

ITEM NO. 9000-0007 RESET EXISTING FENCE

DESCRIPTION -

This work is the removal, resetting, replacement, and reconnection of the existing fence on Parcel 15 as indicated or directed.

MATERIAL –

- Match existing fence height, type and configuration.
- Existing fence posts, chain fencing, ties, bands or clamps.

CONSTRUCTION –

Remove the existing posts and store both the posts and the fence components on site. Remove loose soil and hardened concrete from fence posts. Once final graded grading is complete, reset fence as indicated or directed. Replace, remove, and properly dispose of any existing fence or components that are damaged during removal, storage, or replacement.

MEASUREMENT AND PAYMENT –

Linear Foot.

Includes the removal and proper disposal of existing fence or components that are damaged during the removal or replacement.

ITEM NO. 9000-0035 RESTORATION OF PARCEL 15 LANDSCAPING AND FLAGPOLE

DESCRIPTION -

This work involves the removal, storage, resetting, regrading, and restoration of the existing landscaping plantings, flagpole, and other appurtenances on Parcel 15 as indicated or directed.

MATERIAL –

- Mulch, to match color of existing mulch
- Existing shrubs and plantings
- Existing flagpole and appurtenances

CONSTRUCTION –

Remove the existing plantings, flagpole, and appurtenances and store them on site. Remove loose soil and hardened concrete from the flagpole. Once final grading is complete, reset the flagpole as indicated or directed. Embed the base of the flagpole as originally installed. Replace, remove, and properly dispose of any existing plantings or components that are damaged during removal, storage, or replacement. If plantings are damaged during removal, replace them with similar plantings at no additional cost. After plantings are reset, place mulch at a depth of 4 inches around the plantings.

MEASUREMENT AND PAYMENT –

Lump Sum.

Includes the replacement of existing plantings or components that are damaged during the removal or restoration.

ITEM 9000-0042 – CEMENT CONCRETE STEPS-PARCEL 15

DESCRIPTION – This work is the construction of cement concrete steps within Parcel 15 as indicated and directed.

Coordinate construction of cement concrete steps with construction of the adjacent Wall 3 moment slab.

MATERIAL –

- Structure Backfill – Section 205.
- Class AAA Cement Concrete – Section 704.
- Premoulded Expansion Joint Filler – Section 705.1.
- Joint Sealing Material – Section 705.4(a).
- Epoxy Coated Reinforcing Steel – Section 709.
- Forms – Section 1001.2(h).
- Protective Coating for Reinforced Concrete Surfaces (Penetrating Sealers, Bridge Superstructure) – Section 1019.
- Pedestrian Railing for Stairs – See special provisions.

CONSTRUCTION — In accordance with applicable portions of Section 676 and as follows:

- Construct cement concrete steps to the line and grade indicated. Coordinate construction of the cement concrete steps with the adjacent Wall 3 moment slab.
- Apply protective coating only if concrete is placed between September 1 and March 1 per Publication 408, Section 1001.3(k)6.
- Architectural treatments are not required for cement concrete step surfaces.
- Restore surrounding ground to the original existing ground elevations with suitable embankment material and/or topsoil per Section 676.3(i).

MEASUREMENT AND PAYMENT – LUMP SUM

Protection of existing private property to remain is incidental to this item. Damage caused to existing property during construction operations to be repaired to the Representative's satisfaction at no cost to the project.

Incidental tools or material required to construct the cement concrete steps are included in this item.

ITEM 9000-0051 – DECORATIVE PEDESTRIAN FENCE, BOLTED ANCHORAGE

DESCRIPTION—This work is the detailing, fabrication, galvanizing, shop painting, supply, and erection of new structural steel fence systems in accordance with Sections 1016, 1022, 1050, 1060, 1070, and 1072 as applicable.

MATERIAL –

- Structural Steel – Section 1105.
 - AASHTO M270, Grade 36 (ASTM A709, Grade 36), material other than HSS.
 - HSS: ASTM A500 Grade B.
- Bolts, Nuts, and Washers – Section 1105.
- Galvanizing – Section 1105.
- Caulking Compound – Section 705.7. Compatible with the chosen paint system.
- Anchor Bolts – Section 1105.02(c)3.
- Paint – Section 1060.2(f).
 - Paint all fence elements in the shop.
 - Finish coat to be Federal Color No. 27038, Black, Semi-Gloss.

CONSTRUCTION—Perform this work in accordance with Sections 1016, 1060, and 1070, and as indicated.

Fabrication

- Perform paint application in the fabrication shop. Prepare galvanized surfaces to be painted in accordance with Section 1060.3(b)5.
- Before submitting shop drawings, visit the site and review all details of work.
 - Review existing field conditions, as-built conditions, and dimensions.
 - Provide final, field-set fence post anchor bolt locations to the fabricator for their use in preparing shop drawings. Include any site conditions which prevent fabrication or installation of the structural steel fence system, as per plan. to the Representative for review.
 - No additional payment will be allowed because of lack of knowledge of any existing conditions discernible from observation at the site.
- Submit shop drawings per Section 105. Do not begin work until the shop drawings have been approved by the Representative.
- Railing fabrication and installation must comply with the ADA Accessibility Guidelines (ADAAG), dated 2002.

Installation

- Set anchor bolts to true alignment and grade using metal templates. Inspect and repair galvanizing on projecting portions of anchor bolts as specified in Section 1105.02(s)2. Installation of anchor bolts after concrete has cured is not permitted.
- Install protective fencing by bolting to preset anchor bolts. See the contract drawings for additional details.
- After completing fence installation, the Representative will inspect the complete fence system. Repair paint system damage in accordance with Section 1070.3(d)7.
- Paint fasteners after installation and final tightening per Section 1072.

MEASUREMENT AND PAYMENT – LINEAR FEET

Fence system complete in place including anchors, mounting details, handrail, and all necessary appurtenances.

PEDESTRIAN RAILING FOR STEPS

DESCRIPTION—This work is the detailing, fabrication, galvanizing, shop painting, supply, and erection of new ADA-compliant structural steel railing systems and decorative pedestrian fencing mounted in cement concrete steps, in accordance with the applicable portions of Sections 1012, 1022, 1050, 1060, 1070, and 1072 and as indicated.

This item includes fabricated decorative pedestrian fencing and steel pipe railing as indicated.

Fabricator to be listed in Bulletin 15, or to comply with Sections 105 and 106 and be approved to fabricate handrail for the City of Pittsburgh.

MATERIAL –

- Structural Steel – Section 1105. AASHTO M270, Grade 36 (ASTM A709 Grade 36).
- Bolts, Nuts, and Washers – Section 1105.
- Galvanizing – Section 1105.
- Caulking Compound – Section 705.7. Compatible with the chosen paint system.
- Anchor Bolts – Section 1105.02(c)3.
- Paint – Section 1060.2(f).
 - Paint all fence elements in the shop.
 - Finish coat to be Federal Color No. 27038, Black, Semi-Gloss.
 - Do not paint stainless steel or aluminum handrails.
- Handrail – Section 1105 and as follows:
 - 1-1/2-inch diameter Schedule 40 pipe, Type 304 Stainless Steel, or
 - 1-1/2-inch diameter Schedule 40 pipe, ASTM B241 Alloy 6061-T6 or 6063-T6, aluminum pipe, suitable for outdoor use, or
 - 1-1/2-inch diameter Schedule 40 pipe, ASTM B429 Alloy 6061-T6 or 6063-T6, aluminum pipe, suitable for outdoor use.
- Posts – Section 1105 and as follows:
 - 1-1/2-inch diameter Schedule 80 pipe, Type 304 Stainless Steel, or
 - 1-1/2-inch diameter Schedule 80 pipe, ASTM B241 Alloy 6061-T6 or 6063-T6, aluminum pipe, suitable for outdoor use, or
 - 1-1/2-inch diameter Schedule 80 pipe, ASTM B429 Alloy 6061-T6 or 6063-T6, aluminum pipe, suitable for outdoor use.
- Pipe Handrail Material Finish – Glass bead blast with a 35-45 Rs surface finish. Wrap the handrail in protective plastic after fabrication. After installation, remove the plastic wrapping completely and dispose of properly.
- Non-Shrink Grout – Section 1001.2(d).

CONSTRUCTION—Perform this work in accordance with the applicable portions of Sections 1012, 1022, 1050, and 1060, in general conformance with the details shown in Standard Drawing BC-716M and as follows:

Fabrication

- Detail handrails in accordance with the contract drawings and City of Pittsburgh Standard Drawings.
- Shop assemble in lengths not exceeding 24 linear feet for field erection.