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

Project Name:	Widefield Park & Rec Improvements
EDARP Filing Number(s):	PPR2213, CON2261
ESQCP Number:	ESQ2250
Attendees:	DPW SW: Natasha Grimaldo, Ben Jones, and Mikayla Hartford DPW Development Services: David Parkerson and Brad Walters Developer: Justin Harrod
Date of Walk-Thru:	08-22-2023
Walk-Thru Number:	1st

Please have all items completed within six months of the date on this punchlist. If all items are not completed within six months, a new punchlist will be created. When all items 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:

Pond:

- Clean out sediment and debris from outlet structure and trickle channels.
- Remove excess sediment from the maintenance access road and reestablish road base.
- Grade out rilling along pond slopes and stabilize in various areas.
- Raise pond bottom to top of trickle channel curb with a 3% slope towards trickle channel for positive drainage.
- Confirm installation of the emergency overflow spillway. Spillway should be trapezoidal, 21' Weir width, with 4:1 slopes of 6' on either side. Reference sheet C7.5 of the Construction Documents.
- Fine grade rill erosion around the forebay and stabilize.
- Outlet structure: Replace trash screen with No. 93 Johnson Vee Wire or Equivalent. Reference sheet C7.5 of the Construction Documents.
- Outlet structure: Install bolts or locks on grate per the approved plans. Reference sheet C7.5 of the Construction Documents.
- Outlet structure: Install concrete cross-member or equivalent between the trash screen and orifice plate gap. Documents. Reference sheet C7.5 of the Construction Documents.
- Outlet structure: Confirm installation of gasket or silicone caulk around the orifice plate.
- Show underdrain pipe next to outlet structure on As-builts and update pond calculations as necessary if the pipe generates more flow to the pond than previously accounted for in the drainage maps and calculations.

Site wide:

- South of building: Install check dams within the drainage ditch per the approved plans. Reference sheet C8.2 of the Grading and Erosion Control Plans.
- Above Grouted riprap: Replace 12" pipe with 24" RCP with a FES per the approved plans. Reference sheet C8.2 of the Granding and Erosion Control Plans.
- South of building: Remove and replace grouted riprap with 18" Type M riprap pad per the approved plans and for positive drainage and erosion prevention. The riprap needs to be shaped for positive drainage, currently the

grouted riprap does not have a consistent shape with grouted rocks raised in the middle of the rundown. The riprap also should be buried in the ground so that the riprap is flush with the ground. Currently the riprap is a foot above the ground which is contributing to erosion from splashover especially downstream where the rundown meets the concrete lined channel. Reference sheet C8.2 of the Grading and Erosion Control Plans.

- Concrete channel: Repair rilling below the grouted riprap to prevent erosion underneath the concrete channel.
- SE corner of building: Show riprap pad on As-builts.
- NE corner of building: Remove sediment/debris that is clogging the uppermost area drain.
- NE corner of the building: Repair blow out, fine grade, and stabilize slope.

General:

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

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 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.
- 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, would need to also submit an updated SDI Form.

Photos:

	
Photo 1: South of building: Install check dams within the drainage ditch per the approved plans. Reference sheet C8.2 of the Grading and Erosion Control Plans.	Photo 2: Above Grouted riprap: Replace 12” pipe with 24” RCP with a FES per the approved plans. Reference sheet C8.2 of the Granding and Erosion Control Plans.

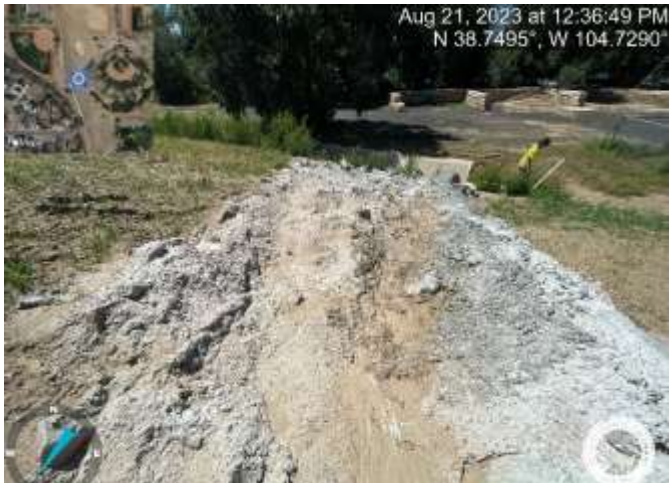
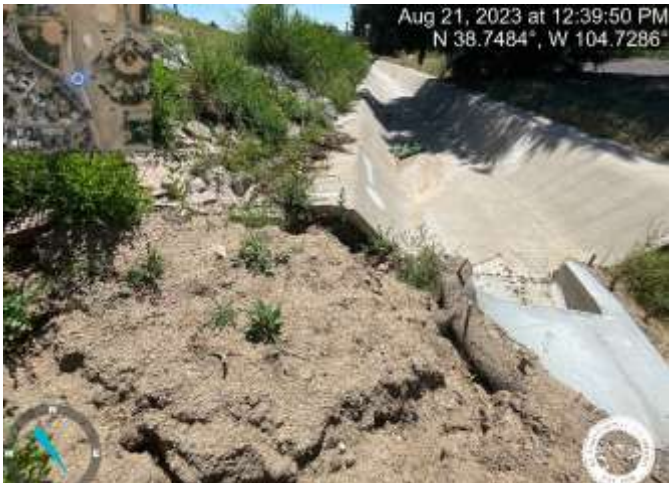
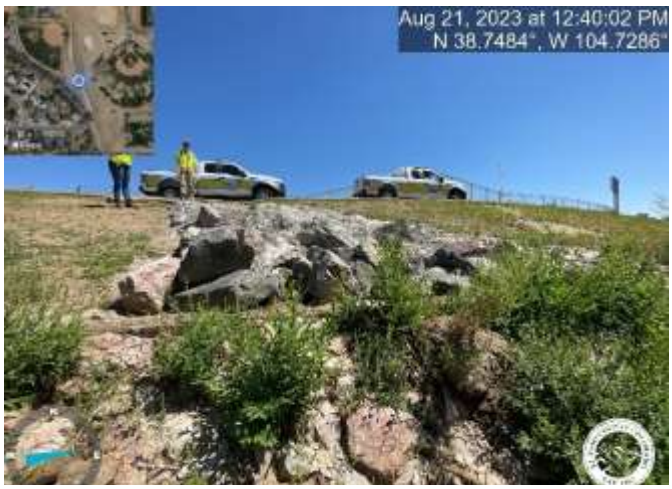
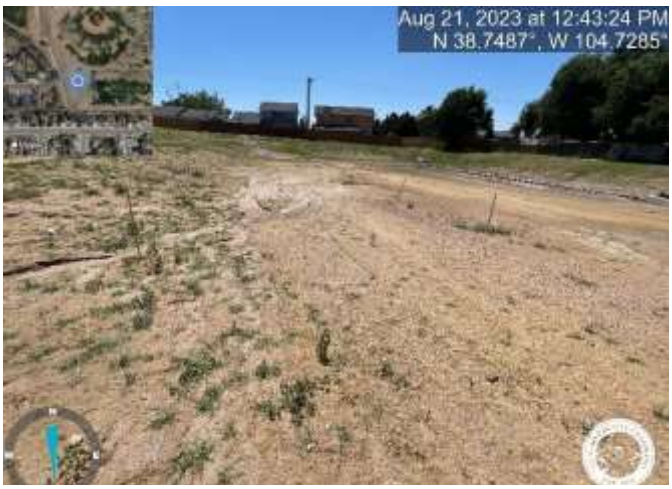
	

Photo 3: South of building: Remove and replace grouted riprap with 18” Type M riprap pad per the approved plans and for positive drainage and erosion prevention. The riprap needs to be shaped for positive drainage, currently the grouted riprap does not have a consistent shape with grouted rocks raised in the middle of the rundown. The riprap also should be buried in the ground so that the riprap is flush with the ground. Currently the riprap is a foot above the ground which is contributing to erosion from splashover especially downstream where the rundown meets the concrete lined channel. Reference sheet C8.2 of the Grading and Erosion Control Plans.	Photo 4: Repair riling below the grouted riprap to prevent erosion underneath the concrete channel.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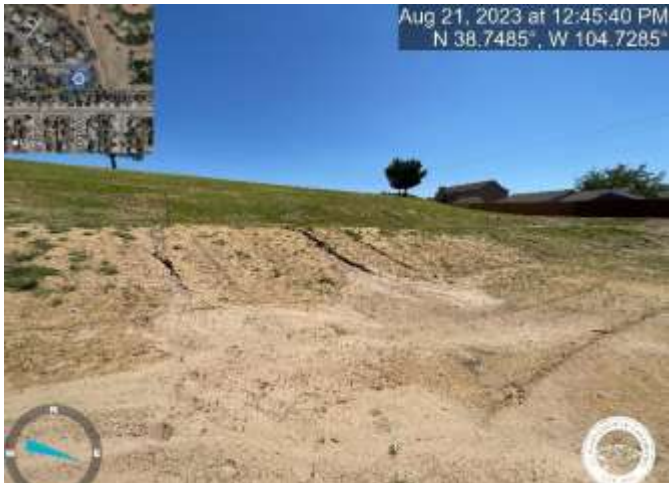
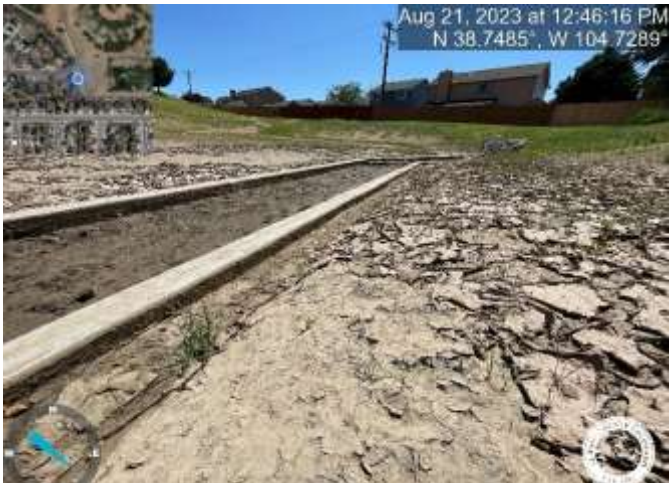
	

Photo 7: Pond: Grade out riling along pond slopes and stabilize in various areas.	Photo 8: Raise pond bottom to top of trickle channel curb with a 3% slope towards trickle channel for positive drainage.

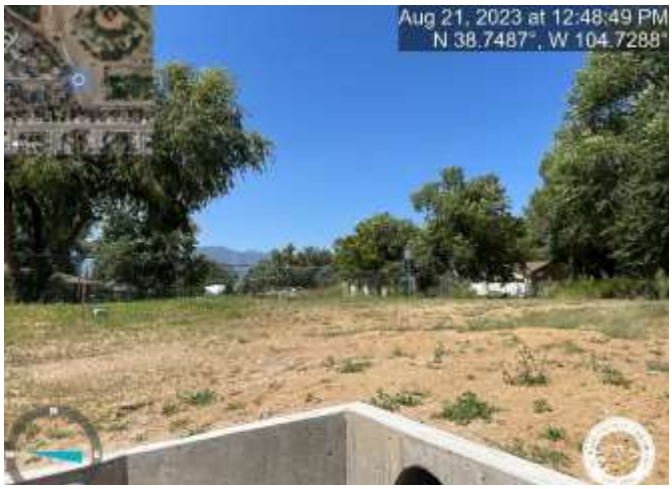


Photo 9: Pond: Confirm installation of the emergency overflow spillway. Spillway should be trapezoidal, 21' Weir width, with 4:1 slopes of 6' on either side. Reference sheet C7.5 of the Construction Documents.	Photo 10: Pond: Fine grade rill erosion around the forebay and stabilize.

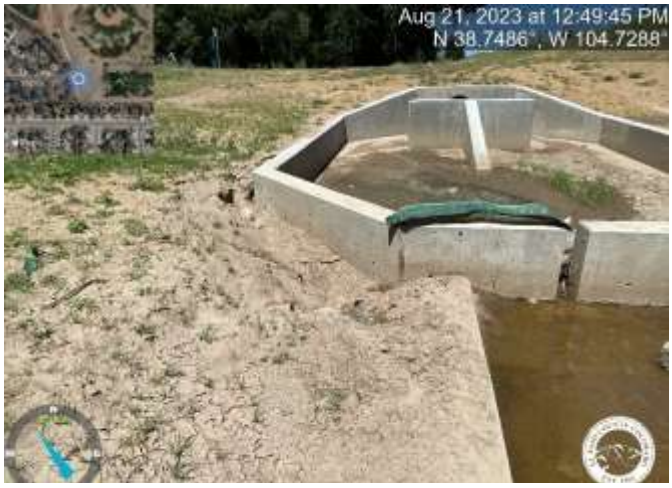
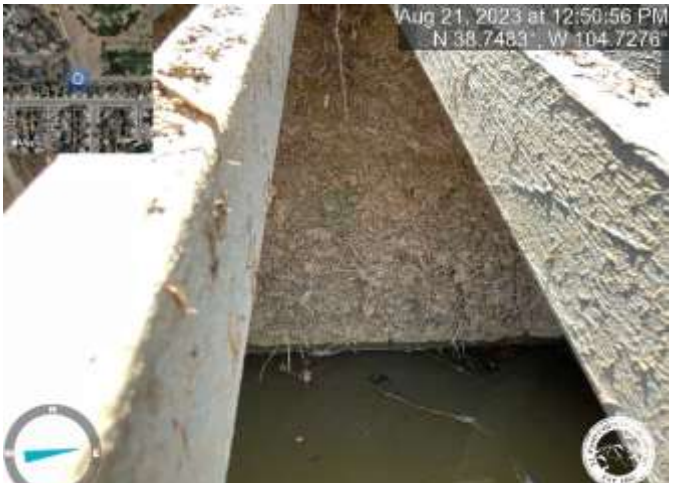
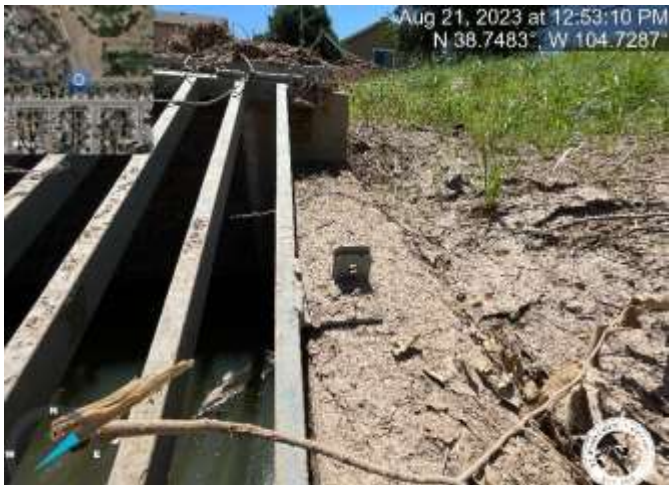
	

Photo 11: Pond: Fine grade rill erosion around the forebay and stabilize.	Photo 12: Pond: Replace trash screen with No. 93 Johnson Vee Wire or Equivalent. Reference sheet C7.5 of the Construction Documents.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	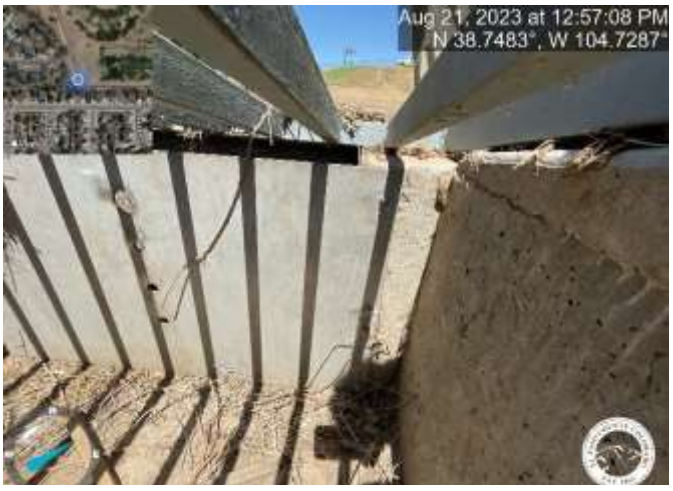
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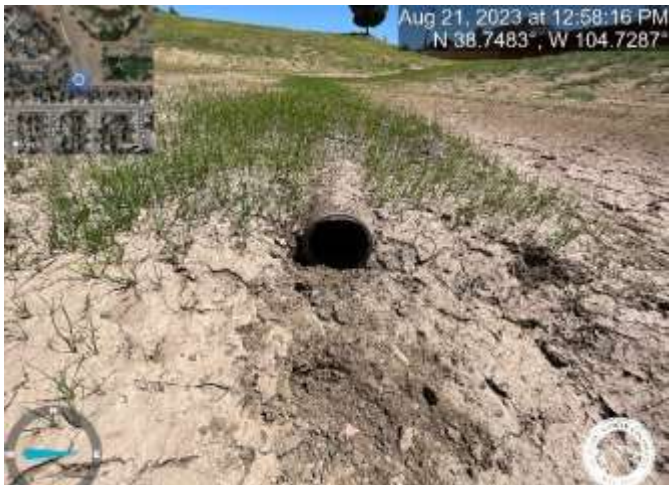	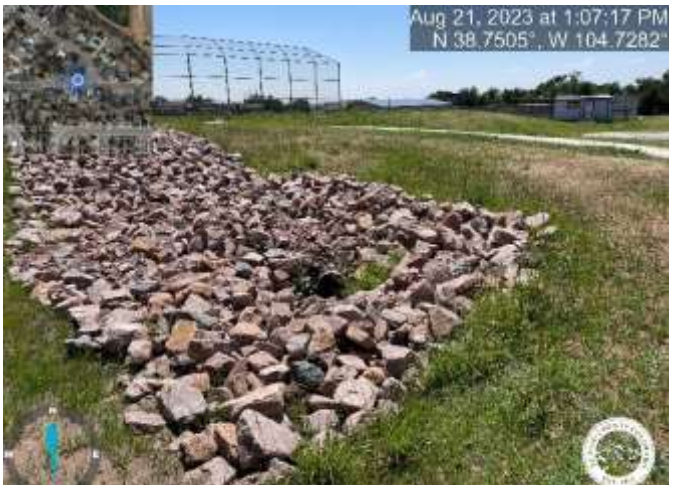
Photo 17: Pond: Show underdrain pipe on As-builts and update pond calculations as necessary if the underdrain generates more flow to the pond than previously	Photo 18: SE corner of building: Show riprap pad on As-builts.

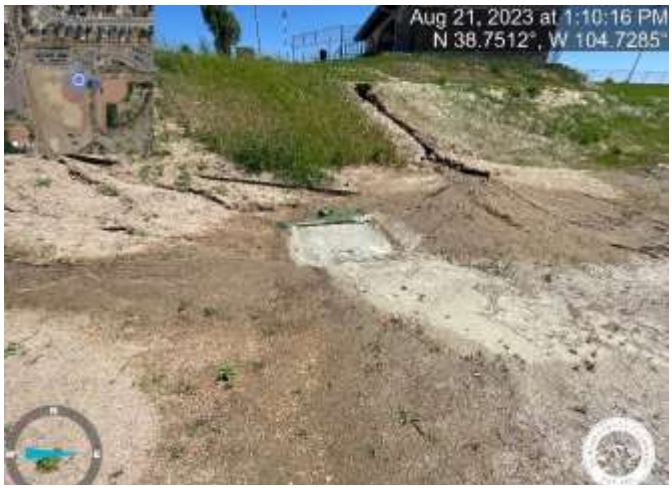	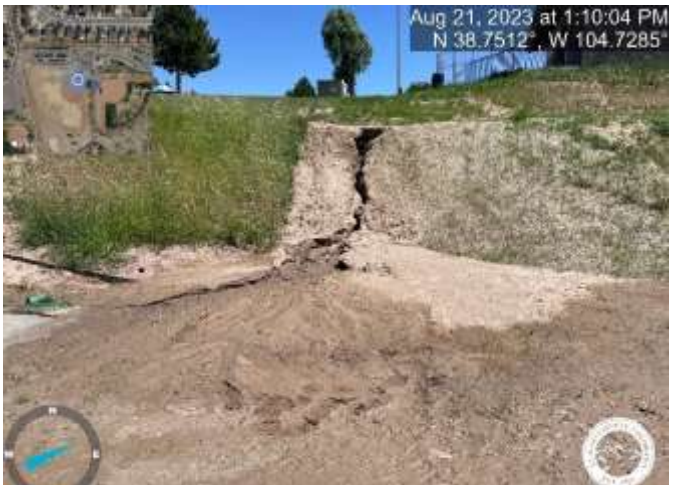
Photo 19: NE corner of building: Remove sediment/debris that is clogging the area drain.	Photo 20: NE corner of the building: Repair blow out, fine grade, and stabilize slope.