King County
Department of Local Services
Road Services Division

WAC 197-11-960: SEPA Environmental Checklist

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

A. Background

1. Name of proposed project, if applicable:

Southeast (SE) Green Valley Road and 218th Avenue SE
Intersection Improvement Project No. 1139145

2. Name of applicant:

King County Department of Local Services (DLS), Road Services Division (Roads)

3. Address and phone number of applicant and contact person:

Contact Person:
Amy Bresslour, Communications Manager
206-477-9223, abresslour@kingcounty.gov
King Street Center (Mail Stop: KSC-LS-0313)
201 South Jackson Street
Seattle, WA 98104-3856

Project webpage: https://kingcounty.gov/se-green-valley-rd-roundabout

4. Date checklist prepared:

This checklist was prepared on June 2, 2026.

5. Agency requesting checklist:

King County DLS, Roads

6. Proposed timing of schedule (including phasing, if applicable):

The project construction schedule is dependent on acquisition of property, permits and approvals, and construction funding. It is anticipated that the project would begin and be completed in 2030.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

There are no plans for future additions, expansion, or further activity related to or connected with this proposal.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

The following environmental information was prepared for this project:

- *Cultural Resources Screening for SE Green Valley Rd at 218th Ave SE Intersection (1139145),* February 25, 2022, King County.
- *Concept Development Report,* SE Green Valley Road and 218th Avenue SE Improvement CIP 1139145, February 2023, King County.
- *Geotechnical Engineering Report,* SE Green Valley Road and 218th Avenue SE Intersection Improvement, February 13, 2023, King County.
- *Preliminary Critical Areas Report,* SE Green Valley Road and 218th Avenue SE Improvement CIP 1139145, March 2023, King County.
- *Drainage Plan Technical Information Report,* Engineering Services for SE Green Valley Road and 218th Avenue SE Intersection Improvement, August 2023, AECOM.
- *SE Green Valley Road and 218th AVE SE Technical Information Report*, March 2026, AECOM.
- *Surface Water Design Manual Compliance Memorandum*, March 27, 2026, King County.

Additional environmental information expected to be prepared for this project includes governmental permit/approval documentation listed in Section A.10 of this Environmental Checklist.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

Roads is unaware of any other pending government approval of other proposals directly affecting the properties covered by this proposal.

10. List any government approvals or permits that will be needed for your proposal, if known.

Federal:

- National Historic Preservation Act (NHPA) Section 106 Concurrence by the Washington State Department of Historic Preservation and Tribes
- National Environmental Policy Act (NEPA) Categorical Exclusion
- United States Department of Transportation Act Section 4(f) Approval
- Endangered Species Act Section & Documentation

State:

- State Environmental Policy Act
  - Determination of Non-Significance
  - Notice of Action Taken
- Washington State Department of Ecology National Pollution Discharge Elimination System, Construction Stormwater General Permit

King County:

- DLS, Permitting Division, Clearing and Grading Permit No. GRDE25-0110
- Department of Natural Resources and Parks Special Use Permit

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

King County Road Services Division (Roads) is proposing a project at the four-leg intersection of Southeast (SE) Green Valley Road and 218th Avenue Southeast. SE Green Valley Road is a rural minor collector and 218th Avenue SE is a major arterial. This intersection services the traveling public from the cities of Auburn, Black Diamond, Covington, Enumclaw, and Kent. As these cities grow in population, the volume of traffic at the intersection increases. This intersection is a high-collision location. In 2021, the intersection was upgraded to an all-way stop as an interim safety measure to reduce right-angle collisions. To further improve visibility, flashing lights were added to the stop signs in 2025.

A new single-lane roundabout will be constructed to ease congestion and improve intersection safety. By reducing the frequency and severity of collisions, the project ensures a more reliable flow of traffic. Additionally, the plan includes essential drainage upgrades, featuring a permanent stormwater infiltration pond.

The estimated total project cost is $3.1 million. Project design has been funded through federal and local county funds. Roads is currently seeking additional funding for construction and right-of-way acquisition.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The SE Green Valley Road at 218th Ave SE Intersection Improvement Project is located in unincorporated King County, southwest of Black Diamond and East of Auburn.

The project area occurs in the NW quarter of Section 28, in Township 21N, and Range 06E, Willamette Meridian. The proposed project will be constructed largely within the existing right-of-way and will require acquisition of additional property on the parcels at each corner of the existing intersection. The geographic coordinates for the intersection are latitude 47.284 north and longitude 122.053 west. Detailed project design plans are attached to this checklist.

B. Environmental Elements

1. Earth

a. General description of the site: Circle or highlight one: Flat, rolling, hilly, steep slopes, mountainous, other:

The project area is located in a flat river valley, approximately 280 feet from the Green River.

b. What is the steepest slope on the site (approximate percent slope)?

The project area has a gentle, mostly flat topography, with a steeper, 20% slope along the edges where the site meets the roadside ditch.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them, and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

Online geologic mapping from Washington State Department of Natural Resources (WA DNR) maps subsurface soils as Quaternary Alluvium deposited by the Green River. These deposits are usually unweathered, consist mostly of well-sorted pebble to cobble size gravel and sand with possible boulders and locally overlain by silt, and are often suitable as construction materials. The thickness of this deposit can range from several feet to 50 feet or more.

Additional mapping tools from the United States Department of Agriculture (USDA) Natural Resources Conservation Services (NRCS) Web Soil Survey (WSS) report the project entirely within a unit mapped as Puyallup fine sandy loam (Py), with 0 to 2 percent slopes, which occur to 60 inches in depth on floodplains and terraces and are composed of alluvium. They are well drained and not classified as hydric soils. The WSS classifies this soil unit as prime farmland and historical farming was practiced on all of the parcels adjacent to the project area.

Parcels 2821069063 and 2821069066 are directly adjacent to the site and are currently used as agricultural land. The existing right-of-way will be widened to accommodate the footprint of the project resulting in small permanent soil impacts. Section 8.a of this environmental checklist includes more information regarding property needs for the proposed project.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

There are no surface indications or history of unstable soils in the immediate vicinity.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

- The total project area, including stockpiling and staging areas, is anticipated to be approximately 127,895 square feet (2.94 acres).
- The total area of ground disturbance is 100,110 square feet (2.3 acres), which is 78 percent of the site.
- The approximate volume of excavation is 1,620 cubic yards. Excavated material that is not suitable for reuse on-site will be hauled off-site to an appropriate disposal site.

- The approximate volume of fill material proposed for the project is 3,567 cubic yards. King County's Materials Lab will confirm fill material is from approved sources.

f. Could erosion occur because of clearing, construction, or use? If so, generally describe.

Erosion could occur due to vegetation removal, ground-disturbing activities, and rerouting of stormwater during construction. Seasonal weather conditions could impact the severity of erosion. Temporary erosion and sedimentation control (TESC) Best Management Practices (BMPs), as well as permanent site restoration measures, will be implemented to minimize potential erosion. Please see Section B.1.h of this checklist for specific proposed measures to reduce and control construction-related erosion.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

- The total project area, including stockpiling and staging areas, is anticipated to be approximately 127,895 square feet (2.94 acres).
- Impervious surfaces within the project limits will be primarily roadway paving and a small amount of sidewalk.
- At completion of the project, impervious surfaces will cover about 62,543 square feet (1.43 acres), representing approximately 49 percent of the site.
- The project will add approximately 11,836 square feet (0.28 acre) of new impervious surfaces to the existing 50,707 square feet (1.16 acres).

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any.

During construction, the area of ground disturbance will be minimized to the extent practicable to reduce the potential for erosion. TESC BMPs include, but are not limited to, the use of straw waddles, compost socks, coir logs, dust control, compost blankets, and seeding areas that are temporarily disturbed by construction. Surficial groundwater, if encountered, and stormwater will be bypassed and isolated around the construction zone. Sediment-laden water from groundwater and/or stormwater will be isolated and pumped into vegetated areas for dispersion, pumped into a Baker tank to settle sediments prior to releasing water to a stable dispersion area, or hauled off-site.

Following construction, disturbed areas that are not converted to impervious conditions will be amended or covered with topsoil, then seeded or planted.

2. Air

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.

<u>Greenhouse Gas Emissions:</u> Construction, operations, and maintenance of the roadway will result in the release of greenhouse gas (GHG) emissions that contribute to global warming and related climate change concerns. Life cycle GHG emissions for the project include embodied, operational, and construction emissions defined as follows:

- Embodied emissions are the emissions released during the extraction, processing, and transportation of the materials used in construction.
- Construction emissions are released during project construction and primarily come from fuel burned by the equipment used to build the project elements, such as bulldozers,

pavers, and rollers.
- Operational and maintenance emissions are released by vehicles and equipment used to maintain the site and during their travel to and from the site following completion of the repairs.
- Using the attached GHG Emissions Calculator, Lifespan Emissions are estimated at 2,051 metric tons of carbon dioxide equivalent (MTCO2e).

Fugitive Dust Emissions: Demolition of asphalt concrete pavement, excavation, or placement of imported aggregates may result in sources of fugitive dust that can reduce roadway visibility, cause respiratory health problems in humans/animals, and negatively impact aquatic life, vegetation, and water quality.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No off-site sources of emissions or odors have been identified that may affect this proposal.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

During construction the contractor will implement a Fugitive Dust Control Plan. Mitigation measures for project impacts to air quality and GHG emissions during construction and maintenance of the roadway may include, but are not limited to, the following:
- Spraying water, when necessary, during construction operations to reduce emissions of fugitive dust.
- Covering dirt, gravel, and debris piles as needed to reduce fugitive dust and wind-blown debris.
- Covering open-bodied trucks in accordance with RCW 46.61.655, wetting materials in trucks, or providing adequate space from the top of the material to the top of the truck to reduce fugitive dust emissions.
- Wetting and sweeping public roadways, when necessary, to remove mud and dirt deposits.
- Using biodiesel or ultra-low-sulfur diesel fuels for vehicles and equipment to reduce diesel exhaust emissions.
- Conservation and reuse of construction materials on-site to reduce exhaust emissions and traffic delays.
- Enforcing King County's no-idling policy for county vehicles.

3. Water

a. Surface:

1. Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Watershed: The project is located within Water Resource Inventory Area 9 – Duwamish-Green River.

Aquatic Areas: There are no surface waters or riparian areas within the project limits. The Green River has a 200-foot-wide riparian area and is approximately 280 feet away from the project limits. It is a perennial Type S aquatic area designated as a "shorelines of the state" as defined by the Revised Code of Washington 90.58.030.

A seasonal to perennial unnamed tributary to Crisp Creek is located approximately 630 feet from the project area and is classified as a Type F stream. Type F streams are waterbodies that support fish or exhibit the physical characteristics indicating potential fish use. Fish-bearing streams may be perennial or seasonal and do not necessarily flow year-round.

Wetlands: There are no wetlands or wetland buffers within the project limits.

2. **Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.**

   This project does not require any work within 200 feet of the adjacent project waters described in Section 3.a.1 of this environmental checklist. See attached plans for details.

3. **Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.**

   No fill or dredge material will be placed in or removed from surface waters or wetlands.

4. **Will the proposal require surface water withdrawals or diversions? Give a general description, purpose, and approximate quantities if known.**

   The proposal will not require surface water withdrawals or diversions from streams, rivers, or wetlands.

5. **Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.**

   The project is not within a mapped FEMA 100-year floodplain or floodway.

6. **Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.**

   No waste materials will be discharged to surface waters.

b. Ground:

1. **Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give a general description, purpose, and approximate quantities if known.**

   Groundwater will not be withdrawn from a well for drinking water or other purposes for the project. Water will not be discharged to groundwater for this project. If groundwater is encountered during ground-disturbing work, these areas will be isolated. Well points with a pump may be installed to redirect surficial groundwater from the construction site. Any turbid water in the excavation areas will be pumped to infiltration/filtration vegetated areas around the site and/or pumped into portable settling basins.

2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (domestic sewage; industrial, containing the following chemicals…; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

No waste material will be discharged into the ground from septic tanks or other sources.

c. Water Runoff (including stormwater):

1. Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

The source of runoff is precipitation and stormwater sheet flows from paved surfaces. Stormwater will enter a proposed conveyance system composed of catch basins, culverts, and ditches, then to a pre-settling pond and an infiltration pond. There is no outfall from this pond to surface waters. All project stormwater runoff is expected to infiltrate into the ground.

2. Could waste materials enter ground or surface waters? If so, generally describe.

The project will not generate waste materials such as domestic sewage, or industrial, or agricultural waste. Therefore, there is no potential for such waste materials to enter ground or surface waters.

It is unlikely, but possible, that fuel, hydraulic fluid, or paving material spills could occur from construction machinery. Regional Road Maintenance Program Guidelines and King County and Ecology spill prevention BMPs will be followed to avoid such spills. King County and the contractor are required to implement a Spill Prevention Control and Countermeasures Plan (SPCC) for the project prior to beginning construction. Equipment will be inspected daily for leaks. Heavy equipment refueling and staging will occur on the existing roadway or off-site. Secondary containment will be provided for pumps. Spill kits will be available on-site to respond to unanticipated small spills.

3. Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

The project will modify drainage patterns in the vicinity of the project. To offset impacts from increased areas of impervious surfaces, stormwater will be conveyed to an onsite stormwater infiltration facility.

4. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

The project includes stormwater management measures to control runoff from pollutant-generating impervious surfaces within the project area. Impervious surfaces will be graded to direct flows into a new conveyance system consisting of catch basins, culverts, pipes, and ditches. Runoff will be routed to a water-quality facility that includes a pre-settlement basin and an infiltration basin, providing water-quality treatment and flow control.

Construction: Sediment-laden water that does not meet water-quality standards will be discharged to vegetated upland infiltration areas, depending on the volume of water. If

needed, sediment-laden water will be pumped into a Baker tank, settled, and released on-site or hauled off-site.

4. Plants

a. Check the types of vegetation found on the site:

- ☒ deciduous tree: Oregon ash, black cottonwood, vine and big leaf maple, Pacific willow, bitter cherry
- ☒ evergreen tree: Douglas fir, western red cedar
- ☒ shrubs
- ☒ grass
- ☒ pasture
- ☐ crop or grain
- ☒ orchards, vineyards, or other permanent crops: adjacent parcel is a tree farm
- ☐ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- ☐ water plants: water lily, eelgrass, milfoil, other
- ☒ other types of vegetation: creeping buttercup, reed canary grass, common hawthorn, Himalayan blackberry

b. What kind and amount of vegetation will be removed or altered?

The project requires the removal of approximately 55,300 square feet (1.27 acres) of vegetation, which includes trees, shrubs, grasses, and weeds. This total includes the felling of one tree with a trunk diameter greater than four inches measured at breast height (DBH).

c. List threatened and endangered species known to be on or near the site.

According to a review of online data from the Washington State Department of Natural Resources Natural Heritage Program and the Consortium of Pacific Northwest Herbaria conducted in May 2026, there are no special-status plant species known or anticipated to occur in the vicinity of the project area.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any.

Clearing limits will be marked on-site prior to construction to ensure only required vegetation removal occurs. After construction, site restoration activities will involve planting native trees, shrubs, and herbaceous plants across the site. The total area that will be restored with planting/seeding is 19,689 square feet (0.45 acres).

e. List all noxious weeds and invasive species known to be on or near the site.

Common Name	Scientific Name	King County Noxious Weed Class
Creeping buttercup	*Ranunculus repens*	Weed of concern
Reed canary grass	*Phalaris arundinacea*	Non-regulated, Class C

Common hawthorn	*Crataegus monogyna*	Non-regulated, Class C
Himalayan blackberry	*Rubus armeniacus*	Non-regulated, Class C

5. Animals

a. List any birds and other animals that have been observed on or near the site or are known to be on or near the site. Examples include:

Birds: hawk, heron, eagle, songbirds, other: crows

Mammals: deer, bear, elk, beaver, coyote, raccoons, squirrels, rabbits

b. List any threatened and endangered species known to be on or near the site.

According to a review of online data from the Washington State Department of Fish and Wildlife, the U.S. Fish and Wildlife Service, and the National Marine Fisheries Service conducted in May 2026, there are no special-status animal species known or anticipated to occur within the project area.

c. Is the site part of a migration route? If so, explain.

The project site is located within the Pacific Flyway, which is a major north-south route of travel for migratory birds extending from Alaska to Patagonia. Every year, migratory birds travel some or all this distance both in spring and in fall, following food sources, heading to breeding grounds, or traveling to overwintering sites.

Except for the Pacific Flyway, the project area is outside of mapped wildlife species corridors.

d. Proposed measures to preserve or enhance wildlife, if any.

Proposed measures to preserve or enhance wildlife include, but are not limited to:

- Avoiding the impact altogether by not taking a certain action or parts of an action.
  - The project was designed to have the minimal footprint possible. Clearing limits will be marked onsite to preserve existing vegetation outside of the project limits.
  - The project will be constructed in compliance with regulations and permit provisions within authorized work windows.
- Minimizing impacts by limiting the degree or magnitude of the action and its implementation by using appropriate technology or by taking affirmative steps to avoid or reduce impacts. The project minimizes impacts by implementing the following:
  - Appropriate TESC BMPs required by the Regional Road Maintenance Program Guidelines, and King County Surface Water Design Manual.
  - Groundwater BMPs: If groundwater is encountered within work areas during construction, it will be isolated and discharged to a vegetated upland area to infiltrate or will be hauled off-site. This will prevent turbid water from being discharged outside of the project limits.
  - A Surface Water Pollution Prevention Plan.
  - A Fugitive Dust Control Plan.
  - An SPCC Plan.
  - Staging and stockpiling on existing paved areas.
- Rectifying

- Providing water quality treatment for stormwater.
- Restoring disturbed vegetation areas and providing cover measures to minimize erosion.

e. List any invasive animal species known to be on or near the site.

No invasive animal species are known to be on or near the site.

6. Energy and natural resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

The completed project will have no energy use.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

The completed project will not affect the potential use of solar energy by adjacent properties.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any.

Because the completed project will not use energy, no conservation features are included. Measures to reduce energy use during construction will be encouraged (e.g., efficient scheduling, material transport, and staging, implementing the no-idling policy).

7. Environmental health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur because of this proposal? If so, describe.

The accidental leakage of petroleum products (e.g., gasoline, diesel fuel, hydraulic fluid, grease, etc.) or other chemicals (e.g., antifreeze) from construction equipment could occur but is not likely. These substances can be toxic to nearby aquatic systems and to humans upon prolonged exposure and can pose a fire hazard. King County inspectors will monitor the site during construction. All King County vehicles are equipped with spill kits. Spill control and cleanup kits will also be provided by the contractor and will be available on-site. Heavy equipment will be inspected daily for leaks and necessary repairs will be completed prior to commencing work. Project operations may cease under severe weather conditions that may result in inundation of the construction zone, except for efforts to minimize resource damage.

During construction, community health could be affected by dust and vehicle exhaust. Construction activities will intermittently generate particulate matter and odors, and construction equipment will generate diesel engine exhaust. Any air-quality impacts associated with construction activities are greatest near sensitive land uses, such as schools or parks. There are school bus stops near the project area; however, impacts will be minimized. In addition, air quality impacts will be short-term, occurring only while construction is in progress.

BMPs will be employed to reduce fugitive dust, odors, and exhaust emissions; see Section 2.c. of this checklist for more information.

1. **Describe any known or possible contamination at the site from present or past uses.**

   Based on a review of Ecology's website, the project area falls within the predicted arsenic contamination zone, which is based on the modeled Asarco Tacoma plume and a predicted arsenic concentration is below 20 parts per million. There are no active cleanup sites or Ecology-permitted facilities within a half-mile radius from the project area.

2. **Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.**

   There are no known existing hazardous chemicals/conditions at the project site that might affect project development and design.

3. **Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.**

   During construction, petroleum products will be used on-site to power construction equipment and as a component of asphalt pavement. At completion of the project, toxic or hazardous chemicals will not be stored, used, or produced at the project site. Herbicides may be used to control or eradicate invasive vegetation on the site. If used, these products will be applied by State of Washington licensed Commercial Applicators or Operators in accordance with the label recommendations, the Washington State Department of Ecology, local sensitive area ordinances, and Washington State Department of Agriculture laws and regulations.

4. **Describe special emergency services that might be required.**

   The need for special emergency services is not anticipated.

5. **Proposed measures to reduce or control environmental health hazards, if any.**

   During construction, the project will implement a SPCC plan that provides BMPs to be used during construction to minimize the potential for hazardous spills from fuels and materials. Spill control and cleanup kits will be available on-site to be used in the rare event of a spill.

   The contractor will be required to submit a Stormwater Pollution Prevention Plan and a Fugitive Dust Control Plan to Roads for approval. The plan will provide BMPs that will be used to minimize the amount of particulate matter (i.e., dust) generated during construction.

b. Noise

1. **What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?**

   Existing noise in the area emanates from roadway traffic. The existing noise levels in the area will not affect the proposed project.

2. **What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site)?**

Construction will create noise on a short-term basis. This noise will be generated from the various types of construction equipment and activities; for example, truck traffic hauling materials to and from the site, excavation, and material-moving equipment such as backhoes and bulldozers, mechanical soil compaction, hand-held equipment such as chain saws, and asphalt-paving operations.

Construction will occur in accordance with King County Code 12.86, which allows typical construction equipment operation between 7 a.m. and 7 p.m. on weekdays and 9 a.m. and 7 p.m. on weekends. If work outside these hours is needed, a variance will be requested from the King County DLS Permitting Division.

Following construction, noise is expected to return to pre-existing conditions. The project will not generate new ongoing noise.

3. Proposed measures to reduce or control noise impacts, if any:

Standard mufflers will be used on all construction equipment. The construction crew will work during hours consistent with King County Code and applicable permit conditions. If work outside of standard construction hours is needed, a variance will be requested from the King County DLS Permitting Division.

8. Land and shoreline use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The project site currently functions as a King County transportation and utility corridor.

The project location falls outside the Black Diamond Urban Growth Boundary and all urban potential annexation zones. The project is within the Upper Green River Agricultural Production District, which extends from State Route 18 east to Flaming Geyser State Park and connects to the Enumclaw Plateau Agricultural Production District to the south. Private properties within the vicinity of the project site are minimally to moderately developed parcels with the zoning designation A-10, agricultural land use allowing one dwelling unit per 10 acres. Land uses include a mix of rural residences, small-scale hobby farms, large-scale commercial farms, small-scale livestock operations, equine facilities, tree farm, a Muckleshoot Indian Tribe-owned fish hatchery, and other uses.

At the project site, the parcel on the northern side of the intersection contains a tree farm, and the parcel on the east side of the intersection contains a pasture. Parcels on the south and west sides of the intersection, adjacent to the Green River, are owned by King County Parks and are public parcels designated as Whitney Bridge Park. Whitney Bridge Park is characterized by second growth mixed coniferous and deciduous forest and pockets of non-native grassland. The park contains a small parking lot with stormwater conveyance facilities and is used for river access and passive recreation on informal trails. A large, graveled area on the east side of 212th Way SE serves as an informal parking area and boat launch. This graveled area represents the former alignment of the road and bridge prior to the replacement of the bridge in 1990.

Roads anticipates the following property needs and property instruments for the proposed project:

Ownership	Parcel No.	Fee Acquisition	Temporary Construction Easement	Special Use Permit	Permanent Slope Easement
Private	2821069063	2,599 square feet (0.06 acre)	510 square feet (0.012 acre)		
Private	2821069066	152 square feet (0.0034 acre)	544 square feet (0.012 acre)		642 square feet (0.015 acre)
King County Parks	2821069046	23,264 square feet (0.53 acre)		4,633 square feet (0.1064 acre)	
Total		**25,322 square feet (0.58 acre)**	**4,133 square feet (0.095 acre)**	**4,633 square feet (0.1064 acre)**	**1,321 square feet (0.030 acre)**

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses because of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

Adjacent parcels host a tree farm and pasture, the right-of-way will be minorly expanded into these parcels, but no significant long-term effects will occur. Section 8.a of this environmental checklist includes more information.

1. Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how?

No farm or forestry operations will be permanently affected by the proposal.

c. Describe any structures on the site.

Current structures within the project limits include the roadway fill prism, utility poles for overhead utility wires, and fences. The site also includes stormwater conveyance features including grass lined ditches, 18-inch culverts under 218th Ave SE and along 212th Way SE, stormwater pipes, and two stormwater catch basins that outfall to the Green River.

d. Will any structures be demolished? If so, what?

The existing paved road and portions of structural roadway fill will be removed and replaced with the new roundabout as part of the proposed project. Stormwater conveyance systems currently present will also be demolished and replaced.

e. What is the current zoning classification of the site?

King County's public road right-of-way is not subject to zoning. The project area is within a rural area, located outside the Urban Growth Boundary of the City of Black Diamond.

Private properties within the vicinity of the project area are zoned as A-10, agricultural land use allowing one dwelling unit per 10 acres and other parcels are owned by King County Parks and are public parcels designated as Whitney Bridge Park and is characterized by second growth mixed coniferous and deciduous forest and pockets of non-native grassland. The park contains a small parking lot with stormwater conveyance facilities and is used for river access and passive recreation on informal trails.

f. What is the current comprehensive plan designation of the site?

According to the *King County Comprehensive Plan*, adjacent land use includes agriculture and open space.

g. If applicable, what is the current shoreline master program designation of the site?

The project limits are not within a Shoreline Management Act boundary.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

The project limits are within a Seismic Hazard Area and Category 2 Critical Aquifer Recharge Area.

i. Approximately how many people would reside or work in the completed project?

No people will reside or work within the completed project.

j. Approximately how many people would the completed project displace?

No people will be permanently displaced by the project.

k. Proposed measures to avoid or reduce displacement impacts, if any.

No measures will be implemented to avoid or reduce displaced people because no one will be displaced.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any.

This project complies with the King County Comprehensive Plan (2024). The proposed project is consistent with existing and projected land uses in the areas that are potentially affected by the project.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

No long-term adverse impacts to agricultural or forest land uses in the vicinity are anticipated.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

No housing units are being provided by the project.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

No housing units are being eliminated by the project.

c. Proposed measures to reduce or control housing impacts, if any:

The project will not result in adverse impacts to housing units; therefore, no measures are proposed to reduce or control impacts.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

This is a transportation infrastructure project, and no buildings are proposed.

b. What views in the immediate vicinity would be altered or obstructed?

The roundabout project and associated roadway improvements will provide a changed roadway view from the existing four-way stop. The proposed project will improve sightlines for the traveling public. No views in the immediate vicinity of the project will be obstructed except in regard to the central island of the roundabout. The central island within the roundabout will have strategic landscaping visible from a distance to alert the travelling public of a change in road configuration. This vegetation will also prevent headlight glare and views of oncoming traffic in order to enhance the safety and traffic flow within the roundabout. The roundabout will be planted with native trees, shrubs, and herbaceous plants.

On the southeast corner of the project, on the Whitney Bridge Park parcel, a currently grassy field will be altered to install a stormwater infiltration facility to accommodate the stormwater associated with this project's impervious surface. This area will be replanted with native vegetation.

c. Proposed measures to reduce or control aesthetic impacts, if any:

The project components will be standard for unincorporated King County to improve traffic flow for the surrounding area. The central island within the roundabout will enhance aesthetics through a low-maintenance landscape with vegetation that blends with surrounding native species. Splitter islands and truck aprons will have a contrasting surface treatment to emphasize the roundabout and increase safety aesthetically. Perimeter impacts will be restored with native vegetation similar to existing conditions.

11. Light and glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

The completed project will not produce light or glare.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No light or glare will be produced by the completed project.

c. What existing off-site sources of light or glare may affect your proposal?

No off-site sources of light or glare have been identified that will affect the proposed project.

d. Proposed measures to reduce or control light and glare impacts, if any:

No light or glare will be produced by the completed project.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

The two parcels to the south of the project include Whitney Bridge Park and are owned by King County Parks. These parcels border the Green River. This provides green space access to the parcels and river and includes walking, fishing, and recreational boating opportunities.

b. Would the proposed project displace any existing recreational uses? If so, describe.

Pedestrian and vehicular access through the active construction site will be limited and controlled for public safety. No existing recreational uses will be displaced long-term by the proposed project.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

During construction, walking/biking through the project area will be prohibited for safety reasons. The completed project will return recreational opportunities to previously existing conditions.

13. Historic and cultural preservation

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.

The Roads' Archeologist conducted a cultural resources screening of the project location. The screening utilized the following resources/databases:

- King County Cultural Resource Protection Project
- Washington Information System for Architectural and Archaeological Records Data

These resources/databases utilize geographic information systems, historic maps, ethno-historic accounts, and professional site records. SE Green Valley Road is a designated King County Heritage Corridor. There are no other buildings, structures, or sites listed in or eligible for any historic register at the project site.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

The Roads' Archeologist noted the presence of cultural resources in the Area of Potential Effects

(APE) and within a half mile of the project area including KING 7439 recorded by Ballard (1951) as "Fred Brooks Property Burial Ground." Ballard discussed this as a burial ground that was secretly maintained during the Indian Wars of 1855-56. The cultural resources screening identified a "wagon road" within the project area, supported by federal General Land Office (GLO) maps, ethnographic place names, and the presence of historical structures.

Roads initiated the National Historic Preservation Act Section 106 review with WSDOT. The project's Area of Potential Effects was defined with concurrence from the Washington State Department of Historic Preservation (DAHP) in consultation with the Muckleshoot Indian Tribe, Snoqualmie Tribe, and Yakama Nation. An archaeological survey with screened shovel probes was conducted on April 4, 2025, with no cultural resources identified. WSDOT made a Determination of No Effect and DAHP provided concurrence on May 2, 2025.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

See Sections B.13.a. and B.13.b. of this checklist.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

If resources are identified during construction, work in the vicinity of the identified resources will immediately cease and the Roads Archaeologist, WSDOT, the King County Historic Preservation Program, DAHP, consulting Tribes, and other appropriate agencies will be notified. Work will not resume in the vicinity of the identified resources until appropriate archaeological investigations are complete.

14. Transportation

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

SE Green Valley Road and 218th Ave SE serve the project site. Detours are planned during construction and ten days of advanced notices will be given prior to closure. Project site plans are attached to this checklist for more information.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

The area is not served by public transit. The closest King County Metro transit stop is approximately six miles west of the project area at the intersection of Auburn-Enumclaw Road and SE 388th Street.

c. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle, or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

The proposal will improve the public roadway within the immediate vicinity for vehicular and non-vehicular travel.

d. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

The project will not use water, rail, or air transportation.

e. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and non-passenger vehicles). What data or transportation models were used to make these estimates?

There will be no increase in typical vehicular trips per day because of the completed project.

f. Will the proposal interfere with, affect, or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

The completed project will not negatively interfere with, affect, or be affected by the movement of agricultural and forest products on roads in the area.

g. Proposed measures to reduce or control transportation impacts, if any:

The roundabout is a traffic calming structure to improve safety at this high-accident location. Prior to construction, a wide variety of notifications will be provided to the public.

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No increased needs for public services are anticipated because of the proposed project.

b. Proposed measures to reduce or control direct impacts on public services, if any.

The roundabout is designed to minimize impacts to public services that need to pass through the area. Because there will be no direct impacts on public services, no proposed measures are needed.

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other:

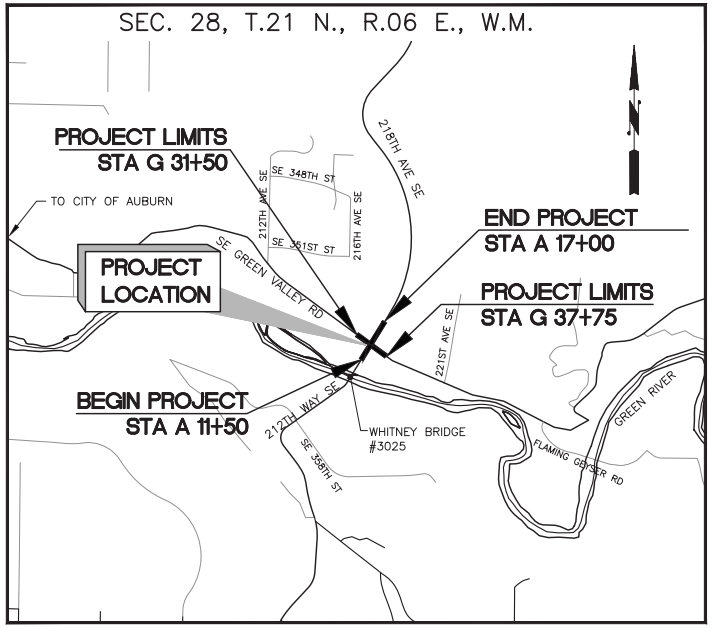
b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

The electricity and telephone utilities pass through the project site. No new utilities are proposed for the project. Existing utilities that conflict with the construction project will be temporarily relocated outside of the construction zone and then restored upon site restoration.

C. Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature:	Signed by: Norene Pen 00C54D40286B423... _____ **Date:** 6/4/2026
Name of Signee:	Norene Pen
Position/title:	Road Design & Traffic Manager, Engineering Section, Road Services Division
Attached:	• 100 Percent Design Progress Plans (April 2026) - SE Green Valley Rd and 218th Ave SE Improvement Project No. 1139145 • Greenhouse Gas Calculator



VICINITY MAP
NTS

King County

Department Of
Local Services
Road Services Division

SE GREEN VALLEY RD AND 218TH AVE SE
INTERSECTION IMPROVEMENT

DRAWING INDEX

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From	Distributing Engineers	Return On/Before
ROAD SERVICES	--	04/2026
To	Approving Reviewer	Initial & Date

811
Know what's below.
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SURVEY JOB NO:	22014	04/2022			
CHECKED:	T. CRAY	04/2022			
CAD ENTERED:	C. KLINGELE	04/2026			
DESIGNED:	C. KLINGELE	04/2026			
CHECKED:	J. LINDERS	04/2026			
SUPERVISOR:	A. MCMANUS	04/2026			
SECTION MANAGER APPROVED:	RL	04/2026	NUM.	REVISION	BY / DATE

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04/2026

FED. AID No.

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

JOANN H. KOBAL — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR
SE GREEN VALLEY RD AND 218TH AVE SE
INTERSECTION IMPROVEMENT
COVER SHEET

King County

SHEET 1 OF 41 SHEETS

321-22 (1)

LEGEND

LINETYPES

EXIST.	CONSTRUCT	DESCRIPTION
SURFACE FEATURES:		
		BUILDING LINE (EXIST.)
		CANAL[SCALEABLE](EXIST.)
		CREEK/DITCH CENTERLINE (EXIST.)
		CURB/PAVEMENT/SIDEWALK (EXIST.)
		FENCE (EXIST.)
		GUARDRAIL (EXIST.)
		LAKE/POND
		MARSH/SWAMP PERIMETER
INTERIOR / EXTERIOR		WETLAND PERIMETER (DELINEATED BY BIOLOGIST)
WB		WETLAND BUFFER (DELINEATED BY BIOLOGIST)
		RETAINING WALL (EXIST.)
		RIVERBANK/SHORELINE
		SHOULDER (EXIST.)
		ROCK FACING (EXIST.)
OHW OHW		ORDINARY HIGH WATER
SURVEY:		
		CENTERLINE (EXIST.)
		CONTOUR (DEPRESSION)
		CONTOUR (INTERVAL) (EXIST.)
***		CONTOUR (INDEX) (EXIST.)
		EASEMENT (TEMPORARY)
		MATCH LINE
		MEANDER LINE
		PROPERTY LINE (EXIST.)
		RANGE/TOWNSHIP LINE
		RESERVATION/PARK/FOREST (EXIST.)
		RIGHT-OF-WAY (EXIST.)
		CITY-LIMITS
		SECTION LINE
		QUARTER SECTION LINE
		SIXTEENTH SECTION LINE
		STATE/COUNTY/CORPORATE LIMIT
UTILITIES (EXIST.):		
OTV		CABLE TELEVISION (AERIAL)
UTV		CABLE TELEVISION (BURIED)
FO		FIBER OPTIC
FM		FORCE MAIN
G		GAS
6" G		6" GAS LINE
OIL		OIL
OP		POWER (AERIAL)
UP		POWER (BURIED)
SS		SANITARY SEWER
STE		STEAM
SD		STORM DRAIN
12"CMP		(12" CMP) STORM DRAIN
OT		TELEPHONE (AERIAL)
UT		TELEPHONE (BURIED)
		UTILITY SERVICE LINE (GENERAL)
W		WATER
12" W		12" WATER

CONSTRUCT	DESCRIPTION
	BUILDING LINE
	CREEK/DITCH
	CREEK/DITCH CENTERLINE
8 / 3	CURB(PROP) 2/7
	CURB/PAVEMENT/SIDEWALK
SF	HIGH VISIBILITY SILT FENCE
V	HIGH VISIBILITY FENCE
SW	STRAW WATTLE
TC	TURBIDITY CURTAIN
FS	FLAGS & STAKES
	GUARDRAIL
	LAKE/POND
	MARSH/SWAMP PERIMETER
INTERIOR / EXTERIOR	WETLAND PERIMETER
WB	WETLAND BUFFER
	RETAINING WALL (CONC. BLOCK)
	RETAINING WALL (GABION)
	RETAINING WALL (MODULAR BLOCK)
	RETAINING WALL (MSE)
	ROCK FACING
	CENTERLINE
	CONTOUR (INTERVAL)
***	CONTOUR (INDEX)
	EASEMENT (PERMANENT)
	PROPERTY LINE
	RIGHT-OF-WAY (EXIST. DURING DESIGN REVIEW ONLY)
	RIGHT-OF-WAY
	RIGHT-OF-WAY (LIMITED ACCESS) COINCIDENTAL
C	CUT LINE
F	FILL LINE

DRAINAGE

SYMBOL EXIST.	SYMBOL CONSTRUCT	DESCRIPTION
		STORM DRAIN CATCH BASIN (GRATE LID)
		STORM DRAIN CATCH BASIN (SOLID LID)
		STORM DRAIN INLET (NO CATCH)
		STORM DRAIN CULVERT
		STORM DRAIN CATCH BASIN TYPE 2
		STORM DRAIN MANHOLE
25 L.F. 12"		STORM PIPE (PROPOSED) DOUBLE LINE TO SIZE OF PIPE DIAMETER

1 — STRUCTURE DETAILS NO.
5 — SHEET NO.
CALL OUT DESIGNATION

CONTRACTOR SHALL VERIFY LOCATION AND DEPTHS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

GAS/POWER/TELEPHONE

SYMBOL EXIST.	SYMBOL CONSTRUCT	DESCRIPTION
		GAS METER
		GAS VALVE
		PAD MOUNTED TRANSFORMER
P	P	POWER VAULT
		TRANSMISSION TOWER (SCALEABLE)
		UTILITY POLE
		POWER POLE
		UTILITY POLE ANCHOR
		TELEPHONE RISER
T	T	TELEPHONE VAULT

SURVEY

SYMBOL	DESCRIPTION
	ANGLE POINT
	BENCH MARK
	BLOCK CORNER
	IRON PIPE
	MONUMENT (IN CASE)
	MONUMENT (SURFACE)
	OWNERSHIP TIE
16	SECTION CENTER
8 9 / 17 16	SECTION CORNER
	QUARTER CORNER
	SIXTEENTH CORNER
	CLOSING CORNER
MC	MEANDER CORNER
WC	WITNESS CORNER
	SOIL BORING
	SPOT ELEVATION
	TAX LOT / PARCEL NUMBER
5	INTERSTATE
X-XXXX-XXX-XX	ASSESSOR'S CODE

WATER

SYMBOL EXIST.	SYMBOL CONSTRUCT	DESCRIPTION
		GUARD POST

FIRE HYDRANTS:

		FH
		WATER VALVE

ROAD PLAN

SYMBOL	DESCRIPTION
15 10	CUT SLOPE CATCH POINTS(OPTIONAL) (SCALEABLE)
SHOULDER	FILL SLOPE CATCH POINTS(OPTIONAL) (SCALEABLE)

SYMBOLS

CD	CHECK DAM
CE	TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
CL	CLEARING LIMIT
CO	COMPOST
DC	DUST CONTROL MEASURES
DI	TEMPORARY DITCH
HCL	HAND CLEARING LIMIT
FS	FLAGS & STAKES
GL	GRADING LIMITS
IP	CATCH BASIN AND CULVERT/ INLET PROTECTION
M	MATTING (EROSION CONTROL BLANKET)
PC	PLASTIC COVERING
PS	PERMANENT SEEDING
	TEMPORARY SEDIMENT TRAP CONTRIBUTION AREA (APPROX. 1 ACRE)
RR	QUARRY SPALL PROTECTION
SB	SAND BAG
SE	SEEDING
SF	SILT FENCE
SM	"STRAW MULCH" FOR TEMPORARY COVER
SR	SURFACE ROUGHING
ST	TEMPORARY SEDIMENT TRAP
STB	STRAW BALE BARRIER
TC	TURBIDITY CURTAIN
TS	TEMPORARY SEEDING
V	HIGH VISIBILITY FENCE
VEG	VEGETATION PRESERVATION
VS	VEGETATED FILTER STRIP
VSS	VEGETATED STREAM BANK STABILIZATION
WQ	WATER QUALITY SAMPLING LOCATION
	MAPLE/ALDER/DECIDUOUS TREE
	FIR/EVERGREEN TREE
	TREE STUMP
	SNAG

ABBREVIATIONS

ABAND	ABANDONED
AC	ASPHALT CONCRETE
ACP	ASPHALT CONCRETE PAVEMENT
ADJ	ADJUST
AH	AHEAD
AP	ANGLE POINT
APPROX.	APPROXIMATELY
ARD	AGREEMENT TO RECONSTRUCT DWY
AVE	AVENUE
AVG	AVERAGE
BK	BACK
℄	BASELINE
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICE
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION
BVCS	BEGINNING OF VERTICAL CURVE STATION
C	CONDUCTOR
CATV	CABLE TV
CB	CATCH BASIN
CL	CLASS
℄	CENTERLINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
COMPT	COMPACTED
CONC	CONCRETE
CONN	CONNECT
CONST	CONSTRUCTION
CSTC	CRUSHED SURFACING TOP COURSE
CU	CUBIC
CY	CUBIC YARD
CULV	CULVERT
D	DRAIN PIPE
DEG OR °	DEGREE, ANGULAR
DIAM OR ⌀	DIAMETER
DIST	DISTANCE
DWG	DRAWING
DWY	DRIVEWAY
E	EAST, ELECTRICAL
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
EMB	EMBANKMENT
EP	EDGE OF PAVEMENT
EQ	EQUATION
EST	ESTIMATE
EVCE	END OF VERTICAL CURVE ELEVATION
EVCS	END OF VERTICAL CURVE STATION
EXCL	EXCLUDE
EXIST	EXISTING
FH	FIRE HYDRANT
FT OR ′	FEET/FOOT
G	GAS LINE, GREEN
GALV	GALVANIZED
GB	GRADE BREAK
GE	GRATE ELEVATION
GR	GUARDRAIL
GRD	GROUND
GV	GAS VALVE
HORIZ	HORIZONTAL
HPS	HIGH PRESSURE SODIUM
HT	HEIGHT
HUND	HUNDRED
HWY	HIGHWAY
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
INV	INVERT
JB.	JUNCTION BOX
JTS, JT	JOINTS, JOINT
JUD	JOINT USE DRIVEWAY
L	LENGTH OF ARC
LF	LINEAL FOOT/FEET
LT	LEFT
LUMIN	LUMINAIRE
M	METER
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MON	MONUMENT
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DIVICES
N	NORTH
NO	NUMBER
NST	NOT STEEPER THAN
NTS	NOT TO SCALE
O-XING	OVERHEAD CROSSING
O.C.	ON CENTER
OD	OUTSIDE DIAMETER
OHW	ORDINARY HIGH WATER
OP	OVERHEAD POWER
OT	OVERHEAD TELEPHONE
P	POLE, POWER
PAR	PARK ACCESS ROAD
PAV'T	PAVEMENT
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
P-E	PRE-EMPT
PED	PEDESTRIAN
PI	POINT OF INTERSECTION
℄	PROPERTY LINE
PP	POWER POLE
PR	PAIR
PRC	POINT OF REVERSE CURVE
PSI	POUND PER SQ IN
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE
PVCC	POINT OF VERTICAL COMPOUND CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVRC	POINT OF VERTICAL REVERSE CURVE
QTY	QUANTITY
R	RADIUS
RD	ROAD
REINF	REINFORCED
REQ'D	REQUIRED
ROW	RIGHT-OF-WAY
RT	RIGHT
R/W	RIGHT-OF-WAY
S	SOUTH/SLOPE
SAN	SANITARY
SCHED	SCHEDULE
SD	STORM DRAIN
SECT	SECTION
SERV	SERVICE
SF	SQUARE FEET/FOOT
SHLD	SHOULDER
SHT	SHEET
SP	1 SHIELDED PAIR IN SHINGLE CABLE
SPEC	SPECIAL
SPECS	SPECIFICATIONS
SQ	SQUARE
SR	STATE ROUTE
SS	SANITARY SEWER
ST	STREET
STA	STATION
SUP	SPECIAL USE PERMIT
S/W	SIDEWALK
T	TELEPHONE, TANGENT, TON
TAN	TANGENT
TBM	TEMPORARY BENCHMARK
TCE	TEMPORARY CONSTRUCTION EASEMENT
TEMP	TEMPORARY
TP	TELEPHONE POLE
TYP	TYPICAL
UD	UNDERDRAIN PIPE
UG	UNDERGROUND
VAR	VARIES
VC	VERTICAL CURVE
VERT.	VERTICAL
W	WEST, WATER
W/	WITH
WM	WATER METER
WM	WATERMAIN
W/O	WITHOUT
WV	WATER VALVE
Y	YELLOW
Y	YELLOW (FLASH)
YDS	YARDS
&	AND

811 Know what's below. Call before you dig.

SURVEY JOB NO: 22014	04/2022	NUM.	REVISION	BY	DATE
CHECKED: T. CRAY	04/2022				
CAD ENTERED: C. KLINGELE	04/2026				
DESIGNED: C. KLINGELE	04/2026				
CHECKED: J. LINDERS	04/2026				
SUPERVISOR: A. MCMANUS	04/2026				

100% DESIGN PROGRESS COPY 04/2026

FED. AID No.

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

LEGEND AND ABBREVIATIONS

King County

SHEET 2 OF 41 SHEETS

321-22 (2)

PROJECT: SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT PROJECT
PROJECT LIMITS: 1)SE GREEN VALLEY RD: 600 FT WEST OF 218TH AVE SE TO 275 FT EAST OF 218TH AVE SE
2)212TH WAY SE TO 218TH AVE SE: 250 FT S OF SE GREEN VALLEY RD TO 275 FT NORTH OF SE GREEN VALLEY RD
PROJECT LENGTH: 1) 0.17 MILES
2) 0.10 MILES

SUMMARY OF QUANTITIES

ITEM NO.	TOTAL QUANTITY	UNIT	STD. ITEM NO.	SPEC. SECTION	ITEM	PROJECT NUMBERS 1139145		AS-BUILT	
					PREPARATION				
1	LUMP SUM	L.S.	0001	2-01	MOBILIZATION	LUMP SUM			
2	LUMP SUM	L.S.	0035	3-01	CLEARING AND GRUBBING	LUMP SUM			
3	LUMP SUM	L.S.	0050	3-02	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM			
					GRADING				
4	1,620	C.Y.	310	3-03	ROADWAY EXCAVATION INCL. HAUL	1,620			
5	300	TON	431	3-03	GRAVEL BORROW INCL. HAUL	300			
					DRAINAGE				
6	560	C.Y.	1030	3-03	DITCH EXCAVATION INCL. HAUL	560			
7	4	EACH	1046	7-05	CONCRETE INLET	4			
8	51	C.Y.	1085	8-15	QUARRY SPALLS	51			
9	3	EACH	1100	7-02	FLARED END SECTION 12 IN. DIAM.	3			
10	1	EACH	1102	7-02	FLARED END SECTION 18 IN. DIAM.	1			
11	1,272	L.F.	1180	7-02	SCHEDULE A CULV. PIPE 12 IN. DIAM.	1,272			
12	94	L.F.	1182	7-02	SCHEDULE A CULV. PIPE 18 IN. DIAM.	94			
					STORM SEWER				
13	3	EACH	3090	7-05	CATCH BASIN TYPE 1L	3			
14	10	EACH	3091	7-05	CATCH BASIN TYPE 1	10			
15	8	EACH	3105	7-05	CATCH BASIN TYPE 2 48 IN. DIAM.	8			
					WATER LINES				
16	139	C.Y.	3815	7-09	BANK RUN GRAVEL FOR TRENCH BACKFILL	139			
					SURFACING				
17	2,730	TON	5100	4-05	CRUSHED SURFACING BASE COURSE	2,730			
					HOT MIX ASPHALT				
18	600	S.Y.	5711	5-04	PLANING BITUMINOUS PAVEMENT	600			
19	1,810	TON	5767	5-04	HMA CL. 1/2 IN. PG 58H-22	1,810			
					EROSION CONTROL AND ROADSIDE PLANTING				
20	26	EACH	6471	8-01	INLET PROTECTION	26			
21	76	S.Y.	6468	8-01	STABILIZED CONSTRUCTION ENTRANCE	76			
22	LUMP SUM	L.S.	6488	8-01	EROSION CONTROL AND WATER POLLUTION PREVENTION	LUMP SUM			
23	1,840	S.Y.	6431	8-02	SEEDING, FERTILIZING, AND MULCHING	1,840			
24	1,455	S.Y.	6530	8-02	SOIL AMENDMENT	1,455			
25	570	C.Y.	–	8-02 SP	TOPSOIL TYPE A	570			
26	111	S.Y.	–	8-02 SP	BIORETENTION SOIL MIX	111			
27	3	EACH	6552	8-02	PSIPE SHORE PINE, 60 IN HT, NO. 5 CONT.	3			
28	8	EACH	6552	8-02	PSIPE STRAWBERRY TREE, 24 IN HT, NO. 2 CONT.	8			
29	7	EACH	6552	8-02	PSIPE DOUGLAS FIR, 18 IN HT, NO. 2 CONT.	7			
30	7	EACH	6552	8-02	PSIPE WESTERN RED CEDAR, 18 IN HT, NO. 2 CONT.	7			
31	15	EACH	6552	8-02	PSIPE PURPLE PAVEMENT ROSE, 12 IN HT, NO. 2 CONT.	15			
32	23	EACH	6552	8-02	PSIPE SNOWBERRY, 12 IN HT, NO. 2 CONT.	23			
33	27	EACH	6552	8-02	PSIPE VINE MAPLE, 24 IN HT, NO. 2 CONT.	27			
34	27	EACH	6552	8-02	PSIPE OCEANSPRAY, 18 IN HT, NO. 2 CONT.	27			
35	117	EACH	6552	8-02	PSIPE WESTERN SWORDFERN, 12 IN HT, NO. 1 CONT.	117			
36	24	EACH	6552	8-02	PSIPE BEACH STRAWBERRY, 6 IN HT, NO. 1 CONT.	24			
37	25	EACH	6552	8-02	PSIPE CEANOTHUS 'POINT REYES', 6 IN HT, NO. 1 CONT.	25			
38	25	EACH	6552	8-02	PSIPE CREEPING OREGON GRAPE, 6 IN HT, NO. 1 CONT.	25			
39	631	S.Y.	6580	8-02	BARK OR WOOD CHIP MULCH	631			
40	1,810	L.F.	6635	8-01	HIGH VISIBILITY SILT FENCE	1,810			
41	42	C.Y.	–	8-15 SP	ROUNDABOUT COBBLES	42			
42	792	S.Y.	–	8-02 SP	SOIL DECOMPACTION	792			
					TRAFFIC				
43	1,970	L.F.	6701	8-04	CEMENT CONC. TRAFFIC CURB	1,970			
44	260	L.F.	6709	8-04	ROUNDABOUT TRUCK APRON CEM. CONC. CURB AND GUTTER	260			
45	850	L.F.	–	8-04 SP	CEMENT CONC. EXTRUDED CURB 1.5 FT. WIDE	850			
46	1,300	L.F.	6806	8-22	PAINT LINE	1,300			
47	322	S.F.	6857	8-22	PLASTIC CROSSWALK LINE	322			
48	1	HUND	6884	8-09	RAISED PAVEMENT MARKER TYPE 2	1			
49	LUMP SUM	L.S.	6890	8-21	PERMANENT SIGNING	LUMP SUM			
50	1540	L.F.	6895	8-23	TEMPORARY PAVEMENT MARKING – SHORT DURATION	1540			
51	LUMP SUM	L.S.	6904	8-20	ILLUMINATION SYSTEM	LUMP SUM			
52	LUMP SUM	L.S.	6971	2-04	PROJECT TEMPORARY TRAFFIC CONTROL	LUMP SUM			
53	$10,000.00	CALC.	7572	2-04 SP	WORK ZONE SAFETY CONTINGENCY	$10,000.00			
54	LUMP SUM	L.S.	6869	2-04	PEDESTRIAN TRAFFIC CONTROL	LUMP SUM			
55	LUMP SUM	L.S.	–	2-03	DETOUR SIGNING	LUMP SUM			
56	240	L.F.	6818	8-22	PLASTIC WIDE LINE	240			
					OTHER ITEMS				
57	278	C.Y.	7006	7-05	STRUCTURE EXCAVATION CLASS B INCL. HAUL	278			
58	6744	S.F.	7008	7-05	SHORING OR EXTRA EXCAVATION CLASS B	6,744			
59	1	EACH	7029	7-08	PLUGGING EXISTING PIPE	1			
60	LUMP SUM	L.S.	7038	1-05	ROADWAY SURVEYING	LUMP SUM			
61	2	EACH	7041	9-28	BOLLARD TYPE 1	2			
62	2	EACH	7045	8-13	MONUMENT CASE AND COVER	2			
63	2	EACH	7380	8-13	ADJUST MONUMENT CASE AND COVER	2			
64	100	S.Y.	7055	8-14	CEMENT CONC. SIDEWALK	100			
65	320	S.F.	7054	8-14	DETECTABLE WARNING SURFACE	320			
66	281	S.Y.	–	5-05 SP	TEXTURED AND PIGMENTED CEMENT CONC. TRUCK APRON	281			
67	225	S.Y.	–	5-05 SP	TEXTURED AND PIGMENTED CEMENT CONC. SPLITTER ISLAND	225			
68	74	S.Y.	–	3-09 SP	LOW IMPERMEABLE LINER	74			
69	2	EACH	9605	7-05	CONNECTION TO DRAINAGE STRUCTURE	2			
70	1	EACH	3110	9-05	LOCKING SOLID METAL COVER AND FRAME FOR CATCH BASIN	1			
71	$10,000	EST.	7480	3-01	ROADSIDE CLEANUP	$10,000			
72	$40,000	CALC.	7728	1-04	MINOR CHANGE	$40,000			
73	LUMP SUM	L.S.	7736	1-07	SPCC PLAN	LUMP SUM			

NOTES: 1. FOR SPECIAL FEATURES, SEE SPECIAL PROVISIONS.
2. PROJECT IS SUBJECT TO WSDOT STANDARD SPECIFICATION 1-07.2(1).

Know what's below.
Call before you dig.

SURVEY JOB NO:	22014	04/2022		
CHECKED:	T. CRAY	04/2022		
CAD ENTERED:	C. KLINGELE	04/2026		
DESIGNED:	C. KLINGELE	04/2026		
CHECKED:	J. LINDERS	04/2026		
SUPERVISOR:	A. MCMANUS	04/2026		

NUM.	REVISION	BY	DATE

100% DESIGN
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04/2026

FED. AID No.
PROJECT No. 1139145
MAINTENANCE DIVISION No. 4

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

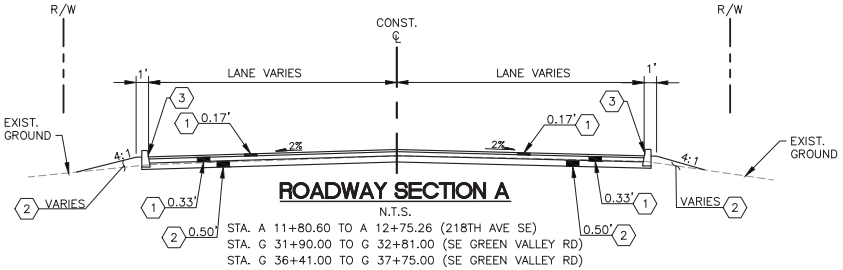
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

SUMMARY OF QUANTITIES

King County

SHEET 3 OF 41 SHEETS

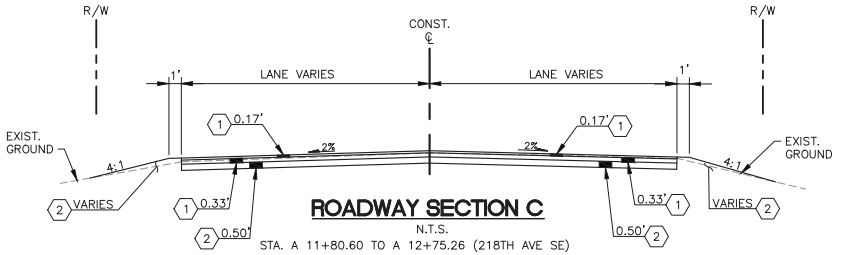
321-22 (3)



ROADWAY SECTION A

N.T.S.

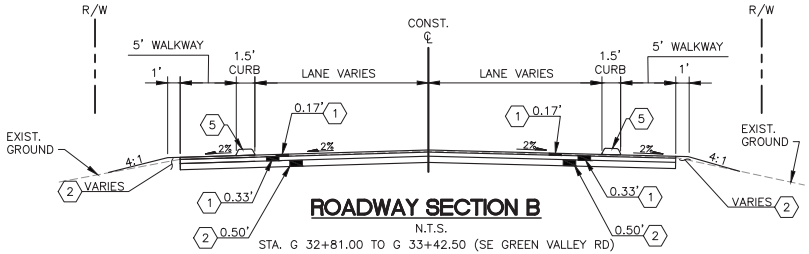
STA. A 11+80.60 TO A 12+75.26 (218TH AVE SE)
STA. G 31+90.00 TO G 32+81.00 (SE GREEN VALLEY RD)
STA. G 36+41.00 TO G 37+75.00 (SE GREEN VALLEY RD)



ROADWAY SECTION C

N.T.S.

STA. A 11+80.60 TO A 12+75.26 (218TH AVE SE)

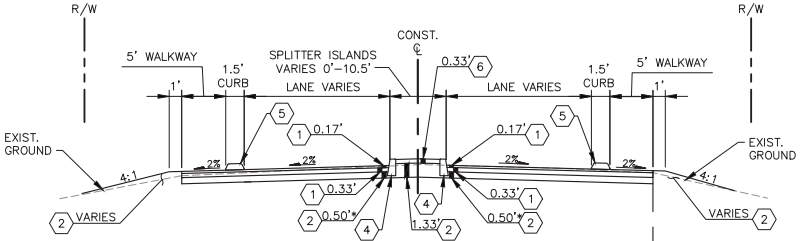


ROADWAY SECTION B

N.T.S.

STA. G 32+81.00 TO G 33+42.50 (SE GREEN VALLEY RD)

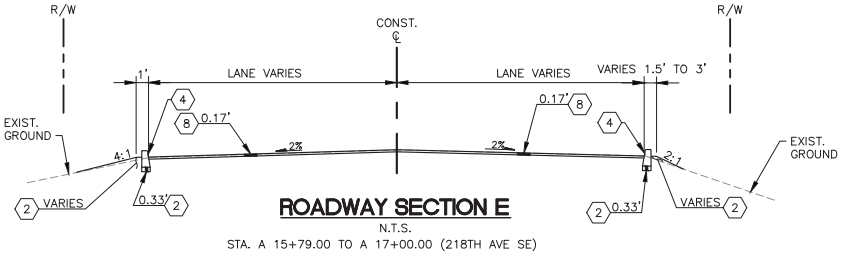
(*THICKNESS 0.33')



ROADWAY SECTION D

N.T.S.

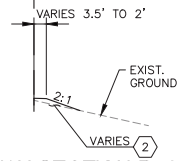
STA. A 12+84.60 TO A 13+67.17 (218TH AVE SE)
STA. A 14+91.00 TO A 15+45.74 (218TH AVE SE)
STA. G 33+42.50 TO G 34+29.41 (SE GREEN VALLEY RD)
STA. G 35+53.60 TO G 36+40.43 (SE GREEN VALLEY RD)



ROADWAY SECTION E

N.T.S.

STA. A 15+79.00 TO A 17+00.00 (218TH AVE SE)



ROADWAY SECTION D-2

N.T.S.

STA. A 15+45.74 TO A 15+79.00 (218TH AVE SE)

NOTE: * INDICATES DEPTH MAY VARY DEPENDING ON EXISTING GRADE. ALL DEPTHS SHOWN AS MINIMUM COMPACTED DEPTH.

ROADWAY SECTION NOTES

1. HMA CL 1/2" PG 58H–22
2. CRUSHED SURFACING BASE COURSE (CSBC)
4. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F–10.12.
5. CEMENT CONCRETE EXTRUDED CURB 1.5' WIDE. SEE DETAIL SHEET 11.
6. TEXTURED AND PIGMENTED CEMENT CONC. SPLITTER ISLAND
8. PLANING BITUMINOUS PAVEMENT AND OVERLAY WITH 0.17 FT. COMPACTED DEPTH HMA CL. 1/2 IN. PG 58H–22

811 Know what's below. Call before you dig.

SURVEY JOB NO: 22014	04/2022				
CHECKED: T. CRAY	04/2022				
CAD ENTERED: C. KLINGELE	04/2026				
DESIGNED: C. KLINGELE	04/2026				
CHECKED: J. LINDERS	04/2026				
SUPERVISOR: A. MCMANUS	04/2026				
		NUM.	REVISION	BY	DATE

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FED. AID No.

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

ALBERT MARIE MCMANUS — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

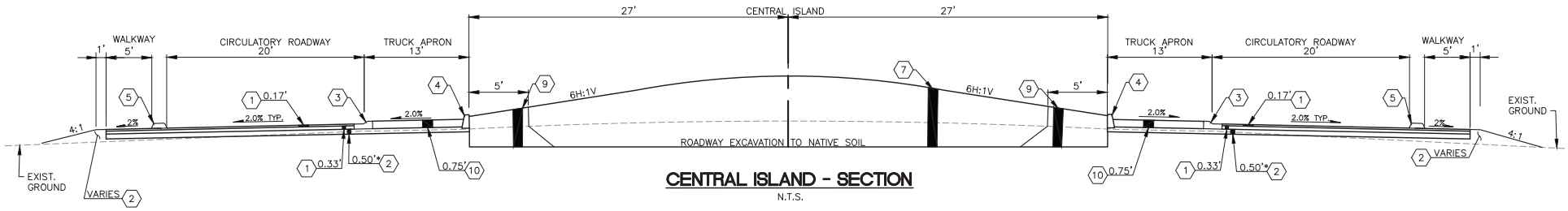
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

ROADWAY SECTIONS AND DETAILS

King County

SHEET 4 OF 41 SHEETS

321-22 (4)



CENTRAL ISLAND - SECTION

N.T.S.

NOTE: * INDICATES DEPTH MAY VARY DEPENDING ON EXISTING GRADE. ALL DEPTHS SHOWN AS MINIMUM COMPACTED DEPTH.

GENERAL NOTES

1. COBBLES MUST BE INSTALLED BEFORE INSTALLATION OF TOPSOIL TYPE A AND BARK OR WOOD CHIP MULCH.

ROADWAY SECTION NOTES

1. HMA CL 1/2" PG 58H-22
2. CRUSHED SURFACING BASE COURSE (CSBC)
3. ROUNDABOUT TRUCK APRON CEMENT CONCRETE AND GUTTER PER WSDOT STD. PLAN F-10.18.
4. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STD PLAN F-10.12.
5. CEMENT CONCRETE EXTRUDED CURB 1.5' WIDE. SEE DETAIL SHEET 11.
7. LANDSCAPE AREA. SEE SHEETS 31-34.
9. ROUNDABOUT COBBLES.
10. TEXTURED AND PIGMENTED CEMENT CONC. TRUCK APRON

811 Know what's below. Call before you dig.

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DESIGNED: C. KLINGELE	04/2026				
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SUPERVISOR: A. MCMANUS	04/2026				
		NUM.	REVISION	BY	DATE

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PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

ALLEN MARIS MCMANUS, STATE OF WASHINGTON, 24294, REGISTERED PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

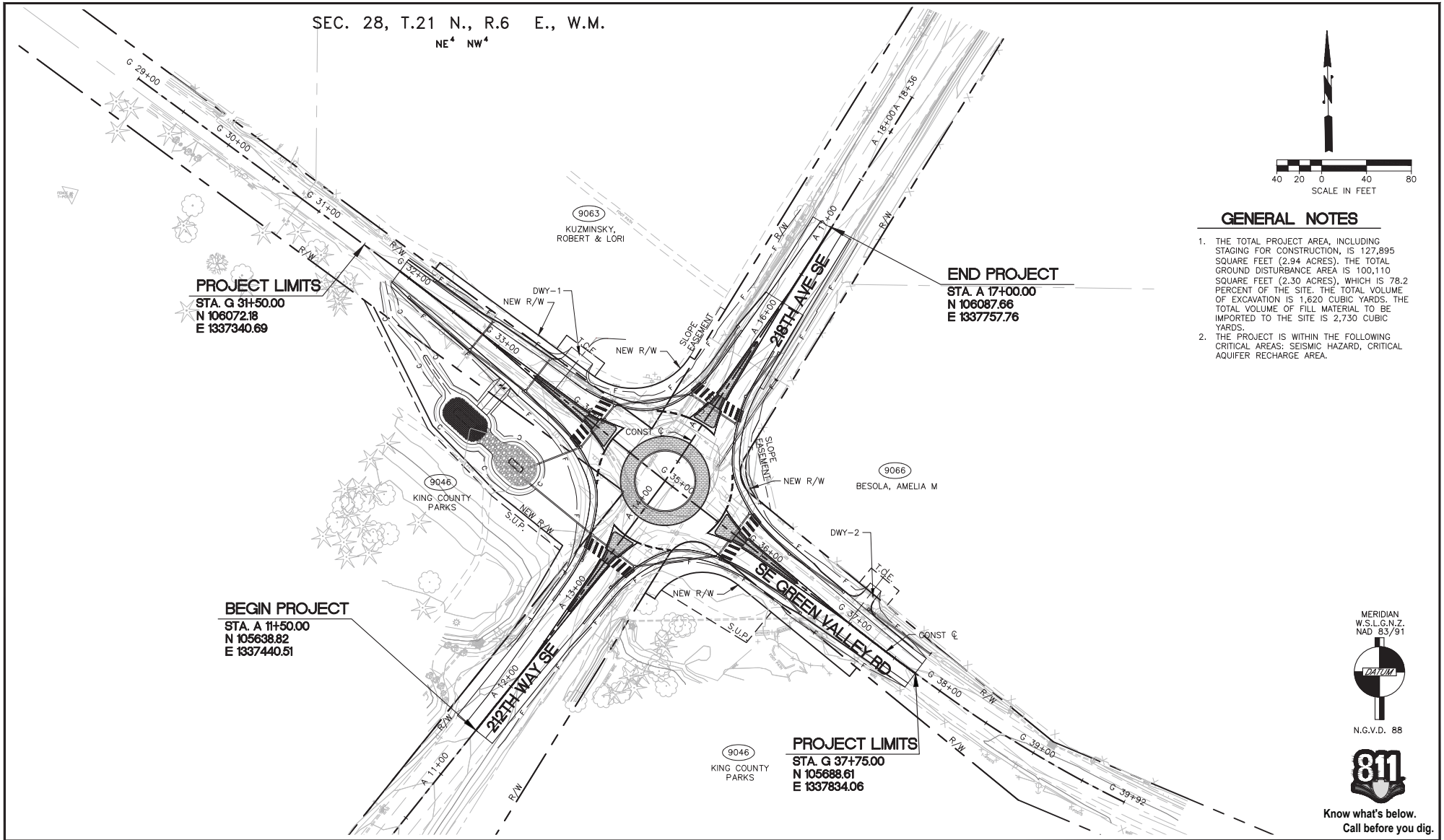
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

CENTRAL ISLAND SECTIONS

King County

SHEET 5 OF 41 SHEETS

321-22 (5)



GENERAL NOTES

1. THE TOTAL PROJECT AREA, INCLUDING STAGING FOR CONSTRUCTION, IS 127,895 SQUARE FEET (2.94 ACRES). THE TOTAL GROUND DISTURBANCE AREA IS 100,110 SQUARE FEET (2.30 ACRES), WHICH IS 78.2 PERCENT OF THE SITE. THE TOTAL VOLUME OF EXCAVATION IS 1,620 CUBIC YARDS. THE TOTAL VOLUME OF FILL MATERIAL TO BE IMPORTED TO THE SITE IS 2,730 CUBIC YARDS.
2. THE PROJECT IS WITHIN THE FOLLOWING CRITICAL AREAS: SEISMIC HAZARD, CRITICAL AQUIFER RECHARGE AREA.

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91
DATUM
N.G.V.D. 88

811
Know what's below.
Call before you dig.

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DESIGNED: C. KLINGELE	04/2026				
CHECKED: J. LINDERS	04/2026				
SUPERVISOR: A. MCMANUS	04/2026				

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FED. AID No.
PROJECT No. 1139145
MAINTENANCE DIVISION No. 4

ALBERT MARK MCMANUS
STATE OF WASHINGTON
24284
REGISTERED
PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

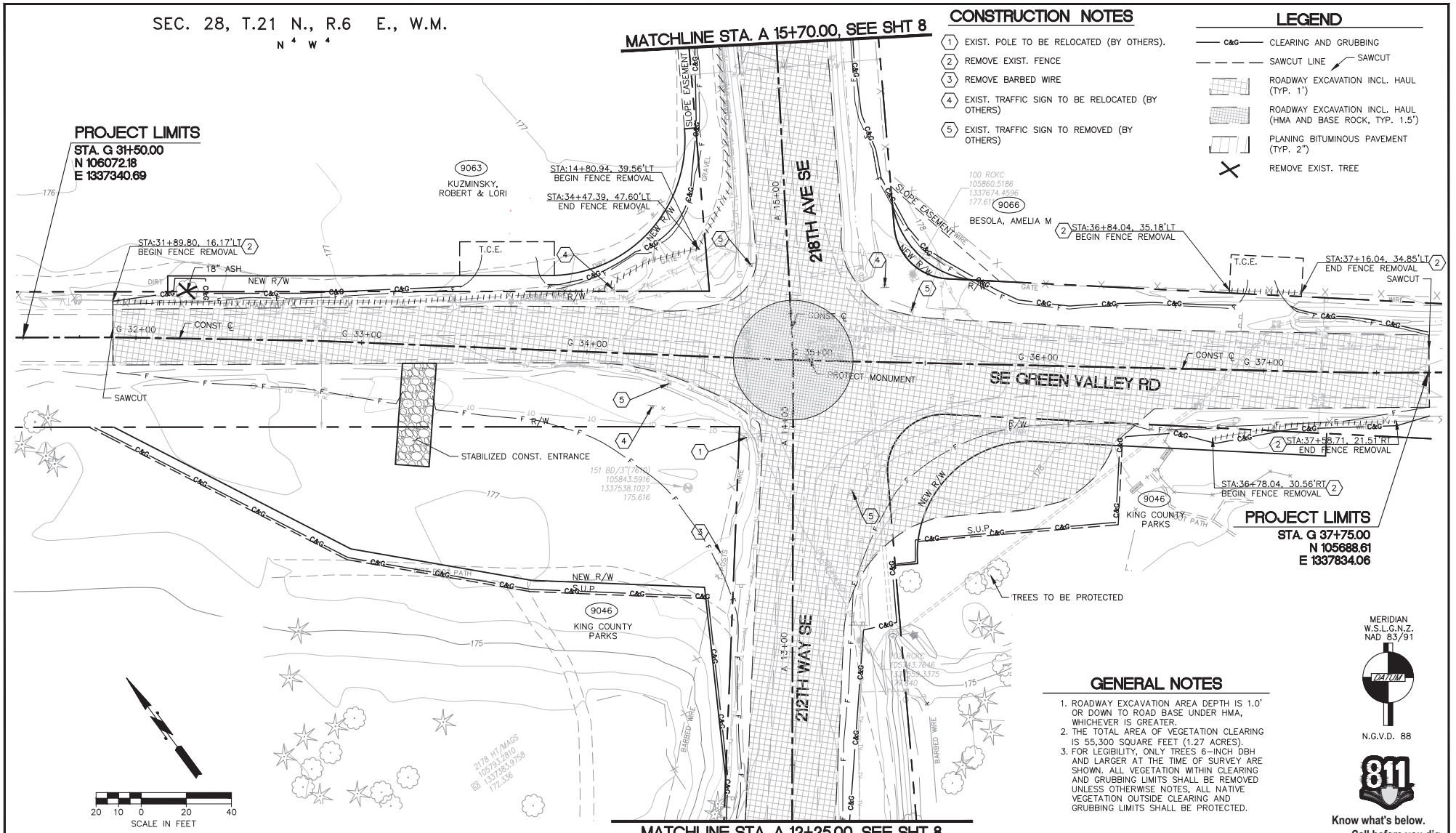
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

OVERALL PROJECT PLAN

King County

SHEET 6 OF 41 SHEETS

321-22 (6)



CONSTRUCTION NOTES

1. EXIST. POLE TO BE RELOCATED (BY OTHERS).
2. REMOVE EXIST. FENCE
3. REMOVE BARBED WIRE
4. EXIST. TRAFFIC SIGN TO BE RELOCATED (BY OTHERS)
5. EXIST. TRAFFIC SIGN TO REMOVED (BY OTHERS)

LEGEND

- C&G — CLEARING AND GRUBBING
- SAWCUT LINE — SAWCUT
- ROADWAY EXCAVATION INCL. HAUL (TYP. 1')
- ROADWAY EXCAVATION INCL. HAUL (HMA AND BASE ROCK, TYP. 1.5')
- PLANING BITUMINOUS PAVEMENT (TYP. 2")
- REMOVE EXIST. TREE

GENERAL NOTES

1. ROADWAY EXCAVATION AREA DEPTH IS 1.0' OR DOWN TO ROAD BASE UNDER HMA, WHICHEVER IS GREATER.
2. THE TOTAL AREA OF VEGETATION CLEARING IS 55,300 SQUARE FEET (1.27 ACRES).
3. FOR LEGIBILITY, ONLY TREES 6-INCH DBH AND LARGER AT THE TIME OF SURVEY ARE SHOWN. ALL VEGETATION WITHIN CLEARING AND GRUBBING LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTES, ALL NATIVE VEGETATION OUTSIDE CLEARING AND GRUBBING LIMITS SHALL BE PROTECTED.

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91
DATUM
N.G.V.D. 88

811
Know what's below.
Call before you dig.

SURVEY JOB NO:	22014	04/2022			
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CAD ENTERED:	C. KLINGELE	04/2026			
DESIGNED:	C. KLINGELE	04/2026			
CHECKED:	J. LINDERS	04/2026			
SUPERVISOR:	A. MCMANUS	04/2026			

NUM.	REVISION	BY	DATE

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PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

ALBERT MARK MCMANUS
STATE OF WASHINGTON
22426
REGISTERED
PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

SITE PREPARATION PLAN 1

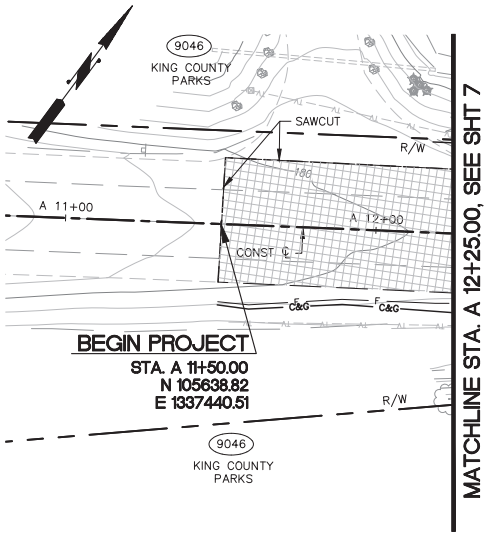
King County

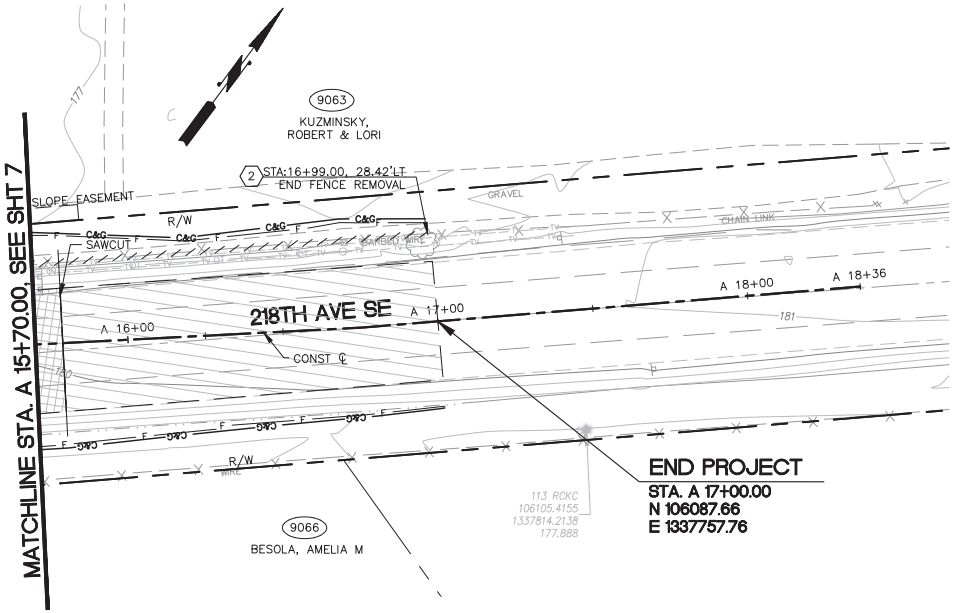
SHEET 7 OF 41 SHEETS

321-22 (7)

SEC. 28, T.21 N., R.6 E., W.M.

N 4 W 4





CONSTRUCTION NOTES

1. EXIST. POLE TO BE RELOCATED (BY OTHERS).
2. REMOVE EXIST. FENCE
3. REMOVE BARBED WIRE
4. EXIST. TRAFFIC SIGN TO BE RELOCATED (BY OTHERS)
5. EXIST. TRAFFIC SIGN TO REMOVED (BY OTHERS)

LEGEND

- C&G — CLEARING AND GRUBBING
- SAWCUT LINE — SAWCUT
- ROADWAY EXCAVATION INCL. HAUL (TYP. 1')
- ROADWAY EXCAVATION INCL. HAUL (HMA AND BASE ROCK, TYP. 1.5')
- PLANING BITUMINOUS PAVEMENT (TYP. 2")
- REMOVE EXIST. TREE

GENERAL NOTES

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3. FOR LEGIBILITY, ONLY TREES 6-INCH DBH AND LARGER AT THE TIME OF SURVEY ARE SHOWN. ALL VEGETATION WITHIN CLEARING AND GRUBBING LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTES, ALL NATIVE VEGETATION OUTSIDE CLEARING AND GRUBBING LIMITS SHALL BE PROTECTED.

20 10 0 20 40
SCALE IN FEET

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91
DATUM
N.G.V.D. 88

811
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SUPERVISOR: A. MCMANUS	04/2026				
		NUM.	REVISION	BY	DATE

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PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

ALBERT MARIE MCMANUS — STATE OF WASHINGTON — 24284 — REGISTERED PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

SITE PREPARATION PLAN 2

King County

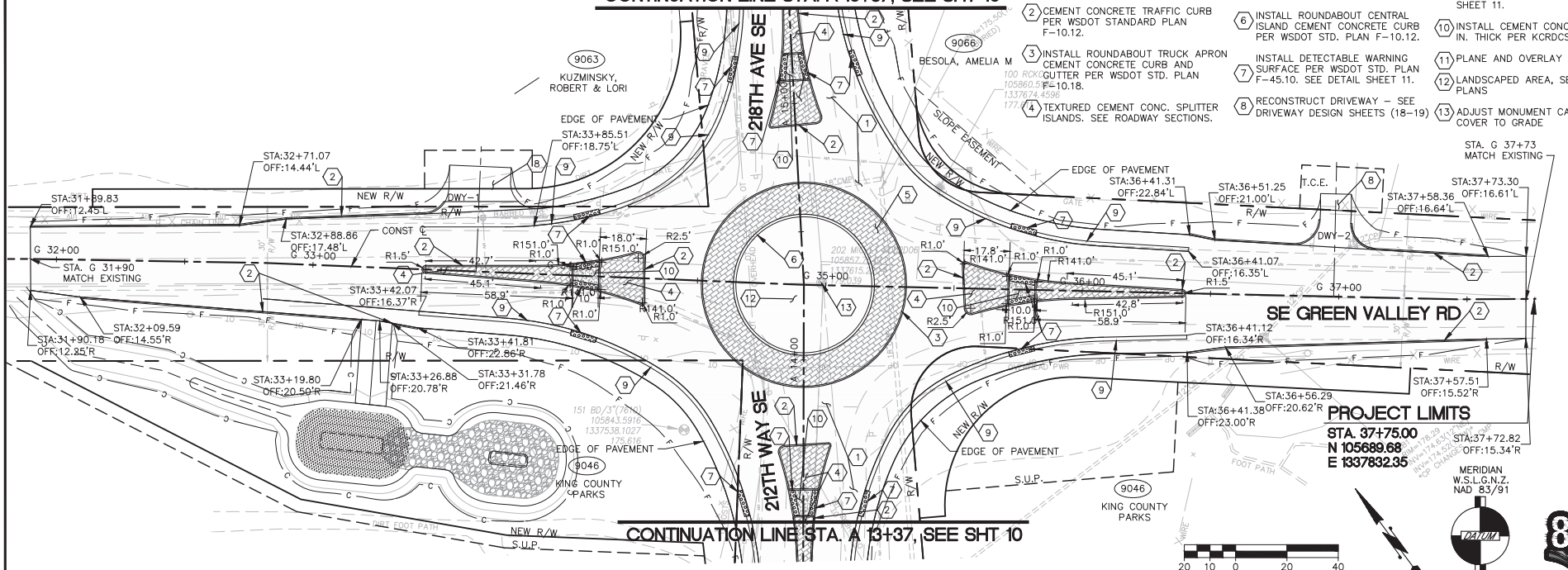
SHEET 8 OF 41 SHEETS

321-22 (8)

SEC. 28, T.21 N., R.6 E., W.M.

NE¼ NW¼

CONTINUATION LINE STA. A 15+37, SEE SHT 10

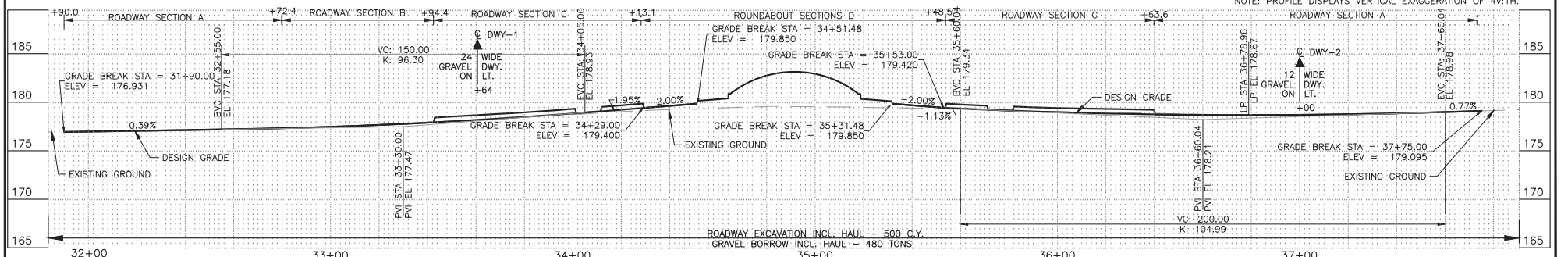


CONTINUATION LINE STA. A 13+37, SEE SHT 10

CONSTRUCTION NOTES

1. NEW PAVEMENT. SEE TYPICAL ROADWAY SECTION SHEETS.
2. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12.
3. INSTALL ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER PER WSDOT STD. PLAN F-10.18.
4. TEXTURED CEMENT CONC. SPLITTER ISLANDS. SEE ROADWAY SECTIONS.
5. TEXTURED CEMENT CONC. TRUCK APRON. SEE ROADWAY SECTIONS.
6. INSTALL ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB PER WSDOT STD. PLAN F-10.12.
7. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10. SEE DETAIL SHEET 11.
8. RECONSTRUCT DRIVEWAY – SEE DRIVEWAY DESIGN SHEETS (18-19)
9. INSTALL CEMENT CONC. CURB 1.5' WIDE PER ROADWAY DETAILS. SEE SHEET 11.
10. INSTALL CEMENT CONC. SIDEWALK 4 IN. THICK PER KCRDCS FIG. 3-002.
11. PLANE AND OVERLAY
12. LANDSCAPED AREA, SEE LANDSCAPE PLANS
13. ADJUST MONUMENT CASE AND COVER TO GRADE

NOTE: PROFILE DISPLAYS VERTICAL EXAGGERATION OF 4V:1H.



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CHECKED: J. LINDERS	04/2026					
SUPERVISOR: A. MCMANUS	04/2026					
		NUM.	REVISION	BY	DATE	

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PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

ALBERT MARIE MCMANUS STATE OF WASHINGTON 24224 REGISTERED PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

SE GREEN VALLEY RD ROADWAY PLAN & PROFILE

King County

SHEET 9 OF 41 SHEETS

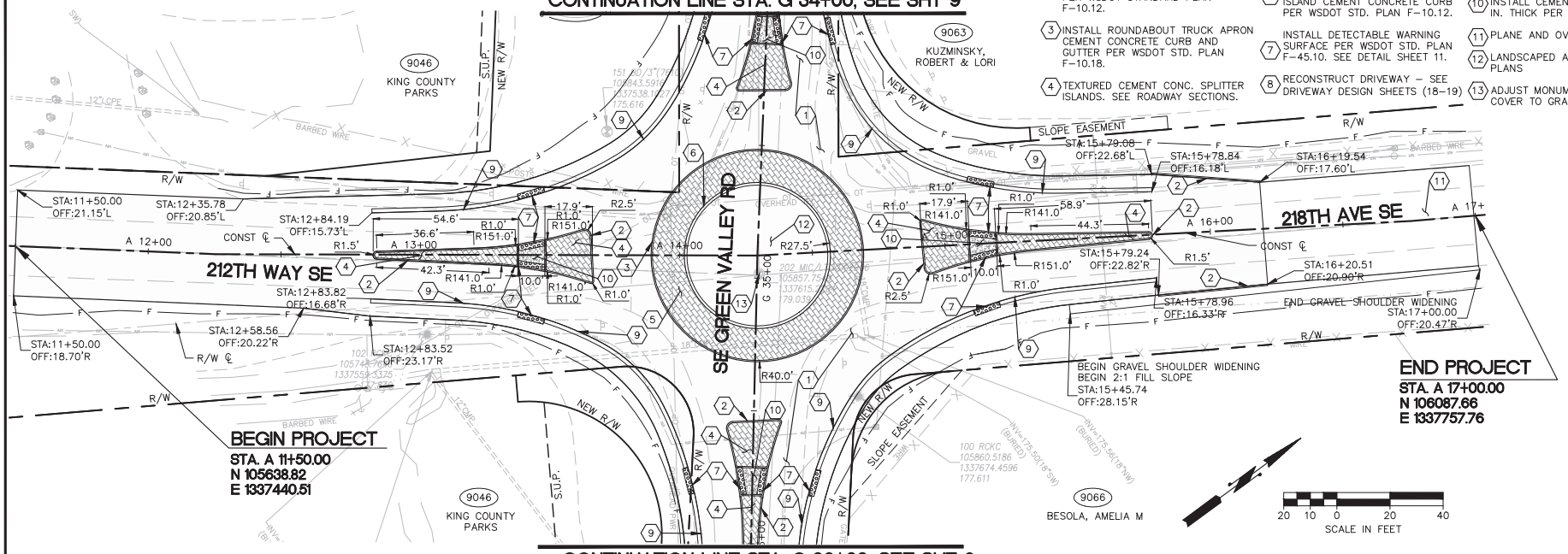
321-22 (9)

SEC. 28, T.21 N., R.6 E., W.M.

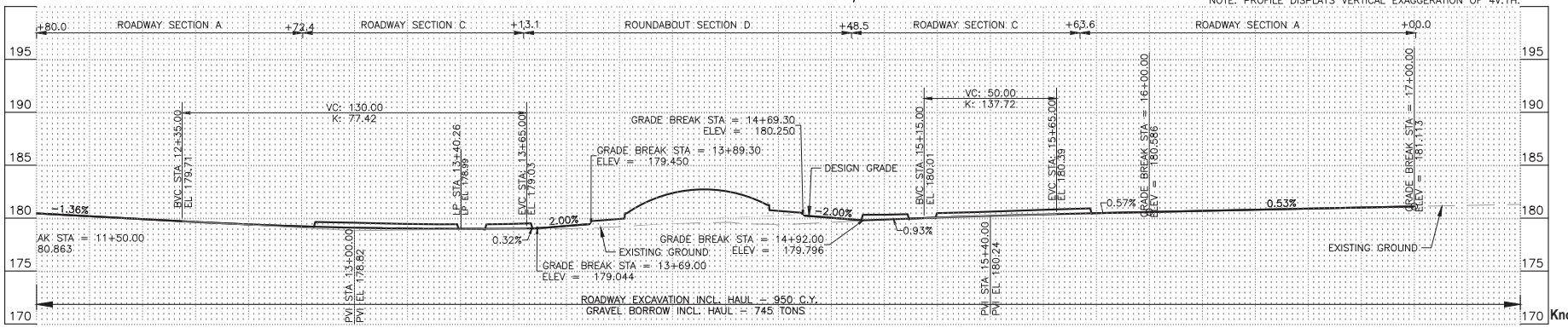
NE^4 NW^4

CONSTRUCTION NOTES

1. NEW PAVEMENT. SEE TYPICAL ROADWAY SECTION SHEETS.
2. CEMENT CONCRETE TRAFFIC CURB PER WSDOT STANDARD PLAN F-10.12.
3. INSTALL ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER PER WSDOT STD. PLAN F-10.18.
4. TEXTURED CEMENT CONC. SPLITTER ISLANDS. SEE ROADWAY SECTIONS.
5. TEXTURED CEMENT CONC. TRUCK APRON. SEE ROADWAY SECTIONS.
6. INSTALL ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB PER WSDOT STD. PLAN F-10.12.
7. INSTALL DETECTABLE WARNING SURFACE PER WSDOT STD. PLAN F-45.10. SEE DETAIL SHEET 11.
8. RECONSTRUCT DRIVEWAY – SEE DRIVEWAY DESIGN SHEETS (18–19)
9. INSTALL CEMENT CONC. CURB 1.5' WIDE PER ROADWAY DETAILS. SEE SHEET 11.
10. INSTALL CEMENT CONC. SIDEWALK 4 IN. THICK PER KCRDCS FIG. 3-002.
11. PLANE AND OVERLAY
12. LANDSCAPED AREA, SEE LANDSCAPE PLANS
13. ADJUST MONUMENT CASE AND COVER TO GRADE



NOTE: PROFILE DISPLAYS VERTICAL EXAGGERATION OF 4V:1H.



MERIDIAN
W.S.L.G.N.Z.
NAD 83/91
DATUM
N.G.V.D. 88

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SUPERVISOR: A. MCMANUS	04/2026				
		NUM.	REVISION	BY	DATE

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PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

ALBERT MARIE MCMANUS — STATE OF WASHINGTON — 24224 — REGISTERED PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

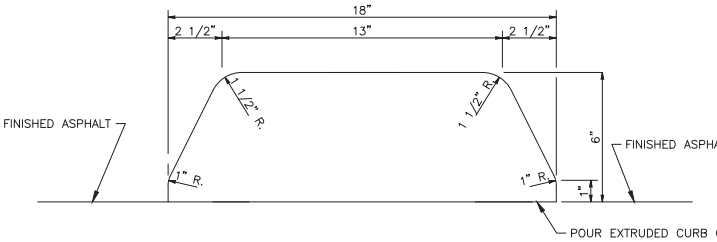
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

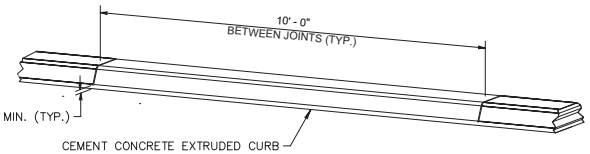
218TH AVE SE ROADWAY PLAN & PROFILE

King County

SHEET 10 OF 41 SHEETS

321-22 (10)

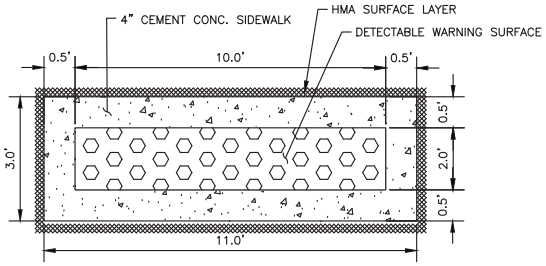




CEMENT CONC. EXTRUDED CURB SECTION VIEW
N.T.S.

CEMENT CONC. EXTRUDED CURB LENGTH VIEW
N.T.S.

CEMENT CONC. EXTRUDED CURB DETAIL



DETECTABLE WARNING SURFACE DETAIL
N.T.S.

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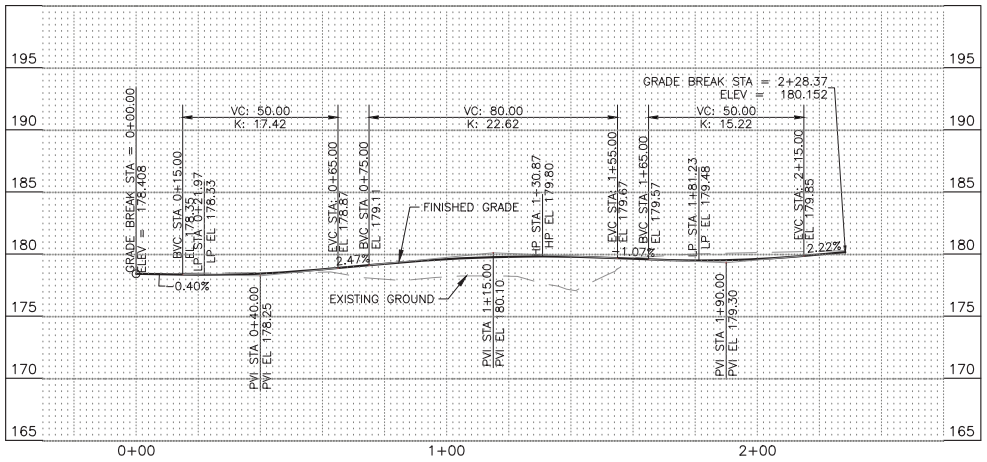
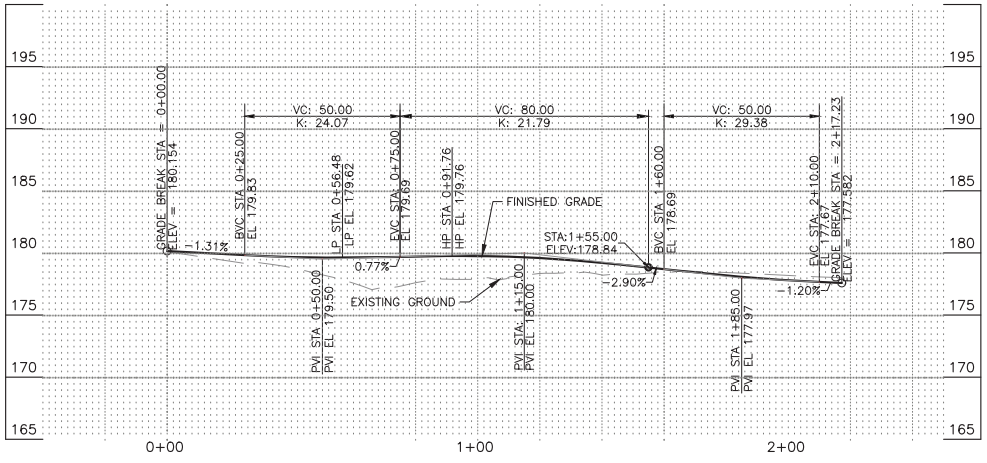
CHECKED: T. CRAY	04/2022					PROJECT No. 1139145			
CAD ENTERED: C. KLINGELE	04/2026								
DESIGNED: C. KLINGELE	04/2026					MAINTENANCE DIVISION No. 4			321-22 (11)
CHECKED: J. LINDERS	04/2026								
SUPERVISOR: A. MCMANUS	04/2026								
		NUM. REVISION	BY	DATE					



PROFILE - NE CURBLINE



PROFILE - NW CURBLINE

MERIDIAN
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NAD 83/91

DATUM

N.G.V.D. 88

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ALBERT MARIE MCMANUS
STATE OF WASHINGTON
54284
REGISTERED
PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

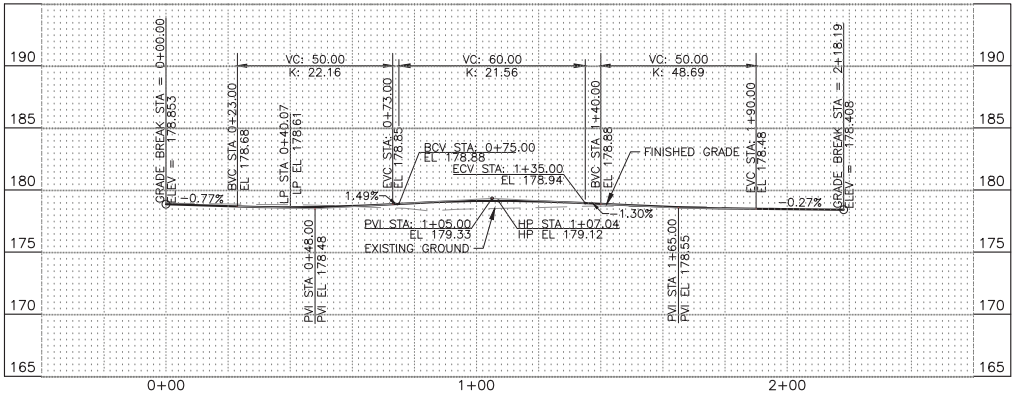
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

CURBLINE PROFILE 1 OF 3

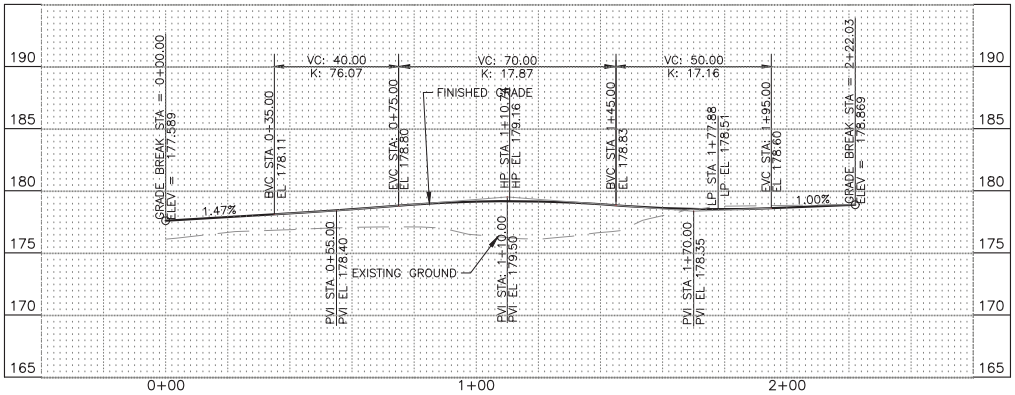
King County

SHEET 12 OF 41 SHEETS

321-22 (12)



PROFILE - SW CURBLINE



PROFILE - SE CURBLINE

MERIDIAN
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NAD 83/91
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PROFESSIONAL ENGINEER
24284

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

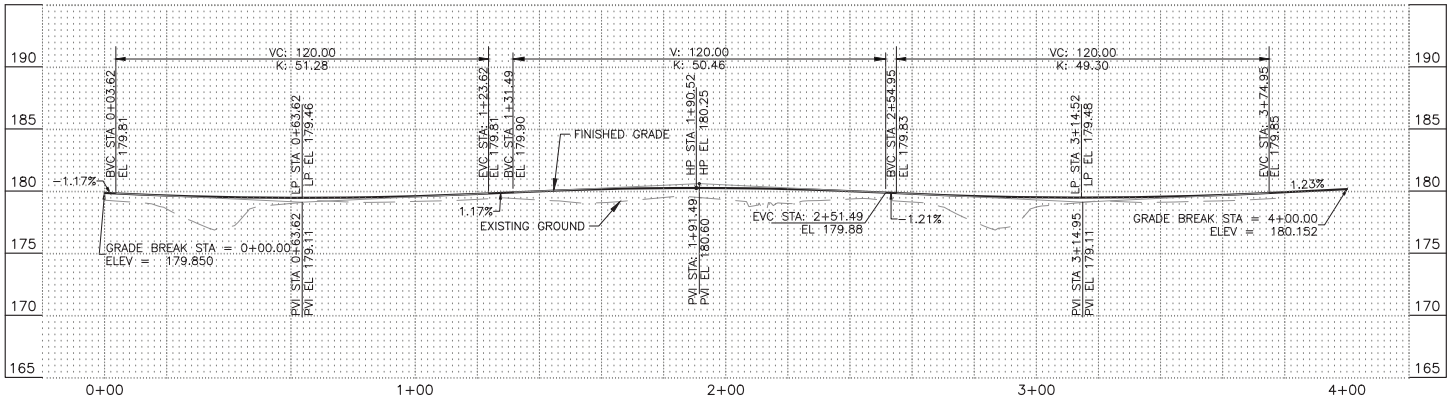
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

CURBLINE PROFILE 2 OF 3

King County

SHEET 13 OF 41 SHEETS

321-22 (13)



PROFILE - TRUCK APRON

811
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ALBERT MARIE MCMANUS
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PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

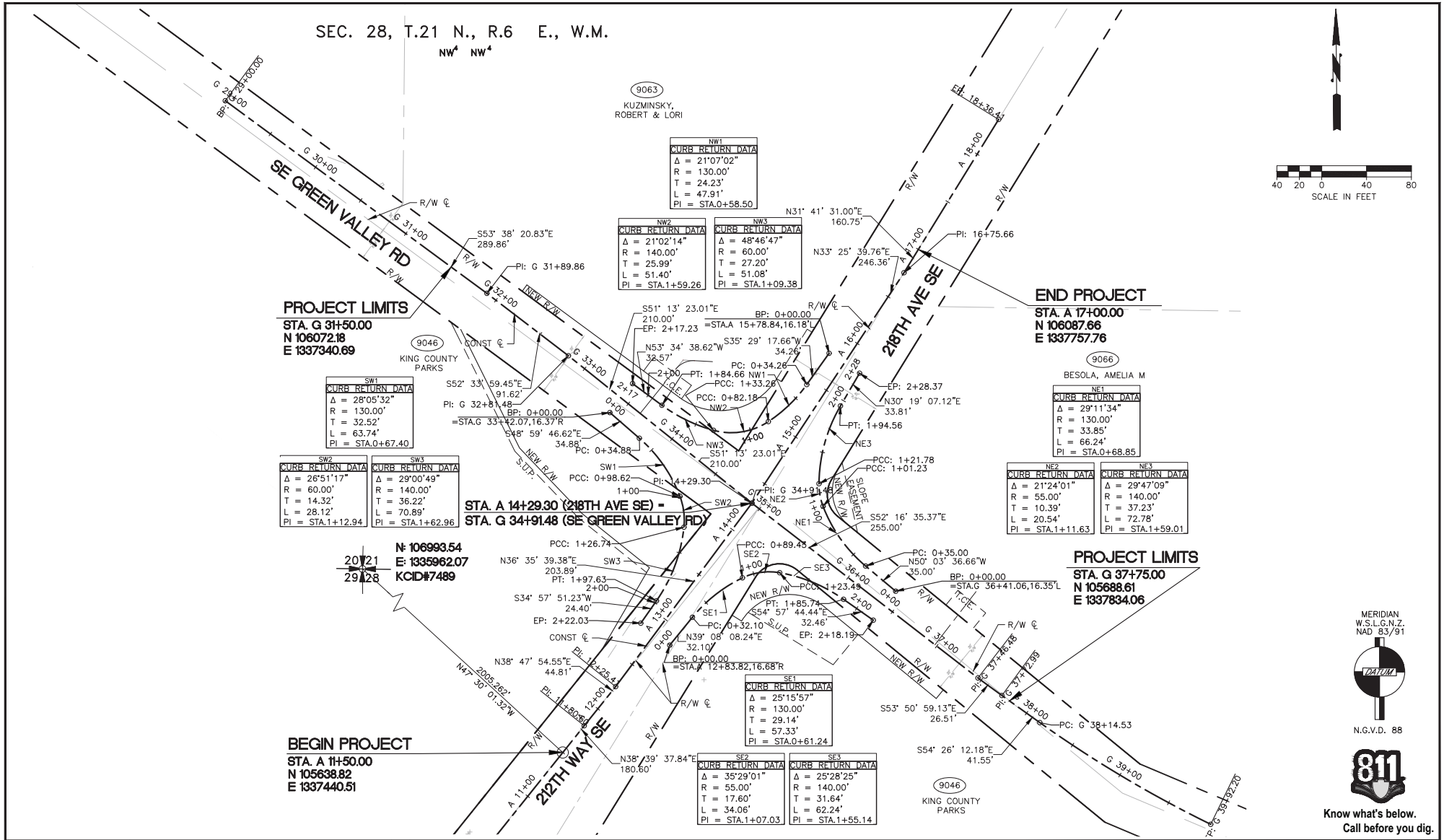
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

CURBLINE PROFILE 3 OF 3

King County

SHEET 14 OF 41 SHEETS

321-22 (14)



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CAD ENTERED: C. KLINGELE	04/2026				
DESIGNED: C. KLINGELE	04/2026				
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MAINTENANCE DIVISION No. 4

ALBERT MARIE MCMANUS STATE OF WASHINGTON 24324 REGISTERED PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

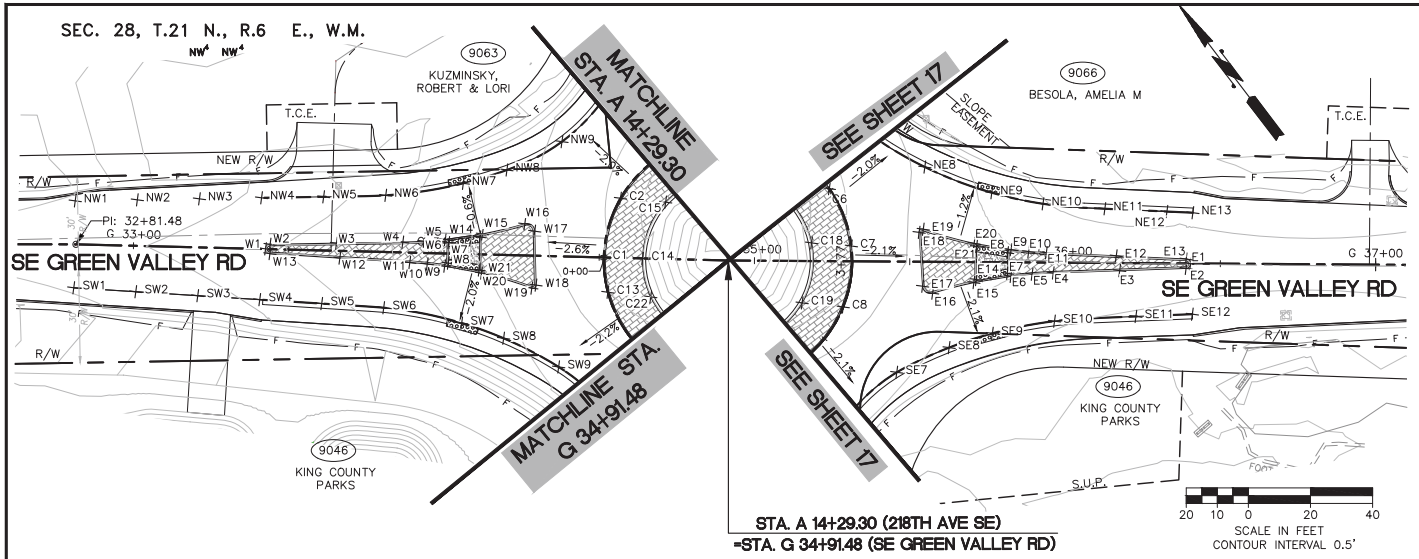
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

HORIZONTAL ALIGNMENT PLAN

King County

SHEET 15 OF 41 SHEETS

321-22 (15)



CURBLINES					
POINT	NORTHING	EASTING	ELEV.	STATION	COMMENTS
NE8	105846.81	1337677.89	179.40'	35+54.66	SE GREEN VALLEY RD CONST CL
NE9	105827.16	1337690.00	178.87'	35+76.26	SE GREEN VALLEY RD CONST CL
NE10	105814.31	1337700.95	178.53'	35+92.78	SE GREEN VALLEY RD CONST CL
NE11	105800.96	1337715.82	178.35'	36+12.71	SE GREEN VALLEY RD CONST CL
NE12	105788.12	1337731.16	178.37'	36+32.70	SE GREEN VALLEY RD CONST CL
NE13	105782.75	1337737.57	178.41'	36+41.06	SE GREEN VALLEY RD CONST CL
NW1	106004.14	1337453.84	177.13'	32+81.22	SE GREEN VALLEY RD CONST CL
NW2	105992.26	1337469.93	177.24'	33+00.87	SE GREEN VALLEY RD CONST CL
NW3	105980.39	1337486.03	177.39'	33+20.86	SE GREEN VALLEY RD CONST CL
NW4	105968.51	1337502.12	177.60'	33+40.84	SE GREEN VALLEY RD CONST CL
NW5	105956.64	1337518.21	177.83'	33+60.82	SE GREEN VALLEY RD CONST CL
NW6	105944.89	1337534.40	178.23'	33+80.80	SE GREEN VALLEY RD CONST CL
NW7	105932.81	1337556.59	178.90'	34+05.66	SE GREEN VALLEY RD CONST CL
NW8	105927.70	1337570.36	179.26'	34+19.60	SE GREEN VALLEY RD CONST CL
NW9	105924.19	1337589.98	179.60'	34+37.09	SE GREEN VALLEY RD CONST CL
SE7	105799.75	1337630.60	179.08'	35+46.04	SE GREEN VALLEY RD CONST CL
SE8	105795.86	1337648.82	178.89'	35+62.85	SE GREEN VALLEY RD CONST CL
SE9	105791.06	1337662.69	178.72'	35+76.75	SE GREEN VALLEY RD CONST CL
SE10	105782.04	1337680.97	178.56'	35+96.72	SE GREEN VALLEY RD CONST CL
SE11	105767.33	1337702.72	178.46'	36+22.93	SE GREEN VALLEY RD CONST CL
SE12	105756.88	1337717.61	178.41'	36+41.10	SE GREEN VALLEY RD CONST CL
SW1	105982.18	1337436.49	177.12'	32+80.79	SE GREEN VALLEY RD CONST CL
SW2	105969.06	1337451.58	177.24'	33+01.10	SE GREEN VALLEY RD CONST CL
SW3	105955.93	1337466.68	177.40'	33+21.09	SE GREEN VALLEY RD CONST CL
SW4	105942.81	1337481.77	177.59'	33+41.07	SE GREEN VALLEY RD CONST CL
SW5	105929.69	1337496.86	177.87'	33+61.06	SE GREEN VALLEY RD CONST CL
SW6	105916.52	1337511.91	178.17'	33+81.04	SE GREEN VALLEY RD CONST CL
SW7	105897.36	1337528.88	178.60'	34+06.27	SE GREEN VALLEY RD CONST CL
SW8	105885.28	1337536.64	178.88'	34+19.88	SE GREEN VALLEY RD CONST CL
SW9	105867.19	1337545.13	179.12'	34+37.83	SE GREEN VALLEY RD CONST CL

SPLITTER ISLAND CURBS							
POINT	NORTHING	EASTING	ELEV.	STATION	OFFSET	COMMENTS
C1	105886.39	1337578.07	179.85'	14+33.03	39.8' FT	218TH AVE SE CONST CL
C2	105898.28	1337593.90	180.11'	14+51.67	33.2' FT	218TH AVE SE CONST CL
C6	105859.93	1337649.23	180.09'	14+50.15	34.1' FT	218TH AVE SE CONST CL
C7	105840.94	1337643.66	179.91'	14+31.23	40.0' FT	218TH AVE SE CONST CL
C8	105826.94	1337629.67	179.67'	14+13.85	36.9' FT	218TH AVE SE CONST CL
C13	105876.69	1337572.32	179.74'	14+19.60	38.8' FT	218TH AVE SE CONST CL
C14	105878.56	1337587.82	180.38'	14+31.86	27.4' FT	218TH AVE SE CONST CL
C15	105888.46	1337604.69	180.66'	14+49.42	18.7' FT	218TH AVE SE CONST CL
C18	105849.52	1337634.08	180.44'	14+33.12	27.2' FT	218TH AVE SE CONST CL
C19	105836.00	1337619.94	180.13'	14+15.33	23.7' FT	218TH AVE SE CONST CL
C22	105867.12	1337582.37	180.17'	14+17.91	25.0' FT	218TH AVE SE CONST CL
E1	105770.14	1337727.02	178.71'	36+40.43	0.1' FT	SE GREEN VALLEY RD CONST CL
E2	105769.84	1337724.96	178.71'	36+38.99	1.6' FT	SE GREEN VALLEY RD CONST CL
E3	105782.22	1337707.51	178.81'	36+17.61	2.5' FT	SE GREEN VALLEY RD CONST CL
E4	105794.60	1337690.06	178.92'	35+96.23	3.3' FT	SE GREEN VALLEY RD CONST CL
E5	105798.43	1337684.40	178.99'	35+89.41	3.8' FT	SE GREEN VALLEY RD CONST CL
E6	105802.00	1337678.57	179.01'	35+82.61	4.5' FT	SE GREEN VALLEY RD CONST CL
E7	105803.48	1337678.28	179.04'	35+81.48	3.5' FT	SE GREEN VALLEY RD CONST CL
E8	105808.70	1337682.32	179.06'	35+81.48	3.1' FT	SE GREEN VALLEY RD CONST CL
E9	105808.80	1337683.81	179.03'	35+82.60	4.1' FT	SE GREEN VALLEY RD CONST CL
E10	105804.89	1337687.95	178.99'	35+88.27	3.5' FT	SE GREEN VALLEY RD CONST CL

SPLITTER ISLAND CURBS							
POINT	NORTHING	EASTING	ELEV.	STATION	OFFSET	COMMENTS
E11	105801.14	1337692.24	178.93'	35+93.95	3.2' FT	SE GREEN VALLEY RD CONST CL
E12	105786.68	1337709.52	178.82'	36+16.47	2.3' FT	SE GREEN VALLEY RD CONST CL
E13	105772.21	1337726.80	178.71'	36+38.99	1.4' FT	SE GREEN VALLEY RD CONST CL
E14	105807.95	1337669.09	179.11'	35+71.48	5.6' FT	SE GREEN VALLEY RD CONST CL
E15	105807.66	1337667.87	179.10'	35+70.69	6.6' FT	SE GREEN VALLEY RD CONST CL
E16	105813.01	1337655.25	179.23'	35+57.43	10.1' FT	SE GREEN VALLEY RD CONST CL
E17	105816.74	1337654.04	179.30'	35+54.19	7.9' FT	SE GREEN VALLEY RD CONST CL
E18	105831.20	1337663.67	179.42'	35+52.97	9.5' FT	SE GREEN VALLEY RD CONST CL
E19	105831.20	1337665.34	179.40'	35+54.29	10.5' FT	SE GREEN VALLEY RD CONST CL
E20	105817.64	1337675.58	179.16'	35+70.68	6.0' FT	SE GREEN VALLEY RD CONST CL
E21	105816.37	1337675.61	179.16'	35+71.48	5.0' FT	SE GREEN VALLEY RD CONST CL
W1	105954.68	1337493.18	177.92'	33+42.53	0.1' FT	SE GREEN VALLEY RD CONST CL
W2	105954.95	1337495.24	177.93'	33+43.97	1.6' FT	SE GREEN VALLEY RD CONST CL
W3	105942.26	1337512.43	178.24'	33+65.32	2.4' FT	SE GREEN VALLEY RD CONST CL
W4	105929.57	1337529.63	178.55'	33+86.67	3.3' FT	SE GREEN VALLEY RD CONST CL
W5	105925.63	1337535.23	178.79'	33+93.51	3.8' FT	SE GREEN VALLEY RD CONST CL
W6	105921.95	1337541.01	178.82'	34+00.32	4.5' FT	SE GREEN VALLEY RD CONST CL
W7	105920.47	1337541.27	178.85'	34+01.45	3.5' FT	SE GREEN VALLEY RD CONST CL
W8	105915.33	1337537.14	178.81'	34+01.45	3.1' FT	SE GREEN VALLEY RD CONST CL
W9	105915.25	1337535.64	178.77'	34+00.33	4.1' FT	SE GREEN VALLEY RD CONST CL
W10	105919.21	1337531.61	178.79'	33+94.70	3.5' FT	SE GREEN VALLEY RD CONST CL

SPLITTER ISLAND CURBS							
POINT	NORTHING	EASTING	ELEV.	STATION	OFFSET	COMMENTS
W11	105923.00	1337527.42	178.58'	33+89.06	3.2' FT	SE GREEN VALLEY RD CONST CL
W12	105937.81	1337510.39	178.25'	33+66.52	2.3' FT	SE GREEN VALLEY RD CONST CL
W13	105952.61	1337493.36	177.91'	33+43.97	1.4' FT	SE GREEN VALLEY RD CONST CL
W14	105915.83	1337550.37	179.05'	34+11.45	5.6' FT	SE GREEN VALLEY RD CONST CL
W15	105916.10	1337551.60	179.07'	34+12.24	6.6' FT	SE GREEN VALLEY RD CONST CL
W16	105910.40	1337564.40	179.36'	34+25.79	10.2' FT	SE GREEN VALLEY RD CONST CL
W17	105906.60	1337565.51	179.42'	34+29.03	7.9' FT	SE GREEN VALLEY RD CONST CL
W18	105892.57	1337555.30	179.30'	34+29.86	9.4' FT	SE GREEN VALLEY RD CONST CL
W19	105892.62	1337553.65	179.26'	34+28.54	10.4' FT	SE GREEN VALLEY RD CONST CL
W20	105906.27	1337543.71	178.98'	34+12.24	6.0' FT	SE GREEN VALLEY RD CONST CL
W21	105907.54	1337543.70	178.98'	34+11.45	5.0' FT	SE GREEN VALLEY RD CONST CL

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91
DATUM
N.G.V.D. 88

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DESIGNED:	C. KLINGELE	04/2026	
CHECKED:	J. LINDERS	04/2026	
SUPERVISOR:	A. MCMANUS	04/2026	

NUM.	REVISION	BY	DATE

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FED. AID No.

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

ALBERT MARIE MCMANUS
STATE OF WASHINGTON
24284
REGISTERED
PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

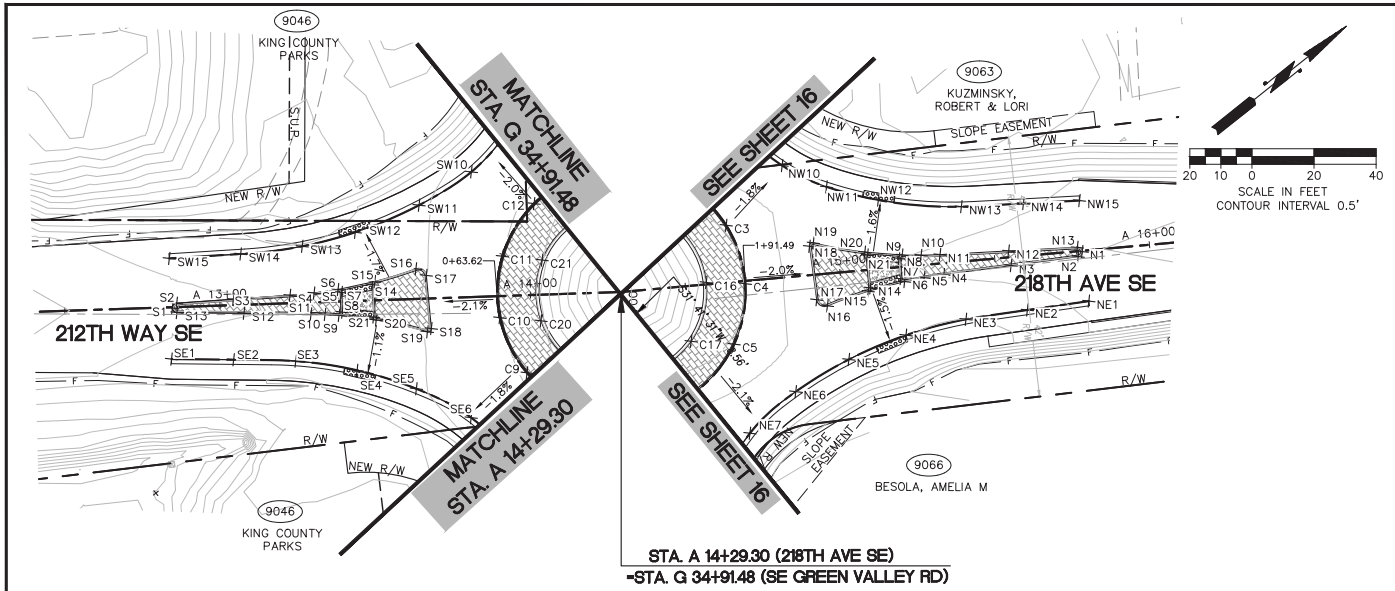
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

GRADING PLAN

King County

SHEET 16 OF 41 SHEETS

321-22 (16)



CURBLINES					
POINT	NORTHING	EASTING	ELEV.	STATION	COMMENTS
NE1	105977.25	1337705.33	180.14'	15+78.96	218TH AVE SE CONST CL
NE2	105959.98	1337695.23	179.72'	15+58.99	218TH AVE SE CONST CL
NE3	105942.65	1337685.25	179.50'	15+39.03	218TH AVE SE CONST CL
NE4	105924.35	1337677.22	179.53'	15+19.33	218TH AVE SE CONST CL
NE5	105905.10	1337671.88	179.73'	15+00.32	218TH AVE SE CONST CL
NE6	105885.28	1337669.33	179.80'	14+82.37	218TH AVE SE CONST CL
NE7	105865.40	1337670.62	179.69'	14+66.49	218TH AVE SE CONST CL
NW10	105927.19	1337609.66	179.75'	14+84.48	218TH AVE SE CONST CL
NW11	105934.09	1337623.94	179.74'	14+98.11	218TH AVE SE CONST CL
NW12	105944.49	1337637.65	179.64'	15+14.34	218TH AVE SE CONST CL
NW13	105964.08	1337655.97	179.69'	15+40.78	218TH AVE SE CONST CL
NW14	105980.33	1337667.63	179.92'	15+60.77	218TH AVE SE CONST CL
NW15	105995.06	1337678.13	180.14'	15+78.84	218TH AVE SE CONST CL
SE1	105734.59	1337535.92	178.85'	12+83.82	218TH AVE SE CONST CL
SE2	105750.10	1337548.54	178.70'	13+03.80	218TH AVE SE CONST CL
SE3	105765.46	1337561.35	178.61'	13+23.76	218TH AVE SE CONST CL
SE4	105779.08	1337575.97	178.70'	13+43.41	218TH AVE SE CONST CL
SE5	105790.30	1337592.50	178.95'	13+62.28	218TH AVE SE CONST CL
SE6	105798.31	1337610.76	179.11'	13+79.59	218TH AVE SE CONST CL
SW10	105847.65	1337548.92	179.14'	13+82.34	218TH AVE SE CONST CL
SW11	105827.80	1337546.82	178.93'	13+65.15	218TH AVE SE CONST CL
SW12	105806.29	1337540.83	178.59'	13+44.31	218TH AVE SE CONST CL
SW13	105790.14	1337533.74	178.51'	13+27.12	218TH AVE SE CONST CL
SW14	105773.09	1337523.32	178.64'	13+07.21	218TH AVE SE CONST CL
SW15	105754.21	1337510.12	178.87'	12+84.19	218TH AVE SE CONST CL

SPLITTER ISLAND CURBS						
POINT	NORTHING	EASTING	ELEV.	STATION	OFFSET	COMMENTS
C3	105901.12	1337613.49	180.22'	14+64.83	18.4' FT	218TH AVE SE CONST CL
C4	105894.22	1337632.04	180.26'	14+69.29	0.9' FT	218TH AVE SE CONST CL
C5	105879.27	1337645.01	180.21'	14+63.96	20.0' FT	218TH AVE SE CONST CL
C9	105821.37	1337610.68	179.53'	13+98.06	25.0' FT	218TH AVE SE CONST CL
C10	105825.58	1337591.34	179.48'	13+89.91	6.9' FT	218TH AVE SE CONST CL
C11	105838.55	1337576.39	179.48'	13+91.41	12.8' FT	218TH AVE SE CONST CL
C12	105857.10	1337569.49	179.56'	14+02.19	29.4' FT	218TH AVE SE CONST CL
C16	105884.63	1337623.87	180.75'	14+56.79	0.6' FT	218TH AVE SE CONST CL
C17	105869.02	1337635.66	180.68'	14+50.26	17.8' FT	218TH AVE SE CONST CL
C20	105835.31	1337600.39	179.98'	14+03.12	8.4' FT	218TH AVE SE CONST CL
C21	105847.78	1337585.33	179.99'	14+04.15	11.1' FT	218TH AVE SE CONST CL
N1	105985.52	1337691.51	180.43'	15+78.25	0.2' FT	218TH AVE SE CONST CL
N2	105983.49	1337691.98	180.42'	15+76.82	1.7' FT	218TH AVE SE CONST CL
N3	105964.77	1337680.77	180.23'	15+55.02	2.7' FT	218TH AVE SE CONST CL
N4	105946.05	1337669.56	180.03'	15+33.22	3.7' FT	218TH AVE SE CONST CL
N5	105940.47	1337666.38	180.00'	15+26.81	4.1' FT	218TH AVE SE CONST CL
N6	105934.76	1337663.44	179.93'	15+20.43	4.8' FT	218TH AVE SE CONST CL
N7	105934.37	1337661.99	179.96'	15+19.30	3.8' FT	218TH AVE SE CONST CL
N8	105938.00	1337656.49	179.99'	15+19.30	2.8' FT	218TH AVE SE CONST CL
N9	105939.48	1337656.28	179.97'	15+20.42	3.8' FT	218TH AVE SE CONST CL
N10	105944.21	1337660.13	180.03'	15+26.48	3.2' FT	218TH AVE SE CONST CL

SPLITTER ISLAND CURBS						
POINT	NORTHING	EASTING	ELEV.	STATION	OFFSET	COMMENTS
N11	105949.09	1337663.77	180.08'	15+32.57	2.8' FT	218TH AVE SE CONST CL
N12	105967.11	1337676.62	180.26'	15+54.69	2.0' FT	218TH AVE SE CONST CL
N13	105985.13	1337689.47	180.43'	15+76.80	1.2' FT	218TH AVE SE CONST CL
N14	105924.89	1337658.19	179.87'	15+09.30	5.8' FT	218TH AVE SE CONST CL
N15	105923.69	1337658.57	179.85'	15+08.51	6.8' FT	218TH AVE SE CONST CL
N16	105910.44	1337654.07	179.79'	14+94.97	10.3' FT	218TH AVE SE CONST CL
N17	105908.99	1337650.38	179.82'	14+91.73	8.1' FT	218TH AVE SE CONST CL
N18	105917.89	1337635.49	179.82'	14+90.95	9.3' FT	218TH AVE SE CONST CL
N19	105919.54	1337635.39	179.80'	14+92.27	10.2' FT	218TH AVE SE CONST CL
N20	105930.63	1337648.06	179.87'	15+08.51	5.8' FT	218TH AVE SE CONST CL
N21	105930.76	1337649.31	179.89'	15+09.30	4.8' FT	218TH AVE SE CONST CL
S1	105745.05	1337523.23	179.14'	12+84.65	0.3' FT	218TH AVE SE CONST CL
S2	105747.10	1337522.90	179.15'	12+86.09	1.2' FT	218TH AVE SE CONST CL
S3	105762.16	1337533.26	179.04'	13+04.37	1.9' FT	218TH AVE SE CONST CL
S4	105777.22	1337543.63	178.94'	13+22.64	2.5' FT	218TH AVE SE CONST CL
S5	105783.75	1337547.89	178.99'	13+30.42	3.0' FT	218TH AVE SE CONST CL
S6	105790.49	1337551.80	178.90'	13+38.16	3.9' FT	218TH AVE SE CONST CL
S7	105790.81	1337553.27	178.93'	13+39.30	2.9' FT	218TH AVE SE CONST CL
S8	105787.03	1337558.36	178.94'	13+39.30	3.4' FT	218TH AVE SE CONST CL
S9	105785.54	1337558.50	178.92'	13+38.19	4.4' FT	218TH AVE SE CONST CL
S10	105782.20	1337555.46	178.93'	13+33.70	4.0' FT	218TH AVE SE CONST CL

SPLITTER ISLAND CURBS						
POINT	NORTHING	EASTING	ELEV.	STATION	OFFSET	COMMENTS
S11	105778.77	1337552.53	178.94'	13+29.19	3.7' FT	218TH AVE SE CONST CL
S12	105762.04	1337538.91	179.03'	13+07.64	2.7' FT	218TH AVE SE CONST CL
S13	105745.30	1337525.29	179.14'	12+86.08	1.8' FT	218TH AVE SE CONST CL
S14	105800.14	1337557.49	178.91'	13+49.30	5.1' FT	218TH AVE SE CONST CL
S15	105801.35	1337557.17	178.90'	13+50.08	6.1' FT	218TH AVE SE CONST CL
S16	105814.24	1337562.22	178.96'	13+63.45	9.7' FT	218TH AVE SE CONST CL
S17	105815.53	1337565.95	179.00'	13+66.71	7.5' FT	218TH AVE SE CONST CL
S18	105806.16	1337580.35	179.03'	13+67.76	9.7' FT	218TH AVE SE CONST CL
S19	105804.50	1337580.37	179.01'	13+66.45	10.7' FT	218TH AVE SE CONST CL
S20	105793.98	1337567.13	178.93'	13+50.10	6.3' FT	218TH AVE SE CONST CL
S21	105793.92	1337565.86	178.94'	13+49.30	5.4' FT	218TH AVE SE CONST CL

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91
DATUM
N.G.V.D. 88

811
Know what's below.
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SURVEY JOB NO: 22014	04/2022		
CHECKED: T. CRAY	04/2022		
CAD ENTERED: C. KLINGELE	04/2026		
DESIGNED: C. KLINGELE	04/2026		
CHECKED: J. LINDERS	04/2026		
SUPERVISOR: A. MCMANUS	04/2026		
		NUM. REVISION	BY DATE

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04/2026

FED. AID No.

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

ALBERT MARIE MCMANUS
STATE OF WASHINGTON
24284
REGISTERED
PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

GRADING PLAN 2

King County

SHEET 17 OF 41 SHEETS

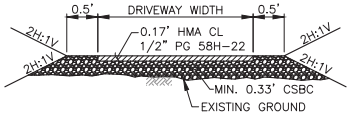
321-22 (17)

DRIVEWAY NOTES

DWY./ST. DESIGN	STATION	L.F.	C.Y.	TON	TON					REMARKS
		WIDTH	ROADWAY EXCAVATION INCL. HAUL	CRUSHED SURFACING BASE COURSE	HMA CL. 1/2 In 58H-22					
	SE GREEN VALLEY RD									
DWY-1	G 33+64, LT.	24	14	21	5					PAVE WITH HMA TO R/W, 27.3' L
DWY-2	G 36+98, LT.	12	5	7	3					PAVE WITH HMA TO R/W, 33.5' L
	TOTAL		19	28	8					

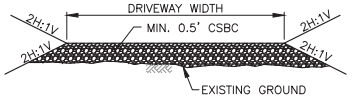
GENERAL NOTES

1. ALL STATIONS FOR CONSTRUCTION OF DRIVEWAYS ARE MEASURED FROM THE CONSTRUCTION CENTERLINE (TYP.)
2. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WHICH AFFECT ACCESS WITH BUSINESS AND PROPERTY OWNERS.
3. FOR DRIVEWAY PLAN AND SECTION, SEE DETAIL THIS SHEET AND PER KCRDCS FIG. 3-004 AND 3-007.
4. DRIVEWAYS SHALL BE PAVED WITH HMA UP TO THE R/W LINE. BEYOND R/W SHALL BE ORIGINAL SURFACE, UNLESS OTHERWISE NOTED.



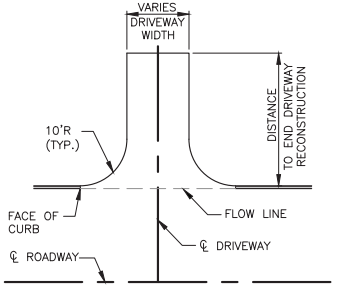
HMA DRIVEWAY SECTION

N.T.S.



GRAVEL DRIVEWAY SECTION

N.T.S.



TYPICAL DRIVEWAY PLAN

N.T.S.

811

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SURVEY JOB NO:	22014	04/2022
CHECKED:	T. CRAY	04/2022
CAD ENTERED:	C. KLINGELE	04/2026
DESIGNED:	C. KLINGELE	04/2026
CHECKED:	J. LINDERS	04/2026
SUPERVISOR:	A. MCMANUS	04/2026

NUM.	REVISION	BY	DATE

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04/2026

FED. AID No.

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

ALBERT MARIE ACHARDS
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

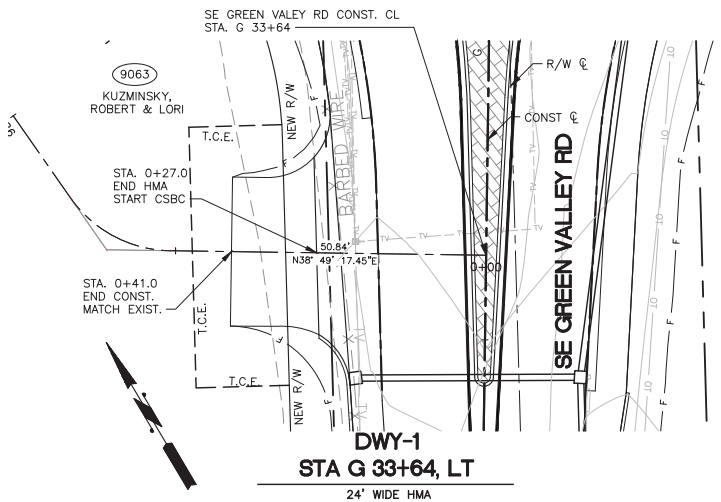
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

DRIVEWAY NOTES & DETAILS

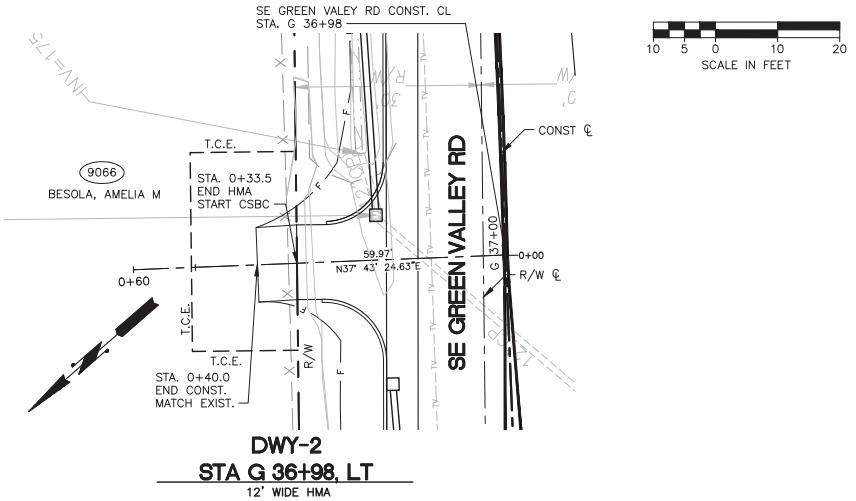
King County

SHEET 18 OF 41 SHEETS

321-22(18)

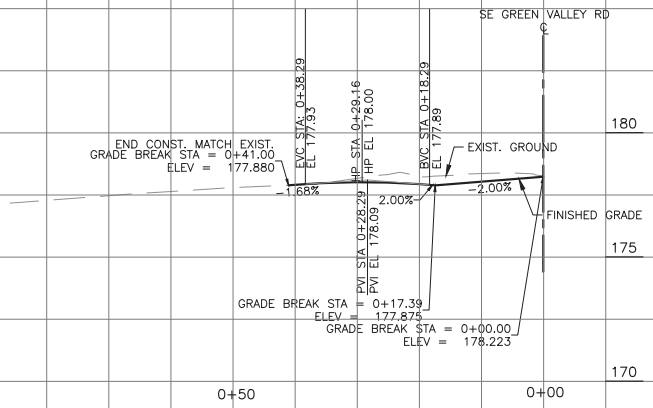


DWY-1
STA G 33+64, LT
24' WIDE HMA

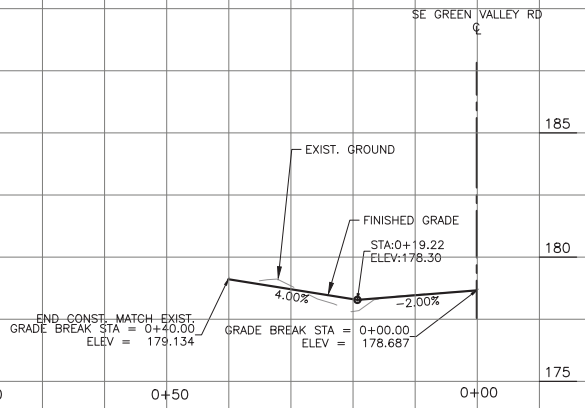


DWY-2
STA G 36+98, LT
12' WIDE HMA

NOTE: PROFILES DISPLAY VERTICAL EXAGGERATION OF 4V:1H.



DWY-1
STA G 33+64, LT
24' WIDE HMA



DWY-2
STA G 36+98, LT
12' WIDE HMA

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91
DATUM
N.G.V.D. 88

811
Know what's below.
Call before you dig.

SURVEY JOB NO:	22014	04/2022			
CHECKED:	T. CRAY	04/2022			
CAD ENTERED:	C. KLINGELE	04/2026			
DESIGNED:	C. KLINGELE	04/2026			
CHECKED:	J. LINDERS	04/2026			
SUPERVISOR:	A. MCMANUS	04/2026			

NUM.	REVISION	BY	DATE

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04/2026

FED. AID No.
PROJECT No. 1139145
MAINTENANCE DIVISION No. 4

ALBERT MARIE MCMANUS
STATE OF WASHINGTON
24284
REGISTERED
PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

DRIVEWAY PROFILES

King County

SHEET 19 OF 41 SHEETS

321-22 (19)

STRUCTURE NOTES

NOTE

THE FIRST NUMBER OF CODE DESIGNATION REFERS TO THE SHEET NUMBER OF THE CONTRACT PLANS. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THE PARTICULAR SHEET.

CODE DESIG.	STATION	REMOVAL OF STRUCTURE AND OBSTRUCTION	SCHEDULE A CULV. PIPE 12" DIAM.	SCHEDULE A CULV PIPE 18" DIAM.	CONCRETE INLET	CATCH BASIN TYPE 1	CATCH BASIN TYPE 1L	CATCH BASIN TYPE 2 48 IN. DIAM	STRUCTURE EXCAVATION CLASS B INCL. HAUL	SHORING OR EXTRA EXCAVATION CLASS B	BANK RUN GRAVEL FOR TRENCH BACKFILL	CONNECTION TO DRAINAGE STRUCTURE	FLARED END SECTION 12IN. DIAM.	FLARED END SECTION 18IN. DIAM.	LOCKING SOLID METAL COVER AND FRAME FOR CATCH BASIN	PLUGGING EXISTING PIPE	CODE DESIG.	CODE DESIGN.
		L.S.	L.F.	L.F.	EA.	EA.	EA.	C.Y.	C.Y.	S.F.	C.Y.	EA.	EA.	EA.	EA.	EA.		
21-17	34+14.23		48					1	8	222	4							
21-18	34+13.96		49					1	10	287	6		1					
21-19	32+10.65		72			1			41	319	18							
21-20	32+19.74		64			1			10	281	5							
21-21	32+82.92		33			1			5	155	2							
21-22	32+82.70		62			1			12	324	6							
21-23	33+44.20		70					1	17	446	10							
21-24	33+43.56		36			1			7	200	4							
22-1	36+77.94		59		1				10	255	4							
22-2	36+18.99		51			1			10	256	5							
22-3	35+68.78		48				1		10	264	5							
22-4	36+58.95		20		1				3	90	2							
22-5	36+38.93		70				1		13	350	7							
22-6	35+69.48		75					1	20	530	13							
22-30	37+74.03												1					
22-31	37+05.23	1	68					1	9	230	1	1			1			
23-7	13+23.97		29			1			4	102	1							
23-8	13+51.79		47					1	13	344	8							
23-9	13+28.40		24			1			4	108	2							
23-10	13+51.92		81					1	18	507	11		1					
24-11	15+80.19		49		1				8	219	4							
24-12	15+31.75		26			1			4	116	2							
24-13	15+06.51		48				1		9	228	4							
24-14	15+80.02		58		1				9	254	4							
24-15	15+22.21		16			1			3	71	1							
24-16	15+06.38		69					1	12	331	6							
24-32	15+21.35			94					9	255	4	1		1		1		
	GRAND TOTAL	1	1272	94	4	10	3	8	278	6744	139	2	3	1	1	1		

811. Know what's below. Call before you dig.

SURVEY JOB NO:	22014	04/2022
CHECKED:	T. CRAY	04/2022
CAD ENTERED:	C. BOWMAN	04/2026
DESIGNED:	C. BOWMAN	04/2026
CHECKED:	M. COTE	04/2026
SUPERVISOR:	M. COTE	04/2026

NUM.	REVISION	BY	DATE

AECOM
1111 THIRD AVENUE, SUITE 1600
SEATTLE, WASHINGTON 98101
PHONE: (206) 438-2700
FAX: (866) 495-5288

FED. AID No. ______

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

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KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

STRUCTURE NOTES

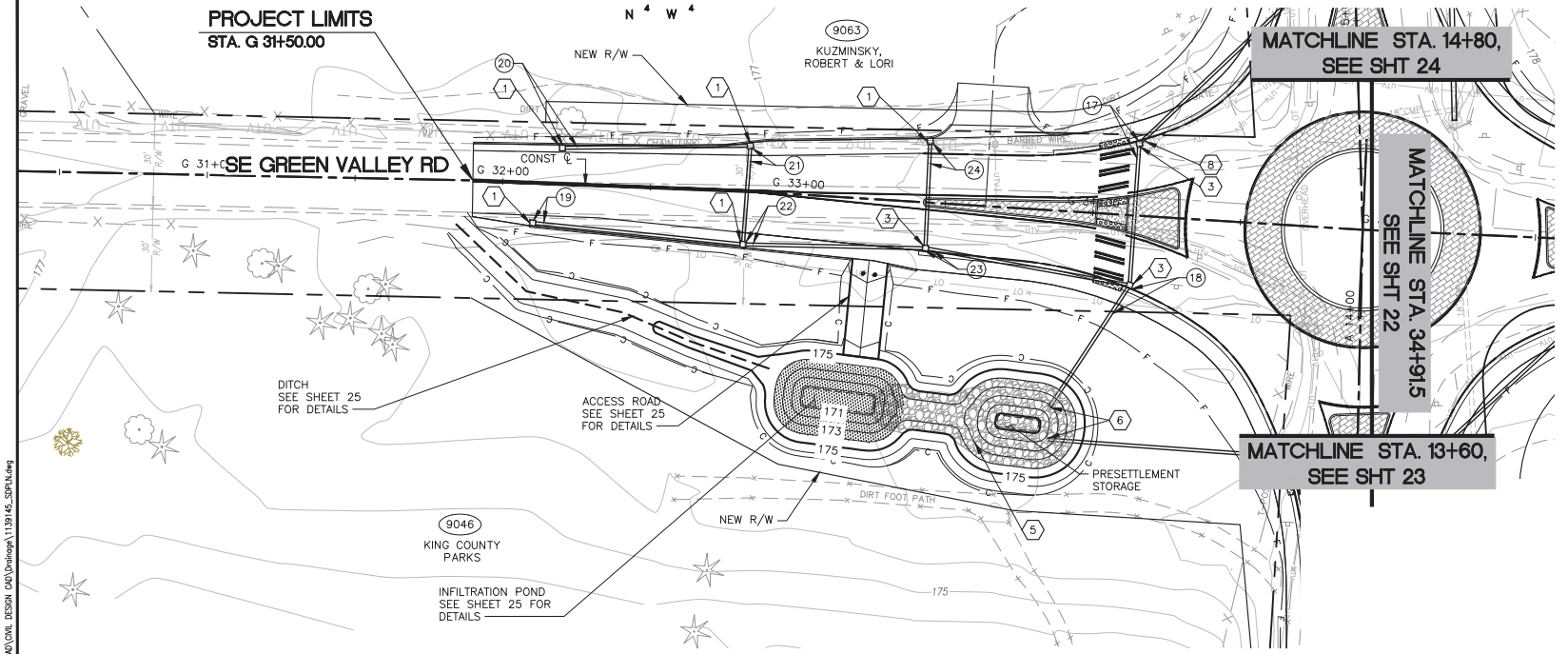
King County

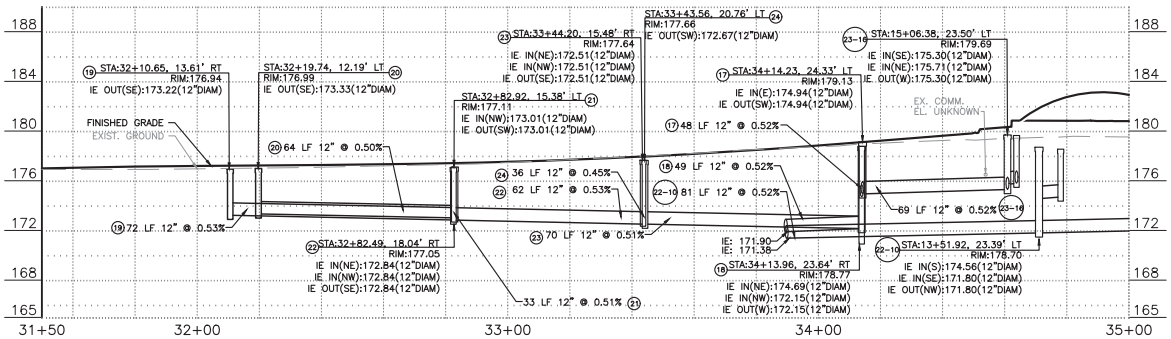
SHEET 20 OF 42 SHEETS

321-22 (20)

Mar. 24, 26 - 11:23 AM cklingele g:\1139145-se green valley rd & 218th ave se int\development-design work\CAD\design cad\civil design cad\Miscellaneous\1139145_STRUC.dwg

SEC. 28, T.21 N., R.6 E., W.M.





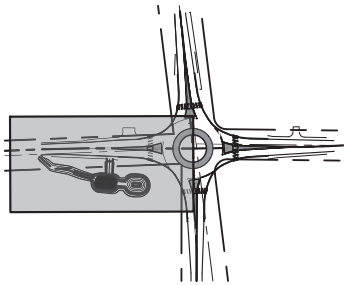
GENERAL NOTES

1. OFFSET FOR DRAINAGE STRUCTURES ARE MEASURED AT CENTER OF STRUCTURE.
2. ALL STRUCTURES WILL BE VANED GRATES UNLESS NOTED OTHERWISE

CONSTRUCTION NOTES

1. INSTALL CATCH BASIN TYPE 1 PER WSDOT STD. B–5.20
2. INSTALL CATCH BASIN TYPE 1L PER WSDOT STD. B–5.40
3. INSTALL CATCH BASIN TYPE 2 PER WSDOT STD. B–10.20
4. INSTALL CONCRETE INLET PER WSDOT STD. B–25.60
5. QUARRY SPALLS PER WSDOT STD. 9–13.1(5)
6. FLARED END SECTION 12 IN. DIAM. PER KING COUNTY BEVELED END SECTION
8. RELOCATE EXISTING UTILITIES

(#–#) DESIGNATED STRUCTURE NOTE SHEET NUMBER WITH STRUCTURE NUMBER. SEE STRUCTURE NOTES SHEET 20.



KEY MAP

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91
DATUM
N.G.V.D. 88

20 10 0 20 40
SCALE IN FEET

811
Know what's below.
Call before you dig.

SURVEY JOB NO:	22014	04/2022					
CHECKED:	T. CRAY	04/2022					
CAD ENTERED:	C. BOWMAN	04/2026					
DESIGNED:	C. BOWMAN	04/2026					
CHECKED:	M. COTE	04/2026					
SUPERVISOR:	M. COTE	04/2026					
			NUM.	REVISION	BY	DATE	

AECOM
1111 THIRD AVENUE, SUITE 1600
SEATTLE, WASHINGTON 98101
PHONE: (206) 438-2700
FAX: (866) 495-5288

FED. AID No.

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

SE GREEN VALLEY RD DRAINAGE PLAN AND PROFILE

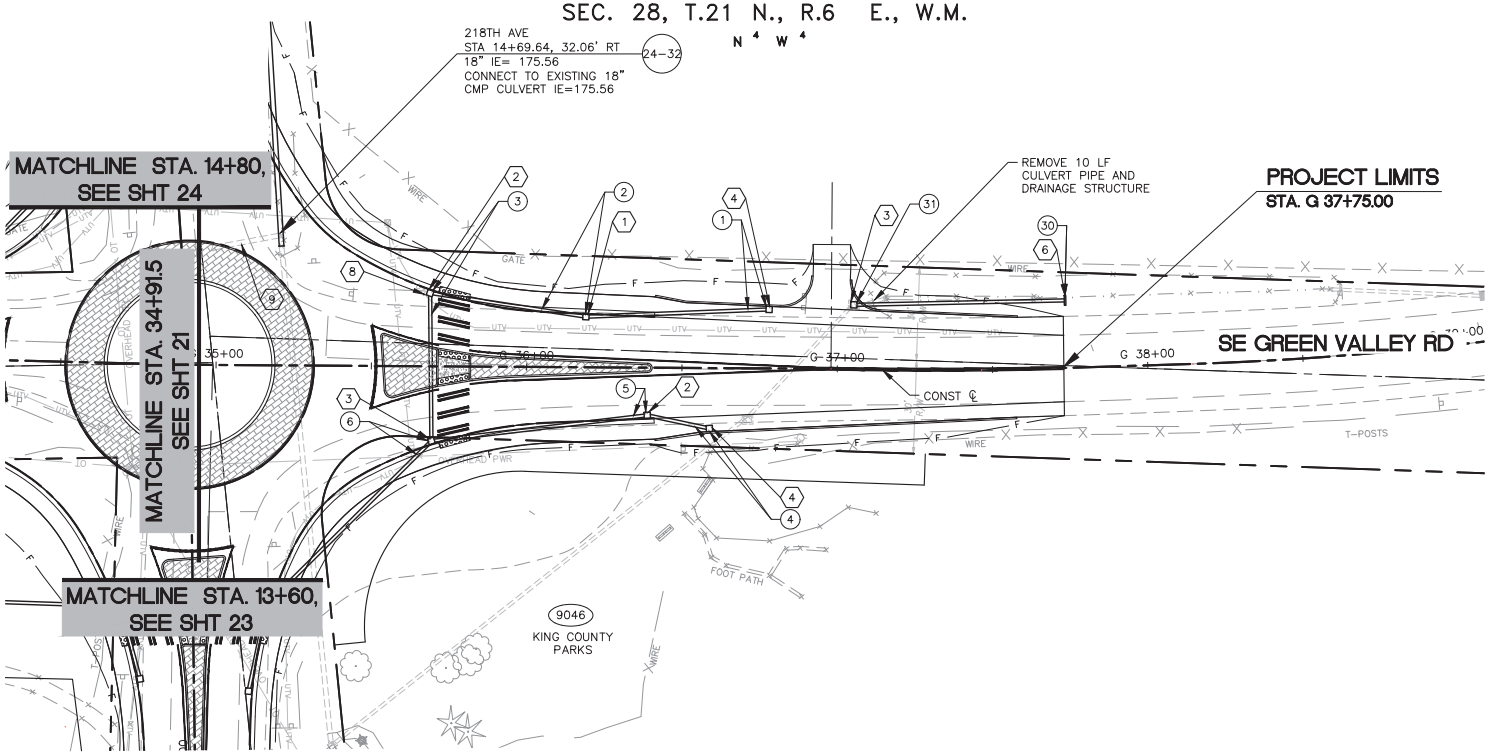
King County

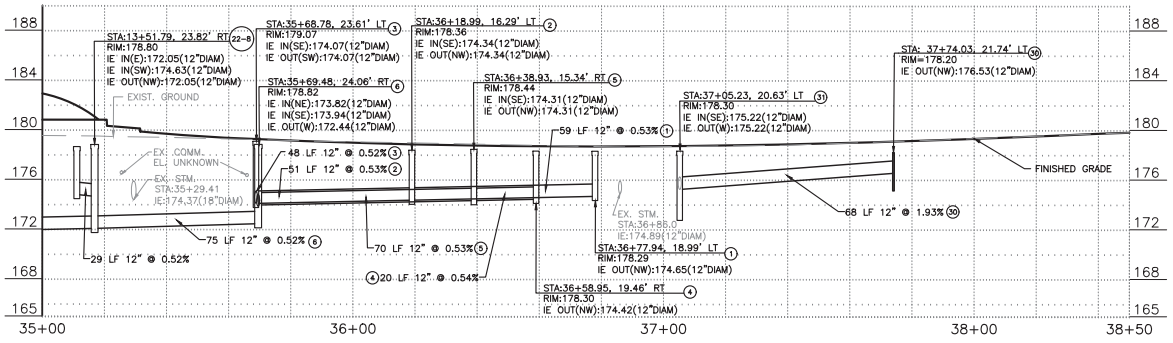
SHEET 21 OF 42 SHEETS

321-22 (21)

Mar. 24, 26 – 11:22 AM dlangale C:\1139145-SE Green Valley Rd & 218th Ave SE Int\Development-Design Work\CAD\DESIGN CAD\CIVIL DESIGN CAD\Drainage\1139145_SDP1A.dwg

SEC. 28, T.21 N., R.6 E., W.M.





GENERAL NOTES

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2. ALL STRUCTURES WILL BE VANED GRATES UNLESS NOTED OTHERWISE

CONSTRUCTION NOTES

(1) INSTALL CATCH BASIN TYPE 1 PER WSDOT STD. B-5.20

(2) INSTALL CATCH BASIN TYPE 1L PER WSDOT STD. B-5.40

(3) INSTALL CATCH BASIN TYPE 2 PER WSDOT STD. B-10.20

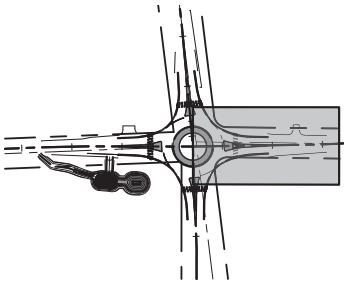
(4) INSTALL CONCRETE INLET PER WSDOT STD. B-25.60

(6) FLARED END SECTION 12 IN. DIAM. PER KING COUNTY BEVELED END SECTION

(8) RELOCATE EXISTING UTILITIES

(9) PLUG EXISTING PIPE

(#-#) DESIGNATED STRUCTURE NOTE SHEET NUMBER WITH STRUCTURE NUMBER. SEE STRUCTURE NOTES SHEET 20.



KEY MAP

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91
DATUM
N.G.V.D. 88

20 10 0 20 40
SCALE IN FEET

811
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CHECKED:	T. CRAY	04/2022					
CAD ENTERED:	C. BOWMAN	04/2026					
DESIGNED:	C. BOWMAN	04/2026					
CHECKED:	M. COTE	04/2026					
SUPERVISOR:	M. COTE	04/2026					
			NUM.	REVISION	BY	DATE	

AECOM
1111 THIRD AVENUE, SUITE 1600
SEATTLE, WASHINGTON 98101
PHONES (206) 438-2700
FAX (866) 495-5288

FED. AID No.

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

SE GREEN VALLEY RD DRAINAGE PLAN AND PROFILE

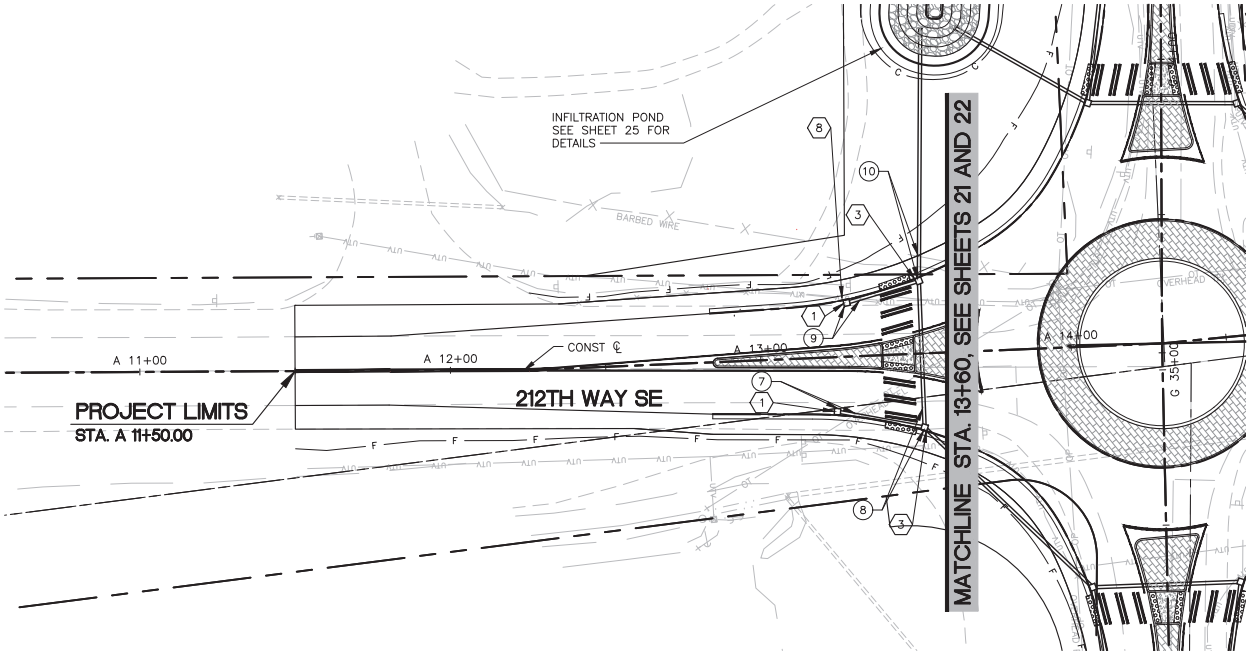
King County

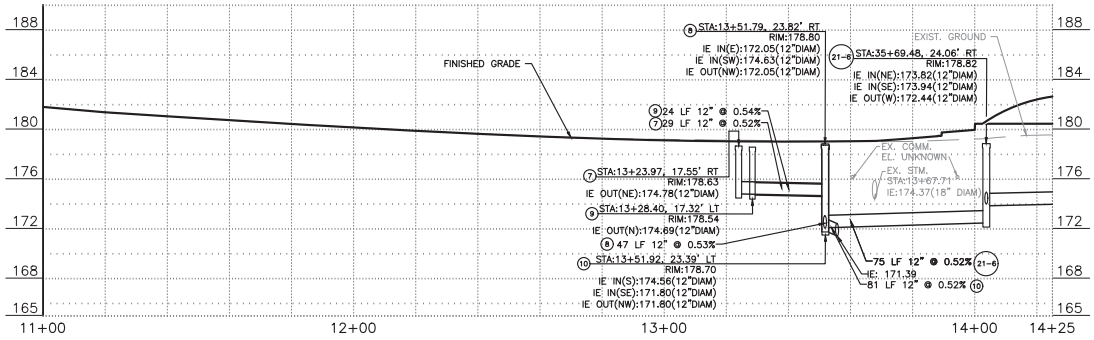
SHEET 22 OF 42 SHEETS

321-22 (22)

SEC. 28, T.21 N., R.6 E., W.M.

N 4 W 4





GENERAL NOTES

1. OFFSET FOR DRAINAGE STRUCTURES ARE MEASURED AT CENTER OF STRUCTURE.
2. ALL STRUCTURES WILL BE VANED GRATES UNLESS NOTED OTHERWISE

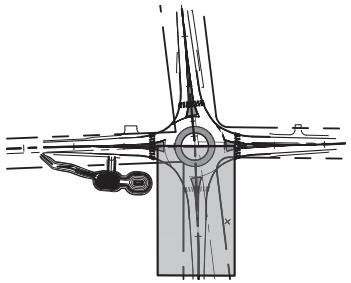
CONSTRUCTION NOTES

(1) INSTALL CATCH BASIN TYPE 1 PER WSDOT STD. B–5.20

(3) INSTALL CATCH BASIN TYPE 2 PER WSDOT STD. B–10.20

(8) RELOCATE EXISTING UTILITIES

(#–#) DESIGNATED STRUCTURE NOTE SHEET NUMBER WITH STRUCTURE NUMBER. SEE STRUCTURE NOTES SHEET 20.



KEY MAP

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91

DATUM

N.G.V.D. 88

20 10 0 20 40
SCALE IN FEET

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CHECKED: T. CRAY	04/2022					PROJECT No. 1139145	SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT
CAD ENTERED: C. BOWMAN	04/2026					MAINTENANCE DIVISION No. 4	SE GREEN VALLEY RD DRAINAGE PLAN AND PROFILE
DESIGNED: C. BOWMAN	04/2026						King County
CHECKED: M. COTE	04/2026						SHEET 23 OF 42 SHEETS
SUPERVISOR: M. COTE	04/2026						321-22 (23)
		NUM.	REVISION	BY	DATE		

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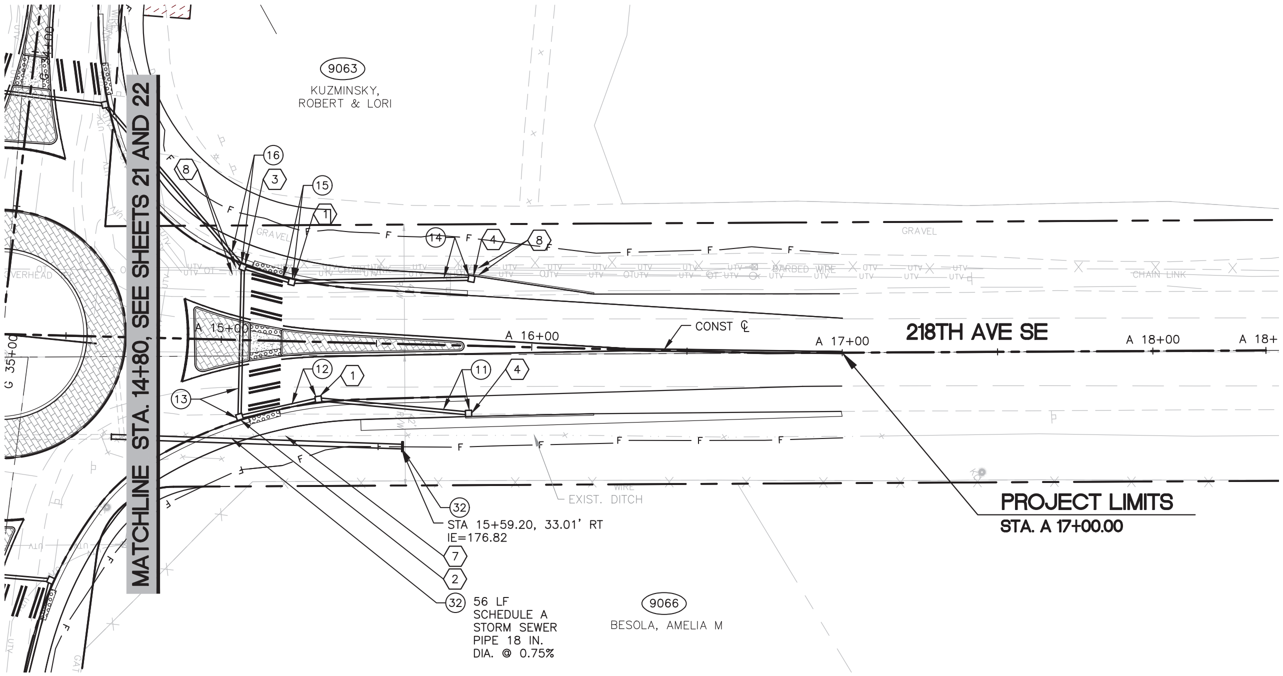

GENERAL NOTES

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2. ALL STRUCTURES WILL BE VANED GRATES UNLESS NOTED OTHERWISE

CONSTRUCTION NOTES

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2. INSTALL CATCH BASIN TYPE 1L PER WSDOT STD. B-5.40
3. INSTALL CATCH BASIN TYPE 2 PER WSDOT STD. B-10.20
4. INSTALL CONCRETE INLET PER WSDOT STD. B-25.60
7. FLARED END SECTION 18 IN. DIAM. PER KING COUNTY BEVELED END SECTION
8. RELOCATE EXISTING UTILITIES

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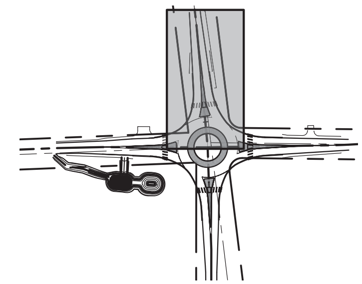
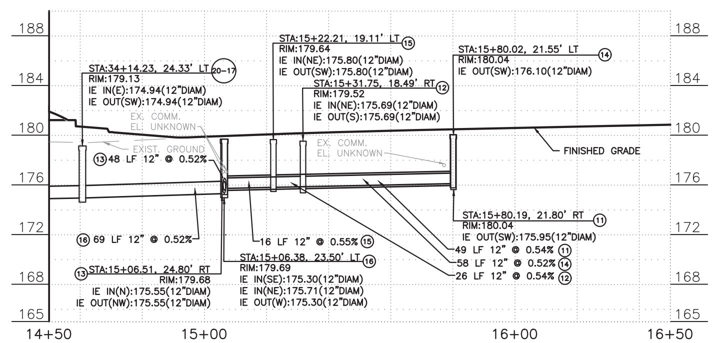
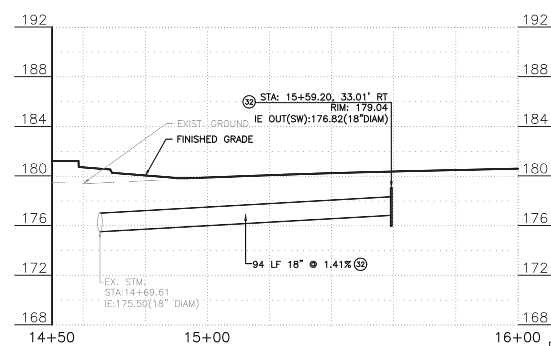
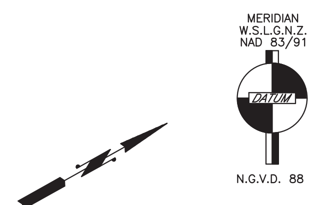
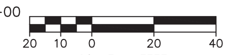


KEY MAP









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SURVEY JOB NO:	22014	04/2022	
CHECKED:	T. CRAY	04/2022	
CAD ENTERED:	C. BOWMAN	04/2026	
DESIGNED:	C. BOWMAN	04/2026	
CHECKED:	M. COTE	04/2026	
SUPERVISOR:	M. COTE	04/2026	

NUM.	REVISION	BY	DATE

AECOM
1111 THIRD AVENUE, SUITE 1600
SEATTLE, WASHINGTON 98101
PHONE: (206) 438-2700
FAX: (866) 495-5288

FED. AID No. ______
PROJECT No. 1139145
MAINTENANCE DIVISION No. 4

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

SE GREEN VALLEY RD DRAINAGE PLAN AND PROFILE

King County

SHEET 24 OF 42 SHEETS

321-22 (24)

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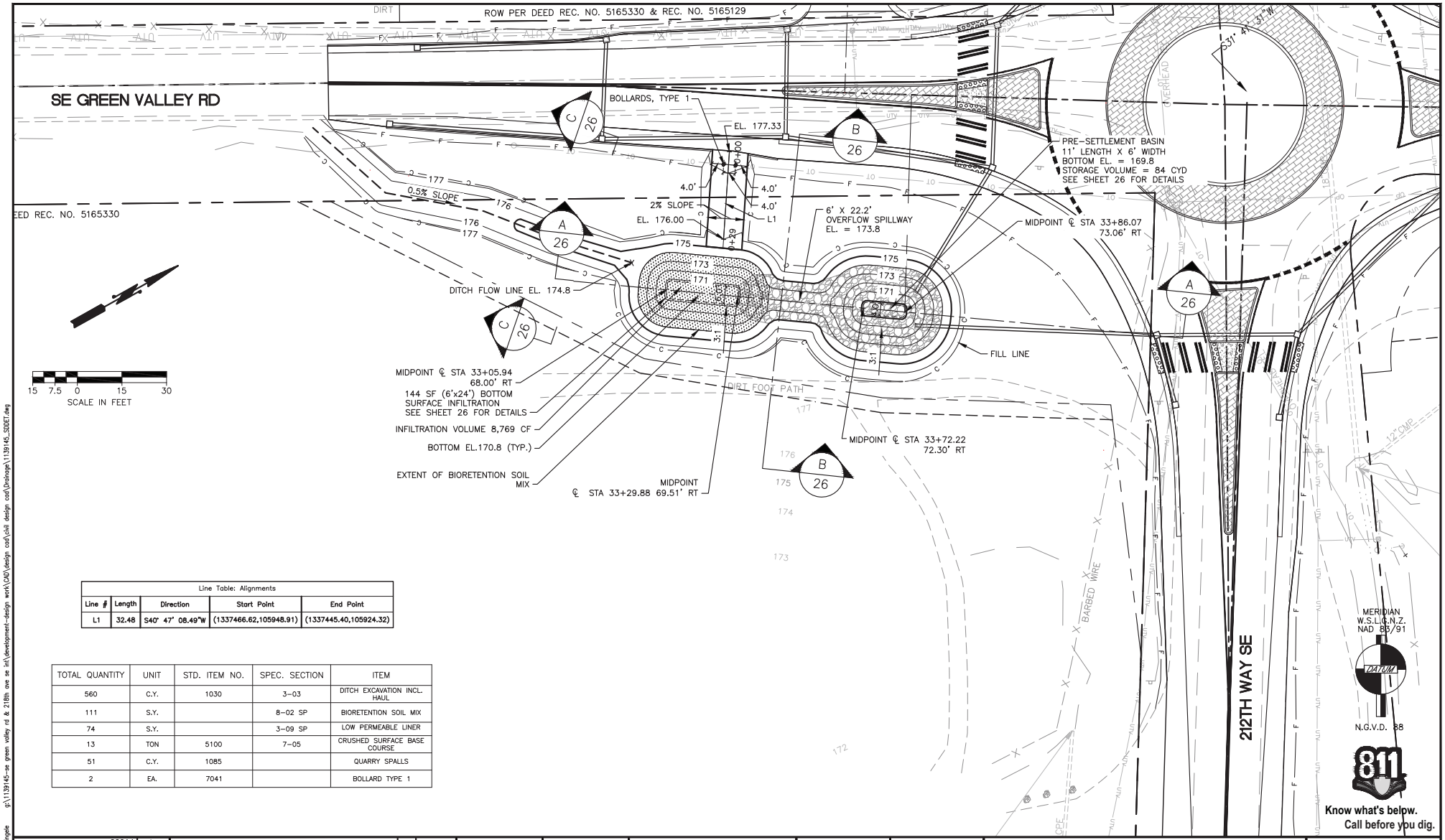

Line Table: Alignments				
Line #	Length	Direction	Start Point	End Point
L1	32.48	S40° 47' 08.49"W	(1337466.62,105948.91)	(1337445.40,105924.32)

TOTAL QUANTITY	UNIT	STD. ITEM NO.	SPEC. SECTION	ITEM
560	C.Y.	1030	3-03	DITCH EXCAVATION INCL. HAUL
111	S.Y.		8-02 SP	BIORETENTION SOIL MIX
74	S.Y.		3-09 SP	LOW PERMEABLE LINER
13	TON	5100	7-05	CRUSHED SURFACE BASE COURSE
51	C.Y.	1085		QUARRY SPALLS
2	EA.	7041		BOLLARD TYPE 1

SURVEY JOB NO: 22014	04/2022				
CHECKED: T. CRAY	04/2022				
CAD ENTERED: C. BOWMAN	04/2026				
DESIGNED: C. BOWMAN	04/2026				
CHECKED: M. COTE	04/2026				
SUPERVISOR: M. COTE	04/2026				
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FAX: (866) 495-5288

FED. AID No.

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

STORM DRAINAGE DETAILS

King County

SHEET 25 OF 42 SHEETS

321-22 (25)

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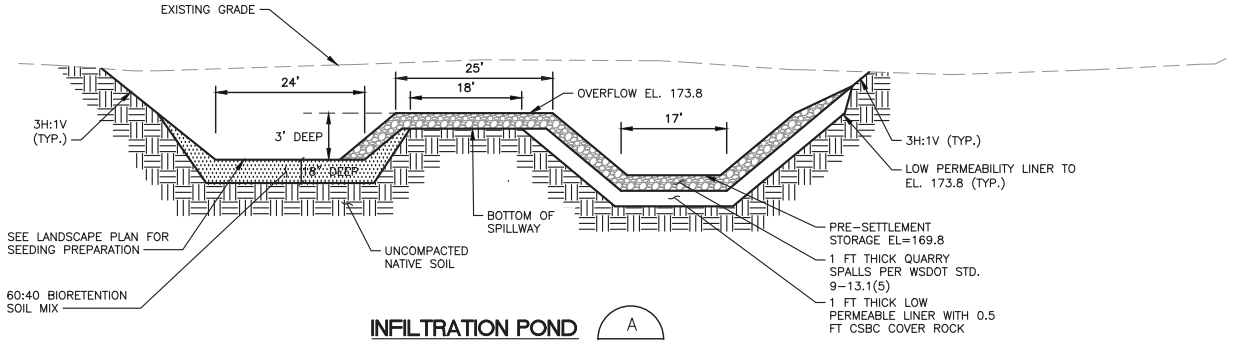
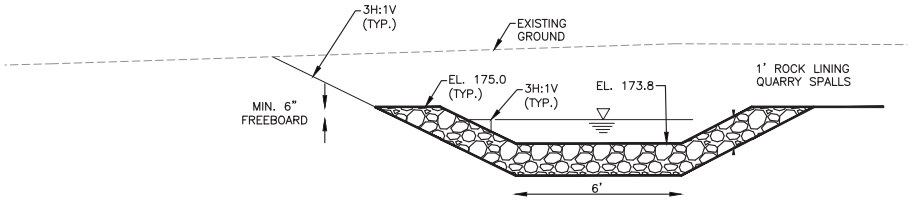


INFILTRATION POND

HORIZ. 1"=10', VERT. 1" = 4'

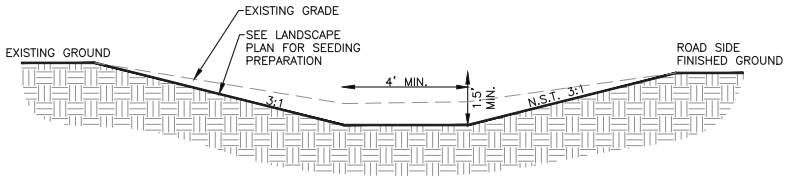
A / 25



OVERFLOW SPILLWAY

N.T.S.

B / 25



NOTE: N.S.T. = NOT STEEPER THAN

DITCH

N.T.S.

C / 25

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91

DATUM

N.G.V.D. 88

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CHECKED: T. CRAY	04/2022									
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DESIGNED: C. BOWMAN	04/2026									
CHECKED: M. COTE	04/2026									
SUPERVISOR: M. COTE	04/2026									
		NUM.	REVISION	BY	DATE		FED. AID No.			321-22 (26)
							PROJECT No. 1139145			
							MAINTENANCE DIVISION No. 4			

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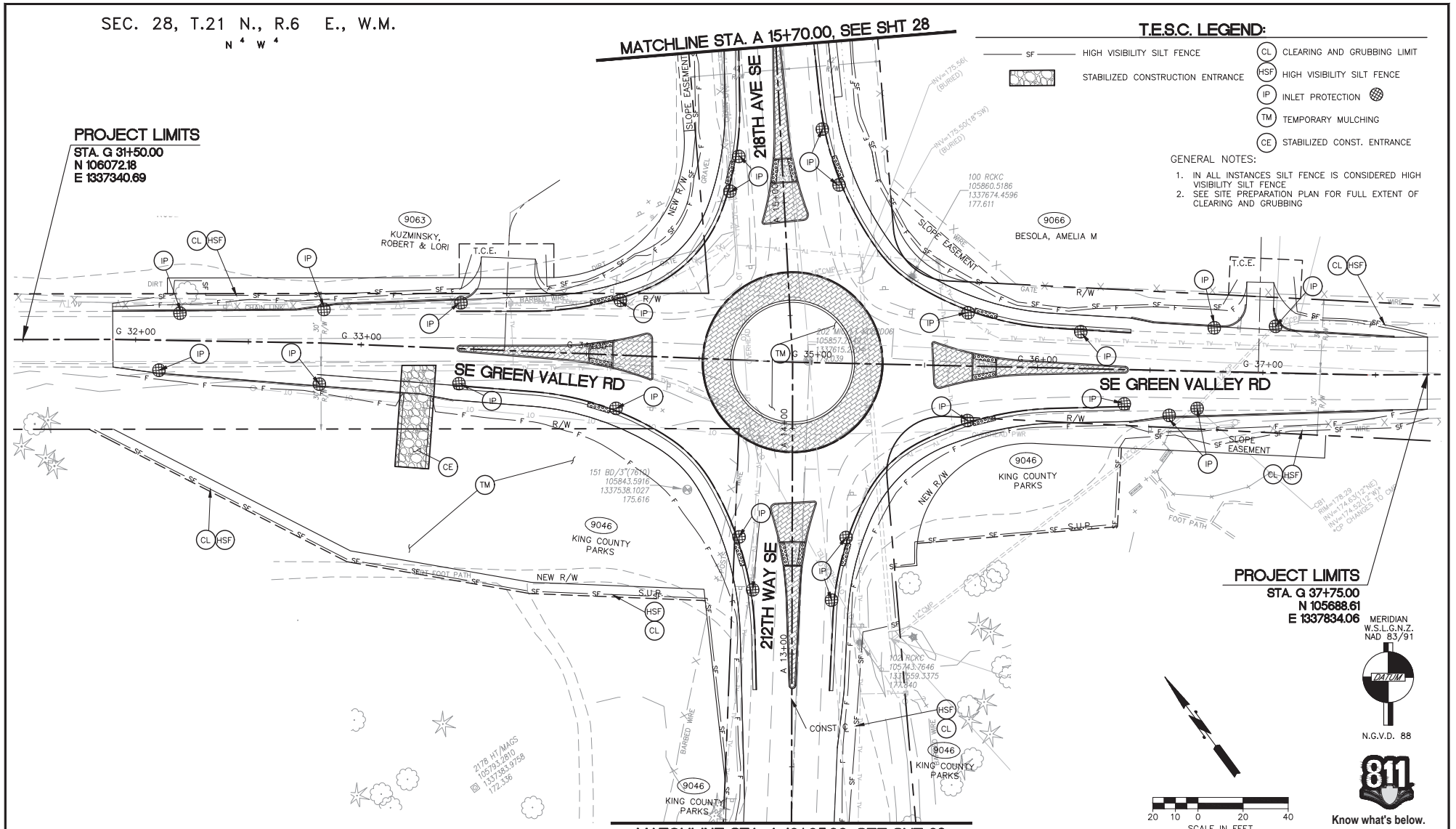

SURVEY JOB NO: 22014	04/2022				100% DESIGN PROGRESS COPY 04/2026	FED. AID No.	KING COUNTY DEPT. OF LOCAL SERVICES LEON RICHARDSON, DIRECTOR	SHEET 27 OF 41 SHEETS
CHECKED: T. CRAY	04/2022					PROJECT No. 1139145	SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT	King County
CAD ENTERED: J. WOHLERS	04/2026					MAINTENANCE DIVISION No. 4	TEMPORARY EROSION AND SEDIMENT CONTROL (T.E.S.C) PLAN 1	321-22 (27)
DESIGNED: J. WOHLERS	04/2026							
CHECKED: J. KLEINKOPF	04/2026							
SUPERVISOR: A. MCMANUS	04/2026							
		NUM.	REVISION	BY	DATE			

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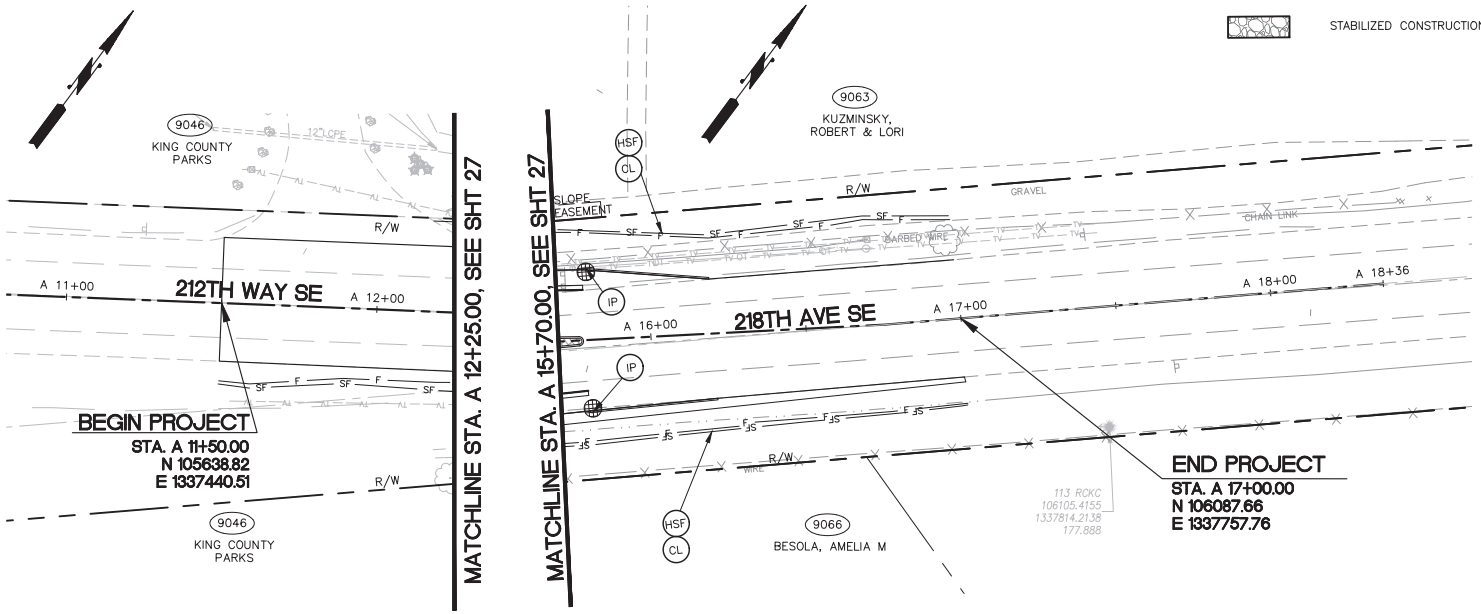
N 4 W 4



T.E.S.C. LEGEND:

- SF — HIGH VISIBILITY SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- (CL) CLEARING AND GRUBBING LIMIT
- (HSF) HIGH VISIBILITY SILT FENCE
- (IP) INLET PROTECTION
- (TM) TEMPORARY MULCHING
- (CE) STABILIZED CONST. ENTRANCE

GENERAL NOTES:

1. IN ALL INSTANCES SILT FENCE IS CONSIDERED HIGH VISIBILITY SILT FENCE

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91

DATUM

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CAD ENTERED: J. WOHLERS	04/2026					MAINTENANCE DIVISION No. 4	
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KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

TEMPORARY EROSION AND SEDIMENT CONTROL (T.E.S.C) PLAN 2

King County

SHEET 28 OF 41 SHEETS

321-22 (28)

STORMWATER POLLUTION PREVENTION PLAN REQUIREMENTS:

TO PREVENT THE DISCHARGE OF POLLUTANTS RESULTING FROM CONSTRUCTION ACTIVITIES THE FOLLOWING POLLUTION CONTROL MEASURES SHALL BE IMPLEMENTED AS APPLICABLE USING ACTIVITY-SPECIFIC BMPS DETAILED IN THE KING COUNTY SWDM APPENDIX D (CSWPP STANDARDS) AND THE KING COUNTY STORMWATER POLLUTION PREVENTION MANUAL (SPPM) MEETING THE REQUIREMENTS OF THE CONSTRUCTION STORMWATER GENERAL PERMIT (CSWGP) AND SECTION 8-01.

1. ALL POLLUTANTS, INCLUDING WASTE MATERIALS, THAT OCCUR ONSITE SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER.
2. COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM SHALL BE PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON THE SITE (SEE CHAPTER 173-304 WAC FOR THE DEFINITION OF INERT WASTE). ONSITE FUELING TANKS SHALL INCLUDE SECONDARY CONTAINMENT.
3. MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF MUST BE CONDUCTED USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. EMERGENCY REPAIRS MAY BE PERFORMED ONSITE USING TEMPORARY PLASTIC PLACED BENEATH AND, IF RAINING, OVER THE VEHICLE.
4. APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND PESTICIDES, SHALL BE CONDUCTED IN A MANNER AND AT APPLICATION RATES THAT WILL NOT RESULT IN LOSS OF CHEMICAL TO STORMWATER RUNOFF. MANUFACTURERS' RECOMMENDATIONS FOR APPLICATION RATES AND PROCEDURES SHALL BE FOLLOWED.
5. MEASURES SHALL BE USED TO PREVENT OR TREAT CONTAMINATION OF STORMWATER RUNOFF BY PH MODIFYING SOURCES. THESE SOURCES INCLUDE, BUT ARE NOT LIMITED TO, BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHING AND CURING WATERS, WASTE STREAMS GENERATED FROM CONCRETE GRINDING AND SAWING, EXPOSED AGGREGATE PROCESSES, AND CONCRETE PUMPING AND MIXER WASHOUT WATERS. STORMWATER DISCHARGES SHALL NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE WATER QUALITY STANDARD FOR PH IN THE RECEIVING WATER.

RECOMMENDED CONSTRUCTION SEQUENCE:

1. HOLD THE PRE-CONSTRUCTION MEETING.
2. POST SIGN WITH NAME AND PHONE NUMBER OF CSWPP/ESC SUPERVISOR (MAY BE CONSOLIDATED WITH THE REQUIRED NOTICE OF CONSTRUCTION SIGN).
3. FENCE CLEARING LIMITS.
4. INSTALL CATCH BASIN PROTECTION, IF REQUIRED. INSTALL FLOW CONTROL BMP AREA PROTECTION, IF REQUIRED.
5. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S), IF REQUIRED.
6. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
7. CONSTRUCT SEDIMENT PONDS AND TRAPS, IF REQUIRED.
8. GRADE AND STABILIZE CONSTRUCTION ROADS, IF REQUIRED.
9. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT. CONSTRUCT SWPPS IN ANTICIPATION OF SCHEDULED CONSTRUCTION ACTIVITY (E.G., CONCRETE-RELATED PH MEASURES FOR UTILITY, VAULT OR ROADWAY CONSTRUCTION)
10. MAINTAIN EROSION CONTROL AND SWPPS MEASURES IN ACCORDANCE WITH KING COUNTY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
11. RELOCATE EROSION CONTROL AND SWPPS MEASURES, OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENT CONTROL AND POLLUTANT PROTECTION IS ALWAYS IN ACCORDANCE WITH THE KING COUNTY CONSTRUCTION STORMWATER POLLUTION PREVENTION STANDARDS.
12. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, OR EQUIVALENT.
13. STABILIZE ALL AREAS WITHIN SEVEN DAYS OF REACHING FINAL GRADE.
14. UPON COMPLETION OF THE PROJECT, STABILIZE ALL DISTURBED AREAS AND REMOVE BMPS WHEN THEY ARE NO LONGER REQUIRED.

ESC SUPPLEMENTAL NOTES:

1. INSTALL HIGH VISIBILITY SILT FENCE (HSF) WHERE SHOWN IN PLANS IN ACCORDANCE WITH WSDOT STANDARD PLAN I-30.17.
2. INSTALL INLET PROTECTION IN ACCORDANCE WITH WSDOT STANDARD PLAN I-40.20. ALL BUT 2 STORM DRAIN INLETS ARE NEW. INSTALL AS NEEDED TO PROTECT DURING CONSTRUCTION.
3. DURING THE WET SEASON (10/1-4/30), FOR EVERY ACRE OF DISTURBED AREA 50 LINEAR FEET OF SILT FENCE AND THE NECESSARY STAKES SHALL BE STOCKPILED ON SITE.
4. SEE SECTION 8-01 FOR FURTHER REQUIREMENTS.

STANDARD ESC PLAN NOTES:

1. APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FENCING, IF REQUIRED, PRIOR TO CONSTRUCTION (SWDM APPENDIX D). DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
5. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, FLOW CONTROL BMP LOCATIONS (EXISTING AND PROPOSED),AND ADJACENT PROPERTIES IS MINIMIZED.
6. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.) AS DIRECTED BY KING COUNTY.
8. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO CONSECUTIVE DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
9. ANY AREA NEEDING ESC MEASURES THAT DO NOT REQUIRE IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
10. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH DURING THE DRY SEASON, BI-MONTHLY DURING THE WET SEASON, OR WITHIN TWENTY FOUR (24) HOURS FOLLOWING A STORM EVENT.
11. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
12. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE ROUGH GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY. FLOW CONTROL BMP AREAS (EXISTING OR PROPOSED) SHALL NOT BE USED AS TEMPORARY FACILITIES AND SHALL BE PROTECTED FROM SEDIMENTATION AND INTRUSION.
13. COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE KING COUNTY SURFACE WATER DESIGN MANUAL.

NOTE: ALL INSTANCES OF "APPLICANT/ESC SUPERVISOR" ABOVE SHALL BE CONSIDERED "CONTRACTOR/CONTRACTOR'S ESC LEAD".

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SURVEY JOB NO: 22014	04/2022				100% DESIGN PROGRESS COPY 04/2026		FED. AID No.	
CHECKED: T. CRAY	04/2022						PROJECT No. 1139145	
CAD ENTERED: J. WOHLERS	04/2026						MAINTENANCE DIVISION No. 4	
DESIGNED: J. WOHLERS	04/2026							
CHECKED: J. KLEINKOPF	04/2026							
SUPERVISOR: A. MCMANUS	04/2026							
		NUM. REVISION	BY	DATE				

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

TEMPORARY EROSION AND SEDIMENT CONTROL NOTES

King County

SHEET 29 OF 41 SHEETS

321-22 (29)

SEC. 28, T.21 N., R.6 E., W.M.

N 4 W 4

DECOMPACTION (SY)	792

DECOMPACTION AREA NOTE:
3990 SF
0.11 ACRE

PROJECT LIMITS
STA. G 31+50.00
N 106072.18
E 1337340.69

9063
KUZMINSKY, ROBERT & LORI

9066
BESOLA, AMELIA M

9046
KING COUNTY PARKS

218TH AVE SE

212TH WAY SE

SE GREEN VALLEY RD

T.C.E.

NEW R/W

SLOPE EASEMENT

SOIL DECOMPACTION

EXTENT OF BIORETENTION SOIL MIX, SEE SHEET 25 FOR DETAILS

PROJECT LIMITS
STA. G 37+75.00
N 105688.61
E 1337834.06

LANDSCAPE LEGEND

- SOIL AMENDMENT
- TOPSOIL TYPE A
- ROUNDABOUT COBBLES

GENERAL NOTES:

1. SEE SHEET 32 FOR ROUNDABOUT MIX.
2. SEE SHEET 33 FOR PLANT MATERIAL LIST, SEEDING QUANTITY, PLANT MATERIAL SETBACK CHART, AND GENERAL PLANTING NOTES.
3. SEE SHEET 34 FOR DETAILS
4. RANDOMLY MIX SPECIES WITHIN PLANTING AREAS. PLANT SHRUBS IN GROUPS OF 3–5 BY SPECIES.
5. ROADSIDE SEEDING QUANTITY SHOWN ON PLAN REPRESENTS ALL SEEDING FOR THE PROJECT.
6. SEE DRAINAGE PLANS FOR BIORETENTION SOIL MIX QUANTITIES

ROADSIDE SEEDING		
SYMBOL	ITEM	QTY
	SOIL AMENDMENT (SY)	1311

ROUNDABOUT		
SYMBOL	ITEM	QTY
	TOPSOIL TYPE A (CY)	300
	3" BARK OR WOODCHIP MULCH (SY)	161

UPLAND AREA		
SYMBOL	ITEM	QTY
	TOPSOIL TYPE A (CY)	270
	SOIL AMENDMENT (SY)	141
	3" BARK OR WOODCHIP MULCH (SY)	470

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91
DATUM
N.G.V.D. 88

20 10 0 20 40
SCALE IN FEET

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MAINTENANCE DIVISION No. 4

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

SOIL PREPARATION PLAN

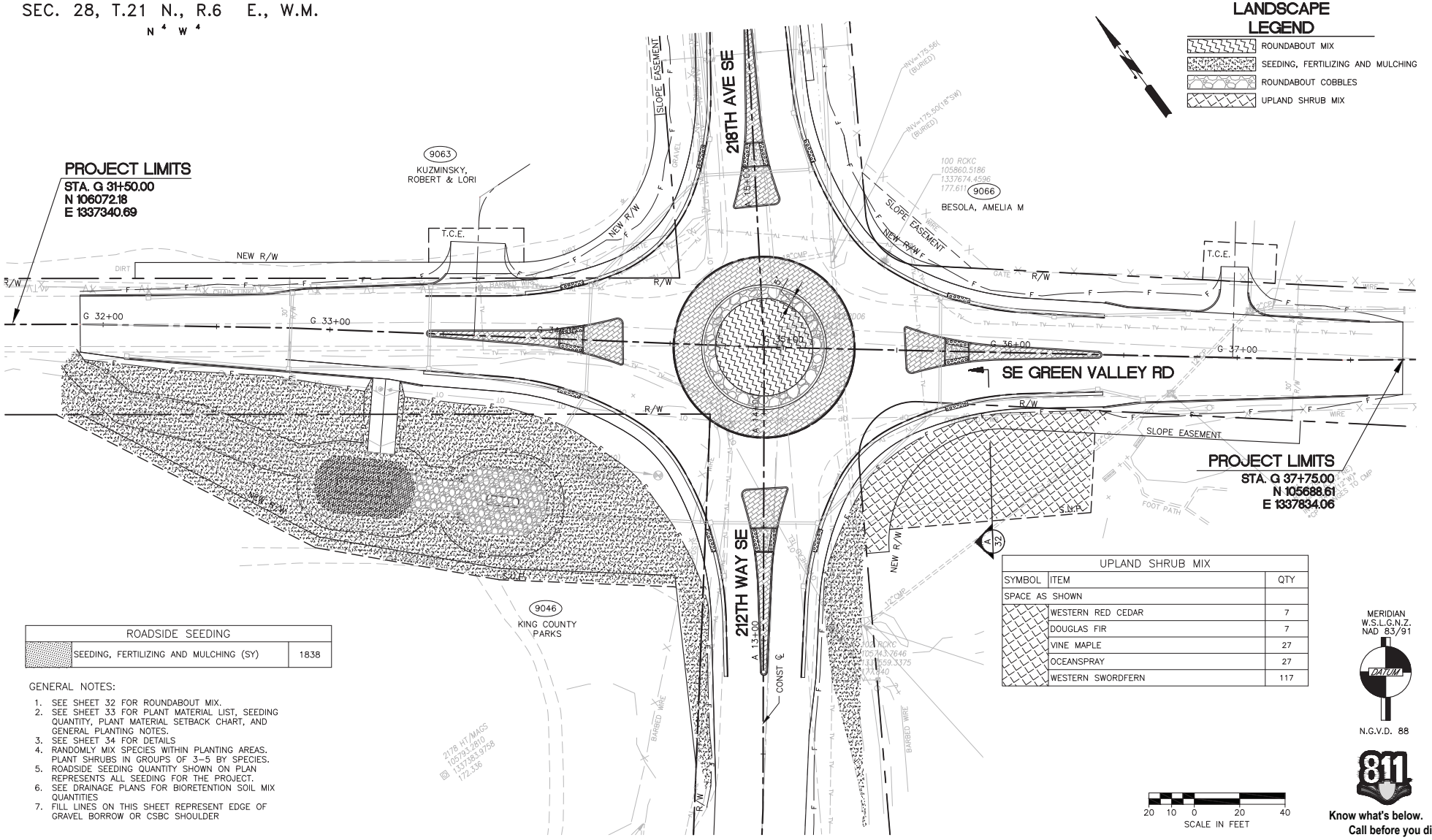
King County

SHEET 30 OF 41 SHEETS

321-22 (30)

SEC. 28, T.21 N., R.6 E., W.M.

N 4 W 4



ROADSIDE SEEDING		
	SEEDING, FERTILIZING AND MULCHING (SY)	1838

UPLAND SHRUB MIX		
SYMBOL	ITEM	QTY
SPACE AS SHOWN		
	WESTERN RED CEDAR	7
	DOUGLAS FIR	7
	VINE MAPLE	27
	OCEANSPRAY	27
	WESTERN SWORDFERN	117

GENERAL NOTES:

1. SEE SHEET 32 FOR ROUNDABOUT MIX.
2. SEE SHEET 33 FOR PLANT MATERIAL LIST, SEEDING QUANTITY, PLANT MATERIAL SETBACK CHART, AND GENERAL PLANTING NOTES.
3. SEE SHEET 34 FOR DETAILS
4. RANDOMLY MIX SPECIES WITHIN PLANTING AREAS. PLANT SHRUBS IN GROUPS OF 3–5 BY SPECIES.
5. ROADSIDE SEEDING QUANTITY SHOWN ON PLAN REPRESENTS ALL SEEDING FOR THE PROJECT.
6. SEE DRAINAGE PLANS FOR BIORETENTION SOIL MIX QUANTITIES
7. FILL LINES ON THIS SHEET REPRESENT EDGE OF GRAVEL BORROW OR CSBC SHOULDER

MERIDIAN
W.S.L.G.N.Z.
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DATUM
N.G.V.D. 88

20 10 0 20 40
SCALE IN FEET

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SUPERVISOR:	A. MCMANUS	04/2026					
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KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

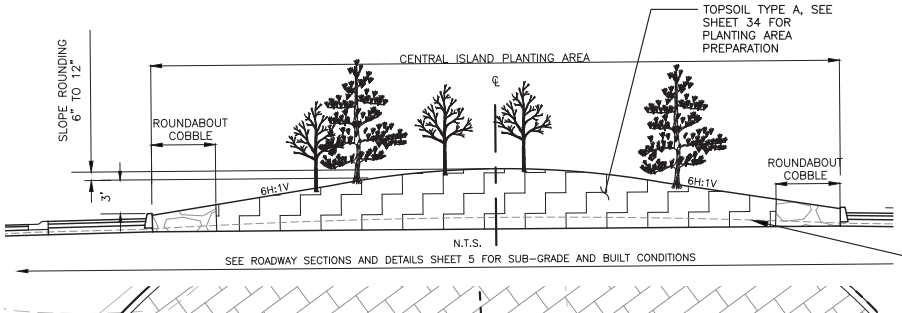
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

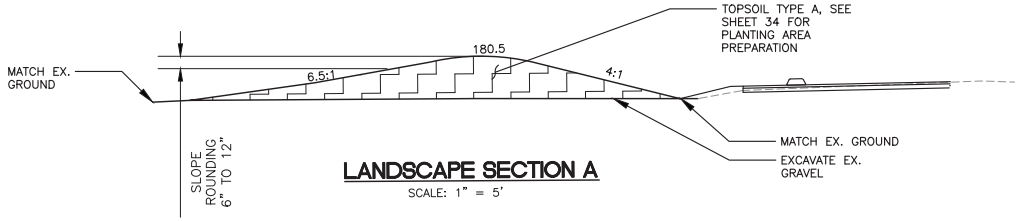
LANDSCAPE PLAN 1

King County

SHEET 31 OF 41 SHEETS

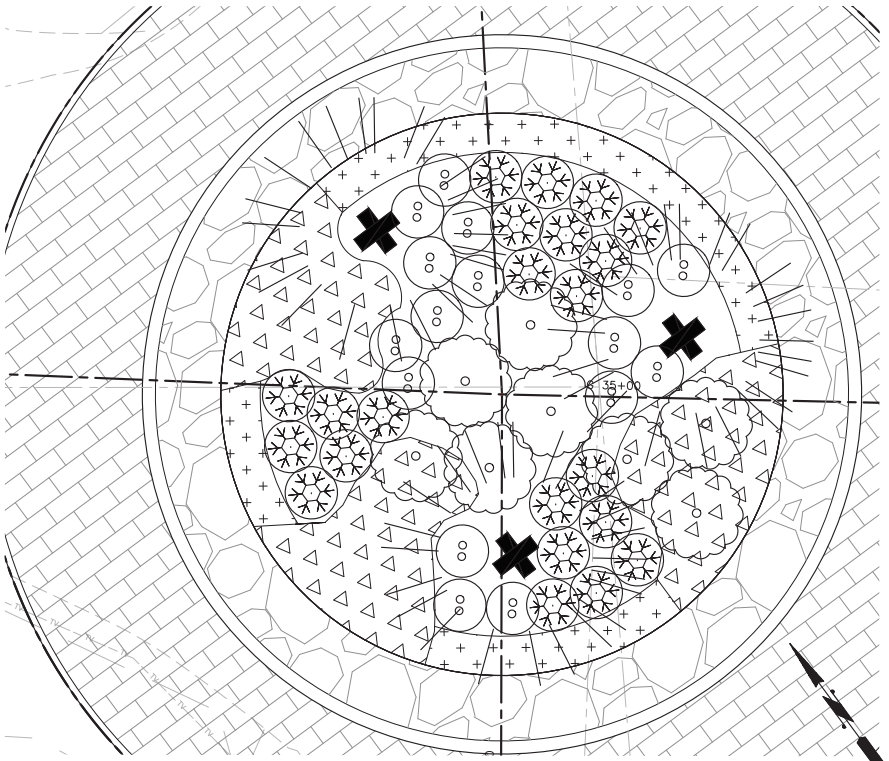
321-22 (31)





LANDSCAPE SECTION A

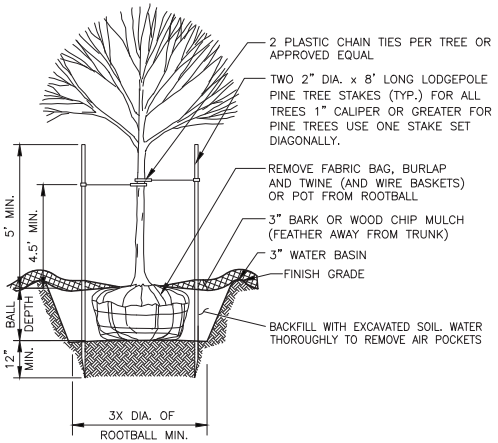
SCALE: 1" = 5'



ROUNDABOUT PLANTING PLAN

NTS

1



NOTES:

1. TOP OF ROOT CROWN TO BE FLUSH WITH FINISH GRADE & UPPERMOST ROOT SHALL BE NO MORE THAN 1" BELOW SOIL SURFACE.
2. INSTALL SLOW-RELEASE WATERING BAGS AT EACH TREE IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND THE MANUFACTURER'S RECOMMENDATIONS.

ROUNDABOUT TREE PLANTING/STAKING

NTS

2

SYMBOL	ITEM	QTY
ROUNDABOUT MIX		
	SHORE PINE	3
	STRAWBERRY TREE	8
	SNOWBERRY	23
	PURPLE PAVEMENT ROSE	15
	CREEPING OREGON GRAPE (3' O.C.)	25
	CEANOTHUS 'POINT REYES' (3' O.C.)	25
	BEACH STRAWBERRY (3' O.C.)	24
	ROUNDABOUT COBBLES (CY)	42

MERIDIAN
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DATUM
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MAINTENANCE DIVISION No. 4

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

LANDSCAPE PLAN – ROUNDABOUT ENLARGEMENT

King County

SHEET 32 OF 41 SHEETS

321-22 (32)

PLANT MATERIAL LIST

COMMON NAME	BOTANICAL NAME	QUANTITY	SIZE	ROOT CONDITION	REMARKS
TREES					
STRAWBERRY TREE	ARBUTUS UNEDO	8	24 IN. HT.	NO. 2 CONT.	SECTION 9-14.7(2), MULTI-STEMMED, THREE STEM MIN.
SHORE PINE	PINUS CONTORTA	3	60 IN. HT.	NO. 5 CONT.	SECTION 9-14.7(2), SINGLE LEADER
DOUGLAS FIR	PSEUDOTSUGA MENZIESII	7	18 IN. HT.	NO. 2 CONT.	SECTION 9-14.7(2), SINGLE LEADER
WESTERN RED CEDAR	THUJA PLICATA	7	18 IN. HT.	NO. 2 CONT.	SECTION 9-14.7(2), SINGLE LEADER
SHRUBS					
VINE MAPLE***	ACER CIRCINATUM	27	24 IN. HT.	NO. 2 CONT.	SECTION 9-14.7(2), THREE STEM MIN.
OCEANSPRAY***	HOLODISCUS DISCOLOR	27	18 IN. HT.	NO. 2 CONT.	SECTION 9-14.7(2), THREE STEM MIN.
SNOWBERRY**	SYMPHORICARPOS ALBUS	23	12 IN. HT.	NO. 2 CONT.	SECTION 9-14.7(2), THREE STEM MIN.
PURPLE PAVEMENT ROSE**	ROSA RUGOSA 'PURPLE PAVEMENT'	15	12 IN. HT.	NO. 2 CONT.	SECTION 9-14.7(2), THREE STEM MIN.
FERNS AND GROUNDCOVERS					
CEANOTHUS 'POINT REYES'*	CEANOTHUS GLORIOSUS 'PT. REYES'	25	6 IN. HT.	NO. 1 CONT.	SECTION 9-14.7(2), THREE STEM MIN.
BEACH STRAWBERRY*	FRAGARIA CHILOENSIS	24	6 IN. HT.	NO. 1 CONT.	SECTION 9-14.7(2), THREE STEM MIN.
CREEPING OREGON GRAPE*	MAHONIA REPENS	25	6 IN. HT.	NO. 1 CONT.	SECTION 9-14.7(2), THREE STEM MIN.
WESTERN SWORDFERN*	POLYSTICHUM MUNITUM	117	6 IN. HT.	NO. 1 CONT.	SECTION 9-14.7(2), THREE FROND MIN.

RESTORATION NOTES:

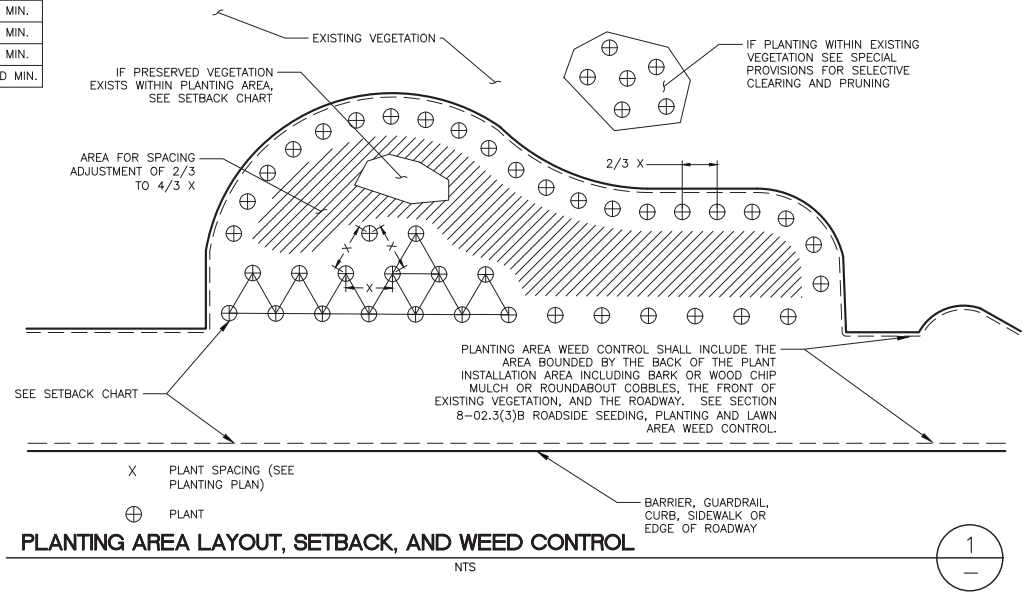
1. CONTRACTOR SHALL HAVE ALL MATERIAL INSPECTED AND TREE LAYOUTS APPROVED BY THE ENGINEER PRIOR TO PLANTING.
2. IN ACCORDANCE WITH SECTION 8-02.3(8)A, NO SUBSTITUTION OF PLANT MATERIAL, SPECIES OR VARIETY, WILL BE ALLOWED UNLESS EVIDENCE IS SUBMITTED IN WRITING WITHIN 30 CALENDAR DAYS OF EXECUTION OF CONTRACT TO THE ENGINEER THAT A SPECIFIED PLANT CANNOT BE OBTAINED AND HAS BEEN UNOBTAINABLE SINCE THE AWARD OF THE CONTRACT.
3. ALL AREAS OF FORMER GRAVEL, PAVEMENT OR ROADWAY PRISM SHALL BE DECOMPACTED PRIOR TO INSTALLATION OF TOPSOIL TYPE A.
4. ALL SEEDING AREAS TO RECEIVE 3" OF FINE COMPOST AS SOIL AMENDMENT INCORPORATED INTO THE EXISTING SUBGRADE PRIOR TO SEEDING.
5. ALL PLANTED AREAS SHALL BE COVERED IN 3" OF BARK OR WOOD CHIP MULCH AS SHOWN ON THE PLANS.
6. ALL BARK OR WOOD CHIP MULCH AREAS, SEEDED AREAS, PLANTED AREAS, AND ROUNDABOUT COBBLE AREAS SHALL BE KEPT WEED AND DEBRIS FREE FOR THE DURATION OF THE CONTRACT.

TOTAL AREA TO BE VEGETATED
(RESTORED/ENHANCED/PLANTED/SEEDED): 22,225 SF (0.51 ACRES)

PLANT MATERIAL NOTES:

1. IF A CONFLICT OCCURS BETWEEN THE AMERICAN STANDARD FOR NURSERY STOCK (ASNS) ANSI Z60.1 AND THESE SPECIFICATIONS THEN THESE SPECIFICATIONS SHALL APPLY. SPECIFICATIONS FOR SIZE AND ROOT CONDITION ARE MINIMUMS BASED ON ASNS SIZING STANDARDS IN ACCORDANCE WITH SECTION 9-14.7(2).
2. ALL PLANT MATERIAL SHALL BE NURSERY GROWN STOCK.
3. ALL PLANT MATERIAL SHALL BE CONSIDERED "PSIPE _____".

*,**,*** SEE PLANT MATERIAL SETBACK CHART FOR EACH VEGETATION AND TREE TYPE.



PLANTING AREA LAYOUT, SETBACK, AND WEED CONTROL

NTS

1

PLANT MATERIAL SETBACK CHART

THIS CHART SUPPLEMENTS SECTION 8.02.3(7) OF THE STANDARD SPECIFICATIONS. SETBACKS APPLY UNLESS OTHERWISE ADJUSTED BY THE ENGINEER DURING PLANT STAKING OR LAYOUT. DISTANCES BELOW ARE TO THE STEM OR TRUNK OF THE PLANT BEING INSTALLED.

	GUARDRAIL OR BARRIER	EDGE OF ROADWAY Ω	BACK OF SIDEWALK	FACE OF WALL	BACK OF WALL	FENCE	SIGNS	EXISTING TREE TRUNK	EXISTING VEGETATION MASS	OVERHEAD POWER	DRAINAGE STRUCTURE
GROUNDCOVER *	5'	5'	1/2 O.C. SPACING	1.5'	1.5'	1.5'	1.5'	5'	5'	-	5'
SMALL SHRUB **	5'	5'	1/2 O.C. SPACING	3'	3'	3'	5'	5'	5'	-	5'
TALL SHRUB ***	10'	15'	1/2 O.C. SPACING	5'	5'	5'	6'	10'	10'	10'	10'
DECIDUOUS TREE	10'	10'	3'	15'	10'	10'	15'	15'	10'	20'	15'
CONIFEROUS TREE	10'	20'	20'	15'	10'	10'	15'	15'	10'	20'	15'

Ω IF THERE IS A ROADSIDE DITCH, GROUNDCOVER AND SMALL SHRUB OFFSET IS 5' FROM EDGE OF DITCH.
*,**,*** SEE PLANT MATERIAL LIST FOR EACH VEGETATION AND TREE TYPE.

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CHECKED: J. KLEINKOPF	04/2026		
SUPERVISOR: A. MCMANUS	04/2026		
		NUM. REVISION	BY DATE

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PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

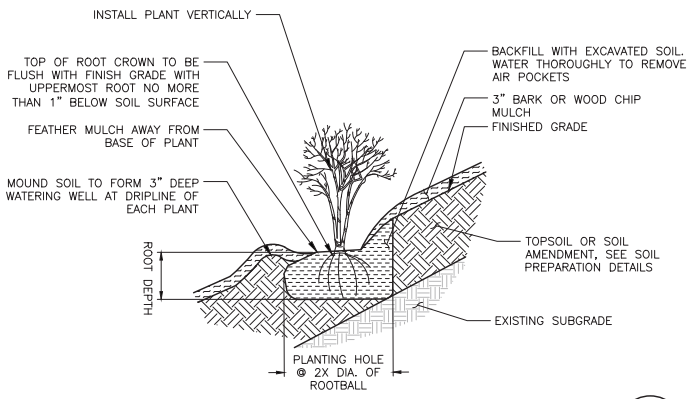
SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

LANDSCAPE NOTES

King County

SHEET 33 OF 41 SHEETS

321-22 (33)



PLANTING ON SLOPE

NTS

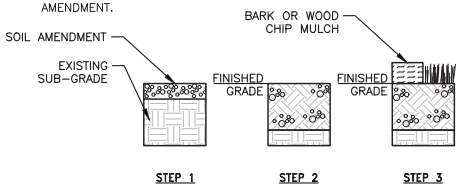
1

STEP 1
PLACE 3 INCHES OF SOIL AMENDMENT ONTO EXISTING OR DECOMPACTED SUBGRADE, OR GRAVEL BORROW.

STEP 2
TILL SOIL AMENDMENT INTO EXISTING OR DECOMPACTED SUB-GRADE TO A DEPTH OF 12 INCHES, BRING TO A UNIFORM GRADE AND COMPACT. OMIT TILLING ON SLOPES STEEPER THAN 2:1, WITHIN TREE PROTECTION ZONES, AND OVER GRAVEL BORROW.

STEP 3
PLACE 3 INCHES OF BARK OR WOOD CHIP MULCH OR SEED WHERE INDICATED IN PLANS.

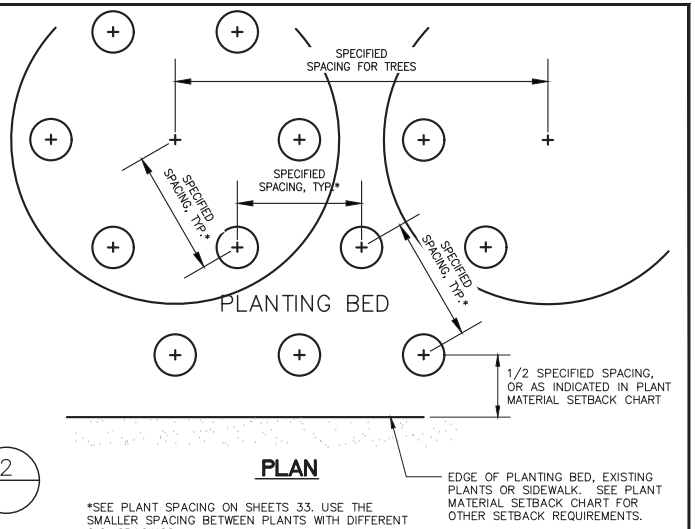
NOTES:
1. ALL AREAS SHALL BE WEED-FREE PRIOR TO INSTALLATION OF SOIL AMENDMENT.
2. ALL AREAS OF COMPACTED SUBGRADE INCLUDING STAGING AREAS SHALL BE DECOMPACTED BY RIPPING SOIL TO A DEPTH OF 18" PRIOR TO SOIL AMENDMENT.



SEEDING AND PLANTING AREA SOIL AMENDMENT

NTS

2



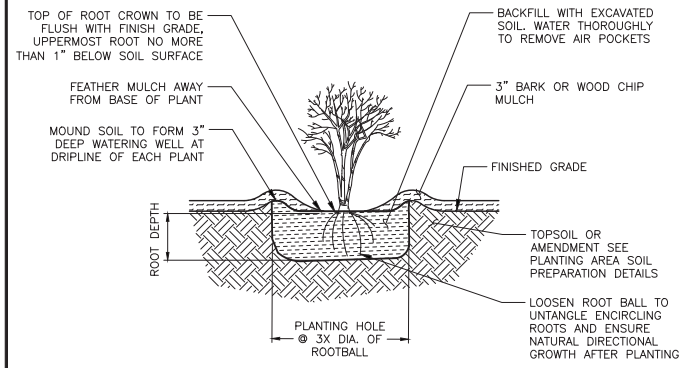
PLAN

*SEE PLANT SPACING ON SHEETS 33. USE THE SMALLER SPACING BETWEEN PLANTS WITH DIFFERENT O.C. SPACINGS.

PLANTING SPACING

NTS

3



CONTAINERIZED PLANTING

NTS

4

NOTES:
1. TOPSOIL AND COMPOST SOCK INSTALLATION MUST BE APPROVED BEFORE BARK OR WOOD CHIP MULCH IS PLACED.
2. ALL DEPTHS ARE COMPACTED DEPTHS.
3. SEE SECTION 8-02.3(5) FOR ADDITIONAL REQUIREMENTS

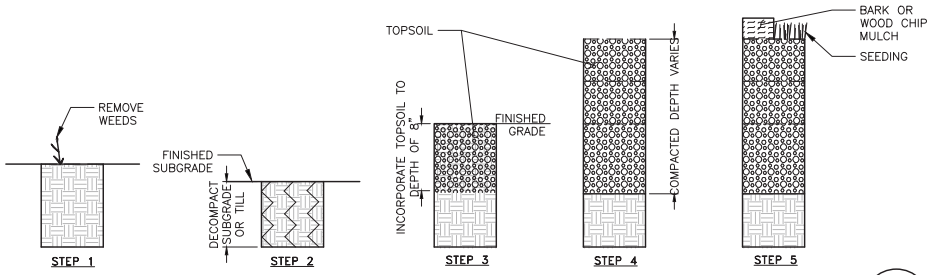
STEP 1
REMOVE WEEDS. USE HERBICIDES IF NEEDED IN ACCORDANCE WITH THE APPROVED WEED AND PEST CONTROL PLAN.

STEP 2
WHERE SOIL DECOMPACTION IS SHOWN IN PLANS, DECOMPACT SUBGRADE TO AN 18-INCH DEPTH IN ACCORDANCE WITH THE SOIL DECOMPACTION SPECIAL PROVISION. OUTSIDE OF SOIL DECOMPACTION AREAS, TILL SUBGRADE TO A DEPTH OF 12-INCHES PRIOR TO PLACEMENT OF TOPSOIL.

STEP 3
INCORPORATE 6 INCHES OF TOPSOIL TYPE A INTO PREPARED SUBGRADE TO A DEPTH OF 8 INCHES.

STEP 4
PLACE SUCCESSIVE LIFTS OF TOPSOIL TYPE A NO MORE THAN 6-INCHES THICK, COMPACTING EACH LIFT IN ACCORDANCE WITH SECTION 8-02.3(4). CONTINUE TO INSTALL ADDITIONAL LIFTS TO THE COMPACTED DEPTH SPECIFIED.

STEP 5
PLACE 3 INCHES OF BARK OR WOOD CHIP MULCH OR SEED WHERE INDICATED IN PLANS.



SEEDING AND PLANTING AREA SOIL PREPARATION

NTS

5

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KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

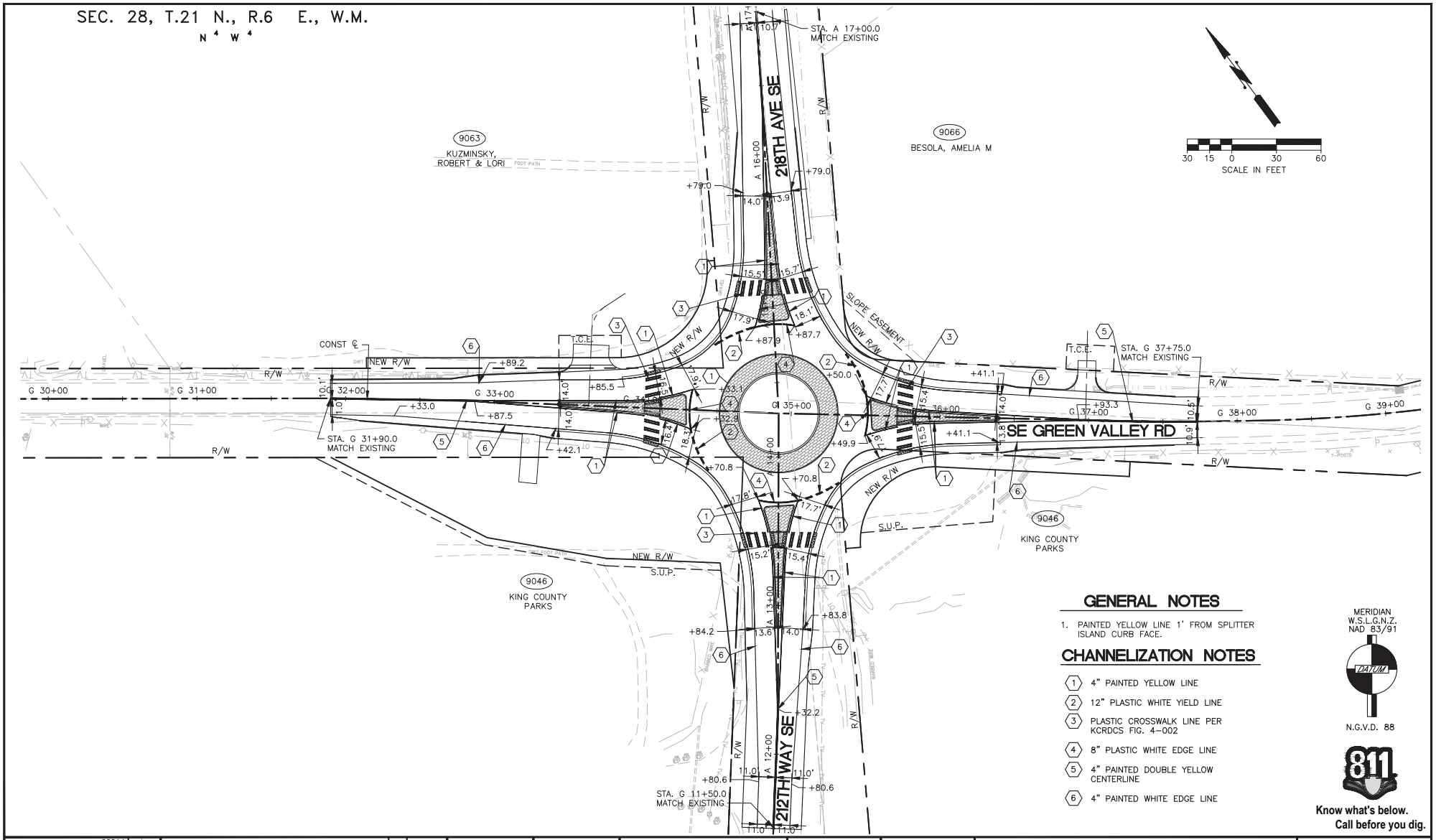
LANDSCAPE DETAILS

King County

SHEET 34 OF 41 SHEETS

321-22 (34)

SEC. 28, T.21 N., R.6 E., W.M.



GENERAL NOTES

1. PAINTED YELLOW LINE 1' FROM SPLITTER ISLAND CURB FACE.

CHANNELIZATION NOTES

1. 4" PAINTED YELLOW LINE
2. 12" PLASTIC WHITE YIELD LINE
3. PLASTIC CROSSWALK LINE PER KCRDCS FIG. 4–002
4. 8" PLASTIC WHITE EDGE LINE
5. 4" PAINTED DOUBLE YELLOW CENTERLINE
6. 4" PAINTED WHITE EDGE LINE

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91

DATUM

N.G.V.D. 88

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DESIGNED: D. DOVEY	04/2026				
CHECKED: D. DOVEY	04/2026				
SUPERVISOR: K. BROWN	04/2026				

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PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

KEITH P. BREEN
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

CHANNELIZATION PLAN 1

King County

SHEET 35 OF 41 SHEETS

321-22 (35)

ILLUMINATION NOTES

(1) PSE TO INSTALL NEW POLE, LUMINAIRE AND ARM PER POLE AND LUMINAIRE SCHEDULE.

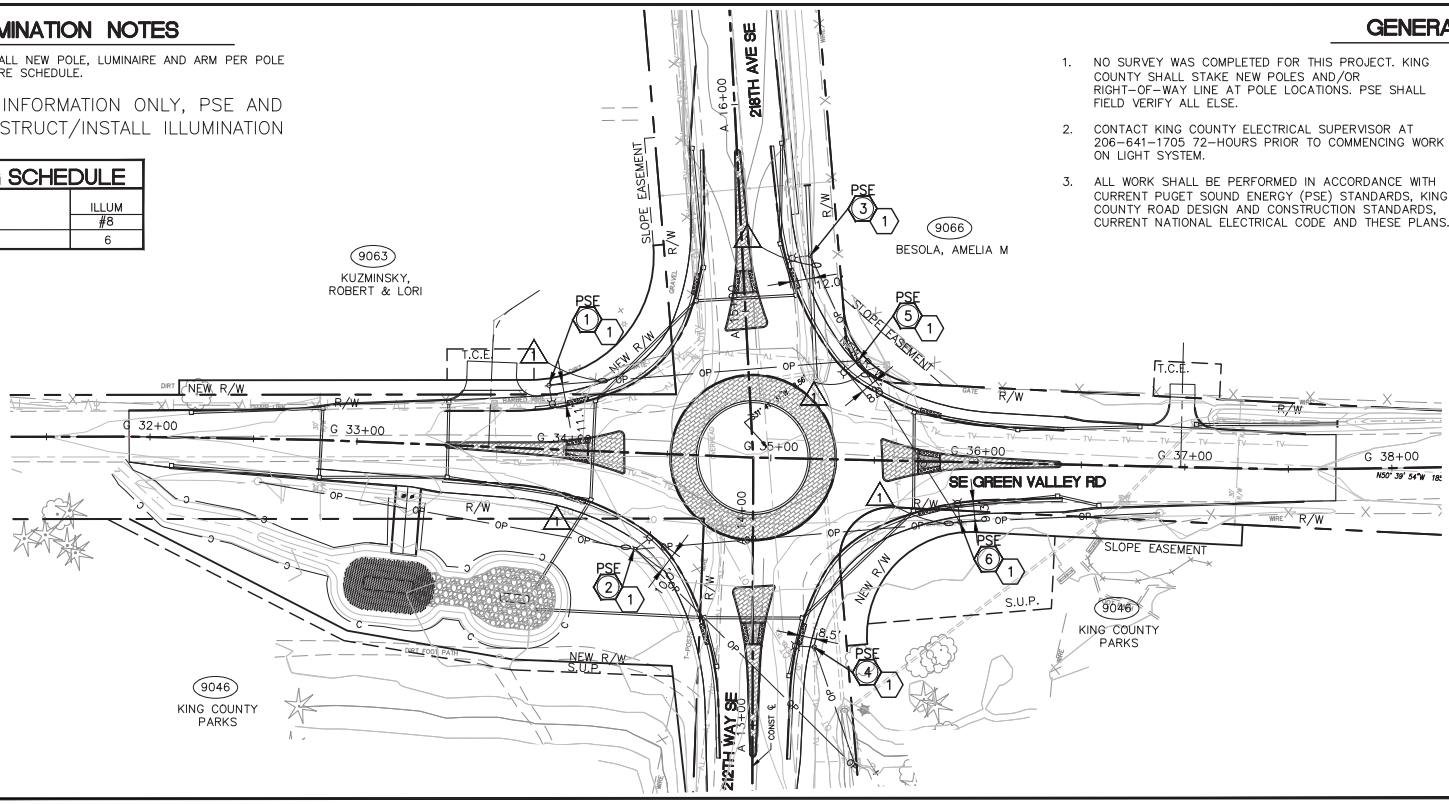
NOTE: FOR INFORMATION ONLY, PSE AND KC TO CONSTRUCT/INSTALL ILLUMINATION

WIRING SCHEDULE

RUN NO.	RACEWAY	ILLUM #8
1	AERIAL	6

GENERAL NOTES

1. NO SURVEY WAS COMPLETED FOR THIS PROJECT. KING COUNTY SHALL STAKE NEW POLES AND/OR RIGHT-OF-WAY LINE AT POLE LOCATIONS. PSE SHALL FIELD VERIFY ALL ELSE.
2. CONTACT KING COUNTY ELECTRICAL SUPERVISOR AT 206-641-1705 72-HOURS PRIOR TO COMMENCING WORK ON LIGHT SYSTEM.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT PUGET SOUND ENERGY (PSE) STANDARDS, KING COUNTY ROAD DESIGN AND CONSTRUCTION STANDARDS, CURRENT NATIONAL ELECTRICAL CODE AND THESE PLANS.
4. ALL LUMINAIRES SHALL BE ORIENTED AS SHOWN.
5. KING COUNTY SHALL PAY FOR POWER USAGE OF LUMINAIRES ON PSE POLES.
6. EXISTING UTILITIES AND SURFACE FEATURES SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION UNLESS OTHERWISE NOTED IN THIS PLAN SET.



LEGEND

EXISTING	PROPOSED	
		LUMINAIRE & POLE
		LUMINAIRE
		TYPE 1 J-BOX (LOCKING)
		ELECTRICAL SERVICE CABINET
		POLE NUMBER
		WIRE NOTE (SEE WIRING SCHEDULE)
		UNDERGROUND CONDUIT/WIRES
OP	OP	OVERHEAD LINES
		TRANSFORMER
		PHOTO CELL
		UTILITY POLE
		VEGETATION TRIMMING AREA

30 15 0 30 60
SCALE IN FEET

POLE AND LUMINAIRE SCHEDULE

POLE NO.	SHT NO.	LOCATION ROAD	LOCATION CROSS	LOCATION SIDE	POLES EXIST TYPE	POLES EXIST POLE #	POLES NEW TYPE	POLES NEW FACE OF POLE TO EDGE LINE	LUMINAIRE ARM LENGTH EXIST	LUMINAIRE ARM LENGTH NEW	MOUNT ON POLE EXIST	MOUNT ON POLE NEW	RISE EXIST	RISE NEW	LUMIN FROM/TO RDWY EXIST	LUMIN FROM/TO RDWY NEW	ORIENT	WATTAGE EXIST HPS	WATTAGE NEW LED	GE FIXTURE NUMBER	COMMENTS
PSE (1)	36	SE GREEN VALLEY RD	WEST OF 218TH AVE SE	NORTH	--	NEW	WOOD	11.1'	--	10	--	28'	--	3'	--	29'	PERP.	--	121	121W 4000K Type III 15000lum CH ERL1_15C540	
PSE (2)	36	SE GREEN VALLEY RD	WEST OF 218TH AVE SE	SOUTH	--	NEW	WOOD	10.0'	--	10	--	28'	--	3'	--	29'	PERP.	--	102	102W 4000K Type III 13000lum CH ERL1_13C540	
PSE (3)	36	218TH AVE SE	NORTH OF SE GREEN VALLEY RD	EAST	--	NEW	WOOD	12.0'	--	10	--	28'	--	3'	--	29'	PERP.	--	121	121W 4000K Type III 15000lum CH ERL1_15C540	
PSE (4)	36	212TH WAY SE	SOUTH OF SE GREEN VALLEY RD	EAST	--	NEW	WOOD	8.5'	--	10	--	28'	--	3'	--	29'	PERP.	--	121	121W 4000K Type III 15000lum CH ERL1_15C540	
PSE (5)	36	SE GREEN VALLEY RD	EAST OF 218TH AVE SE	NORTH	--	NEW	WOOD	8.0'	--	10	--	28'	--	3'	--	29'	PERP.	--	102	102W 4000K Type III 13000lum CH ERL1_13C540	
PSE (6)	36	SE GREEN VALLEY RD	EAST OF 218TH AVE SE	SOUTH	--	NEW	WOOD	9.3'	--	10	--	28'	--	3'	--	29'	PERP.	--	121	121W 4000K Type III 15000lum CH ERL1_15C540	

MERIDIAN W.S.L.G.N.Z. NAD 83/91
DATUM
N.G.V.D. 88

811
Know what's below. Call before you dig.

SURVEY JOB NO:	22014	04/2022	
CHECKED:	T. CRAY	04/2022	
CAD ENTERED:	C. KLINGELE	04/2026	
DESIGNED:	C. KLINGELE	04/2026	
CHECKED:	J. LINDERS	04/2026	
SUPERVISOR:	A. MCMANUS	04/2026	

NUM.	REVISION	BY	DATE

100% DESIGN PROGRESS COPY 04/2026

FED. AID No.

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

ILLUMINATION PLAN 1

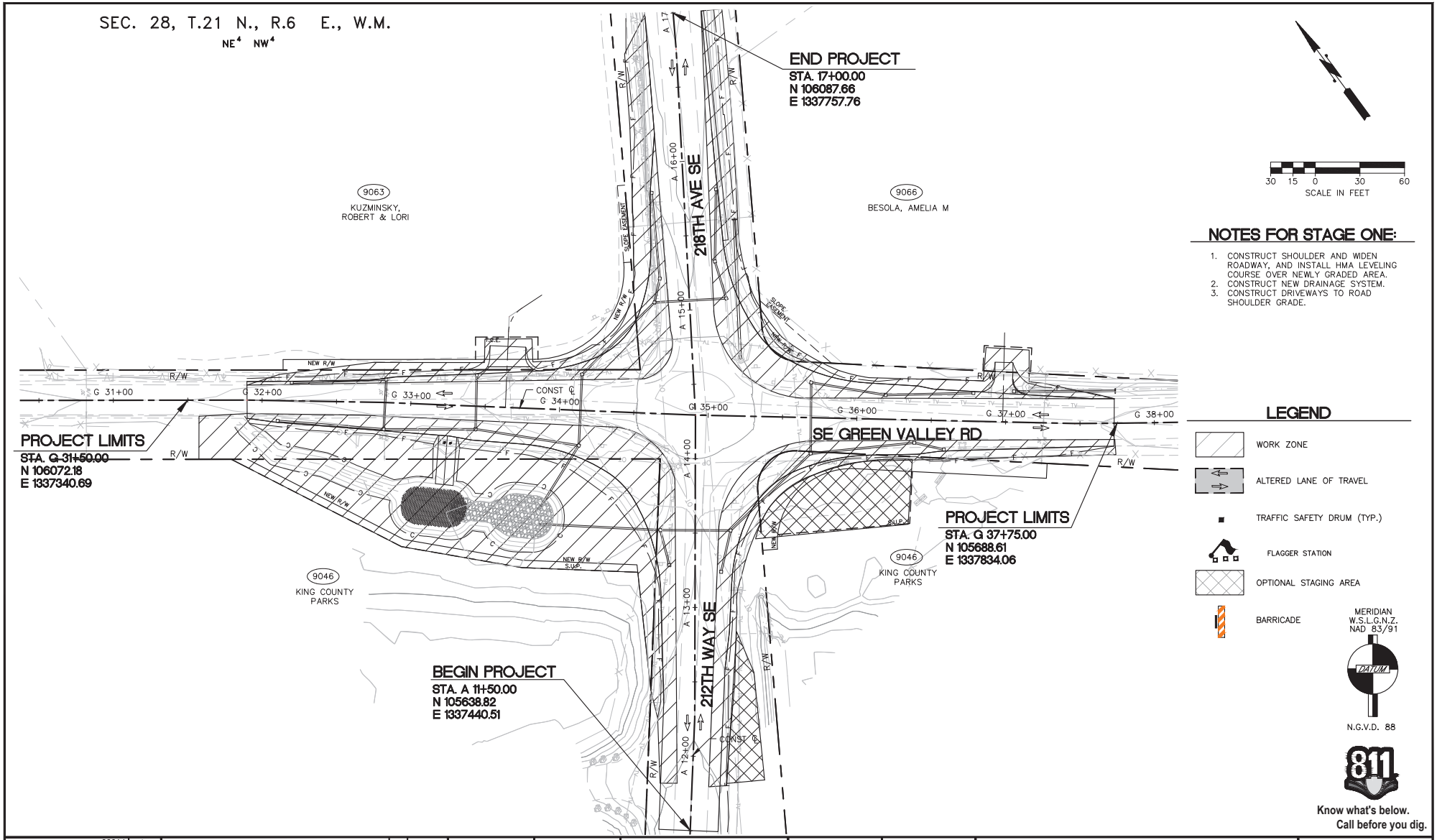
King County

SHEET 36 OF 41 SHEETS

321-22 (36)

SEC. 28, T.21 N., R.6 E., W.M.

NE^4 NW^4



30 15 0 30 60

SCALE IN FEET

NOTES FOR STAGE ONE:

1. CONSTRUCT SHOULDER AND WIDEN ROADWAY, AND INSTALL HMA LEVELING COURSE OVER NEWLY GRADED AREA.
2. CONSTRUCT NEW DRAINAGE SYSTEM.
3. CONSTRUCT DRIVEWAYS TO ROAD SHOULDER GRADE.

LEGEND

- WORK ZONE
- ALTERED LANE OF TRAVEL
- TRAFFIC SAFETY DRUM (TYP.)
- FLAGGER STATION
- OPTIONAL STAGING AREA
- BARRICADE

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91

DATUM

N.G.V.D. 88

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DESIGNED:	C. KLINGELE	04/2026					
CHECKED:	J. LINDERS	04/2026					
SUPERVISOR:	A. MCMANUS	04/2026					
			NUM.	REVISION	BY	DATE	

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MAINTENANCE DIVISION No. 4

KEITH P. BROWN
STATE OF WASHINGTON
PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

CONSTRUCTION STAGING PLAN
STAGE 1

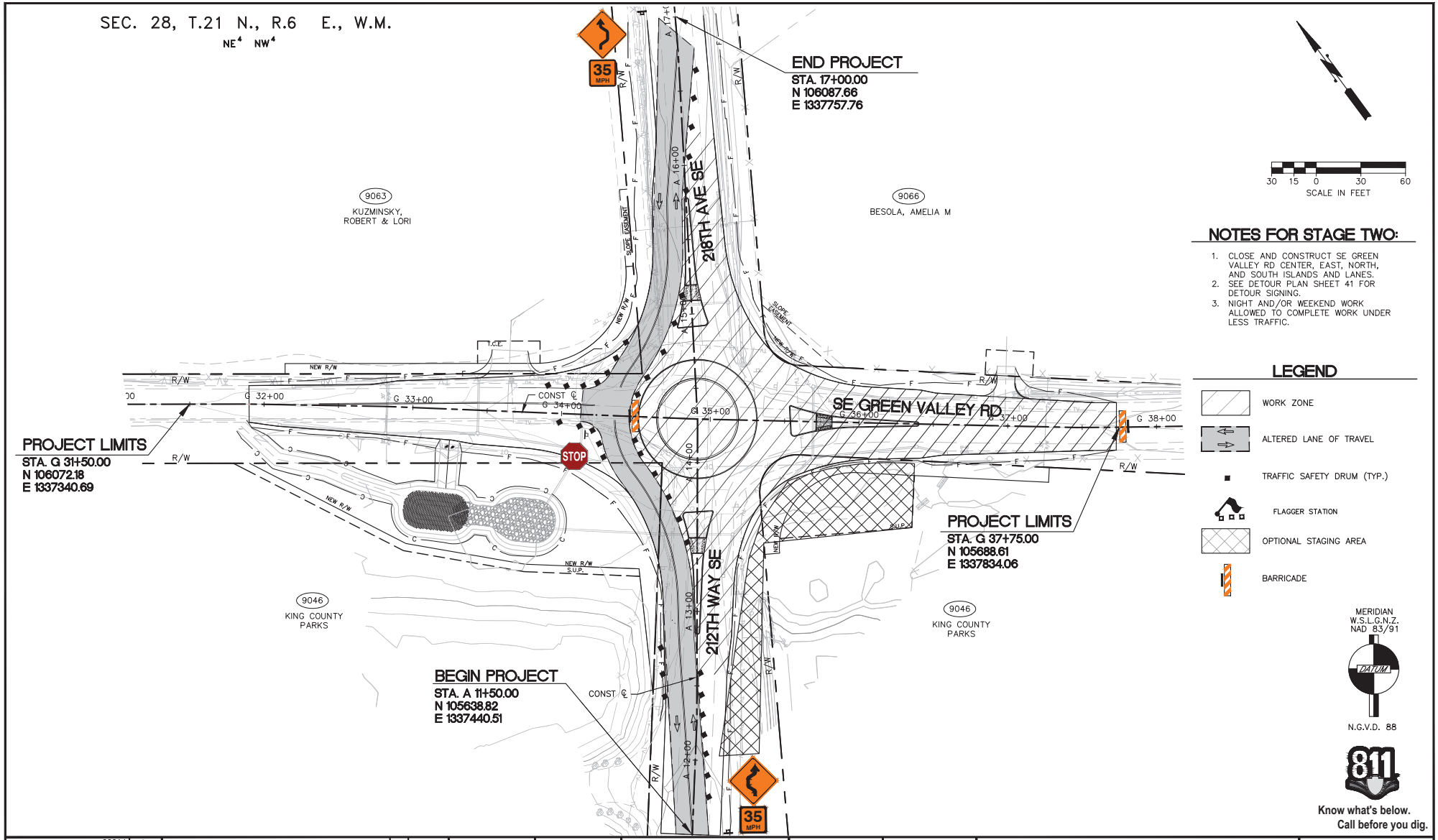
King County

SHEET 37 OF 41 SHEETS

321-22 (37)

SEC. 28, T.21 N., R.6 E., W.M.

NE^4 NW^4



NOTES FOR STAGE TWO:

1. CLOSE AND CONSTRUCT SE GREEN VALLEY RD CENTER, EAST, NORTH, AND SOUTH ISLANDS AND LANES.
2. SEE DETOUR PLAN SHEET 41 FOR DETOUR SIGNING.
3. NIGHT AND/OR WEEKEND WORK ALLOWED TO COMPLETE WORK UNDER LESS TRAFFIC.

LEGEND

- WORK ZONE
- ALTERED LANE OF TRAVEL
- TRAFFIC SAFETY DRUM (TYP.)
- FLAGGER STATION
- OPTIONAL STAGING AREA
- BARRICADE

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91

DATUM

N.G.V.D. 88

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DESIGNED: C. KLINGELE	04/2026				
CHECKED: J. LINDERS	04/2026				
SUPERVISOR: A. MCMANUS	04/2026				
		NUM.	REVISION	BY	DATE

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STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

CONSTRUCTION STAGING PLAN
STAGE 2 – EAST LEG CLOSURE

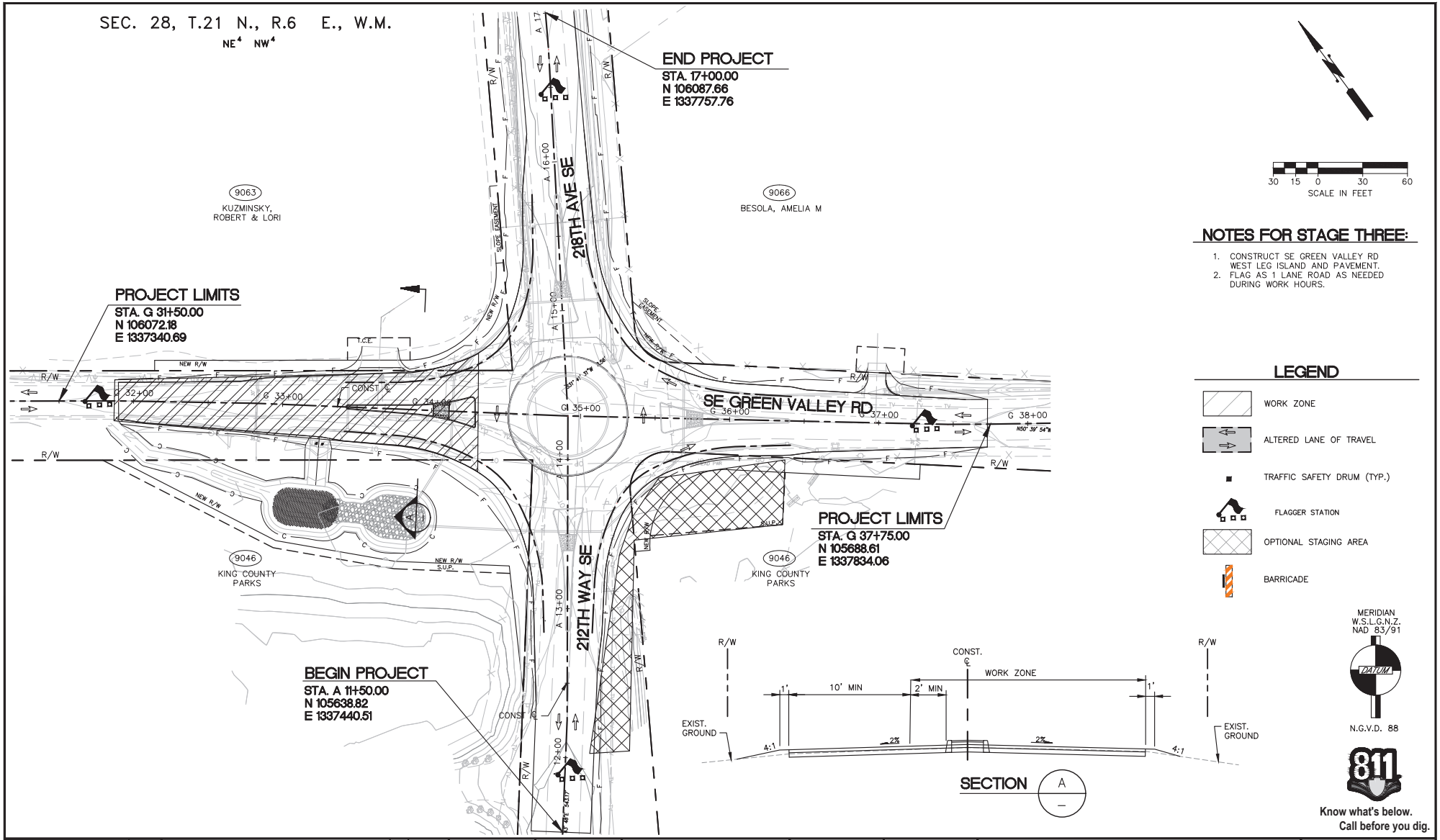
King County

SHEET 38 OF 41 SHEETS

321-22 (38)

SEC. 28, T.21 N., R.6 E., W.M.

NE^4 NW^4



NOTES FOR STAGE THREE:

1. CONSTRUCT SE GREEN VALLEY RD WEST LEG ISLAND AND PAVEMENT.
2. FLAG AS 1 LANE ROAD AS NEEDED DURING WORK HOURS.

LEGEND

- WORK ZONE
- ALTERED LANE OF TRAVEL
- TRAFFIC SAFETY DRUM (TYP.)
- FLAGGER STATION
- OPTIONAL STAGING AREA
- BARRICADE

SECTION A

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91
DATUM
N.G.V.D. 88

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SUPERVISOR: A. MCMANUS	04/2026				
		NUM.	REVISION	BY	DATE

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MAINTENANCE DIVISION No. 4

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

CONSTRUCTION STAGING PLAN
STAGE 3 – WEST LANE

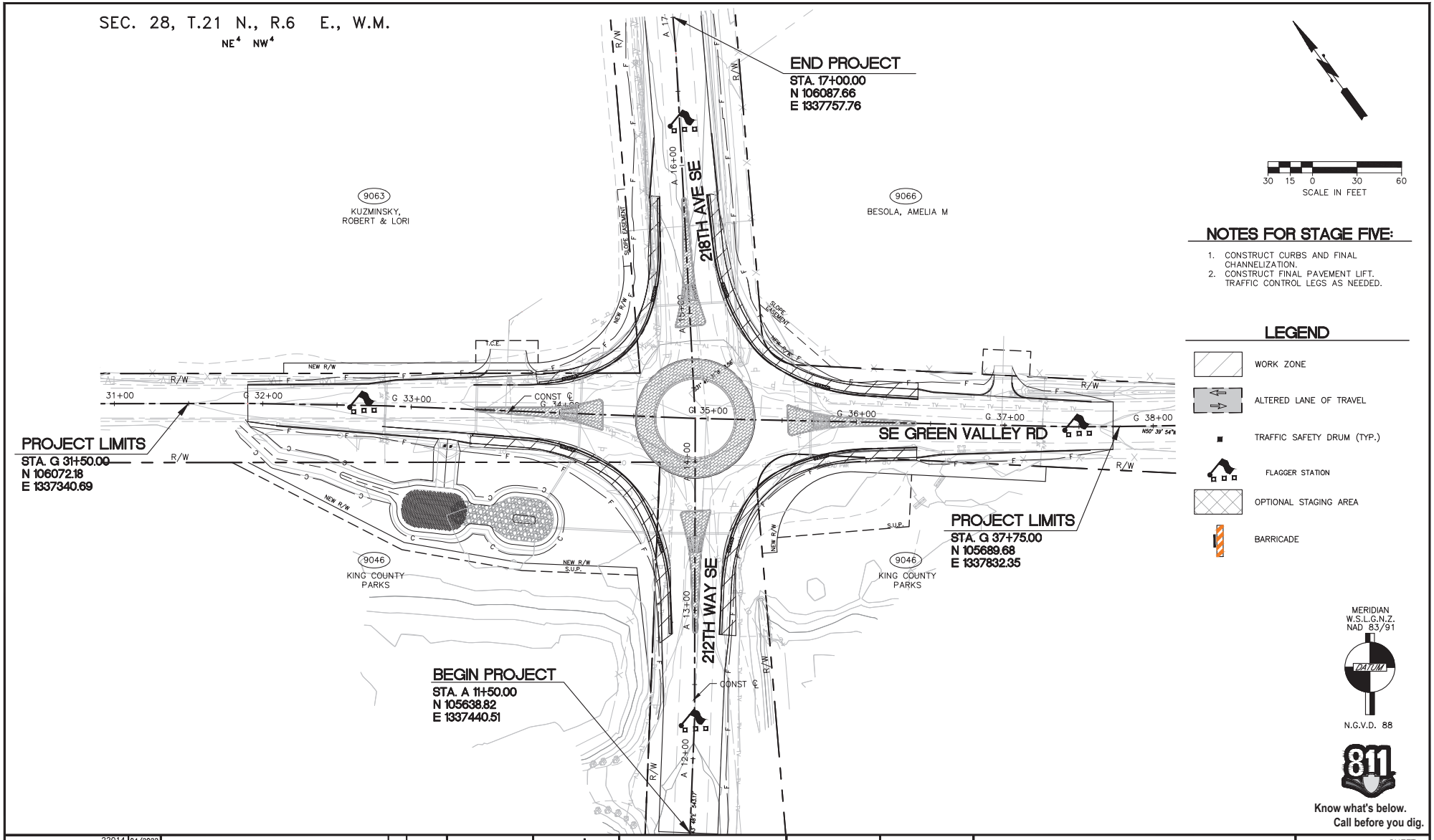
King County

SHEET 39 OF 41 SHEETS

321-22 (39)

SEC. 28, T.21 N., R.6 E., W.M.

NE^4 NW^4



NOTES FOR STAGE FIVE:

1. CONSTRUCT CURBS AND FINAL CHANNELIZATION.
2. CONSTRUCT FINAL PAVEMENT LIFT. TRAFFIC CONTROL LEGS AS NEEDED.

LEGEND

- WORK ZONE
- ALTERED LANE OF TRAVEL
- TRAFFIC SAFETY DRUM (TYP.)
- FLAGGER STATION
- OPTIONAL STAGING AREA
- BARRICADE

MERIDIAN
W.S.L.G.N.Z.
NAD 83/91

DATUM

N.G.V.D. 88

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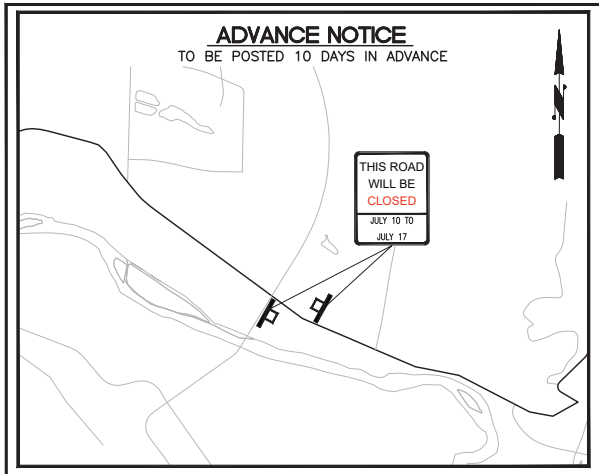
CAD ENTERED: C. KLINGELE	04/2026						SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT
DESIGNED: C. KLINGELE	04/2026					MAINTENANCE DIVISION No. 4	CONSTRUCTION STAGING PLAN STAGE 4
CHECKED: J. LINDERS	04/2026						King County
SUPERVISOR: A. MCMANUS	04/2026						SHEET 40 OF 41 SHEETS
		NUM.	REVISION	BY	DATE		321-22 (40)

ADVANCE NOTICE

TO BE POSTED 10 DAYS IN ADVANCE



SIGN NOTES

1. SIGNS SHALL BE INSTALLED IN COMPLIANCE WITH MUTCD SECTION 2A.16.
2. RETROREFLECTIVITY FOR SIGNS AND BARRICADES SHALL COMPLY WITH MUTCD SECTION 2A.07 & 2A.08.
3. THE CLOSURE WILL NOT BE PERMITTED UNTIL THE PLACEMENT OF SIGNS AND BARRICADES HAS BEEN REVIEWED AND APPROVED BY THE ENGINEER.
4. DATES AND TIMES SHOWN ARE EXAMPLES ONLY. ACTUAL DATES AND TIMES SHALL BE IN ACCORDANCE WITH THE APPROVED CONSTRUCTION SCHEDULE

PORTABLE CHANGEABLE MESSAGE SIGN*
(CAN BE USED IN PLACE OF SPECIAL SIGNS)

TYPE III BARRICADES (3)

48"

THIS ROAD
WILL BE
CLOSED
JULY 10 TO
JULY 17

60"

SPECIAL (2)

72"

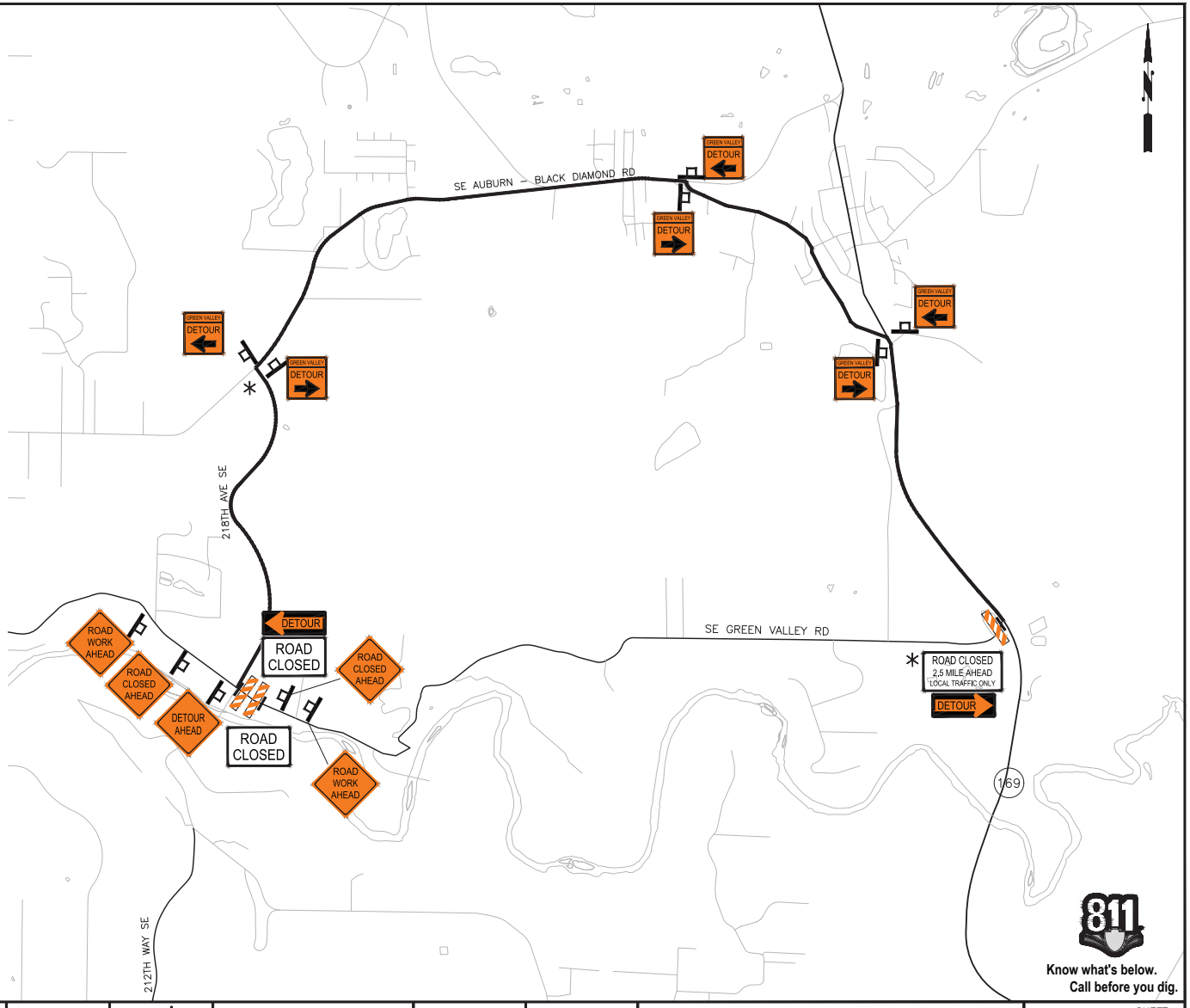
GREEN VALLEY RD
CLOSED
218TH AVE SE
TO 221ST AVE SE
USE ALTERNATE ROUTES

60"

SPECIAL (2)*

SIGN QUANTITIES

W20-1	2
W20-2	1
W20-3	2
R11-2	2
R11-3	1
M4-9L	3
M4-9R	3
M4-10L	1
M4-10R	1



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CAD ENTERED:	C.KLINGELE	--					
DESIGNED:	C.KLINGELE	--					
CHECKED:	D.DOVEY	--					
SUPERVISOR:	K.BROWN	--					
			NUM.	REVISION	BY	DATE	

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FED. AID No.

PROJECT No. 1139145

MAINTENANCE DIVISION No. 4

KEITH P. BROWN
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
56879

KING COUNTY DEPT. OF LOCAL SERVICES
LEON RICHARDSON, DIRECTOR

SE GREEN VALLEY RD AND 218TH AVE SE INTERSECTION IMPROVEMENT

ROAD CLOSURE AND DETOUR PLAN
SE GREEN VALLEY RD – EAST LEG CLOSURE

King County

SHEET 41 OF 41 SHEETS

321-22 (41)

Section I: Buildings

Type (Residential) or Principal Activity (Commercial)	# Units	Square Feet (in thousands of square feet)	Emissions Per Unit or Per Thousand Square Feet (MTCO2e)			**Lifespan Emissions (MTCO2e)**
			Embodied	Energy	Transportation	
Single-Family Home	0		98	672	792	**0**
Multi-Family Unit in Large Building	0		33	357	766	**0**
Multi-Family Unit in Small Building	0		54	681	766	**0**
Mobile Home	0		41	475	709	**0**
Education		0.0	39	646	361	**0**
Food Sales		0.0	39	1,541	282	**0**
Food Service		0.0	39	1,994	561	**0**
Health Care Inpatient		0.0	39	1,938	582	**0**
Health Care Outpatient		0.0	39	737	571	**0**
Lodging		0.0	39	777	117	**0**
Retail (Other Than Mall)		0.0	39	577	247	**0**
Office		0.0	39	723	588	**0**
Public Assembly		0.0	39	733	150	**0**
Public Order and Safety		0.0	39	899	374	**0**
Religious Worship		0.0	39	339	129	**0**
Service		0.0	39	599	266	**0**
Warehouse and Storage		0.0	39	352	181	**0**
Other		0.0	39	1,278	257	**0**
Vacant		0.0	39	162	47	**0**

Section II: Pavement

Pavement		41.02				**2051**

Total Project Emissions: **2051**

Data entry fields

Department of Local Services, Permitting Division
35030 SE Douglas Street, Suite 210
Snoqualmie, WA 98065-9266

206-296-6600
TTY Relay: 711
www.kingcounty.gov