# NORTH TRANSFER STATION CAPITAL PROJECT REVIEW SEATTLE DESIGN COMMISSION



**November 21, 2013** 

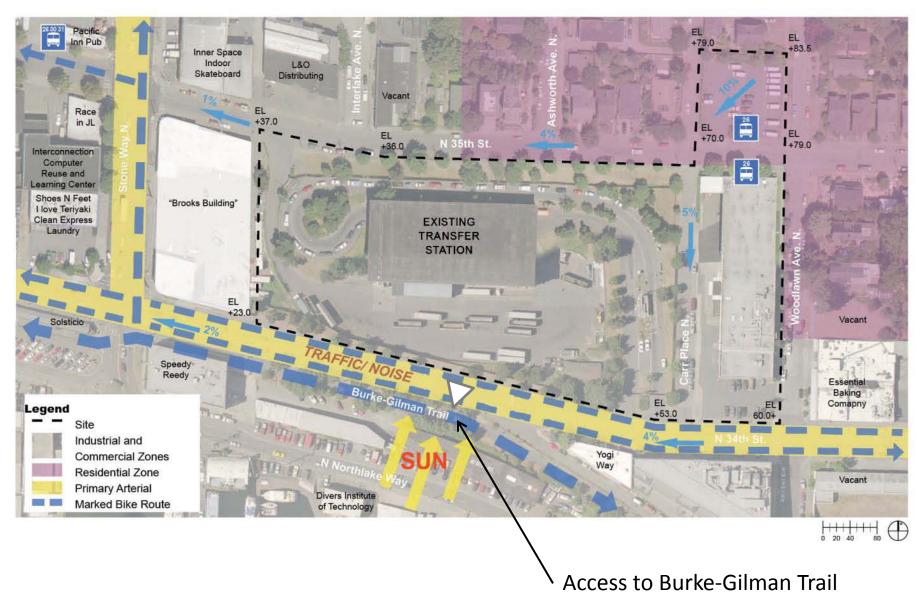
#### **Design Commission Schedule**

TBD (Early 2014)

November 2013	60% design update	
October 2013	Seek input on 30% design package	
February 2013	Public Benefit, Carr Place N Street Vacation	
November 2012	Urban Design Merit, Carr Place N Street Vacation	
June 2011	Review North Transfer tentatively selected concept	
December 2010	Review North Transfer alternative design concepts	
October 2007	Master Plan update	
September 2006	Solid Waste Transfer Master Plan, Intermodal Facility	

90% design update

#### **North Transfer Station: Site Recap**



### PROJECT REQUIREMENTS



North Transfer Station Design Constraints				
Category	Types of Constraints	SDC Interests Impacted	Result of Constraint	
EIS  Building Codes  Regulatory Agencies  Reviewing Authorities	Building Code requirements Permit conditions Noise Ordinance limits Agency direction	Available planting palette.  Elimination of street trees to open up viewing corridors.	Dept. of Ecology and King County Public Health have directed design to address vector control through plant selection and placement.  Through the SIP permitting process, SDOT requires trees along roadways. Viable existing trees are not allowed to be removed, and any non-viable existing trees must be replaced.	
Wallingford Community Council Agreement Fremont Neighborhood Council Agreement	Building setbacks Building height limitations Sound wall height and extent Park features and arrangement	Remove or reduce height of north sound wall.  Modulate sound wall.  Landscaping to match scale of neighborhood.	Height and extent of sound wall stipulated by signed community agreement.  Agreements stipulate sound wall setback and minimum buffer area that precludes modulation.  Landscaping provisions in park reflect results of two years of developing preferences with the designated community representatives.	
Functional and Operational Requirements	Minimum vehicle clearances  Damage-resistant and low- maintenance building materials  Design for vector control  Staff and customer safety  Crime Prevention Through Environmental Design (CPTED)	Expanded public space and visitor access/experience at station.  Enhanced color, materials, and texture palettes.	Need to separate visitors from working areas, and maintain building security standards.  Need unbreakable, un-climbable, washable surfaces that will accept anti-graffiti coating.  Park planting and lighting decisions guided by CPTED	
Budget	Fixed construction cost budget Estimated cost already in excess of budget	Walls along N34th and N35th are too plain and monolithic.  Expanded public space and visitor access/experience at station.  Enhanced color, materials, and texture palettes.  Artist integration into design.	Budget limits options for enhancement.	

#### Limits Set per Predesign & Neighborhood Agreement

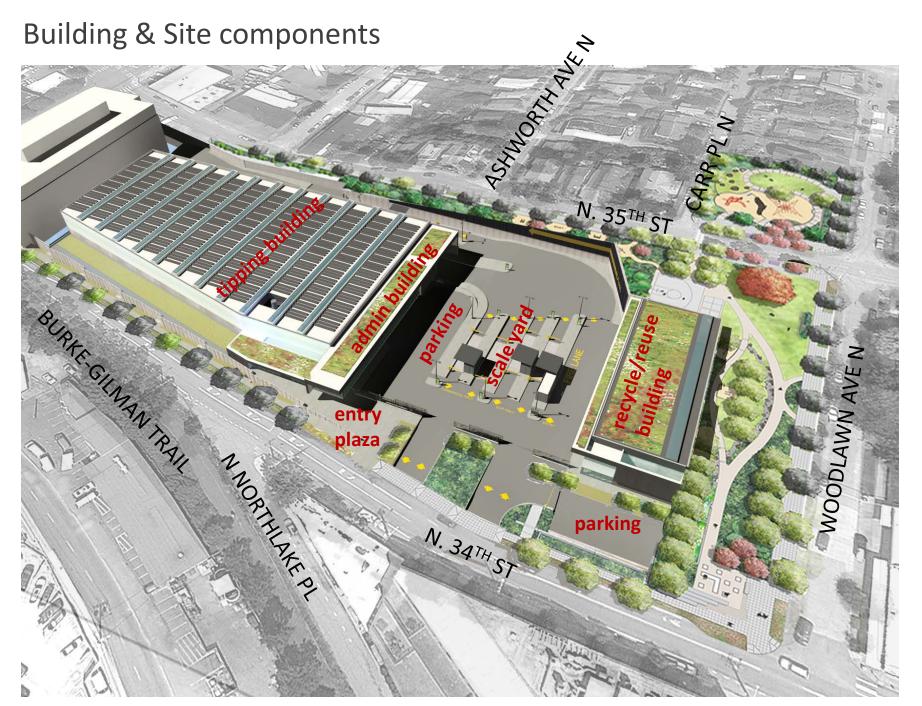
: massing : maximum heights : north edge buffer

: circulation : setbacks : sound wall height and location



#### **DESIGN REVIEW**







#### **DESIGN - MATERIALITY**



#### **Textures and Patterns**

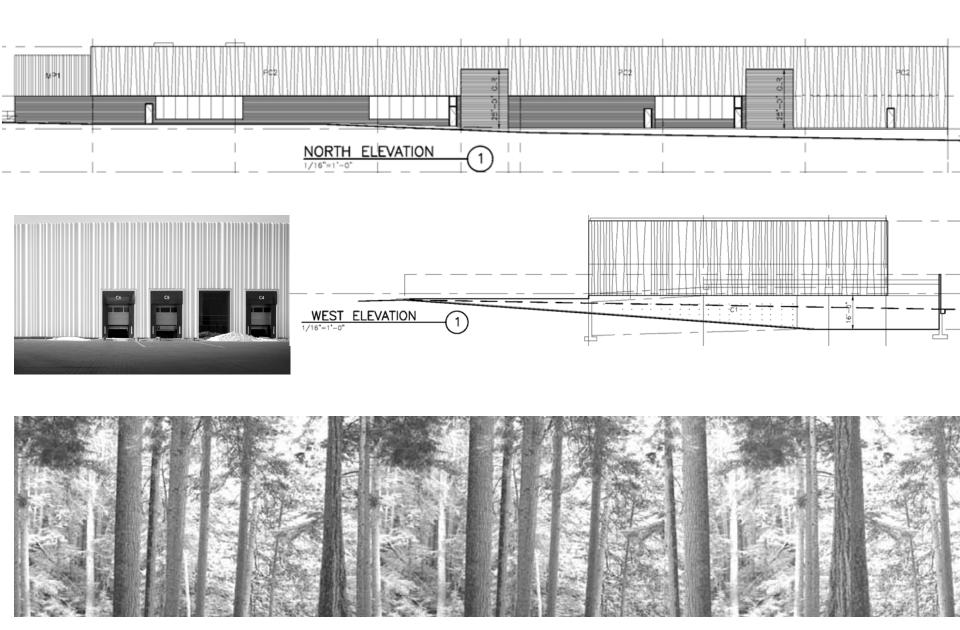






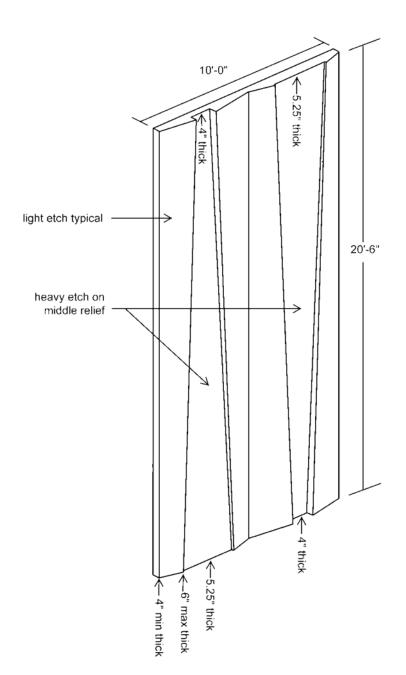


#### **Texture and Patterns**

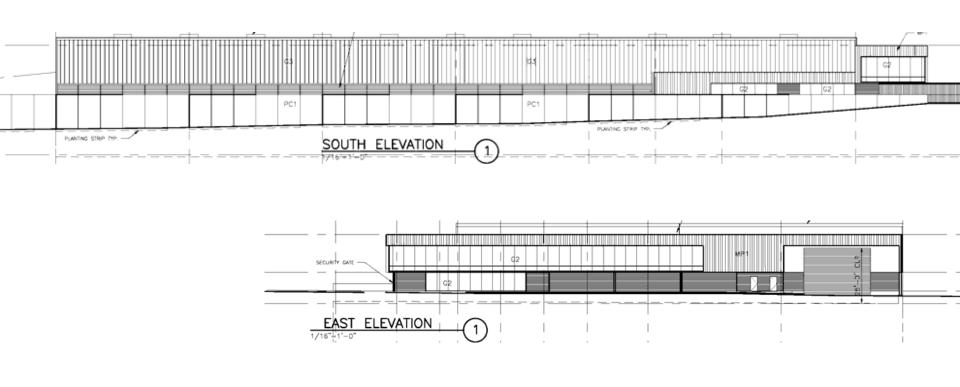


# Formed and Etched precast panels





# Texture and Pattern Masonry base, random metal panel, translucent panels

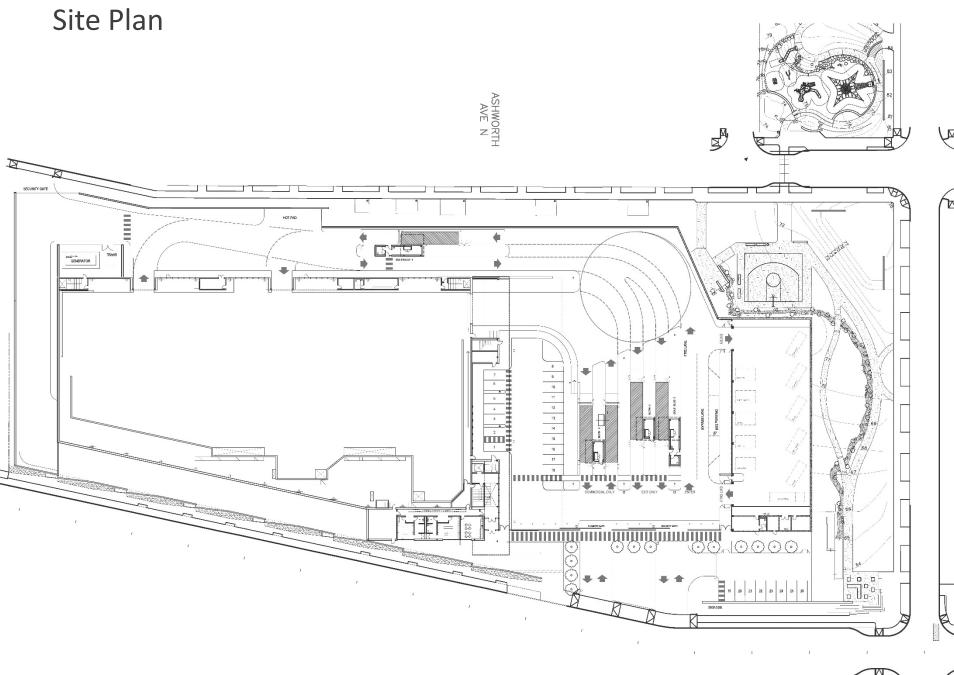




## **PUBLIC SPACES**

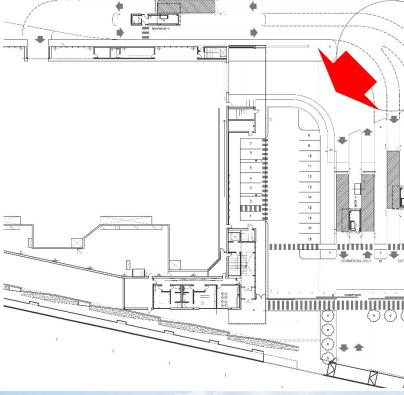






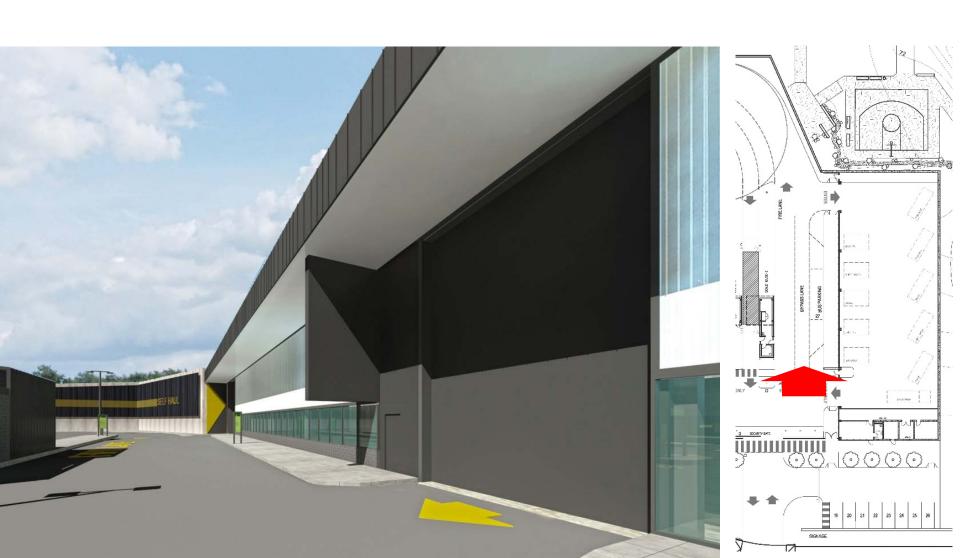


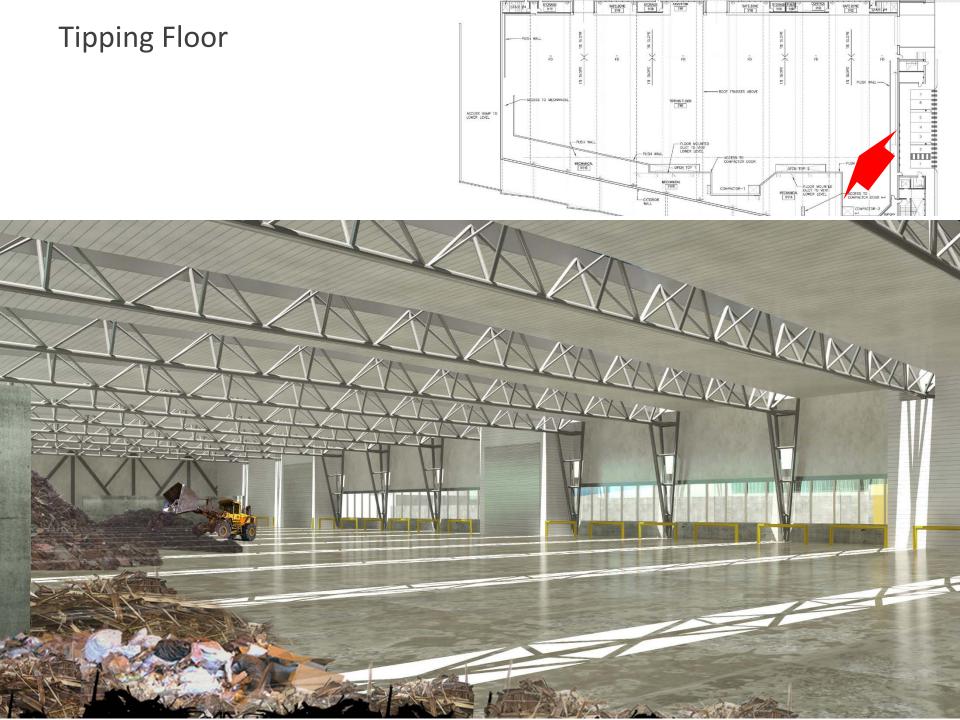
#### Transfer and administration building

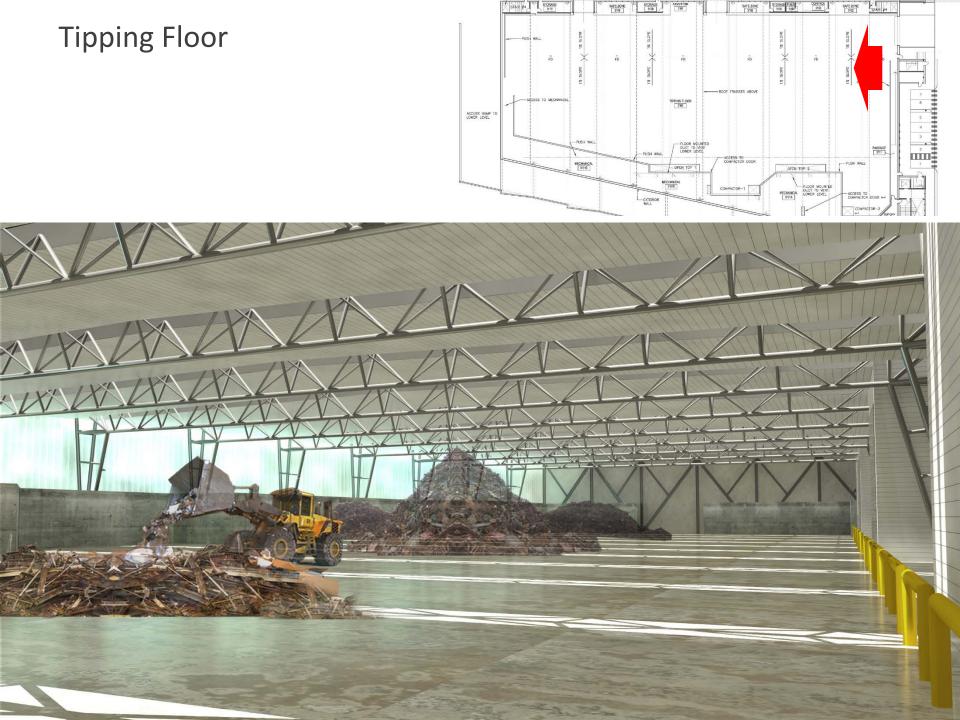




#### Recycling and reuse building





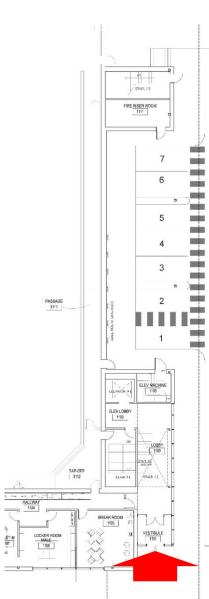


# Scale Plaza

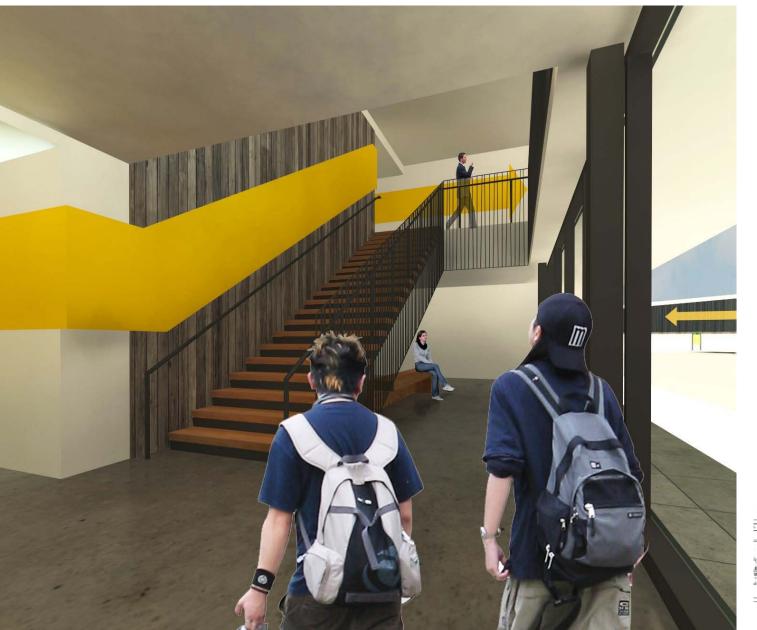


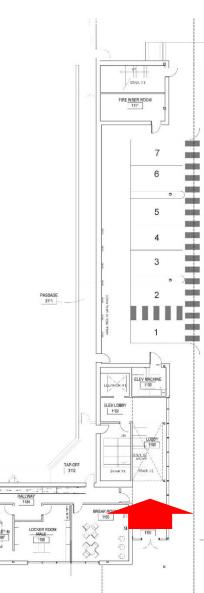
#### Administration Entry



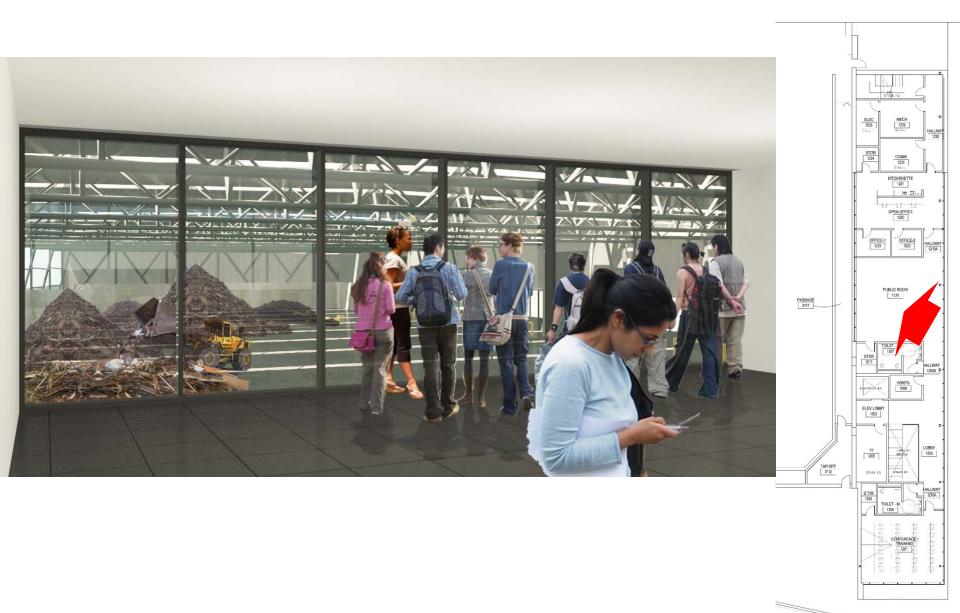


#### Administration Lobby





#### Second level Viewing Room



# EDGE CONDITIONS N. 35<sup>th</sup> Street Edge

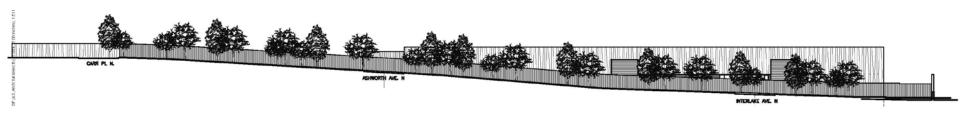


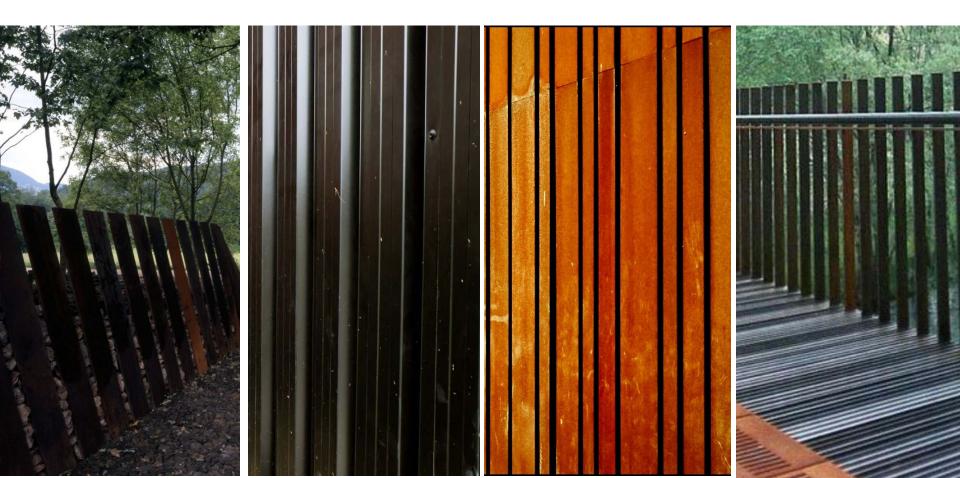
#### North Wall Edge Conditions





#### North Wall Edge Conditions



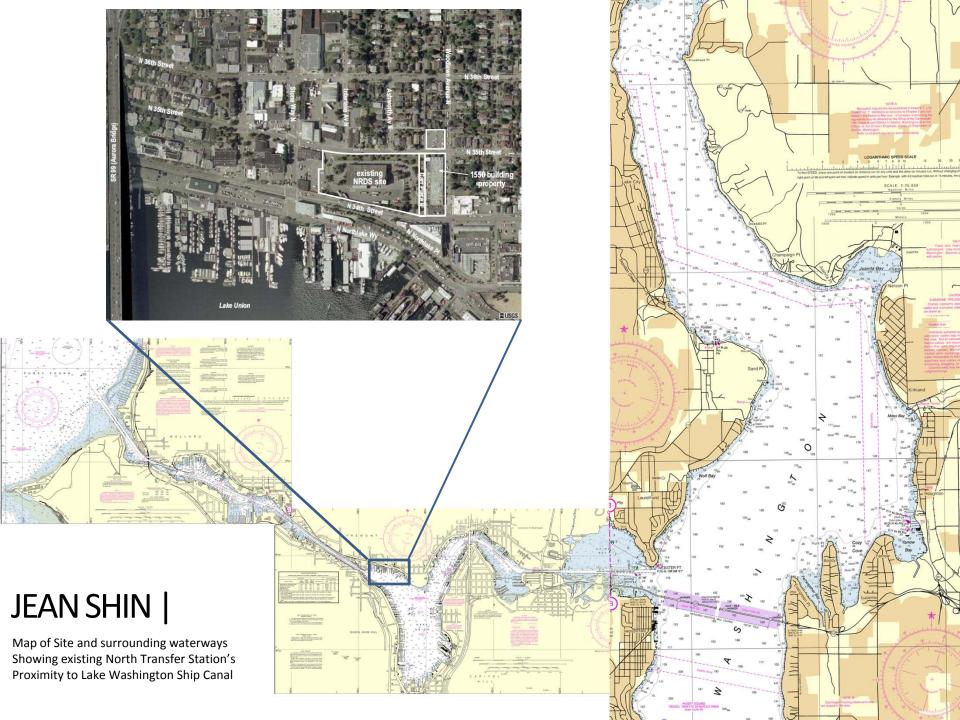


# SOUTH WALL & PUBLIC ART N. 34<sup>th</sup> Street Edge





Public Art for North Transfer Station Seattle Public Utilities November 19, 2013







### JEAN SHIN | Historical images of the Lake Washington Ship Canal

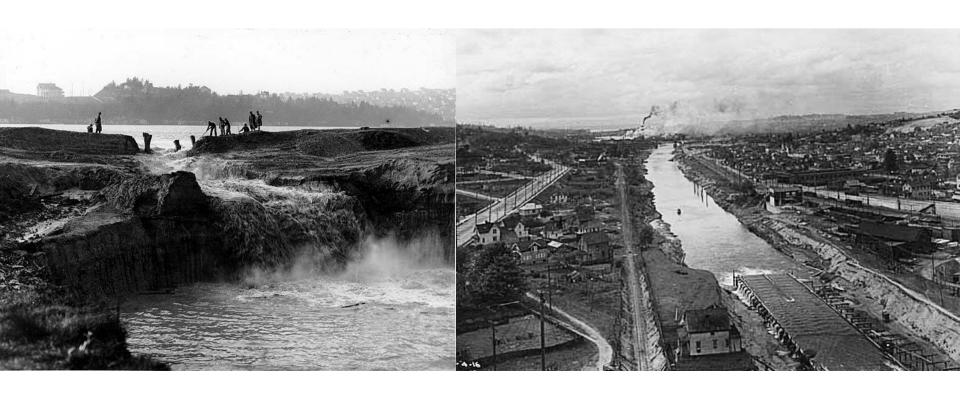


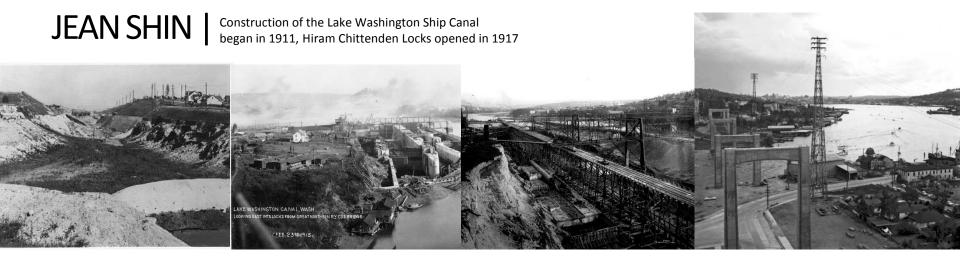


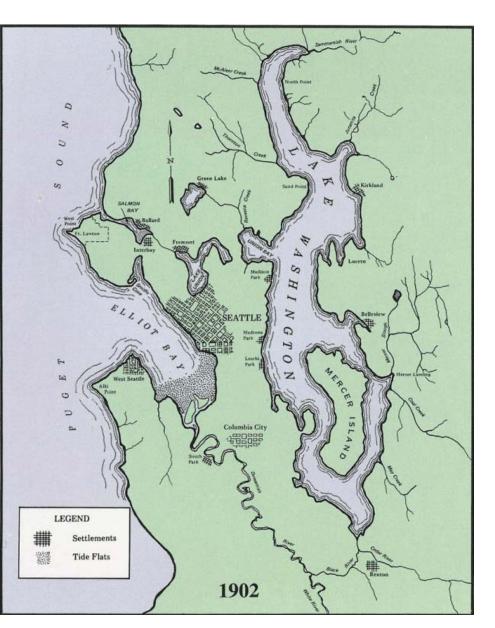


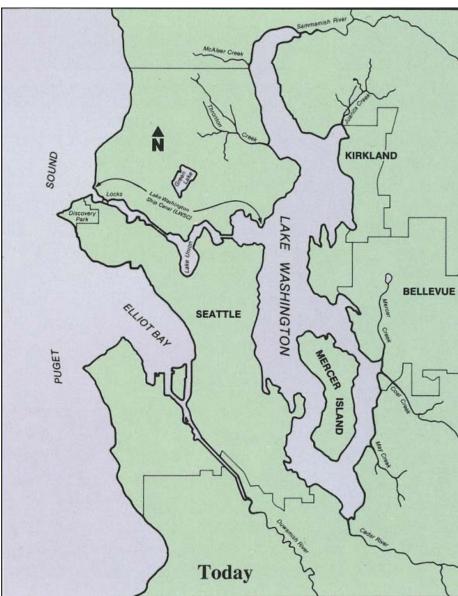
LAKE WASHINGTON SHIP CANAL Seattle, Washington

> SEATTLE DISTRICT CORPS OF ENGINEERS U.S. ARMY









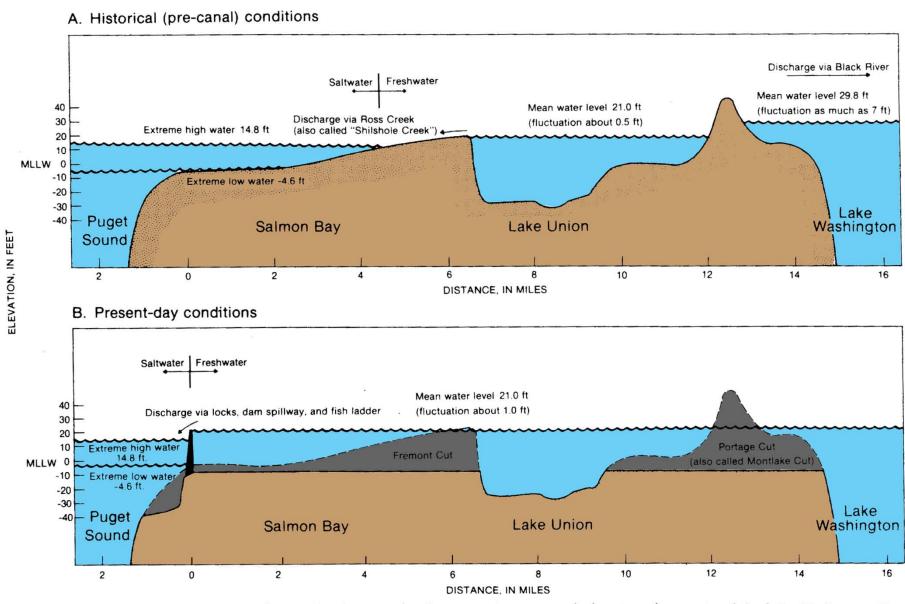
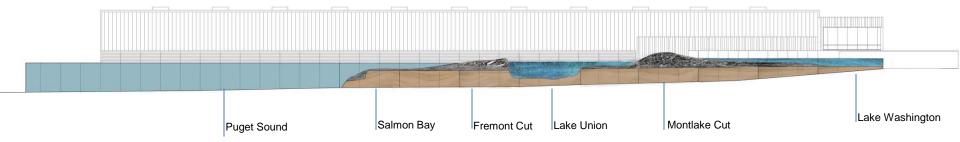


Figure 6. — Schematic sections comparing historical and present-day bottom configuration and elevations along route of the Lake Washington Ship Canal. All water elevations are in feet above or below (-) mean lower low water (MLLW)



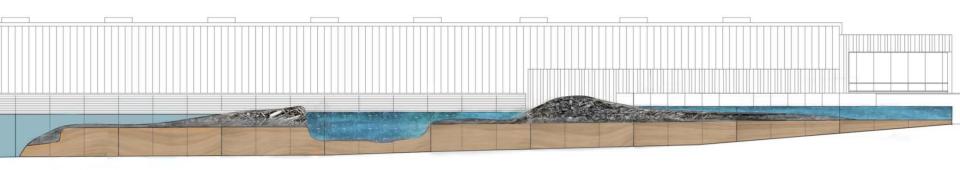
#### JEAN SHIN |

Public Art for North Transfer Station Seattle Public Utilities November 19, 2013

Art along 34<sup>th</sup> Street Wall highlights site's proximity to Seattle's waterways, both natural and man-made landscapes.

Work features dynamic cross section of the historical elevation of Lake Washington Ship Canal route

Seattle's geological changes are transformed into recycled materials collected from the community and speaks to Transfer Station's activities toward zero waste.





#### **3 ELEMENTS AND MATERIALS**

#### Fresh Water: (BLUE)

Tempered glass vitrine filled with crushed blue & clear recycled glass [Lake Union and Lake Washington]



#### **Excavated Land (GREY):**

Stainless steel objects collected from Transfer Station and community [Fremont and Montlake Cut)

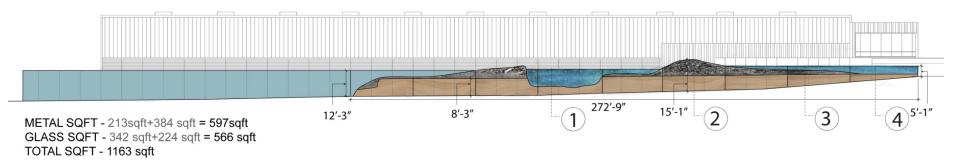


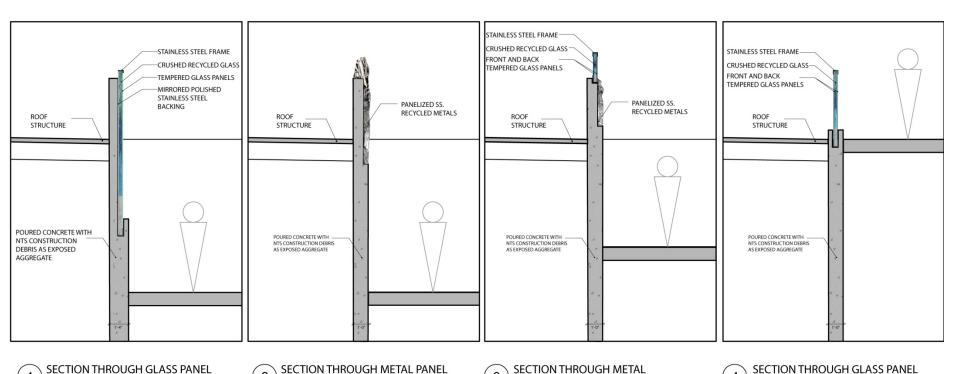
#### **Existing Landscape**

Exposed aggregate concrete using former building materials [BEIGE] using recycled blue glass with integral color [GREY/BLUE] Integrated with Architect's wall design

JEAN SHIN |

Public Art for North Transfer Station Seattle Public Utilities November 19, 2013





SECTION THROUGH METAL

+ GLASS PANEL

SECTION THROUGH GLASS PANEL

**JEAN SHIN** 

+ REFLECTIVE BACKING

Art Elevation with dimensions and square footage **Section Details** Public Art for North Transfer Station **Seattle Public Utilities** November 19, 2013

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SECTION THROUGH METAL PANEL





Zero waste and future sustainability Site plan with Art location in red Public Art for North Transfer Station Seattle Public Utilities November 19, 2013





Perspective View 1 Art near Entrance Plaza Public Art for North Transfer Station Seattle Public Utilities November 19, 2013



Perspective View 2 Art Along 34<sup>th</sup> Street Sidewalk Public Art for North Transfer Station Seattle Public Utilities November 19, 2013



Perspective View 3
Art Along 34<sup>th</sup> Street Sidewalk
Public Art for North Transfer Station
Seattle Public Utilities
November 19, 2013

# **LANDSCAPE**



#### Site Plan: Summary



- Accessible Gathering Spaces
- Public Art
- Green Factor (0.4)
- **Curb Bulbs and Street Crossings**
- Sustainability
- **CPTED**
- **Decorative Fencing**
- Green Roof (Extensive)
- Street Trees (Keep Existing)
- Fitness Stations (N 34<sup>th</sup> & Site)
- Walkways through Trees
- Flexible Open Space (Lawn)
- Sport Court(s) (BB & 4 Square)
- Children's Play (Equip. & Nat'l)



#### Site Plan: Revisions





Previous Current 45

#### Planting Design Criteria



#### Criteria

- FAA Anti-Vector Compliance
- Drought tolerant
- CPTED compliant (Shrub Maximum Ht @ 3 ft)
- Maintenance (Lawn and Shrub Drifts)
- Large specimen tree
- Keep existing street trees & infill where there are gaps.
- Site trees layout in copses

#### APPROVED AND REJECTED PLANT LIST FOR VECTOR CONTROL

http://www.portseattle.org/Environmental/Water-Wetlands-Wildlife/Pages/Wildlife-Management.aspx

WORKING DRAFT
11/4/2013

Last Revised8/26/03 PGC

USE COLUMN DROPDOWN ARROWS TO SORT BY ATTRIBUTE.					http://www.mobot.org/gardeninghelp/plantfinder/common.asp		
alphabetical) Senus	Species var.	Common Name	Plant Category & Type	Maximum Height (ft)	Maximum Spread	Moistore Regime	Location Permitted
Abeilia	grandiflora	Edward Goucher Abelia	Shrub-Evergreen	5	5	Low Water	LLZ
Lbics	emebilis	Pacific Silver Fir	Tree - Conifer- Evergreen	40-	N/A	Xeric	Mitigation Sites
\bies	grandis	Fir Grand	Tree - Conifer- Evergreen	40+	N/A	Low Water	Outside AOA & LL2
cer	circinatum	Vine Maple	Tree/Shrub	30	20	Low Water	LLZ
cer	macrophyllum	Bigleaf Maple	Tree- Decidnous	70+	70	Xeric	Outside AOA & LL2
grostis	exurata	Spike Bentgrass	Shrub	3	Dispersal	Low Water	Mitigation Sites
lnus	rubra	Red Alder	Tree- Deciduous	40+	N/A	Non-Xeric	Mitigation Sites
lopecurus	geniculatas	Water Foxtail	Ground Cvr • Grass	L	1	Low Water	Mitmation Sites
пелионе	hupehensis	September Charm; Japanese Anemone	Ground Cyr- Decidnous	4	2	Non-Xeric	LLZ
ster	subspicatus douglasii	Douglas Aster	Ground Cvi	4	Dispersal	Low Water	Mitigation Sites
ckrnannia	syzigachne	Slough Grass	Ground Cvr - Grass	3	Dispersal	Low Water	Mitigation Sites
ergenia	bressingham ruby	Bressingham Ruby Berginia	Ground Cvr - Evergreen	1	i i	Low Water	Outside AOA & 142
itula	glandulosa	Swamp Birch	Tree- Deciduous	70	N/A	Non-Xeric	Mitigation Sites
etida	jacquemontii	Jacquemontii Birch	Tree- Deciduous	40-	N/A	Non-Xeric	LLZ.
tula	occidentalis	Red Birch: Water Birch	Tree/Shrub- Deciduous	40÷	N/A	Non-Xeric	LLZ
tula .	papyrifera	Paper Birch	Tree- Deciduous	40-	N/A	Non-Xeric	Outside AOA & LL2
lamagrostis	canadensis	Canadian Reed; Blue Joint	Ground Cvr	4	Dispersal	Low Water	Mitigation Sites
Locedrus	decurrens	Incense Cedar	Tree - Conifer- Evergreen	35	12	Xeric	Outside AOA & LLZ
nex	amplifolia	Maple-leafed Sedge; Big Leaf Sedge	Ground Cvr - Sedge	2	Dispersal	Low Water	Mitigation Sites
rex	morrowii	Variegata; Variegated Japanese Sedge	Ground Cvr • Sedge	2	3	Xeric	Miligation Sites
arex	ntorrowii	Ice Dance	Ground Cvr - Evergreen	1	1	Non-Xeric	Outside AOA & LLZ
urex.	praticola	Meadow Sedge	Ground Cvr - Sedge	2	Dispersal	Low Water	Mitigation Sites
nex	stipata	Sawbeak Sedge	Ground Cvr - Sedge	2	Dispersal	Low Water	Mitigation Sites
anothus	gloriosus	Point Reves Ceanothus	Shrub	2	Creeping	Xeric	LLZ
eanothus	prostrutus	Mahala Mat	Ground Cvr	<1	Creeping	Xeric	LLZ
eanothus	thyrisifloms	Victoria Ceanothus	Tree/Shrub- Evergreen	ų	12	Yeric	14.7
drus	deodara compacta	Deodar Cedar	Tree - Conifer- Evergreen	40+	25	Xeric	Outside AOA & LL2
namaecyparis	nootkatensis	Nootka Cypress	Tree - Conifer- Evergreen	40-	15	Xeric	Outside AOA & LL2
atus	corbariensis (hybridus)	White Rock Rose	Shru b- Evergreen	5	.5	Xeric	LLZ
stus	purpureus	Orchid Rock Rose: Purple Rock Rose	Shrub	10	6	Xeric	LLZ
ematis	armandii	Evergreen Clematis, Armand Clematis	Vine - Climbing - Evergreen	20'	3	Non-Xeric	Outside AOA & LLZ
ematis	cirrhosa var. balearica	Fem Leaved Clematis	Vine - Climbing - Evergreen	12	3	Non-Xeric	Outside AOA & LLZ
rms	nuttallii	Pacific Dogwood	Tree - Deciduous	40+	Dispersal	Xeric	LLZ
pr <del>ess</del> ocypanis	leylandii	Leyland Cypress	Tree - Conifer- Evergreen	40 •	25	Xeric	LLZ
ipressus	sempervirens	Italian Cypress; Mediterranen Cypress	Tree-Conifer-Evergreen	40+	5	Xeric	LLZ
eschampsia	caespitosa	Tufted Hairgrass	Ground Cvr - Grass	2	2	Xeric	Mitigation Sites
ymus	glaucus (racemosa)	Giant Blue Wild Ryc	Ground Cvr - Grass- Herbaccous	5	4	Neric	LLZ
imedium	rubrum	Epimedium	Ground Cvr - Grass- Herbaceous	2	1	Xeric	LLZ
ica	camea	Pink Heather: Springwood Pink	Ground Cvr • Woody	L L	3	Non/Xeric	LLZ
callonia	langleyensis	Apple Blossom Escallonia	Shrub - Evergreen	5	6	Xeric	LLZ
onymus	alatus compactus	Winged Euonymus; Dwarf Burning Bush	Shrub - Deciduous	10	ε	Xeric	LLZ
олушия	fortunei coloratus	Wintercreeper Euonymus	Shrub - Woody- Evergreen	2	3	Xeric	LLZ
stuca	amethysma ovina glauca	Large Blue Fescue	Ground Cvi - Grass- Evergreen	L	I	Non-Xeric	LLZ
axims	latifolia	Oregon Ash	Tree - Deciduous	40+	N/A	Xeric	Outside AOA & LL2
axinus	охусагра	Raywood Ash	Tree - Decidnous	40-	>70	Xeric	Outside AOA & 112
enista	pilosa	Vancouver Gold Broom	Shrub - Evergreen	2	3	Xeric	Mitigation Sites
	macrorrhizum var.						
eranium	ingwersens	Ingwersens cranebill	Ground Cvr - Clumping		3	Xeric	Outside AOA & LLZ

FAA Vector Control Plant List 1

Existing Street Trees (Infill per SDOT)



Globe Maple

**Site Trees** 



Gingko

Jaquemontii Birch



Flowering Ash

Skyrocket Juniper



Marilee Crabapple

#### Shrubs:



### Layering of the Trees – Elevation 1





### Layering of the Trees – Elevation 2





## Layering of the Trees – Elevation 3





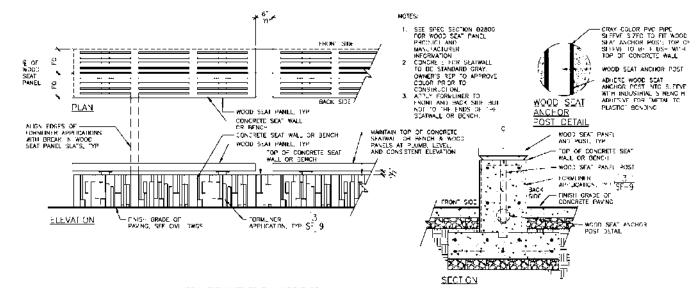
#### Overhead Lines on Woodlawn



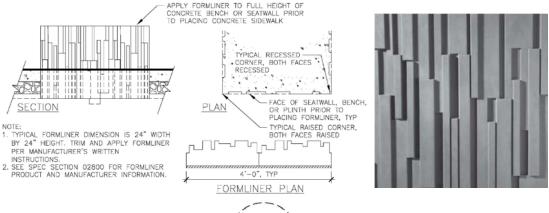


#### Site Details

1) Seat Wall



#### 2) Concrete Texture



#### 3) Fence

