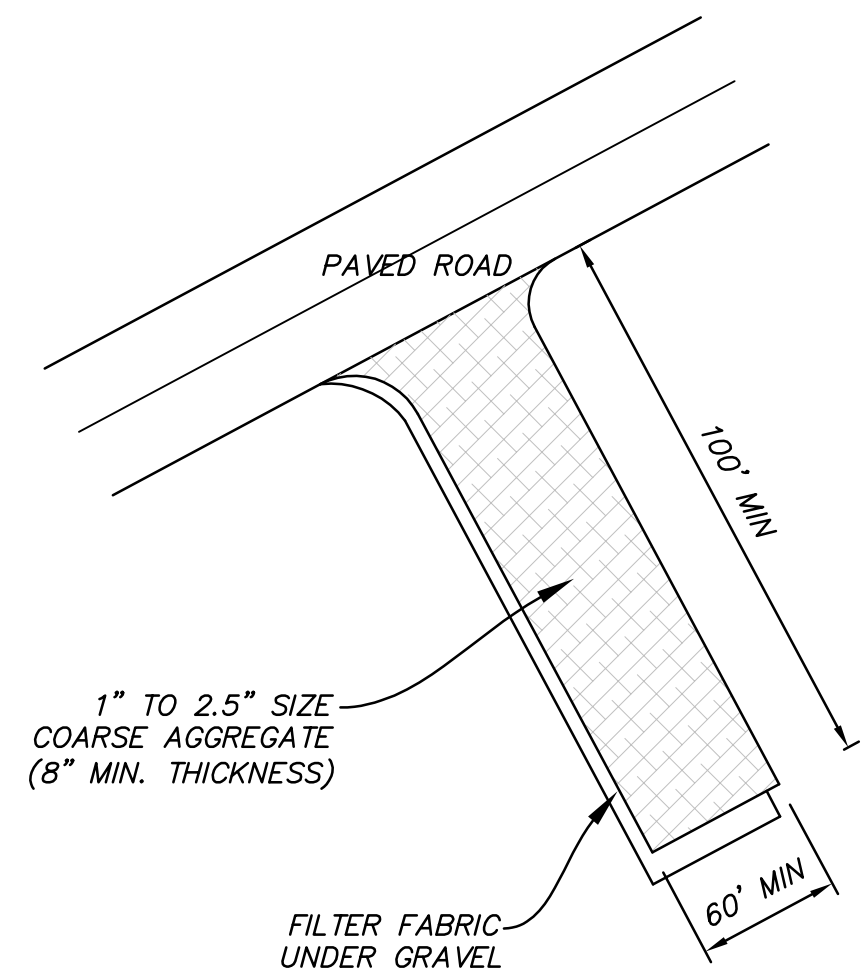


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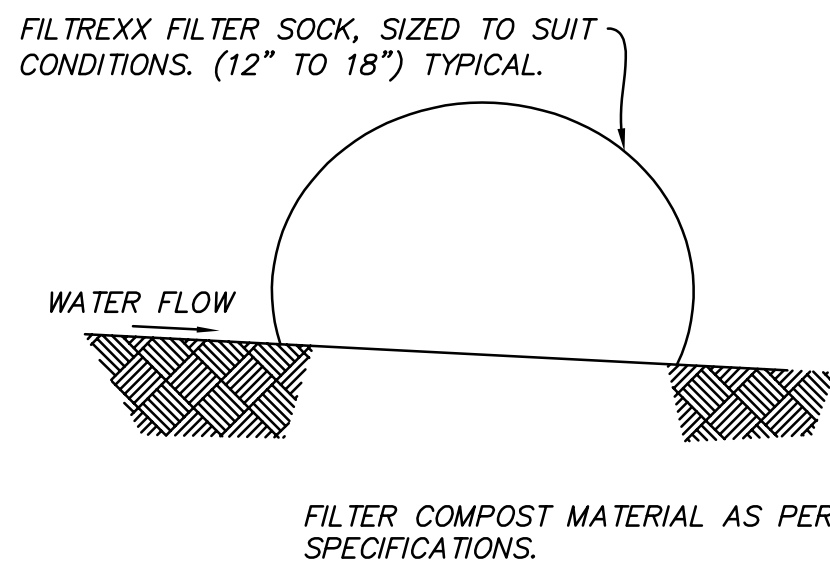
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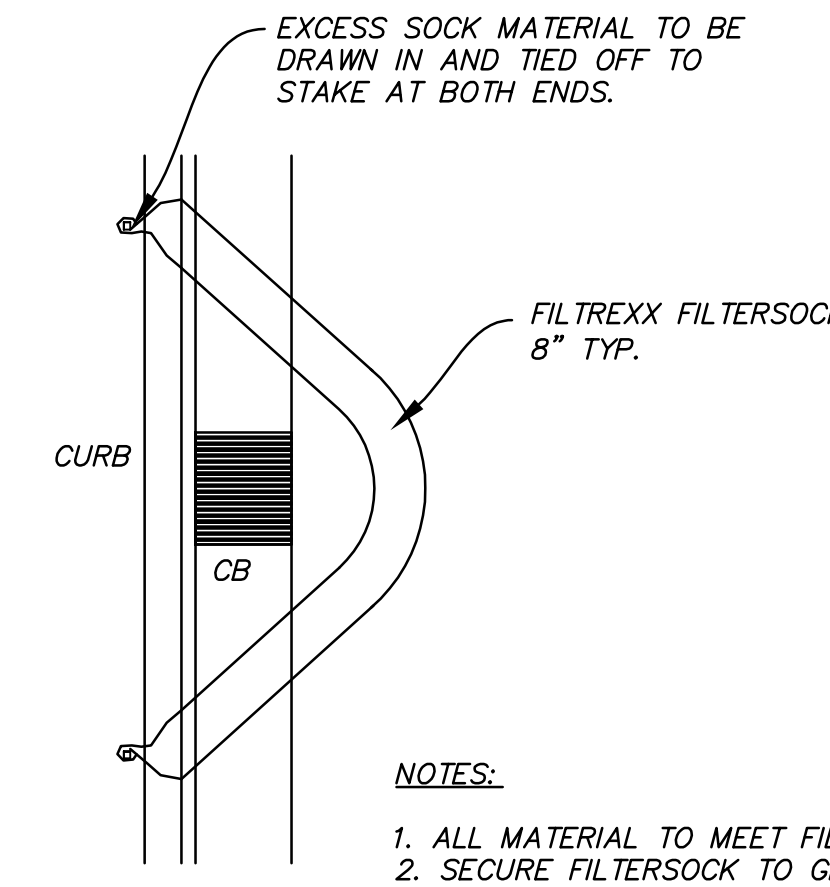


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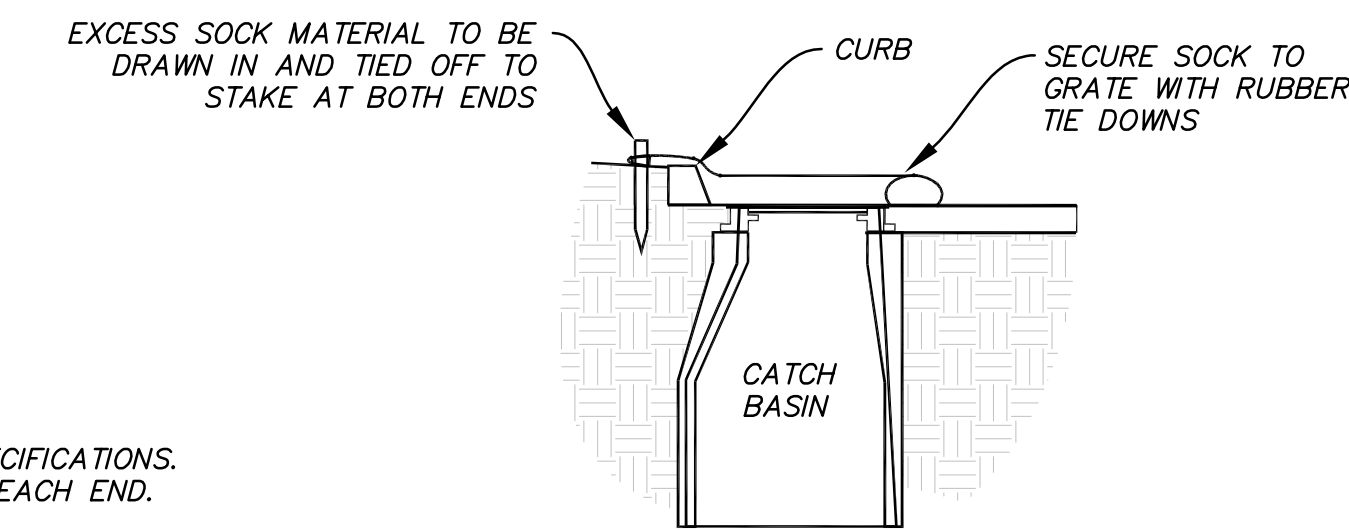
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1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
 2. THE CONTRACTOR SHALL MAINTAIN THE COMPOST FILTER BERM IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
 3. BERM WILL BE REGULARLY INSPECTED AND REPAIRED AS NECESSARY.
 4. THE CONTRACTOR SHALL REMOVE SEDIMENT COLLECTED AT THE BASE OF THE BERM WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE BERM, OR AS DIRECTED BY THE ENGINEER.
 5. THE COMPOST FILTER BERM WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.



FILTREXX SEDIMENT CONTROL DETAIL
NOT TO SCALE



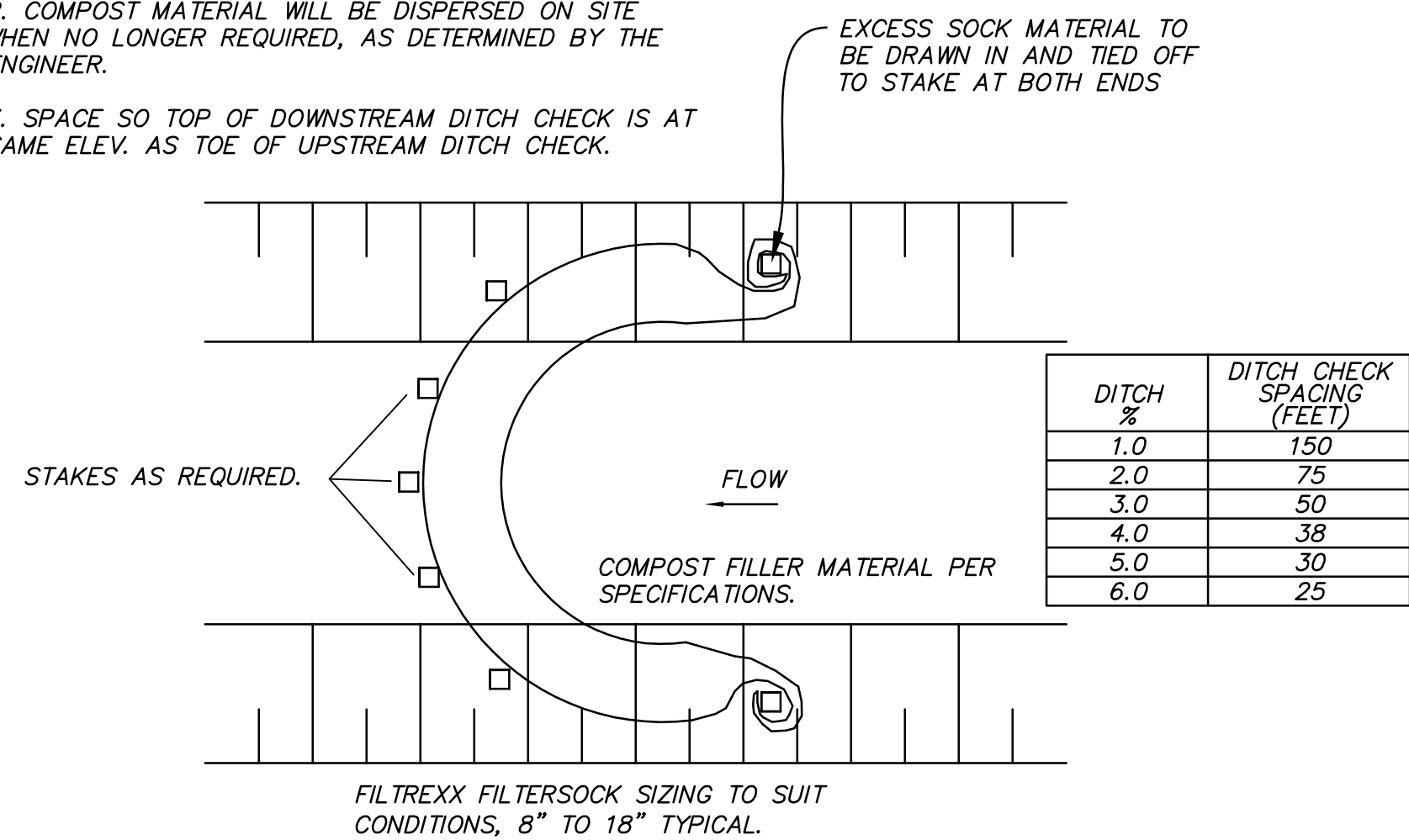
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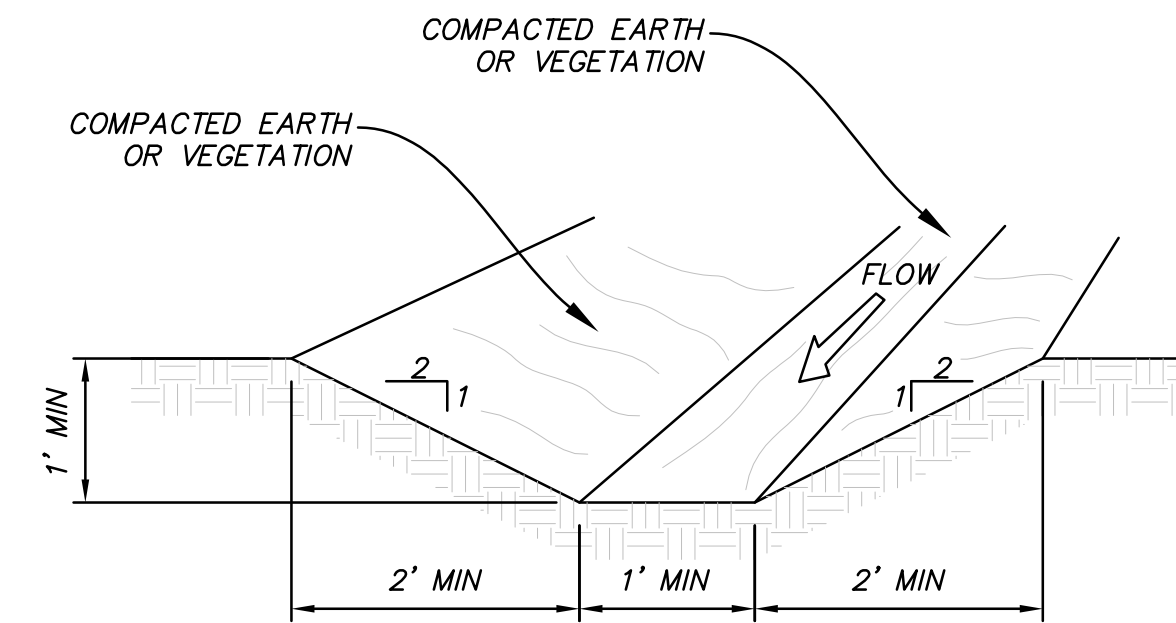
SECTION VIEW

FILTREXX INLET PROTECTION -CURB INLET
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- NOTES:**
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 2. COMPOST MATERIAL WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED, AS DETERMINED BY THE ENGINEER.
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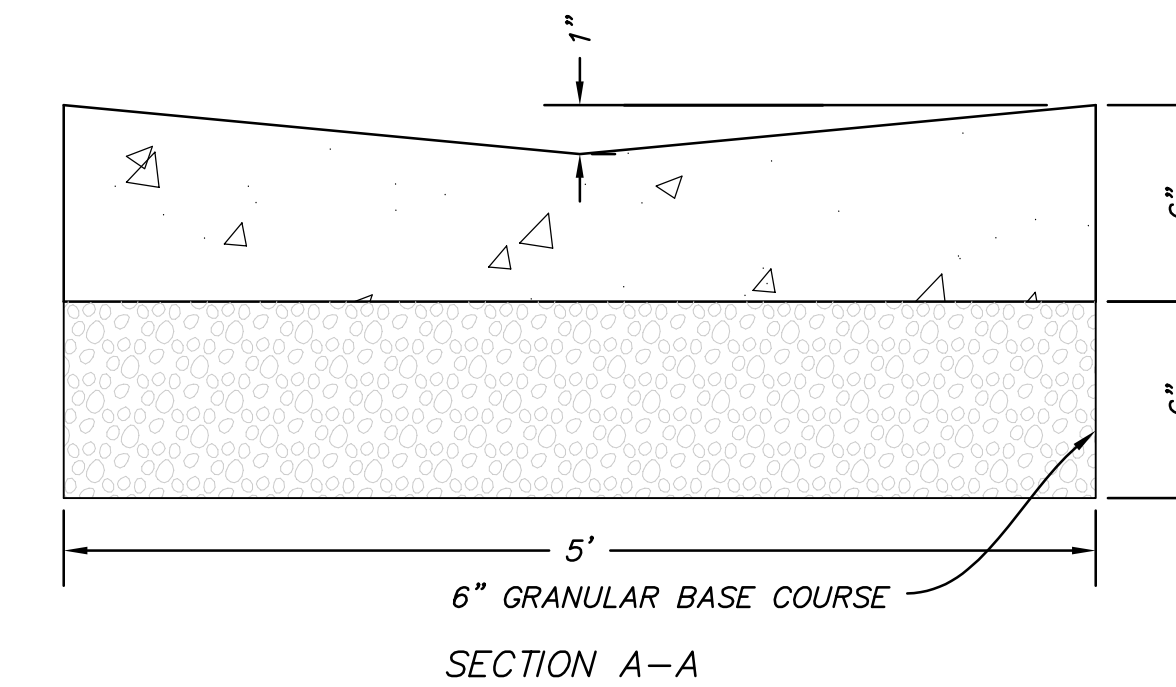
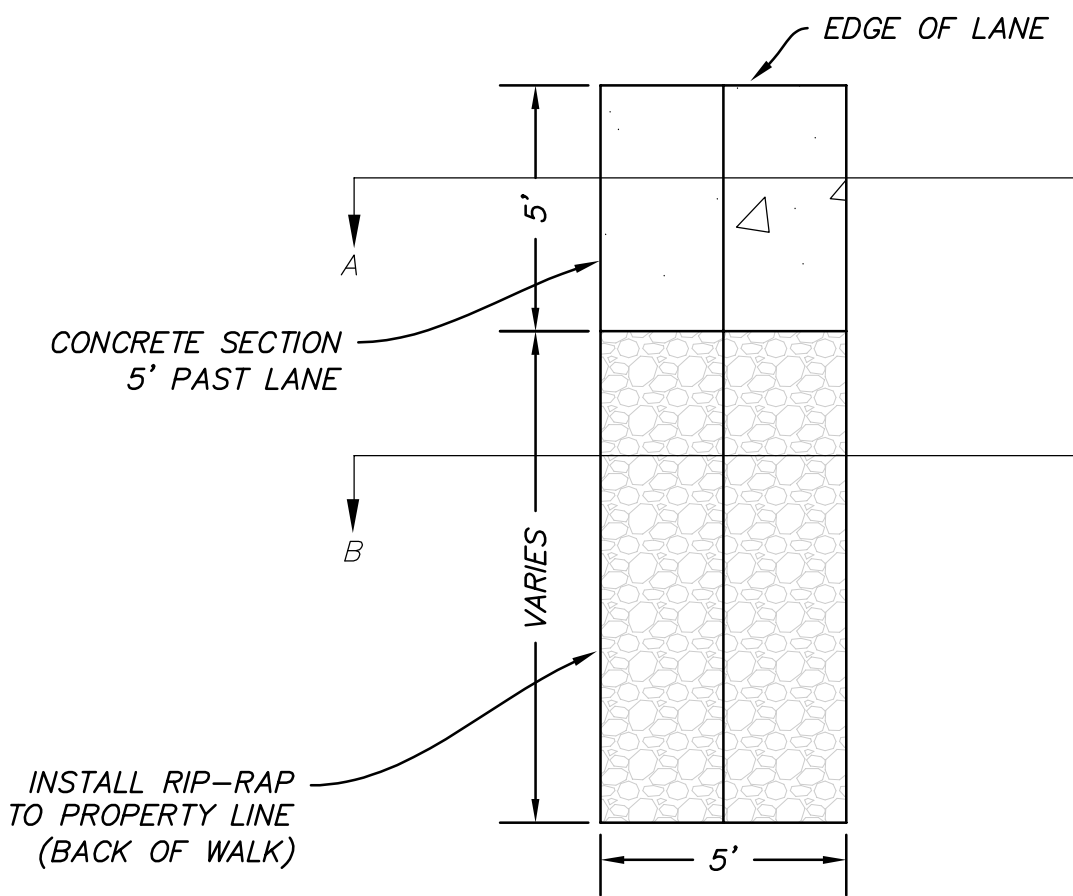


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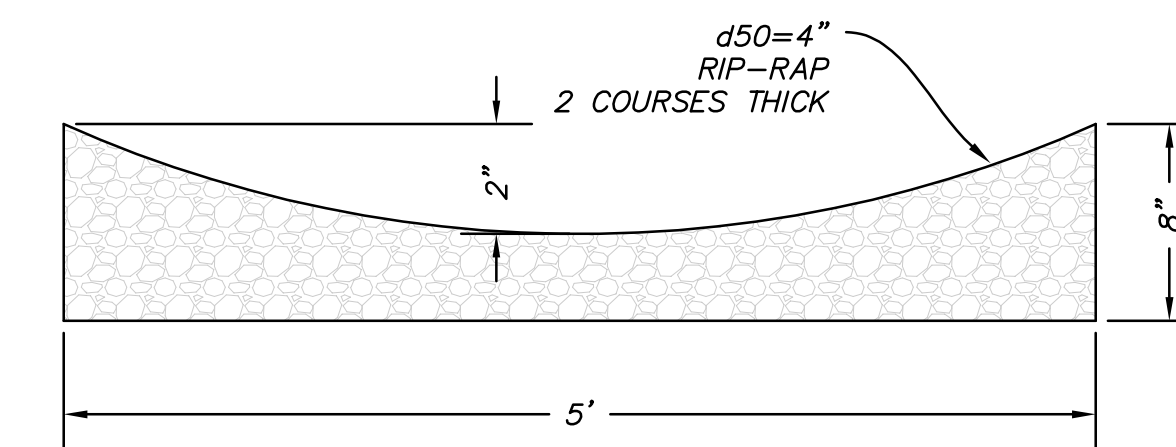


NOTE: INSTALL FILTREXX DITCH CHECKS AS SHOWN ON PLANS PER DETAIL PP/ERO2

TEMPORARY INTERCEPTOR DITCH AND FILTREXX DITCH CHECK
NOT TO SCALE



SECTION A-A



SECTION B-B

- NOTES:**
- CONCRETE SECTION WILL BE CONSTRUCTED THROUGH DRAINAGE EASEMENT. DRAINAGE EASEMENT LOCATION VARIES. SEE SITE PLAN FOR LOCATIONS

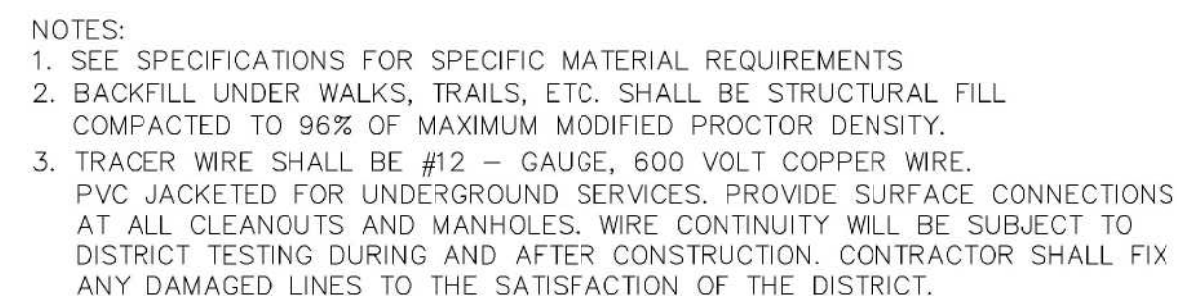
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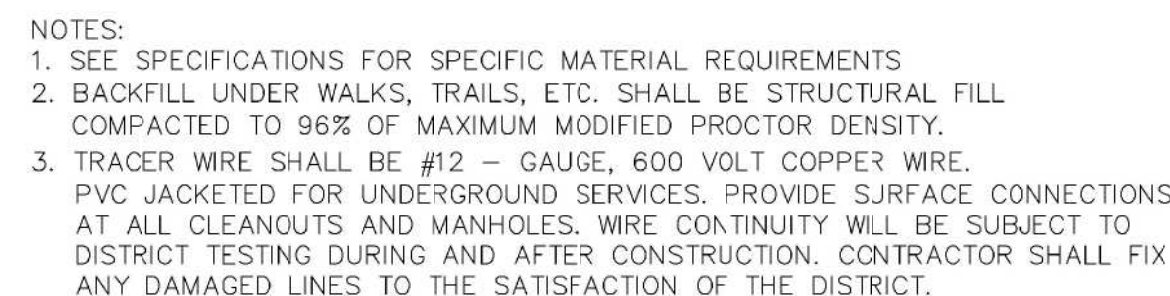
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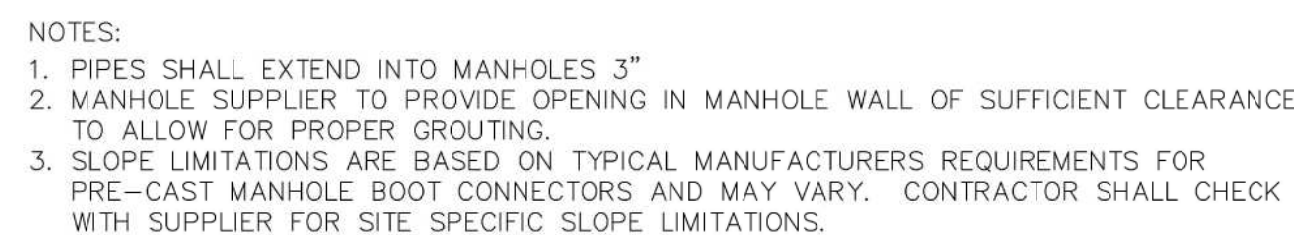


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MANHOLE ADJUSTMENT WITHIN PAVEMENT

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300.7



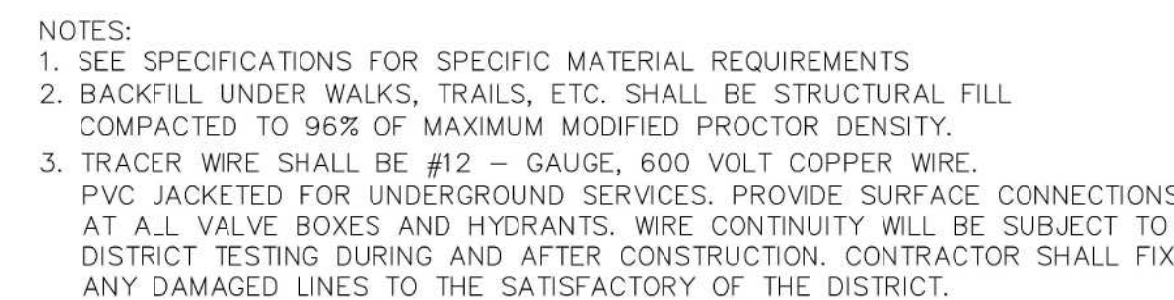
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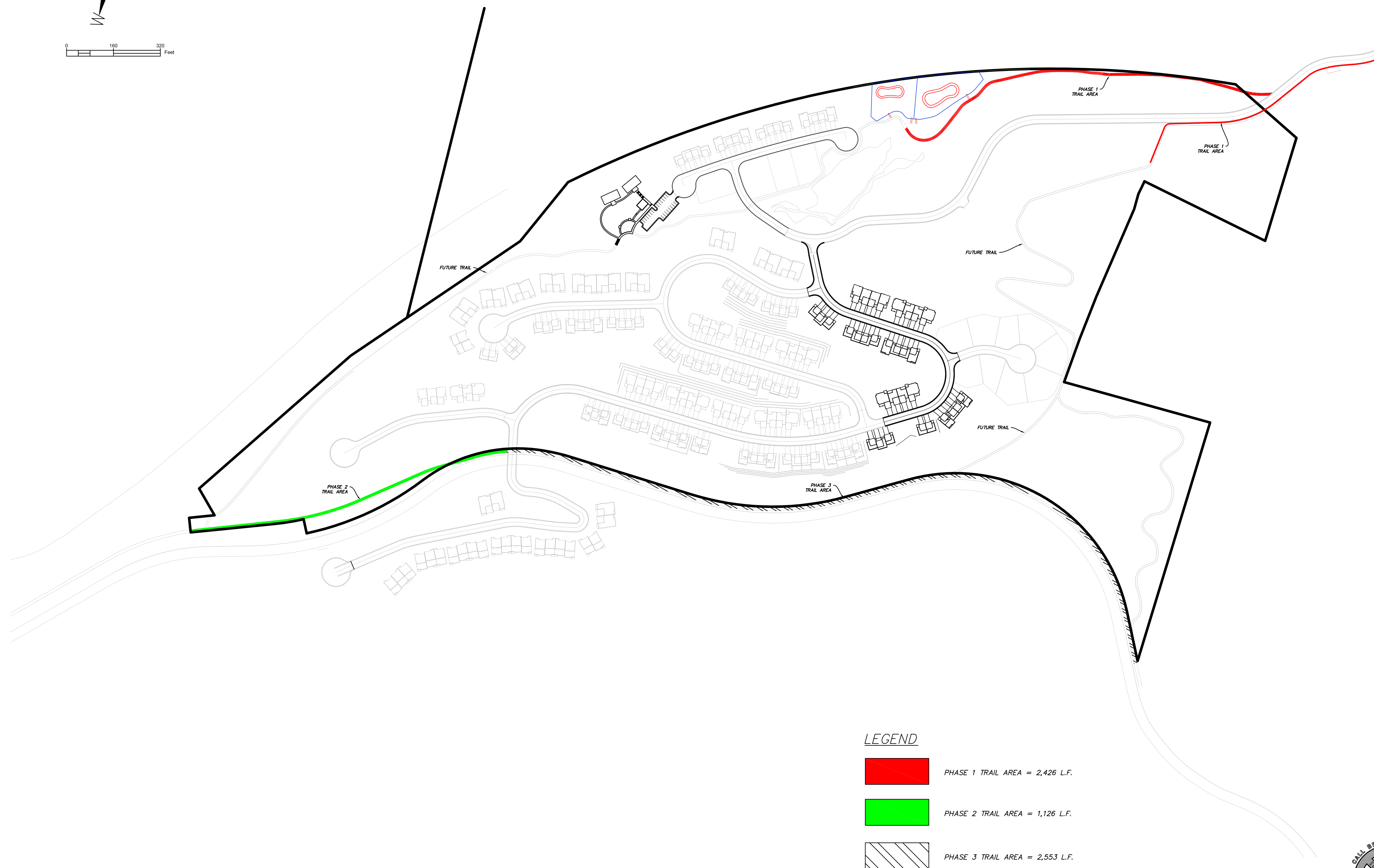
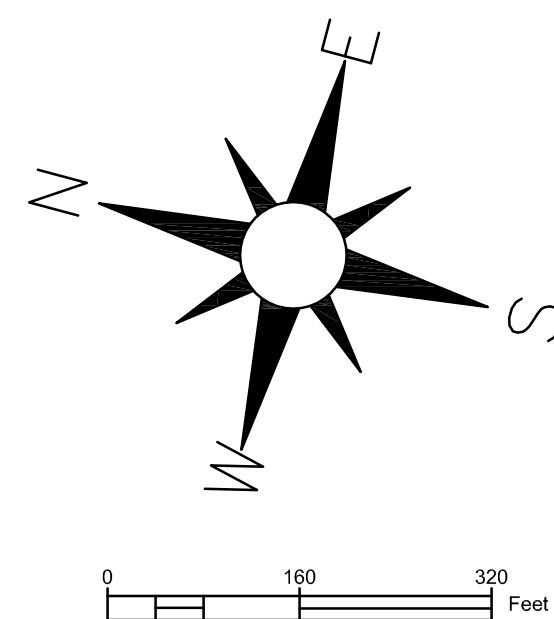


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DWG.
300.17





LEGEND

PHASE 1 TRAIL AREA = 2,426 L.F.

PHASE 2 TRAIL AREA = 1,126 L.F.

PHASE 3 TRAIL AREA = 2,553 L.F.



DEER SPRINGS
PHASE 3
TRAIL EXHIBIT

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HIDEOUT CITY

CITY ENGINEER

DATE _____

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File Attachments for Item:

1. Notice of 2021 Municipal Election



PUBLIC NOTICE

Pursuant to Utah Code 10-3-301(2), public notice is hereby given of offices up for election and dates of the election in the Town of Hideout, Utah.

OFFICES

| | |
|--------------------------|-------------|
| Mayor | 4-year term |
| Council Member (2 seats) | 2-year term |
| Council Member (2 seats) | 4-year term |

HOW TO FILE FOR OFFICE

Declaration of Candidacy forms or Nomination Petitions must be filed in person with the Town Clerk at 10860 North Hideout Trail, Hideout, Utah.

Interested parties may file for candidacy weekdays beginning
Tuesday, June 1st through Monday, June 7th
between the hours of 8:00 am – 5:00 pm.

QUALIFICATIONS FOR CANDIDACY

(Utah Code Annotated 20a-9-203):

1. Be a United States citizen at the time of filing
2. Be a registered voter of the municipality
3. Be a resident of the municipality for a period of twelve consecutive months immediately preceding the date of the election (11/2/2021)
4. Must not be a convicted felon, unless the right to hold elective office has been restored

MUNICIPAL CANDIDATE ELECTION DATES

| | |
|------------------------------|---------------------------|
| Primary Election (if needed) | Tuesday, August 10, 2021 |
| General Election | Tuesday, November 2, 2021 |

If you have any questions, please contact the Hideout Town Clerk, Alicia Fairbourne, at 435-640-2188 or email at afairbourne@hideoututah.gov

File Attachments for Item:

5. Presentation from the Infrastructure Committee on the Sanitary Sewer Master Plan, and Possible Adoption of the Plan by the Council

Town of Hideout



Sewer Capital Facility Plan

May 2021

Prepared By:



T-O ENGINEERS

Town of Hideout

Sewer Capital Facility Plan

May 2021

Geoffrey Ryan Taylor, S.E. _____
Utah S.E. # 6880006



T-O ENGINEERS

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Figure 5. Pipes are Overly Full in Silver Sky 15



Town of Hideout

SEWER CAPITAL FACILITY PLAN

EXECUTIVE SUMMARY

The Town of Hideout's sewer system is expected to experience growth as the community expands. In order for the sewer system to adequately handle the additional demands from future growth, system deficiencies will need to be corrected. Deficiencies have been identified at Silver Sky, Dead Man's Gulch Lift Station, and Deer Waters Phase I Lift Station. Funding for these projects will likely come from user rate adjustments, government grants, and low interest loans.



INTRODUCTION

The Town of Hideout (Town) is located in the northwestern corner of Wasatch County, Utah, just northeast of Jordanelle Reservoir along Highway 248. The Town was incorporated in 2008 and had a population of 658 in the 2010 census. In 2020, the Town had a population of approximately 1,121 residents and occupied 2,500 acres.

The subdivisions included in this analysis are as follows:

- Deer Waters
- Deer Springs
- Klaim
- Deer Mountain
- Shoreline Phase I, Phase II, and the remaining Shoreline development
- Golden Eagle Phases I, II, and III
- Venturi
- Plumb
- Glistening Ridge
- Rustler
- Lakeview Estates
- Soaring Hawk
- Silver Sky
- Reflection Lane
- Reflection Ridge
- Overlook Village
- Forevermore

At the time of this report, some of these subdivisions are built, some are in planning stages, and some are under construction. ***The existing sewer model was updated on November 9, 2020, and this is the model used for this Capital Facility Plan.***

A Town-operated sewer system serves the residents of Hideout. The sewer system currently includes 3 lift stations, all of which currently pump waste north to the Jordanelle Special Service District (JSSD) Lift Station. The existing Town lift stations are: Dead Man's Gulch, Vantage Lane (in Shoreline Phase II), and Deer Waters Phase I. Figure 1 highlights the general service area of the existing sewer system as well as the locations of the lift stations.



Figure 1. Existing Sewer Service Area

Item # 5.



1 in = 1,750 ft



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend



Lift Station

Page 90 Existing Service Area

TOWN OF HIDEOUT
SEWER SYSTEM
DATE: 6/30/2020



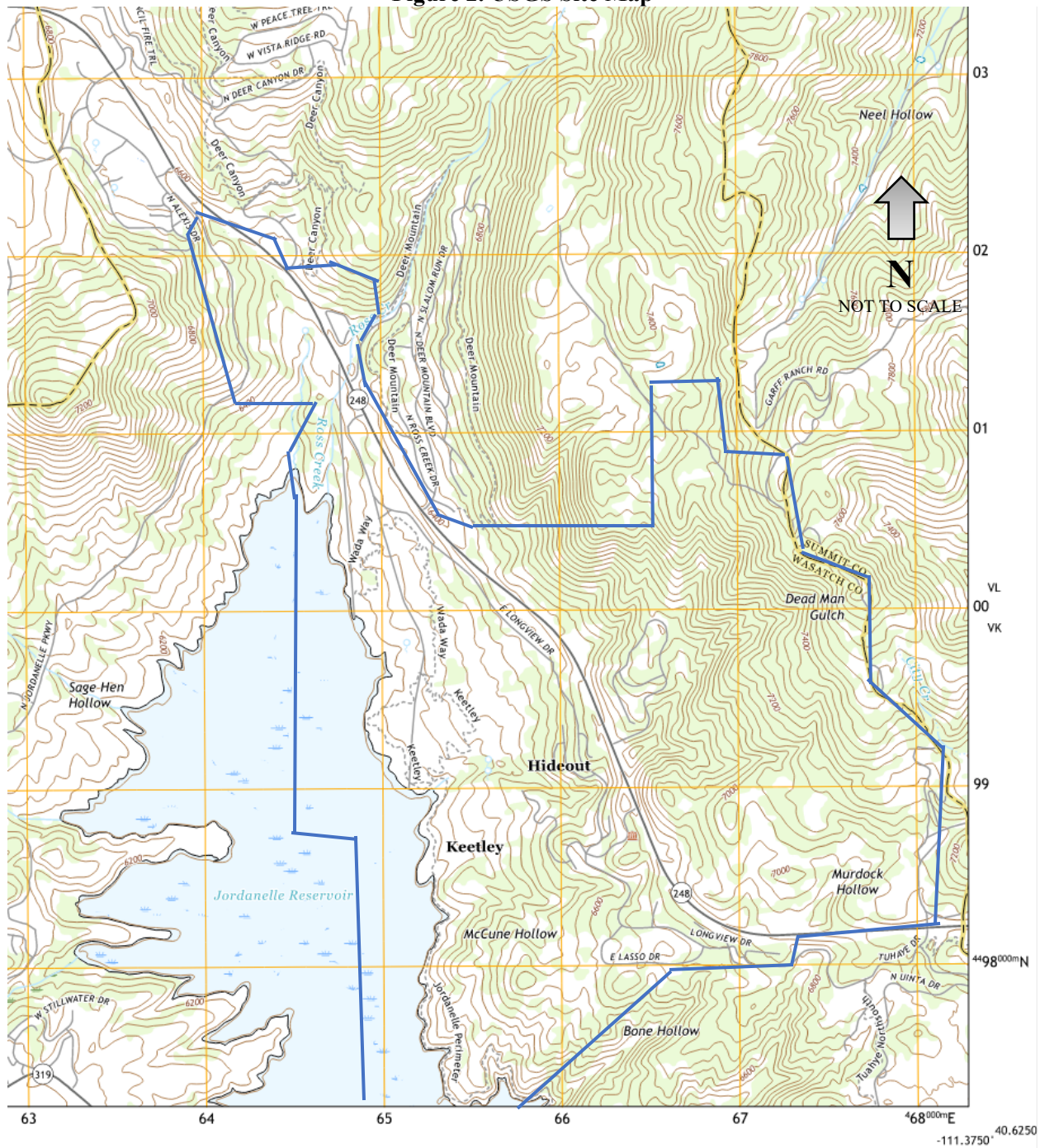
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TOPOGRAPHY

The Town of Hideout is located amongst Deer Valley, the Wasatch Mountains, and the Jordanelle Reservoir in Wasatch County. Within the Town's boundary, the topography consists of steep, mountainous terrain. There is a high area on the northeast side of the Town that is around 7,700 ft, and the lowest part of the Town is along the Jordanelle Reservoir with an elevation of about 6,150 ft. The elevation relief of approximately 1,550 feet is a major reason for the existence of the 3 lift stations within the service area, and additional unit-specific pumps in Rustler. A USGS map of the area is shown in Figure 2 with the Town Boundary roughly outlined.



Figure 2. USGS Site Map



PLANNING PERIOD

Development within the town is expected to continue for the next 10-15 years. It is expected that the town will reach full buildout before 2040 unless major re-zoning or large annexations occur. As the town grows, it is likely that this plan will become outdated. To ensure that the town will have the ability to adequately maintain and expand the town's sewer system, it is ***recommended that this report be updated every 10 years until full buildout is reached, or when major development changes occur.***

PLANNING AREA

A significant portion of the town is under construction or has plans to be developed. Subdivisions such as (but not limited to) Deer Springs, Golden Eagle, Lakeview Estates, and Shoreline are in the beginning stages of construction or are still in the planning stages. To account for this growth, the anticipated Equivalent Residential Units (ERUs), or family dwellings, were estimated based on plats and plans provided by developers. Potential annexation areas are not accounted for in this Capital Facility Plan. As such, this report will be limited to improving the sewer system within the existing town boundaries. If large annexations occur, this plan will need to be revisited and updated accordingly. Prior to providing services to a new annexation, the town will need to carefully determine the full system impacts, storage, capacity, and other details and require any impacts to be mitigated through impact fees, or the construction of additional facilities.

POPULATION AND GROWTH PROJECTIONS

The average growth rate in the Town of Hideout was 5.48% between 2010 and 2020. However, to estimate the number of residents after full buildout is completed, plats and plans were used to count the number of ERUs for the existing conditions and the full buildout.

Using the *Jordanelle Special Service District Water and Sewer Master Plan* from June 2015, it was assumed that each equivalent residential unit produces 340 GPD, or 0.24 GPM, of waste. A Peak Hour Sewer Production of 2.5 was used for peak hour analysis and is equivalent to 0.59 GPM/ERU of waste.

Table 1. Growth Projections

| | 2010 | 2015 | 2020 | 2040 (full buildout) |
|----------------------------|------|------|-------|----------------------|
| Town of Hideout Population | 658 | 825 | 1,121 | Not analyzed |
| ERUs | N/A | N/A | 450 | 2,279 |

FUTURE SEWER CONNECTION PROJECTIONS

The sewer system currently provides services for approximately 450 ERUs. The buildout conditions will require sewer services for approximately 2,279 ERUs (see Section B of the Appendix for potential annexation parcels). The sewer system will be laid as development occurs. This analysis was used to determine if the existing system can be expanded upon or if new sewer lines are needed.

Future connections to the system are anticipated to come from new development and will require the system to expand. Figure 3 indicates the areas of town that are expected to experience future growth based on proposed developments. It is estimated that the system is currently serving approximately 20% of the potential maximum number of connections in this area. There are discussions of annexations underway, but those discussions are not included in this report.

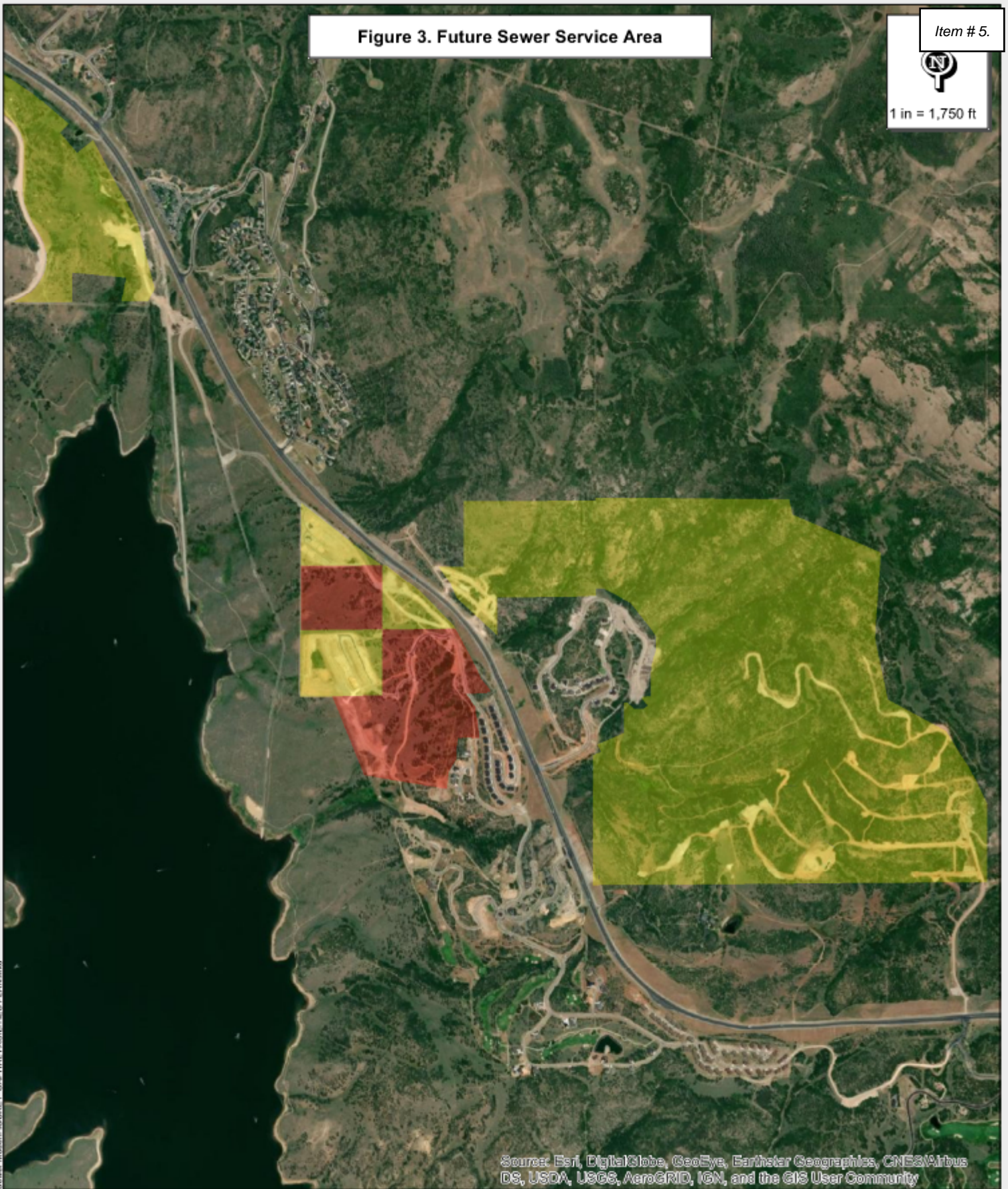


Figure 3. Future Sewer Service Area

Item # 5.



1 in = 1,750 ft



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

Discussions Underway

er Construction

TOWN OF HIDEOUT
SEWER SYSTEM

DATE: 6/30/2020



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EXISTING SEWER SYSTEM

As the population in the Town has increased, the system has been upgraded and expanded to accommodate increased demands. The oldest segments of the sewer system were installed around 2008 when Hideout became incorporated. However, most of the sewer system is relatively new and has been placed with new development. Replacing pipes due to deteriorated conditions is not anticipated at this time.

Survey data, previously established GIS information, and plan sets were used to set up the SewerGEMS model. The scenarios in the model include an existing scenario, a future scenario, and several buildout scenarios to help determine system improvements and their effects on the system.

PUMPING

There are several small house-specific pumps in the Rustler development that push sewage to the main line. These pumps were not modeled in SewerGEMS, but the flows coming from the homes were applied at the beginning of the Rustler gravity system. Most of the sewer system in the Town is gravity fed, but there are some sections of pressurized pipes.

There are 3 lift stations in the Town, as previously mentioned. The ID tags on the pumps were used to obtain pump curves for model inputs (see Section A for pump curves). The pumps at Deer Waters Phase I Lift Station have a flow rate of 150 GPM and a head of 102 ft. The Vantage Lane pumps have a flow rate of 400 GPM and a head of 97 ft. The Dead Man's Gulch pumps have a flow rate of 355 GPM and a head of 150 ft. Field-measured flow rates suggest the Dead Man's Gulch pump pushes between 340 and 375 GPM even though the ID tag says 270 GPM.

TREATMENT

Wastewater treatment does not occur in the Town. However, there are wet wells at the lift stations that temporarily store wastewater and may provide some biological treatment.

COLLECTION SYSTEM

The collection system consists of approximately 12 miles of 8-inch to 12-inch diameter lines constructed of PVC and HDPE, and approximately 3 miles of 2-inch to 6-inch pressurized pipes constructed of HDPE. These sewer lines collect wastewater from subdivisions within the Town of Hideout. The collection system is shown in Figure 4.



Figure 4. Existing Sewer Service System

Item # 5.



1 in = 1,750 ft

The JSSD sewer main is not part of the Hideout sewer system.

Golden Eagle is not currently built.

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

● Sewer Manhole — Existing

★ Lift Station

TOWN OF HIDEOUT
SEWER SYSTEM

DATE: 8/11/2020



T.O ENGINEERS

MODELING

The Town of Hideout's existing sewer system was analyzed using SewerGEMs, version 10.02.03.03. As previously discussed, a Peak Month Average Day Sewer Production of 0.24 GPM/ERU was used in the model with a Peak Hour Sewer Production Factor of 2.5. The average day production was used to analyze the lift stations, while the peak hour production was used to analyze the capacity of the collection system.

In the existing scenario, there are only 14 ERUs going to the Vantage Lane Lift Station. Once Shoreline and Lakeview Estates are fully developed, there will be approximately 217 ERUs going to the Vantage Lane Lift Station. The pump located in the Vantage Lane Lift Station can operate at its capacity in both the future and existing scenarios, with a velocity of 6.6 fps going through the 4-inch pressure main. According to the JSSD Water and Sewer Master Plan, a velocity larger than 7 fps constitutes a deficiently sized pipe. This force main flows south from Shoreline Phase 2 to the Dead Man's Gulch Lift Station. Once the flows reach Dead Man's Gulch, the lift station pumps flow north to the JSSD Lift Station near the Deer Springs development.

The Deer Waters Phase I Lift Station serves 9 ERUs in the existing scenario and will serve approximately 108 ERUs once Deer Waters is fully developed. The pressure main leaving this lift station is a 4-inch diameter pipe with a velocity of 4.8 fps in both the existing and future scenarios. There are currently plans of abandoning or removing this lift station in the future and directing flows elsewhere. The Deer Waters Phase I Lift Station is at a higher elevation than the JSSD Lift station based on survey data. This lift station is not needed when waste can be gravity fed.

The Dead Man's Gulch Lift Station takes wastewater from Golden Eagle, Soaring Hawk, Shoreline Phases 1 & 2, Silver Sky, and everything south of those subdivisions. In the existing scenario, Dead Man's Gulch serves 185 ERUs and has 314 GPM coming into the lift station. In the future scenario, assuming the subdivisions are fully built out and flows continue to go to Dead Man's Gulch Lift Station, the lift station would be accepting 421 GPM from approximately 929 ERUs. The pressure main leaving the lift station can only handle 458 GPM, so the lift station is close to its capacity.

In the buildout scenarios, the analysis indicated that the pipes on the south end of Silver Sky are twice as full as all the remaining pipes in the sewer system. This is a result of pipe slopes being mild and then suddenly transitioning to steep. It is likely that waste would sit in the flatter pipes, and when it finally gets pushed down the steeper pipe, the system would be overwhelmed in this area. This location is shown in Figure 5.

Typically, pipe capacity is checked at 75% to determine if pipes are undersized. In this situation, the pipes aren't undersized, but the pipe slopes are causing waste to sit in the pipes.



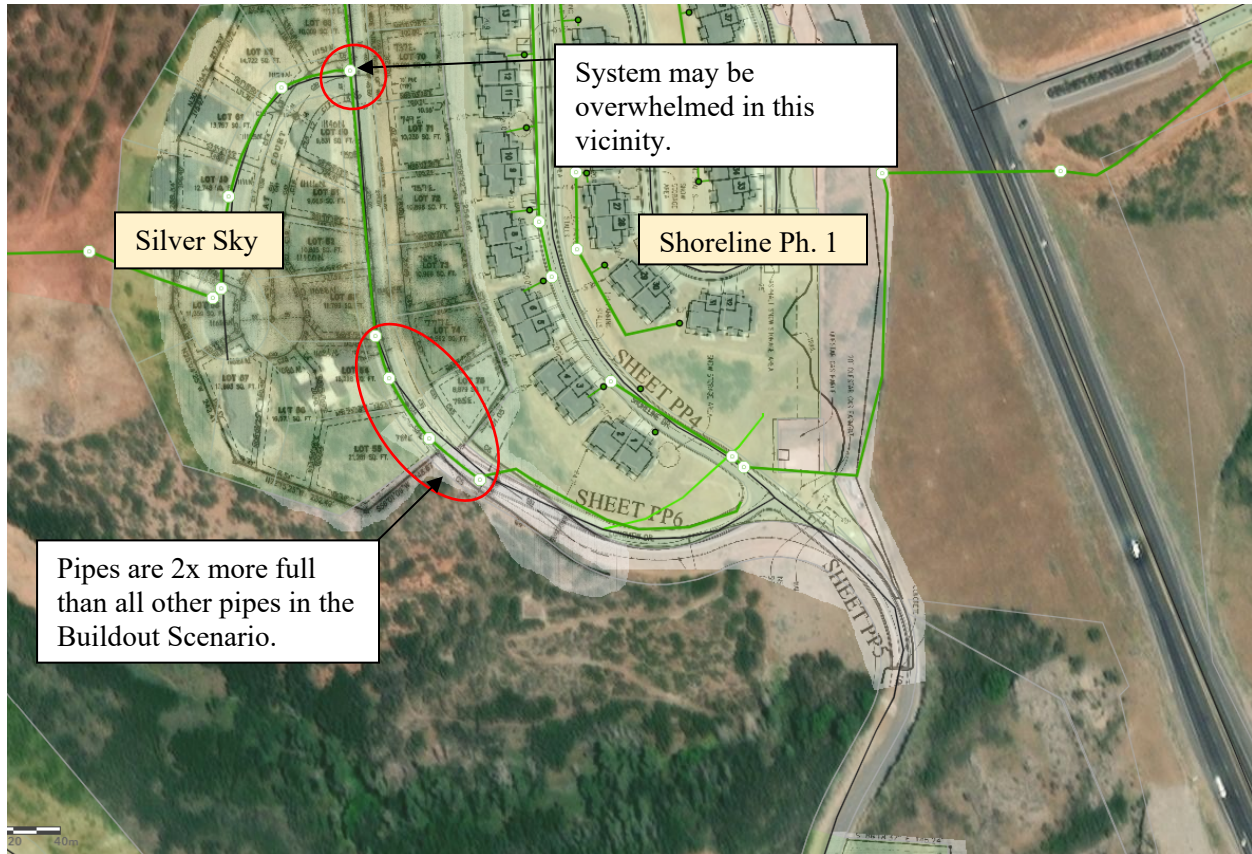


Figure 5. Pipes are Overly Full in Silver Sky

Initially, it was decided that 70% would be used to check pipe capacity to account for any differences in pipe slopes between the model and what is built. Most subdivisions had plan and profile sheets available, though not all these subdivisions are currently built. Also, some sections of pipe did not have profiles available. As the model was refined, it became apparent that the pipes on the south end of Silver Sky are significantly more full than the rest of the system.

Additional ERUs were added to the buildout scenarios to reflect ongoing development discussions. See Section B of the Appendix for these locations and ERUs associated with each parcel.

RECOMMENDED SEWER SYSTEM IMPROVEMENTS AND UPGRADES

There are points of constriction at the Dead Man's Gulch Lift Station as well as overly full pipes in Silver Sky. Options to correct existing deficiencies and prevent future deficiencies are discussed below. Resolving existing deficiencies will enable the sewer system to handle buildout conditions.

COLLECTION SYSTEM

As previously described, the sewer pipes at the south end of Silver Sky are twice as full as the rest of the system during the buildout conditions. It is recommended the Town connect Soaring Hawk and Golden Eagle to the JSSD sewer system in Highway 248, reducing the amount of waste that reaches Silver sky. This connection will prevent the system from being overwhelmed.

CAPACITY

If no changes are made to the sewer collection system, the pump located at Dead Man's Gulch Lift Station needs to be replaced with a pump that can push 420 GPM to handle buildout flow rates. Also, the overflow pond on the north side of the lift station is not ideal. Directing flows elsewhere in the system will prevent the pump and pressure main from being overwhelmed.

LIFT STATIONS

If wastewater from Deer Waters and Lakeview Estates were gravity fed to the Vantage Lane Lift Station, an average flow rate of 78 GPM would reach the Vantage Lane Lift Station after buildout, and the pump can push around 400 GPM according to the ID Tag. However, the pump can only handle 97 ft of head. The pump needs to be able to handle approximately 160 ft of head for Vantage Lane to be able to pump flows up to the JSSD Lift Station.

The flow rate reaching Vantage Lane Lift Station during peak hour demand would be 193 GPM. In addition, the Shoreline Phase 2 sewer system under Vantage Lane has capacity to accept the buildout flow rates from Deer Waters and Lakeview Estates. It is recommended that the Deer Waters Phase I Lift Station be removed and flows from Deer Waters and Lakeview Estates be gravity fed to the Vantage Lane Lift Station. A larger pump will need to be installed at the Vantage Lane Lift Station to get waste to the JSSD Lift Station. It is also recommended a 4" pressure main be installed between the Vantage Lane Lift Station and the 4" pressure main the Deer Waters Phase I Lift Station is currently using.

Redirecting Vantage Lane flows to the north would reduce the amount of wastewater reaching the Dead Man's Gulch Lift Station. In the existing conditions, the Vantage Lane Lift Station sends 250 GPM to the Dead Man's Gulch Lift Station, which is approximately 55% of the Dead Man's Gulch pump capacity. For buildout conditions, if the Vantage Lane Lift Station sends flows directly to the JSSD Lift Station, and if Golden Eagle and Soaring Hawk tie into the JSSD Sewer Main, the flow rate getting to Dead Man's Gulch would be approximately 169 GPM coming from 704 ERUs. This scenario includes the remaining Shoreline area, which will contribute approximately 574 ERUs to this lift station. These conditions would not require the pump to have a higher capacity and would not require additional storage for wastewater.



CONSTRUCTION PRIORITIZATION

The improvements and upgrades discussed in the previous sections describe individual projects that will need to be completed within the next 15-20 years to maintain and upgrade the town's sewer system. Ideally, the town would design and construct solutions for the 3 deficiencies at once to maximize the benefits to the citizens as soon as possible. However, funding and logistical constraints will likely require these projects to be constructed in phases as funds become available. The purpose of this section is to identify the optimum construction order to provide the maximum benefits to the existing customer base as soon as practical. The need and urgency of the projects were evaluated and sorted qualitatively using the following criteria:

- 1) Existing probability of failure of sewer system component(s)
- 2) The cost / time necessary to repair the existing component(s)
- 3) Anticipated growth areas

Through this evaluation it was determined that recommendations to improve the existing system were the highest priority to prevent potentially overwhelming the sewer system. The prioritized list of recommended projects is presented in Table 2. ***It is recommended that project 1 be completed within the next three to five years to prevent overwhelming the sewer system.***

Table 2. Project Prioritization

| Priority | Location | Justification |
|----------|----------------------------------|--|
| 1* | Silver Sky | Prevent overwhelming the system in Silver Sky |
| 2 | Dead Man's Gulch Lift Station | Reduce the amount of waste reaching this lift station. This deficiency will become more apparent as development continues and more waste is sent here. |
| 3 | Deer Waters Phase I Lift Station | Remove or abandon lift station |

* Projects are required within the next 3 to 5 years

OPINION OF PROBABLE COST

The costs for the proposed projects are presented in the following sections. There are many methods and materials available to contractors when it comes to backfilling, compaction, and visual aesthetics of roadways, all of which affect cost. The more flexibility the contractors have when these projects are being bid out, the more cost savings options the contractor can utilize.

UNIT COST JUSTIFICATION

Construction costs for the recommended projects are shown in Table 3. The costs listed below are the base costs used for the analysis, however, some of the costs will vary with the different project options. The unit costs are based on recent bids for similar projects and engineering judgment, and are estimates only. Market values can fluctuate over time and cause these estimates to be outdated by the time construction occurs.

Table 3. Conceptual Unit Cost Summary

| Item | Unit | Cost Per Unit |
|--|------|-------------------|
| Mobilization and Demobilization | Lump | 10% of Total Cost |
| Traffic Control | Days | \$ 240.00 |
| Remove Existing Pipe | LF | \$ 6.00 |
| Remove Manhole | Each | \$ 1,200.00 |
| Remove Existing Surface Materials | LF | \$ 11.76 |
| Install 8" Sanitary Sewer Pipe | LF | \$ 53.00 |
| Install 6" Pressurized Sanitary Sewer Pipe | LF | \$ 104.00 |
| Install 4" Pressurized Sanitary Sewer Pipe | LF | \$ 91.00 |
| Install 4-Foot Diameter Manhole | Each | \$ 4,320.00 |
| Install 5-Foot Diameter Manhole | Each | \$ 5,400.00 |
| Reconnect Service Laterals | Each | \$ 2,100.00 |
| Connect to Existing System | Each | \$ 3,920.00 |
| Roadway Patching | SY | \$ 42.00 |
| Landscaping and surface Restoration | SY | \$ 1.80 |

In addition to the estimated construction cost, design and administrative costs have been added to the base construction cost as shown below:

| | |
|-------------------------|------------|
| Engineering and Survey | 8% |
| Construction management | 3% |
| Material Testing | 2% |
| City management | 1% |
| Legal | 1% |
| Contingency | 15% |
| Total | 30% |

Table 4 provides estimated project costs for the recommended actions to correct deficiencies. Costs are based on 2021 dollars. For more details on the estimated project costs, see Section D of the Appendix. For more details on considered system improvements, see Section C of the Appendix.



Table 4. Estimated Project Cost Summary

| Location | Recommended action | Cost per LF of Pipe |
|------------------|--|---------------------|
| Silver Sky | Tie Soaring Hawk and Golden Eagle into the JSSD sewer main on HWY 248 | \$ 488 |
| Dead Man's Gulch | Direct Vantage Lane Lift Station waste directly to the JSSD Lift Station through a new 6-inch line | \$ 218 |
| Deer Waters | Take flows south to the Vantage Lane Lift Station | \$ 124 |

FUNDING ALTERNATIVES

Acquiring sufficient funds to construct all of the recommended construction projects is a considerable task for a community the size of Hideout. The town does not presently have the required funds to construct these projects in a reasonable timeframe. In order to complete the necessary projects in the recommended timeframe, a combination of increased user rates, altered rate structure and impact fees, along with government grants and low interest loans will be required.

To mitigate the financial impact on the community and to expedite the most critical projects, a combination of government grants and low-interest or interest-free loans is recommended to complete the projects in a more timely fashion. One funding source that is available to the Town is the USDA Rural Development Water & Waste Disposal Loan & Grant Program. They provide long term, low interest loans to rural towns with populations of 10,000 or less, and provide grants if funds are available.

CAPITAL FACILITY FUNDING (UPGRADES)

The most common source of funding for capital facilities projects that will be required to support future growth is through the collection of "impact fees." An impact fee is defined as:

"A one-time charge on new development for the purpose of raising revenue for new or expanded public facilities necessitated by that development."

Impact fees can be applied in any logical manner that provides a fair and equitable fee system. One method to implement an impact fee would be to set a single fee for all new connections regardless of size or intended use. A more common method is to develop a fee schedule that factors in the usage of each connection. This method allows the town to charge more to users whom intend to dispose of a larger volume of waste. This second method is often calculated using ERUs. This method determines what the "typical" residential unit (household) contributes to the system.

In the case of Hideout's sewer system, the average household is currently served through a 1 ½ to 2-inch lateral connection. It is anticipated that the majority of future connections will be 1 ½ to 2-inch connections.

SUMMARY

Evaluation of the overall condition of the existing Hideout Sewer System was completed to locate existing and future deficiencies, and plan for additional connections. Two areas were identified as being deficient in some manner: Silver Sky and Dead Man's Gulch Lift Station. Once improvements are made to these areas, the existing sewer system will be a solid foundation to expand upon as the town develops. The recommended improvements will restore existing system deficiencies and accommodate future growth within the town.



RESOURCES

1. Jordanelle Special Service District Water and Sewer Master Plan, Impact Fee Facilities Plan, Impact Fee Analysis, and Rate Study from June 2015
2. KSM KRT K 80-251 Pump Curve at 3500 rpm
3. Barnes Series 4SHVB Performance Curve
4. Smith & Loveless Pump Curve for 4B2D*1
5. My City Inspect for Hideout, UT
6. Kent Cuillard – Town of Hideout Public Works Director
7. Town of Hideout Plans and Plats for Developments



APPENDIX

- A. Pump Curves
- B. Additional ERU Locations for Buildout Conditions
- C. Considered System Improvements
- D. Estimated Project Costs
- E. SewerGEMs Report



A. PUMP CURVES

Series 4SHVB

Vantage Lane Pump Curve

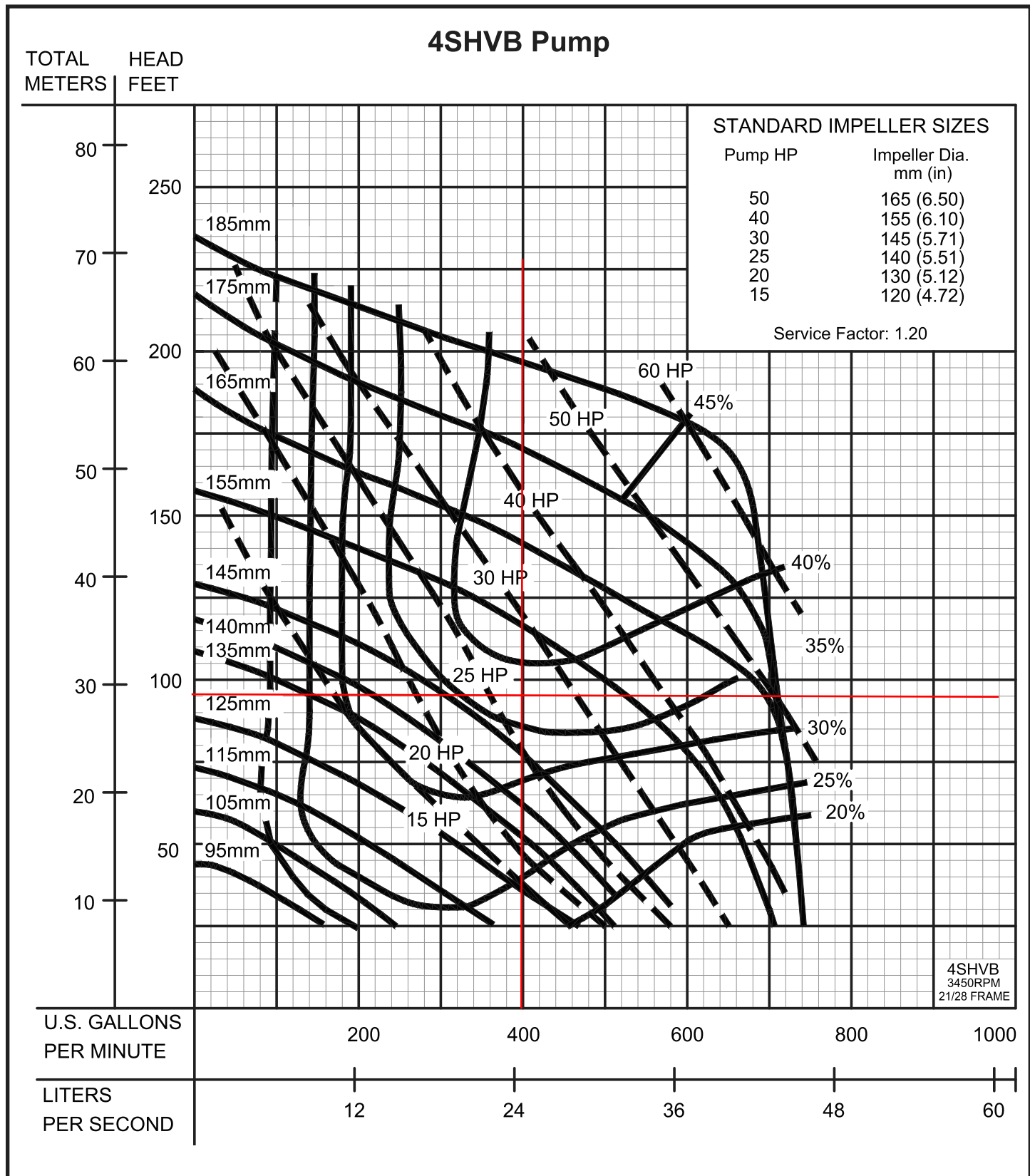
BARNES[®]
Item # 5.

Performance Curve

15 - 50HP, 3450RPM, 60Hz, 21 & 28 Frame

www.cranepumps.com

Solids Handling Submersible Pumps



SECTION 01C

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2

CRANE[®]

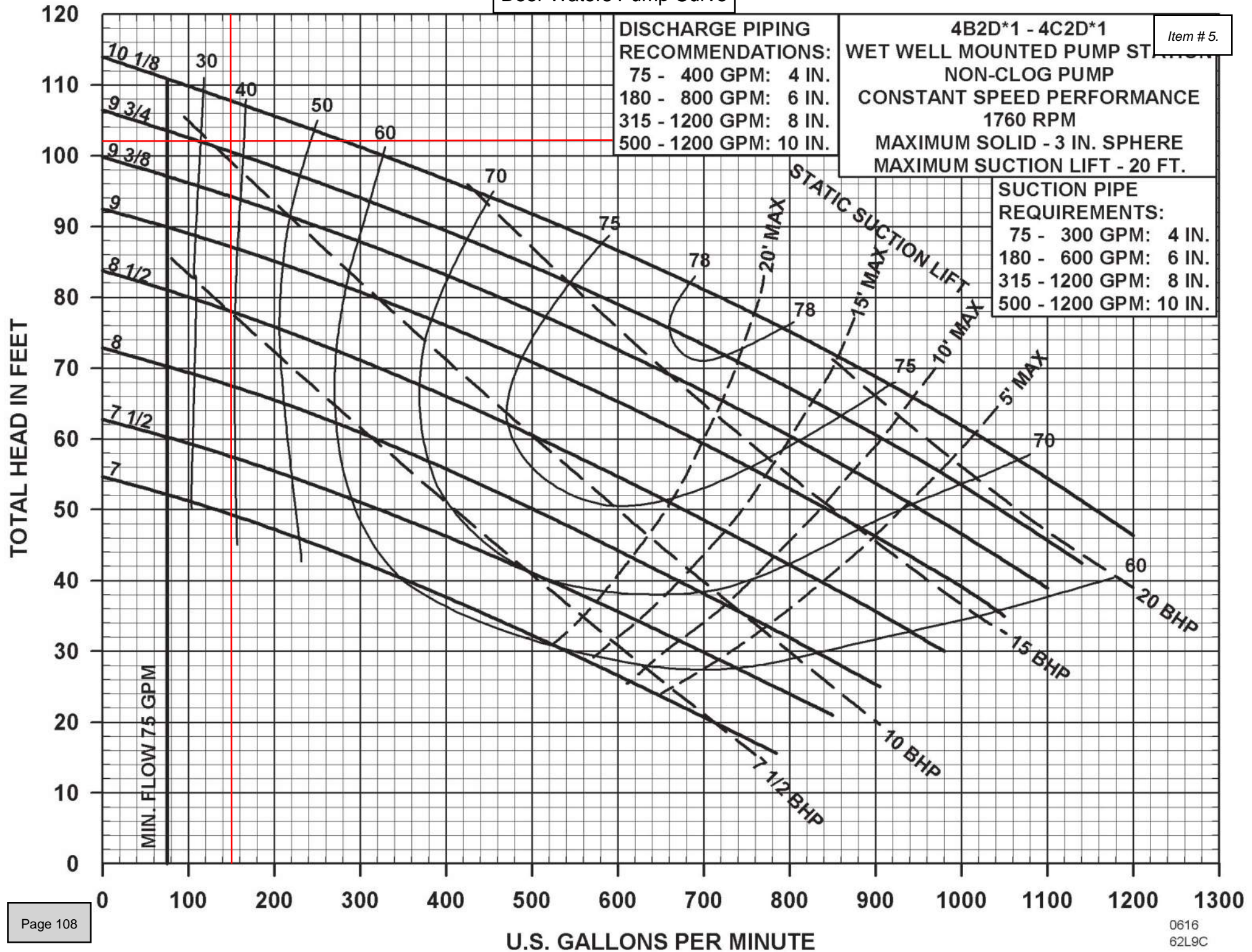
A Crane Co. Company

PUMPS & SYSTEMS

USA: (937) 778-8947 • Canada: (905) 457-6223 • International: (937) 615-3598

Deer Waters Pump Curve

Item # 5.

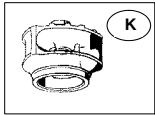




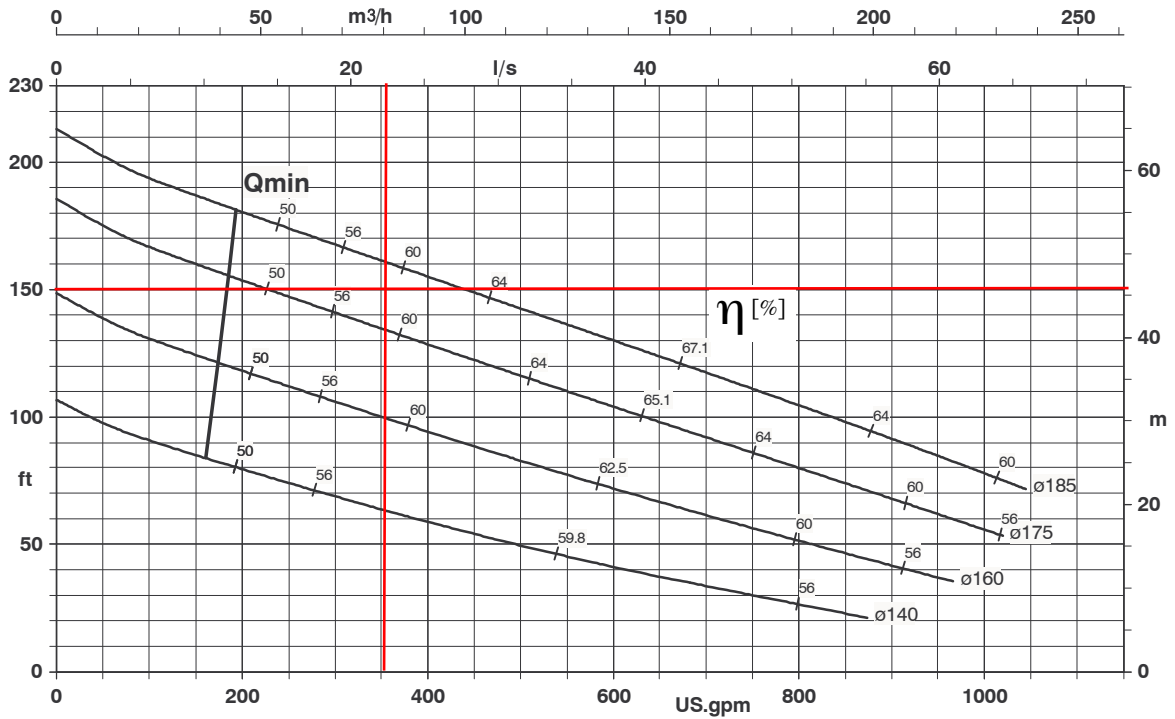
KRT K 80-251

3500 rpm

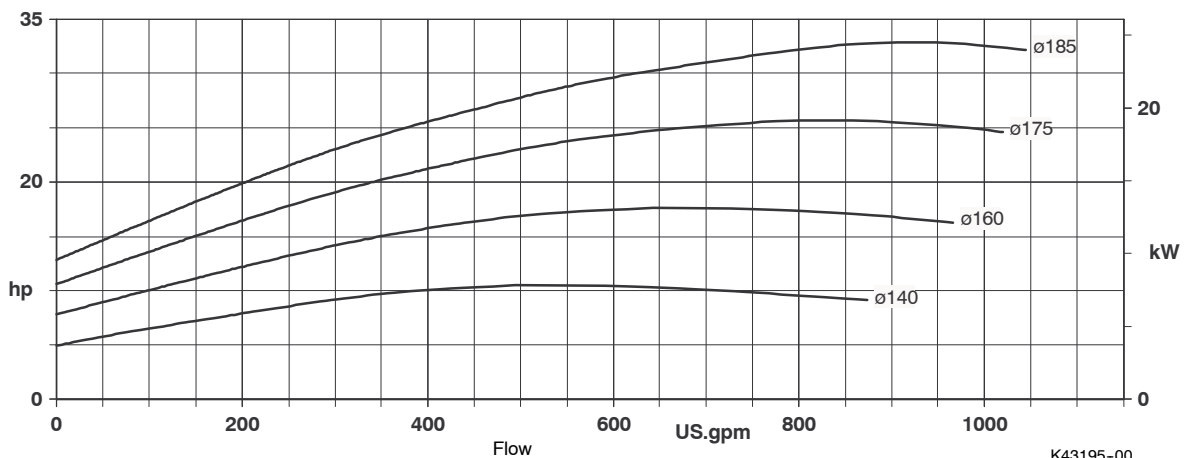
3 inch



TDH



Power Input



Free passage

1 1/8" (33 mm)

Flow

K43195-00

| MOTOR RATING Material | | | | MAX. LIQUID TEMP. | | MOTOR CODE |
|--------------------------|--------|----|------|----------------------|----|-----------------|
| G, G1, GH, H | C1, C2 | °F | °C | | | |
| Hp | kW | Hp | kW | °F | °C | |
| 10 | 7.5 | 10 | 7.5 | 140 | 60 | 122W 122Z *) |
| 15 | 11.2 | 15 | 11.2 | 104 | 40 | 122U 122X *) |
| 20 | 14.9 | 20 | 14.9 | 140 | 60 | 172W 172Z *) |
| 23 | 17.2 | 22 | 16.4 | 104 | 40 | 172U 172X *) |

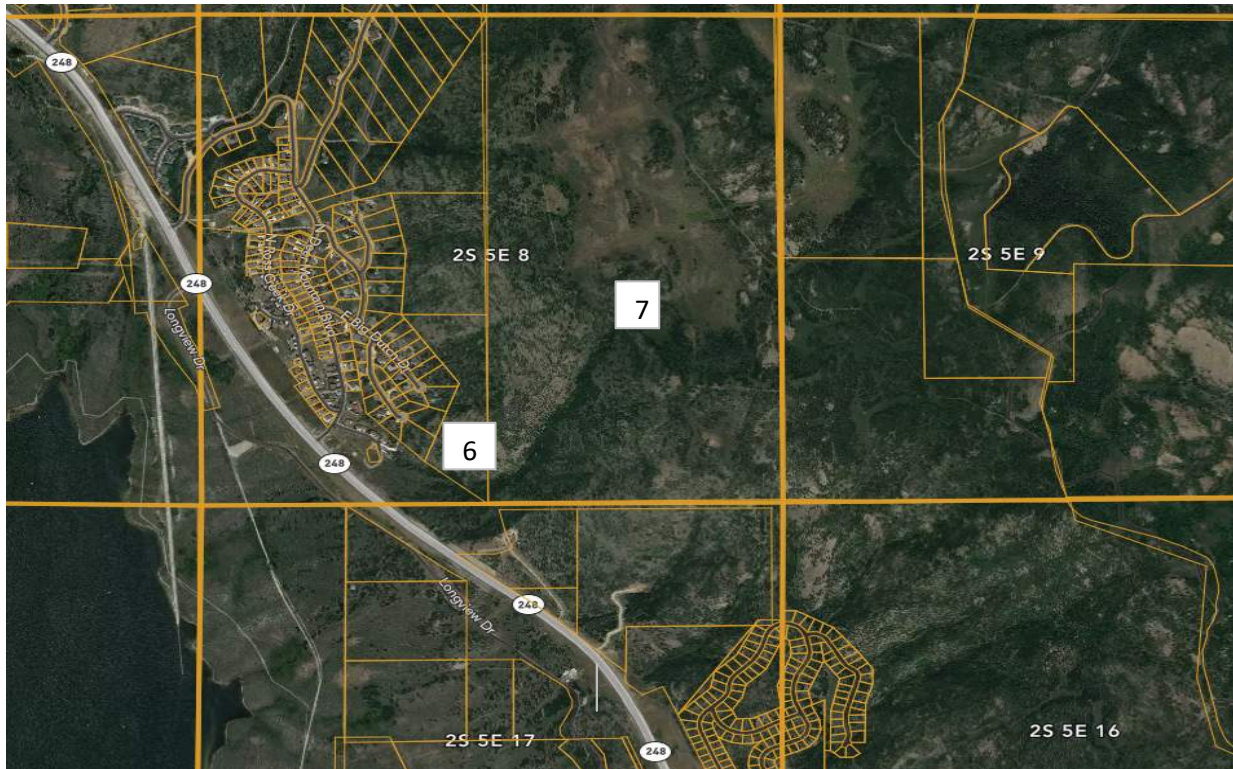
| MOTOR RATING Material | | | | MAX. LIQUID TEMP. | | MOTOR CODE |
|--------------------------|--------|----|------|----------------------|----|-----------------|
| G, G1, GH, H | C1, C2 | °F | °C | | | |
| Hp | kW | Hp | kW | °F | °C | |
| 25 | 18.7 | 24 | 17.9 | 140 | 60 | 252W 252Z *) |
| 30 | 22.4 | - | - | 104 | 40 | 222U 222X *) |
| 34 | 25.3 | 30 | 22.4 | 104 | 40 | 252U 252X *) |

*) FM/CSA = Explosionproof to Class I, Division 1, Groups C & D

B. ADDITIONAL ERU LOCATIONS FOR BUILDOUT CONDITIONS



Additional ERUs According to Discussions



| ID | Total Acreage | Assumed Acreage per ERU | Total ERUs | Sewer Demand |
|----|---------------|-------------------------|------------|--------------|
| 1 | 5.5 | 0.0785 | 70 | 16.82 |
| 2 | 43 | 0.3 | 143 | 34.40 |
| 3 | 21.4 | 0.2 | 107 | 25.68 |
| 4 | 48.6 | 0.2 | 243 | 58.32 |
| 5 | 15.8 | 0.1 | 158 | 37.92 |
| 6 | 20.6 | 0.2 | 103 | 24.72 |
| 7 | 333 | 0.2 | 1665 | 399.60 |

C. CONSIDERED SYSTEM IMPROVEMENTS



Table 5. Considered Sewer Main Updates for Silver Sky

| Option | Recommended Action | Diameter (in) | Length (ft) |
|--------|---|---------------|-------------|
| A.1 | Increase the slope in the existing pipes by replacing the existing lines | 8 | 350 |
| A.2 | Increase the slope in the existing pipes by laying new pipes outside of the roadway and abandoning the existing lines | 8 | 630 |
| A.3 | Lay a new 8-inch sewer line south of the existing homes to route waste around the deficiency | 8 | 750 |
| A.4 | Tie Soaring Hawk and Golden Eagle into the JSSD sewer main on HWY 248 | - | - |

Table 6. Considered Lift Station Updates for Deer Waters

| Option | Recommended Action | Diameter (in) | Length (ft) |
|--------|--|---------------|-------------|
| B.1 | Replace the 4-inch pressure main with a 6-inch pressure main | 6 | 5,000 |
| B.2 | Lay a 6-inch pressure main parallel to the 4-inch pressure main | 6 | 5,000 |
| B.3 | Take some/all flows south to a Lakeview Estates Lift Station | 6 | 900 |
| B.4 | Take some/all flows south to the Vantage Lane Lift Station | 6 | 1,100 |
| B.5 | Leave the 4-inch main, assuming the Lift Station will be abandoned in the next 3-5 years | N/A | N/A |

Table 7. Considered Lift Station Updates for Dead Man's Gulch

| Option | Recommended Action | Diameter (in) | Length (ft) |
|--------|---|---------------|-------------|
| C.1 | Direct Vantage Lane Lift Station waste directly to the JSSD Lift Station through a new 6-inch line | 6 | 7,100 |
| C.2 | Direct Vantage Lane Lift Station waste directly to the JSSD Lift Station by connecting into the Dead Man's Gulch pressure main just south of Shoreline Phase 2 with a 6-inch pipe | 6 | 100 |
| C.3 | Install an 8-inch line parallel to the JSSD Sewer Main along HWY 248 AND redirect Vantage Lane Lift Station flows (see options C.1 and C.2) | 8 | 8,636 |
| C.4 | Direct Vantage Lane Lift Station waste directly to the JSSD Lift Station through a new 6-inch line | 6 | 2,140 |
| C.5 | Redirect Soaring Hawk and Golden Eagle flows into the JSSD sewer main AND redirect Vantage Lane Lift Station flows (see options A.4, C.1 and C.2) | - | - |

Option: A.1 - Replace existing lines in Silver Sky



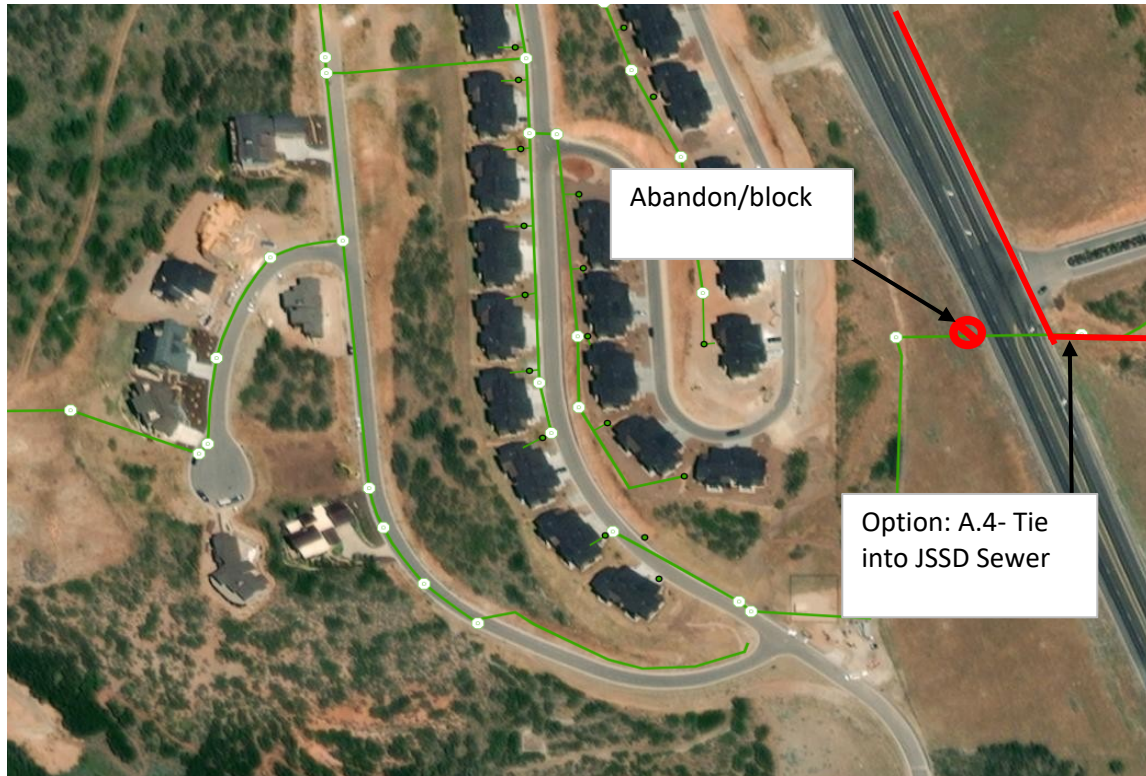
Option: A.2 - Lay new 8-inch lines in Silver Sky



Option: A.3 - Lay new 8-inch lines south of Silver Sky



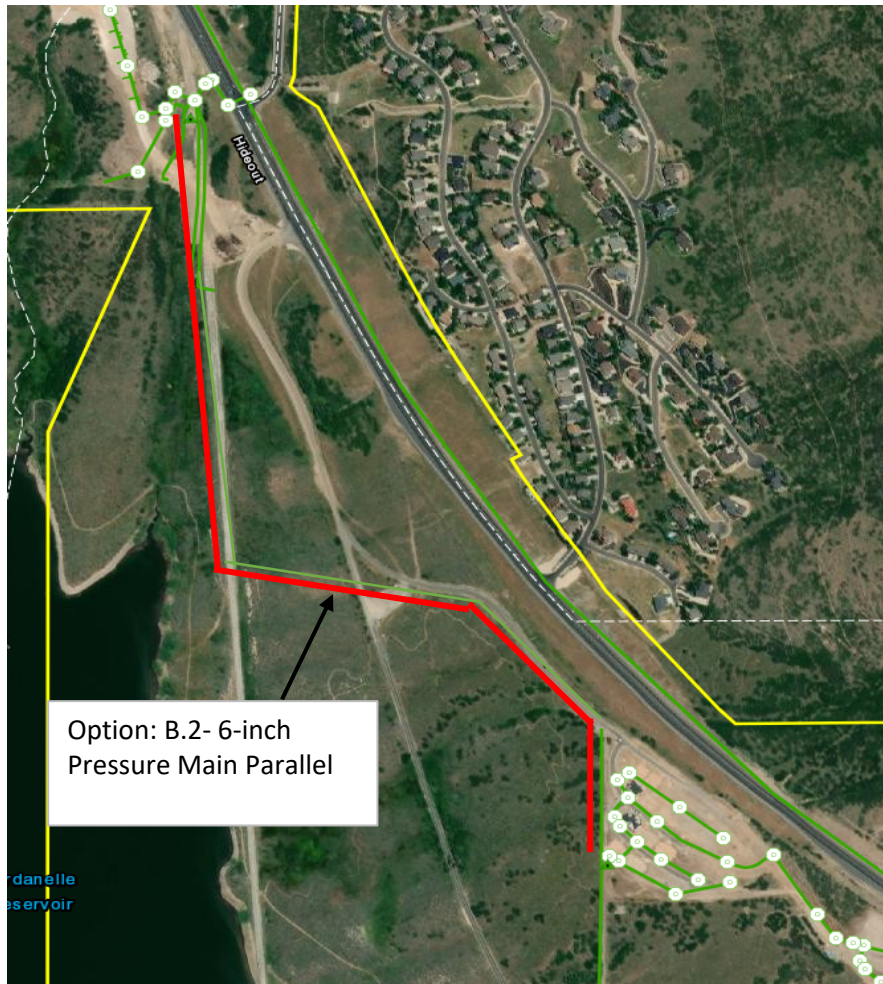
Option: A.4 - Tie into JSSD Sewer System



Option: B.1 - Replace 4-inch with 6-inch Pressure Main



Option: B.2 - 6-inch Pressure Main Parallel to 4-inch Main



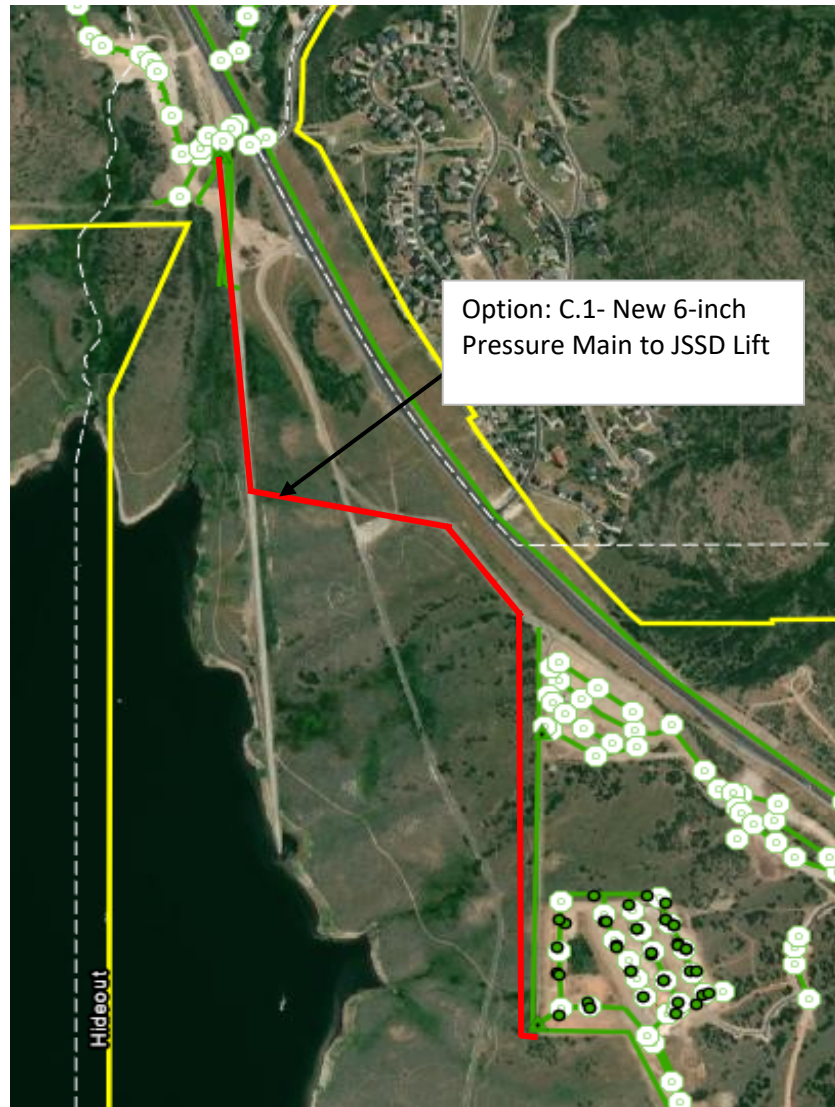
Option: B.3 - Gravity Feed Flows to Lakeview Estates Lift Station



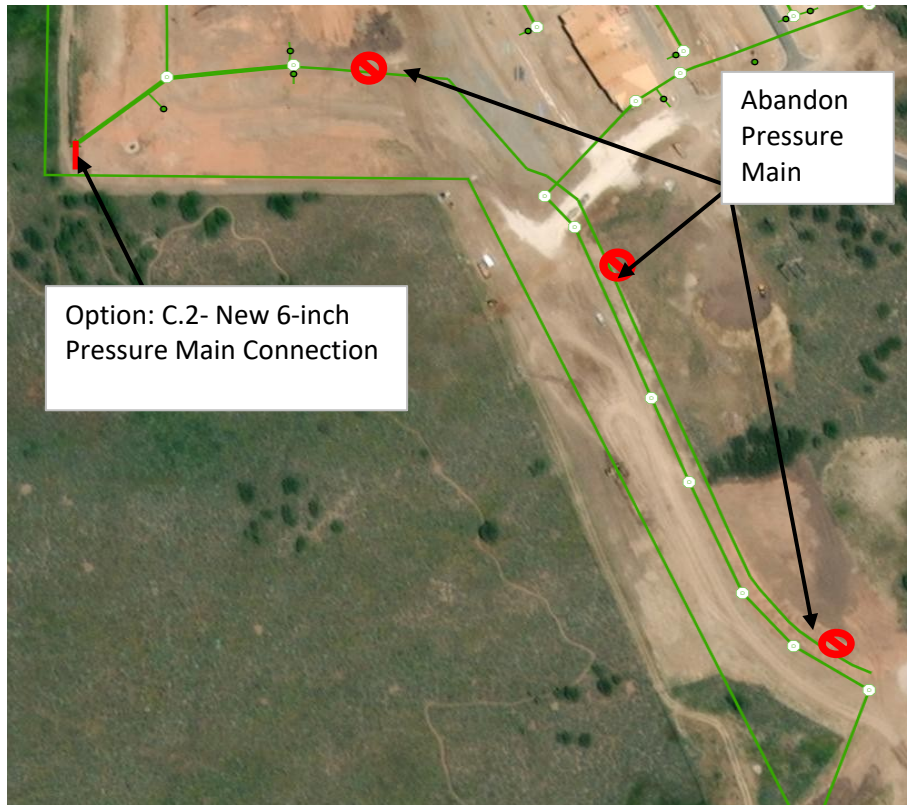
Option: B.4 - Gravity Feed Flows to Vantage Lane Lift Station



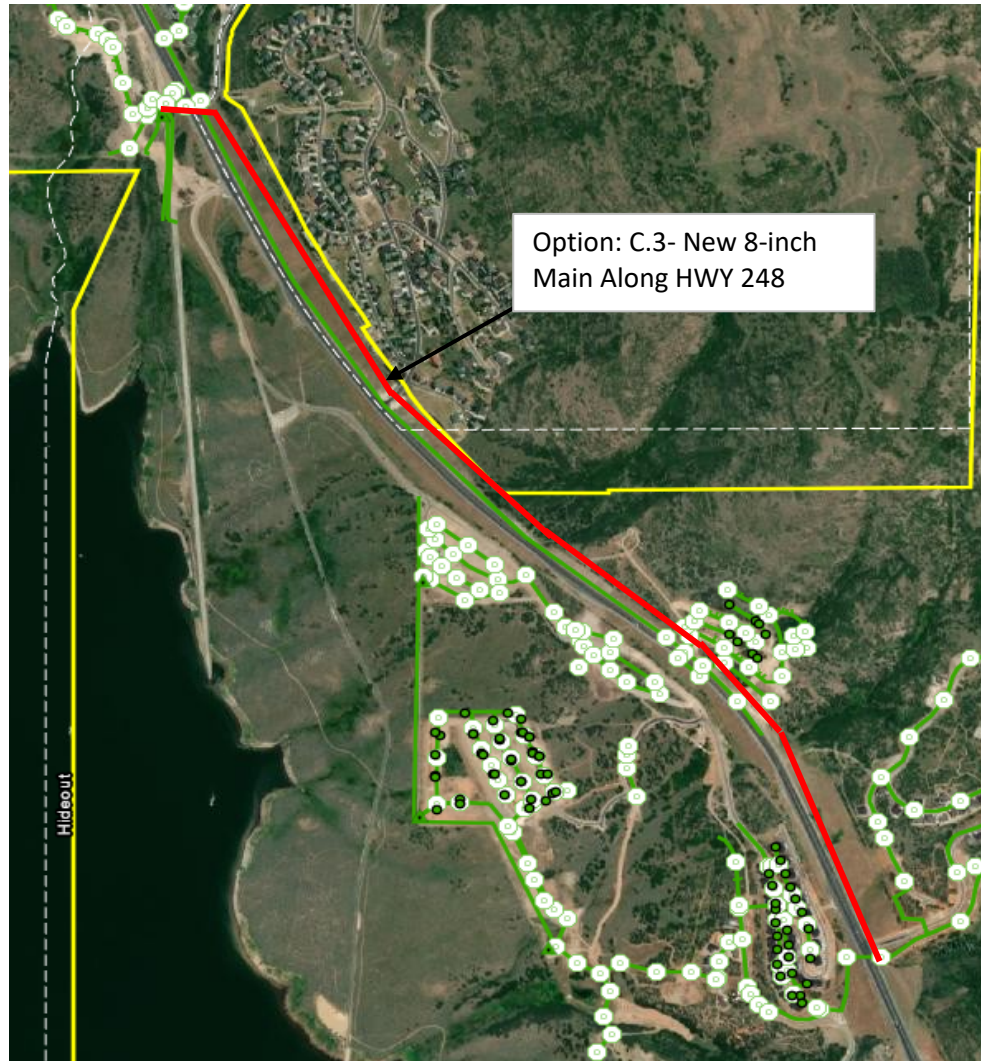
Option: C.1 - New 6-inch Pressure Main to JSSD Lift Station



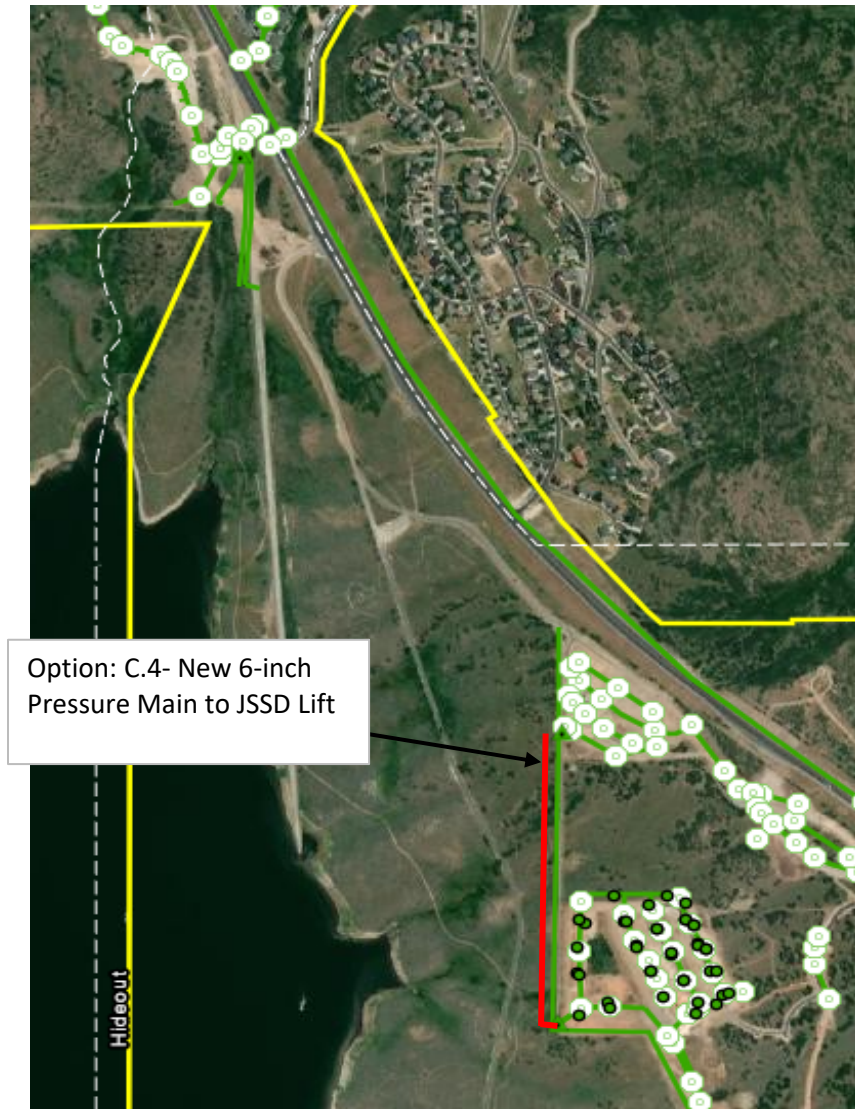
Option: C.2 - New 6-inch Pressure Main Connection



Option: C.3 - New 8-inch main along HWY 248



Option: C.4 - New 6-inch Pressure Main to JSSD Lift Station



D. ESTIMATED PROJECT COSTS



| Option: A.1 - Replace existing lines in Silver Sky | | | | |
|---|-----------------|-------------|------------------|---------------------|
| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 12,567.26 |
| Remove Existing Pipe | 350 | LF | \$ 6.00 | \$ 2,100.00 |
| Remove Manhole | 3 | Each | \$ 1,200.00 | \$ 3,600.00 |
| Remove existing surface materials | | LF | \$ 11.76 | \$ - |
| Install 8" Sanitary Sewer Pipe | 350 | LF | \$ 84.80 | \$ 29,680.00 |
| Install 6" Pressurized Sanitary Sewer Pipe | | LF | \$ 104.00 | \$ - |
| Install 4-Foot Diameter Manhole | 4 | Each | \$ 4,320.00 | \$ 17,280.00 |
| Install 5-Foot Diameter Manhole | | Each | \$ 5,400.00 | \$ - |
| Reconnect Service Laterals | 5 | Each | \$ 2,100.00 | \$ 10,500.00 |
| Connect to Existing System | 2 | Each | \$ 3,920.00 | \$ 7,840.00 |
| Roadway Patching | 312 | SY | \$ 42.00 | \$ 13,104.00 |
| Landscaping and surface Restoration | | SY | \$ 1.80 | \$ - |
| | | | | \$ 96,671.26 |

| Additional Costs | | | |
|-------------------------|-------------------|-------------------|------------------|
| ITEM | PERCENTAGE | Total Cost | |
| Engineering and Survey | 8% | \$ | 7,733.70 |
| Construction management | 3% | \$ | 2,900.14 |
| Material Testing | 2% | \$ | 1,933.43 |
| City management | 1% | \$ | 966.71 |
| Legal | 1% | \$ | 966.71 |
| Contingency | 15% | \$ | 14,500.69 |
| Total | | \$ | 29,001.38 |

| | |
|----------------------------|----------------------|
| Total Project Cost | \$ 125,672.64 |
| Cost per LF of Pipe | \$ 359.06 |

| Option: A.2 - Lay new 8-inch lines in Silver Sky | | | | |
|---|----------|------|-------------|---------------------|
| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 12,826.69 |
| Remove Existing Pipe | | LF | \$ 6.00 | \$ - |
| Remove Manhole | | Each | \$ 1,200.00 | \$ - |
| Remove existing surface materials | 627 | LF | \$ 11.76 | \$ 7,373.52 |
| Install 8" Sanitary Sewer Pipe | 627 | LF | \$ 84.80 | \$ 53,169.60 |
| Install 6" Pressurized Sanitary Sewer Pipe | | LF | \$ 104.00 | \$ - |
| Install 4-Foot Diameter Manhole | 1 | Each | \$ 4,320.00 | \$ 4,320.00 |
| Install 5-Foot Diameter Manhole | | Each | \$ 5,400.00 | \$ - |
| Reconnect Service Laterals | 5 | Each | \$ 2,100.00 | \$ 10,500.00 |
| Connect to Existing System | 2 | Each | \$ 3,920.00 | \$ 7,840.00 |
| Roadway Patching | 18 | SY | \$ 42.00 | \$ 756.00 |
| Landscaping and surface Restoration | 1045 | SY | \$ 1.80 | \$ 1,881.00 |
| | | | | \$ 98,666.81 |

| Additional Costs | | | |
|-------------------------|------------|---------------------|--|
| ITEM | PERCENTAGE | Total Cost | |
| Engineering and Survey | 8% | \$ 7,893.34 | |
| Construction management | 3% | \$ 2,960.00 | |
| Material Testing | 2% | \$ 1,973.34 | |
| City management | 1% | \$ 986.67 | |
| Legal | 1% | \$ 986.67 | |
| Contingency | 15% | \$ 14,800.02 | |
| Total | | \$ 29,600.04 | |

| | |
|----------------------------|----------------------|
| Total Project Cost | \$ 128,266.85 |
| Cost per LF of Pipe | \$ 204.57 |

| Option: A.3 - Lay new 8-inch lines south of Silver Sky | | | | |
|---|----------|------|-------------|---------------------|
| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 8,815.49 |
| Remove Existing Pipe | | LF | \$ 6.00 | \$ - |
| Remove Manhole | | Each | \$ 1,200.00 | \$ - |
| Remove existing surface materials | 750 | LF | \$ 11.76 | \$ 8,820.00 |
| Install 8" Sanitary Sewer Pipe | 750 | LF | \$ 53.00 | \$ 39,750.00 |
| Install 6" Pressurized Sanitary Sewer Pipe | | LF | \$ 104.00 | \$ - |
| Install 4-Foot Diameter Manhole | | Each | \$ 4,320.00 | \$ - |
| Install 5-Foot Diameter Manhole | | Each | \$ 5,400.00 | \$ - |
| Reconnect Service Laterals | | Each | \$ 2,100.00 | \$ - |
| Connect to Existing System | 2 | Each | \$ 3,920.00 | \$ 7,840.00 |
| Roadway Patching | 8 | SY | \$ 42.00 | \$ 336.00 |
| Landscaping and surface Restoration | 1250 | SY | \$ 1.80 | \$ 2,250.00 |
| | | | | \$ 67,811.49 |

| Additional Costs | | | |
|-------------------------|------------|---------------------|--|
| ITEM | PERCENTAGE | Total Cost | |
| Engineering and Survey | 8% | \$ 5,424.92 | |
| Construction management | 3% | \$ 2,034.34 | |
| Material Testing | 2% | \$ 1,356.23 | |
| City management | 1% | \$ 678.11 | |
| Legal | 1% | \$ 678.11 | |
| Contingency | 15% | \$ 10,171.72 | |
| Total | | \$ 20,343.45 | |

| | |
|----------------------------|---------------------|
| Total Project Cost | \$ 88,154.94 |
| Cost per LF of Pipe | \$ 117.54 |

| Option: A.4 - Tie into JSSD Sewer System | | | | |
|---|----------|------|-------------|---------------------|
| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 5,368.88 |
| Remove Existing Pipe | 110 | LF | \$ 6.00 | \$ 660.00 |
| Remove Manhole | 1 | Each | \$ 1,200.00 | \$ 1,200.00 |
| Remove existing surface materials | 110 | LF | \$ 11.76 | \$ 1,293.60 |
| Install 8" Sanitary Sewer Pipe | 110 | LF | \$ 84.80 | \$ 9,328.00 |
| Install 6" Pressurized Sanitary Sewer Pipe | | LF | \$ 104.00 | \$ - |
| Install 4-Foot Diameter Manhole | | Each | \$ 4,320.00 | \$ - |
| Install 5-Foot Diameter Manhole | 2 | Each | \$ 5,400.00 | \$ 10,800.00 |
| Reconnect Service Laterals | | Each | \$ 2,100.00 | \$ - |
| Connect to Existing System | 3 | Each | \$ 3,920.00 | \$ 11,760.00 |
| Roadway Patching | 14 | SY | \$ 42.00 | \$ 588.00 |
| Landscaping and surface Restoration | 167 | SY | \$ 1.80 | \$ 300.60 |
| | | | | \$ 41,299.08 |

| Additional Costs | | | |
|-------------------------|------------|---------------------|--|
| ITEM | PERCENTAGE | Total Cost | |
| Engineering and Survey | 8% | \$ 3,303.93 | |
| Construction management | 3% | \$ 1,238.97 | |
| Material Testing | 2% | \$ 825.98 | |
| City management | 1% | \$ 412.99 | |
| Legal | 1% | \$ 412.99 | |
| Contingency | 15% | \$ 6,194.86 | |
| Total | | \$ 12,389.72 | |

| | |
|----------------------------|---------------------|
| Total Project Cost | \$ 53,688.80 |
| Cost per LF of Pipe | \$ 488.08 |

*Pipe length is estimated, survey shots have not been taken at the time of this estimate.

| Option: B.1 - Replace 4-inch with 6-inch Pressure Main | | | | |
|---|-----------------|-------------|------------------|----------------------|
| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 116,448.11 |
| Remove Existing Pipe | 5000 | LF | \$ 6.00 | \$ 30,000.00 |
| Remove Manhole | | Each | \$ 1,200.00 | \$ - |
| Remove existing surface materials | 5000 | LF | \$ 11.76 | \$ 58,800.00 |
| Install 8" Sanitary Sewer Pipe | | LF | \$ 53.00 | \$ - |
| Install 6" Pressurized Sanitary Sewer Pipe | 5000 | LF | \$ 104.00 | \$ 520,000.00 |
| Install 4-Foot Diameter Manhole | | Each | \$ 4,320.00 | \$ - |
| Install 5-Foot Diameter Manhole | | Each | \$ 5,400.00 | \$ - |
| Reconnect Service Laterals | | Each | \$ 2,100.00 | \$ - |
| Connect to Existing System | 2 | Each | \$ 3,920.00 | \$ 7,840.00 |
| Roadway Patching | 3823 | SY | \$ 42.00 | \$ 160,566.00 |
| Landscaping and surface Restoration | 1167 | SY | \$ 1.80 | \$ 2,100.60 |
| | | | | \$ 895,754.71 |

| Additional Costs | | | |
|-------------------------|-------------------|-------------------|-------------------|
| ITEM | PERCENTAGE | Total Cost | |
| Engineering and Survey | 8% | \$ | 71,660.38 |
| Construction management | 3% | \$ | 26,872.64 |
| Material Testing | 2% | \$ | 17,915.09 |
| City management | 1% | \$ | 8,957.55 |
| Legal | 1% | \$ | 8,957.55 |
| Contingency | 15% | \$ | 134,363.21 |
| Total | | \$ | 268,726.41 |

| | |
|----------------------------|------------------------|
| Total Project Cost | \$ 1,164,481.12 |
| Cost per LF of Pipe | \$ 232.90 |

| Option: B.2 - 6-inch Pressure Main Parallel to 4-inch Main | | | | |
|---|-----------------|-------------|------------------|----------------------|
| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 111,965.35 |
| Remove Existing Pipe | | LF | \$ 6.00 | \$ - |
| Remove Manhole | | Each | \$ 1,200.00 | \$ - |
| Remove existing surface materials | 5000 | LF | \$ 11.76 | \$ 58,800.00 |
| Install 8" Sanitary Sewer Pipe | | LF | \$ 53.00 | \$ - |
| Install 6" Pressurized Sanitary Sewer Pipe | 5000 | LF | \$ 104.00 | \$ 520,000.00 |
| Install 4-Foot Diameter Manhole | | Each | \$ 4,320.00 | \$ - |
| Install 5-Foot Diameter Manhole | | Each | \$ 5,400.00 | \$ - |
| Reconnect Service Laterals | | Each | \$ 2,100.00 | \$ - |
| Connect to Existing System | 2 | Each | \$ 3,920.00 | \$ 7,840.00 |
| Roadway Patching | 3823 | SY | \$ 42.00 | \$ 160,566.00 |
| Landscaping and surface Restoration | 1167 | SY | \$ 1.80 | \$ 2,100.60 |
| | | | | \$ 861,271.95 |

| Additional Costs | | | |
|-------------------------|-------------------|-------------------|-------------------|
| ITEM | PERCENTAGE | Total Cost | |
| Engineering and Survey | 8% | \$ | 68,901.76 |
| Construction management | 3% | \$ | 25,838.16 |
| Material Testing | 2% | \$ | 17,225.44 |
| City management | 1% | \$ | 8,612.72 |
| Legal | 1% | \$ | 8,612.72 |
| Contingency | 15% | \$ | 129,190.79 |
| Total | | \$ | 258,381.59 |

| | |
|----------------------------|------------------------|
| Total Project Cost | \$ 1,119,653.54 |
| Cost per LF of Pipe | \$ 223.93 |

Option: B.3 - Gravity Feed Flows to Lakeview Estates Lift Station

| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
|--|----------|------|-------------|---------------------|
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 10,410.46 |
| Remove Existing Pipe | | LF | \$ 5.00 | \$ - |
| Remove Manhole | | Each | \$ 1,000.00 | \$ - |
| Remove existing surface materials | 900 | LF | \$ 9.80 | \$ 8,820.00 |
| Install 8" Sanitary Sewer Pipe | 900 | LF | \$ 50.00 | \$ 45,000.00 |
| Install 6" Pressurized Sanitary Sewer Pipe | | LF | \$ 80.00 | \$ - |
| Install 4-Foot Diameter Manhole | 2 | Each | \$ 4,000.00 | \$ 8,000.00 |
| Install 5-Foot Diameter Manhole | | Each | \$ 5,000.00 | \$ - |
| Reconnect Service Laterals | | Each | \$ 1,500.00 | \$ - |
| Connect to Existing System | 2 | Each | \$ 2,800.00 | \$ 5,600.00 |
| Roadway Patching | | SY | \$ 35.00 | \$ - |
| Landscaping and surface Restoration | 1500 | SY | \$ 1.50 | \$ 2,250.00 |
| | | | | \$ 80,080.46 |

Additional Costs

| ITEM | PERCENTAGE | Total Cost |
|-------------------------|------------|---------------------|
| Engineering and Survey | 8% | \$ 6,406.44 |
| Construction management | 3% | \$ 2,402.41 |
| Material Testing | 2% | \$ 1,601.61 |
| City management | 1% | \$ 800.80 |
| Legal | 1% | \$ 800.80 |
| Contingency | 15% | \$ 12,012.07 |
| Total | | \$ 24,024.14 |

Total Project Cost

\$ 104,104.60

Cost per LF of Pipe

\$ 115.67

*This option assumes a Lakeview Estates Lift station is already installed at the time of this project.

**At this time, Lakeview Estates Lift Station is not planned to be constructed.

| Option: B.4 - Gravity Feed Flows to Vantage Lane Lift Station | | | | |
|--|-----------------|-------------|------------------|----------------------|
| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 13,623.40 |
| Remove Existing Pipe | | LF | \$ 6.00 | \$ - |
| Remove Manhole | | Each | \$ 1,200.00 | \$ - |
| Remove existing surface materials | 1100 | LF | \$ 11.76 | \$ 12,936.00 |
| Install 8" Sanitary Sewer Pipe | 1100 | LF | \$ 53.00 | \$ 58,300.00 |
| Install 6" Pressurized Sanitary Sewer Pipe | | LF | \$ 104.00 | \$ - |
| Install 4-Foot Diameter Manhole | 2 | Each | \$ 4,320.00 | \$ 8,640.00 |
| Install 5-Foot Diameter Manhole | | Each | \$ 5,400.00 | \$ - |
| Reconnect Service Laterals | | Each | \$ 2,100.00 | \$ - |
| Connect to Existing System | 2 | Each | \$ 3,920.00 | \$ 7,840.00 |
| Roadway Patching | 18 | SY | \$ 42.00 | \$ 756.00 |
| Landscaping and surface Restoration | 1500 | SY | \$ 1.80 | \$ 2,700.00 |
| | | | | \$ 104,795.40 |

| Additional Costs | | | |
|-------------------------|-------------------|-------------------|------------------|
| ITEM | PERCENTAGE | Total Cost | |
| Engineering and Survey | 8% | \$ | 8,383.63 |
| Construction management | 3% | \$ | 3,143.86 |
| Material Testing | 2% | \$ | 2,095.91 |
| City management | 1% | \$ | 1,047.95 |
| Legal | 1% | \$ | 1,047.95 |
| Contingency | 15% | \$ | 15,719.31 |
| Total | | \$ | 31,438.62 |

| | |
|----------------------------|----------------------|
| Total Project Cost | \$ 136,234.02 |
| Cost per LF of Pipe | \$ 123.85 |

*Project is planned to be completed with the construction of Lakeview Estates.

| Option: C.1 - New 6-inch Pressure Main to JSSD Lift Station | | | | |
|--|-----------------|-------------|------------------|------------------------|
| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 132,252.44 |
| Remove Existing Pipe | | LF | \$ 6.00 | \$ - |
| Remove Manhole | | Each | \$ 1,200.00 | \$ - |
| Remove existing surface materials | 7100 | LF | \$ 11.76 | \$ 83,496.00 |
| Install 8" Sanitary Sewer Pipe | | LF | \$ 53.00 | \$ - |
| Install 6" Pressurized Sanitary Sewer Pipe | 7100 | LF | \$ 104.00 | \$ 738,400.00 |
| Install 4-Foot Diameter Manhole | | Each | \$ 4,320.00 | \$ - |
| Install 5-Foot Diameter Manhole | | Each | \$ 5,400.00 | \$ - |
| Reconnect Service Laterals | | Each | \$ 2,100.00 | \$ - |
| Connect to Existing System | 2 | Each | \$ 3,920.00 | \$ 7,840.00 |
| Roadway Patching | 889 | SY | \$ 42.00 | \$ 37,338.00 |
| Landscaping and surface Restoration | 10000 | SY | \$ 1.80 | \$ 18,000.00 |
| | | | | \$ 1,017,326.44 |

| Additional Costs | | | |
|-------------------------|-------------------|-------------------|-------------------|
| ITEM | PERCENTAGE | Total Cost | |
| Engineering and Survey | 8% | \$ | 81,386.12 |
| Construction management | 3% | \$ | 30,519.79 |
| Material Testing | 2% | \$ | 20,346.53 |
| City management | 1% | \$ | 10,173.26 |
| Legal | 1% | \$ | 10,173.26 |
| Contingency | 15% | \$ | 152,598.97 |
| Total | | \$ | 305,197.93 |

| | |
|----------------------------|------------------------|
| Total Project Cost | \$ 1,322,524.37 |
| Cost per LF of Pipe | \$ 186.27 |

| Option: C.2 - New 6-inch Pressure Main Connection | | | | |
|--|----------|------|-------------|---------------------|
| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 2,946.16 |
| Remove Existing Pipe | | LF | \$ 6.00 | \$ - |
| Remove Manhole | | Each | \$ 1,200.00 | \$ - |
| Remove existing surface materials | 100 | LF | \$ 11.76 | \$ 1,176.00 |
| Install 8" Sanitary Sewer Pipe | | LF | \$ 53.00 | \$ - |
| Install 6" Pressurized Sanitary Sewer Pipe | 100 | LF | \$ 104.00 | \$ 10,400.00 |
| Install 4-Foot Diameter Manhole | | Each | \$ 4,320.00 | \$ - |
| Install 5-Foot Diameter Manhole | | Each | \$ 5,400.00 | \$ - |
| Reconnect Service Laterals | | Each | \$ 2,100.00 | \$ - |
| Connect to Existing System | 2 | Each | \$ 3,920.00 | \$ 7,840.00 |
| Roadway Patching | | SY | \$ 42.00 | \$ - |
| Landscaping and surface Restoration | 167 | SY | \$ 1.80 | \$ 300.60 |
| | | | | \$ 22,662.76 |

| Additional Costs | | | |
|-------------------------|------------|--------------------|--|
| ITEM | PERCENTAGE | Total Cost | |
| Engineering and Survey | 8% | \$ 1,813.02 | |
| Construction management | 3% | \$ 679.88 | |
| Material Testing | 2% | \$ 453.26 | |
| City management | 1% | \$ 226.63 | |
| Legal | 1% | \$ 226.63 | |
| Contingency | 15% | \$ 3,399.41 | |
| Total | | \$ 6,798.83 | |

| | |
|----------------------------|---------------------|
| Total Project Cost | \$ 29,461.59 |
| Cost per LF of Pipe | \$ 294.62 |

*Project is planned to be completed with the construction of Lakeview Estates.

Option: C.3 - New 8-inch main along HWY 248

| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
|--|----------|------|-------------|----------------------|
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 105,381.49 |
| Remove Existing Pipe | | LF | \$ 6.00 | \$ - |
| Remove Manhole | | Each | \$ 1,200.00 | \$ - |
| Remove existing surface materials | 8636 | LF | \$ 11.76 | \$ 101,559.36 |
| Install 8" Sanitary Sewer Pipe | 8636 | LF | \$ 53.00 | \$ 457,708.00 |
| Install 6" Pressurized Sanitary Sewer Pipe | | LF | \$ 104.00 | \$ - |
| Install 4-Foot Diameter Manhole | 22 | Each | \$ 4,320.00 | \$ 95,040.00 |
| Install 5-Foot Diameter Manhole | | Each | \$ 5,400.00 | \$ - |
| Reconnect Service Laterals | | Each | \$ 2,100.00 | \$ - |
| Connect to Existing System | 2 | Each | \$ 3,920.00 | \$ 7,840.00 |
| Roadway Patching | 445 | SY | \$ 42.00 | \$ 18,690.00 |
| Landscaping and surface Restoration | 13560 | SY | \$ 1.80 | \$ 24,408.00 |
| | | | | \$ 810,626.85 |

Additional Costs

| ITEM | PERCENTAGE | Total Cost |
|-------------------------|------------|----------------------|
| Engineering and Survey | 8% | \$ 64,850.15 |
| Construction management | 3% | \$ 24,318.81 |
| Material Testing | 2% | \$ 16,212.54 |
| City management | 1% | \$ 8,106.27 |
| Legal | 1% | \$ 8,106.27 |
| Contingency | 15% | \$ 121,594.03 |
| Total | | \$ 243,188.06 |

Total Project Cost**\$ 1,053,814.91****Cost per LF of Pipe****\$ 122.03**

*Assumes trench installation across HWY 248, not jack and bore.

*Only accounts for new 8-inch main along HWY 248. See C.1 or C.2 for redirecting Vantage Lane flows.

*Need to add on cost from C.1 or C.2. for Total Project Cost.

| Option: C.4 - New 6-inch Pressure Main to JSSD Lift Station | | | | |
|--|-----------------|-------------|------------------|----------------------|
| ITEM | Quantity | UNIT | UNIT COST | Total Cost |
| Mobilization and Demobilization | 1 | Lump | 10% | \$ 46,743.88 |
| Traffic Control | 8 | Days | \$ 240.00 | \$ 1,920.00 |
| Remove Existing Pipe | | LF | \$ 6.00 | \$ - |
| Remove Manhole | | Each | \$ 1,200.00 | \$ - |
| Remove existing surface materials | 2140 | LF | \$ 11.76 | \$ 25,166.40 |
| Install 8" Sanitary Sewer Pipe | | LF | \$ 53.00 | \$ - |
| Install 6" Pressurized Sanitary Sewer Pipe | 2140 | LF | \$ 104.00 | \$ 222,560.00 |
| Install 4-Foot Diameter Manhole | | Each | \$ 4,320.00 | \$ - |
| Install 5-Foot Diameter Manhole | | Each | \$ 5,400.00 | \$ - |
| Reconnect Service Laterals | | Each | \$ 2,100.00 | \$ - |
| Connect to Existing System | 2 | Each | \$ 3,920.00 | \$ 7,840.00 |
| Roadway Patching | 889 | SY | \$ 42.00 | \$ 37,338.00 |
| Landscaping and surface Restoration | 10000 | SY | \$ 1.80 | \$ 18,000.00 |
| | | | | \$ 359,568.28 |

| Additional Costs | | | |
|-------------------------|-------------------|-------------------|-------------------|
| ITEM | PERCENTAGE | Total Cost | |
| Engineering and Survey | 8% | \$ | 28,765.46 |
| Construction management | 3% | \$ | 10,787.05 |
| Material Testing | 2% | \$ | 7,191.37 |
| City management | 1% | \$ | 3,595.68 |
| Legal | 1% | \$ | 3,595.68 |
| Contingency | 15% | \$ | 53,935.24 |
| Total | | \$ | 107,870.48 |

| | |
|----------------------------|----------------------|
| Total Project Cost | \$ 467,438.76 |
| Cost per LF of Pipe | \$ 218.43 |

E. SEWERGEMS REPORT

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| ID | Label | Length (Scaled) (ft) | Slope (Calculated) (ft/ft) | Diameter (in) | Is Active? | Flow (gal/min) |
|-----|-------|----------------------------|----------------------------------|------------------|------------|-------------------|
| 304 | CO-4 | 64.9 | 0.005 | 8.00 | True | 5.62 |
| 305 | CO-5 | 339.0 | 0.078 | 8.00 | True | 6.19 |
| 306 | CO-6 | 114.1 | 0.004 | 8.00 | True | 8.08 |
| 307 | CO-7 | 115.6 | 0.004 | 8.00 | True | 7.69 |
| 308 | CO-8 | 65.8 | 0.004 | 8.00 | True | 7.30 |
| 309 | CO-9 | 28.6 | 0.043 | 8.00 | True | 11.52 |
| 310 | CO-10 | 85.5 | 0.172 | 8.00 | True | 11.52 |
| 311 | CO-11 | 53.7 | 0.063 | 8.00 | True | 11.52 |
| 312 | CO-12 | 79.7 | 0.078 | 8.00 | True | 12.48 |
| 313 | CO-13 | 47.5 | 0.039 | 8.00 | True | 12.96 |
| 314 | CO-14 | 87.6 | 0.020 | 8.00 | True | 12.96 |
| 315 | CO-15 | 200.4 | 0.045 | 8.00 | True | 13.92 |
| 316 | CO-16 | 308.5 | 0.005 | 8.00 | True | 21.12 |
| 317 | CO-17 | 342.2 | 0.037 | 8.00 | True | 21.60 |
| 318 | CO-18 | 335.7 | 0.023 | 8.00 | True | 21.60 |
| 319 | CO-19 | 207.5 | 0.020 | 8.00 | True | 21.60 |
| 320 | CO-20 | 243.1 | 0.031 | 8.00 | True | 21.60 |
| 321 | CO-21 | 395.8 | 0.088 | 8.00 | True | 21.60 |
| 322 | CO-22 | 61.6 | 0.004 | 8.00 | True | 0.48 |
| 323 | CO-23 | 213.8 | 0.004 | 8.00 | True | 1.44 |
| 324 | CO-24 | 364.6 | 0.102 | 8.00 | True | 3.93 |
| 325 | CO-25 | 36.7 | 0.074 | 8.00 | True | 6.96 |
| 326 | CO-26 | 48.3 | 0.060 | 8.00 | True | 7.30 |
| 327 | CO-27 | 41.7 | 0.062 | 8.00 | True | 7.03 |
| 328 | CO-28 | 274.3 | 0.004 | 8.00 | True | 0.48 |
| 329 | CO-29 | 127.1 | 0.004 | 8.00 | True | 2.40 |
| 330 | CO-30 | 92.4 | 0.004 | 8.00 | True | 3.36 |
| 331 | CO-31 | 94.0 | 0.066 | 8.00 | True | 4.32 |
| 332 | CO-32 | 118.9 | 0.087 | 8.00 | True | 5.04 |
| 333 | CO-33 | 35.1 | 0.080 | 8.00 | True | 5.28 |
| 334 | CO-34 | 57.5 | 0.116 | 8.00 | True | 5.28 |
| 335 | CO-35 | 47.8 | 0.006 | 8.00 | True | 5.41 |
| 337 | CO-37 | 21.6 | 0.048 | 8.00 | True | 0.00 |
| 338 | CO-38 | 406.6 | 0.046 | 8.00 | True | 0.24 |
| 339 | CO-39 | 301.6 | 0.095 | 8.00 | True | 0.72 |
| 340 | CO-40 | 116.0 | 0.036 | 8.00 | True | 1.68 |
| 341 | CO-41 | 299.4 | 0.003 | 8.00 | True | 1.92 |
| 342 | CO-42 | 364.5 | 0.090 | 8.00 | True | 2.16 |
| 343 | CO-43 | 364.3 | 0.030 | 8.00 | True | 2.16 |
| 345 | CO-45 | 108.6 | 0.098 | 8.00 | True | 0.00 |
| 346 | CO-46 | 390.4 | 0.056 | 8.00 | True | 0.00 |
| 347 | CO-47 | 273.8 | 0.009 | 8.00 | True | 0.00 |
| 348 | CO-48 | 377.3 | 0.052 | 8.00 | True | 0.00 |
| 349 | CO-49 | 374.8 | 0.117 | 8.00 | True | 0.00 |
| 350 | CO-50 | 88.7 | 0.068 | 8.00 | True | 0.48 |
| 351 | CO-51 | 175.8 | 0.011 | 8.00 | True | 0.48 |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| ID | Label | Length (Scaled) (ft) | Slope (Calculated) (ft/ft) | Diameter (in) | Is Active? | Flow (gal/min) |
|-----|----------|----------------------------|----------------------------------|------------------|------------|-------------------|
| 354 | CO-54 | 148.3 | 0.101 | 8.00 | True | 0.00 |
| 355 | CO-55 | 160.6 | 0.066 | 8.00 | True | 0.24 |
| 356 | CO-56 | 205.4 | 0.129 | 8.00 | True | 3.12 |
| 357 | CO-57 | 245.7 | 0.042 | 8.00 | True | 3.12 |
| 358 | CO-58 | 465.7 | 0.079 | 8.00 | True | 3.12 |
| 359 | CO-59 | 383.1 | 0.062 | 8.00 | True | 3.12 |
| 360 | CO-60 | 24.0 | 0.056 | 8.00 | True | 0.00 |
| 361 | CO-61 | 463.0 | 0.115 | 8.00 | True | 3.12 |
| 362 | CO-62 | 235.4 | 0.054 | 8.00 | True | 3.12 |
| 363 | CO-63 | 229.1 | 0.009 | 8.00 | True | 3.12 |
| 364 | CO-64 | 109.7 | 0.020 | 8.00 | True | 3.12 |
| 365 | CO-65 | 394.5 | 0.017 | 8.00 | True | 3.12 |
| 366 | CO-66 | 398.1 | 0.065 | 8.00 | True | 3.12 |
| 367 | CO-67 | 389.9 | 0.068 | 8.00 | True | 3.12 |
| 368 | CO-68 | 360.4 | 0.049 | 8.00 | True | 3.12 |
| 369 | CO-69 | 279.1 | 0.012 | 8.00 | True | 32.64 |
| 370 | CO-70 | 183.5 | 0.139 | 8.00 | True | 32.64 |
| 371 | CO-71 | 145.9 | 0.192 | 10.00 | True | 32.64 |
| 372 | CO-72 | 217.1 | 0.003 | 10.00 | True | 32.64 |
| 373 | CO-73 | 153.9 | 0.039 | 10.00 | True | 32.64 |
| 374 | CO-74 | 181.3 | 0.009 | 10.00 | True | 41.04 |
| 375 | CO-75 | 203.7 | 0.028 | 10.00 | True | 41.04 |
| 376 | CO-76 | 429.6 | 0.057 | 8.00 | True | 23.04 |
| 377 | CO-77 | 337.8 | 0.095 | 8.00 | True | 23.52 |
| 378 | CO-78 | 137.7 | 0.083 | 8.00 | True | 23.52 |
| 379 | CO-79 | 159.0 | 0.043 | 8.00 | True | 23.52 |
| 380 | CO-80 | 95.8 | 0.016 | 8.00 | True | 23.52 |
| 381 | CO-81 | 278.3 | 0.012 | 8.00 | True | 23.52 |
| 382 | CO-82 | 267.3 | 0.007 | 8.00 | True | 23.52 |
| 383 | CO-83 | 215.6 | 0.005 | 8.00 | True | 23.52 |
| 384 | CO-84 | 77.7 | 0.013 | 8.00 | True | 24.00 |
| 385 | CO-85 | 42.2 | 0.006 | 8.00 | True | 24.00 |
| 386 | CO-86 | 191.3 | 0.034 | 8.00 | True | 24.00 |
| 391 | CO-88 | 23.1 | 0.009 | 8.00 | True | 0.00 |
| 394 | CO-91 | 35.4 | 0.028 | 8.00 | True | 24.00 |
| 414 | CO-92(1) | 388.7 | 0.015 | 8.00 | True | 26.64 |
| 415 | CO-92(2) | 195.3 | 0.048 | 8.00 | True | 29.04 |
| 396 | CO-93 | 54.6 | 0.192 | 8.00 | True | 29.28 |
| 397 | CO-94 | 233.5 | 0.198 | 8.00 | True | 29.28 |
| 398 | CO-95 | 63.1 | 0.034 | 8.00 | True | 29.28 |
| 399 | CO-96 | 102.3 | 0.050 | 8.00 | True | 29.28 |
| 400 | CO-97 | 296.5 | 0.067 | 8.00 | True | 29.28 |
| 401 | CO-98 | 332.4 | 0.149 | 8.00 | True | 29.28 |
| 402 | CO-99 | 258.5 | 0.136 | 8.00 | True | 29.28 |
| 403 | CO-100 | 206.3 | 0.058 | 8.00 | True | 29.28 |
| 406 | CO-103 | 44.6 | 0.196 | 8.00 | True | 0.24 |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| ID | Label | Length (Scaled) (ft) | Slope (Calculated) (ft/ft) | Diameter (in) | Is Active? | Flow (gal/min) |
|-----|--------|----------------------------|----------------------------------|------------------|------------|-------------------|
| 407 | CO-104 | 170.3 | 0.056 | 8.00 | True | 0.00 |
| 408 | CO-105 | 282.4 | 0.011 | 8.00 | True | 0.24 |
| 409 | CO-106 | 44.1 | 0.023 | 8.00 | True | 0.48 |
| 410 | CO-107 | 45.3 | 0.020 | 8.00 | True | 0.72 |
| 411 | CO-108 | 244.9 | 0.075 | 8.00 | True | 0.96 |
| 412 | CO-109 | 179.9 | 0.070 | 8.00 | True | 2.40 |
| 416 | CO-110 | 36.9 | 0.059 | 8.00 | True | 2.40 |
| 417 | CO-111 | 207.4 | 0.069 | 8.00 | True | 0.00 |
| 418 | CO-112 | 186.7 | 0.152 | 8.00 | True | 0.00 |
| 419 | CO-113 | 138.9 | 0.171 | 8.00 | True | 0.00 |
| 420 | CO-114 | 375.9 | 0.081 | 8.00 | True | 0.48 |
| 421 | CO-115 | 358.2 | 0.071 | 8.00 | True | 1.68 |
| 422 | CO-116 | 97.9 | 0.130 | 8.00 | True | 2.64 |
| 423 | CO-117 | 290.3 | 0.083 | 8.00 | True | 0.00 |
| 424 | CO-118 | 181.2 | 0.108 | 8.00 | True | 0.24 |
| 425 | CO-119 | 163.0 | 0.192 | 8.00 | True | 0.72 |
| 427 | CO-120 | 92.7 | 0.012 | 8.00 | True | 5.76 |
| 428 | CO-121 | 101.8 | 0.012 | 8.00 | True | 6.00 |
| 429 | CO-122 | 62.9 | 0.014 | 8.00 | True | 6.48 |
| 430 | CO-123 | 373.9 | 0.057 | 8.00 | True | 6.96 |
| 431 | CO-124 | 100.5 | 0.052 | 8.00 | True | 7.20 |
| 432 | CO-125 | 168.9 | 0.065 | 8.00 | True | 7.68 |
| 433 | CO-126 | 128.9 | 0.065 | 8.00 | True | 7.68 |
| 434 | CO-127 | 18.7 | 0.060 | 8.00 | True | 7.68 |
| 435 | CO-128 | 186.0 | 0.212 | 8.00 | True | 7.68 |
| 436 | CO-129 | 248.3 | 0.199 | 8.00 | True | 8.40 |
| 437 | CO-130 | 273.6 | 0.172 | 8.00 | True | 8.40 |
| 438 | CO-131 | 166.4 | 0.142 | 8.00 | True | 8.40 |
| 439 | CO-132 | 201.4 | 0.082 | 8.00 | True | 0.96 |
| 440 | CO-133 | 21.9 | 0.007 | 8.00 | True | 1.44 |
| 441 | CO-134 | 412.7 | 0.076 | 8.00 | True | 5.76 |
| 442 | CO-135 | 583.5 | 0.102 | 8.00 | True | 4.32 |
| 443 | CO-136 | 78.8 | 0.048 | 8.00 | True | 0.48 |
| 444 | CO-137 | 374.6 | 0.018 | 8.00 | True | 0.48 |
| 445 | CO-138 | 112.3 | 0.042 | 8.00 | True | 4.56 |
| 446 | CO-139 | 272.0 | 0.198 | 8.00 | True | 10.32 |
| 447 | CO-140 | 252.5 | 0.006 | 8.00 | True | 0.00 |
| 448 | CO-141 | 107.4 | 0.020 | 8.00 | True | 0.96 |
| 449 | CO-142 | 304.6 | 0.075 | 8.00 | True | 1.53 |
| 450 | CO-143 | 36.9 | 0.155 | 8.00 | True | 2.37 |
| 451 | CO-144 | 206.7 | 0.004 | 8.00 | True | 0.48 |
| 452 | CO-145 | 146.4 | 0.072 | 8.00 | True | 1.44 |
| 453 | CO-146 | 109.6 | 0.046 | 8.00 | True | 1.92 |
| 454 | CO-147 | 253.4 | 0.065 | 8.00 | True | 2.47 |
| 455 | CO-148 | 51.9 | 0.505 | 8.00 | True | 4.46 |
| 456 | CO-149 | 21.5 | 0.033 | 8.00 | True | 4.56 |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| ID | Label | Length (Scaled) (ft) | Slope (Calculated) (ft/ft) | Diameter (in) | Is Active? | Flow (gal/min) |
|-----|-----------|----------------------------|----------------------------------|------------------|------------|-------------------|
| 457 | CO-150 | 170.5 | 0.004 | 8.00 | True | 4.52 |
| 458 | CO-151 | 139.6 | 0.004 | 8.00 | True | 5.00 |
| 460 | CO-153 | 24.9 | 0.040 | 8.00 | True | 1.12 |
| 461 | CO-154 | 272.7 | 0.066 | 8.00 | True | 0.00 |
| 462 | CO-155 | 71.3 | 0.070 | 8.00 | True | 0.00 |
| 463 | CO-156 | 187.5 | 0.052 | 8.00 | True | 0.00 |
| 464 | CO-157 | 59.8 | 0.004 | 8.00 | True | 0.00 |
| 465 | CO-158 | 274.5 | 0.006 | 8.00 | True | 0.00 |
| 466 | CO-159 | 134.5 | 0.003 | 8.00 | True | 0.00 |
| 467 | CO-160 | 178.9 | 0.041 | 8.00 | True | 0.00 |
| 468 | CO-161 | 104.7 | 0.020 | 8.00 | True | 0.00 |
| 469 | CO-162 | 120.2 | 0.010 | 8.00 | True | 0.00 |
| 471 | CO-163 | 243.0 | 0.005 | 12.00 | True | 0.00 |
| 474 | CO-164 | 154.9 | 0.004 | 8.00 | True | 0.00 |
| 475 | CO-165 | 158.0 | 0.004 | 8.00 | True | 0.00 |
| 476 | CO-166 | 186.7 | 0.004 | 8.00 | True | 0.00 |
| 477 | CO-167 | 178.1 | 0.004 | 8.00 | True | 0.00 |
| 478 | CO-168 | 41.3 | 0.061 | 8.00 | True | 0.00 |
| 479 | CO-169 | 126.3 | 0.103 | 8.00 | True | 0.00 |
| 480 | CO-170 | 158.1 | 0.096 | 8.00 | True | 3.36 |
| 481 | CO-171 | 199.5 | 0.062 | 8.00 | True | 3.36 |
| 482 | CO-172 | 63.7 | 0.078 | 8.00 | True | 3.36 |
| 483 | CO-173 | 322.6 | 0.073 | 8.00 | True | 3.36 |
| 484 | CO-174 | 372.2 | 0.004 | 8.00 | True | 3.36 |
| 485 | CO-175 | 161.6 | 0.005 | 8.00 | True | 0.48 |
| 486 | CO-176 | 202.0 | 0.010 | 8.00 | True | 1.44 |
| 487 | CO-177 | 149.0 | 0.004 | 8.00 | True | 2.44 |
| 488 | CO-178 | 145.4 | 0.004 | 8.00 | True | 3.36 |
| 489 | CO-179 | 103.1 | 0.004 | 8.00 | True | 3.36 |
| 490 | CO-180 | 125.4 | 0.004 | 8.00 | True | 0.00 |
| 491 | CO-181 | 135.0 | 0.004 | 8.00 | True | 0.00 |
| 492 | CO-182 | 149.1 | 0.004 | 8.00 | True | 0.00 |
| 493 | CO-183 | 175.0 | 0.004 | 8.00 | True | 0.00 |
| 494 | CO-184 | 130.8 | 0.004 | 8.00 | True | 0.00 |
| 495 | CO-185 | 169.5 | 0.111 | 8.00 | True | 0.00 |
| 499 | CO-186 | 73.1 | 0.029 | 8.00 | True | 3.36 |
| 528 | CO-191 | 148.8 | 0.198 | 8.00 | True | 1.20 |
| 627 | CO-192(1) | 92.2 | 0.107 | 8.00 | True | 1.20 |
| 628 | CO-192(2) | 454.9 | 0.065 | 8.00 | True | 1.20 |
| 548 | CO-193(1) | 238.0 | 0.023 | 8.00 | True | 1.20 |
| 549 | CO-193(2) | 430.0 | 0.029 | 8.00 | True | 4.32 |
| 531 | CO-194 | 381.5 | 0.108 | 8.00 | True | 0.00 |
| 532 | CO-195 | 400.8 | 0.105 | 8.00 | True | 0.00 |
| 533 | CO-196 | 214.5 | 0.070 | 8.00 | True | 0.24 |
| 534 | CO-197 | 822.4 | 0.114 | 8.00 | True | 0.24 |
| 535 | CO-198 | 207.3 | 0.022 | 8.00 | True | 0.00 |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| ID | Label | Length (Scaled) (ft) | Slope (Calculated) (ft/ft) | Diameter (in) | Is Active? | Flow (gal/min) |
|------|-----------|----------------------------|----------------------------------|------------------|------------|-------------------|
| 536 | CO-199 | 140.7 | 0.018 | 8.00 | True | 0.00 |
| 537 | CO-200 | 811.7 | 0.073 | 8.00 | True | 0.00 |
| 538 | CO-201 | 399.7 | 0.075 | 8.00 | True | 0.24 |
| 539 | CO-202 | 405.4 | 0.090 | 8.00 | True | 0.24 |
| 540 | CO-203 | 408.5 | 0.098 | 8.00 | True | 0.00 |
| 541 | CO-204 | 312.6 | 0.037 | 8.00 | True | 0.00 |
| 542 | CO-205 | 351.8 | 0.045 | 8.00 | True | 0.96 |
| 543 | CO-206 | 379.0 | 0.057 | 8.00 | True | 2.26 |
| 544 | CO-207 | 373.5 | 0.093 | 8.00 | True | 2.98 |
| 545 | CO-208 | 146.7 | 0.096 | 8.00 | True | 3.22 |
| 546 | CO-209 | 368.4 | 0.021 | 8.00 | True | 3.22 |
| 550 | CO-210 | 646.6 | 0.120 | 8.00 | True | 3.22 |
| 553 | CO-211 | 80.9 | 0.055 | 8.00 | False | (N/A) |
| 554 | CO-212 | 108.5 | 0.102 | 8.00 | False | (N/A) |
| 555 | CO-213 | 232.6 | 0.049 | 8.00 | False | (N/A) |
| 556 | CO-214 | 342.6 | 0.052 | 12.00 | True | 0.00 |
| 557 | CO-215 | 212.1 | 0.036 | 12.00 | True | 0.00 |
| 558 | CO-216 | 167.6 | 0.022 | 12.00 | True | 0.00 |
| 563 | CO-218 | 454.3 | 0.034 | 8.00 | True | 0.00 |
| 564 | CO-219 | 140.3 | 0.067 | 8.00 | True | 0.00 |
| 566 | CO-221 | 259.6 | 0.011 | 8.00 | False | (N/A) |
| 567 | CO-222 | 99.9 | 0.100 | 8.00 | False | (N/A) |
| 568 | CO-223 | 318.2 | 0.117 | 8.00 | False | (N/A) |
| 569 | CO-224 | 188.3 | 0.044 | 8.00 | False | (N/A) |
| 570 | CO-225 | 289.1 | 0.129 | 8.00 | True | 0.00 |
| 571 | CO-226 | 236.6 | 0.045 | 8.00 | True | 0.00 |
| 572 | CO-227 | 281.6 | 0.031 | 8.00 | True | 0.00 |
| 573 | CO-228 | 167.4 | 0.141 | 8.00 | True | 0.00 |
| 574 | CO-229 | 101.1 | 0.170 | 8.00 | False | (N/A) |
| 575 | CO-230 | 102.4 | 0.154 | 8.00 | False | (N/A) |
| 576 | CO-231 | 134.4 | 0.064 | 8.00 | False | (N/A) |
| 577 | CO-232 | 360.6 | 0.046 | 8.00 | False | (N/A) |
| 578 | CO-233 | 105.1 | 0.010 | 8.00 | True | 0.00 |
| 579 | CO-234 | 137.1 | 0.007 | 8.00 | True | 0.00 |
| 580 | CO-235 | 237.9 | 0.053 | 8.00 | True | 0.00 |
| 581 | CO-236 | 93.6 | 0.157 | 8.00 | True | 0.00 |
| 582 | CO-237 | 94.8 | 0.163 | 8.00 | True | 0.00 |
| 583 | CO-238 | 73.5 | 0.052 | 8.00 | True | 0.00 |
| 1495 | CO-239(1) | 20.9 | 0.016 | 8.00 | True | 0.00 |
| 1496 | CO-239(2) | 93.6 | 0.021 | 12.00 | True | 49.44 |
| 587 | CO-240 | 146.3 | 0.009 | 12.00 | True | 49.44 |
| 588 | CO-241 | 34.7 | 0.100 | 12.00 | True | 49.44 |
| 589 | CO-242 | 100.2 | 0.153 | 12.00 | True | 49.44 |
| 590 | CO-243 | 98.3 | 0.010 | 8.00 | True | 0.00 |
| 591 | CO-244 | 88.8 | 0.006 | 8.00 | True | 0.00 |
| 592 | CO-245 | 117.5 | 0.011 | 8.00 | True | 0.00 |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| ID | Label | Length (Scaled) (ft) | Slope (Calculated) (ft/ft) | Diameter (in) | Is Active? | Flow (gal/min) |
|------|-----------|----------------------------|----------------------------------|------------------|------------|-------------------|
| 593 | CO-246 | 259.7 | 0.014 | 8.00 | True | 0.00 |
| 594 | CO-247 | 290.3 | 0.010 | 8.00 | True | 0.00 |
| 595 | CO-248 | 67.2 | 0.014 | 8.00 | True | 0.00 |
| 596 | CO-249 | 81.8 | 0.013 | 8.00 | True | 0.00 |
| 597 | CO-250 | 235.3 | 0.014 | 8.00 | True | 0.00 |
| 598 | CO-251 | 89.9 | 0.015 | 8.00 | True | 0.00 |
| 600 | CO-253 | 270.3 | 0.013 | 8.00 | True | 0.00 |
| 601 | CO-254 | 70.6 | 0.075 | 8.00 | True | 0.00 |
| 602 | CO-255 | 82.3 | 0.064 | 8.00 | True | 0.00 |
| 607 | CO-257 | 283.5 | 0.010 | 12.00 | True | 164.22 |
| 1461 | CO-258(2) | 216.2 | 0.005 | 12.00 | True | 168.84 |
| 610 | CO-259 | 107.6 | 0.127 | 8.00 | True | 5.76 |
| 611 | CO-260 | 217.9 | 0.043 | 8.00 | True | 13.92 |
| 612 | CO-261 | 235.3 | 0.067 | 8.00 | True | 21.60 |
| 613 | CO-262 | 120.0 | 0.092 | 8.00 | True | 29.28 |
| 614 | CO-263 | 99.1 | 0.059 | 8.00 | True | 0.00 |
| 615 | CO-264 | 91.7 | 0.063 | 8.00 | True | 2.40 |
| 616 | CO-265 | 214.5 | 0.016 | 8.00 | True | 2.42 |
| 617 | CO-266 | 98.2 | 0.002 | 12.00 | True | 5.76 |
| 618 | CO-267 | 115.5 | 0.098 | 12.00 | True | 11.52 |
| 619 | CO-268 | 157.6 | 0.006 | 12.00 | True | 20.16 |
| 620 | CO-269 | 178.9 | 0.005 | 12.00 | True | 2.88 |
| 630 | CO-271 | 266.7 | 0.087 | 8.00 | True | 29.52 |
| 631 | CO-272 | 322.9 | 0.046 | 8.00 | True | 2.16 |
| 1153 | CO-274 | 122.8 | 0.009 | 8.00 | True | 0.48 |
| 1155 | CO-275 | 125.4 | 0.036 | 8.00 | True | 0.48 |
| 1202 | CO-281 | 224.9 | 0.086 | 8.00 | True | 0.00 |
| 1203 | CO-282 | 373.7 | 0.073 | 8.00 | True | 0.00 |
| 1204 | CO-283 | 180.3 | 0.050 | 8.00 | True | 0.00 |
| 1205 | CO-284 | 96.7 | 0.005 | 8.00 | True | 0.48 |
| 1209 | CO-285 | 242.2 | 0.049 | 8.00 | True | 0.00 |
| 1210 | CO-286 | 250.8 | 0.076 | 8.00 | True | 0.00 |
| 1211 | CO-287 | 90.3 | 0.477 | 8.00 | True | 0.00 |
| 1212 | CO-288 | 126.9 | 0.056 | 8.00 | True | 1.37 |
| 1213 | CO-289 | 54.0 | 0.046 | 8.00 | True | 1.36 |
| 1214 | CO-290 | 107.5 | 0.013 | 8.00 | True | 1.93 |
| 1215 | CO-291 | 193.8 | 0.056 | 8.00 | True | 0.00 |
| 1216 | CO-292 | 139.4 | 0.055 | 8.00 | True | 0.00 |
| 1218 | CO-293 | 143.0 | 0.062 | 8.00 | True | 1.92 |
| 1499 | CO-296 | 16.8 | 0.213 | 8.00 | True | 2.04 |
| 1224 | CO-297 | 80.4 | 0.087 | 8.00 | True | 0.00 |
| 1225 | CO-298 | 143.3 | 0.032 | 8.00 | True | 0.00 |
| 1226 | CO-299 | 358.9 | 0.029 | 8.00 | True | 0.00 |
| 1229 | CO-300 | 435.6 | 0.034 | 8.00 | False | (N/A) |
| 1231 | CO-301 | 97.9 | 0.004 | 8.00 | False | (N/A) |
| 1233 | CO-302 | 30.5 | 0.008 | 8.00 | False | (N/A) |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| ID | Label | Length (Scaled) (ft) | Slope (Calculated) (ft/ft) | Diameter (in) | Is Active? | Flow (gal/min) |
|--------------------------------|--------------------|----------------------------|--------------------------------------|------------------------------------|------------------------|-----------------------|
| 1235 | CO-303 | 118.6 | 0.010 | 8.00 | False | (N/A) |
| 1237 | CO-304 | 184.2 | 0.007 | 8.00 | False | (N/A) |
| 1239 | CO-305 | 105.4 | 0.013 | 8.00 | False | (N/A) |
| 1241 | CO-306 | 307.6 | 0.066 | 8.00 | False | (N/A) |
| 1243 | CO-307 | 77.9 | 0.505 | 8.00 | False | (N/A) |
| 1245 | CO-308 | 451.3 | 0.037 | 8.00 | False | (N/A) |
| 1246 | CO-309 | 169.0 | 0.006 | 8.00 | False | (N/A) |
| 1451 | CO-311 | 758.8 | 0.070 | 8.00 | True | 0.00 |
| 1466 | CO-313 | 2,345.2 | 0.026 | 12.00 | True | 0.00 |
| 1472 | CO-316 | 580.5 | 0.062 | 12.00 | True | 20.16 |
| 1474 | CO-317 | 419.0 | 0.115 | 12.00 | True | 0.00 |
| 1477 | CO-318 | 48.4 | 0.021 | 12.00 | True | 20.16 |
| 1492 | CO-319(1) | 3,215.7 | 0.031 | 12.00 | True | 0.00 |
| 1493 | CO-319(2) | 564.2 | 0.009 | 12.00 | True | 49.44 |
| 1513 | CO-326 | 663.1 | 0.065 | 8.00 | False | (N/A) |
| 1519 | CO-327 | 745.1 | 0.001 | 8.00 | True | 0.00 |
| 1738 | CO-329 | 2,320.4 | 0.052 | 12.00 | False | (N/A) |
| Flow (Maximum) (gal/min) | Velocity (ft/s) | Material | Capacity (Full Flow) (gal/min) | Flow / Capacity (Design) (%) | Invert (Start) (ft) | Invert (Stop) (ft) |
| 5.76 | 0.68 | PVC | 495.23 | 1.1 | 6,815.05 | 6,814.73 |
| 6.19 | 0.74 | PVC | 1,963.65 | 0.3 | 6,814.53 | 6,788.23 |
| 8.08 | 0.80 | PVC | 442.83 | 1.8 | 6,788.03 | 6,787.58 |
| 8.77 | 0.76 | PVC | 439.83 | 1.7 | 6,787.38 | 6,786.93 |
| 8.78 | 0.77 | PVC | 425.96 | 1.7 | 6,786.73 | 6,786.49 |
| 15.97 | 0.68 | PVC | 1,463.08 | 0.8 | 6,786.19 | 6,784.96 |
| 16.06 | 0.68 | PVC | 2,922.74 | 0.4 | 6,784.36 | 6,769.67 |
| 16.12 | 0.68 | PVC | 1,774.22 | 0.6 | 6,769.67 | 6,766.27 |
| 16.69 | 0.69 | PVC | 1,969.44 | 0.6 | 6,766.27 | 6,760.05 |
| 16.90 | 0.70 | PVC | 1,394.52 | 0.9 | 6,760.05 | 6,758.19 |
| 16.68 | 0.70 | PVC | 987.71 | 1.3 | 6,758.19 | 6,756.47 |
| 17.56 | 0.71 | PVC | 1,494.90 | 0.9 | 6,756.47 | 6,747.46 |
| 24.82 | 1.04 | PVC | 493.29 | 4.3 | 6,747.26 | 6,745.75 |
| 25.16 | 0.91 | PVC | 1,352.39 | 1.6 | 6,745.75 | 6,733.16 |
| 25.27 | 1.14 | PVC | 1,070.51 | 2.0 | 6,733.16 | 6,725.42 |
| 25.19 | 0.87 | PVC | 994.71 | 2.2 | 6,725.42 | 6,721.29 |
| 25.18 | 0.80 | PVC | 1,234.34 | 1.7 | 6,721.29 | 6,713.84 |
| 25.16 | 0.80 | PVC | 2,096.54 | 1.0 | 6,713.84 | 6,678.84 |
| 0.48 | 0.52 | PVC | 440.08 | 0.1 | 6,834.46 | 6,834.22 |
| 1.48 | 0.55 | PVC | 441.93 | 0.3 | 6,834.02 | 6,833.18 |
| 3.93 | 0.58 | PVC | 2,256.20 | 0.2 | 6,832.98 | 6,795.64 |
| 8.16 | 0.62 | PVC | 1,916.76 | 0.4 | 6,795.27 | 6,792.56 |
| 8.06 | 0.63 | PVC | 1,733.91 | 0.4 | 6,792.26 | 6,789.34 |
| 7.57 | 0.62 | PVC | 1,753.98 | 0.4 | 6,789.07 | 6,786.49 |
| 0.48 | 0.52 | PVC | 438.26 | 0.1 | 6,777.66 | 6,776.60 |
| 2.42 | 0.59 | PVC | 437.75 | 0.5 | 6,776.40 | 6,775.91 |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| Flow (Maximum) (gal/min) | Velocity (ft/s) | Material | Capacity (Full Flow) (gal/min) | Flow / Capacity (Design) (%) | Invert (Start) (ft) | Invert (Stop) (ft) |
|--------------------------------|--------------------|----------|--------------------------------------|------------------------------------|------------------------|-----------------------|
| 3.37 | 0.62 | PVC | 433.90 | 0.8 | 6,775.71 | 6,775.36 |
| 4.36 | 0.59 | PVC | 1,817.65 | 0.2 | 6,775.16 | 6,768.91 |
| 5.09 | 0.60 | PVC | 2,083.56 | 0.2 | 6,768.59 | 6,758.21 |
| 5.31 | 0.60 | PVC | 1,991.26 | 0.3 | 6,757.85 | 6,755.05 |
| 5.33 | 0.60 | PVC | 2,396.23 | 0.2 | 6,754.68 | 6,748.04 |
| 5.41 | 0.65 | PVC | 549.07 | 1.0 | 6,747.75 | 6,747.46 |
| 0.00 | 0.00 | PVC | 1,539.62 | 0.0 | 6,724.25 | 6,723.22 |
| 0.24 | 0.45 | PVC | 1,518.41 | 0.0 | 6,723.22 | 6,704.36 |
| 0.72 | 0.53 | PVC | 2,167.92 | 0.0 | 6,704.36 | 6,675.84 |
| 1.70 | 0.55 | PVC | 1,336.63 | 0.1 | 6,675.84 | 6,671.67 |
| 1.96 | 0.62 | PVC | 357.55 | 0.5 | 6,671.67 | 6,670.90 |
| 2.19 | 0.55 | PVC | 2,112.40 | 0.1 | 6,670.90 | 6,638.18 |
| 2.30 | 0.55 | PVC | 1,213.42 | 0.2 | 6,638.18 | 6,627.39 |
| 0.00 | 0.00 | PVC | 2,203.42 | 0.0 | 6,648.77 | 6,638.16 |
| 0.00 | 0.00 | PVC | 1,666.40 | 0.0 | 6,715.54 | 6,693.73 |
| 0.00 | 0.00 | PVC | 677.77 | 0.0 | 6,693.73 | 6,691.20 |
| 0.00 | 0.00 | PVC | 1,614.39 | 0.0 | 6,691.20 | 6,671.42 |
| 0.00 | 0.00 | PVC | 2,416.42 | 0.0 | 6,671.42 | 6,627.39 |
| 0.48 | 0.52 | PVC | 1,833.36 | 0.0 | 6,620.53 | 6,614.53 |
| 0.48 | 0.52 | PVC | 736.75 | 0.1 | 6,614.53 | 6,612.61 |
| 0.00 | 0.00 | PVC | 2,239.58 | 0.0 | 6,638.16 | 6,623.20 |
| 0.24 | 0.45 | PVC | 1,810.56 | 0.0 | 6,623.20 | 6,612.61 |
| 3.95 | 0.57 | PVC | 2,529.08 | 0.1 | 6,612.61 | 6,586.18 |
| 3.97 | 0.57 | PVC | 1,442.20 | 0.2 | 6,586.18 | 6,575.90 |
| 4.04 | 0.57 | PVC | 1,984.84 | 0.2 | 6,575.90 | 6,538.99 |
| 3.94 | 0.57 | PVC | 1,749.18 | 0.2 | 6,538.99 | 6,515.41 |
| 0.00 | 0.00 | PVC | 1,664.61 | 0.0 | 6,577.24 | 6,575.90 |
| 4.26 | 0.57 | PVC | 2,386.22 | 0.1 | 6,515.41 | 6,462.37 |
| 4.95 | 0.57 | PVC | 1,642.15 | 0.2 | 6,462.37 | 6,449.60 |
| 4.06 | 0.57 | PVC | 658.79 | 0.5 | 6,449.60 | 6,447.60 |
| 4.02 | 0.57 | PVC | 1,000.59 | 0.3 | 6,447.60 | 6,445.39 |
| 4.04 | 0.57 | PVC | 914.74 | 0.3 | 6,445.39 | 6,438.75 |
| 4.02 | 0.57 | PVC | 1,798.68 | 0.2 | 6,438.75 | 6,412.84 |
| 4.00 | 0.57 | PVC | 1,835.75 | 0.2 | 6,412.84 | 6,386.41 |
| 3.99 | 0.57 | PVC | 1,559.04 | 0.2 | 6,386.41 | 6,368.79 |
| 37.34 | 0.93 | PVC | 763.21 | 4.3 | 6,368.79 | 6,365.52 |
| 37.25 | 0.93 | PVC | 2,623.96 | 1.2 | 6,365.52 | 6,340.10 |
| 38.57 | 0.93 | PVC | 5,599.97 | 0.6 | 6,340.10 | 6,312.10 |
| 37.24 | 0.93 | PVC | 736.24 | 4.4 | 6,312.10 | 6,311.38 |
| 37.24 | 0.93 | PVC | 2,534.17 | 1.3 | 6,311.38 | 6,305.33 |
| 56.97 | 1.03 | PVC | 1,223.27 | 3.4 | 6,305.33 | 6,303.67 |
| 56.99 | 1.03 | PVC | 2,132.99 | 1.9 | 6,303.67 | 6,298.00 |
| 26.65 | 0.82 | PVC | 1,676.85 | 1.4 | 6,678.84 | 6,654.54 |
| 27.15 | 0.94 | PVC | 2,168.24 | 1.1 | 6,654.54 | 6,622.59 |
| 27.22 | 0.83 | PVC | 2,025.43 | 1.2 | 6,622.59 | 6,611.23 |
| 27.19 | 0.83 | PVC | 1,468.62 | 1.6 | 6,611.23 | 6,604.33 |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| Flow (Maximum) (gal/min) | Velocity (ft/s) | Material | Capacity (Full Flow) (gal/min) | Flow / Capacity (Design) (%) | Invert (Start) (ft) | Invert (Stop) (ft) |
|--------------------------------|--------------------|----------|--------------------------------------|------------------------------------|------------------------|-----------------------|
| 27.13 | 0.83 | PVC | 891.04 | 2.6 | 6,604.33 | 6,602.80 |
| 27.13 | 1.16 | PVC | 774.76 | 3.0 | 6,602.80 | 6,599.44 |
| 27.12 | 1.10 | PVC | 570.49 | 4.1 | 6,599.44 | 6,597.69 |
| 27.09 | 0.87 | PVC | 480.16 | 4.9 | 6,597.69 | 6,596.69 |
| 27.61 | 0.83 | PVC | 800.06 | 3.0 | 6,596.69 | 6,595.69 |
| 27.60 | 0.84 | PVC | 564.24 | 4.3 | 6,595.69 | 6,595.42 |
| 27.57 | 0.83 | PVC | 1,308.46 | 1.8 | 6,595.42 | 6,588.83 |
| 0.00 | 0.00 | PVC | 655.62 | 0.0 | 6,606.40 | 6,606.20 |
| 27.73 | 0.83 | PVC | 1,185.51 | 2.0 | 6,588.83 | 6,587.83 |
| 30.32 | 0.86 | PVC | 870.12 | 3.1 | 6,587.83 | 6,581.91 |
| 32.70 | 0.89 | PVC | 1,546.69 | 1.9 | 6,581.91 | 6,572.51 |
| 32.98 | 0.89 | PVC | 3,092.08 | 0.9 | 6,572.51 | 6,562.00 |
| 33.18 | 0.89 | PVC | 3,137.86 | 0.9 | 6,562.00 | 6,515.75 |
| 33.44 | 0.89 | PVC | 1,301.11 | 2.3 | 6,515.75 | 6,513.60 |
| 33.44 | 0.89 | PVC | 1,583.42 | 1.8 | 6,513.60 | 6,508.44 |
| 33.44 | 0.89 | PVC | 1,819.51 | 1.6 | 6,508.44 | 6,488.69 |
| 33.44 | 0.89 | PVC | 2,722.96 | 1.1 | 6,488.69 | 6,439.11 |
| 33.44 | 0.89 | PVC | 2,602.24 | 1.1 | 6,439.11 | 6,403.90 |
| 33.44 | 0.89 | PVC | 1,691.32 | 1.7 | 6,403.90 | 6,392.03 |
| 0.24 | 0.45 | PVC | 3,118.61 | 0.0 | 6,581.24 | 6,572.51 |
| 0.00 | 0.00 | PVC | 1,665.17 | 0.0 | 6,525.25 | 6,515.75 |
| 0.24 | 0.45 | PVC | 726.62 | 0.0 | 6,584.24 | 6,581.24 |
| 0.48 | 0.52 | PVC | 1,077.02 | 0.0 | 6,616.80 | 6,615.77 |
| 0.72 | 0.53 | PVC | 988.12 | 0.1 | 6,615.77 | 6,614.88 |
| 0.96 | 0.53 | PVC | 1,925.13 | 0.0 | 6,614.88 | 6,596.62 |
| 2.43 | 0.56 | PVC | 1,862.24 | 0.1 | 6,596.62 | 6,584.07 |
| 2.43 | 0.56 | PVC | 1,706.64 | 0.1 | 6,584.07 | 6,581.91 |
| 0.00 | 0.00 | PVC | 1,849.46 | 0.0 | 6,629.15 | 6,614.88 |
| 0.00 | 0.00 | PVC | 2,752.89 | 0.0 | 6,708.53 | 6,680.06 |
| 0.00 | 0.00 | PVC | 2,912.79 | 0.0 | 6,680.06 | 6,656.36 |
| 0.48 | 0.52 | PVC | 2,006.06 | 0.0 | 6,656.36 | 6,625.93 |
| 1.68 | 0.55 | PVC | 1,876.11 | 0.1 | 6,625.93 | 6,600.57 |
| 2.64 | 0.56 | PVC | 2,544.01 | 0.1 | 6,600.57 | 6,587.83 |
| 0.00 | 0.00 | PVC | 2,033.00 | 0.0 | 6,680.50 | 6,656.36 |
| 0.24 | 0.45 | PVC | 2,316.03 | 0.0 | 6,647.55 | 6,628.00 |
| 0.72 | 0.53 | PVC | 3,093.28 | 0.0 | 6,628.00 | 6,596.62 |
| 5.80 | 0.70 | PVC | 785.49 | 0.7 | 6,515.25 | 6,514.10 |
| 6.04 | 0.66 | PVC | 771.88 | 0.8 | 6,514.10 | 6,512.88 |
| 6.52 | 0.75 | PVC | 833.81 | 0.8 | 6,512.88 | 6,512.00 |
| 7.00 | 0.69 | PVC | 1,681.91 | 0.4 | 6,512.00 | 6,490.72 |
| 18.67 | 0.70 | PVC | 1,614.71 | 0.4 | 6,490.52 | 6,485.25 |
| 19.15 | 0.71 | PVC | 1,795.96 | 0.4 | 6,485.25 | 6,474.29 |
| 19.15 | 0.71 | PVC | 1,798.75 | 0.4 | 6,474.29 | 6,465.90 |
| 19.15 | 0.71 | PVC | 1,723.55 | 0.4 | 6,465.90 | 6,464.78 |
| 19.15 | 0.63 | PVC | 3,244.15 | 0.2 | 6,464.78 | 6,425.40 |
| 19.87 | 0.64 | PVC | 3,144.92 | 0.3 | 6,425.40 | 6,376.00 |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| Flow (Maximum) (gal/min) | Velocity (ft/s) | Material | Capacity (Full Flow) (gal/min) | Flow / Capacity (Design) (%) | Invert (Start) (ft) | Invert (Stop) (ft) |
|--------------------------------|--------------------|----------|--------------------------------------|------------------------------------|------------------------|-----------------------|
| 19.87 | 0.65 | PVC | 2,922.36 | 0.3 | 6,376.00 | 6,329.00 |
| 19.87 | 0.66 | PVC | 2,659.25 | 0.3 | 6,329.00 | 6,305.33 |
| 0.96 | 0.53 | PVC | 2,018.66 | 0.0 | 6,563.56 | 6,547.05 |
| 1.47 | 0.54 | PVC | 602.11 | 0.2 | 6,546.85 | 6,546.69 |
| 5.80 | 0.64 | PVC | 1,939.84 | 0.3 | 6,546.49 | 6,515.25 |
| 4.32 | 0.60 | PVC | 2,249.15 | 0.2 | 6,608.08 | 6,548.70 |
| 0.48 | 0.52 | PVC | 1,544.34 | 0.0 | 6,564.01 | 6,560.23 |
| 0.48 | 0.52 | PVC | 942.24 | 0.1 | 6,560.03 | 6,553.34 |
| 4.56 | 0.59 | PVC | 1,439.22 | 0.3 | 6,553.14 | 6,548.46 |
| 11.35 | 0.66 | PVC | 3,139.98 | 0.3 | 6,548.06 | 6,494.12 |
| 11.52 | 0.00 | PVC | 537.91 | 0.0 | 6,492.19 | 6,490.72 |
| 0.96 | 0.53 | PVC | 1,008.92 | 0.1 | 6,584.40 | 6,582.20 |
| 1.53 | 0.59 | PVC | 1,926.45 | 0.1 | 6,582.00 | 6,559.26 |
| 2.37 | 0.56 | PVC | 2,775.17 | 0.1 | 6,559.26 | 6,553.54 |
| 0.48 | 0.52 | PVC | 441.39 | 0.1 | 6,612.81 | 6,612.00 |
| 1.44 | 0.54 | PVC | 1,897.33 | 0.1 | 6,611.80 | 6,601.20 |
| 1.92 | 0.55 | PVC | 1,506.00 | 0.1 | 6,601.00 | 6,596.00 |
| 2.47 | 0.62 | PVC | 1,799.06 | 0.1 | 6,596.00 | 6,579.50 |
| 4.46 | 0.59 | PVC | 5,010.42 | 0.1 | 6,579.00 | 6,552.79 |
| 4.56 | 0.59 | PVC | 1,272.07 | 0.4 | 6,550.79 | 6,550.09 |
| 4.52 | 0.65 | PVC | 441.96 | 1.0 | 6,549.89 | 6,549.22 |
| 5.00 | 0.65 | PVC | 446.56 | 1.1 | 6,549.02 | 6,548.46 |
| 1.12 | 0.54 | PVC | 1,411.93 | 0.1 | 6,495.12 | 6,494.12 |
| 0.00 | 0.00 | PVC | 1,805.72 | 0.0 | 6,345.67 | 6,327.78 |
| 0.00 | 0.00 | PVC | 1,866.69 | 0.0 | 6,327.48 | 6,322.48 |
| 0.00 | 0.00 | PVC | 1,601.23 | 0.0 | 6,322.18 | 6,312.51 |
| 0.00 | 0.00 | PVC | 427.47 | 0.0 | 6,312.31 | 6,312.09 |
| 0.00 | 0.00 | PVC | 524.68 | 0.0 | 6,311.89 | 6,310.37 |
| 0.00 | 0.00 | PVC | 369.86 | 0.0 | 6,310.37 | 6,310.00 |
| 0.00 | 0.00 | PVC | 1,431.80 | 0.0 | 6,310.00 | 6,302.62 |
| 0.00 | 0.00 | PVC | 1,003.49 | 0.0 | 6,302.62 | 6,300.50 |
| 0.00 | 0.00 | PVC | 713.25 | 0.0 | 6,300.50 | 6,299.27 |
| 0.00 | 0.00 | PVC | 1,502.76 | 0.0 | 6,299.27 | 6,298.00 |
| 0.00 | 0.00 | PVC | 438.80 | 0.0 | 6,342.19 | 6,341.59 |
| 0.00 | 0.00 | PVC | 438.09 | 0.0 | 6,341.39 | 6,340.78 |
| 0.00 | 0.00 | PVC | 440.82 | 0.0 | 6,340.58 | 6,339.85 |
| 0.00 | 0.00 | PVC | 438.82 | 0.0 | 6,339.65 | 6,338.96 |
| 0.00 | 0.00 | PVC | 1,744.62 | 0.0 | 6,338.76 | 6,336.23 |
| 0.00 | 0.00 | PVC | 2,258.03 | 0.0 | 6,336.03 | 6,323.08 |
| 3.65 | 0.57 | PVC | 2,179.48 | 0.2 | 6,322.48 | 6,307.37 |
| 3.63 | 0.57 | PVC | 1,760.39 | 0.2 | 6,306.77 | 6,294.33 |
| 3.60 | 0.57 | PVC | 1,974.89 | 0.2 | 6,294.03 | 6,289.03 |
| 3.60 | 0.57 | PVC | 1,904.15 | 0.2 | 6,288.73 | 6,265.20 |
| 3.66 | 0.57 | PVC | 443.06 | 0.8 | 6,264.80 | 6,263.33 |
| 0.48 | 0.52 | PVC | 502.29 | 0.1 | 6,327.63 | 6,326.81 |
| 1.46 | 0.54 | PVC | 701.53 | 0.2 | 6,326.81 | 6,324.81 |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| Flow (Maximum) (gal/min) | Velocity (ft/s) | Material | Capacity (Full Flow) (gal/min) | Flow / Capacity (Design) (%) | Invert (Start) (ft) | Invert (Stop) (ft) |
|--------------------------------|--------------------|----------|--------------------------------------|------------------------------------|------------------------|-----------------------|
| 2.44 | 0.59 | PVC | 436.03 | 0.6 | 6,324.61 | 6,324.04 |
| 3.36 | 0.60 | PVC | 441.44 | 0.8 | 6,323.84 | 6,323.27 |
| 3.36 | 0.62 | PVC | 433.73 | 0.8 | 6,323.07 | 6,322.68 |
| 0.00 | 0.00 | PVC | 436.20 | 0.0 | 6,310.53 | 6,310.05 |
| 0.00 | 0.00 | PVC | 437.63 | 0.0 | 6,309.85 | 6,309.33 |
| 0.00 | 0.00 | PVC | 439.69 | 0.0 | 6,309.13 | 6,308.55 |
| 0.00 | 0.00 | PVC | 439.55 | 0.0 | 6,308.35 | 6,307.67 |
| 0.00 | 0.00 | PVC | 435.98 | 0.0 | 6,307.47 | 6,306.97 |
| 0.00 | 0.00 | PVC | 2,344.95 | 0.0 | 6,282.38 | 6,263.63 |
| 3.64 | 0.57 | PVC | 1,203.60 | 0.3 | 6,263.13 | 6,261.00 |
| 1.20 | 0.54 | PVC | 3,135.33 | 0.0 | 6,739.25 | 6,709.82 |
| 1.20 | 0.54 | PVC | 2,301.01 | 0.1 | 6,709.82 | 6,700.00 |
| 1.20 | 0.54 | PVC | 1,797.82 | 0.1 | 6,700.00 | 6,670.42 |
| 1.20 | 0.54 | PVC | 1,072.69 | 0.1 | 6,670.42 | 6,664.91 |
| 4.32 | 0.64 | PVC | 1,191.44 | 0.4 | 6,664.91 | 6,652.63 |
| 0.00 | 0.00 | PVC | 2,320.02 | 0.0 | 6,836.26 | 6,794.95 |
| 0.00 | 0.00 | PVC | 2,284.80 | 0.0 | 6,794.95 | 6,752.86 |
| 0.24 | 0.45 | PVC | 1,870.67 | 0.0 | 6,847.77 | 6,832.67 |
| 0.24 | 0.45 | PVC | 2,376.25 | 0.0 | 6,832.67 | 6,739.25 |
| 0.00 | 0.00 | PVC | 1,054.85 | 0.0 | 6,909.83 | 6,905.19 |
| 0.00 | 0.00 | PVC | 934.11 | 0.0 | 6,909.83 | 6,907.36 |
| 0.00 | 0.00 | PVC | 1,910.33 | 0.0 | 6,907.36 | 6,847.77 |
| 0.24 | 0.45 | PVC | 1,928.64 | 0.0 | 6,828.54 | 6,798.63 |
| 0.24 | 0.45 | PVC | 2,115.29 | 0.0 | 6,865.03 | 6,828.54 |
| 0.00 | 0.00 | PVC | 2,210.68 | 0.0 | 6,905.19 | 6,865.03 |
| 0.00 | 0.00 | PVC | 1,355.81 | 0.0 | 6,847.77 | 6,836.21 |
| 0.96 | 0.53 | PVC | 1,500.85 | 0.1 | 6,836.21 | 6,820.27 |
| 2.26 | 0.63 | PVC | 1,684.80 | 0.1 | 6,820.27 | 6,798.63 |
| 2.98 | 0.58 | PVC | 2,146.85 | 0.1 | 6,798.63 | 6,764.00 |
| 3.22 | 0.57 | PVC | 2,185.09 | 0.1 | 6,764.00 | 6,749.91 |
| 3.22 | 0.60 | PVC | 1,011.35 | 0.3 | 6,749.91 | 6,742.33 |
| 3.22 | 0.57 | PVC | 2,439.67 | 0.1 | 6,742.33 | 6,664.91 |
| (N/A) | (N/A) | PVC | 1,659.40 | (N/A) | 6,416.84 | 6,412.36 |
| (N/A) | (N/A) | PVC | 2,256.23 | (N/A) | 6,412.06 | 6,400.95 |
| (N/A) | (N/A) | PVC | 1,552.79 | (N/A) | 6,400.65 | 6,389.37 |
| 0.00 | 0.00 | PVC | 4,757.87 | 0.0 | 6,532.81 | 6,514.86 |
| 0.00 | 0.00 | PVC | 3,955.98 | 0.0 | 6,514.86 | 6,507.18 |
| 0.00 | 0.00 | PVC | 3,108.94 | 0.0 | 6,507.18 | 6,503.43 |
| 0.00 | 0.00 | PVC | 1,299.73 | 0.0 | 6,560.83 | 6,545.39 |
| 0.00 | 0.00 | PVC | 1,829.88 | 0.0 | 6,545.39 | 6,535.94 |
| (N/A) | (N/A) | PVC | 734.82 | (N/A) | 6,666.41 | 6,663.59 |
| (N/A) | (N/A) | PVC | 2,224.21 | (N/A) | 6,663.59 | 6,653.65 |
| (N/A) | (N/A) | PVC | 2,416.48 | (N/A) | 6,653.65 | 6,616.27 |
| (N/A) | (N/A) | PVC | 1,486.28 | (N/A) | 6,616.27 | 6,607.90 |
| 0.00 | 0.00 | PVC | 2,536.44 | 0.0 | 6,607.90 | 6,570.48 |
| 0.00 | 0.00 | PVC | 1,495.71 | 0.0 | 6,570.48 | 6,559.83 |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| Flow (Maximum) (gal/min) | Velocity (ft/s) | Material | Capacity (Full Flow) (gal/min) | Flow / Capacity (Design) (%) | Invert (Start) (ft) | Invert (Stop) (ft) |
|--------------------------------|--------------------|----------|--------------------------------------|------------------------------------|------------------------|-----------------------|
| 0.00 | 0.00 | PVC | 1,237.85 | 0.0 | 6,559.83 | 6,551.15 |
| 1.41 | 0.00 | PVC | 2,651.71 | 0.0 | 6,551.15 | 6,527.47 |
| (N/A) | (N/A) | PVC | 2,902.97 | (N/A) | 6,649.16 | 6,632.02 |
| (N/A) | (N/A) | PVC | 2,765.57 | (N/A) | 6,632.02 | 6,616.27 |
| (N/A) | (N/A) | PVC | 1,781.16 | (N/A) | 6,678.72 | 6,670.14 |
| (N/A) | (N/A) | PVC | 1,507.68 | (N/A) | 6,670.14 | 6,653.65 |
| 0.00 | 0.00 | PVC | 687.60 | 0.0 | 6,599.70 | 6,598.70 |
| 0.00 | 0.00 | PVC | 602.12 | 0.0 | 6,598.70 | 6,597.70 |
| 0.00 | 0.00 | PVC | 1,623.96 | 0.0 | 6,597.70 | 6,585.08 |
| 0.00 | 0.00 | PVC | 2,794.37 | 0.0 | 6,585.08 | 6,570.38 |
| 0.00 | 0.00 | PVC | 2,842.26 | 0.0 | 6,570.38 | 6,554.97 |
| 0.00 | 0.00 | PVC | 1,607.07 | 0.0 | 6,554.97 | 6,551.15 |
| 0.00 | 0.00 | PVC | 899.57 | 0.0 | 6,323.07 | 6,322.73 |
| 51.67 | 1.13 | PVC | 3,038.13 | 1.6 | 6,322.73 | 6,320.73 |
| 51.63 | 1.13 | PVC | 1,982.26 | 2.5 | 6,320.73 | 6,319.40 |
| 51.64 | 1.13 | PVC | 6,575.95 | 0.8 | 6,319.40 | 6,315.93 |
| 51.68 | 1.13 | PVC | 8,139.35 | 0.6 | 6,315.93 | 6,300.57 |
| 0.00 | 0.00 | PVC | 711.20 | 0.0 | 6,301.57 | 6,300.57 |
| 0.00 | 0.00 | PVC | 549.84 | 0.0 | 6,302.31 | 6,301.77 |
| 0.00 | 0.00 | PVC | 738.81 | 0.0 | 6,303.80 | 6,302.51 |
| 0.00 | 0.00 | PVC | 832.36 | 0.0 | 6,307.62 | 6,304.00 |
| 0.00 | 0.00 | PVC | 714.32 | 0.0 | 6,310.80 | 6,307.82 |
| 0.00 | 0.00 | PVC | 825.23 | 0.0 | 6,311.92 | 6,311.00 |
| 0.00 | 0.00 | PVC | 806.44 | 0.0 | 6,313.19 | 6,312.12 |
| 0.00 | 0.00 | PVC | 836.28 | 0.0 | 6,316.70 | 6,313.39 |
| 0.00 | 0.00 | PVC | 876.63 | 0.0 | 6,318.29 | 6,316.90 |
| 0.00 | 0.00 | PVC | 816.99 | 0.0 | 6,325.31 | 6,321.68 |
| 0.00 | 0.00 | PVC | 1,934.80 | 0.0 | 6,330.83 | 6,325.51 |
| 0.00 | 0.00 | PVC | 1,785.58 | 0.0 | 6,336.31 | 6,331.03 |
| 520.53 | 1.13 | PVC | 2,102.48 | 7.8 | 6,298.47 | 6,295.57 |
| 535.71 | 2.27 | PVC | 1,482.68 | 11.4 | 6,299.57 | 6,298.47 |
| 5.76 | 0.62 | PVC | 2,516.59 | 0.2 | 6,386.42 | 6,372.71 |
| 13.99 | 0.87 | PVC | 1,459.63 | 1.0 | 6,364.54 | 6,355.20 |
| 21.67 | 1.05 | PVC | 1,826.85 | 1.2 | 6,355.00 | 6,339.20 |
| 29.35 | 1.15 | PVC | 2,134.76 | 1.4 | 6,339.00 | 6,328.00 |
| 0.00 | 0.00 | PVC | 1,705.61 | 0.0 | 6,380.00 | 6,374.20 |
| 2.41 | 0.56 | PVC | 1,772.78 | 0.1 | 6,374.00 | 6,368.20 |
| 2.46 | 0.56 | PVC | 895.44 | 0.3 | 6,368.00 | 6,364.54 |
| 5.78 | 0.63 | PVC | 938.19 | 0.6 | 6,377.70 | 6,377.50 |
| 11.56 | 0.68 | PVC | 6,502.52 | 0.2 | 6,377.50 | 6,366.20 |
| 20.17 | 1.02 | PVC | 1,655.61 | 1.2 | 6,366.00 | 6,365.00 |
| 2.88 | 0.63 | PVC | 1,398.77 | 0.2 | 6,378.51 | 6,377.70 |
| 33.68 | 0.90 | PVC | 2,081.28 | 1.4 | 6,392.03 | 6,368.79 |
| 3.08 | 0.60 | PVC | 1,508.32 | 0.1 | 6,627.39 | 6,612.61 |
| 0.48 | 0.52 | PVC | 670.39 | 0.1 | 6,585.71 | 6,584.60 |
| 0.48 | 0.52 | PVC | 1,335.65 | 0.0 | 6,584.00 | 6,579.50 |

Existing Scenario - ADD
Conduit Table - Time: 0.00 hours

| Flow (Maximum) (gal/min) | Velocity (ft/s) | Material | Capacity (Full Flow) (gal/min) | Flow / Capacity (Design) (%) | Invert (Start) (ft) | Invert (Stop) (ft) |
|--------------------------------|--------------------|----------|--------------------------------------|------------------------------------|------------------------|-----------------------|
| 0.00 | 0.00 | PVC | 2,069.27 | 0.0 | 6,422.99 | 6,403.62 |
| 0.00 | 0.00 | PVC | 1,907.65 | 0.0 | 6,403.62 | 6,376.26 |
| 0.00 | 0.00 | PVC | 1,572.53 | 0.0 | 6,376.06 | 6,367.09 |
| 0.48 | 0.52 | PVC | 491.65 | 0.1 | 6,367.56 | 6,367.09 |
| 0.00 | 0.00 | PVC | 1,559.45 | 0.0 | 6,441.84 | 6,429.99 |
| 0.00 | 0.00 | PVC | 1,945.60 | 0.0 | 6,429.99 | 6,410.89 |
| 0.00 | 0.00 | PVC | 4,871.30 | 0.0 | 6,410.89 | 6,367.76 |
| 1.37 | 0.54 | PVC | 1,675.62 | 0.1 | 6,366.89 | 6,359.72 |
| 1.36 | 0.54 | PVC | 1,507.24 | 0.1 | 6,359.52 | 6,357.05 |
| 1.93 | 0.55 | PVC | 798.99 | 0.2 | 6,356.85 | 6,355.47 |
| 0.00 | 0.00 | PVC | 1,665.94 | 0.0 | 6,375.02 | 6,364.20 |
| 0.00 | 0.00 | PVC | 1,655.74 | 0.0 | 6,364.00 | 6,356.31 |
| 2.18 | 0.55 | PVC | 1,762.09 | 0.1 | 6,356.11 | 6,347.18 |
| 2.93 | 0.55 | PVC | 3,257.61 | 0.1 | 6,346.98 | 6,343.39 |
| 0.00 | 0.00 | PVC | 2,079.78 | 0.0 | 6,445.58 | 6,438.58 |
| 0.00 | 0.00 | PVC | 1,257.51 | 0.0 | 6,438.38 | 6,433.82 |
| 0.00 | 0.00 | PVC | 1,201.95 | 0.0 | 6,433.62 | 6,423.19 |
| (N/A) | (N/A) | PVC | 1,295.25 | (N/A) | 6,460.77 | 6,446.07 |
| (N/A) | (N/A) | PVC | 433.36 | (N/A) | 6,445.87 | 6,445.50 |
| (N/A) | (N/A) | PVC | 625.66 | (N/A) | 6,445.30 | 6,445.06 |
| (N/A) | (N/A) | PVC | 706.11 | (N/A) | 6,444.86 | 6,443.67 |
| (N/A) | (N/A) | PVC | 592.31 | (N/A) | 6,444.97 | 6,443.67 |
| (N/A) | (N/A) | PVC | 795.09 | (N/A) | 6,446.51 | 6,445.17 |
| (N/A) | (N/A) | PVC | 1,812.96 | (N/A) | 6,466.85 | 6,446.51 |
| (N/A) | (N/A) | PVC | 5,011.86 | (N/A) | 6,483.05 | 6,443.67 |
| (N/A) | (N/A) | PVC | 1,350.53 | (N/A) | 6,499.61 | 6,483.05 |
| (N/A) | (N/A) | PVC | 542.29 | (N/A) | 6,443.47 | 6,442.47 |
| 0.00 | 0.00 | | 1,431.44 | 0.0 | 6,752.86 | 6,700.00 |
| 1.38 | 0.00 | | 2,566.79 | 0.0 | 6,483.43 | 6,423.00 |
| 21.04 | 0.78 | | 3,981.91 | 0.5 | 6,364.00 | 6,328.00 |
| 0.00 | 0.00 | PVC | 7,035.66 | 0.0 | 6,412.00 | 6,364.00 |
| 20.16 | 0.85 | PVC | 2,987.62 | 0.7 | 6,365.00 | 6,364.00 |
| 0.00 | 0.00 | | 2,823.58 | 0.0 | 6,423.00 | 6,322.73 |
| 50.34 | 1.45 | | 1,545.46 | 3.2 | 6,328.00 | 6,322.73 |
| (N/A) | (N/A) | PVC | 1,803.78 | (N/A) | 6,389.07 | 6,345.67 |
| 0.00 | 0.00 | PVC | 258.30 | 0.0 | 6,589.83 | 6,588.83 |
| (N/A) | (N/A) | PVC | 4,723.65 | (N/A) | 6,652.63 | 6,532.81 |

Pressure Pipe Table - Time: 0.00 hours

| ID | Label | Start Node | Stop Node | Has User Defined Length? | Length (User Defined) (ft) | Length (Scaled) (ft) |
|------|-------|------------|-----------|--------------------------------|----------------------------------|----------------------------|
| 1158 | P-11 | SM-0 | J-6 | False | 0.0 | 346.6 |
| 1179 | P-20 | J-8 | J-9 | False | 0.0 | 105.1 |
| 1180 | P-21 | J-9 | SM-81 | False | 0.0 | 220.1 |
| 1549 | P-24 | J-10 | SM-261 | False | 0.0 | 1,024.4 |

Existing Scenario - ADD
Pressure Pipe Table - Time: 0.00 hours

| ID | Label | Start Node | Stop Node | Has User Defined Length? | Length (User Defined) (ft) | Length (Scaled) (ft) |
|------------|---------------|----------------|-----------------|--------------------------|----------------------------|----------------------|
| 1550 | P-25 | T-6 | J-10 | False | 0.0 | 3,939.0 |
| 507 | P-5 | PMP-1 | T-1 | True | 0.1 | 12.9 |
| 508 | P-6 | W-1 | PMP-1 | True | 0.1 | 9.6 |
| 1506 | P-22 | W-8 | PMP-9 | True | 0.1 | 9.7 |
| 1507 | P-23 | PMP-9 | T-6 | True | 0.1 | 11.3 |
| 1564 | P-4(2) | T-1 | W-4 | False | 0.0 | 1,796.7 |
| 519 | P-7 | W-4 | PMP-2 | True | 0.1 | 12.3 |
| 520 | P-8 | PMP-2 | T-2 | True | 0.1 | 10.9 |
| 1552 | P-26 | MH-29 | J-11 | False | 0.0 | 74.0 |
| 1553 | P-27 | J-11 | SM-261 | False | 0.0 | 1,028.1 |
| 1560 | P-28 | J-12 | J-11 | False | 0.0 | 3,961.3 |
| 1571 | P-9(1)(1) | T-2 | J-15 | False | 0.0 | 1,519.3 |
| 1572 | P-9(1)(2) | J-15 | J-12 | False | 0.0 | 2,008.4 |
| 1573 | P-29 | T-1 | J-15 | False | 0.0 | 76.6 |
| Is Active? | Diameter (in) | Flow (gal/min) | Velocity (ft/s) | Headloss (ft) | Notes | Material |
| True | 2.08 | 0.00 | 0.00 | 2.04 | DR 17 | Ductile Iron |
| True | 2.08 | 0.00 | 0.00 | 0.00 | DR 17 | Ductile Iron |
| True | 2.08 | 3.36 | 0.32 | 0.07 | DR 17 | Ductile Iron |
| True | 3.79 | 0.00 | 0.00 | 0.00 | DR 17 | Ductile Iron |
| True | 3.79 | 0.00 | 0.00 | 0.00 | DR 17 | Ductile Iron |
| True | 3.94 | (N/A) | (N/A) | 0.00 | DR 17 | Ductile Iron |
| True | 3.94 | (N/A) | (N/A) | 0.00 | DR 17 | Ductile Iron |
| True | 3.94 | (N/A) | (N/A) | 0.00 | DR 17 | Ductile Iron |
| True | 3.94 | (N/A) | (N/A) | 0.00 | DR 17 | Ductile Iron |
| True | 3.94 | 250.16 | 6.58 | 79.38 | DR 17 | Ductile Iron |
| True | 5.80 | (N/A) | (N/A) | 0.00 | DR 17 | Ductile Iron |
| True | 5.80 | (N/A) | (N/A) | 0.00 | DR 17 | Ductile Iron |
| True | 5.80 | 1.20 | 0.01 | 0.00 | DR 17 | Ductile Iron |
| True | 5.80 | 398.54 | 4.84 | 16.37 | DR 17 | Ductile Iron |
| True | 5.80 | 397.34 | 4.82 | 62.72 | DR 17 | Ductile Iron |
| True | 5.80 | 397.34 | 4.82 | 24.05 | DR 17 | Ductile Iron |
| True | 5.80 | 397.34 | 4.82 | 31.80 | DR 17 | Ductile Iron |
| False | 5.80 | (N/A) | (N/A) | -33.64 | DR 17 | Ductile Iron |

Manhole Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Invert) (ft) | Sanitary Loads | Notes |
|-----|--------|-------------------------|-------------------------|-----------------------|-------|
| 112 | SM-245 | 6,411.65 | 6,400.65 | <Collection: 0 items> | |
| 114 | SM-246 | 6,422.06 | 6,412.06 | <Collection: 0 items> | |
| 116 | SM-247 | 6,427.84 | 6,416.84 | <Collection: 0 items> | |
| 207 | SM-173 | 6,621.27 | 6,616.27 | <Collection: 0 items> | |
| 219 | SM-175 | 6,652.02 | 6,632.02 | <Collection: 0 items> | |
| 222 | SM-176 | 6,654.16 | 6,649.16 | <Collection: 0 items> | |
| 224 | SM-153 | 6,658.65 | 6,653.65 | <Collection: 0 items> | |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Invert) (ft) | Sanitary Loads | Notes |
|------|--------|-------------------------------|-------------------------------|-----------------------|-------|
| 227 | SM-154 | 6,668.59 | 6,663.59 | <Collection: 0 items> | |
| 228 | SM-155 | 6,671.41 | 6,663.59 | <Collection: 0 items> | |
| 229 | SM-152 | 6,675.14 | 6,670.14 | <Collection: 0 items> | |
| 235 | SM-151 | 6,683.72 | 6,678.72 | <Collection: 0 items> | |
| 1196 | MH-40 | 6,448.05 | 6,425.00 | <Collection: 0 items> | |
| 1227 | MH-15 | 6,469.05 | 6,460.77 | <Collection: 0 items> | |
| 1228 | MH-16 | 6,453.96 | 6,445.87 | <Collection: 0 items> | |
| 1230 | MH-17 | 6,452.65 | 6,445.30 | <Collection: 0 items> | |
| 1232 | MH-18 | 6,452.12 | 6,444.86 | <Collection: 0 items> | |
| 1234 | MH-19 | 6,451.33 | 6,443.47 | <Collection: 0 items> | |
| 1236 | MH-20 | 6,452.23 | 6,444.97 | <Collection: 0 items> | |
| 1238 | MH-21 | 6,453.25 | 6,446.51 | <Collection: 0 items> | |
| 1240 | MH-22 | 6,472.86 | 6,466.85 | <Collection: 0 items> | |
| 1242 | MH-23 | 6,504.76 | 6,483.05 | <Collection: 0 items> | |
| 1244 | MH-24 | 6,504.61 | 6,499.61 | <Collection: 0 items> | |
| 1512 | MH-49 | 6,400.07 | 6,389.07 | <Collection: 0 items> | |
| 30 | SM-224 | 6,283.00 | 6,263.13 | <Collection: 0 items> | |
| 31 | SM-225 | 6,279.39 | 6,264.80 | <Collection: 0 items> | |
| 32 | SM-223 | 6,292.38 | 6,282.38 | <Collection: 0 items> | |
| 33 | SM-226 | 6,298.73 | 6,288.73 | <Collection: 0 items> | |
| 35 | SM-227 | 6,304.03 | 6,294.03 | <Collection: 0 items> | |
| 36 | SM-211 | 6,304.27 | 6,279.27 | <Collection: 0 items> | |
| 37 | SM-213 | 6,307.62 | 6,282.62 | <Collection: 0 items> | |
| 38 | SM-254 | 6,326.36 | 6,313.19 | <Collection: 0 items> | |
| 39 | SM-68 | 6,309.64 | 6,303.67 | <Collection: 0 items> | |
| 41 | SM-15 | 6,310.58 | 6,305.33 | <Collection: 0 items> | |
| 42 | SM-212 | 6,311.10 | 6,286.10 | <Collection: 0 items> | |
| 43 | SM-260 | 6,313.91 | 6,301.57 | <Collection: 0 items> | |
| 44 | SM-261 | 6,312.00 | 6,299.57 | <Collection: 0 items> | |
| 45 | SM-16 | 6,319.44 | 6,311.38 | <Collection: 0 items> | |
| 46 | SM-253 | 6,329.47 | 6,316.70 | <Collection: 0 items> | |
| 47 | SM-17 | 6,320.42 | 6,312.10 | <Collection: 0 items> | |
| 48 | SM-230 | 6,318.18 | 6,308.35 | <Collection: 0 items> | |
| 49 | SM-258 | 6,316.73 | 6,303.80 | <Collection: 0 items> | |
| 50 | SM-182 | 6,314.18 | 6,298.47 | <Collection: 0 items> | |
| 51 | SM-217 | 6,321.31 | 6,295.52 | <Collection: 0 items> | |
| 52 | SM-229 | 6,318.67 | 6,307.47 | <Collection: 0 items> | |
| 53 | SM-180 | 6,320.93 | 6,315.93 | <Collection: 0 items> | |
| 54 | SM-214 | 6,321.01 | 6,296.01 | <Collection: 0 items> | |
| 55 | SM-222 | 6,319.91 | 6,309.85 | <Collection: 0 items> | |
| 56 | SM-259 | 6,323.39 | 6,302.31 | <Collection: 0 items> | |
| 57 | SM-178 | 6,325.73 | 6,320.73 | <Collection: 0 items> | |
| 58 | SM-228 | 6,323.41 | 6,306.77 | <Collection: 0 items> | |
| 59 | SM-231 | 6,318.56 | 6,309.13 | <Collection: 0 items> | |
| 60 | SM-252 | 6,331.73 | 6,318.29 | <Collection: 0 items> | |
| 61 | SM-257 | 6,320.30 | 6,307.62 | <Collection: 0 items> | |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Invert) (ft) | Sanitary Loads | Notes |
|-----|--------|-------------------------------|-------------------------------|-----------------------|-------|
| 62 | SM-177 | 6,328.07 | 6,323.07 | <Collection: 0 items> | |
| 63 | SM-179 | 6,328.40 | 6,319.40 | <Collection: 0 items> | |
| 64 | SM-221 | 6,318.80 | 6,310.53 | <Collection: 0 items> | |
| 65 | SM-216 | 6,324.41 | 6,311.89 | <Collection: 0 items> | |
| 66 | SM-215 | 6,330.83 | 6,305.83 | <Collection: 0 items> | |
| 67 | SM-234 | 6,334.91 | 6,323.84 | <Collection: 1 item> | |
| 68 | SM-218 | 6,332.18 | 6,322.18 | <Collection: 0 items> | |
| 70 | SM-250 | 6,339.76 | 6,325.31 | <Collection: 0 items> | |
| 71 | SM-233 | 6,333.98 | 6,323.07 | <Collection: 0 items> | |
| 72 | SM-255 | 6,325.31 | 6,311.92 | <Collection: 0 items> | |
| 73 | SM-13 | 6,336.89 | 6,329.00 | <Collection: 0 items> | |
| 74 | SM-219 | 6,337.48 | 6,327.48 | <Collection: 0 items> | |
| 76 | SM-249 | 6,348.52 | 6,330.83 | <Collection: 0 items> | |
| 77 | SM-232 | 6,334.25 | 6,322.48 | <Collection: 0 items> | |
| 78 | SM-236 | 6,337.35 | 6,326.81 | <Collection: 1 item> | |
| 79 | SM-220 | 6,337.12 | 6,327.63 | <Collection: 1 item> | |
| 80 | SM-235 | 6,337.07 | 6,324.61 | <Collection: 1 item> | |
| 81 | SM-256 | 6,324.13 | 6,310.80 | <Collection: 0 items> | |
| 82 | SM-241 | 6,353.36 | 6,339.65 | <Collection: 0 items> | |
| 85 | SM-263 | 6,353.66 | 6,339.00 | <Collection: 1 item> | |
| 86 | SM-243 | 6,344.17 | 6,336.03 | <Collection: 0 items> | |
| 87 | SM-238 | 6,349.26 | 6,342.19 | <Collection: 0 items> | |
| 88 | SM-242 | 6,347.68 | 6,338.76 | <Collection: 0 items> | |
| 89 | SM-239 | 6,354.15 | 6,341.39 | <Collection: 0 items> | |
| 90 | SM-240 | 6,355.22 | 6,340.58 | <Collection: 0 items> | |
| 91 | SM-237 | 6,355.67 | 6,345.67 | <Collection: 0 items> | |
| 92 | SM-18 | 6,371.10 | 6,340.10 | <Collection: 0 items> | |
| 93 | SM-262 | 6,369.76 | 6,355.00 | <Collection: 1 item> | |
| 94 | SM-203 | 6,370.47 | 6,365.52 | <Collection: 0 items> | |
| 96 | SM-193 | 6,375.45 | 6,368.79 | <Collection: 0 items> | |
| 97 | SM-122 | 6,378.44 | 6,368.00 | <Collection: 0 items> | |
| 98 | SM-123 | 6,380.55 | 6,364.54 | <Collection: 1 item> | |
| 99 | SM-121 | 6,384.57 | 6,374.00 | <Collection: 1 item> | |
| 100 | SM-119 | 6,379.95 | 6,366.00 | <Collection: 1 item> | |
| 101 | SM-14 | 6,389.57 | 6,376.00 | <Collection: 0 items> | |
| 103 | SM-116 | 6,390.03 | 6,378.51 | <Collection: 1 item> | |
| 104 | SM-124 | 6,390.84 | 6,380.00 | <Collection: 0 items> | |
| 105 | SM-204 | 6,392.37 | 6,386.41 | <Collection: 0 items> | |
| 106 | SM-266 | 6,391.42 | 6,386.42 | <Collection: 1 item> | |
| 107 | SM-118 | 6,390.29 | 6,377.50 | <Collection: 1 item> | |
| 108 | SM-117 | 6,394.86 | 6,377.70 | <Collection: 1 item> | |
| 109 | SM-192 | 6,398.16 | 6,392.03 | <Collection: 1 item> | |
| 111 | SM-70 | 6,408.90 | 6,403.90 | <Collection: 0 items> | |
| 113 | SM-205 | 6,417.89 | 6,412.84 | <Collection: 0 items> | |
| 118 | SM-6 | 6,442.65 | 6,425.40 | <Collection: 1 item> | |
| 119 | SM-206 | 6,444.24 | 6,438.75 | <Collection: 0 items> | |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Invert) (ft) | Sanitary Loads | Notes |
|-----|--------|-------------------------------|-------------------------------|-----------------------|-------|
| 120 | SM-71 | 6,444.11 | 6,439.11 | <Collection: 0 items> | |
| 121 | SM-191 | 6,456.53 | 6,449.60 | <Collection: 0 items> | |
| 122 | SM-208 | 6,457.46 | 6,447.60 | <Collection: 0 items> | |
| 123 | SM-207 | 6,461.25 | 6,445.39 | <Collection: 0 items> | |
| 124 | SM-209 | 6,467.37 | 6,462.37 | <Collection: 0 items> | |
| 125 | SM-4 | 6,481.40 | 6,464.78 | <Collection: 0 items> | |
| 126 | SM-3 | 6,481.68 | 6,465.90 | <Collection: 0 items> | |
| 127 | SM-5 | 6,487.10 | 6,474.29 | <Collection: 0 items> | |
| 128 | SM-66 | 6,493.69 | 6,488.69 | <Collection: 0 items> | |
| 129 | SM-0 | 6,501.25 | 6,496.25 | <Collection: 0 items> | |
| 130 | SM-7 | 6,499.79 | 6,485.25 | <Collection: 1 item> | |
| 131 | SM-8 | 6,503.83 | 6,490.52 | <Collection: 1 item> | |
| 132 | SM-1 | 6,505.88 | 6,492.19 | <Collection: 0 items> | |
| 136 | SM-65 | 6,513.44 | 6,508.44 | <Collection: 0 items> | |
| 137 | SM-64 | 6,518.60 | 6,513.60 | <Collection: 0 items> | |
| 139 | SM-190 | 6,521.62 | 6,515.41 | <Collection: 0 items> | |
| 140 | SM-202 | 6,520.66 | 6,515.75 | <Collection: 0 items> | |
| 141 | SM-9 | 6,524.92 | 6,512.00 | <Collection: 1 item> | |
| 142 | SM-10 | 6,525.37 | 6,512.88 | <Collection: 1 item> | |
| 143 | SM-11 | 6,526.12 | 6,514.10 | <Collection: 1 item> | |
| 144 | SM-12 | 6,526.80 | 6,515.25 | <Collection: 0 items> | |
| 145 | SM-63 | 6,530.25 | 6,525.25 | <Collection: 0 items> | |
| 147 | SM-174 | 6,537.81 | 6,532.81 | <Collection: 0 items> | |
| 148 | SM-159 | 6,540.94 | 6,514.86 | <Collection: 0 items> | |
| 149 | SM-189 | 6,545.31 | 6,538.99 | <Collection: 0 items> | |
| 150 | SM-161 | 6,550.39 | 6,545.39 | <Collection: 0 items> | |
| 151 | SM-19 | 6,554.09 | 6,546.49 | <Collection: 0 items> | |
| 152 | SM-20 | 6,555.52 | 6,546.85 | <Collection: 1 item> | |
| 153 | SM-167 | 6,556.15 | 6,551.15 | <Collection: 0 items> | |
| 154 | SM-29 | 6,560.26 | 6,550.79 | <Collection: 0 items> | |
| 155 | SM-28 | 6,560.00 | 6,549.89 | <Collection: 0 items> | |
| 156 | SM-168 | 6,559.97 | 6,554.97 | <Collection: 0 items> | |
| 157 | SM-27 | 6,562.38 | 6,549.02 | <Collection: 1 item> | |
| 158 | SM-26 | 6,563.79 | 6,548.06 | <Collection: 1 item> | |
| 159 | SM-24 | 6,564.90 | 6,553.14 | <Collection: 1 item> | |
| 160 | SM-25 | 6,565.73 | 6,559.26 | <Collection: 1 item> | |
| 161 | SM-163 | 6,564.83 | 6,559.83 | <Collection: 0 items> | |
| 162 | SM-172 | 6,565.83 | 6,560.83 | <Collection: 0 items> | |
| 163 | SM-23 | 6,571.53 | 6,560.03 | <Collection: 0 items> | |
| 164 | SM-22 | 6,573.51 | 6,564.01 | <Collection: 1 item> | |
| 165 | SM-21 | 6,573.56 | 6,563.56 | <Collection: 1 item> | |
| 166 | SM-62 | 6,574.55 | 6,562.00 | <Collection: 0 items> | |
| 167 | SM-162 | 6,575.48 | 6,570.48 | <Collection: 0 items> | |
| 168 | SM-201 | 6,577.44 | 6,572.51 | <Collection: 0 items> | |
| 169 | SM-169 | 6,580.38 | 6,570.38 | <Collection: 0 items> | |
| 170 | SM-187 | 6,581.90 | 6,575.90 | <Collection: 0 items> | |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Invert) (ft) | Sanitary Loads | Notes |
|-----|--------|-------------------------------|-------------------------------|-----------------------|-------|
| 171 | SM-30 | 6,588.00 | 6,579.00 | <Collection: 1 item> | |
| 172 | SM-188 | 6,583.38 | 6,577.24 | <Collection: 0 items> | |
| 173 | SM-35 | 6,591.40 | 6,584.40 | <Collection: 1 item> | |
| 174 | SM-61 | 6,586.24 | 6,581.24 | <Collection: 0 items> | |
| 175 | SM-36 | 6,589.00 | 6,582.00 | <Collection: 1 item> | |
| 176 | SM-52 | 6,589.07 | 6,584.07 | <Collection: 0 items> | |
| 177 | SM-60 | 6,589.24 | 6,584.24 | <Collection: 1 item> | |
| 178 | SM-186 | 6,592.25 | 6,586.18 | <Collection: 0 items> | |
| 180 | SM-31 | 6,605.00 | 6,596.00 | <Collection: 1 item> | |
| 181 | SM-170 | 6,600.08 | 6,585.08 | <Collection: 0 items> | |
| 182 | SM-53 | 6,601.62 | 6,596.62 | <Collection: 1 item> | |
| 183 | SM-44 | 6,601.69 | 6,596.69 | <Collection: 1 item> | |
| 184 | SM-32 | 6,610.00 | 6,601.00 | <Collection: 1 item> | |
| 185 | SM-43 | 6,601.87 | 6,595.69 | <Collection: 0 items> | |
| 186 | SM-42 | 6,602.42 | 6,595.42 | <Collection: 0 items> | |
| 187 | SM-37 | 6,602.69 | 6,597.69 | <Collection: 0 items> | |
| 188 | SM-38 | 6,604.44 | 6,599.44 | <Collection: 0 items> | |
| 190 | SM-157 | 6,604.70 | 6,599.70 | <Collection: 0 items> | |
| 191 | SM-156 | 6,604.81 | 6,598.70 | <Collection: 0 items> | |
| 192 | SM-41 | 6,605.52 | 6,588.83 | <Collection: 0 items> | |
| 193 | SM-39 | 6,605.57 | 6,600.57 | <Collection: 1 item> | |
| 194 | SM-40 | 6,605.63 | 6,587.83 | <Collection: 0 items> | |
| 195 | SM-150 | 6,607.80 | 6,602.80 | <Collection: 0 items> | |
| 196 | SM-149 | 6,609.33 | 6,604.33 | <Collection: 0 items> | |
| 197 | SM-148 | 6,609.52 | 6,606.40 | <Collection: 0 items> | |
| 198 | SM-158 | 6,612.90 | 6,607.90 | <Collection: 0 items> | |
| 199 | SM-200 | 6,613.42 | 6,608.08 | <Collection: 0 items> | |
| 200 | SM-171 | 6,614.78 | 6,597.70 | <Collection: 0 items> | |
| 201 | SM-147 | 6,617.28 | 6,611.23 | <Collection: 0 items> | |
| 202 | SM-33 | 6,621.00 | 6,611.80 | <Collection: 1 item> | |
| 203 | SM-127 | 6,617.61 | 6,612.61 | <Collection: 1 item> | |
| 204 | SM-126 | 6,619.53 | 6,614.53 | <Collection: 0 items> | |
| 205 | SM-59 | 6,619.88 | 6,614.88 | <Collection: 1 item> | |
| 206 | SM-55 | 6,620.77 | 6,615.77 | <Collection: 1 item> | |
| 208 | SM-56 | 6,621.80 | 6,616.80 | <Collection: 1 item> | |
| 209 | SM-125 | 6,625.53 | 6,620.53 | <Collection: 1 item> | |
| 210 | SM-146 | 6,627.59 | 6,622.59 | <Collection: 0 items> | |
| 211 | SM-210 | 6,628.23 | 6,623.20 | <Collection: 1 item> | |
| 212 | SM-48 | 6,630.93 | 6,625.93 | <Collection: 1 item> | |
| 213 | SM-34 | 6,625.50 | 6,612.81 | <Collection: 1 item> | |
| 214 | SM-184 | 6,633.93 | 6,627.39 | <Collection: 0 items> | |
| 215 | SM-58 | 6,634.15 | 6,629.15 | <Collection: 0 items> | |
| 216 | SM-185 | 6,644.15 | 6,638.16 | <Collection: 0 items> | |
| 217 | SM-128 | 6,643.18 | 6,638.18 | <Collection: 0 items> | |
| 218 | SM-54 | 6,650.00 | 6,628.00 | <Collection: 1 item> | |
| 220 | SM-57 | 6,652.55 | 6,647.55 | <Collection: 1 item> | |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Invert) (ft) | Sanitary Loads | Notes |
|-----|--------|-------------------------------|-------------------------------|-----------------------|--------------------|
| 221 | SM-144 | 6,653.77 | 6,648.77 | <Collection: 0 items> | includes town hall |
| 223 | SM-199 | 6,657.71 | 6,652.63 | <Collection: 0 items> | |
| 225 | SM-145 | 6,659.54 | 6,654.54 | <Collection: 1 item> | |
| 226 | SM-49 | 6,661.36 | 6,656.36 | <Collection: 1 item> | |
| 230 | SM-197 | 6,675.72 | 6,670.42 | <Collection: 0 items> | |
| 231 | SM-132 | 6,675.90 | 6,670.90 | <Collection: 1 item> | |
| 232 | SM-183 | 6,677.68 | 6,671.42 | <Collection: 0 items> | |
| 233 | SM-131 | 6,676.67 | 6,671.67 | <Collection: 1 item> | |
| 234 | SM-130 | 6,680.84 | 6,675.84 | <Collection: 1 item> | |
| 236 | SM-143 | 6,683.84 | 6,678.84 | <Collection: 1 item> | |
| 237 | SM-47 | 6,685.50 | 6,680.50 | <Collection: 0 items> | |
| 238 | SM-140 | 6,696.20 | 6,691.20 | <Collection: 0 items> | |
| 239 | SM-138 | 6,700.08 | 6,693.73 | <Collection: 0 items> | |
| 240 | SM-50 | 6,701.06 | 6,680.06 | <Collection: 0 items> | |
| 241 | SM-129 | 6,709.36 | 6,704.36 | <Collection: 1 item> | |
| 242 | SM-51 | 6,713.53 | 6,708.53 | <Collection: 0 items> | |
| 243 | SM-198 | 6,714.82 | 6,709.82 | <Collection: 0 items> | |
| 244 | SM-142 | 6,718.84 | 6,713.84 | <Collection: 0 items> | |
| 245 | SM-137 | 6,721.62 | 6,715.54 | <Collection: 0 items> | |
| 246 | SM-141 | 6,726.29 | 6,721.29 | <Collection: 0 items> | |
| 247 | SM-134 | 6,729.25 | 6,724.25 | <Collection: 0 items> | |
| 248 | SM-139 | 6,730.42 | 6,725.42 | <Collection: 0 items> | |
| 249 | SM-133 | 6,734.22 | 6,723.22 | <Collection: 1 item> | |
| 250 | SM-135 | 6,738.16 | 6,733.16 | <Collection: 0 items> | |
| 251 | SM-114 | 6,747.33 | 6,742.33 | <Collection: 0 items> | |
| 252 | SM-115 | 6,750.25 | 6,739.25 | <Collection: 1 item> | |
| 253 | SM-136 | 6,754.75 | 6,745.75 | <Collection: 1 item> | |
| 254 | SM-113 | 6,754.91 | 6,749.91 | <Collection: 0 items> | |
| 255 | SM-89 | 6,758.60 | 6,747.26 | <Collection: 1 item> | |
| 256 | SM-90 | 6,760.32 | 6,747.75 | <Collection: 0 items> | |
| 258 | SM-92 | 6,761.47 | 6,756.47 | <Collection: 1 item> | |
| 259 | SM-94 | 6,763.19 | 6,758.19 | <Collection: 0 items> | |
| 260 | SM-91 | 6,764.81 | 6,754.68 | <Collection: 0 items> | |
| 261 | SM-95 | 6,765.05 | 6,760.05 | <Collection: 1 item> | |
| 262 | SM-93 | 6,768.28 | 6,757.85 | <Collection: 1 item> | |
| 263 | SM-112 | 6,769.00 | 6,764.00 | <Collection: 1 item> | |
| 264 | SM-77 | 6,771.27 | 6,766.27 | <Collection: 1 item> | |
| 265 | SM-76 | 6,774.67 | 6,769.67 | <Collection: 0 items> | |
| 267 | SM-88 | 6,781.55 | 6,768.59 | <Collection: 1 item> | |
| 268 | SM-87 | 6,786.30 | 6,775.16 | <Collection: 1 item> | |
| 269 | SM-86 | 6,787.51 | 6,775.71 | <Collection: 1 item> | |
| 270 | SM-85 | 6,788.37 | 6,776.40 | <Collection: 1 item> | |
| 271 | SM-84 | 6,790.05 | 6,777.66 | <Collection: 1 item> | |
| 272 | SM-72 | 6,795.96 | 6,784.36 | <Collection: 0 items> | |
| 273 | SM-75 | 6,796.91 | 6,786.73 | <Collection: 0 items> | |
| 274 | SM-78 | 6,797.48 | 6,787.38 | <Collection: 1 item> | |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Invert) (ft) | Sanitary Loads | Notes |
|------|--------|-------------------------------|-------------------------------|-----------------------|-------|
| 275 | SM-73 | 6,797.53 | 6,786.19 | <Collection: 0 items> | |
| 276 | SM-74 | 6,799.35 | 6,789.07 | <Collection: 0 items> | |
| 277 | SM-79 | 6,800.00 | 6,788.03 | <Collection: 1 item> | |
| 278 | SM-96 | 6,802.56 | 6,792.26 | <Collection: 1 item> | |
| 281 | SM-102 | 6,803.63 | 6,798.63 | <Collection: 1 item> | |
| 282 | SM-97 | 6,805.64 | 6,795.27 | <Collection: 1 item> | |
| 284 | SM-196 | 6,821.60 | 6,794.95 | <Collection: 0 items> | |
| 285 | SM-109 | 6,825.27 | 6,820.27 | <Collection: 1 item> | |
| 286 | SM-80 | 6,826.40 | 6,814.53 | <Collection: 0 items> | |
| 287 | SM-81 | 6,826.78 | 6,815.05 | <Collection: 1 item> | |
| 288 | SM-108 | 6,833.54 | 6,828.54 | <Collection: 0 items> | |
| 289 | SM-111 | 6,837.67 | 6,832.67 | <Collection: 0 items> | |
| 290 | SM-110 | 6,841.21 | 6,836.21 | <Collection: 1 item> | |
| 291 | SM-98 | 6,842.27 | 6,832.98 | <Collection: 1 item> | |
| 292 | SM-100 | 6,845.48 | 6,834.46 | <Collection: 1 item> | |
| 293 | SM-99 | 6,846.30 | 6,834.02 | <Collection: 1 item> | |
| 294 | SM-107 | 6,852.77 | 6,847.77 | <Collection: 1 item> | |
| 295 | SM-195 | 6,869.20 | 6,836.26 | <Collection: 0 items> | |
| 296 | SM-105 | 6,870.03 | 6,865.03 | <Collection: 1 item> | |
| 297 | SM-103 | 6,910.19 | 6,905.19 | <Collection: 0 items> | |
| 298 | SM-106 | 6,912.36 | 6,907.36 | <Collection: 0 items> | |
| 299 | SM-104 | 6,914.83 | 6,909.83 | <Collection: 0 items> | |
| 413 | MH-2 | 6,586.91 | 6,581.91 | <Collection: 0 items> | |
| 547 | MH-4 | 6,669.91 | 6,664.91 | <Collection: 0 items> | |
| 609 | SM-248 | 6,351.82 | 6,336.31 | <Collection: 0 items> | |
| 626 | MH-6 | 6,708.18 | 6,700.00 | <Collection: 0 items> | |
| 1152 | MH-7 | 6,590.71 | 6,585.71 | <Collection: 1 item> | |
| 1154 | MH-8 | 6,589.00 | 6,564.51 | <Collection: 1 item> | |
| 1187 | MH-31 | 6,362.87 | 6,356.85 | <Collection: 1 item> | |
| 1188 | MH-32 | 6,365.03 | 6,355.47 | <Collection: 1 item> | |
| 1189 | MH-33 | 6,373.07 | 6,366.89 | <Collection: 1 item> | |
| 1190 | MH-34 | 6,365.71 | 6,359.52 | <Collection: 0 items> | |
| 1191 | MH-35 | 6,372.08 | 6,364.00 | <Collection: 0 items> | |
| 1192 | MH-36 | 6,373.51 | 6,367.56 | <Collection: 1 item> | |
| 1193 | MH-37 | 6,383.75 | 6,375.02 | <Collection: 0 items> | |
| 1194 | MH-38 | 6,383.93 | 6,376.06 | <Collection: 0 items> | |
| 1195 | MH-39 | 6,410.39 | 6,403.62 | <Collection: 0 items> | |
| 1197 | MH-41 | 6,428.72 | 6,422.99 | <Collection: 0 items> | |
| 1198 | MH-42 | 6,439.20 | 6,433.62 | <Collection: 0 items> | |
| 1199 | MH-43 | 6,444.13 | 6,438.38 | <Collection: 0 items> | |
| 1200 | MH-44 | 6,449.75 | 6,445.58 | <Collection: 0 items> | |
| 1206 | MH-9 | 6,415.89 | 6,410.89 | <Collection: 0 items> | |
| 1207 | MH-10 | 6,434.99 | 6,429.99 | <Collection: 0 items> | |
| 1208 | MH-11 | 6,446.84 | 6,441.84 | <Collection: 0 items> | |
| 1217 | MH-12 | 6,353.73 | 6,340.00 | <Collection: 0 items> | |
| 1450 | MH-26 | 6,782.92 | 6,752.86 | <Collection: 0 items> | |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Invert) (ft) | Sanitary Loads | Notes |
|------------------------------|----------------------------------|--------------------------------------|--|-----------------------|-------|
| 1452 | MH-27 | 6,532.47 | 6,507.18 | <Collection: 0 items> | |
| 1455 | MH-29 | 6,299.57 | 6,266.00 | <Collection: 1 item> | |
| 1464 | MH-33 | 6,508.43 | 6,483.43 | <Collection: 0 items> | |
| 1465 | MH-34 | 6,428.00 | 6,423.00 | <Collection: 0 items> | |
| 1470 | MH-36 | 6,342.82 | 6,320.00 | <Collection: 0 items> | |
| 1471 | MH-37 | 6,372.00 | 6,350.00 | <Collection: 0 items> | |
| 1476 | MH-39 | 6,375.00 | 6,336.00 | <Collection: 0 items> | |
| 1494 | MH-46 | 6,327.60 | 6,322.60 | <Collection: 0 items> | |
| 1497 | MH-47 | 6,417.00 | 6,326.00 | <Collection: 0 items> | |
| 1518 | MH-50 | 6,594.83 | 6,589.83 | <Collection: 0 items> | |
| Flow (Local In) (gal/min) | Flow (Total Out) (gal/min) | Hydraulic Grade Line (In) (ft) | Hydraulic Grade Line (Out) (ft) | Is Active? | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | |
| 0.00 | 3.36 | 6,263.34 | 6,263.14 | True | |
| 0.00 | 3.36 | 6,265.21 | 6,264.81 | True | |
| 0.00 | 0.00 | 6,282.38 | 6,282.38 | True | |
| (N/A) | 3.36 | 6,289.04 | 6,288.74 | True | |
| 0.00 | 3.36 | 6,294.34 | 6,294.04 | True | |
| 0.00 | 0.00 | 6,299.27 | 6,299.27 | True | |
| 0.00 | 0.00 | 6,302.62 | 6,302.62 | True | |
| 0.00 | 0.00 | 6,313.39 | 6,313.19 | True | |
| (N/A) | 41.04 | 6,303.69 | 6,303.69 | True | |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| Flow (Local In) (gal/min) | Flow (Total Out) (gal/min) | Hydraulic Grade Line (In) (ft) | Hydraulic Grade Line (Out) (ft) | Is Active? |
|------------------------------|----------------------------------|--------------------------------------|--|------------|
| 0.00 | 41.04 | 6,305.35 | 6,305.35 | True |
| 0.00 | 0.00 | 6,300.50 | 6,300.50 | True |
| 0.00 | 0.00 | 6,301.77 | 6,301.57 | True |
| 0.00 | 394.36 | 6,300.59 | 6,299.75 | True |
| 0.00 | 32.64 | 6,311.39 | 6,311.39 | True |
| 0.00 | 0.00 | 6,316.90 | 6,316.70 | True |
| 0.00 | 32.64 | 6,312.11 | 6,312.11 | True |
| 0.00 | 0.00 | 6,308.55 | 6,308.35 | True |
| 0.00 | 0.00 | 6,304.00 | 6,303.80 | True |
| 51.85 | 201.74 | 6,298.95 | 6,298.95 | True |
| 0.00 | 0.00 | 6,312.51 | 6,312.31 | True |
| 0.00 | 0.00 | 6,307.67 | 6,307.47 | True |
| 0.00 | 49.44 | 6,315.95 | 6,315.95 | True |
| 0.00 | 0.00 | 6,310.00 | 6,310.00 | True |
| 0.00 | 0.00 | 6,310.05 | 6,309.85 | True |
| 0.00 | 0.00 | 6,302.51 | 6,302.31 | True |
| 0.00 | 49.44 | 6,320.75 | 6,320.75 | True |
| 0.00 | 3.36 | 6,307.38 | 6,306.78 | True |
| 0.00 | 0.00 | 6,309.33 | 6,309.13 | True |
| 0.00 | 0.00 | 6,321.68 | 6,318.29 | True |
| 0.00 | 0.00 | 6,307.82 | 6,307.62 | True |
| 0.00 | 0.00 | 6,323.07 | 6,323.07 | True |
| 0.00 | 49.44 | 6,319.42 | 6,319.42 | True |
| 0.00 | 0.00 | 6,310.53 | 6,310.53 | True |
| 0.00 | 0.00 | 6,312.09 | 6,311.89 | True |
| 0.00 | 0.00 | 6,310.37 | 6,310.37 | True |
| 0.97 | 3.43 | 6,324.05 | 6,323.86 | True |
| 0.00 | 0.00 | 6,322.48 | 6,322.18 | True |
| 0.00 | 0.00 | 6,325.51 | 6,325.31 | True |
| 0.00 | 3.36 | 6,323.28 | 6,323.09 | True |
| 0.00 | 0.00 | 6,312.12 | 6,311.92 | True |
| 0.00 | 8.40 | 6,329.01 | 6,329.01 | True |
| 0.00 | 0.00 | 6,327.78 | 6,327.48 | True |
| 0.00 | 0.00 | 6,331.03 | 6,330.83 | True |
| 0.00 | 3.36 | 6,323.08 | 6,322.49 | True |
| 0.96 | 1.44 | 6,326.81 | 6,326.82 | True |
| 0.48 | 0.48 | 6,327.63 | 6,327.63 | True |
| 0.99 | 2.45 | 6,324.82 | 6,324.62 | True |
| 0.00 | 0.00 | 6,311.00 | 6,310.80 | True |
| 0.00 | 0.00 | 6,339.85 | 6,339.65 | True |
| 7.68 | 29.28 | 6,339.26 | 6,339.07 | True |
| 0.00 | 0.00 | 6,336.23 | 6,336.03 | True |
| 0.00 | 0.00 | 6,342.19 | 6,342.19 | True |
| 0.00 | 0.00 | 6,338.96 | 6,338.76 | True |
| 0.00 | 0.00 | 6,341.59 | 6,341.39 | True |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| Flow (Local In) (gal/min) | Flow (Total Out) (gal/min) | Hydraulic Grade Line (In) (ft) | Hydraulic Grade Line (Out) (ft) | Is Active? |
|------------------------------|----------------------------------|--------------------------------------|--|------------|
| 0.00 | 0.00 | 6,340.78 | 6,340.58 | True |
| (N/A) | 0.00 | 6,345.67 | 6,345.67 | True |
| 0.00 | 32.64 | 6,340.11 | 6,340.11 | True |
| 7.68 | 21.60 | 6,355.24 | 6,355.06 | True |
| 0.00 | 32.64 | 6,365.53 | 6,365.53 | True |
| 0.00 | 32.64 | 6,368.80 | 6,368.80 | True |
| 0.00 | 2.41 | 6,368.21 | 6,368.01 | True |
| 5.76 | 13.92 | 6,372.72 | 6,364.58 | True |
| 2.40 | 2.40 | 6,374.20 | 6,374.01 | True |
| 8.64 | 20.16 | 6,366.21 | 6,366.06 | True |
| 0.00 | 8.40 | 6,376.01 | 6,376.01 | True |
| 2.88 | 2.88 | 6,378.53 | 6,378.53 | True |
| 0.00 | 0.00 | 6,380.00 | 6,380.00 | True |
| 0.00 | 3.12 | 6,386.42 | 6,386.42 | True |
| 5.76 | 5.76 | 6,386.43 | 6,386.43 | True |
| 2.88 | 11.52 | 6,377.73 | 6,377.51 | True |
| 5.76 | 5.76 | 6,377.73 | 6,377.73 | True |
| 0.24 | 29.52 | 6,392.04 | 6,392.04 | True |
| 0.00 | 29.28 | 6,403.91 | 6,403.91 | True |
| 0.00 | 3.12 | 6,412.86 | 6,412.86 | True |
| (N/A) | 8.40 | 6,425.41 | 6,425.41 | True |
| 0.00 | 3.12 | 6,438.76 | 6,438.76 | True |
| 0.00 | 29.28 | 6,439.12 | 6,439.12 | True |
| 0.00 | 3.12 | 6,449.61 | 6,449.61 | True |
| 0.00 | 3.12 | 6,447.61 | 6,447.61 | True |
| 0.00 | 3.12 | 6,445.41 | 6,445.41 | True |
| 0.00 | 3.12 | 6,462.38 | 6,462.38 | True |
| 0.00 | 7.68 | 6,464.81 | 6,464.79 | True |
| 0.00 | 7.68 | 6,465.93 | 6,465.93 | True |
| 0.00 | 7.68 | 6,474.31 | 6,474.31 | True |
| 0.00 | 29.28 | 6,488.70 | 6,488.70 | True |
| 0.00 | 0.00 | 6,497.16 | 6,497.16 | True |
| 0.48 | 7.68 | 6,485.27 | 6,485.27 | True |
| (N/A) | 7.20 | 6,490.72 | 6,490.54 | True |
| 0.00 | 0.00 | 6,492.19 | 6,492.19 | True |
| 0.00 | 29.28 | 6,508.45 | 6,508.45 | True |
| 0.00 | 29.28 | 6,513.61 | 6,513.61 | True |
| 0.00 | 3.12 | 6,515.42 | 6,515.42 | True |
| 0.00 | 29.28 | 6,515.75 | 6,515.76 | True |
| 0.48 | 6.96 | 6,512.04 | 6,512.02 | True |
| 0.48 | 6.48 | 6,512.92 | 6,512.92 | True |
| 0.24 | 6.00 | 6,514.13 | 6,514.12 | True |
| (N/A) | 5.76 | 6,515.28 | 6,515.28 | True |
| 0.00 | 0.00 | 6,525.25 | 6,525.25 | True |
| (N/A) | 0.00 | 6,532.81 | 6,532.81 | True |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| Flow (Local In) (gal/min) | Flow (Total Out) (gal/min) | Hydraulic Grade Line (In) (ft) | Hydraulic Grade Line (Out) (ft) | Is Active? |
|------------------------------|----------------------------------|--------------------------------------|--|------------|
| 0.00 | 0.00 | 6,514.86 | 6,514.86 | True |
| 0.00 | 3.12 | 6,539.00 | 6,539.00 | True |
| 0.00 | 0.00 | 6,545.39 | 6,545.39 | True |
| 0.00 | 5.76 | 6,548.71 | 6,546.51 | True |
| 0.48 | 1.44 | 6,547.05 | 6,546.86 | True |
| 0.00 | 0.00 | 6,551.15 | 6,551.15 | True |
| 0.00 | 4.55 | 6,552.80 | 6,550.80 | True |
| 0.00 | 4.57 | 6,550.10 | 6,549.91 | True |
| 0.00 | 0.00 | 6,554.97 | 6,554.97 | True |
| 0.49 | 4.95 | 6,549.23 | 6,549.04 | True |
| 0.67 | 10.32 | 6,548.47 | 6,548.07 | True |
| 1.65 | 4.56 | 6,553.34 | 6,553.15 | True |
| 0.76 | 2.29 | 6,559.27 | 6,559.27 | True |
| 0.00 | 0.00 | 6,559.83 | 6,559.83 | True |
| 0.00 | 0.00 | 6,560.83 | 6,560.83 | True |
| 0.00 | 0.48 | 6,560.23 | 6,560.03 | True |
| 0.48 | 0.48 | 6,564.01 | 6,564.01 | True |
| 0.96 | 0.96 | 6,563.56 | 6,563.56 | True |
| 0.00 | 29.28 | 6,562.01 | 6,562.01 | True |
| 0.00 | 0.00 | 6,570.48 | 6,570.48 | True |
| 0.00 | 29.28 | 6,572.52 | 6,572.52 | True |
| 0.00 | 0.00 | 6,570.38 | 6,570.38 | True |
| 0.00 | 3.12 | 6,575.90 | 6,575.91 | True |
| 1.44 | 4.35 | 6,579.51 | 6,579.01 | True |
| 0.00 | 0.00 | 6,577.24 | 6,577.24 | True |
| 0.48 | 0.96 | 6,584.60 | 6,584.40 | True |
| 0.00 | 0.24 | 6,581.24 | 6,581.24 | True |
| 0.48 | 1.44 | 6,582.21 | 6,582.01 | True |
| 0.00 | 2.40 | 6,584.08 | 6,584.08 | True |
| 0.24 | 0.24 | 6,584.24 | 6,584.24 | True |
| 0.00 | 3.12 | 6,586.19 | 6,586.19 | True |
| 0.48 | 2.40 | 6,596.02 | 6,596.02 | True |
| 0.00 | 0.00 | 6,585.08 | 6,585.08 | True |
| 0.72 | 2.40 | 6,596.63 | 6,596.63 | True |
| 0.48 | 24.00 | 6,596.70 | 6,596.70 | True |
| 0.48 | 1.92 | 6,601.21 | 6,601.01 | True |
| 0.00 | 24.00 | 6,595.71 | 6,595.71 | True |
| 0.00 | 24.00 | 6,595.43 | 6,595.43 | True |
| 0.00 | 23.52 | 6,597.73 | 6,597.73 | True |
| 0.00 | 23.52 | 6,599.51 | 6,599.51 | True |
| 0.00 | 0.00 | 6,599.70 | 6,599.70 | True |
| 0.00 | 0.00 | 6,598.70 | 6,598.70 | True |
| 0.00 | 24.00 | 6,588.83 | 6,588.84 | True |
| 0.96 | 2.64 | 6,600.58 | 6,600.58 | True |
| 0.00 | 26.64 | 6,587.85 | 6,587.85 | True |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| Flow (Local In) (gal/min) | Flow (Total Out) (gal/min) | Hydraulic Grade Line (In) (ft) | Hydraulic Grade Line (Out) (ft) | Is Active? |
|------------------------------|----------------------------------|--------------------------------------|--|------------|
| 0.00 | 23.52 | 6,602.86 | 6,602.86 | True |
| 0.00 | 23.52 | 6,604.35 | 6,604.35 | True |
| 0.00 | 0.00 | 6,606.40 | 6,606.40 | True |
| (N/A) | 0.00 | 6,607.90 | 6,607.90 | True |
| 0.00 | 4.32 | 6,608.09 | 6,608.09 | True |
| 0.00 | 0.00 | 6,597.70 | 6,597.70 | True |
| 0.00 | 23.52 | 6,611.24 | 6,611.24 | True |
| 0.96 | 1.44 | 6,612.00 | 6,611.81 | True |
| 0.24 | 3.12 | 6,612.62 | 6,612.62 | True |
| 0.00 | 0.48 | 6,614.53 | 6,614.53 | True |
| 0.24 | 0.96 | 6,614.88 | 6,614.88 | True |
| 0.24 | 0.72 | 6,615.77 | 6,615.77 | True |
| 0.48 | 0.48 | 6,616.80 | 6,616.80 | True |
| 0.48 | 0.48 | 6,620.53 | 6,620.53 | True |
| 0.00 | 23.52 | 6,622.60 | 6,622.60 | True |
| 0.24 | 0.24 | 6,623.20 | 6,623.20 | True |
| 1.20 | 1.68 | 6,625.94 | 6,625.94 | True |
| 0.48 | 0.48 | 6,612.81 | 6,612.81 | True |
| 0.00 | 2.16 | 6,627.40 | 6,627.40 | True |
| 0.00 | 0.00 | 6,629.15 | 6,629.15 | True |
| 0.00 | 0.00 | 6,638.16 | 6,638.16 | True |
| 0.00 | 2.16 | 6,638.19 | 6,638.19 | True |
| 0.48 | 0.72 | 6,628.00 | 6,628.00 | True |
| 0.24 | 0.24 | 6,647.55 | 6,647.55 | True |
| 0.00 | 0.00 | 6,648.77 | 6,648.77 | True |
| (N/A) | 4.32 | 6,652.65 | 6,652.64 | True |
| 0.48 | 23.52 | 6,654.55 | 6,654.55 | True |
| 0.48 | 0.48 | 6,656.36 | 6,656.36 | True |
| 0.00 | 1.20 | 6,670.42 | 6,670.42 | True |
| 0.24 | 2.16 | 6,670.91 | 6,670.91 | True |
| 0.00 | 0.00 | 6,671.42 | 6,671.42 | True |
| 0.24 | 1.92 | 6,671.68 | 6,671.68 | True |
| 0.96 | 1.68 | 6,675.84 | 6,675.85 | True |
| 1.44 | 23.04 | 6,678.85 | 6,678.85 | True |
| 0.00 | 0.00 | 6,680.50 | 6,680.50 | True |
| 0.00 | 0.00 | 6,691.20 | 6,691.20 | True |
| 0.00 | 0.00 | 6,693.73 | 6,693.73 | True |
| 0.00 | 0.00 | 6,680.06 | 6,680.06 | True |
| 0.48 | 0.72 | 6,704.36 | 6,704.36 | True |
| 0.00 | 0.00 | 6,708.53 | 6,708.53 | True |
| 0.00 | 1.20 | 6,709.82 | 6,709.82 | True |
| 0.00 | 21.60 | 6,713.88 | 6,713.88 | True |
| 0.00 | 0.00 | 6,715.54 | 6,715.54 | True |
| 0.00 | 21.60 | 6,721.33 | 6,721.33 | True |
| 0.00 | 0.00 | 6,724.25 | 6,724.25 | True |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| Flow (Local In) (gal/min) | Flow (Total Out) (gal/min) | Hydraulic Grade Line (In) (ft) | Hydraulic Grade Line (Out) (ft) | Is Active? |
|------------------------------|----------------------------------|--------------------------------------|--|------------|
| 0.00 | 21.60 | 6,725.46 | 6,725.46 | True |
| 0.24 | 0.24 | 6,723.22 | 6,723.22 | True |
| 0.00 | 21.60 | 6,733.17 | 6,733.17 | True |
| 0.00 | 3.22 | 6,742.34 | 6,742.34 | True |
| 0.96 | 1.20 | 6,739.25 | 6,739.25 | True |
| 0.48 | 21.60 | 6,745.79 | 6,745.79 | True |
| 0.00 | 3.22 | 6,749.92 | 6,749.92 | True |
| 1.73 | 21.12 | 6,747.47 | 6,747.33 | True |
| 0.00 | 5.31 | 6,748.05 | 6,747.77 | True |
| 0.96 | 13.92 | 6,756.48 | 6,756.48 | True |
| 0.00 | 12.96 | 6,758.20 | 6,758.20 | True |
| 0.00 | 5.28 | 6,755.06 | 6,754.69 | True |
| 0.48 | 12.96 | 6,760.06 | 6,760.06 | True |
| 0.24 | 5.28 | 6,758.22 | 6,757.86 | True |
| 0.24 | 3.22 | 6,764.01 | 6,764.01 | True |
| 0.96 | 12.48 | 6,766.28 | 6,766.28 | True |
| 0.00 | 11.52 | 6,769.68 | 6,769.68 | True |
| 0.72 | 5.04 | 6,768.92 | 6,768.60 | True |
| 0.96 | 4.32 | 6,775.37 | 6,775.17 | True |
| 0.96 | 3.36 | 6,775.92 | 6,775.73 | True |
| 1.92 | 2.40 | 6,776.60 | 6,776.41 | True |
| 0.48 | 0.48 | 6,777.66 | 6,777.66 | True |
| 0.00 | 11.52 | 6,784.97 | 6,784.37 | True |
| 0.00 | 7.44 | 6,786.94 | 6,786.77 | True |
| 0.59 | 8.13 | 6,787.59 | 6,787.43 | True |
| 0.00 | 11.52 | 6,786.50 | 6,786.20 | True |
| 0.00 | 7.13 | 6,789.35 | 6,789.08 | True |
| 2.05 | 8.42 | 6,788.24 | 6,788.07 | True |
| 0.45 | 7.41 | 6,792.57 | 6,792.27 | True |
| 0.48 | 2.98 | 6,798.64 | 6,798.64 | True |
| 2.50 | 6.95 | 6,795.65 | 6,795.28 | True |
| 0.00 | 0.00 | 6,794.95 | 6,794.95 | True |
| 0.10 | 2.26 | 6,820.29 | 6,820.29 | True |
| 0.06 | 5.72 | 6,814.74 | 6,814.54 | True |
| 2.37 | 5.73 | 6,815.08 | 6,815.08 | True |
| 0.00 | 0.24 | 6,828.54 | 6,828.54 | True |
| 0.00 | 0.24 | 6,832.67 | 6,832.67 | True |
| 0.00 | 0.96 | 6,836.21 | 6,836.21 | True |
| 1.98 | 3.42 | 6,833.19 | 6,832.99 | True |
| 0.48 | 0.48 | 6,834.46 | 6,834.46 | True |
| 0.96 | 1.44 | 6,834.22 | 6,834.03 | True |
| 0.24 | 0.24 | 6,847.77 | 6,847.77 | True |
| 0.00 | 0.00 | 6,836.26 | 6,836.26 | True |
| 0.24 | 0.24 | 6,865.03 | 6,865.03 | True |
| 0.00 | 0.00 | 6,905.19 | 6,905.19 | True |

Existing Scenario - ADD
Manhole Table - Time: 0.00 hours

| Flow (Local In) (gal/min) | Flow (Total Out) (gal/min) | Hydraulic Grade Line (In) (ft) | Hydraulic Grade Line (Out) (ft) | Is Active? |
|------------------------------|----------------------------------|--------------------------------------|--|------------|
| 0.00 | 0.00 | 6,907.36 | 6,907.36 | True |
| 0.00 | 0.00 | 6,909.83 | 6,909.83 | True |
| 0.00 | 29.04 | 6,581.92 | 6,581.92 | True |
| 0.00 | 4.32 | 6,664.93 | 6,664.93 | True |
| 0.00 | 0.00 | 6,336.31 | 6,336.31 | True |
| 0.00 | 1.20 | 6,700.00 | 6,700.00 | True |
| 0.48 | 0.48 | 6,585.71 | 6,585.71 | True |
| 0.48 | 0.48 | 6,584.00 | 6,584.00 | True |
| 0.49 | 1.86 | 6,357.06 | 6,356.86 | True |
| 0.00 | 1.92 | 6,356.31 | 6,356.12 | True |
| 0.93 | 1.41 | 6,367.09 | 6,366.90 | True |
| 0.00 | 0.96 | 6,359.73 | 6,359.52 | True |
| 0.00 | 0.00 | 6,364.20 | 6,364.00 | True |
| 0.48 | 0.48 | 6,367.76 | 6,367.56 | True |
| 0.00 | 0.00 | 6,375.02 | 6,375.02 | True |
| 0.00 | 0.00 | 6,376.26 | 6,376.06 | True |
| 0.00 | 0.00 | 6,403.62 | 6,403.62 | True |
| 0.00 | 0.00 | 6,423.19 | 6,422.99 | True |
| 0.00 | 0.00 | 6,433.82 | 6,433.62 | True |
| (N/A) | 0.00 | 6,438.58 | 6,438.38 | True |
| 0.00 | 0.00 | 6,445.58 | 6,445.58 | True |
| 0.00 | 0.00 | 6,410.89 | 6,410.89 | True |
| 0.00 | 0.00 | 6,429.99 | 6,429.99 | True |
| 0.00 | 0.00 | 6,441.84 | 6,441.84 | True |
| (N/A) | 2.00 | 6,347.19 | 6,346.99 | True |
| 0.00 | 0.00 | 6,752.86 | 6,752.86 | True |
| 0.00 | 0.00 | 6,507.18 | 6,507.18 | True |
| 1.20 | 1.20 | 6,316.43 | 6,316.43 | True |
| 0.00 | 0.00 | 6,503.43 | 6,483.43 | True |
| 0.00 | 0.00 | 6,423.00 | 6,423.00 | True |
| 0.00 | 49.44 | 6,328.10 | 6,328.10 | True |
| 0.00 | 20.16 | 6,364.01 | 6,364.01 | True |
| 0.00 | 20.16 | 6,365.07 | 6,365.04 | True |
| 0.00 | 49.44 | 6,322.73 | 6,322.75 | True |
| 0.00 | 0.00 | 6,412.00 | 6,412.00 | True |
| 0.00 | 0.00 | 6,589.83 | 6,589.83 | True |

Property Connection Table - Time: 0.00 hours

| ID | Label | Base Flow (gal/min) | Notes |
|------|--------|------------------------|-----------------------|
| 1462 | PC-196 | 1.20 | Public works building |
| 642 | M-10 | 0.48 | exist |
| 643 | M-100 | 0.24 | exist |
| 644 | M-101 | 0.24 | exist |
| 645 | M-102 | 0.24 | exist |

SewerModel11092020.stsw
12/30/2020

Bentley Systems, Inc. Haestad Methods Solution
Center
27 Siemon Company Drive Suite 200 W
Watertown, CT 06795 USA +1-203-755-1666

SewerGEMS
[10.02.03.03]
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Existing Scenario - ADD

Property Connection Table - Time: 0.00 hours

| ID | Label | Base Flow (gal/min) | Notes |
|-----|-------|------------------------|-------|
| 646 | M-103 | 0.24 | exist |
| 647 | M-104 | 0.24 | exist |
| 648 | M-105 | 0.24 | exist |
| 649 | M-106 | 0.24 | exist |
| 650 | M-107 | 0.24 | exist |
| 651 | M-108 | 0.24 | exist |
| 652 | M-109 | 0.24 | exist |
| 653 | M-11 | 0.24 | exist |
| 654 | M-110 | 0.24 | exist |
| 655 | M-111 | 0.24 | exist |
| 656 | M-112 | 0.24 | exist |
| 657 | M-113 | 0.24 | exist |
| 658 | M-114 | 0.24 | exist |
| 659 | M-115 | 0.24 | exist |
| 660 | M-116 | 0.24 | exist |
| 661 | M-117 | 0.24 | exist |
| 662 | M-118 | 0.24 | exist |
| 663 | M-119 | 0.24 | exist |
| 665 | M-120 | 0.24 | exist |
| 666 | M-121 | 0.24 | exist |
| 667 | M-122 | 0.24 | exist |
| 668 | M-123 | 0.24 | exist |
| 669 | M-124 | 0.24 | exist |
| 670 | M-125 | 0.24 | exist |
| 671 | M-126 | 0.24 | exist |
| 672 | M-127 | 0.24 | exist |
| 674 | M-129 | 0.24 | exist |
| 676 | M-130 | 0.24 | exist |
| 677 | M-131 | 0.24 | exist |
| 678 | M-132 | 0.24 | exist |
| 679 | M-133 | 0.24 | exist |
| 680 | M-134 | 0.24 | exist |
| 681 | M-135 | 0.24 | exist |
| 682 | M-136 | 0.24 | exist |
| 683 | M-137 | 0.24 | exist |
| 685 | M-139 | 0.24 | exist |
| 687 | M-140 | 0.24 | exist |
| 688 | M-141 | 0.24 | exist |
| 689 | M-142 | 0.24 | exist |
| 690 | M-143 | 0.24 | exist |
| 691 | M-144 | 0.24 | exist |
| 692 | M-145 | 0.24 | exist |
| 693 | M-146 | 0.24 | exist |
| 694 | M-147 | 0.24 | exist |
| 695 | M-148 | 0.24 | exist |
| 696 | M-149 | 0.24 | exist |
| 698 | M-150 | 0.24 | exist |

Existing Scenario - ADD

Property Connection Table - Time: 0.00 hours

| ID | Label | Base Flow (gal/min) | Notes |
|-----|-------|------------------------|-------|
| 699 | M-151 | 0.24 | exist |
| 700 | M-152 | 0.24 | exist |
| 702 | M-154 | 0.24 | exist |
| 703 | M-155 | 0.24 | exist |
| 704 | M-156 | 0.24 | exist |
| 705 | M-157 | 0.24 | exist |
| 706 | M-158 | 0.24 | exist |
| 707 | M-159 | 0.24 | exist |
| 708 | M-16 | 0.24 | exist |
| 709 | M-160 | 0.24 | exist |
| 710 | M-161 | 0.24 | exist |
| 712 | M-163 | 0.24 | exist |
| 713 | M-164 | 0.24 | exist |
| 714 | M-165 | 0.24 | exist |
| 715 | M-166 | 0.24 | exist |
| 716 | M-167 | 0.24 | exist |
| 717 | M-168 | 0.24 | exist |
| 718 | M-169 | 0.24 | exist |
| 719 | M-17 | 0.24 | exist |
| 720 | M-170 | 0.24 | exist |
| 721 | M-171 | 0.24 | exist |
| 722 | M-172 | 0.24 | exist |
| 723 | M-173 | 0.24 | exist |
| 724 | M-174 | 0.24 | exist |
| 725 | M-175 | 0.24 | exist |
| 726 | M-176 | 0.24 | exist |
| 727 | M-177 | 0.24 | exist |
| 728 | M-178 | 0.24 | exist |
| 729 | M-179 | 0.24 | exist |
| 730 | M-18 | 0.24 | exist |
| 732 | M-181 | 2.40 | exist |
| 734 | M-183 | 2.88 | exist |
| 736 | M-185 | 2.88 | exist |
| 738 | M-187 | 2.40 | exist |
| 739 | M-188 | 2.68 | exist |
| 743 | M-191 | 2.88 | exist |
| 744 | M-192 | 0.24 | exist |
| 745 | M-193 | 0.24 | exist |
| 747 | M-195 | 0.24 | exist |
| 753 | M-20 | 0.24 | exist |
| 754 | M-200 | 0.24 | exist |
| 755 | M-201 | 0.24 | exist |
| 763 | M-209 | 0.24 | exist |
| 764 | M-21 | 0.24 | exist |
| 771 | M-216 | 0.24 | exist |
| 782 | M-226 | 0.24 | exist |
| 794 | M-237 | 0.24 | exist |

Existing Scenario - ADD

Property Connection Table - Time: 0.00 hours

| ID | Label | Base Flow (gal/min) | Notes |
|------|-------|------------------------|-------|
| 795 | M-238 | 0.24 | exist |
| 797 | M-24 | 0.24 | exist |
| 804 | M-246 | 0.24 | exist |
| 810 | M-251 | 0.24 | exist |
| 813 | M-254 | 0.24 | exist |
| 815 | M-256 | 0.24 | exist |
| 818 | M-259 | 0.24 | exist |
| 819 | M-26 | 0.24 | exist |
| 830 | M-27 | 0.24 | exist |
| 897 | M-33 | 0.24 | exist |
| 908 | M-34 | 0.24 | exist |
| 919 | M-35 | 0.24 | exist |
| 930 | M-36 | 0.24 | exist |
| 963 | M-39 | 0.24 | exist |
| 975 | M-40 | 0.24 | exist |
| 985 | M-409 | 0.24 | exist |
| 986 | M-41 | 0.24 | exist |
| 987 | M-410 | 0.24 | exist |
| 988 | M-411 | 0.24 | exist |
| 989 | M-412 | 0.24 | exist |
| 990 | M-413 | 0.24 | exist |
| 991 | M-414 | 0.24 | exist |
| 992 | M-415 | 0.24 | exist |
| 993 | M-416 | 0.24 | exist |
| 994 | M-417 | 0.24 | exist |
| 995 | M-418 | 0.24 | exist |
| 996 | M-419 | 0.24 | exist |
| 997 | M-42 | 0.24 | exist |
| 998 | M-420 | 0.24 | exist |
| 999 | M-421 | 0.24 | exist |
| 1000 | M-422 | 0.24 | exist |
| 1008 | M-43 | 0.24 | exist |
| 1019 | M-44 | 0.24 | exist |
| 1030 | M-45 | 0.24 | exist |
| 1039 | M-46 | 0.24 | exist |
| 1040 | M-47 | 0.24 | exist |
| 1041 | M-48 | 0.24 | exist |
| 1042 | M-49 | 0.24 | exist |
| 1043 | M-5 | 0.48 | exist |
| 1044 | M-50 | 0.24 | exist |
| 1045 | M-51 | 0.24 | exist |
| 1046 | M-52 | 0.24 | exist |
| 1047 | M-53 | 0.24 | exist |
| 1048 | M-54 | 0.24 | exist |
| 1049 | M-55 | 0.24 | exist |
| 1050 | M-56 | 0.24 | exist |
| 1051 | M-57 | 0.24 | exist |

Existing Scenario - ADD

Property Connection Table - Time: 0.00 hours

| ID | Label | Base Flow (gal/min) | Notes |
|------|-------|------------------------|-------|
| 1052 | M-58 | 0.24 | exist |
| 1053 | M-59 | 0.24 | exist |
| 1054 | M-6 | 0.24 | exist |
| 1055 | M-60 | 0.24 | exist |
| 1056 | M-61 | 0.24 | exist |
| 1057 | M-62 | 0.24 | exist |
| 1058 | M-63 | 0.24 | exist |
| 1061 | M-66 | 0.24 | exist |
| 1062 | M-67 | 0.24 | exist |
| 1063 | M-68 | 0.24 | exist |
| 1064 | M-69 | 0.24 | exist |
| 1066 | M-70 | 0.24 | exist |
| 1067 | M-71 | 0.24 | exist |
| 1068 | M-72 | 0.24 | exist |
| 1069 | M-73 | 0.24 | exist |
| 1070 | M-74 | 0.24 | exist |
| 1071 | M-75 | 0.24 | exist |
| 1072 | M-76 | 0.24 | exist |
| 1073 | M-77 | 0.24 | exist |
| 1074 | M-78 | 0.24 | exist |
| 1075 | M-79 | 0.24 | exist |
| 1076 | M-8 | 0.48 | exist |
| 1077 | M-80 | 0.24 | exist |
| 1078 | M-81 | 0.24 | exist |
| 1080 | M-83 | 0.24 | exist |
| 1082 | M-85 | 0.24 | exist |
| 1083 | M-86 | 0.24 | exist |
| 1084 | M-87 | 0.24 | exist |
| 1085 | M-88 | 0.24 | exist |
| 1086 | M-89 | 0.24 | exist |
| 1087 | M-9 | 0.48 | exist |
| 1094 | M-96 | 0.24 | exist |
| 1096 | M-98 | 0.24 | exist |
| 1097 | M-99 | 0.24 | exist |
| 1277 | PC-24 | 0.48 | exist |
| 1278 | PC-25 | 0.48 | exist |
| 1285 | PC-32 | 0.48 | exist |
| 1296 | PC-43 | 0.48 | exist |
| 1321 | PC-68 | 2.88 | exist |
| 1323 | PC-70 | 2.88 | exist |
| 1325 | PC-72 | 2.88 | exist |
| 1326 | PC-73 | 2.88 | exist |
| 1328 | PC-75 | 2.88 | exist |
| 1329 | PC-76 | 2.88 | exist |
| 1330 | PC-77 | 2.88 | exist |
| 1334 | PC-81 | 2.40 | exist |
| 1335 | PC-82 | 2.68 | exist |

Existing Scenario - ADD

Property Connection Table - Time: 0.00 hours

| ID | Label | Base Flow (gal/min) | Notes |
|------|--------|------------------------|-------|
| 1338 | PC-85 | 2.40 | exist |
| 1339 | PC-86 | 2.40 | exist |
| 1394 | PC-141 | 0.24 | exist |
| 1395 | PC-142 | 0.24 | exist |
| 1396 | PC-143 | 0.24 | exist |
| 1417 | PC-164 | 0.24 | exist |
| 1418 | PC-165 | 0.24 | exist |
| 1430 | PC-177 | 0.24 | exist |
| 1434 | PC-181 | 0.24 | exist |
| 1435 | PC-182 | 0.24 | exist |
| 1445 | PC-192 | 0.24 | exist |
| 1448 | PC-195 | 0.24 | exist |
| 1536 | PC-213 | 0.24 | exist |
| 1540 | PC-217 | 0.24 | exist |
| 1543 | PC-220 | 0.24 | exist |
| 1544 | PC-221 | 0.24 | exist |
| 1545 | PC-222 | 0.24 | exist |
| 1578 | PC-224 | 0.24 | exist |
| 1579 | PC-225 | 0.24 | exist |
| 1582 | PC-228 | 0.24 | exist |
| 1584 | PC-230 | 0.24 | exist |
| 1585 | PC-231 | 0.24 | exist |
| 1586 | PC-232 | 0.24 | exist |
| 1587 | PC-233 | 0.24 | exist |
| 1588 | PC-234 | 0.24 | exist |
| 1589 | PC-235 | 0.24 | exist |
| 1590 | PC-236 | 0.24 | exist |
| 1594 | PC-240 | 0.24 | exist |
| 1601 | PC-247 | 0.24 | exist |
| 1602 | PC-248 | 0.24 | exist |
| 1603 | PC-249 | 0.24 | exist |
| 1604 | PC-250 | 0.24 | exist |
| 1605 | PC-251 | 0.24 | exist |
| 1606 | PC-252 | 0.24 | exist |
| 1607 | PC-253 | 0.24 | exist |
| 1608 | PC-254 | 0.24 | exist |
| 1616 | PC-262 | 0.24 | exist |
| 1617 | PC-263 | 0.24 | exist |
| 1618 | PC-264 | 0.24 | exist |
| 1623 | PC-269 | 0.24 | exist |
| 1629 | PC-275 | 0.24 | exist |
| 1638 | PC-284 | 0.24 | exist |
| 1665 | PC-311 | 0.24 | exist |
| 1666 | PC-312 | 0.24 | exist |
| 1667 | PC-313 | 0.24 | exist |
| 1668 | PC-314 | 0.24 | exist |
| 1669 | PC-315 | 0.24 | exist |

Existing Scenario - ADD

Property Connection Table - Time: 0.00 hours

| ID | Label | Base Flow (gal/min) | Notes |
|------|--------|------------------------|--------|
| 1671 | PC-317 | 0.24 | exist |
| 1680 | PC-326 | 0.24 | exist |
| 1682 | PC-328 | 0.24 | exist |
| 664 | M-12 | 0.24 | future |
| 675 | M-13 | 0.24 | future |
| 686 | M-14 | 0.24 | future |
| 697 | M-15 | 0.24 | future |
| 741 | M-19 | 0.24 | future |
| 746 | M-194 | 0.24 | future |
| 748 | M-196 | 0.24 | future |
| 749 | M-197 | 0.24 | future |
| 750 | M-198 | 0.24 | future |
| 751 | M-199 | 0.24 | future |
| 752 | M-2 | 0.24 | future |
| 756 | M-202 | 0.24 | future |
| 757 | M-203 | 0.24 | future |
| 758 | M-204 | 0.24 | future |
| 759 | M-205 | 0.24 | future |
| 760 | M-206 | 0.24 | future |
| 761 | M-207 | 0.24 | future |
| 762 | M-208 | 0.24 | future |
| 765 | M-210 | 0.24 | future |
| 766 | M-211 | 0.24 | future |
| 767 | M-212 | 0.24 | future |
| 768 | M-213 | 0.24 | future |
| 769 | M-214 | 0.24 | future |
| 770 | M-215 | 0.24 | future |
| 772 | M-217 | 0.24 | future |
| 775 | M-22 | 0.24 | future |
| 776 | M-220 | 0.24 | future |
| 778 | M-222 | 0.24 | future |
| 780 | M-224 | 0.24 | future |
| 783 | M-227 | 0.24 | future |
| 785 | M-229 | 0.24 | future |
| 786 | M-23 | 0.24 | future |
| 787 | M-230 | 0.24 | future |
| 790 | M-233 | 0.24 | future |
| 792 | M-235 | 0.24 | future |
| 793 | M-236 | 0.24 | future |
| 796 | M-239 | 0.24 | future |
| 798 | M-240 | 0.24 | future |
| 799 | M-241 | 0.24 | future |
| 800 | M-242 | 0.24 | future |
| 801 | M-243 | 0.24 | future |
| 802 | M-244 | 0.24 | future |
| 803 | M-245 | 0.24 | future |
| 805 | M-247 | 0.24 | future |

Existing Scenario - ADD**Property Connection Table - Time: 0.00 hours**

| ID | Label | Base Flow (gal/min) | Notes |
|-----|-------|------------------------|--------|
| 806 | M-248 | 0.24 | future |
| 807 | M-249 | 0.24 | future |
| 808 | M-25 | 0.24 | future |
| 809 | M-250 | 0.24 | future |
| 811 | M-252 | 0.24 | future |
| 812 | M-253 | 0.24 | future |
| 814 | M-255 | 0.24 | future |
| 816 | M-257 | 0.24 | future |
| 817 | M-258 | 0.24 | future |
| 820 | M-260 | 0.24 | future |
| 821 | M-261 | 0.24 | future |
| 822 | M-262 | 0.24 | future |
| 823 | M-263 | 0.24 | future |
| 824 | M-264 | 0.24 | future |
| 825 | M-265 | 0.24 | future |
| 826 | M-266 | 0.24 | future |
| 827 | M-267 | 0.24 | future |
| 828 | M-268 | 0.24 | future |
| 829 | M-269 | 0.24 | future |
| 831 | M-270 | 0.24 | future |
| 832 | M-271 | 0.24 | future |
| 833 | M-272 | 0.24 | future |
| 834 | M-273 | 0.24 | future |
| 835 | M-274 | 0.24 | future |
| 836 | M-275 | 0.24 | future |
| 837 | M-276 | 0.24 | future |
| 838 | M-277 | 0.24 | future |
| 839 | M-278 | 0.24 | future |
| 840 | M-279 | 0.24 | future |
| 841 | M-28 | 0.24 | future |
| 842 | M-280 | 0.24 | future |
| 843 | M-281 | 0.24 | future |
| 844 | M-282 | 0.24 | future |
| 845 | M-283 | 0.24 | future |
| 846 | M-284 | 0.24 | future |
| 847 | M-285 | 0.24 | future |
| 848 | M-286 | 0.24 | future |
| 849 | M-287 | 0.24 | future |
| 850 | M-288 | 0.24 | future |
| 851 | M-289 | 0.24 | future |
| 852 | M-29 | 0.24 | future |
| 853 | M-290 | 0.24 | future |
| 854 | M-291 | 0.24 | future |
| 855 | M-292 | 0.24 | future |
| 856 | M-293 | 0.24 | future |
| 857 | M-294 | 0.24 | future |
| 858 | M-295 | 0.24 | future |

Existing Scenario - ADD

Property Connection Table - Time: 0.00 hours

| ID | Label | Base Flow (gal/min) | Notes |
|-----|-------|------------------------|--------|
| 859 | M-296 | 0.24 | future |
| 860 | M-297 | 0.24 | future |
| 861 | M-298 | 0.24 | future |
| 862 | M-299 | 0.24 | future |
| 863 | M-3 | 0.48 | future |
| 865 | M-300 | 0.24 | future |
| 866 | M-301 | 0.24 | future |
| 867 | M-302 | 0.24 | future |
| 868 | M-303 | 0.24 | future |
| 869 | M-304 | 0.24 | future |
| 870 | M-305 | 0.24 | future |
| 871 | M-306 | 0.24 | future |
| 872 | M-307 | 0.24 | future |
| 873 | M-308 | 0.24 | future |
| 874 | M-309 | 0.24 | future |
| 876 | M-310 | 0.24 | future |
| 877 | M-311 | 0.24 | future |
| 878 | M-312 | 0.24 | future |
| 879 | M-313 | 0.24 | future |
| 880 | M-314 | 0.24 | future |
| 881 | M-315 | 0.24 | future |
| 882 | M-316 | 0.24 | future |
| 883 | M-317 | 0.24 | future |
| 884 | M-318 | 0.24 | future |
| 885 | M-319 | 0.24 | future |
| 887 | M-320 | 0.24 | future |
| 888 | M-321 | 0.24 | future |
| 889 | M-322 | 0.24 | future |
| 890 | M-323 | 0.24 | future |
| 891 | M-324 | 0.24 | future |
| 892 | M-325 | 0.24 | future |
| 893 | M-326 | 0.24 | future |
| 894 | M-327 | 0.24 | future |
| 895 | M-328 | 0.24 | future |
| 896 | M-329 | 0.24 | future |
| 898 | M-330 | 0.24 | future |
| 899 | M-331 | 0.24 | future |
| 900 | M-332 | 0.24 | future |
| 901 | M-333 | 0.24 | future |
| 902 | M-334 | 0.24 | future |
| 903 | M-335 | 0.24 | future |
| 904 | M-336 | 0.24 | future |
| 905 | M-337 | 0.24 | future |
| 906 | M-338 | 0.24 | future |
| 907 | M-339 | 0.24 | future |
| 909 | M-340 | 0.24 | future |
| 910 | M-341 | 0.24 | future |

Existing Scenario - ADD

Property Connection Table - Time: 0.00 hours

| ID | Label | Base Flow (gal/min) | Notes |
|-----|-------|------------------------|--------|
| 911 | M-342 | 0.24 | future |
| 912 | M-343 | 0.24 | future |
| 913 | M-344 | 0.24 | future |
| 914 | M-345 | 0.24 | future |
| 915 | M-346 | 0.24 | future |
| 916 | M-347 | 0.24 | future |
| 917 | M-348 | 0.24 | future |
| 918 | M-349 | 0.24 | future |
| 920 | M-350 | 0.24 | future |
| 921 | M-351 | 0.24 | future |
| 922 | M-352 | 0.24 | future |
| 923 | M-353 | 0.24 | future |
| 924 | M-354 | 0.24 | future |
| 925 | M-355 | 0.24 | future |
| 926 | M-356 | 0.24 | future |
| 927 | M-357 | 0.24 | future |
| 928 | M-358 | 0.24 | future |
| 929 | M-359 | 0.24 | future |
| 931 | M-360 | 0.24 | future |
| 932 | M-361 | 0.24 | future |
| 934 | M-363 | 0.24 | future |
| 935 | M-364 | 0.24 | future |
| 936 | M-365 | 0.24 | future |
| 938 | M-367 | 0.24 | future |
| 939 | M-368 | 0.24 | future |
| 940 | M-369 | 0.24 | future |
| 941 | M-37 | 0.24 | future |
| 942 | M-370 | 0.24 | future |
| 943 | M-371 | 0.24 | future |
| 944 | M-372 | 0.24 | future |
| 945 | M-373 | 0.24 | future |
| 946 | M-374 | 0.24 | future |
| 947 | M-375 | 0.24 | future |
| 948 | M-376 | 0.24 | future |
| 949 | M-377 | 0.24 | future |
| 950 | M-378 | 0.24 | future |
| 951 | M-379 | 0.24 | future |
| 952 | M-38 | 0.24 | future |
| 953 | M-380 | 0.24 | future |
| 954 | M-381 | 0.24 | future |
| 955 | M-382 | 0.24 | future |
| 956 | M-383 | 0.24 | future |
| 957 | M-384 | 0.24 | future |
| 958 | M-385 | 0.24 | future |
| 959 | M-386 | 0.24 | future |
| 961 | M-388 | 0.24 | future |
| 962 | M-389 | 0.24 | future |

Existing Scenario - ADD**Property Connection Table - Time: 0.00 hours**

| ID | Label | Base Flow (gal/min) | Notes |
|------|-------|------------------------|--------|
| 965 | M-391 | 0.24 | future |
| 966 | M-392 | 0.24 | future |
| 967 | M-393 | 0.24 | future |
| 968 | M-394 | 0.24 | future |
| 969 | M-395 | 0.24 | future |
| 970 | M-396 | 0.24 | future |
| 971 | M-397 | 0.24 | future |
| 972 | M-398 | 0.24 | future |
| 973 | M-399 | 0.24 | future |
| 974 | M-4 | 0.24 | future |
| 976 | M-400 | 0.24 | future |
| 977 | M-401 | 0.24 | future |
| 978 | M-402 | 0.24 | future |
| 979 | M-403 | 0.24 | future |
| 980 | M-404 | 0.24 | future |
| 981 | M-405 | 0.24 | future |
| 982 | M-406 | 0.24 | future |
| 983 | M-407 | 0.24 | future |
| 984 | M-408 | 0.24 | future |
| 1001 | M-423 | 0.24 | future |
| 1002 | M-424 | 0.24 | future |
| 1004 | M-426 | 0.24 | future |
| 1005 | M-427 | 0.24 | future |
| 1006 | M-428 | 0.24 | future |
| 1007 | M-429 | 0.24 | future |
| 1009 | M-430 | 0.24 | future |
| 1010 | M-431 | 0.24 | future |
| 1011 | M-432 | 0.24 | future |
| 1012 | M-433 | 0.24 | future |
| 1013 | M-434 | 0.24 | future |
| 1014 | M-435 | 0.24 | future |
| 1015 | M-436 | 0.24 | future |
| 1016 | M-437 | 0.24 | future |
| 1017 | M-438 | 0.24 | future |
| 1018 | M-439 | 0.24 | future |
| 1020 | M-440 | 0.24 | future |
| 1021 | M-441 | 0.24 | future |
| 1022 | M-442 | 0.24 | future |
| 1023 | M-443 | 0.24 | future |
| 1024 | M-444 | 0.24 | future |
| 1025 | M-445 | 0.24 | future |
| 1026 | M-446 | 0.24 | future |
| 1027 | M-447 | 0.24 | future |
| 1028 | M-448 | 0.24 | future |
| 1029 | M-449 | 0.24 | future |
| 1031 | M-450 | 0.24 | future |
| 1032 | M-451 | 0.24 | future |

Existing Scenario - ADD**Property Connection Table - Time: 0.00 hours**

| ID | Label | Base Flow (gal/min) | Notes |
|------|-------|------------------------|--------|
| 1033 | M-452 | 0.24 | future |
| 1034 | M-453 | 0.24 | future |
| 1035 | M-454 | 0.24 | future |
| 1036 | M-455 | 0.24 | future |
| 1037 | M-456 | 0.24 | future |
| 1038 | M-457 | 0.24 | future |
| 1059 | M-64 | 0.24 | future |
| 1060 | M-65 | 0.24 | future |
| 1065 | M-7 | 0.24 | future |
| 1079 | M-82 | 0.48 | future |
| 1081 | M-84 | 0.24 | future |
| 1088 | M-90 | 0.24 | future |
| 1089 | M-91 | 0.24 | future |
| 1090 | M-92 | 0.24 | future |
| 1091 | M-93 | 0.24 | future |
| 1092 | M-94 | 0.48 | future |
| 1093 | M-95 | 0.48 | future |
| 1095 | M-97 | 0.24 | future |
| 1261 | PC-8 | 0.48 | future |
| 1262 | PC-9 | 0.48 | future |
| 1263 | PC-10 | 0.48 | future |
| 1264 | PC-11 | 0.48 | future |
| 1272 | PC-19 | 0.48 | future |
| 1273 | PC-20 | 0.48 | future |
| 1274 | PC-21 | 0.48 | future |
| 1275 | PC-22 | 0.48 | future |
| 1276 | PC-23 | 0.48 | future |
| 1279 | PC-26 | 0.48 | future |
| 1280 | PC-27 | 0.48 | future |
| 1281 | PC-28 | 0.48 | future |
| 1282 | PC-29 | 0.48 | future |
| 1283 | PC-30 | 0.48 | future |
| 1284 | PC-31 | 0.48 | future |
| 1286 | PC-33 | 0.48 | future |
| 1287 | PC-34 | 0.48 | future |
| 1288 | PC-35 | 0.48 | future |
| 1289 | PC-36 | 0.48 | future |
| 1290 | PC-37 | 0.48 | future |
| 1291 | PC-38 | 0.48 | future |
| 1292 | PC-39 | 0.48 | future |
| 1293 | PC-40 | 0.48 | future |
| 1294 | PC-41 | 0.48 | future |
| 1295 | PC-42 | 0.48 | future |
| 1297 | PC-44 | 0.48 | future |
| 1298 | PC-45 | 0.48 | future |
| 1299 | PC-46 | 0.48 | future |
| 1300 | PC-47 | 0.48 | future |

Existing Scenario - ADD**Property Connection Table - Time: 0.00 hours**

| ID | Label | Base Flow (gal/min) | Notes |
|------|--------|------------------------|--------|
| 1301 | PC-48 | 0.48 | future |
| 1302 | PC-49 | 0.48 | future |
| 1303 | PC-50 | 0.48 | future |
| 1304 | PC-51 | 0.48 | future |
| 1305 | PC-52 | 0.48 | future |
| 1306 | PC-53 | 0.48 | future |
| 1307 | PC-54 | 0.48 | future |
| 1308 | PC-55 | 0.48 | future |
| 1309 | PC-56 | 0.48 | future |
| 1310 | PC-57 | 0.48 | future |
| 1311 | PC-58 | 0.48 | future |
| 1312 | PC-59 | 0.48 | future |
| 1313 | PC-60 | 0.48 | future |
| 1314 | PC-61 | 0.48 | future |
| 1315 | PC-62 | 0.48 | future |
| 1316 | PC-63 | 0.48 | future |
| 1317 | PC-64 | 0.48 | future |
| 1318 | PC-65 | 0.48 | future |
| 1319 | PC-66 | 0.48 | future |
| 1341 | PC-88 | 0.24 | future |
| 1342 | PC-89 | 0.24 | future |
| 1343 | PC-90 | 0.24 | future |
| 1344 | PC-91 | 0.24 | future |
| 1345 | PC-92 | 0.24 | future |
| 1347 | PC-94 | 0.24 | future |
| 1348 | PC-95 | 0.24 | future |
| 1349 | PC-96 | 0.24 | future |
| 1350 | PC-97 | 0.24 | future |
| 1351 | PC-98 | 0.24 | future |
| 1353 | PC-100 | 0.24 | future |
| 1355 | PC-102 | 0.24 | future |
| 1356 | PC-103 | 0.24 | future |
| 1357 | PC-104 | 0.24 | future |
| 1358 | PC-105 | 0.24 | future |
| 1359 | PC-106 | 0.24 | future |
| 1361 | PC-108 | 0.24 | future |
| 1362 | PC-109 | 0.24 | future |
| 1363 | PC-110 | 0.24 | future |
| 1364 | PC-111 | 0.24 | future |
| 1365 | PC-112 | 0.24 | future |
| 1366 | PC-113 | 0.24 | future |
| 1367 | PC-114 | 0.24 | future |
| 1368 | PC-115 | 0.24 | future |
| 1369 | PC-116 | 0.24 | future |
| 1370 | PC-117 | 0.24 | future |
| 1371 | PC-118 | 0.24 | future |
| 1372 | PC-119 | 0.24 | future |

Existing Scenario - ADD

Property Connection Table - Time: 0.00 hours

| ID | Label | Base Flow (gal/min) | Notes |
|------|--------|------------------------|--------|
| 1373 | PC-120 | 0.24 | future |
| 1374 | PC-121 | 0.24 | future |
| 1375 | PC-122 | 0.24 | future |
| 1376 | PC-123 | 0.24 | future |
| 1377 | PC-124 | 0.24 | future |
| 1378 | PC-125 | 0.24 | future |
| 1379 | PC-126 | 0.24 | future |
| 1380 | PC-127 | 0.24 | future |
| 1381 | PC-128 | 0.24 | future |
| 1382 | PC-129 | 0.24 | future |
| 1383 | PC-130 | 0.24 | future |
| 1384 | PC-131 | 0.24 | future |
| 1385 | PC-132 | 0.24 | future |
| 1386 | PC-133 | 0.24 | future |
| 1387 | PC-134 | 0.24 | future |
| 1388 | PC-135 | 0.24 | future |
| 1389 | PC-136 | 0.24 | future |
| 1390 | PC-137 | 0.24 | future |
| 1391 | PC-138 | 0.24 | future |
| 1392 | PC-139 | 0.24 | future |
| 1393 | PC-140 | 0.24 | future |
| 1397 | PC-144 | 0.24 | future |
| 1398 | PC-145 | 0.24 | future |
| 1399 | PC-146 | 0.24 | future |
| 1400 | PC-147 | 0.24 | future |
| 1401 | PC-148 | 0.24 | future |
| 1402 | PC-149 | 0.24 | future |
| 1403 | PC-150 | 0.24 | future |
| 1404 | PC-151 | 0.24 | future |
| 1405 | PC-152 | 0.24 | future |
| 1406 | PC-153 | 0.24 | future |
| 1407 | PC-154 | 0.24 | future |
| 1408 | PC-155 | 0.24 | future |
| 1409 | PC-156 | 0.24 | future |
| 1410 | PC-157 | 0.24 | future |
| 1411 | PC-158 | 0.24 | future |
| 1412 | PC-159 | 0.24 | future |
| 1413 | PC-160 | 0.24 | future |
| 1414 | PC-161 | 0.24 | future |
| 1415 | PC-162 | 0.24 | future |
| 1416 | PC-163 | 0.24 | future |
| 1419 | PC-166 | 0.24 | future |
| 1420 | PC-167 | 0.24 | future |
| 1421 | PC-168 | 0.24 | future |
| 1422 | PC-169 | 0.24 | future |
| 1423 | PC-170 | 0.24 | future |
| 1424 | PC-171 | 0.24 | future |

Existing Scenario - ADD**Property Connection Table - Time: 0.00 hours**

| ID | Label | Base Flow (gal/min) | Notes |
|------|--------|------------------------|--------|
| 1426 | PC-173 | 0.24 | future |
| 1427 | PC-174 | 0.24 | future |
| 1428 | PC-175 | 0.24 | future |
| 1429 | PC-176 | 0.24 | future |
| 1431 | PC-178 | 0.24 | future |
| 1433 | PC-180 | 0.24 | future |
| 1436 | PC-183 | 0.24 | future |
| 1437 | PC-184 | 0.24 | future |
| 1438 | PC-185 | 0.24 | future |
| 1439 | PC-186 | 0.24 | future |
| 1440 | PC-187 | 0.24 | future |
| 1441 | PC-188 | 0.24 | future |
| 1442 | PC-189 | 0.24 | future |
| 1443 | PC-190 | 0.24 | future |
| 1444 | PC-191 | 0.24 | future |
| 1446 | PC-193 | 0.24 | future |
| 1447 | PC-194 | 0.24 | future |
| 1520 | PC-197 | 0.24 | future |
| 1521 | PC-198 | 0.24 | future |
| 1522 | PC-199 | 0.24 | future |
| 1523 | PC-200 | 0.24 | future |
| 1524 | PC-201 | 0.24 | future |
| 1525 | PC-202 | 0.24 | future |
| 1526 | PC-203 | 0.24 | future |
| 1527 | PC-204 | 0.24 | future |
| 1528 | PC-205 | 0.24 | future |
| 1529 | PC-206 | 0.24 | future |
| 1530 | PC-207 | 0.24 | future |
| 1531 | PC-208 | 0.24 | future |
| 1532 | PC-209 | 0.24 | future |
| 1533 | PC-210 | 0.24 | future |
| 1534 | PC-211 | 0.24 | future |
| 1535 | PC-212 | 0.24 | future |
| 1537 | PC-214 | 0.24 | future |
| 1539 | PC-216 | 0.24 | future |
| 1541 | PC-218 | 0.24 | future |
| 1542 | PC-219 | 0.24 | future |
| 1546 | PC-223 | 0.24 | future |
| 1591 | PC-237 | 0.24 | future |
| 1592 | PC-238 | 0.24 | future |
| 1593 | PC-239 | 0.24 | future |
| 1595 | PC-241 | 0.24 | future |
| 1596 | PC-242 | 0.24 | future |
| 1597 | PC-243 | 0.24 | future |
| 1598 | PC-244 | 0.24 | future |
| 1599 | PC-245 | 0.24 | future |
| 1600 | PC-246 | 0.24 | future |

Existing Scenario - ADD**Property Connection Table - Time: 0.00 hours**

| ID | Label | Base Flow (gal/min) | Notes |
|------|--------|------------------------|--------|
| 1609 | PC-255 | 0.24 | future |
| 1610 | PC-256 | 0.24 | future |
| 1611 | PC-257 | 0.24 | future |
| 1612 | PC-258 | 0.24 | future |
| 1613 | PC-259 | 0.24 | future |
| 1614 | PC-260 | 0.24 | future |
| 1615 | PC-261 | 0.24 | future |
| 1619 | PC-265 | 0.24 | future |
| 1620 | PC-266 | 0.24 | future |
| 1621 | PC-267 | 0.24 | future |
| 1622 | PC-268 | 0.24 | future |
| 1624 | PC-270 | 0.24 | future |
| 1625 | PC-271 | 0.24 | future |
| 1626 | PC-272 | 0.24 | future |
| 1627 | PC-273 | 0.24 | future |
| 1628 | PC-274 | 0.24 | future |
| 1630 | PC-276 | 0.24 | future |
| 1631 | PC-277 | 0.24 | future |
| 1632 | PC-278 | 0.24 | future |
| 1633 | PC-279 | 0.24 | future |
| 1634 | PC-280 | 0.24 | future |
| 1635 | PC-281 | 0.24 | future |
| 1636 | PC-282 | 0.24 | future |
| 1637 | PC-283 | 0.24 | future |
| 1639 | PC-285 | 0.24 | future |
| 1640 | PC-286 | 0.24 | future |
| 1641 | PC-287 | 0.24 | future |
| 1642 | PC-288 | 0.24 | future |
| 1643 | PC-289 | 0.24 | future |
| 1644 | PC-290 | 0.24 | future |
| 1645 | PC-291 | 0.24 | future |
| 1646 | PC-292 | 0.24 | future |
| 1647 | PC-293 | 0.24 | future |
| 1648 | PC-294 | 0.24 | future |
| 1649 | PC-295 | 0.24 | future |
| 1650 | PC-296 | 0.24 | future |
| 1651 | PC-297 | 0.24 | future |
| 1652 | PC-298 | 0.24 | future |
| 1653 | PC-299 | 0.24 | future |
| 1654 | PC-300 | 0.24 | future |
| 1655 | PC-301 | 0.24 | future |
| 1656 | PC-302 | 0.24 | future |
| 1657 | PC-303 | 0.24 | future |
| 1658 | PC-304 | 0.24 | future |
| 1659 | PC-305 | 0.24 | future |
| 1660 | PC-306 | 0.24 | future |
| 1661 | PC-307 | 0.24 | future |

Existing Scenario - ADD

Property Connection Table - Time: 0.00 hours

| ID | Label | Base Flow (gal/min) | Notes |
|------|--------|------------------------|--------|
| 1662 | PC-308 | 0.24 | future |
| 1663 | PC-309 | 0.24 | future |
| 1664 | PC-310 | 0.24 | future |
| 1670 | PC-316 | 0.24 | future |
| 1672 | PC-318 | 0.24 | future |
| 1673 | PC-319 | 0.24 | future |
| 1674 | PC-320 | 0.24 | future |
| 1675 | PC-321 | 0.24 | future |
| 1676 | PC-322 | 0.24 | future |
| 1677 | PC-323 | 0.24 | future |
| 1678 | PC-324 | 0.24 | future |
| 1679 | PC-325 | 0.24 | future |
| 1681 | PC-327 | 0.24 | future |
| 1683 | PC-329 | 0.24 | future |
| 1684 | PC-330 | 0.24 | future |
| 1685 | PC-331 | 0.24 | future |
| 1686 | PC-332 | 0.24 | future |
| 1687 | PC-333 | 0.24 | future |
| 1688 | PC-334 | 0.24 | future |
| 1689 | PC-335 | 0.24 | future |
| 1690 | PC-336 | 0.24 | future |
| 1691 | PC-337 | 0.24 | future |
| 1692 | PC-338 | 0.24 | future |
| 1693 | PC-339 | 0.24 | future |
| 1694 | PC-340 | 0.24 | future |
| 1695 | PC-341 | 0.24 | future |
| 1696 | PC-342 | 0.24 | future |
| 1698 | PC-344 | 0.24 | future |
| 1699 | PC-345 | 0.24 | future |
| 1700 | PC-346 | 0.24 | future |
| 1701 | PC-347 | 0.24 | future |
| 1702 | PC-348 | 0.24 | future |
| 1703 | PC-349 | 0.24 | future |
| 1704 | PC-350 | 0.24 | future |
| 1705 | PC-351 | 0.24 | future |
| 1706 | PC-352 | 0.24 | future |
| 1707 | PC-353 | 0.24 | future |
| 1708 | PC-354 | 0.24 | future |
| 1709 | PC-355 | 0.24 | future |
| 1710 | PC-356 | 0.24 | future |
| 1711 | PC-357 | 0.24 | future |
| 1712 | PC-358 | 0.24 | future |
| 1713 | PC-359 | 0.24 | future |
| 1714 | PC-360 | 0.24 | future |
| 1715 | PC-361 | 0.24 | future |
| 1716 | PC-362 | 0.24 | future |
| 1717 | PC-363 | 0.24 | future |

Existing Scenario - ADD**Property Connection Table - Time: 0.00 hours**

| ID | Label | Base Flow (gal/min) | Notes |
|------|--------|------------------------|--------|
| 1718 | PC-364 | 0.24 | future |
| 1719 | PC-365 | 0.24 | future |
| 1720 | PC-366 | 0.24 | future |
| 1721 | PC-367 | 0.24 | future |
| 1722 | PC-368 | 0.24 | future |
| 1723 | PC-369 | 0.24 | future |
| 1724 | PC-370 | 0.24 | future |
| 1725 | PC-371 | 0.24 | future |
| 1726 | PC-372 | 0.24 | future |
| 1727 | PC-373 | 0.24 | future |
| 1728 | PC-374 | 0.24 | future |
| 1729 | PC-375 | 0.24 | future |
| 1730 | PC-376 | 0.24 | future |
| 1731 | PC-377 | 0.24 | future |
| 1732 | PC-378 | 0.24 | future |

Transition Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Invert) (ft) | Flow (Total Out) (gal/min) | Depth (Out) (ft) | Hydraulic Grade Line (Out) (ft) |
|------------------------|-------|-------------------------------|-------------------------------|----------------------------------|---------------------|--|
| 498 | T-1 | 6,270.00 | 6,241.00 | 250.16 | 136.41 | 6,377.41 |
| 513 | T-2 | 6,309.45 | 6,297.00 | 397.34 | 138.15 | 6,435.15 |
| 1504 | T-6 | 6,354.05 | 6,338.05 | 0.00 | 0.00 | 6,299.90 |
| Transition Length (ft) | | | | | | |
| 5.0 | | | | | | |
| 5.0 | | | | | | |
| 5.0 | | | | | | |

Outfall Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Set Rim to Ground Elevation? | Elevation (Invert) (ft) | Boundary Condition Type | Hydraulic Grade (ft) |
|----------------------------|-------|-------------------------------|------------------------------------|-------------------------------|----------------------------|----------------------------|
| 624 | O-12 | 6,280.18 | True | 6,261.57 | Free Outfall | 6,295.62 |
| Flow (Total Out) (gal/min) | | | | | | |
| 175.62 | | | | | | |

Pump Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Invert) (ft) | Pump Definition | Elevation (On) (ft) | Elevation (Off) (ft) |
|-----|-------|-------------------------------|-------------------------------|-----------------------------|------------------------|-------------------------|
| 497 | PMP-1 | 6,261.00 | 6,241.00 | Replacement Vantage Pump | 6,241.50 | 6,241.00 |

Existing Scenario - ADD
Pump Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Invert) (ft) | Pump Definition | Elevation (On) (ft) | Elevation (Off) (ft) |
|--------------------------|---------------------|--|--|------------------------------------|--|-------------------------|
| 512 | PMP-2 | 6,309.45 | 6,297.00 | Deadman's Gulch Lift Station | 6,297.50 | 6,297.00 |
| 1181 | PMP-4 | 0.00 | 0.00 | <None> | 0.00 | 0.00 |
| 1182 | PMP-5 | 0.00 | 0.00 | <None> | 0.00 | 0.00 |
| 1183 | PMP-6 | 0.00 | 0.00 | <None> | 0.00 | 0.00 |
| 1185 | PMP-8 | 0.00 | 0.00 | <None> | 0.00 | 0.00 |
| 1501 | PMP-9 | 6,354.05 | 6,338.05 | Deer Waters | 6,338.55 | 6,338.05 |
| Flow (Pump) (gal/min) | Head (Pump) (ft) | Hydraulic Grade (Upstream) (ft) | Hydraulic Grade (Downstream) (ft) | Is Active? | Notes | |
| 249.77 | 116.68 | 6,261.00 | 6,377.68 | True | from kent: pumps are pushing out more than they were designed for, pump was designed to handle the existing homes coming here. when the pumps kick on, there are pushing more than what the pump says. between 290-360 gpm | |
| 397.49 | 137.24 | 6,298.00 | 6,435.24 | True | | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | | |
| (N/A) | (N/A) | (N/A) | (N/A) | False | | |
| 0.00 | 0.00 | 6,338.05 | 6,299.90 | True | | |

Wet Well Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (Maximum) (ft) | Is Active? | Hydraulic Grade (ft) | Depth (Node) (ft) |
|--------------------------------|-------|-------------------------------|--------------------------------|------------|----------------------------|----------------------|
| 496 | W-1 | 6,270.00 | 6,261.00 | True | 6,261.00 | 20.00 |
| 516 | W-4 | 6,309.45 | 6,308.00 | True | 6,298.00 | 10.00 |
| 1498 | W-8 | 6,312.00 | 6,348.05 | True | 6,338.05 | 110.00 |
| Elevation (Initial) (ft) | | | | | | |
| 6,242.00 | | | | | | |
| 6,298.00 | | | | | | |
| 6,338.05 | | | | | | |

Pressure Junction Table - Time: 0.00 hours

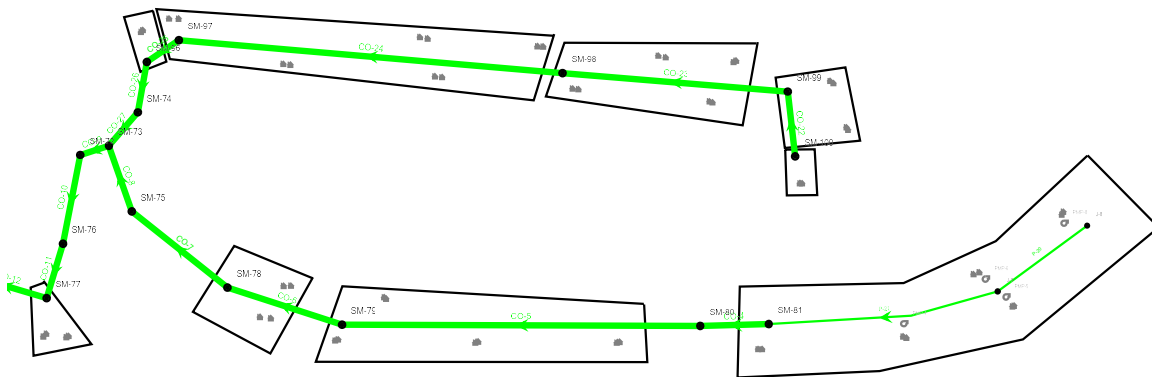
| ID | Label | Elevation (Ground) (ft) | Elevation (ft) | Hydraulic Grade (ft) |
|------|-------|-------------------------------|-------------------|----------------------------|
| 1157 | J-6 | 6,505.88 | 6,495.12 | 6,495.13 |
| 1177 | J-8 | 6,828.64 | 6,795.00 | 6,815.50 |

Existing Scenario - ADD

Pressure Junction Table - Time: 0.00 hours

| ID | Label | Elevation (Ground) (ft) | Elevation (ft) | Hydraulic Grade (ft) |
|------|-------|-------------------------------|-------------------|----------------------------|
| 1178 | J-9 | 6,827.64 | 6,800.00 | 6,815.50 |
| 1548 | J-10 | 6,272.01 | 6,265.57 | 6,299.90 |
| 1551 | J-11 | 6,272.01 | 6,267.01 | 6,316.42 |
| 1561 | J-12 | 6,349.22 | 6,344.22 | 6,379.19 |
| 1570 | J-15 | 6,326.58 | 6,317.91 | 6,411.04 |

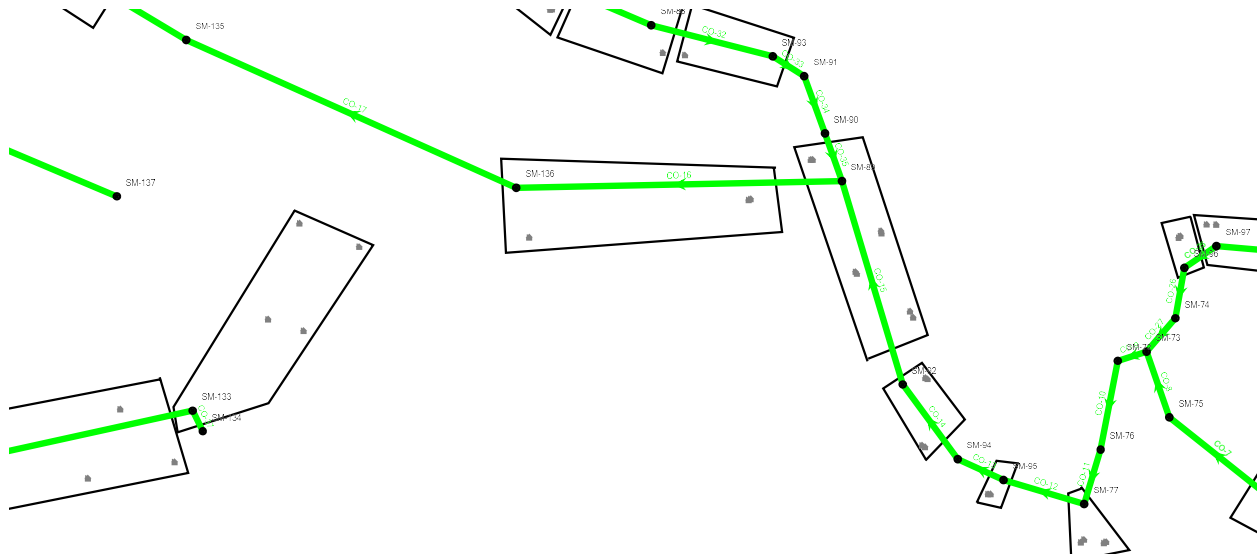
Rustler - Time: 0.00 hours



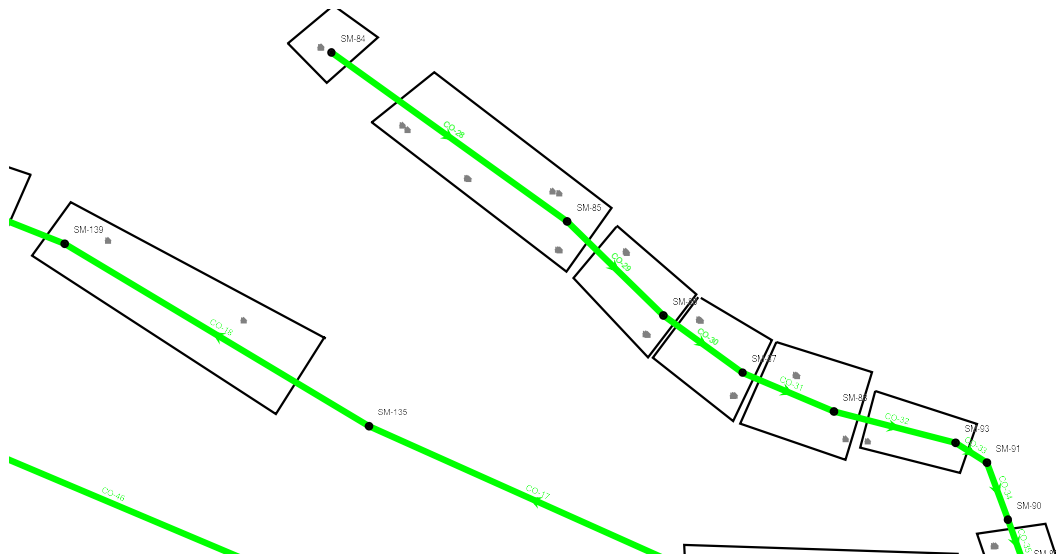
Rustler2 - Time: 0.00 hours

Existing Scenario - ADD

Rustler2 - Time: 0.00 hours

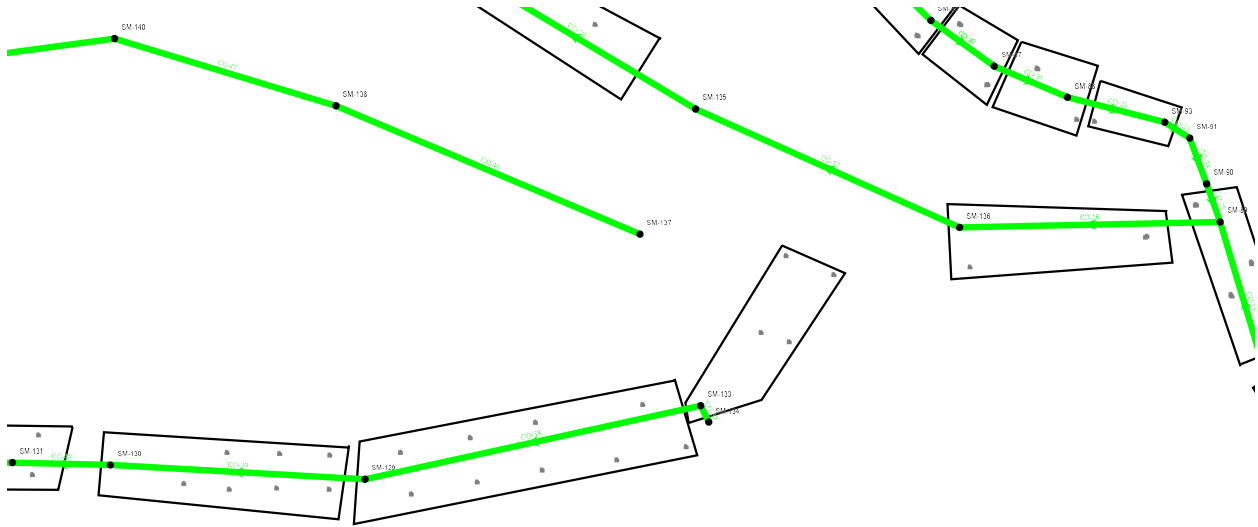


Rustler 3 - Time: 0.00 hours

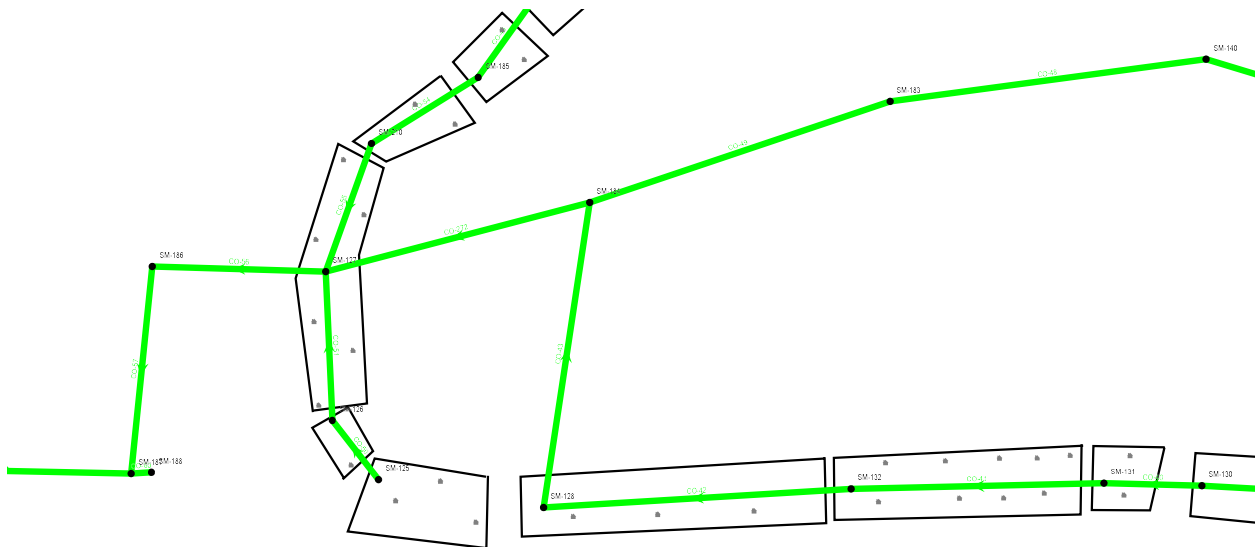


Glistening Ridge - Time: 0.00 hours

Existing Scenario - ADD
Glistening Ridge - Time: 0.00 hours

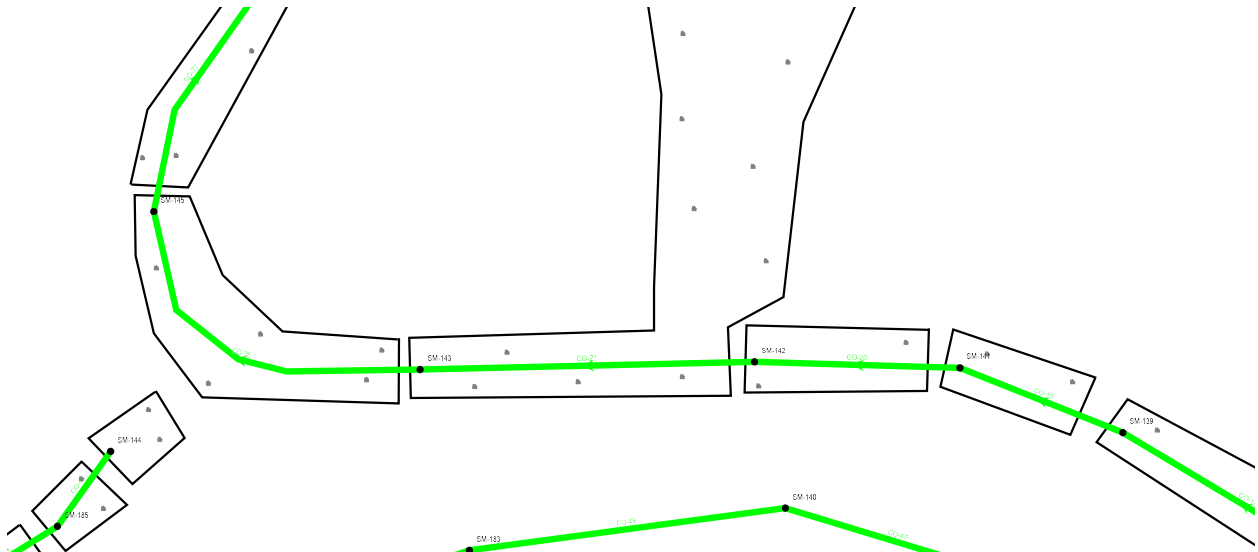


Glistening Ridge2 - Time: 0.00 hours

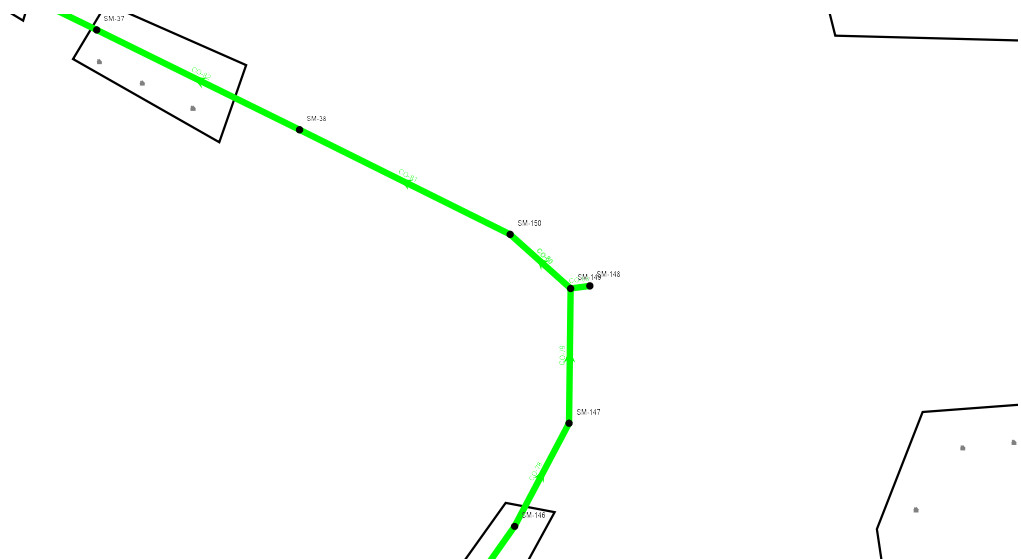


Glistening Ridge 3 - Time: 0.00 hours

Existing Scenario - ADD
Glistening Ridge 3 - Time: 0.00 hours

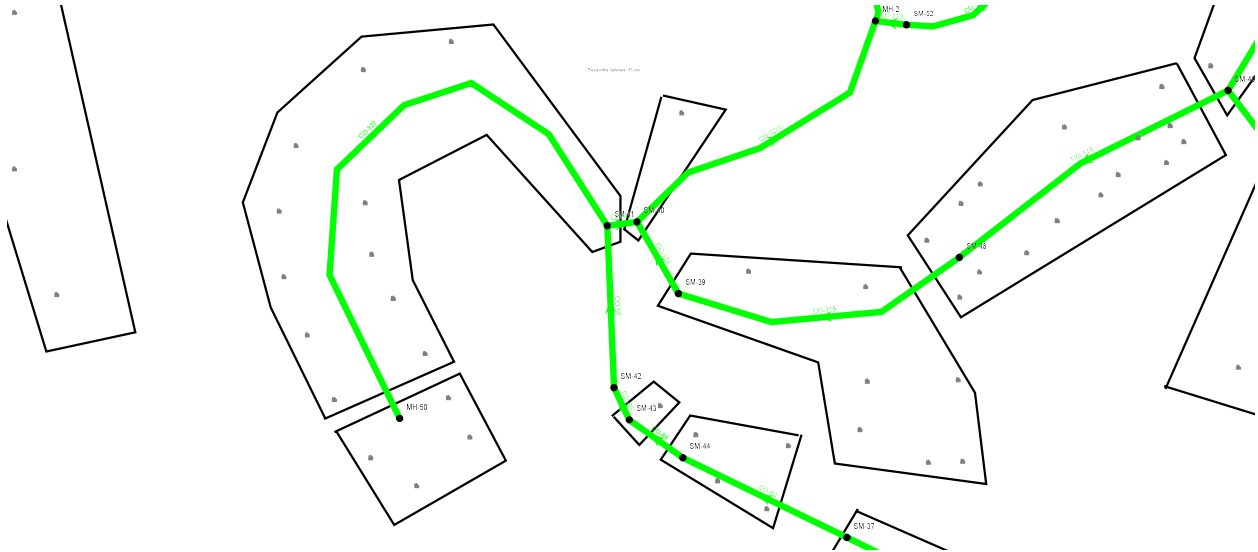


Longview Dr - Time: 0.00 hours

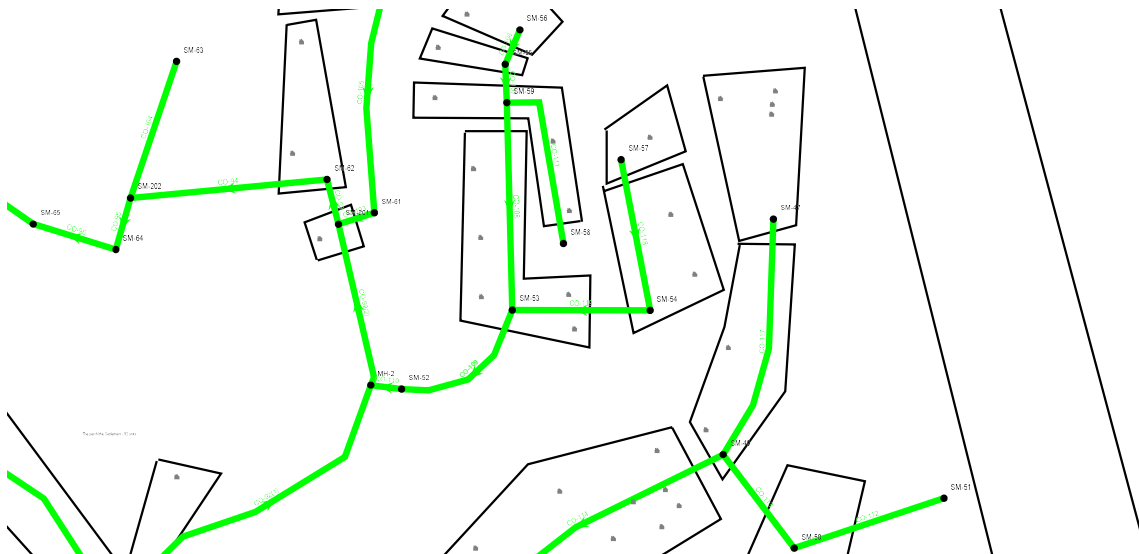


Round-a-bout - Time: 0.00 hours

Existing Scenario - ADD
Round-a-bout - Time: 0.00 hours



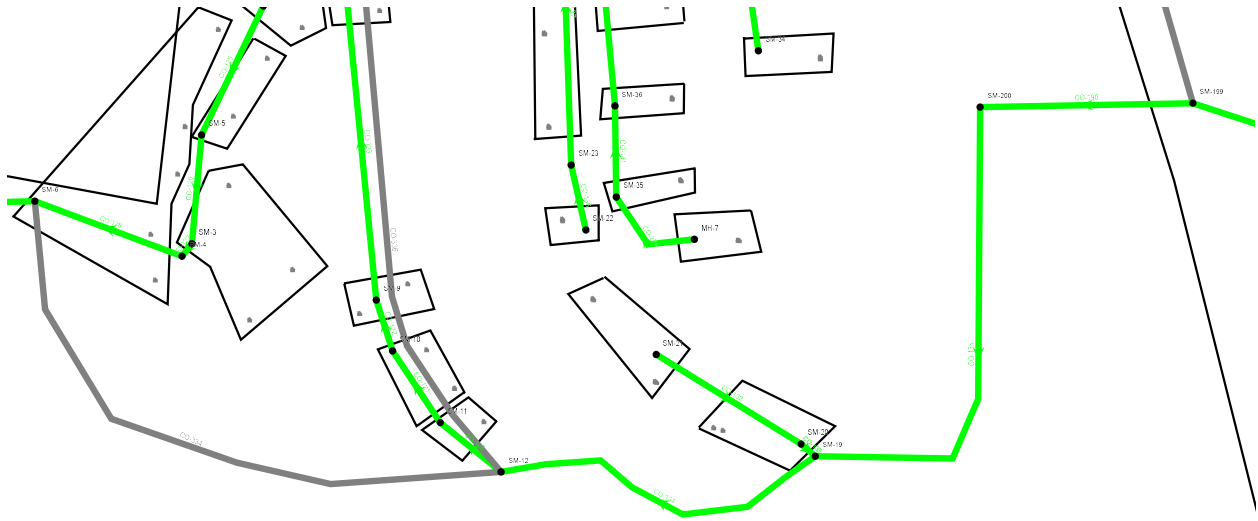
City Hall - Time: 0.00 hours



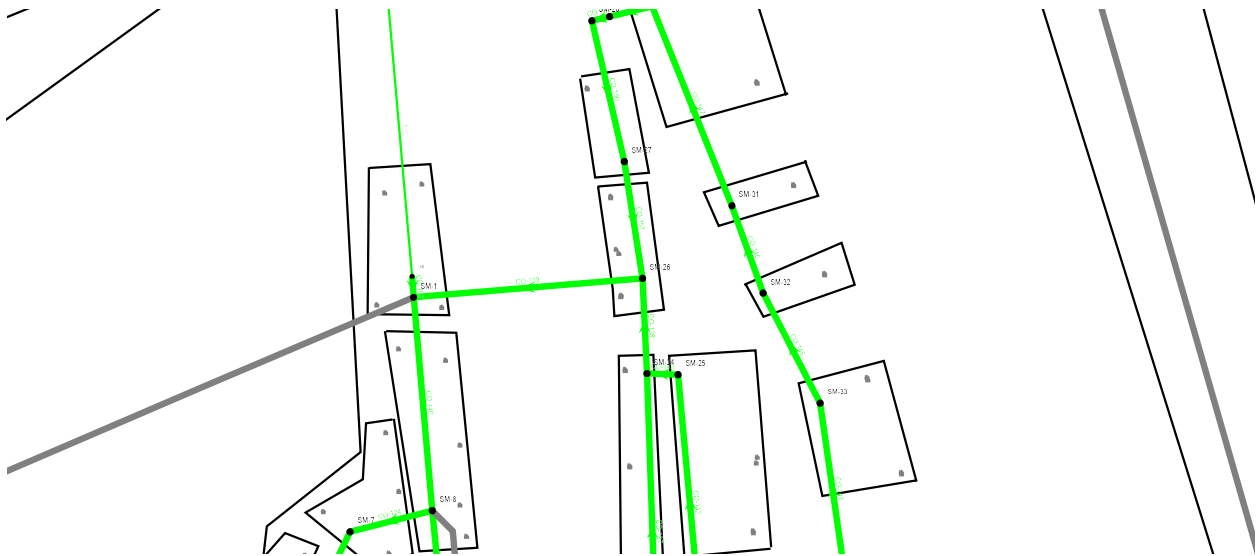
Silver Sky - Time: 0.00 hours

Existing Scenario - ADD

Silver Sky - Time: 0.00 hours



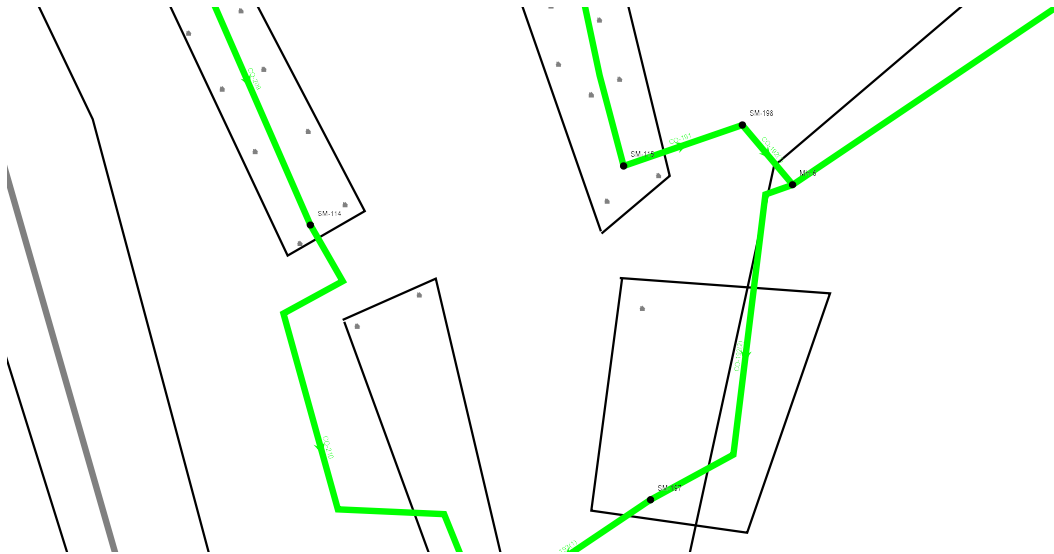
Shoreline Ph 1 - Time: 0.00 hours



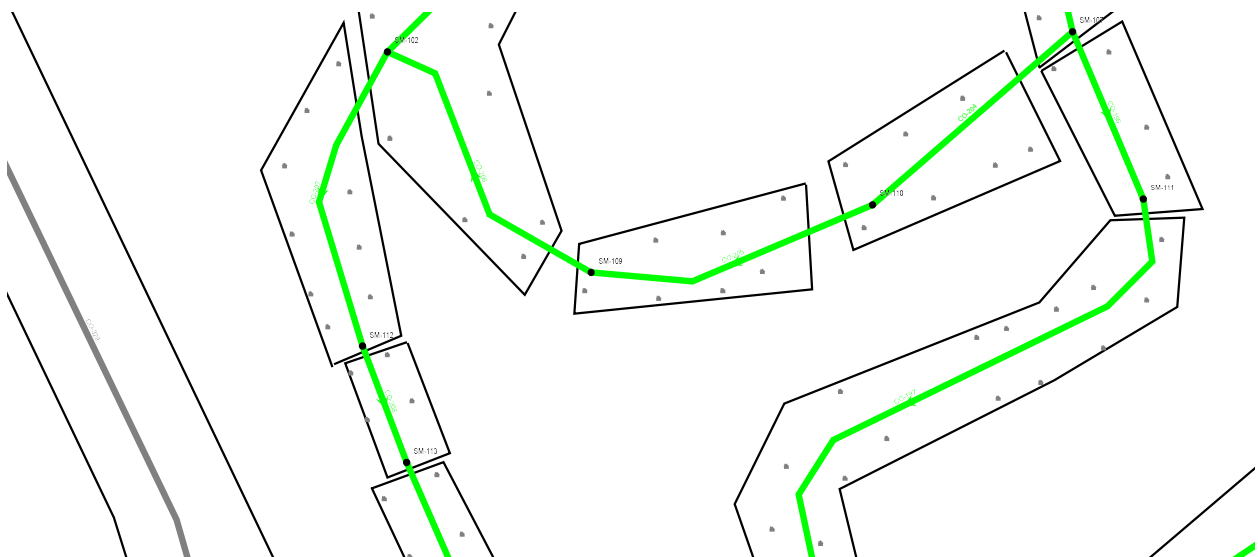
Soaring Hawk - Time: 0.00 hours

Existing Scenario - ADD

Soaring Hawk - Time: 0.00 hours



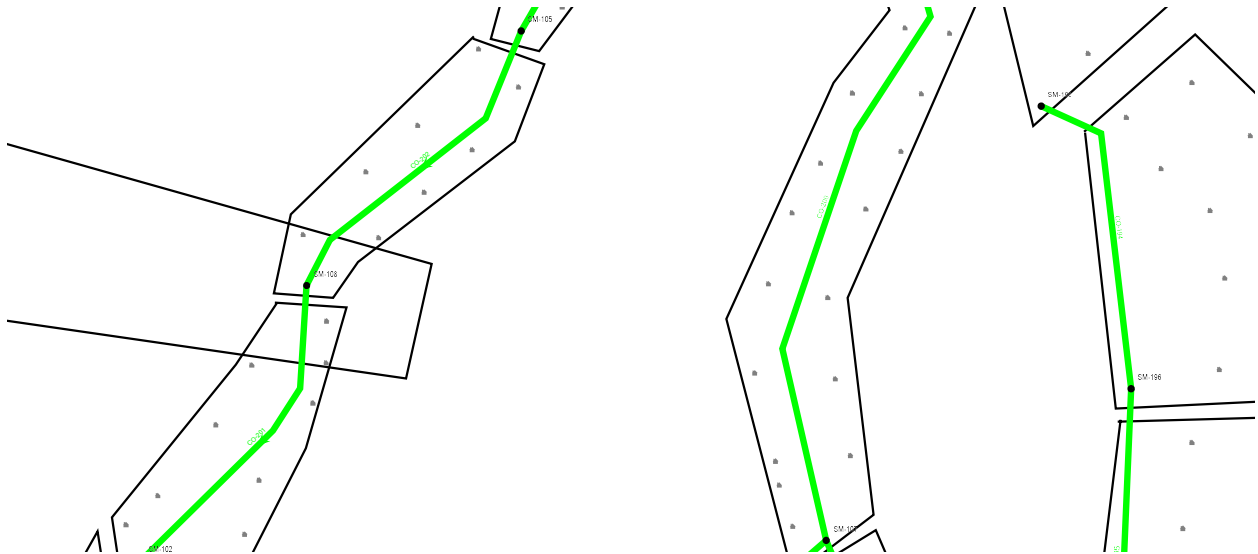
Soaring Hawk2 - Time: 0.00 hours



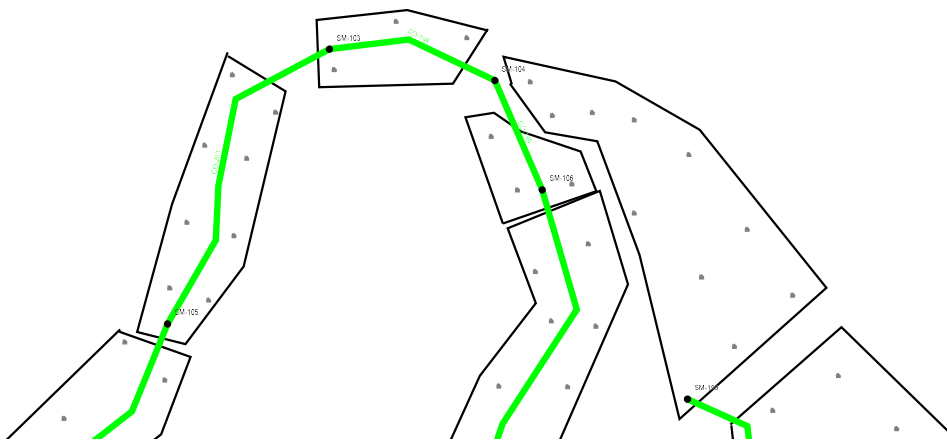
Soaring Hawk 3 - Time: 0.00 hours

Existing Scenario - ADD

Soaring Hawk 3 - Time: 0.00 hours



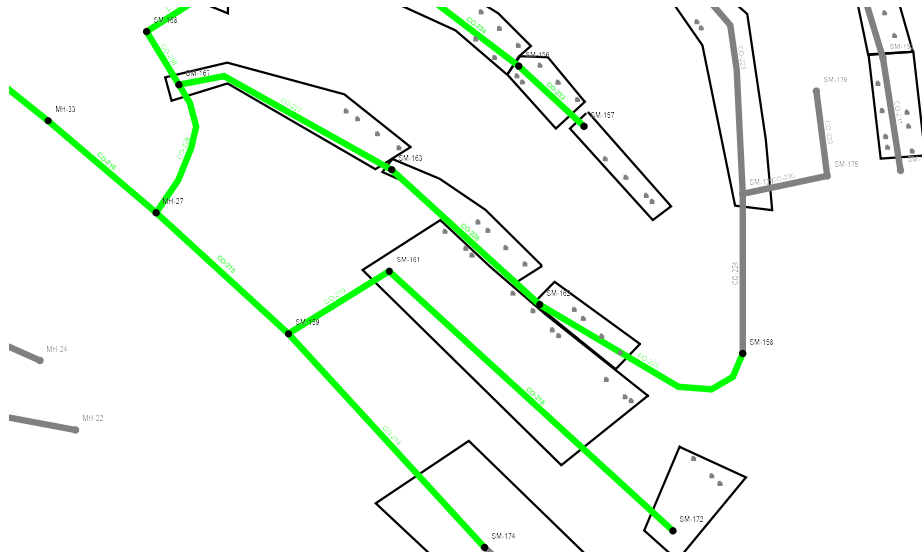
Soaring Hawk 4 - Time: 0.00 hours



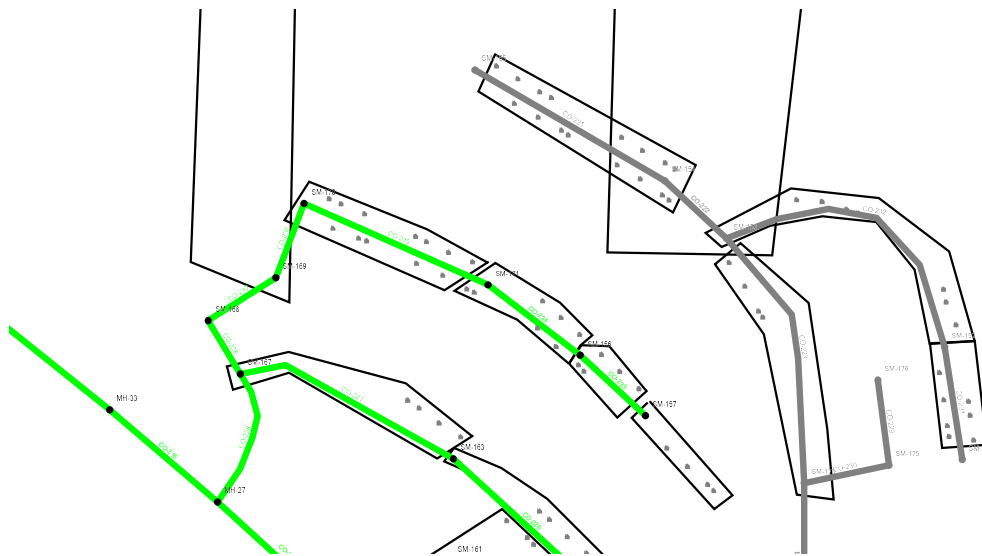
Klaim - Time: 0.00 hours

Existing Scenario - ADD

Klaim - Time: 0.00 hours

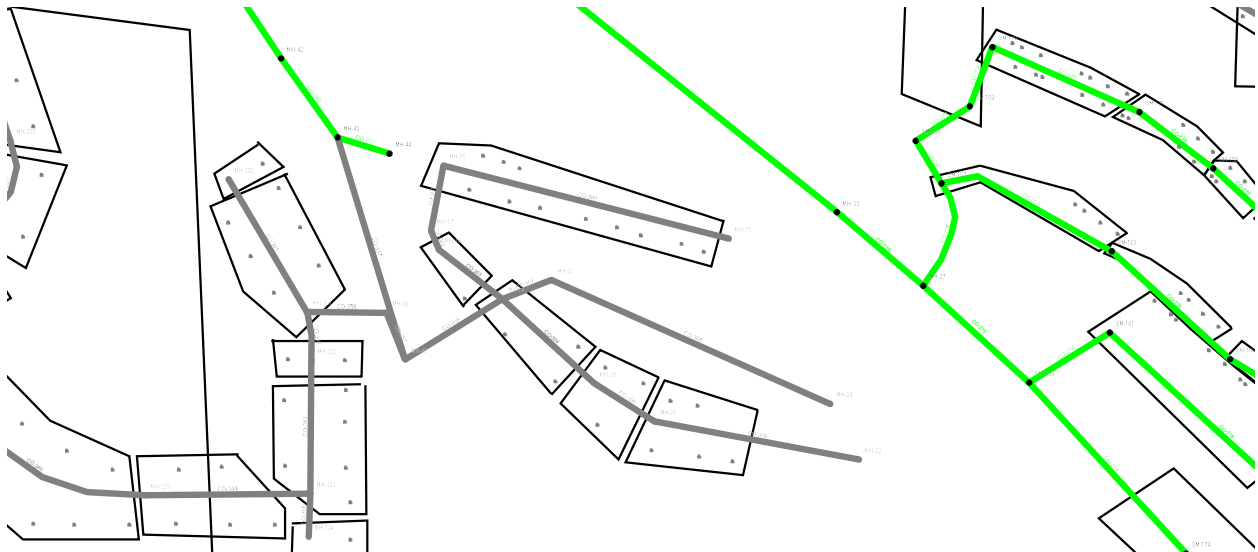


Klaim2 - Time: 0.00 hours

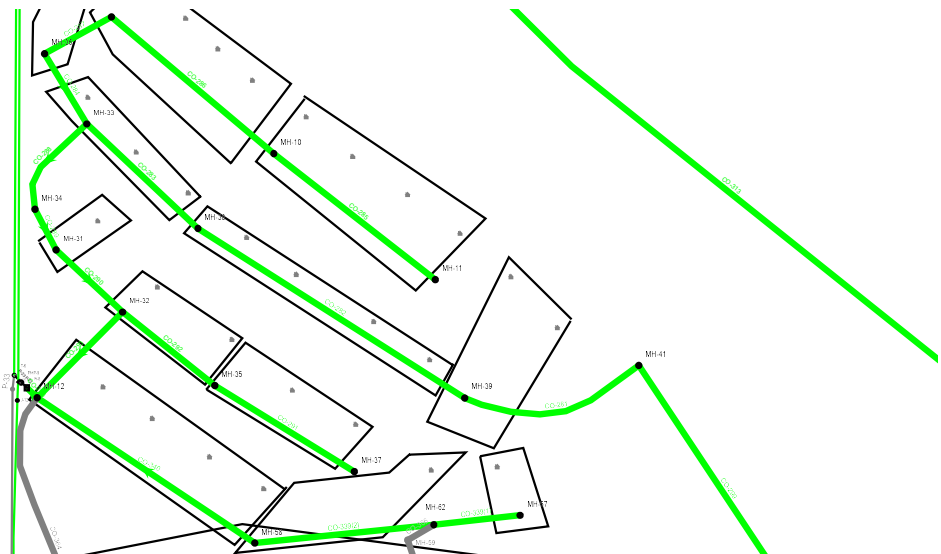


Deer Waters Ph3 - Time: 0.00 hours

Existing Scenario - ADD
Deer Waters Ph3 - Time: 0.00 hours

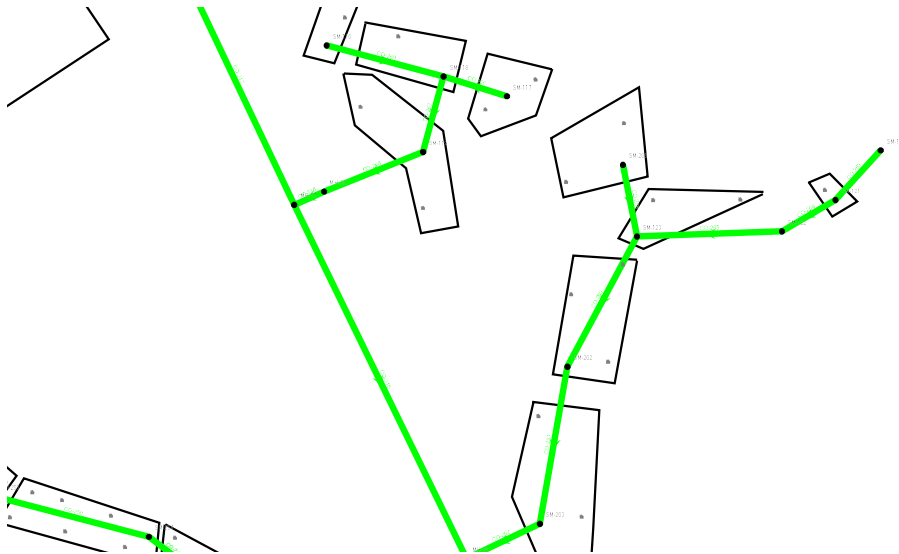


Deer Waters Ph1 - Time: 0.00 hours

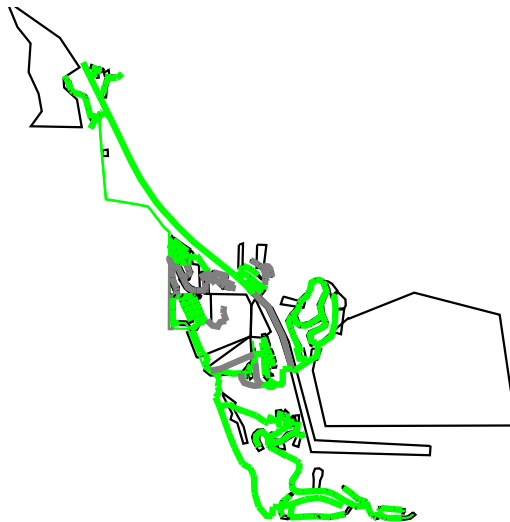


Deer Mountain - Time: 0.00 hours

Existing Scenario - ADD
Deer Mountain - Time: 0.00 hours



Existing Scenario - Time: 0.00 hours



Future Conditions-ADD

File Attachments for Item:

6. Discussion and possible action to adopt FY2022 Tentative Budget



FY2021-2022 Preliminary Budget

Town of Hideout

May 14, 2021



Committee Members

- Mayor Rubin
- Ralph Severini
- Gwen Wetzel
- Kurt Shadle
- Jan McCosh
- Wes Bingham



General Fund



Current Fiscal Circumstances

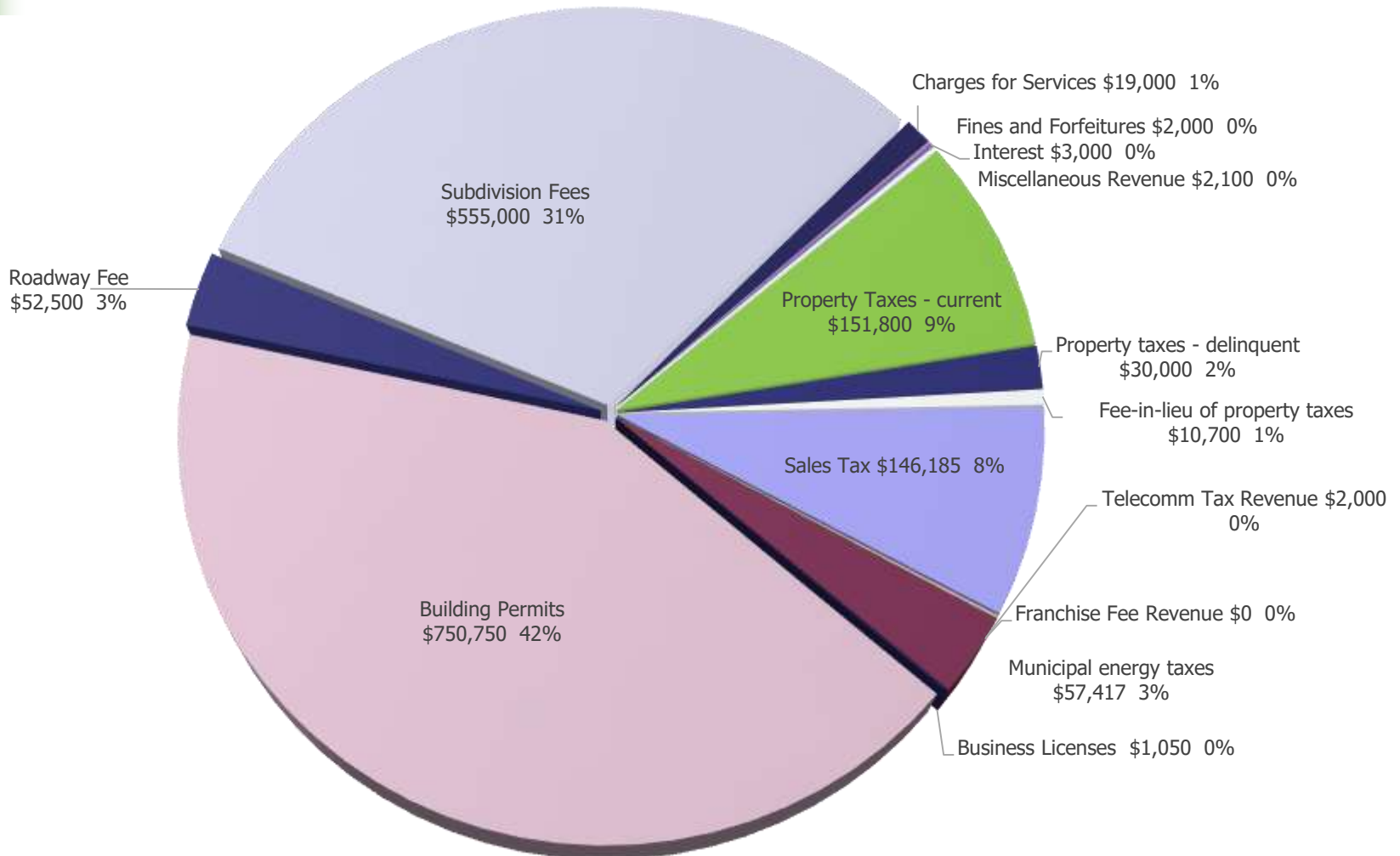
- Hideout is experiencing a tremendous building boom with very strong demand for new construction.
- This rapid construction and population increase is stretching the Town's ability to monitor and contain many of the resulting issues stemming from this boom.



Revenue Assumptions

- No increase in property tax rate again this year
- No transfer from Reserve Fund to balance budget
- Developers will pull 128 building permits vs. a projected 126 permits in FY21
- Significant revenue will be generated from new Subdivision Fees
- Sales tax revenue distributed by the state will increase by 10% as the Town's population has increased
- Class C road allotment funds from the state will increase as there are 2 miles of new roads

Revenue Sources



Property Taxes

- Property Taxes Remain Low Compared to Other Communities
- Property Taxes are Less Than 10% of Revenue
- As New Construction Slows, Taxes on par with other towns may only supply ~15% of our budgetary needs

| | Property Tax Rate | Tax on \$500K Home |
|--------------|-------------------|--------------------|
| Hideout Town | 0.000866 | 433.00 |
| Hyrum | 0.000992 | 496.00 |
| Heber City | 0.001013 | 506.50 |
| Newton | 0.00114 | 570.00 |
| Oakley | 0.001145 | 572.50 |
| Midway | 0.001261 | 630.50 |
| Kamas | 0.001391 | 695.50 |
| Logan | 0.001473 | 736.50 |
| North Logan | 0.001493 | 746.50 |
| Francis | 0.00154 | 770.00 |
| Brigham City | 0.001802 | 901.00 |
| Park City | 0.002076 | 1,038.00 |
| Tremonton | 0.002413 | 1,206.50 |
| Coalville | 0.00256 | 1,280.00 |
| Average | 0.001512 | 755.89 |



Expense Projections

- Hire of new Public Works/Town Engineer (1/3 to General Fund)
- Hire new Town Building Inspector which will save the Town money over current practices
- Full-time employees will receive state health and pension benefits
- Continued use of County Sheriff for regular police patrol and increased traffic signage
- Increased use of Town Planner



Enterprise Fund



Revenue Assumptions

- **Rate increase is anticipated**, JSSD increased their rates to the Town by 5% last year which were not passed on at that time
- Connection fees will be up in line with anticipated increase in building permit pulls



Expense Projections

- Hire of new Public Works/Town Engineer (2/3 to Enterprise budget)
- Water and sewer models are scheduled to be performed to assess infrastructure deficiencies and costs to repair
- Town will continue to attempt to outsource to JSSD the standard repair and maintenance of our water and sewer infrastructure

Town of Hideout
State Budget Report
10 General Fund - 07/01/2021 to 06/30/2022
100.00% of the fiscal year has expired

| | 2020 Actual | 2021 Actual | 2021 Original Budget | 2021 Revised Budget | 2022 Original Budget |
|---|----------------|----------------|----------------------------|---------------------------|----------------------------|
| Change In Net Position | | | | | |
| Revenue: | | | | | |
| Taxes | | | | | |
| 3110 Property taxes - current | 119,686 | 125,911 | 131,480 | 131,480 | 151,800 |
| 3120 Prior year property taxes - delinquent | 33,174 | 7,617 | 7,500 | 7,500 | 30,000 |
| 3124 Fee-in-lieu of property taxes | 10,705 | 2,390 | 1,200 | 1,200 | 10,700 |
| 3130 Sales tax | 129,024 | 85,542 | 90,000 | 90,000 | 146,185 |
| 3135 Telecomm Tax Revenue | 1,938 | - | 1,840 | 1,840 | 2,000 |
| 3137 Franchise Fee Revenue | - | 1,796 | 700 | 700 | - |
| 3140 Municipal energy taxes | 48,473 | 39,259 | 39,300 | 39,300 | 57,417 |
| Total Taxes | 343,000 | 262,515 | 272,020 | 272,020 | 398,102 |
| Licenses and permits | | | | | |
| 3210 Business licenses | 525 | 1,050 | 300 | 300 | 1,050 |
| 3221 Building permits | 348,607 | 566,962 | 250,000 | 250,000 | 750,750 |
| 3222 Roadway Fee | - | 46,500 | - | - | 52,500 |
| 3229 Subdivision fees | 6,935 | 25,380 | - | - | 555,000 |
| 3230 Professional Services Billed | 90 | - | - | - | - |
| Total Licenses and permits | 356,157 | 639,892 | 250,300 | 250,300 | 1,359,300 |
| Intergovernmental revenue | | | | | |
| 3356 Class C road allotment | 64,249 | - | 78,000 | 78,000 | - |
| Total Intergovernmental revenue | 64,249 | - | 78,000 | 78,000 | - |
| Charges for services | | | | | |
| 3231 Planning & Zoning Fees | - | 4,864 | 130,000 | 130,000 | - |
| 3490 Other services revenue | 200 | 18,571 | 200 | 200 | 19,000 |
| Total Charges for services | 200 | 23,435 | 130,200 | 130,200 | 19,000 |
| Fines and forfeitures | | | | | |
| 3510 Fines and forfeitures | 6,718 | 2,800 | 2,500 | 2,500 | 2,000 |
| Total Fines and forfeitures | 6,718 | 2,800 | 2,500 | 2,500 | 2,000 |
| Interest | | | | | |
| 3610 Interest earnings | 3,131 | 1,585 | 4,200 | 4,200 | 3,000 |
| Total Interest | 3,131 | 1,585 | 4,200 | 4,200 | 3,000 |
| Miscellaneous revenue | | | | | |
| 3620 Building rental income | 100 | - | - | - | 100 |
| 3690 Other revenue | 1,610 | 5,715 | 1,200 | 1,200 | 2,000 |
| Total Miscellaneous revenue | 1,710 | 5,715 | 1,200 | 1,200 | 2,100 |
| Total Revenue: | 775,165 | 935,942 | 738,420 | 738,420 | 1,783,502 |
| Expenditures: | | | | | |
| General government | | | | | |
| Administrative | | | | | |
| 5001.1 Admin Contract services | 17,323 | 2,489 | 5,000 | 5,000 | 5,000 |
| 5001.2 Admin Council pay | 3,260 | 2,424 | 3,600 | 3,600 | 3,600 |
| 5001.4 Admin Insurance | 11,568 | 11,746 | 2,500 | 2,500 | 12,000 |
| 5001.6 Admin Mileage reimbursement | 2,683 | 2,096 | 2,500 | 2,500 | 2,600 |
| 5001.7 Admin Office supplies | 20,114 | 1,826 | 3,000 | 3,000 | 3,000 |
| 5001.8 Admin Personnel | 72,100 | 72,353 | 95,000 | 95,000 | 121,527 |
| 5001.9 Admin Public notices | 2,641 | 1,635 | 3,500 | 3,500 | 3,000 |
| 5001.A Admin Security Alarm Monitoring | 880 | 5,716 | 1,000 | 1,000 | 1,000 |
| 5003 Admin Benefits | 11,239 | 29,182 | 16,500 | 16,500 | 39,510 |
| 5004 Admin Other | 10,370 | 692 | 1,000 | 1,000 | 1,000 |
| 5009 Admin CARES Act Expenditures | 12,919 | 11,072 | - | - | - |
| 5010 Admin Information Technology | 15,661 | 11,780 | 7,840 | 7,840 | 12,000 |
| 5016 Admin Telephone | 5,452 | 5,128 | 2,800 | 2,800 | 5,500 |
| 5017 Admin Training | 3,059 | 1,266 | 875 | 875 | 875 |
| 5018 Admin Website | 859 | - | 350 | 350 | 350 |
| 5019 Admin Membership | 1,642 | 708 | 1,200 | 1,200 | 1,200 |
| 5030 Admin Repairs & maintenance | 3,929 | 2,763 | 4,200 | 4,200 | 4,200 |
| 5050 Admin Utilities | 3,663 | 6,961 | 4,000 | 4,000 | 4,000 |
| 5069 Miscellaneous | (237) | 9,299 | 500 | 500 | 500 |
| Total Administrative | 199,125 | 179,136 | 155,365 | 155,365 | 220,862 |
| Professional services | | | | | |
| 5002.1 Accounting | 2,710 | 11,408 | 3,500 | 3,500 | 12,000 |

Town of Hideout
State Budget Report
10 General Fund - 07/01/2021 to 06/30/2022
100.00% of the fiscal year has expired

| | 2020 Actual | 2021 Actual | 2021 Original Budget | 2021 Revised Budget | 2022 Original Budget |
|-------------------------------------|----------------|----------------|----------------------------|---------------------------|----------------------------|
| 5002.2 Legal | 68,259 | 116,519 | 64,000 | 64,000 | 135,000 |
| 5002.3 Engineering | 30,252 | 106,793 | 17,500 | 17,500 | 140,000 |
| 5002.4 Building inspection | 150,659 | 171,928 | 125,000 | 125,000 | 275,000 |
| 5002.5 Plan prints | 1,631 | 317 | 2,500 | 2,500 | 2,500 |
| 5002.50 Engineering DRC Review | - | 8,933 | 45,000 | 45,000 | 45,000 |
| 5002.6 Auditor | 10,000 | - | - | - | 12,000 |
| 5002.60 Planning | - | 21,763 | 30,000 | 30,000 | 372,500 |
| 5002.65 Building Plan Review | - | 22,150 | 45,000 | 45,000 | 45,000 |
| Total Professional services | 263,511 | 459,811 | 332,500 | 332,500 | 1,039,000 |
| Non-Departmental | | | | | |
| 5480 CAPITAL PROJECTS | 2,860 | - | - | - | - |
| Total Non-Departmental | 2,860 | - | - | - | - |
| Total General government | 466,371 | 638,947 | 487,865 | 487,865 | 1,259,862 |
| Public Safety | | | | | |
| 5101 Safety Personnel | 1,200 | - | 11,000 | 11,000 | - |
| 5102 Safety CARES Act Expenditures | 729 | - | - | - | - |
| 5103 Safety Maintenance | - | 5,849 | - | - | 5,000 |
| 5105 Safety Police department | - | 34,102 | 40,000 | 40,000 | 75,000 |
| 5305 Animal Services | - | - | - | - | 10,500 |
| Total Public Safety | 1,929 | 39,951 | 51,000 | 51,000 | 90,500 |
| Streets | | | | | |
| 5201 Streets Personnel | 58,934 | 29,006 | 50,000 | 50,000 | 74,390 |
| 5202 Streets Auto maintenance | 1,172 | 1,180 | 2,500 | 2,500 | 2,500 |
| 5203 Streets Benefits | 613 | 1,892 | 5,400 | 5,400 | 29,943 |
| 5204 Streets Fuel | 3,916 | 4,951 | 4,500 | 4,500 | 5,000 |
| 5205 Streets Materials & Supplies | 10,575 | 15,621 | 12,000 | 12,000 | 16,000 |
| 5208 Streets Repair & maintenance | 61,059 | 90,462 | 50,000 | 50,000 | 25,000 |
| 5209 Streets Equipment lease | 17,918 | 4,010 | 23,000 | 23,000 | - |
| 5210 Streets Insurance | 1,044 | - | 1,000 | 1,000 | 1,000 |
| Total Streets | 155,231 | 147,122 | 148,400 | 148,400 | 153,833 |
| Parks | | | | | |
| 5450 Parks and Recreation | 4,000 | 530 | 5,000 | 5,000 | 5,000 |
| Total Parks | 4,000 | 530 | 5,000 | 5,000 | 5,000 |
| Miscellaneous | | | | | |
| 5650 Community Development | - | - | 15,000 | 15,000 | 15,000 |
| Total Miscellaneous | - | - | 15,000 | 15,000 | 15,000 |
| Debt service | | | | | |
| 5800 Principal | 14,000 | 15,000 | 14,000 | 14,000 | 15,000 |
| 5801 Interest | 11,525 | 11,175 | 11,525 | 11,525 | 11,500 |
| Total Debt service | 25,525 | 26,175 | 25,525 | 25,525 | 26,500 |
| Total Expenditures: | 652,181 | 852,725 | 732,790 | 732,790 | 1,550,695 |
| Total Change In Net Position | 122,984 | 83,217 | 5,630 | 5,630 | 232,807 |

Town of Hideout
State Budget Report
22 Covid 19 Fund - 07/01/2021 to 06/30/2022
100.00% of the fiscal year has expired

| | 2020 Actual | 2021 Actual | 2021 Original Budget | 2021 Revised Budget | 2022 Original Budget |
|--|----------------|----------------|----------------------------|---------------------------|----------------------------|
| Change In Net Position | | | | | |
| Revenue: | | | | | |
| Intergovernmental revenue | | | | | |
| 3310 Grant Revenue | - | 84,935 | - | 58,778 | 107,000 |
| Total Intergovernmental revenue | - | 84,935 | - | 58,778 | 107,000 |
| Interest | | | | | |
| 3610 Interest earnings | - | 9 | - | - | - |
| Total Interest | - | 9 | - | - | - |
| Contributions and transfers | | | | | |
| 3810 Transfer From General Fund | - | - | - | 60,269 | - |
| Total Contributions and transfers | - | - | - | 60,269 | - |
| Total Revenue: | - | 84,944 | - | 119,047 | 107,000 |
| Expenditures: | | | | | |
| General government | | | | | |
| Administrative | | | | | |
| 4011 Salaries & Wages | - | 11,560 | - | 11,560 | - |
| 5010 Admin Information Technology | - | 23,477 | - | 23,099 | - |
| Total Administrative | - | 35,037 | - | 34,659 | - |
| Professional services | | | | | |
| 4031 Professional Services | - | 2,771 | - | 2,771 | - |
| Total Professional services | - | 2,771 | - | 2,771 | - |
| Total General government | - | 37,808 | - | 37,430 | - |
| Public Safety | | | | | |
| 5105 Safety Police department | - | 35,898 | - | 70,000 | 75,000 |
| 5231 Fire District Services | - | 5,000 | - | 5,000 | 5,000 |
| Total Public Safety | - | 40,898 | - | 75,000 | 80,000 |
| Streets | | | | | |
| 5208 Repair & Maintenance | - | 7,220 | - | 6,617 | 27,000 |
| Total Streets | - | 7,220 | - | 6,617 | 27,000 |
| Total Expenditures: | - | 85,926 | - | 119,047 | 107,000 |
| Total Change In Net Position | - | (982) | - | - | - |

Town of Hideout
State Budget Report
46 Capital Projects - Street Impact - 07/01/2021 to 06/30/2022
100.00% of the fiscal year has expired

| | 2020 Actual | 2021 Actual | 2021 Original Budget | 2021 Revised Budget | 2022 Original Budget |
|--|------------------------|------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Income or Expense | | | | | |
| Income From Operations: | | | | | |
| Operating income | | | | | |
| 3000 Street Impact Fee | - | 276,395 | - | 100,000 | 300,000 |
| Total Operating income | - | 276,395 | - | 100,000 | 300,000 |
| Operating expense | | | | | |
| 4073 Improvements Other Than Buildings | - | 235,040 | - | 50,000 | 300,000 |
| Total Operating expense | - | 235,040 | - | 50,000 | 300,000 |
| Total Income From Operations: | - | 41,355 | - | 50,000 | - |
| Total Income or Expense | - | 41,355 | - | 50,000 | - |

Town of Hideout
State Budget Report
48 Class C Road Fund - 07/01/2021 to 06/30/2022
100.00% of the fiscal year has expired

| | 2020 Actual | 2021 Actual | 2021 Original Budget | 2021 Revised Budget | 2022 Original Budget |
|--|----------------|----------------|----------------------------|---------------------------|----------------------------|
| Change In Net Position | | | | | |
| Revenue: | | | | | |
| Intergovernmental revenue | | | | | |
| 3356 Class C road allotment | - | 32,704 | - | 72,500 | 78,000 |
| Total Intergovernmental revenue | - | 32,704 | - | 72,500 | 78,000 |
| Total Revenue: | - | 32,704 | - | 72,500 | 78,000 |
| Total Change In Net Position | - | 32,704 | - | 72,500 | 78,000 |
| Income or Expense | | | | | |
| Income From Operations: | | | | | |
| Operating expense | | | | | |
| 4073 Improvements Other Than Buildings | - | - | - | - | 78,000 |
| Total Operating expense | - | - | - | - | 78,000 |
| Total Income From Operations: | - | - | - | - | 78,000 |
| Total Income or Expense | - | - | - | - | 78,000 |

Town of Hideout
State Budget Report
51 Water Fund - 07/01/2021 to 06/30/2022
100.00% of the fiscal year has expired

| | 2020 Actual | 2021 Actual | 2021 Original Budget | 2021 Revised Budget | 2022 Original Budget |
|--------------------------------------|------------------|----------------|----------------------------|---------------------------|----------------------------|
| Income or Expense | | | | | |
| Income From Operations: | | | | | |
| Operating income | | | | | |
| 5110 Interest earnings | 3,277 | 214 | - | - | 3,527 |
| 5140 Water service | 509,229 | 429,494 | 559,500 | 559,500 | 561,000 |
| 5141 Standby water | 125,832 | 135,793 | 126,300 | 126,300 | 140,383 |
| 5142 Water reservation fee | 185,975 | 50,411 | 196,000 | 196,000 | 50,000 |
| 5143 Meter rental | 1,392 | 200 | 4,300 | 4,300 | 1,000 |
| 5145 Storm water service | 15,275 | 17,711 | 18,200 | 18,200 | 26,400 |
| 5150 Sewer service | 137,721 | 123,550 | 153,700 | 153,700 | 184,800 |
| 5310 Connection fees | 105,583 | 171,220 | 67,500 | 67,500 | 188,000 |
| 5315 Water Transfer fees | - | 4,818 | - | - | 4,254 |
| 5410 Late penalties and fees | 839 | 4,718 | - | - | 5,103 |
| 5490 Other operating income | 166 | 2,956 | - | - | 3,023 |
| Total Operating income | 1,085,289 | 941,085 | 1,125,500 | 1,125,500 | 1,167,490 |
| Operating expense | | | | | |
| 6001.1 Insurance | - | - | 6,500 | 6,500 | 6,500 |
| 6005 Accounting and Audit | - | - | 6,500 | 6,500 | 6,500 |
| 6010 Information Technology | - | - | 11,500 | 11,500 | 11,500 |
| 6016 Telephone | - | - | 5,200 | 5,200 | 5,200 |
| 6017 Training | - | - | 1,625 | 1,625 | 1,625 |
| 6018 Website | - | - | 650 | 650 | 650 |
| 6120 Depreciation Expense | 49,393 | - | - | - | - |
| 6130 Employee benefits | 3,009 | - | - | - | - |
| 6140 Engineering | 42,001 | 26,040 | 52,500 | 52,500 | 92,500 |
| 6150 Legal | - | 6,913 | 44,000 | 44,000 | 25,000 |
| 6210 Meters | 11,632 | 28,063 | 31,000 | 31,000 | 34,000 |
| 6240 Office expenses | 1,368 | - | 6,000 | 6,000 | 6,000 |
| 6250 Operating expenses | 31,986 | 2,003 | 37,000 | 37,000 | 17,000 |
| 6305 Repairs and Maint - Sewer | 29,984 | 23,404 | 31,200 | 31,200 | 31,200 |
| 6310 Repairs and Maint - Water | 18,745 | 34,663 | 88,700 | 88,700 | 88,700 |
| 6350 Salaries and wages | 142,736 | 158,986 | 210,000 | 210,000 | 259,000 |
| 6355 Benefits | - | 11,512 | 28,000 | 28,000 | 84,000 |
| 6360 Software and technology | 600 | - | 1,600 | 1,600 | 1,600 |
| 6390 Utilities | 292 | - | 3,000 | 3,000 | 3,000 |
| 6405 JSSD - Sewer | 37,304 | 31,840 | 46,400 | 46,400 | 43,000 |
| 6410 JSSD - Water | 221,657 | 216,145 | 305,800 | 305,800 | 290,000 |
| 6412 Water reservation fees | 55,332 | 55,332 | 55,300 | 55,300 | 55,300 |
| 6610 Depreciation Expense | 140,641 | - | - | - | - |
| Total Operating expense | 786,680 | 594,901 | 972,475 | 972,475 | 1,062,275 |
| Total Income From Operations: | 298,609 | 346,184 | 153,025 | 153,025 | 105,215 |
| Total Income or Expense | 298,609 | 346,184 | 153,025 | 153,025 | 105,215 |

Town of Hideout
State Budget Report
56 Culinary Water Impact - 07/01/2021 to 06/30/2022
100.00% of the fiscal year has expired

| | 2020 Actual | 2021 Actual | 2021 Original Budget | 2021 Revised Budget | 2022 Original Budget |
|--------------------------------------|------------------------|------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Income or Expense | | | | | |
| Income From Operations: | | | | | |
| Operating income | | | | | |
| 3000 Culinary Water Impact Fee-JSSD | - | 340,234 | - | - | 375,000 |
| Total Operating income | - | 340,234 | - | - | 375,000 |
| Total Income From Operations: | - | 340,234 | - | - | 375,000 |
| Total Income or Expense | - | 340,234 | - | - | 375,000 |

Town of Hideout
State Budget Report
57 Waste Water Impact - 07/01/2021 to 06/30/2022
100.00% of the fiscal year has expired

| | 2020 Actual | 2021 Actual | 2021 Original Budget | 2021 Revised Budget | 2022 Original Budget |
|--------------------------------------|------------------------|------------------------|-------------------------------------|------------------------------------|-------------------------------------|
| Income or Expense | | | | | |
| Income From Operations: | | | | | |
| Operating income | | | | | |
| 3000 Waste Water Impact Fee | - | 5,370 | - | - | - |
| Total Operating income | - | 5,370 | - | - | - |
| Total Income From Operations: | - | 5,370 | - | - | - |
| Total Income or Expense | - | 5,370 | - | - | - |

Town of Hideout
State Budget Report
58 Storm Water Impact - 07/01/2021 to 06/30/2022
100.00% of the fiscal year has expired

| | 2020 Actual | 2021 Actual | 2021 Original Budget | 2021 Revised Budget | 2022 Original Budget |
|--------------------------------------|----------------|----------------|----------------------------|---------------------------|----------------------------|
| Income or Expense | | | | | |
| Income From Operations: | | | | | |
| Operating income | | | | | |
| 3000 Storm Drain Impact Fee | - | 13,330 | - | - | - |
| Total Operating income | - | 13,330 | - | - | - |
| Total Income From Operations: | - | 13,330 | - | - | - |
| Total Income or Expense | - | 13,330 | - | - | - |

File Attachments for Item:

8. Discussion and possible action to adopt Ordinance 2021-O-XX to amend Municipal Code
10.02.12 International Fire Code Adopted

APPENDIX D

FIRE APPARATUS ACCESS ROADS

The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance or legislation of the jurisdiction.

User note:

About this appendix: Appendix D contains more detailed elements for use with the basic access requirements found in Section 503, which gives some minimum criteria, such as a maximum length of 150 feet and a minimum width of 20 feet, but in many cases does not state specific criteria. This appendix, like Appendices B and C, is a tool for jurisdictions looking for guidance in establishing access requirements and includes criteria for multiple-family residential developments, large one- and two-family subdivisions, specific examples for various types of turnarounds for fire department apparatus and parking regulatory signage.

SECTION D101 GENERAL

D101.1 Scope. Fire apparatus access roads shall be in accordance with this appendix and all other applicable requirements of the *International Fire Code*.

SECTION D102 REQUIRED ACCESS

D102.1 Access and loading. Facilities, buildings or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an *approved* fire apparatus access road with an asphalt, concrete or other *approved* driv-

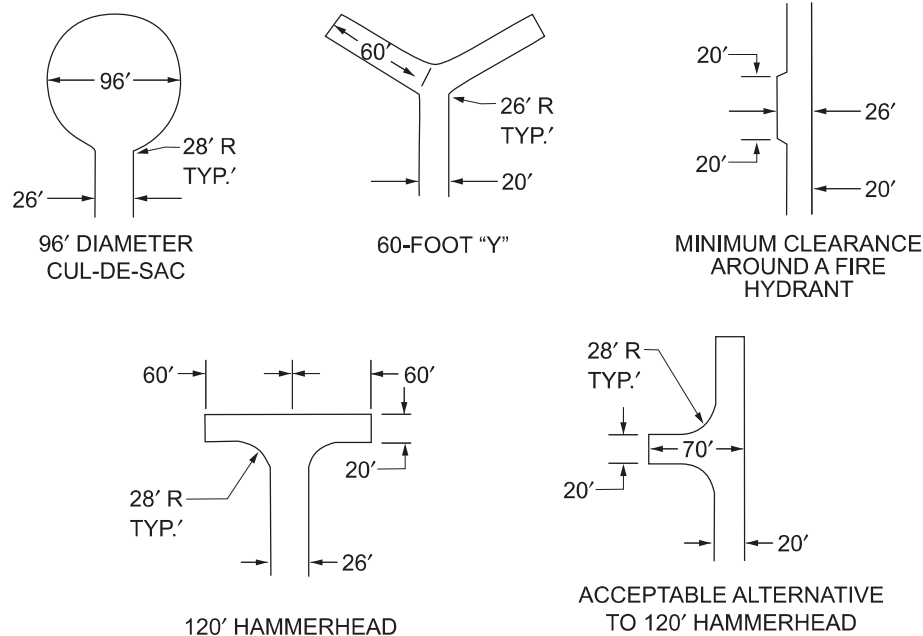
ing surface capable of supporting the imposed load of fire apparatus weighing up to 75,000 pounds (34 050 kg).

SECTION D103 MINIMUM SPECIFICATIONS

D103.1 Access road width with a hydrant. Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet (7925 mm), exclusive of shoulders (see Figure D103.1).

D103.2 Grade. Fire apparatus access roads shall not exceed 10 percent in grade.

Exception: Grades steeper than 10 percent as *approved* by the *fire code official*.



For SI: 1 foot = 304.8 mm.

FIGURE D103.1
DEAD-END FIRE APPARATUS ACCESS ROAD TURNAROUND

D103.3 Turning radius. The minimum turning radius shall be determined by the *fire code official*.

D103.4 Dead ends. Dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) shall be provided with width and turnaround provisions in accordance with Table D103.4.

**TABLE D103.4
REQUIREMENTS FOR DEAD-END
FIRE APPARATUS ACCESS ROADS**

| LENGTH (feet) | WIDTH (feet) | TURNAROUNDS REQUIRED |
|------------------|-----------------|--|
| 0–150 | 20 | None required |
| 151–500 | 20 | 120-foot Hammerhead, 60-foot “Y” or 96-foot diameter cul-de-sac in accordance with Figure D103.1 |
| 501–750 | 26 | 120-foot Hammerhead, 60-foot “Y” or 96-foot diameter cul-de-sac in accordance with Figure D103.1 |
| Over 750 | | Special approval required |

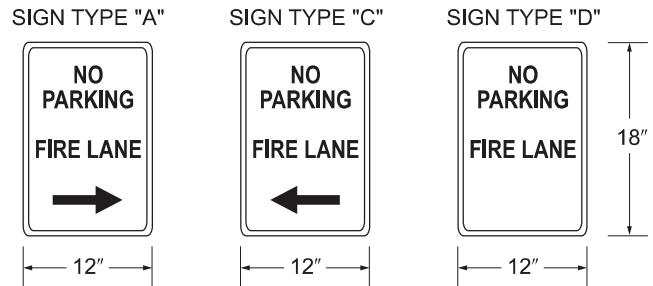
For SI: 1 foot = 304.8 mm.

D103.5 Fire apparatus access road gates. Gates securing the fire apparatus access roads shall comply with all of the following criteria:

1. Where a single gate is provided, the gate width shall be not less than 20 feet (6096 mm). Where a fire apparatus road consists of a divided roadway, the gate width shall be not less than 12 feet (3658 mm).
2. Gates shall be of the swinging or sliding type.
3. Construction of gates shall be of materials that allow manual operation by one person.
4. Gate components shall be maintained in an operative condition at all times and replaced or repaired when defective.
5. Electric gates shall be equipped with a means of opening the gate by fire department personnel for emergency access. Emergency opening devices shall be *approved by the fire code official*.
6. Methods of locking shall be submitted for approval by the *fire code official*.
7. Electric gate operators, where provided, shall be *listed* in accordance with UL 325.
8. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F2200.

D103.6 Signs. Where required by the *fire code official*, fire apparatus access roads shall be marked with permanent NO PARKING—FIRE LANE signs complying with Figure D103.6. Signs shall have a minimum dimension of 12 inches (305 mm) wide by 18 inches (457 mm) high and have red letters on a white reflective background. Signs shall be posted

on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2.



**FIGURE D103.6
FIRE LANE SIGNS**

D103.6.1 Roads 20 to 26 feet in width. *Fire lane* signs as specified in Section D103.6 shall be posted on both sides of fire apparatus access roads that are 20 to 26 feet wide (6096 to 7925 mm).

D103.6.2 Roads more than 26 feet in width. *Fire lane* signs as specified in Section D103.6 shall be posted on one side of fire apparatus access roads more than 26 feet wide (7925 mm) and less than 32 feet wide (9754 mm).

SECTION D104 COMMERCIAL AND INDUSTRIAL DEVELOPMENTS

D104.1 Buildings exceeding three stories or 30 feet in height. Buildings or facilities exceeding 30 feet (9144 mm) or three stories in height shall have not fewer than two means of fire apparatus access for each structure.

D104.2 Buildings exceeding 62,000 square feet in area. Buildings or facilities having a gross *building area* of more than 62,000 square feet (5760 m²) shall be provided with two separate and *approved* fire apparatus access roads.

Exception: Projects having a gross *building area* of up to 124,000 square feet (11 520 m²) that have a single *approved* fire apparatus access road where all buildings are equipped throughout with *approved automatic sprinkler systems*.

D104.3 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one half of the length of the maximum overall diagonal dimension of the lot or area to be served, measured in a straight line between accesses.

SECTION D105 AERIAL FIRE APPARATUS ACCESS ROADS

D105.1 Where required. Where the vertical distance between the grade plane and the highest roof surface exceeds 30 feet (9144 mm), *approved* aerial fire apparatus access roads shall be provided. For purposes of this section, the highest roof surface shall be determined by measurement to the eave of a pitched roof, the intersection of the roof to the exterior wall, or the top of parapet walls, whichever is greater.

D105.2 Width. Aerial fire apparatus access roads shall have a minimum unobstructed width of 26 feet (7925 mm), exclusive of shoulders, in the immediate vicinity of the building or portion thereof.

D105.3 Proximity to building. One or more of the required access routes meeting this condition shall be located not less than 15 feet (4572 mm) and not greater than 30 feet (9144 mm) from the building, and shall be positioned parallel to one entire side of the building. The side of the building on which the aerial fire apparatus access road is positioned shall be approved by the *fire code official*.

D105.4 Obstructions. Overhead utility and power lines shall not be located over the aerial fire apparatus access road or between the aerial fire apparatus road and the building. Other obstructions shall be permitted to be placed with the approval of the *fire code official*.

**SECTION D106
MULTIPLE-FAMILY RESIDENTIAL DEVELOPMENTS**

D106.1 Projects having more than 100 dwelling units. Multiple-family residential projects having more than 100 *dwelling units* shall be equipped throughout with two separate and *approved* fire apparatus access roads.

Exception: Projects having up to 200 *dwelling units* shall have not fewer than one *approved* fire apparatus access road where all buildings, including nonresidential occupancies, are equipped throughout with *approved automatic sprinkler systems* installed in accordance with Section 903.3.1.1 or 903.3.1.2.

D106.2 Projects having more than 200 dwelling units. Multiple-family residential projects having more than 200 *dwelling units* shall be provided with two separate and *approved* fire apparatus access roads regardless of whether they are equipped with an *approved automatic sprinkler system*.

D106.3 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses.

**SECTION D107
ONE- OR TWO-FAMILY
RESIDENTIAL DEVELOPMENTS**

D107.1 One- or two-family dwelling residential developments. Developments of one- or two-family *dwelling units* where the number of *dwelling units* exceeds 30 shall be provided with two separate and *approved* fire apparatus access roads.

Exceptions:

1. Where there are more than 30 *dwelling units* on a single public or private fire apparatus access road and all *dwelling units* are equipped throughout with an *approved automatic sprinkler system* in accordance with Section 903.3.1.1, 903.3.1.2 or

903.3.1.3, access from two directions shall not be required.

2. The number of *dwelling units* on a single fire apparatus access road shall not be increased unless fire apparatus access roads will connect with future development, as determined by the *fire code official*.

D107.2 Remoteness. Where two fire apparatus access roads are required, they shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the property or area to be served, measured in a straight line between accesses.

**SECTION D108
REFERENCED STANDARDS**

| | | | |
|------|----------|--|--------|
| ASTM | F2200—14 | Standard Specification for Automated Vehicular Gate Construction | D103.5 |
| UL | 325—02 | Door, Drapery, Gate, Louver, and Window Operators and Systems, with Revisions through May 2015 | D103.5 |

ORDINANCE #2021 - _____

AN ORDINANCE AMENDING MUNICIPAL CODE 10.02.12 INTERNATIONAL
FIRE CODE ADOPTED TO INCLUDE APPENDIX D

WHEREAS, the Town of Hideout is responsible to govern the responsible development within the town and ensure the health safety and welfare of all residents.

WHEREAS in 2019 and 2020, the Hideout Town Council amended the Hideout Municipal Code to include roadway and development access standards and included much of the information in International Fire Code (IFC) Appendix D to determine the minimum roadway standards.

WHEREAS the adoption of road standards in support the health safety and welfare of the residents the road width was applied to all roads that were not constructed, or platted within the town at the time of adoption.

WHEREAS the Wasatch County Fire District provides fire and EMS service to the town of Hideout.

WHEREAS Wasatch County Fire District relies on Appendix D as minimum standards that will allow the District to respond to emergencies with their current equipment and training

NOW, THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF HIDEOUT, UTAH, THAT:

SECTION I: Amended. Section 10.02.12 of the Hideout Town Code is hereby amended as follows:

10.02.12 INTERNATIONAL FIRE CODE ADOPTED

The most recent edition, or, if different, the most recent edition adopted by the State of Utah, of the International Fire Code, as published by the International Code Council, regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises in the town and providing for the issuance of permits for hazardous uses or operations, and each and all of the regulations, provisions, penalties, conditions and terms of said fire code, is hereby referred to and adopted as the fire code for the Town, together with Appendix D, additions, insertions and changes specifically set forth in this chapter.

For the purpose of interpretations or exception within this section the Fire Code Official shall mean the Wasatch County Fire District Fire Marshal.

SECTION II: Effective Date. This ordinance shall become effective upon publication.

PASSED AND ADOPTED by the Town Council of Hideout, Utah, this _____ day of _____ in the year _____.

TOWN OF HIDEOUT

Phil Rubin, Mayor

ATTEST:

Alicia Fairbourne, Town Clerk

File Attachments for Item:

9. Discussion and possible approval of Ordinance 2021-O-XX regarding noxious weed control and requiring posting of a weed abatement bond

Noxious Weed Cash Bond Agreement

THIS AGREEMENT, (herein "Agreement") is entered into this _____ day of _____, 20____.

_____ "APPLICANT":

a(n): _____
(individual, corporation, partnership, limited liability company, trust, other)

And "HIDEOUT": Hideout Town, a political Subdivision of the State of Utah

*** NOTICES ***

All notices, requests, demands and other communications required under this Agreement, except for normal, daily business communications, shall be in writing. Such written communication shall be effective upon personal delivery to any party or upon being sent by overnight mail service; by email; by facsimile; or by regular mail, postage prepaid and addressed to the respective parties as follows:

IF TO APPLICANT:

Attn: _____
Address: _____
City: _____ State: _____ Zip: _____
Telephone: () _____
Facsimile: () _____
Email _____

IF TO HIDEOUT: Hideout

Town
10860 N. Hideout Trail
Hideout, UT 84036

*** RECITALS ***

WHEREAS, HIDEOUT Town ordinances require APPLICANT to post a cash noxious weed bond with the Town to ensure that noxious weeds will be controlled while the project is being developed until the development is turned over to the Home Owner's Association or other property owner for ongoing maintenance; and

WHEREAS, HIDEOUT will not grant said permit(s) / approval(s) until adequate provision has been made to guarantee proper control of noxious weeds, the estimated cost of which is \$_____, (\$500/acre), and

NOW THEREFORE, in consideration of the premises and other valuable consideration, the parties agree as follows:

*** TERMS AND CONDITIONS ***

1. ADDITIONAL DEFINITIONS.

- 1.1 "APPLICANT" and "HIDEOUT," as used in this Agreement, shall also refer to all heirs, executors, administrators, successors, and/or assigns of APPLICANT and HIDEOUT, respectively.

- 1.2 "Costs," as used in this Agreement, shall mean any and all costs for noxious weed control or mitigation incurred by HIDEOUT, occasioned by APPLICANT'S failure to perform any and/or all obligations under this Agreement.
- 1.3 "Failure to Perform" or "Fail to Perform," as used in this Agreement, shall mean, failure to make necessary and reasonable actions to prevent or eradicate noxious weeds from the property as determined by the Hideout Engineer or its designee.
2. **PURPOSE FOR AGREEMENT.** The parties hereto expressly acknowledge that the purpose of this Agreement is to ensure proper control of noxious weeds while the project is being developed.
3. **UNRELATED OBLICATIONS OF APPLICANT.** The benefits and protection provided by this Agreement shall inure solely to HIDEOUT and not to third parties, including, but not limited to, lot purchasers, contractors, subcontractors, laborers, suppliers, or others. HIDEOUT shall not be liable to claimants or others for obligations of APPLICANT under this Agreement. HIDEOUT shall have no liability for payment of any costs or expenses of any party who attempts to make a claim under this Agreement and shall have under this Agreement no obligation to make payments to, give notices on behalf of, or otherwise have obligations to any alleged claimants under this Agreement.
4. **AGREEMENT DOCUMENTS.** All data which is used by HIDEOUT to compute the cost of or otherwise determine what is reasonable and necessary for proper noxious weed control is hereby made a part of this Agreement.
5. **APPLICANT'S INDEPENDENT OBLIGATION.** APPLICANT EXPRESSLY ACKNOWLEDGES, UNDERSTANDS, AND AGREES that its obligation to ensure proper noxious weed control is independent of any other remedy available to HIDEOUT to secure proper noxious weed control.
6. **APPLICANT'S OBLIGATION FOR COSTS.** Should APPLICANT Fail to Perform its responsibilities under this Agreement in any degree, APPLICANT agrees to compensate HIDEOUT for all costs, including Incidental Costs, related to the APPLICANT'S Failure to Perform its obligation to ensure proper noxious weed control to the extent that such costs are not adequately covered by the proceeds of the bond herein.
7. **PERFORMANCE GUARANTEE.** APPLICANT hereby assigns and sets over to HIDEOUT, as an independent guarantee with HIDEOUT for the purpose of insuring compliance with the noxious weed control plan, the sum of \$ _____ (\$500/ acre) in cash, by check or money order, (herein the "Proceeds"). The Applicant understands and agrees that any check will be negotiated and that the proceeds will be deposited in the Accounts of HIDEOUT to be held until used or released under the provisions of this contract.
8. **APPLICANT INDEMNIFICATION.** APPLICANT agrees to indemnify, defend, and save harmless HIDEOUT, its officers, employees, and agents from and against any and all liability which may arise as a result of HIDEOUT'S efforts to control noxious weeds within the development. With respect to APPLICANT'S agreement to defend HIDEOUT, as set forth above, HIDEOUT shall have the option to either provide its own defense, with all costs for such being borne by APPLICANT, or require that APPLICANT undertake the defense of HIDEOUT.
9. **RELEASE OF PROCEEDS.** Upon such time as the development has been completed and the Homeowner's Association (or lot owners) have by written agreement undertaken the obligation for noxious weed control within the development, The Proceeds herein, less any proceeds used for noxious weed control pursuant to the provisions herein, shall be returned to the APPLICANT.
10. **USE OF PROCEEDS.** In the event the Developer fails to perform reasonable and necessary noxious weed control efforts HIDEOUT may use and expend all the Proceeds or such lesser amount as may be deemed by HIDEOUT to be necessary to effect proper noxious weed control on the project.
11. **INADEQUATE PROCEEDS.** If the Proceeds are inadequate to pay the cost of proper noxious weed control, APPLICANT shall be responsible for the deficiency independent of the performance guarantee set forth in paragraph seven of this Agreement. Additionally, no further permits or business licenses shall be issued, and/or any existing permits or business licenses applicable to the payment of the Fees of the location of the Improvements may be immediately suspended or revoked by the HIDEOUT Engineer, until any noxious weeds have on the project have been properly controlled, or, until a new bond acceptable to the HIDEOUT Engineer has been executed to insure proper noxious weed control.
12. **ACCESS TO PROPERTY.** Should HIDEOUT elect to use the Proceeds to implement a noxious weed control program on the project, APPLICANT herein expressly grants to HIDEOUT, and any contractor or other agent of HIDEOUT, the right of access to the project property to complete the Improvements.

13. **NOTICE.** Notice to APPLICANT or HIDEOUT shall be mailed or delivered to the address shown in this Agreement. The date notice is received at the address shown in this Agreement shall be the date of actual notice, however accomplished.
14. **FAILURE TO PERFORM.** In addition to those events previously or subsequently described herein, the following shall be considered Failure to Perform on the part of APPLICANT, the occurrence of which shall entitle HIDEOUT to invoke any and all remedies outlined in this Agreement or any and all remedies it may have in equity or at law: APPLICANT'S abandonment of the project as determined by HIDEOUT; APPLICANT'S insolvency, appointment of a receiver, or filing of a voluntary or involuntary petition in bankruptcy; the commencement of a foreclosure proceeding against the project property; the project property being conveyed in lieu of foreclosure.
15. **WAIVER.** The failure by any party to insist upon the strict performance of any covenant, duty, agreement, or condition of this Agreement or to exercise any right or remedy consequent upon a failure to perform thereof shall not constitute a waiver of any such failure to perform or any other covenant, agreement, term, or condition. No waiver shall affect or alter the remainder of this Agreement, but each and every other covenant, agreement, term, and condition hereof shall continue in full force and effect with respect to any other then existing or subsequently occurring failure to perform.
16. **ATTORNEYS FEES.** In the event there is a failure to perform under this Agreement and it becomes reasonably necessary for any party to employ the services of an attorney in connection therewith (whether such attorney be in house or outside counsel), either with or without litigation, on appeal or otherwise, the losing party to the controversy shall pay to the successful party reasonable attorneys' fees incurred by such party, and, in addition, such costs and expenses as are incurred in enforcing this Agreement.
17. **TIME IS OF THE ESSENCE.** Time is of the essence of this Agreement. In case either party shall fail to perform the obligations on its part at the time fixed for the performance of such obligations by the terms of this Agreement, the other party may pursue any and all remedies available in equity or law.
18. **GOVERNING LAW.** This Agreement shall be interpreted pursuant to, and the terms thereof governed by, the laws of the State of Utah. This Agreement shall be further governed by Hideout ordinances in effect at the time of the execution of this Agreement. However, the parties expressly acknowledge that any subdivision or other development regulations enacted after the execution of this Agreement, which are reasonably necessary to protect the health, safety, and welfare of the citizens of HIDEOUT, shall also apply to the subdivision or development which is the subject of this Agreement.
19. **INDUCEMENT; INTEGRATION; MODIFICATION; CAPTIONS; SEVERABILITY.**
 - 19.1 The making and execution of this Agreement has not been induced by representations, statements, warranties, or agreements other than those herein expressed.
 - 19.2 This Agreement embodies the entire understanding of the parties, and there are no further or other agreements or understandings, written or oral, in effect between the parties relating to the subject matter herein.
 - 19.3 Except as otherwise authorized by this Agreement, this instrument may be amended or modified only by an instrument of equal formality signed by the respective parties.
 - 19.4 The titles or captions of this Agreement are for convenience only and shall not be deemed in any way to define, limit, extend, augment, or described the scope, content, or intent of any part or parts of this Agreement.
 - 19.5 If any portion of this Agreement is declared invalid by a court of competent jurisdiction, the remaining portions shall not be affected thereby, but shall remain in full force and effect.

***** SIGNATURE REQUIREMENTS *****

SIGNATURE(S) FROM A CORPORATION. If Applicant is a Corporation, this Agreement shall be signed by the President. If someone other than the President signs on behalf of the company, a "Corporate Resolution" must be attached, and should verify that the person signing the agreement can bind the corporation.

SIGNATURE(S) FROM A PARTNERSHIP. If Applicant is a Partnership, this agreement shall be signed by a General Partner.

SIGNATURE(S) FROM A LIMITED LIABILITY COMPANY. If Applicant is a Limited Liability Company, this Agreement shall be signed by a Managing Member. HIDEOUT may request a copy of the Articles of Organization.

SIGNATURE(S) FROM A TRUST. If Applicant is a trust, this Agreement shall be signed by a Trustee.

WHEREUPON, the parties hereto have set their hands the day and year first above written.

“APPLICANT”

By: _____

Title: _____

(Signature must be notarized on pages following.)

“HIDEOUT”

HIDEOUT TOWN ENGINEER

ATTEST:

APPLICANT NOTARIZATION**COMPLETE ONLY IF APPLICANT IS AN INDIVIDUAL**

State _____ of _____)
 _____ County of _____ :ss)

On this __ day of _____, 20____, personally appeared before me

[name of person(s)], whose identity is personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to this instrument, and acknowledged that he/she/they executed the same.

 Notary Public

COMPLETE ONLY IF APPLICANT IS A CORPORATION

State _____ of _____)
 _____ County of _____ :ss)

On this __ day of _____, 20____, personally appeared before me

[name of person(s)], whose identity is personally known to me or proved to me on the basis of satisfactory evidence, and who affirmed that he/she is the _____
 _____ *[title]*, of _____ *[name of corporation]*, a corporation, and said document was signed by him/her in behalf of said corporation by authority of its bylaws or of a Resolution of its Board of Directors, and he/she acknowledged to me that said corporation executed the same.

 Notary Public

COMPLETE ONLY IF APPLICANT IS A PARTNERSHIP

State _____ of _____)
 _____ County of _____ :ss)

On this _____ day of _____, 20____, personally appeared before me

[name of person(s)], whose identity is personally known to me or proved to me on the basis of satisfactory evidence, and who affirmed that he/she is the _____
 _____ *[title]*, of _____ *[name of partnership]*, a partnership, and that the foregoing instrument was duly authorized by the partnership at a lawful meeting held or by authority of its bylaws and signed in behalf of said partnership.

 Notary Public

COMPLETE ONLY IF APPLICANT IS A LIMITED LIABILITY COMPANY

State _____ of _____)
 _____ County of _____ :ss)

On this __ day of _____, 20____, personally appeared before me
 _____ [name of
 person(s)], whose identity is personally known to me or
 proved to me on the basis of satisfactory evidence, and who affirmed that he/she is the _____
 [title],
 of _____ [name of LLC], limited liability company, by
 authority of its members or its articles of organization, and he/she acknowledged to me that said limited liability company
 executed the same.

 Notary Public

COMPLETE ONLY IF APPLICANT IS A TRUST

State _____ of _____)
 _____ County of _____ :ss)

On this __ day of _____, 20____, personally appeared before me
 _____ [name of
 person(s)], whose identity is personally known to me or
 proved to me on the basis of satisfactory evidence, and who affirmed that he/she is the _____
 [title],
 of _____ [name of trust], and that the foregoing
 instrument was signed in behalf of said trust and he/she acknowledged to me that said trust executed the same.

 Notary Public

ORDINANCE #2021 -O- _____

ORDINANCE AMENDING TITLE 5 CHAPTER 04 REGARDING NOXIOUS WEED
CONTROL AND ADOPTING 11.06.08.03 REQUIRING POSTING OF WEED ABATEMENT
BOND

WHEREAS, Noxious Weeds compete with native species for moisture, sunlight, nutrients, and space. Overall plant diversity can be decreased;

WHEREAS, Noxious Weeds are "invasive" a term which is used for because the species are aggressive. These species grow and reproduce rapidly, causing major disturbance to the areas in which they are present;

WHEREAS, weeds do not recognize land ownership boundaries, and

WHEREAS, the Hideout Town Council has determined it is advisable to adopt an ordinance requiring controlling noxious weeds and posting of a weed abatement bond for subdivision construction permits.

NOW, THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF HIDEOUT, UTAH, THAT:

SECTION I: Amend. Chapter 5.04 NUISANCES, Sections 100 through 120 of the Hideout Town Code is hereby amended as redlined.

5.04.100 NUISANCE CONDITIONS

The following conditions on real property shall constitute a nuisance under this chapter and the Enforcement Officer may abate these conditions, issue a criminal citation to the owner under HMC 5.04.190, "Criminal Prosecution", with or without providing notice as provided in HMC 5.04.120, "Notice" or issue an administrative citation:

- A. Vegetation on private property which, due to its proximity to any public property or right of way interferes with the public safety or lawful use of the public property or right of way, or interferes with the town's clear view as defined in this code.
- B. Weeds on property (including abutting park strips, alleys, or street edges) which have grown to a height exceeding six inches (6") or which have grown on or over a sidewalk.
- C. An accumulation of weeds, solid waste, structures, or other objects on the property which is detrimental to health.
- D. An accumulation of weeds, solid waste, structures, or other objects on the property which has become a fire hazard.
- E. An accumulation of weeds, solid waste, structures, or other objects on the property which has become a source of contamination or pollution of water, air, soil or property.
- F. An accumulation of weeds, solid waste, structures, or other objects on the property which has become a breeding place or habitation for insects, rodents, or other vermin.
- G. Weeds determined to be especially injurious to public health, crops, animals, land, or other property.

5.04.110 STANDARDS FOR WEED CONTROL

Weeds shall be maintained at a height of not more than six inches (6") at all times and cuttings must be promptly cleared and removed from the property.

- A. Weeds must be eradicated by chemicals, cutting or other acceptable means so that they do not exceed six inches (6") in height.
- B. Weeds that are rototilled, disked, or removed by the root must be buried under the soil, removed from the property, or composted.
- C. The Enforcement Officer shall survey properties within the Town and identify those needing abatement and then serve notice in writing upon the owner or occupant my mailing notice, postage prepaid, addressed to the owner or occupant at the last known post office address as indicated by records of the County Assessor. The notice shall require the owner to abate the weeds by a specific time, which shall not be less than ten (10) days from the date of service of such notice. One notice shall be deemed sufficient on any lot or parcel of property for the entire season of weed growth during that year.
- D. If any owner of land described in the notice shall fail or neglect to eradicate or destroy and remove weeds, or growth, in accordance with such notice, the Town may employ the necessary assistance and cause such weeds to be removed or destroyed. The Town shall prepare an itemized statement of all expenses incurred in their removal and destruction, and shall mail a copy thereof to the owner demanding payment within twenty (20) days of the date of the mailing. The notice shall be deemed delivered when mailed by registered mail addressed to the property owner's last known address.
- E. In the event the owner fails to make payment of the amount set forth in the statement to the Town within the twenty (20) days, the Town may cause suit to be brought in an appropriate court of law. In the event collection of the costs are pursued through the courts, the Town may sue for and receive judgment upon all of the costs of removal and destruction together with reasonable attorney's fees, interest and court costs. The Town may execute on such judgment in the manner provide by law.
- F. If the enforcement officer determines that the large size of the property makes the eradication of all weeds impractical, the enforcement officer may limit the required eradication of weeds to create a firebreak of not less than twenty five feet (25') in width around any structures and around the complete perimeter of the property.
- G. Property which is not in close proximity to buildings or does not create a serious nuisance or fire hazard may be exempted by the enforcement officer from the weed control requirements described in this section. The enforcement officer shall issue any such exemption in writing and shall review all exemptions under this subsection annually.

5.04.120 NOTICE

If the Enforcement Officer has inspected any property and determined that the property is in violation of the standards described in HMC 5.04.060 "Conditions Requiring Notice Prior To Abatement", or has reasonable grounds to believe that the property is in violation of the standards described in HMC 5.04.060 "Conditions Requiring Notice Prior To Abatement", the Enforcement Officer shall give notice of the violation to the owner of the property. If the enforcement officer has inspected any property and determined that the property is in violation of the standards described in HMC 5.04.100 "Nuisance Conditions", or has reasonable grounds to believe that the property is in violation of the standards described in HMC 5.04.100 "Nuisance Conditions", the Enforcement Officer may, but shall not be required to give notice of the violation under this section or HMC 13.04.070 "ADMINISTRATIVE CITATIONS." For violations of the standards described in HMC 5.04.100 "Nuisance Conditions", the Enforcement Officer may proceed

directly to issue a citation under HMC 5.04.190 "Criminal Prosecution", or to the abatement procedures described in HMC 5.04.130 "Abatement by Enforcement Officer".

A. A notice under this section shall:

1. Describe the property by address. If the property has no address, the notice shall describe the property with sufficient specificity to identify the property.
2. Describe all violations which the enforcement officer found or for which he has reasonable grounds to believe that the violation exists on the property.
3. Describe the remedial actions which the owner should take to avoid a citation under HMC 5.04.190 "Criminal Prosecution," an administrative citation under HMC 13.04.070, or an abatement under HMC 5.04.130 "Abatement by Enforcement Officer".
4. Give the owner a reasonable time (which shall be expressed as a number of days from the date of the notice) to address the violations. In the alternative, the notice may state that remedial action should be commenced within a reasonable time (which shall be expressed as a number of days from the date of the notice) and continue without interruption until the work is completed. In the case of graffiti, the owner shall be given no more than ten (10) days from the date of the notice to remove or obliterate the graffiti.

B. The enforcement officer shall serve the notice upon the owner of the property. Service shall be complete if the notice is served in one of the following ways:

1. Served on the owner in person; or
2. Sent by mail, postage prepaid, to the last known address of the owner. In determining the last known address of the owner, the enforcement officer may rely on the ownership information available from the Wasatch County recorder. If the notice is mailed under this Paragraph B,2, the owner shall have three (3) additional days to comply with the notice.
3. The enforcement officer shall not be required to provide an owner more than one notice for the eradication of weeds in any calendar year.

SECTION II: Adopt. Chapter 11.06.08 BONDS GUARANTEEING CONSTRUCTION IMPROVEMENTS, Section 03 of the Hideout Town Code is hereby adopted as follows:

11.06.08.03 NOXIOUS WEED ABATEMENT BOND

A. All Subdivision Construction Permits require a cash noxious weed bond. \$500 per acre shall be assessed for the bond. The bond is refundable the later of a three year period following receipt of a project's final approval or until the Town Engineer approves the bond release. The Developer shall petition the Town of Hideout for release of the noxious weed abatement bond, or a portion thereof, as applicable."

B. Applicants of Subdivision Construction Permits and the Town of Hideout will execute a Weed Bond Agreement:

SECTION III: Effective Date. This Ordinance shall take effect upon publication.

PASSED AND ADOPTED by the Town Council of Hideout, Utah, this _____ day of
_____ in the year _____.

TOWN OF HIDEOUT

Phil Rubin, Mayor

ATTEST:

Alicia Fairbourne, Town Clerk

File Attachments for Item:

10. Discussion and Possible adoption of Ordinance 2021-O-XX regarding dark skies

10.16 DARK SKIES LIGHTING

10.16.02 PURPOSE

It is the purpose and intent of this code to balance the goals of Hideout, to maintain its small-town character with the need to limit glare and light trespass, reduce night sky glow, conserve energy, provide safe lighting practices, and promote Dark Skies initiatives, while protecting individual property rights.

1. The use of outdoor lighting is often necessary for adequate nighttime safety and utility, but common lighting practices can also interfere with other legitimate public concerns. Principal among these concerns are:
 - a. The degradation of the nighttime visual environment by production of unsightly and dangerous glare.
 - b. Lighting practices that interfere with the health and safety of Hideout's citizens and visitors.
 - c. Unnecessary waste of energy and resources in the production of too much light or wasted light.
 - d. Interference in the use or enjoyment of property which is not intended to be illuminated at night, and the loss of the scenic view of the night sky due to increased urban sky glow.
 - e. Protect the quality of the natural ecology in the area.
2. The concerns of safety, utility and aesthetic appearance need not compete. Good modern lighting practices can provide adequate light for safety and utility without excessive glare or light pollution. In nearly all cases, careful attention to when, where and how much nighttime lighting is needed will lead to better lighting practices.
3. Accordingly, it is the intent of this code to require lighting practices and systems which will minimize or eliminate light pollution, glare, light trespass, and conserve energy while maintaining nighttime safety, utility, security and productivity.
4. In support of dark skies, events will be held two times per year to educate our community both about the value of this effort as well as about the sky itself. These events will be coordinated by the town of Hideout and may include visiting speakers and the creation of a dark skies community club or committee. These efforts will allow the Town of Hideout to pursue certification as a Dark Skies Community with the International Dark Skies Association.
5. Enforcement of this effort will be conducted by the enforcement officer under the direction of the mayor.

10.16.04 DEFINITIONS

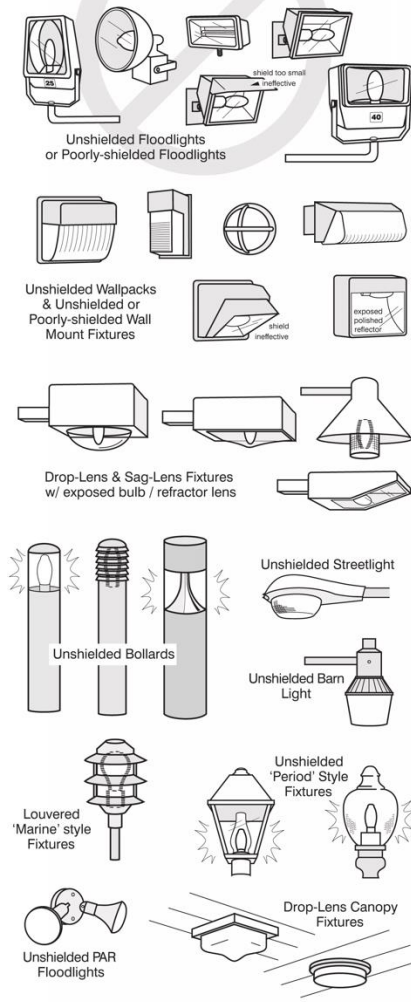
Correlated color temperature (CCT): the temperature at which a blackbody emits radiant energy competent to evoke a color the same as that evoked by radiant energy from a given source (such as a lamp).

Dark sky fixture or fully shielded: any light fixture that is designed or shielded in such a manner that all light rays emitted by the fixture, either directly from the lamps or indirectly from the fixture are projected below a horizontal plane running through the lowest point of the shield.

Examples of Acceptable / Unacceptable Lighting Fixtures

Unacceptable / Discouraged

Fixtures that produce glare and light trespass



Acceptable

Fixtures that shield the light source to minimize glare and light trespass and to facilitate better vision at night



Illustrations by Bob Crelin © 2005. Rendered for the Town of Southampton, NY. Used with permission.

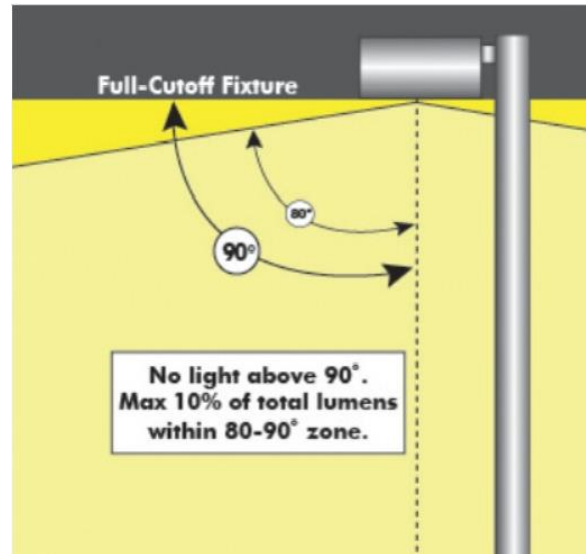
The lights on the left are non-conforming. Those on the right can be used in most cases. Depending on the mounting height and proximity to the property line, additional shielding may be necessary to prevent the luminous elements from being visible from any other property.

Dark sky shield: anything that is used to shield a light fixture so that it behaves as a fully shielded fixture. These include but are not limited to, for example, fixtures outfitted with caps or housings or installed under canopies, building overhangs, roof eaves or shielded by other structures, objects or devices.

Electronic messenger system (EMS): electronic messenger system with scrolling messages.

Emergency lighting: lighting as required by civil officers, agents, utilities and officials to perform their duties to maintain the public health, safety and welfare.

Full Cut-off Fixtures: fixtures, as installed, that are designed or shielded in such a manner that all light rays emitted by the fixture, either directly from the lamps or indirectly from the fixture, are projected below a horizontal plane running through the lowest point on the fixture where light is emitted.



Full cutoff fixtures do not allow any light to be emitted above the fixture. The fixture controls glare by limiting the light output at 10 degrees below the horizontal.

Holiday lighting: temporary lighting for a specific celebration which may be one of the following types:

- Holiday lighting is permitted from December 1st – March 31st and must be turned off from midnight to 6am daily.
- Festoon type low-output lamps, limited to small individual bulbs on a string.
- Uplighting of wreaths and similar holiday items is permitted provided that individual lamps are less than 10 watts and 70 lumens.
- Low-output lamps (less than 50 watts and 750 lumens) used to internally illuminate yard art.
- Flood or spotlights producing less than 2000 lumens each whose light source is not visible from any other property.

Kelvin: relating to, conforming to, or having a thermometric scale on which the unit of measurement equals the Celsius degree and according to which absolute zero is equal to –273 degrees Celsius.

Light fixture: any device intended to produce outdoor illumination.

Light trespass: light emitted from fixtures designed or installed in a manner that unreasonably causes light to fall on a property other than the one where the light is installed, in a motor vehicle driver's eyes, or upwards toward the sky.

Lumen: a unit of luminous flux equal to the light emitted in a unit solid angle by a uniform point source of one candle intensity.

Major addition: enlargement of 25% or more of the buildings gross floor area, seating capacity, or parking spaces, either with a single construction project or cumulative series of construction projects after the enactment of this ordinance. The term also includes replacement of 25% or more of installed outdoor lighting.

Minor addition: enlargement of less than 25% of the buildings gross floor area, seating capacity or parking spaces, either with a single construction project or cumulative series of construction projects after the enactment of this ordinance. The term also includes replacement of less than 25% of installed outdoor lighting.

Motion sensor: any device that turns a light fixture on when it detects motion and off when motion stops or very shortly thereafter (5-10 minutes).

Nits (candela): the base unit of luminous intensity in the International System of Units that is equal to the luminous intensity in a given direction of a source which emits monochromatic radiation.

Switch: any device that can be manually controlled by a person to turn a light fixture on and off. For the purpose of this chapter, switches include motion sensors, but switches do not include light sensors or timers.

Temporary: refers to lighting as required by citizens to carry out legally approved activities for durations as specified in the permits for those activities. These include but are not limited to, for example, activities such as nighttime agricultural operations, construction work lighting, and seasonal decorations, but in no case for more than a period of 60 days without an exemption granted by the town of Hideout.

10.16.06 APPLICABILITY AND EXEMPTIONS

All exterior outdoor lighting installed after the effective date hereof in the town shall conform to the requirements established by this chapter. This chapter does not apply to indoor lighting. However, light trespass from interior lighting that negatively impacts adjacent properties is also prohibited.

1. Exemptions.
 - a. Temporary lighting for decoration/seasonal, theatrical, television, performance areas, and construction sites, except as allowed by permit at the discretion of the town council.
 - b. Town entrance lighting such as trees with strings of white lighting at the intersection of North Hideout Trail and SR248 and the trees within the traffic circle at the western terminus of North Hideout Trail.
 - c. Underwater lighting in swimming pools and other water features.
 - d. Lighting that is only used under emergency conditions.
 - e. Lighting required by federal, state, county or city ordinances and regulations.
 - f. Outdoor recreational facilities are exempt from lumen cap and shielding but must comply with 3,000 degrees Kelvin temperature requirement. Lights must be extinguished promptly after a sponsored event.

10.16.08 OUTDOOR LIGHTING STANDARDS.

1. Temperature of Lamps. Lamps shall not exceed a maximum correlated color temperature (CCT) of 3,000 degrees Kelvin.
2. Lamp and Shielding. All light fixtures are required to be fully shielded and installed so that the shielding complies with the definition of a fully shielded light fixture.
3. Light Trespass Standard. All light fixtures, including motion sensing fixtures and security lighting, shall be aimed and shielded so that the direct illumination shall be confined to the property boundaries of the source, including any public or private street or road.
4. Signs:
 - a. Front Lit: Any light with the intention to illuminate a sign must be oriented from the top and shine down.
 - b. Back Lit:
 - I. The sign design may not contain any more than 10 percent white, including lettering.
 - II. Transparent or clear materials are not allowed.
 - III. Nonface portions of the sign (e.g., background and sides) shall be made of completely opaque material.
 - IV. Internal lights must not exceed 3,000 degrees Kelvin if greater than or equal to 1,500 lumens.
 - c. Neon: Any sign consisting of more than three feet of neon must be extinguished no more than four hours after sundown during daylight savings and six hours during regular mountain time.
 - d. Electronic:
 - I. EMS signs are for public safety purposes only and prohibited for private or commercial use.
 - II. Luminance levels for operation after sundown and until sunrise shall not exceed 100 nits (candela per square meter) as measured under conditions of a full white display.
 - III. Messages appearing on Electronic Messenger Systems (EMS) shall not be displayed for less than 30 seconds and require no longer than 0.25 seconds to transition from one message to another. Moving text is prohibited.
 - IV. The luminous surface area of an individual EMS shall not exceed 50 square feet.
 - V. EMSs shall not be placed within 1,500 feet (300 meters) of other off-premises changeable electronic variable message sign on the same side of the highway, regardless of face orientation.
 - VI. EMSs shall not be placed within 1,500 feet (300 meters) of residential areas.
 - VII. The device owner or the permit holder shall continuously monitor signs 24 hours per day, including monitoring the reliability of hardware, software, network and other support infrastructure.
 - VIII. Signs shall contain a default mechanism so that in the event 10 percent or more of an EMS's LED emitters have failed, the sign will immediately revert to an unlit black screen and remain in such condition until the malfunction is corrected.
5. Parking Lots:
 - a. Spot or flood lighting of parking lots from a building or other structure is prohibited.

- b. The overall height of any light post used to illuminate parking lots in commercial zones shall not exceed 20 feet. All post mounted parking lot lights shall be set back from property lines a distance that is determined appropriate by the planning commission.
 - c. The overall height of any light post used to illuminate parking lots in residential zones shall not exceed 16 feet.
 - d. The lighting in commercial parking lots must be turned down by at least 75% of all light fixtures (or 75% of total light emitted) two (2) hours after closing time in the evening or from 10pm to 6am, whichever is the most restrictive.
 - e. All parking lot lighting shall use full cutoff fixtures.
6. Gas Station Canopies. Gas station canopies may be illuminated, provided all light fixtures are mounted on the undersurface of the canopy, all light fixtures are full cutoff and diffusers are not visible from locations off the property. Except for directed beam lighting, merely placing the fixtures on the underside of the canopy does not qualify as fully shielding the light fixture. Directed beam lighting mounted under the canopy is allowed, provided the light source cannot be seen from outside the property boundaries.
7. Total Outdoor Light Output Standards – Commercial and Multifamily Uses.
- a. Total outdoor light output shall not exceed 15,000 lumens per net acre for all development except single-family residential uses. This cap is not intended to be achieved in all cases or as a design goal. Instead, design goals should be the lowest levels of lumens necessary to meet the lighting requirements of the site.
 - b. Seasonal decorations are not counted toward this limit.
8. Total Outdoor Light Output Standards – Single-Family Residential Uses:
- a. Outdoor lighting for single-family residential uses is subject to a lumen per net acre cap of 10,000 lumens net.
 - b. Outdoor lighting for single-family residential uses is subject to the lamp fixture and shielding requirements.
9. Roadway/Streetlights. Streetlights are allowable as recommended by the public works administrator or town council. All streetlights shall utilize lamp types that are energy efficient and minimize sky glow and other negative impacts of artificial lighting. They shall not exceed 10,000 lumens per net acre. Lighting shall meet safety concerns with a goal of using the lowest levels of lumens necessary.
10. New Public Lighting – Streetlights/Public Property and Rights-of-Way:
- a. All new streetlights are allowed as recommended by public works administrator and town council. They will adhere to all standards as indicated including energy efficient lighting which minimizes sky glow. They shall not exceed 10,000 lumens per net acre. Lighting shall meet safety concerns with a goal of using the lowest levels of lumens necessary.
 - b. Public Property. Properties owned by Hideout such as parks and other community gathering spaces will adhere to all standards as indicated. They will adhere to all standards as indicated including energy efficient lighting which minimizes sky glow. Lighting shall meet safety concerns with a goal of using the lowest levels of lumens necessary.
 - c. Rights-of-Way. All rights-of-way will adhere to all standards as indicated including energy efficient lighting which minimizes sky glow. Lighting shall meet safety concerns with a goal of using the lowest levels of lumens necessary.

- d. All new public lighting will be part of the planning and zoning process in which public buildings, public property and rights-of-way lighting is determined. This will be incorporated as part of the zoning process moving forward to ensure compliance with this chapter.

11. Prohibited Lighting:

- a. Up lighting to illuminate buildings, other structures or vegetation.
- b. Flashing, blinking, intermittent or other lights that move or give the impression of movement, not including temporary holiday lighting.
- c. Floodlights or spotlights affixed to buildings for the purpose of lighting parking lots or sales display lot areas.
- d. Searchlights, laser source lights or any similar high intensity light.
- e. Except when used in window signage pursuant to subsection (10.16.06 (4.C) of this section, neon or luminous tube lighting, either when outdoor mounted or indoor mounted, if visible beyond the property boundaries.

10.16.10 LIGHTING CONTROL.

1. Light fixtures with motion sensors and/or timers are required to minimize the duration of nighttime lighting from midnight to 6 a.m.
2. Fully shielded fixtures are required where any lights, even those below 1,500 lumens, are mounted on structures or poles higher than the first level above ground level to protect the view of the night sky, minimize ground reflection, and reduce light scatter beyond the property line.
3. Statuary and flags shall be lit from above to minimize sky glow.

10.16.12 IMPLEMENTATION.

1. New Uses, Buildings and Major Additions or Modifications: All building permit applications must include an outdoor lighting plan which includes the following information:
 - a. The location of all existing and proposed light fixtures (may be included on site plan).
 - b. Specification sheets for all existing and proposed light fixtures.
 - c. Acknowledgement that the Applicant has received notification of this Article.
 - d. Verification that a residential or commercial construction project requiring a building permit application has complied with the provisions of this code section shall occur during the final electrical inspection done by the towns designated building inspector.
2. Minor Additions or modifications: If the work requires a permit than the procedures shall be the same as for a Major addition.
3. New Lighting. Any new lighting on the site shall meet the requirements of this code with regard to shielding and lamp type; the total outdoor light output after the modifications are complete shall not exceed that on the site before the modification, or that permitted by this code, whichever is larger.
4. Resumption of Use after Abandonment. If a property or use with nonconforming lighting is abandoned, then all outdoor lighting shall be reviewed and brought into compliance with this code before the use is resumed.
5. Existing Lighting: On or before three years, all outdoor lighting shall comply with this code. This may be done through replacement or retrofitting.
6. Public Roadways:

- a. In general, this code does not apply to county and state rights-of-way. However, all new streetlights on such roadways or rights-of-ways must be fully shielded.

10.16.14 ENFORCEMENT AND PENALTIES.

All code, including lighting code, requires enforcement. Lighting code enforcement is essential to achieving a sustained reduction of light pollution and conservation of the night sky.

1. The penalty for violation of any portion of this chapter shall be:
 - a. First Notice. A notice to the property owner requesting compliance within three months.
 - b. Second Notice. If after three months the violation exists a notice will be given to appear before the Hideout Town Council to discuss options to come into compliance.
 - c. Third Notice. If after six months a violation of the provisions of this chapter shall be an infraction punishable by penalties up to \$1,000 per day per residential/commercial unit.
2. Violations regarding 10.16.10 lighting control (not withstanding 10.16.14.1) :
 - a. First notice. A notice to the property owner requesting compliance within 72 hours.
 - b. Second notice. If after 72 hours a violation of this light control shall be an infraction punishable by penalties up to \$50 per day until compliance.

10.16.16 CONFLICTS.

Where any provision of federal, state, county, or city statutes, codes, or laws conflicts with any provision of this code, the most restrictive shall govern unless otherwise regulated by law. If any provision of the Hideout Town Code should conflict with the provisions of this chapter, this chapter shall supersede and be the controlling and enforceable provision.

File Attachments for Item:

11. Discussion and possible authorization of Resolution 2021-R-XX, Code Enforcement Officer, and appointment of Code Enforcement Officers

Resolution #2021- _____

**RESOLUTION OF THE TOWN OF HIDEOUT, UTAH
APPROVING AND AUTHORIZING CODE ENFORCEMENT OFFICERS**

WHEREAS, Utah Code 10-3b-301 vests the powers of municipal government with the Town of Hideout Council (“Council”) and Mayor; and

WHEREAS, Utah Code 10-11-1 allows a municipal legislative body to appoint a municipal inspector to carry out the abatement of weeds, garbage, refuse and unsightly objects vests the powers of municipal government with the Town of Hideout Council (“Council”) and Mayor; and

WHEREAS, the Council has enacted ordinances to protect the public's health, safety, welfare, and quality of life within the Town of Hideout; and

WHEREAS, Hideout Municipal Code 13.04 provides for a code enforcement officer and Hideout Municipal Code 5.04 provides for an enforcement officer; and

WHEREAS, the Council finds that the enforcement of town ordinances, policies, regulations, and applicable state statutes is an important public function vital to the protection of the public's health, safety, welfare, and quality of life.

NOW THEREFORE, BE IT RESOLVED AS FOLLOWS:

Section 1: The Town of Hideout hereby authorizes the appointment of Code Enforcement Officers to perform the duties for Code Enforcement Officer, Enforcement Officer and municipal inspector.

Section 2: This Resolution shall take effect upon passage.

PASSED AND APPROVED this ___ day of _____, 2021.

TOWN OF HIDEOUT

Phil Rubin, Mayor

Attest:

Alicia Fairbourne, Town Clerk