



PUBLIC PROCESS

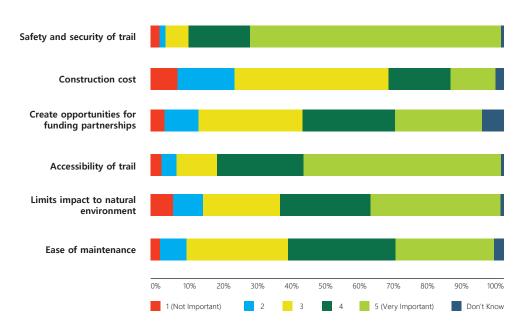
75%

of survey respondents suggest Cushman Trail prioritize a route for recreational use

Your vision for this trail extension



Importance of guiding principles







GUIDING PRINCIPLES

The phase 5 trail extension will building upon the first 4 phases. The trail will maintain a 10' wide paved surface with gravel shoulders, and serve as a non-motorized multi-purpose trail. Final trail design will comply with local adopted standards for a shared use path.

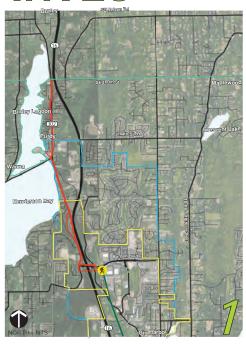
DEFINITIONS

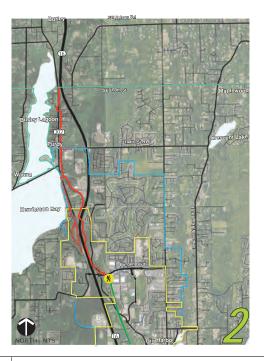
Safety and security of trail	Prioritizes a trail corridor with safe crossings of all roadways and intersections, trail separation from vehicle traffic, open site lines along the trail, numerous entrances and exit points, and minimizes hiding spots.
Accessibility of trail	Prioritizes universal use by all ages and physical abilities by minimizing steep slopes.
Ease of maintenance	Prioritizes limiting long-term maintenance efforts across entirety of the trail through a reduction in the number of off-grade structures (e.g. bridges, tunnels, boardwalks, etc.) and careful material selection; minimizes disruption to partner agency maintenance (i.e. does not negatively impact access to infrastructure such as power lines, culverts, maintained ditches, etc.), lessens new and out of the way territory for maintenance crews.
Limits impact to natural environment	Prioritizes a route which minimizes tree removals, wetland impacts, and habitat disruption during– and post–construction.
Construction Cost	Prioritizes a route with the lowest up-front construction costs by minimizing the number of off–grade structures along the trail, utilizing existing pavement, and minimizing the need to purchase additional right of way.
Create opportunities for funding partnerships	Prioritizes routes with the highest potential to receive outside funding from grants and partnership opportunities with other organizations and agencies, and tailoring trail/offshoots to better align with funding sources. Many grant opportunities will also require the trail to meet federal standards (in addition to local adopted standards).
Connections to waypoints and major destinations	Prioritizes routes that connect to identified waypoints. Waypoints include Purdy, St. Anthony Hospital, businesses, Peninsula High School, Purdy Elementary School, transit stops, other communities, and connections to existing trails and/or routes to the north.
Trails proximity to nature	Prioritizes a route in close proximity to nature where families, walkers, recreational bicyclists, and alternative wheeled transportations can use the trail for exercise, enjoyment of the outdoors, views, and scenic journeys away from loud roads.

CUSHMAN TRAIL PHASE V PLANNING STUDY ALTERNATIVES









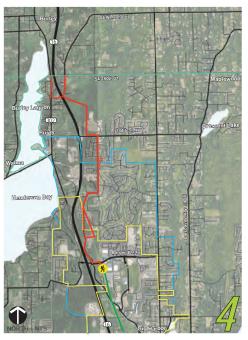


PRINCIPLES	Safety and security of trail		mostly along roadway corridors but lots of opportunity to get on / off the trail; safety concerns with roundabout intersections	4	partially separated from roadway corridors, some ability to get on/off the trail	4	mostly separated from roadway corridors, less ability to get on/off the trail
GUIDING PRINC	Accessibility of trail	4	least topography, but further from residential areas	4	some topography, but still not very connected to residential areas	4	some topography, partially connected to residential areas
	Ease of maintenance	44	close to roadway for access, lots of 'eyes on trail' to discourage vandalism, etc.	44	close to roadway for easy access, some 'eyes on trail' to discourage vandalism, etc.	4	most restrictive access, limited 'eyes on trail' to discourage vandalism, etc.
	Limits impacts to natural environment		limited tree removal with route along roadway corridor	4	some tree removal where trail separated from roadway corridor	4	most tree removal with greatest separation of the trail from roadway corridor
	Construction cost	4	needs major structures and improvements to cross SR16		needs major structures and improvements to cross SR16	4	minimizes structures needed but difficult slope adjacent to SR16
	Create opportunities for funding partnerships	4	close to urban center / future development area but not near residential areas and not connected to St. Anthony's Hospital	4	close to urban center / future development area but not near residential areas and not connected to St. Anthony's Hospital	44	connects to St. Anthony's Hospital and potential for connection to urban center / future development area
	Connections to waypoints and major destinations	4	connects to 1 waypoint	4	connects to 2 waypoint	4	connects to 3 waypoint
	Trails proximity to nature	4	potential views to the bay	4	potential views to the bay	44	open space along the power line corridor and potential views to the bay

CUSHMAN TRAIL PHASE V PLANNING STUDY ALTERNATIVES





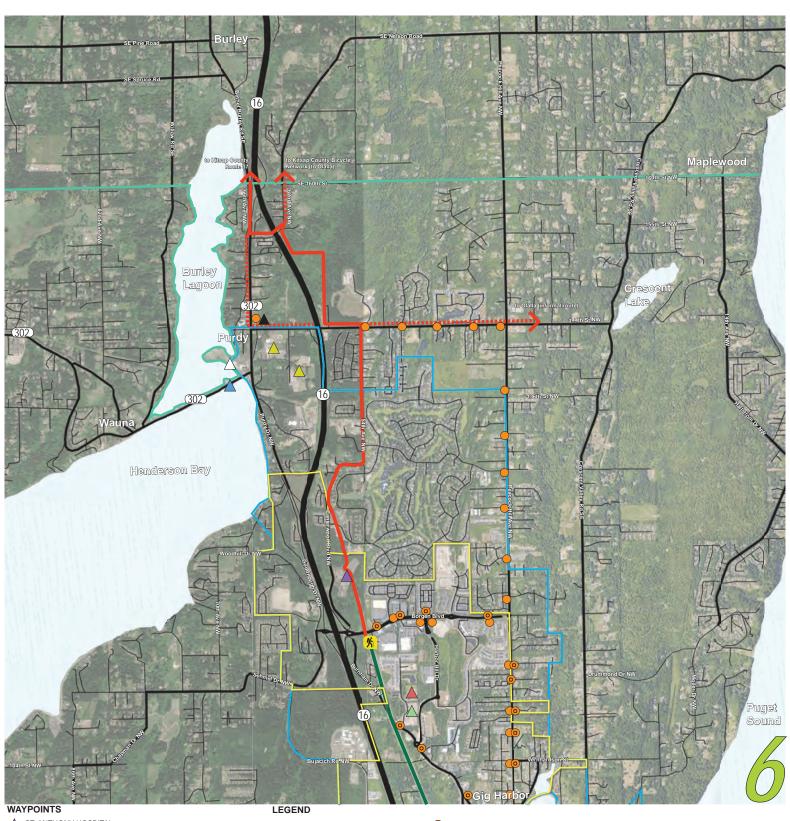






PRINCIPLES	Safety and security of trail	4	partially separated from roadway corridors, some ability to get on/off the trail	4	mostly along roadway corridors but lots of opportunity to get on / off the trail	44	mostly separated from roadway corridors, minimizes crossings
GUIDING PRINC	Accessibility of trail	4	more topography, more connected to residential areas		most topography, partially connected to residential areas but leads to more isolated, rural area	4	some topography, greatest connection to residential areas
	Ease of maintenance	4	some restricted access, moderate 'eyes on trail' to discourage vandalism, etc.		close to roadway for easy access, further away from urban areas, limited 'eyes on trail' to discourage vandalism, etc.	4	most restrictive access, limited 'eyes on trail' to discourage vandalism, etc.
	Limits impacts to natural environment	4	some tree removal where trail separated from roadway corridor	44	limited tree removal with route along roadway corridor	4	some tree removal where trail separated from roadway corridor
	Construction cost	44	least structures needed	4	minimizes structures needed but difficult slope along Peacock Hill Ave NW	44	least structures needed
	Create opportunities for funding partnerships	4	connects to St. Anthony's Hospital but misses potential future development area at Purdy		not connected to St. Anthony's Hospital or potential future development area at Purdy	44	greatest connection between residential areas, St. Anthony's Hospital and potential future development area at Purdy
	Connections to waypoints and major destinations	4	connects to 1 waypoint		connects to 1 waypoint	44	connects to 3 waypoint
	Trails proximity to nature	4	forested area near the transfer station	44	more rural, forested roadway corridor and connection to Olalla area	44	open space along the powerline corridor and near the transfer station

PREFERRED ALTERNATIVE



- A ST. ANTHONY HOSPITAL
- HWY 302 CROSSING AT BURLEY LAGOON
- FUTURE ATHLETIC COMPLEX
- PENINSULA HIGH SCHOOL / PURDY ELEMENTARY SCHOOL
- ▲ PURDY PARK-N-RIDE

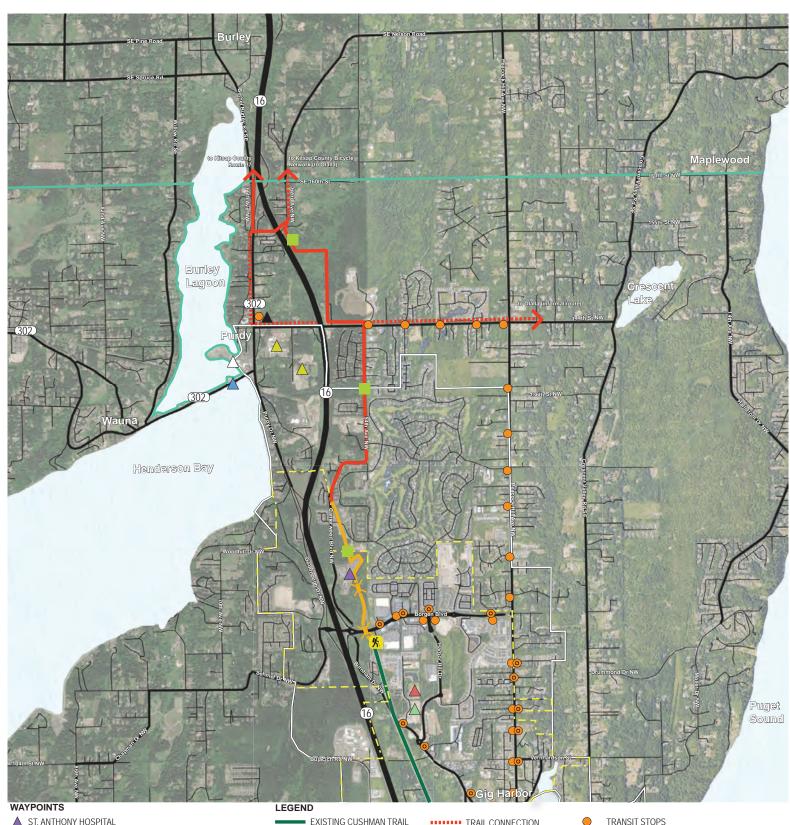
- EXISTING CUSHMAN TRAIL
- PROPOSED CUSHMAN TRAIL
- TRAIL CONNECTION
 - URBAN GROWTH BOUNDARY
 - GIG HARBOR CITY LIMITS
- COUNTY LINE
- TRANSIT STOPS
- SEASONAL TROLLEY STOPS
- TRAIL HEAD







CUSHMAN TRAIL PHASE V PLANNING STUDY FINAL ALIGNMENT



ST. ANTHONY HOSPITAL

HWY 302 CROSSING AT BURLEY LAGOON

FUTURE ATHLETIC COMPLEX

PENINSULA HIGH SCHOOL / PURDY ELEMENTARY SCHOOL

▲ PURDY PARK-N-RIDE

EXISTING CUSHMAN TRAIL

1ST MILE OF PREFERRED ALIGNMENT UNDER PRELIMINARY ENGINEERING

PREFERRED ALIGNMENT TO BE ENGINEERED

****** TRAIL CONNECTION

□ URBAN GROWTH BOUNDARY

GIG HARBOR CITY LIMITS COUNTY LINE

TRANSIT STOPS

SEASONAL TROLLEY STOPS

EXISTING TRAIL HEAD

POTENTIAL RESTAREA

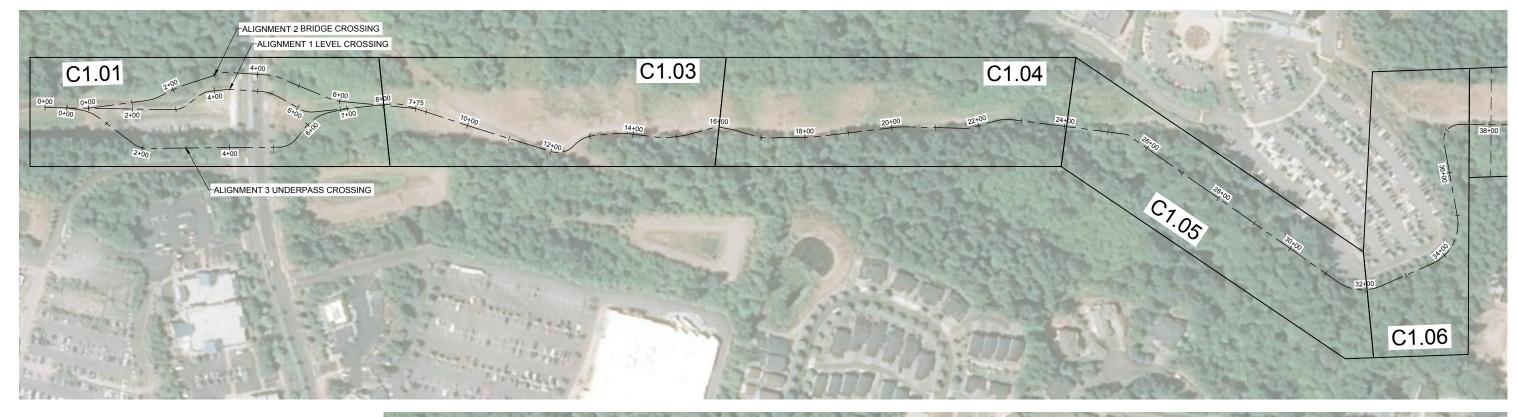
LOCATIONS

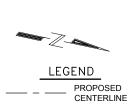


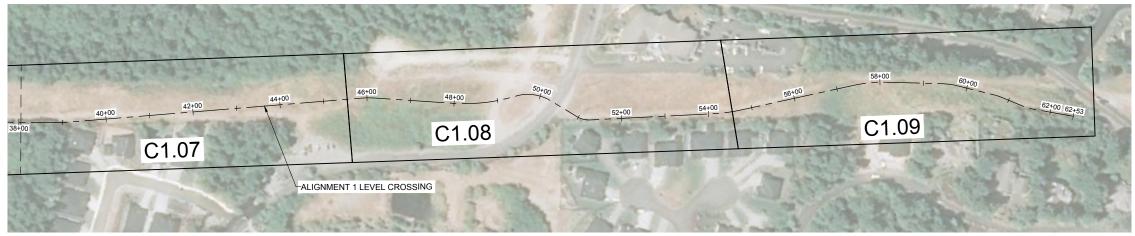


CITY OF GIG HARBOR CUSHMAN TRAIL PHASE V PLANNING STUDY

FIRST-MILE CONCEPT DRAWINGS - NOVEMBER 2019









KEY MAP

CONCEPT- NOT FOR CONSTRUCTION

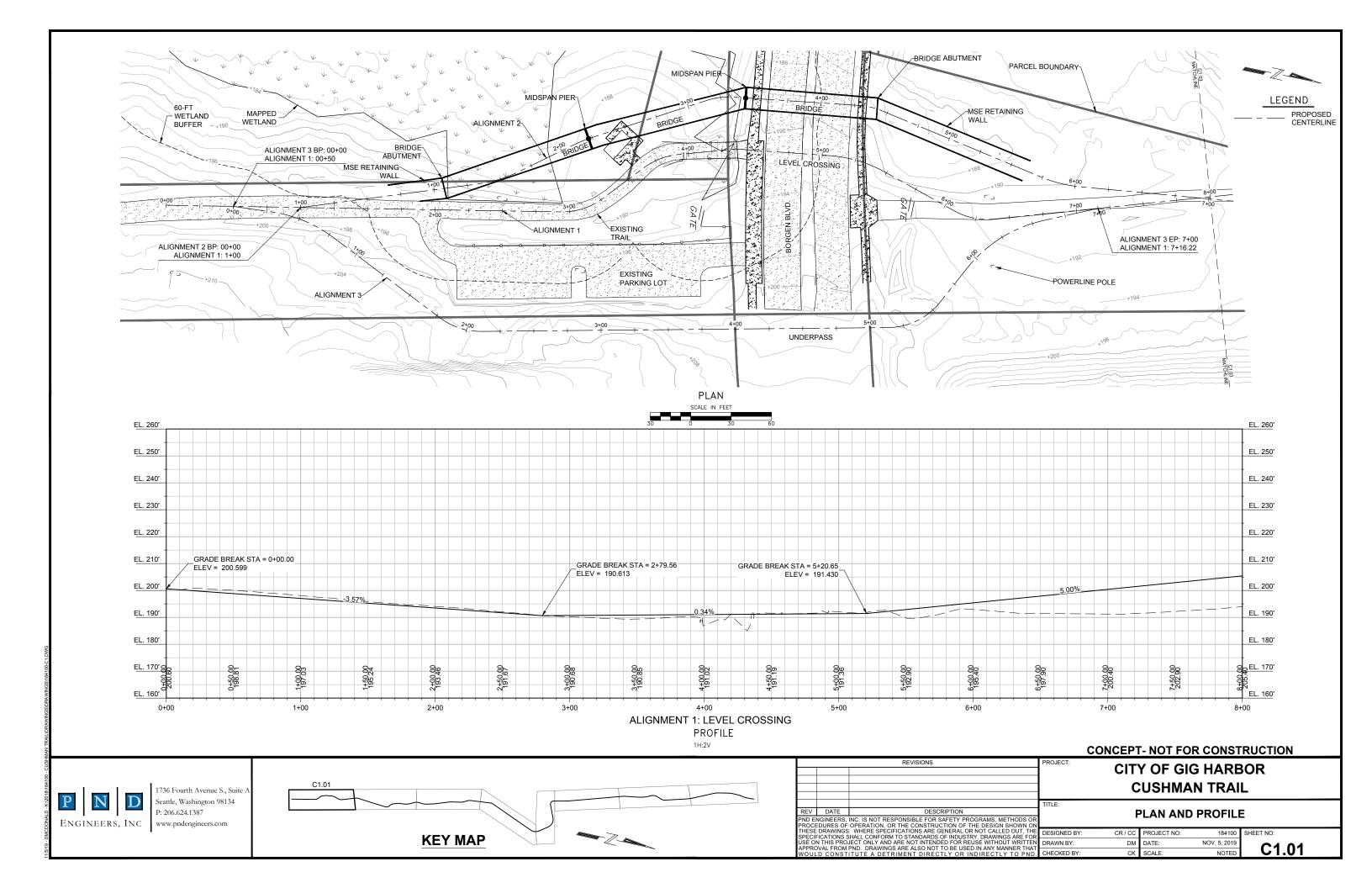
CITY OF GIG HARBOR CUSHMAN TRAIL

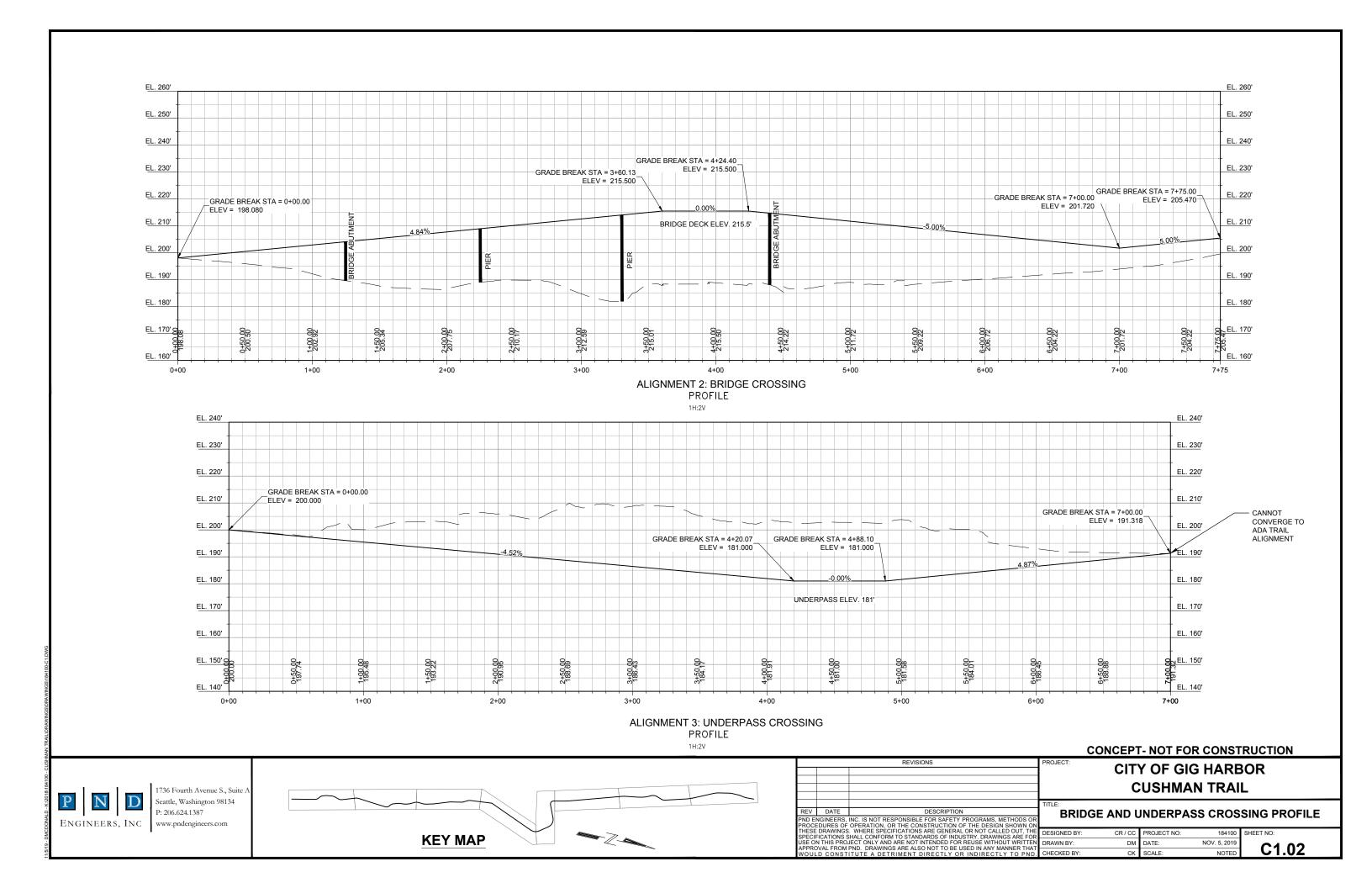
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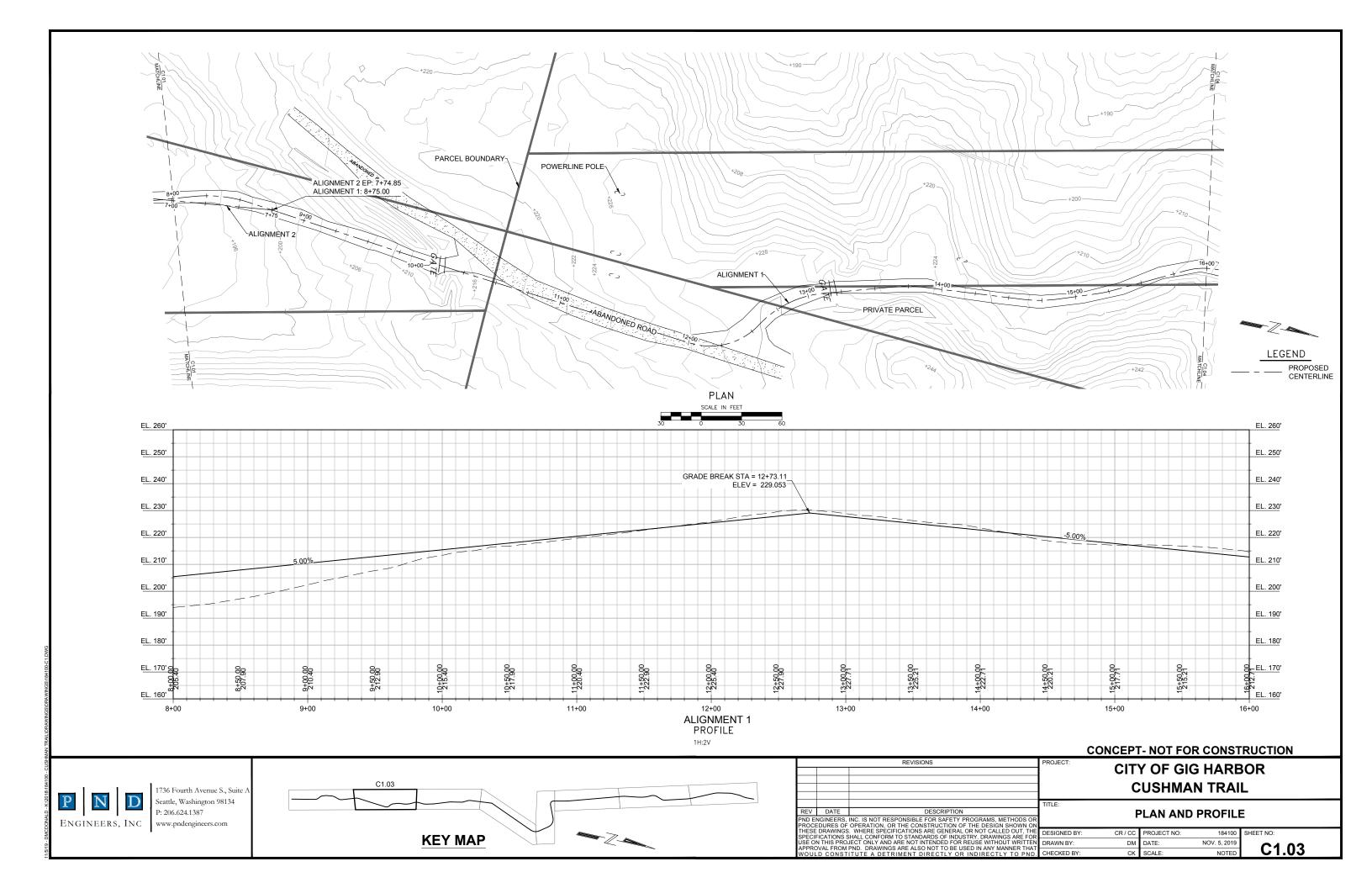
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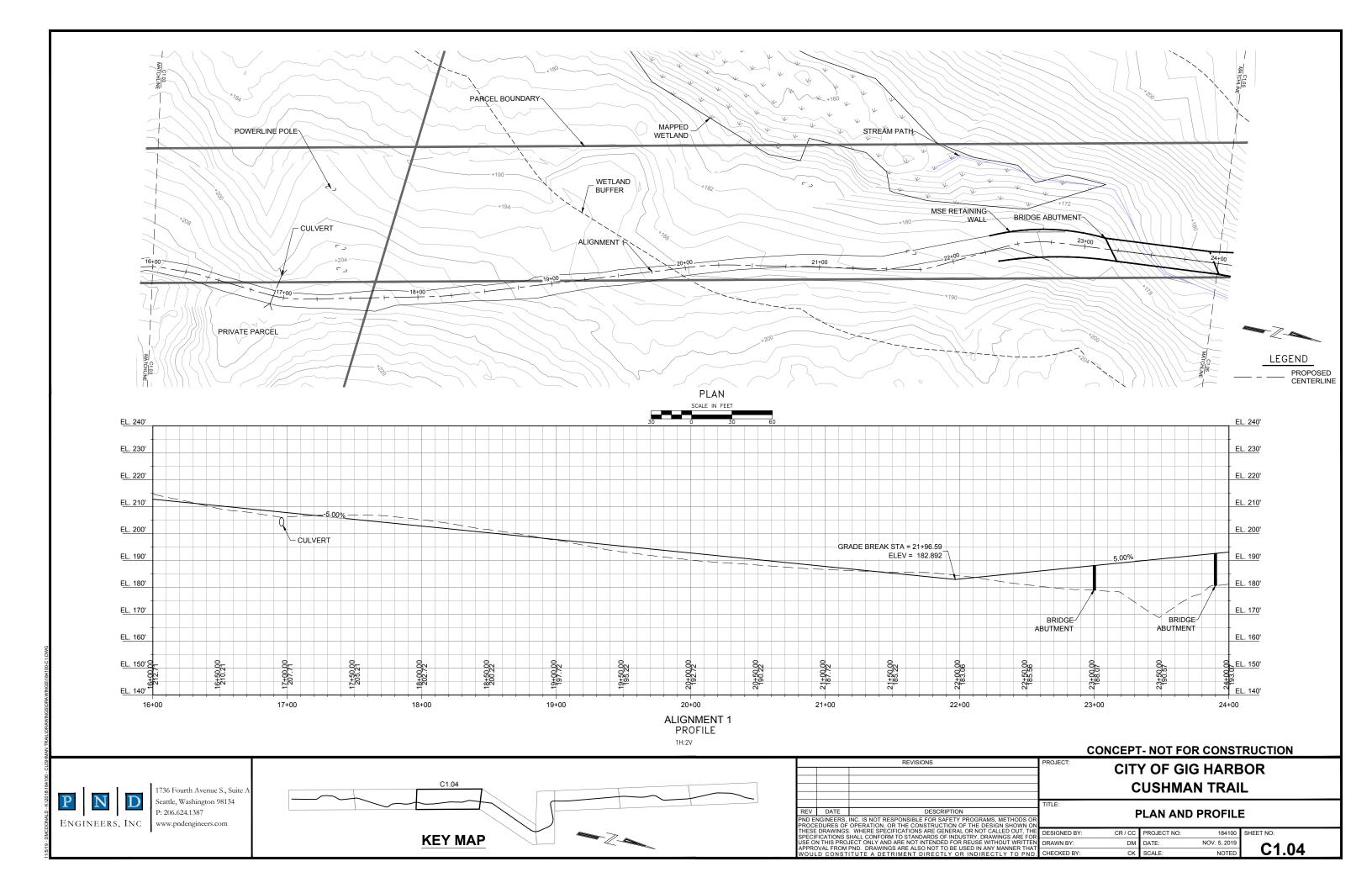
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DRAWN BY:	DM	DATE:	NOV. 5, 2019	
CHECKED BY:	СК	SCALE:	NOTED	

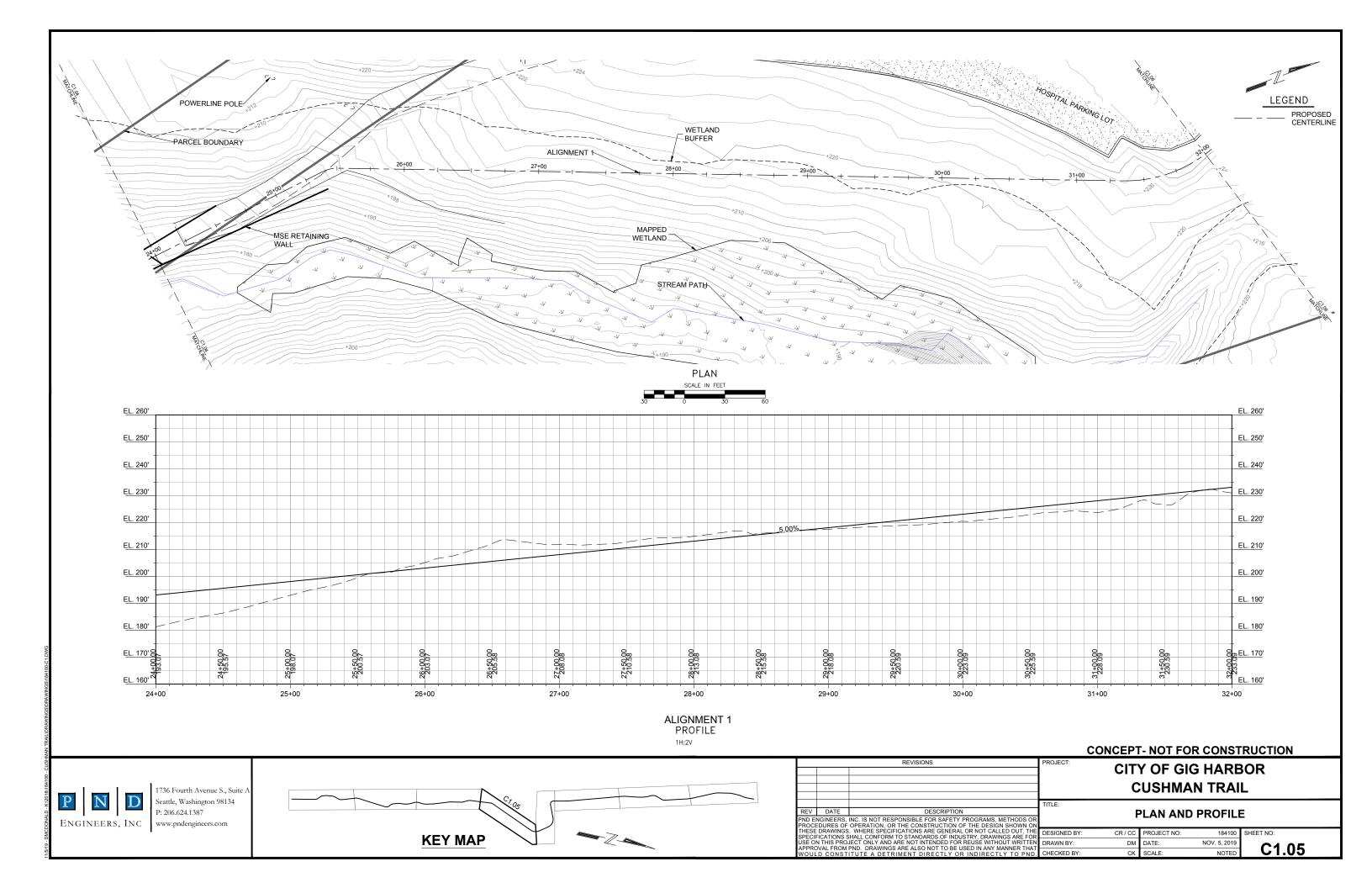
P N D Seattle, Washington 98134 P: 206.624.1387 www.pndengineers.com

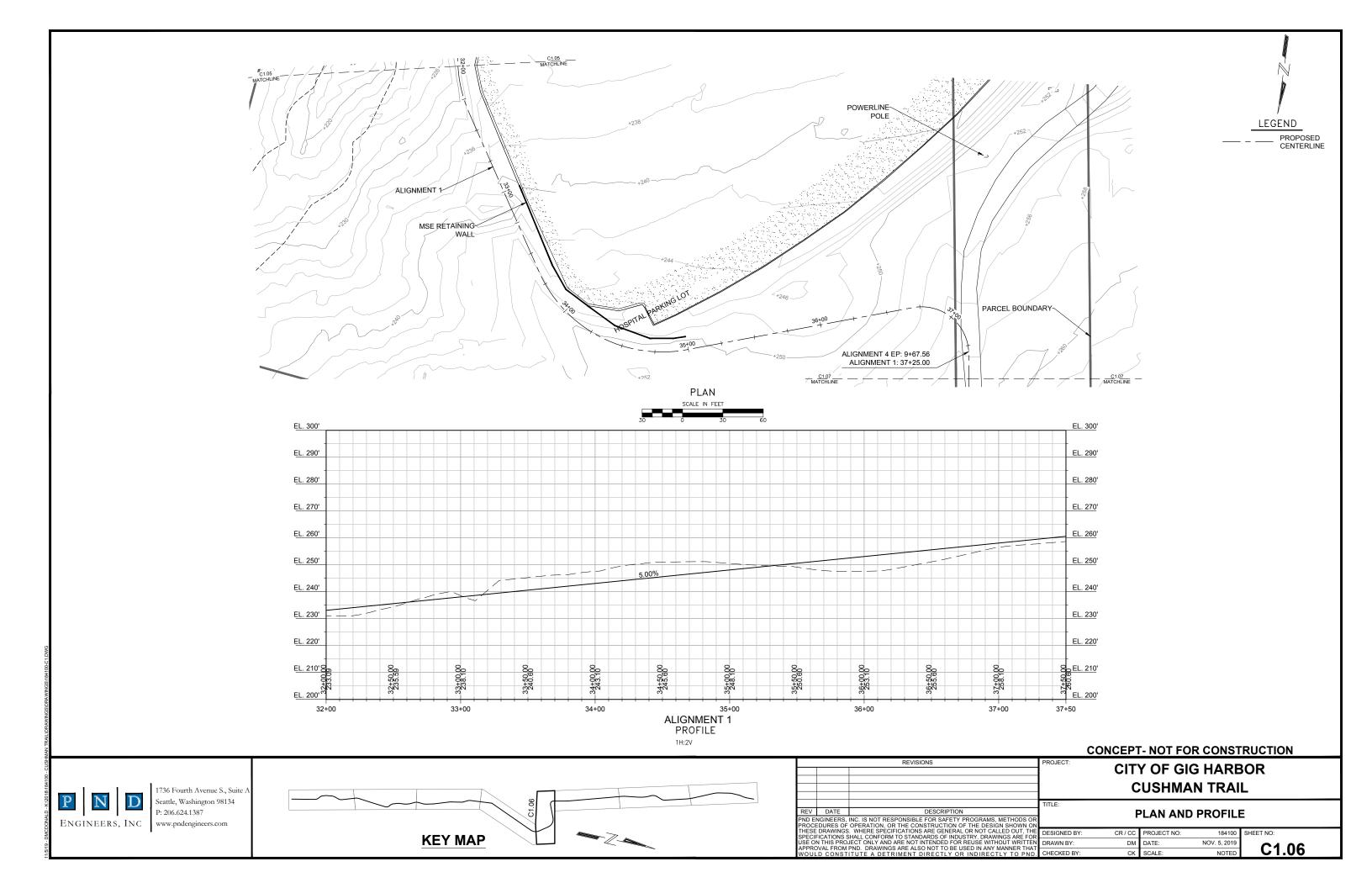


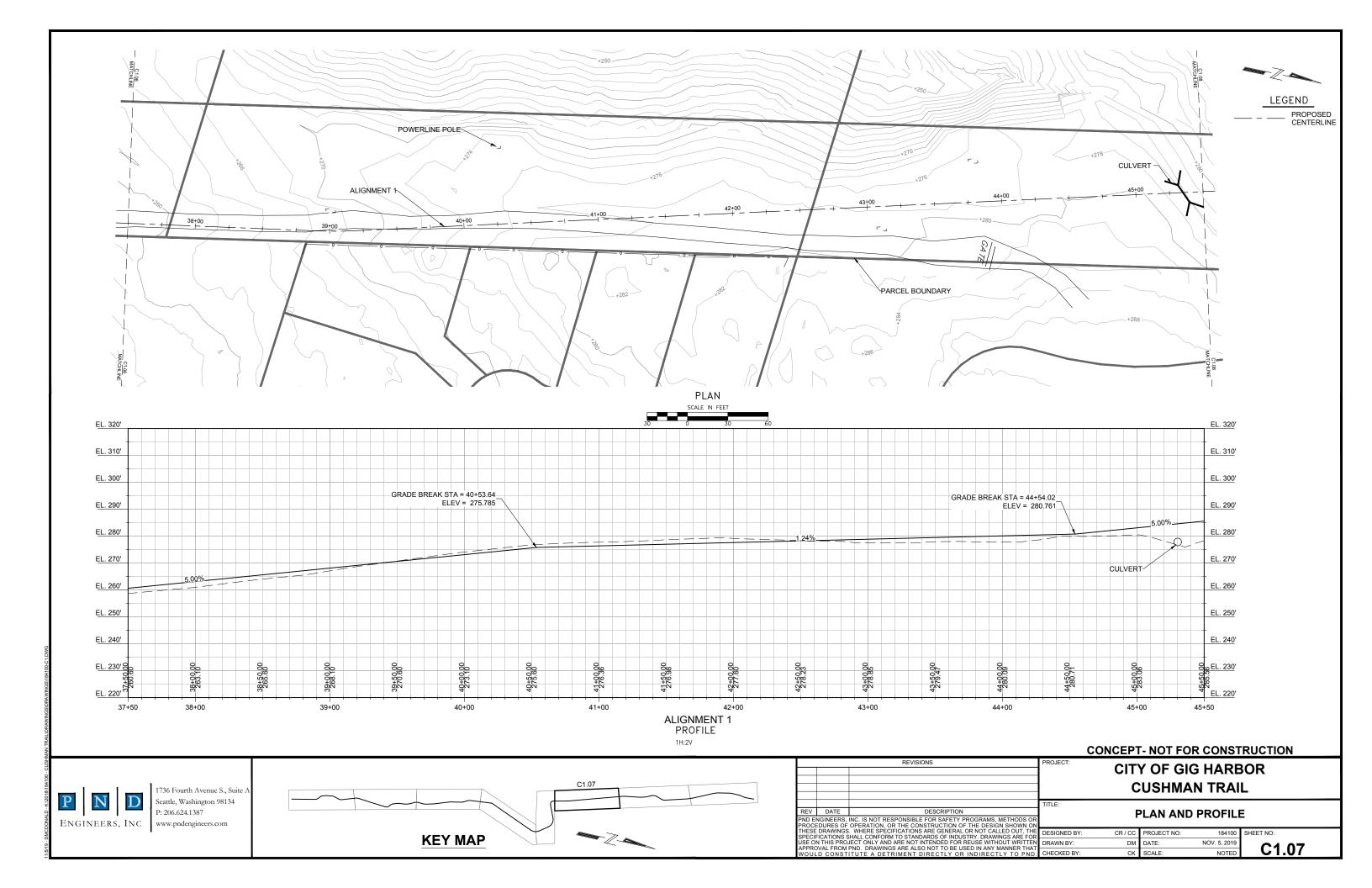


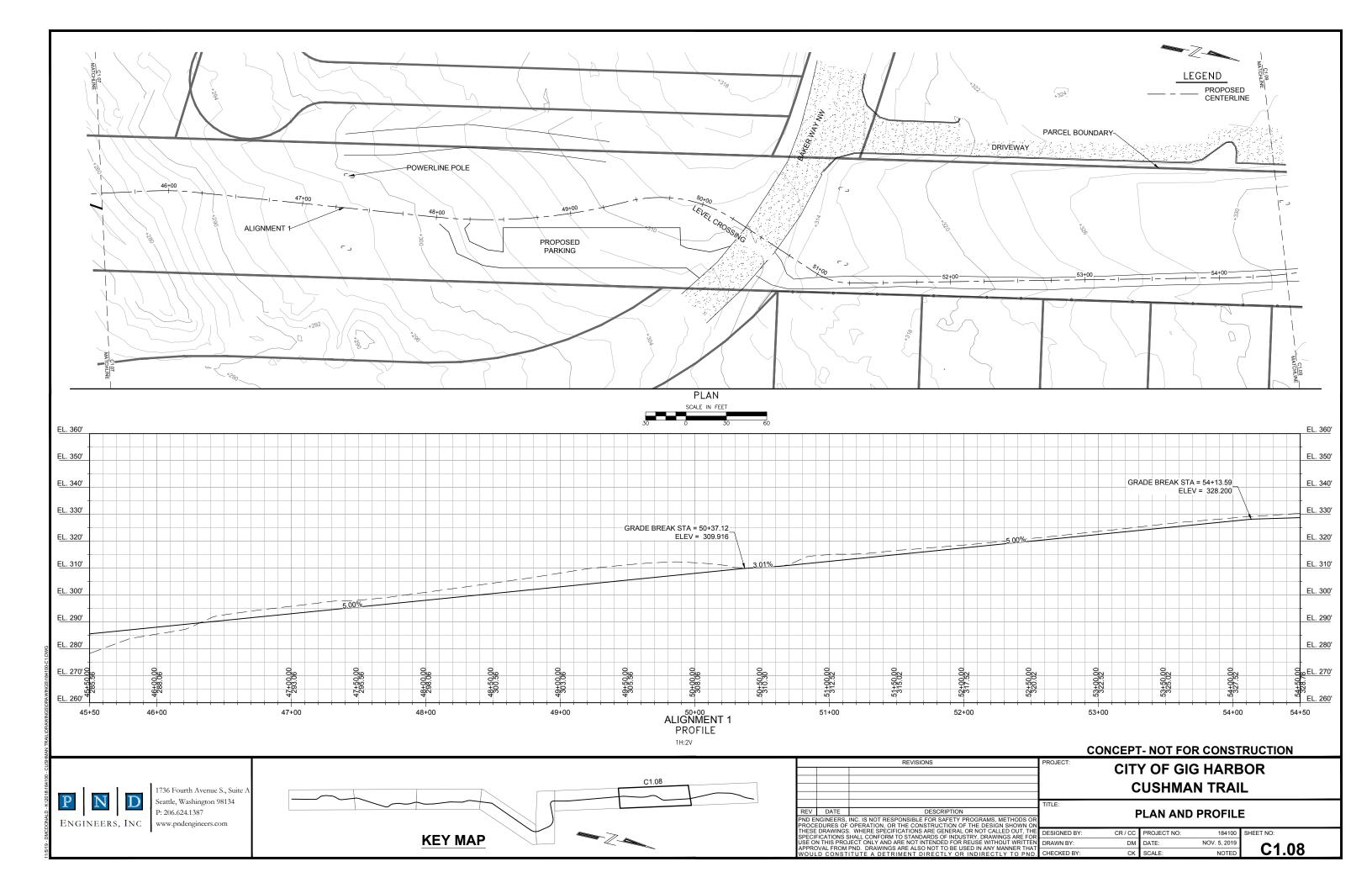


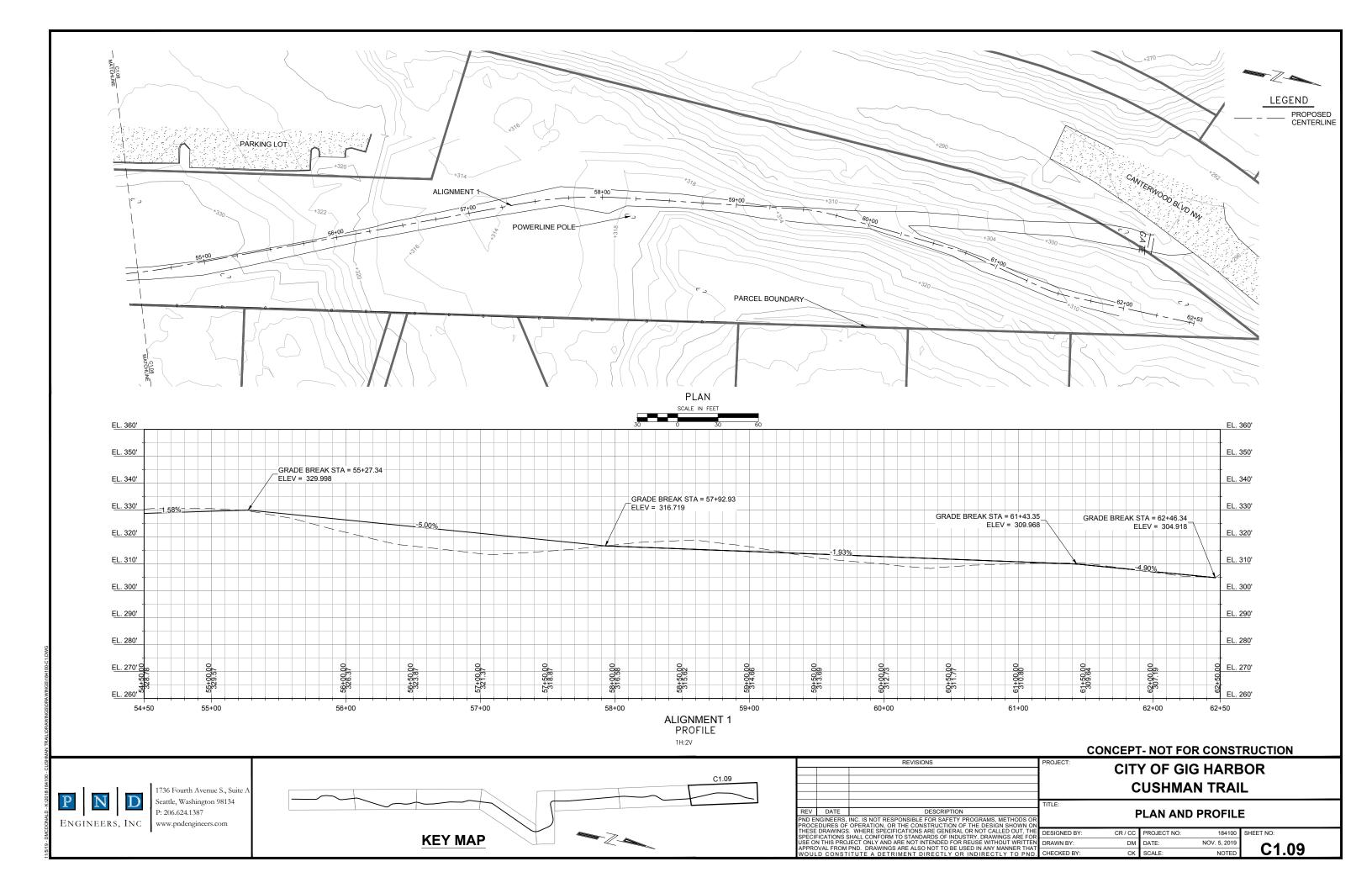


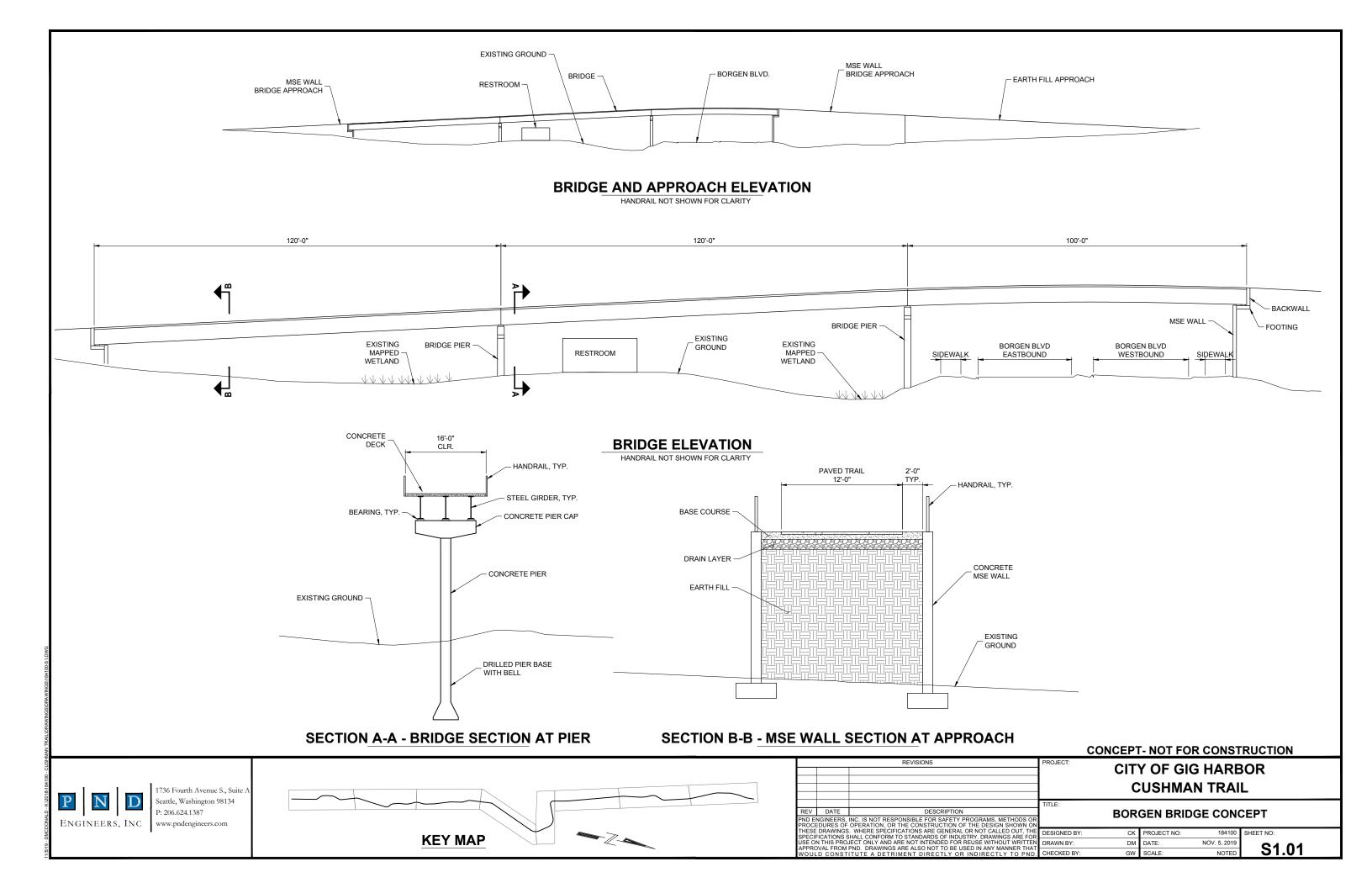


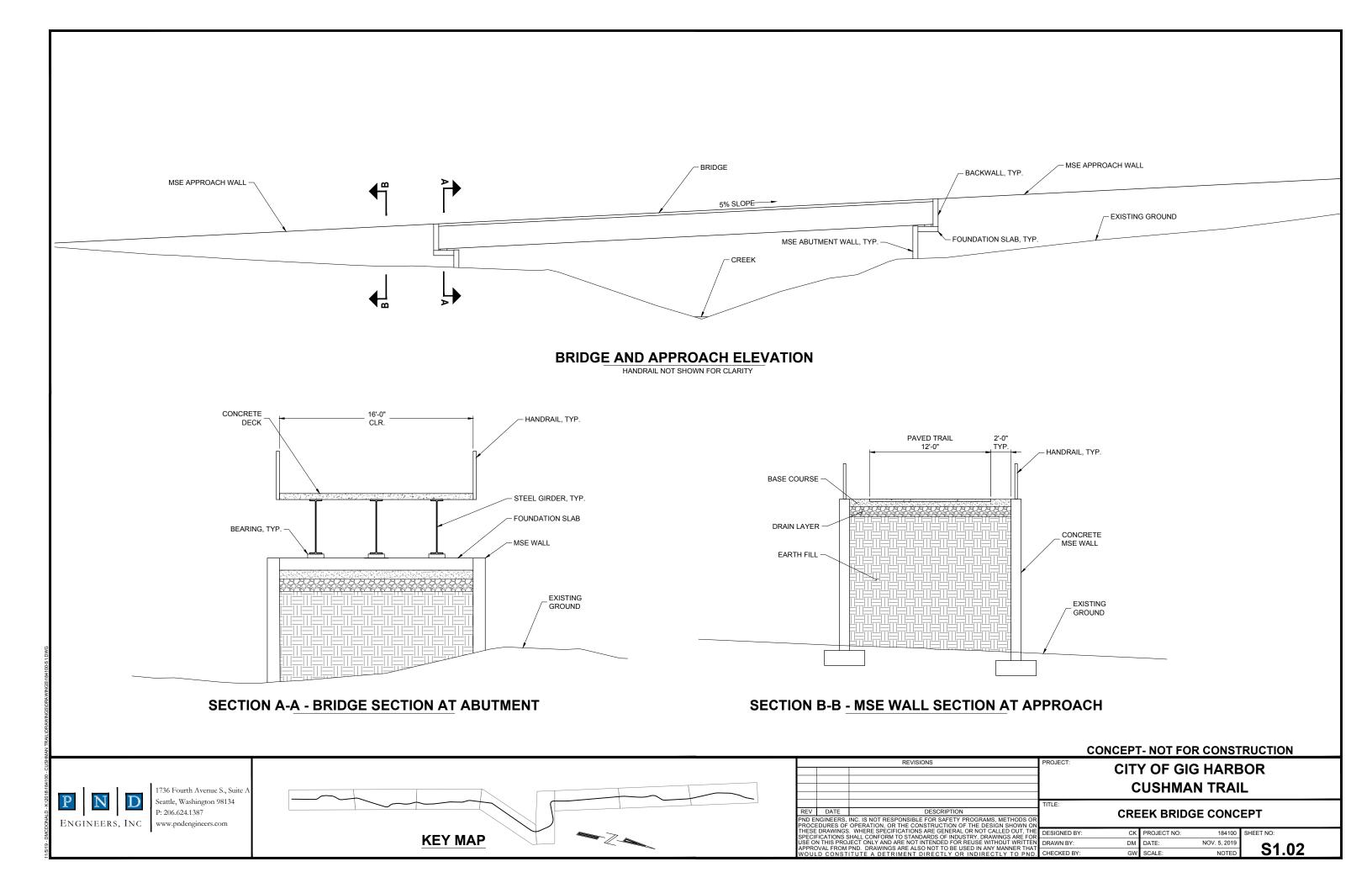














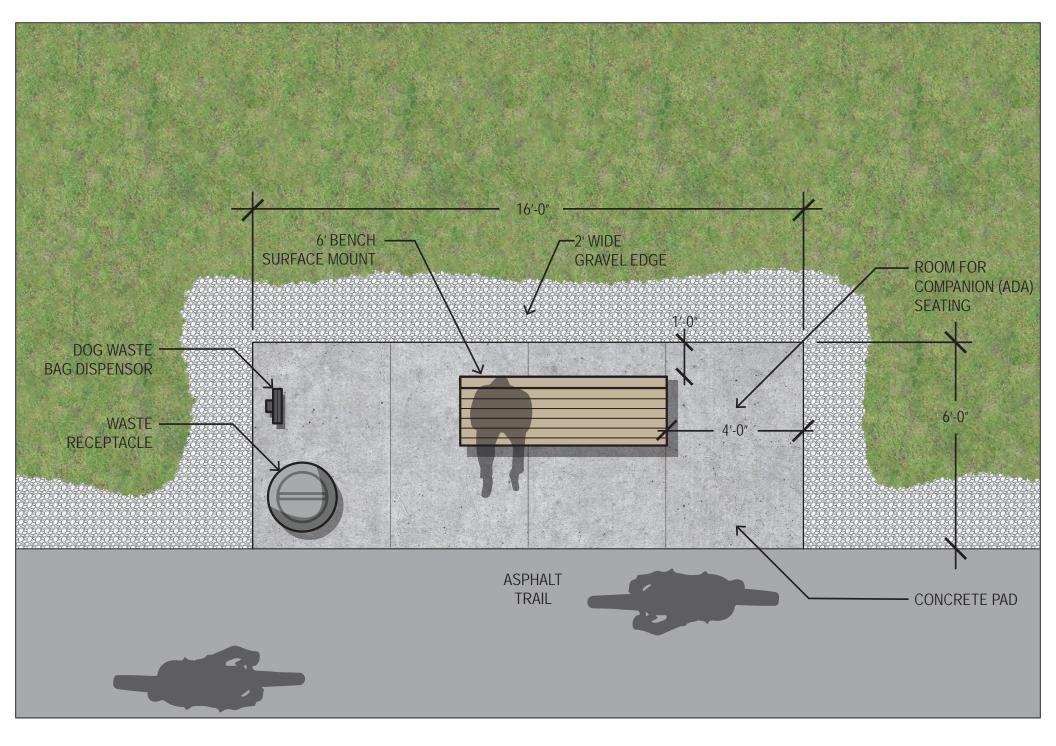
CUSHMAN TRAIL PHASE V PLANNING STUDY

PROPOSED BORGEN BLVD CROSSING - LOOKING EAST

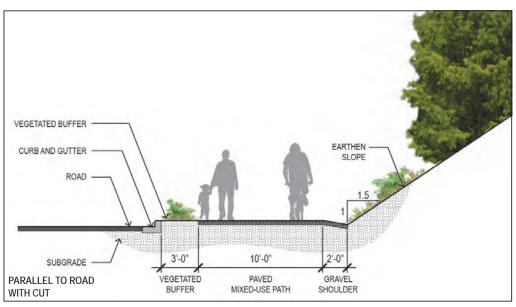


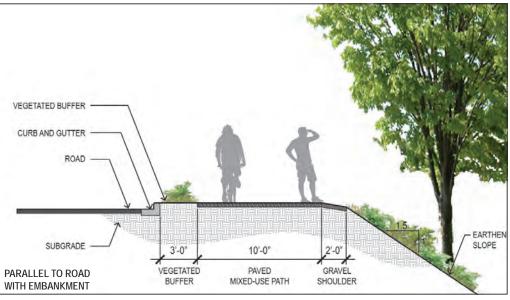
CUSHMAN TRAIL PHASE V PLANNING STUDY

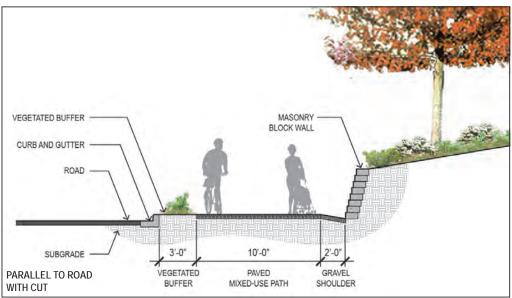
PROPOSED BORGEN BLVD CROSSING - LOOKING NORTH

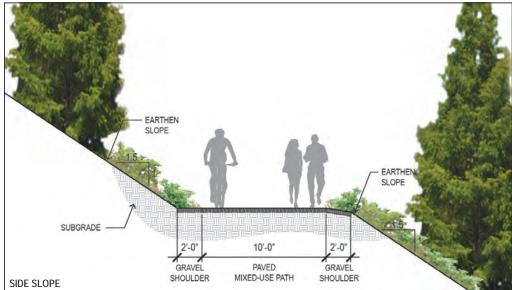


TYPICAL REST AREA









CUSHMAN TRAIL PHASE V PLANNING STUDY

TRAIL SECTIONS

Cushman Trail Phase V Planning Study First Mile Cost Analysis – Engineer's Estimate

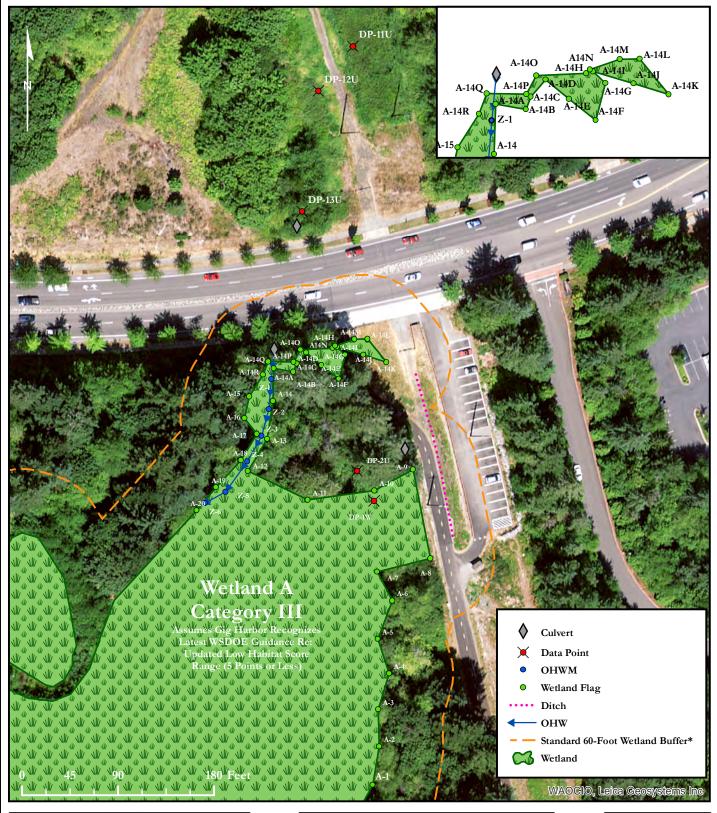
Option 1 – Trail + Borgen Bridge	Estimate:	\$6,766,000
 Mixed-use trail from Borgen Blvd. to Canterwood Blvd. 12-foot wide asphalt pavement with 2-foot gravel shoulders Multi-span bridge structure crossing Borgen Blvd. Grades throughout meet ADA accessibility requirements 	15% Contingency: Total:	\$970,000 \$7,736,000
Option 2 – Trail + Borgen Level Crossing • Mixed-use trail from Borgen Blvd. to Canterwood Blvd.	Estimate:	\$3,046,000
 12-foot wide asphalt pavement with 2-foot gravel shoulders Level RRFB crossing at Borgen Blvd. Grades throughout meet ADA accessibility requirements 	15% Contingency: Total:	\$412,000 \$3,458,000







CUSHMAN TRAIL PHASE V - WETLAND A (FOR SURVEY)





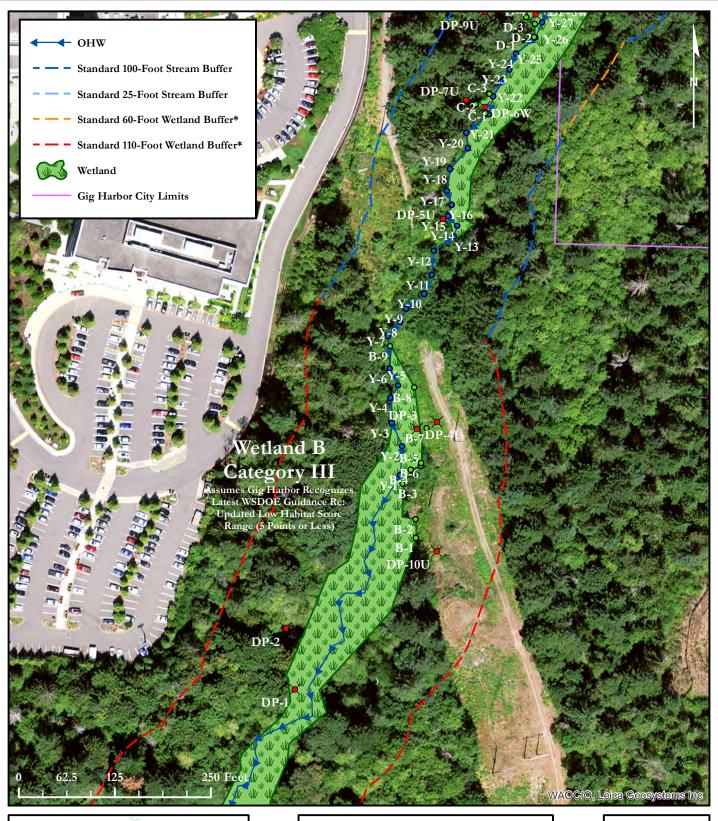
2907 Harborview Dr., Suite D, Gig Harbor, WA 98335 Phone: (253) 514-8952 Fax: (253) 514-8954 www.soundviewconsultants.com

CUSHMAN TRAIL

ADJACENT TO: 11400 51ST NW GIG HARBOR, WA 98332

DATE: 10/25/2019
JOB: 1823.0001
BY: DLS
SCALE: 1 " = 90 '
FIGURE NO. 1 of 4

CUSHMAN TRAIL PHASE V - WETLAND B (FOR SURVEY)





2907 Harborview Dr., Suite D, Gig Harbor, WA 98335 Phone: (253) 514-8952 Fax: (253) 514-8954 www.soundviewconsultants.com

CUSHMAN TRAIL

ADJACENT TO: 11400 51ST NW GIG HARBOR, WA 98332 DATE: 10/25/2019 JOB: 1823.0001 BY: DLS

SCALE: 1 " = 125 '

FIGURE NO. 2 of 4

CUSHMAN TRAIL PHASE V - WETLAND C/D (FOR SURVEY)





2907 Harborview Dr., Suite D, Gig Harbor, WA 98335 Phone: (253) 514-8952 Fax: (253) 514-8954 www.soundviewconsultants.com

CUSHMAN TRAIL

ADJACENT TO: 11400 51ST NW GIG HARBOR, WA 98332

DATE: 10/25/2019			
ЈОВ: 1823.0001			
BY: DLS			
SCALE: 1 " = 125 '			

FIGURE NO. 3 of 4

CUSHMAN TRAIL PHASE V - WETLAND E (FOR SURVEY)





2907 Harborview Dr., Suite D, Gig Harbor, WA 98335 Phone: (253) 514-8952 Fax: (253) 514-8954 www.soundviewconsultants.com

CUSHMAN TRAIL

ADJACENT TO: 11400 51ST NW GIG HARBOR, WA 98332 DATE: 10/25/2019 JOB: 1823.0001

BY: DLS

SCALE: 1 " = 20 '

FIGURE NO. 4 of 4