SEE SHEET 2B-1 FOR CURVE DATA
SEE SHEET 2B-3 FOR INTERSECTION DETAILS
SEE SHEET 10 FOR -L- PROFILE
SEE SHEET 11 FOR -SBL- AND -NBL- PROFILES
SEE SHEET 13 FOR -FLYOVER- AND -Y2RPA- PROFILES
SEE SHEET 14 FOR -Y2RPB- AND -Y2LPC- PROFILES
SEE SHEET 15 FOR -Y8- AND -Y9- PROFILES

(26) LISTON E & SUSAN S MALPASS
DB 7807 - PG 382
BM 2003 - PG 964

(27) JOYNERS REAL ESTATE HOLDINGS V LLC
DB 15087 - PG 2007
BM 1959 - PG 262

(28) ISABEL HUFMEYER
DB 7807 - PG 382
BM 2003 - PG 964

(29) SUZANNE ABERNETHY
WILLIAM R RUGGLES
DB 13227 - PG 452
BM 1958 - PG 10

Kimley»Horn ©2014
P.O. BOX 33068 • RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	UC-7
DESIGNED BY: DGB	
DRAWN BY: JGB	
CHECKED BY: JRP	
APPROVED BY: JAR	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151	UTILITY CONSTRUCTION PLANS ONLY

NORTH CAROLINA PROFESSIONAL SEAL 030001 ENGINEER JEFFREY A. RIVENBARK
6/8/2016

UTILITY CONSTRUCTION

NAD 83/NSRS 2007

QUANTITY TOTALS

PROPOSED FIRE HYDRANT:	3
RELOCATE FIRE HYDRANT:	2
RELOCATE WATER METER:	7
SANITARY SEWER CLEAN-OUT:	14

PROPOSED 21 LF OF 36" SANITARY GRAVITY SEWER
PROPOSED 8' DIA. UTILITY MANHOLE -SS8- STA 23+71.19 -L- STA 41+70.40 OFFSET 180.31 (LT)
ABANDON 385 LF OF 8" UTILITY PIPE
PROPOSED 125 LF OF 36" SANITARY GRAVITY SEWER
PROPOSED 8" DI MJ SOLID SLEEVE RESTRAIN W/ MEGA LUGS -W7- STA 10+00.00 -L- STA 41+94.57 OFFSET 203.99 (LT)
PROPOSED 8" BLOW OFF (PERMANENT - SEE DETAIL W-22)
PROPOSED 59 LF OF 8" WATER LINE
PROPOSED 135 LF OF 8" WATER LINE
PROPOSED 8" GATE VALVE -W7- STA 11+28.99 -L- STA 41+95.48 OFFSET 75.00 (LT)
PROPOSED 12"x8" REDUCER -W6- STA 10+24.05 -L- STA 42+11.22 OFFSET 69.00 (LT)
PROPOSED 12"x12" TEE -W1- STA 43+83.50 -W6- STA 10+40.53 -L- STA 42+27.70 OFFSET 69.00 (LT)
PROPOSED 12" GATE VALVE -W6- STA 10+46.53 -L- STA 42+33.70 OFFSET 69.00 (LT)
PROPOSED 12" GATE VALVE -W1- STA 43+77.50 -L- STA 42+27.70 OFFSET 43.00 (LT)
PROPOSED 110 LF OF 24" ENCASEMENT PIPE
PROPOSED 55 LF OF 24" TRENCHLESS INSTALLATION IN SOIL
PROPOSED 55 LF OF 24" TRENCHLESS INSTALLATION NOT IN SOIL
PROPOSED 8"x8" TEE -W6- STA 10+08.35 -W7- STA 11+34.99 -L- STA 41+95.53 OFFSET 69.00 (LT)
PROPOSED 236 LF OF 12" WATER LINE
PROPOSED 12" 45° BEND -W1- STA 42+27.51 -L- STA 42+27.70 OFFSET 86.99 (RT)
PROPOSED 12" 45° BEND -W1- STA 42+20.44 -L- STA 42+22.70 OFFSET 91.99 (RT)
PROPOSED 8" GATE VALVE -W6- STA 10+02.35 -L- STA 41+89.53 OFFSET 69.00 (LT)
ABANDON UTILITY MANHOLE
PROPOSED 8' DIA. UTILITY MANHOLE -SS8- STA 22+46.06 -SS7- STA 10+00.00 -L- STA 41+69.41 OFFSET 55.18 (LT)
PROPOSED 90 LF OF 16" ENCASEMENT PIPE
PROPOSED 45 LF OF 16" TRENCHLESS INSTALLATION IN SOIL
PROPOSED 45 LF OF 16" TRENCHLESS INSTALLATION NOT IN SOIL
ABANDON UTILITY MANHOLE
PROPOSED 102 LF OF 8" SANITARY GRAVITY SEWER
PROPOSED 4' DIA. UTILITY MANHOLE -SS7- STA 11+02.61 -L- STA 41+68.60 OFFSET 47.49 (RT)
PROPOSED 19 LF OF 8" SANITARY GRAVITY SEWER

PROPOSED 6' DIA. UTILITY MANHOLE -SS8- STA 18+74.46 -L- STA 45+37.11 OFFSET 56.00 (LT)
PROPOSED 84 LF OF 36" SANITARY GRAVITY SEWER
PROPOSED 6' DIA. UTILITY MANHOLE -SS8- STA 17+91.03 -L- STA 46+17.41 OFFSET 56.18 (LT)
PROPOSED 12" 22.5° BEND -W6- STA 16+18.95 -L- STA 47+88.37 OFFSET 99.13 (LT)
PROPOSED 6' DIA. UTILITY MANHOLE -SS8- STA 16+08.80 -L- STA 47+91.11 OFFSET 89.54 (LT)
PROPOSED 182 LF OF 36" SANITARY GRAVITY SEWER
PROPOSED FIRE HYDRANT, TYP.
PROPOSED 12" 11.25° BEND -W6- STA 16+31.04 -L- STA 48+00.25 OFFSET 96.85 (LT)
PROPOSED 372 LF OF 36" SANITARY GRAVITY SEWER
RELOCATE WATER METER, TYP.
PROPOSED 12" GATE VALVE -W6- STA 16+41.04 -L- STA 48+09.64 OFFSET 93.42 (LT)
PROPOSED 190 LF OF 36" SANITARY GRAVITY SEWER
PROPOSED 1268 LF OF 12" WATER LINE
PROPOSED 6' DIA. UTILITY MANHOLE -SS8- STA 14+19.27 -L- STA 49+69.14 OFFSET 24.54 (LT)
PROPOSED 12" 22.5° BEND -W6- STA 18+36.83 -L- STA 49+93.56 OFFSET 26.27 (LT)
PROPOSED 12" 45° BEND -W6- STA 20+62.67 -L- STA 53+06 LT -L- STA 52+14.05 -L- STA 53+06 RT OFFSET 46.24 (LT)
PROPOSED 25 LF OF 12" SANITARY GRAVITY SEWER
PROPOSED 12" 45° BEND -W6- STA 20+46.50 -L- STA 52+03.07 OFFSET 34.38 (LT)
PROPOSED 4' DIA. UTILITY MANHOLE -L- STA 52+07.59 OFFSET 57.24 (LT)

PROPOSED 240 LF OF 36" SANITARY GRAVITY SEWER
PROPOSED 24 LF OF 18" SANITARY GRAVITY SEWER
PROPOSED 8' DIA. UTILITY MANHOLE -SS8- STA 11+78.59 -L- STA 52+07.59 OFFSET 57.24 (LT)
PROPOSED 147 LF OF 36" SANITARY GRAVITY SEWER
PROPOSED 6' DIA. UTILITY MANHOLE -SS8- STA 10+31.97 -L- STA 53+54.21 OFFSET 58.28 (LT)
PROPOSED 32 LF OF 36" SANITARY GRAVITY SEWER
PROPOSED 6' DIA. UTILITY MANHOLE -SS8- STA 10+00.00 -L- STA 53+81.21 OFFSET 41.16 (LT)
PROPOSED 12" TEE -W6- STA 22+80.17 -L- STA 54+31.29 OFFSET 53.57 (LT)
PROPOSED 12" GATE VALVE -W6- STA 22+86.17 -L- STA 54+37.22 OFFSET 54.41 (LT)
PROPOSED 12" TEMPORARY BLOW OFF ASSEMBLY
PROPOSED 12" INSERTION VALVE W/ 12" DI MJ SOLID SLEEVE -W6- STA 22+90.67 OFFSET 10.00 (RT) -L- STA 54+44.27 OFFSET 45.38 (LT)
PROPOSED 12" 90° BEND -W6- STA 22+80.16 OFFSET 10.00 (RT) -L- STA 54+32.68 OFFSET 43.66 (LT)

ABANDON 1018 LF OF 24" UTILITY PIPE
ABANDON 488 LF OF 8" UTILITY PIPE
ABANDON 353 LF OF 8" UTILITY PIPE
ABANDON 1342 LF OF 12" UTILITY PIPE
ABANDON UTILITY MANHOLE
REMOVE UTILITY MANHOLE

MATCHLINE -L- STA 41+50 (SEE SHEET UC-6)

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL CITY OF RALEIGH AND/OR NCDOT STANDARDS AND SPECIFICATIONS.

PUBLIC
SEWER COLLECTION / EXTENSION SYSTEM
THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC SEWER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.
CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PERMIT # _____
AUTHORIZATION TO CONSTRUCT _____
DATE _____

PUBLIC
WATER DISTRIBUTION / EXTENSION SYSTEM
THE CITY OF RALEIGH CONSENTS TO THE CONNECTION AND EXTENSION OF THE CITY'S PUBLIC WATER SYSTEM AS SHOWN ON THIS PLAN. THE MATERIAL AND CONSTRUCTION METHODS USED FOR THIS PROJECT SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY'S PUBLIC UTILITIES HANDBOOK.
CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PERMIT # _____
AUTHORIZATION TO CONSTRUCT _____
DATE _____

INFRASTRUCTURE CONSTRUCTION PLAN APPROVAL
CITY OF RALEIGH - PLANS AUTHORIZED FOR CONSTRUCTION
All Construction must be in accordance with all Local, State, and Federal Rules and Regulations.
TRANSPORTATION SERVICES _____
PUBLIC UTILITIES _____
STORMWATER _____
PLANNING _____
FIRE _____
URBAN FORESTRY _____

REVISIONS

6/8/2016 K:\RAL_Roadway\010\36256 - Capital Boulevard\Utilities\Engineering\UC\Proj\B5121_B5317_ut_rdy7_uc07_pshdgn