



# 20

# COMMUNITY MITIGATION FUND

## APPENDIX H

### *Transportation Construction Project(s) ("TCP")* *BD-20-1068-1068C-1068L-46130*

*Please complete the entire Application.*

City of Everett

**1. NAME OF MUNICIPALITY/GOVERNMENT ENTITY/DISTRICT**

Northern Strand Community Trail Extension

**2. PROJECT NAME (LIMIT 10 WORDS)**

Extension of the Northern Strand Community Trail to the Mystic River.

**3. BRIEF PROJECT DESCRIPTION (LIMIT 50 WORDS)**

Tony Sousa - Executive Director of Planning and Development

**4. NAME AND TITLE OF INDIVIDUAL AUTHORIZED TO COMMIT FUNDS ON BEHALF OF MUNICIPALITY/GOVERNMENTAL ENTITY**

484 Broadway, Room 25, Everett, MA 02149

**5. ADDRESS OF INDIVIDUAL AUTHORIZED TO COMMIT FUNDS ON BEHALF OF MUNICIPALITY/GOVERNMENTAL ENTITY**

617-394-2245, tony.sousa@ci.everett.ma.us

**6. PHONE # AND EMAIL ADDRESS OF INDIVIDUAL AUTHORIZED TO COMMIT FUNDS ON BEHALF OF MUNICIPALITY/GOVERNMENTAL ENTITY**

Jay Monty: Transportation Planner - City of Everett, Massachusetts

**7. NAME AND TITLE OF CONTRACT MANAGER RESPONSIBLE FOR HANDLING OF FUNDS ON BEHALF OF MUNICIPALITY/GOVERNMENTAL ENTITY**

484 Broadway, Room 25, Everett, MA 02149

**8. ADDRESS OF CONTRACT MANAGER RESPONSIBLE FOR HANDLING OF FUNDS ON BEHALF OF MUNICIPALITY/GOVERNMENTAL ENTITY**

617-544-6033, jay.monty@ci.everett.ma.us

**9. PHONE # AND EMAIL ADDRESS OF CONTRACT MANAGER ON BEHALF OF MUNICIPALITY/GOVERNMENTAL ENTITY**

Encore Boston Harbor

**10. NAME OF GAMING LICENSEE**

**1. IMPACT DESCRIPTION**

**Please describe in detail the impact or potential impact that is attributed to the operation of a gaming facility that may be remediated by the proposed Transportation Construction Project (TCP). Please provide support for the determination that the operation of the gaming facility caused, is causing or otherwise may cause the impact.**

The increase in vehicle and truck traffic on Lower Broadway attributed, in part, to the casino conflicts with the growing number of cyclists using the corridor. Limited right-of-way prevents the expansion of bicycle facilities beyond the current 4' bicycle lane. In addition, Sweetser Circle, a major intersection for vehicles connecting Lower and Upper Broadway with Main Street and connections to Medford and Malden, is constrained by right-of-way and not capable of formally accommodating bicycles. The speed and volume of traffic in addition to these busy intersections and traffic circles creates an environment that is dangerous to cyclists and pedestrians. This has been recognized by the Commission through previously grant awards for the design of this project.

**2. PROPOSED USE OF TRANSPORTATION CONSTRUCTION PROJECT(S) FUNDS (Please attach additional sheets/supplemental materials if necessary.)**

**a) Please describe how you propose to use the Transportation Construction Project(s) for transportation projects related to the gaming facility.**

This project will involve the construction of an extension of the Northern Strand Community Path from its current terminus at West and Wellington Street in Everett (just north of the Revere Beach Parkway) to the Mystic River where it will connect to existing and planned DCR pathways as well as a future connection across the Mystic River to the MBTA station at Assembly Row. The extension will provide a safe walking/biking passage from the casino to Gateway Shopping Center and city limits of Boston.

**b) Please describe how the mitigation request will address the impact indicated.**

The increase in vehicular traffic caused by the casino has primarily impacted the bicyclists and pedestrians in the area. The Community Trail extension will mitigate the impact by providing a safe alternate route for bicyclists/pedestrians to an otherwise high traffic and low bicycle level of comfort route.

Lower Broadway has been increasingly considered to be of low comfort to bicyclists/pedestrians due to a large number of trucks and heavy volumes of traffic that make biking/walking extremely inconvenient and dangerous.

### **3. CONNECTION TO GAMING FACILITY**

**Please provide specificity/evidence that the requested funds will be used to address issues or impacts directly related to the gaming facility.**

The Broadway corridor and Northern Strand Trail have seen significant increases in ridership over the past several years. Ridership on Broadway increased 150% from 2017 to 2020 based on traffic monitoring performed by Encore Boston Harbor as part of their MEPA requirements. While there are numerous factors leading to this increase, the opening of the resort is, without a doubt, one of them. Two new bike sharing stations installed adjacent to the resort were, in 2019, among the top 25<sup>th</sup> percentile of Bluebikes stations in terms of ridership across the Boston region. The City is excited by the increased interest and usage of this mode; however, further investment in cycling infrastructure is still needed, and the extension of the Northern Strand Trail is a critical component of this needed investment.

### **4. BUDGET & TIMELINE**

**a) Please identify the amount of funding requested. Please provide a detailed scope and budget for the use of funds.**

The planned budget documents are attached as an appendix to this document.

**b) Please provide documentation (e.g. - invoices, proposals, estimates, etc.) adequate for the Commission to ensure that the funds will be used for the cost of the Transportation Construction Project.**

The budget and proposed schedule are attached as an appendix to this document.

**c) Please provide the estimate and percentage of the costs projected to be funded from other federal, state, local, private contributions or unspent CMF Reserves. (Applicants may include contributions from gaming licensees and private contributions.) Please provide a detailed itemized estimate for each type of funding.**

Numerous funding sources have been used to advance design of the trail extension date and for the proposed construction. The Massachusetts Gaming Commission awarded a 2016 CMF grant for \$150,000 to the City of Everett to perform an initial concept planning/engineering study. Following that, the City of Everett applied for and received a further \$100,000 from the Department of Conservation and Recreation to advance engineering design of the trail. This was supplemented with an additional \$77,000 appropriated by the City itself and \$193,000 from SITE Centers, the owners of the Gateway Shopping Center. Under their Chapter 91 License, SITE Centers is legally required to fund design and construction of the path along the south-east side of their property in Everett. The combination of the aforementioned funds will be sufficient to complete all construction documents and permitting related to the trail.

The remaining funding required to construct the trail is estimated to be \$3.9M. Of this amount, SITE Centers has committed under an MOU with the City of Everett to fund up to \$2.3M of this cost. The City of Everett has allocated up to \$1.2M for construction of the project and any contingencies in its 2019 Capital Improvements Plan. While the identified gap (if the Commission approves this grant application for \$1 million) is approximately \$400,000, the City anticipates that the cost to construct the trail may be higher than estimated, due to current trends in construction bidding and asks that a higher amount be awarded. The City would be responsible for any such additional costs.

**d) Please indicate, through a commitment letter or otherwise, how such other funding will be available for the project. In the absence of a final commitment to such funding, please provide detail on any process needed to secure any non-CMF funding.**

Attached to this application are the MOU with SITE Centers and a copy of the City's CIP showing funds allocated to the trail extension.

**e) Please include a detailed timetable for the TCP, including but not limited to, the timetable for planning, for securing additional funds and the timetable to implement the TCP. Construction of the TCP must commence by June 30, 2021.**

A timeline is attached to this application.

## **5. MEASUREMENT OF IMPACT**

**Please describe how you propose to measure the impact of your TCP including indicators proposed to measure results.**

The City and its partners routinely count bicycle ridership on key corridors in the City. Encore Resorts, is legally required to monitor traffic, including bicycle traffic, on this corridor. The City will use this data to measure the impact of the trail extension.

## **6. INTERNAL CONTROLS/ADMINISTRATION OF FUNDS**

**Please provide detail regarding the internal controls that will be used to ensure that funds will only be used to address the impact. If non-governmental entities will receive any funds, please describe what reporting will be required and how the applicant will remedy any misuse of funds.**

The City's internal control structure regarding all grants have been designed to ensure compliance with the federal Office of Management and Budget circulars A-87 "Cost Principles for State, Local, and Indian Tribes", and A-102 "Grants and Cooperative Agreements with State and Local Governments" regardless if the grants are not federal. The control structure ensures all transactions are properly recorded and accounted for, and all transactions are executed in compliance with Laws, regulations, and the provisions of contracts and grant agreements. Some examples of these controls include, but are not limited to:

The City's accounting system records all grants and the related grant activity in separate funds, and does not commingle grant activity between grants.

The City utilizes a requisition and purchase order system within the accounting system to ensure expenditures are sufficiently authorized for their intended purpose and adequate funding exists prior to procuring goods or services.

The City individual responsible for the management of the grant will be the only individual allowed to authorize expenditures to the grant, ensuring that only legitimate grant activity is charged to the grant. The City's accounting system automatically controls this process, which is then manually reviewed by the City Auditor's office during the payment processing.

Grant records maintained by the City individual responsible for the management of the grant will be reconciled with the City Auditor's office on a quarterly basis. Any discrepancies identified during this process will be researched and corrected within 15 days from the date identified.

**7. CONSULTATION WITH MASSDOT/ REGIONAL TRANSIT AGENCY (RTA) / REGIONAL PLANNING AGENCY (RPA) AND NEARBY COMMUNITIES**

**Please provide details about the Applicant's consultation with MassDOT, the Regional Transit Agency/MBTA and the Regional Planning Agency serving the community, and nearby communities to determine the potential for cooperative regional efforts regarding transportation construction activities.**

The City of Everett has been engaged with MassDOT, the MBTA, DCR, MAPC as well as local advocacy groups including Bike to the Sea, Livable Streets and the Mystic River Watershed Association as planning and design of the trail have progressed. The trail extension has been identified in MassDOT's statewide Bicycle and Pedestrian Plan and the City has been engaged with the DCR, MBTA and MassDOT regarding specific design issues where the path traverses their property.

**8. RELEVANT EXCERPTS FROM HOST OR SURROUNDING COMMUNITY AGREEMENTS**

**Please describe and include excerpts from any relevant sections of any Host or Surrounding Community Agreement. Please explain how this impact was either anticipated or not anticipated in that Agreement.**

Section 4.4.4 in the Final Environmental Impact Report issued on June 30, 2014 details the commitment by Wynn Everett to improving bicycle accommodations along Lower Broadway and the Mystic River. These commitments were re-iterated in section 2.2.3.2 of the Supplemental Final Environmental Impact Report issued on February 17, 2015. Subsequently, several cycling advocacy groups raised the issue that the proposed alterations to Sweetser Circle, which connects Lower Broadway to Everett Square and Malden, did not address a serious gap in the bicycle network as there were no safe provisions for bicycles in the traffic circle. A meeting was held at MassDOT on March 18, 2015 which included Wynn Everett, the City of Everett, and MassDOT staff. It was determined that right-of-way constraints would make formal bicycle accommodations impossible in the traffic circle.

Page 4-22 of the Second Supplemental Final Environmental Impact Report details a further \$250,000 commitment from Wynn Everett to study a bridge connection for pedestrians and non-motorized vehicles over the Mystic River from the approximate Wynn site to Draw 7 park and the Assembly MBTA station. Such a connection would be advantageous for the Lower Broadway area and enable a reduction in vehicle trips to the casino site by creating a more direct connection to mass transit. It also creates the opportunity to extend the Northern Strand path to a terminus on the west side of the Mystic River with trail connections to Charlestown and downtown Boston as well as connection to MBTA rapid transit at Assembly Square. However, such a connection cannot be made without also building the section of the path its current terminus at West and Wellington to the east bank of the Mystic River that would be under the scope of this study.

**CERTIFICATION BY MUNICIPALITY/GOVERNMENTAL ENTITY**

On behalf of the aforementioned municipality/governmental entity I hereby certify that the funds that are requested in this application will be used solely for the purposes articulated in this Application.

*Cal D. Maria*

January 30, 2020

Signature of Responsible Municipal  
Official/Governmental Entity

Date





FINAL ESTIMATE - COMBINED - DRAFT

Item No.	Description	Units	Site Qty	City Qty	Average Bid Price	Estimated Cost
100*	SCHEDULE OF OPERATIONS - FIXED PRICE \$10,000	LS	1	1	\$10,000.00	\$10,000.00
101	CLEARING AND GRUBBING	A	0.30	0.60	\$39,896.50	\$35,906.85
102.52*	TEMPORARY TREE PROTECTION FENCE	FT	320	0	\$15.00	\$4,800.00
120.1	UNCLASSIFIED EXCAVATION	CY	1690	430	\$38.50	\$81,620.00
141.1	TEST PIT FOR EXPLORATION	CY	5	0	\$117.50	\$587.50
145	DRAINAGE STRUCTURE ABANDONED	EA	1	0	\$568.50	\$568.50
151	GRAVEL BORROW	CY	1390	620	\$46.50	\$93,465.00
170	FINE GRADING AND COMPACTING - SUBGRADE AREA	SY	5350	2400	\$7.00	\$54,250.00
180.01*	ENVIRONMENTAL HEALTH AND SAFETY PROGRAM	LS	1	1	\$2,500.00	\$5,000.00
180.03*	LICENSED SITE PROFESSIONAL SERVICES	LS	0	1	\$10,000.00	\$10,000.00
180.4*	MONITORING/HANDLING AND STOCKPILING OF CONTAMINATED SOILS	LS	1	1	\$37,500.00	\$75,000.00
220	DRAINAGE STRUCTURE ADJUSTED	EA	1	0	\$423.50	\$423.50
220.3	DRAINAGE STRUCTURE CHANGE IN TYPE	EA	1	0	\$851.00	\$851.00
220.5	DRAINAGE STRUCTURE REMODELED	EA	0	0	\$706.00	\$-
220.7	SANITARY STRUCTURE ADJUSTED	EA	1	0	\$400.50	\$400.50
201	CATCH BASIN	EA	1	0	\$3,994.00	\$3,994.00
376.2	HYDRANT - REMOVED AND RESET	EA	3	0	\$2,772.50	\$8,317.50
381	SERVICE BOX	EA	3	0	\$280.00	\$840.00
431	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE	SY	200	0	\$72.00	\$14,400.00
440	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	LB	5510	2430	\$0.50	\$3,970.00
443	WATER FOR ROADWAY DUST CONTROL	MGL	1	0	\$77.00	\$77.00
450.22	SUPERPAVE SURFACE COURSE 9.5 (SSC 9.5)	TON	380	160	\$139.50	\$75,330.00
450.31	SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC -12.5)	TON	10	0	\$116.00	\$1,160.00
450.32	SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0)	TON	530	230	\$149.50	\$113,620.00
452	ASPHALT EMULSION FOR TACK COAT	GAL	20	0	\$7.50	\$150.00
453	HMA JOINT SEALANT	FT	4250	2260	\$1.00	\$6,510.00
472	ASPHALT MIXTURES FOR TEMPORARY WORK	TON	20	20	\$211.00	\$8,440.00
482.3	SAWCUTTING ASPHALT PAVEMENT	FT	1710	0	\$4.00	\$6,840.00
511.1	GRANITE EDGING TYPE SB - STRAIGHT	FT	15	0	\$33.00	\$495.00
512.1	GRANITE EDGING TYPE SB (RADIUS 10 FEET OR LESS)	FT	15	0	\$38.50	\$577.50
520.1*	CONCRETE CURB TYPE VA - PRECAST	FT	1565	0	\$47.00	\$73,555.00
627.82	GUARDRAIL TANGENT END TREATMENT, TL-2	EA	1	0	\$4,058.00	\$4,058.00
630.2	HIGHWAY GUARD REMOVED AND DISCARDED	FT	900	0	\$5.00	\$4,500.00
644.096	96 INCH CHAIN LINK FENCE (SPRING TENSION WIRE) (LINE POST OPTION)	FT	55	500	\$33.00	\$18,315.00
665.01*	TIMBER TWO-RAIL FENCE	FT	1630	0	\$61.00	\$99,430.00
665.02*	TIMBER RAIL ON RETAINING WALLS	FT	0	1190	\$30.00	\$35,700.00
697.1*	SILT SACK	EA	2	0	\$169.00	\$338.00
701	CEMENT CONCRETE SIDEWALK	SY	10	0	\$61.50	\$615.00
701.2	CEMENT CONCRETE WHEELCHAIR RAMP	SY	60	0	\$94.50	\$5,670.00
704.2*	STONE DUST	TON	250	140	\$80.00	\$31,200.00
740	ENGINEERS FIELD OFFICE AND EQUIPMENT (TYPE A)	MO	14	14	\$3,173.00	\$44,422.00
748	MOBILIZATION	LS	1	1	\$112,500.00	\$112,500.00
751.115*	PLANTING BED MEDIUM (36" DEPTH)	CY	0	0	\$75.00	\$-
751.121*	LAWN AND MEADOW ROOT ZONE MEDIUM (12" DEPTH)	CY	500	0	\$75.00	\$37,500.00
756*	NPDES STORMWATER POLLUTION PREVENTION PLAN	LS	1	1	\$10,000.00	\$10,000.00
765*	SEEDING	SY	160	30	\$2.50	\$475.00
765.11*	MEADOW PLANTING TYPE 1	SY	1477	0	\$2.00	\$2,954.00
765.12*	MEADOW PLANTING TYPE 2	SY	1006	0	\$2.00	\$2,012.00
767.121*	SEDIMENT CONTROL BARRIER	FT	1483	742	\$6.00	\$13,350.00
791.11*	ORNAMENTAL PLANTING	CY	2000	0	\$20.00	\$40,000.00
797.12*	SCREEN PLANTING TYPE 1	SF	1000	0	\$20.00	\$20,000.00
797.13*	SCREEN PLANTING TYPE 2	SF	500	0	\$20.00	\$10,000.00
797.14*	WETLAND MITIGATION	SF	0	1895	\$20.00	\$37,900.00
804.1*	1 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	FT	4500	3000	\$31.00	\$232,500.00
804.2*	2 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	FT	2700	1800	\$30.00	\$135,000.00
804.3*	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	FT	2600	1400	\$41.00	\$164,000.00
811.XX	JUNCTION BOX (6X6X2)	EA	0	4	\$100.00	\$400.00

[illegible]

**FINAL ESTIMATE - SITE CENTERS - DRAFT**

Item No.	Description	Units	Total Quantity	Average Bid Price	Estimated Cost
100*	SCHEDULE OF OPERATIONS - FIXED PRICE \$10,000	LS	1	\$10,000.00	\$5,000.00
101	CLEARING AND GRUBBING	A	0.30	\$39,896.50	\$11,968.95
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120.1	UNCLASSIFIED EXCAVATION	CY	1690	\$38.50	\$65,065.00
141.1	TEST PIT FOR EXPLORATION	CY	5	\$117.50	\$587.50
145	DRAINAGE STRUCTURE ABANDONED	EA	1	\$568.50	\$568.50
151	GRAVEL BORROW	CY	1390	\$46.50	\$64,635.00
170	FINE GRADING AND COMPACTING - SUBGRADE AREA	SY	5350	\$7.00	\$37,450.00
180.01*	ENVIRONMENTAL HEALTH AND SAFETY PROGRAM	LS	1	\$2,500.00	\$2,500.00
180.4*	MONITORING/HANDLING AND STOCKPILING OF CONTAMINATED SOILS	LS	1	\$50,000.00	\$50,000.00
220	DRAINAGE STRUCTURE ADJUSTED	EA	1	\$423.50	\$423.50
220.3	DRAINAGE STRUCTURE CHANGE IN TYPE	EA	1	\$851.00	\$851.00
220.5	DRAINAGE STRUCTURE REMODELED	EA	0	\$706.00	\$-
220.7	SANITARY STRUCTURE ADJUSTED	EA	1	\$400.50	\$400.50
201	CATCH BASIN	EA	1	\$3,994.00	\$3,994.00
376.2	HYDRANT - REMOVED AND RESET	EA	3	\$2,772.50	\$8,317.50
381	SERVICE BOX	EA	3	\$280.00	\$840.00
431	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE	SY	200	\$72.00	\$14,400.00
440	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	LB	5510	\$0.50	\$2,755.00
443	WATER FOR ROADWAY DUST CONTROL	MGL	1	\$77.00	\$77.00
450.22	SUPERPAVE SURFACE COURSE 9.5 (SSC 9.5)	TON	380	\$139.50	\$53,010.00
450.31	SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC -12.5)	TON	10	\$116.00	\$1,160.00
450.32	SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0)	TON	530	\$149.50	\$79,235.00
452	ASPHALT EMULSION FOR TACK COAT	GAL	20	\$7.50	\$150.00
453	HMA JOINT SEALANT	FT	4250	\$1.00	\$4,250.00
472	ASPHALT MIXTURES FOR TEMPORARY WORK	TON	20	\$211.00	\$4,220.00
482.3	SAWCUTTING ASPHALT PAVEMENT	FT	1710	\$4.00	\$6,840.00
511.1	GRANITE EDGING TYPE SB - STRAIGHT	FT	15	\$33.00	\$495.00
512.1	GRANITE EDGING TYPE SB (RADIUS 10 FEET OR LESS)	FT	15	\$38.50	\$577.50
520.1*	CONCRETE CURB TYPE VA - PRECAST	FT	1565	\$47.00	\$73,555.00
627.82	GUARDRAIL TANGENT END TREATMENT, TL-2	EA	1	\$4,058.00	\$4,058.00
630.2	HIGHWAY GUARD REMOVED AND DISCARDED	FT	900	\$5.00	\$4,500.00
644.096	96 INCH CHAIN LINK FENCE (SPRING TENSION WIRE) (LINE POST OPTION)	FT	55	\$33.00	\$1,815.00
665.01*	TIMBER TWO-RAIL FENCE	FT	1630	\$61.00	\$99,430.00
697.1*	SILT SACK	EA	2	\$169.00	\$338.00
701	CEMENT CONCRETE SIDEWALK	SY	10	\$61.50	\$615.00
701.2	CEMENT CONCRETE WHEELCHAIR RAMP	SY	60	\$94.50	\$5,670.00
704.2*	STONE DUST	TON	250	\$80.00	\$20,000.00
740	ENGINEERS FIELD OFFICE AND EQUIPMENT (TYPE A)	MO	14	\$3,173.00	\$22,211.00
748	MOBILIZATION	LS	1	\$112,500.00	\$56,250.00
751.115*	PLANTING BED MEDIUM (36" DEPTH)	CY	0	\$75.00	\$-
751.121*	LAWN AND MEADOW ROOT ZONE MEDIUM (12" DEPTH)	CY	500	\$75.00	\$37,500.00
756*	NPDES STORMWATER POLLUTION PREVENTION PLAN	LS	1	\$10,000.00	\$5,000.00
765*	SEEDING	SY	160	\$2.50	\$400.00
765.11*	MEADOW PLANTING TYPE 1	SY	1477	\$2.00	\$2,954.00
765.12*	MEADOW PLANTING TYPE 2	SY	1006	\$2.00	\$2,012.00
767.121*	SEDIMENT CONTROL BARRIER	FT	1483	\$6.00	\$8,898.00
791.11*	ORNAMENTAL PLANTING	CY	2000	\$20.00	\$40,000.00
797.12*	SCREEN PLANTING TYPE 1	SF	1000	\$20.00	\$20,000.00
797.13*	SCREEN PLANTING TYPE 2	SF	500	\$20.00	\$10,000.00
804.1*	1 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	FT	4500	\$31.00	\$139,500.00
804.2*	2 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL)	FT	2700	\$30.00	\$81,000.00
804.3*	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	FT	2600	\$41.00	\$106,600.00
811.22*	ELECTRIC HANDHOLE - SD2.022	EA	11	\$1,200.00	\$13,200.00
811.36	ELECTRIC MANHOLE ADJUSTED	EA	5	\$628.50	\$3,142.50
811.361*	CONCRETE PAD AND ACCESS HATCH ADJUSTED	EA	1	\$6,200.00	\$6,200.00
812.09*	LIGHT STANDARD FOUNDATION PRECAST	EA	24	\$1,500.00	\$36,000.00

**FINAL ESTIMATE - SITE CENTERS - DRAFT**

Item No.	Description	Units	Total Quantity	Average Bid Price	Estimated Cost
813.30*	WIRE TYPE 7 NO. 10 GENERAL PURPOSE	FT	5000	\$1.50	\$7,500.00
813.32*	WIRE TYPE 7 NO. 6 GENERAL PURPOSE	FT	5400	\$2.50	\$13,500.00
813.33*	WIRE TYPE 7 NO. 4 GENERAL PURPOSE	FT	5200	\$2.00	\$10,400.00
813.51*	WIRE TYPE NO. 9 FIBER OPTIC CABLE	FT	7300	\$0.50	\$3,650.00
813.72*	GROUND ROD 10 FEET LONG	EA	7	\$185.00	\$1,295.00
813.521*	WIRE TYPE 10 - #6 GROUNDING AND BONDING	FT	7800	\$2.50	\$19,500.00
823.XX	LIGHT FIXTURE TYPE A (PEDESTRIAN)	EA	24	\$12,000.00	\$288,000.00
823.62	HIGHWAY LIGHTING LOAD CENTER NO.2	LS	1	\$40,000.00	\$40,000.00
823.71*	HIGHWAY LIGHTING POLE AND LUMINAIRE REMOVE AND STACKED	EA	3	\$800.00	\$2,400.00
	FIBER/CAT-6 INSTALL	LS	1	\$7,000.00	\$7,000.00
	CAMERA	EA	21	\$1,900.00	\$39,900.00
	CAMERA PENDANT CAP	EA	21	\$210.00	\$4,410.00
	LICENSE / CAMERA	LS	21	\$225.00	\$4,725.00
	SERVER (LOC IN POLICE DEPT.)	LS	1	\$11,000.00	\$11,000.00
	CAMERA DISTRIBUTION BOX	EA	4	\$2,400.00	\$9,600.00
	CAMERA DISTRIBUTION BOX CABINET	EA	4	\$1,600.00	\$6,400.00
	CAMERA DISTRIBUTION BOX CONCRETE PAD	EA	4	\$1,500.00	\$6,000.00
	ANTENNA	EA	1	\$1,750.00	\$1,750.00
832	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	SF	20	\$13.00	\$260.00
867.106	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	FT	150	\$1.50	\$225.00
877.3	SIGN POST 2 INCH STEEL	EA	4	\$225.00	\$900.00
949.01*	HELICAL PILE FOUNDATIONS	EA	72	\$3,000.00	\$216,000.00
955.012*	BOARDWALK WITH RAILING	LS	1	\$108,000.00	\$108,000.00
<b>SUBTOTAL</b>					<b>\$2,027,834</b>
<b>TEMPORARY TRAFFIC CONTROL*</b>					<b>\$15,000</b>
to be determined at final design					
<b>CONTINGENCY 15%</b>					<b>\$304,175</b>
<b>TOTAL</b>					<b>\$2,347,010</b>
<b>TOTAL ESTIMATE SAY</b>					<b>\$2,350,000</b>

**FINAL ESTIMATE - CITY OF EVERETT - DRAFT**

Item No.	Description	Units	Total Quantity	Average Bid Price	Estimated Cost
100*	SCHEDULE OF OPERATIONS - FIXED PRICE \$10,000	LS	1	\$10,000.00	\$5,000.00
101	CLEARING AND GRUBBING	A	0.60	\$39,896.50	\$23,937.90
120.1	UNCLASSIFIED EXCAVATION	CY	430	\$38.50	\$16,555.00
151	GRAVEL BORROW	CY	620	\$46.50	\$28,830.00
170	FINE GRADING AND COMPACTING - SUBGRADE AREA	SY	2400	\$7.00	\$16,800.00
180.01*	ENVIRONMENTAL HEALTH AND SAFETY PROGRAM	LS	1	\$2,500.00	\$2,500.00
180.03*	LICENSED SITE PROFESSIONAL SERVICES	LS	1	\$10,000.00	\$10,000.00
180.4*	MONITORING/HANDLING AND STOCKPILING OF CONTAMINATED SOILS	LS	1	\$25,000.00	\$25,000.00
440	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	LB	2430	\$0.50	\$1,215.00
443	WATER FOR ROADWAY DUST CONTROL	MGL	0	\$77.00	\$-
450.22	SUPERPAVE SURFACE COURSE 4.5 (SSC 4.5)	TON	160	\$139.50	\$22,320.00
450.31	SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC - 12.5)	TON	0	\$116.00	\$-
450.32	SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0)	TON	230	\$149.50	\$34,385.00
452	ASPHALT EMULSION FOR TACK COAT	GAL	0	\$7.50	\$-
453	HMA JOINT SEALANT	FT	2260	\$1.00	\$2,260.00
472	ASPHALT MIXTURES FOR TEMPORARY WORK	TON	20	\$211.00	\$4,220.00
644.096	96 INCH CHAIN LINK FENCE (SPRING TENSION WIRE) (LINE POST OPTION)	FT	500	\$33.00	\$16,500.00
665.02*	TIMBER RAIL ON RETAINING WALLS	FT	1190	\$30.00	\$35,700.00
704.2*	STONE DUST	TON	140	\$80.00	\$11,200.00
740	ENGINEERS FIELD OFFICE AND EQUIPMENT (TYPE A)	MO	14	\$3,173.00	\$22,211.00
748	MOBILIZATION	LS	1	\$112,500.00	\$56,250.00
751.115*	PLANTING BED MEDIUM (36" DEPTH)	CY	0	\$75.00	\$-
751.121*	LAWN AND MEADOW ROOT ZONE MEDIUM (12" DEPTH)	CY	0	\$75.00	\$-
756*	NPDES STORMWATER POLLUTION PREVENTION PLAN	LS	1	\$10,000.00	\$5,000.00
765*	SEEDING	SY	30	\$2.50	\$75.00
765.11*	MEADOW PLANTING TYPE 1	SY	0	\$2.00	\$-
765.12*	MEADOW PLANTING TYPE 2	SY	0	\$2.00	\$-
767.121*	SEDIMENT CONTROL BARRIER	FT	742	\$6.00	\$4,452.00
791.11*	ORNAMENTAL PLANTING	CY	0	\$20.00	\$-
797.12*	SCREEN PLANTING TYPE 1	SF	0	\$20.00	\$-
797.13*	SCREEN PLANTING TYPE 2	SF	0	\$20.00	\$-
797.14*	WETLAND MITIGATION	SF	1895	\$20.00	\$37,900.00
804.1*	1 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL)	FT	3000	\$31.00	\$93,000.00
804.2*	2 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL)	FT	1800	\$30.00	\$54,000.00
804.3*	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL)	FT	1400	\$41.00	\$57,400.00
811.XX	JUNCTION BOX (6X6X2)	EA	4	\$100.00	\$400.00
811.22*	ELECTRIC HANDHOLE - SD2.022	EA	10	\$1,200.00	\$12,000.00
812.09*	LIGHT STANDARD FOUNDATION PRECAST	EA	18	\$1,500.00	\$27,000.00
813.30*	WIRE TYPE 7 NO. 10 GENERAL PURPOSE	FT	3000	\$1.50	\$4,500.00
813.32*	WIRE TYPE 7 NO. 6 GENERAL PURPOSE	FT	3600	\$2.50	\$9,000.00
813.33*	WIRE TYPE 7 NO. 4 GENERAL PURPOSE	FT	3000	\$2.00	\$6,000.00
813.51*	WIRE TYPE NO. 9 FIBER OPTIC CABLE	FT	4600	\$0.50	\$2,300.00
813.72*	GROUND ROD 10 FEET LONG	EA	7	\$185.00	\$1,295.00
813.521*	WIRE TYPE 10 - #6 GROUNDING AND BONDING	FT	6700	\$2.50	\$16,750.00
823.XX	LIGHT FIXTURE TYPE A (PEDESTRIAN)	EA	18	\$12,000.00	\$216,000.00
823.XX	LIGHT FIXTURE TYPE B (TUNNEL)	EA	12	\$500.00	\$6,000.00
823.61	HIGHWAY LIGHTING LOAD CENTER NO.1	LS	1	\$40,000.00	\$40,000.00
	FIBER/CAT-6 INSTALL	LS	1	\$7,000.00	\$7,000.00
	CAMERA	EA	14	\$1,900.00	\$26,600.00
	CAMERA PENDANT CAP	EA	14	\$210.00	\$2,940.00
	LICENSE / CAMERA	LS	14	\$225.00	\$3,150.00
	SERVER (LOC IN POLICE DEPT.)	LS	1	\$11,000.00	\$11,000.00
	CAMERA DISTRIBUTION BOX	EA	3	\$2,400.00	\$7,200.00
	CAMERA DISTRIBUTION BOX CABINET	EA	3	\$1,600.00	\$4,800.00
	CAMERA DISTRIBUTION BOX CONCRETE PAD	EA	3	\$1,500.00	\$4,500.00
	ANTENNA	EA	1	\$1,750.00	\$1,750.00
832	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	SF	10	\$13.00	\$130.00

Northern Strand Community Trail Extension  
HOWARD STEIN HUDSON

Bid Price District:

4

Date:

1/16/2020

**FINAL ESTIMATE - CITY OF EVERETT - DRAFT**

Item No.	Description	Units	Total Quantity	Average Bid Price	Estimated Cost
877.3	SIGN POST 2 INCH STEEL	EA	2	\$225.00	\$450.00
996.01*	WALL STRUCTURES	LS	1	\$350,000.00	\$350,000.00
<b>SUBTOTAL</b>					<b>\$1,347,476</b>
TEMPORARY TRAFFIC CONTROL*		0%			\$0
<b>CONTINGENCY 15%</b>					\$202,121
<b>TOTAL</b>					<b>\$1,549,597</b>
<b>TOTAL ESTIMATE SAY</b>					<b>\$1,550,000</b>



TO: Jay Monty, City of Everett  
Diane Mikovsky, SITE Centers

DATE: November 7, 2019

FROM: Howard Stein Hudson (HSH)

HSH PROJECT NO.: 2016012.01

SUBJECT: Northern Strand Community Trail Extension Project  
Progress Report Work – October 2019

## Progress Report – October 2019

This is the eleventh monthly progress report for the Northern Strand Community Trail project.

### Scope/Schedule/Budget

The overall project budget of \$236,585 is to be split 60/40 between the City of Everett and SITE Centers (SITE). The first \$100,000 was frontloaded by the City to utilize an expiring grant. As such, the next \$66,667 of the budget will be billed to SITE before returning to the 60/40 split. In addition to these funds, SITE amended the overall contract by an additional \$87,000 for Weston & Sampson (W&S) to provide additional environmental support related to the AUL. Work related to these tasks do not contribute to the same 60/40 split agreed upon and are fully funded by SITE. **Table 1** shows the budget spent and what is remaining on the contract.

**Table 1. Resource Allocation**

Entity	Budget	Spent	Remaining
Everett	\$130,238	\$100,000	\$30,238
SITE	\$106,347	\$58,941	\$47,406
SITE – AUL Services	\$87,000	\$13,953	\$73,047

The preliminary design plans, specifications, and estimate were submitted on July 22, 2019. August, September, and some of October have been spent discussing next steps for the project with clients and stakeholders. Based on the original schedule, we are approximately a month behind due to the extended stakeholder coordination. Please see attached for a revised project schedule.

As discussed previously, the upcoming soil testing was not within the original scope of the project. The proposed scope for Gill Engineering (Gill) and Geologic would equal an increase of \$13,000 to the design contract. Some of this can be recouped within an optional task in the existing W&S contract



which will not be required. Gill is going to reevaluate whether their remaining budget can sustain this increase. Costs will be tracked but it is possible that an amendment to SITE will be needed to cover the difference.

An amendment is attached to bring on a rail subcontractor to design the Massachusetts Bay Transportation Authority's (MBTA's) requested rail turnout and provide needed budget to complete final design. This amendment requests an overall increase of \$47,000 from the City of Everett. Details can be found in the attached amendment. An email Notice to Proceed (NTP) was provided by the City of October 31, 2019, to allow WSP and Green International (Green) to begin proposed rail work ahead of the official authorization via the attached amendment. Subcontractor agreements are being executed and current budget will be used until the additional fee is approved.

## **Previously Completed Activities**

### **OCTOBER 2019**

- SITE submitted formal comments to the preliminary design plans on September 30, 2019. HSH compiled the comments in an Excel log and responded to each of them. These were discussed during the conference call on October 2, 2019.
  - On October 8, HSH, SITE, and Ron Buia participated in a call to discuss how lighting could be adjusted to decrease construction costs.
- MBTA RROPs requested that the project team design a track turn-out to transition the first ballast rail in order to create space for the preferred alignment.
  - HSH is procured two quotes from HNTB and WSP, and ultimately chose WSP to perform the design.
  - HSH put together a survey graphic to send to Green to provide a quote for the additional survey required for the design.
  - HSH met with RROPs on October 22, 2019, to go over the proposed concept, project timeline, and next steps.
- Soil testing to verify AUL conditions and inform boardwalk design are being scheduled for the end of October.
  - SITE Centers, HSH, and Solutia participated in a conference call on October 18, 2019, to discuss the proposed testing plan.
  - HSH coordinated with Geologic to update their work plan to meet Solutia's requests.
  - An RDA was submitted to Everett ConComm on October 7, 2019, for approval and HSH presented at the hearing on October 17, 2019. The determination was negative, so no further permits are required for the work.
  - HSH marked out the testing locations for Dig Safe on October 30.





- HSH started to redesign the part of the path that splits around the transformer, studying how narrow the pinch point would have to be to fit the path between the transformer and the existing wall.

## Upcoming Activities

- HSH will continue to review potential design changes that may result from the SITE comments, specifically requests to adjust the path to decrease project cost.
- HSH and the project team will formally respond to all comments and send the planned solution to the clients before making final design changes.
- Soil testing is scheduled to occur on November 6, 2019.
- HSH, MBTA RROPs, WSP, and Green are tentatively scheduled to meet in the field on November 6, 2019 to discuss the next steps for the rail design in the ballast yard.

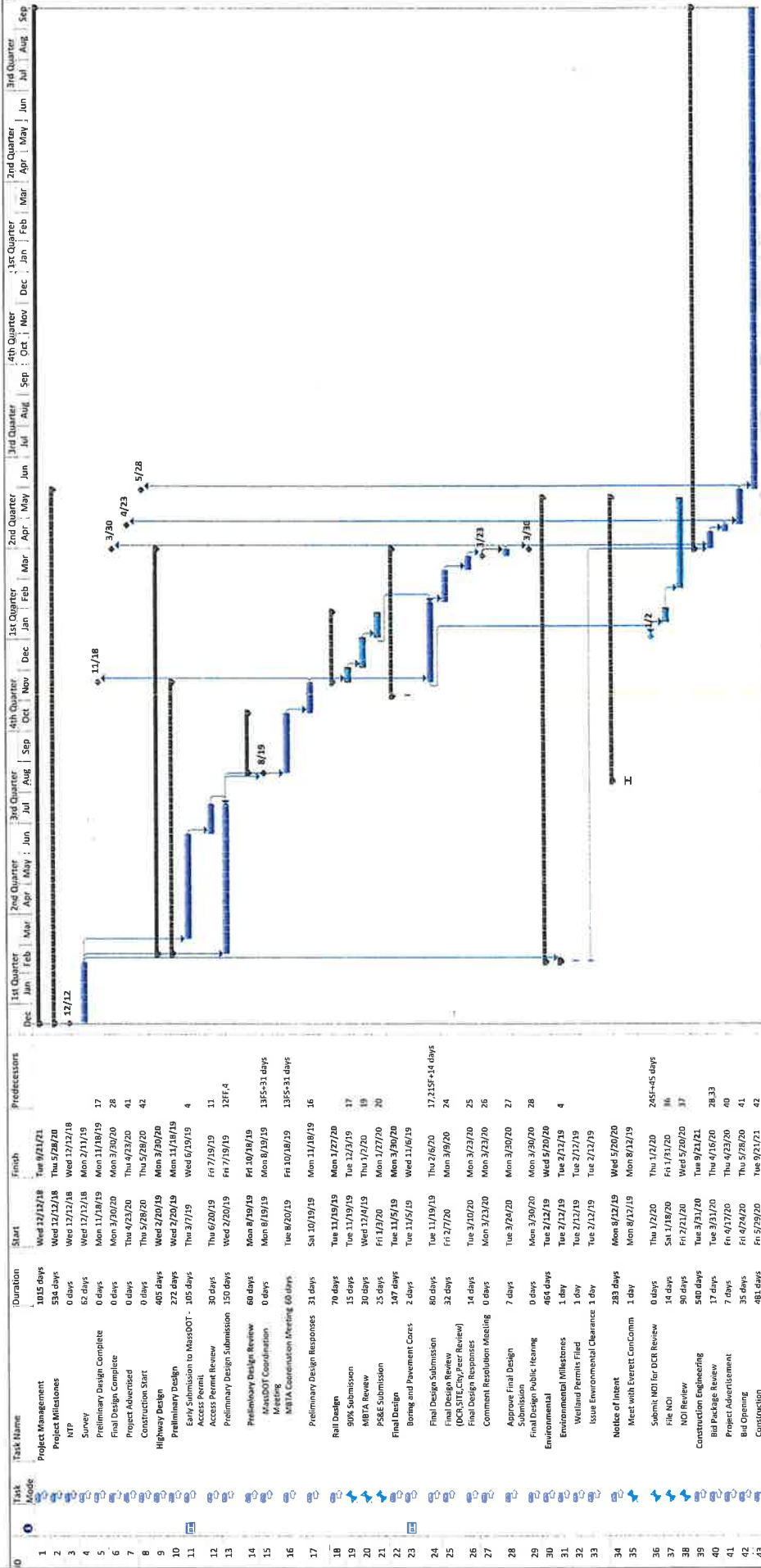
## Project Issues or Concerns

### ESTIMATED PROJECT COST

A memorandum was issued to address the cost increase from the conceptual to preliminary stage. During the comment resolution meeting, a few ideas to control the cost increase were explored. HSH will investigate these design changes and check in with the clients before the next submission.

# Northern Strand Community Trail Extension

## Project Schedule



Project Project1  
Date: Thu 11/7/19

Task  
Split  
Milestone

Summary  
Project Summary  
External Tasks

External Milestone  
Inactive Task  
Inactive Milestone

Inactive Summary  
Manual Task  
Duration-only

Manual Summary Rollup  
Manual Summary  
Start-only

Finish-only  
Deadline  
Progress

# PROJECT PROGRESS REPORT



TO: Jay Monty, City of Everett  
Diane Mikovsky, SITE Centers

DATE: January 3, 2019

FROM: Howard Stein Hudson (HSH)

HSH PROJECT NO.: 2016012.01

SUBJECT: Northern Strand Community Trail Extension Project  
Progress Report Work – December 2019

## Progress Report – December 2019

This is the thirteenth monthly progress report for the Northern Strand Community Trail project.

### Scope/Schedule/Budget

The overall project budget of \$236,585 is to be split 55/45 between the City of Everett and SITE Centers (SITE). The first \$100,000 was frontloaded by the City to utilize an expiring grant. As such, the next \$81,656 of the budget was billed to SITE before returning to the 55/45 split.

In addition to these funds, there have been two contract amendments to bring additional funds to the project. Work related to these tasks do not contribute to the proportional split and are funded individually. **Table 1** shows the budget spent and what is remaining on the contract.

**Table 1.**      *Resource Allocation*

Entity	Budget	Spent	Remaining
Everett	\$130,238	\$100,000	\$30,238
SITE	\$106,347	\$77,476	\$28,871
SITE – AUL Services	\$87,000	\$14,620	\$72,380
Everett – RAIL Services	\$47,000	\$3,500	\$43,500

We are working towards a final design submission in February 2020. HSH is still awaiting signed approval for a \$47,000 amendment to bring on a rail subcontractor to design the Massachusetts Bay Transportation Authority's (MBTA's) requested rail turnout and provide needed budget to complete final design. An email Notice to Proceed (NTP) was provided by the City of October 31, 2019. Subcontractor agreements have been executed and current budget is being used until the additional fee is approved.



## Previously Completed Activities

### DECEMBER 2019

- WSP staff used GPS and offset distances from the concept to stake out the alignment on December 19, 2019.
- HSH redesigned parts of the path to cut costs associated with grading, utility relocation, and fencing.
- HSH, SITE, and the City had a phone conference call on December 19, 2019 to discuss project updates and next steps.
- HSH made high-level updates to the cost estimate to reduce the subtotal. This cost estimate was also broken out by client per request on the team conference call.
  - The subtotals are estimated at \$2.1M and \$1.4M for SITE Centers and the City of Everett, respectively. These estimates have not been thoroughly updated as design changes have occurred. These costs reflect a 60/40 split consistent with original assumptions.
- Cost decreases have been achieved by making the design changes as shown in the attached revised Construction Plans.

## Upcoming Activities

- HSH will get layout approval for a revised alignment of the trail and begin grading design.
- The MBTA must approve the concept so that WSP can begin 90% rail design.
  - MBTA Railroad Operations (RROPs), HSH, and WSP are scheduled to meet in the field on January 7, 2020, to review the marked track turn-out.
- HSH will have a conference call with National Grid to confirm that the current boardwalk layout is a safe distance from their proposed work. After, Gill Engineering will review the results of the soil boring and begin boardwalk design.

## Attachments

- Revised Cost Estimates, HSH
- DRAFT Revised and Marked Up Construction Plans – Progress Print, HSH

**FINAL ESTIMATE - CITY OF EVERETT - DRAFT**

Item No.	Description	Units	Total Quantity	Average Bid Price	Estimated Cost
100*	SCHEDULE OF OPERATIONS - FIXED PRICE \$10,000	LS	1	\$10,000.00	\$5,000.00
101	CLEARING AND GRUBBING	A	0.60	\$34,161.50	\$20,496.90
120.1	UNCLASSIFIED EXCAVATION	CY	430	\$40.00	\$17,200.00
151	GRAVEL BORROW	CY	570	\$47.50	\$27,075.00
170	FINE GRADING AND COMPACTING - SUBGRADE AREA	SY	2220	\$6.50	\$14,430.00
180.01*	ENVIRONMENTAL HEALTH AND SAFETY PROGRAM	LS	1	\$2,500.00	\$2,500.00
180.03*	LICENSED SITE PROFESSIONAL SERVICES	LS	1	\$10,000.00	\$10,000.00
180.4*	MONITORING/HANDLING AND STOCKPILING OF CONTAMINATED SOILS	LS	1	\$25,000.00	\$25,000.00
440	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	LB	2160	\$0.50	\$1,080.00
443	WATER FOR ROADWAY DUST CONTROL	MGL	0	\$60.00	\$-
450.22	SUPERPAVE SURFACE COURSE 9.5 (SSC 9.5)	TON	150	\$139.50	\$20,925.00
450.31	SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC -12.5)	TON	0	\$116.00	\$-
450.32	SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0)	TON	210	\$149.50	\$31,395.00
452	ASPHALT EMULSION FOR TACK COAT	GAL	0	\$8.00	\$-
453	HMA JOINT SEALANT	FT	2260	\$1.50	\$3,390.00
472	ASPHALT MIXTURES FOR TEMPORARY WORK	TON	20	\$209.50	\$4,190.00
644.096	96 INCH CHAIN LINK FENCE (SPRING TENSION WIRE) (LINE POST OPTION)	FT	500	\$33.00	\$16,500.00
665.02*	TIMBER RAIL ON RETAINING WALLS	FT	1190	\$30.00	\$35,700.00
704.2*	STONE DUST	TON	140	\$80.00	\$11,200.00
740	ENGINEERS FIELD OFFICE AND EQUIPMENT (TYPE A)	MO	14	\$3,074.00	\$21,518.00
748	MOBILIZATION	LS	1	\$112,500.00	\$56,250.00
751.115*	PLANTING BED MEDIUM (36" DEPTH)	CY	0	\$75.00	\$-
751.121*	LAWN AND MEADOW ROOT ZONE MEDIUM (12" DEPTH)	CY	0	\$75.00	\$-
756*	NPDES STORMWATER POLLUTION PREVENTION PLAN	LS	1	\$10,000.00	\$5,000.00
765*	SEEDING	SY	30	\$2.50	\$75.00
765.11*	MEADOW PLANTING TYPE 1	SY	0	\$2.00	\$-
765.12*	MEADOW PLANTING TYPE 2	SY	0	\$2.00	\$-
767.121*	SEDIMENT CONTROL BARRIER	FT	742	\$6.00	\$4,452.00
791.11*	ORNAMENTAL PLANTING	CY	0	\$20.00	\$-
797.12*	SCREEN PLANTING TYPE 1	SF	0	\$20.00	\$-
797.13*	SCREEN PLANTING TYPE 2	SF	0	\$20.00	\$-
797.14*	WETLAND MITIGATION	SF	1895	\$20.00	\$37,900.00
804.1*	1 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	FT	3000	\$31.00	\$93,000.00
804.2*	2 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL)	FT	1800	\$30.00	\$54,000.00
804.3*	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	FT	1400	\$41.00	\$57,400.00
811.XX	JUNCTION BOX (6X6X2)	EA	4	\$3,074.00	\$12,296.00
811.22*	ELECTRIC HANDHOLE - SD2.022	EA	10	\$1,200.00	\$12,000.00
812.09*	LIGHT STANDARD FOUNDATION PRECAST	EA	18	\$1,500.00	\$27,000.00
813.30*	WIRE TYPE 7 NO. 10 GENERAL PURPOSE	FT	3000	\$1.50	\$4,500.00
813.32*	WIRE TYPE 7 NO. 6 GENERAL PURPOSE	FT	3600	\$2.50	\$9,000.00
813.33*	WIRE TYPE 7 NO. 4 GENERAL PURPOSE	FT	3000	\$2.00	\$6,000.00
813.51*	WIRE TYPE NO. 9 FIBER OPTIC CABLE	FT	4600	\$0.50	\$2,300.00
813.72*	GROUND ROD 10 FEET LONG	EA	7	\$185.00	\$1,295.00
813.521*	WIRE TYPE 10 - #6 GROUNDING AND BONDING	FT	6700	\$2.50	\$16,750.00
823.XX	LIGHT FIXTURE TYPE A (PEDESTRIAN)	EA	18	\$12,000.00	\$216,000.00
823.XX	LIGHT FIXTURE TYPE B (TUNNEL)	EA	12	\$500.00	\$6,000.00
823.61	HIGHWAY LIGHTING LOAD CENTER NO.1	LS	1	\$40,000.00	\$40,000.00
	FIBER/CAT-6 INSTALL	LS	1	\$7,000.00	\$7,000.00
	CAMERA	EA	14	\$1,900.00	\$26,600.00
	CAMERA PENDANT CAP	EA	14	\$210.00	\$2,940.00
	LICENSE / CAMERA	LS	14	\$225.00	\$3,150.00
	SERVER (LOC IN POLICE DEPT.)	LS	1	\$11,000.00	\$11,000.00
	CAMERA DISTRIBUTION BOX	EA	3	\$2,400.00	\$7,200.00
	CAMERA DISTRIBUTION BOX CABINET	EA	3	\$1,600.00	\$4,800.00
	CAMERA DISTRIBUTION BOX CONCRETE PAD	EA	3	\$1,500.00	\$4,500.00
	ANTENNA	EA	1	\$1,750.00	\$1,750.00
832	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	SF	10	\$12.50	\$125.00

Northern Strand Community Trail Extension HOWARD STEIN HUDSON				Bid Price District:	4
				Date:	12/27/2019
FINAL ESTIMATE - CITY OF EVERETT - DRAFT					
Item No.	Description	Units	Total Quantity	Average Bid Price	Estimated Cost
877.3	SIGN POST 2 INCH STEEL	EA	2	\$225.00	\$450.00
996.01*	WALL STRUCTURES	LS	1	\$350,000.00	\$350,000.00
SUBTOTAL					\$1,348,333
TEMPORARY TRAFFIC CONTROL*		0%			\$0
CONTINGENCY 15%					\$202,250
TOTAL					\$1,550,583
TOTAL ESTIMATE SAY					\$1,560,000

**FINAL ESTIMATE - SITE CENTERS - DRAFT**

Item No.	Description	Units	Total Quantity	Average Bid Price	Estimated Cost
100*	SCHEDULE OF OPERATIONS - FIXED PRICE \$10,000	LS	1	\$10,000.00	\$5,000.00
101	CLEARING AND GRUBBING	A	0.30	\$39,155.00	\$11,746.50
102.52*	TEMPORARY TREE PROTECTION FENCE	FT	320	\$15.00	\$4,800.00
120.1	UNCLASSIFIED EXCAVATION	CY	1690	\$40.00	\$67,600.00
141.1	TEST PIT FOR EXPLORATION	CY	5	\$121.00	\$605.00
145	DRAINAGE STRUCTURE ABANDONED	EA	1	\$568.50	\$568.50
151	GRAVEL BORROW	CY	810	\$48.00	\$38,880.00
170	FINE GRADING AND COMPACTING - SUBGRADE AREA	SY	3250	\$7.00	\$22,750.00
180.01*	ENVIRONMENTAL HEALTH AND SAFETY PROGRAM	LS	1	\$2,500.00	\$2,500.00
180.4*	MONITORING/HANDLING AND STOCKPILING OF CONTAMINATED SOILS	LS	1	\$50,000.00	\$50,000.00
220	DRAINAGE STRUCTURE ADJUSTED	EA	1	\$420.50	\$420.50
220.3	DRAINAGE STRUCTURE CHANGE IN TYPE	EA	1	\$851.00	\$851.00
220.5	DRAINAGE STRUCTURE REMODELED	EA	0	\$706.00	\$-
220.7	SANITARY STRUCTURE ADJUSTED	EA	1	\$399.50	\$399.50
201	CATCH BASIN	EA	1	\$3,994.00	\$3,994.00
376.2	HYDRANT - REMOVED AND RESET	EA	3	\$2,772.50	\$8,317.50
381	SERVICE BOX	EA	3	\$280.00	\$840.00
431	HIGH EARLY STRENGTH CEMENT CONCRETE BASE COURSE	SY	200	\$72.00	\$14,400.00
440	CALCIUM CHLORIDE FOR ROADWAY DUST CONTROL	LB	2360	\$0.50	\$1,180.00
443	WATER FOR ROADWAY DUST CONTROL	MGL	1	\$64.00	\$64.00
450.22	SUPERPAVE SURFACE COURSE - 9.5 (SSC - 9.5)	TON	170	\$139.50	\$23,715.00
450.31	SUPERPAVE INTERMEDIATE COURSE - 12.5 (SIC -12.5)	TON	10	\$116.00	\$1,160.00
450.32	SUPERPAVE INTERMEDIATE COURSE - 19.0 (SIC - 19.0)	TON	230	\$149.50	\$34,385.00
452	ASPHALT EMULSION FOR TACK COAT	GAL	20	\$8.00	\$160.00
453	HMA JOINT SEALANT	FT	4250	\$1.00	\$4,250.00
472	ASPHALT MIXTURES FOR TEMPORARY WORK	TON	20	\$208.00	\$4,160.00
482.3	SAWCUTTING ASPHALT PAVEMENT	FT	1710	\$2.00	\$3,420.00
511.1	GRANITE EDGING TYPE SB - STRAIGHT	FT	15	\$33.00	\$495.00
512.1	GRANITE EDGING TYPE SB (RADIUS 10 FEET OR LESS)	FT	15	\$38.50	\$577.50
520.1*	CONCRETE CURB TYPE VA - PRECAST	FT	1565	\$47.00	\$73,555.00
627.82	GUARDRAIL TANGENT END TREATMENT, TL-2	EA	1	\$4,141.50	\$4,141.50
630.2	HIGHWAY GUARD REMOVED AND DISCARDED	FT	900	\$5.00	\$4,500.00
644.096	96 INCH CHAIN LINK FENCE (SPRING TENSION WIRE) (LINE POST OPTION)	FT	55	\$33.00	\$1,815.00
665.01*	TIMBER TWO-RAIL FENCE	FT	1630	\$61.00	\$99,430.00
697.1*	SILT SACK	EA	2	\$174.50	\$349.00
701.1	CEMENT CONCRETE SIDEWALK	SY	10	\$60.50	\$605.00
701.2	CEMENT CONCRETE WHEELCHAIR RAMP	SY	60	\$92.50	\$5,550.00
704.2*	STONE DUST	TON	250	\$80.00	\$20,000.00
740	ENGINEERS FIELD OFFICE AND EQUIPMENT (TYPE A)	MO	14	\$3,107.50	\$21,752.50
748	MOBILIZATION	LS	1	\$112,500.00	\$56,250.00
751.115*	PLANTING BED MEDIUM (36" DEPTH)	CY	0	\$75.00	\$-
751.121*	LAWN AND MEADOW ROOT ZONE MEDIUM (12" DEPTH)	CY	1483	\$75.00	\$111,225.00
756*	NPDES STORMWATER POLLUTION PREVENTION PLAN	LS	1	\$10,000.00	\$5,000.00
765*	SEEDING	SY	160	\$2.50	\$400.00
765.11*	MEADOW PLANTING TYPE 1	SY	1477	\$2.00	\$2,954.00
765.12*	MEADOW PLANTING TYPE 2	SY	1006	\$2.00	\$2,012.00
767.121*	SEDIMENT CONTROL BARRIER	FT	1483	\$6.00	\$8,898.00
791.11*	ORNAMENTAL PLANTING	CY	2000	\$20.00	\$40,000.00
797.12*	SCREEN PLANTING TYPE 1	SF	1000	\$20.00	\$20,000.00
797.13*	SCREEN PLANTING TYPE 2	SF	500	\$20.00	\$10,000.00
804.1*	1 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	FT	4500	\$31.00	\$139,500.00
804.2*	2 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC (UL)	FT	2700	\$30.00	\$81,000.00
804.3*	3 INCH ELECTRICAL CONDUIT TYPE NM - PLASTIC -(UL)	FT	2600	\$41.00	\$106,600.00
811.22*	ELECTRIC HANDHOLE - SD2.022	EA	11	\$1,200.00	\$13,200.00
811.36	ELECTRIC MANHOLE ADJUSTED	EA	5	\$628.50	\$3,142.50
811.361*	CONCRETE PAD AND ACCESS HATCH ADJUSTED	EA	1	\$6,200.00	\$6,200.00
812.09*	LIGHT STANDARD FOUNDATION PRECAST	EA	31	\$1,500.00	\$46,500.00

Northern Strand Community Trail Extension  
HOWARD STEIN HUDSON

Bid Price District: 4  
Date: 1/3/2020

### FINAL ESTIMATE - SITE CENTERS - DRAFT

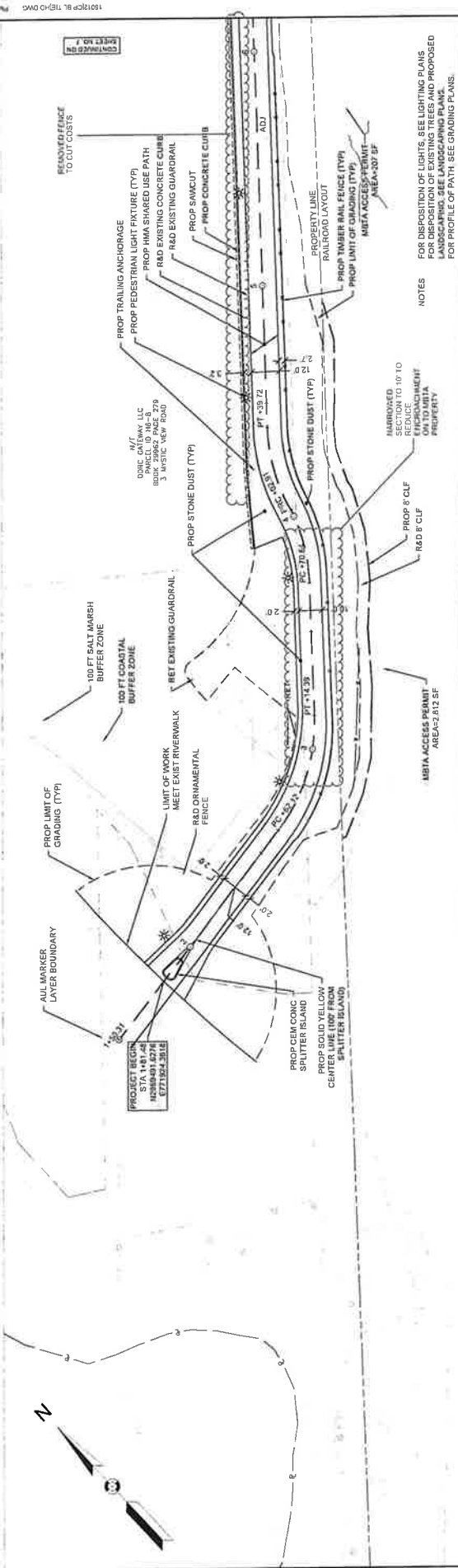
Item No.	Description	Units	Total Quantity	Average Bid Price	Estimated Cost
813.30*	WIRE TYPE 7 NO. 10 GENERAL PURPOSE	FT	5000	\$1.50	\$7,500.00
813.32*	WIRE TYPE 7 NO. 6 GENERAL PURPOSE	FT	5400	\$2.50	\$13,500.00
813.33*	WIRE TYPE 7 NO. 4 GENERAL PURPOSE	FT	5200	\$2.00	\$10,400.00
813.51*	WIRE TYPE NO. 9 FIBER OPTIC CABLE	FT	7300	\$0.50	\$3,650.00
813.72*	GROUND ROD 10 FEET LONG	EA	7	\$185.00	\$1,295.00
813.521*	WIRE TYPE 10 - #6 GROUNDING AND BONDING	FT	7800	\$2.50	\$19,500.00
823.XX	LIGHT FIXTURE TYPE A (PEDESTRIAN)	EA	31	\$12,000.00	\$372,000.00
823.62	HIGHWAY LIGHTING LOAD CENTER NO.2	LS	1	\$40,000.00	\$40,000.00
823.71*	HIGHWAY LIGHTING POLE AND LUMINAIRE REMOVE AND STACKED	EA	3	\$800.00	\$2,400.00
	FIBER/CAT-6 INSTALL	LS	1	\$7,000.00	\$7,000.00
	CAMERA	EA	21	\$1,900.00	\$39,900.00
	CAMERA PENDANT CAP	EA	21	\$210.00	\$4,410.00
	LICENSE / CAMERA	LS	21	\$225.00	\$4,725.00
	SERVER (LOC IN POLICE DEPT.)	LS	1	\$11,000.00	\$11,000.00
	CAMERA DISTRIBUTION BOX	EA	4	\$2,400.00	\$9,600.00
	CAMERA DISTRIBUTION BOX CABINET	EA	4	\$1,600.00	\$6,400.00
	CAMERA DISTRIBUTION BOX CONCRETE PAD	EA	4	\$1,500.00	\$6,000.00
	ANTENNA	EA	1	\$1,750.00	\$1,750.00
832	WARNING-REGULATORY AND ROUTE MARKER - ALUMINUM PANEL (TYPE A)	SF	20	\$13.00	\$260.00
867.106	6 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)	FT	150	\$1.50	\$225.00
877.3	SIGN POST 2 INCH STEEL	EA	4	\$225.00	\$900.00
949.01*	HELICAL PILE FOUNDATIONS	EA	72	\$3,000.00	\$216,000.00
955.012*	BOARDWALK WITH RAILING	LS	1	\$108,000.00	\$108,000.00
<b>SUBTOTAL</b>					<b>\$2,078,234</b>
<b>TEMPORARY TRAFFIC CONTROL*</b>					<b>\$15,000</b>
to be determined at final design					
<b>CONTINGENCY 15%</b>					<b>\$311,735</b>
<b>TOTAL</b>					<b>\$2,404,969</b>
<b>TOTAL ESTIMATE SAY</b>					<b>\$2,410,000</b>



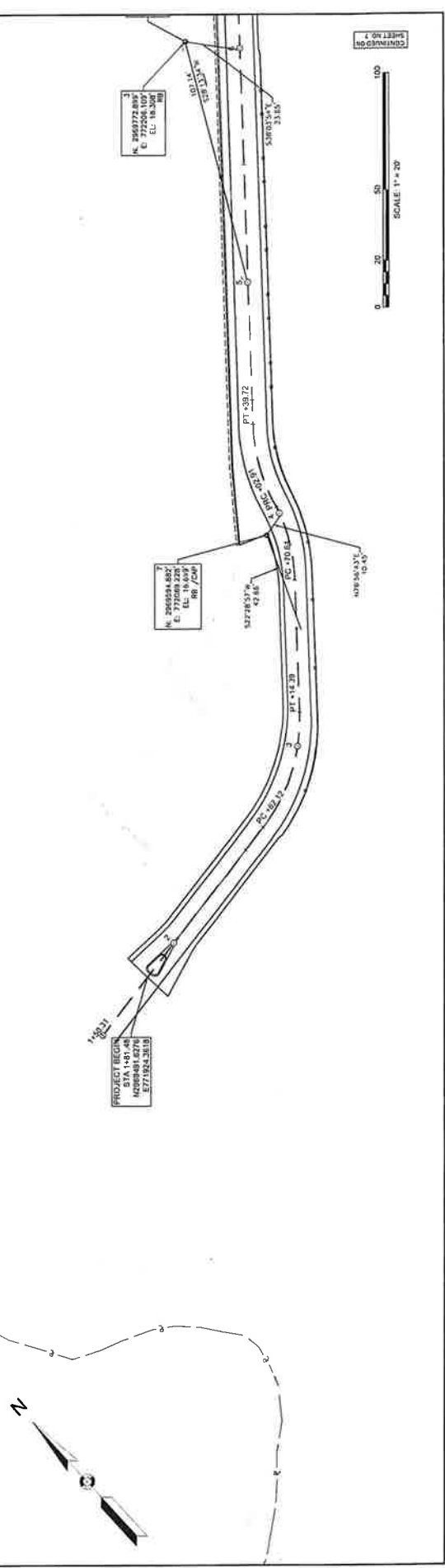
EVERETT  
NORTHERN STRAND  
COMMUNITY TRAIL EXTENSION

NO.	DATE	REVISION
1	10/07/2019	ISSUED FOR PERMIT
2	10/07/2019	REVISED FOR COMMENTS
3	10/07/2019	REVISED FOR COMMENTS
4	10/07/2019	REVISED FOR COMMENTS
5	10/07/2019	REVISED FOR COMMENTS
6	10/07/2019	REVISED FOR COMMENTS
7	10/07/2019	REVISED FOR COMMENTS
8	10/07/2019	REVISED FOR COMMENTS
9	10/07/2019	REVISED FOR COMMENTS
10	10/07/2019	REVISED FOR COMMENTS

BASELINE TIES AND CONSTRUCTION PLANS



NOTES  
FOR DISPOSITION OF LIGHTS, SEE LIGHTING PLANS  
FOR DISPOSITION OF GRADING, SEE GRADING PLANS  
FOR PROFILE OF PATH, SEE GRADING PLANS.



SCALE 1" = 20'

CONTINUATION

EVERETT  
NORTHERN STRAND  
COMMUNITY TRAIL EXTENSION

DATE	BY	REVISION
10/01/2019	10/01/2019	10/01/2019
10/01/2019	10/01/2019	10/01/2019
10/01/2019	10/01/2019	10/01/2019

BASELINE TIES AND CONSTRUCTION PLANS

NT  
DIRE. CATEWAY, LLC  
BOOK 25582 PAGE 279  
3 MYSTIC VIEW ROAD

REMOVED SIDE  
DRAINAGE DITCH  
SIDE TO REDUCE  
COSTS

PROP HMA SHARED USE PATH  
RAD EXISTING CONCRETE CURB  
PROP SAWCUT  
PROP CONCRETE CURB

ADJ CONC PAD AND  
ACCESS GATE  
EXISTING ELEV. 16.91  
PROP ELEV. 16.01

PROP TIMBER RAIL FENCE (TYP)

PROP STONE DUST (TYP)

PROP CONCRETE CURB

ADJ CONC PAD AND  
ACCESS GATE  
EXISTING ELEV. 16.91  
PROP ELEV. 16.01

PROP HMA SHARED USE PATH  
RAD EXISTING CONCRETE CURB  
PROP SAWCUT  
PROP CONCRETE CURB

ADJ CONC PAD AND  
ACCESS GATE  
EXISTING ELEV. 16.91  
PROP ELEV. 16.01

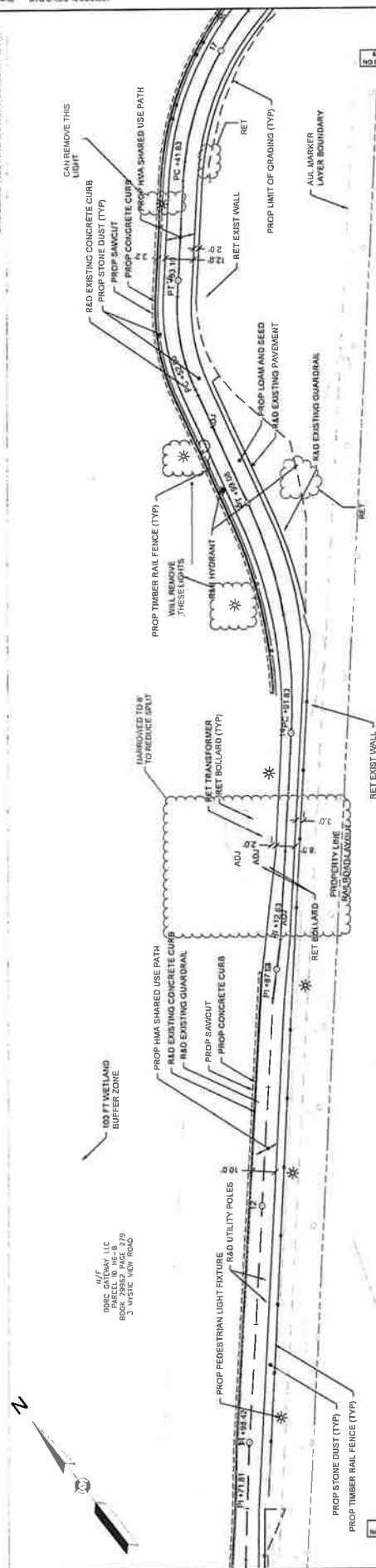
PROP HMA SHARED USE PATH  
RAD EXISTING CONCRETE CURB  
PROP SAWCUT  
PROP CONCRETE CURB

ADJ CONC PAD AND  
ACCESS GATE  
EXISTING ELEV. 16.91  
PROP ELEV. 16.01



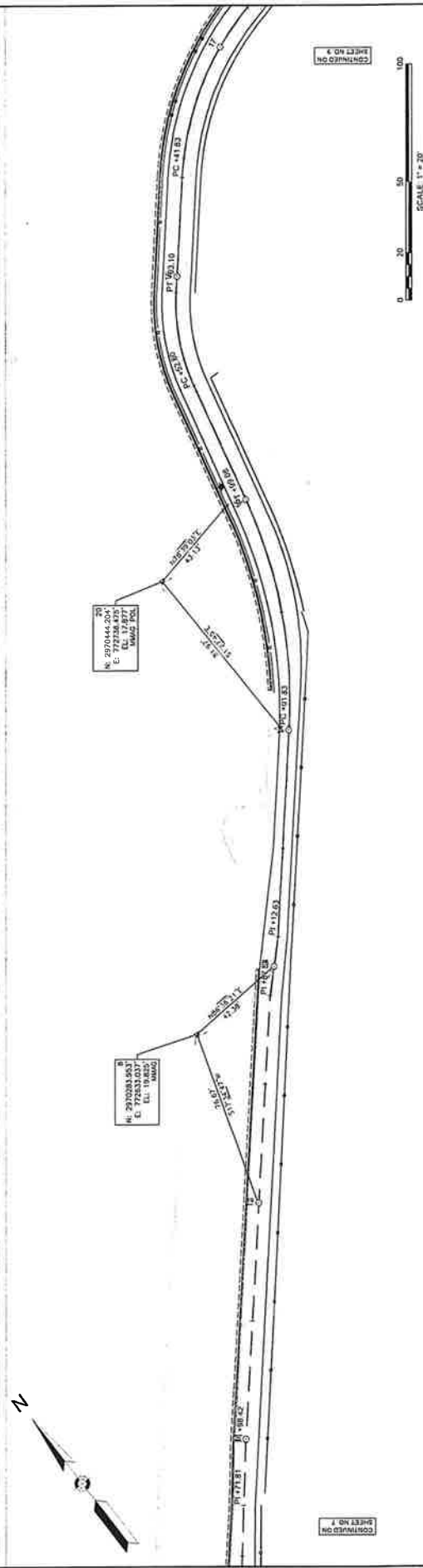
[illegible]

## BASELINE TIES AND CONSTRUCTION PLANS



## NOTES

FOR DISPOSITION OF LIGHTS. SEE LIGHTING PLANS  
FOR DISPOSITION OF EXISTING TREES AND PROPOSED  
LANDSCAPING. SEE LANDSCAPING PLANS.  
FOR PROFILE OF PATH. SEE GRADING PLANS.

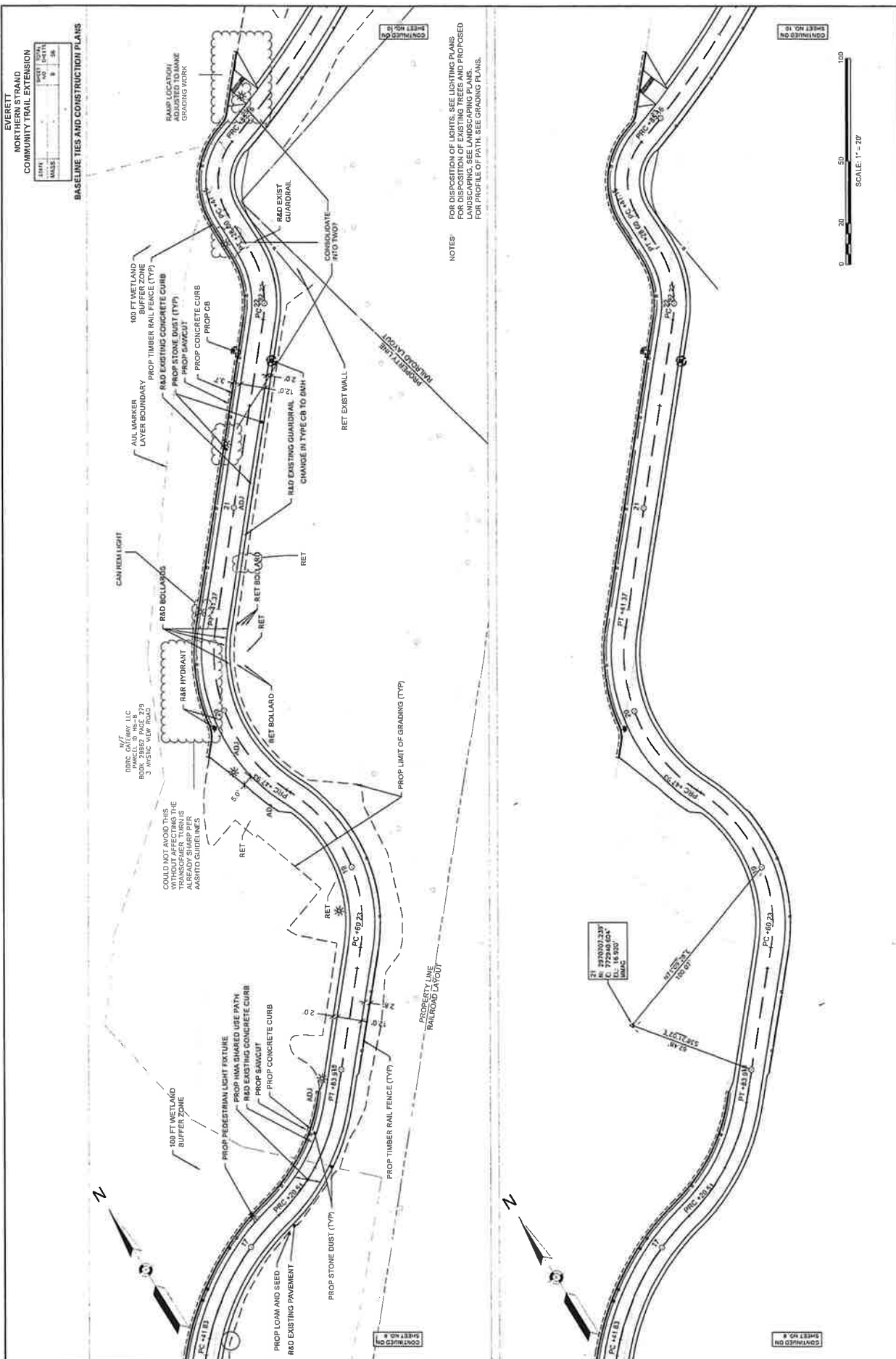


97	8	2500
NAILED ON		
12/28		11/13

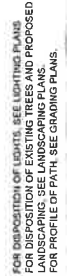
BY NOT LISTING  
NO CONTINUING

NOTES

NO OPENING  
ON LEFT



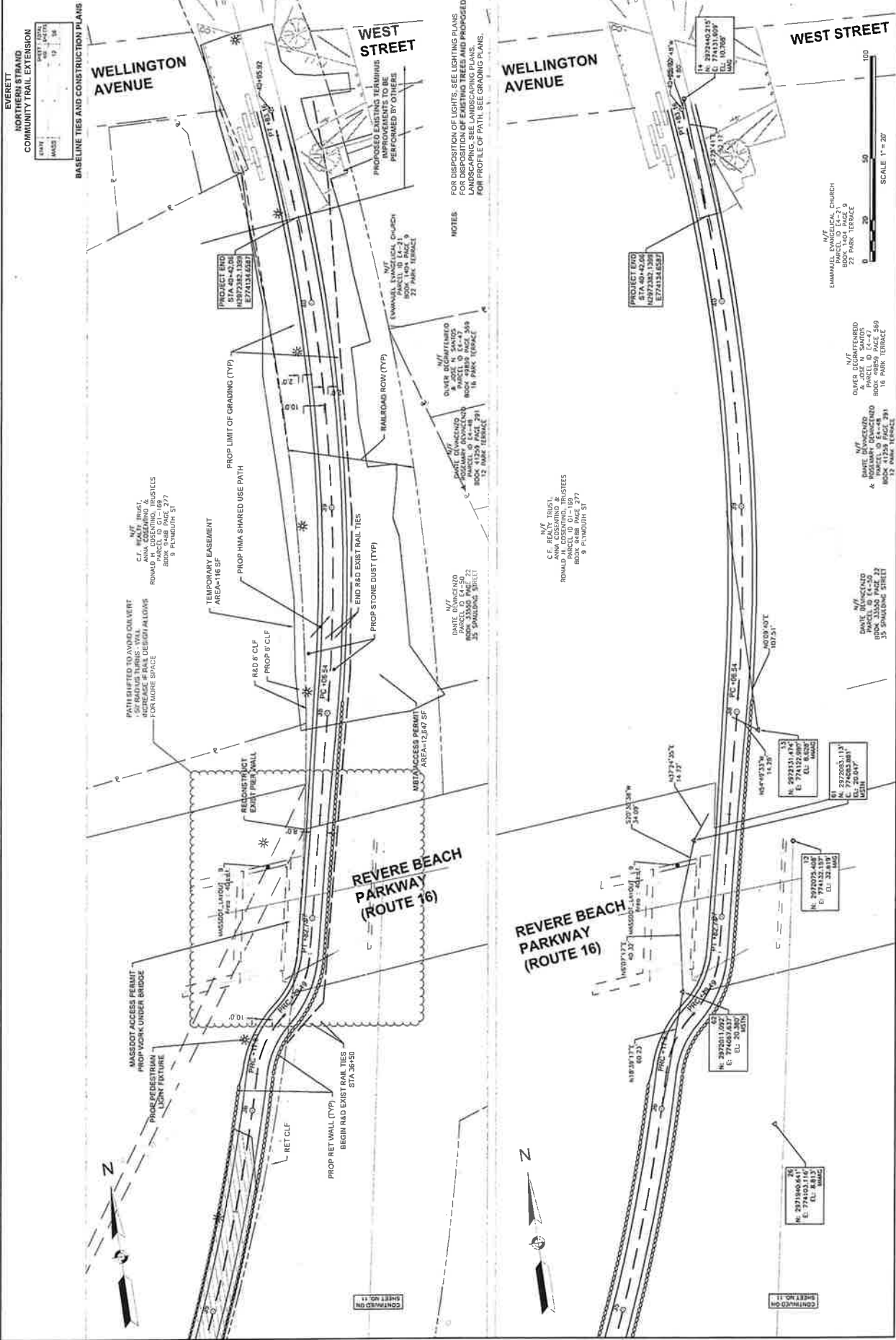
TATE	DATE	TOTAL
100	10	100
100	10	100



FOR DISPOSITION OF LIGHTS, SEE LIGHTING PLANS.  
FOR DISPOSITION OF EXISTING TREES AND PROPOSED  
LANDSCAPING, SEE LANDSCAPING PLANS.  
FOR PROFILE OF PATH, SEE GRADING PLANS.

SCALE: 1" = 20'





EVERETT  
NORTHERN STRAND  
COMMUNITY TRAIL EXTENSION

BASELINE TIES AND CONSTRUCTION PLANS

WELLINGTON AVENUE

WEST STREET

WELLINGTON AVENUE

WEST STREET

REVERE BEACH PARKWAY (ROUTE 16)

REVERE BEACH PARKWAY (ROUTE 16)

N/T  
C.F. BEATTY TRUST  
ANNA COSKINS & SONS  
PARCEL D 01-189  
BRIDGE 100' WIDE  
9' F.W. WIDTH ST

N/T  
C.F. BEATTY TRUST  
ANNA COSKINS & SONS  
PARCEL D 01-189  
BRIDGE 100' WIDE  
9' F.W. WIDTH ST

TEMPORARY EASEMENT  
AREA=16 SF

PROPOSED HMA SHARED USE PATH

PROPOSED LIMIT OF GRADING (TYP)

RAILROAD ROW (TYP)

END RAD EXIST NAIL TIES

PROPOSED STONE DUST (TYP)

END RAD EXIST NAIL TIES

PROPOSED STONE DUST (TYP)

END RAD EXIST NAIL TIES

PROPOSED STONE DUST (TYP)

END RAD EXIST NAIL TIES

PROPOSED STONE DUST (TYP)

END RAD EXIST NAIL TIES

PROPOSED STONE DUST (TYP)

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PROPOSED STONE DUST (TYP)

END RAD EXIST NAIL TIES

PROPOSED STONE DUST (TYP)

END RAD EXIST NAIL TIES

PROPOSED STONE DUST (TYP)

END RAD EXIST NAIL TIES

PROPOSED STONE DUST (TYP)

SHEET NO. 11

CONTINUED ON

SHEET NO. 11

CONTINUED ON

