Ford Motor Company plans to bring electric zero-emission vehicles at scale to American customers with the largest, most advanced, most efficient auto production complex in its 118-year history. As proposed, the Blue Oval SK (BOSK) Battery Park 631-acre campus will highlight two (2) lithium-ion battery manufacturing facilities that are over 4,000,000 square feet each (herein referred to as battery plants GE2 and TE1-2). The campus will also feature several auxiliary buildings to support both administrative and process related functions. In total, over two dozen support facilities totaling in excess of 600,000 square feet will be constructed to support administration, employee services, security, process, utilities, and storage as illustrated on the Engineer's drawings included as **Attachment B.2**.

The campus will be served by a network of roads with primary access from KY-222 on the north and a secondary access from Gilead Church Road at the south. Daily employee traffic is planned for 800 employees per battery plant, per work shift, with 2 work shifts scheduled per day. An additional 500 employees are forecasted to support administrative, employee support, and other non-manufacturing programs. A series of parking lots with approximately 3,500 parking spaces will support first shift operations and planned overlap of employee population during work shift changes. To support manufacturing, trucking logistics for shipping and receiving is anticipated to be approximately 300 trucks per day over a 24-hour period when manufacturing reaches full production.

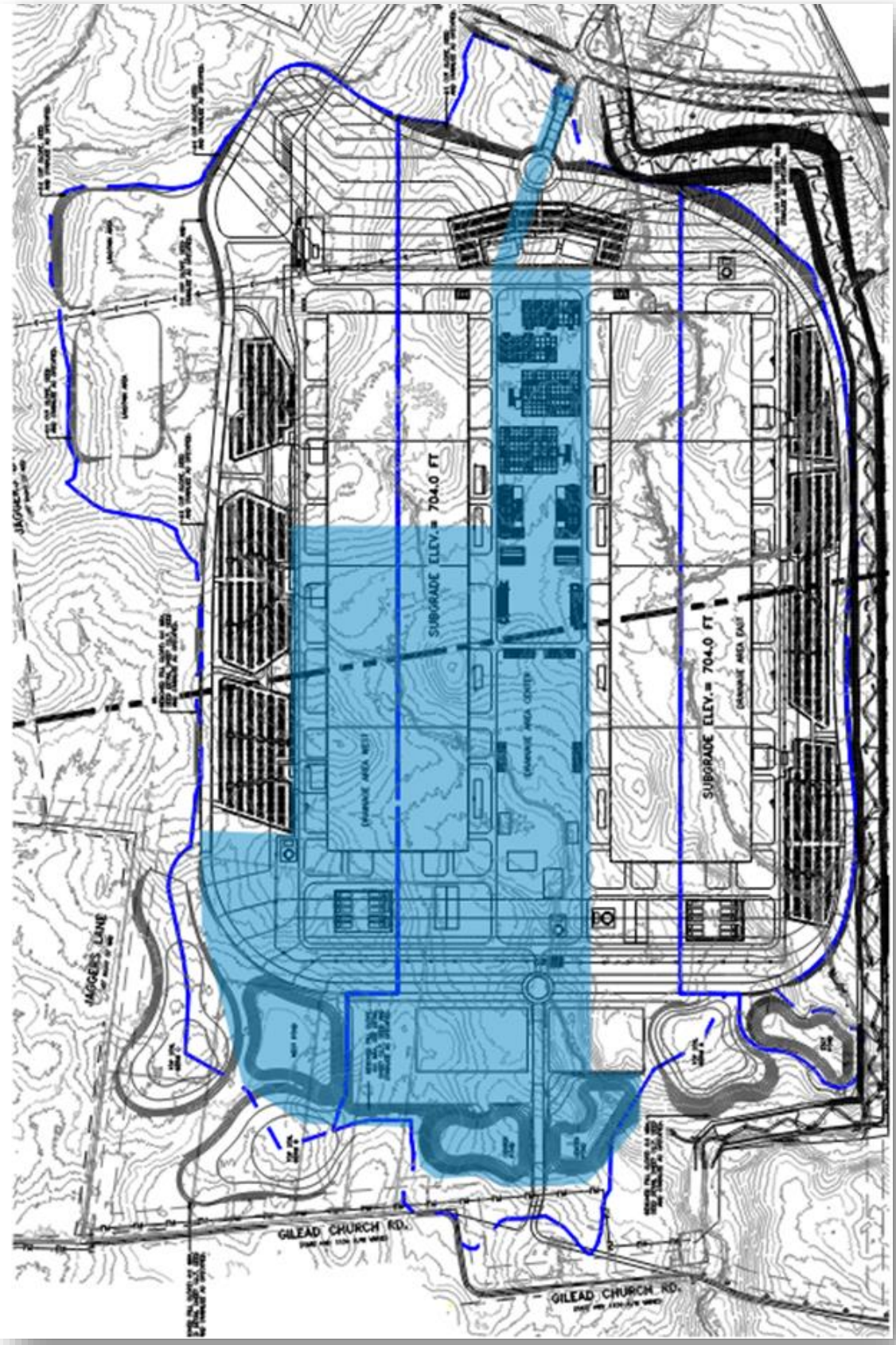
The project will be built in Phases with GE2 along with the buildings that support it constructed first. TE1-2 will begin approximately 6-8 months after commencement of GE2. Initial on-site activity will consist of tree cutting in advance of issuance of the Department of Army permit as authorized by the U.S. Fish and Wildlife Service (*See* **Attachments E.4** and **E.7**). As such, special care will be taken to prevent impact to jurisdictional water resources and previously identified Phase II archaeological sites. Tree Cutting will be limited to tree felling with 36" to 48" of stump left in place. Wetlands and archaeological sites will be staked, flagged, and located with GPS prior to the initiation of any clearing activity. Mechanical tree felling methods will only be employed outside wetland and Phase II archaeological sites boundaries, and best management practices (BMPs), including the enforcement of a Streamside Management Zone (SMZ), will be employed to prevent erosion and debris from tree felling activities from entering streams.

Upon receipt of authorization from the USACE and Kentucky Division of Water, temporary erosion and sediment control measures will be installed prior to the commencement of mass grading of the site and GE2 building pad. The excess material coming from the cut on-site within the ponds and the GE2 building pad will be used as fill to build a temporary berm to help protect the existing streams and wetlands to the East. A silt fence will also be installed to the east of that berm for further protection. The max acreage to be disturbed at one time will be limited to 200 acres as illustrated in **Figure 1**, page 2.

PROJECTED CONSTRUCTION SCHEDULE

- Commencement of Tree Cutting 01/31/22
- Erosion and Sediment Control / Land Preparation / Mass Grading Upon Receipt of USACE and KDOW Authorization
- GE2 Construction Start 08/01/22
- GE2 Construction Complete 10/23/24
- TE1-2 Construction Start 02/17/23
- TE1-2 Construction Complete 03/12/25

Figure 1


SUBGRADE ELEV.= 704.0 FT
SUBGRADE ELEV.= 704.0 FT
DRAINAGE AREA WEST
DRAINAGE AREA CENTER
DRAINAGE AREA EAST
JAGGERS LANE
GILEAD CHURCH RD.
GILEAD CHURCH RD.

Note that schedule dates listed above are dependent on acquisition of the requisite USACE Department of Army Permit and Kentucky Division of Water Individual Water Quality Certification by mid-March.

CONSTRUCTION SEQUENCING

Below is a list of construction activities for each battery plant in the order in which they will occur. Note that as each battery plant is being constructed, the support structures will also be constructed simultaneously.

Battery Plant GE2

- At least 3 days prior to starting any earth disturbance activities call 811.
- Hold pre-construction conference with the environmental inspectors, local county inspector and design engineer.
- Locate staging areas and access points including construction entrances.
- Field locate and stake limits of disturbance.
- Locate, stake and/or install orange construction fence around areas of special concern including Phase II archaeological sites for which additional survey is required.
- Install construction entrances.
- Install perimeter controls (*sediment barriers*).
- Maintain, record, and repair all erosion and sediment controls through the life of the project.
- Remove brush, including stumps.
- Proceed with major clearing and grubbing.
- Install permanent and temporary access roads and associated BMPs.
- Strip and stockpile topsoil; install sediment barriers around stockpiles.
- Begin construction staking for temporary grading.
- Construct temporary and permanent drainage ponds and outfall (*may have multiple configurations through construction*).
- Land balance and rough grading.
- Locate and re-stake, as needed, areas of special concern including Phase II archaeological sites for which additional survey is required.
- Establish construction laydown, parking, and trailer city.
- Install construction drainage ditch alongside battery plant to ponds, including any building drainage to drain into ditch.
- Install concrete washout.
- Building foundations GE2.
- Building construction GE2.

Battery Plant TE1-2

- Examine all BMPs and install BMPs for construction of TE1-2.
- Relocate stream 21-2 that will be impacted by the TE1-2 building pad (*see sequencing on next page*).
- Construct diversion ditch(es) as necessary for construction of TE1-2 and completion of relocated stream.
- Tie-in tributaries from east / I-65, prepare and have ready pump arounds for natural flow.
- Land balance and rough grading.

- Install construction drainage ditch alongside battery plant to ponds, including any building drainage to drain into ditch.
- Tie-in relocated stream (*may have several temporary tie-ins at diversion ditches as stream is going to be constructed from the south to north*).
- Have survey crews locate and re-stake, as needed, areas of special concern including Phase II archaeological sites for which additional survey is required.
- Building foundations TE1-2.
- Building construction TE1-2.
- Upon temporary termination of an earth disturbance activity, or at any stage where earth disturbance activities will exceed 30 days, the site will be seeded, mulched, or otherwise protected.
- All graded areas will be permanently stabilized immediately upon reaching finished grade.
- Upon completion of all earth disturbance activities and permanent stabilization of all disturbed areas, the operators shall contact the local inspector prior to the removal of the Erosion and Sediment Control Measures (BMP's).
- Remove temporary wetland and stream crossings, temporary BMPs including sediment barriers, and fill and grade temporary diversion ditch if used during construction.
- Remove stakes and orange construction fence.
- Repair and permanently stabilize areas disturbed during BMP removal.

Stream Relocation

Due to the nature of the work required by this Contract, it is anticipated that the location and nature of the erosion and sediment control devices will be adjusted on several occasions to reflect the current phase of construction. The construction schedule will impact the placement and need for specific devices required for the control of erosion. Due to the allowable limits of disturbance, the relocation cannot occur until after mass grading, development of storm water ponds, and GE2 building pad construction as shown in **Figure 1**, but prior to construction of TE1-2 building pad. The mass grading for the floodplain corridor and the relocated stream channel will be constructed concurrently with one another. The relocated channel and floodplain will be constructed in the dry. The existing channel will remain open and undisturbed during the construction of the relocated channel and floodplain to the extent practicable.

If a diversion channel(s) is/are necessary for constructability and mass grading work, the diversion channel(s) shown will be used to maintain uninterrupted flow from off site to the North, through the site, and offsite to the South, while using existing channels where applicable (Stream 21-2 and Stream 17-2). In areas where the proposed channel needs to be constructed within the existing channel(s), temporary local pump arounds will be used to protect water quality. This is anticipated at the Northern Extent Tie-In location and the Southern Extent Tie-In location. As tributaries coming from I-65 are encountered (Stream 17-2, Stream18, Stream 34, and Stream 35), local pump arounds will be put in place temporarily so they may be built and tied into the new relocated stream before continuing North. Pump around details are illustrated in Detail 4, DO-1 of the Engineer's Stream Relocation Drawings (**Attachment B.4**). The number of pump-arounds may be increased or decreased dependent upon need.

COMMON

TE2

GE2 "EXPANSION"

ASSUMED MECHANICAL UTILITY TRESTLE LOCATIONS

WBS	SCOPE OF WORK	SF	UOM
000.00	COMMON		
100.00	SITEWORK	613	ACRE
130.00	ADMINISTRATION BUILDING	105,345	SF
140.00	UTILITY YARD - FW	14,000	SF / EA
183.00	GUARD HOUSE (SUB GATE) - TRUCKING	2,210	SF
185.00	GUARD HOUSE - ENTRY GATE	120	SF / EA
186.00	GUARD HOUSE (SUB GATE) - STORAGE	1,089	SF
020.00	TE2 - BATTERY PLANT EXPANSION (KY)	4,096,776	SF
030.00	GE2 - BATTERY PLANT EXPANSION (KY)	4,164,232	SF
021 / 031	TE2 & GE2 - BALANCE OF PLANT		
700.00	CANTEEN	36,919	SF / EA
710.00	MV SWITCH HOUSE	21,600	SF / EA
780.00	GUARD HOUSE (MAIN GATE) - EMPLOYEE SECURITY	15,235	SF / EA
800.00	RELIABILITY TEST BUILDING	100,753	SF / EA
805.00	SAFETY TEST BUILDING	54,256	SF / EA
810.00	WASTE STORAGE-1	7,758	SF / EA
814.00	WASTE STORAGE-3	4,044	SF
820.00	CHILLER PLANT - 1	15,000	SF / EA
821.00	CHILLER PLANT - 2	15,000	SF / EA
822.00	CHILLER PLANT - 3	8,000	SF / EA
823.00	CHILLER PLANT - 4	15,000	SF / EA
824.00	COMPRESSED AIR BUILDING	11,900	SF / EA
830.00	CELL DISCHARGE	30,213	SF / EA
840.00	HAZARDOUS STORAGE	13,056	SF / EA
845.00	HAZARDOUS WASTE STORAGE BUILDING	17,823	SF / EA
850.00	ELECTROLYTE STORAGE	10,808	SF / EA
935.00	UTILITY YARD - HOT OIL HEATER PLANT (SRP)	19,808	SF / EA
942.00	UTILITY YARD - N2	9,750	SF / EA
943.00	UTILITY YARD - WT	16,380	SF / EA
945.00	UTILITY YARD - NMP RECOVERY	91,392	SF / EA

CONCEPT SITE PLAN

SCALE: 1" = 300'

0 299'-9 1/2" 600 1200 Feet

1" = 300'

FORD LAND

330 TOWN CENTER DRIVE, SUITE 1100
DEARBORN, MICHIGAN 48126-2738
USA

BLUE OVAL
TE1 & EXP
BATTERY PLANT

GLENDALE - KY

H4

GLENDALE HARDIN KY

FORD LAND DOCUMENT PROJECT NUMBER: 2000024-001

Barton Malow COMPANY

A/E OF RECORD LOGO

GHAFARI

A/E OF RECORD REGISTRATION SEAL

PRELIMINARY
NOT FOR CONSTRUCTION

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DATE	ISSUED FOR
01/03/22	

A/E TEAM INFORMATION

IN CHARGE: M. DURAND
DRAWN BY: R. RAYMOND
DESIGNED BY: R. RAYMOND
CHECKED BY: D. PAMULA
APPROVED BY: M. DURAND
A/E PROJECT NUMBER: 2164165

SHEET TITLE
CONCEPT SITE PLAN

SHEET NUMBER
SKCH-CS01-GHAF

FILE PLOT DATE STAMP 1/6/2022 1:16:03 PM