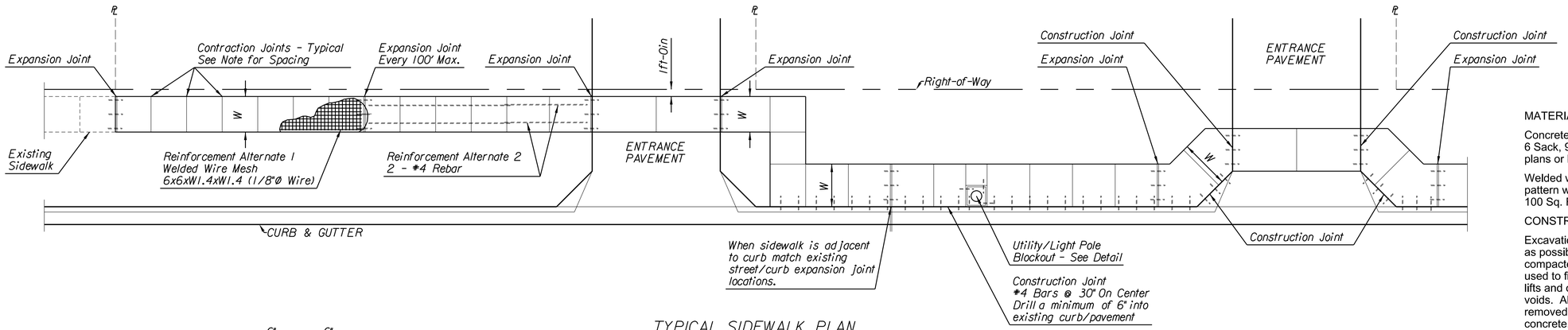
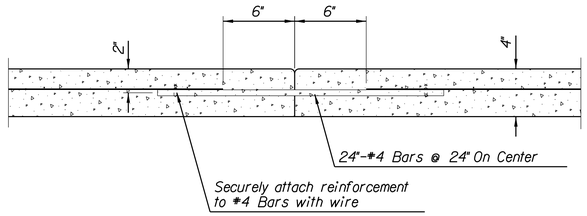
	BY	DATE
SURVEY:		
DESIGNED:	RichardH	4/2/2012
DRAWN:	RichardH	4/2/2012
CHECKED:		

21

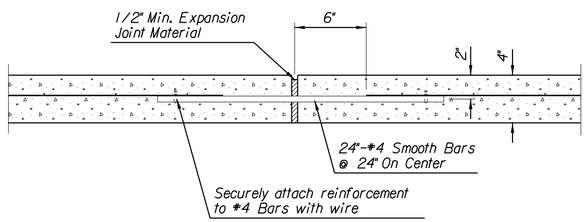


TYPICAL SIDEWALK PLAN



CONSTRUCTION JOINT

Construction Joints shall be constructed at locations shown on the plan or as directed by the Engineer. Construction joints transfer movement between adjacent sections of concrete and prevent the concrete surfaces from shifting.

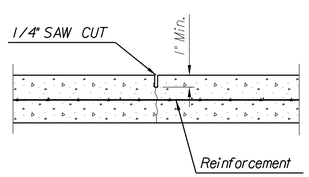


EXPANSION JOINT

Expansion Joints shall be constructed at locations shown on the plan or as directed by the Engineer. Expansion joints isolate movement between adjacent sections of concrete as the concrete expands with increases in temparature.

Expansion joint material may be foam, cedar or redwood board, cut to match the thickness of the finished concrete.

Reinforcing steel, or wire mesh should be cut 6" from the expansion joint to completely isolate the joint. Caps and grease are not required for sidewalk expansion joints.



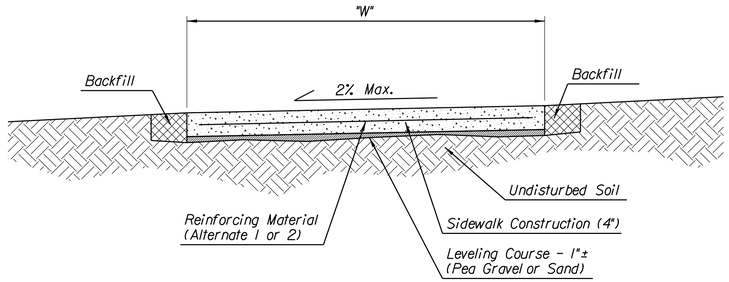
CONTRACTION JOINT

Contraction joints shall be placed in the sidewalk at intervals equal to the width of the sidewalk up to a maximum spacing of seven feet (7'). For example, with a four foot wide sidewalk, joints should be spaced on average every 4 feet.

Contraction joints may be formed in the concrete with a center edger of sufficient depth. Saw cutting may still be required if tooled joints "close up" as the concrete hardens.

Saw cut joints should be made as soon as the concrete is hard enough to prevent spalling and before shrinkage occurs. Typically saw cut joints should be made the same day as the concrete is placed unless otherwise directed by the Engineer.

All reinforcing materials should extend through the contraction joint.



TYPICAL SECTION

Sidewalk width "W" shall match the existing sidewalk width for all maintenance work. For New Construction, minimum sidewalk width "W" shall be 5'-0" for sidewalk adjacent to the right-of-way and 6'-0" for sidewalk adjacent to the curb or street.

Sidewalks constructed shall conform to the latest edition of the Americans with Disabilities Act Accessibility Guidelines, ADAAG, as required by the Department of Justice.

Any features adjacent to the planned construction that are not compliant with the ADAAG guidelines MUST be brought into compliance unless the cost of the additional construction is more than 20% of the TOTAL cost of the project.

GENERAL NOTES

MATERIALS

Concrete used for sidewalk construction shall be "City Paving Mix", 6 Sack, 900#-1" Rock (FA)(AE) unless otherwise specified on the plans or by the Engineer.

Welded wire reinforcement, if used, shall have a six inch (6") square pattern with 1/8" diameter wire or greater (6"x6"xW.4xW1.4, 14# per 100 Sq. Ft.).

CONSTRUCTION

Excavation should be made as close to the desired lines and grades as possible so that concrete may be placed on undisturbed and compacted soil. Filler materials such as pea gravel or sand may be used to fill voids or low areas. Filler materials should be placed in lifts and compacted using vibratory equipment to remove any voids. All deleterious materials (roots, trash, etc.) should be removed from the base prior to placement of filler material or concrete.

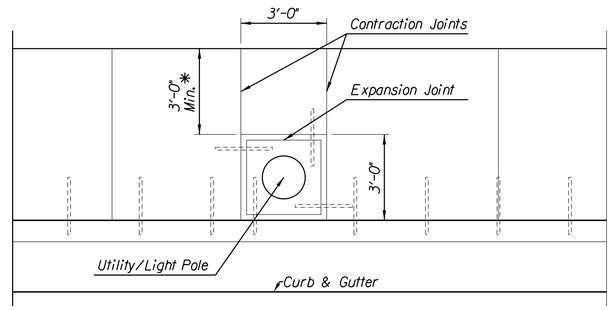
Cold Weather - When the minimum temperature is less than 40°F, the subgrade should be covered with blankets to prevent it from freezing prior to concrete placement. Concrete shall be covered with blankets as soon as possible after finishing for a minimum of 72 hours (3 days).

Forms shall be of a depth approximately equal to the thickness of the sidewalk and shall be staked and braced as required to prevent movement during or after concrete placement.

Concrete shall be placed in a single course. The composition and consistency shall be uniform and well mixed. The slump shall not exceed four inches (4"). Concrete shall be consolidated by mechanical means to remove voids from the pavement. The surface shall be finished with a float and then broomed perependicular to the sidewalk to produce a granular non-slip surface. The edges and expansion joints shall be edged with an edging tool.

Sidewalks shall be cured immediately after finishing by liquid membrane, concrete blankets or plastic sheeting, or burlap to prevent shrinkage cracks that occur as a result of heat and wind. Liquid membrane shall be of a type suitable for curing of concrete and shall be applied at the rate of 1 gallon per 100 square feet. Concrete Blankets or plastic sheeting should be placed over the concrete immediately after finishing for a minimum of 24 hours to protect the surface from wind, sun or rain. Burlap should be placed over the concrete when surface has hardened sufficiently that the weight of the burlap will not scar the concrete surface. Wet burlap sufficiently to prevent moisture loss from the concrete during curing.

Any disturbed area adjacent to the newly constructed sidewalk shall be backfilled with earthen material suitable for establishing vegetation, and free of any trash, debris or rubble from demolition. Seeding, unless specifically called for in the plans or by the Engineer, shall be the responsibility of the adjacent land owner.



UTILITY/LIGHT POLE BLOCKOUT DETAIL

3'-0" Min.* is required for ADA access.

Project Desc:	HANCOCK STREET 2012
Project Number:	CIP-0007
Design Files:	I:\Public Works\CIP-0007_Hancock\2012\E-16_PlanPreparation\dgn\PavingStds\SidewalkDetails.dgn
Reference Files():	
Date Plotted:	4/13/2012
Plotted By:	RichardH
Pen Tables:	OFFICE_CHECK_20120206.TBL

McPHERSON
CITY OF McPHERSON, KANSAS
PUBLIC WORKS DEPT.

REVIEWED BY	DATE	APP'D

DATE	REVISION	BY	APP'D

FINAL PLANS
APPROVED FOR CONSTRUCTION

HANCOCK STREET 2012
HARTUP ST TO PARK ST
MCPHERSON MIDDLE SCHOOL

SIDEWALK DETAILS
DETAILS FOR SIDEWALK CONSTRUCTION

PROJECT NO:	CIP-0007	FILE:	SidewalkDetails.dgn
WORK ORDER NO:	E-16	PLOT BY:	RichardH
CONSTR COMPL:		PLOT DATE:	4/13/2012
FIELD REVISIONS:		SHEET	21 OF 38