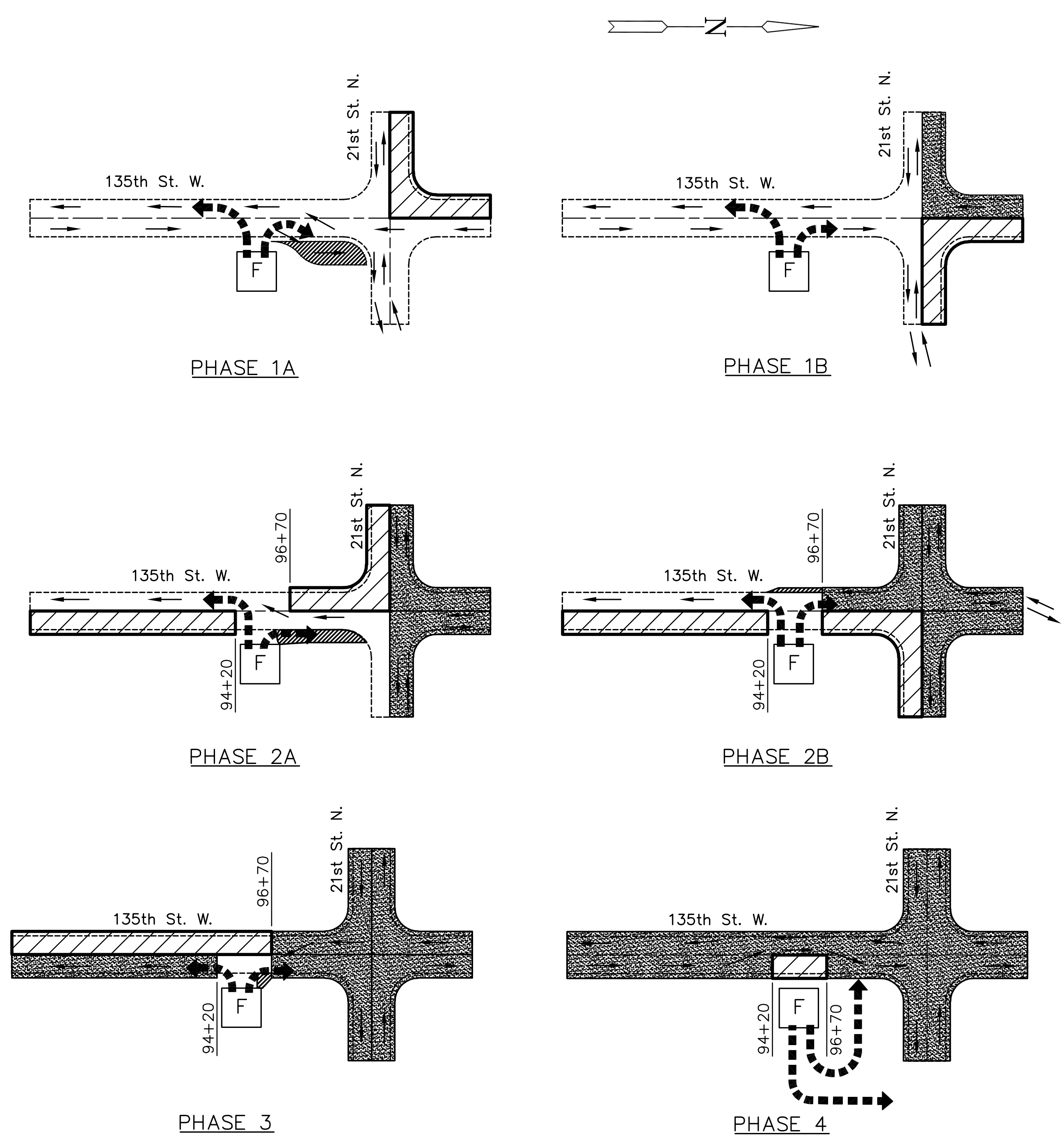


PHASING	HANDLING OF TRAFFIC	MAJOR CONSTRUCTION ITEMS	REMARKS
1A	<p>Utilize local traffic control measures where storm sewer and water construction activities abut and cross streets and other areas accessible by the public.</p> <p>Implement the 13th Street detour during the construction of the RCB across 13th Street.</p> <p>Provide a single lane of southbound traffic on 135th Street north of 21st Street and employ the phase 1A detour for 135th Street. Provide temporary asphalt pavement on 135th Street south of 21st Street to accommodate a shift of traffic. Vehicles attempting to turn onto northbound 135th Street at 21st Street will be prohibited.</p> <p>Provide a single lane of traffic in each direction on 21st Street using the existing south lane and shoulder.</p>	<p>Construct storm sewer Line 1 (including Silverton Swale), Lines 23 through 27 (including 13th Street RCB and Heritage Ditch), and pond improvements and weirs in between. Construct all water line improvements.</p> <p>Construct the northwest quadrant of the 21st and 135th intersection and all improvements on the north half of 21st Street from station 42+65.96 to station 50+00 and all improvements on the west half of 135th Street from station 100+00 to station 107+25.48.</p>	<p>Contractor is allowed to construct other improvements which will have minimal impact of traffic during this phase.</p> <p>The 13th Street detour and the 135th Street detour will not be allowed to occur simultaneously.</p> <p>Fire trucks will have access to 135th in both directions during this phase. It is the contractor's responsibility to provide and maintain this access.</p>
1B	<p>Utilize local traffic control measures where storm sewer and water construction activities abut and cross streets and other areas accessible by the public.</p> <p>Implement the 13th Street detour during the construction of the RCB across 13th Street.</p> <p>Provide a single lane of southbound traffic on 135th Street north of 21st Street and employ the phase 1B detour for 135th Street. Temporary asphalt pavement on 135th Street south of 21st Street will not be necessary for this phase but should remain for later phases. Vehicles attempting to turn onto northbound 135th Street at 21st Street will be prohibited.</p> <p>Maintain a single lane of traffic in each direction on 21st Street using the existing south lane and shoulder.</p>	<p>Continue construction of storm sewer Line 1 (including Silverton Swale), Lines 23 through 27 (including 13th Street RCB and Heritage Ditch), and pond improvements and weirs in between. Continue construction all water line improvements.</p> <p>Construct the northeast quadrant of the 21st and 135th intersection and all improvements on the north half of 21st Street from station 50+00 to station 58+20.48 and all improvements on the east half of 135th Street from station 100+00 to station 107+25.48.</p>	<p>Contractor is allowed to construct other improvements which will have minimal impact of traffic during this phase.</p> <p>The 13th Street detour and the 135th Street detour will not be allowed to occur simultaneously.</p> <p>Fire trucks will have access to 135th in both directions during this phase. It is the contractor's responsibility to provide and maintain this access.</p>
2A	<p>Provide a single lane of southbound traffic on 135th Street between 13th Street and 21st Street and employ the phase 2 detour for 135th Street. Vehicles attempting to turn onto northbound 135th Street at 13th Street will be prohibited. Provide temporary asphalt pavement between fire station and 21st Street for fire truck access to the north. Shift traffic from one side of the road to the other between station 94+20 and station 96+70. Shift traffic on 135th Street north of 21st Street to align with the traffic south of 21st Street.</p> <p>Provide a single lane of traffic in each direction on 21st Street on the newly completed portion of 21st Street.</p>	<p>Begin constructing the east half of 135th Street from station 47+83.56 to station 94+20.</p> <p>Construct the southwest quadrant of the 21st and 135th intersection and all improvements on the south half of 21st Street from station 42+65.96 to station 50+00 and all improvements on the west half of 135th Street from station 96+70 to station 100+00.</p>	<p>Fire trucks will have access to 135th in both directions during this phase. It is the contractor's responsibility to provide and maintain this access.</p>
2B	<p>Maintain a single lane of southbound traffic on 135th Street between 13th Street and 21st Street and continue to employ the phase 2 detour for 135th Street. Vehicles attempting to turn onto northbound 135th Street at 13th Street will be prohibited. Shift traffic on 135th Street north of 21st Street to align with the traffic south of 21st Street.</p> <p>Maintain a single lane of traffic in each direction on 21st Street on the newly completed portion of 21st Street.</p>	<p>Continue constructing the east half of 135th Street from station 47+83.56 to station 94+20.</p> <p>Construct the southeast quadrant of the 21st and 135th intersection and all improvements on the south half of 21st Street from station 50+00 to station 58+20.48 and all improvements on the east half of 135th Street from station 96+70 to station 100+00.</p>	<p>Fire trucks will have access to 135th in both directions during this phase. It is the contractor's responsibility to provide and maintain this access.</p>
3	<p>Provide a single lane of southbound traffic on 135th Street between 13th Street and 21st Street and employ the phase 3 detour for 135th Street. Vehicles attempting to turn onto northbound 135th Street at 13th Street will be prohibited. Shift traffic from one side of the road to the other between station 96+70 and station 99+20.</p> <p>Maintain a single lane of southbound traffic on 135th Street north of 21st Street. Both northbound lanes may be open north of 21st Street.</p> <p>21st Street may be fully open to traffic.</p>	<p>Construct the west half of 135th Street from station 47+83.56 to station 96+70.</p>	<p>Fire trucks will have access to 135th in both directions during this phase. Some temporary asphalt paving may be necessary to provide this access. It is the contractor's responsibility to provide and maintain this access.</p>
4	<p>Provide a single lane of traffic in each direction on 135th Street south of 21st Street. Southbound traffic on 135th Street south of 21st Street will be tapered to the far west lane between station 99+20 and 96+70.</p> <p>135th Street north of station 96+70 and 21st Street may be fully opened to traffic.</p>	<p>Constructing the remaining portion of the east half of 135th Street from station 94+20 to station 96+70.</p>	<p>Fire trucks will have access to 135th in both directions with exception to times when construction activities occur immediately in front of the fire station. When this occurs, access to 135th Street and 21st Street via the rear of the fire station will have to be utilized.</p>
5	<p>Maintain two-way traffic on 135th Street and 21st Street during this phase. Flagger operations and local traffic control operations will be permitted for daytime street closures when two-way traffic can not be maintained. The contractor shall coordinate necessary lane closures and traffic handling with the City.</p>	<p>Construct asphalt surface courses over all bituminous pavements and install permanent pavement markings throughout the project if not performed in previous phases.</p> <p>Construct all remaining improvements not completed previously.</p>	<p>Fire trucks will have access to 135th in both directions with exception to times when construction activities occur immediately in front of the fire station. When this occurs, access to 135th Street and 21st Street via the rear of the fire station will have to be utilized.</p>



General Notes:

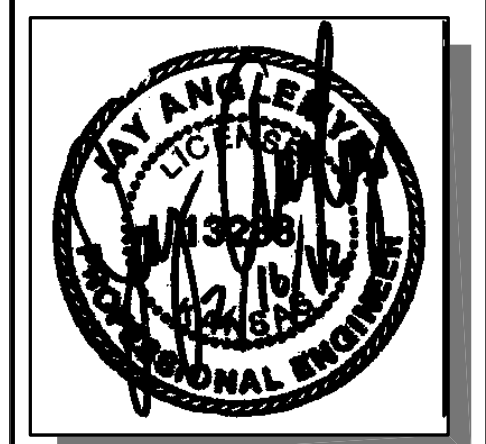
- All signs and pavement markings conflicting with construction traffic control shall be covered or removed as directed by the Engineer.
- As the various construction activities progress, certain situations may arise that will preclude adhering to the original construction sequence or which, in the opinion of the Contractor, would readily adapt themselves to a more efficient phasing operation. Should this occur, the Contractor may submit to the Engineer an alternative plan for approval.
- Contractor shall maintain existing drainage system during construction and address local drainage issues as necessary during construction. Temporary drainage measures will be subsidiary to other items in the contract. Contractor shall provide for drainage in sump areas opened to traffic. Ponded stormwater in sump areas will not be allowed.
- Maintain access to all driveways and entrances within the project limits at all times. Driveways 16' wide and wider shall be constructed half at a time with the other half remaining open. Driveways less than 16' may be closed completely during construction.
- Willoughby Drive must remain open at all times. At no time may Kiwi Street and Ridgepoint Street both be closed. At no time may Ridgepoint Street and Jamesburg Street both be closed.
- Forest View approach at 21st Street may be closed for reasonable periods of time to facilitate construction of 21st Street.

LEGEND

- Work Zone
- Construction Completed
- Temporary Asphalt
- Local Traffic Flow
- Fire Truck Traffic Flow
- Fire Station

MKEC
ENGINEERING
CONSULTANTS, INC.

411 N. WEBB ROAD
WICHITA, K.S. 67206
316-684-9600



STREET IMPROVEMENTS FOR
135th Street West
from 13th Street to 21st Street North

CONSTRUCTION SEQUENCE

SHEET TITLE
MKEC PROJ #10265
PROJECT NUMBER

DESIGN BY: JRA
DRAWN BY: WNJ
CHECKED BY: JRA

ISSUED: February 2012
REVISED:

SHEET NO.
145 of 231

PLOTED: Thursday, February 16, 2012 11:33AM

J:\Civil\10265\DWG\Traffic\10265-CS01