

**MEMORANDUM**

**To:** Mayor and City Council

**From:** David Elliott

**Date:** July 10, 2017

**Subject:** **2222 Dartford Drive funding approval for Stormwater Repairs.**

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**ITEM DESCRIPTION**

Approval of Funding for Stormwater Pipe Repairs at 2222 Dartford Drive. Estimate for the culvert rehabilitation is \$60,854.20, which includes a 10% contingency.

**BACKGROUND**

Needed repairs were located after report of sinkhole and following inspections. The full repair will involve the rehabilitation of 240' of 36" corrugated metal pipe and 60' of 24" corrugated metal pipe.

This project will be funded with the 2017 Stormwater Maintenance Budget.

**RECOMMENDED ACTION**

Staff recommends approving \$60,854.20 in funding for Stormwater Culvert Repairs at 2222 Dartford Drive.

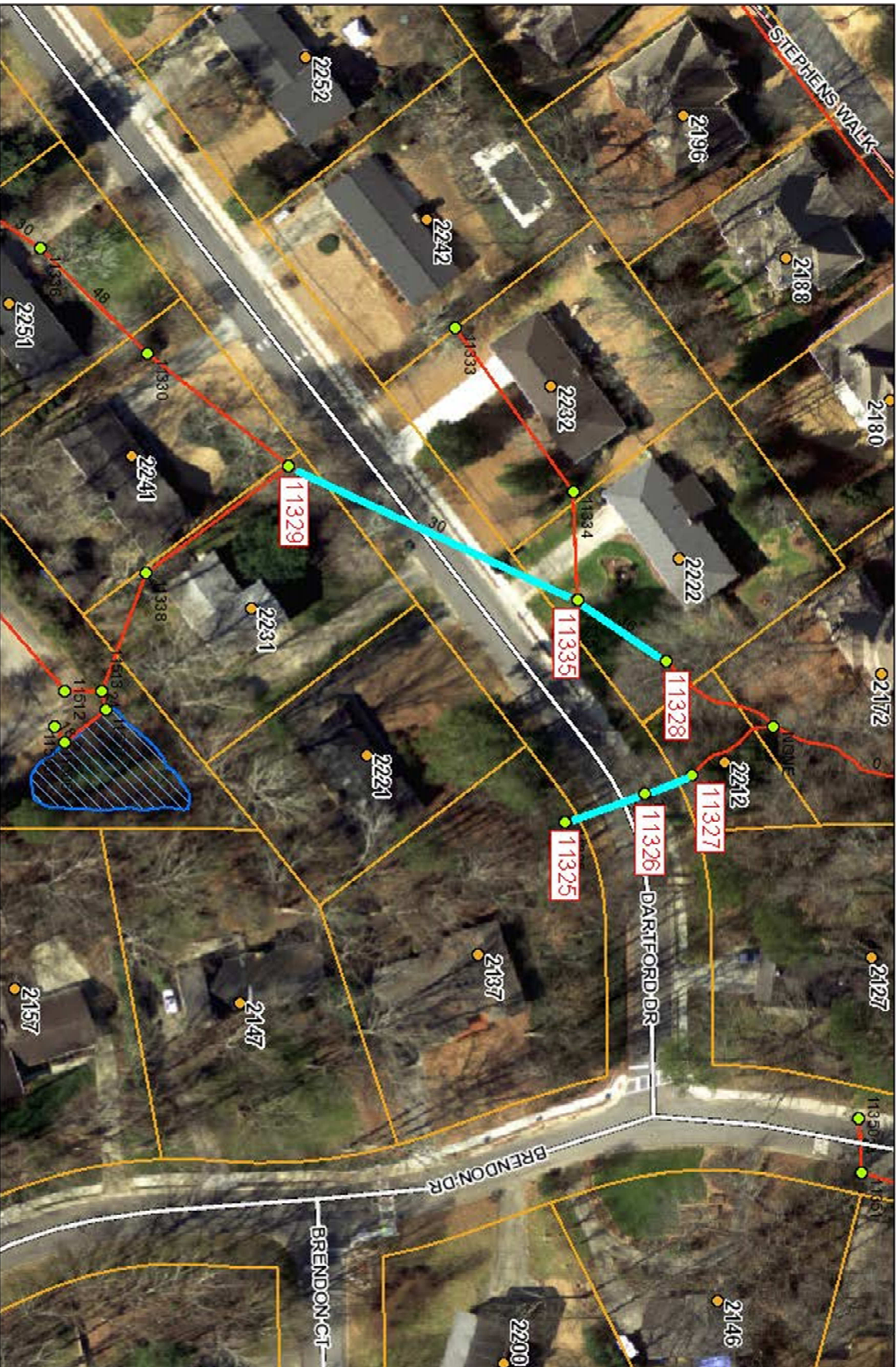
#10.



Deteriorated portions of 36" Corrugated Metal Pipe



## 2241 Dartford Dr - Sinkholes (Pole Camera)



The City of Dunwoody does not warrant the accuracy or currency of the map provided and does not guarantee the suitability of the map for any purpose, expressed or implied.



| <b>IPR Southeast LLC</b>  |  |
|---|--|
| <b>ESTIMATE FOR CITY OF DUNWOODY 2014 STANDBY STORMWATER SYSTEM REPAIR CONTRACT</b> |  |
| <b>PROJECT LOCATION:</b>  | <b>2222 Dartford Drive Atlanta, GA 30338</b> |
| <b>DATE ESTIMATE PREPARED:</b>  | <b>13-Jun-17</b>                             |
| <b>ESTIMATE PREPARED BY:</b>  | <b>Daniel Guse</b>                           |
| <b>ESTIMATE AMOUNT:</b>   | <b>\$55,322.00</b>                           |
| <b>10 % CONTINGENCY:</b>  | <b>\$5,532.20</b>                            |
| <b>ESTIMATE GRAND TOTAL:</b>  | <b>\$60,854.20</b>                           |

|                          |   |
|--------------------------|---|
| <b>Pre-Lining Work:</b>  |   |
|                          | Pre CCTV and Cleaning                                     |
|                          | Remove Concrete in Invert of Catch Basins 11335 and 11326 |
|                          | Remove Concrete in pipes - approximately 10 LF            |
|                          | Invert Repair as needed and shown in Pre CCTV             |
|                          | May need to remove junction box tops at 11329 and 11335   |
| <b>Lining Work:</b>      |   |
|                          | 60 LF x 24" x 10.5 mm CIPP                                |
|                          | 240 LF x 36" x 16.5 mm CIPP                               |
| <b>Post Lining Work:</b> |   |
|                          | Post CCTV   |
|                          | Seal ends of liner (8)                                    |
|                          | Invert Rebuild (4)  |
|                          | Replace and Seal JB tops if removed                       |
|                          | Seed and Straw, possibly sod                              |

| ITEM #                                     | Description                         | Quantity | Unit | Unit Price  | Total Costs |
|--|-------------------------------------|----------|------|-------------|-------------|
| <b>General Conditions</b>                  |                                     |          |      |             |             |
| 1  | Mobilization                        | 1.00     | EA   | \$ 1,600.00 | \$ 1,600.00 |
| 2  | Out of Scope Work, Foreman          | 2.00     | HR   | \$ 85.00    | \$ 170.00   |
| 3  | Out of Scope Work, Laborer          | 6.00     | HR   | \$ 70.00    | \$ 420.00   |
| <b>Traffic Control</b>                     |                                     |          |      |             |             |
| 5  | Traffic Control Minor               | 1.00     | DA   | \$ 1,000.00 | \$ 1,000.00 |
| <b>TV Inspection and Jet-Vac Cleaning</b>  |                                     |          |      |             |             |
| 7  | CCTV Storm (w/ DVD & Report)        | 300.00   | LF   | \$ 2.05     | \$ 615.00   |
| <b>Storm Cleaning (less than 25% full)</b> |                                     |          |      |             |             |
| 14   | 24" Pipe - Clean less than 25% full | 60.00    | LF   | \$ 5.25     | \$ 315.00   |
| 16   | 36" Pipe - Clean less than 25% full | 240.00   | LF   | \$ 6.55     | \$ 1,572.00 |
| <b>Flowable Paved Pipe Invert</b>          |                                     |          |      |             |             |



|     |   |        |    |    |        |    |                    |
|-----|---|--------|----|----|--------|----|--------------------|
| 125 | 36"   | 20.00  | LF | \$ | 40.00  | \$ | 800.00             |
|     | <b>Misc &amp; Special Structures/Components</b> |        |    |    |        |    |                    |
| 209 | Invert Installation, 4' Dia                     | 4.00   | EA | \$ | 255.00 | \$ | 1,020.00           |
| 214 | Uncover Buried JB (4'-7.9)                      | 2.00   | EA | \$ | 550.00 | \$ | 1,100.00           |
|     | <b>Grout Connection to Structure</b>            |        |    |    |        |    |                    |
| 221 | 24" Grout Each End to Structure                 | 4.00   | EA | \$ | 200.00 | \$ | 800.00             |
| 224 | 36" Grout Each End to Structure                 | 4.00   | EA | \$ | 225.00 | \$ | 900.00             |
|     | <b>Lining Requirements</b>                      |        |    |    |        |    |                    |
|     | <b>CIPP (12' or less in depth)</b>              |        |    |    |        |    |                    |
|     | <b>Includes Pre and Post TV during lining</b>   |        |    |    |        |    |                    |
| 236 | 24" - 10.0mm (.3937")                           | 60.00  | LF | \$ | 93.00  | \$ | 5,580.00           |
| 238 | 36" - 16.0mm (.6299")                           | 240.00 | LF | \$ | 145.00 | \$ | 34,800.00          |
| 253 | Add Thickness Per 1.5mm -24"                    | 60.00  | LF | \$ | 3.00   | \$ | 180.00             |
| 255 | Add Thickness Per 1.5mm -36"                    | 240.00 | LF | \$ | 5.00   | \$ | 1,200.00           |
|     | <b>Inversion Setup</b>                          |        |    |    |        |    |                    |
| 266 | Inversion Setup Charge 15-36" CIPP              | 3.00   | EA | \$ | 850.00 | \$ | 2,550.00           |
|     | <b>Erosion Control</b>                          |        |    |    |        |    |                    |
| 390 | Sodding Complete - Fescue                       | 40.00  | SY | \$ | 5.75   | \$ | 230.00             |
| 392 | Sodding Complete - Zoysia                       | 40.00  | SY | \$ | 8.00   | \$ | 320.00             |
| 394 | Topsoil Complete                                | 5.00   | CY | \$ | 30.00  | \$ | 150.00             |
|     | <b>TOTAL ESTIMATE</b>                           |        |    |    |        |    | \$55,322.00        |
|     | <b>10% CONTINGENCY</b>                          |        |    |    |        |    | \$5,532.20         |
|     | <b>GRAND TOTAL ESTIMATE</b>                     |        |    |    |        |    | <b>\$60,854.20</b> |