Kansas State School for the Blind

General Requirements:

- All concrete must be a minimum 4000 psi
- All concrete curbs must have two ½ inch rebar reinforcement the entire length of curb, and tied into existing curbs where applicable. Approximately 329 Linear feet of curbing(Ribbon Style)
- All sidewalks will be 4 inches thick and have fiber mesh reinforcement, and tied into existing sidewalk with ½ inch rebar at 2' centers, where applicable.
- All concrete work must have debris-free fill dirt level to edges, except west side of shed pad. See Group #6 for additional details.

Special Requirements:

- The entire utility shed pad and driveway must be 6 inches thick with ½ inch rebar reinforcement on 2 foot centers both directions, with 4 inch gravel base. See Group #6 for additional details.

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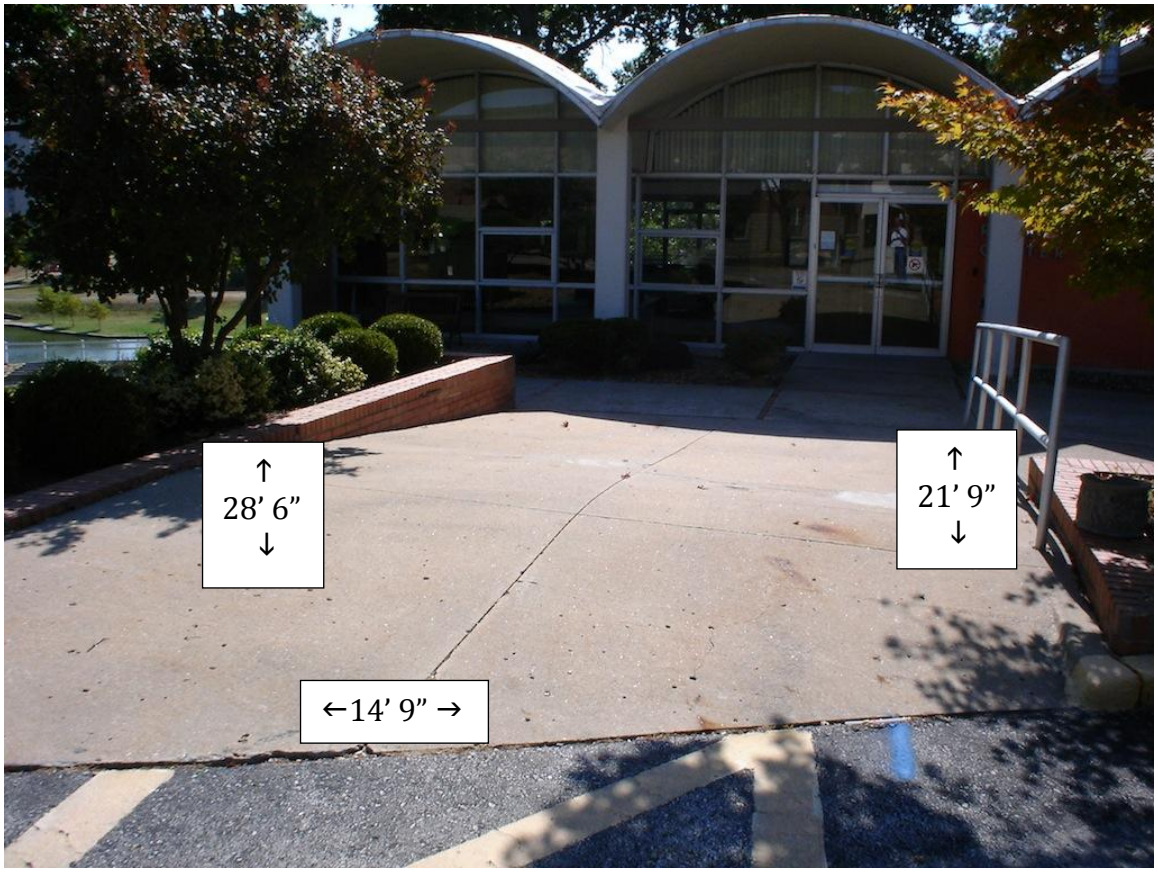
Rec Center Repairs, Group 1
1-1

1. The four existing cracked concrete slabs adjacent to tree stump must be removed. 17' 6" x 12'. The area exposed will be converted to flower garden space and have clean fill dirt put in place of the four removed cracked slabs.
2. The existing white curb adjacent to the cracked concrete slabs pictured above must be replaced with new ribbon curb (similar to newer curbs across the street). We are trying the achieve uniformity with the newer look.

Total Curbing to be replaced is approximately 216 linear feet along entire front of Rec Center building and along driveway.

1-2



1. Remove all concrete between asphalt road and building, and between existing brick garden walls.
2. Pour new ribbon curbing, wide ADA ramp and sidewalk in place of removed concrete. Curb is approximately 169’ from South side of ADA walk and south along Rec building parking and on south to storm drain along driveway.
3. Make sure water runoff from road does not wash down toward building.
4. Reuse existing metal railing if possible (pictured above on right hand side of picture).

Ramp Measurements Approximately: 28’ 6” x 14’ 9” x 21’ 9”

1-3

1. Remove all existing concrete and brick spacers up to edge of Rec Building up to sidewalk from north end of building and along brick garden wall and building.
2. Prepare area that is currently dirt, gravel and plantings next to building for new concrete between brick garden wall and building.
3. Pour concrete between brick garden wall and building. We want entire area covered with concrete.

Approximate measurements: 48' 3" from North end of Rec Building and south toward edge of Rec building parking lot. Then 17' 6" from front doors and along building to edge of ADA ramp and planter box

1-4

1. Remove existing concrete, brick spacers and curbing.
2. Prepare area that is currently dirt, gravel and plantings next to building for new concrete.
3. Pour concrete sidewalk and ribbon curbing (similar to newer curbs across the street). We are trying the achieve uniformity with the newer look.

Approximate measurement: 56’ 6” x 6’

1-5

Also, addressed in 1-4.

1. Remove existing concrete up to sidewalk on north end of Rec building and brick spacers between brick garden wall and building.
2. Prepare area that is currently dirt, gravel and plantings next to building for new concrete between brick garden wall and building.
3. Pour concrete between brick garden wall and building. We want entire area covered with concrete.

1-6

1. Remove all existing concrete between asphalt road and stairs, and along existing brick garden wall.
2. There may be a foundation issue causing the existing curb to shift and buckle. Additional soil stabilization (rock, compaction, etc…) may be necessary before proceeding with new curbing.
3. Pour new ribbon curbing and sidewalk in place of removed concrete.
4. Make sure water runoff from road does not wash down toward building.
5. The existing white/yellow curb adjacent to the concrete slabs pictured above must be replaced with new ribbon curb (similar to newer curbs across the street). Again, we are trying the achieve uniformity with the newer look.

Approximate measurement: Triangular curved shape with extension toward steps, 38' x29' x 30'. Curb length of 47 linear feet

Irwin Building Repairs, Group 2
2-1 (Front)

1. Prepare area that currently has plantings next to building for new concrete sidewalk along building.
2. Pour concrete sidewalk that is approximately (5 feet 10 inches) wide from existing sidewalk to existing patio (top of picture). 39ft. 6 in. Length
3. Pour concrete connector sidewalk that is 4 ft. wide between newly poured sidewalk and existing sidewalk along patio retaining wall. (There are stepping blocks currently there).

2-2 (Back)

1. Remove all existing concrete, starting with newer concrete slab (not shown) next to and along south side of Irwin Building and West up to ramp to lower level.
2. Pour concrete sidewalk that is same width as existing sidewalk with curved radius at corner.
3. Install slight retaining edge along sidewalk where timber is currently used to keep soil runoff from covering sidewalk.

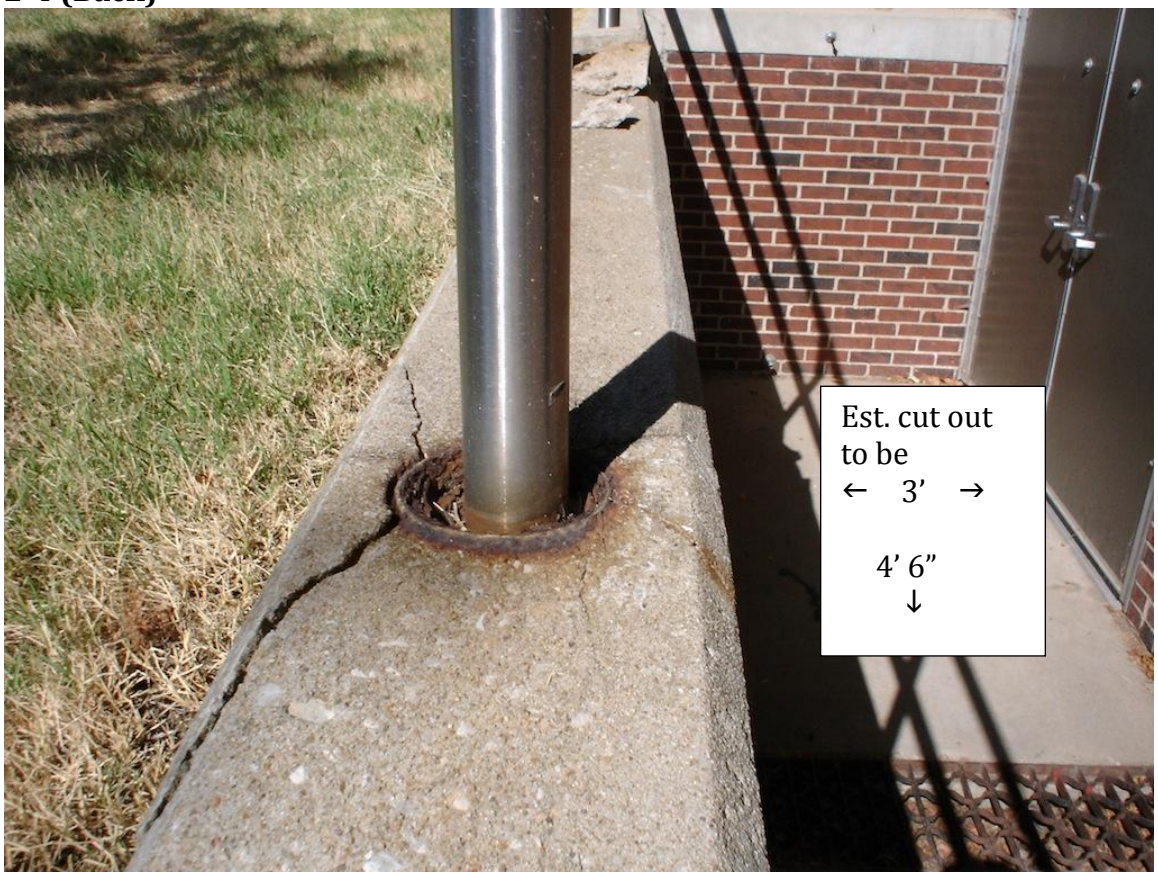
Approximate measurements: From corner up to saw cut at AC pad 29' 4" L x 5' 7" W,
Angled area at corner 8'L x 4' 8"W x 5' 6"L (Do not have length of angled side)
Walk along South side of Irwin up to Ramp to lower level is 43' 8" L x 5' W
(Caulking along walk and edge of brick required.)

2-3 (Back)

1. Repair concrete wall and seal around base of metal railing along entire wall to prevent continued deterioration.

NOTE: We are not able to fund the replacement of the entire wall, but need specific repairs at critical points.

2-4 (Back)



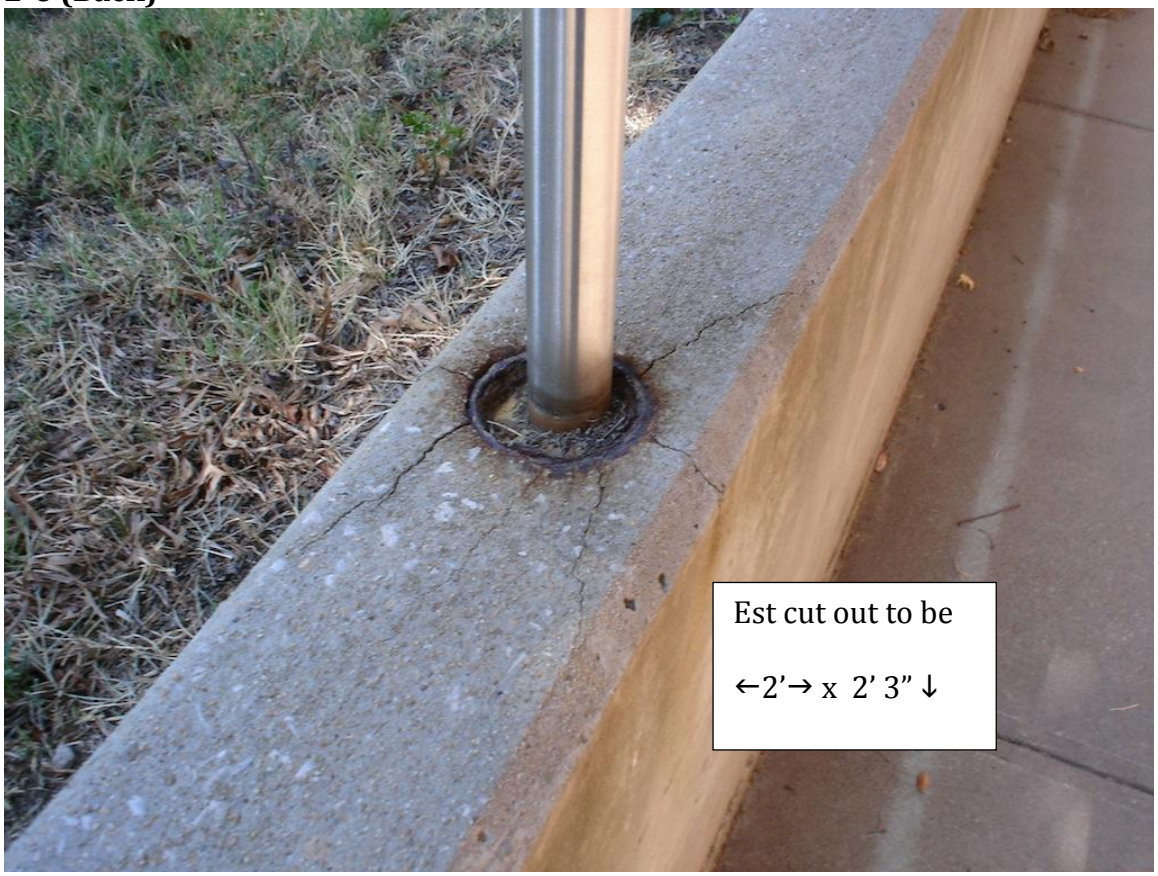
1. Repair concrete wall and seal around base of metal railing along entire wall to prevent continued deterioration.

Also to include post next and to the east of the one pictured above. Cut out to be Est. ←2' → x 1' 6" ↓

2-5 (Back)

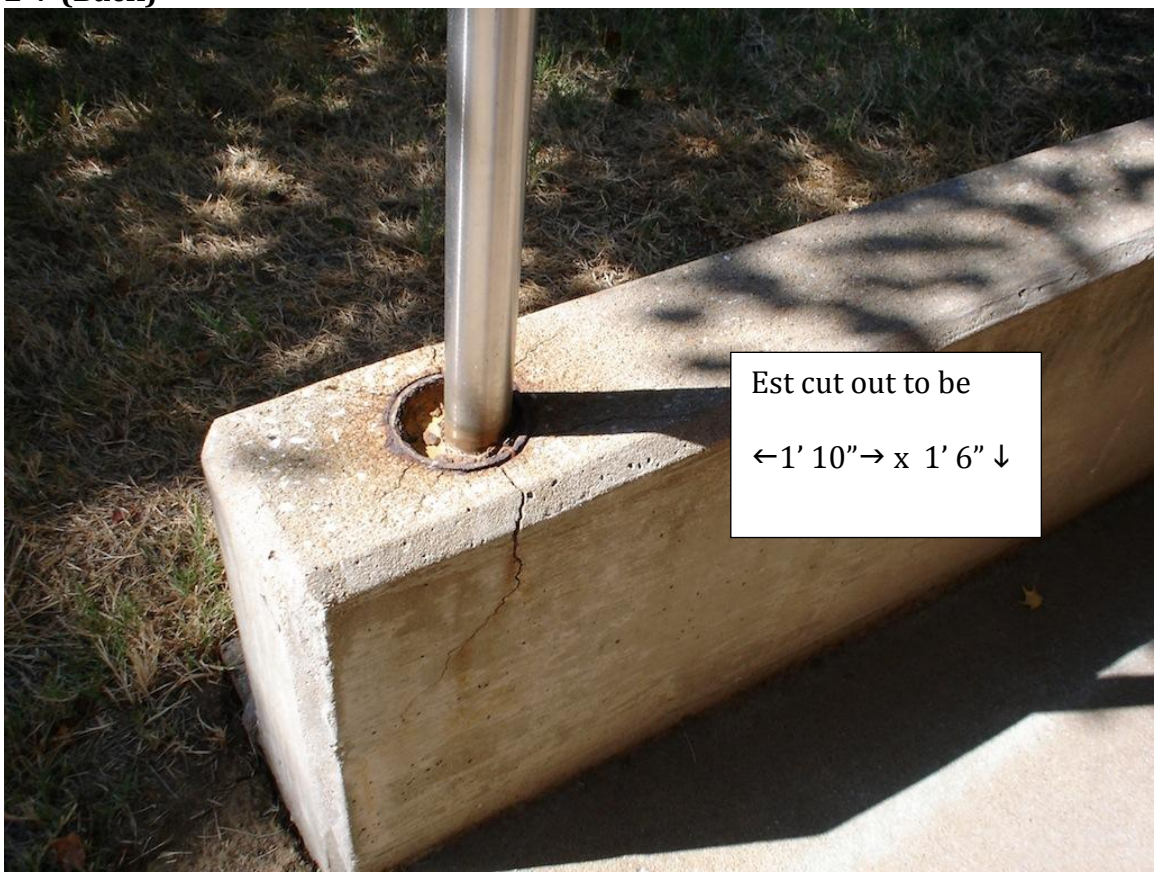
1. Repair concrete wall and seal around base of metal railing along entire wall to prevent continued deterioration.

2-6 (Back)



1. Repair concrete wall and seal around base of metal railing along entire wall to prevent continued deterioration.

2-7 (Back)

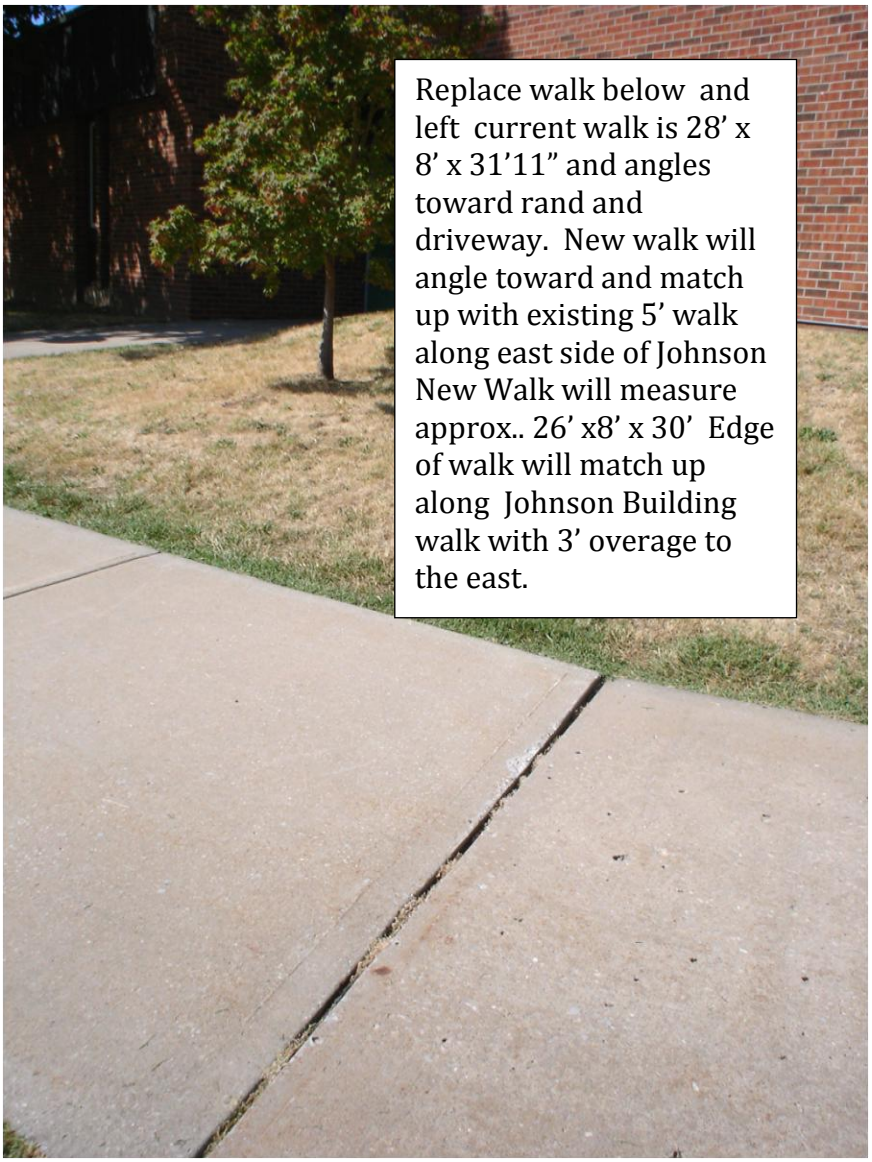


1. Repair concrete wall and corner section and seal around base of metal railing along entire wall to prevent continued deterioration.

Johnson Building Sidewalk Repairs, Group 3
3-1

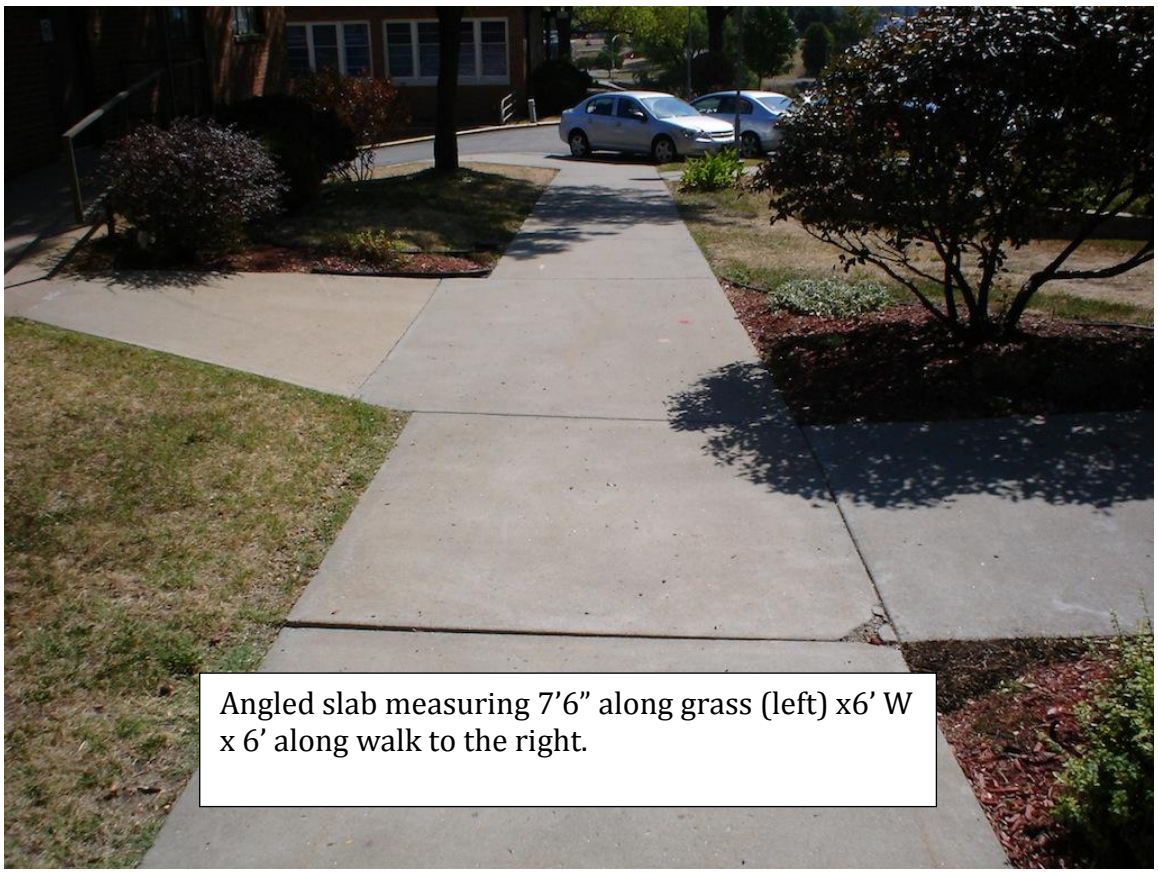
1. Remove existing concrete ramp and install new ADA ramp.
2. Address rough edge (pictured above) where concrete drive meets existing ramp.

3-2



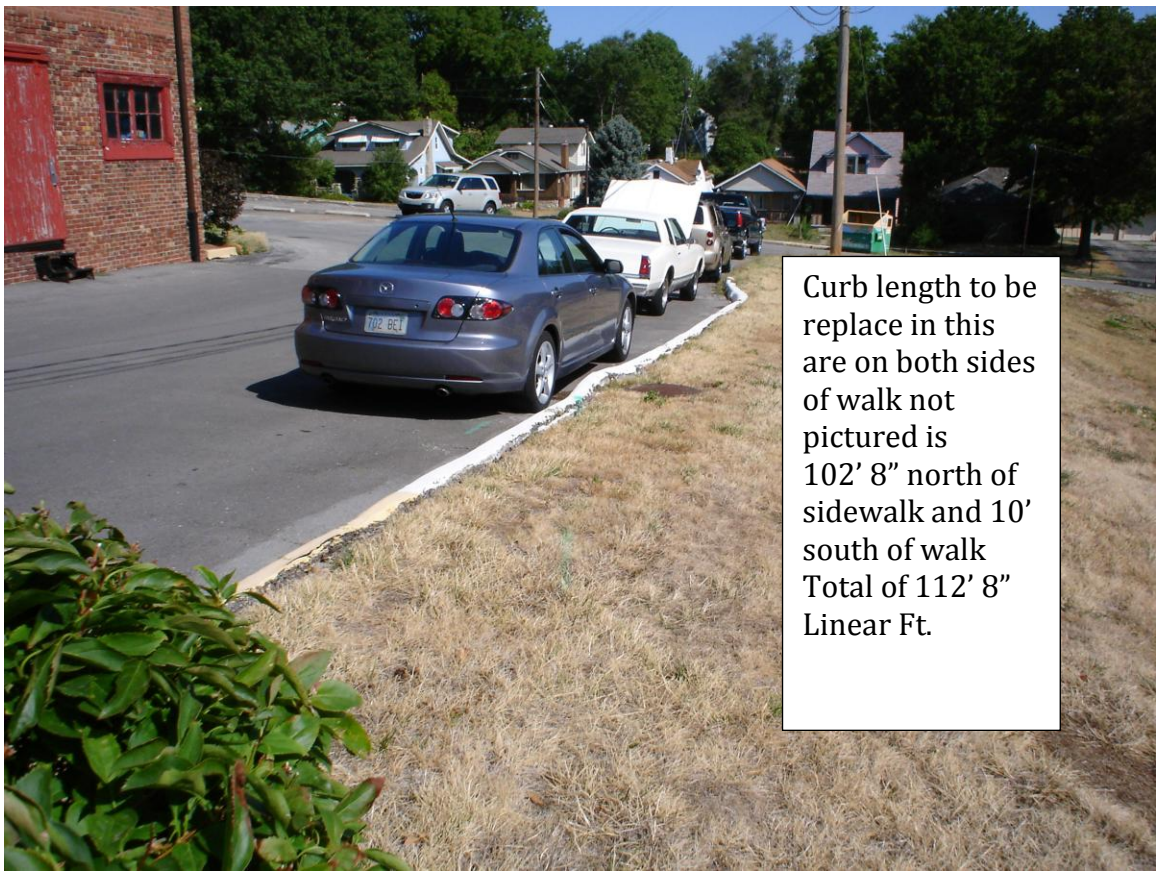
1. Remove and replace sidewalk starting large separation at joint, South towards existing 5' walk located south of entrance walk.

Dining Hall Sidewalk, Group 4
4-1



1. Remove square concrete section with broken corner.
2. Pour new concrete section.

Maintenance Building Drive Repairs, Group 5
5-1



1. Remove all existing crumbling asphalt curb, between non-ribbon curbing that is in good condition (near bush bottom left of picture, not shown) and the newer ribbon curbing that starts near power pole (in foreground near yellow and green recycling dumpster in picture).
2. Install new ribbon curbing. Again, we are trying the achieve uniformity with the newer look.

Note: There is a walkway (not pictured) that comes up the hill that has a cut out ramp between the existing crumbling curb. We will **not** be replacing the existing ramp with an ADA ramp at this time. However, the crumbling curbing will need to be replaced with ribbon curbing on both sides of this pedestrian area. Future plans are the replace the steep walkway on the hillside and have an ADA ramp designed as part of new stairs.

5-2

1. Cut existing curb (painted yellow), reform and repair retaining wall/curb to allow water to shed into existing storm drain.
2. Remove and Replace 23' 6" L x 2' 6" W of linear feet of concrete cap on existing stone wall East side of Boiler Room Ramp and 22'L x 2' 6" W of linear feet of concrete cap on existing stone wall West side of Boiler Room Ramp (not shown, but near this area) that leads to basement of maintenance building and replace with new concrete. Recommend beveled cap poured from 6" to 4" from Stone Face edge and slope down toward lawn and landscape side of wall.

This is on a steep hill and deliveries are made up this hill and drivers sometimes have to back down. Safety rail or solid curb with drain inlets possibly needed.

Utility Shed Pad, Group 6
6-1

1. Prepare area by removing asphalt circles. Excavate and level the slab and driveway area to a depth of 6 inches.
2. Backfill the excavation areas with 4 inches of gravel, then compact.
3. Pour pad 18 feet wide and 25 feet long. Reference: Shed dimensions are 16 feet wide and 20 feet long. Extra 2 feet width allows for slight overlap, approx. 6 inches on each side of shed and a soil retaining edge (see item #4 below). The extra 5 feet of length allows for a hard surface in front of shed door and garage door.
4. Along the west side of pad the hill slopes down towards the pad with the potential of future soil erosion to eventually wash into the shed. A slight retaining edge (specific height to be determined) must be included in the design and pouring of the pad.
5. Pad will need to be parallel to drive, with pad width going east/west and pad depth going north/south.
6. Pour 10 foot wide driveway between pad and existing asphalt drive. Specific length of driveway should be no less than 16 feet between pad and existing asphalt drive curbing.
7. Connect pad to existing asphalt drive with driveway to allow for vehicle to be stored in shed. Tie pad to driveway and driveway to existing curbing with ½ inch rebar reinforcement on 2 foot centers.
8. The entire <u>utility shed pad</u> **and** adjoining driveway must be 6 inches thick with ½ inch rebar reinforcement on 2 foot centers both directions.
9. Pad must be at least 10 feet away (the more distance the better) from athletic running track curbing (not pictured).
10. All final work must have debri-free <u>fill dirt</u> level to edges, except retaining edge on west side of pad. West side of pad needs fill dirt to cover foundation but low enough to prevent future erosion from washing over into shed (specifics to be determined).

Bids **must** have individual costs listed for each of the groups 1, 2, 3, 4, 5 & 6 (example Irwin Building repairs 2-1 thru 2-7 are all group 2).

It is our goal to have all groups completed at one time, however, we may need to eliminate a group from consideration depending on total project cost or in the event we must divert funds to address other unforeseen business necessities.