FIGURE 3
DW1 - BASIN D
(NORTH) INFLOW STRUCTURE

PROPOSED CONDITIONS

HCFCD PROJECT NO. E500-21-00-E002
USACE PROJECT NO. SWG-2017-00335

10340 Park Ten Place
Suite 300
Houston, Texas 77084
(713) 481-9000
TENNS NEW YORKER NO. 3-487
PLOT: 12/12/2019

LEGEND

ROW = RIGHT-OF-WAY
OHWM = ORDINARY HIGH WATER MARK
TOB = TOP OF BANK
TOS = TOE OF SLOPE
RESIDENTIAL LOTS
EXISTING GRADE
STREAM CENTER LINE
OHWM LIMITS
FILL AREA UNDER OHWM
PROP. BURIED 18" RIPRAP
PROP. 5" CONCRETE

Basin Inflow Structure North

Fill Volumes

Material Volume (cubic yards)
Concrete  
Riprap 18" 184
Concrete 5" 55
Total Volume 339

engineers
r.g.miller

source: M:\3851 INWOOD FOREST STORMWATER DETENTION BASINS\3851.030 FINAL DESIGN\CAD\EXHIBITS\USACE-EXIST CHANNEL & OUTFALL PROFILES.DWG
HCFCD 8.5X11.CTB

PLOTTED: 12/12/2019
**FIGURE 4**

DW2 - BASIN D (SOUTH) INFLOW STRUCTURE

**PROPOSED CONDITIONS**

HCFCD PROJECT NO.: E500-21-00-E002
USACE PROJECT NO.: SWG-2017-00335

e.g. miller

10340 Park Ten Place
Suite 320
Houston, Texas 77084
(713) 481-9800
TENNS CNR PERMIT NO. E-467
DATE: 12/12/2019

**Fill Volumes**

<table>
<thead>
<tr>
<th>Material</th>
<th>Volume (cubic yards)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E100-00-00</td>
<td></td>
</tr>
<tr>
<td>Existing Grd</td>
<td></td>
</tr>
<tr>
<td>Concrete</td>
<td>0.5</td>
</tr>
<tr>
<td>Total</td>
<td>0.5</td>
</tr>
</tbody>
</table>

**Legend**

- **ROW** = RIGHT-OF-WAY
- **OHWM** = ORDINARY HIGH WATER MARK
- **TOB** = TOP OF BANK
- **TOS** = TOE OF SLOPE
- **RESIDENTIAL LOTS**
- **EXISTING GRADE**
- **STREAM CENTER LINE**
- **OHWM LIMITS**
- **FILL AREA UNDER OHWM**
- **PROP BURIED 18" RIPRAP**
- **PROP 5" CONCRETE**

**Basin D INFLOW Structure (S)**

<table>
<thead>
<tr>
<th>Point</th>
<th>Lat.</th>
<th>Long.</th>
</tr>
</thead>
<tbody>
<tr>
<td>DW2</td>
<td>N29.87249</td>
<td>W95.47525</td>
</tr>
</tbody>
</table>

**Area of Impact**

8,754 SQ FT

**Area of Impact**

8,754 SQ FT

**Scale in Feet**

0 50 100

**Note:**

- **M:** 3851 INWOOD FOREST STORMWATER DETENTION BASINS
- **3851.030 FINAL DESIGN**
- **CAD**
- **EXHIBITS**
- **USACE - EXIST CHANNEL & OUTFALL PROFILES.DWG**
- **HCFCD 8.5X11.CTB**
- **PLOTTED:**
  - 12/12/2019
FIGURE 6
II1 - BASIN I
(NORTH - INFLOW STRUCTURE)

PROPOSED CONDITIONS

HCFCD PROJECT NO.: E500-21-00-E002
USACE PROJECT NO.: SWG-2017-00335

HCFCD 8.5X11.CTB
PLOTTED: 12/12/2019
BASIN I TYPICAL SECTION A-A
N.T.S.

LEGEND

TOB = TOP OF BANK
OHWM = ORDINARY HIGH WATER MARK

EXISTING GROUND
PROPOSED GROUND
FIGURE 10
BASIN I
TYPICAL SECTIONS

LEGEND

TOB  =  TOP OF BANK
OHWM = ORDINARY HIGH WATER MARK

EXISTING GROUND
PROPOSED GROUND

HCFCD PROJECT NO.: E500-21-00-E002
USACE PROJECT NO.: SWG-2017-00335

engineers
r.g.miller

10340 Park Ten Place
Suite 300
Houston, Texas 77084

(713) 481-0800

TEXAS PROFESSIONAL ENGINEER No. 1-467

DATE: 12/12/2019
### Basin L Outfall Structure

<table>
<thead>
<tr>
<th>Material</th>
<th>Volume (cubic yards)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean Dirt</td>
<td>0</td>
</tr>
<tr>
<td>Concrete</td>
<td>0</td>
</tr>
<tr>
<td>Concrete Rip-Rap</td>
<td>256</td>
</tr>
<tr>
<td><strong>Total Volume</strong></td>
<td><strong>256</strong></td>
</tr>
</tbody>
</table>

**Legend**
- **ROW** = RIGHT-OF-WAY
- **OHWM** = ORDINARY HIGH WATER MARK
- **TOB** = TOP OF BANK
- **TOS** = TOE OF SLOPE
- **RESIDENTIAL LOTS**
- **PROPOSED STORM SEWER OUTFALLS**
- **STREAM CENTER LINE**
- **OHWM LIMITS**
- **FILL AREA UNDER OHWM**
- **CUT AREA UNDER OHWM**
- **PROP. BURIED 18" RIPRAP**
- **WETLAND PLANTING**
- **EXISTING RIPRAP**

**FIGURE 12**

L01 - BASIN L

PROPOSED CONDITIONS

HCFCD PROJECT NO.: E500-21-00-E002
USACE PROJECT NO.: SWG-2017-00335

r.g. miller engineers
10340 Park Ten Place
Sugar SS
Houston, Texas 77084
(713) 461-9800
TEXAS PROFESSIONAL NO. 3-1475
DATE: 12/12/2019
FIGURE 13

BASIN L

TYPICAL SECTIONS

HCFCD PROJECT NO.: E500-21-00-E002
USACE PROJECT NO.: SWG-2017-00335

LEGEND

TOB = TOP OF BANK
OHWM = ORDINARY HIGH WATER MARK

EXISTING GROUND
PROPOSED GROUND

BASIN L TYPICAL SECTION A-A
N.T.S.
FIGURE 14
BASIN L
TYPICAL SECTIONS

LEGEND

TOB = TOP OF BANK
OHWM = ORDINARY HIGH WATER MARK

EXISTING GROUND
PROPOSED GROUND

BASIN L TYPICAL SECTION B-B
N.T.S.

TOB

VEGETATED SHELF WITH NATIVE
WETLAND PLANTING MIN. 10'

LAY BACK BANK

BANKFULL BENCH
VARIABLE WIDTH MIN. 10'

VARIABLE WIDTH PERENNIAL POOL

240'

35'

30'

305' ROW

OHWM

VEGETATED SHELF WITH NATIVE
WETLAND PLANTING MIN. 10'

LAY BACK BANK

BANKFULL BENCH
VARIABLE WIDTH MIN. 10'

HCFCD PROJECT NO.: E500-21-00-E002
USACE PROJECT NO.: SWG-2017-00335

10340 Park Ten Place
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Houston, Texas 77084
(713) 461-0800
TELEPHONE: (713) 461-9147
FAX: (713) 461-9147
DATED: 12/12/2019