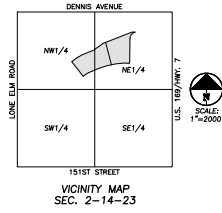
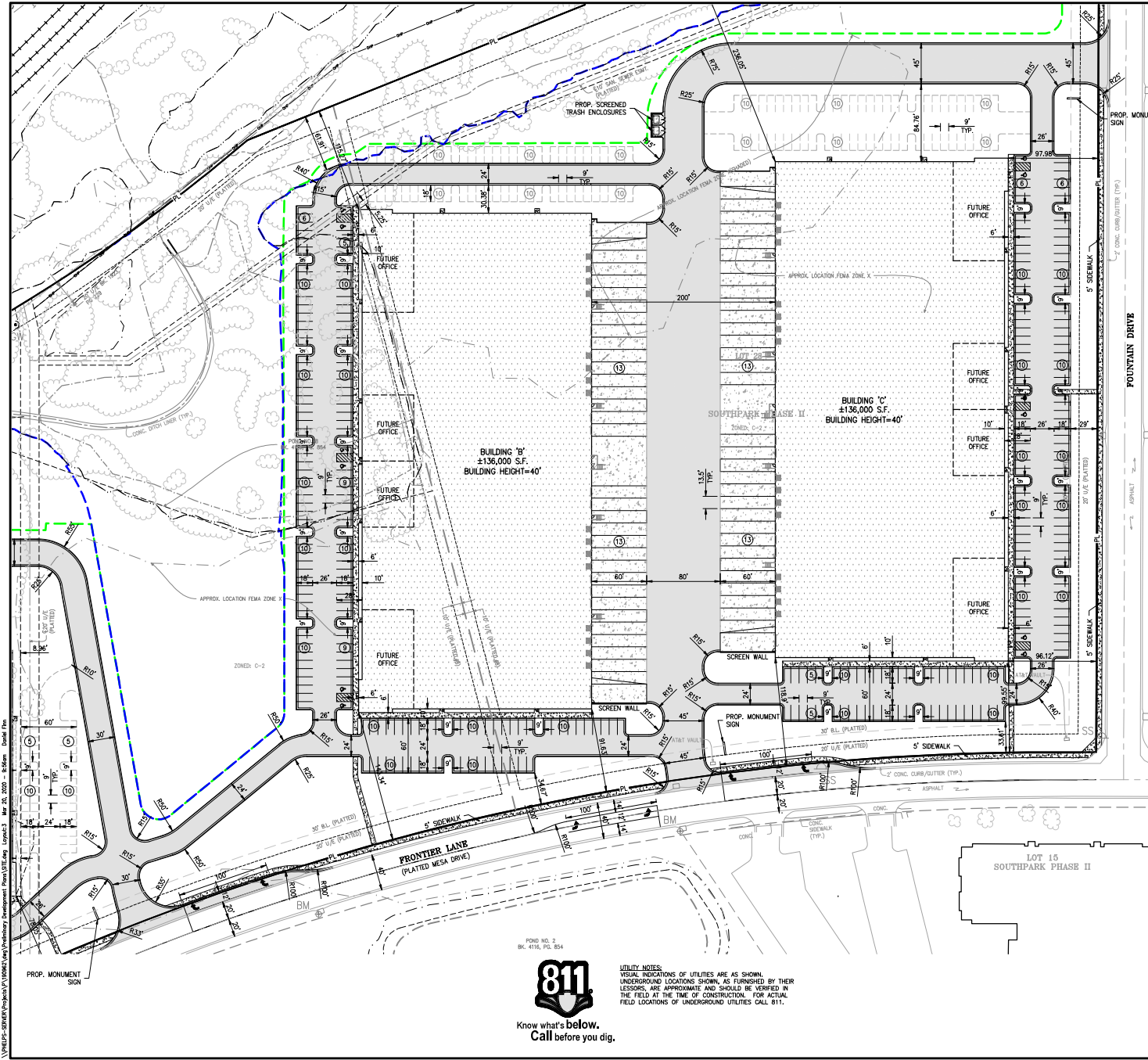


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C1.1

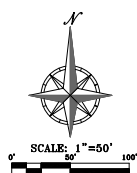


FLOOD NOTE:
A PORTION OF THIS PROPERTY LIES WITHIN ZONE X, DEFINED AS AREAS OF 0.2% ANNUAL CHANCE FLOOD. AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

THE REMAINDER OF THE PROPERTY LIES WITHIN ZONE X, DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON THE FLOOD INSURANCE RATE MAP PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FOR THE CITY OF OLATHE, COMMUNITY NO. 200713, JOHNSON COUNTY, KANSAS, MAP NO. 200910093G, AND DATED AUGUST 3, 2009.

- NOTE:**
1. ALL EXTERIOR GROUND MOUNTED AND ALL ROOFTOP BUILDING HVAC AND MECHANICAL EQUIPMENT VENTS, PIPING, ROOF ACCESS LADDERS, AND UTILITY METERS MUST BE LOCATED OUT OF VIEW OR OTHERWISE SCREENED FROM PUBLIC VIEW. SCREENING MUST BE ACCOMPLISHED WITH LANDSCAPING, SCREEN WALL, BUILDING ELEMENTS, OR A COMBINATION OF THESE METHODS.
 2. ALL NEW ON-SITE WIRING AND CABLES MUST BE PLACED UNDERGROUND.

- LEGEND**
- PL — PROPERTY LINE
 - LL — LOT LINE
 - R/W — RIGHT-OF-WAY
 - C/O — CURB & GUTTER
 - 6" — 6" CURB
 - B/L — BUILDING SETBACK LINE
 - P/S — PARKING SETBACK LINE
 - L/S — LANDSCAPE SETBACK LINE
 - HDA — HEAVY DUTY ASPHALT PAVEMENT
 - SDA — STANDARD DUTY ASPHALT PAVEMENT
 - PB — PROPOSED BUILDING
 - CP — CONCRETE PAVEMENT
 - CS — CONCRETE SIDEWALK
 - NV — NATIVE VEGETATION LIMITS
 - 100 — 100-YEAR FLOODPLAIN (PROPOSED)



811

Know what's below.
Call before you dig.

UTILITY NOTES:
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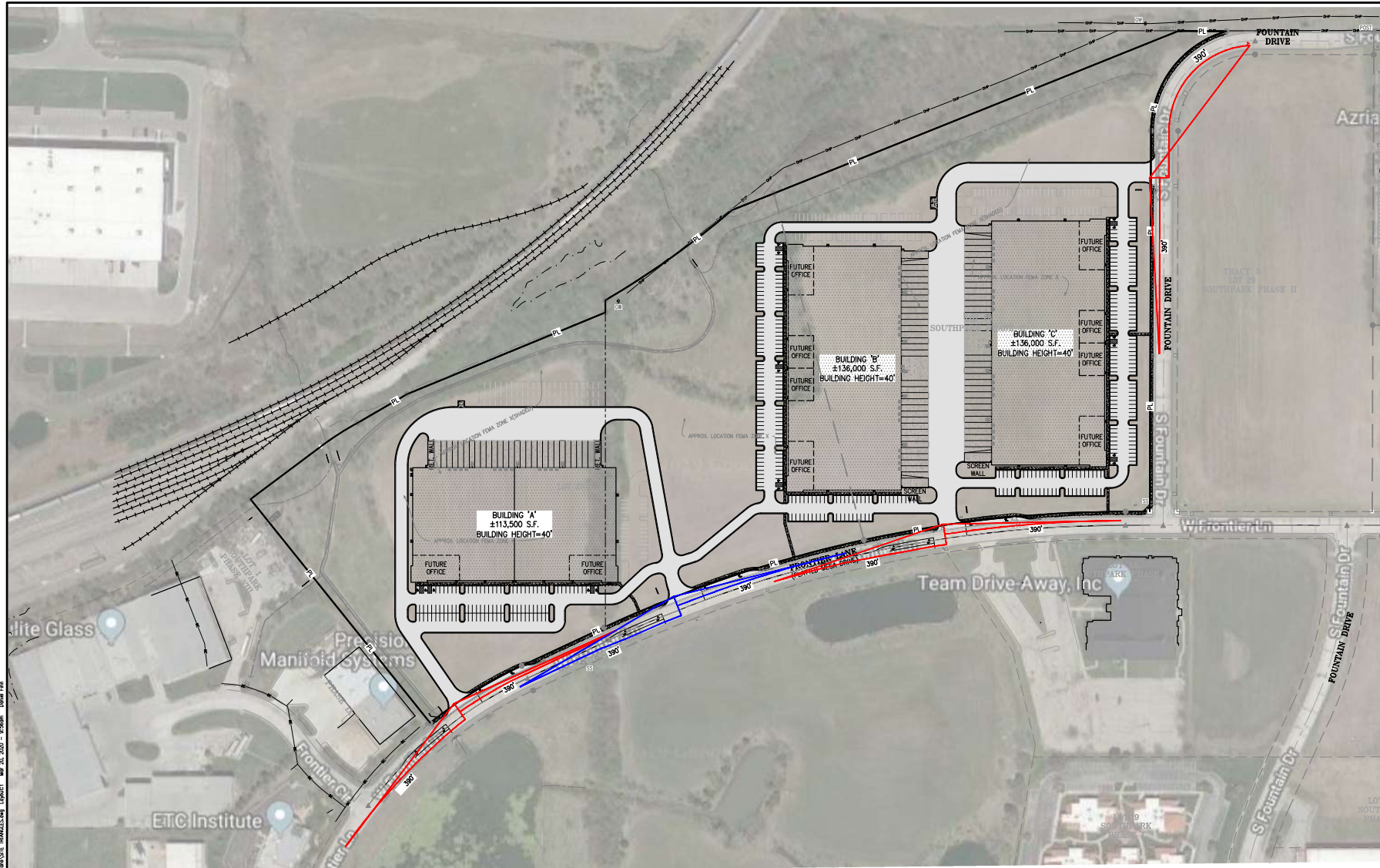
ENLARGED SITE PLAN
LOTS 27 & 28, SOUTHPARK PHASE II
CITY OF OLATHE, JOHNSON COUNTY, KANSAS

PROJECT NO. 190082
SHEET NO. 1
DATE: 08/11/2010
BY: JAC

REVISIONS:

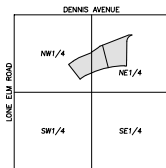
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Know what's below.
Call before you dig.

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FIELD LOCATIONS OF UNDERGROUND UTILITIES CALL 811.



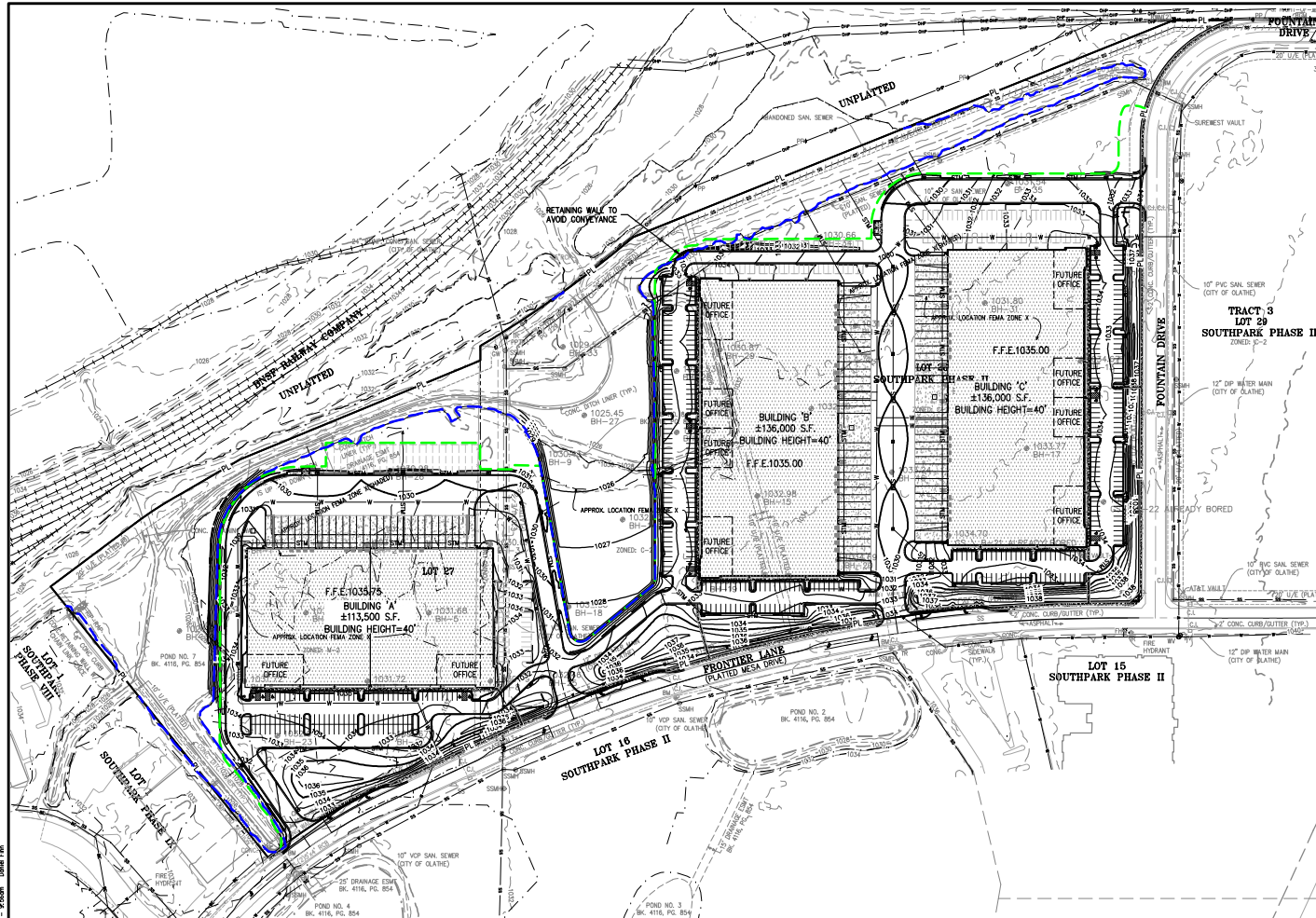
PHILIPS ENGINEERING INC.
1001 N. Webster
Olathe, Kansas 66041
(913) 766-1100
www.philipseng.com



SITE PLAN - AERIAL
LOTS 27 & 28, SOUTHPARK PHASE II
CITY OF OLATHE, JOHNSON COUNTY, KANSAS

PROJECT NO.	DATE	BY	APP.
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150004			
150005			
150006			
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150020			

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C1.3



- ### SITE GRADING NOTES:
- CONTOURS AND ELEVATIONS: Existing and proposed contours are shown on plans at one foot (1') contour intervals, unless otherwise noted. Proposed contours and elevations shown represent approximate final grade. Contractor shall field check subgrades to allow for pavement and sub-base thicknesses.
 - If the contractor does not accept existing topography as shown on the plans, without exception, he shall have made of his own, a topographic survey by a registered land surveyor and submit it to the owner for review.
 - CLEARING AND GRUBBING: Prior to beginning preparation of subgrade, all areas under pavements or building shall be stripped of all topsoil, vegetation, large rock fragments (greater than 6 inches in any dimension) and any other deleterious material. The actual stripping depth should be based on visual examination during construction and the results of proof-rilling operations. The root systems of all trees (not designated to remain) shall be removed in their entirety. Stripping materials shall not be incorporated into structural fill.
 - TOPSOIL STRIPPING: Prior to the start of site grading, the contractor shall strip all topsoil from areas to be graded, and stockpiled at a location on or adjacent to the site as directed by the owner. At completion of grading operations and related construction, the contractor shall be responsible for redistribution of topsoil over all areas disturbed by the construction activities. Topsoil shall be placed to a minimum depth of six inches (6") and in accordance with specifications for landscaping. At that time, and prior to the installation of landscaping or irrigation, all topsoil graded areas shall be closely inspected and accepted by the owner and ILL.
 - Contractor shall adjust and/or add existing pavement as necessary to ensure a smooth fit and continuous grade. Contractor shall ensure positive drainage away from buildings for all future and present uses.
 - SUBGRADE PREPARATION: Prior to placement of new fill material, the existing subgrade shall be protected and approved under the direction of the Geotechnical Engineer or his representative.
 - PROOFROLLING: Subsequent to completion of stripping and over-excavation, all building and pavement areas to receive engineered fill should be systematically proof-rolled using a tandem axle dump truck loaded to approximately 20,000 pounds per axle. Also, any finished subgrade areas to receive paving shall be proof-rolled within 48 hours of paving. Unsuitable soils that are detected and that can not be recompacted should be over-excavated and replaced with controlled structure fill.
 - EARTHWORK:
 - GEOTECHNICAL: All earthwork shall conform to the recommendations of the Geotechnical report. Solid report and its recommendations are hereby incorporated into the project requirements by reference. Prior to beginning construction, the contractor shall obtain a copy of and become familiar with the geotechnical report. Unless specifically noted on the plans, the recommendations in the geotechnical report are hereby incorporated into the project requirements and specifications.
 - SURFACE WATER: Surface water shall be intercepted and diverted during the placement of fill.
 - FILLS: All fill shall be contained contained or structural fill and be free of vegetation, organic material, topsoil and debris. In areas where the thickness of the engineered fill is greater than five feet, balled and cement construction should not commence until as authorized by the on-site geotechnical engineer to allow for consolidation.
 - BUILDING SUBGRADE: As specified in the Geotechnical Engineering Report, the upper surface of building subgrade shall consist of Low Volume Change (LVC) material defined and approved, compacted granular fill or low to moderate plasticity cohesive soil materials stabilized with Class C Flyash. Granular fill shall consist of compacted granular materials with a maximum particle size of two (2) inches or less, such as limestone screenings. Refer to geotechnical report for complete requirements.
 - EXISTING SLOPES: Where fill material is to be placed on existing slopes greater than 1:1 (horizontal to vertical), existing slopes shall be bench graded to a minimum vertical face of twelve inches (12"). The benches should be cut wide enough to accommodate the compactation equipment. Fill material shall be placed and compacted in horizontal lifts not exceeding five inches (5") (loose fill measurement). Unless otherwise approved by the Geotechnical Engineer.
 - COMPACTION REQUIREMENTS: The upper 9 inches of pavement subgrade areas shall be compacted to a minimum density of ninety-five percent (95%) of the material's maximum dry density as determined by ASTM D698 (Standard Proctor Compaction). The moisture content at the time of placement and compaction shall be within a range of 0.5% below to 0.5% above optimum moisture content as defined by the standard proctor compaction procedure. The moisture contents shall be maintained within this range until completion of the work. Where compaction of earth fill by a large roller is impractical or uneconomical, the earth fill shall be hand compacted with small vibrating rollers or mechanical tampers.
 - All cut or fill slopes shall be 3:1 or flatter. All embankment parking areas shall be a minimum of 18' slope but not more than 5% slope unless otherwise noted. All pavements within ADA parking areas shall not exceed 2% total slope. All grades around buildings shall be laid down 6" from building base and slope away another 6" in 10 feet. Contractor shall notify engineer prior to final subgrade construction of any areas not within this slope requirement.
 - TESTING AND INSPECTION: Owner's Independent Testing Laboratory (ITL) shall make tests of earthwork during construction and observe the placement of fill and other work performed on this project to verify that work has been completed in accordance with Geotechnical Engineering Report, Project Specifications and within industry standards. The ITL will be selected by the owner and the cost of testing will be the owner's responsibility.
 - CLASSIFICATION: All excavation shall be considered unclassified. No separate or additional payments shall be made for rock excavation.
 - PERMANENT RESTORATION: All areas disturbed by earthwork operations shall be seeded, unless otherwise shown by the landscaping plan or erosion control plan.
 - UTILITIES: The contractor is specifically cautioned that the location and/or elevation of existing utilities shown on these plans is based on records of the various utility companies, and where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility companies at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to locate all existing utilities which conflict with the proposed improvements shown on the plans.
 - LAND DISTURBANCE: The contractor shall adhere to all terms & conditions as outlined in the EPA or applicable state N.P.D.E.s. permit for storm water discharge associated with construction activities. Refer to project S.W.P.F.P. requirements.

Earthwork Summary

2/17/2020

Raw Excavator	32,799 Cu. Yds.
In Place Compaction (+25%)	-75,646 Cu. Yds.
Pavement Adjustment	14,550 Cu. Yds. (assume 12" of additional excavation)
Building Adjustment	28,333 Cu. Yds. (assume 24" of additional excavation)
On Site Net	2,037 Cu. Yds.
Area	19 acres
Adjustment to balance	0.07 ft.

LEGEND

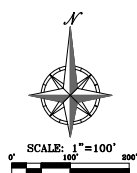
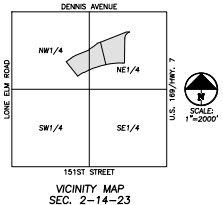
— PL —	PROPERTY LINE
— LL —	LOT LINE
— R/W —	RIGHT-OF-WAY
— 2' CURB & GUTTER	
— EXISTING CONTOURS	
— PROPOSED CONTOURS	
— PROPOSED SPOT ELEVATION	
— LG —	UP OF GUTTER
— TO —	TOP OF CURB
— SW —	SIDEWALK
— MCH —	MATCH EXISTING
— HP —	HIGH POINT
— P —	TOP OF PAVEMENT
— TS —	TOP OF STRUCTURE
— OR —	GROUND ELEVATION
— BS —	BOTTOM OF STEPS
— TS —	TOP OF STEPS
— BW —	BOTTOM OF WALL
— TW —	TOP OF WALL
— EXISTING STORM SEWER	
— PROPOSED STORM PIPE	
— PROPOSED MET CURB & GUTTER	
— PROPOSED DET CURB & GUTTER	
— PROPOSED RETAINING WALL	
— NATIVE VEGETATION LIMITS	
— 100-YEAR FLOODPLAIN (PROPOSED)	

FLOOD NOTE:

A PORTION OF THIS PROPERTY LIES WITHIN ZONE (SHADED), DEFINED AS AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

THE REMAINDER OF THE PROPERTY LIES WITHIN ZONE X, DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON THE FLOOD INSURANCE RATE MAP PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FOR THE CITY OF OLATHE, COMMUNITY NO. 200173, JOHNSON COUNTY, KANSAS, MAP NO. 20091020035, AND DATED AUGUST 3, 2009.

- ### BENCHMARK
- VERTICAL DATUM = NAVD83 BASED ON GPS OBSERVATION USING JOHNSON COUNTY VERTICAL NETWORK BM4647 - 2" ALUM. DISK AT SOUTHEAST CORNER OF ROB HEADWALL, SOUTH SIDE OF FRONTIER LANE AT SOUTHWEST CORNER OF LOT 27, SOUTHPARK PHASE II. ELEVATION = 1032.62.
- SET "1" CUT IN CENTER FRONT FACE OF CURB INLET EAST SIDE OF FOUNTAIN DRIVE 2ND CURB INLET NORTH OF FRONTIER LANE. ELEVATION = 1032.26
 - SET "1" CUT NORTHWEST CORNER OF CURB INLET WEST SIDE OF FOUNTAIN DRIVE AND CURVE AT NORTHEAST CORNER LOT 28 SOUTHPARK PHASE II. ELEVATION = 1032.85
 - SET "1" CUT SOUTHWEST CORNER OF CURB INLET SOUTH SIDE OF FRONTIER LANE 1ST CURB INLET WEST OF FOUNTAIN DRIVE. ELEVATION = 1034.51
 - SET "1" CUT SOUTHWEST CORNER OF CURB INLET SOUTH SIDE OF FRONTIER LANE 2ND CURB INLET WEST OF FOUNTAIN DRIVE. ELEVATION = 1032.41
 - SET "1" CUT NORTHEAST CORNER OF ROB HEADWALL NORTH SIDE FRONTIER LANE SOUTHWEST CORNER OF LOT 27 SOUTHPARK PHASE II. ELEVATION = 1032.55



UTILITY NOTES:
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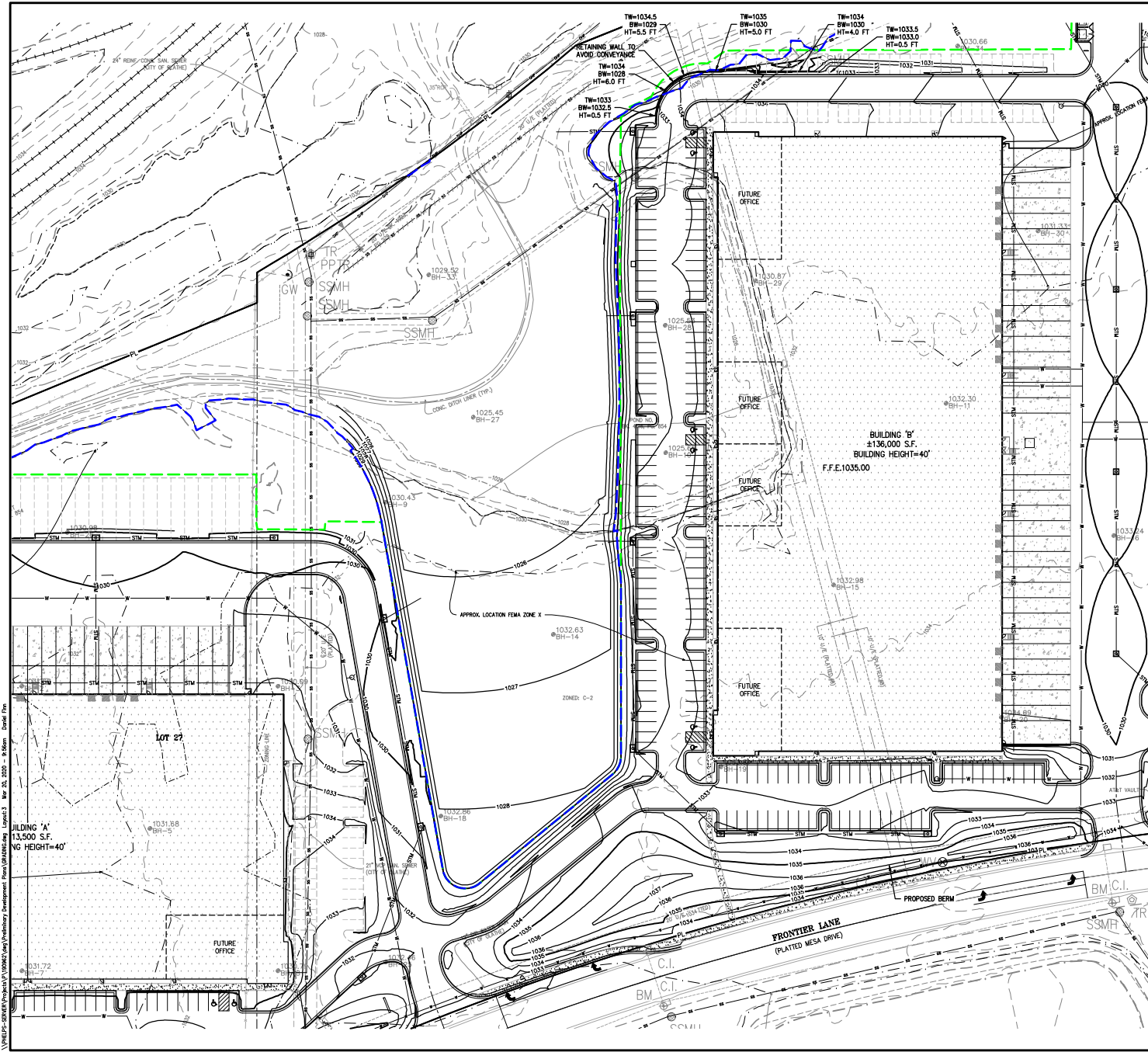
**PLANNING
IMPLEMENTATION**

GRADING PLAN
LOTS 27 & 28, SOUTHPARK PHASE II
CITY OF OLATHE, JOHNSON COUNTY, KANSAS

PROJECT NO. 150062	No.	Date	Revisions	By	App.
DATED: 11-25-2006 SHH					
CHECKED: DMF IMPROVED JOE					
DATE: 11-25-2006					
DESIGNED BY: J. H. HARRIS					
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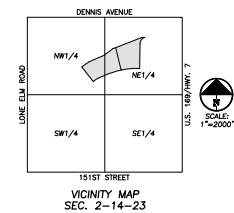
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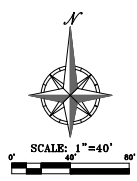


811
Know what's below.
Call before you dig.

UTILITY NOTES:
VISUAL INDICATIONS OF UTILITIES ARE AS SHOWN.
UNDERGROUND LOCATIONS SHOWN, AS FURNISHED BY THEIR
LESSORS, ARE APPROXIMATE AND SHOULD BE VERIFIED IN
THE FIELD AT THE TIME OF CONSTRUCTION. FOR ACTUAL
FIELD LOCATIONS OF UNDERGROUND UTILITIES CALL 811.



- LEGEND**
- PL PROPERTY LINE
 - LL LOT LINE
 - R/W RIGHT-OF-WAY
 - 2' CURB & GUTTER
 - EXISTING CONTOURS
 - PROPOSED CONTOURS
 - PROPOSED SPOT ELEVATION
 - LG UP OF GUTTER
 - TO TOP OF CURB
 - SW SIDEWALK
 - MS MATCH EXISTING
 - HP HIGH POINT
 - LP LOW POINT
 - P TOP OF PAVEMENT
 - VE TOP OF STRUCTURE
 - OR GROUND ELEVATION
 - RS BOTTOM OF STUPE
 - TS TOP OF STEPS
 - BW BOTTOM OF WALL
 - TW TOP OF WALL
 - EXISTING STORM SEWER
 - PROPOSED STORM PIPE
 - PROPOSED MET CURB & GUTTER
 - PROPOSED DRY CURB & GUTTER
 - PROPOSED RETAINING WALL
 - NATIVE VEGETATION LIMITS
 - 100-YEAR FLOODPLAIN (PROPOSED)



PHILLIPS ENGINEERING, INC.
3001 N. Westchase
Olathe, Kansas 66061
(913) 765-1100
www.phillipsengr.com

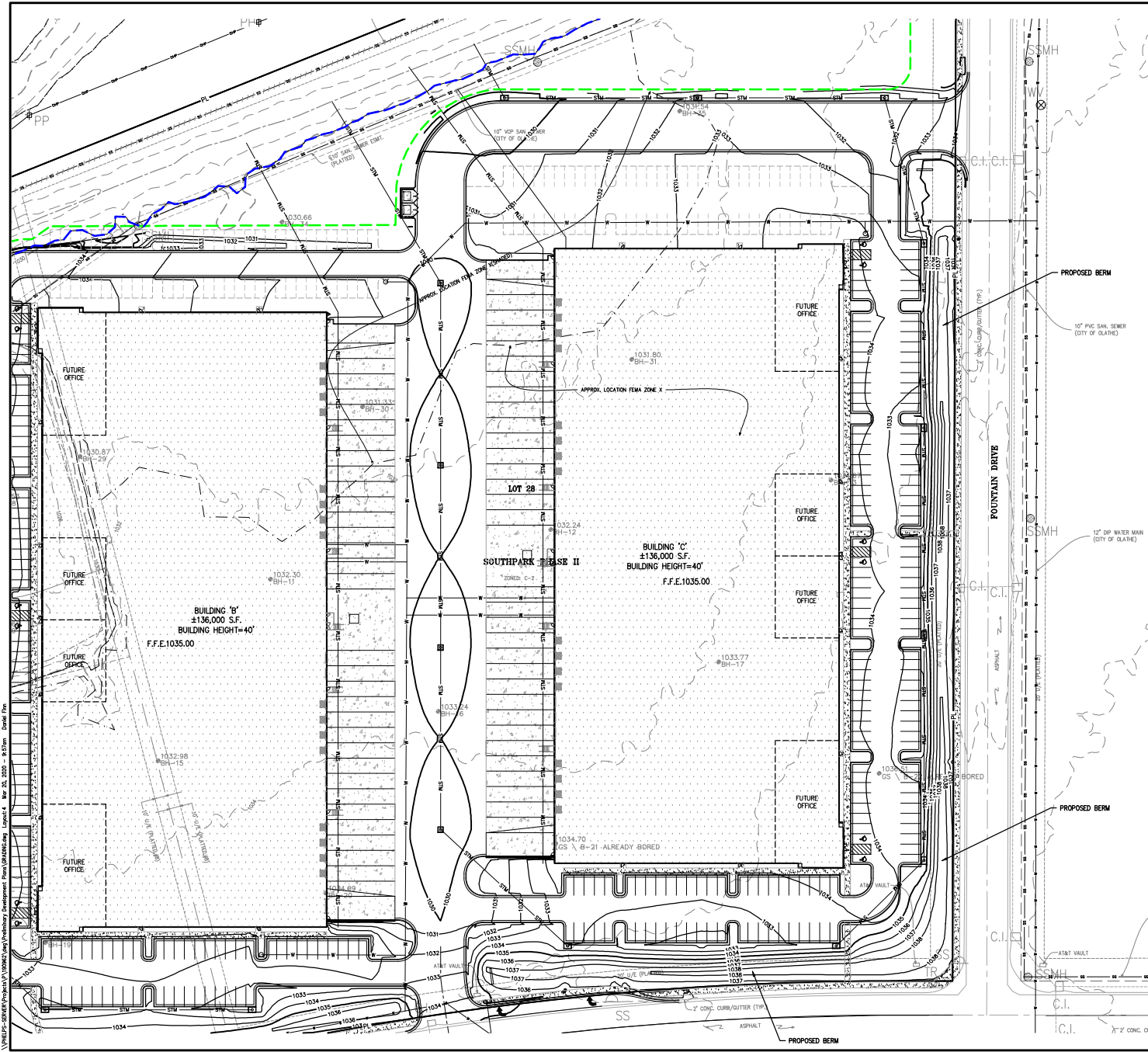
PLANNING
ENGINEERING
IMPLEMENTATION

PH

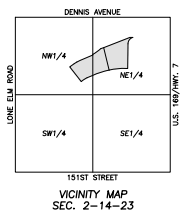
ENLARGED GRADING PLAN
LOTS 27 & 28, SOUTHPARK PHASE II
CITY OF OLATHE, JOHNSON COUNTY, KANSAS

PROJECT NO.	150002
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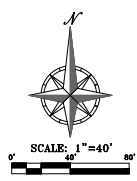
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UTILITY NOTES:
 VISUAL INDICATIONS OF UTILITIES ARE AS SHOWN. UNDERGROUND LOCATIONS SHOWN, AS FURNISHED BY THEIR LESSORS, ARE APPROXIMATE AND SHOULD BE VERIFIED IN THE FIELD AT THE TIME OF CONSTRUCTION. FOR ACTUAL FIELD LOCATIONS OF UNDERGROUND UTILITIES CALL 811.



- LEGEND**
- PL PROPERTY LINE
 - LL LOT LINE
 - R/W RIGHT-OF-WAY
 - 2' CURB & GUTTER
 - EXISTING CONTOURS
 - PROPOSED CONTOURS
 - PROPOSED SPOT ELEVATION
 - LG LG UP OF GUTTER
 - TS TOP OF STRUCTURE
 - SW SIDEWALK
 - ME MEASUREMENT
 - HP HIGH POINT
 - LP LOW POINT
 - P TOP OF PAVEMENT
 - VE VEGETATION
 - OR ORIGIN ELEVATION
 - GS GROUND SURFACE
 - TS TOP OF STEPS
 - BM BOTTOM OF WALL
 - TM TOP OF WALL
 - EXISTING STORM SEWER
 - PROPOSED STORM PIPE
 - PROPOSED MET CURB & GUTTER
 - PROPOSED DRY CURB & GUTTER
 - PROPOSED RETAINING WALL
 - NATIVE VEGETATION LIMITS
 - 100-YEAR FLOODPLAIN (PROPOSED)

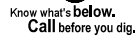


ENLARGED GRADING PLAN LOTS 27 & 28, SOUTHPARK PHASE II CITY OF OLATHE, JOHNSON COUNTY, KANSAS

PROJECT NO. 150082
 SHEET NO. C2.3
 DATE: 08/11/2010
 DRAWN BY: J. H. HARRIS
 CHECKED BY: J. H. HARRIS
 APPROVED BY: J. H. HARRIS



SHEET
C2.3



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- VICINITY MAP
-
- SEC. 2-14-23



SHEET
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