

**NOTES:**

1. SEE ELECTRICAL SHEET FOR ADDITIONAL DETAILS.
2. WETWELL INTERIOR & EXTERIOR TO BE FINISHED PER TOWN OF CARY SPECIFICATIONS.
3. NO UNIFLANGE OR DRESSER COUPLING IN WETWELL.
4. ALL CONNECTIONS TO BE FLANGED CLASS 350 DIP PAINTED PER THE TOWN OF CARY SPECIFICATIONS UNLESS OTHERWISE NOTED.
5. PIPING SHALL BE SUPPORTED AS NECESSARY.
6. ALL CONCRETE WALL PENETRATIONS TO BE MADE WATER-TIGHT USING A FLEXIBLE PIPE TO MANHOLE CONNECTOR.
7. PUMPS, MOTORS, AND MAJOR ACCESSORIES SHALL BE SUPPLIED BY A SINGLE MANUFACTURER AS LISTED IN THE TOWN'S APPROVED MANUFACTURER'S LIST. APPROVED PUMP MANUFACTURERS INCLUDE ABS, FAIRBANKS MORSE, FLYGT, HYDROMETER, AND MYERS.

**KEY NOTES**

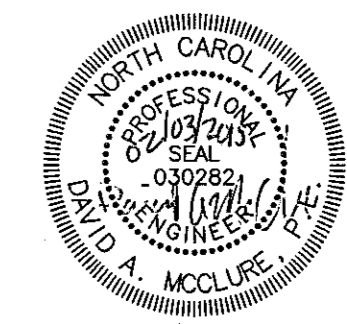
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|---|---|
| ① 4" FL DIP                               | ⑭ 2" SCH. 40 304 S.S. GUIDE RAIL  |
| ② 4" FL 90° BEND                          | ⑮ SUBMERSIBLE PUMP  |
| ③ 4" PE PIPE W/ FLANGE ADAPTOR ENDS       | ⑯ S.S. LIFT CHAIN   |
| ④ 4" FL RESTRAINED DISMANTLING COUPLING   | ⑰ INTERMEDIATE GUIDE RAIL SUPPORT   |
| ⑤ 4" FL PLUG VALVE (FULL PORT)            | ⑱ FLOAT CONTROL CORD (TYP.)   |
| ⑥ 4" FL CHECK VALVE                       | ⑲ 4" FL x RJ PIPE   |
| ⑦ 4" SPOOL PIECE                          | ⑳ 4" RJ 90° BEND  |
| ⑧ 4" FL 90° BASE BEND                     | ㉑ 4" RJ PIPE  |
| ⑨ 4" FL BASE TEE                          | ㉒ 4" RJ TEE   |
| ⑩ 3" PVC DRAIN LINE WITH BALL CHECK VALVE | ㉓ 4" RJ PLUG VALVE (FULL PORT) WITH VALVE BOX                             |
| ⑪ PIPE SUPPORT                            | ㉔ 8" INFLUENT SEWER   |
| ⑫ THRUST/PIPE SUPPORTS                    | ㉕ 3" CONDUIT WITH SEAL-OFFS AND ABOVE GROUND 18"x18"x6" S.S. JUNCTION BOX |
| ⑬ CONCRETE FILLET                         | ㉖ 0-200 PSI PRESSURE GAUGE W/ PEPCOCK                                     |

- HIGH WATER ALARM - 342.3
- LAG PUMP ON - 341.3
- LEAD PUMP ON - 340.30
- PUMPS OFF - 339.70
- LOW WATER ALARM - 338.70

**OPERATING CONDITIONS**  
 115 G.P.M. @ 35' TDH  
 1,750 RPM 5 Hp MOTOR  
 DUPLEX STATION DUTY POINT  
 FOR ONE PUMP RUNNING

BASE ELBOW SUPPLIED BY PUMP MANUFACTURER (LESS INTERNAL CHECK VALVE). ANCHOR TO WET WELL FLOOR WITH A 316 SS SOLE PLATE AND THREADED ROD. EPOXY SS THREADED RODS TO WET WELL FLOOR AND ATTACH SOLE PLATE TO BASE ELBOW PER MANUFACTURERS REQUIREMENTS.

**PUMP STATION SECTION**  
 1/2" = 1'-0"



Cary Project Number 14-SP-065  
 Cary HTE #: 15-0489  
**Approved by the Town of Cary**  
 Development Review Committee  
 Planner: *KM/K* Per *ALG* Date *3 Mar 2015*

No.	Revision	Date	By

Designer	DAM	Scale	AS NOTED
Drawn By	KMT	Date	02/03/2015
Checked By	CNH	Job No.	2140308.00

**THE ESTATES AT YATES POND**  
**TEMPORARY PUMP STATIONS & FORCE MAIN**  
 Town of Cary Wake County North Carolina

**WEST PUMP STATION SECTION VIEW**

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**WPS-4**