CITY OF FLORENCE
PUBLIC WORKS

UPCOMING

Public Works Projects

IN 2025

Well 14, Phase 1

The City's well field located in the Munsel Greenway Park. The 80-acre property is home to the City's 13 groundwater production wells, two groundwater monitoring wells, water treatment plant, and backwash (from the drinking water plant) settling ponds. The property also features roughly 44 acres of open sand dunes. The area is ever changing with the winds moving and sculpting the sand features. A number of residents enjoy strolling through the open sand dunes and taking their dogs for walks.

The City will soon be starting construction on a new well, bringing our total number of wells in our well field to 14. That might seem like a lot of wells but the City needs them to provide redundancy and ensure a continuous, reliable water supply in case of well pump/motor failure, maintenance or emergencies.

Having redundancy provides us flexibility to adapt to unexpected challenges, such as a shift in the water table levels. It also protects against the risk of over-pumping a single well, which could lead to long-term damage to the aquifer or the well itself. We are able to take well out of service for repair without impacting the City's water supply.

Well redundancy is vital for ensuring a sustainable, reliable, and resilient water supply system. It safeguards against failures, enhances flexibility, and supports long-term resource management, making it an essential practice for modern municipal water supply systems that rely upon groundwater as its source of drinking water.

The City's contractor, Holt Services, Inc. was awarded the contract to develop Well 14. Well 14 will feature a 16-inch diameter (20-inch diameter drill hole) municipal groundwater supply well 155 feet deep with a target capacity of 250-300 gallons per minute. We anticipate that the contractor will be starting work in February building a service road to the actual well location. This will be followed by drilling the new well.

More information and project updates when they are available on the City Project website

Old Town Park Gazebo Replacement

In 2025 the City will be replacing the gazebo at Old Town Park on Bay Street. The current gazebo has been in place since 1989 and has been part of many a holiday, wedding, and live music event at the park. The years of our harsh coastal environment and weather have taken a toll on the structure, including dry rot on structural members, rafters, and other items. With a generous donation from the Central Oregon Coast Board of Realtors, the City has ordered a replacement gazebo.

Old Town Park is a 0.14 acres site located on at the south end of Laurel Street on the south side of Bay Street. The park is actually right-of-way that was created in 1887. Old Town Park was the site of the old ferry landing before the Siuslaw River bridge (Hwy 101) was built. The park serves as a scenic attraction and rest area for tourists and residents alike. It is a peaceful and relaxing setting for community events, small public concerts, seasonal events and weddings.

The City has placed an order for a 16-foot octagon wood gazebo kit from Amish Country Gazebos to replace the existing structure. The new gazebo will feature a metal ribbed roof and a 19-inch octagon cupola. It will be different in a very important way from the existing gazebo in that the gazebo will be placed on a concrete slab on grade foundation. With the decking (floor) of the gazebo about 6 ½ inches above the surrounding ground, we will be able to have a ramp to the gazebo that will allow it to be fully ADA accessible. The new structure will be placed in the same location as the existing gazebo but will be slightly larger (the current one is approximately 14 feet). The new gazebo will enhance the park and make it an even greater community gathering spot, especially for weddings and during the holidays.

Once we get closer to the actually delivery date, Public Works staff will begin the process of removing the existing gazebo and preparing the site for the new building. At certain times, the park will need to be closed for safety reasons, as the old gazebo is dismantled and excavation is taking place for the new foundation. As construction progresses, Public Works will install barricades to keep people from entering the work zone, but still allow access to the observation platform next to the river.

More information and project updates when they are available on the City Project website

Siuslaw River Slope Stabilization Project

The City of Florence will be building a Secant wall along the Siuslaw River next to the Coast Guard Station. The 2024 Winter Storm and ongoing groundwater and river action have been causing a landslide along the river edge that is threatening homes and the Coast Guard Station in Florence, Oregon.

The slide was first noticed after a period of heavy rain in January 2022, a steep section of the bank of the Siuslaw River adjacent to Coast Guard Road began to fail, resulting in cracking of the Coast Guard station parking lot, disconnection of a City stormwater main, and deformation of a wooden deck on private property. The landslide was progressing at a rate of several inches per month however, it could catastrophically fail at any time. Realizing the magnitude of potential damage, the City took immediate action of repairing the disconnected storm sewer, then contracted with a team of engineers to develop a solution. The monitoring and engineering plan has continued from 2022 and is still on going.

Even though we didn't get the icy during the 2024 storm we did receive a significant amount of rain. With that rain, the slippage has become more acute, slipping more than 25 inches in less than four weeks! From the City's evaluation the slope movement resulted in the formation of a scarp (a long steep slope or cliff at the edge of a plateau or ridge that is formed by erosion.

The City is looking into long-term solutions to stabilize the river bank. Since the long-term solution will be many years in the making, the City is will be installing a short-term solution of a secant pile wall retaining system to immediately stabilize the shallow slide.


Coast Guard Station Siuslaw River
Area of slippage
Private residence threatened by slippage
SWB-1
SWB-1a
SWB-2
B-1

What is a Secant Pile Wall?

A secant pile wall consists of overlapping (secant) piles to form structural or cutoff walls and achieve the required water tightness. The design can incorporate steel bar or beams for reinforcement and anchors can provide additional lateral support, if needed.

Secant pile walls consist of reinforced and non-reinforced piles. The reinforcement can be provided by installing reinforcement cages, steel channel sections, I-beams or H-beams.

Secant pile walls retained by anchors or strutting system are often supported by a waler beam to distribute the loads (prevent punching of anchor/strut through the pile) and as a mitigation measure for the unlikely event of an anchor/strut not carrying the load. This waler beam can be constructed as a reinforced concrete beam casted towards the pile wall, or by using steel profiles to be fixed to the piles and anchors/strutting systems.

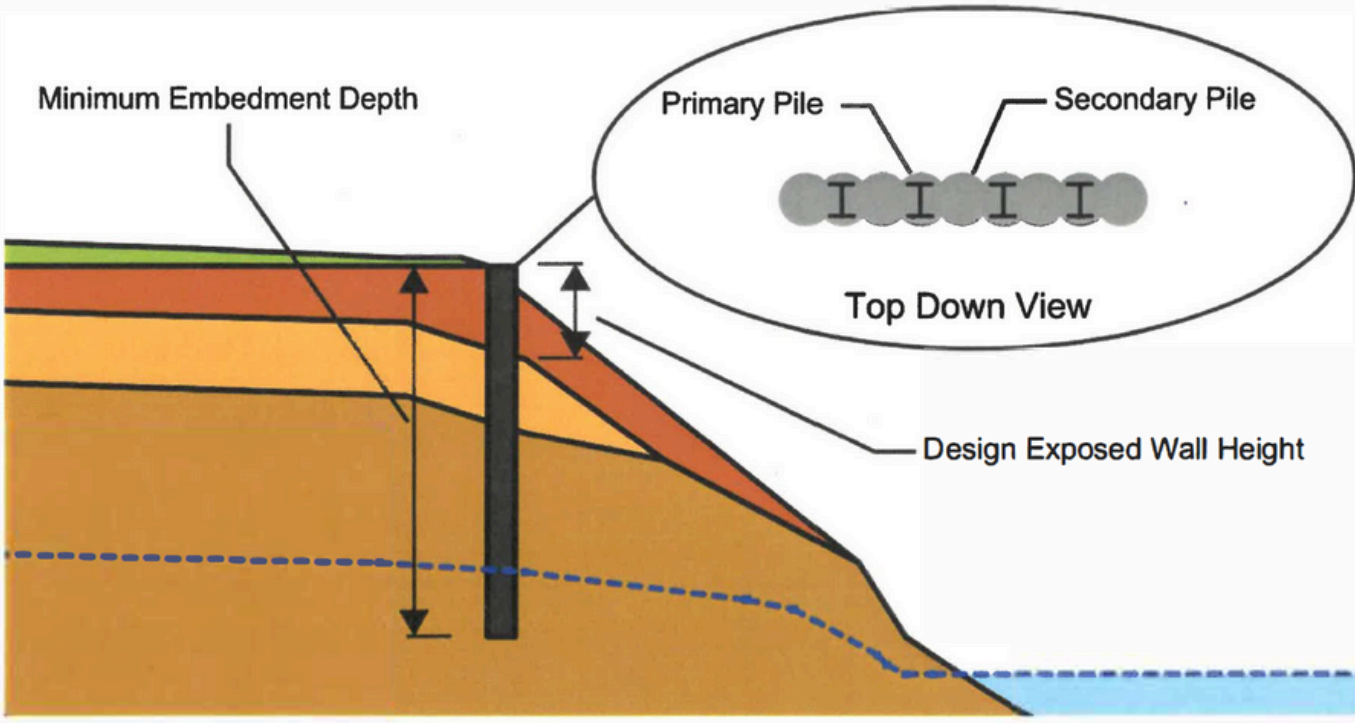


Exhibit 7-2: Conceptual rendering of secant pile wall system implemented at the site.

Current cost estimates places this project at $1.4 million. The City currently has approximately 50% of the funds available and is working with our federal congressional delegation in securing the remaining funds.

More information and project updates when they are available on the City Project website

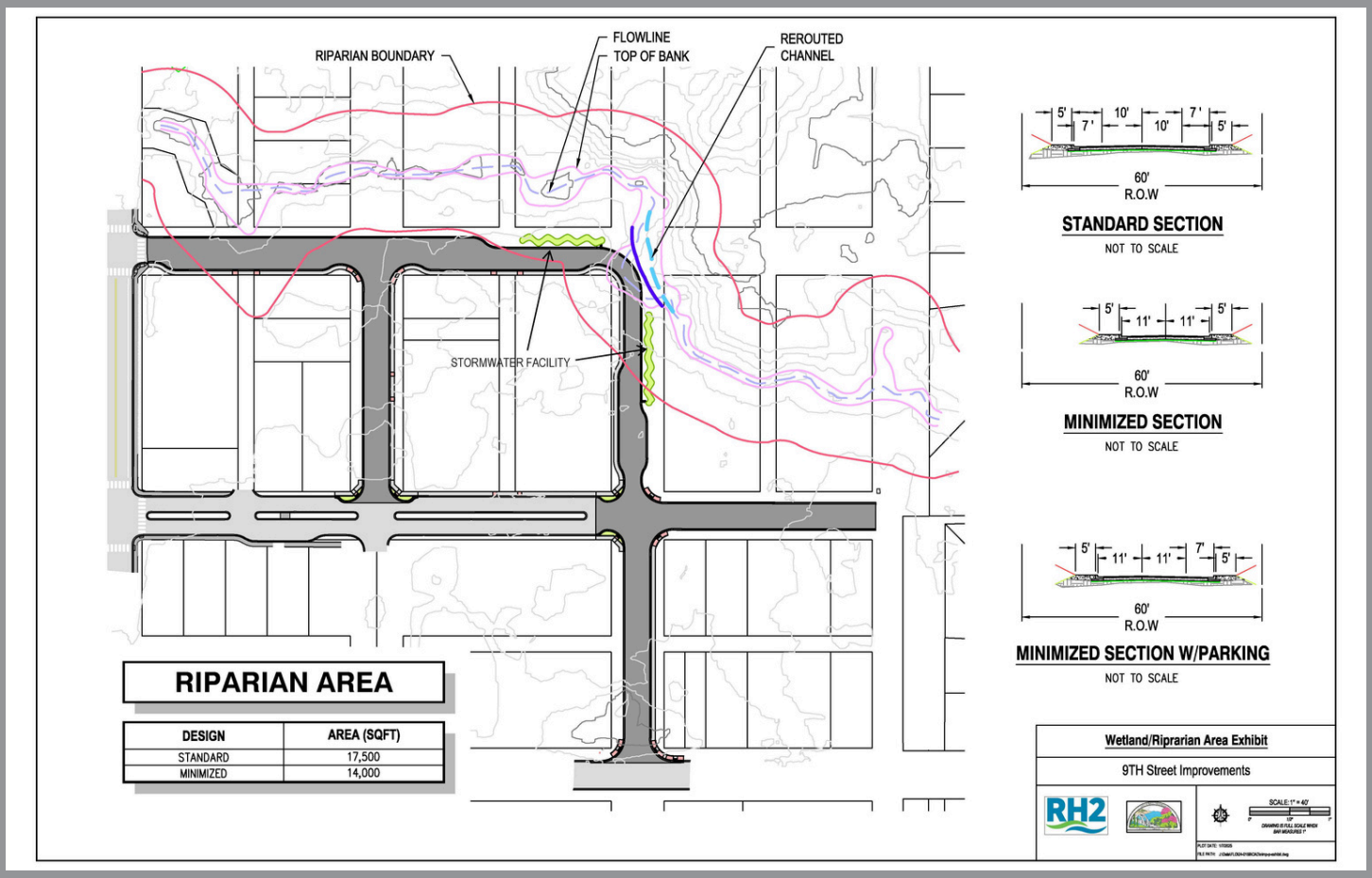
NW 9th Street Neighborhood Project

The City of Florence NW 9th Street Neighborhood Project is a Direct Appropriation from Oregon Senate Bill (SB) 1530 that was awarded to Florence during the 2024 short legislation session.

The City was identified as a local government to receive funding for an infrastructure project to catalyze building much needed housing in Florence. The project unlocks an undeveloped section of the community in the heart of the City with easy access to all necessary and discretionary amenities and services.

As part of our application to the State, the City put forth City owned blocks in the heart of the City Center to construct local streets and utilities to create ready to build lots at a cost of $1.9 million. With the infrastructure investment in the public rights-of-way (ROW) for transportation related facilities, water, wastewater, stormwater and open space (park) the City can unlock and provide access to 6 privately owned blocks and two City owned blocks creating ready to build lots for a minimum of 113 to 176 units of housing for the area that we are calling the Northwest 9th Street Neighborhood.

We anticipate that construction engineering services will be completed late winter 2025 and the project would be advertised for competitive bid in late March 2025, with Florence City Council awarding the project to a general contractor in April 2025. A notice to proceed to the contractor to begin construction is anticipated to be issued late May 2025. Construction is anticipated to take 120 days for substantial completion with final completion occurring within 30 days of substantial completion (total of 150 days from notice to proceed). Depending on weather and the contractor, we anticipate that the infrastructure project (water, wastewater, streets and stormwater) for the NW 9th Street Neighborhood Project to be completed November 2025.


RIPARIAN BOUNDARY
FLOWLINE
TOP OF BANK
REROUTED
CHANNEL
STORMWATER FACILITY
5' 7' 10' 10' 7' 5'
60' R.O.W
STANDARD SECTION
NOT TO SCALE
5' 11' 11' 5'
60' R.O.W
MINIMIZED SECTION
NOT TO SCALE
5' 11' 11' 7' 5'
60' R.O.W
MINIMIZED SECTION W/PARKING
NOT TO SCALE
RIPARIAN AREA
DESIGN | AREA (SQFT)
STANDARD | 17,500
MINIMIZED | 14,000
Wetland/Riparian Area Exhibit
9TH Street Improvements
RH2
SCALE: 1" = 40'

Rolling Dunes

At the end of January, Public Works crews have been busy preparing the existing restrooms and picnic shelter for demolition. Public Works crews have been trenching to expose, identify and reroute the underground utilities serving the existing structure.

Our local electrician will be installing a temporary power pedestal so that we can keep the tsunami siren in service while the old restroom and picnic shelter are removed. Once the old restroom and picnic shelter has been removed, we will be working to prep the area for the new restroom facility.

While the existing restrooms are closed and being removed, the City has arranged for two port-a-potties and a hand wash station to be delivered and available to those that are using the park for pickleball, tennis or the community gardens.

Progress to date at the park

In June 2024, Parks division crews removed the carved panels depicting Native American graphics for preservation and safe keeping. We are planning to reinstall them as wind breaks near the new picnic shelter upon project completion of the project. In September, trees and shrubs were removed in the construction area, and our contractor, Ray Wells, Inc., began site preparation by removing fencing, cutting the tennis court edge, and excavating undesirable soil. After removing unwanted soil and compacting new materials, the court expansion area was paved on September 24, 2024.

In October, the fencing contractor installed new posts and fence fabric, while Parks crews added refurbished benches and installed a new windscreen. A 6-foot-wide windscreen was chosen based on professional advice to reduce strain on the fence and improve wind blocking, specifically on the west and north sides of the court area to counter prevailing winds.

With unforeseen delays early in the project we were unable to install the court surfacing material for the expansion area or resurface the existing courts like we had hoped before the weather set it. For the crack repairs and the surfacing material to cure properly, we needed to have warmer weather, including having the sun in a higher position in the sky. With the lower angle of the sun, we were not able to get enough radiant heat to warm the court surfaces. Additionally, the existing surface needs to be dry. With cool temperatures, low sun angle and rain, we will have to wait until late spring to complete the surfacing of the courts.

New restrooms and shelter

The Florence City Council approved the purchase of a CXT DK-4 precast concrete restroom facility in September 2024. CXT restroom building is a precast concrete building that will be delivered to the site ready to use and requires no construction (other than utility connections – water, sewer and power), concrete masonry unit (CMU) blocks or tilt-up panels. The structures are manufactured with high-strength precast concrete floors, walls and roofs that are aesthetically pleasing. They are vandal resistant and are designed for extreme weather conditions, including our harsh coastal environment. The buildings also meet all local and state building codes, including ADA. The CXT DK4 building will feature two single-user fully ADA compliant restrooms and one single-user (non ADA) restroom, for a total of three restrooms.

The design of the facility provides one additional room that can be used as dedicated storage for our local Pickleball Club's equipment, such as portable nets and squeegees. The building also features a full-length mechanical room for City staff to access to the plumbing and electrical systems, as well as the ability to store janitorial supplies.

The restroom facility takes 180 days to be manufactured from the time is it ordered. Since it was ordered mid-September, we anticipated the delivery date to be mid-March 2025. As we get closer to the installation date, we will provide additional updates on the City Project website.

Once the bathrooms are placed onsite, construction will begin on installing the new picnic shelter. The new shelter will be an open timber structure to help with sight lines through the shelter and park.

More information and project updates when they are available on the City Project website located at this address: https://bit.ly/RollingDunesExpansion


UTILITY
ROOM