

- GENERAL NOTES:**
- 1) MSD WATER MANAGEMENT #10761.
  - 2) ALL WORK PERFORMED ON THIS PROJECT SHALL CONFORM TO THE KENTUCKY TRANSPORTATION CABINET'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION, UNLESS OTHERWISE SPECIFIED.
  - 3) IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL FEDERAL, STATE AND LOCAL PERMITS NECESSARY TO PERFORM AND COMPLETE THE PROJECT AS SHOWN ON THESE PLANS. CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL INFORMATION STAKING THE PROJECT'S LINES AND GRADES AS SHOWN ON THESE PLANS WILL BE PROVIDED UPON REQUEST.
  - 4) IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES SUCH THAT ACCESS TO WORK AREAS OR SCHEDULE CONFLICTS DO NOT INTERRUPT OR DELAY THE PROJECT'S SCHEDULE.
  - 5) THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND VERIFY ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION AND TO COORDINATE ALL CONNECTIONS WITH UTILITY COMPANIES.
  - 6) ALL STORM SEWER PIPE SHALL BE A MINIMUM OF 12" DIAMETER.
  - 7) ALL CULVERTS UNDER PAVING HAVING LESS THAN 12" COVER SHALL BE CONCRETE ENCASED.
  - 8) RING ALL CATCH BASINS WITH STONE BAGS DURING GRADING OPERATIONS.
  - 9) ALL STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE METROPOLITAN SEWER DISTRICT'S STANDARD SPECIFICATIONS.
  - 10) DENSE-GRADED AGGREGATE BASE SHALL BE COMPACTED IN SEPARATE LAYERS.
  - 11) FOR ASPHALT PARKING LOTS, CONTRACTOR SHALL RECEIVE APPROVAL FOR JOB MIX FORMULA.
  - 12) ALL SUBGRADES SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR. THE UPPER 12" OF FILL BENEATH PAVEMENTS SHALL BE COMPACTED TO 100% MOISTURE CONTENT SHALL BE WITHIN +3% TO -1% OF OPTIMUM.
  - 13) TACK COAT SHALL BE APPLIED AT THE RATE OF 0.1 GALS. PER SQ. YARD WITH INSTALLATION OF SURFACE ASPHALT WHEN FINAL PAVING HAS BEEN DELAYED FROM THE BINDER INSTALLATION.
  - 14) THE CONTRACTOR SHALL SLOPE ALL FINISH GRADES TO PROVIDE POSITIVE DRAINAGE. FLAT AND PONDING AREAS WILL NOT BE ACCEPTABLE.
  - 15) THE MINIMUM GRADE OF ALL STREETS SHALL BE 1% AND MAXIMUM SHALL BE 10%.
  - 16) DIMENSIONS SHOWN HEREON ARE FROM THE EDGE OF GUTTERS OR WALLS UNLESS SHOWN OTHERWISE. ALL RADII SHOWN ARE ON FACE OF CURB.
  - 17) SIDEWALKS SHALL BE A MINIMUM 5" THICK WITH 6" X 6" W.W.F. ON A 4" D.G.A. BASE. SIDEWALKS AT DRIVEWAYS SHALL HAVE A MINIMUM THICKNESS OF 6". A FINE BROOM FINISH SHALL BE PROVIDED WITH CONTROL JOINTS SPACED AT 5' INTERVALS AND EXPANSION JOINTS AT 25' INTERVALS, AT ALL BENDS AND WHERE ABUTTING RIGID STRUCTURES.
  - 18) THE CONTRACTOR SHALL PROVIDE A COMPACTED DEPTH OF 6" TOPSOIL OVER ALL PERVIOUS AREAS ON THE PROJECT.
  - 19) ALL HANDICAP SITE FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FEDERAL REGULATIONS 28 CFR PART 36: ADA STANDARDS FOR ACCESSIBLE DESIGN.
  - 20) THIS PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD HAZARD AREA. (FEMA MAP 21111C0031 E)
  - 21) SANITARY SEWERS ARE AVAILABLE BY LATERAL EXTENSION FROM THE EXISTING SEWER RECORD NUMBER 9812-3, SUBJECT TO FEES.
  - 22) DRAINAGE FACILITIES SHALL CONFORM TO MSD REQUIREMENTS.
  - 23) COMPATIBLE UTILITIES SHALL BE PLACE IN A COMMON TRENCH UNLESS APPLICABLE AGENCIES REQUIRE OTHERWISE.
  - 24) SITE LIGHTING SHALL NOT SHINE IN THE EYES OF DRIVERS AND SHALL BE DIRECTED DOWN AND AWAY FROM ANY RESIDENTIAL PROPERTIES.
  - 25) ALL SIGNAGE SHALL COMPLY WITH LDC CHAPTER 8, SIGN REGULATIONS.
  - 26) ALL SERVICE STRUCTURES, INCLUDING DUMPSTER SHALL BE SCREENED IN ACCORDANCE WITH LDC CHAPTER 10.
  - 27) MITIGATION MEASURES FOR DUST CONTROL SHALL BE IN PLACE DURING CONSTRUCTION TO PREVENT FUTIGVE PARTICULATE EMISSIONS FROM REACHING EXISTING ROADS AND NEIGHBORING PROPERTIES.
  - 28) ALL CONSTRUCTION AND SALES TRAILERS MUST BE PERMITTED BY THE DEPARTMENT OF PUBLIC HEALTH AND WELLNESS IN ACCORDANCE WITH CHAPTER 115 OF LOUISVILLE JEFFERSON COUNTY METRO ORDINANCES.
  - 29) CONSTRUCTION PLANS AND BOND ARE REQUIRED BY METRO PUBLIC WORKS PRIOR TO CONSTRUCTION APPROVAL AND ISSUANCE OF MPW ENCROACHMENT PERMIT.
  - 30) THE FINAL DESIGN OF THIS PROJECT MUST MEET ALL MS4 WATER QUALITY REGULATIONS ESTABLISHED BY MSD. SITE LAYOUT MAY CHANGE AT THE DESIGN PHASE DUE TO PROPER SIZING OF GREEN BEST MANAGEMENT PRACTICES.
  - 31) AN MSD DRAINAGE BOND WILL BE REQUIRED.
  - 32) CITY OF LYNDON APPROVAL REQUIRED.
  - 33) LOTS TO BE CONSOLIDATED AND RECORDED PRIOR TO DEVELOPMENT PLAN APPROVAL.
  - 34) ONSITE DETENTION WILL BE PROVIDED. POSTDEVELOPMENT PEAK FLOWS WILL BE LIMITED TO PREDEVELOPED PEAK FLOWS FOR THE 2,10,25, AND 100-YEAR STORMS OR TO THE CAPACITY OF THE DOWNSTREAM SYSTEM, WHICHEVER IS MORE RESTRICTIVE.
  - 33) RIGHT-OF-WAY DEDICATION BY DEED OR MINOR PLAT REQUIRED PRIOR TO CONSTRUCTION APPROVAL.
  - 34) MSD FLOODPLAIN PERMIT REQUIRED PRIOR TO MSD CONSTRUCTION PLAN APPROVAL.
  - 35) NO INCREASE IN VELOCITY FROM DETENTION BASIN AT THE POINT OF DISCHARGE AT THE PROPERTY LINE.
  - 36) LYNDON FIRE DEPARTMENT REVIEW AND COMMENTS REQUIRED.

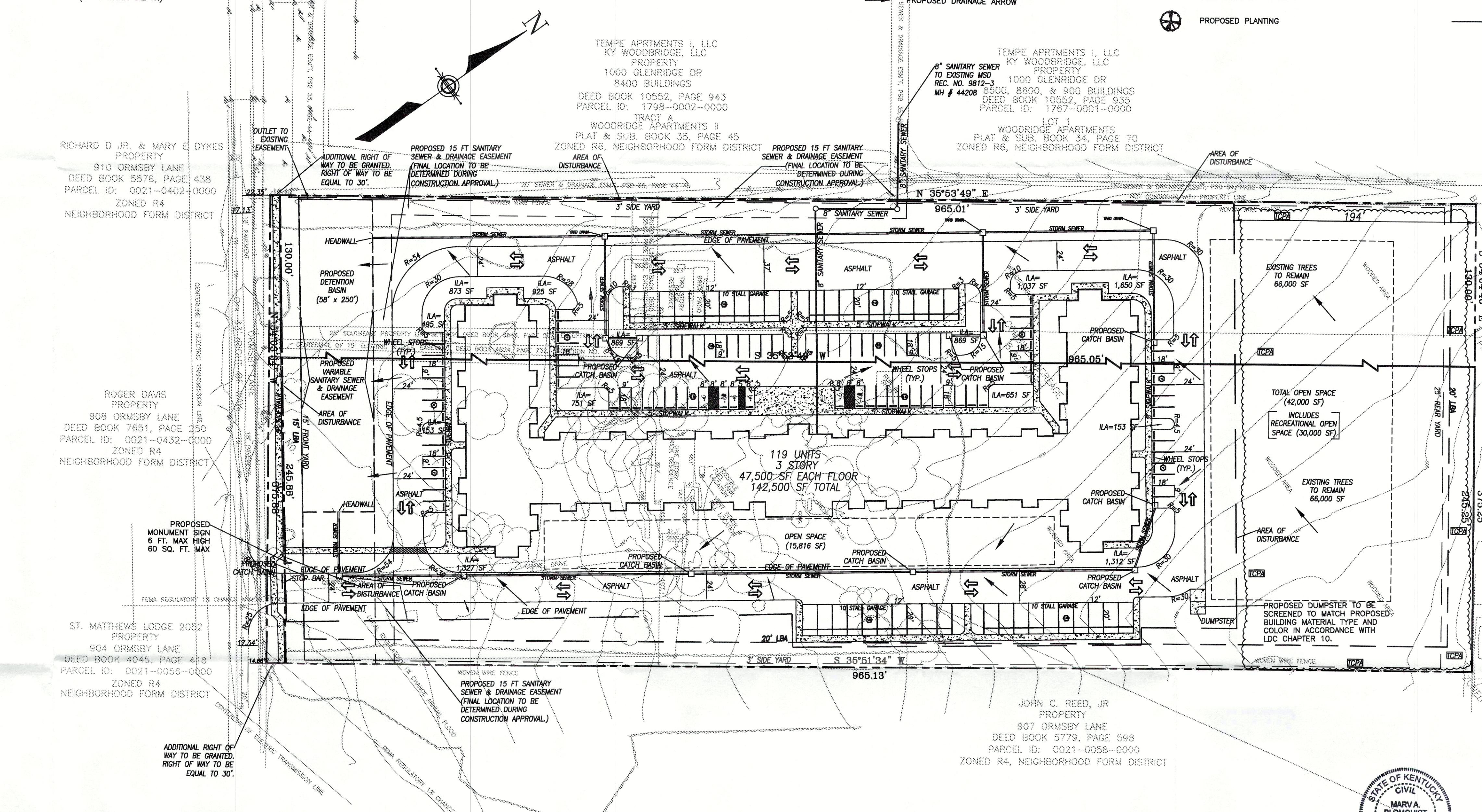
INCREASE IN IMPERVIOUS AREA	
PREDEVELOPED IMPERVIOUS AREA	= 10,198 SQ. FT.
DEVELOPED IMPERVIOUS AREA	= 146,638 SQ. FT.
INCREASE IN IMPERVIOUS AREA	= 136,440 SQ. FT.

AREA OF DISTURBANCE	
254,727 SQ. FT. (5.85 AC.)	

OPEN SPACE CALCULATIONS	
REQUIRED OPEN SPACE.....	54,367 S.F. (362,449 x 15%)
PROVIDED OPEN SPACE.....	57,816 S.F.

REQUIRED RECREATIONAL OPEN SPACE.....	27,184 S.F. (54,367 x 50%)
PROVIDED RECREATIONAL OPEN SPACE.....	30,000 S.F.
(TREE CANOPY PROTECTION AREA DESIGNED FOR PASSIVE RECREATION)	

DETENTION BASIN CALCULATIONS	
PRE-DEVELOPED C=0.25	DEVELOPED C=0.48
PRELIMINARY DETENTION BASIN VOLUME	= 0.23 X 2.8/12 X 8.32 Ac.
REQUIRED VOLUME	= 0.4465 Aa.Ft
REQUIRED VOLUME	= 19,450 CF
PRELIMINARY DETENTION VOLUME SHOWN	= 21,932 CF
(2 FT BASIN DEPTH)	



**EROSION PREVENTION and SEDIMENT CONTROL:**

THE APPROVED EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHALL BE IMPLEMENTED PRIOR TO ANY LAND-DISTURBING ACTIVITY ON THE CONSTRUCTION SITE. ANY MODIFICATIONS TO THE APPROVED EPSC PLAN MUST BE REVIEWED AND APPROVED BY MSD'S PRIVATE DEVELOPMENT REVIEW OFFICE. EPSC BMP'S SHALL BE INSTALLED PER THE PLAN AND MSD STANDARDS.

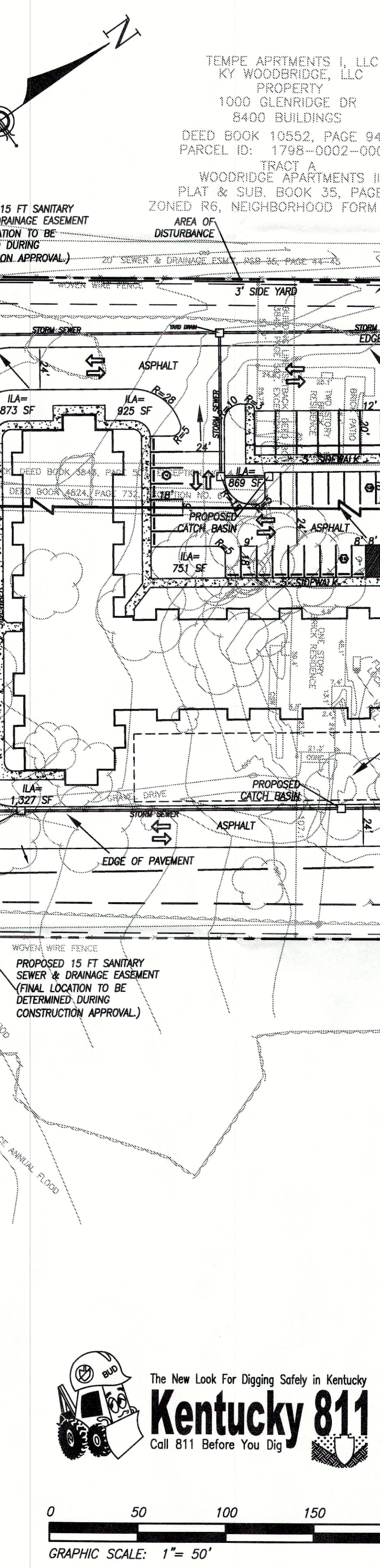
DETENTION BASINS, IF APPLICABLE, SHALL BE CONSTRUCTED FIRST AND SHALL PERFORM AS SEDIMENT BASINS DURING CONSTRUCTION UNTIL THE CONTRIBUTING DRAINAGE AREAS ARE SEEDED AND STABILIZED. ACTIONS MUST BE TAKEN TO MINIMIZE THE TRACKING OF MUD AND SOIL FROM CONSTRUCTION AREAS ONTO PUBLIC ROADWAYS. SOILS TRACKED ONTO THE ROADWAY SHALL BE REMOVED DAILY.

SOIL STOCKPILES SHALL BE LOCATED AWAY FROM STREAMS, PONDS, SWALES, AND CATCH BASINS. STOCKPILES SHALL BE SEEDED, MULCHED, AND ADEQUATELY CONTAINED THROUGH THE USE OF SILT FENCING. ALL STREAM CROSSINGS MUST UTILIZE LOW-WATER CROSSING STRUCTURES PER MSD STANDARD DRAWING ER-02.

WHERE CONSTRUCTION OR LAND DISTURBANCE ACTIVITY WILL OR HAS TEMPORARILY CEASED ON ANY PORTION OF A SITE, TEMPORARY SITE STABILIZATION MEASURES SHALL BE REQUIRED AS SOON AS PRACTICABLE, BUT NO LATER THAN 14 CALENDAR DAYS AFTER THE ACTIVITY HAS CEASED.

SEDIMENT-LADEN GROUNDWATER ENCOUNTERED DURING TRENCHING, BORING OR OTHER EXCAVATION ACTIVITIES SHALL BE PUMPED TO A SEDIMENT TRAPPING DEVICE PRIOR TO BEING DISCHARGE INTO A STREAM, POND, SWALE OR CATCH BASIN.

SITE DATA CHART	
EXISTING ZONE.....	R4
PROPOSED ZONE.....	R6
EXISTING FORM DISTRICT.....	NEIGHBORHOOD
EXISTING USE.....	RESIDENTIAL
PROPOSED USE.....	SENIOR HOUSING
PROPERTY AREA.....	8.32 ACRES (362,449 S.F.)
PROPOSED BUILDING S.F. ....	119 DWELLING UNITS
PROPOSED DENSITY.....	14.30 DWELLING UNITS PER ACRE
MAX DENSITY ALLOWED.....	17.42 DWELLING UNITS PER ACRE
PROPOSED BUILDING HEIGHT.....	35 FT. MAX. (THREE STORIES)
F.A.R.....	0.365
REQUIRED PARKING.....	61 MIN. (.5 PER UNIT, 1 PER 2 EMPLOYEES)
PROVIDED PARKING.....	135, INCL. 6 ADA & 40 GARAGES
REQUIRED VUA.....	87,067 S.F.
PROVIDED ILA.....	6,530 S.F. (7.5%)
EXISTING TREE CANOPY.....	11,065 S.F. (12.7%)
REMAINING TREE CANOPY.....	61%
REQUIRED TREE CANOPY.....	18.2% (66,000 S.F.)
REQUIRED TREE CANOPY.....	0%



LEGEND	
1/2" DIAMETER STEEL REINFORCING BAR WITH ORANGE PLASTIC CAP STAMPED "WI 2852" SET	GAS MAIN
PARKER-KALON NAIL WITH BRASS WASHER STAMPED "2852", SET PREVIOUS SURVEY	EXISTING POLE
LIGHT POLE	TELEPHONE POLE
SANITARY/STORM MANHOLE	POLE ANCHOR
POWER POLE	TREE/SHRUB
FIRE HYDRANT	FENCE
GRAVITY SANITARY SEWER LINE / STORM SEWER	MONITORING WELL
WATER LINE	WATER METER
WATER VALVE	BURIED TELEPHONE/FIBER OPTIC
PHYSICALLY CHALLENGED PARKING SPACE	GUARDRAIL
CLEAN OUT	OVERHEAD UTILITY LINE
CHAIN LINK FENCE	INTERIOR PROPERTY LINE
GAS METER	CBI CURB BOX INLET
WATER METER	DBI DROP BOX INLET
PROPOSED CONTOUR	TBM TEMPORARY BENCHMARK
EXISTING CONTOUR	EXISTING PLANTING
PROPOSED DRAINAGE ARROW	TPF TREE PROTECTION FENCE
	PROPOSED PLANTING

**UTILITY NOTE**

ALL UTILITIES ON THESE PLANS ARE APPROXIMATE. INDIVIDUAL SERVICE LINES ARE NOT SHOWN. THE CONTRACTOR OR SUBCONTRACTOR SHALL NOTIFY THE UTILITY PROTECTION CENTER KENTUCKY 811 (TOLL FREE PHONE NO. 1-800-752-8007 OR LOCAL NO. 502-268-5123) FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ON THIS PROJECT. THIS NUMBER WAS ESTABLISHED TO PROVIDE ACCURATE LOCATIONS OF EXISTING BELOW GROUND UTILITIES (I.E. CABLES, ELECTRIC WIRES, GAS & WATER LINES). WHEN CONTACTING THE KENTUCKY 811 CALL CENTER, PLEASE STATE THE WORK TO BE DONE IS FOR A PROPOSED MSD SEWER OR DRAINAGE FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING FAMILIAR WITH ALL UTILITY REQUIREMENTS SET FORTH ON THE PLANS AND IN THE TECHNICAL SPECIFICATIONS & SPECIAL PROVISIONS.

REVISIONS	SCALE:
	1"= 50'
	DRWN: KLV
	CKD: MAB
	DATE: MARCH 24, 2017

**VICINITY MAP**  
N.T.S.

**RECEIVED**  
MAR 27 2017  
DESIGN SERVICES

**DETAILED DISTRICT DEVELOPMENT PLAN**  
FOR  
**ORMSBY LANE SENIOR HOUSING**

ZONED R4, NEIGHBORHOOD FORM DISTRICT  
911-913 ORMSBY LANE  
LOUISVILLE, KY 40242  
TAX BLOCK 21 LOT 166, 362, 464  
DEED BOOK 9195, PAGE 43

OWNER:  
HENRY E. GOODBUB, JR. & TAMI D. GOODBUB  
6706 WILD FOX LANE  
LOUISVILLE, KY 40059

DEVELOPER:  
CLOVER DEVELOPMENT  
348 HARRIS HILL ROAD  
WILLIAMSVILLE, NEW YORK 14221

NO.  
**C-1**

WM #10761  
16 ZONE 1082