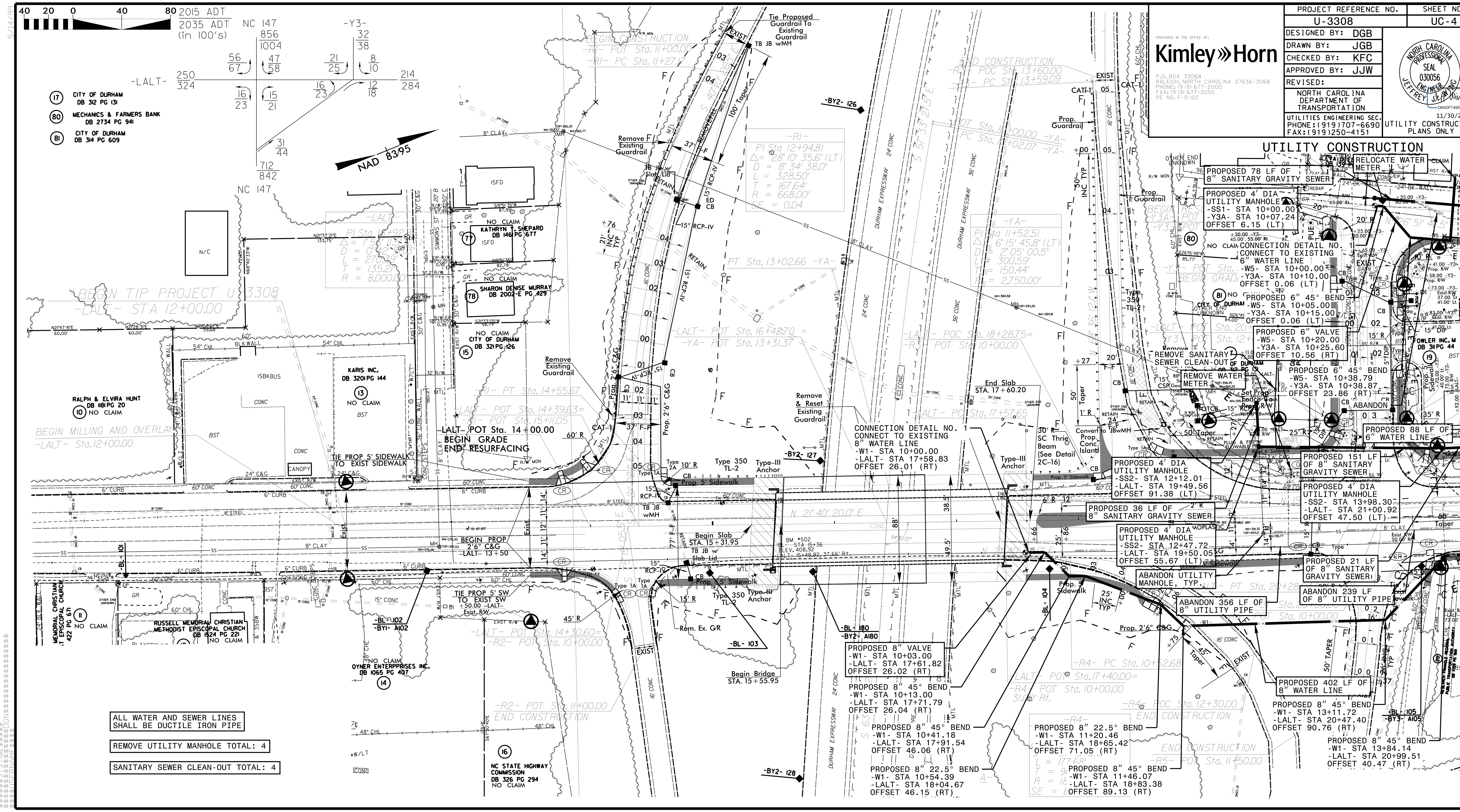
PROJECT REFERENCE NO. U-3308
SHEET NO. UC-4
PREPARED IN THE OFFICE OF:
Kimley»Horn
P.O. BOX 33068
RALEIGH, NORTH CAROLINA 27636-3068
PHONE: (919) 677-2000
FAX: (919) 677-2050
PE NO. F-0102
DESIGNED BY: DGB
DRAWN BY: JGB
CHECKED BY: KFC
APPROVED BY: JJW
REVISED:
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
UTILITIES ENGINEERING SEC.
PHONE: (919)707-6690
FAX: (919)250-4151
NORTH CAROLINA PROFESSIONAL SEAL 030056 ENGINEER JEFFREY J. WING
DocuSigned by:
D6ADF7495DFB4B8...
11/30/2015
UTILITY CONSTRUCTION PLANS ONLY
UTILITY CONSTRUCTION
MATCH LINE SHEET UC-5
2015 ADT
2035 ADT
(in 100's)
NC 147
-Y3-
-LALT-
NAD 83/95
17 CITY OF DURHAM DB 312 PG 131
80 MECHANICS & FARMERS BANK DB 2734 PG 941
81 CITY OF DURHAM DB 314 PG 609
BEGIN TIP PROJECT U-3308
-LALT- STA 12+00.00
BEGIN MILLING AND OVERLAY
-LALT- Sta.12+00.00
RALPH & ELVIRA HUNT DB 1181 PG 20 NO CLAIM
KARIS INC. DB 3201 PG 144 NO CLAIM
KATHRYN Y. SHEPARD DB 1461 PG 677
SHARON DENISE MURRAY DB 2002-E PG 429
CITY OF DURHAM DB 321 PG 126 NO CLAIM
RUSSELL MEMORIAL CHRISTIAN METHODIST EPISCOPAL CHURCH DB 1524 PG 221 NO CLAIM
OYNER ENTERPPRISES INC. DB 1065 PG 407 NO CLAIM
NC STATE HIGHWAY COMMISSION DB 326 PG 294 NO CLAIM
FOWLER INC. M M DB 311 PG 44
-LALT- POT Sta. 14+00.00
BEGIN GRADE
END RESURFACING
TIE PROP 5' SIDEWALK TO EXIST SIDEWALK
TIE PROP 5' SW TO EXIST SW
BEGIN PROP 2'6" C&G -LALT- 13+50
Remove Existing Guardrail
Tie Proposed Guardrail To Existing Guardrail
Remove & Reset Existing Guardrail
Begin Slab STA. 15+31.95
Begin Bridge STA. 15+55.95
End Slab STA. 17+60.20
DURHAM EXPRESSWAY
N 21° 40' 20.0" E
CONNECTION DETAIL NO. 1
CONNECT TO EXISTING 8" WATER LINE
-W1- STA 10+00.00
-LALT- STA 17+58.83
OFFSET 26.01 (RT)
PROPOSED 8" VALVE
-W1- STA 10+03.00
-LALT- STA 17+61.82
OFFSET 26.02 (RT)
PROPOSED 8" 45° BEND
-W1- STA 10+13.00
-LALT- STA 17+71.79
OFFSET 26.04 (RT)
PROPOSED 8" 45° BEND
-W1- STA 10+41.18
-LALT- STA 17+91.54
OFFSET 46.06 (RT)
PROPOSED 8" 22.5° BEND
-W1- STA 10+54.39
-LALT- STA 18+04.67
OFFSET 46.15 (RT)
PROPOSED 8" 22.5° BEND
-W1- STA 11+20.46
-LALT- STA 18+65.42
OFFSET 71.05 (RT)
PROPOSED 8" 45° BEND
-W1- STA 11+46.07
-LALT- STA 18+83.38
OFFSET 89.13 (RT)
PROPOSED 402 LF OF 8" WATER LINE
PROPOSED 8" 45° BEND
-W1- STA 13+11.72
-LALT- STA 20+47.40
OFFSET 90.76 (RT)
PROPOSED 8" 45° BEND
-W1- STA 13+84.14
-LALT- STA 20+99.51
OFFSET 40.47 (RT)
PROPOSED 78 LF OF 8" SANITARY GRAVITY SEWER
RELOCATE WATER METER
PROPOSED 4' DIA UTILITY MANHOLE
-SS1- STA 10+00.00
-Y3A- STA 10+07.24
OFFSET 6.15 (LT)
CONNECTION DETAIL NO. 1
CONNECT TO EXISTING 6" WATER LINE
-W5- STA 10+00.00
-Y3A- STA 10+10.00
OFFSET 0.06 (LT)
PROPOSED 6" 45° BEND
-W5- STA 10+05.00
-Y3A- STA 10+15.00
OFFSET 0.06 (LT)
PROPOSED 6" VALVE
-W5- STA 10+20.00
-Y3A- STA 10+25.60
OFFSET 10.56 (RT)
REMOVE SANITARY SEWER CLEAN-OUT
REMOVE WATER METER
PROPOSED 6" 45° BEND
-W5- STA 10+38.79
-Y3A- STA 10+38.87
OFFSET 23.86 (RT)
ABANDON
PROPOSED 88 LF OF 6" WATER LINE
PROPOSED 4' DIA UTILITY MANHOLE
-SS2- STA 12+12.01
-LALT- STA 19+49.56
OFFSET 91.38 (LT)
PROPOSED 151 LF OF 8" SANITARY GRAVITY SEWER
PROPOSED 36 LF OF 8" SANITARY GRAVITY SEWER
PROPOSED 4' DIA UTILITY MANHOLE
-SS2- STA 13+98.30
-LALT- STA 21+00.92
OFFSET 47.50 (LT)
PROPOSED 4' DIA UTILITY MANHOLE
-SS2- STA 12+47.72
-LALT- STA 19+50.05
OFFSET 55.67 (LT)
PROPOSED 21 LF OF 8" SANITARY GRAVITY SEWER
ABANDON UTILITY MANHOLE, TYP.
ABANDON 239 LF OF 8" UTILITY PIPE
ABANDON 356 LF OF 8" UTILITY PIPE
ALL WATER AND SEWER LINES SHALL BE DUCTILE IRON PIPE
REMOVE UTILITY MANHOLE TOTAL: 4
SANITARY SEWER CLEAN-OUT TOTAL: 4