



Preliminary Acceptance Punchlist
El Paso County – Department of Public Works - Stormwater Section

Project Name:	Glen at Widefield F11
EDARP Filing Number(s):	ESQ2235
ESQCP Number:	SF204, CON2242
Attendees:	DPW SW: Natasha Grimaldo, Christina Prete, and Shannon Mustoe DPW Development Services: Brad Walters, David Parkerson, Amanda Rivera, and Spencer Pirzadeh Developer: Rudy Cross and Ryan Watson
Date of Walk-Thru:	04/10/2024
Walk-Thru Number:	1 st

When all items below are completed, please let your inspector know as soon as possible so they can come out to the project to confirm.

Findings to be addressed prior to scheduling a follow-up walk-thru:

Defect Warranty Items for Final Acceptance (During/After Defect Warranty Period)

- Ensure ponds and surrounding areas achieve adequate vegetative coverage prior to Final Acceptance.

Items for Preliminary Acceptance

Site Wide:

- Submit a spec sheet and PO/receipt for the seed mix purchased and used.

Stormwater Inlet Structures:

- Inlets that need to be cleaned of sediment and debris are marked with green paint. Reference example Photos 1-3.

Poa Annua Box Culvert:

- Install riprap rundown at left and right flowlines. Reference Sheet 11 of the Construction Drawings. Reference Photo 4.
- Install Type M riprap pad at culvert inflow point. Reference Sheet 29 of the Construction Drawings. Reference Photo 5.
- Regrade ditch north of culvert to match preexisting conditions and stabilize. Reference Photo 6.
- Fine grade culvert outfall and downstream swale to allow for positive drainage and stabilize. Reference Photo 7.

Pond D:

- Emergency Overflow: Confirm installation of soil riprap overflow on the east and west perimeter of Pennycress Dr. Existing spillway and rundown were to remain installed except where intercepted by Pennycress Dr. Reference Sheet 28 of the Construction Drawings. Reference Photos 8 and 10.
- Install Type M soil riprap with 3"-4" topsoil revegetated with seed mix. Current riprap does not consist of all Type M aggregate. Reference Sheet 28 of the Construction Drawings. Reference Photo 9.
- Pond Outfall: Confirm outfall elevation allows for positive drainage. Reference Photo 11.

- Remove sediment, debris, and trash from riprap rundown. (Item is also noted on the F10 FA Punchlist). Reference Photo 12.
- Pond Outlet Structure: Install orifice plate with the proper sized holes. Reference Sheet 30 of the Construction Drawings. Reference Photo 13.
- Pond Outlet Structure: Remove restrictor plate. Reference the Drainage Report. Reference Photo 14.
- Forebay J: Energy Dissipator Baffle was installed at 5'4" from the inflow pipe. Plans call for a distance of 7'6". Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings. Reference Photo 15.
- Forebay J: Inflow pipe measures 34"x53". Plans call for 19"x30". Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings. Reference Photo 16.
- Forebay J: Slot opening measures 10.5". Plans call for 7.8". Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings. Reference Photo 17.
- Forebay J: Install 16'x2'6" trickle channel at front of forebay per the approved plans. Reference Sheet 28 of the Construction Drawings. Reference Photo 18.
- Forebay J: Forebay measures 13'x17'2". Plans call for 23'x19'. Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings. Reference Photo 19.
- Pond: Trickle channel measures 1'. Plans call for 2'. Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings. Reference Photo 20.
- Forebay H: Fill in soil riprap to be free of voids and flush with grade. Reference Photos 21 and 22.
- Forebay H: Install 16'x2'6" trickle channel at front of forebay per the approved plans. Reference Sheet 28 of the Construction Drawings. Reference Photo 23.
- Forebay H: Spillway measures 17'11". Plans call for 12'. Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings. Reference Photo 24.
- Forebay H: Energy Dissipator Baffle was installed at 6'5" from the inflow pipe. Plans call for a distance of 7'6". Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings. Reference Photo 25.
- Forebay H: Additional inflow point installed in forebay. Confirm installation of pipe into forebay on the As-builts/Drainage Report. Reference Photo 26.
- Forebay J: Forebay measures 18'5"x26'10". Plans call for 23'x19'. Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings. Reference Photo 27.
- Pond: Install 15' maintenance access road with 12" Class 6 road base per the approved plans. Reference Sheet 28 of the Construction Drawings. Reference Photos 28 and 29.
- Near Forebay H: Remove old riprap rundown from slope. Reference Photo 30.

As-Built Drawings and Pond Certification

- Per ECM Chapter 5.10.6 As-Builts shall be submitted at the initiation of the Preliminary Acceptance process. Approved As-Builts are not required to enter the 2-yr defect warranty period. As-Builts must be approved by the ECM Administrator prior to Final Acceptance.

Please have your engineer submit the following items (if they haven't already):

- Engineering Record Drawings (As-Builts) consistent with Section 5.10.6 of the ECM.
 - Even if everything was built exactly per plan, we need an electronic PDF of the original drawings to be signed, dated, and stamped with "As-Built" on each sheet.
 - Differences from design to as-built conditions to be shown in red text with red clouds/bubbles.
- Volume Certification Letter(s) for pond(s), see ECM Chap 5.10.6.B for details on what type of statement should be included in the letter.

- Letter to be stamped by Engineer.
- State in the Certification Letter that the site and adjacent properties (as affected by work performed under the County permit) are stable with respect to settlement and subsidence, sloughing of cut and fill slopes, revegetation or other ground cover, and that the improvements (public improvements, site grading) meet or exceed the minimum design requirements.
- For sites including detention and/or water quality facilities, the Certification Letter shall include a statement that the facilities provide the required storage volume and will meet the required release rates.
- Re-submit UD-Detention spreadsheet per changes from the original design to the as-built condition. Can be included with Cert Letter.
 - If significant changes, we would also need to submit the updated UD-Detention calcs to the SDI Facility Notification website.

Photos:



Photo 1: Inlets that need to be cleaned of sediment and debris are marked with green paint.



Photo 2: Inlets that need to be cleaned of sediment and debris are marked with green paint.



Photo 3: Inlets that need to be cleaned of sediment and debris are marked with green paint.



Photo 4: Box Culvert: Install Type L riprap rundown at left and right flowlines. Reference Sheet 11 of the Construction Drawings.



Photo 5: Box Culvert: Install riprap pad at culvert inflow point. Reference Sheet 29 of the Construction Drawings.



Photo 6: Box Culvert: Regrade ditch north of culvert to match preexisting conditions and stabilize.



Photo 7: Box Culvert: Fine grade culvert outfall to allow for positive drainage and stabilize.



Photo 8: Emergency Overflow: Confirm installation of soil riprap overflow on the east perimeter of Pennycress Dr. Existing spillway and rundown were to remain installed except where intercepted by Pennycress Dr. Reference Sheet 28 of the Construction Drawings.



Photo 9: Install Type M soil riprap with 3"-4" topsoil revegetated with seed mix. Current riprap does not consist of all Type M aggregate. Reference Sheet 28 of the Construction Drawings.



Photo 10: Confirm installation of soil riprap overflow on the west perimeter of Pennycress Dr. Existing spillway and rundown were to remain installed except where intercepted by Pennycress Dr. Reference Sheet 28 of the Construction Drawings.



Photo 11: Pond Outfall: Confirm outfall elevation allows for positive drainage.



Photo 12: Remove sediment, debris, and trash from riprap rundown. (Item is also noted on the F10 FA Punchlist).



Photo 13: Pond Outlet Structure: Install orifice plate with the proper sized holes. Reference Sheet 30 of the Construction Drawings.



Photo 14: Pond Outlet Structure: Remove restrictor plate. Reference the Drainage Report.



Photo 15: Forebay J: Energy Dissipator Baffle was installed at 5'4" from the inflow pipe. Plans call for a distance of 7'6". Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings.



Photo 16: Forebay J: Inflow pipe measures 34"x53". Plans call for 19"x30". Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings.



Photo 17: Forebay J: Slot opening measures 10.5". Plans call for 7.8". Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings.



Photo 18: Forebay J: Install 16'x2'6" trickle channel at front of forebay per the approved plans. Reference Sheet 28 of the Construction Drawings.



Photo 19: Forebay J: Forebay measures 13'x17'2". Plans call for 23'x19'. Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings.



Photo 20: Pond: Trickle channel measures 1'. Plans call for 2'. Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings.



Photo 21: Forebay H: Fill in soil riprap to be free of voids and flush with grade.



Photo 22: Forebay H: Fill in soil riprap to be free of voids and flush with grade.



Photo 23: Forebay H: Forebay H: Install 16"x2'6" trickle channel at front of forebay per the approved plans. Reference Sheet 28 of the Construction Drawings.



Photo 24: Forebay H: Spillway measures 17'11". Plans call for 12'. Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings.



Photo 25: Forebay H: Energy Dissipator Baffle was installed at 6'5" from the inflow pipe. Plans call for a distance of 7'6". Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings.



Photo 26: Forebay H: Confirm installation of underdrain into forebay on the As-builts/Drainage Report.



Photo 27: Forebay J: Forebay measures 18'5"x26'10". Plans call for 23'x19'. Change structure to match approved plans or justify change in the As-builts/Drainage Report. Reference Sheet 28 of the Construction Drawings.



Photo 28: Pond: Install 15' maintenance access road with 12" class 6 road base per the approved plans. Reference Sheet 28 of the Construction Drawings.



Photo 29: Pond: Install 15' maintenance access road with 12" class 6 road base per the approved plans. Reference Sheet 28 of the Construction Drawings.



Photo 30: Near forebay H: Remove old riprap rundown from slope.