



ABBREVIATIONS











|   |            |                       |           |
|---|------------|-----------------------|-----------|
| ACQUIRED                                | ACQ'D      | HORIZONTAL            | HORIZ.    |
| ACRE                                    | AC.        | JUNCTION              | JCT.      |
| ALABAMA DEPARTMENT OF TRANSPORTATION    | A.L.D.O.T. | JUNCTION BOX          | JCT. BOX  |
| BENCH MARK                              | B.M.       | LINEAR FEET           | L.F.      |
| BITUMINOUS COATED CORRUGATED METAL PIPE | B.C.C.M.P. | MAIL BOX              | M.B.      |
| BRICK RESIDENCE                         | BR. RES.   | POINT OF CURVE        | P.C.      |
| BUILDING                                | BLDG.      | POINT OF INTERSECTION | P.I.      |
| CARRYING CAPACITY                       | C.C.       | POINT OF TANGENT      | P.T.      |
| CAST IRON PIPE                          | C.I.       | POUND                 | LB.       |
| CENTER LINE                             | ☉          | PROPERTY LINE         | ℙ         |
| CONCRETE                                | CONC.      | RAILROAD              | R.R.      |
| CORNER                                  | COR.       | RANGE                 | R.        |
| CUBIC YARD                              | C.Y.       | RIGHT OF WAY          | R.O.W.    |
| CURB AND GUTTER                         | C & G      | REQUIRED              | REQ'D.    |
| DESIGN FLOW                             | D.F.       | RUBBLE MASONRY        | R.M.      |
| DISTANCE                                | DIST.      | SANITARY SEWER        | SAN. SEW. |
| DOUBLE                                  | DBL.       | SECTION               | SEC.      |
| DRAINAGE AREA                           | D.A.       | SHOULDER              | SHLDR.    |
| DROP INLET                              | D.INL      | SIDE DRAIN            | S.D.      |
| DUCTILE IRON PIPE                       | D.I.P.     | SQUARE YARD           | S.Y.      |
| EASEMENT                                | ESMT.      | STATION               | STA.      |
| ELEVATION                               | EL.        |                       |           |
| FINISHED FLOOR                          | F.F.       |                       |           |
| FLOW LINE                               | F.L.       |                       |           |
| FRAME RESIDENCE                         | FR. RES.   |                       |           |
| GALLONS PER MINUTE                      | G.P.M.     |                       |           |
| GAS METER                               | G.M.       |                       |           |
| GAS VALVE                               | G.V.       |                       |           |
| HEADWALL                                | HDWL.      |                       |           |
| HIGH WATER                              | H.W.       |                       |           |

|                        |                  |   |
|------------------------|------------------|---|
| <b>DATE</b>            | <b>REVISIONS</b> | <b>JEFFERSON COUNTY ALABAMA<br/>ENVIRONMENTAL SERVICES DEPARTMENT</b> |
| 05/14                  | FONT UPDATE      |   |
| MAY 2015               |                  | STANDARD<br>ABBREVIATIONS AND SYMBOLS                                 |
| <b>APPROVED: _____</b> |                  |   |
|                        |                  | <b>STANDARD DRAWING NO. 3305-310</b>                                  |

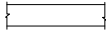

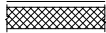
















ABBREVIATIONS

|                                |            |
|--------------------------------|------------|
| STORM SEWER                    | STM. SEW.  |
| STREET                         | ST.        |
| TANGENT TO CURVE               | TAN. TO C. |
| TEMPORARY BENCH MARK           | T.B.M.     |
| TOWNSHIP                       | T.         |
| VALLEY GUTTER                  | V.G.       |
| VERTICAL                       | VERT.      |
| VERTICAL FEET                  | V.F.       |
| VERTICAL POINT OF CURVE        | V.P.C.     |
| VERTICAL POINT OF INTERSECTION | V.P.I.     |
| VERTICAL POINT OF TANGENT      | V.P.T.     |
| VITRIFIED CLAY PIPE            | V.C.P.     |
| WATER METER                    | W.M.       |
| WATER VALVE                    | W.V.       |
| WING WALL                      | W.W.       |
| YARD                           | YD.        |

NATURAL




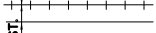

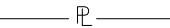


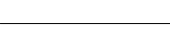


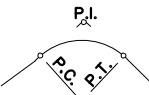
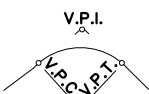
|   |  |
|---|--|
|  | TREES. (DRAW DOT TO SCALE OF TREE)                 |
|  | HEDGES OR SHRUBBERY                                |
|  | SHRUB  |
|  | FLOWER BED, GARDEN, OR ROCK GARDEN (NOTED)         |
|  | LAKE OR POND                                       |
|  | SWAMP, MARSH, ETC.                                 |
|  | FLOWING STREAM (ARROW INDICATES DIRECTION OF FLOW) |
|  | DRY DITCH OR STREAM                                |
|  | EARTH  |
|  | ROCK   |

STRUCTURES






















|   |  |
|---|--|
|    | UNPAVED ROAD OR DRIVEWAY   |
|    | PAVED ROAD OR DRIVEWAY   |
|    | PAVED ROAD WITH GUTTER   |
|    | DRAIN WITH HEADWALL (SIZE AND TYPE STRUCTURE NOTED)                          |
|    | EXISTING BRIDGE, BOX CULVERT, OR STORM DRAIN (SIZE AND TYPE STRUCTURE NOTED) |
|    | WALK BRIDGE  |
|    | RAILROAD TRACK SINGLE  |
|    | RAILROAD TRACK DOUBLE  |
|    | RAILROAD MILEPOST  |
|    | OUTDOOR ADVERTISING SIGN   |
|    | MASONRY WALL (NOTE TYPE)   |
|    | MAILBOX  |
|    | CLOTHES LINE AND POLES (NOTED)   |
|    | WELL   |
|  | LEVEE OR EARTH DAM   |
|  | WOOD FENCE   |
|  | HOG WIRE OR BARBED WIRE FENCE  |
|  | CHAIN LINK FENCE   |
|  | DROP INLET (NOTED)   |

|                 |                  |   |
|-----------------|------------------|---|
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| 05/14           | FONT UPDATE      |   |
| MAY 2015        |                  | STANDARD<br>ABBREVIATIONS AND SYMBOLS                                 |
| APPROVED: _____ |                  |   |

SURVEY

-  CENTER LINE SURVEY LOCATION
-  LAND TIE (CENTER LINE P.O.T. STA., ANGLE TO CENTER LINE FROM LAND LINE, AND DISTANCE TO CORNER NOTED)
-  RIGHT OF WAY (TYPE NOTED-ACQ'D, REQ'D, ETC.)
-  EASEMENT (NOTED)
-  PROPERTY IRON (SIZE AND TYPE NOTED)
-  PROPERTY LINE
-  SECTION CORNER OR 1/4 SECTION CORNER IRON (SIZE, TYPE, AND DESCRIPTION NOTED)
-  1/4 OR 1/4-1/4 SECTION LINE
-  SECTION LINE
-  RIGHT OF WAY MONUMENTS (NOTED FOR EXISTING)
-  CONSTRUCTION LIMITS
-  HORIZONTAL CURVE (P.C., P.I., P.T. STATIONS, LENGHT TANGENT, RADIUS, CENTRAL ANGLE, AND DEGREE OF CURVE NOTED)
-  VERTICAL CURVE (V.P.C., V.P.I., V.P.T. STATIONS, ELEVATION OF V.P.I., LENGHT, AND % GRADE ON TANGENTS)

TRAFFIC CONTROL

- | EXISTING  | PROPOSED  |  |
|---|---|--|
| X   |    | TRAFFIC SIGNAL HEAD                                |
| X   |    | TRAFFIC SIGNAL HEAD WITH BACK PLATE (NUMBER SHOWN) |
| X   |    | PEDESTRAIN SIGNAL HEAD                             |
|  |    | STEEL SIGNAL POLE WITH MAST ARM                    |
|   |    | PEDESTRAIN PUSH BUTTON AND SIGN                    |
|   |    | CONTROLLER CABINET                                 |
|   | —   | STOP LINE  |
|  |    | STEEL SIGNAL POLE (NOTED)                          |
| —   | —   | SPAN WIRE (NOTED)                                  |
|  |    | POST MOUNTED SIGN                                  |
|   | ----  | CONDUIT AND CABLE                                  |
|   |    | PORTABLE SIGN                                      |
|   |    | CONE   |
|   |    | VERTICAL PANEL                                     |
|   |    | TYPE I, II, AND III BARRICADES (NOTED)             |
|   |    | RAILROAD FLASHING LIGHT SIGNALS                    |
|   |    | FLAGGER STATION                                    |
|   |  | HIGH LEVEL WARNING DEVICE                          |
|   |  | DRUM   |
|   |  | WORK AREA  |
|   |  | JUNCTION BOX (ELECTRICAL)                          |

|                 |                  |   |
|-----------------|------------------|---|
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| 05/14           | FONT UPDATE      | STANDARD<br>ABBREVIATIONS AND SYMBOLS                                 |
| MAY 2015        |                  |   |
| APPROVED: _____ |                  |   |
|                 |                  | STANDARD DRAWING NO. <u>3305-320</u>                                  |

UTILITIES

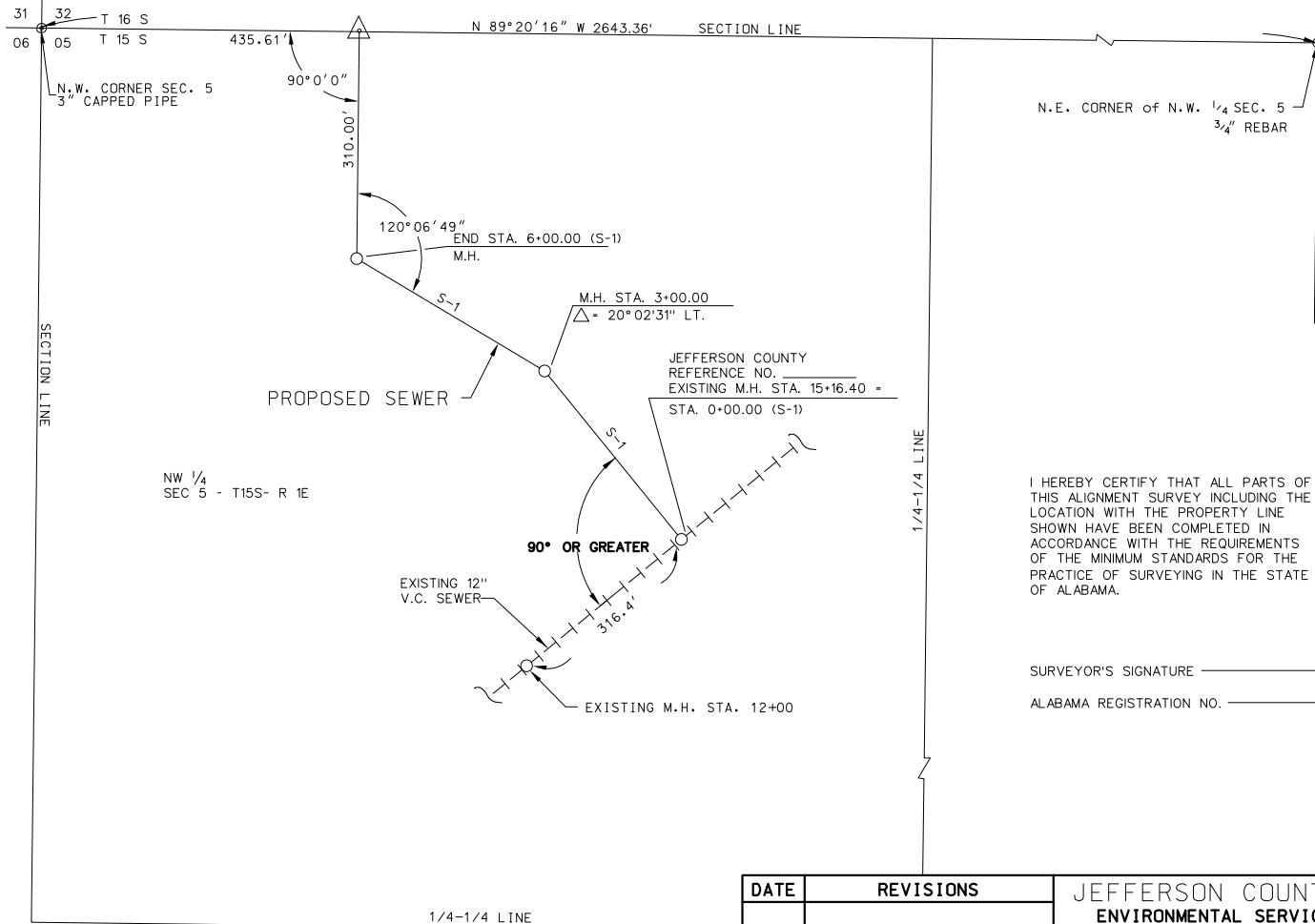
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- |— EXISTING SANITARY SEWER GRAVITY LINE (TICK UPSTREAM SIDE)
- ← ← EXISTING SANITARY SEWER FORCE LINE (ARROW INDICATES FLOW)
- UTILITY MANHOLE (NOTE TYPE IN CIRCLE - P,T,ETC.)
- P POWER JUNCTION BOX
- POWER POLE
- △ LIGHT POLE (NOTE TYPE)
- ⊠ HIGH VOLTAGE TRANSMISSION POLE OR TOWER
- UP— UNDERGROUND POWER CONDUIT
- P OVERHEAD POWER LINES
- T TELEPHONE JUNCTION BOX
- TELEPHONE POLE
- UT— UNDERGROUND TELEPHONE CONDUIT
- T OVERHEAD TELEPHONE LINES
- ⊕ COMBINATION POLE
- T&P OVERHEAD TELEPHONE AND POWER LINES
- GUY POLE
- → UTILITY POLE ANCHOR
- GAS LINE MARKER (NOTED)
- ⊖ GAS METER
- 6"G— GAS LINE (NOTE DIAMETER OF PIPE)
- ⊕ VALVE (NOTED GAS OR WATER)
- 6"W— WATER LINE (NOTE DIAMETER OF PIPE)
- ⊕ WATER METER
- ⊙ FIRE PLUG

|                 |                  |   |
|-----------------|------------------|---|
| <b>DATE</b>     | <b>REVISIONS</b> | JEFFERSON COUNTY ALABAMA<br>ENVIRONMENTAL SERVICES DEPARTMENT |
| 05/14           | FONT UPDATE      |   |
| MAY 2015        |                  | STANDARD<br>ABBREVIATIONS AND SYMBOLS                         |
| APPROVED: _____ |                  |   |
|                 |                  | STANDARD DRAWING NO. <u>3305-325</u>                          |

JEFFERSON COUNTY STANDARD NOTES FOR  
MAIN SEWERS PUMP STATIONS AND FORCE  
MAINS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATION OF THE JEFFERSON COUNTY ENVIRONMENTAL SERVICES DEPARTMENT. THE LOCAL MUNICIPALITY AND/OR THE STATE HIGHWAY DEPARTMENT, AND O.S.H.A. REGULATIONS, AS APPLICABLE.
2. THE CONTRACTOR SHALL NOTIFY THE JEFFERSON COUNTY ENVIRONMENTAL SERVICES DEPARTMENT 325-5496 AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION.
3. FIELD CHANGES REQUIRE APPROVAL OF JEFFERSON COUNTY ENVIRONMENTAL SERVICES DEPARTMENT.
4. CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.
5. MAINTAIN, RELOCATE OR REPLACE EXISTING SURVEY MONUMENTS, CONTROL POINTS, AND STAKES WHICH ARE DISTURBED OR DESTROYED. PERFORM WORK TO PRODUCE THE SAME LEVEL OF ACCURACY AS THE ORIGINAL MONUMENT(S) IN A TIMELY MANNER.
6. IF THE CONTRACTOR IS INSTALLING SERVICE LINES AT THE SAME TIME AS MAIN LINE, THE SERVICE LINE SHALL BE INSTALLED AND INSPECTED IN ACCORDANCE WITH CHAPTER 5 OF THE COMMERCIAL AND RESIDENTIAL SANITARY SEWER SYSTEM DESIGN AND CONSTRUCTION MANUAL.
7. TRAFFIC CONTROL SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MUTCD, LATEST EDITION.
8. CONTRACTOR WILL BE RESPONSIBLE FOR THE LOCATION, PROTECTION AND MAINTAINING THE OPERATION OF ALL EXISTING UTILITIES LOCATED ON OR ADJACENT TO THE PROJECT SITE AND WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT.
9. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FOR CONSTRUCTION, TO INCLUDE CONSTRUCTION STORMWATER PERMIT AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EFFECTIVE EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH THE CONSTRUCTION BEST MANAGEMENT PRACTICES PLAN (CBMPP).

|                        |                            |   |
|------------------------|----------------------------|---|
| <b>DATE</b>            | <b>REVISIONS</b>           | <b>JEFFERSON COUNTY ALABAMA<br/>ENVIRONMENTAL SERVICES DEPARTMENT</b> |
| 05/14                  | UPDATED TO<br>MATCH MANUAL | STANDARD CONSTRUCTION<br>PLAN NOTES                                   |
|                        | MAY 2015                   |   |
| <b>APPROVED:</b> _____ |                            | <b>STANDARD DRAWING NO. <u>3305-330</u></b>                           |



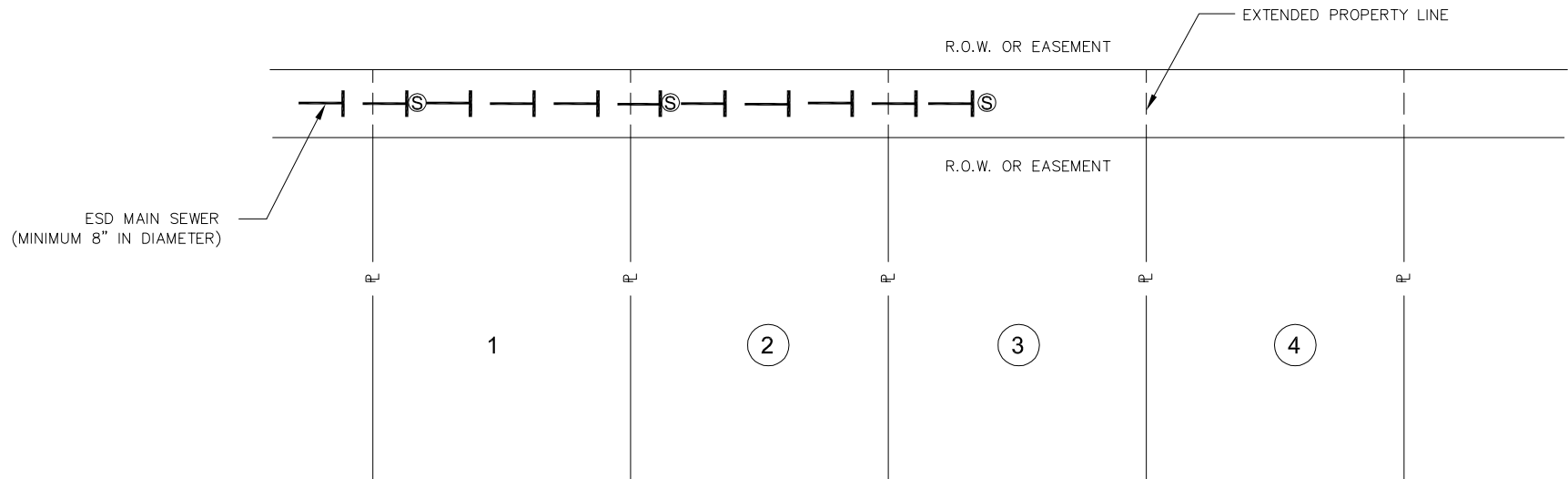
N.E. CORNER of N.W. 1/4 SEC. 5  
3/4" REBAR

NW 1/4  
SEC 5 - T15S- R 1E

I HEREBY CERTIFY THAT ALL PARTS OF THIS ALIGNMENT SURVEY INCLUDING THE LOCATION WITH THE PROPERTY LINE SHOWN HAVE BEEN COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS FOR THE PRACTICE OF SURVEYING IN THE STATE OF ALABAMA.

SURVEYOR'S SIGNATURE \_\_\_\_\_  
ALABAMA REGISTRATION NO. \_\_\_\_\_

|                 |  |   |
|-----------------|--|---|
| DATE            |  | JEFFERSON COUNTY ALABAMA<br>ENVIRONMENTAL SERVICES DEPARTMENT |
| REVISIONS       |  | STANDARD FORM AND<br>CONTENT FOR LAND TIE                     |
| MAY 2015        |  |   |
| APPROVED: _____ |  | STANDARD DRAWING NO. 3305-335                                 |



PARCELS: 1,2,3 AVAILABLE FOR CONNECTION OF SERVICE LINE OR TIE-IN OF FORCE MAIN.

PARCEL: 4 EXTENSION OF MAIN SEWER REQUIRED FOR CONNECTION. SERVICE LINE OR FORCE MAIN SHALL NOT CROSS ADJACENT PRIVATE PROPERTY.

| DATE            | REVISIONS              | JEFFERSON COUNTY ALABAMA<br>ENVIRONMENTAL SERVICES DEPARTMENT |
|-----------------|------------------------|---|
| 04/14           | UPDATE NOTES AND TERMS | ILLUSTRATION OF<br>AVAILABILITY OF SEWERS                     |
| MAY 2015        |                        |   |
| APPROVED: _____ |                        | STANDARD DRAWING NO. <u>3305-340</u>                          |