

| REVISION                       | BY  |
|--------------------------------|-----|
| 10-28-2015<br>CONSTRUCTION SET | SMT |

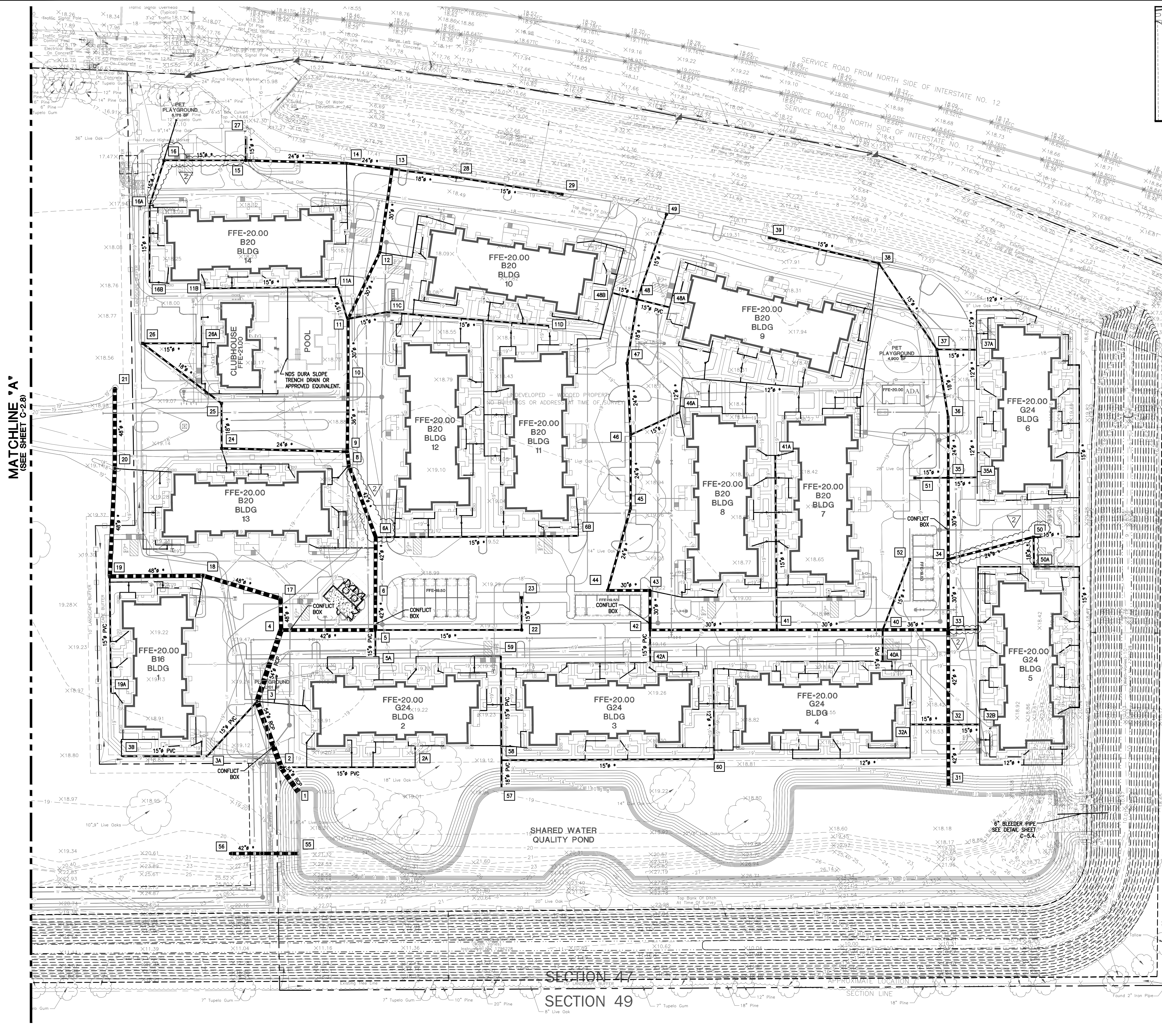
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*Thomas H. Buckel*  
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 10/28/2015  
 DATE

STAMP  
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 THOMAS H. BUCKEL  
 PROFESSIONAL ENGINEER  
 IN CIVIL ENGINEERING

SPRINGS @ RIVER CHASE  
 COVINGTON, LA  
 ST. TAMMANY PARISH  
 FOR CONTINENTAL 339 FUND LLC  
 COVINGTON, LA

DRAWN  
 DUG  
 CHECKED  
 THB  
 ISSUED DATE  
 10/28/2015  
 ISSUED FOR  
 CONSTRUCTION  
 PROJECT NO.  
 14-597  
 FILE  
 STORM DRAINAGE  
 SHEET  
**C-2.9**



**KEY MAP  
 NTS**

**PIPE NOTES:**

- PRIOR TO UTILIZING A PIPE OTHER THAN RCP, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THAT THE PIPE HAS ADEQUATE COVER AND EMBEDMENT PER THE MANUFACTURER'S RECOMMENDATIONS.
- THE CONTRACTOR SHALL SUBMIT BUOYANCY CALCULATIONS ON ALL RUNS OF PIPE THAT DO NOT UTILIZE CONCRETE PIPE. BUOYANCY CALCULATIONS SHALL BE PREPARED, SIGNED, & SEALED BY A REGISTERED ENGINEER, SHALL REPRESENT ACTUAL FIELD CONDITIONS, & SHALL DEMONSTRATE THAT THE PIPE UTILIZED WILL NOT BECOME BUOYANT. THE CONTRACTOR MAY ELECT TO PROVIDE A RESTRAINING SYSTEM, DESIGNED BY A REGISTERED ENGINEER, ADEQUATE TO RESIST BUOYANT FORCES WHERE NECESSARY.

**PIPE NOTES:**

IN THE PLANS WHERE A SPECIFIC PIPE TYPE IS CALLED FOR, THAT SPECIFIC PIPE TYPE MUST BE UTILIZED. WHERE AN ASTERISK (\*) IS SPECIFIED, THE CONTRACTOR MAY UTILIZE ANY ONE OF THE PIPE TYPES LISTED BELOW. THE #'S LISTED REFER TO THE FOLLOWING PIPE TYPES:

- REINFORCED CONCRETE PIPE (RCP) OR REINFORCED CONCRETE PIPE ARCH (RCPA)
- CONTECH ULTRAFLOW METAL PIPE
- CONTECH A-2000 PVC

IF AN ASTERISK (\*) IS NOT INDICATED THEN THE SPECIFIC PIPE TYPE SHALL BE USED.

**STRUCTURE TYPES:**

- DRAINAGE STRUCTURES SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH DOT REQUIREMENTS AS FOLLOWS:
- AREA INLETS CB-01 (PIPE SIZE 36" & SMALLER)  
CB-02 (PIPES LARGER THAN 36")  
RCP-11 MOD.
  - MANHOLES SEE DETAIL SHEET
  - MANHOLES FLUMES SEE DETAIL SHEET
  - ALL INLET FRAMES & GRATES SHALL BE VULCAN FOUNDRY CORP. CATALOG #V-5724 OR EQUAL.

**LEGEND - NEW IMPROVEMENTS**

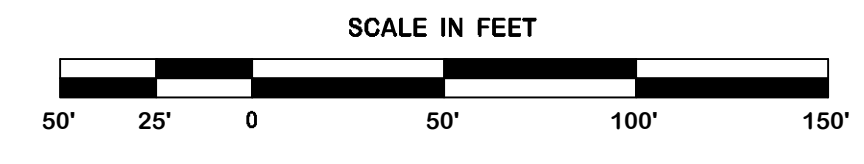
- SUBSURFACE DRAINAGE
- MANHOLE
- AREA INLET
- CURB INLET
- CONTOUR
- SLOPE
- STRUCTURE NUMBER
- RIP RAP

**LEGEND - EXISTING**

- FOUND 3/4" G.I.P.
- EXISTING POWER POLE
- EXISTING POWER POLE WITH LIGHT
- EXISTING GUY ANCHOR
- EXISTING OVERHEAD POWER LINE
- EXISTING GAS METER
- EXISTING GAS VALVE
- EXISTING GAS LINE
- EXISTING SEWER MANHOLE
- EXISTING GRAVITY SEWER LINE
- ELEVATION OF TOP OF STRUCTURE
- ELEVATION OF BOTTOM OF STRUCTURE
- EXISTING SPOT ELEVATION
- ELEVATION OF TOP OF CURB
- ELEVATION OF FACE OF CURB
- EXISTING SUBSURFACE DRAINAGE
- EXISTING CATCH BASIN/DROP INLET
- EXISTING REINFORCED CONCRETE PIPE
- EXISTING CORRUGATED METAL PIPE
- EXISTING SEWER FORCE MAIN



**STORM  
 DRAINAGE  
 PLAN 2**



SECTION 47  
 SECTION 49

MATCHLINE "A"  
 (SEE SHEET C-2.8)