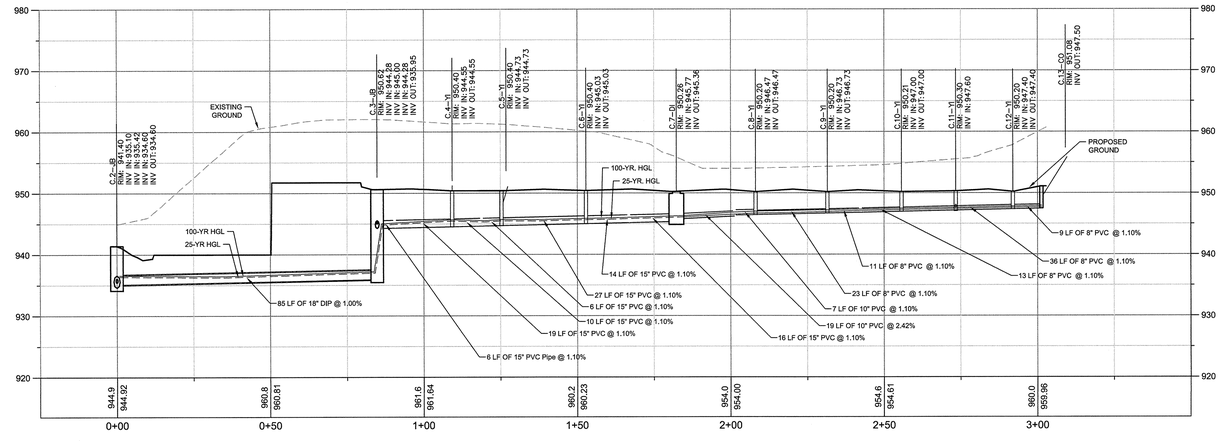
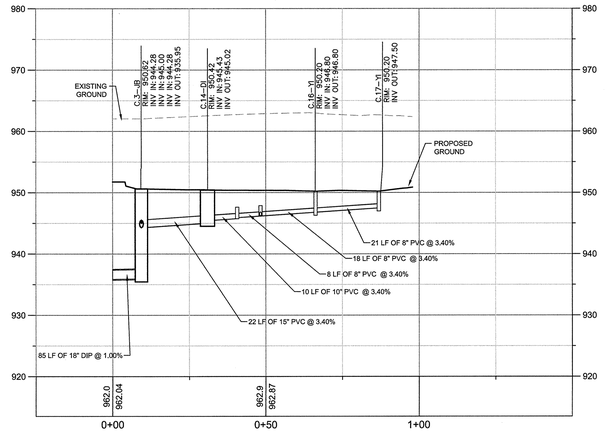



## PROFILE VIEW
LINE C: FROM STR. C.2-JB TO C.13-CO
1" = 20' HORZ.
1" = 10' VERT.

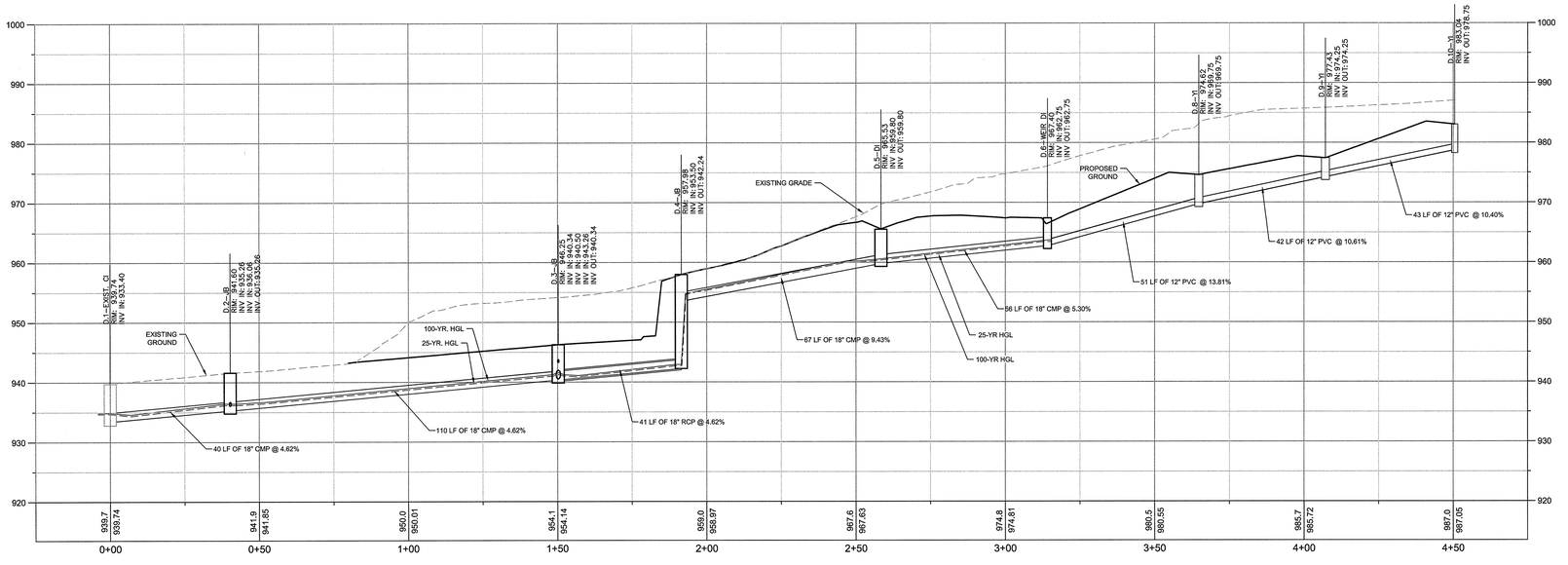



## PROFILE VIEW
LINE C: FROM STR. C.3-JB TO C.17-CO
1" = 20' HORZ.
1" = 10' VERT.

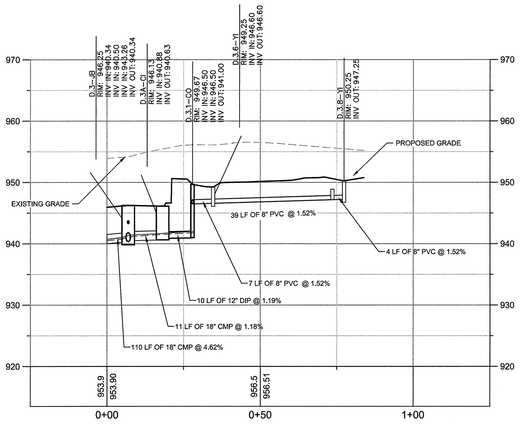
## STORM DRAINAGE PROFILE NOTES:

1. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO VERIFY EXISTING INVERT FOR STORM DRAINAGE SERVICES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
3. ALL STORM PIPE SHALL HAVE BEDDING PER BEDDING DETAILS IN CONSTRUCTION DETAIL SHEETS.
4. ALL STORM RCP PIPING TO BE CLASS III MINIMUM UNLESS OTHERWISE NOTED.
5. ALL STORM CMP PIPING TO BE ASPHALT COATED
6. ALL STORM CMP PIPES TO HAVE A MINIMUM 12 GAUGE BCCMP OR MINIMUM 14 GAUGE TYPE 2 ALUMINIZED CMP
7. ALL STORM PIPES TO MATCH COBB COUNTY STANDARDS. SEE SHT. C0-01 FOR COBB COUNTY NOTES
8. RIM ELEVATIONS GIVEN ARE APPROXIMATE. CONTRACTOR SHALL REFERENCE GRADING PLAN FOR STRUCTURE THROAT / RIM ELEVATIONS.
9. IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.
10. ALL STORM JOINTS TO BE WATER TIGHT.

CONTRACTOR TO INSTALL BEEHIVE AREA DRAINS IN LANDSCAPE AREAS AND FLUSH AREA DRAINS IN HARDSCAPE AND GRASSED AREAS **(STANDARD OUTSIDE COURTYARDS, SEE LANDSCAPE/HARDSCAPE DRAWINGS FOR COURTYARD DRAINS)**



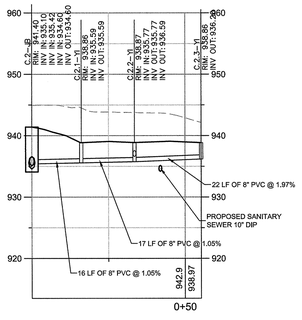

## PROFILE VIEW
LINE D: FROM STR. D.1-GI TO D.10-YI
1" = 20' HORZ.
1" = 10' VERT.



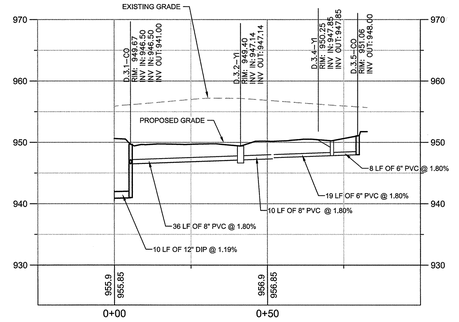

## PROFILE VIEW
LINE D: FROM STR. D.3-JB TO STR. D.3.8-AD
1" = 20' HORZ.
1" = 10' VERT.

## STORM DRAINAGE TABLE (25-YEAR STORM):

| Start Node | Invert Upstream (ft) | End Node | Invert Downstream (ft) | Line Length (ft) | Pipe Slope (%) | Pipe Material | Manning's n | PipeSize (in) | Upstream CA | System Intensity (in/hr) | TotalFlow (cfs) | Hydraulic Grade Line In (ft) | Hydraulic Grade Line Out (ft) | Velocity (ft/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A.2-JB | 967.86 | A.1-Ex. SWCB | 967.35 | 25.3 | 2.0 | RCP | 0.012 | 18 | 0.24 | 8.25 | 1.96 | 968.4 | 968.0 | 3.01 |
| D.2- JB | 935.57 | D.1-EXIST. CI | 933.40 | 44.7 | 4.9 | CMP | 0.024 | 18 | 0.65 | 7.13 | 4.61 | 936.4 | 934.9 | 3.62 |
| D.3- JB | 940.24 | D.2- JB | 935.57 | 96.1 | 4.9 | CMP | 0.024 | 18 | 0.54 | 7.29 | 3.95 | 941.0 | 936.4 | 4.18 |
| D.4- JB | 942.24 | D.3- JB | 940.24 | 41.2 | 4.9 | RCP | 0.012 | 15 | 0.20 | 7.41 | 1.48 | 942.7 | 941.0 | 2.65 |
| D.5- DI | 959.80 | D.4- JB | 953.50 | 66.8 | 9.4 | CMP | 0.024 | 15 | 0.12 | 7.77 | 0.96 | 960.2 | 953.8 | 4.20 |
| D.6-Weir DI | 962.75 | D.5- DI | 959.80 | 55.7 | 5.3 | CMP | 0.024 | 15 | 0.09 | 8.25 | 0.71 | 963.1 | 960.2 | 2.47 |
| D.3A- CI | 940.63 | D.3- JB | 940.50 | 11.4 | 1.1 | CMP | 0.024 | 15 | 0.32 | 8.23 | 2.66 | 941.4 | 941.3 | 3.23 |
| D.3.1- CO | 941.00 | D.3A- CI | 940.88 | 9.8 | 1.2 | PVC | 0.010 | 12 | 0.31 | 8.25 | 2.59 | 941.7 | 941.4 | 5.08 |
| B.2-DI | 955.53 | B.1-EXIST. SWCB | 955.26 | 27.0 | 1.0 | RCP | 0.012 | 18 | 0.39 | 7.91 | 3.08 | 956.8 | 956.8 | 1.86 |
| B.3- JB | 956.13 | B.2- DI | 955.53 | 60.0 | 1.0 | RCP | 0.012 | 18 | 0.19 | 8.25 | 1.57 | 956.6 | 956.8 | 2.14 |
| C.2- JB | 933.33 | C.1-EXIST. SWCB | 932.52 | 81.2 | 1.0 | RCP | 0.012 | 30 | 1.60 | 7.43 | 11.86 | 935.0 | 935.0 | 2.90 |
| C.3- JB | 935.75 | C.2- JB | 934.33 | 86.7 | 1.6 | PVC | 0.010 | 18 | 0.80 | 8.09 | 6.46 | 936.7 | 935.2 | 5.77 |
| C.4- YI | 945.14 | C.3- JB | 944.88 | 22.1 | 1.2 | CMP | 0.024 | 15 | 0.54 | 8.12 | 4.40 | 946.5 | 946.1 | 3.59 |
| C.5- YI | 945.58 | C.4- YI | 945.39 | 16.2 | 1.2 | CMP | 0.024 | 12 | 0.35 | 8.15 | 2.86 | 947.0 | 946.7 | 3.65 |
| C.6- DI | 946.26 | C.5- YI | 945.58 | 56.1 | 1.2 | CMP | 0.024 | 12 | 0.28 | 8.25 | 2.27 | 947.8 | 947.0 | 2.89 |
| C.14- DI | 945.53 | C.3- JB | 944.88 | 19.8 | 3.3 | CMP | 0.024 | 15 | 0.24 | 8.25 | 1.96 | 946.1 | 945.4 | 4.13 |
| C.4- JB | 941.50 | C.2- JB | 933.83 | 156.2 | 4.9 | CMP | 0.024 | 24 | 0.77 | 7.78 | 5.99 | 942.4 | 935.2 | 3.63 |
| C.5- CI | 943.82 | C.4- JB | 942.00 | 66.9 | 2.7 | CMP | 0.024 | 18 | 0.69 | 7.88 | 5.46 | 944.7 | 942.8 | 5.22 |
| C.5.1- CI | 945.50 | C.5- CI | 944.32 | 23.1 | 5.1 | CMP | 0.024 | 18 | 0.07 | 8.25 | 0.55 | 945.8 | 944.7 | 1.96 |
| C.6- JB | 944.92 | C.5- CI | 944.32 | 30.0 | 2.0 | PVC | 0.010 | 12 | 0.54 | 8.25 | 4.47 | 945.8 | 944.9 | 7.53 |
| E.2- SWCB | 946.55 | E.1-Ex. SWCB to JB | 946.23 | 41.1 | 0.8 | CMP | 0.024 | 18 | 0.10 | 8.25 | 0.78 | 946.9 | 946.7 | 1.94 |




## PROFILE VIEW
C.2 TO C.2.3
1" = 20' HORZ.
1" = 10' VERT.




## PROFILE VIEW
LINE D: FROM STR. D.3.1-CO TO STR. D.3.5-CO
1" = 20' HORZ.
1" = 10' VERT.

| No. | REVISIONS | DATE | BY |
|---|---|---|---|
| 1 | LDP SUBMITTAL | 11/04/2015 | SD |
| 2 | REVISED PER COUNTY COMMENTS | 02/16/2016 | SD |
| 3 | GMP SET | 04/13/2017 | SD |
| 4 | APPROVED LDP | 05/26/2017 | SD |
| 5 | | | |
| 6 | | | |
| 7 | | | |

Kimley»Horn
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ALPHARETTA, GEORGIA 30009
PHONE (770) 619-4280
WWW.KIMLEY-HORN.COM

GEORGIA REGISTERED No. 16855 PROFESSIONAL ENGINEER GREGORY M. MAHEY 5.26.17

SCALE: AS NOTED
DRAWN BY: SD
DESIGNED BY: SD
CHECKED BY: GMM

CLIENT: ATLANTIC REALTY PARTNERS, INC
3378 PEACHTREE RD
ATLANTA GA 30326
PHONE: 404-591-2492

PROJECT: REVEL AT THE BALLPARK II
COBB COUNTY, GA

TITLE: STORM PROFILES

DATE 11/04/2015
PROJECT NO. 018459002
SHEET NUMBER C3-51

COBB COUNTY GEORGIA APPROVED FOR CONSTRUCTION