

**Project Engineer: Matt McGuan, P.E.**

**Engineer's Daily Summary: Monday, July 2, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 55^\circ$ , Partly Cloudy – No Rail, Calm**

- SEEM on site to touch up sidewalk grades. The two planters at the east side of the Lynch Street intersection will not be dug out and filled with topsoil prior to 4<sup>th</sup> of July. The adjacent concrete will be too green and might get damaged if the area around the concrete is excavated.
- SEC poured the remaining sidewalk areas between Lynch Street and Campbell Drive.
- There will be no work on July 3 and July 4.

**Project Engineer: Matt McGuan, P.E.**

**Engineer's Daily Summary: Thursday, July 5, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 55^\circ$ , Partly Cloudy – No Rain, Calm**

- SEEM is excavating the area up-station from the Episcopal Street intersection and removing additional unsuitable material beneath the subcut.
- SEEM worked on grading the typical section in front of City Market throughout the day.

**Project Engineer: Matt McGuan, P.E.**

**Engineer's Daily Summary: Friday, July 6, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 55^\circ$ , Partly Cloudy – No Rain, Calm**

- SEEM is excavating the waterline trench and removing additional unsuitable material beneath the subcut in the area up-station from the Episcopal Street intersection.
- The additional utility vault and conduit work in the area of STA 22+50 LT will not be taking place. The planned storm drain changes will be carried out in accordance with Sheet SD&UG so that the utility vaults can be placed at a later date.
- SEEM began typical section subcut east of the Campbell Drive intersection.

**Project Engineer: Matt McGuan, P.E.**

**Engineer's Daily Summary: Saturday, July 7, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 50^\circ$ , Cloudy, Fog and Rain, Calm**

- SEEM installed the water main up-station from Episcopal Street intersection.
- SEEM finished the typical section subcut between Campbell Drive and St. Michael's Street. Subcut in the St. Michael's Street intersection will need to be coordinated with Ever Electric.
- SEEM began installing the PVC storm drain pipes near the Campbell Drive intersection.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Sunday, July 8, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 52^{\circ}$ , Partly Cloudy, Calm**

- Matt and I did a walk-through of the site and went over progress since I left on 6/29/12.
- Throughout the day SEEM crew worked on sub-excavation of the St. Michael's Street intersection. This work was started on Sunday to avoid impacts to access of the intersection. Ever Electric must install conduit in the intersection on Monday before the 10-inch and 2-inch material can be placed in the intersection and reopened to traffic.
- SEEM worked on connecting roof drain services to the Bear Basic's building throughout the day.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Monday, July 9, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 52^{\circ}$ , Foggy in Morning, Partly Cloudy and Lt. Rain in Afternoon**

- Throughout the day SEEM worked on connecting roof drain services at Bear Basics and Zak's Café (approx. 22+75, LT).
- SEEM worked on fusing 1-inch saddles on the water main between Episcopal and the Curley Ville access (32+50, LT)
- Coordinated with Carl Johnson to upsize the 1-inch water service at 32+35, LT to a 2-inch water service connection. Also coordinated with Carl to install a 1-inch water service to the existing curb stop/key box found at 31+20, LT.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Tuesday, July 10, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 50^\circ$ , Partly Cloudy, Calm**

- Coordinated with Jon McGraw and Ricki Aro to connect roof drain service at 25+60, RT to directly to S-48 rather than connecting via saddle to P-53.
- Ever Electric installed electric conduit between Campbell Drive and St. Michael's intersection.
- SEEM excavated, power washed and MiriDried SSMH A-10.
- SEEM removed the cap on the existing main near AML and moved it further down the water main to help facilitate the installation of storm drain on the left side of the road.
- SEC poured approx. 6 yards of curb and gutter concrete from approx. 27+00, RT to 28+50, RT.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Wednesday, July 11, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 50^\circ$ , Partly Cloudy, Calm**

- SEEM worked on bringing valve boxes to grade at the St. Michael's intersection in the morning.
  - SEEM filled 10-inch minus material in the St. Michael's intersection throughout the day. Once the St. Michael's intersection area was filled with 10-inch material the access to Sentry Hardware could be moved and the previous access sub-excavated.
- Clay Hammer (Wrangell Light and Power) came into the project office in the morning inquiring about an anchor guy line that WLP needs to install approx. 6-foot up-station of the utility pole at 24+59, LT. He wanted to confirm that no utilities would be in conflict with this anchor. After reviewing the plans we confirmed there is room for this anchor. Clay is coordinating this work with Ever Electric to help install the anchor.
- Held monthly safety meeting around 1:00PM.
- SEC began prepping for the cantilevered sidewalk along the retaining wall at the City Market.
- SEEM installed SD structure S-59 and P-74.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Wednesday, July 12, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 60^\circ$ , Clear, Sunny**

- Throughout the day SEC prepped for curb and gutter and the cantilevered sidewalk in front of the City Market. SEC poured approx. 6 yards of a combination of modified depressed and depressed curb and gutter between approx. 27+00 and 29+00
- Ever Electric continued work of installing junction boxes and conduit runs between Campbell Drive and Episcopal Street.
- Throughout the day SEEM sub-excavated near the saw cut limits at the City Market parking lot and filled 10-inch minus material throughout the St. Michael's intersection. They plan to open the St. Michael's intersection tomorrow.
- SEEM excavated and installed SS services at 31+07, LT and 31+35, LT. Due to these services being in conflict with the new storm drain line the work was completed as item 626(2A) – Replace/regrade sanitary sewer service lateral rather than item 626(3) – Sanitary Sewer Service Cleanout.
- SEEM cleaned and waterproofed SSMH A-9.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Friday, July 13, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 54^\circ$ , Cloudy, Calm**

- SEEM grading for spill curb and gutter along City Market.
- SEC poured spill curb and gutter along City Market.
- Ever Electric excavating and installing relocated conduits at 23+00.
- SEEM installed P-77, S-61 and S-60.
- SEEM installed roof drain service to City Market at approx. 26+95, RT.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Saturday, July 14, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 54^\circ$ , Cloudy, Calm**

- Two SEEM workers worked in the morning prepping for concrete near City Market.
- Ever Electric worked on general project cleanup.
- SEC on-site prepping for cantilevered sidewalk concrete pour scheduled for tomorrow.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Sunday, July 15, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 58^\circ$ , Clear, Calm**

- SEC finished tying rebar and then poured cantilevered sidewalk at the City Market to approx. 28+50, RT.
- Ever Electric installed L-17, L-15 and banner arms on light poles.
- SEEM surveyor on-site laying out curb and gutter near City Market.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Monday, July 16, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 55^\circ$ , Clear, Calm**

- In the morning SEEM graded for the angled off street parking near City Market.
- In coordination with MCC/SEEM, I walked site with SEEM worker Sara to identify areas of the project that needed attention for pedestrian access. (fencing, sidewalk widths, etc) Sara is in charge of working on these items.
- Mark Morris, Morris Engineering (Design Engineer), was in town for a site visit of the project. He gave his concurrence of substantial completion of luminaires L1 – L12.
- SEEM installed two roof drain services at Zak's Café and the Vet. (approx. 24+25, LT)
- SEC poured approx. 11 yards of concrete. This 11 yards finished the remainder of the cantilevered sidewalk, the glass seeded border strip in front of City Market and a small section of curb and gutter near Stephan's Tax (approx. 28+75, LT)

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Diary: Tuesday, July 17, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 54^\circ$ , Cloudy, Calm**

- SEEM graded for sidewalks along Sentry Hardware.
- SEC prepped and poured the entire angled parking area along City Market. This pour was approx. 53 yards.
- SEEM began filling 10-inch minus material between St. Michael's Street and Campbell Drive, (along the SNO Building and Zak's Café).
- SEEM installed the sanitary sewer service lateral at 631+62, RT.
- Ever Electric began installing load center 3 near the Episcopal intersection.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Wednesday, July 18, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 54^\circ$ , Cloudy, Calm**

- SEEM graded roadway in front of City Market in preparation for concrete.
- SEC formed curb and gutter along various sections near Sentry Hardware and Stephen's Tax (approx. 28+00, LT).
- Heidi Fredrickson and Zeke Yankee (DOT Materials Rovers/Reviewers) were in town today for a project review.
- SEEM conducted pressure tests of corrugated polypropylene pipes P-36, P-43 and P-44. Pipes had less than the allowable leakage given the time required for the test.
- SEEM installed sanitary sewer service at 31+64, LT.
- SEEM installed 1-inch water services 31+86, LT and 31+89, LT.
- Ever Electric installing conduit for crossings and load center near Episcopal.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Friday, July 20, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 55^\circ$ , Cloudy, Rain**

- Wrangell Light and Power removing the last few lines/wires from the overhead power poles along Sentry Hardware. The two poles in the Sentry Hardware parking lot were removed afterwards.
- Low pressure air test for CPP pipe P-77 was redone in the morning and passed the testing procedure.
- SEC prepped for the remaining curb and gutter between Sentry Hardware and the Episcopal intersection. SEC poured approx. 14.5 yards of this curb and gutter later in the afternoon.
- SEEM installed SS service to 32+22, LT and 32+27, RT.
- SEEM graded for curb and gutter on the left side of the road along Zak's Café and the Vet throughout the day (23+00 to 25+00, LT).

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Monday, July 23, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx$  54°, Foggy, Calm**

- SEEM graded for curb and gutter along Zak's Café and the Vet (23+00, LT to 25+00, LT)
- SEC prepped for curb and gutter along the section of road noted above.
- In the morning while prepping for C&G near the SNO Building (24+25, RT) the SEEM surveyor found a conflict with the top of the retaining wall blocks at the SNO Building and finish grade of the sidewalk. The SEEM surveyor calculated the elevation of the retaining wall blocks based on the finish floor height of the SNO building, rather than design TBC. Due to this the retaining wall blocks were installed approx. at the same elevation as the TBC, therefore there wouldn't be proper clearance for the 6-inch reinforced sidewalk over the retaining wall. To achieve proper clearance of the blocks with the retaining wall, the cross slope of the road was reduced from 3.0% to 1.0%. The C&G had not been poured and will be raised to accommodate this design change. SEEM must cut approx. 1-inch off the top of the retaining wall blocks to achieve proper thickness of the sidewalk. Raising the road was a good solution to lower the sidewalk into the SNO Building.
- SEC poured approx. 8 yards of curb and gutter Zak's Café and the Vet.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Tuesday, July 24, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 52^\circ$ , Cloudy, Calm**

- SEEM prepping for curb and gutter between the SNO Building and Campbell Drive.
- SEC poured broom and glass seeded finish sidewalk in front of Sentry Hardware.
- SEEM installed 6-inch water services at 32+28, RT.
- SEEM installing SS sewer services at 32+27, RT and 32+37, LT.
- SEEM began filling 10-inch material between Episcopal and Curley Ville.
- SEEM conducted and successfully passed the pressure test of the water main between St. Michael's Street and Episcopal Street.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Wednesday, July 25, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 54^{\circ}$ , P. Cloudy, Calm**

- In the morning SEEM began installing fence and staging traffic control device to implement TCP #8B. After devices and fence were properly installed, traffic was rerouted per the TCP.
- SEEM continued filling 10-inch and 2-inch material near Curley Ville throughout the day.
- SEC prepped for curb and gutter near Campbell Drive and the SNO Building in the morning and poured approx. 8 yards of curb and gutter in the afternoon.
- SEEM prepped for sidewalks near Zak's Café throughout the day.
- Late in the afternoon SEEM closed off the section of sidewalk between approx. 30+50, RT to 31+25, RT. They subexcavated this section of sidewalk and built the grade back with 10-inch and 2-inch material so the sidewalk could be reopened.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Friday, July 27, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 56^\circ$ , Sunny, Calm**

- SEC prepping for sidewalk concrete at the City Market access.
- SEEM prepped for sidewalk concrete between the SNO Building and Campbell Drive on the right side of the road.
- SEEM continued sub-excavation near Case Avenue and is now nearly finished with sub-excavation on the project.
- SEEM finished the installation of P-86 and S-65 and began installing P-88.
- Chris Mertl, Corvus Design Landscape Architect, came to Wrangell for the day for a project site visit. He and I walked the project and identified areas of the glass-seeded sidewalk that need either more glass exposed to provide uniformity or that must be replaced. He will send me notes summarizing his visit next week.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Monday, July 30, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 54^\circ$ , Cloudy, Rain showers throughout the day, Calm**

- SEEM worked on the SS connections at the Case Avenue intersection throughout the day.
  - The SS connection at Shakes Street went as planned.
  - The SS connection from SSMH A-15 was shown to replace 12-inch AC pipe extending down Case Avenue. After this existing line was excavated, it was found to be 8-inch PVC rather than 12-inch AC. SEEM is currently looking into options available to connect the existing 8-inch PVC to the new 12-inch C900 PVC.
- SEC set their centerline form board along City Market in preparation for roadway paving.
- SEEM grading in preparation for concrete near City Market in the afternoon.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Tuesday, July 31, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 54^\circ$ , Cloudy, Rain,  $\approx 10-20$ MPH**

- SEEM installed S-70, S-69 and finished installing P-88 throughout the day.
- SEEM began reconstruction process (pressure washing, MiriDrying) of SSMH A-15.
- SEEM installed PVC roof drain service at the Bay Company, extending from S-57.
- Ever Electric pulling wire between junction boxes and light pole bases between St. Michael's Street and Case Avenue.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Wednesday, August, 1, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 54^{\circ}$ , P. Cloudy, Calm**

- SEC finished prepping for roadway concrete near the City Market Front Street access in the morning. Later in the morning and in the afternoon SEC poured approx. 41 yards of concrete from approx. 26+25, RT and 27+75, RT.
- SEEM finished MiriDrying SSMH A-15 and installed C900 PVC for the sewer connection to Case Avenue.
- SEEM continued digging for the water main installation and valve cluster at the end of the project (Case Avenue). They plan to install this line tomorrow.
- SEEM prepped for curb and gutter on both side of the road near the Bay Company (near 30+50)

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Summary: Thursday, August, 2, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

**Weather:  $\approx 54^{\circ}$ , P. Cloudy, Calm**

- SEEM continued driving and coring for sign posts between Stikine Drive and McKinnon Street. They installed the Front Street stop sign at Front Street and Federal Way and the Front Street stop sign at Front Street and Stikine Drive (leaving the cul-de-sac)
- Held public progress meeting #19 at 10AM at the Wrangell City Hall. Meeting notes will be distributed once prepared.
- SEC poured the left lane of roadway concrete from approx. 26+25, RT and 27+75, RT.
- SEEM continued excavation for water main installation between approx. Curley Ville (approx. 32+50) and Case Avenue. They laid the water main in the trench, open bore flushed in the afternoon and will continue bedding and installing domestic services tomorrow.
- Ever Electric excavating and installing the pole base for luminaire L-28.

**Project Engineer: Eric Voorhees, P.E.**

**Engineer's Daily Diary: Friday - Sunday, August, 3-5, 2012**

**Project No: 68828/HPRM-0003(135) & 67789**

**Project Name: Wrangell Road and Utility Improvements**

\*Project Engineer, Eric Voorhees, was not on-site during this time and the activities noted below were based on Rick Aro's Inspector Daily Reports.

➤ **8-3-12**

- SEEM began installing water services at 33+85, LT and 33+88, LT.
- SEEM began cutting retaining wall blocks to grade to provide proper clearance for steel reinforced sidewalk at the SNO Building (approx. 24+25, RT).
- SEEM began filling 10-inch and 2-inch material in preparation for concrete between approx. 29+50 - 30+75 and 24+50 to 25+20.

➤ **8-4-12**

- SEC poured concrete at:
  - Broom finish sidewalk at 22+75, RT to 23+80, RT and 22+40, LT to 23+10, LT
  - Glass seeded sidewalk at 23+30, LT to 24+10, LT
  - Curb and Gutter at 24+75, RT to 25+25, RT and 25+05, LT to 25+25, LT

➤ **8-5-12**

- SEC poured concrete at:
  - Glass seeded concrete at 22+70, RT to 23+75, RT and 25+50, LT to 25+80, LT
  - Broom finish concrete at 26+35, RT and 26+75, RT