# PRELIMINARY PLAN FOR

# **IMPACT WAY PHASE IV**

BEING 17.6863 ACRES (770,417 SQ.FT.), CALLED 17.69 ACRES OF LAND, MORE OR LESS, OUT OF THE WILLIAM CALDWELL SURVEY, ABSTRACT NO. 162, TRAVIS COUNTY, TEXAS, BEING THAT TRACT CONVEYED TO THE STATE OF TEXAS, AND DESCRIBED AS EXHIBIT "A" IN DEED RECORDED IN DOCUMENT NO. 2004188029, OFFICIAL PUBLIC RECORDS, TRAVIS COUNTY, TEXAS, AS SURVEYD ON THE GROUND BY TEXAS AND SURVEYING, INC. ON MAY 25TH, 2023, AND FURTHER DESCRIBED BY METES AND BOUNDS IN DOCUMENT NO. 2023072639, OFFICIAL PUBLIC RECORDS, TRAVIS COUNTY, TEXAS.

STATE OF TEXAS:
KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF TRAMS:
THAT I, THOMAS P. DIXON, DO HEREBY CERTIFY THAT I PREPARED THIS PLAN FROM AN ACTUAL AND ACCURATE ON-THE-GROUND SURVEY OF THE LAND, AND THAT
THE CORNER MONUMENTS SHOWN THEREON MARKING THE BOUNDARY OF THE PROPOSED SUBDIVISION, BUT NOT INTERIOR LOT LINES, WERE PROPERLY PLACED UNDER
MY PERSONAL SUPERVISION, IN ACCORDANCE WITH ALL CITY OF PFLOGERVILLE, TEXAS CODES AND ORDINANCES AND THAT ALL KNOWN EASEMENTS WITHIN THE
BOUNDARY OF THE PLAT ARE SHOWN HEREON.



Thomas P. Dixon
Registered Professional Land Surveyor No. 4324
Licensed State Land Surveyor
WATERLOO SURVEYORS,
P.O. BOX 160176,
AUSTIN, TX 78716-0176
481-9602
Firm Registration No. 101244-00

LINEAR FEET WIDTH (FT) ACRES IMPACT WAY EXTENSION 1,550

|       | BLOCK LENGTH | LINEAR FEET | WIDTH (FT) | ACRES  |
|-------|--------------|-------------|------------|--------|
| LOT 1 | 3,135        | 1,140       | 513        | 11.169 |
| LOT 2 | 1,501        | 515         | 405        | 2.671  |
| LOT 3 | 2,785        | 1,098       | 300        | 1.511  |
| ROW   | 3 106        | 1 453       | 70         | 2.335  |

OWNERS
PFLUGERVILLE COMMUNITY
DEVELOPMENT CORPORATION
3801 HELIOS WAY, SUITE 130 PFLUGERVILLE, TX 78660

ELECTRIC ONCOR JIM KRUMNOW 350 TEXAS AVE ROUND ROCK, TX 78664

512-244-5692 GAS ATMOS MIDTX

DAVID ROSEMA 3110 N I-35 ROUND ROCK, TX 78681 817-307-6069

WATER CITY OF PFLUGERVILLE 15500 SUN LIGHT NEAR WAY, #B PFLUGERVILLE, TX 78660 512-990-6400

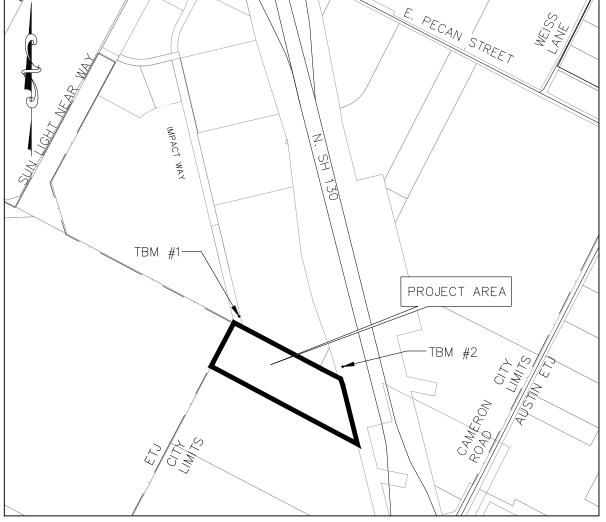
WASTEWATER CITY OF PFLUGERVILLE 15500 SUN LIGHT NEAR WAY, #B PFLUGERVILLE, TX 78660 512-990-6400

SURVEYOR WATERLOO SURVEYORS P.O. BOX 160176 AUSTIN, TX 78716-0176 512-481-9602

NOTE: ROADWAY IMPACT FEE WILL BE COLLECTED AT THE TIME OF PERMITTING IN ACCORDANCE WITH CHAPTER 152 OF THE CITY OF PFLUGERVILLE SUBDIVISION ORDINANCE

### DATE DESCRIPTION ROJECT MANAGER: ESIGNED BY HECKED BY RAWN BY

# PRELIMINARY PLAN ONLY - NOT FOR RECORDATION



**JULY 2024** 

SCALE 1": 500'

### DRAWING INDEX

SERIES 000 - GENERAL

00G-01 COVER SHEET

SERIES 100 - PRELIMINARY PLAN

01C-01 PRELIMINARY PLAN
01C-02 EXISTING CONDITIONS, PROPOSED GRADING PLAN, AND DEMOLITION PLAN
01C-03 WATER & WASTEWATER UTILITY PLAN
01C-04 EXISTING OVERALL DRAINAGE AREA MAP AND CALCULATIONS
01C-05 STORM SEWER CALCULATIONS
01C-06 PROPOSED OVERALL DRAINAGE AREA MAP AND CALCULATIONS
01C-07 PROPOSED SUB-DRAINAGE AREA MAP AND CALCULATIONS

01C-08 PRELIMINARY ILLUMINATION PLAN

THESE PLANS ARE IN ACCORDANCE WITH THE FOLLOWING STUDIES/REPORTS:

ENGINEERING AND DRAINAGE REPORT DCS ENGINEERING, LLC FEBRUARY 2024

- THIS PLAN LIES WITHIN THE CITY OF PFLUGERVILLE FULL PURPOSE JURISDICTION
- WATER AND WASTEWATER SHALL BE PROVIDED BY CITY OF PFLUGERVILLE. NO LOT IN THIS SUBDIVISION SHALL BE OCCUPIED UNTIL CONNECTED TO WATER AND WASTEWATER FACILITIES.
- BE OCCUPIED UNTIL CONNECTED TO WATER AND WASTEWATER FACILITIES.

  A 10-FT PUBLIC UTILITY EASEMENT (P.U.E.) SHALL BE DEDICATED ALONG ALL STREET FRONTAGE(S).

  EASEMENT(S) DEDICATED TO THE PUBLIC BY THIS PLAN SHALL ALSO BE SUBJECT TO THE TERMS AND CONDITIONS OF THE ENGINEERING DESIGN MANUAL, AS AMENDED. THE GRANTOR [PROPERTY OWNER(S)], HEIRS, SUCCESSORS AND ASSIGNS SHALL RETAIN THE OBLIGATION TO MAINTAIN THE SURFACE OF THE EASEMENT PROPERTY, INCLUDING THE OBLIGATION TO REGULARLY MOW OR CUT BACK VEGETATION AND TO KEEP THE SURFACE OF THE EASEMENT PROPERTY FREE OF LITTER, DEBRIS, AND TRASH.

  NO IMPROVEMENTS INCLUDING BUT NOT LIMITED TO STRUCTURES, FENCES, OR LANDSCAPING SHALL BE ALLOWED IN A PUBLIC EASEMENT, EXCEPT AS APPROVED BY THE CITY.

  THE PROPERTY OWNER SHALL PROVIDE ACCESS TO DRAINAGE AND UTILITY EASEMENTS AS MAY BE NECESSARY AND SHALL NOT PROHIBIT ACCESS FOR THE PLACEMENT, CONSTRUCTION, INSTALLATION, REPLACEMENT, REPAIR, MAINTENANCE, RELOCATION, REMOVAL, OPERATION AND INSPECTION OF SUCH DRAINAGE AND UTILITY FACILITIES, AND RELATED APPURTENANCES.
- AND RELATED APPURTENANCES.

- AND RELATED APPURTENANCES.

  7. A SIX (6) FOOT WIDE SIDEWALK SHALL BE PROVIDED ON BOTH SIDES OF THE STREET.

  8. STREETLIGHTS SHALL BE INSTALLED AND IN FULL WORKING ORDER WITH THE PUBLIC IMPROVEMENTS. ALL STREETLIGHTS SHALL BE IN CONFORMANCE WITH ALL CITY OF PFLUGERVILLE ORDINANCES INCLUDING BUT NOT LIMITED TO BEING DOWNCAST AND FULL CUT OFF TYPE.

  9. THIS SUBDIVISION IS SUBJECT TO ALL CITY OF PFLUGERVILLE ORDINANCES OR TECHNICAL MANUALS RELATED TO TREE PRESERVATION PER CITY ORDINANCE # 1203-15-02-24 AND CITY RESOLUTION # 1224-09-08-25-8A.

  10. WHERE APPLICABLE, THE PUBLIC PARKLAND DEDICATION AND PARK DEVELOPMENT FEE SHALL BE CALCULATED A RATE REQUIRED BY CITY ORDINANCE #1203-15-02-24.

  11. THE COMMUNITY IMPACT FEE RATE FOR WATER AND WASTEWATER WILL BE ASSESSED AT THE TIME OF FINAL PLAT.

- P.LAI.

  12. ON—SITE STORM WATER FACILITIES SHALL BE PROVIDED TO MITIGATE POST—DEVELOPMENT PEAK RUNOFF RATES
  FOR THE 2 YEAR, 25 YEAR AND 100 YEAR STORM EVENTS.

  13. ALL ELECTRIC UTILITY INFRASTRUCTURE INCLUDING BUT NOT LIMITED TO TELEPHONE, CABLE TELEVISION, ELECTR
  UTILITY LATERAL AND SERVICE LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF PFLUGERVILLE
  ENGINEERING DESIGN MANUAL.
- 14. THE OWNER OF THIS SUBDIVISION, AND HIS OR HER SUCCESSORS AND ASSIGNS, ASSUMES RESPONSIBILITY FOR PLANS FOR CONSTRUCTION OF SUBDIVISION IMPROVEMENTS WHICH COMPLY WITH APPLICABLE CODES AND REQUIREMENTS OF THE CITY OF PELUGERVILLEY.
- 15. CONSTRUCTION PLANS AND SPECIFICATIONS FOR ALL SUBDIVISION IMPROVEMENTS SHALL BE REVIEWED AND APPROVED BY THE CITY OF PFLUGERVILLE PRIOR TO ANY CONSTRUCTION WITHIN THE SUBDIVISION.

  16. SITE DEVELOPMENT CONSTRUCTION PLANS SHALL BE REVIEWED AND APPROVED BY THE CITY OF PFLUGERVILLE PRIOR TO ANY CONSTRUCTION.
- PRIOR TO ANY CONSTRUCTION.

  17. NO PORTION OF THIS TRACT IS WITHIN A FLOOD HAZARD AREA AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL # 48453C0290J FOR <u>IRANIS</u> COUNTY, EFFECTIVE <u>AUGUST 18</u>, 2014.

  18. ALL PROPOSED FENCES AND WALLS ADJACENT TO INTERSECTING PUBLIC ROADWAY RIGHT—OF—WAY OR ADJACEN' TO PRIVATE ACCESS DRIVES SHALL BE IN COMPLIANCE WITH THE SIGHT DISTANCE REQUIREMENTS OF THE CITY OF PFLUGERVILLE ENGINEERING DESIGN MANUAL, AS AMENDED.
- 19. WASTEWATER AND WATER SYSTEMS SHALL CONFORM TO TOEQ (TEXAS COMMISSION ON ENVIRONMENTAL QUALITY' AND STATE BOARD OF INSURANCE REQUIREMENTS. THE OWNER UNDERSTANDS AND ACKNOWLEDGES THAT PLAT 'VACATION OR RE-PLATTING MAY BE REQUIRED AT THE OWNER'S SOLE EXPENSE IF PLANS TO DEVELOP THIS SUBDIVISION DO NOT COMPLY WITH SUCH CODES AND REQUIREMENTS.

NOTES:
TBM #1 (SURFACE COORDINATES)
SET TRANGLE ON SIDEWALK
ELEV=621.98', N=10124702.15, E=3161454.391 TBM #2 (SURFACE COORDINATES)

FOUND SQUARE ON HEADWALL ELEV=607.32', N=10124178.88, E=3162534.229

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF PFLUGERVILLE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE ADEQUACY OF THE WORK OF THE DESIGNATION OF THE MUST RELY ON THE MUST RELY

| HTY | Y APPROVED REVISION & CORRECTIONS |  |                              |                                     |                  |  |  |  |  |  |  |  |  |  |
|-----|-----------------------------------|--|------------------------------|-------------------------------------|------------------|--|--|--|--|--|--|--|--|--|
| 0.  | DESCRIPTION                       |  | DESIGN<br>ENGINEER SIGNATURE | CITY OF<br>PFLUGERVILLE<br>APPROVAL | APPROVAL<br>DATE |  |  |  |  |  |  |  |  |  |
|     |                                   |  |                              |                                     |                  |  |  |  |  |  |  |  |  |  |
|     |                                   |  |                              |                                     |                  |  |  |  |  |  |  |  |  |  |
|     |                                   |  |                              |                                     |                  |  |  |  |  |  |  |  |  |  |
|     |                                   |  |                              |                                     |                  |  |  |  |  |  |  |  |  |  |
|     |                                   |  |                              |                                     |                  |  |  |  |  |  |  |  |  |  |



7/24/2024

143332

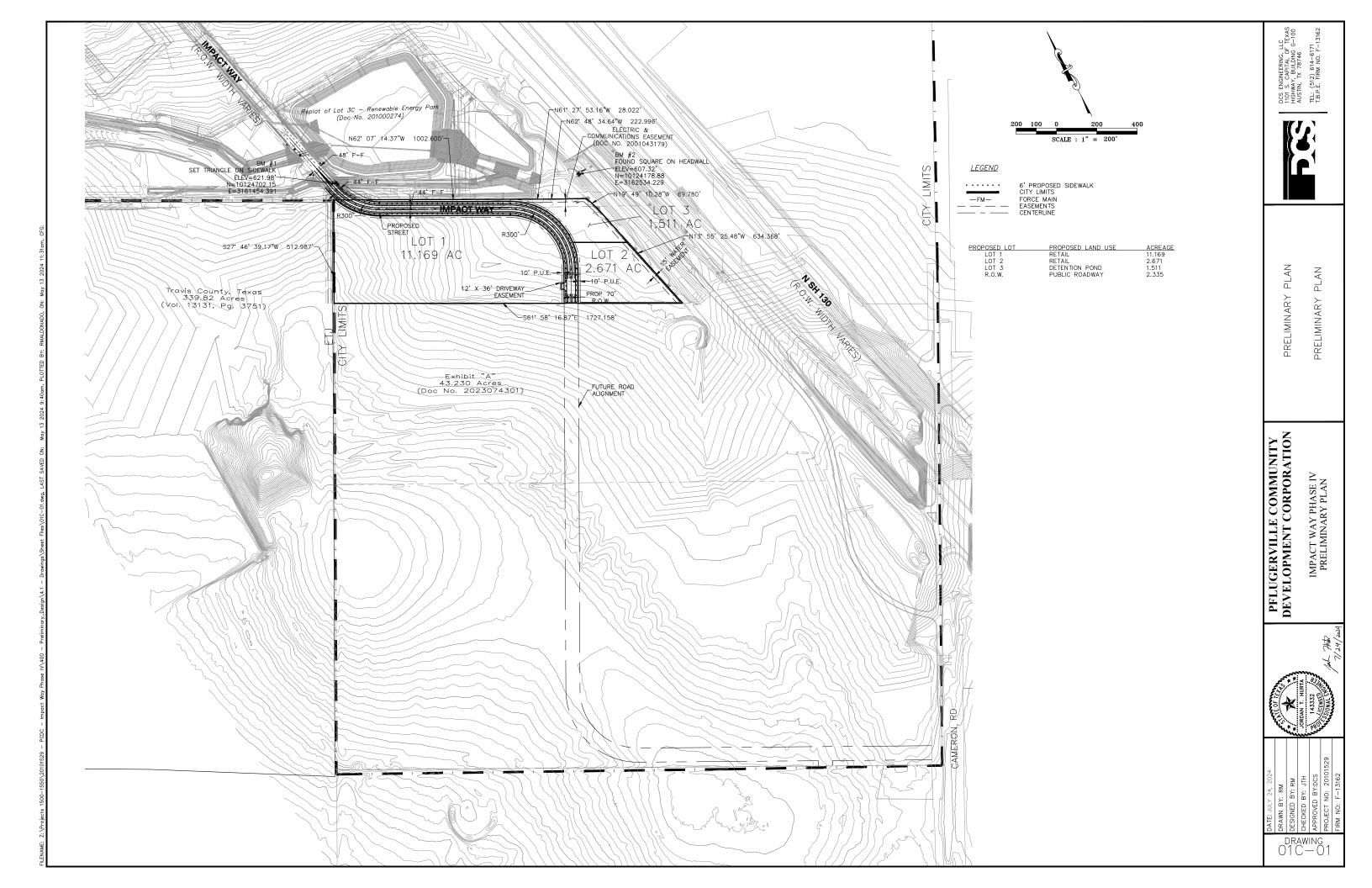
RM

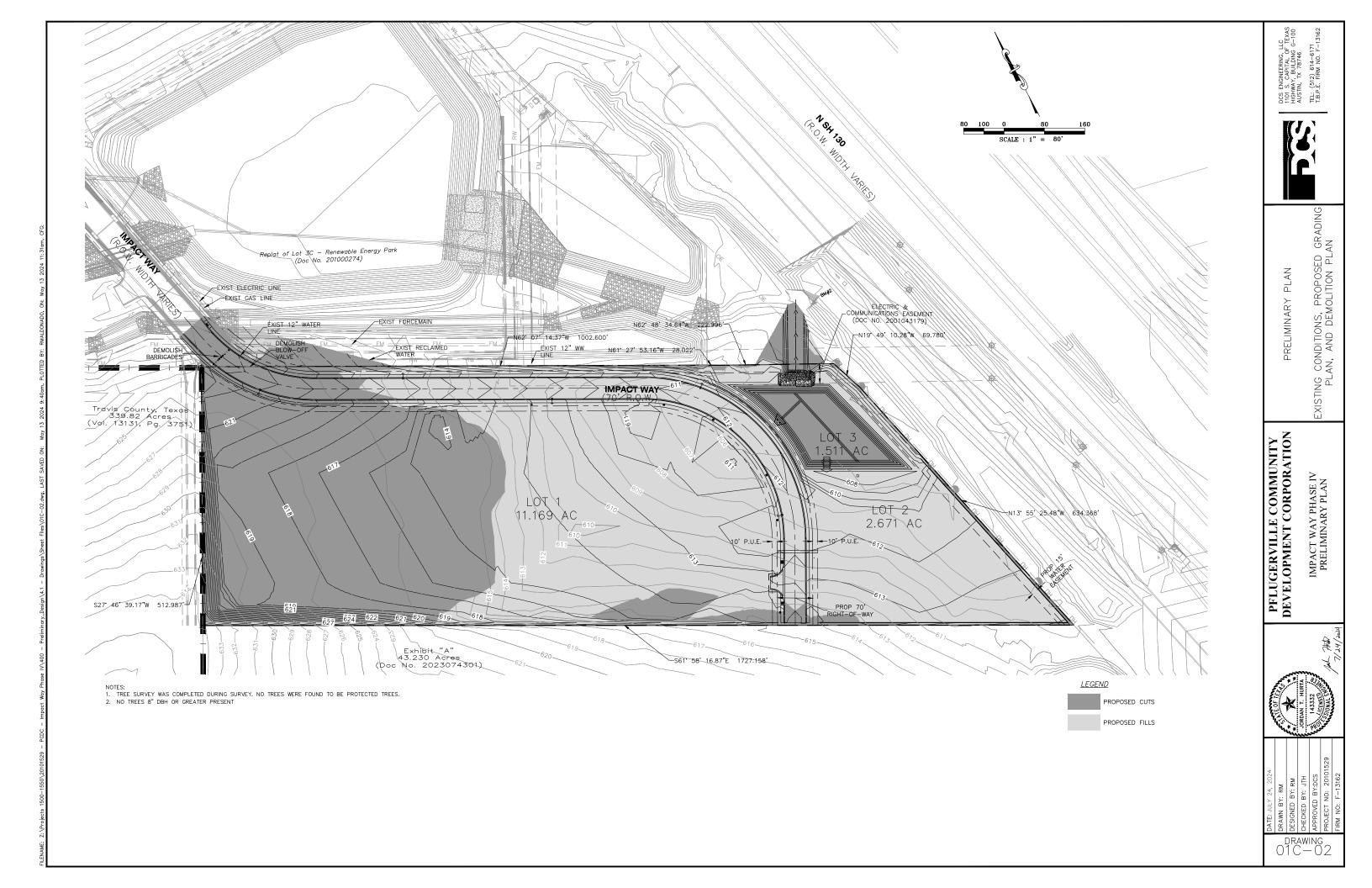
JTH

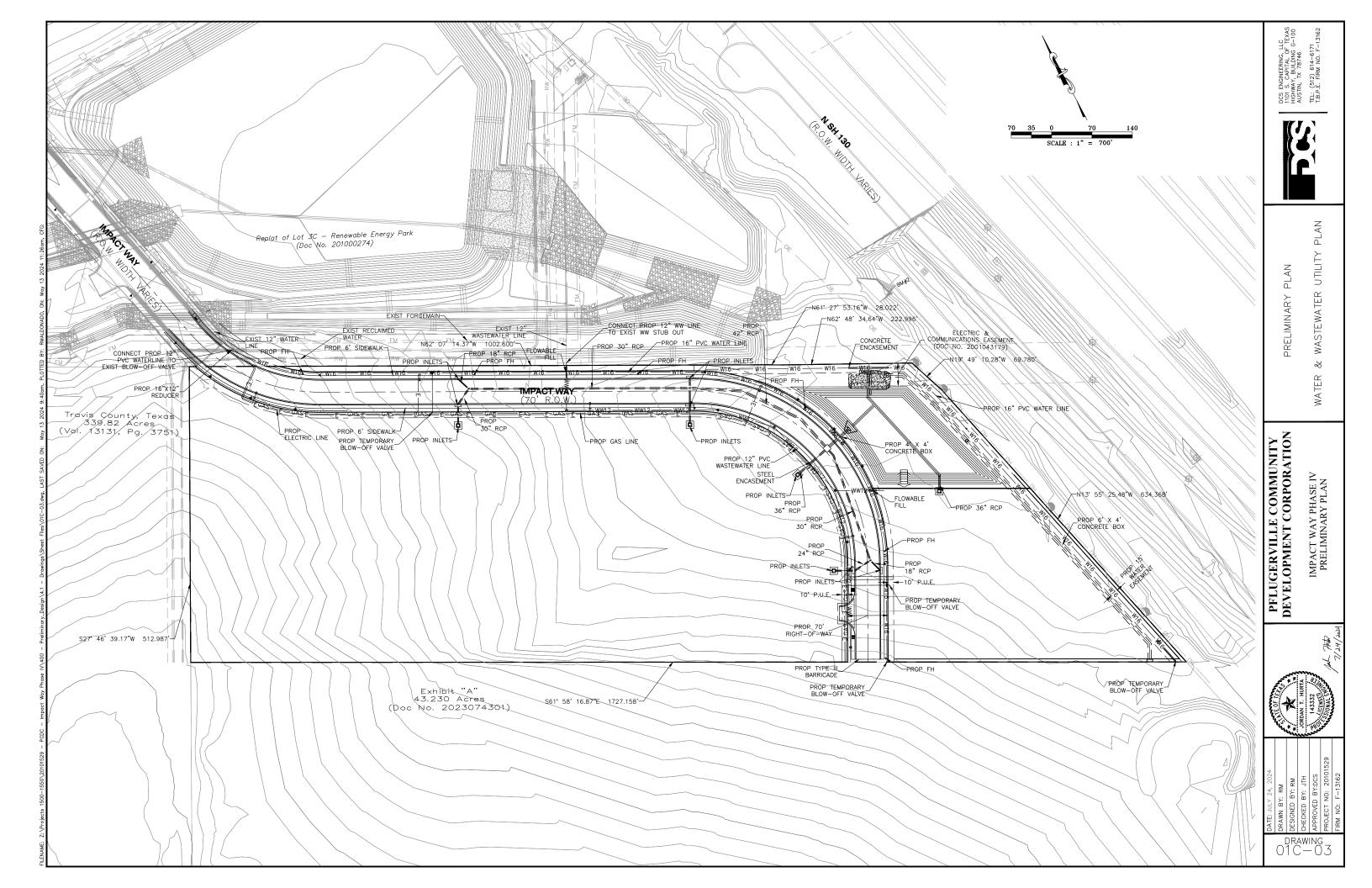
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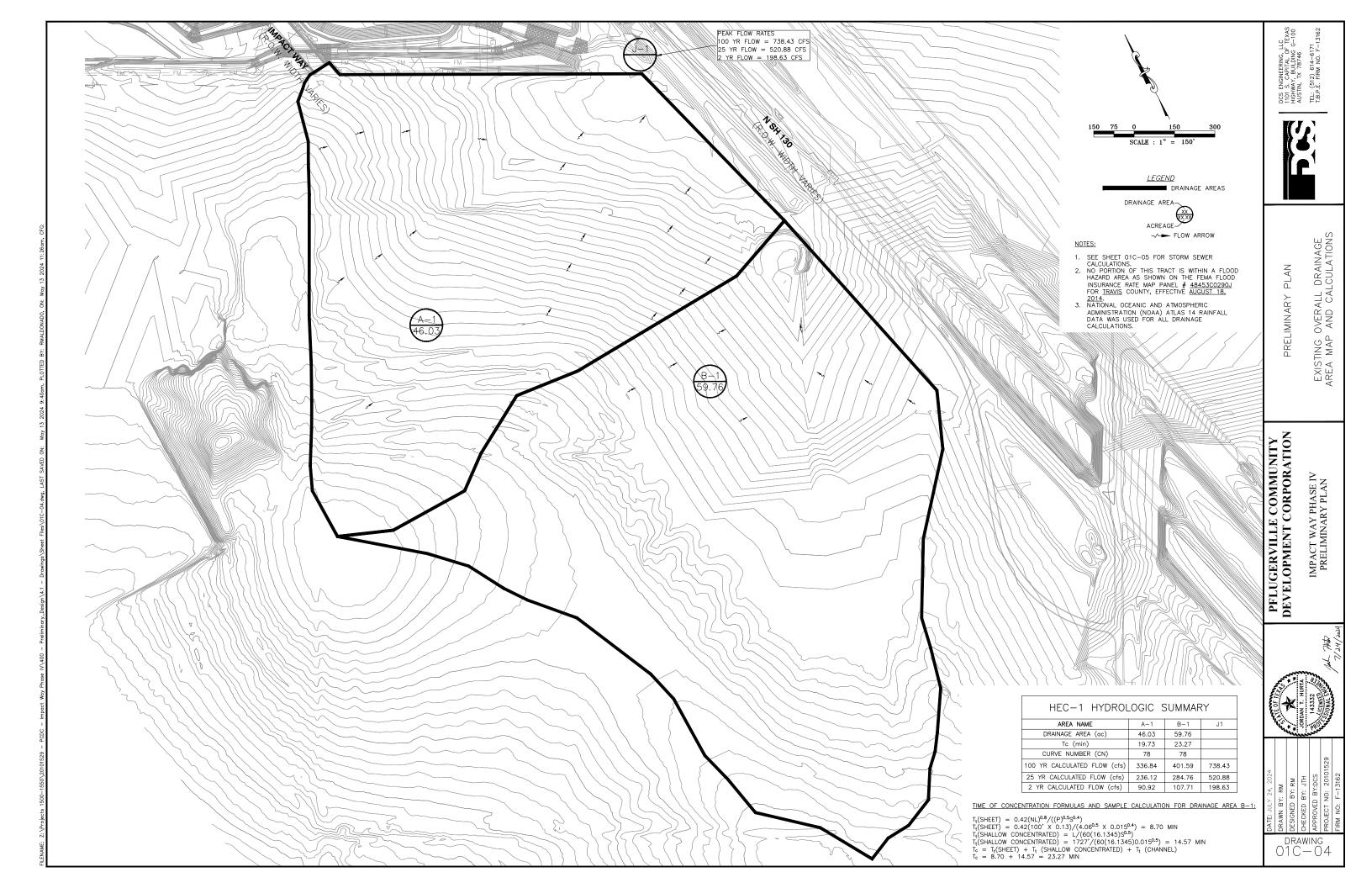
DCS PROJECT NO:

1101 S. Capital of Texas Highway Building G-100 Austin, Texas 78746 Phone (512) 614-6171 T.B.P.E. FIRM NO. F-13162









| PFL            | DEV  |                 |            |            |          |
|----------------|------|-----------------|------------|------------|----------|
|                |      |                 |            | 外外         | Mac/44/7 |
| SANE OF TERSON | ×    | JORDAN T. HURTA | 0 143332 A | SSIONALENS |          |
| $\top$         | 2000 | w               | لحفق       |            |          |

DRAWING 01C-05

| 100-yr inte        | ensity = a/(t+b) <sup>c</sup> |
|--------------------|-------------------------------|
| a <sub>100</sub> = | 78.75                         |
| b <sub>100</sub> = | 7.05                          |
| c <sub>100</sub> = | 0.6691                        |

|          |               |            |         |            |            |        |             |         | Trunk Line Design |        |            |         |           |           |          |              |              |               |               |              |              |
|----------|---------------|------------|---------|------------|------------|--------|-------------|---------|-------------------|--------|------------|---------|-----------|-----------|----------|--------------|--------------|---------------|---------------|--------------|--------------|
|          |               |            |         |            |            |        |             |         |                   |        |            |         |           |           |          |              |              |               |               |              | Top of       |
|          |               |            |         |            |            |        |             |         |                   |        |            |         | Full Flow | Full Flow | Actual   | Junction/    | Hydraulic    |               |               |              | MH/Inlet     |
| Drainage |               |            | Area    | Total Area | Time Conc. | Runoff | Intensity   |         | Manning           | Length | Pipe Diam. | Grade   | Velocity  | Capacity  | Velocity | MH loss      | Grade Line   | Upstream      | Downstream    | Pipe Crown   | Elevation    |
| Area     | Inlet/MH From | Inlet/MHTo | (acres) | (acres)    | (min)      | "C"    | "I" (in/hr) | Q (cfs) | "n"               | (ft)   | (in)       | (ft/ft) | (fps)     | (cfs)     | (out)    | (start) (ft) | (start) (ft) | Flowline (ft) | Flowline (ft) | (start) (ft) | (start) (ft) |
| A-1      | CI-1          | MH-2       | 0.34    | 0.34       | 5          | 0.96   | 14.89       | 4.86    | 0.013             | 38     | 24         | 0.005   | 5.16      | 16.00     | 1.55     | 0.01         | 610.61       | 608.22        | 608.03        | 610.22       | 616.15       |
| A-2      | CI-2          | MH-2       | 0.32    | 0.66       | 5          | 0.96   | 14.89       | 4.57    | 0.013             | 30     | 18         | 0.005   | 4.12      | 7.43      | 2.07     | 0.01         | 610.58       | 608.68        | 608.53        | 610.18       | 616.15       |
|          | MH-2          | MH-1       |         | 0.66       |            |        |             | 9.44    | 0.013             | 384    | 30         | 0.005   | 5.91      | 29.00     | 1.68     | 0.04         | 610.53       | 607.53        | 605.61        | 610.03       | 616.53       |
| A-3      | CI-3          | MH-1       | 0.45    | 1.11       | 5          | 0.96   | 14.89       | 6.43    | 0.013             | 33     | 36         | 0.005   | 6.64      | 47.16     | 0.91     | 0            | 610.36       | 605.28        | 605.11        | 608.28       | 610.52       |
| A-4      | CI-4          | MH-1       | 0.47    | 1.58       | 5          | 0.96   | 14.89       | 6.72    | 0.013             | 23     | 24         | 0.005   | 5.16      | 16.00     | 2.41     | 0.02         | 610.35       | 606.73        | 606.61        | 608.73       | 610.52       |
|          | MH-1          | JB-1       |         | 1.58       |            |        |             | 22.59   | 0.013             | 265    | 42         | 0.006   | 8.19      | 78.66     | 1.91     | 0.04         | 610.3        | 604.61        | 602.99        | 608.11       | 611          |
| A-5      | CI-5          | MH-3       | 0.27    | 1.85       | 5          | 0.96   | 14.89       | 3.86    | 0.013             | 38     | 24         | 0.005   | 5.16      | 16        | 1.23     | 0            | 610.32       | 605.7         | 605.51        | 607.7        | 610.62       |
| A-6      | CI-6          | MH-3       | 0.28    | 2.13       | 5          | 0.96   | 14.89       | 4.00    | 0.013             | 30     | 18         | 0.008   | 4.12      | 7.43      | 2.19     | 0.01         | 610.33       | 606.26        | 606.01        | 607.76       | 610.62       |
|          | MH-3          | JB-1       |         | 2.13       |            |        |             | 7.86    | 0.013             | 204    | 30         | 0.005   | 5.91      | 29        | 1.54     | 0.03         | 610.28       | 605.01        | 603.99        | 607.51       | 611.14       |
| A-7      | STUB-1        | JB-1       | 10.99   | 13.12      | 11.63      | 0.89   | 11.11       | 108.63  | 0.013             | 33     | 36         | 0.005   | 6.64      | 47.16     | 11.94    | 0.44         | 609.31       | 602.66        | 602.49        | 605.66       | 610.17       |
|          | JB-1          | OF-1       |         | 13.12      |            |        |             | 139.08  | 0.013             | 52     | 4'X4'BOX   | 0.005   | 8.06      | 128.96    | 8.2      | 1.01         | 609.16       | 602.49        | 602.23        | 606.49       | 612.3        |

|          |               |            |         |            |            |        |             |         | Trunk Line Design |        |            |         |           |           |          |              |              |               |               |              |              |
|----------|---------------|------------|---------|------------|------------|--------|-------------|---------|-------------------|--------|------------|---------|-----------|-----------|----------|--------------|--------------|---------------|---------------|--------------|--------------|
|          |               |            |         |            |            |        |             |         |                   |        |            |         |           |           |          |              |              |               |               |              | Top of       |
|          |               |            |         |            |            |        |             |         |                   |        |            |         | Full Flow | Full Flow | Actual   | Junction/    | Hydraulic    |               |               |              | MH/Inlet     |
| Drainage |               |            | Area    | Total Area | Time Conc. | Runoff | Intensity   |         | Manning           | Length | Pipe Diam. | Grade   | Velocity  | Capacity  | Velocity | MH loss      | Grade Line   | Upstream      | Downstream    | Pipe Crown   | Elevation    |
| Area     | Inlet/MH From | Inlet/MHTo | (acres) | (acres)    | (min)      | "C"    | "I" (in/hr) | Q (cfs) | "n"               | (ft)   | (in)       | (ft/ft) | (fps)     | (cfs)     | (out)    | (start) (ft) | (start) (ft) | Flowline (ft) | Flowline (ft) | (start) (ft) | (start) (ft) |
| A-8      | AI-1          | OF-2       | 4.38    | 4.38       | 7.34       | 0.89   | 13.22       | 51.55   | 0.013             | 34     | 36         | 0.005   | 6.64      | 47.16     | 6.50     | 0            | 608          | 603.01        | 602.84        | 606.01       | 610          |

|          |               |            |         |            |            |        |             |         | Trunk Line Design |        |            |         |           |           |          |              |              |               |               |              |              |     |
|----------|---------------|------------|---------|------------|------------|--------|-------------|---------|-------------------|--------|------------|---------|-----------|-----------|----------|--------------|--------------|---------------|---------------|--------------|--------------|-----|
|          |               |            |         |            |            |        |             |         |                   |        |            |         |           |           |          |              |              |               |               |              | Top of       |     |
|          |               |            |         |            |            |        |             |         |                   |        |            |         | Full Flow | Full Flow | Actual   | Junction/    | Hydraulic    |               |               |              | MH/Inlet     |     |
| Drainage |               |            | Area    | Total Area | Time Conc. | Runoff | Intensity   |         | Manning           | Length | Pipe Diam. | Grade   | Velocity  | Capacity  | Velocity | MH loss      | Grade Line   | Upstream      | Downstream    | Pipe Crown   | Elevation    |     |
| Area     | Inlet/MH From | Inlet/MHTo | (acres) | (acres)    | (min)      | "C"    | "I" (in/hr) | Q (cfs) | "n"               | (ft)   | (in)       | (ft/ft) | (fps)     | (cfs)     | (out)    | (start) (ft) | (start) (ft) | Flowline (ft) | Flowline (ft) | (start) (ft) | (start) (ft) |     |
| B-1      | DS-1          | OF-3       | 42.96   | 42.96      | 20.14      | 0.49   | 8.64        | 181.86  | 0.013             | 740    | 6'X4'BOX   | 0.002   | 7.43      | 178.49    | 7.67     | 0.18         | 609.65       | 603.5         | 602           | 609          | )            | 610 |

## NOTES:

- NOTES:

  1. CALCULATIONS HAVE BEEN DEVELOPED USING THE CITY OF AUSTIN DRAINAGE CRITERIA MANUAL. THE RATIONAL METHOD HAS BEEN USED TO CALCULATE FLOWS, AND MANNING EQUATION FOR PIPES FLOWING FULL HAS BEEN USED TO CALCULATE VELOCITIES.

  2. CIVILSTORM SOFTWARE HAS BEEN USED TO OBTAIN THE RESULTS SHOWN IN THE TABLE.

  3. THE "TIME OF CONCENTRATION" (TC) IS CALCULATED ASSUMING PER THE METHOD OUTLINED IN THE CITY OF AUSTIN CRITERIA MANUAL (DCM). THE MINIMUM TC IS 5 MINUTES. THE MANNING'S ROUGHNESS COEFFICIENTS USED IN THE TC CALCULATIONS ARE AS PROVIDED IN THE DCM.

  4. NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) ATLAS 14 RAINFALL DATA WAS USED FOR ALL DRAINAGE CALCULATIONS.

