PROJECT CONTACT INFORMATION

OWNER:	Philip Estates, LLC 8150 159th Street Orland Park, IL 60462
LANDSCAPE ARCHITECT:	The JNL Design Group, Inc. 1955 Raymond Drive, #119 Northbrook, IL 60062 Tel: (224) 269-4290 Contact: Larry Dziurdzik
CSURVEYOR:	Edward J. Molloy & Associates, I 1236 Mark Street Bensenville, IL 60106 Tel: (630) 595-2600 Contact: Tom Molloy
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TOPOGRAPHIC SURVEY

TOPOGRAPHIC SURVEY AND BOUNDARY INFORMATION BY ATWELL-HICKS, DATEE OCTOBER 31, 2006. HELDWORK COMPLETED ON OUTOBER 13, 2000. NOTE: THE PROPERTY HAS NOT BEEN DISTURBED SINCE THE TOPOGRAPHIC SURVEY WAS COMPLETED, HOWEVER, A NEW TOPOGRAPHIC SURVEY SHALL BE PREPARED FOR USE DURING FINAL ENGINEERING.

SOURCE BENCHMARKS

LAKE COUNTY BENCHMARK 6-20A, BEING A CHISELED SQUARE ON TOP OF THE EAST END OF A CULVERT LOCATED AT THE NORTHEAST CORNER OF A DRIVEWAY AND EAST CUBA ROAD APPROXIMATELY 1.4 MILES WEST OF OLD MCHENRY ROAD. MEASURED NAVD 1988 DATUM ELEVATION = 740.41 (RECORD NGVD 1929 DATUM ELEVATION = 740.46)

LAKE COUNTY BENCHMARK 6-20, BEING A RAILROAD SPIKE IN THE NORTH FACE OF A UTILITY POLE ON SOUTH SIDE OF CUBA ROAD APPROXIMATELY 1.05 MILES WEST OF OLD MCHENRY ROAD AND BEING THE FIRST UTILITY POLE WEST OF CANTERBURY DRIVE. MEASURED NAVD 1988 DATUM ELEVATION = 756.38 (RECORD NGVD 1929 DATUM ELEVATION = 756.66)

SITE BENCHMARKS

BM #1: (SAME AS SOURCE BM 6-21 ABOVE. 1. NAVD 1988 ELEVATION = 756.38

BM#2: RAILROAD SPIKE IN FOURTH UTILITY POLE WEST OF CANTERBURY DRIVE ON THE SOUTH SIDE OF EAST CUBA ROAD. NAVD 1988 ELEVATION = 755.36

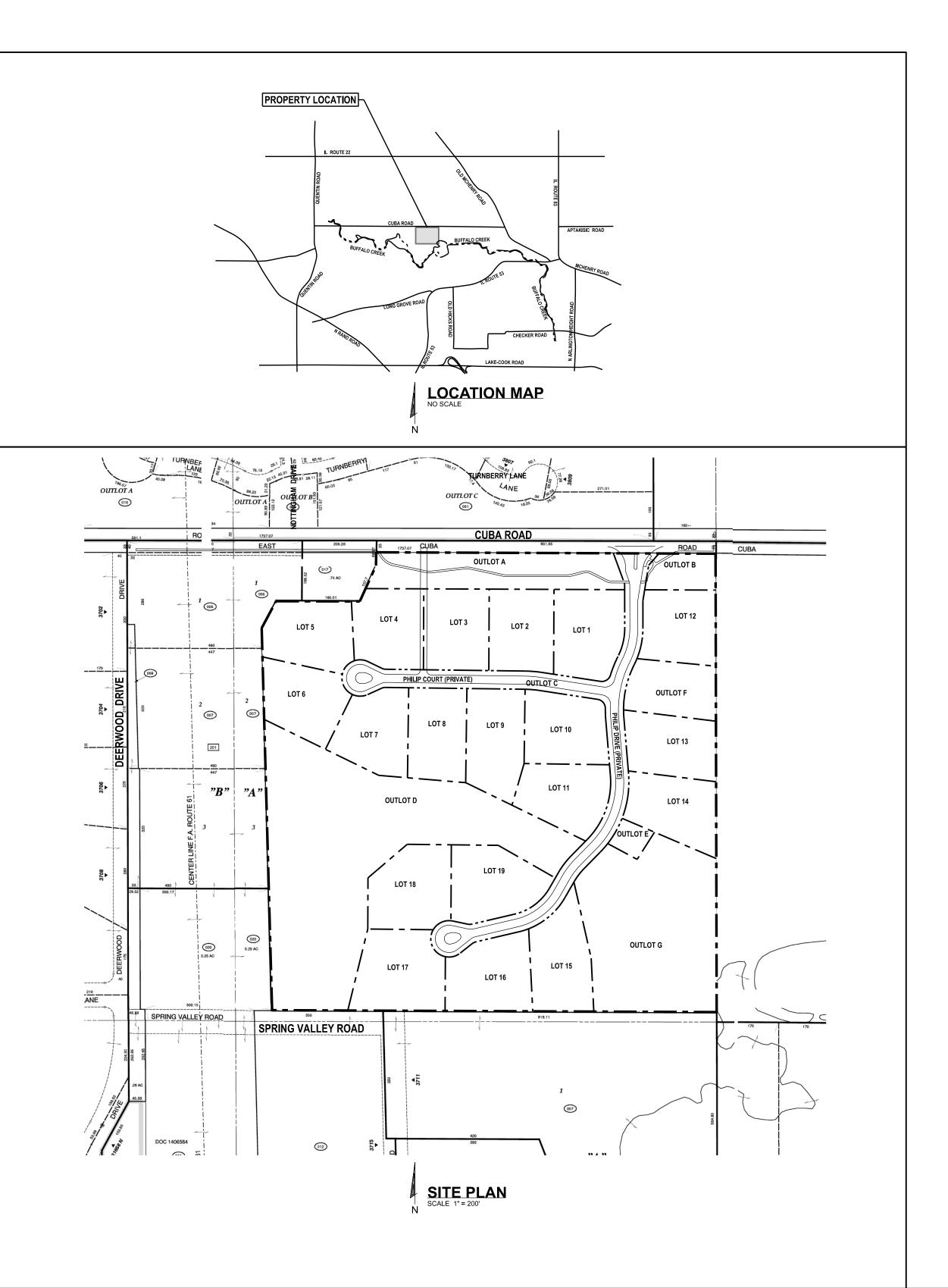
NOTE: ALL ELEVATIONS AND CONTOURS SHOWN HEREIN ARE ON THE NAVD 1988 DATUM.

LEGEND(PROPOSED):

- $\rightarrow \land$ SANITARY SEWER & MH
-)–••–)– STORM SEWER & MH
- YARD INLET
- - FLARED END SECTION W/RIPRAP FIRE HYDRANT Ť
- STREET LIGHT

PRELIMINARY ENGINEERING PLANS for PHILIP ESTATES SUBDIVISION **CUBA ROAD** LONG GROVE, ILLINOIS

CEAI PROJECT # 1291



Cross Engineering & Cross Engineering & Associates, Inc. 1955 Raymond Drive, Suite 119 Northbrook, IL 60062 Tel: 847/498-0800
PROJECT: PHILIP ESTATES SUBDIVISION CUBA ROAD, LONG GROVE, IL
PREPARED FOR: PREPARED FOR: PHILIP ESTATES, LLC PHILIP ESTATES, LLC 8150 W. 159th Street Orland Park, IL 60462
Image: Cross engineering & Associates, INC. © 2021
COVER SHEET
Page 1 of 6

PROJECT DESCRIPTION

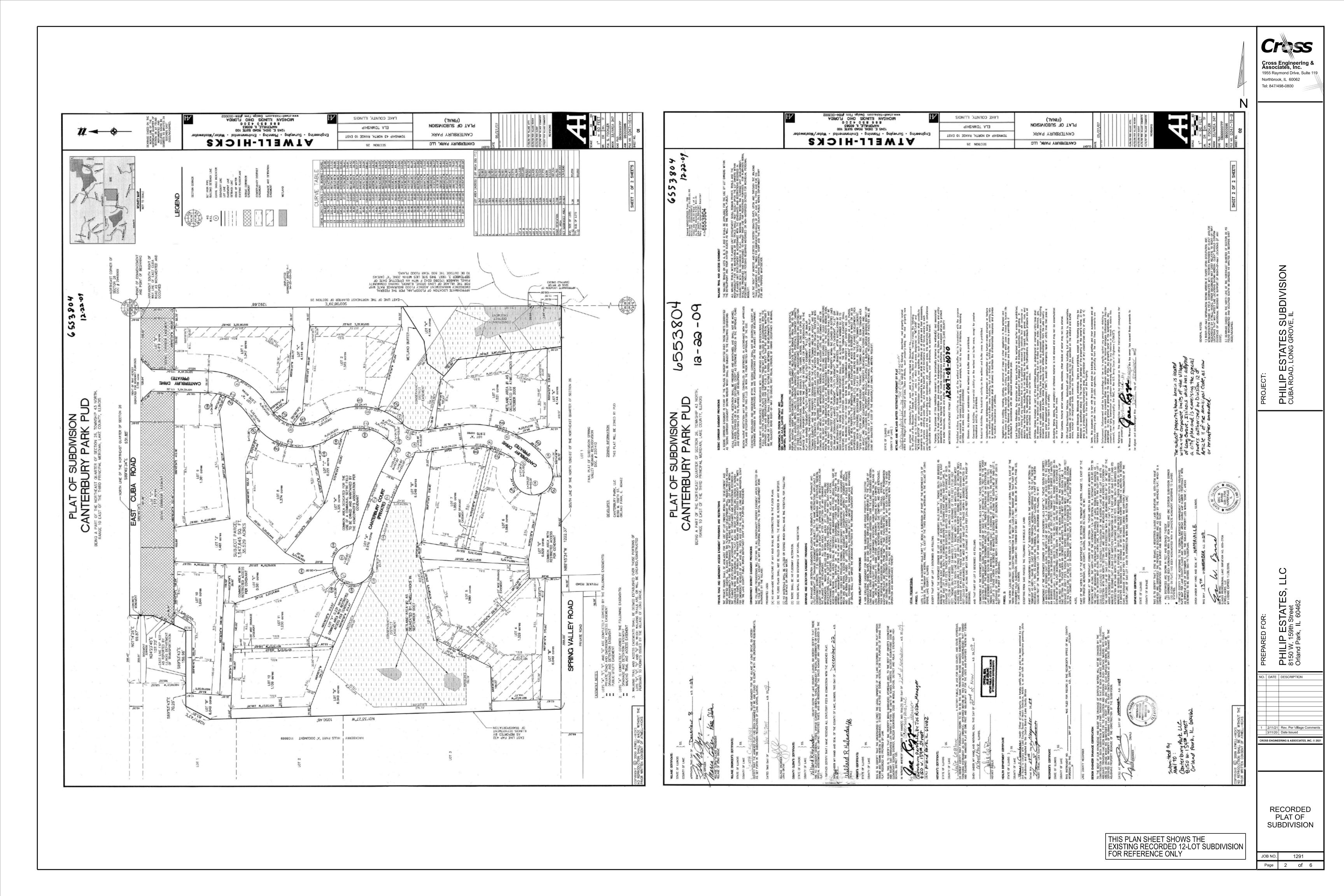
RE-SUBDIVIDING AN EXISTING 12-LOT SUBDIVISION THAT WAS TO BE SERVED WITH INDIVIDUAL WATER WELLS AND A PRIVATE COMMUNITY WASTEWATER SYSTEM. THE EXISTING SUBDIVISION WAS NEVER DEVELOPED. THE PROPOSED SUBDIVISION WILL HAVE 19 LOTS, AND WILL HAVE COUNTY WASTEWATER SERVICE AND WATER SUPPLY FROM AN ADJACENT PRIVATE WATER SUPPLY SYSTEM.

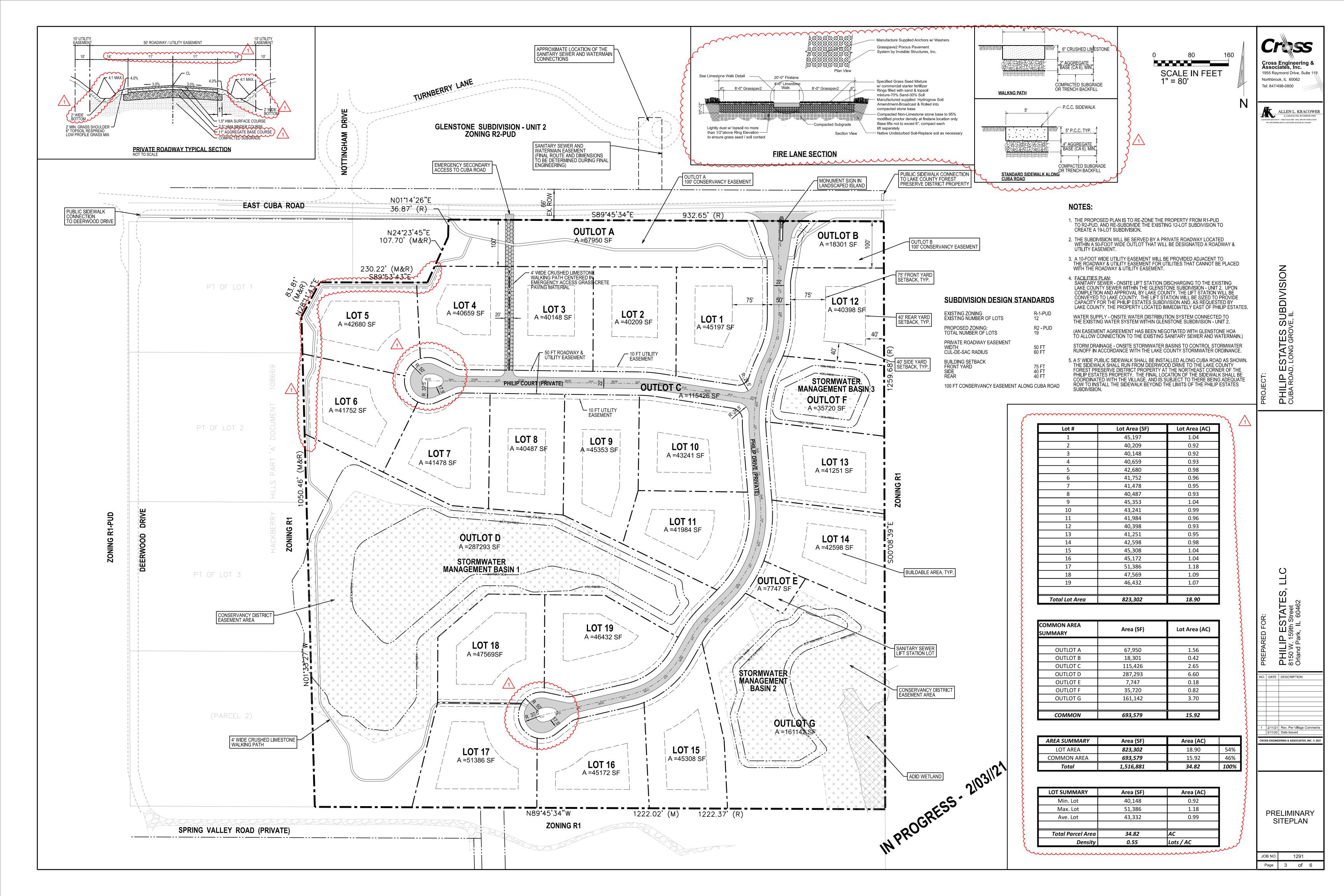
AN AGREEMENT HAS BEEN SIGNED BY THE GLENSTONE HOA TO ALLOW PHILIP ESTATES LLC TO CONNECT TO THE PRIVATE WATER SYSTEM AND ALSO PROVIDE UTILITY EASEMENTS TO CONNECT TO THE LAKE COUNTY SANITARY SEWER LOCATED WITHIN THE GLENSTONE SUBDIVISION.

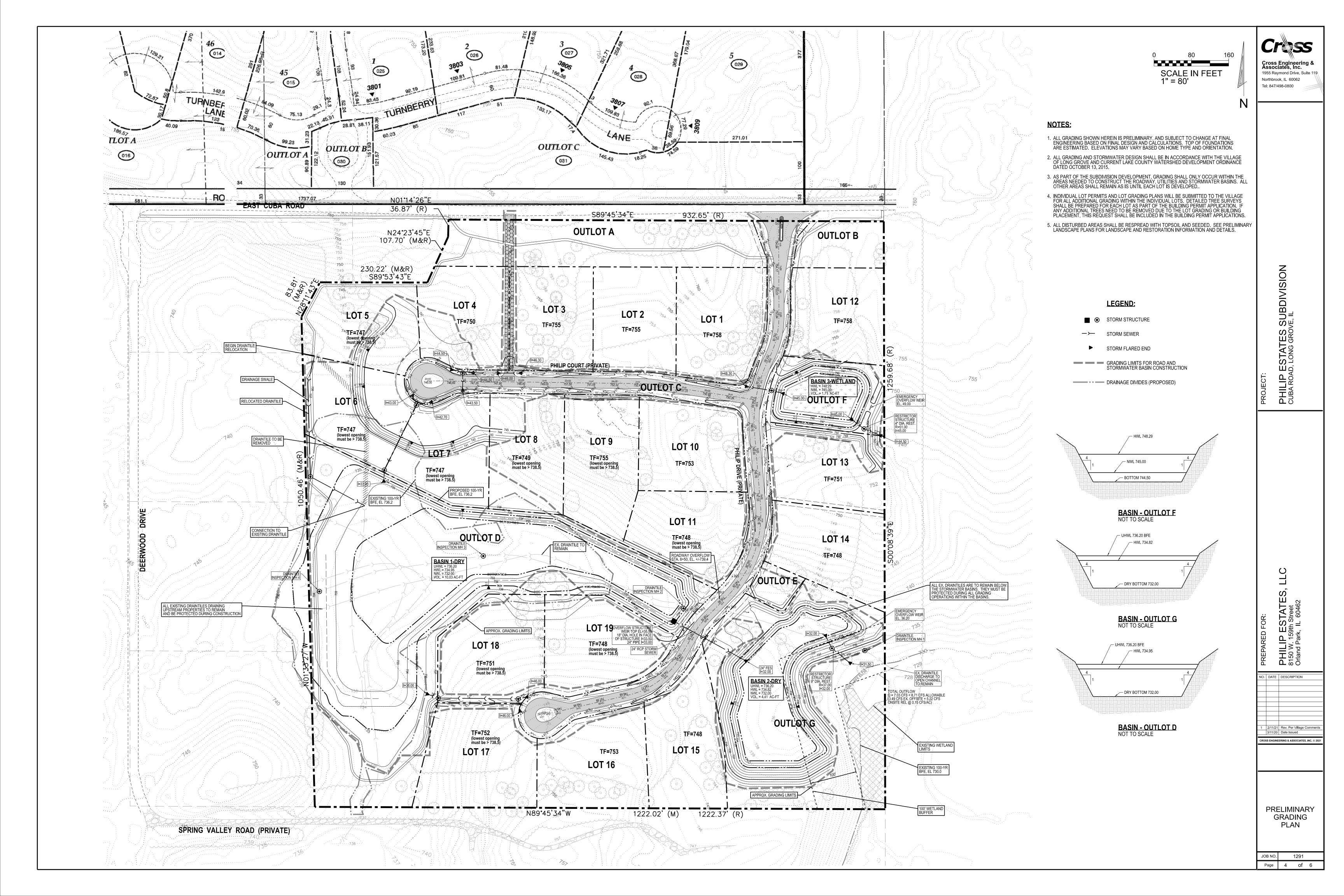
THE ONSITE WASTEWATER LIFT STATION HAS BEEN SIZED TO PROVIDE FUTURE SERVICE TO THE PROPERTY TO THE EAST OF THE PHILIP ESTATES SUBDIVISION AT THE REQUEST OF LAKE COUNTY PUBLIC WORKS.

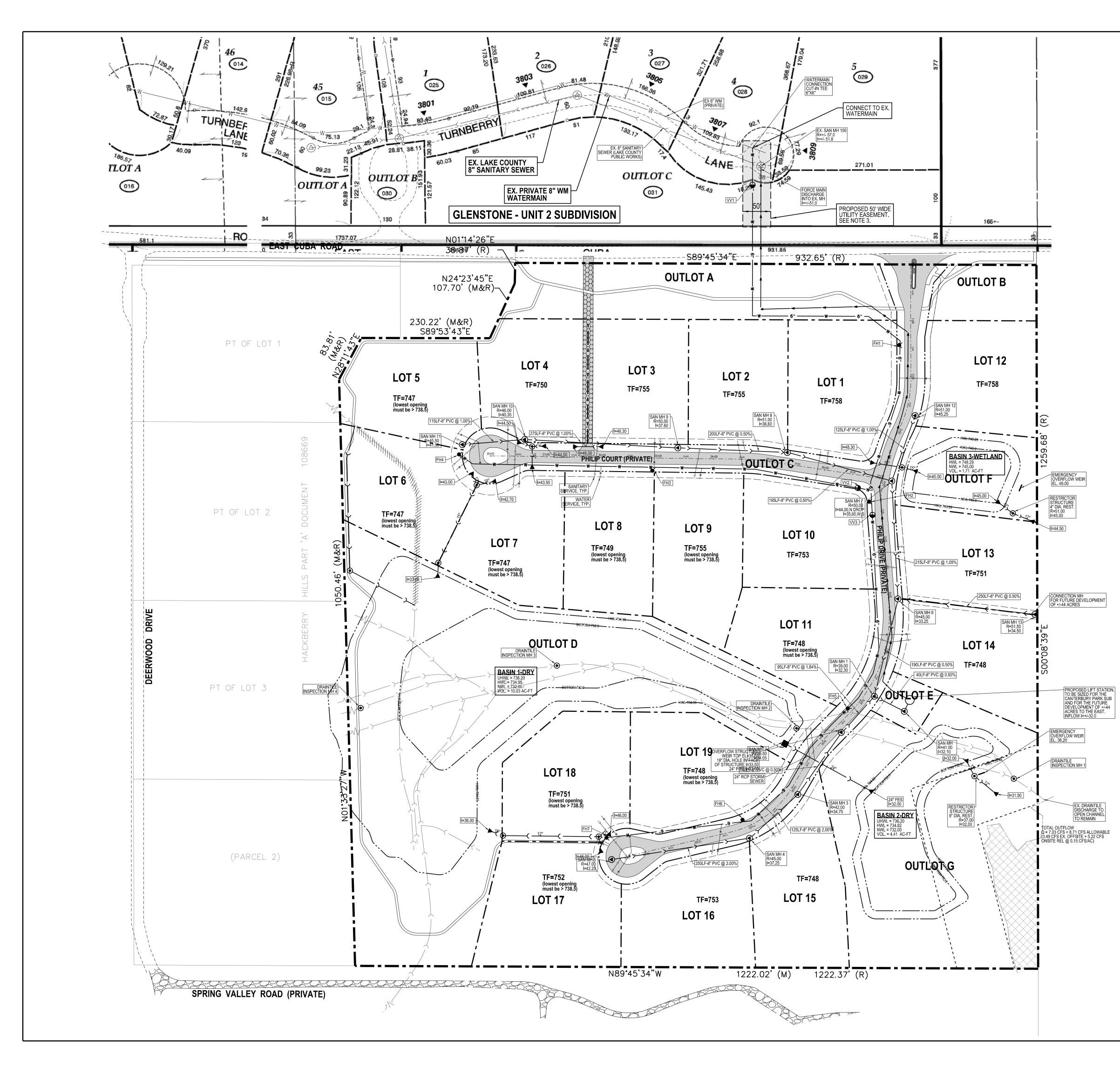
SHEET INDEX

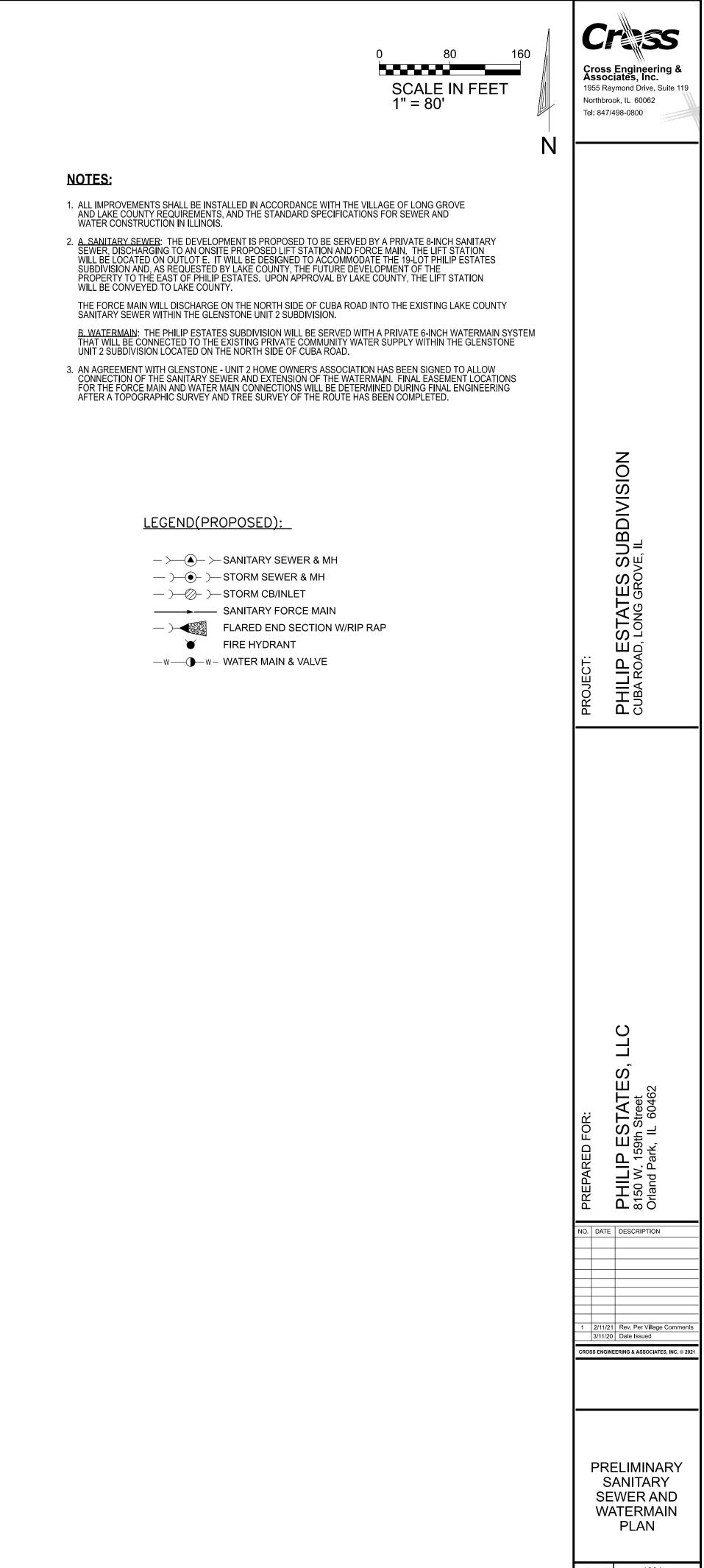
- COVER SHEET
- RECORDED PLAT OF SUBDIVISION
- PRELIMINARY SITE PLAN R2-PUD
- PRELIMINARY GRADING PLAN
- PRELIMINARY SANITARY SEWER AND WATERMAIN PLAN
- CONSERVANCY SOILS EXHIBIT



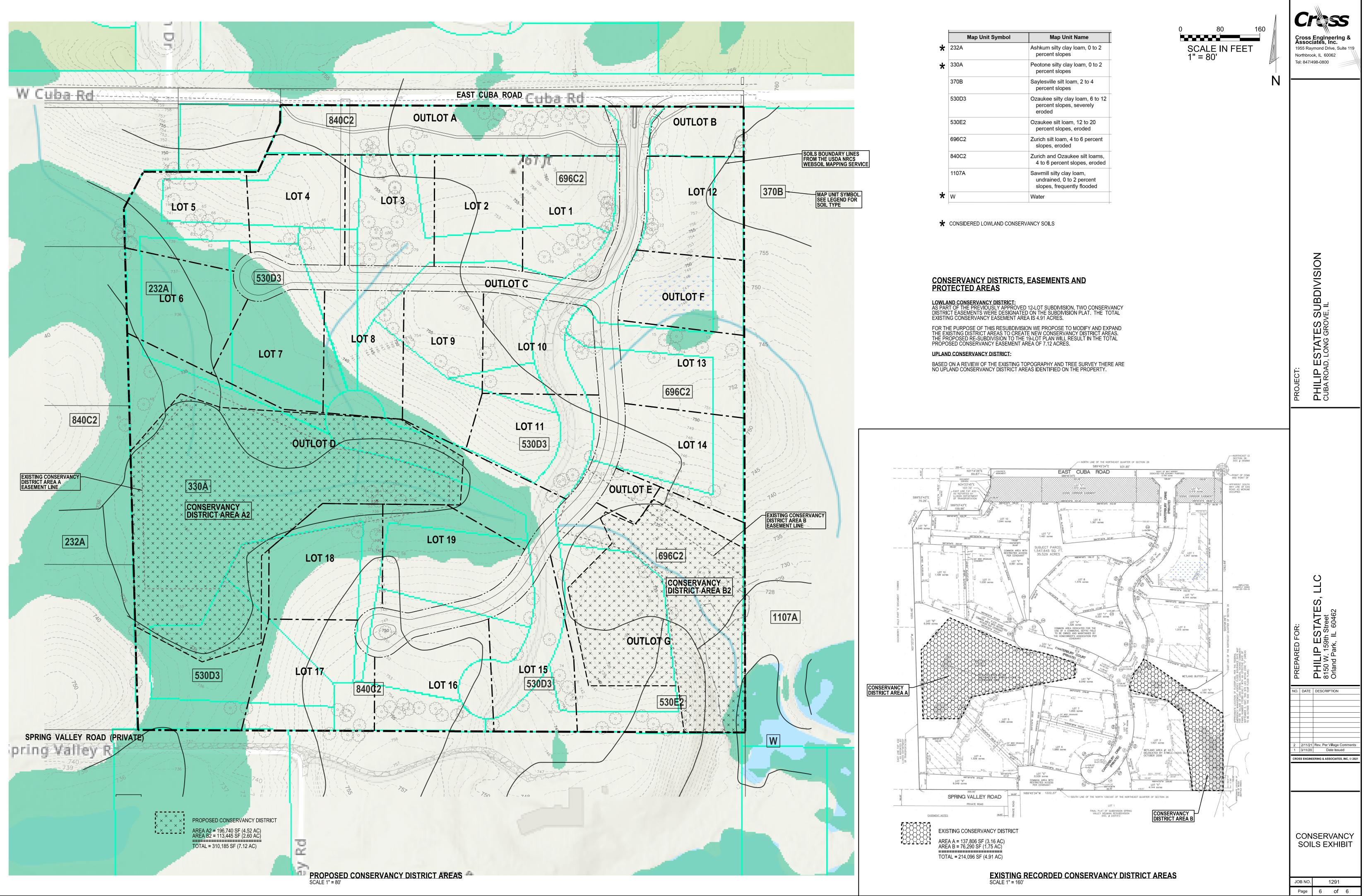








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Map Unit Symbol	Map Unit Name
232A	Ashkum silty clay loam, 0 to 2 percent slopes
330A	Peotone silty clay loam, 0 to 2 percent slopes
370B	Saylesville silt loam, 2 to 4 percent slopes
530D3	Ozaukee silty clay loam, 6 to 12 percent slopes, severely eroded
530E2	Ozaukee silt loam, 12 to 20 percent slopes, eroded
696C2	Zurich silt loam, 4 to 6 percent slopes, eroded
840C2	Zurich and Ozaukee silt loams, 4 to 6 percent slopes, eroded
1107A	Sawmill silty clay loam, undrained, 0 to 2 percent slopes, frequently flooded
W	Water