BAYSIDE MIDDLE SCHOOL OVERVIEW

Traffic Management Factors and Concepts Examined Current and Proposed

- Pedestrian Safety
- Vehicle Safety
- Separation of Bus and Parent Pickup
- Neighboring property impacts
- On site traffic flow
- Off site traffic flow and impacts
- Infrastructure and ROW impacts
- Current/future bus count
- Current volume of parent pickup vehicles
  - 6 observation dates,
    - all over 60 vehicles
    - Four over 70 vehicles
    - Two over 80 vehicles
- Impervious surface
- Stormwater management
- Other mitigating/limiting factors

Current Conditions
(Prior to Safety Fencing Installation)

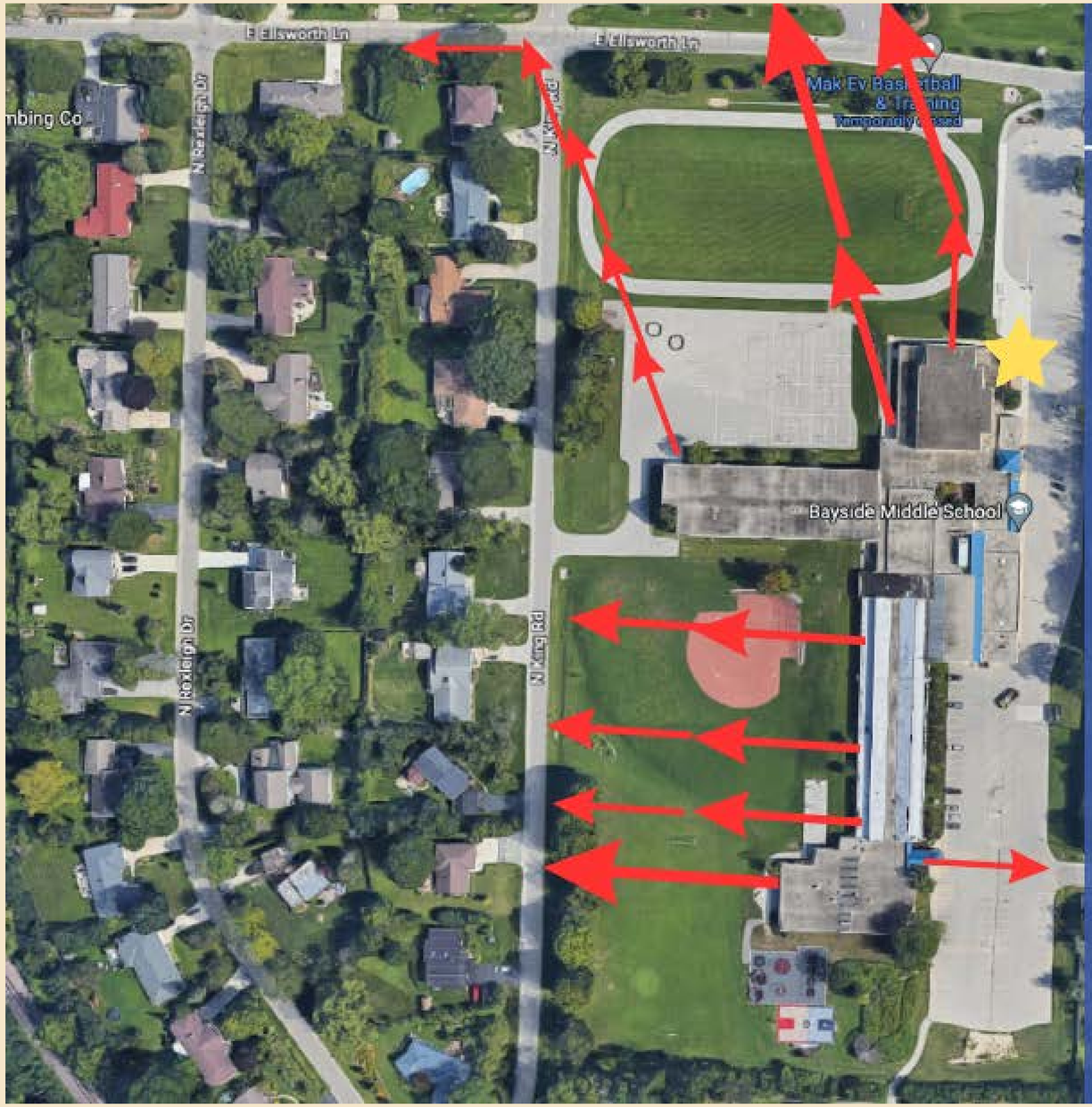
- Significant concern for Pedestrian and Vehicular Safety

- Multiple building exit points/ pickup points
  - Maitland
  - King
  - Ellsworth
  - Standish
  - School Protocol: Parking Lot

- Current volume of parent pickup vehicles
  - 6 pick up observations
    - all over 60 vehicles
    - Four over 70 vehicles
    - Two over 80 vehicles

- Current conditions are extermely unsafe

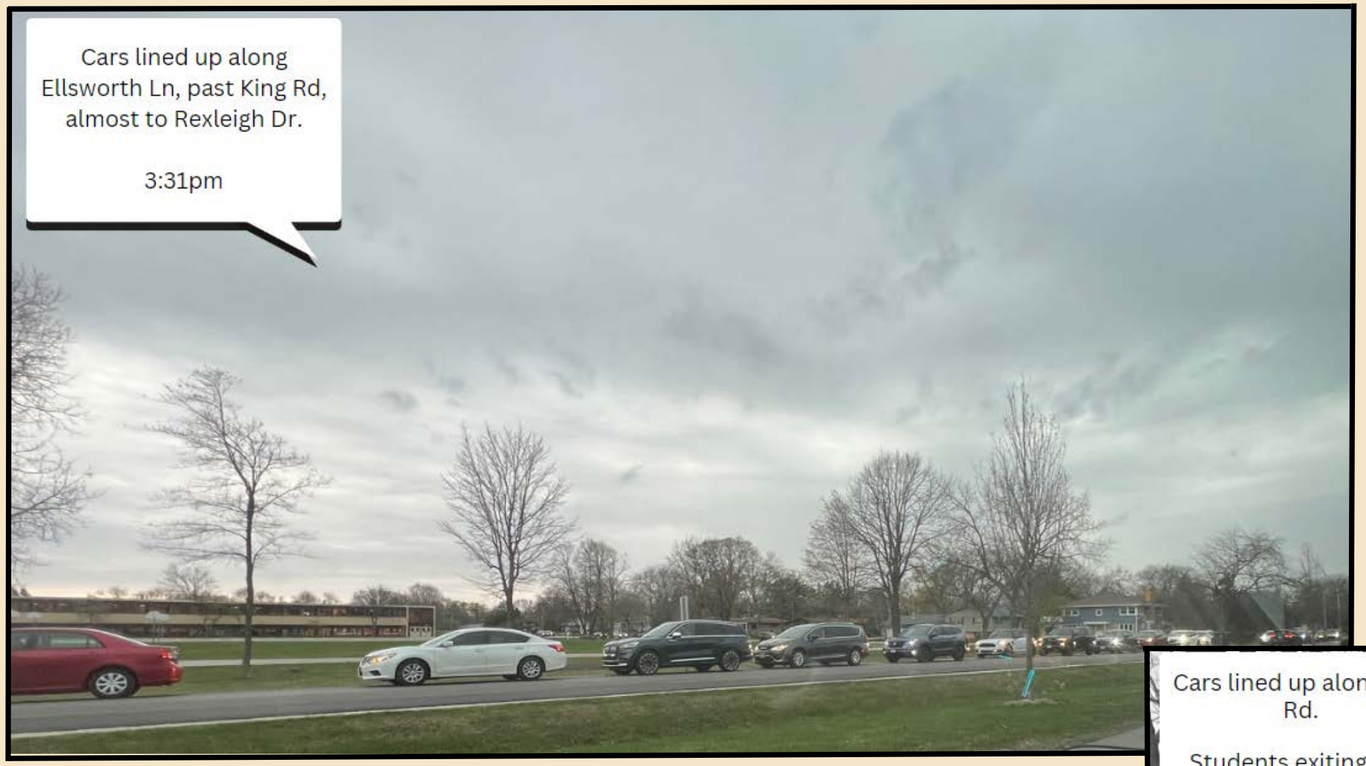
School Pickup Observation



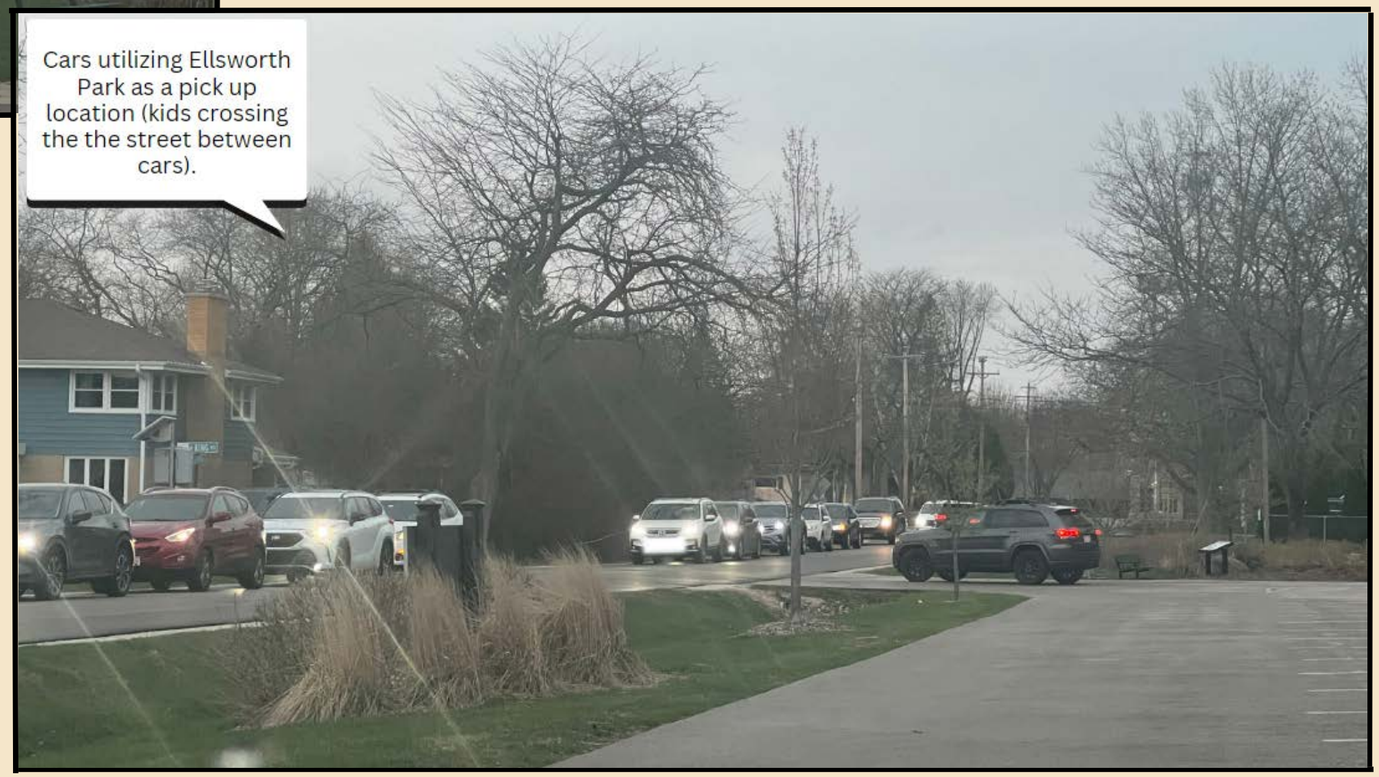
Observations on
Wednesday, April 19, 2023
Conditions: Rain

- Roughly 80 cars present for pick up
- Cars lined on Ellsworth Lane, King Road, and Ellsworth Park parking lot. Unable to observe Maitland.
- Ellsworth Park parking lot used as a pick-up site.
- Children walking between cars to cross streets.
- Cars driving on the wrong side of the street due to cars parking on the road.
- Cars driving at each other in wrong lanes of traffic.
- Cars driving in the shoulder/ditch.
- Numerous students exiting side doors/not the main exit.
- Cars making U-turns in the middle of streets and obstructing traffic.
- Children walk to cars rather than cars driving to children.

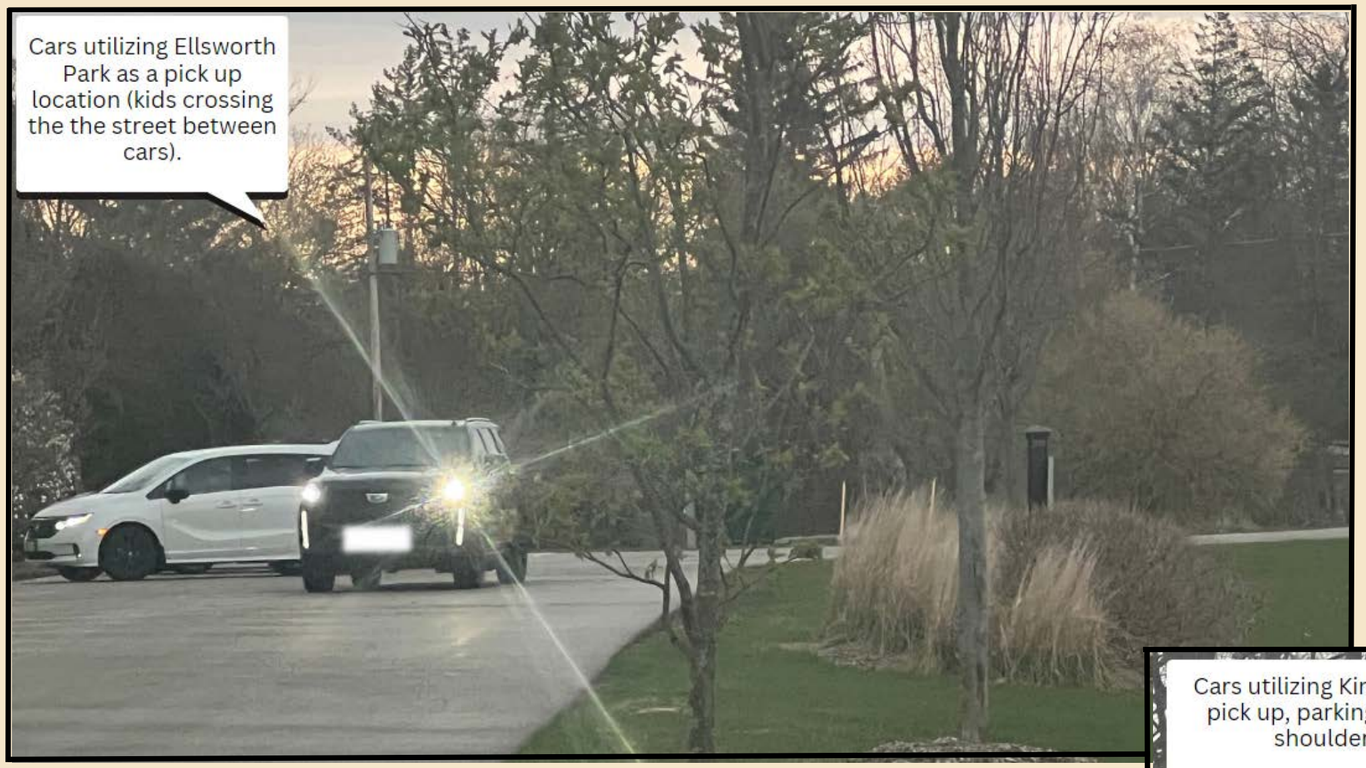
Present conditions of school pickup



Present conditions of school pickup



Present conditions of school pickup



Present conditions of school pickup

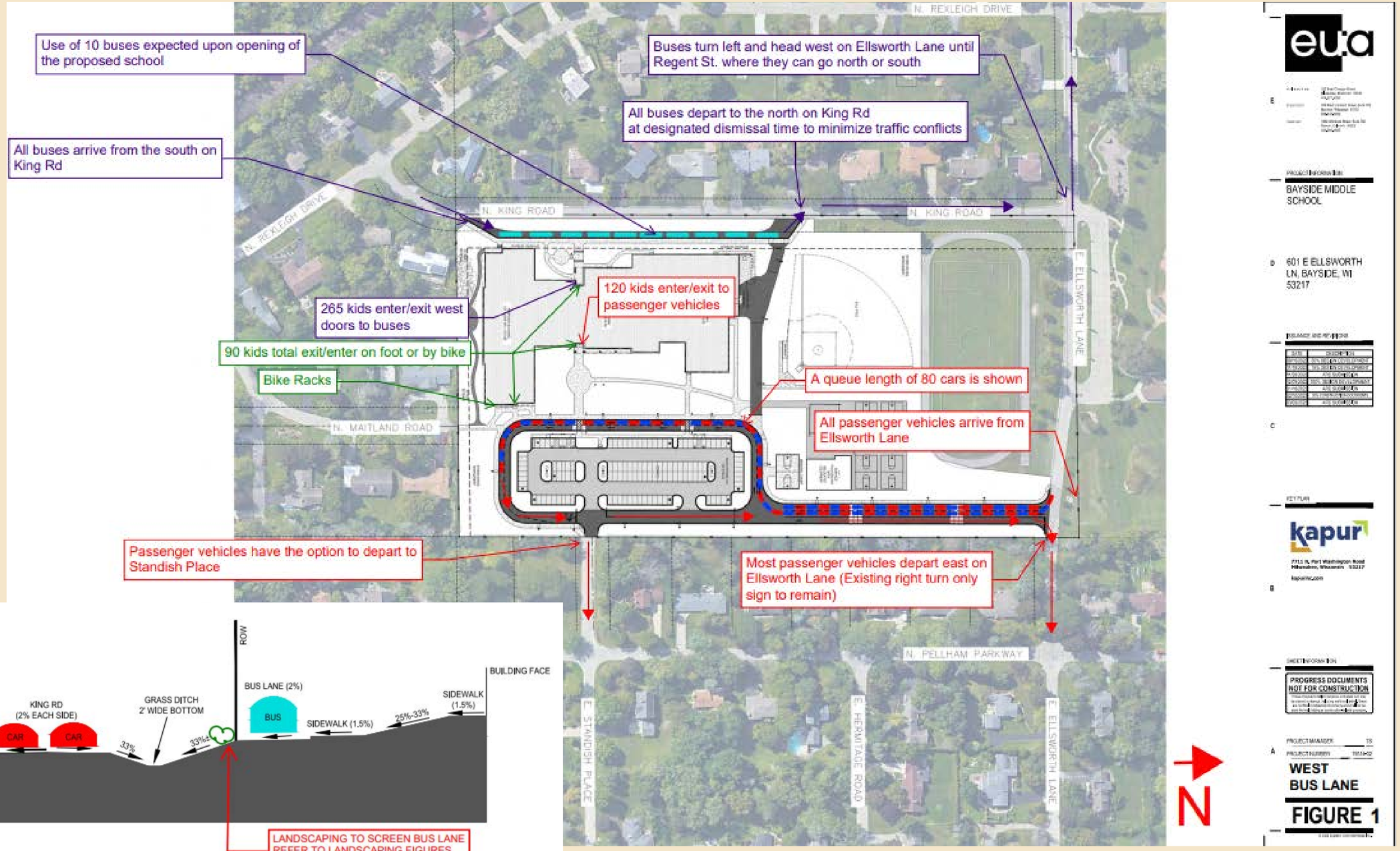
Present conditions of school pickup

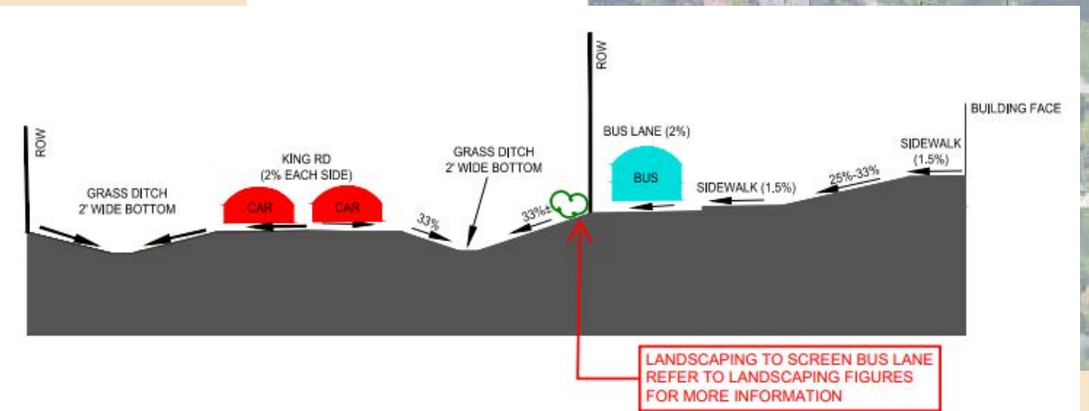
Present conditions of school pickup

Traffic Management Concepts Examined

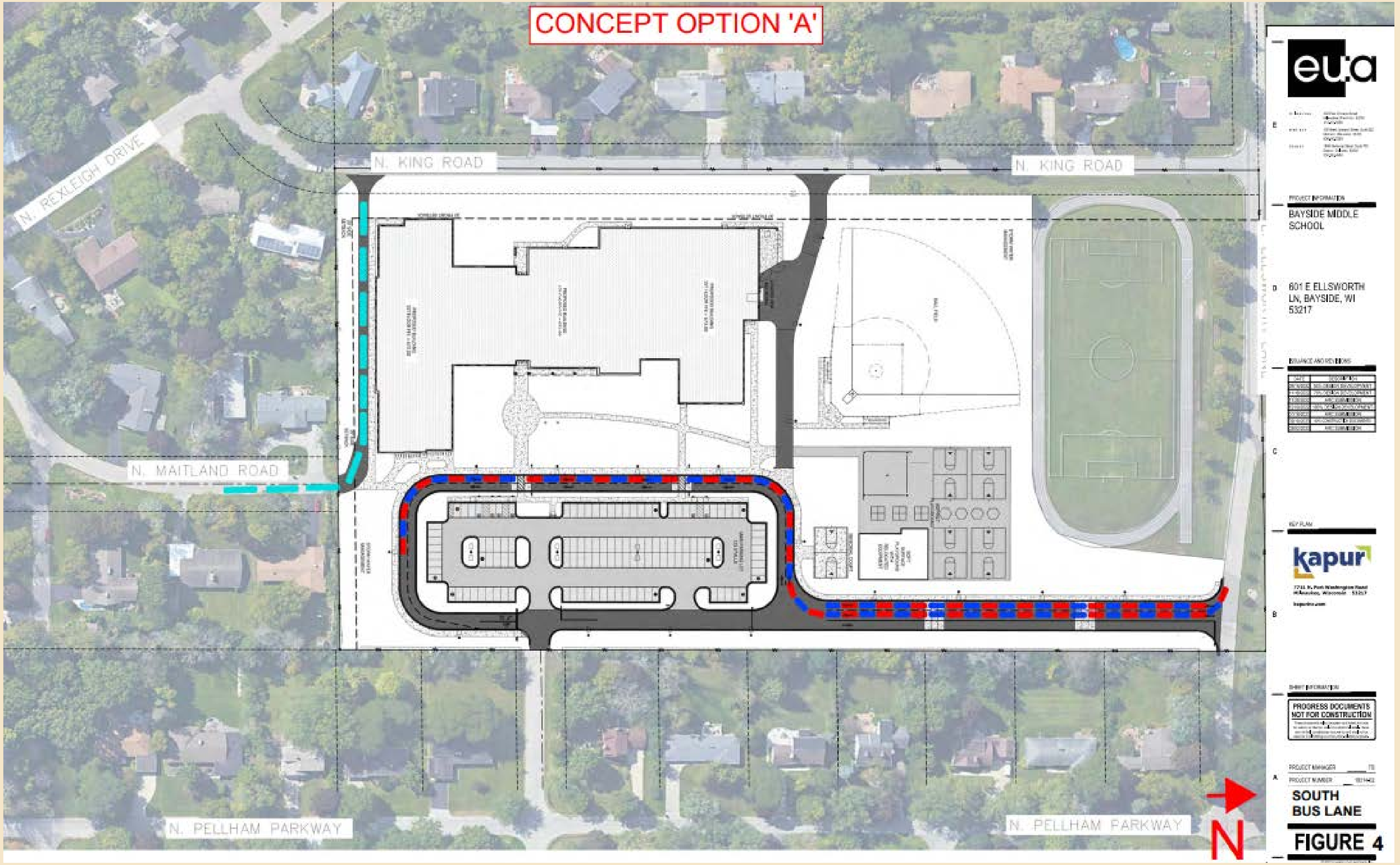
- Eight drawn concepts have been examined
- Countless undrawn/brainstorming concepts have been discussed.

School District Recommended Concept

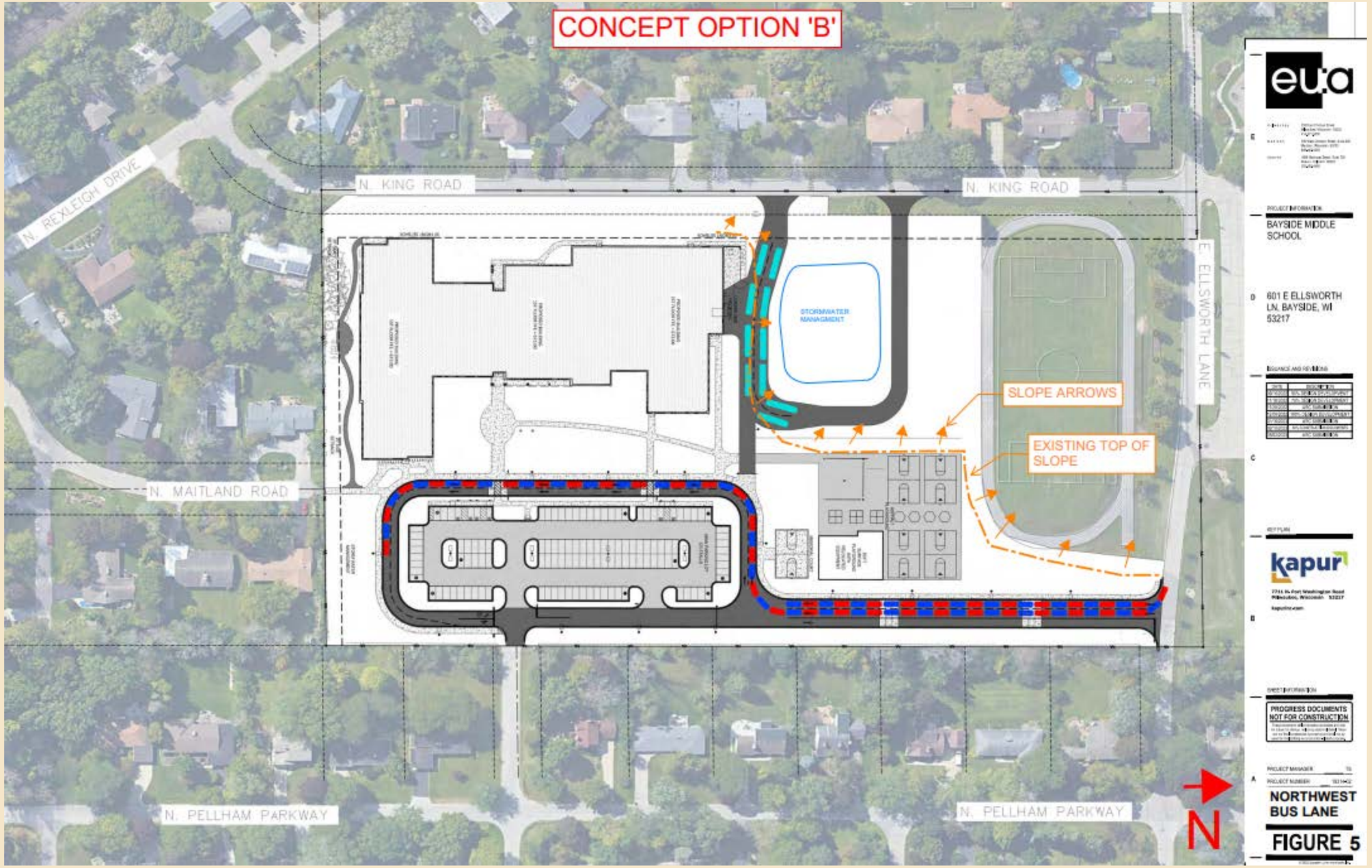




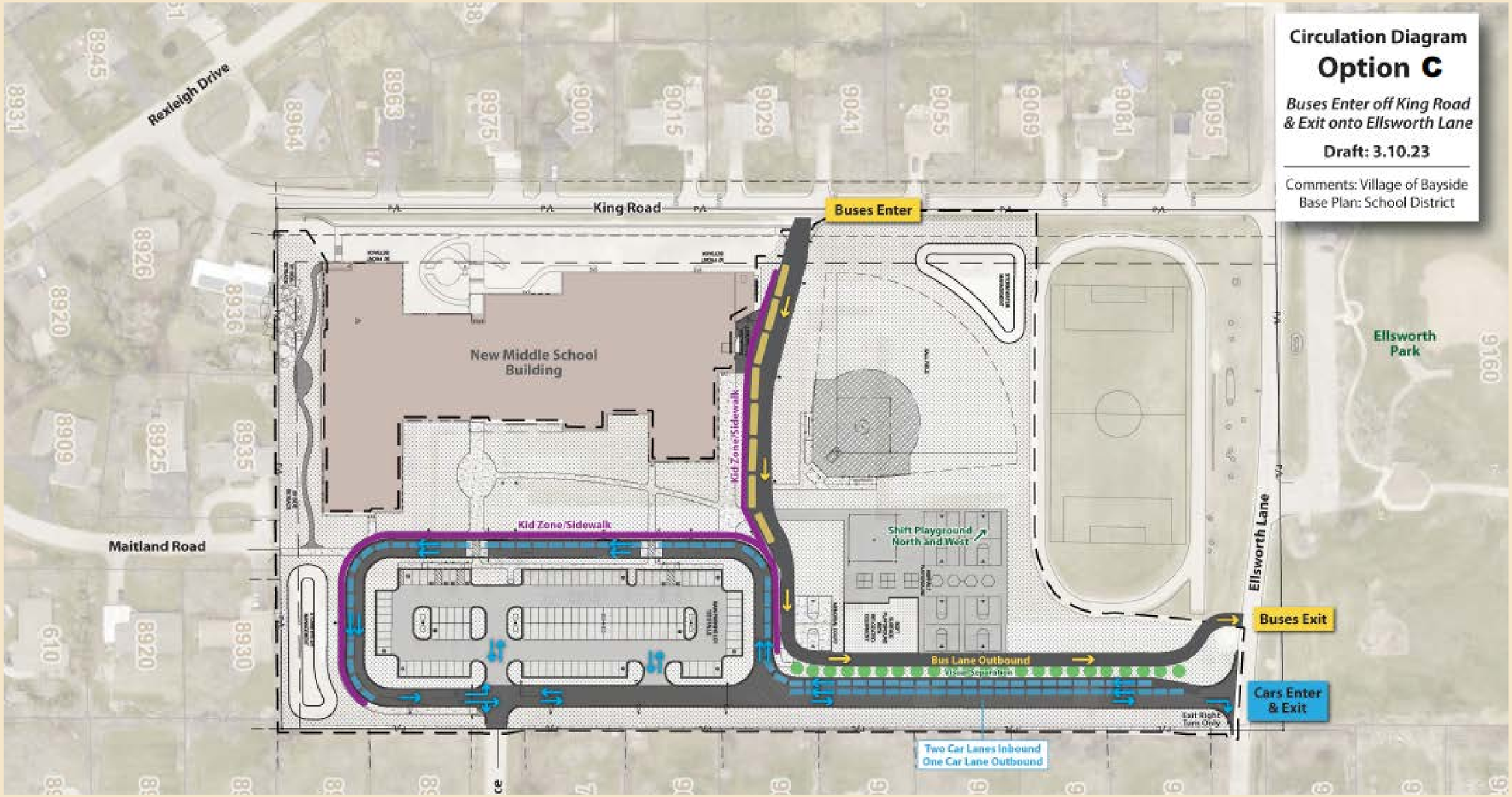
Option 'A'


CONCEPT OPTION 'A'
N. KING ROAD
N. KING ROAD
N. REXLEIGH DRIVE
N. MAITLAND ROAD
N. PELLHAM PARKWAY
N. PELLHAM PARKWAY
N
eu:a
PROJECT INFORMATION
BAYSIDE MIDDLE SCHOOL
601 E ELLSWORTH LN, BAYSIDE, WI 53217
kapur
PROGRESS DOCUMENTS NOT FOR CONSTRUCTION
SOUTH BUS LANE
FIGURE 4

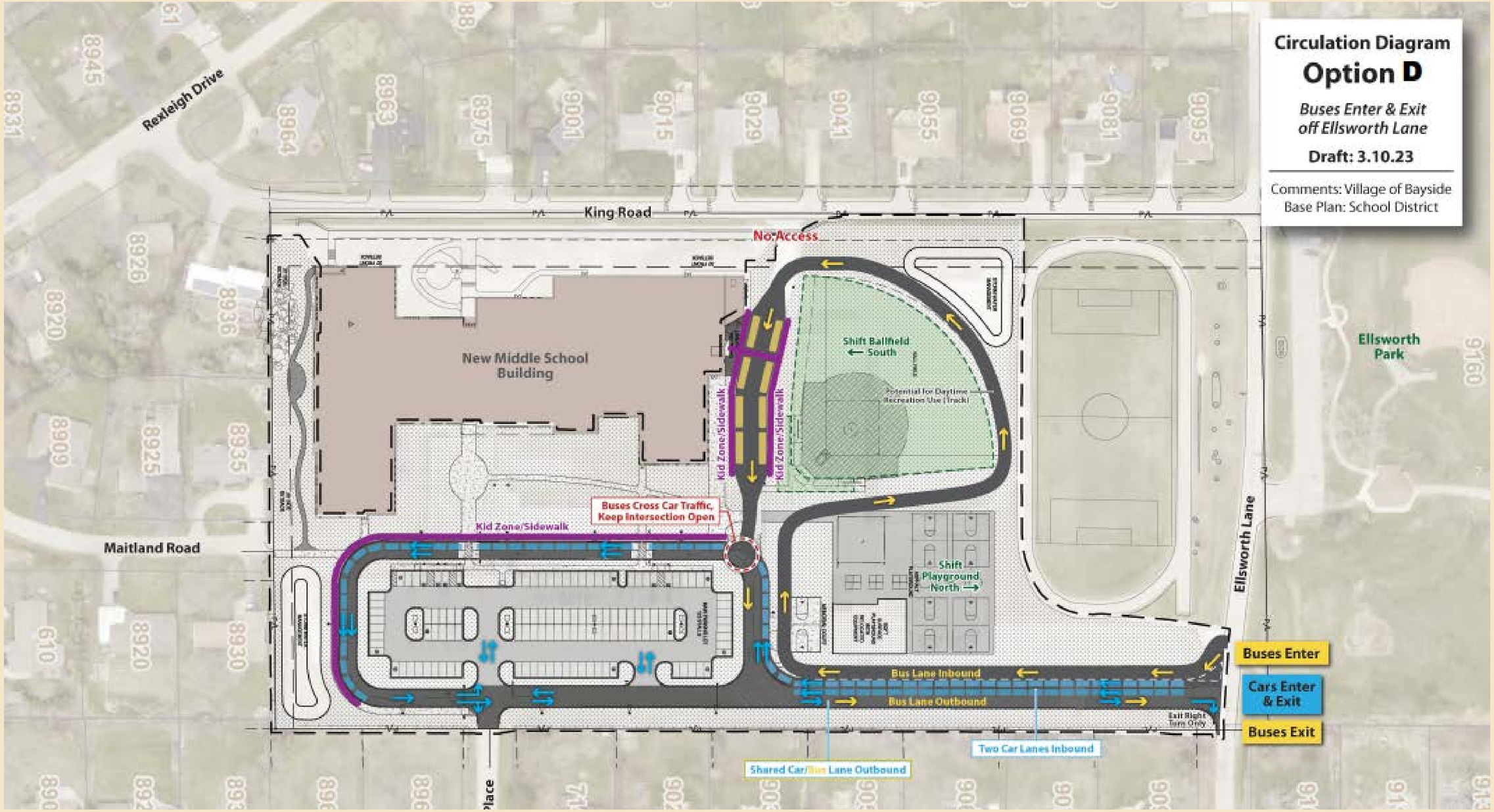
Option 'B'


CONCEPT OPTION 'B'
N. REXLEIGH DRIVE
N. KING ROAD
N. KING ROAD
E. ELLSWORTH LANE
STORMWATER MANAGMENT
SLOPE ARROWS
EXISTING TOP OF SLOPE
N. MAITLAND ROAD
N. PELLHAM PARKWAY
N. PELLHAM PARKWAY
N
eu:a
PROJECT INFORMATION
BAYSIDE MIDDLE SCHOOL
601 E ELLSWORTH LN. BAYSIDE, WI 53217
kapur
PROGRESS DOCUMENTS NOT FOR CONSTRUCTION
NORTHWEST BUS LANE
FIGURE 5

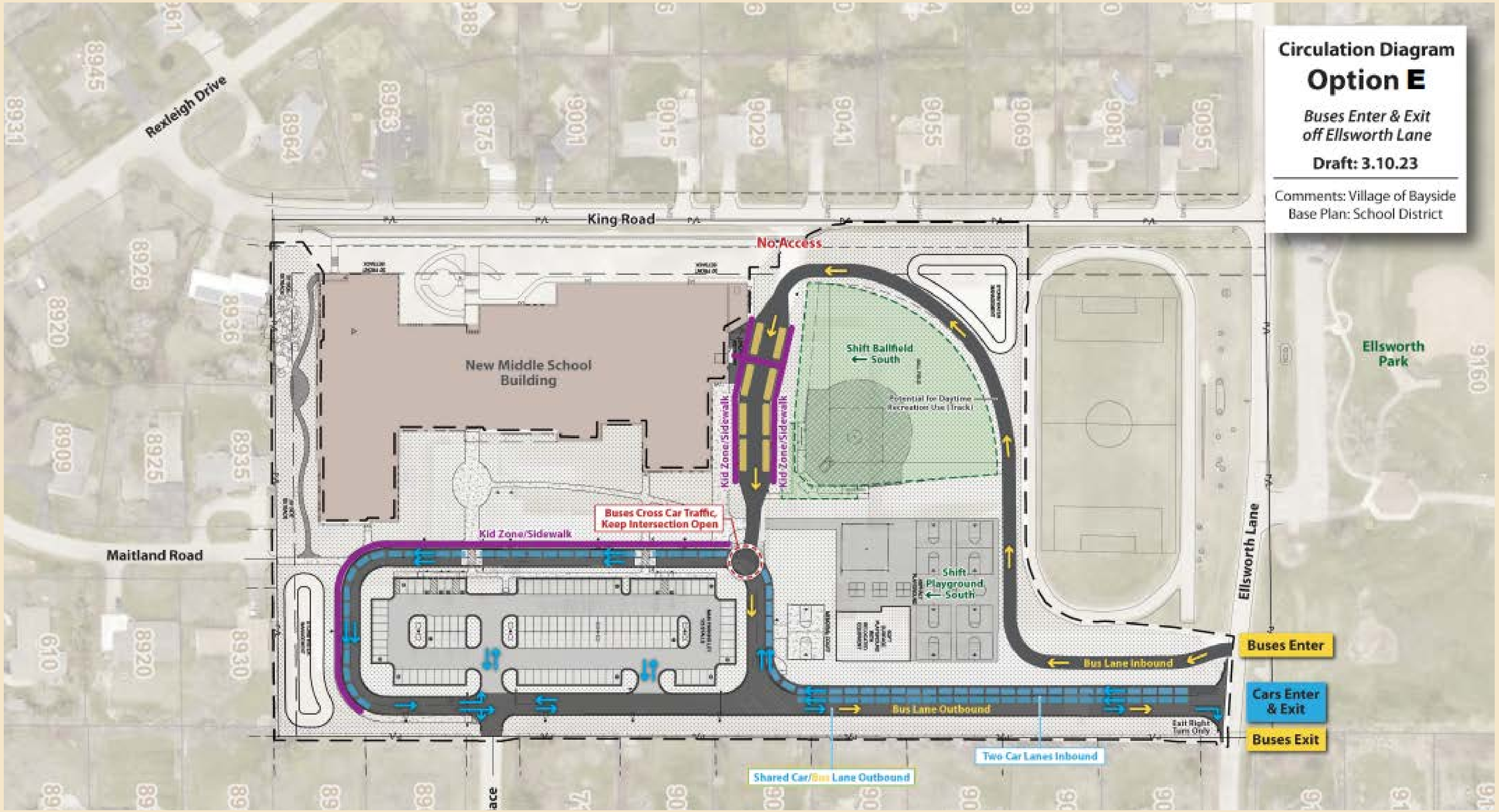
Option 'C'


Circulation Diagram
Option C
Buses Enter off King Road & Exit onto Ellsworth Lane
Draft: 3.10.23
Comments: Village of Bayside
Base Plan: School District
Rexleigh Drive
King Road
Buses Enter
New Middle School Building
Kid Zone/Sidewalk
Kid Zone/Sidewalk
Maitland Road
Shift Playground North and West
Ellsworth Park
Ellsworth Lane
Buses Exit
Bus Lane Outbound
Visual Separation
Cars Enter & Exit
Exit Right Turn Only
Two Car Lanes Inbound
One Car Lane Outbound

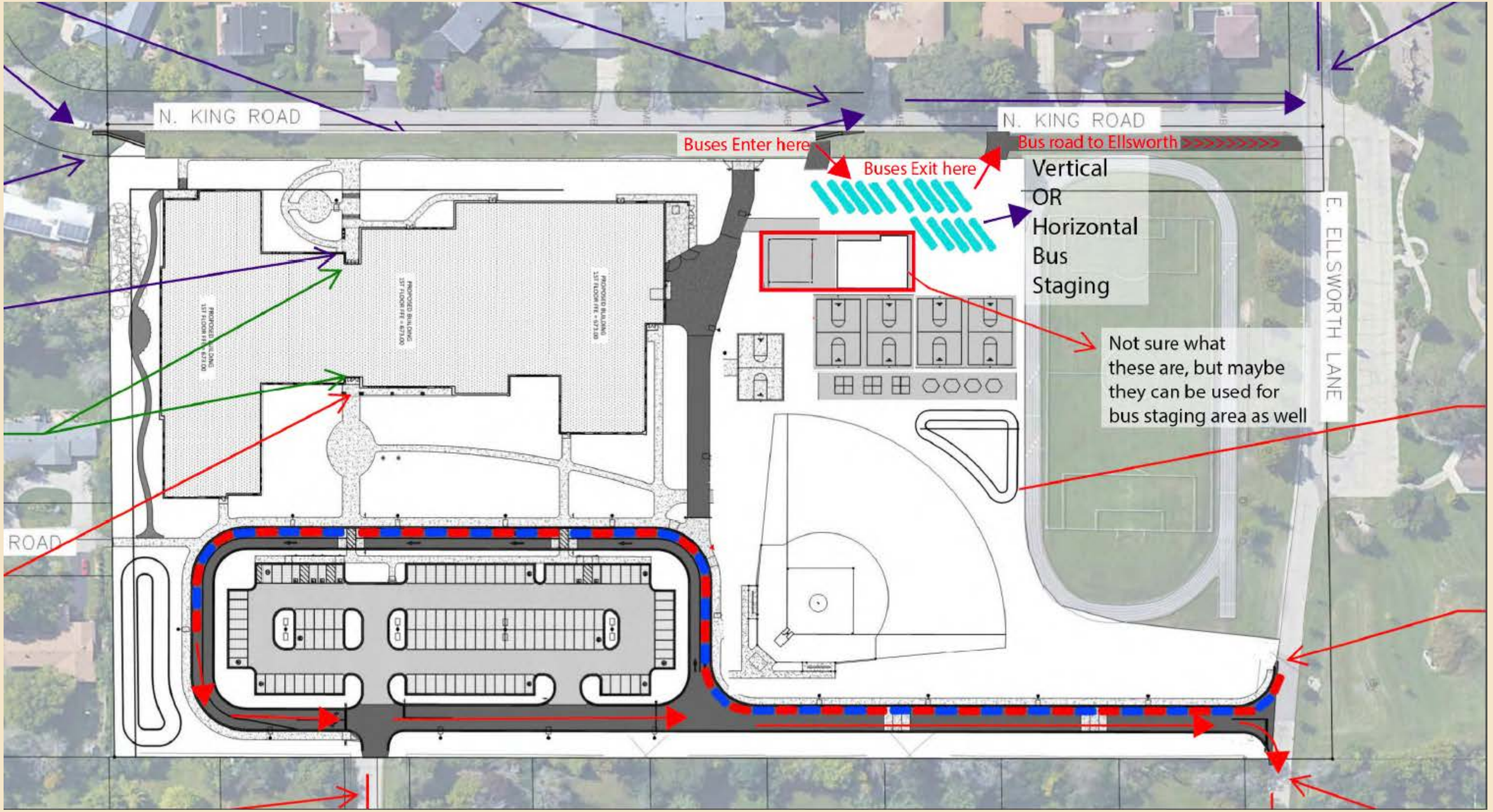
Option 'D'


Circulation Diagram
Option D
Buses Enter & Exit off Ellsworth Lane
Draft: 3.10.23
Comments: Village of Bayside
Base Plan: School District
Rexleigh Drive
King Road
No Access
New Middle School Building
Shift Ballfield ← South
Potential for Daytime Recreation Use (Track)
Ellsworth Park
Kid Zone/Sidewalk
Kid Zone/Sidewalk
Kid Zone/Sidewalk
Buses Cross Car Traffic, Keep Intersection Open
Maitland Road
Shift Playground North →
Ellsworth Lane
Bus Lane Inbound
Bus Lane Outbound
Exit Right Turn Only
Buses Enter
Cars Enter & Exit
Buses Exit
Two Car Lanes Inbound
Shared Car/Bus Lane Outbound

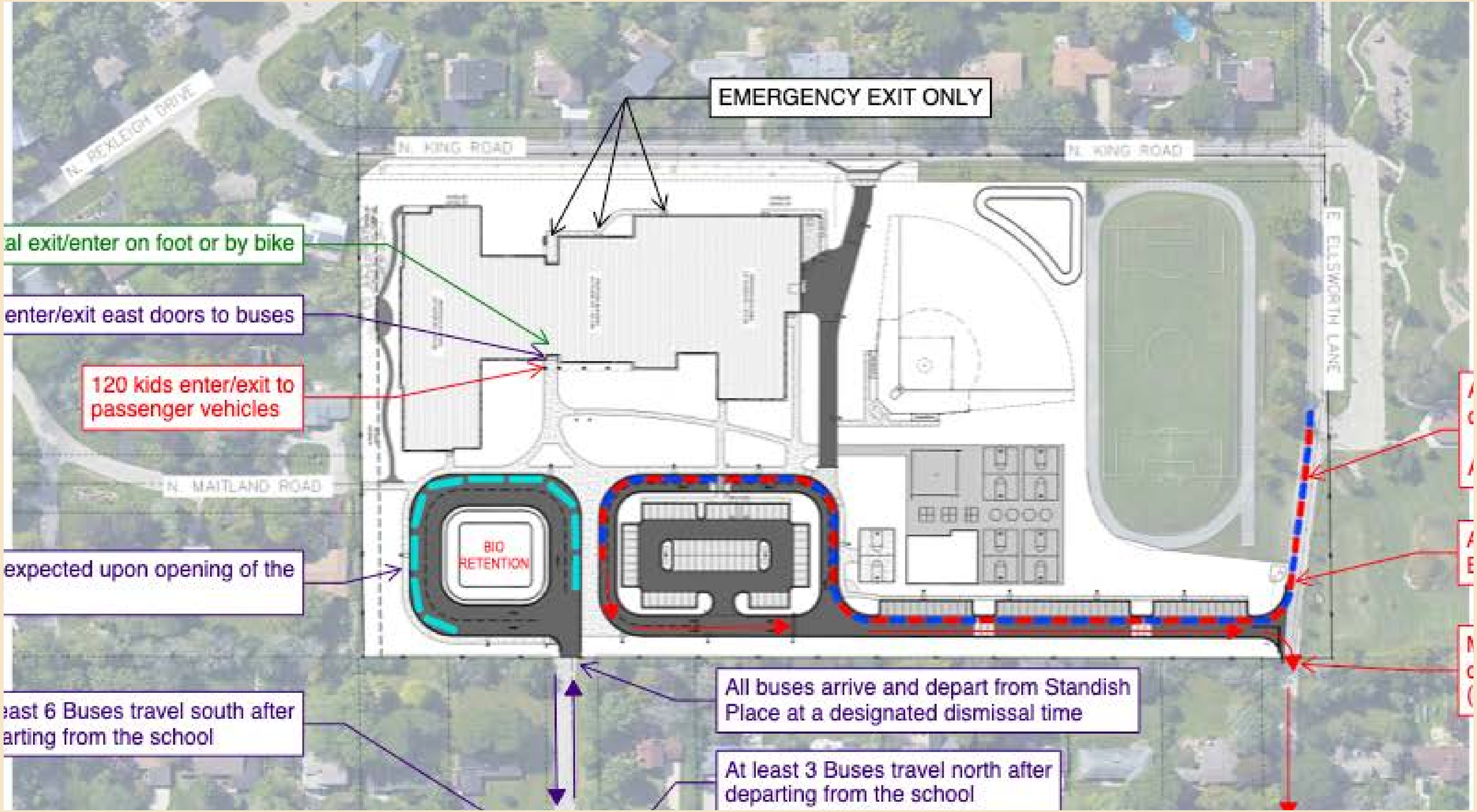
Option 'E'


Circulation Diagram
Option E
Buses Enter & Exit off Ellsworth Lane
Draft: 3.10.23
Comments: Village of Bayside
Base Plan: School District
Rexleigh Drive
King Road
No Access
New Middle School Building
Shift Ballfield ← South
Potential for Daytime Recreation Use (Track)
Kid Zone/Sidewalk
Kid Zone/Sidewalk
Kid Zone/Sidewalk
Buses Cross Car Traffic, Keep Intersection Open
Maitland Road
Shift Playground ← South
Ellsworth Park
Ellsworth Lane
Buses Enter
Bus Lane Inbound
Cars Enter & Exit
Buses Exit
Bus Lane Outbound
Exit Right Turn Only
Two Car Lanes Inbound
Shared Car/Bus Lane Outbound

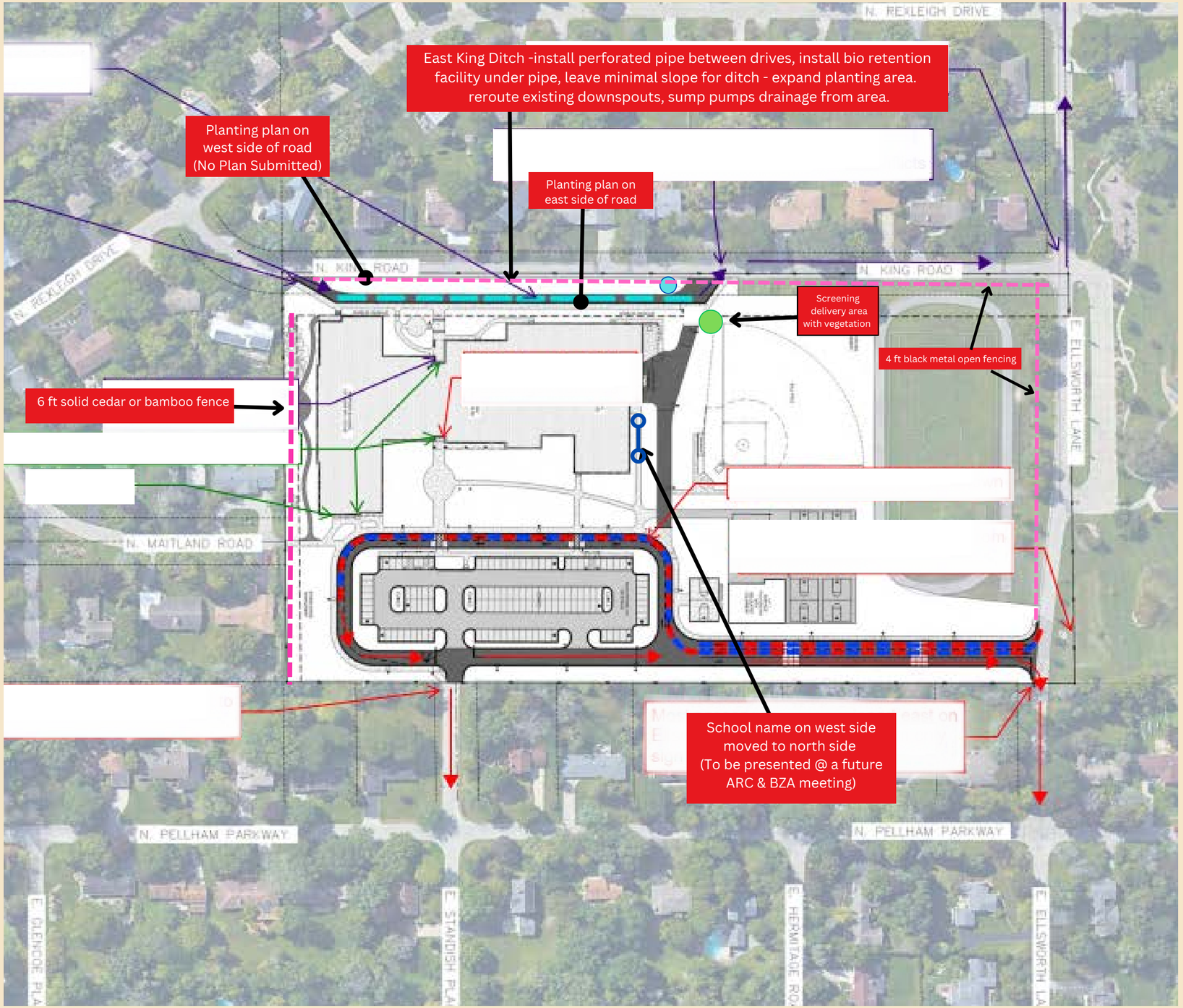
Option F


N. KING ROAD
Buses Enter here
Buses Exit here
N. KING ROAD
Bus road to Ellsworth >>>>>>>>>
Vertical
OR
Horizontal
Bus
Staging
Not sure what these are, but maybe they can be used for bus staging area as well
E. ELLSWORTH LANE
ROAD

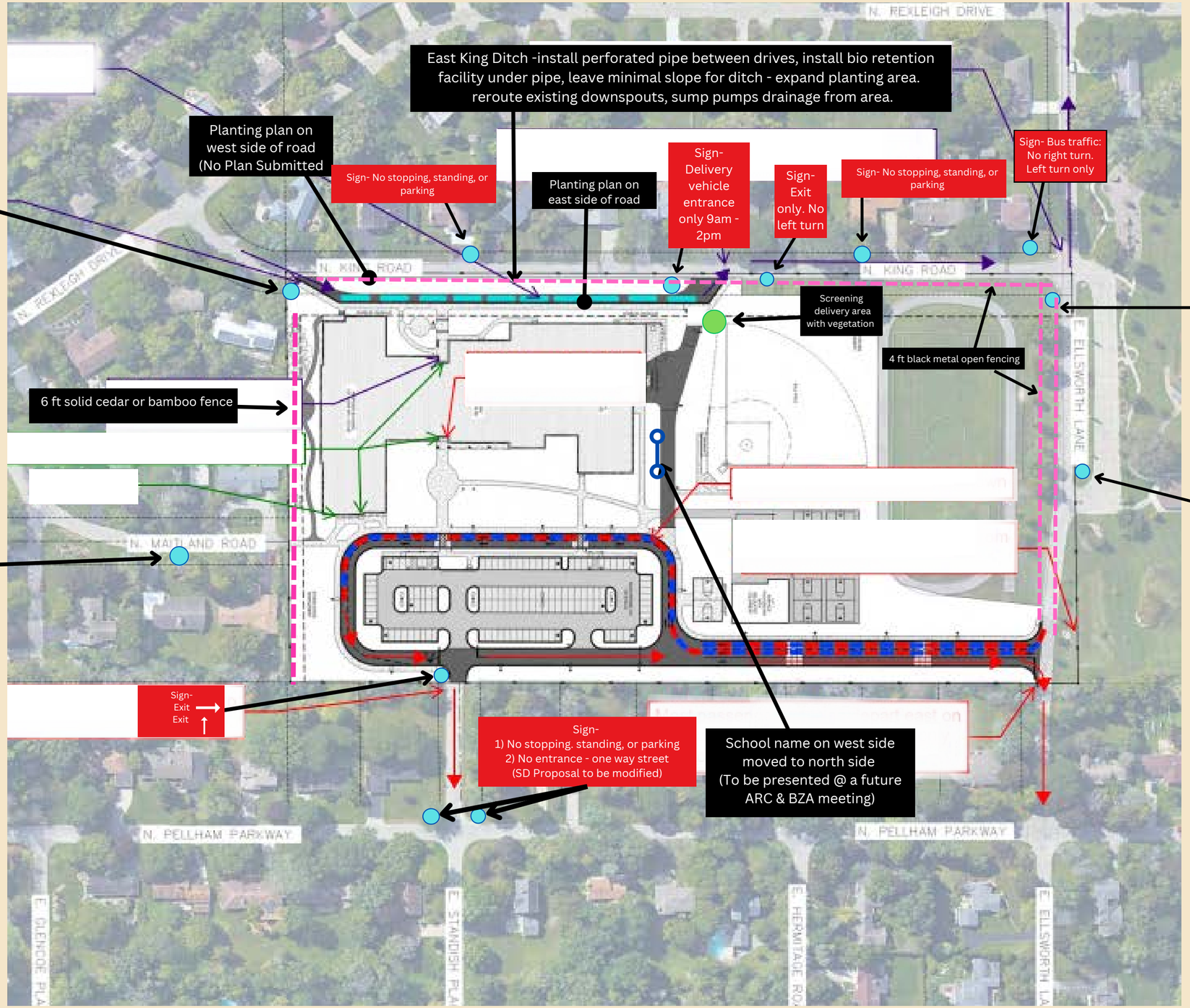
Option G


EMERGENCY EXIT ONLY
al exit/enter on foot or by bike
enter/exit east doors to buses
120 kids enter/exit to passenger vehicles
expected upon opening of the
ast 6 Buses travel south after arting from the school
All buses arrive and depart from Standish Place at a designated dismissal time
At least 3 Buses travel north after departing from the school
N. KING ROAD
N. KING ROAD
N. MAITLAND ROAD
E. ELLSWORTH LANE
BIO RETENTION

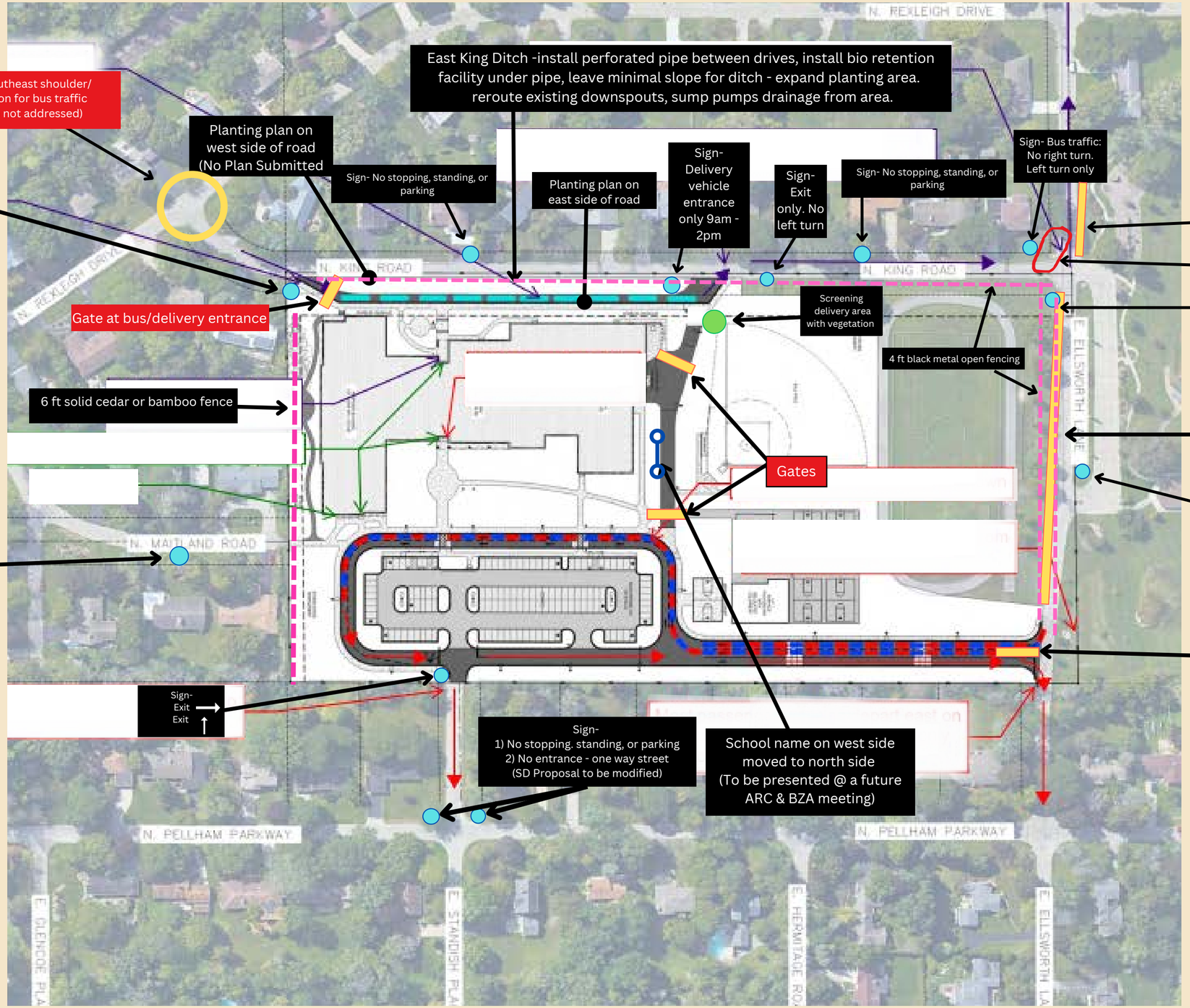
Landscape/ Aesthetics



Signage


N. REXLEIGH DRIVE
N. KING ROAD
N. KING ROAD
N. MAITLAND ROAD
N. PELLHAM PARKWAY
N. PELLHAM PARKWAY
E. ELLSWORTH LANE
East King Ditch -install perforated pipe between drives, install bio retention facility under pipe, leave minimal slope for ditch - expand planting area. reroute existing downspouts, sump pumps drainage from area.
Planting plan on west side of road (No Plan Submitted
Planting plan on east side of road
Sign- No stopping, standing, or parking
Sign- Delivery vehicle entrance only 9am - 2pm
Sign- Exit only. No left turn
Sign- No stopping, standing, or parking
Sign- Bus traffic: No right turn. Left turn only
Northbound King Sign- Bus traffic only. Buses permitted Monday through Friday 8am-8:30am 3pm-3:45pm
Screening delivery area with vegetation
Sign- Form a Single Line
4 ft black metal open fencing
6 ft solid cedar or bamboo fence
Sign- "No Thru Traffic. Ellsworth Park Parking Only".
Sign- No stopping, standing, or parking
Sign- Exit Exit
Sign- 1) No stopping. standing, or parking 2) No entrance - one way street (SD Proposal to be modified)
School name on west side moved to north side (To be presented @ a future ARC & BZA meeting)

Safety/ Site Needs



East King Ditch -install perforated pipe between drives, install bio retention facility under pipe, leave minimal slope for ditch - expand planting area. reroute existing downspouts, sump pumps drainage from area.

Expand southeast shoulder/ intersection for bus traffic (Concern not addressed)

Planting plan on west side of road (No Plan Submitted

Northbound King Sign- Bus traffic only. Buses permitted Monday through Friday
8am-8:30am
3pm-3:45pm

Sign- No stopping, standing, or parking

Planting plan on east side of road

Sign- Delivery vehicle entrance only 9am - 2pm

Sign- Exit only. No left turn

Sign- No stopping, standing, or parking

Sign- Bus traffic: No right turn. Left turn only

1 foot shoulder widening 30-40 ft

Expand shoulder

Gate at bus/delivery entrance

Screening delivery area with vegetation

Sign- Form a Single Line

4 ft black metal open fencing

6 ft solid cedar or bamboo fence

New curb lane. Stripe indicating school pickup lane from King to school entrance.

Gates

Sign- "No Thru Traffic. Ellsworth Park Parking Only".

Sign- No stopping, standing, or parking

Install concrete pork chop to require right turn only and add signage

OPTIONAL

Intersection alterations for Buses
-SW corner of King & Ellsworth
-NE corner BDR & Rexleigh
-NE corner of Ellsworth & Regent
-King & Rexleigh
(Partial Plan Submitted)

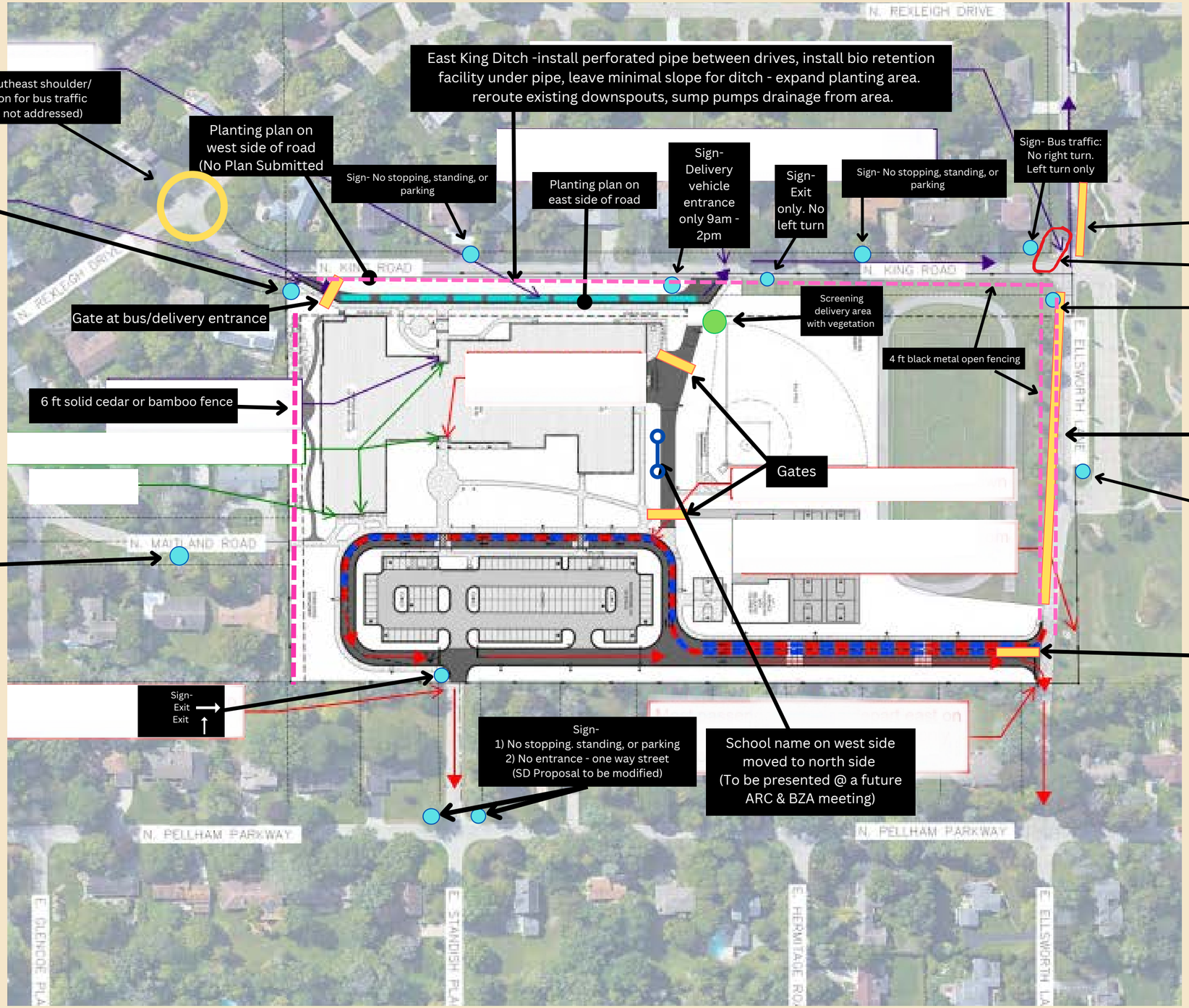
Sign-
Exit
Exit

Sign-
1) No stopping. standing, or parking
2) No entrance - one way street
(SD Proposal to be modified)

School name on west side moved to north side
(To be presented @ a future ARC & BZA meeting)

Maintenance agreement for queuing lane Ellsworth and King
(No Plan Submitted)

All



East King Ditch -install perforated pipe between drives, install bio retention facility under pipe, leave minimal slope for ditch - expand planting area. reroute existing downspouts, sump pumps drainage from area.

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Sign- No stopping, standing, or parking

Planting plan on east side of road

Sign- Delivery vehicle entrance only 9am - 2pm

Sign- Exit only. No left turn

Sign- No stopping, standing, or parking

Sign- Bus traffic: No right turn. Left turn only

1 foot shoulder widening 30-40 ft

Expand shoulder

Sign- Form a Single Line

Gate at bus/delivery entrance

Screening delivery area with vegetation

4 ft black metal open fencing

6 ft solid cedar or bamboo fence

Gates

New curb lane. Stripe indicating school pickup lane from King to school entrance.

Sign- "No Thru Traffic. Ellsworth Park Parking Only".

Sign- No stopping, standing, or parking

Install concrete pork chop to require right turn only and add signage

OPTIONAL

Sign-
Exit
Exit

Sign-
1) No stopping. standing, or parking
2) No entrance - one way street
(SD Proposal to be modified)

School name on west side moved to north side
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Intersection alterations for Buses
-SW corner of King & Ellsworth
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-NE corner of Ellsworth & Regent
-King & Rexleigh
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Maintenance agreement for queuing lane Ellsworth and King
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