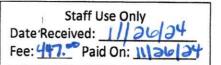


Building/Planning Department City of Glen Rose, Texas 76043

PH: (254) 897-9373 Fax: (254) 897-7989



PRELIMINARY PLAT APPLICATION

Address of property:	No Address at this time- See	survey	
Applicant's Name:	Horizon Capital Solutions LLC	Date: _	11/13/2024
	Property Owne		
	n Capital Solutions LLC c/o A. J		
Address:6647	South FM 56, Glen Rose TX 76	043	
Telephone No:	Email		- 0
	Applicant/Owner's Rep	presentative (if no	ot the owner)
Full Name: Steph	en Bezner		
		ederate	
Address:			
Telephone No:	Email	· ·	
	Property I	nformation	
Present zoning at site	: R-1 requesting PD Zoni	ng	
Form of Ownership of	f the property: (X) Individual () Pa	ortnership () Corpor	ration
Legal Description of (Current Property:		
Acres: 13.256	Lot#	Block:	
Subdivision: Abstra	act 136, Milam County School S	urvey, West Gibbs	Blvd See Attached Survey
	Additional Comm	ents/Information	
Pleass see the	attached preliminary Plat of the		
	located just east of the subdivis		
the city of Glen	Rose TX		
/We, am/are the own	er(s) of the property. I/We hereby cer	tify that all the inform	ation provided is true and correct.
1 Page		Nov. 12, 20	24
Owner(s) Signature		Nov 13, 20 Date	/LT



Building, Planning and Code Enforcement Department 201 NE Vernon Street, PO Box 1949, Glen Rose, Texas 76043

(254) 897-2272 Fax: (254) 897-7989

NOTIFICATION

March 14, 2025

NOTICE OF PUBLIC HEARING ROCK RIDGE 3

Public hearings will be held at 5:30 p.m. at City Hall (201 NE Vernon Street, Glen Rose, Texas) on March 26, 2025 before the Planning and Zoning Commission and on April 8, 2025 before the City Council on a request as submitted by Stephen Bezner for owners Horizon Capital Solutions, LLC, to Rezone from R-1 (Single-Family Residential District) to PD (Planned Development) and a Preliminary Plat application for Rock Ridge 3, as submitted by Stephen Bezner for owners Horizon Capital Solutions, LLC; also known as Acres: 13.260, Tract: D4-1-5, Abst: A136, A136 MILAM CO SCH LD, TRACT D4-1-5, ACRES 13.26.

Dear Property Owner:

You are receiving this notice because our records indicate you own property within 200' of the property located referenced above. That is the subject of these hearings. Included with this letter is a Property Owner Response Form, the application for rezoning and preliminary plat which is under consideration, and a map showing all the properties within 200' of the property referenced above. If you would like to register your opinion in favor or in opposition to granting the rezoning and preliminary plat requests, please complete the form and either mail or email it to us, or deposit it in one of the drop boxes at City Hall.

If the owners of 20% or more of the land within 200' of property referenced above provide written notice of their objection to the issuance of the rezoning request, instead of a simple majority it will require a vote of 3/4 of the City Council members present to approve the request.

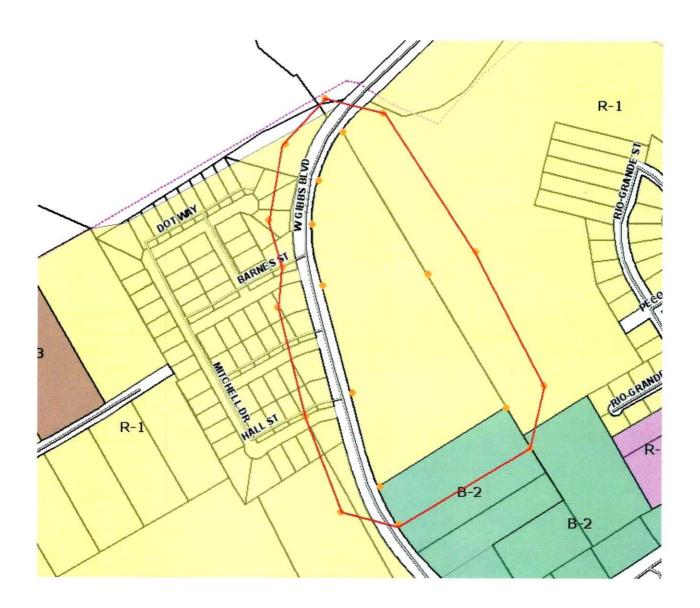
You are welcome to attend and participate in either or both of the Public Hearings. If you are unable to attend, but would like to listen to the hearings, generally, those proceedings are broadcast via Facebook and YouTube.

Should you have any questions, please contact us at <u>jodi.holthe@glenrosetexas.org</u> or at (254) 897-2272 ext. 109.

Sincerely,

Building, Planning, and Code Compliance Department

Rockridge Phase III – 200 ft Radius



Presentation to Glen Rose Planning and Zoning and City Council

Introduction

- Thank you for the opportunity to present this unique housing development proposal.
- Our goal is to address Glen Rose's housing shortage while enhancing economic expansion and providing a high-quality living environment.

Background & Vision

- The concept for this development was originally designed in 1978 by my architect Ron Morris and myself. It was well received in Dallas, Texas, and remains a successful, desirable community today.
- This development is designed as a superior alternative to traditional townhouses, offering detached ownership with private yards and garage storage.
- By introducing **multi-use private courtyards**, we create an exclusive yet affordable homeownership opportunity that strengthens community pride and individual space.

Addressing Glen Rose's Housing Needs

- A recent study identified that Glen Rose lacks approximately 90 homes to meet current demand, and projections suggest that 200 new homes are needed to support growth (Glen Rose Reporter article).
- Our development directly aligns with this need, creating affordable yet high-quality homes targeting households earning around 130% of the median income.
- The design and planning focus on value retention, aesthetic appeal, and long-term sustainability, making it a strong investment for both homeowners and the city.

Economic & Community Benefits

- **Higher Taxable Value Per Acre:** The development design nearly **doubles the taxable value per acre** compared to traditional developments.
- Lower City Maintenance Costs: Due to its unique layout, city maintenance costs are estimated to be about 50% lower than conventional neighborhoods.
- Enhancing Glen Rose's Appeal: These high-quality homes will attract new residents to Somervell County, supporting local businesses and boosting the economy.

Development Features & Layout

- Streetscape and architectural renderings are provided (see Rock Ridge 3 Elevations and Streetscape documents).
- Homes are built with high-end finishes inside and out, offering both luxury and efficiency.
- The use of **private multi-use courtyards** enhances privacy while maintaining affordability.

Addressing City Concerns: Private Courtyard Driveways

- A key discussion point has been the Private Courtyard Dead-End Streets.
- These were **never designed to function as public streets** but rather as **private multi-use driveways** that provide efficient and accessible home entry.
- As shown in the attached layout, these driveways are short and well-integrated into the community, ensuring safe and effective use.
- If reclassified as public streets, this would significantly impact on the **affordability and feasibility** of the project, making it too expensive for Glen Rose's market.

Call to Action: Collaborative Planning for Success

- We invite the city to work with us on finalizing development details to ensure the best outcome for Glen Rose.
- Our team is prepared to discuss potential modifications and address any remaining concerns.
- We look forward to a collaborative partnership in bringing this innovative, high-value community to Glen Rose.

Supporting Documents

- 1. **Glen Rose Reporter Article** Highlighting the city's housing shortage and need for growth.
- 2. Rock Ridge 3 Logo & Branding Establishing identity and community appeal.
- 3. **Site Layout & Design Features** Demonstrating the unique benefits of the development and Fire Code compliance.
- 4. Architectural Elevations & Streetscape Illustrating home quality and streetscape aesthetics.

Specific Request for Planned Development:

Zoning and Platting Request - Glen Rose, Texas

We are requesting approval for a zoning and plating Planned Development that will allow the development of a high-quality, mid-density detached single-family residential neighborhood designed to accommodate market values around \$275,000 per home. This concept has been successfully implemented in previous developments over the last 50 years, creating vibrant and well-planned communities. The private areas and Courtyards that are not Public Streets will be maintained by a Homeowners Association.

Development Parameters:

- Lot Sizes & Layout:
 - Minimum lot size: 3,000 square feet (with most lots averaging around 4,000 square feet).

 Designed for an efficient and functional neighborhood layout with a focus on maximizing homeownership opportunities.

Setbacks & Site Planning:

- o Front setback: 10 feet from all public rights-of-way.
- **Rear setback:** 10 feet around the perimeter of the central courtyard (serving as the rear yard).
- Side setback: 10 feet between homes, ensuring privacy while maintaining neighborhood density.

• Street Planning:

 Maximum 150-foot-long dead-end streets, promoting accessibility while maintaining a pedestrian-friendly environment.

• Home Sizes & Features:

- o Minimum home size: 1,000 square feet
- o Average home size: 1,300 square feet
- Each lot will accommodate one enclosed parking space plus three additional off-street parking spaces, ensuring sufficient parking for residents and guests.

Community & Open Spaces:

 All open spaces will be landscaped or designed for pedestrian accessibility, fostering a walkable and aesthetically pleasing environment.

This zoning and plating request is designed to support a thoughtfully planned, detached residential neighborhood that balances density with livability while maintaining a strong market appeal. The proposed standards align with modern housing trends and offer an opportunity to introduce an established, successful housing model into the City of Glen Rose.

Thank you for your time and consideration. We look forward to discussing this further and working together to create a lasting impact for Glen Rose.





EXHIBIT , PAGE 1 OF 2 PAGES

County:

Somervell

Project:

Rock Ridge Glen Rose

M&B No: CS Job No: 24-191 24193

METES AND BOUNDS DESCRIPTION OF 13.256 ACRES

Being a tract of land containing 13.256 acres, located in the Milam County School Land Survey, Abstract 136, in Somervell County, Texas; Said 13.256 acre tract being out of a called 18.07 acre tract of land recorded in the name of Horizon Capital Solutions in Somervell County Clerk's File (S.C.C.F.) Number 20220623; Said 13.256 acre tract being more particularly described by metes and bounds as follows (all bearings are referenced to the Texas Coordinate System of 1983, North Central Zone):

BEGINNING, at a 5/8-inch capped iron rod found for the west corner of Lot 1, Block 1, of the JW Glen Rose Subdivision as recorded in Plat Number 20171733 of the Somervell County Plat Records, on the west line of said 18.07 acre tract and the east Right-of-Way (R.O.W.) line of West Gibbs Boulevard (R.O.W. width varies), from which a 5/8-inch capped iron rod found for the south corner of said Lot 1 bears 176.70 feet along the arc of a curve to the left, having a radius of 1,025.98 feet, a central angle of 18° 14' 04", and a chord that bears South 33° 40' 36" East, a distance of 325.14 feet;

THENCE, with west lines of said 18.07 acre tract and the east R.O.W. lines of said West Gibbs Boulevard, the following five (5) courses:

- 176.70 feet along the arc of a curve to the right, having a radius of 1,025.98 feet, a central angle of 09° 52' 04", and a chord that bears North 19° 37' 32" West, a distance of 176.48 feet to a 5/8-inch capped iron rod set for a point of tangency;
- 2. North 14° 43' 27" West, a distance of 851.79 feet to a 5/8-inch iron rod found for the beginning of a curve to the right;
- 171.07 feet along the arc of a curve to the right, having a radius of 639.11 feet, a central angle of 15° 20' 11", and a chord that bears North 07° 03' 21" West, a distance of 170.56 feet to a nail found for an angle point;
- 4. South 89° 26' 43" East, a distance of 20.00 feet to a 5/8-inch capped iron rod found for the beginning of a curve to the right;
- 5. 351.72 feet along the arc of a curve to the right, having a radius of 619.11 feet, a central angle of 32° 33′ 01″, and a chord that bears North 16° 54′ 48″ East, a distance of 347.01 feet to a 5/8-inch iron rod found for the north corner of said 18.07 acre tract and the west corner of a called 34.590 acre tract of land recorded in the name of Rojelio and Jennifer Montoya in S.C.C.F. Number 20190662;

THENCE, South 31° 59' 33" East, with the line common to said 18.07 acre tract and said 34.590 acre tract, a distance of 1,357.89 feet to a 5/8-inch capped iron rod set at the north corner of aforesaid Lot 1, from which a 5/8-inch capped iron rod found for the east corner of said Lot 1 bears South 31° 59' 33" East, a distance of 325.00 feet;

EXHIBIT __, PAGE 2 OF 2 PAGES

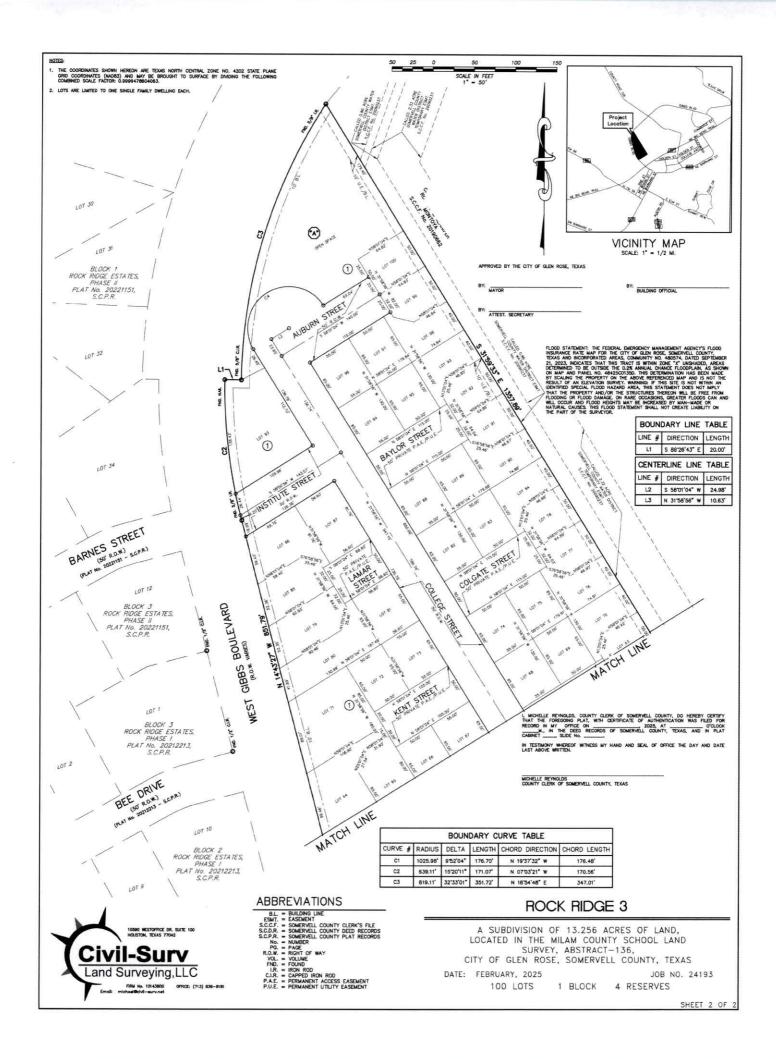
THENCE, South 58° 01' 06" West, through and across said 18.07 acre tract and with the northwest line of said Lot 1, a distance of 640.94 feet to the **POINT OF BEGINNING** and containing 13.256 acres of land.

An ALTA/NSPS Land Title Survey of the herein described tract was prepared in conjunction with and accompanies this description.

Michael Hall, R.P.L.S. Texas Registration Number 5765 CIVIL-SURV LAND SURVEYING, LC

PH: (713) 839-9181 November 6, 2024



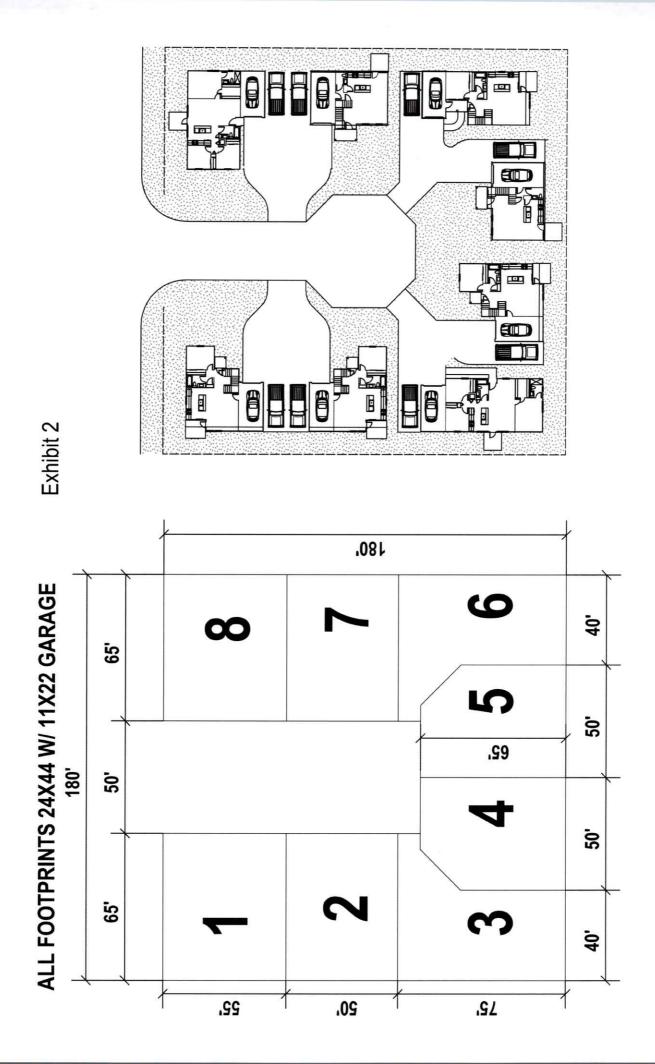


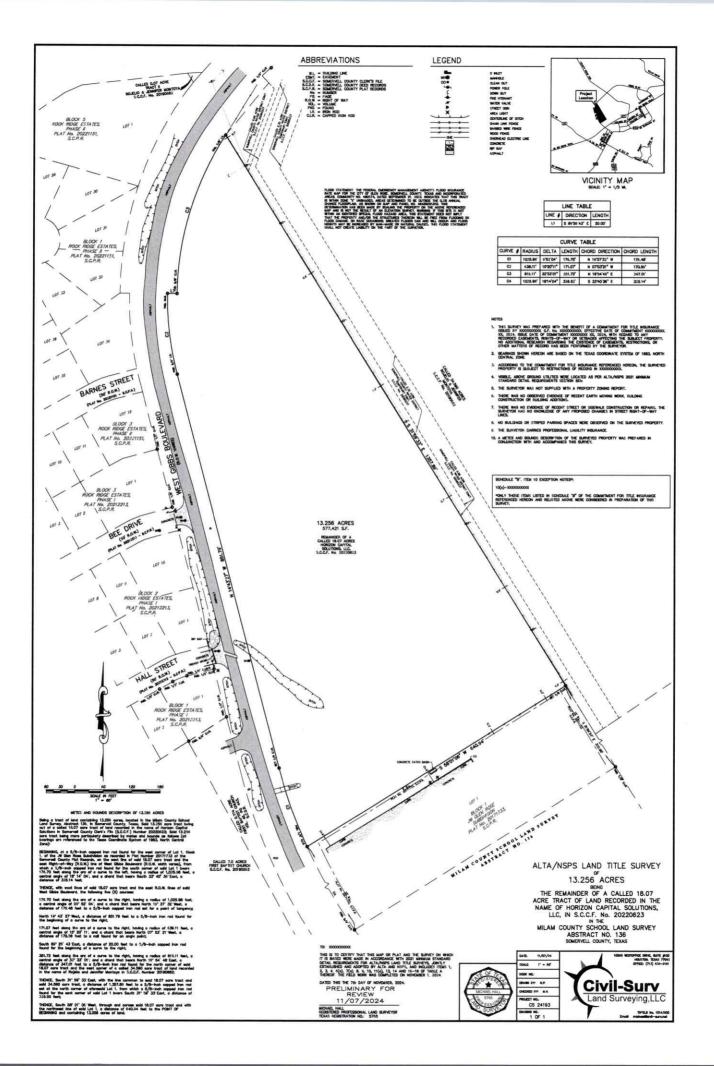
COPYRIGHT RON MORRIS DESIGNS. 10 2024

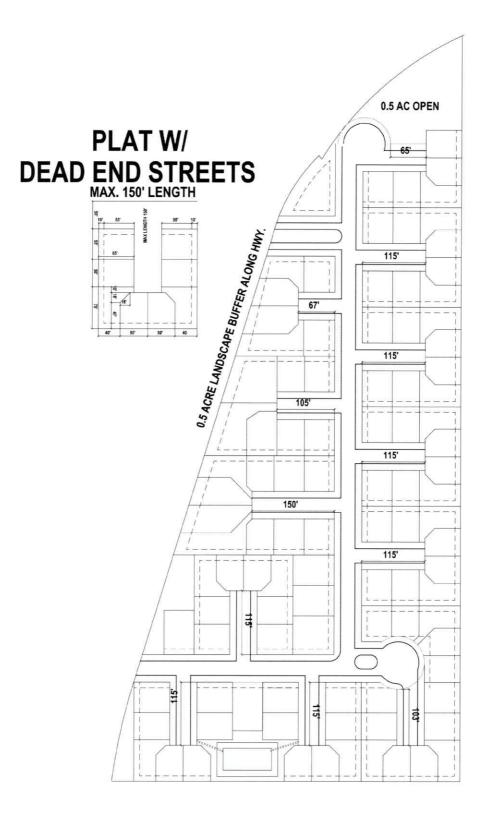
DATE 11/8/2024 SHEET

ROCK RIDGE COURTYARD GLEN ROSE, TX

RON MORRIS DESIGNS, LLC. EMAIL: romomedesigne@gmail.com







COPYRIGHT RON MORRIS DESIGNS, LLC

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ROCK RIDGE COURTYARD GLEN ROSE, TX RON MORRIS

SORRENTO, FL. 32776

RON MORRIS

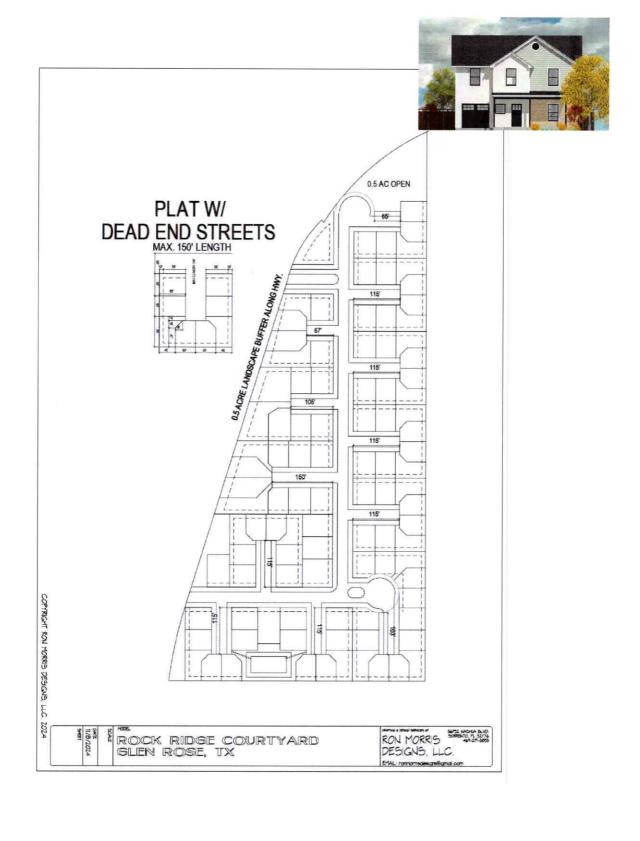
DESIGNS, LLC.

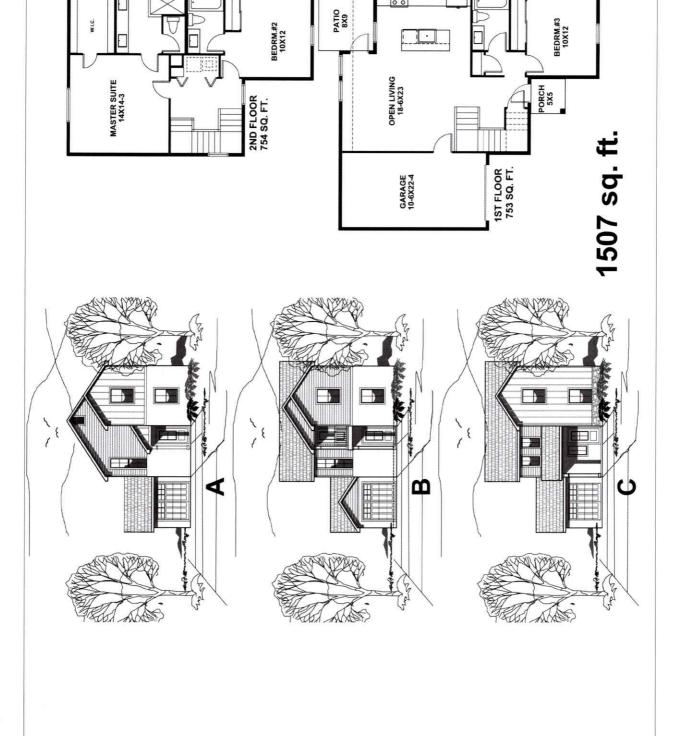
EMALL: romomsdesigns@gmall.com







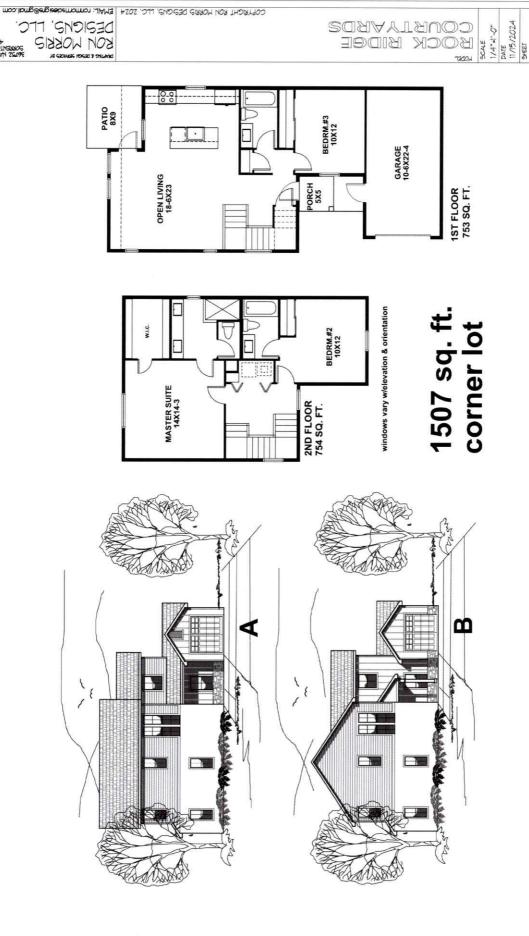




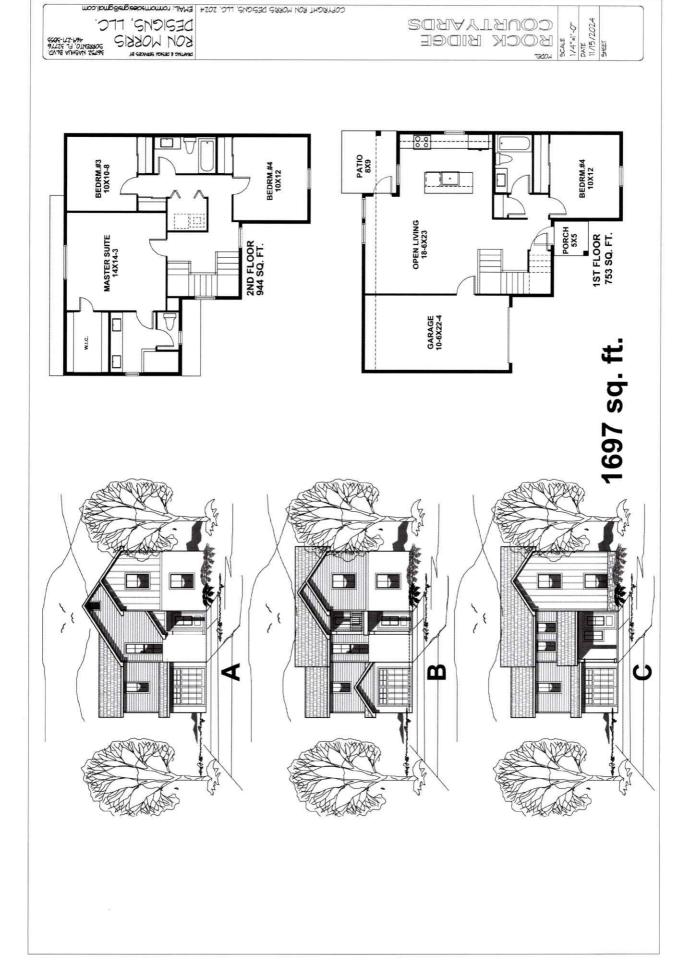
FOOT RIDGE

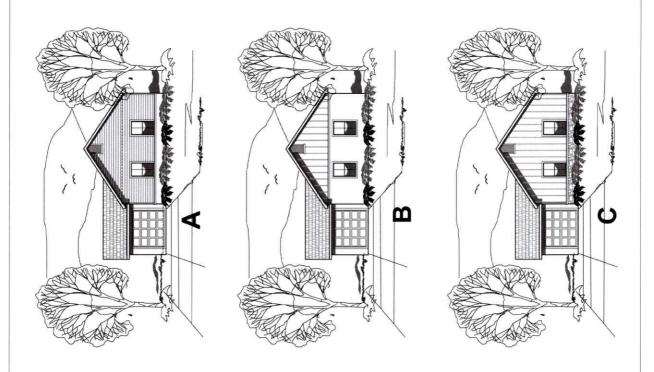
COPYRICHT ROW MORRIS DESIGNS, LLC. 2024 EMALL: ramomisdesigne@gmail.com

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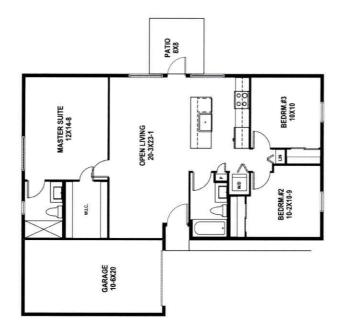


A3











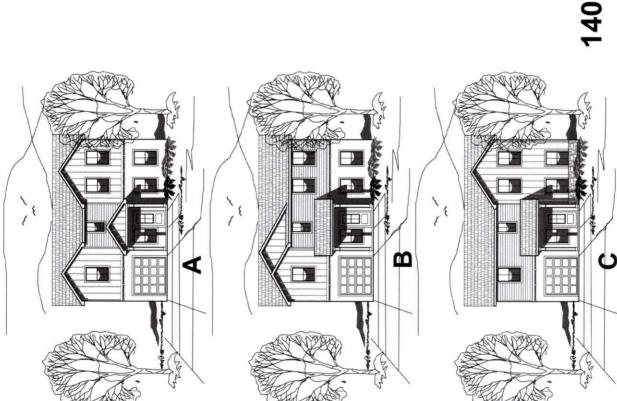
PATIO 8X8

2ND FLOOR

840 SQ. FT.

BEDRM.#3 10-2X10-7

BEDRM.#2 10X10



1408 sq. ft.

IST FLOOR

PORCH 5X10

568 SQ. FT.

GARAGE 10-6X22-4



DECEMBER 23RD, 2024

Conveyance Analysis Report for

Rock Ridge Courtyard

INTRODUCTION

Project Location: Bo Gibbs Blvd, Glen Rose, TX 76043



Figure 1: Project Location



The purpose of this submittal is to develop a drainage analysis to show that the proposed Rock Ridge Courtyard development will have negligible impact on the hydrology at the project site. Glen Rose is a city in and the county seat of Somervell County, Texas, United States. As of the 2020 census, the city population was 2,659. In Glen Rose, the summers are hot and muggy, the winters are cold and windy, and it is partly cloudy year round. Over the course of the year, the temperature typically varies from 37°F to 96°F and is rarely below 25°F or above 102°F. The normal annual precipitation average 35 inches.

We have determined that the runoff Post development of proposed Rock Ridge Courtyard development will be detained at the south west (SW) corner of the project site for the 100-year return period storm.

TOPOGRAPHY

Elevation Data from the Digital Elevation Model (DEM) (1m resolution) from <u>USGS</u>: USGS_one_meter_x61y357_TX_MiddleBrazos_2016¹ was used to generate the terrain for the project:

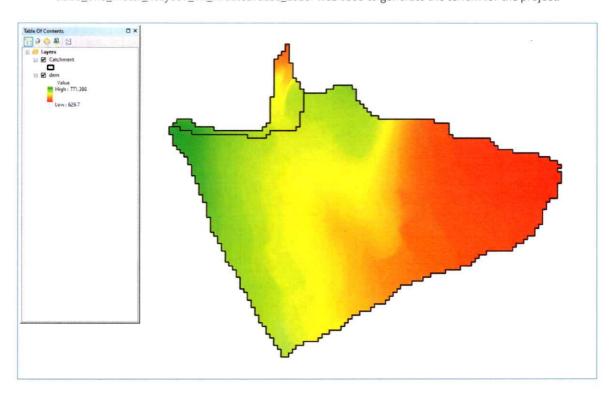


Figure 2: Project Terrain

¹ USGS, USGS_one_meter_x61y357_TX_MiddleBrazos_2016 Source: https://apps.nationalmap.gov/downloader/#/



RAINFALL INTENSITY

The rainfall intensity for varies return period of storm are extracted from the online application of <u>NOAA: Precipitation</u>

<u>Frequency Data Server (PFDS)</u>² based on the address of the project site.

Note: The Rainfall intensity of 24-hr duration for 2, 5, 10, 25, 50 and 100-year return period is selected for the drainage analysis

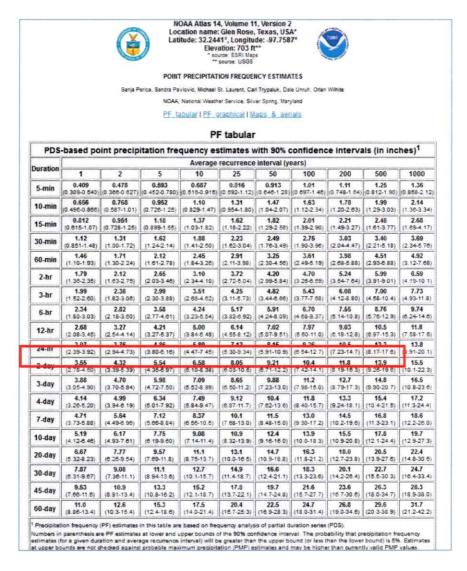


Figure 3: Rainfall Intensity data

² NOAA, Precipitation Frequency Data Server (PFDS) Source: https://hdsc.nws.noaa.gov/



HYDROLOGY

To compute the pre and post development, a HEC HMS software application was used to delineate the catchment, as well as a Win TR-55 software application for pre v/s post drainage analysis for various return periods of storm using SCS Type-2 24-hr storm duration. <u>USDA: Part 630 Hydrology National Engineering Handbook</u>³

The inputs for the Win-TR-55 extracted from HEC HMS catchment delineation. The following are catchment parameters

Table 1: Catchment parameter

Parameters	Quantity	Units
Total Drainage Area	91.04	acre
Longest Flow path		
length	1552	ft
Channel slope	0.081	ft/ft

Source: https://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=27002.wba

³ USDA, Part 630 Hydrology National Engineering Handbook



PRE-DEVELOPMENT CONDITION



Figure 4: Catchment area spread over the Project site

For the pre-development analysis, the land use curve number CN assigned in the Win-TR55 model was based on the observation from the aerial imagery. Most of the catchment area is covered with developed medium intensity and high intensity urban industrial areas. Assuming Hydrological soil group B, and the <u>weighted Curve number 76</u> assigned for the catchment in the pre development stage.



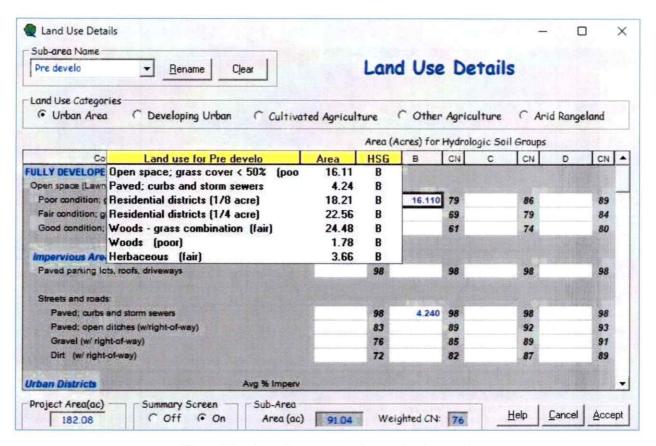


Figure 5: Land use Curve number for pre-development



POST DEVELOPMENT ANALYSIS (PROPOSED ROCK RIDGE COURTYARD SITE PLAN)

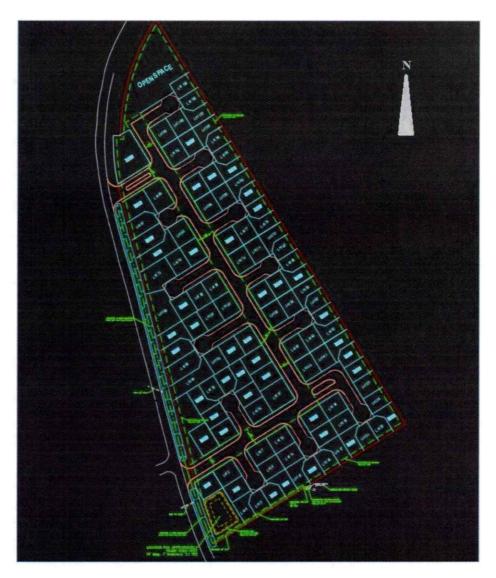


Figure 6: Proposed Layout plan of Rock Ridge Courtyard

For the Post development scenario, the proposed development area is 13.25 acres. With a curve number of <u>98</u> assigned for this proposed development (which includes development of roads, building roofs and parking plots based on the site plan), the weighted curve number remains the same as predevelopment (i.e. <u>78</u>).



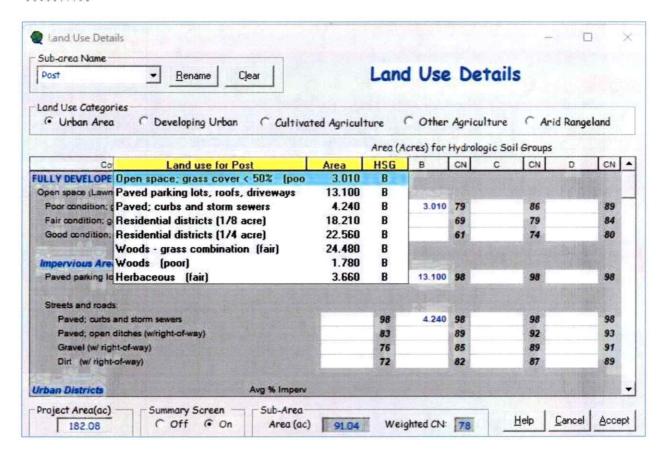


Figure 7: Land use Curve number for post-development



PRE V/S POST DEVELOPMENT COMPARISON

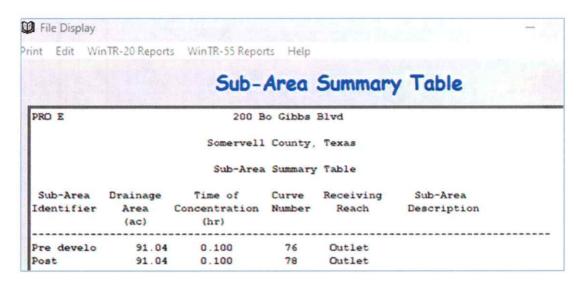


Figure 8: Sub area summary table

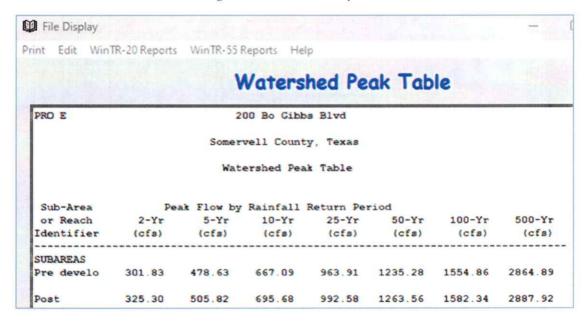


Figure 9: watershed peak flow comparison summary table showing pre v/s post development scenario



Table 2: Drainage peak flow for pre and post conditions

Return period	Pre(cfs)	Post(cfs)	surplus flow(cfs)	
2	301.83	337.19	35.36	
5	478.63	518.69	40.06	
10	667.09	708.77	41.68	
25	963.91	1006.24	42.33	
50	1235.28	1277.11	41.83	
100	1554.86	1595.34	40.48	
500	2864.89	2898.37	33.48	

COMPUTATION SURPLUS RUN-OFF GENERATED FROM PROPOSED DEVELOPMENT FOR 100YR STORM

For 100-year storm,

Proposed developmental Area=13.250 acre

Pre development scenario,

Run off depth =11.586 inches

Total run off volume = 557509.97 cubic ft

Post development scenario,

Run off depth =11.882 inches

Total run off volume= 571753.28 cubic ft

Total surplus run off volume generated= Post development run off volume- Pre development run off volume

= 14,243.30 cubic ft.

A detention pond is proposed on the southwestern corner of the Rock Ridge courtyard development. The proposed pond will have a storm runoff storage capacity equal to or greater than the required post development runoff surplus mentioned above. Figure 10 shows the proposed location of the detention pond and the evacuation pipe.





Figure 10: The Proposed location of detention pond and its evacuation pipe barrel.

In addition to the proposed onsite detention pond, a roadside ditch is planned to carry the existing run-off generated from the Bo Gibbs Boulevard, which is around 11.55 cfs for the 100-yr storm. The sizing of the concrete trapezoidal road ditch is shown in Figure 11, and the ditch alignment will be shown within the site plan drawing.

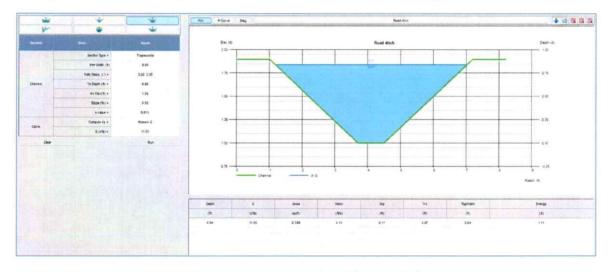


Figure 11: The Proposed size of the road ditch



HYDRAULICS

Manning's N value

- Channel 0.07
- Right overbank 0.04
- Left overbank 0.07

Geometry - Cross-Sections

A total of 5 **cross-sections** were generated for the river stream. A **Cross-section** is drawn at the upstream limits of the project site. This allows for a conservative approach to the **BFE Determination**, as the BFE drops across the site (Cross section 1490 to 370):

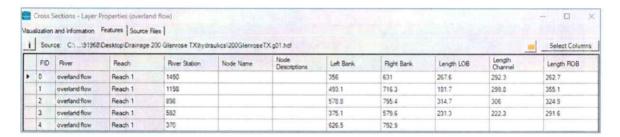


Table 3: Project Cross-Section Geometry

Steady Flow Data

The calculated 100-year peak discharge is applied at the upstream limit of the site at Cross-section 1490

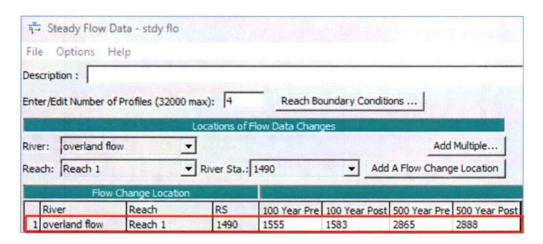


Table 4: Steady Flow Data



Per FEMA 265, the model was analyzed in Steady Flow conditions using HEC-RAS 6.4.1. Below are the visual representations of the results.

		5. 产 建国		No.	HEC-RAS	Plan: Pre n Post		River: overland flow		w Reach	Reach: Reach 1	
Reach	River Sta	Profile	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Ch
244			(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Reach 1	1490	100 Year Pre	1555.00	708.73	711.09	711.09	711.79	0.021509	6.72	231.66	172.11	1.01
Reach 1	1490	100 Year Post	1583.00	708.73	711.11	711.11	711.81	0.021309	6.74	234.96	172.97	1.01
Reach 1	1490	500 Year Pre	2865.00	708.73	711.81	711.81	712.80	0.018207	8.01	365.27	199.28	0.99
Reach 1	1490	500 Year Post	2888.00	708.73	711.83	711.83	712.82	0.017822	7.98	370.02	200.77	0.98
Reach 1	1198	100 Year Pre	1555.00	702.64	704.96	704.81	705.38	0.021037	5.85	318.57	260.18	0.97
Reach 1	1198	100 Year Post	1583.00	702.64	704.98	704.81	705.41	0.021213	5.94	323.74	261.86	0.98
Reach 1	1198	500 Year Pre	2865.00	702.64	705.50	705.36	706.23	0.022968	7.78	468.02	295.11	1.08
Reach 1	1198	500 Year Post	2888.00	702.64	705.51	705.36	706.24	0.023024	7.81	470.06	295.30	1.08
Reach 1	898	100 Year Pre	1555.00	695.96	698.19	698.19	698.81	0.031810	7.01	256.83	206.97	1.18
Reach 1	898	100 Year Post	1583.00	695.96	698.21	698.21	698.83	0.031574	7.03	260.58	207.95	1.18
Reach 1	898	500 Year Pre	2865.00	695.96	698.89	698.89	699.69	0.027231	7.95	429.87	275.87	1.15
Reach 1	898	500 Year Post	2888.00	695.96	698.90	698.90	699.70	0.027155	7.97	432.40	276.10	1.15
Reach 1	592	100 Year Pre	1555.00	686.44	689.21	689.21	689.92	0.018549	7.03	245.57	165.55	0.97
Reach 1	592	100 Year Post	1583.00	686.44	689.23	689.23	689.95	0.018745	7.06	248.94	167.56	0.97
Reach 1	592	500 Year Pre	2865.00	686.44	689.93	689.93	690.99	0.018899	8.59	376.76	191.51	1.02
Reach 1	592	500 Year Post	2888.00	686.44	689.94	689.94	691.00	0.018887	8.61	378.98	192.09	1.02
Reach 1	370	100 Year Pre	1555.00	681.57	684.21	684.21	684.94	0.020490	6.85	229.81	165.22	1.00
Reach 1	370	100 Year Post	1583.00	681.57	684.23	684.23	684.96	0.020462	6.88	233.00	166.49	1.00
Reach 1	370	500 Year Pre	2865.00	681.57	684.96	684.96	685.98	0.017894	8.14	362.65	184.05	0.99
Reach 1	370	500 Year Post	2888.00	681.57	684.96	684.96	685.99	0.018158	8.20	362.81	184.06	1.00

Table 3: Hydraulic table results

Cross section	100-Yr V	Vater surfac	e elevation(ft.)	500-Yr Water surface elevation(ft.)			
	Pre	Post	difference	Pre	Post	difference	
1490	711.09	711.11	0.02	711.81	711.83	0.02	
1198	704.96	704.98	0.02	705.5	705.51	0.01	
898	698.19	698.21	0.02	698.89	698.9	0.01	
592	689.21	689.23	0.02	689.93	689.94	0.01	
370	684.96	684.96	0	684.96	684.96	0	

Table 4: WSE (Water surface elevation) comparison for different scenarios



CONCLUSION

The surplus runoff generated from the Post development of Rock Ridge Courtyard development varies from 35 to 42 cfs. Also, an additional runoff volume storage of 14,243 cubic ft. for 100-year return period, which will be detained at the SW corner of the proposed development. The offsite flows will be conveyed within the proposed roadside ditch (Refer Figure 11.), then get captured by a 30" pipe, and eventually upsized to a 48" pipe prior to the ultimate connection point at the existing catch basin. The pond will connect to this line, with a restrictor prior to the connection point, to keep the flows at current conditions. (Refer Figure 10.)



APPENDIX

Time of Concentration

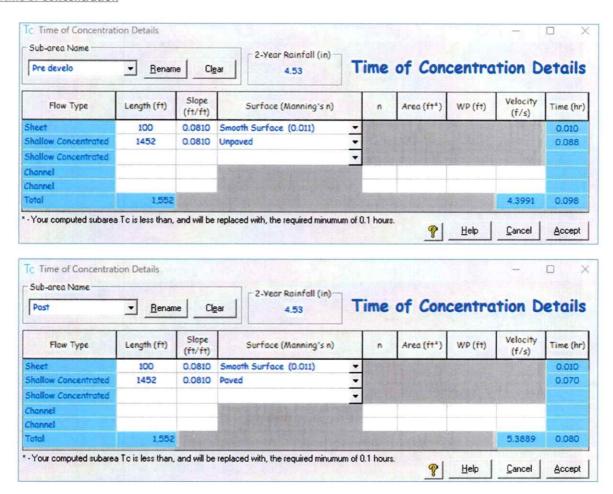


Figure 12: Time of concentration for pre and post development scenario



Stream Profile Plot:

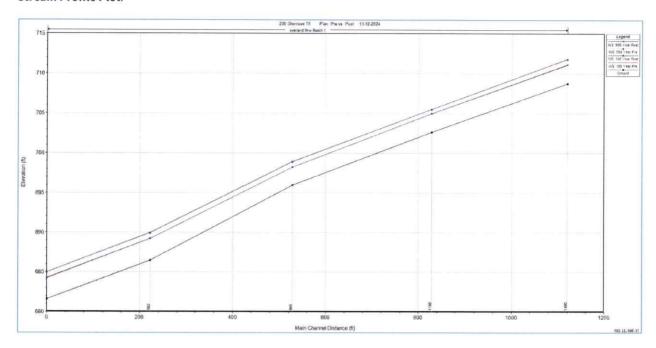


Figure 13: Stream Profile Plot (HEC-RAS)