



| System ID | DS Sta | US Sta | Length | Pipe Diameter | Area | Wetted Perimeter | Hydraulic Radius | Manning's n | DS Flowline | US Flowline | Slope | Drainage Areas | Runoff Coeff C | Area | CA | CA | CA | Tc | Rainfall Intensity | Q 100 | Q Capacity | Partial Flow | Velocity | Friction Slope | Friction Loss | Hv | K | Head Loss | HGL DS | HGL US | Top of Curb | |
|-----------|--------|--------|--------|---------------|------|------------------|------------------|-------------|-------------|-------------|-------|----------------|----------------|------|------|------|-------|------|--------------------|-------|------------|--------------|----------|----------------|---------------|------|------|-----------|--------|--------|-------------|--------|
| A | 121.03 | 121.03 | - | - | - | - | - | - | - | - | - | A,B,C,D,L | 0.90 | 2.21 | 1.98 | 1.98 | 10.00 | 9.80 | 19.42 | 19.42 | - | Yes | - | - | - | - | - | - | - | - | 488.78 | 500.20 |
| O | 50.00 | 121.03 | 71.03 | 24 | 3.14 | 6.28 | 0.5 | 0.013 | 482.45 | 484.23 | 0.025 | - | 0.90 | 0 | 0 | 1.98 | 10.00 | 9.80 | 19.42 | 35.87 | No | 6.18 | 0.0073 | 0.52 | 0.59 | 1.00 | 0.59 | 487.67 | 488.19 | - | | |
| A | 40.02 | 50.00 | 9.98 | 27 | 3.98 | 7.07 | 0.5625 | 0.013 | 482.15 | 482.2 | 0.005 | - | 0.90 | 0 | 0 | 1.98 | 10.00 | 9.80 | 19.42 | 21.96 | No | 4.88 | 0.0039 | 0.04 | 0.37 | 0.21 | 0.08 | 487.55 | 487.59 | - | | |
| A | 10.00 | 40.02 | 30.02 | 27 | 3.98 | 7.07 | 0.5625 | 0.013 | 482.15 | 482.15 | 0.005 | - | 0.90 | 0 | 0 | 1.98 | 10.00 | 9.80 | 19.42 | 21.96 | No | 4.88 | 0.0039 | 0.12 | 0.37 | 0.14 | 0.48 | 487.3 | 487.42 | - | | |

| System ID | DS Sta | US Sta | Length | Pipe Diameter | Area | Wetted Perimeter | Hydraulic Radius | Manning's n | DS Flowline | US Flowline | Slope | Drainage Areas | Runoff Coeff C | Area | CA | CA | CA | Tc | Rainfall Intensity | Q 100 | Q Capacity | Partial Flow | Velocity | Friction Slope | Friction Loss | Hv | K | Head Loss | HGL DS | HGL US | Top of Curb |
|-----------|--------|--------|--------|---------------|------|------------------|------------------|-------------|-------------|-------------|-------|----------------|----------------|------|------|------|-------|------|--------------------|-------|------------|--------------|----------|----------------|---------------|-----|------|-----------|--------|--------|-------------|
| B | 56.67 | 56.67 | 0 | 18 | - | - | - | - | - | - | - | E,F,G,H,O | 0.90 | 0.96 | 0.87 | 0.87 | 10.00 | 9.80 | 8.50 | 8.50 | - | Yes | - | - | - | - | - | - | - | 500.04 | - |
| B | 13.01 | 56.67 | 43.66 | 18 | 1.77 | 4.71 | 0.375 | 0.013 | 496 | 496.2 | 0.005 | - | 0.90 | 0 | 0 | 0.87 | 10.00 | 9.80 | 8.50 | 7.45 | No | 4.81 | 0.0065 | 0.28 | 0.36 | 0.5 | 0.18 | 499.58 | 499.86 | - | |

| System ID | DS Sta | US Sta | Length | Pipe Diameter | Area | Wetted Perimeter | Hydraulic Radius | Manning's n | DS Flowline | US Flowline | Slope | Drainage Areas | Runoff Coeff C | Area | CA | CA | CA | Tc | Rainfall Intensity | Q 100 | Q Capacity | Partial Flow | Velocity | Friction Slope | Friction Loss | Hv | K | Head Loss | HGL DS | HGL US | Top of Curb |
|-----------|--------|--------|--------|---------------|------|------------------|------------------|-------------|-------------|-------------|-------|----------------|----------------|------|------|------|-------|------|--------------------|-------|------------|--------------|----------|----------------|---------------|------|------|-----------|--------|--------|-------------|
| RD-2 | 0 | 33.53 | 33.53 | 18 | 1.77 | 4.71 | 0.38 | 0.013 | 496.76 | 497.10 | 0.01 | E, F, & O | 0.90 | 0.29 | 0.26 | 0.26 | 10.00 | 9.80 | 2.56 | 10.50 | Yes | 1.45 | 0.01 | 0.22 | 0.36 | 0.50 | 0.18 | 504.36 | 504.58 | - | |

This Record Drawing is a combination of the sealed engineering contract drawings for this project, modified by revision, change order, field order and information furnished by the contractor. The information shown on the Record Drawings is believed to be accurate based on information furnished by the contractor. The original sealed drawings are on file at the office of:
 Cross Engineering Consultants
 1720 W. Virginia Street
 McKinney, Texas 75069
 (972) 562-4409
 Record Drawings Prepared On:
 12/22/2023



Issued for Construction: 04-19-2021

(@ least 72 hours prior to digging)

| Issue Dates: | Revisions: | Date: |
|---------------|------------|------------|
| 5 11/30/2020 | 1 | 05/17/2021 |
| 6 12/23/2020 | 2 | 01/28/2022 |
| 7 01/22/2021 | 3 | 02/25/2022 |
| 8 01/29/2021 | 4 | 10/31/2023 |
| 9 04/19/2021 | 5 | |
| 10 12/22/2023 | 6 | |

| | | |
|---|-------------|---|
| CROSS ENGINEERING CONSULTANTS | | |
| 1720 W. Virginia Street 972.562.4409 | | McKinney, Texas 75069 Texas P.E. Firm No. F-5935 |
| Drawn By: | Checked By: | Scale: |
| C.E.C.I. | C.E.C.I. | 1/4"=40' V:1"=4' |

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STORM SEWER PROFILES
HARBOR HILL RESIDENCES
 SUMMER LEE DRIVE
 ROCKWALL, TEXAS

Sheet No.
C4.2
 Project No.
 18090

HARBOR HILL RESIDENCES - ROCKWALL