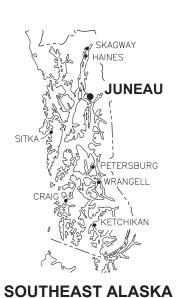
CITY & BOROUGH OF JUNEAU, ALASKA

TAKU SEAWALK RELEVELING PROJECT

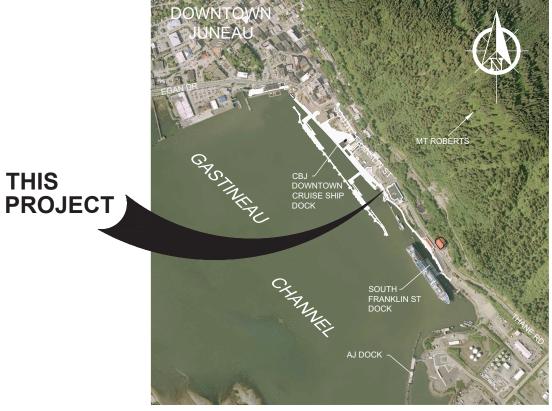
CBJ CONTRACT NO. DH22-007





TIDAL DATA	ELEV. (FT)
HIGHEST OBSERVED WATER LEVEL	+24.58
MEAN HIGHER HIGH WATER (MHHW)	+16.30
MEAN HIGH WATER (MHW)	+15.34
MEAN SEA LEVEL (MSL)	+8.56
MEAN TIDE LEVEL (MTL)	+8.47
MEAN LOWER WATER (MLW)	+1.60
MEAN LOWER LOW WATER (MLLW)	0.0
LOWEST OBSERVED WATER LEVEL	-6.12

FROM: NOAA NOS/CO-OPS STATION ID: 9452210 JUNEAU, ALASKA





DRAWING INDEX					
DWG. NO.	TITLE				
	GENERAL				
G101	TITLE SHEET, VICINITY MAP AND DRAWING INDEX				
G102	LEGEND, ABBREVIATIONS AND GENERAL NOTES				
G103	EXISTING OVERALL SITE PLAN				
	STRUCTURAL				
S101	EXISTING CONDITIONS AND DEMOLITION PLAN				
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S202	SEAWALK RELEVELING ENLARGEMENT PLANS				
S203	SEAWALK RELEVELING DETAILS				
S204	SEAWALK RELEVELING DETAILS				



		REVISIONS			
REV.	DATE	DESCRIPTION	DWN.	CKD.	APP.



9360 Glacier Highway Ste 100 Juneau, Alaska 99801 Phone: 907-586-2093

 SIGN:
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 CHECKED:
 JLD
 SCALE:

 AWN:
 WRB
 APPROVED:
 JLD



CITY & BOROUGH OF JUNEAU, ALASKA TAKU SEAWALK RELEVELING PROJECT CBJ CONTRACT NO. DH22-007

SHEET TITLE:

TITLE SHEET, VICINITY MAP
AND DRAWING INDEX

G101

ABBREVIATIONS н

ı	Α		Н		R	
	@	AT	Н&Т	HUB & TACK	RAD	RADIUS
	AC	ASBESTOS CEMENT PIPE	HD	HEAVY DUTY	RE	RIM ELEVATION
	ACP	ASPHALT CONCRETE PAVEMENT	HDG	HOT-DIPPED GALVANIZED	REF	REFERENCE
	ADD	ADDITIVE	HDPE	HIGH DENSITY POLYETHYLENE	REINF	REINFORCEMENT
	ADJ	ADJUSTABLE	HORIZ	HORIZONTAL	REQD	REQUIRED
	ADO		HSE	HOUSE	RET	RETAINING
	AKDOT&PF	ALASKA DEPARTMENT OF				
	AKDUT&PF	TRANSPORTATION AND PUBLIC FACILITIES	HT	HEIGHT	RO	ROUGH OPENING
			HWY.	HIGHWAY	ROW	RIGHT OF WAY
	ALT	ALTERNATE	1		S	
	APPROX.	APPROXIMATE	IAW	IN ACCORDANCE WITH	S	SOUTH
	ATS	ALASKA TIDELANDS SURVEY	ID	INSIDE DIAMETER	SCHED	SCHEDULE
	AWS	AMERICAN WELDING SOCIETY	ΙE	INVERT ELEVATION	SD	STORM DRAIN
	В		IN	INCH	SDI	STORM DRAIN INLET STRUCTURE
	BLDG	BUILDING	IP	IRON PIPE	SDO	STORM DRAIN OUTLET STRUCTURE
	BTM, BOT	BOTTOM	INV	INVERT	SDR	STANDARD DIMENSION RATIO
	С		J		SF	SQUARE FOOT
	C&G	CURB & GUTTER	JB	JUNCTION BOX	SHLDR	SHOULDER
	CB	CATCH BASIN	L		SI	STREET INTERSECTION
	CBJ	CITY AND BOROUGH OF JUNEAU	LBS	POUNDS	SPEC	SPECIFICATION (S)
	CIP	CAST-IN-PLACE	LF	LINEAR FEET	SQ	SQUARE
	CJ	CONTROL JOINT	LL	LIVE LOAD	SRB	SHOT ROCK BORROW
	Ç.	CENTER LINE	LOC	LOCATION	SSC	SANITARY SEWER CONNECTION
	_					
	CLR	CLEAR	LS	LUMP SUM	SS	STAINLESS STEEL, SANITARY SEWER
	CMP	CORRUGATED METAL PIPE	М		SDMH	STORM DRAIN MANHOLE
	CONC.	CONCRETE	MAX	MAXIMUM	SSMH	SANITARY SEWER MANHOLE
	CP	COMPLETE PENETRATION	ME	MATCH EXISTING	STA	STATION
	CPP	CORRUGATED POLYETHYLENE PIPE	MECH	MECHANICAL	STD	STANDARD
	COR	CORNER	MFR	MANUFACTURE (R)	STL	STEEL
	CSC	COUNTERSINK	МН	MANHOLE	STRG	STRONG
	CY	CUBIC YARD	MJ	MECHANICAL JOINT	SW	SIDEWALK
	D		MIN	MINIMUM	SWR	SEWER
	D/DIA	DIAMETER	MLLW	MEAN LOWER LOW WATER	SY	SQUARE YARD
	DBL	DOUBLE	MSE	MECHANICALLY STABILIZED EARTH	SYM	SYMMETRICAL
	DIP	DUCTILE IRON PIPE	MTL	MATERIAL (S)	Т	
	DIM	DIMENSION	N	· /	t.	THICK
	DN	DOWN	N	NORTH	T&B	TOP AND BOTTOM
	DTL	DETAIL	NFS	NON FROST SUSCEPTIBLE	T&G	TONGUE AND GROOVE
	E	DE ITALE	NO	NUMBER	TBC	TOP BACK OF CURB
	E	EAST	NTS	NOT TO SCALE	TBD	TO BE DETERMINED
	EA.	EACH	0	NOT TO SCALE	TD	TRENCH DRAIN
	EG.	EXISTING GROUND	OC OC	ON CENTED	TEL	TELEPHONE
			OD	ON CENTER		
	EJ (EL EV	EXPANSION JOINT		OUTSIDE DIAMETER	TEMP	TEMPERATURE, TEMPORARY
	EL/ELEV	ELEVATION	OHE	OVERHEAD ELECTRICAL	TYP	TYPICAL
	EQ	EQUAL	OWS	OIL-WATER SEPARATOR	U	
	EQUIP	EQUIPMENT	Р		UON	UNLESS OTHERWISE NOTED
	EXIST	EXISTING	Р	PIPE	UPC	UNIFORM PLUMBING CODE
	F		PC	POINT OF CURVATURE, PIECE	USCG	UNITED STATES COAST GUARD
	FC	FACE OF CURB	PCC	PRECAST CONCRETE	V	
ĺ	FD	FLOOR DRAIN	PED	PEDESTAL	VB	VALVE BOX
	FG	FINISH GRADE	PI	POINT OF INTERSECTION	VERT	VERTICAL
ĺ	FH	FIRE HYDRANT, FLAT HEAD	PL	PROPERTY LINE, PLATE	W	
ĺ	FIN	FINISH (ED)	PRV	PRESSURE REDUCING VALVE	W	WEST
ĺ	FM	FORCE MAIN SEWER	PSI	POUND PER SQUARE INCH	w/	WITH
	FT	FOOT	PT	POINT, PRESSURE TREATED.	WD	WOOD
				,	****	

POINT OF TANGENCY

POLY VINYL CHLORIDE

QUANTITY

QTY

POINT OF VERTICAL CURVATURE,

<u>EXISTING</u>	THIS PROJECT	
T		TELEPHONE PEDESTAL
V		TELEVISION PEDESTAL
E		ELECTRICAL PEDESTAL
x <u></u> x		FENCE
— FU _A ——		FUEL LINE (ABANDONED)
—— FO u ———		FUEL LINE
— Е _А —— — Eux ——		ELECTRICAL (ABANDONED) ELECTRICAL (UNDERGROUND)
— OHE _X ——		ELECTRICAL (OVERHEAD)
— w _x ——		WATER
ss _x		SANITARY SEWER
ROW		RIGHT-OF-WAY
— Cu _x ——		COMMUNICATION (CABLE/TEL)
sd X		STORM DRAIN
— FM _× ——		FORCE MAIN
— FD× ——		FOUNDATION DRAIN PIPE
		PROPERTY LINE
\leftarrow		GUY WIRE ANCHOR
<u> </u>		GUARDRAIL
0		BOLLARD
		CURB & GUTTER
<u> </u>		ELECTRICAL TRANSFORMER
EMH		ELECTRICAL VAULT
Н		ELECTRICAL HANDHOLE
\$7		FIRE HYDRANT
	5	LAYOUT POINT
,		LIGHT POLE
SSMH		
		SANITARY SEWER MANHOLE
SDMH		STORM DRAIN MANHOLE
		STORM DRAIN INLET
2		SIGN
\bowtie		WATER VALVE

1.02

GENERAL NOTES

- 1. PROPERTY DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ITS PRE-CONSTRUCTION CONDITION OR BETTER AT NO ADDITIONAL COST.
- 2. CBJ ENGINEERING STANDARD DETAILS BOOK DATED AUGUST, 2011 IS MADE A PART OF THIS CONTRACT, WITH CURRENT REVISIONS AS APPLICABLE. STANDARD DETAILS SHALL ONLY BE UTILIZED AS SPECIFICALLY REFERENCED IN THE DRAWINGS WITH MODIFICATIONS SPECIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADHERING TO ALL APPLICABLE, LOCAL, STATE AND FEDERAL CODES, PERMITS AND SAFETY REQUIREMENTS.

 THE LOCATIONS OF EXISTING FEATURES AND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITIES NOT SHOWN IN THESE DRAWINGS MAY BE PRESENT. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AS NECESSARY, PRIOR TO BEGINNING WORK. THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD SHALL BE RECORDED ON THE CONTRACTOR'S RECORD DRAWINGS. CONTACT LOCAL UTILITY COMPANIES PRIOR TO ANY/ ALL EXCAVATIONS AT THE FOLLOWING TELEPHONE NUMBERS:

DIAL BEFORE YOU DIG! 586-1333

UNDERGROUND POWER, TELEPHONE, T.V., COMMUNICATIONS, WATER AND WASTEWATER LINES ARE IN THE AREA, UTILITIES SHOWN HERE DO NOT SUBSTITUTE FOR FIELD LOCATES.

- 5. GRADING IS SUBJECT TO MINOR REVISIONS BY THE ENGINEER TO FIT SITE CONDITIONS, AT NO ADDITIONAL COST.
- CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED BOROUGH DEPARTMENTS AND LOCAL UTILITY COMPANIES DURING CONSTRUCTION.
- 7. THE CONTRACTOR SHALL NOT DISRUPT UTILITY SERVICES EXCEPT AS REQUIRED TO COMPLETE THE RECONFIGURATION OF THOSE SERVICES AS SHOWN IN THE PLANS. COORDINATE ANY DISRUPTIONS WITH OWNER A MINIMUM OF 48 HOURS IN ADVANCE.



FOOTING

FLOWLINE

GALLON

GALVANIZED

GRADE BREAK

GATE VALVE

GAL

GALV

GB

GV



WATERLINE

WITHOUT

WATER VALVE

ANGLE POINT

WV

W/O



- LOCATION OF DETAIL OR REFERENCE DRAWING

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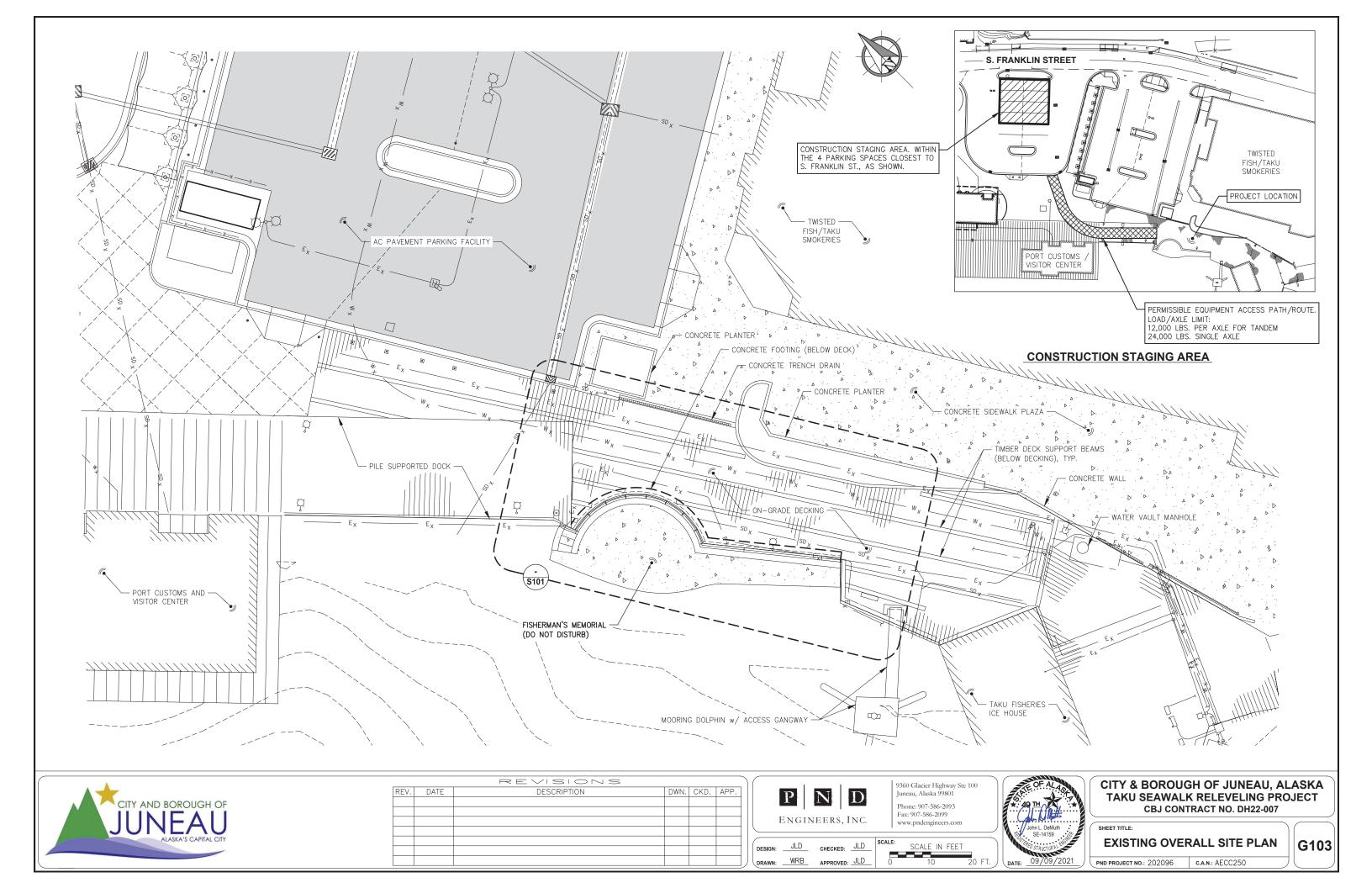
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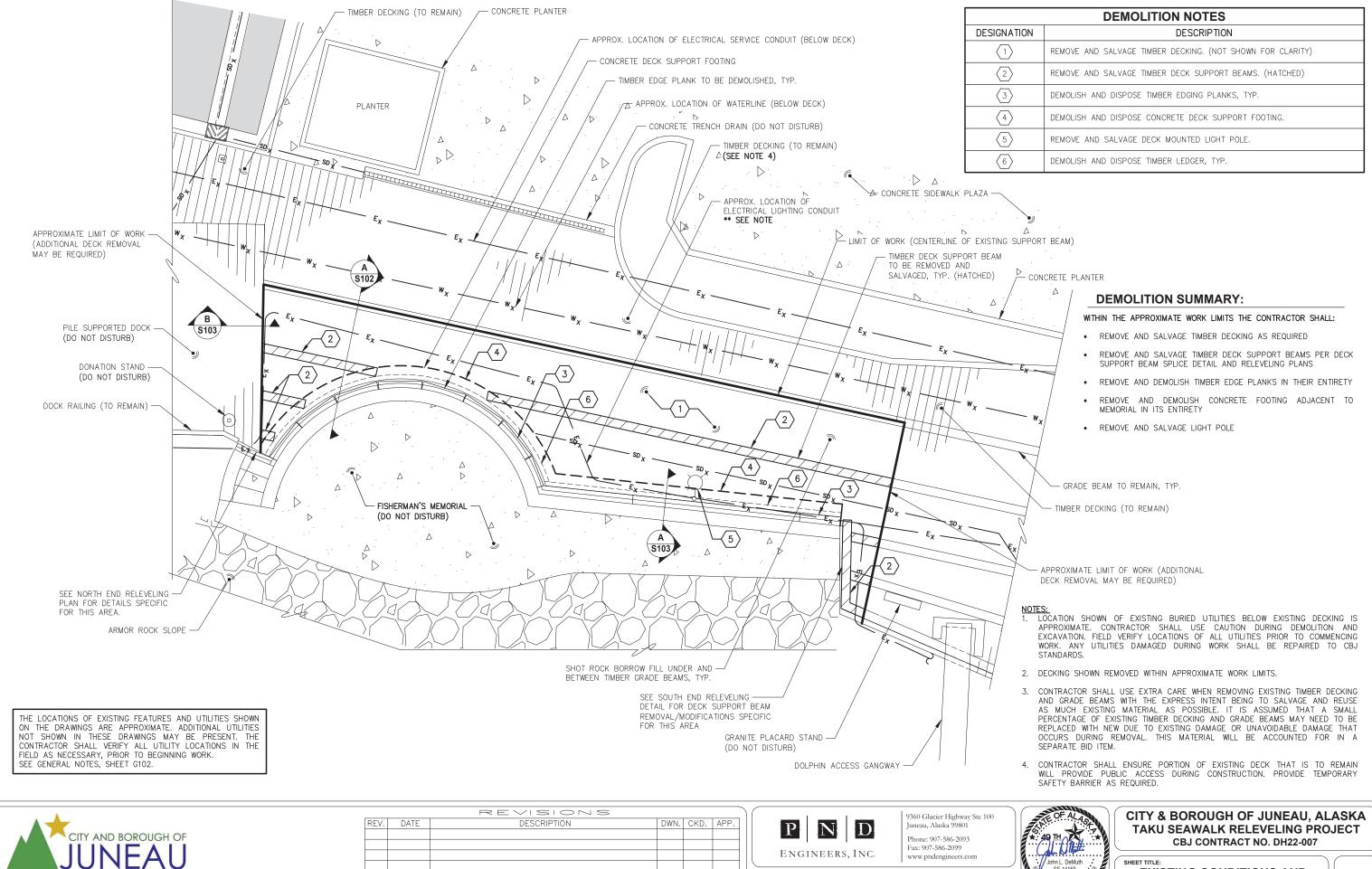


CITY & BOROUGH OF JUNEAU, ALASKA **TAKU SEAWALK RELEVELING PROJECT CBJ CONTRACT NO. DH22-007**

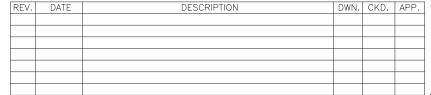
LEGEND, ABBREVIATIONS AND GENERAL NOTES

G102











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APPROVED: JLD

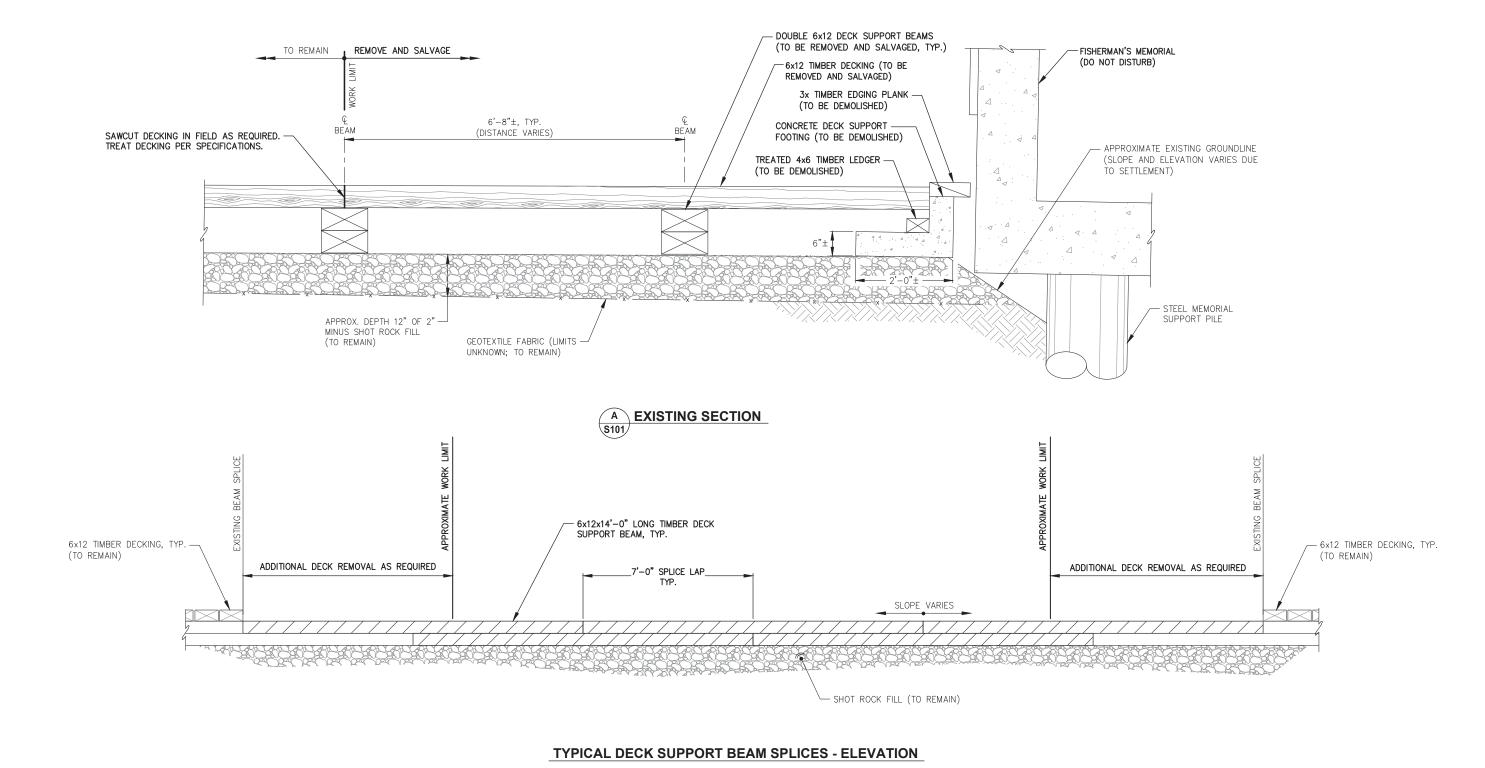
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WRB

DRAWN:

SCALE IN FEET

EXISTING CONDITIONS AND DEMOLITION PLAN



NOTE:

- 1. DETAIL REPRESENTS GENERAL, TYPICAL LAYOUT OF EXISTING SUPPORT BEAMS.
 LENGTH AND SPLICE LOCATION MAY VARY DEPENDING ON LOCATION OF SUPPORT
 BEAM. SEE OVERALL DEMOLITION PLAN.
- HATCHED GRADE BEAMS TO BE REMOVED AND SALVAGED. BEAMS NOT HATCHED TO REMAIN.
- 3. BEAMS JOINED w/ SPIKES @ 3'-6" O.C., TYP. REMOVE AND DISPOSE OF SPIKES. REPLACE w/ NEW UPON REPLACEMENT.



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DRAWN: WRB

__JLD____checked: _JLD__

APPROVED: JLD

9360 Glacier Highway Ste 100 Juneau, Alaska 99801 Phone: 907-586-2093 Fax: 907-586-2099 www.pndengineers.com John L. DeMuth
SE-14159

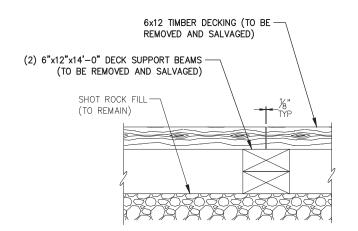
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DATE: 09/09/2021

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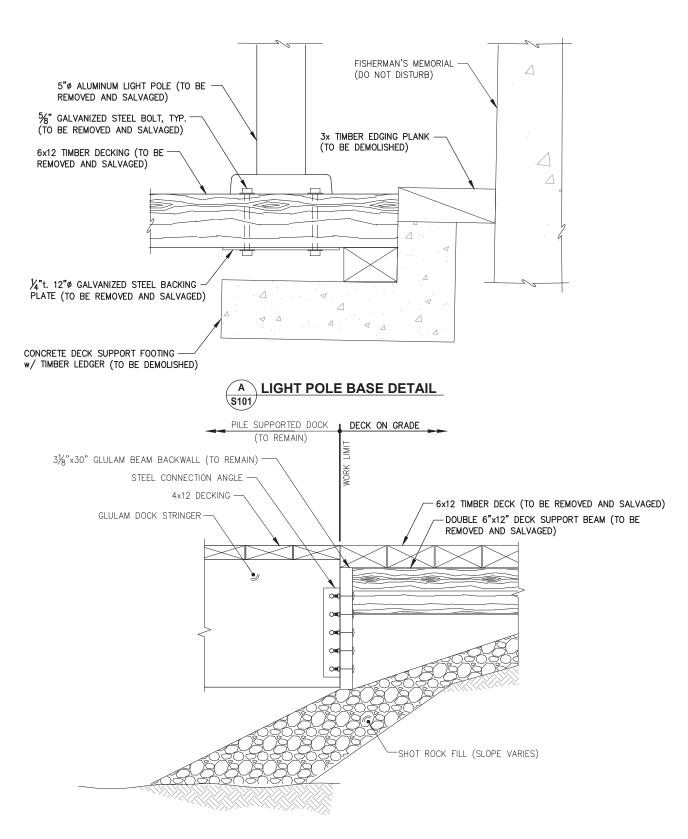
SHEET TITLE:

EXISTING CONDITIONS DETAILS



NOTE: 6x DECK IS ATTACHED TO SUPPORT BEAMS AND LEDGERS w/ GALVANIZED SPIKES AS FOLLOWS: (2) — SPIKES, EACH DECK PLANK, AT EACH SUPPORT BEAM/LEDGER.

TYPICAL TIMBER DECK JOINT



B SECTION AT PILE SUPPORTED DOCK



			REVISIONS			
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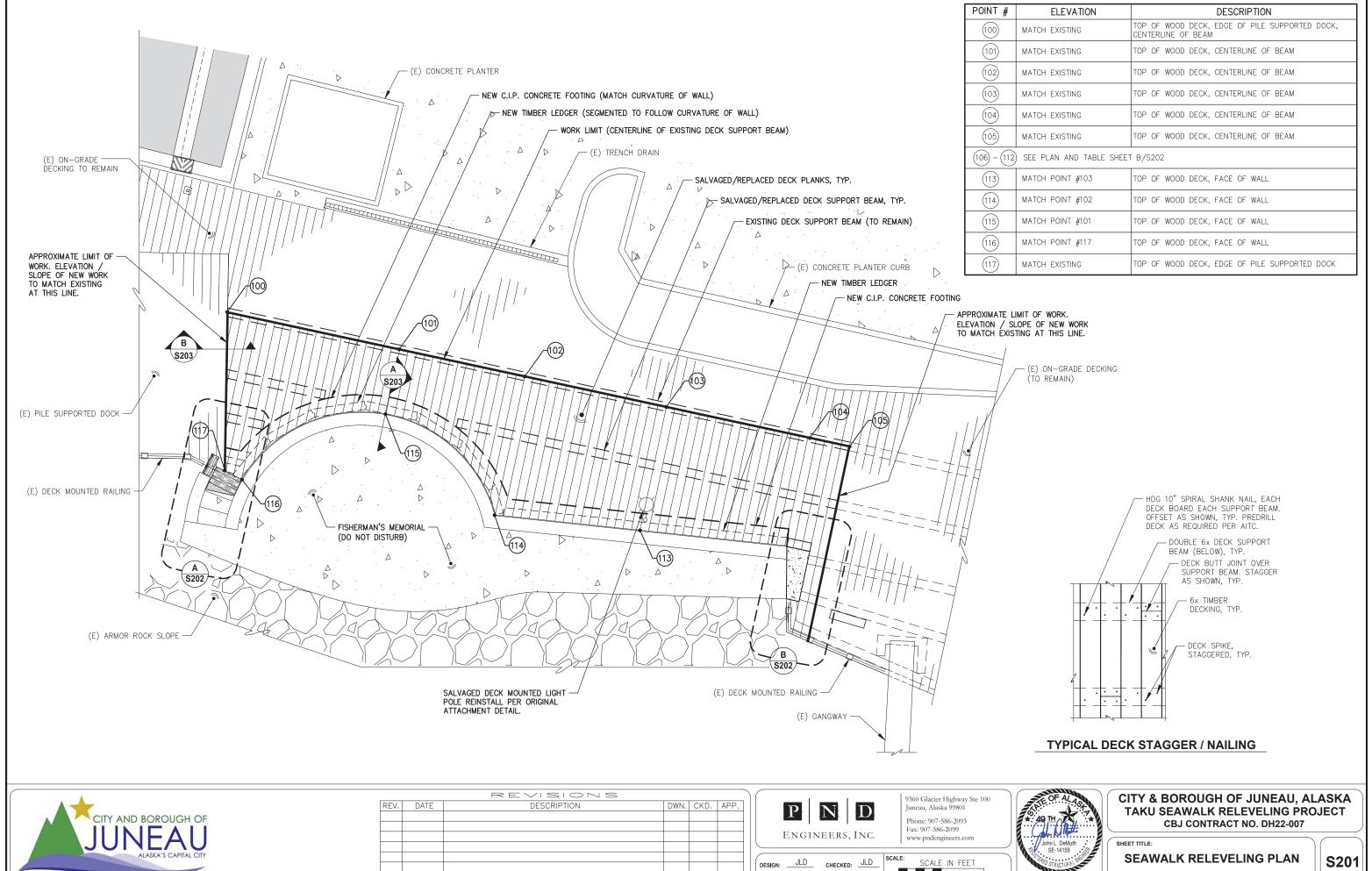


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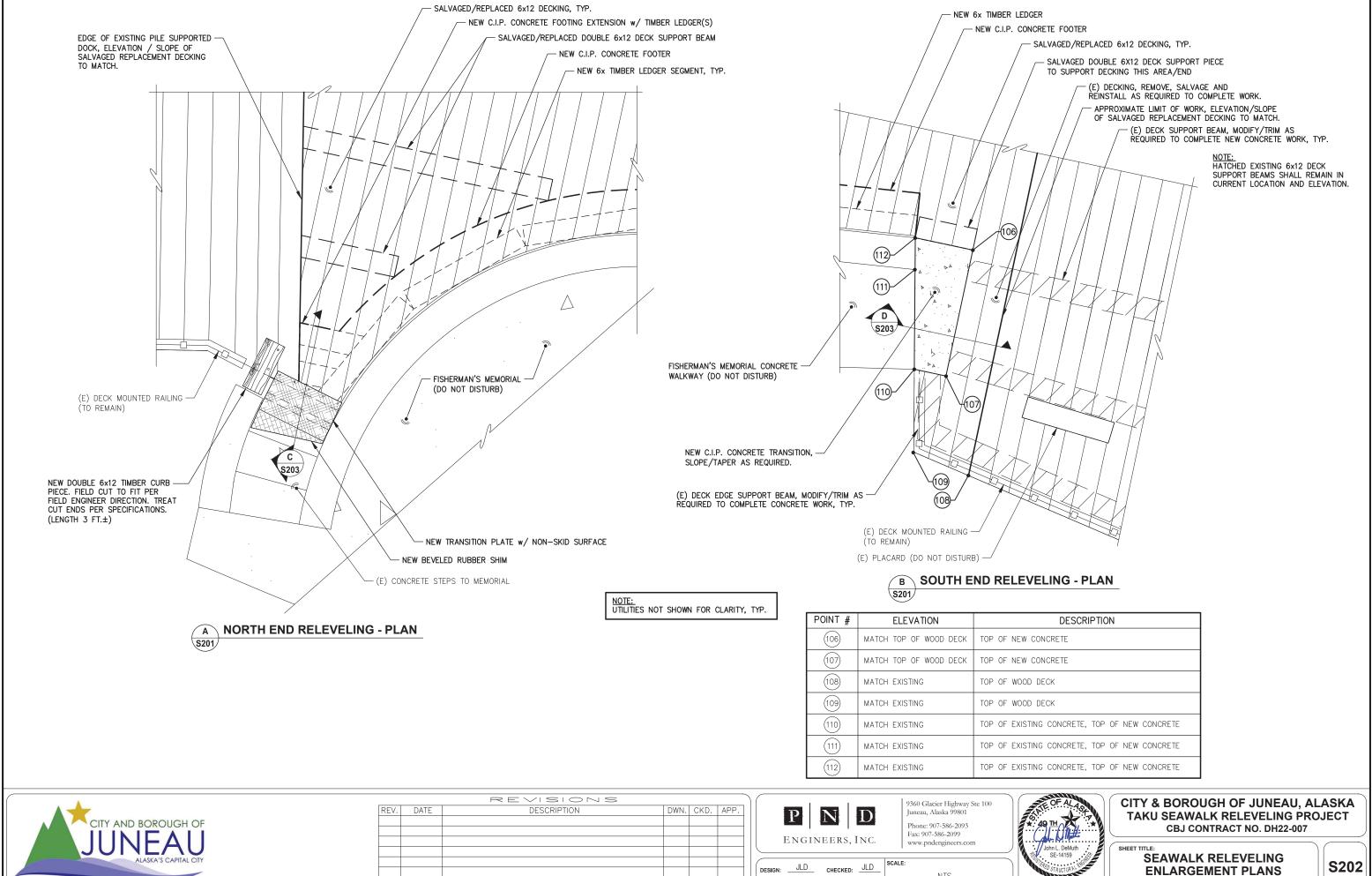
EXISTING CONDITIONS DETAILS



SCALE IN FEET

__JLD_

S201

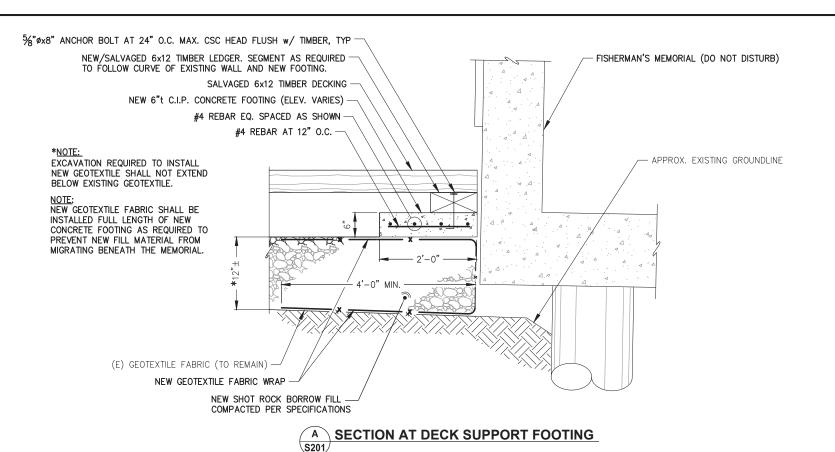


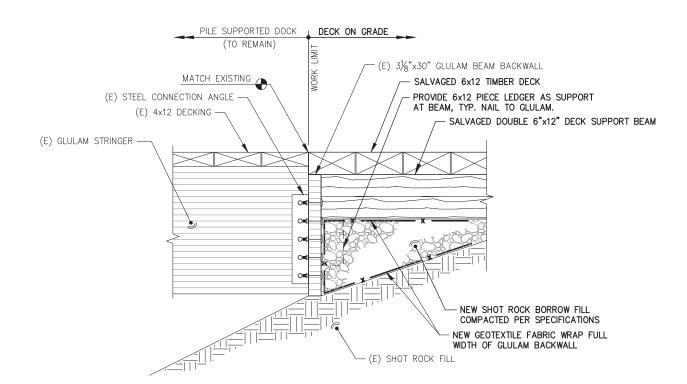
NTS

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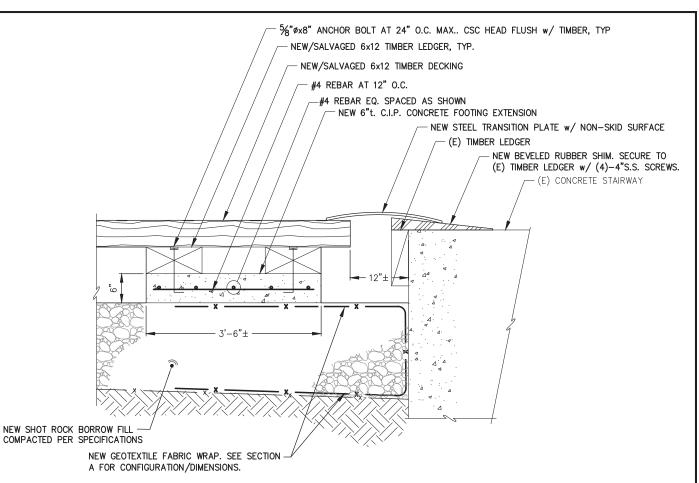
APPROVED: JLD

S202

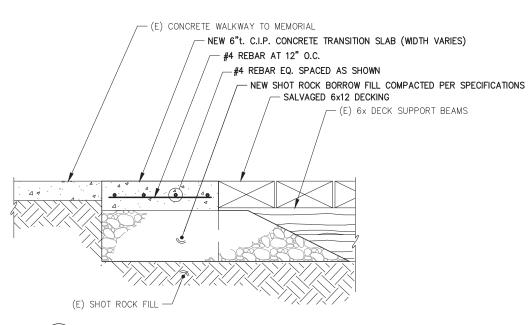




B SECTION AT PILE SUPPORTED DOCK



SECTION AT CONCRETE FOOTING EXTENSION



D SECTION AT CONCRETE TRANSITION S202 NOTE:

THICKNESS OF TRANSITION SLAB MAY VARY SLIGHTLY DUE TO TAPERING TO MATCH ADJACENT ELEVATIONS.



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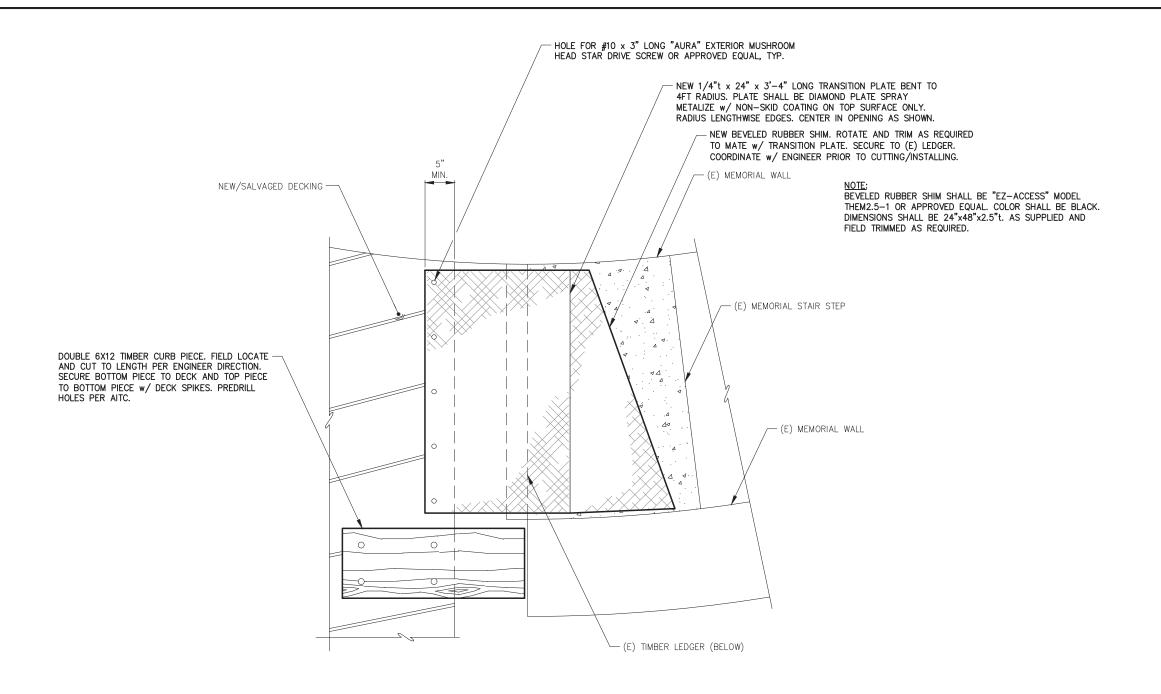
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# A	9 11 1
	John L. DeMuth SE-14159
	960 STRUCTURAL ENGINEERS 09/09/2021
	DATE:

CITY & BOROUGH OF JUNEAU, ALASKA TAKU SEAWALK RELEVELING PROJECT CBJ CONTRACT NO. DH22-007

SHEET TITLE:

SEAWALK RELEVELING DETAILS



NORTH END TRANSITION - PLAN



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SEAWALK RELEVELING DETAILS