



- SLOTTED DRAIN NOTES:**
1. SLOTTED DRAINS WILL BE CONNECTED TO MAIN STORM DRAIN BY STANDARD BENDS, CONNECTION BANDS AND THE REQUIRED LENGTH AND SIZE OF CORRUGATED METAL PIPE.
  2. TRENCH BACKFILL MUST BE TAMPED TO 95% OF MAXIMUM DENSITY, OR A CEMENT - SAND CONCRETE SLURRY OR LEAN GROUT MAY BE USED.
  3. SLOTTED DRAIN PIPE WILL HAVE A DIAMETER OF 12".
  4. PAVING DETAIL SHOWN IS FOR USE WITH A 6" DEEP GRATE ON SLOTTED DRAIN.

**LENGTH OF SLOTTED DRAIN REQUIRED**

$$L = \frac{Q}{CH^{3/2}}$$

$$Q = 0.97 \text{ CFS}$$

$$C = 3.26$$

$$H = 0.1$$

$$L = 9.4' \text{ REQ'D; PROVIDED} = 131.14 \text{ LF}$$

**BENCHMARKS:**  
 BM #1 - "X" CUT ON THE PAVEMENT ON THE WEST R.O.W. LINE OF VIGOR WAY, ±13.3 FEET NORTH OF THE MOST SOUTHEASTERN PROPERTY CORNER OF LOT 1, BLOCK A, COMFORT INN & SUITES ROCKWALL TOWNE CENTER  
 ELEVATION - 545.93 FEET

**NOTES:**

1. TOPOGRAPHIC SURVEY PREPARED BY PEISER & MANKIN SURVEYING, LLC, DATED APRIL 07, 2017.
2. SEE SHEET C3 FOR GRADING PLAN.
3. SEE SHEET C6.2 STORM SEWER PROFILES.
4. SEE SHEET C8 FOR OTHER SITE UTILITIES.

**STORM SEWER NOTES:**

1. ALL CONSTRUCTION SHALL BE PER THE CITY'S AND NCTCOG (4TH EDITION) REQUIREMENTS.
2. ALL PRIVATE STORM SEWER SHALL BE PVC/HDPE UNLESS OTHERWISE NOTED ON THE PLANS.
3. ALL TRENCHING SHALL BE IN ACCORDANCE WITH THE LATEST OSHA STANDARDS AND SPECIFICATIONS.
4. ALL CONCRETE PIPE JOINTS SHALL BE SEALED WITH RAMNECK OR EQUIVALENT.
5. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS PRIOR TO CONNECTING TO EXISTING STRUCTURES.
6. GROUT ALL PIPE CONNECTIONS AT STRUCTURES TO PROVIDE A WATERTIGHT SEAL.
7. ADJUST ALL UTILITY APPURTENANCES TO FINAL GRADE.
8. ALL PRIVATE STORM SEWER TO BE MAINTAINED AND REPAIRED BY THE OWNER.

- STORM SEWER NOTE SCHEDULE:**
- |   |   |
|---|---|
| ① STA 0+00.00 LN 'SD-1'<br>STA 0+00.00 LN 'SD-5'<br>REMOVE EXIST Y-INLET &<br>11 LF OF EXIST 27" RCP<br>CONST 6" DIA STMH<br>RIM=536.10 | ⑬ STA 0+13.86 LAT 'SD-4'<br>CONST 5" CURB INLET<br>TC=541.85                                |
| ② STA 0+15.48 LN 'SD-1'<br>STA 0+00.00 LAT 'SD-1-A'<br>27"x 8"x 60" WYE<br>FL 8"=530.37   | ⑭ STA 1+92.28 LN 'SD-4'<br>18" x 45" BEND   |
| ③ STA 0+42.88 LN 'SD-1'<br>STA 0+00.00 LAT 'SD-1-B'<br>27"x 18"x 60" WYE  | ⑮ STA 2+27.26 LN 'SD-4'<br>18" x 45" BEND   |
| ④ STA 0+22.72 LAT 'SD-1-B'<br>CONST 10" CURB INLET<br>TC=538.50   | ⑯ STA 2+42.59 LN 'SD-4'<br>CONST 5" CURB INLET<br>TC=541.70                                 |
| ⑤ STA 1+39.98 LN 'SD-1'<br>STA 0+00.00 LN 'SD-2'<br>CONST 6" DIA STMH<br>RIM=540.80   | ⑰ STA 0+22.93 LN 'SD-5'<br>BEGIN SLOTTED DRAIN<br>TOP=536.30<br>FL 12"=534.80               |
| ⑥ STA 0+43.00 LN 'SD-2'<br>CONST 4"x4" Y-INLET WITH<br>3' APRON   | ⑱ STA 1+31.14 LN 'SD-5'<br>END AND PLUG 12"<br>SLOTTED DRAIN<br>TOP=538.10<br>FL 12"=536.60 |
| ⑦ STA 1+54.27 LN 'SD-1'<br>STA 0+00.00 LAT 'SD-1-C'<br>27"x 12"x 45" WYE<br>FL 12"=532.60   | ⑲ INSTALL 500-GALLON<br>OIL/WATER SEPARATOR   |
| ⑧ STA 2+45.51 LN 'SD-1'<br>STA 0+00.00 LAT 'SD-1-D'<br>27"x 12"x 45" WYE<br>FL 12"=533.52   | ⑳ INSTALL 18" DIA<br>GRATE INLET<br>TOP=544.10<br>FL=542.10                                 |
| ⑨ STA 0+40.43 LAT 'SD-1-D'<br>END AND PLUG 12" RCP<br>CONN TO POOL DRAINAGE<br>(BY OTHERS)<br>FL 12"=534.00                             | ㉑ END 4" PERFORATED<br>WALL DRAIN<br>FL 4"= 544.00  |
| ⑩ STA 2+99.42 LN 'SD-1'<br>STA 0+00.00 LN 'SD-3'<br>STA 0+00.00 LN 'SD-4'<br>CONST 6" DIA STMH<br>RIM=543.30                            | ㉒ 4"x 45" BEND<br>FL 4"=543.00  |
| ⑪ STA 0+48.00 LN 'SD-3'<br>CONST 5"x5" Y-INLET WITH<br>3' APRON   | ㉓ END 4" SOLID DRAIN<br>BEGIN 4" PERFORATED DRAIN<br>FL 4"=542.92                           |
| ⑫ STA 0+41.12 LN 'SD-4'<br>STA 0+00.00 LAT 'SD-4'<br>18"x 18"x 60" WYE  | ㉔ CONN 4" SOLID DRAIN<br>TO 18" PIPE<br>FL 4"=538.99<br>FL 18"=538.41                       |

RELEASED FOR CONSTRUCTION  
 ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN  
 REMAINS WITH THE DESIGN ENGINEER. THE CITY  
 OF ROCKWALL IN REVIEWING AND REFINANCING

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**DEVELOPER:**  
 JAGH HOSPITALITY  
 996 East I-30  
 Rockwall, TX 75087

**STORM SEWER PLAN**  
 LOT 1, BLOCK A  
 BW PLUS EXECUTIVE RESIDENCE  
 ROCKWALL, TEXAS

1" = 20'  
 signed by: JUV  
 checked by: JUV  
 date: 12/04/2017