Fort Apache Historic District
Sidewalk/Curb Modifications
along Officer’s Row
Fort Apache, Arizona
for the
Fort Apache Heritage Foundation

Project Intent

1. Remove all existing concrete sidewalks, curbs and replace with new concrete sidewalks
   and as indicated on these drawings.
2. Remove existing wood fence along Bldg. 101 and replace with new fence as indicated on
   these drawings.
3. Some of the existing concrete curbing and concrete sidewalks will be removed by the Water Main
   Contractor in order to install a new water main and related laterals and water meters. The Water
   Main Contractor shall be responsible for replacing and compacting any excavation required
to complete this work and back fill from grade finish of existing grade.
4. The existing water main shall be replaced with new galvanized steel water main. The Water
   Main Contractor shall be responsible for replacing and compacting any excavation required
to complete this work.
5. The Contractor shall provide three 4" x 4" samples of the new concrete sidewalk and three 4" x 4"
   samples of the concrete curbing for approval of color, texture and profile of the final installation.

Project Specification

General: Contractor shall be responsible for providing plans, specifications, and quantity estimates for
connection with the materials to be installed and any other necessary information as required by
the Engineer.

Concrete:
1. Shall be ready mix concrete in accordance with ASTM C94, 2500 psi concrete. Cement
   and aggregate to be as per drawings and included in quantities as indicated on drawings.

2. Contractor shall provide test cylinders on at least 3 occasions during the entire project. Concrete
   cylinders shall be tested to ensure that concrete is meeting specifications.

3. Concrete must be cured in accordance with ASTM C94 and ASTM C1074.

4. The existing wood fence along Bldg. 101 will have to be temporarily removed and replaced. Once the
   wood fence has been replaced, and the sidewalk is in place, the original fence shall be
   re-erected. Contractor shall assure that each section of the existing wood fence is placed back in its
   original location.

5. Maintain exposed elevation of the original concrete sidewalk with all existing secondary wood and concrete
   sidewalks in a uniform condition.

6. The new concrete sidewalk shall have hand tooled joints at ±4' o.c. to match the original hand tooled
   joints.

7. The width and location of the new sidewalks and curbs shall match the width and location of the
   original sidewalk and curb.

8. The existing wood fence along Bldg. 101 shall have to be temporarily removed and replaced. Once the
   original wood fence has been replaced, and the new sidewalk is in place, the original fence shall
   be re-erected. Contractor shall assure that each section of the existing wood fence is placed back in its
   original location.

9. Maintain elevation of the original sidewalk with all existing secondary wood and concrete sidewalks in a
   uniform condition.

10. Maintain exposed elevation of the original concrete sidewalk at all new pours. All new extended lengths of
    concrete shall maintain vertical exposure to match connected exposure, unless otherwise approved. All new
    concrete curbing shall be a min. 4" into the existing grade, or match depth of original sidewalk and curb.

11. Remove existing concrete sidewalk and concrete curbing using mobile equipment.

12. Protect and maintain all existing vegetation along the original sidewalks where and as noted on the
    drawings.

Sheet Index

A-1 Overall Site Plan
A-2 Site Detail, Areas A&B/Details
A-3 Site Detail, Area C

Scale: 1" = 100'

Note: Contractor shall provide a cost per linear foot for standard concrete sidewalk installation and a separate
quote for special concrete sidewalk installation. Contractor shall provide a cost per linear foot for standard
curbing installation and a separate quote for special curbing installation.

Examine existing curbing exposure and match as close as possible.

Construction of sidewalks: 1/2" expansion material at all concrete expansion joints, 1/2" expansion material at
all concrete curb expansion joints, and 1/2" expansion material at all concrete sidewalk joints.

Expansion Joints:
- Shall conform to ASTM A615, Grade 40 deformed bars for all bars #4 and smaller.
- shall be Class C8 expansion joints (see Table 17.3.5.2.2.4 in ACI 318) for bars #12 and larger.

Note:
- Contractor shall provide a cost per linear foot for standard concrete sidewalk installation.
- Contractor shall provide a cost per linear foot for standard concrete curbing installation.
General Notes:

1. Existing concrete and rock in roadway to remain.
2. Tapered curbs to grade, typical both sides of driveway.
3. Add new sidewalk extension to road side of curb as shown.
4. Estimated length in which the Water Main contractor will remove ±2LF of concrete curbing for future irrigation and/or electrical, typical 12 locations along sidewalk.
5. Indicates ± 2LF of curb cuts at new water line service. Curbing and sidewalk to be cut and removed by contractor to locate lines, cut existing curbing at ±2 wide each and concrete sidewalk as required. This modification is not a part of this work indicated.
6. Indicates existing curbing to remain.
7. Indicates existing street lamps to remain, typical 9 locations.
8. Indicates new concrete sidewalk along entire length of Officer’s Row.
9. Indicates typical location of existing water meters.
10. Indicates ±2LF of curb cuts at new water line service. Curbing and sidewalk to be cut and removed by contractor to locate lines, cut existing curbing at ±2 wide each and concrete sidewalk as required. This modification is not a part of this work indicated.
11. Existing vegetation to remain, protect during demolition and placement of new concrete sidewalk.
12. Existing wood or concrete walkway to individual buildings to remain, no work required. New sidewalk to be provided to match original formwork.
14. Minimum 6" trench, backfill w/ native soil, tamp.
15. Existing grade, finish grade to ±50'.
16. There are no visible water meters located at these buildings (101, 108 & 109). Water main contractor to locate lines, cut existing curbing at ±2 wide each and concrete sidewalk as required. This modification is not a part of this work indicated.
17. Indicates ±2LF of curb cuts at new water line service. Curbing and sidewalk to be cut and removed by contractor to locate lines, cut existing curbing at ±2 wide each and concrete sidewalk as required. This modification is not a part of this work indicated.
18. Provide 3" PVC piping below sidewalk and min. 6" beyond edges of sidewalk w/ caps at both ends for future irrigation and/or electrical, typical 12 locations along sidewalk.
19. New access to be provided for the unit to be completely removed, this modification is not a part of this work indicated.
20. Existing sidewalk to remain.
21. Existing remanent stone wall to remain.
22. Existing sidewalk to remain.
23. Remove ±10LF of existing concrete curbing this area.
24. Remove 4' of curbing at this end and provide new curb termination per Detail 3/A-3.
25. Existing sidewalk to be removed and replaced with new from finish road.
26. Termination of ±1,590 LF of concrete sidewalk.
27. Estimated location in which the Water Main contractor will remove ±2LF of concrete curbing for future irrigation and/or electrical, typical 12 locations along sidewalk.
28. Saw cut existing depressed curbing this area to height of existing exposed curbing and replace w/ full curbing extending at least 6' beyond sidewalk, cut and replace existing curbing at ±160' and ±15'.
29. Existing grade, finish grade to ±160'.
30. Existing grade, finish grade to ±36'.
31. Provide 3' of new curbing and sidewalk to match original formwork.
32. Slope new sidewalk at 1:12 slope to flush condition w/ porch elevation.
33. Approximate location of sidewalk section that will be saved. Saw cut sidewalks to save the indicated area.
34. Add new sidewalk extension to road side of curb as shown.
35. Tapered curb to grade, typical both side of driveway.
36. Remove all railroad ties along this existing sidewalk, typical entire length.
37. New concrete sidewalk, match original formwork, intent is to match original formwork.
38. Min. 6" trench, backfill w/ native soil, tamp.
39. Min. 12" trench - backfill w/ native soil, tamp.
40. New railroad ties to be provided at locations as indicated per Detail 2/A-3, right side.
41. Provide continuous Rein T88, typ.
42. Provide continuous Rein T88, typ.
43. Provide continuous Rein T88, typ.
44. Provide continuous Rein T88, typ.
45. Provide continuous Rein T88, typ.
46. Taking asphalt at street side, cut back on indicated by ±50' to existing curbing and install new curbs w/ bullnose edging per Detail 2/A-3, right side.
47. Placing asphalt at this location, typical wording.
48. Min. 6" trench, backfill w/ native soil, tamp.
49. Min. 12" trench - backfill w/ native soil, tamp.
50. New railroad ties to be provided at locations as indicated per Detail 2/A-3, right side.
51. Minimum 9" trench - backfill w/ native soil, tamp.
General Notes:

1. Existing concrete curbing to remain.
2. Curb cuts, cut both sides back ±2' and provide new curbs w/ bullnose edging per Detail 2/A-3.
3. Provide 3" PVC piping below sidewalk and min. 6" beyond edges of sidewalk w/ caps at both ends for placement of new water line and meter.
4. Provide new curb and sidewalk replacement to be completed under this contract.
5. New curb and sidewalk replacement to be completed under this contract.
6. Water main Contractor to locate lines, cut existing curbing at ±2 wide each and concrete sidewalk as required. This modification is not a part of the work indicated.
7. Provide 3" PVC piping below sidewalk and min. 6" beyond edges of sidewalk w/ caps at both ends for placement of new water line and meter.
8. New curb and sidewalk replacement to be completed under this contract.
9. Indicates typical location of existing water meters.
10. Indicates typical location of existing water meters.
11. Existing vegetation to remain, protect during demolition and placement of new concrete sidewalk.
12. Existing vegetation to remain, protect during demolition and placement of new concrete sidewalk.
13. There are no noticeable water meters located at these buildings (101, 108 & 109). Water main Contractor to replace cut curbing and concrete sidewalk, typical 3 locations.
14. Provide new curb and sidewalk replacement to be completed under this contract.
15. There is ±160 LF of existing concrete curbing and 8 railway ties that are to be removed and new curbing placed.
16. There are no noticeable water meters located at these buildings (101, 108 & 109). Water main Contractor to replace cut curbing and concrete sidewalk, typical 3 locations.
17. Approximate location of sidewalk section that will be saved. Saw cut sidewalks to save the indicated concrete and place on wood pallet beside removal location, typical ±12 locations. Not all sections to be saved have been marked on the drawings, coordinate final locations w/ Owner at time of work.
18. New curb and sidewalk replacement to be completed under this contract.
19. New access road to parking for this unit to be completed by others, this modification is not a part of the work indicated.
20. Provide new curb and sidewalk replacement to be completed under this contract.
21. Remove existing sidewalk at roadway, replace w/ new flush w/ finish road.
22. Remove existing sidewalk at roadway, replace w/ new flush w/ finish road.
23. Remove ±10LF of existing concrete curbing this area.
25. Termination of ±1,590 LF of concrete sidewalk.
27. Estimated location in which the Water Main Contractor will remove ±2LF of concrete curbing for placement of new water line and meter.
28. New concrete sidewalk extending east along Officer’s Row, remove, replace, add as noted.
29. Remove existing gravel (depth ±6") in this shaded area and provide clean soil to adjacent elevations at ground, sidewalk and curbing.
30. Slope new sidewalk at 1:12 slope to flush condition w/ porch elevation.
31. New concrete sidewalk extending east along Officer’s Row, remove, replace, add as noted.
32. Provide 3" PVC piping below sidewalk and min. 6" beyond edges of sidewalk w/ caps at both ends for placement of new water line and meter.
33. Approximate location of sidewalk section that will be saved. Saw cut sidewalks to save the indicated concrete and place on wood pallet beside removal location, typical ±12 locations. Not all sections to be saved have been marked on the drawings, coordinate final locations w/ Owner at time of work.
34. Provide 3" PVC piping below sidewalk and min. 6" beyond edges of sidewalk w/ caps at both ends for placement of new water line and meter.
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