

## **AGENDA ITEM REQUEST FORM** CITY OF JOHNSON CITY, TEXAS **CITY COUNCIL**

ITEM NO. 10

MEETING DATI	E: March 1, 2022		
AGENDA PLACI	EMENT:		
	<ul><li>☐ Ceremonial</li><li>☐ Consent</li><li>☑ Individual</li><li>☐ Closed Session</li></ul>		
<b>CAPTION:</b>			
establishing Phase of the Joseph Duel County, Texas, mo	action on a Preliminary Plat Ap One of the Homesteads at Deer C Survey, Abstract No. 147 and Elipre particularly described as 217 2 o. 8609. (Applicant)	Creek consistin jah Marshall S	g of seventy-seven (77) lots out urvey Abstract No. 393, Blanco
☐ Goal 2: Exp ☐ Goal 3: Imp	rease Housing Diversity and Quality Lodging rove Code Enforcement rove Streetscaping &	☐ Goal 5: ☐ Goal 6: ☐ Goal 7: Promotion of ☐ Goal 8: Development	Improve Fire Safety Improve Streets Increase Publicity & the Community Increase Economic Activities

Legacy Capital Funding, LLC submitted a Preliminary Plat Application establishing Phase One of the Homesteads at Deer Creek on January 18, 2022. The development, which received preliminary plat approval under another development team in the latter part of 2020, was granted vested status on January 21, 2022; consequently, the development has been reviewed in accordance with the Subdivision Ordinance in effect at the time of preliminary plat approval in November 2020.

The Application was reviewed by the Planning and Zoning Commission on February 22, 2022. The Commission recommended approval of the Application, pending the developer addressing City Engineer and Staff concerns / comments prior to the completion of the Final Plat.

FINANCIAL: N/a

### **ATTACHMENTS:**

- Application
- Location Map
- Sewer Calculations dated 2/9/22 and 2/21/22
- Proposed preliminary plat and related documents.

#### **SUGGESTED ACTION:**

Motion to approve a Preliminary Plat Application from Legacy Capital Funding, LLC establishing Phase One of the Homesteads at Deer Creek consisting of seventy-seven (77) lots out of the Joseph Duel Survey, Abstract No. 147 and Elijah Marshall Survey Abstract No. 393, Blanco County, Texas, more particularly described as 217 281 Loop Rd., Johnson City, Texas 78636 and BCAD Prop. ID No. 8609. The approval should be contingent upon the developer addressing the following City Engineer and Staff concerns / comments prior to the completion of the Final Plat:

In accordance with Chapter 10 Subdivision Regulation, Article 10.02 Subdivision Ordinance, Sections 8 Preliminary Plats and 9 Final Plats of the Municipal Code of Ordinances in effect at the time of vested status for the project, please revise the preliminary plat to reflect the following:

- 1. Show proposed drainage, utility, and non-access easements, if applicable, including their dimensions. From what I can see, utility easements are located on the utility layout plan, but not on the actual plat.
- 2. Correct the floodplain note showing the presence of a special flood hazard area within the property.
- 3. Place the following note on the plat: "Preliminary Plat for Inspection Purposes Only."
- 4. Place the following note on the plat: "Water and Wastewater impact fees were not paid at the time of platting for this plat. All impact fees must be paid in full, at the rate in effect at the time of service applications, prior to water meter set and/or wastewater service connection."
- 5. Surveyors Notes. Add "City" under Note 3 to read as follows: "There are no encroachments, conflicts or protrusions, except as shown hereon, and said property has access to and from a dedicated City roadway."
- 6. Engineer Signatory. Replace "Blanco County" with "City of Johnson City" to read as follows: "I, the undersigned, a registered professional engineer in the State of Texas, do hereby certify that I prepared all drainage calculations and designed all drains, streets/roads and appurtenances in accordance with the City of Johnson City Subdivision Regulations."
- 7. What does "LOOK" mean for property corners? The acronym is not located within the legend. Note that all property corner markers must be permanent.
- 8. Add a right of way width for 281 Loop. If variable, so state.
- 9. Add topographical information approximately equivalent to two (2) foot contour lines, and based on U.S. Geological Survey datum.
- 10. The plat only shows the front building setback line of 20'. Please add all setback lines as follows. A standard note applicable to all lots or individually notated is fine:

- a. Front -20'
- b. Sides 10'
- c. Rear 15'
- 11. Identify all lots with less than 50' street frontage and submit a Board of Adjustment variance application for said lots. BOA variance application can be found here: <a href="https://www.johnsoncitytx.org/documents/board-of-adjustment-variance-application/">https://www.johnsoncitytx.org/documents/board-of-adjustment-variance-application/</a>
- 12. Identify all lots with less than 8,000 sq. ft., if any. See note above for BOA variance application.
- 13. Plat Title Block:
  - a. Change "Final" to "Preliminary"
  - b. Change 91.567 acres to reflect actual acreage of Phase One
  - c. Remove S.F. reference. Not necessary.
  - d. The total lots referenced under Surveyors Notes (73 Lots) does not match the lots referenced under the plat title block (77 lots). At the very least, its confusing. Please clarify.
- 14. A certificate of dedication of all streets, alleys, parks, easements, and other land intended for public use and approved by the City shall be submitted prior to recording the final plat. The certificate must be signed by the owner or owners and by all other persons, firms or corporations holding a lien or owning an interest in the property subdivided and platted, which shall be acknowledged in the manner prescribed by the laws of the State of Texas for conveyance of real property.
- 15. The locations, sizes, structures, et cetera of all drainage structures were submitted as attachments to the Preliminary Plat. I will defer to the City Engineer on the review and approval of all drainages.

## Additionally,

- 1. Please ensure that sufficient right of way (ROW) width is provided for the residential roadway section and utilities, including any proposed roadside ditches. Spacing of utilities should follow TCEQ guidelines.
- 2. Please provide an overall utility layout that shows proposed connections to the existing utility systems, approximate FL and slopes. Depending on the final utility layout, the Final Plat may need to show an extension of ROW and/or an easement to the point of connection with the existing utility systems.
- 3. Please submit a complete plat application and requisite fees, attached hereto. The dollar amounts have been filled out for Phase One of the development. To date, I have not received any fees.

Prior to final plat approval, the City will require the following information be submitted, addressed, and agreed to:

1. A WWTP capacity limitation plan will need to be developed, particularly for additional phases of development.

- 2. A development agreement is suggested between the City and the developer to outline:
  - a. Payment / applicability of impact fees and/or tap fees.
  - b. Timing / criteria for installation of a third pump at the Gonzalez lift station.
  - c. Operation and maintenance of detention ponds.
- 3. A floodplain development permit, attached hereto, including a study to establish the Atlas 14 floodplain will be required.
- 4. Please note that additional final plat comments may need to be addressed once the application and supporting documents requested above are reviewed.
- 5. If to be governed by an HOA, documents establishing the HOA and its authority over common areas not dedicated to the City.

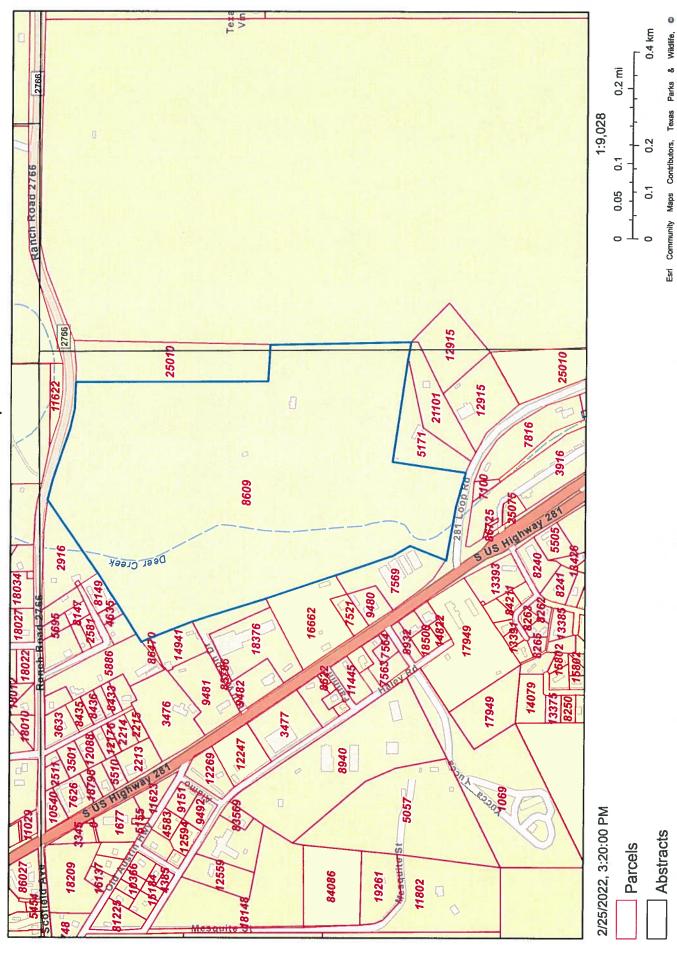
PREPARED BY: City Staff

Date Submitted:	2	2	122	
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# PLAT APPLICATION CHAPTER 10

Section I. Plat and Applicant Information								
PLAT NAME: Homestead at I	der Creek, Ph	iase I						
Owner/Agent: Legacy Capital Funding, LLC Phone: Fax:								
Owner/Agent Address: 1000 &	Loxely Lane,	Austin, TX	Zip Code	78717				
Engineer/Surveyor: Belten Engi	heering, Inc	Phone 254-771-5600	Fax					
Engineer/Surveyor: Belton Engineerly, Inc Phone: 254-771-5600 Fax:  Address: 106 N. Enst Street, Belton, TX Zip Code: 76513								
Elevation Survey: Major Plat Amending Plat Replat Minor Plat								
Water Service: City		iat C Replat C Millio	лгас					
Sewer Service: City								
Sewel Service, Garage	☐ Septic Syste	em .						
Plat is over, within, or includes the	ofollowing:	Land Area Being Platted:	Lots	Acres				
Yes 🛮 No 🗌 Johnson City City Lin	nits	Single-Family (SF)	73	21.28 ac				
Yes No Johnson City Extrate	mitorial Jurisdiction	Non-Single Family (NSF)						
Yes 💋 No 🗌 Flood Plain		Tron onigio i anni (troi )						
Base preliminary platting fee	\$ 654.00	Base final platting fee	\$ 4	02.00				
Single family residential development		Non-single family res	Idential					
77 lots x \$67,00 / lot	\$ 5159.00	development	\$					
Variance agreement time	\$	Plat deferral  Vacating declaration	\$	\$				
extension	\$	vacaning decidiation	\$	s				
Re-plat involving notification	\$	Amending plat	\$					
Plat withdrawal	\$	Emergency add-on	\$					
Plat recording fee Plan review fee	\$ Actual County Co \$ 442.00	ost Processing fee	\$ 1	\$ 123.00				
	\$ 442.00			J				
Total Fee: \$ 6,780.00								
All fees shall be paid	at the time of plat filli	ng.						
Required Letters of Certification, if ap Environmental Quality (TCEQ), Bland	opticable: PEC; TX	C Dept. of Transportation (TxDO ent Property Tax Certificate.	T); City; Tex	as Commission on				
I hereby certify that the above information is true and correct.								
Print Name: Lina (May)  Date: Felo , 215t 2022  Professional Engineer  Registered Professional Land Surveyor								
	Office Use Only:							
				######################################				
Updated 11/27/20								



Blanco County Appraisal District, BIS Consulting - www.bisconsulting.com Disclaimer. This product is for informational purposes only and has not been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of boundaries.



Feb 9, 2022

CITY OF JOHNSON CITY ATTN.: BRENT SULTEMEIER

303 E. Pecan Dr. Johnson City TX 78636

RE: SEWER CALCULATIONS FOR "HOMESTEADS ON DEER CREEK SUBDIVISION"

As requested below is the sewer calculations for the proposed single family subdivision along Loop 281 (Blanco County Road No. 213).

- Single family subdivision
- Total number of proposed lots = 201 lots
- Total subdivision acreage = 91.57 ac.
- Number of capita per household = 3.5 capita
- Max. Flow Peak Factor = 3
- Total daily wastewater flow per capita 100 gal/day (Table B.1 Design organic loadings and flows for new wastewater treatment systems/TCEQ chapter 217/317.)

Total flows are calculated as following:-

- 1) Max dry weather flow= 201 lots x 3.5 capita/lot x 100 gal/capita/day x 3 (max flow peak factor) = 211,050 gal/day =146.56 gal/min
- 2) Max wet weather flow= 201lots x 3.5 capita/lot x 100gal/capita/day x 3 (max flow peak factor)+91.57 acres x 1500 gal/day/acre= 348,405 gal/day = 241.95 gal/min

Sincerely,

BELTON ENGINEERING, INC.

Lina Chtay, P.E., C.F.M.



Feb 21, 2022

CITY OF JOHNSON CITY ATTN.: BRENT SULTEMEIER

303 E. Pecan Dr. Johnson City TX 78636

RE: SEWER CALCULATIONS FOR "HOMESTEADS ON DEER CREEK SUBDIVISION PHASE I"

As requested below is the sewer calculations for the proposed single family subdivision along Loop 281 (Blanco County Road No. 213).

- Single family subdivision
- Total number of proposed lots = 73 lots
- Number of capita per household = 3.5 capita
- Total daily wastewater flow per capita 100 gal/day (Table B.1 Design organic loadings and flows for new wastewater treatment systems/TCEQ chapter 217/317.)

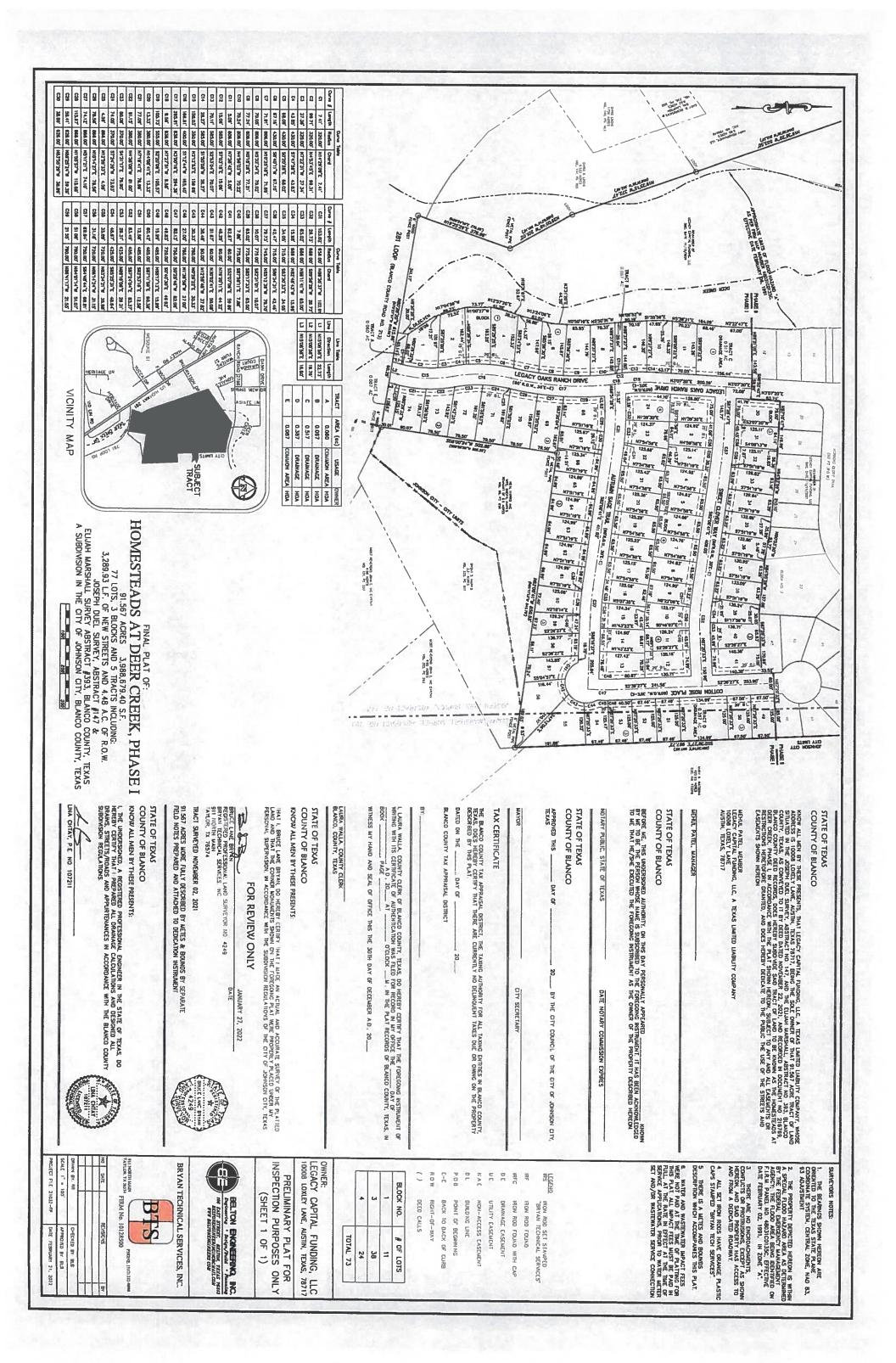
Total flows are calculated as following:-

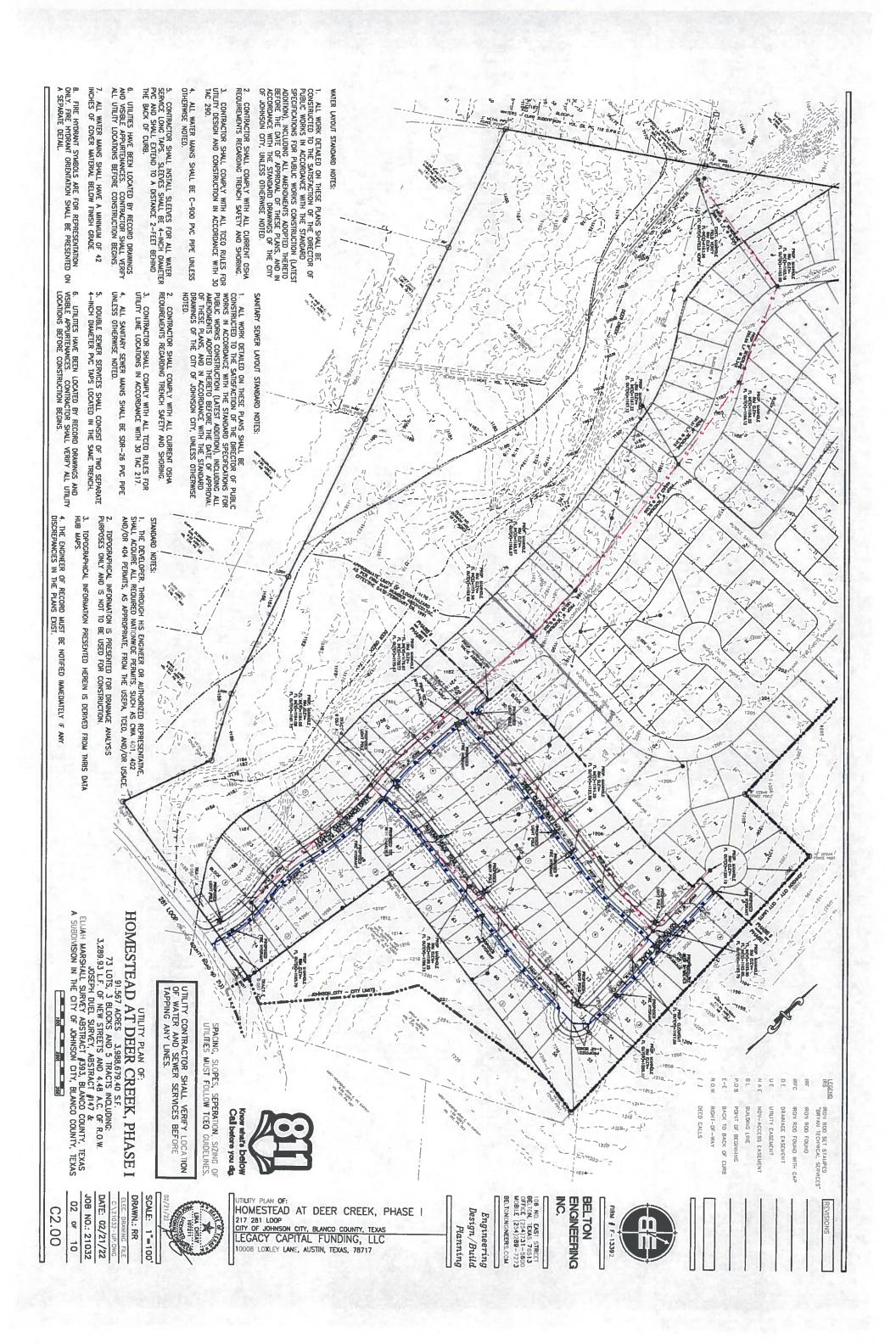
1) Max dry weather flow= 71 lots x 3.5 capita/lot x 100 gal/capita/day =25,550 gal/day =17.74 gal/min

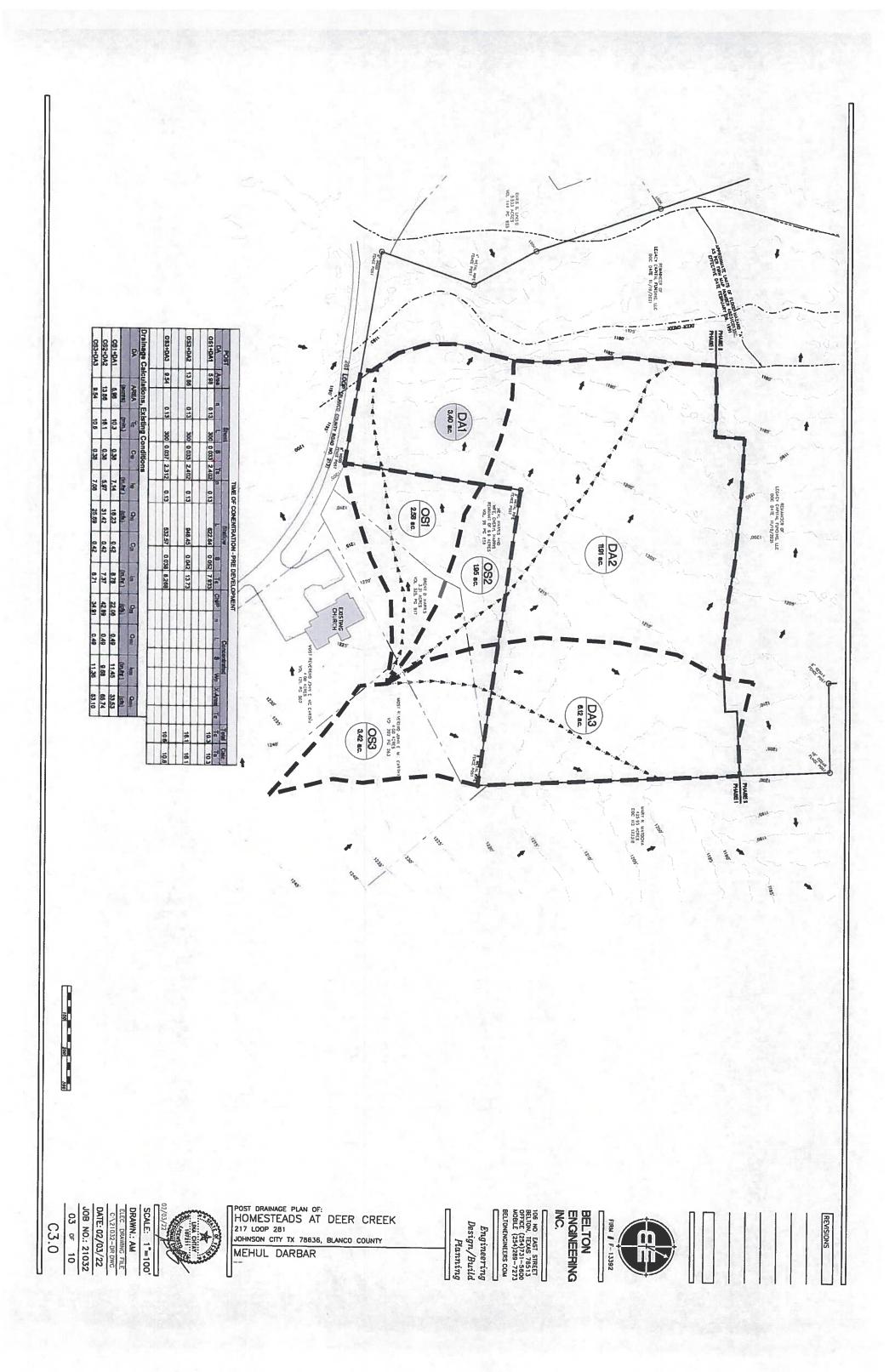
Sincerely,

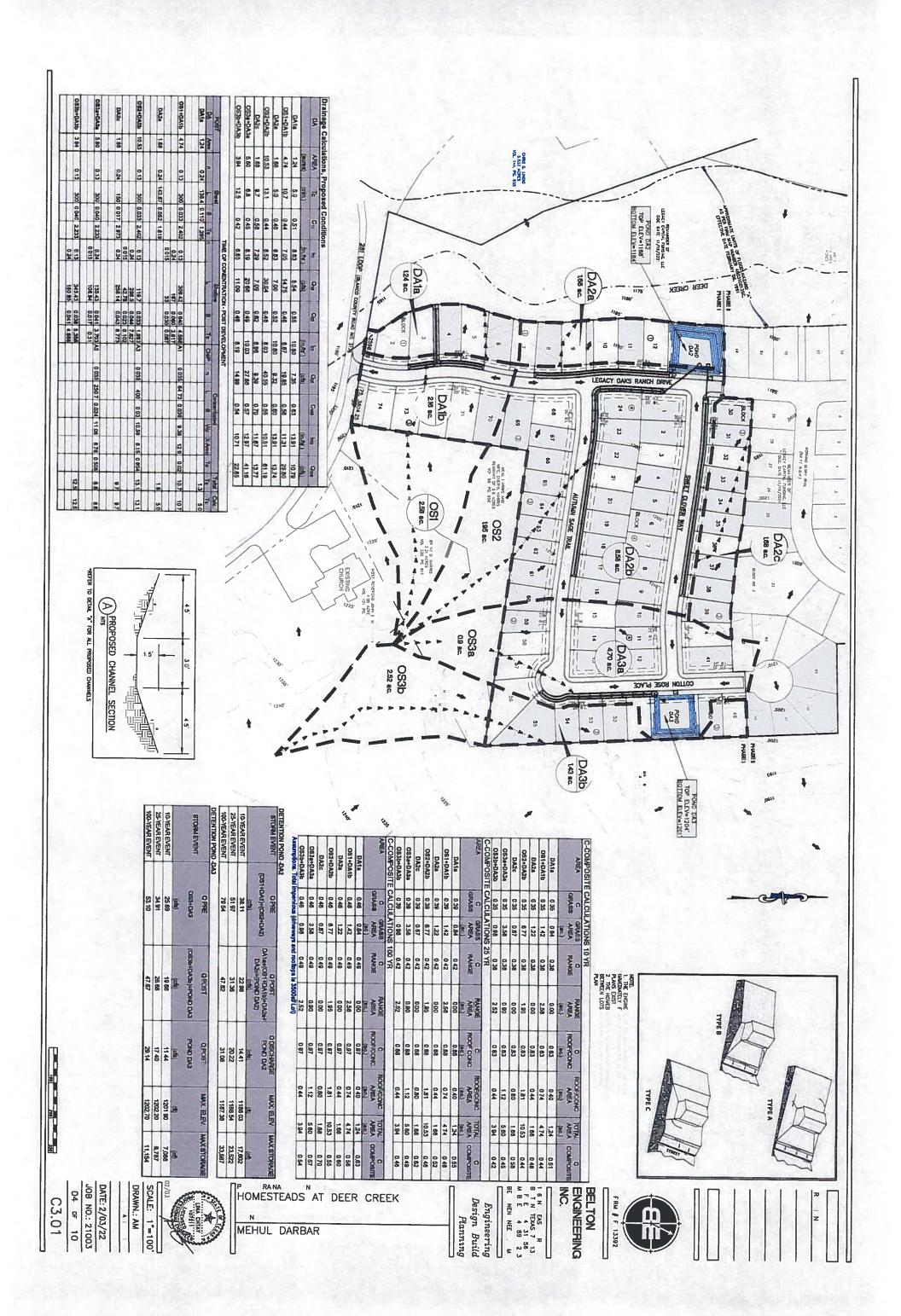
BELTON ENGINEERING, INC.

Lina Chtay, P.E., C.F.M.









80 00 (E) 80 Hyd. No. 18 80 1000 20 00 30.00 80 (dg) Hydrograph type Storm frequency Time Interval Inflow hyds Hydrograph Report Hyd. No. 17 (0S1+DA1)+(0S2+DA2)-PRE Hydrograph Report Hyd No = Combine = 100 yrs = 1 min = 1, 2 Hans s DA1a+(OS1+DA1b)+DA2a+DA2c+POND DA2 Hyd No. 18 -- 100 Year - Hyd No 1 (OS1+DA1)+(OS2+DA2)-PRE Hyd No 17 - 100 Year Hyd No 63 Peak discharge Time to peak Hyd. volume Contrib drain are Peak discharge Time to peak Hyd. volume Contrib. drain, area Duraday 62 / 3 / 2022 Part ( C | 20 Appeared 150 g galar) 50 00 (cfs) d 0 (ch) 17 18 SE (F) 1000 15 00 23.00 90 00 8 Hyd. No. 18 DA1a+(O51+DA1b)+DA2a+DA2c+POND DA2 0 (chs) 2000 30 00 Hydrograph type Storm frequency Time interval inflow hyds Hydrograph Report 8 Hyd. No. 17 (051+DA1)+(052+DA2)-PRE Hydrograph Report Hyd No 17 Haw s DA1a+(OS1+DA1b)+DA2a+DA2c+POND DA2 Hyd. No 18 - 25 Year Hyd No 1 10 12 (OS1+DA1)+(OS2+DA2)-PRE Hyd. No 17 - 25 Year Hyd No 8 Hyd No. 2 Peak discharge = 51 97 cfs
Time to peak = 16 min
Hyd. volume = 54,715 cuft
Contrib drain, area = 19 840 sc = 31 36 cfs = 11 min = 76,834 cuft = 9 320 ac hursday, 62 /3 /2522 Thursday 02 | 3 | 2022 8 10 00 1500 35 88 (49) 30 00 00 = 0 (cfs) 17 Hydi. No. 17

DA1s+(DS1+DA1b)+DA2s+POND DA2

Hydrograph type = Combine
Storm frequency = 10 min
Inflow hydis = 5, 6, 7, 9, 13 24 00 Hydrograph Report 100 CF 1000 20 00 8 Hydrograph type = Combine
Storm frequency = 10 yrs
Time Interval = 1 min
Inflow hyds = 1, 2 Hyd. No. 16 (051+DA1)+(052+DA2)-PRE Hydrograph Report Hyd No 16 Hyd Na 5 DA1a+(051+DA1b)+DA2a+DA2c+POND DA2 Hyd No 17 - 10 Year 8 10 Hyd No 1 (OS1+DA1)+(OS2+DA2)-PRE Hyd No 18-10 Year 2 - Hyd Na 8 ä Hyd No. 2 ä Peak discharge Time to peak Hyd volume Conhib. drain, area Peak discharge Time to peak Hyd volume Contrib drain area Hyd No. 7 = 22 98 cfs = 5 min = 58,564 cut = 9 320 ac 17

POND DAZ DRAINAGE AREA HYDROGRAPHS FOR: HOMESTEADS AT DEER CREEK 217 LOOP 281 JOHNSON CITY TX 78636,

MEHUL DARBAR

BELTON ENGINEERING INC.

Engineering Design/Build Planning







0 (ds) 15 00 18.00 38 808 90 Hyd. No. 18 (0536+DA36)+POND DA3 Hydrograph Report 28 00 (cfs) Hyd. No. 3
OS3+DA3-PRE
Hydrograph type
Storm inequency
Time interval
Drainage area
intensity
IDF Curve Hydrograph Report = Combine = 10 yrs = 1 min = 11, 14 = Rational = 10 yrs = 1 min = 9 540 ac = 6 983 in/hr = Johnson City IDF (053b+0A3b)+POND DA3 Hyd No 18 - 18 Year OS3+DAJ-PRE Peak discharge Time to peak Hyd. volume Contrib, drain, area Pack discharge
Time to peak
Hyd. volume
Runoff coeff.
To by User
Asc/Rec imb fact = 19 65 cfs = 12 min = 21,999 cuft = 3 940 ac = 25 31 cfs = 11 min = 16,707 cuft = 0 38 = 1100 min = 1/1 hunday, 62 | 3 | 2622 1 gg 000 Q (cfs) 8 12.00 \* 59 00 (cf.) 28 00 (ch) 6.00 8 Hydrograph type Storm frequency Time interval Inflow hyds. Hyd. No. 19 (OS3b+DA3b)+POND DA3 3500 Hydrograph type Storm frequency Time interval Drainage area intensity IDF Curve Hydrograph Report 15 00 8 36 86 Hyd. No. 3 OS3+DA3-PRE 808 Hydrograph Report Hyd No 3 = Combine = 25 yrs = 1 min = 11, 14 = Rational = 25 yrs = 1 min = 9 540 ac = 8 550 in/hr = Johnson City IDF (083b+DA3b)+POND DA3 Hyd No. 18 - 25 Year US3+DA3-PRE Hyd No 3-25 Year Peak discharge Time to peak Hyd. volume Contrib. drain. area Peak discharge Time to peak Hyd volume Runoff coeff To by User Asc/Rec limb fact = 26.66 c/s = 12 mln = 30,996 cuft = 3.940 ac = 34.42 cfs = 11 min = 22,717 cuft = 0.42 = 11,00 min = 1/1 handay 82 (3/3522) Thursday 82 / 3 / 2022 0 (cts) 35 00 (cfs) 19 (min) Hyd. No. 18

(OS3b+DA3b)+PONID DA3

Hydrograph type = C.
Storm frequency = 1
Time interval = 1
Time interval = 1 20 00 (state) 10 00 Hydrograph Report Hyd. No. 3
C63+DA3-PRE
Hydrograph type
Storm frequency
Time interval
Drainage area
Intensity
IDF Curve Hydrograph Report Hyd No. 3 = Combine = 100 yrs = 1 min = 11, 14 # Rational
# 100 yrs
# 1 min
# 9 540 ac
# 11,205 hvhr
# Johnson City IDF (OS35+DA35)+POND DA3 Hyd No. 19 - 100 Year Peak discharge Time to peak Hyd. volume Contrib drain. ar Peak discharge
Time to peak
Hyd volume
Runoff coeff
To by User
Asc/Rec limb fact = 47.87 cfs = 13 min = 45,263 cuft = 3 940 sc uratey 82 / 3 / 2022

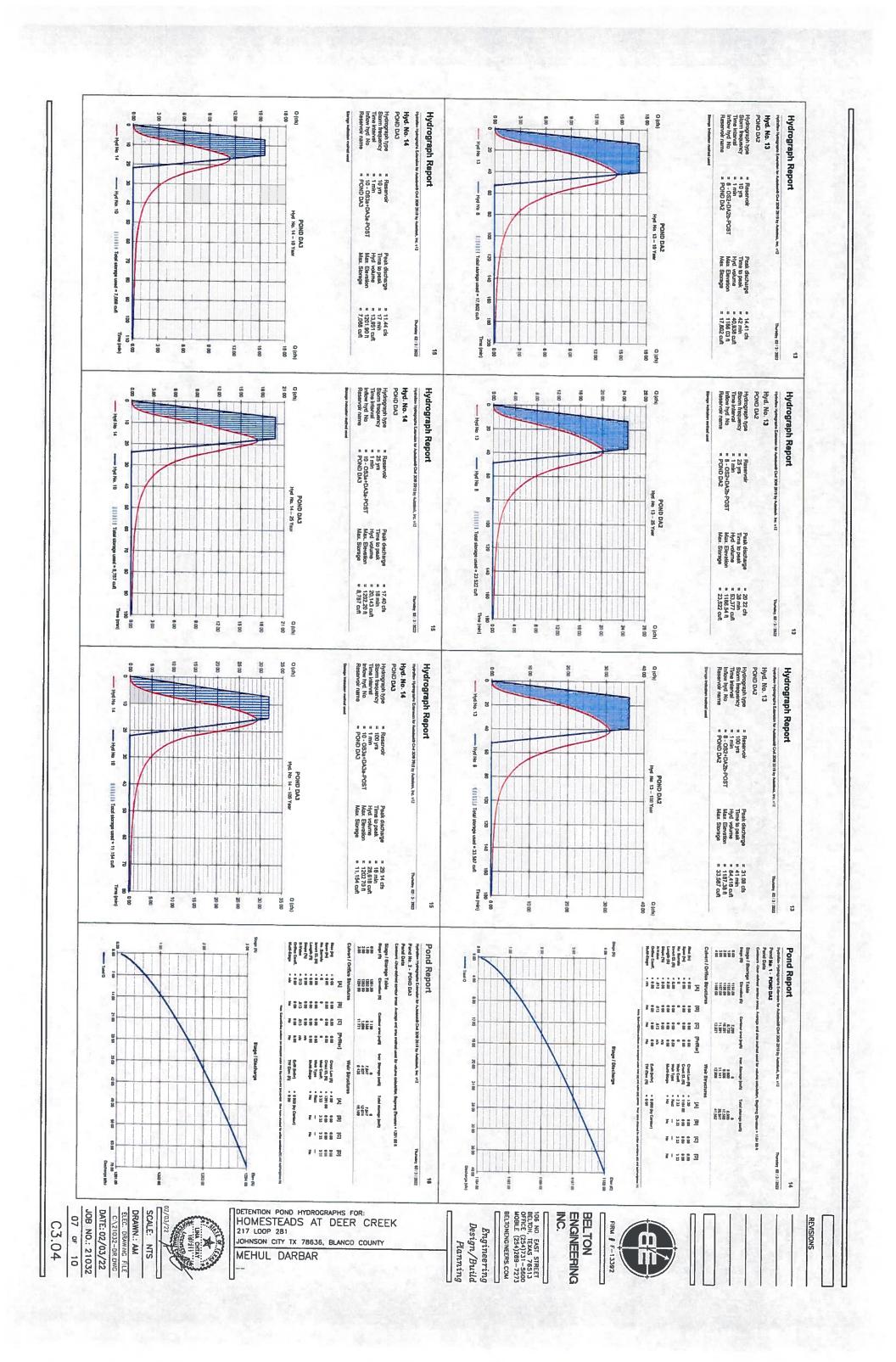
> Engineering Design/Build Planning

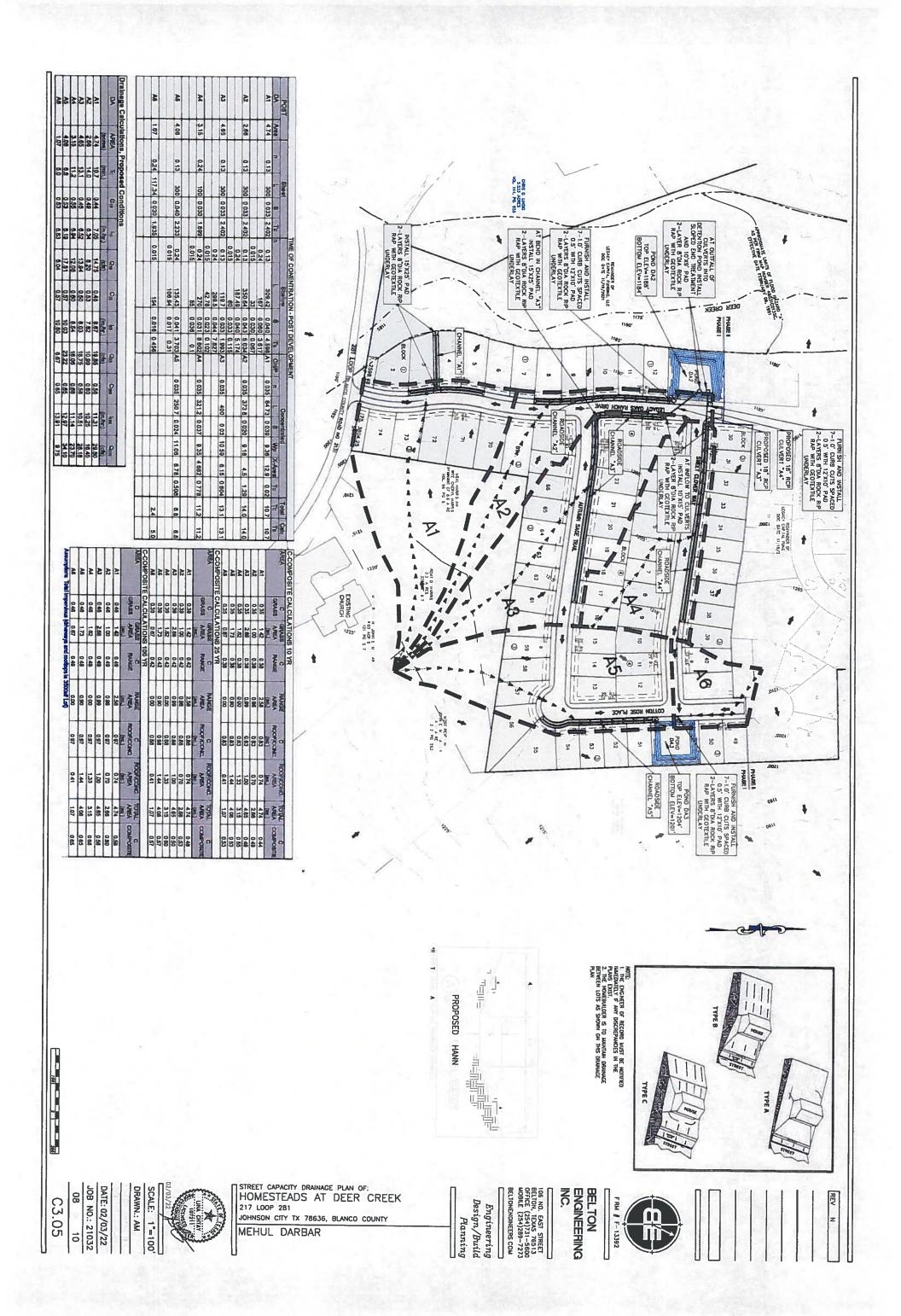
FRW / F-13392

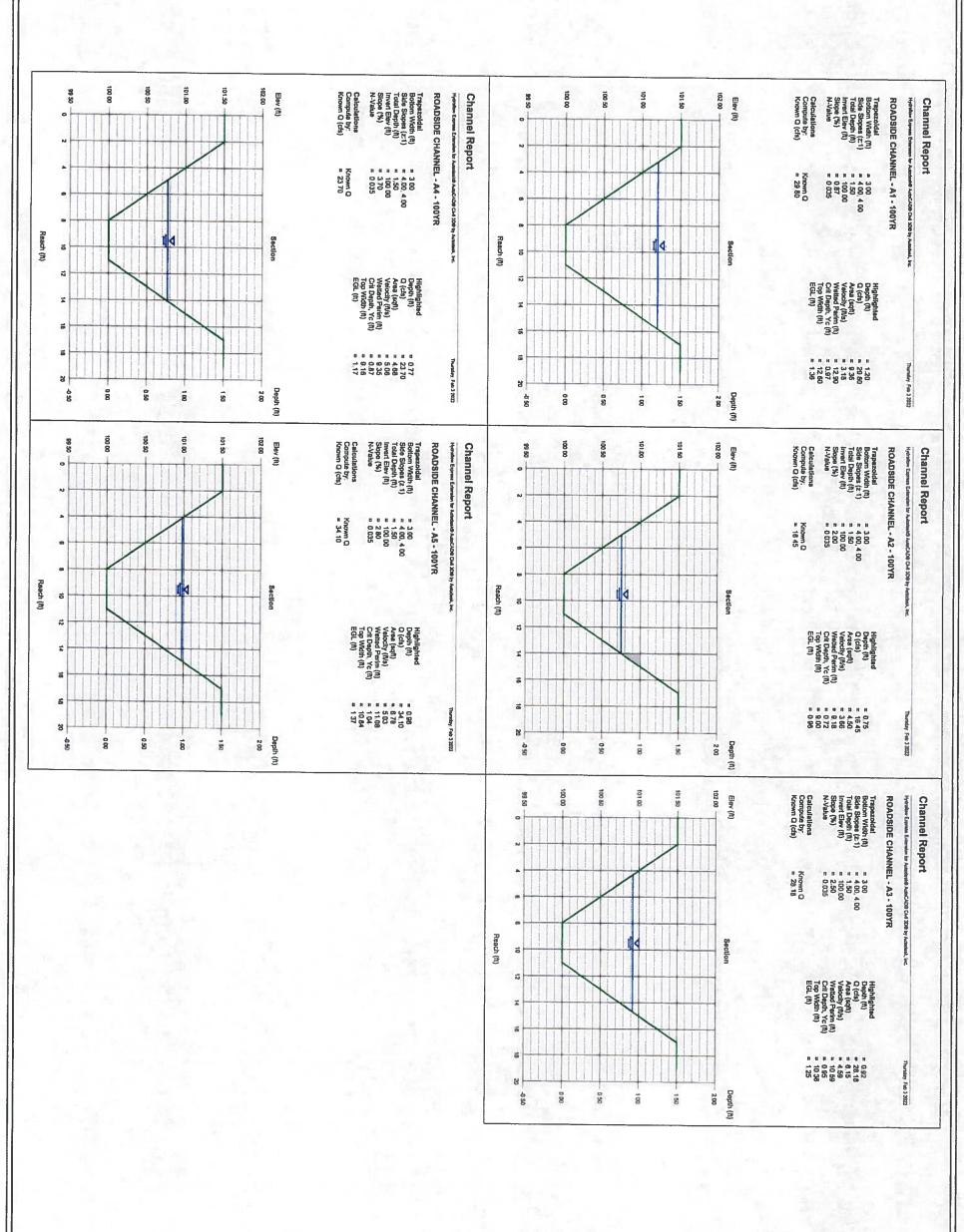
BELTON
ENGINEERING
INC.

POND DA3 DRAINAGE AREA HYDROGRAPHS FOR:
HOMESTEADS AT DEER CREEK
217 LOOP 281
JOHNSON CITY TX 78636, BLANCO COUNTY

MEHUL DARBAR







C3.06

ELEC DRAWNG FILE C\21032 DR DWG DATE: 02/03/22 JOB NO.: 21032 09 of 10

CHANNEL REPORTS FOR: HOMESTEADS AT DEER CREEK

JOHNSON CITY TX 78636, BLANCO COUNTY

MEHUL DARBAR

106 NO EAST STREET BELTON, TEXAS, 78513 OFFICE (254)731-5800 MOBILE (254)289-7273 BELTONENGINEERS COM Engineering Design/Build Planning







SCALE: NTS

DRAWN.: AM

ELEC DRAWING FILE

C\21032-DR DWG

DATE: 02/03/22

JOB NO.: 21032

10 of 10

C3.07

CULVERT REPORTS FOR: HOMESTEADS AT DEER CREEK 217 LOOP 281 JOHNSON CITY TX 78636, BLANCO COUNTY MEHUL DARBAR

FIRM I F-13392

FIRM I F-13392

BELTON
ENGINEERING
INC.

BELTON, TEXAS 78513
OFFICE (254)731-5600
MOBILE (254)721-5600
MOBILE (254)723-78972
BELTONENCINCERS COM

Engineering
Design/Build
Planning

= 100,00 = 1,40 = 100,28 = 12.0 = Ckrular = 12.0 = 1 0.012 = 0.012 = Curbular Concrete = Square edge wifteedwall (C) = 0.008, 2, 0.0398, 0.67, 0.5 Calculations
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Rese (in)
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Coeff. K.M.C.Y.X **Culvert Report** AREA-A3-CULVERT-100YR = 98 50 = 1,31 = 100 00 = 18 0 = Circular = 18 0 = 1 0 = 0 012 = Circular Concrete = Square edge w/headwall (C) = 0.0098, 2, 0.0398, 0.87, 0.5 Highlighted Obtacl (cfs)
Opipe (cfs)
Opipe (cfs)
Covertop (cfs)
Veloc Up (f/s)
HGL Dn (ff)
HGL Up (ff)
HWE Dev (ff)
HWD (ff) Calculations
Omin (cfs)
Omax (cfs)
Tailwater Elev (f) = 28.18 = 12.97 = 15.21 = 7.48 = 7.74 = 10.135 = 103.14 = 2.09 28.18 28.18 (dc+D)/2 Invert Elev Dr. (ft)
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Slope (%)
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Slape
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r-Velsie
Culvert Type
Culvert Entrance
Coeff. K.M.c. Y.k
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Top Width (ft)
Top Width (ft) AREA-A4-CULVERT-100YR **Culvert Report** = 98.50 = 88.58 = 100.00 = 18.0 = 18.0 = 18.0 = 18.0 = 18.0 = 0.012 = Circular concrete Calculations
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Omax (cis)
Talkwater Elev (I
Highlighted
Couat (cis)
Opine (cis) 23.70 23.70 (dc+D)/2 waday Feb 3 2022

Invert Elev Dr (ft)
Frype Length (ft)
Slope (%)
Invert Elev Up (ft)
Shape
Span (in)
Shape
Culvert Type
Culvert Type
Culvert Type
Culvert Top Elevation
Top E

**Culvert Report** 

DRIVEWAY CULVERTS - 100 YR

NOTE:
1. PROPOSED DRVEWAY CULVERTS CROSSING ROAGSDE CHANNELS ARE TO BE 12'DM RCP WITH SAFETY END TREATMENTS REFER TO TODO! DETAIL PSE1-SP-21