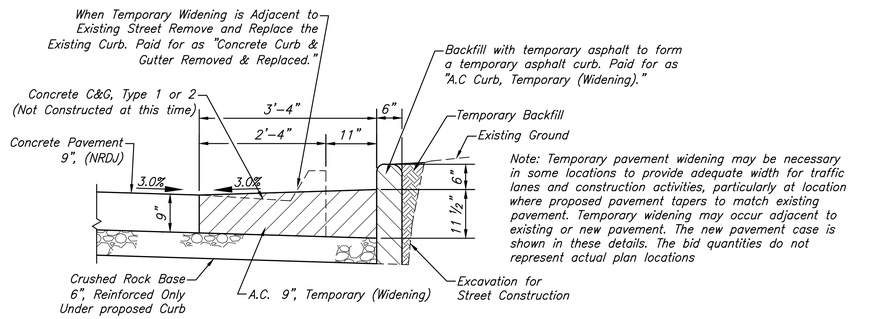
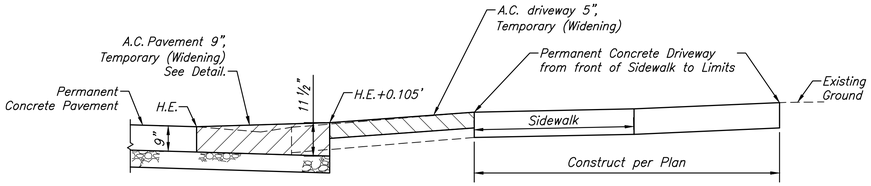
PLOTTED: Wednesday, April 17, 2019 @ 03:05PM

PHASING	HANDLING OF TRAFFIC	HANDLING OF STORM SEWER FLOW	MAJOR CONSTRUCTION ITEMS	REMARKS
1	Provide a single lane of WB traffic on Mt. Vernon between Hillside and George Washington. Adjust traffic plan to permit construction of both SWS Lines. Erect detour for EB Mt. Vernon traffic at Hillside utilizing George Washington.	Plug the existing 30" storm sewer immediately west of SWS Line 9. The existing 36" in both directions shall be connected to SWS Line 9.	Construct SWS Lines 9 and 10. Construct WTR Line 1A and connect to existing system. Construct portion of WTR Line 1 running north south at the east end of project and connect to WTR Line 1A. Maintain water service to four customers on existing 12" line east of Hillside.	Refer to the Phase 1 traffic control plans and Phase 1 detour plan. Phase 1 construction duration shall be 14 days maximum.
2	Provide a single lane of NB traffic on Hillside between Clark and Mt. Vernon. Erect detour for SB Hillside traffic at Mt. Vernon utilizing George Washington and Pawnee.	Maintain existing storm sewer flow throughout this construction phase. Maintain temporary connection to the existing 60" pipe north of SWS Line 1.	Construct connection between the south end of SWS Line 1 and the existing 60" storm sewer. Construct SWS Line 1 from Sta. 10+00 to approximately Sta. 10+23. Construct WTR Lines 2, 3 and remaining portions of WTR Line 1. Connect to the existing system and place lines 1, 2 and 3 in service. Disconnect and abandon existing lines no longer required (continue to keep the existing 12" in Mt. Vernon east of Hillside in service).	Refer to the Phase 2 traffic control plan and Phase 2 detour plan. Phase 2 construction duration shall be 14 days maximum.
3A	Maintain a single lane of traffic in each direction on Mt. Vernon Street in the north two lanes. Provide a single lane of traffic in each direction on Hillside in the west two lanes south of Mt. Vernon. Maintain existing traffic on Hillside north of Mt. Vernon. Prohibit left turns in all directions in the Mt. vernon and Hillside intersection.	Maintain existing storm sewer flow throughout this construction phase. Plug the existing 30" storm sewer immediately downstream of the existing large storm manhole box.	Construct the south side of Mt. Vernon and the east side of Hillside south of Mt. Vernon. Construct SWS Line 1 from approximately Sta. 10+23 to Sta. 13+97. Construct SWS Line 2 from Sta. 10+00 to approximately Sta. 10+11 including the connection to SWS Line 1. Construct SWS Lines 3, 5 and 7. Remove the existing 30" storm sewer south of the large storm manhole box.	Refer to the Phase 3 traffic control plan.
3B	Maintain traffic control established in Phase 3A.	Temporarily plug the existing 60" storm sewer immediately west of SWS Line 9. Temporarily plug the existing 30" storm sewer that connects the existing 36" storm sewer to the large manhole box. Temporarily plug the existing 60" storm sewer immediately east of the 60" junction manhole. Storm flow from the east will use the existing 36" storm sewer to connect with flows from the north in the existing 60" storm sewer and pass through the project to the south via the existing 60" storm sewer.	Continue constructing Phase 3A items.	Phase 3B shall be completed immediately before beginning Phase 3C.
3C	Maintain traffic control established in Phase 3A.	Maintain existing storm sewer flow provided in Phase 3B.	Continue constructing Phase 3A items. Complete construction of SWS Line 1.	
4	Maintain a single lane of traffic in each direction on Mt. Vernon Street in the north two lanes. Provide a single lane of traffic in each direction on Hillside in the east two lanes south of Mt. Vernon. Maintain existing traffic on Hillside north of Mt. Vernon. Prohibit left turns in all directions in the Mt. vernon and Hillside intersection.	Temporarily plug the existing 60" storm sewer immediately south of the existing 30" storm sewer. Remove the temporary plug on the existing 60" storm sewer immediately west of SWS Line 9. Storm flow from the north will be routed east backwards through the 30"/36" to SWS Line 9 then back west via existing 60" and into SWS Line 1. Storm flow will exit the project via existing 60" and 30" at the outflow of SWS Line 1.	Construct the west side of Hillside south of Mt. Vernon including the southwest quadrant of the Mt. Vernon and Hillside intersection. Construct SWS Line 2 from approximately Sta. 10+11 to Sta. 10+77. Remove the existing 60" storm sewer included within this phase boundary. Construct SWS lines 4 and 6.	Refer to the Phase 4 traffic control plan.
5	Provide a single lane of traffic in each direction on Mt. Vernon Street in the south half of the roadway. Provide a single lane of SB traffic on the east half of Hillside between Mt. Vernon and George Washington. Erect detour for NB Hillside traffic at Mt. Vernon utilizing Mt. Vernon and George Washington. Maintain existing traffic on Hillside south of Mt. Vernon.	When connection is made between SWS Line 2 and the existing 60" storm sewer, temporarily plug the existing 30" storm sewer immediately west of the existing inlet in the northeast quadrant of the existing intersection. Storm flow from the north may now utilize SWS Lines 2 and 1. Storm flow from the east may now utilize the existing 60" storm sewer and SWS Line 1. Storm flow reaching the existing inlet in the northeast quadrant may flow backward through the 36" to SWS Line 9 then through the existing 60" and SWS Line 1.	Construct the north half of Mt. Vernon west of Hillside and the west half of Hillside north of Mt. Vernon. Construct the northwest quadrant of the Mt. Vernon and Hillside intersection. Construct SWS Line 2 between approximately Sta. 10+77 and Sta. 11+73. Construct SWS line 8 and the west half of SWS Lines 11, 12 and 13. Construct WTR Line 4.	Refer to the Phase 5 traffic control plan.
6	Maintain a single lane of traffic in each direction on Mt. Vernon Street in the south half of the roadway. Provide a single lane of SB traffic on the west half of Hillside between Mt. Vernon and George Washington. Maintain detour for NB Hillside traffic at Mt. Vernon utilizing Mt. Vernon and George Washington. Maintain existing traffic on Hillside south of Mt. Vernon.	After SWS Line 14 is complete, all storm flows will be utilizing final design lines and structures.	Construct the north half of Mt. Vernon east of Hillside and the east half of Hillside north of Mt. Vernon. Construct the northeast quadrant of the Mt. Vernon and Hillside intersection. Remove temporary pavement on Hillside and construct permanent curb and gutter. Construct SWS line 14. Remove all existing storm sewer no longer in use. Construct the remaining portions of SWS Lines 2, 11, 12 and 13. Switch water service conections from the existing 12" in Mt. Vernon east of Hillside to WTR Line 1. Disconnect and abandon existing 12" line.	Refer to the Phase 6 traffic control plan and Phase 6 detour plan.
7	Allow full-use of Mt. Vernon and Hillside Streets. Provide temporary lane closures as necessary to complete the construction items to occur this phase.		Remove any remaining temporary pavement and construct permanent curb and gutter. Mill asphalt pavement at designated locations. Construct all asphalt surface courses and install permanent pavement markings. Perform permanent seeding and site restoration activities. Construct all remaining items that have yet to be constructed.	Temporary lane closures and other traffic control operations used in this phase shall follow appropriate standard traffic control standards.

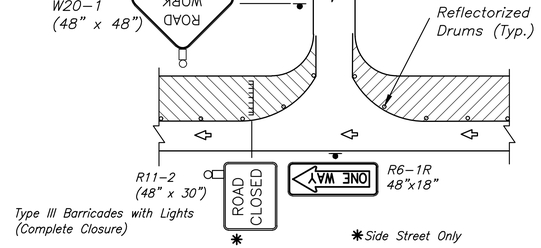


TEMPORARY ASPHALT WIDENING



TEMPORARY ASPHALT DRIVEWAY
(When Located Within Temporary Widening Section)

Note: Cost for temporary pavement items includes eventual removal. Thickness is nominal.



TYPICAL ENTRANCE AND SIDE STREET
(One-Way Traffic on Main Road)

GENERAL NOTES

All signs and pavement markings conflicting with construction traffic control shall be covered or removed as directed by the Engineer.

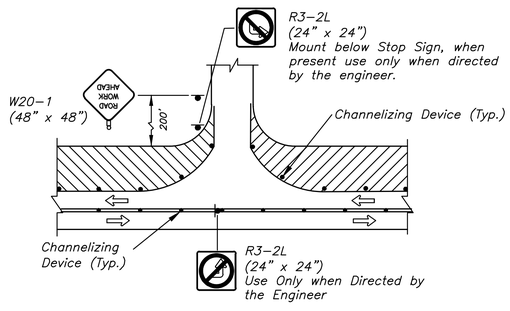
As the various construction activities progress, certain situations may arise that will preclude adhering to the original construction sequence or which, in the opinion of the Contractor, would readily adapt themselves to a more efficient phasing operation. Should this occur, the Contractor may submit 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.

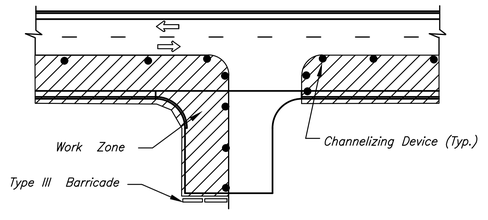
Maintain access to all properties within the project limits at all times. Driveways less than 18' wide may be closed completely during re-construction. Wider drives shall be constructed half-at-a-time with the other half remaining open. Properties with two driveways may have one drive closed for re-construction with the other drive remaining open if approved by the engineer.

All traffic control signs and devices shall be in conformance with the latest edition of the Manual on Uniform Traffic Control Devices.

Contractor shall provide temporary asphalt pavement where necessary to bridge grade differentials between new and existing pavement. Temporary surfacing shall be paid for as "AC Pavement 6" Temporary." The 6" thickness is nominal. Actual thicknesses will vary as necessary to provide suitable grade transitions. Payment will be based on the area of asphalt placed. No adjustment in pay will be made based on actual thickness placed. The cost for the eventual removal of the asphalt material is included as part of the work of this item.



TYPICAL ENTRANCE AND SIDE STREET
(Two-Way Traffic on Main Road)



TYPICAL DRIVEWAY ENTRANCE CONSTRUCTION

Maintain access to businesses at all times. If a single property has multiple entrances, one entrance at a time may be closed for construction if approved by the engineer.

Note:
4" Solid White Edge Lines Are Required Along Existing Curbs.

MKEC
Wichita, KS • 316-684-9600

STREET IMPROVEMENTS FOR

MT. VERNON & HILLSIDE INTERSECTION

PAVING PLANS

CONSTRUCTION SEQUENCE SUMMARY

PROJECT NO.	472-85286
DATE	DATE
SCALE	NTS

DESIGNED	DRAWN	CHECKED
JRA	DMU	JRA

NO.	REVISION	DATE

SHEET NO.

69 OF 101

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Sh. No. 69