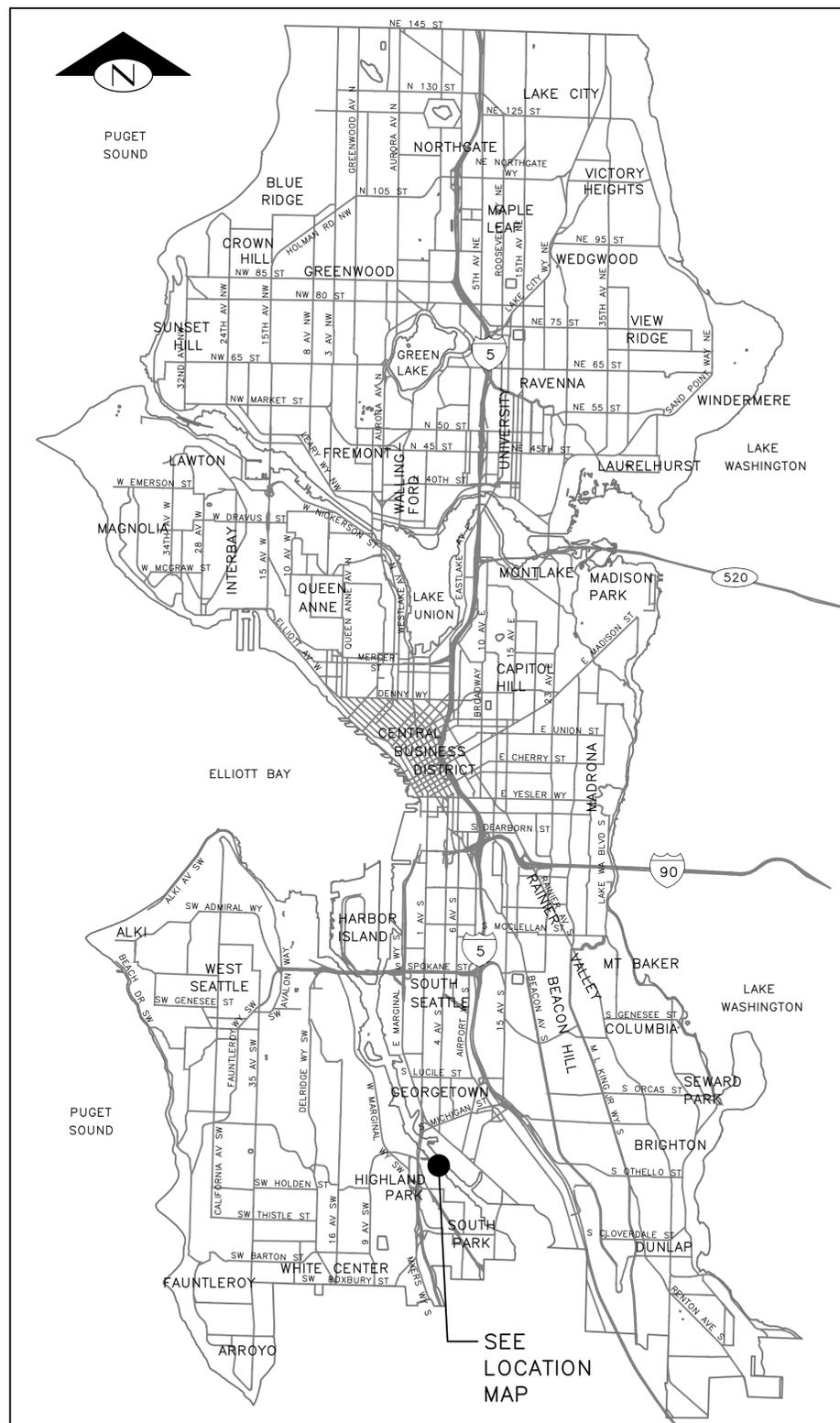


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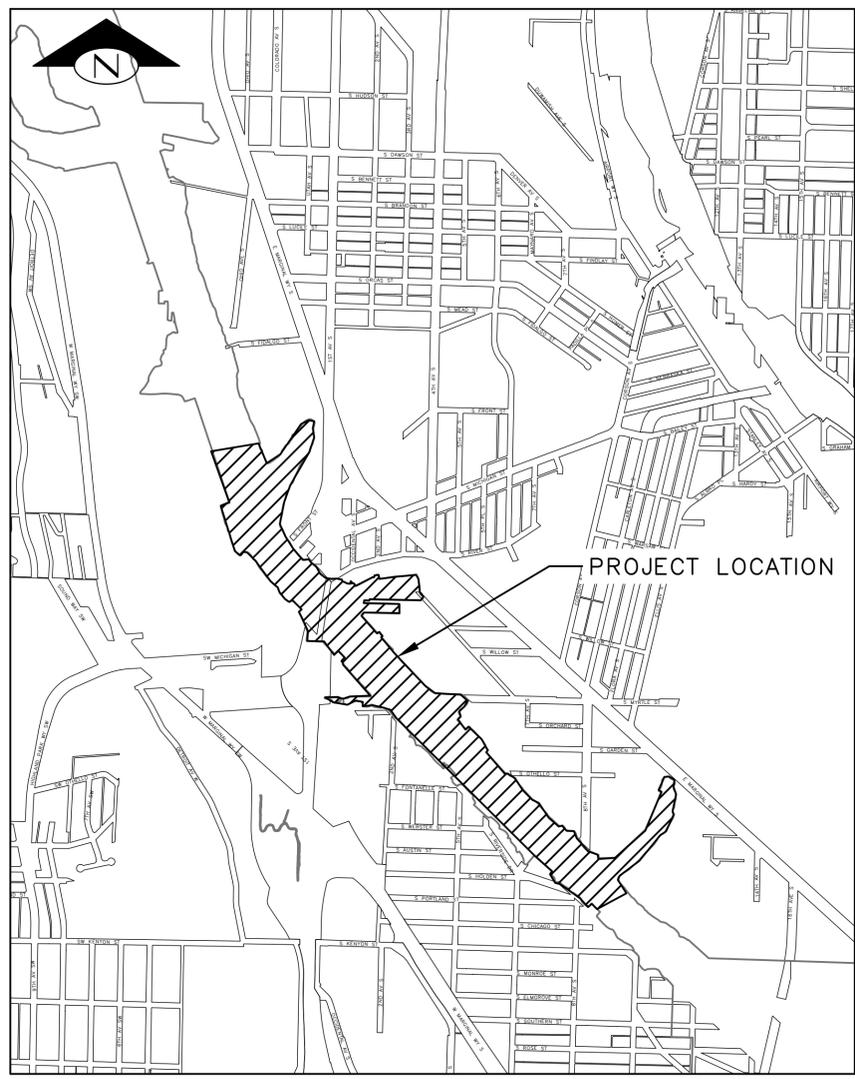
Volume III

Preliminary (30%) Drawings

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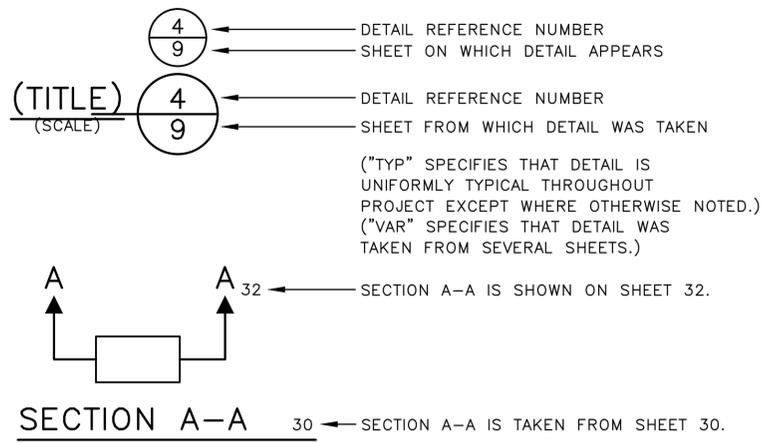


VICINITY MAP
SCALE: 1" = 1 MILE



LOCATION MAP
SCALE: 1" = 400'

DETAIL AND SECTION REFERENCING



30% SUBMITTAL (NOT FOR CONSTRUCTION)



APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE DESIGNED HS CHECKED RD	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR.
DRAWN JR/TG CHECKED KG	RECEIVED REVISED AS BUILT
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	

Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE:

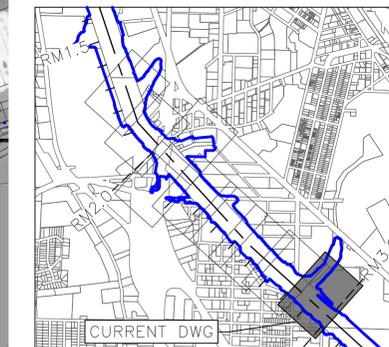
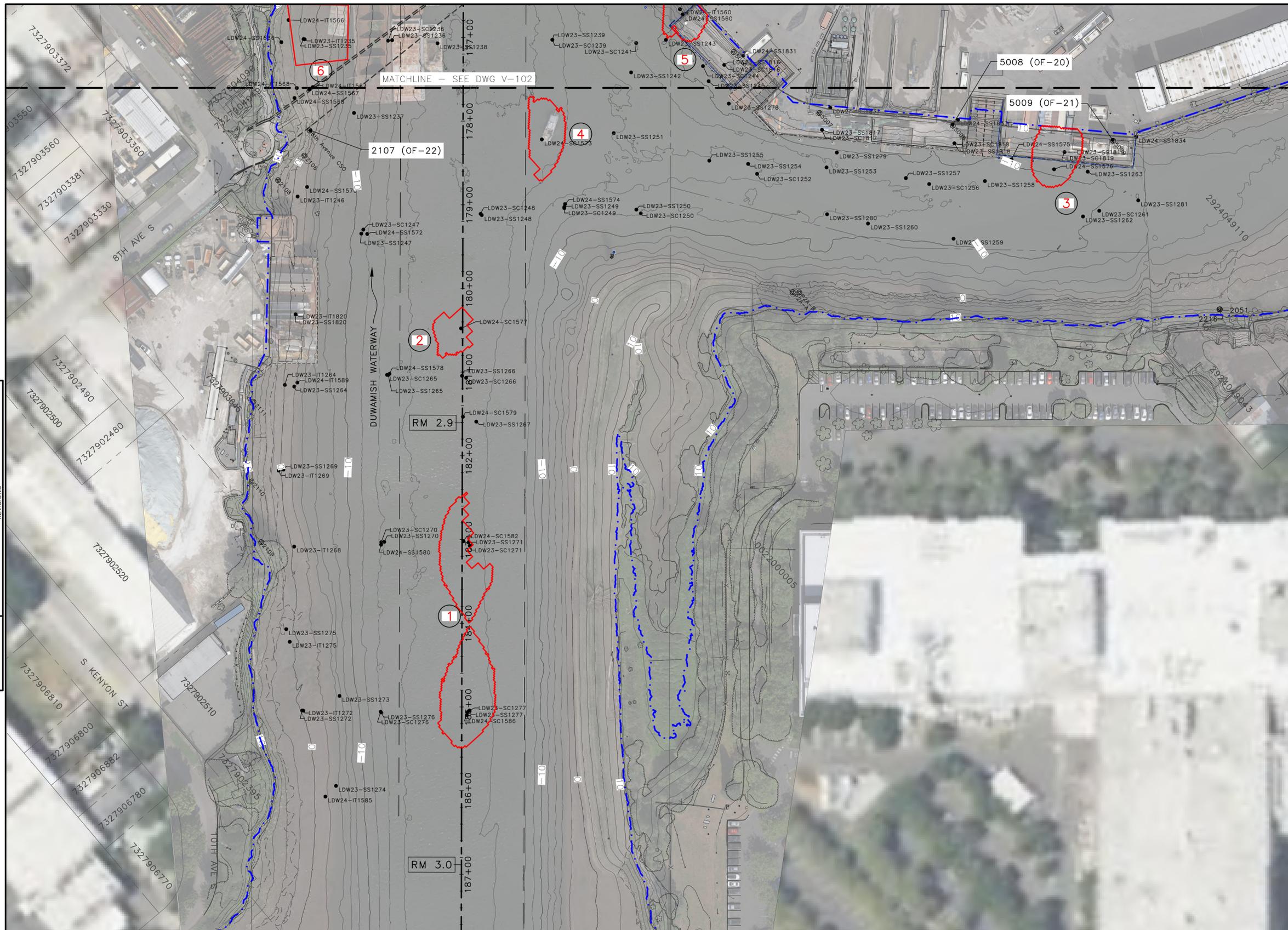
PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB PC CO	VPI # G-001
SHEET 1 OF 69	

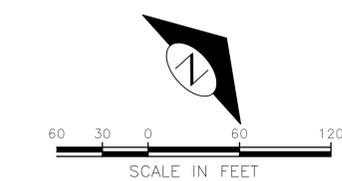
COVER SHEET

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".
ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

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- LEGEND:
- MATCHLINE
 - USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - PIERS
 - WATERWAY OBSTRUCTIONS
 - PH2 RAL EXCEEDANCE AREA (9/30/25)
 - RAL EXCEEDANCE AREA NUMBER



- NOTES:
1. HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 2. VERTICAL DATUM: MLLW
 3. AERIAL: GLOBAL MAPPER

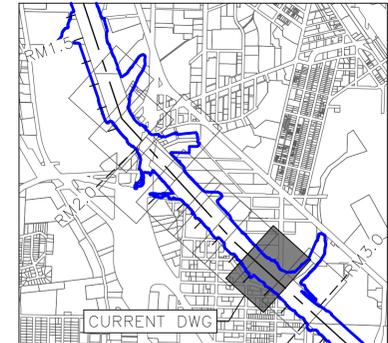
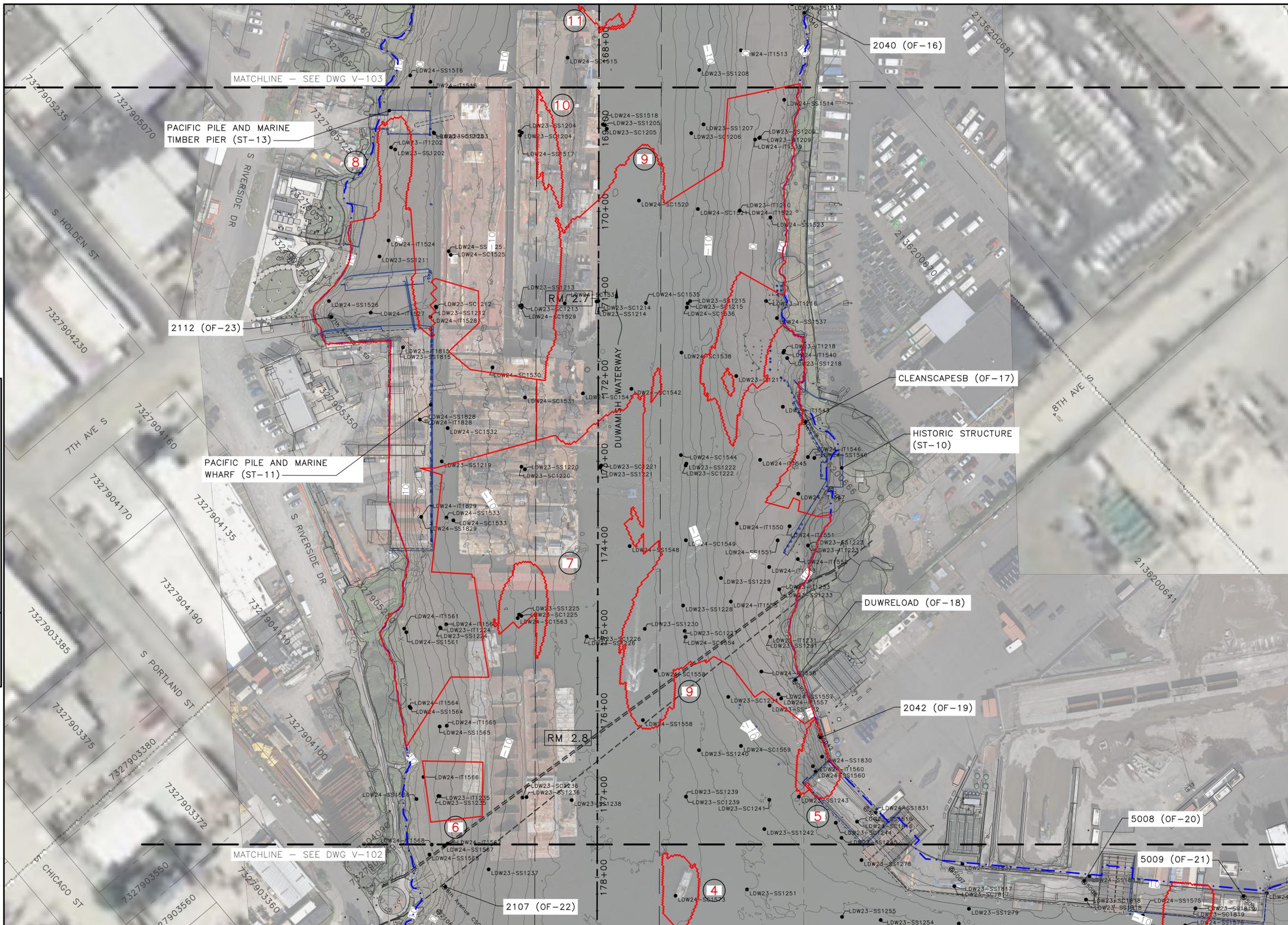
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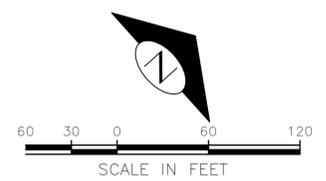
EXISTING CONDITIONS PLAN (1 OF 9)

	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED HS CHECKED RD DRAWN JR/TG CHECKED KG	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		PHASED-ENGINEERING DESIGN LOWER DUWAMISH MIDDLE REACH
	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	<small>ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.</small>		ORDINANCE NO. PW NO. SCALE: AS NOTED	SHEET 4 OF 69

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE"
 ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY



- KEY MAP
SCALE: 1"=2000'
- LEGEND:
- MATCHLINE
 - USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RM 1.7 RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - ⊙ EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - PIERS
 - WATERWAY OBSTRUCTIONS
 - (35) PH2 RAL EXCEEDANCE AREA (9/30/25)
 - RAL EXCEEDANCE AREA NUMBER



- NOTES:
1. HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 2. VERTICAL DATUM: MLLW
 3. AERIAL: GLOBAL MAPPER

30% SUBMITTAL (NOT FOR CONSTRUCTION)

EXISTING CONDITIONS PLAN (2 OF 9)

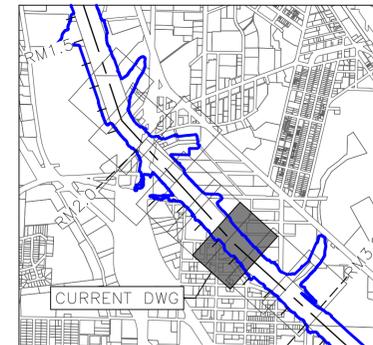
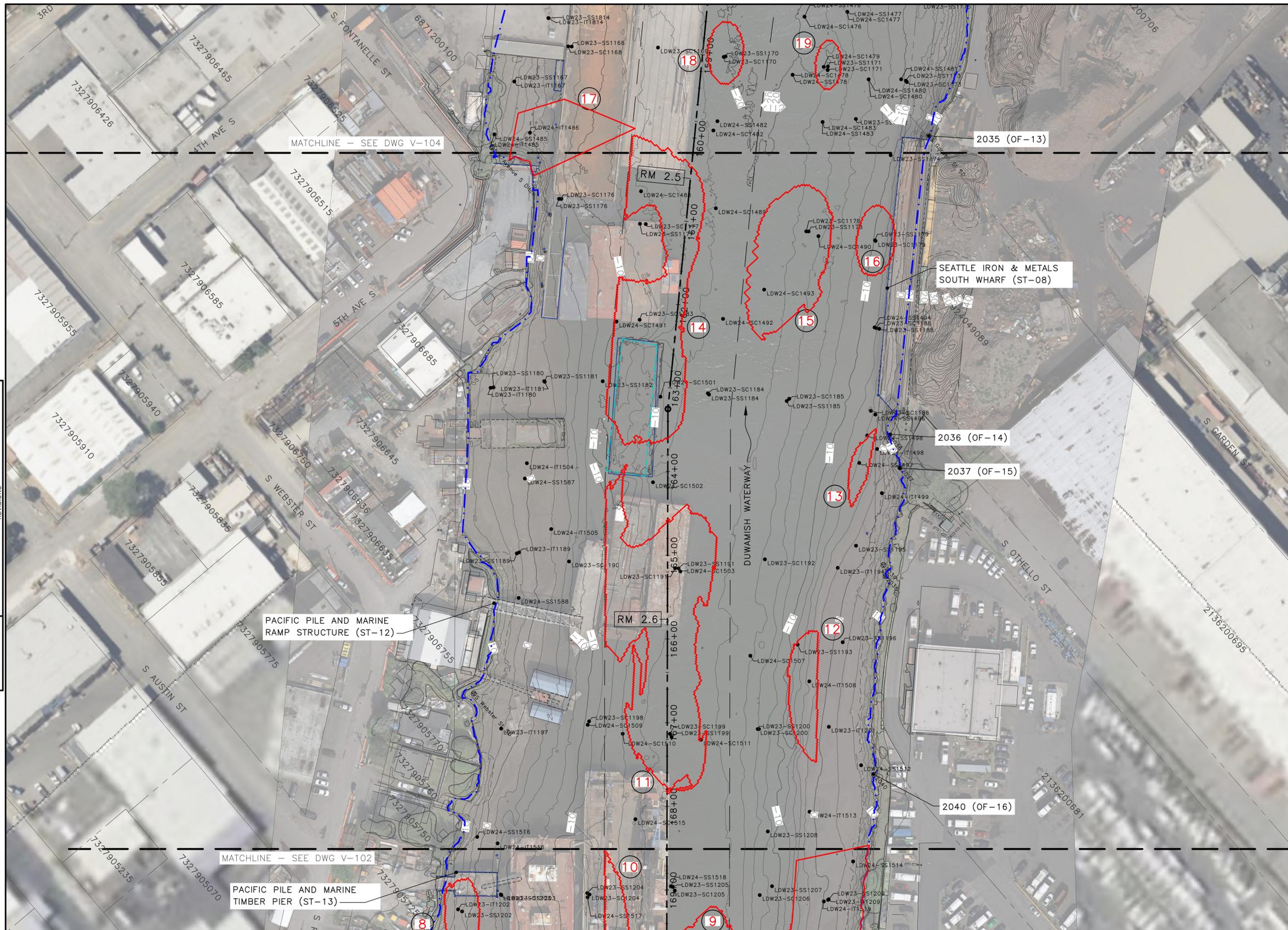
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	BY: _____ FAS PURCHASING AND CONTRACTING DIRECTOR		ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.				

VAULT	SERIAL	#	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

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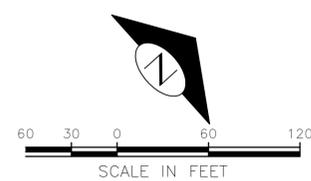
PLAN INTENDED TO BE VIEWED
 IN COLOR. ADJACENT BLOCK IS
 "BLUE"

 ONE INCH
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY



KEY MAP
SCALE: 1"=2000'

- LEGEND:
- MATCHLINE
 - +--- USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RM 1.7 RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - ⊙ EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - PIERS
 - WATERWAY OBSTRUCTIONS
 - PH2 RAL EXCEEDANCE AREA (9/30/25)
 - (35) RAL EXCEEDANCE AREA NUMBER



- NOTES:
- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW
 - AERIAL: GLOBAL MAPPER

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

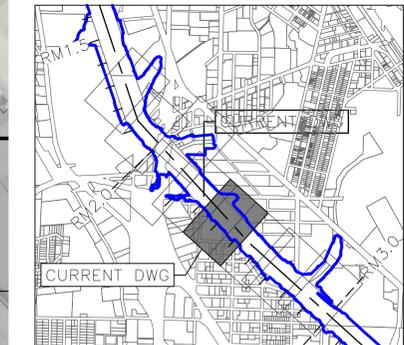
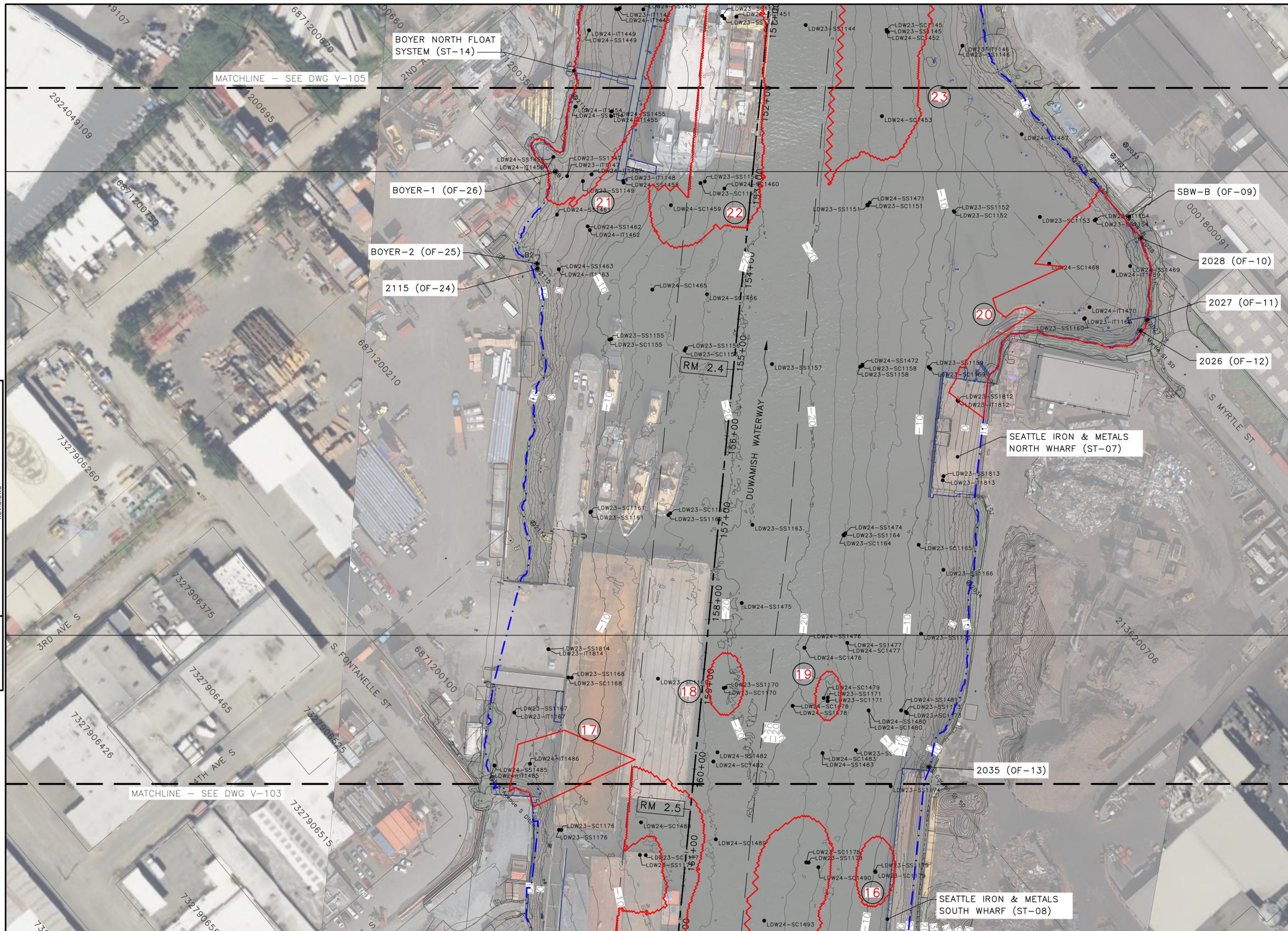
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EXISTING CONDITIONS PLAN (3 OF 9)

	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED HS CHECKED RD	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED		PHASED-ENGINEERING DESIGN LOWER DUWAMISH MIDDLE REACH	JOB # PC CO
	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	DRAWN JR/TG CHECKED KG	REVISED AS BUILT			VPI # V-103
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.				ORDINANCE NO. _____ PW NO. _____ SCALE: _____	SHEET 6 OF 69	

VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

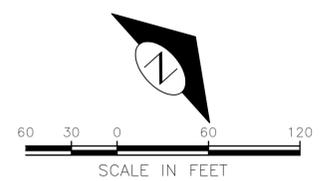
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KEY MAP
SCALE: 1"=2000'



- LEGEND:
- MATCHLINE
 - +—+— USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RM 1.7 RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - ⊙ EXISTING OFFFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - PIERS
 - WATERWAY OBSTRUCTIONS
 - ③⑤ PH2 RAL EXCEEDANCE AREA (9/30/25)
 - ③⑤ RAL EXCEEDANCE AREA NUMBER



- NOTES:
- HORIZONTAL DATUM: NAD83 (2011)
WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW
 - AERIAL: GLOBAL MAPPER

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

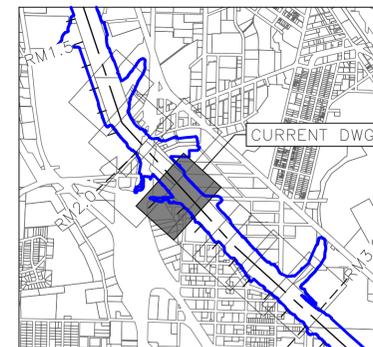
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EXISTING CONDITIONS PLAN (4 OF 9)

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	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	ORDINANCE NO. PW NO. SCALE:			VPI # V-104
						SHEET 7 OF 69

VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

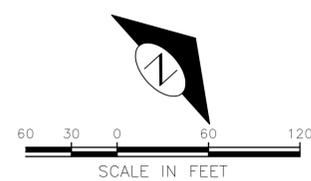
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KEY MAP
SCALE: 1"=2000'



- LEGEND:
- MATCHLINE
 - USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RM 1.7 RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - ⊙ EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - PIERS
 - WATERWAY OBSTRUCTIONS
 - PH2 RAL EXCEEDANCE AREA (9/30/25)
 - 35 RAL EXCEEDANCE AREA NUMBER



- NOTES:
1. HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 2. VERTICAL DATUM: MLLW
 3. AERIAL: GLOBAL MAPPER

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

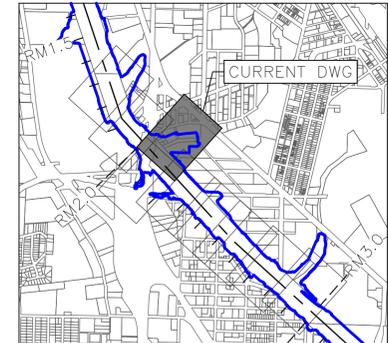
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EXISTING CONDITIONS PLAN (5 OF 9)

	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED HS CHECKED RD DRAWN JR/TG CHECKED KG	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		PHASED-ENGINEERING DESIGN LOWER DUWAMISH MIDDLE REACH
	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	ORDINANCE NO. PW NO. SCALE:	SHEET 8 OF 69	V-105

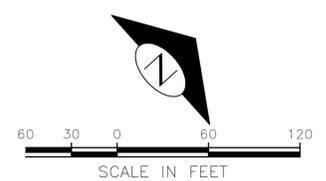
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KEY MAP
SCALE: 1"=2000'

- LEGEND:
- MATCHLINE
 - USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - PIERS
 - WATERWAY OBSTRUCTIONS
 - PH2 RAL EXCEEDANCE AREA (9/30/25)
 - RAL EXCEEDANCE AREA NUMBER



- NOTES:
- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW
 - AERIAL: GLOBAL MAPPER

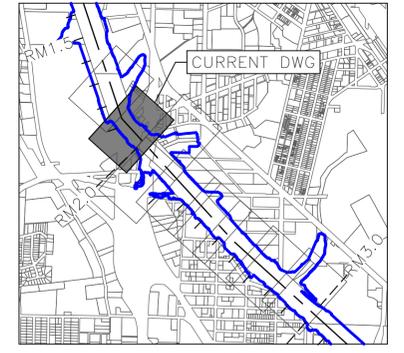
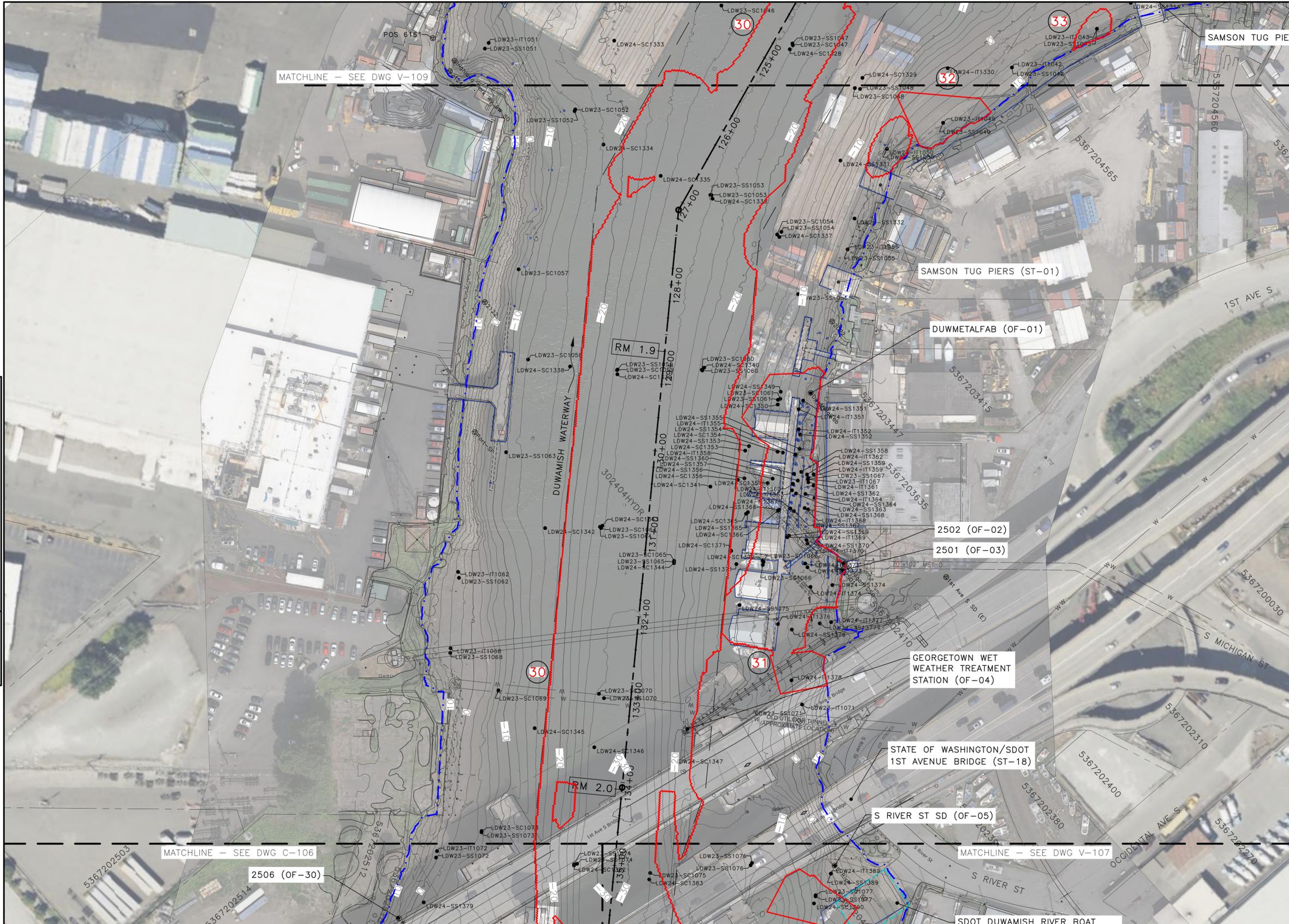
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ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

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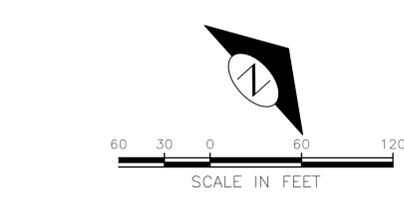
EXISTING CONDITIONS PLAN (7 OF 9)

	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20 BY: FAS PURCHASING AND CONTRACTING DIRECTOR	INITIALS AND DATE DESIGNED HS CHECKED RD DRAWN JR/TG CHECKED KG ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		PHASED-ENGINEERING DESIGN LOWER DUWAMISH MIDDLE REACH SHEET 10 OF 69
	ORDINANCE NO. PW NO. SCALE:	JOB # PC CO VPI # V-107 SHEET 10 OF 69			

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- LEGEND:
- MATCHLINE
 - +—+ 118+00 USACE CHANNEL CENTERLINE
 - - - FEDERAL NAVIGATION CHANNEL
 - - - PROPERTY BOUNDARY
 - RM 1.7 RIVER MILE LABEL
 - - - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - ⊙ EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - - - PIERS
 - WATERWAY OBSTRUCTIONS
 - 35 PH2 RAL EXCEEDANCE AREA (9/30/25)
 - 35 RAL EXCEEDANCE AREA NUMBER



- NOTES:
- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW
 - AERIAL: GLOBAL MAPPER

VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

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EXISTING CONDITIONS PLAN (8 OF 9)



APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED HS	CHECKED RD	REVIEWED: DES.	CONST.
DRAWN JR/TG	CHECKED KG	SDOT	PROJ. MGR.
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.		RECEIVED	REVISED AS BUILT

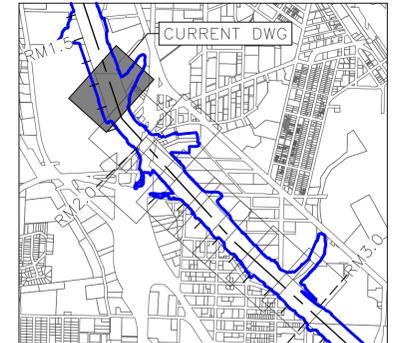
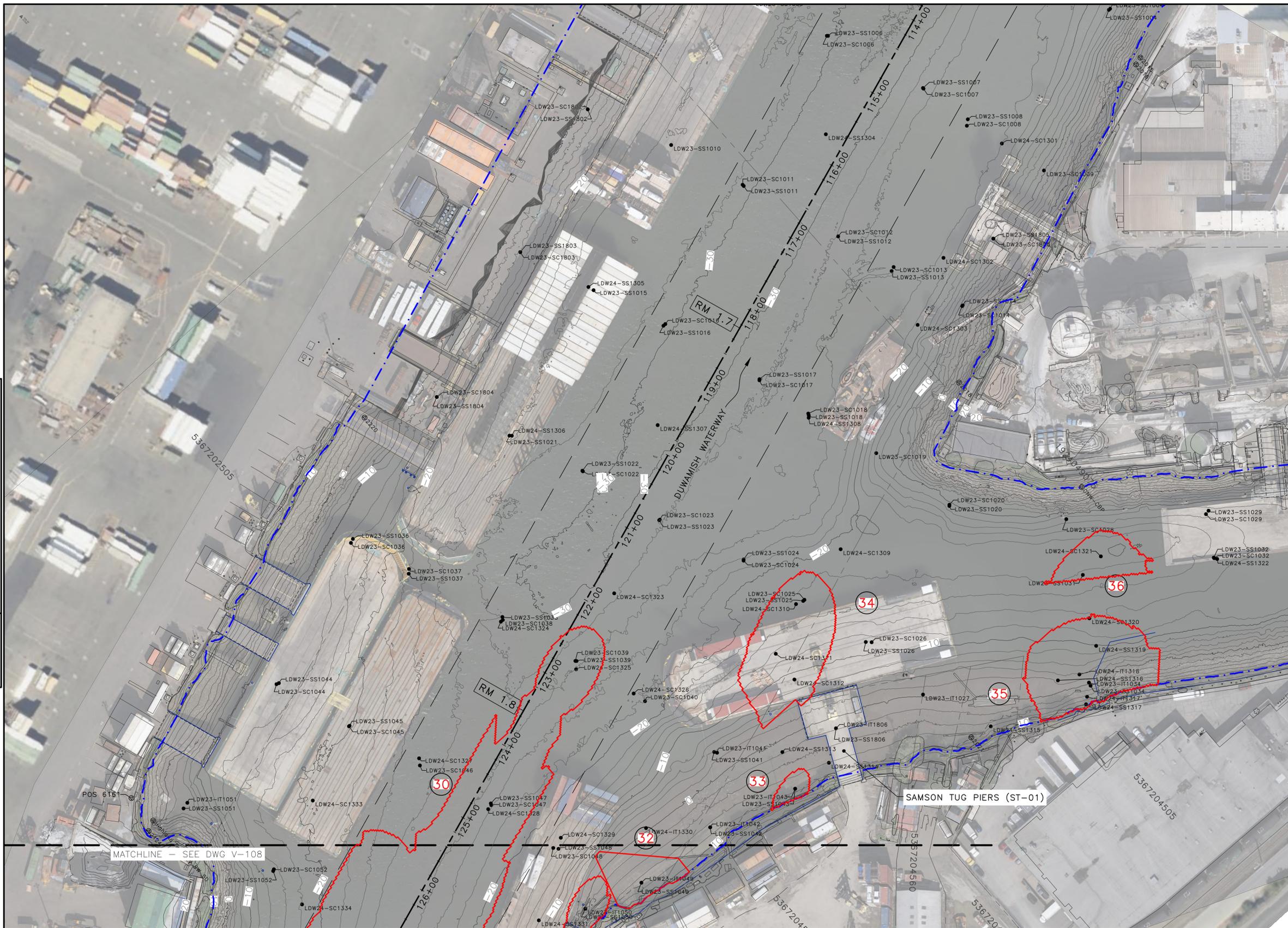
Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE:

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB #	PC
CO	
VPI #	V-108
SHEET	11 OF 69

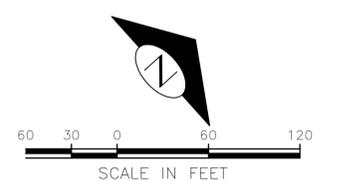
PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".
ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

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KEY MAP
SCALE: 1"=2000'

- LEGEND:
- MATCHLINE
 - USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - PIERS
 - WATERWAY OBSTRUCTIONS
 - PH2 RAL EXCEEDANCE AREA (9/30/25)
 - RAL EXCEEDANCE AREA NUMBER



- NOTES:
1. HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 2. VERTICAL DATUM: MLLW
 3. AERIAL: GLOBAL MAPPER

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".
 ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

30% SUBMITTAL (NOT FOR CONSTRUCTION)

EXISTING CONDITIONS PLAN (9 OF 9)

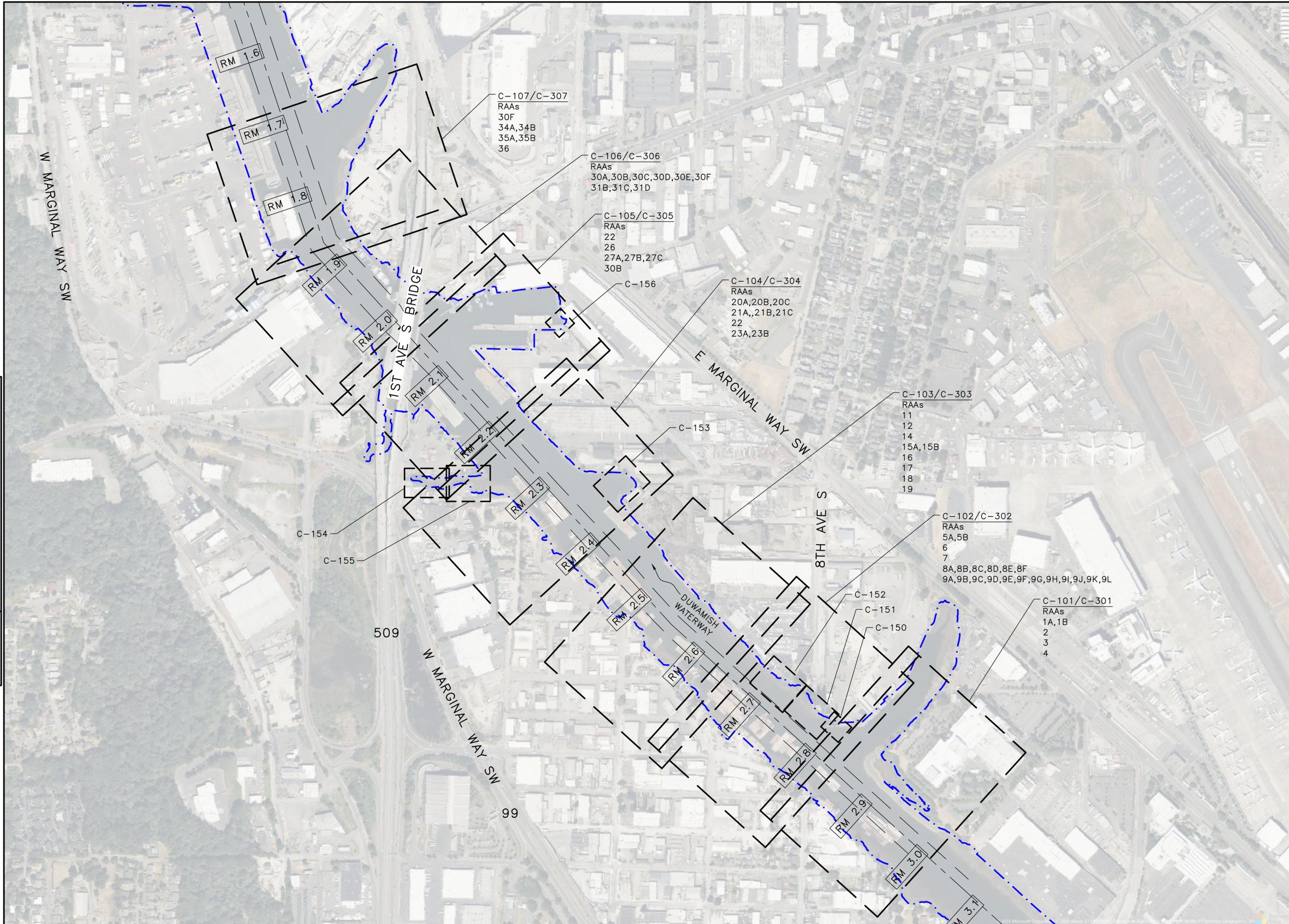
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	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	ORDINANCE NO.			PW NO.	VPI #

VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

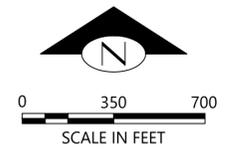
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- LEGEND:
- MATCHLINE
 - - - USACE CHANNEL CENTERLINE
 - - - FEDERAL NAVIGATION CHANNEL
 - RM 1.7 RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY



NOTE:
 AERIAL BY BING MAPS

PLAN INTENDED TO BE VIEWED
 IN COLOR. ADJACENT BLOCK IS
 "BLUE"
 ONE INCH
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY

30% SUBMITTAL (NOT FOR CONSTRUCTION)

OVERVIEW MAP



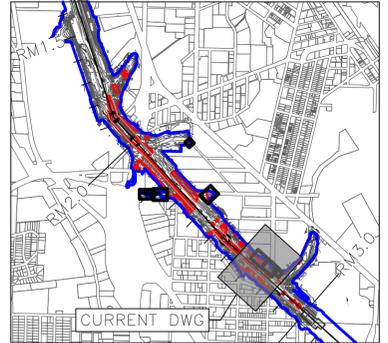
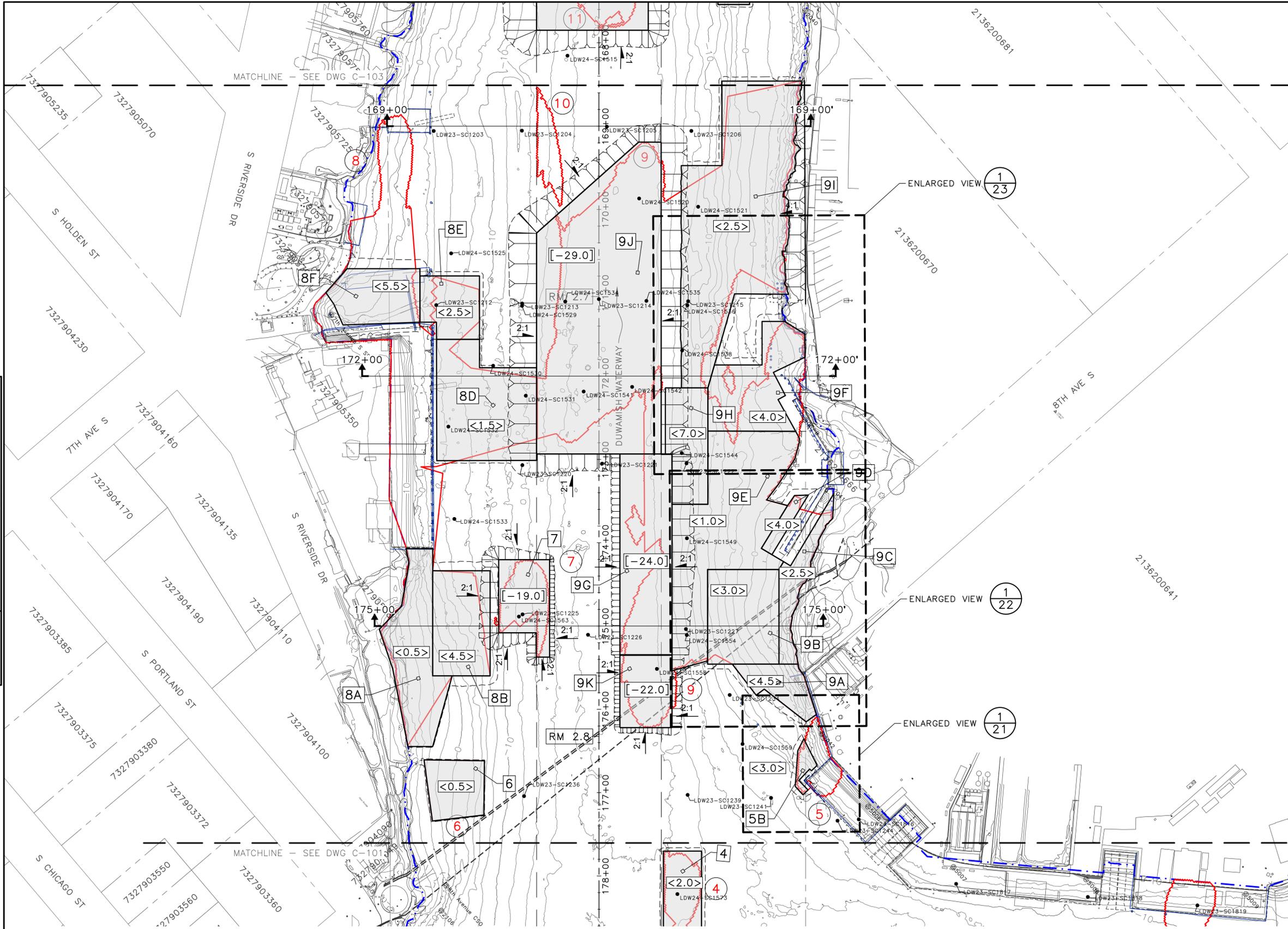
APPROVED FOR ADVERTISING
 FAS PURCHASING AND CONTRACTING DIRECTOR
 SEATTLE, WASHINGTON 20

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED HS	CHECKED RD	REVIEWED: DES.	CONST. PROJ. MGR.
DRAWN JR/TG	CHECKED KG	RECEIVED	REVISED AS BUILT
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.			

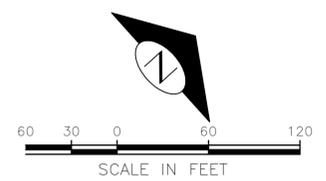
Seattle Public Utilities
 ORDINANCE NO. PW NO.
 SCALE:

PHASED-ENGINEERING DESIGN
 LOWER DUWAMISH MIDDLE REACH

JOB	PC
CO	CO
VPI #	C-100
SHEET	13 OF 69



- LEGEND:
- MATCHLINE
 - +—+— USACE CHANNEL CENTERLINE
 - - - FEDERAL NAVIGATION CHANNEL
 - - - PROPERTY BOUNDARY
 - RM 1.7 RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - LDW24-SC1577 SAMPLE LOCATION
 - ⊙ EXISTING OUTFALL
 - EXISTING PILE
 - EXISTING PILE (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - - - PIERS
 - WATERWAY OBSTRUCTIONS
 - DREDGE PRISM FOOTPRINT BOUNDARY (TOE OF CUT)
 - ESTIMATED DREDGE PRISM DAYLIGHT BOUNDARY
 - ▽ DREDGE SLOPE SYMBOL
 - [-16.0] REQUIRED DREDGE ELEVATION IN FEET MLLW
 - [<3.0 >] REQUIRED DREDGE THICKNESS IN FEET
 - 9C RAA NUMBER (REMEDIAL ACTION AREA)
 - 35 PH2 RAL EXCEEDANCE AREA (9/30/25)
 - 35 RAL EXCEEDANCE AREA NUMBER



- NOTES:
- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW

DREDGE PLAN (2 OF 7)

30% SUBMITTAL (NOT FOR CONSTRUCTION)

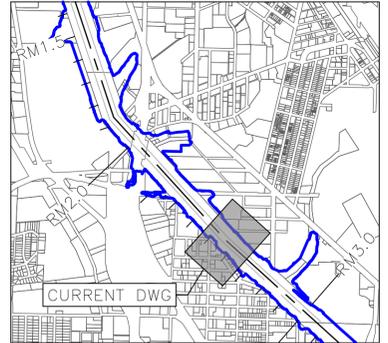
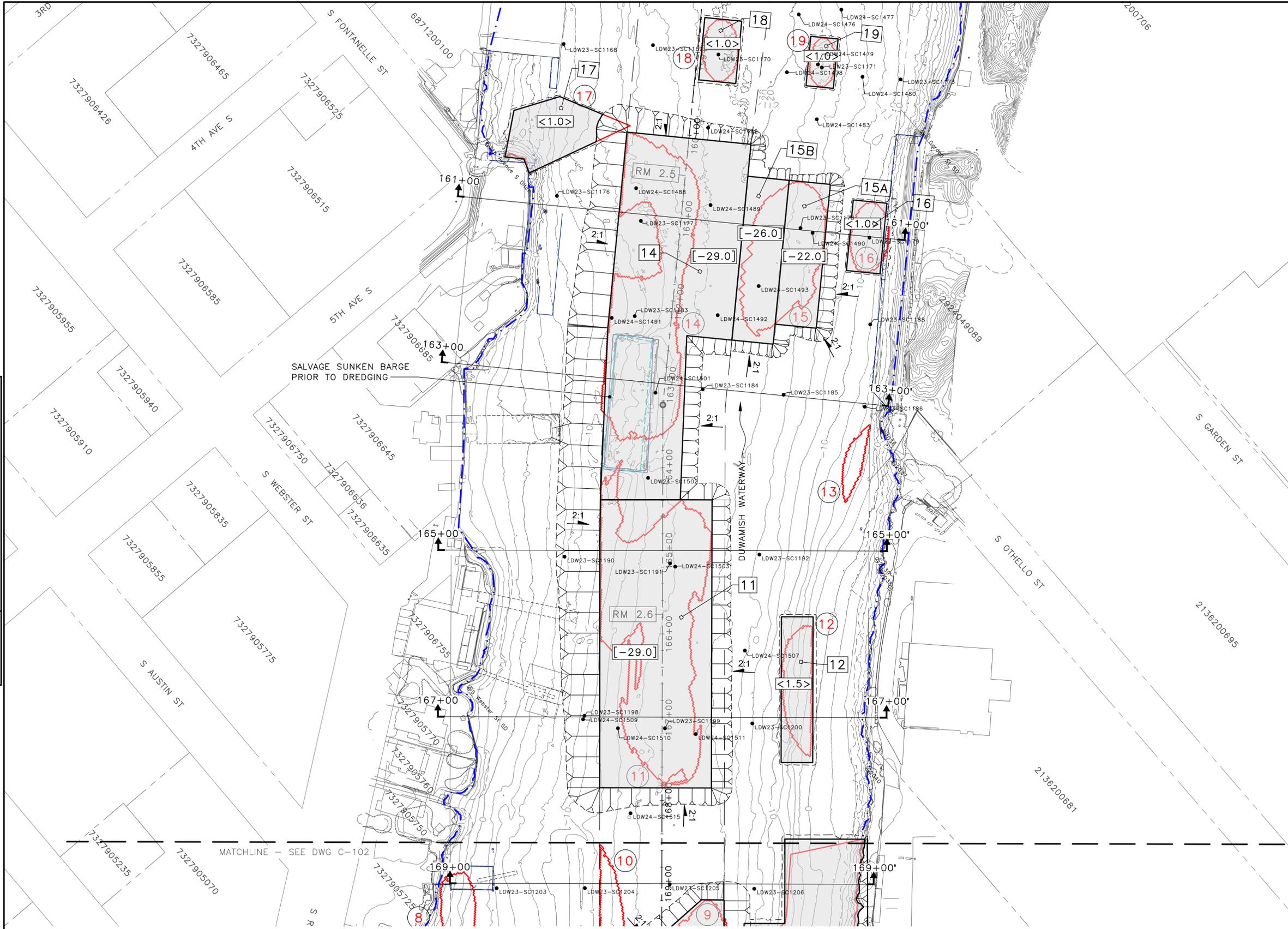
	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED HS CHECKED RD	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		PHASED-ENGINEERING DESIGN LOWER DUWAMISH MIDDLE REACH
	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	DRAWN JR/TG CHECKED KG <small>ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.</small>	ORDINANCE NO. PW NO. SCALE:		

VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

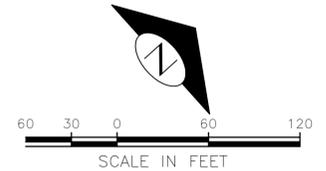
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PLAN INTENDED TO BE VIEWED
 IN COLOR. ADJACENT BLOCK IS
 "BLUE"

 ONE INCH
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY



- LEGEND:
- MATCHLINE
 - 118+00 USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RM 1.7 RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - PIERS
 - WATERWAY OBSTRUCTIONS
 - DREDGE PRISM FOOTPRINT BOUNDARY (TOE OF CUT)
 - ESTIMATED DREDGE PRISM DAYLIGHT BOUNDARY
 - DREDGE SLOPE SYMBOL
 - [-16.0] REQUIRED DREDGE ELEVATION IN FEET MLLW
 - <3.0> REQUIRED DREDGE THICKNESS IN FEET
 - 9C RAA NUMBER (REMEDIAL ACTION AREA)
 - 35 PH2 RAL EXCEEDANCE AREA (9/30/25)
 - 35 RAL EXCEEDANCE AREA NUMBER



- NOTES:
1. HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 2. VERTICAL DATUM: MLLW

DREDGE PLAN (3 OF 7)

30% SUBMITTAL (NOT FOR CONSTRUCTION)

VAULT	SERIAL #	DATE	MARK	NATURE	MADE	CHK'D	REV'D

ANCHOR QEA

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR

SEATTLE, WASHINGTON 20

BY: _____
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE

DESIGNED HS
CHECKED RD

DRAWN JR/TG
CHECKED KG

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

INITIALS AND DATE

REVIEWED:
DES. CONST.
SDOT PROJ. MGR.

RECEIVED

REVISED AS BUILT

Seattle Public Utilities

ORDINANCE NO. _____ PW NO. _____

SCALE: _____

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB # _____ PC _____ CO _____

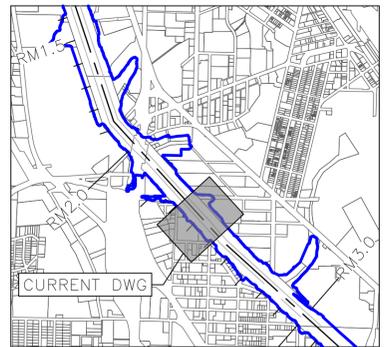
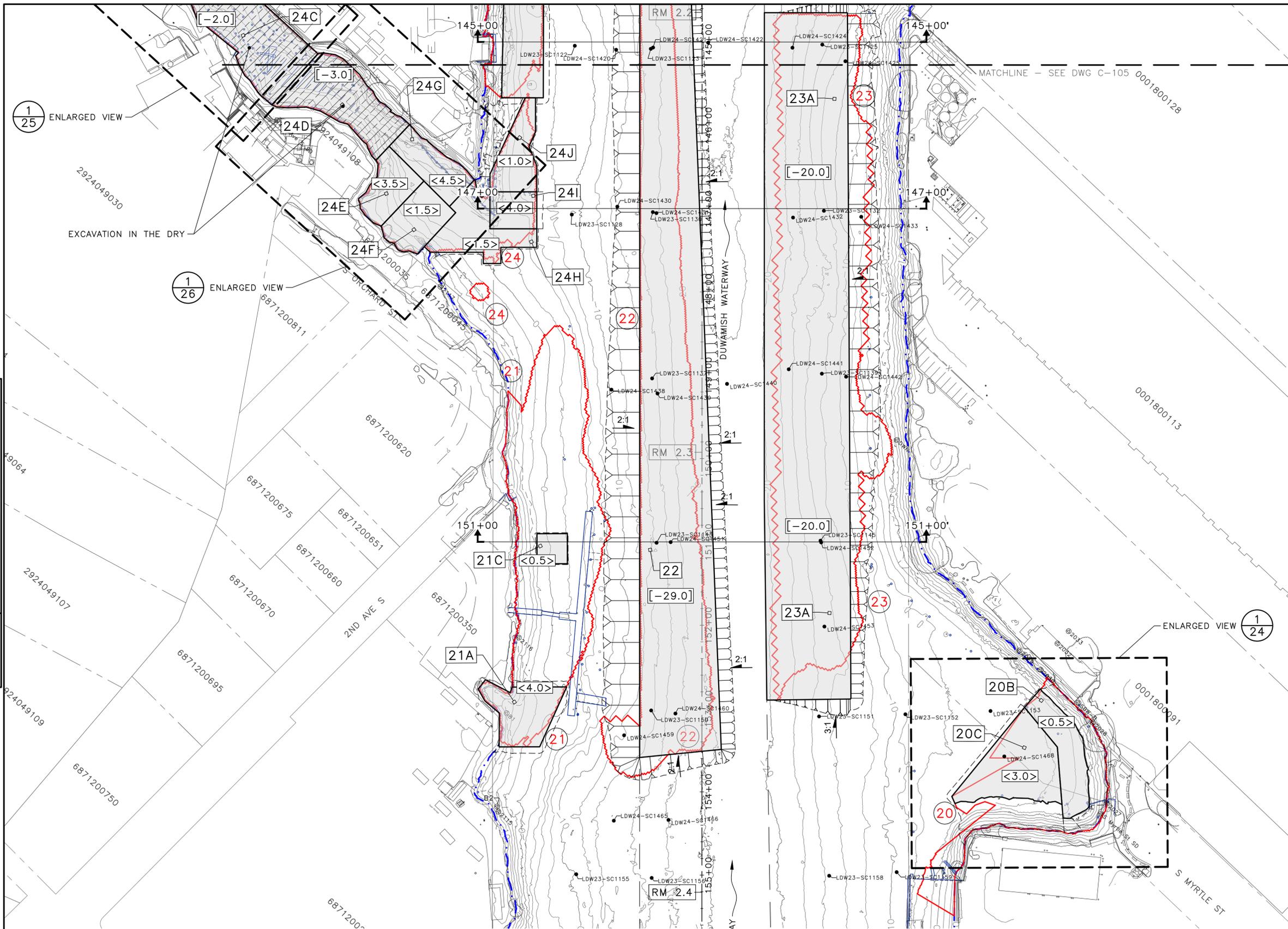
VPI # _____

C-103

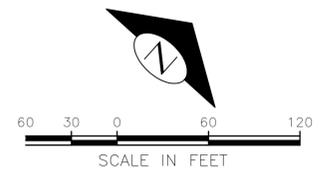
SHEET 16 OF 69

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.



- LEGEND:
- MATCHLINE
 - USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - PIERS
 - WATERWAY OBSTRUCTIONS
 - DREDGE PRISM FOOTPRINT BOUNDARY (TOE OF CUT)
 - ESTIMATED DREDGE PRISM DAYLIGHT BOUNDARY
 - DREDGE SLOPE SYMBOL
 - REQUIRED DREDGE ELEVATION IN FEET MLLW
 - REQUIRED DREDGE THICKNESS IN FEET
 - RAA NUMBER (REMEDIAL ACTION AREA)
 - PH2 RAL EXCEEDANCE AREA (9/30/25)
 - RAL EXCEEDANCE AREA NUMBER



- NOTES:
- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW

DREDGE PLAN (4 OF 7)

30% SUBMITTAL (NOT FOR CONSTRUCTION)

VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR

SEATTLE, WASHINGTON 20

BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE	
DESIGNED HS	REVIEWED:
CHECKED RD	DES. CONST.
	SDOT PROJ. MGR.
DRAWN JR/TG	RECEIVED
CHECKED KG	REVISED AS BUILT

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

ORDINANCE NO. PW NO.

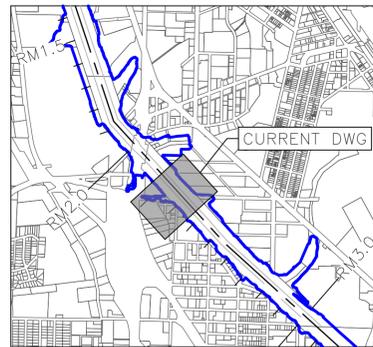
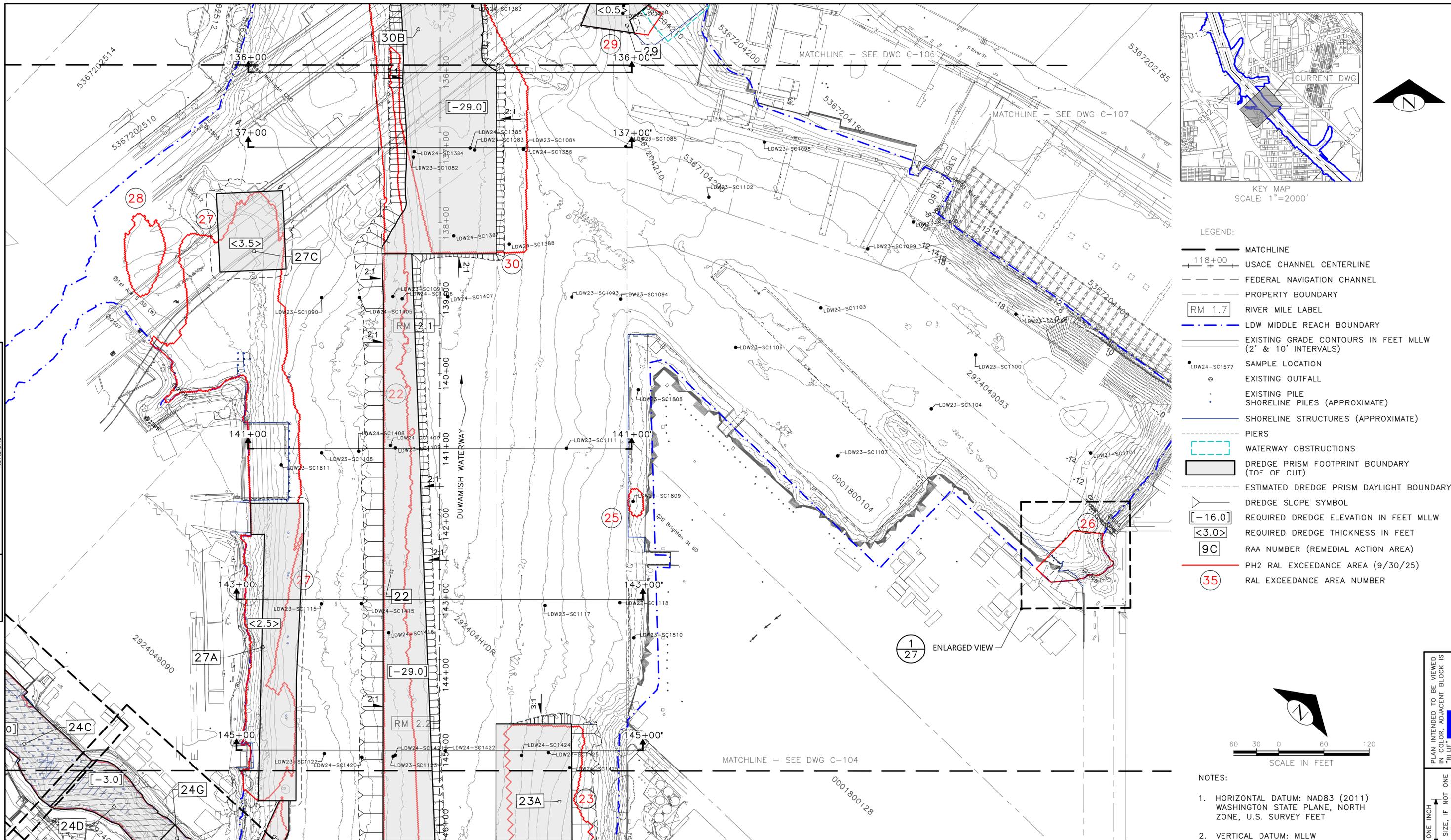
SCALE:

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

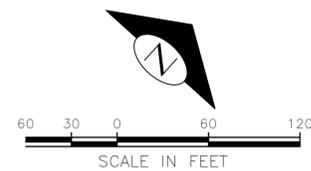
JOB #	PC
	CO
VPI #	
	C-104
SHEET	17 OF 69

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.



- LEGEND:
- MATCHLINE
 - USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
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 - PH2 RAL EXCEEDANCE AREA (9/30/25)
 - RAL EXCEEDANCE AREA NUMBER



- NOTES:
- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW

DREDGE PLAN (5 OF 7)

30% SUBMITTAL (NOT FOR CONSTRUCTION)

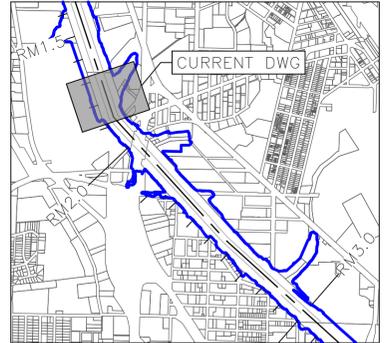
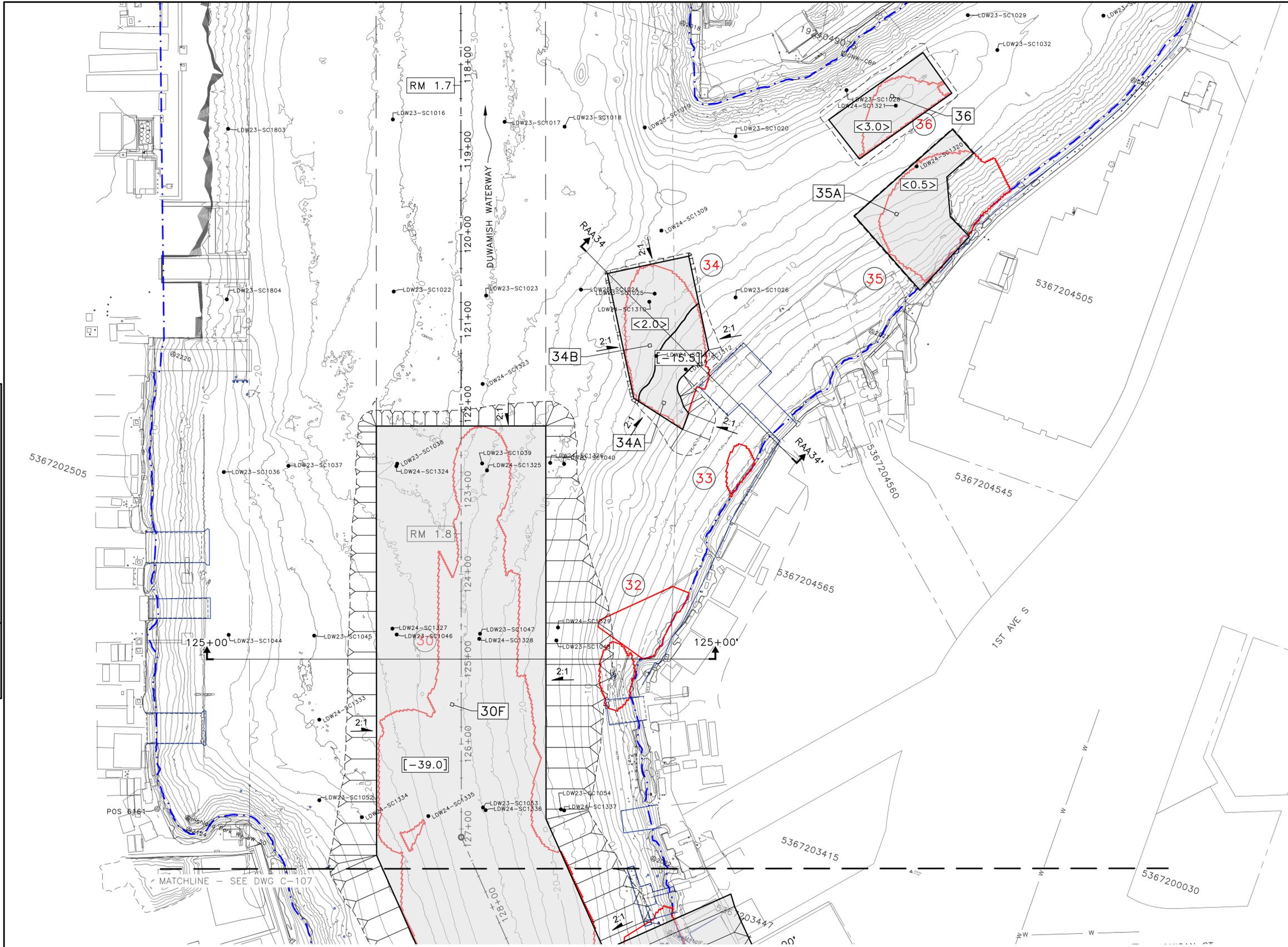
	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED HS CHECKED RD	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED		JOB # PC CO
	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	DRAWN JR/TG CHECKED KG	REVISED AS BUILT		PHASED-ENGINEERING DESIGN LOWER DUWAMISH MIDDLE REACH VPI # C-105

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

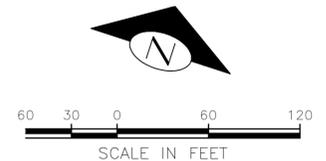
VAULT	SERIAL #	DATE	MARK	NATURE	MADE	CHK'D	REV'D

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PLAN INTENDED TO BE VIEWED
 IN COLOR. ADJACENT BLOCK IS
 "BLUE"
 ONE INCH
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY



- LEGEND:
- MATCHLINE
 - 118+00 USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RM 1.7 RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - LDW24-SC1577 SAMPLE LOCATION
 - EXISTING OUTFALL
 - EXISTING PILE
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 - 35 RAL EXCEEDANCE AREA NUMBER



- NOTES:
- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW

DREDGE PLAN (7 OF 7)

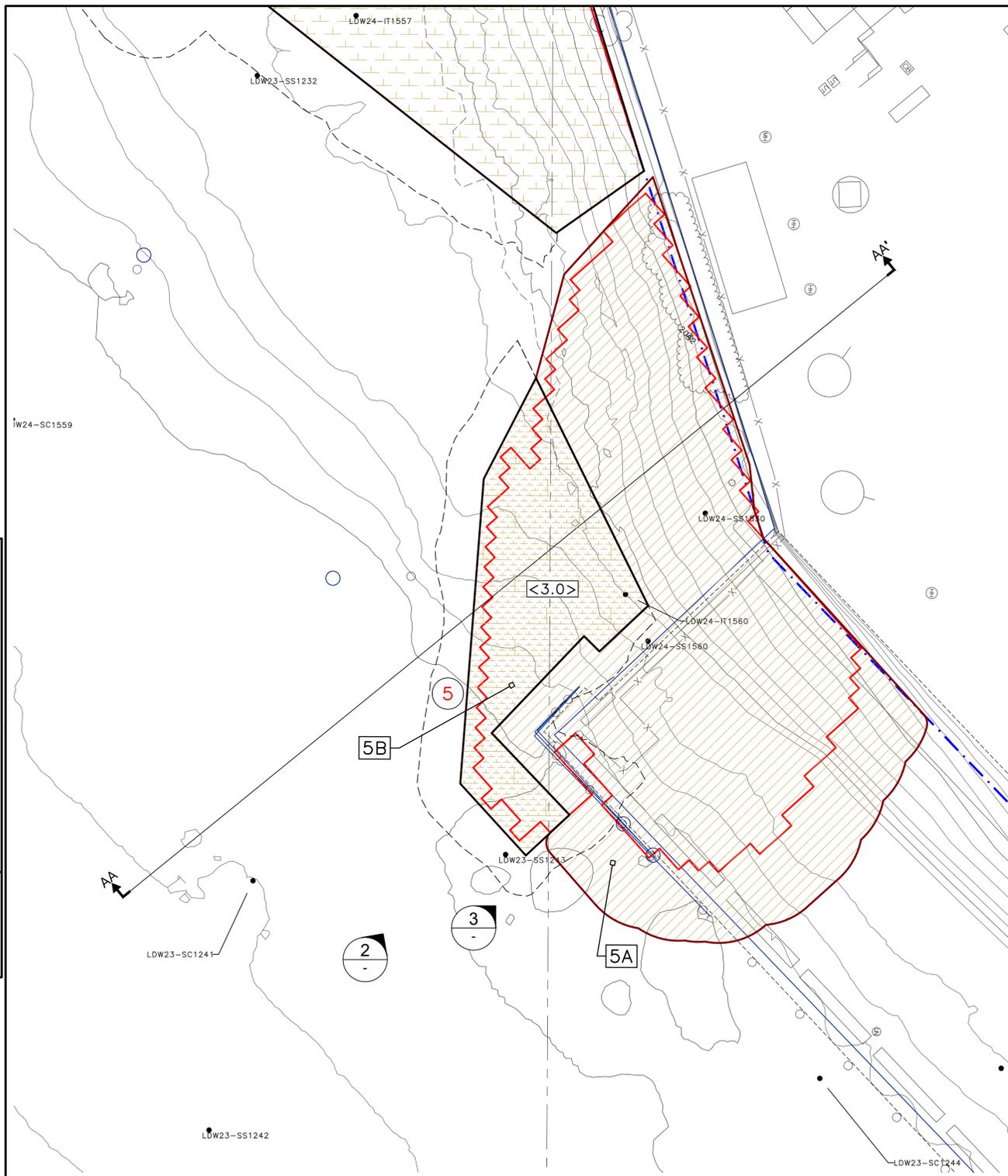
30% SUBMITTAL (NOT FOR CONSTRUCTION)

	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED HS CHECKED RD	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		PHASED-ENGINEERING DESIGN LOWER DUWAMISH MIDDLE REACH	JOB # PC CO
	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	ORDINANCE NO. PW NO. SCALE:			VPI # C-107
						SHEET 20 OF 69

VAULT	SERIAL #	DATE	MARK	NATURE	MADE	CHK'D	REV'D

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PLAN INTENDED TO BE VIEWED
 IN COLOR. ADJACENT BLOCK IS
 "BLUE"
 ONE INCH
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY



ENLARGED PLAN VIEW 1
SCALE: 1" = 10'

- NOTES:
- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW
 - SEE LEGEND ON DRAWING C-101 AND C-301.

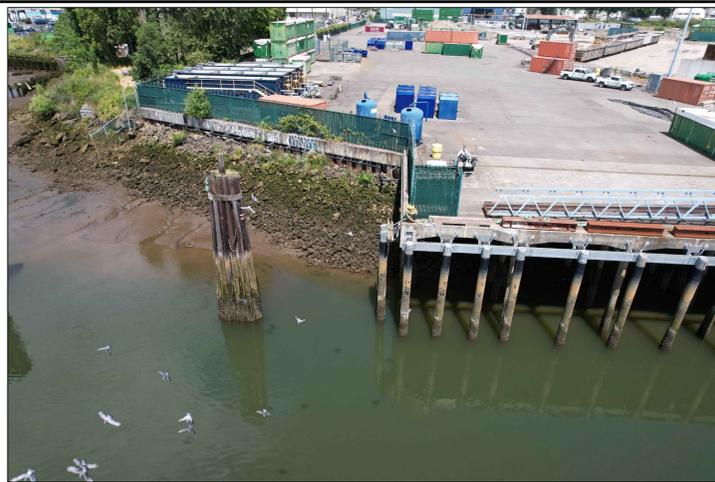
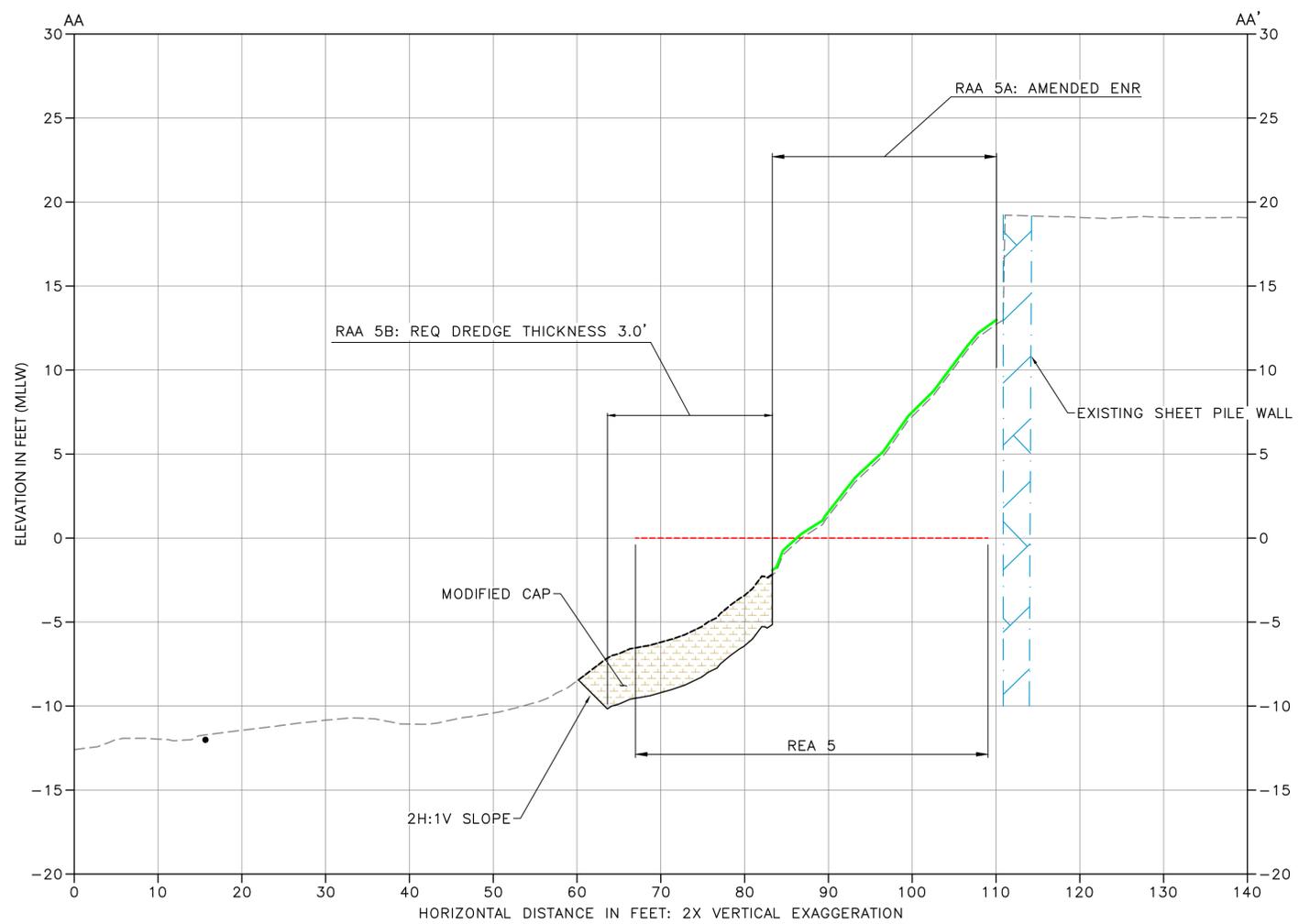


PHOTO 2
NTS



PHOTO 3
NTS



SECTION AA-AA' SHEET 21
SCALE: HOR 1"=10'; VER 1"=5'

30% SUBMITTAL (NOT FOR CONSTRUCTION)

RAA05 ENLARGED PLAN, SECTIONS, AND PHOTOS



APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR		INITIALS AND DATE	
DESIGNED HS	CHECKED RD	REVIEWED: DES.	CONST.
SEATTLE, WASHINGTON	20	SDOT	PROJ. MGR.
DRAWN JR/TG		RECEIVED	
CHECKED KG		REVISED AS BUILT	
BY: _____		ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	
FAS PURCHASING AND CONTRACTING DIRECTOR			

Seattle Public Utilities

ORDINANCE NO. _____ PW NO. _____

SCALE: _____

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

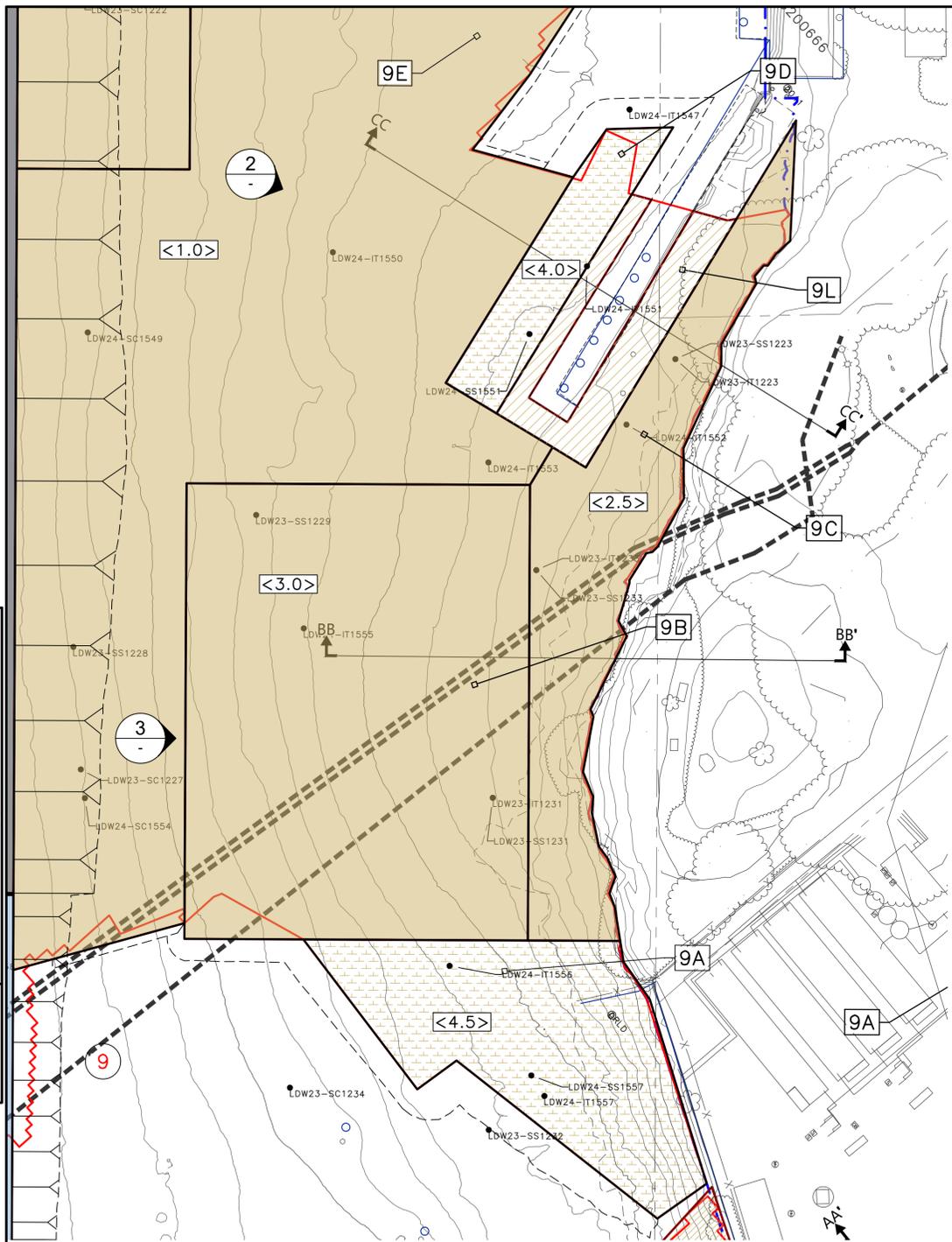
JOB #	PC
CO	CO
VPI #	
C-150	
SHEET 21 OF 69	

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE"

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jennard: Oct-24-25 2:47pm

VAULT	SERIAL #	DATE	MARK	NATURE	MADE	CHK'D	REV'D



ENLARGED PLAN VIEW (1)
SCALE: 1" = 20'

NOTES:

- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
- VERTICAL DATUM: MLLW
- SEE LEGEND ON DRAWING C-101 AND C-301.

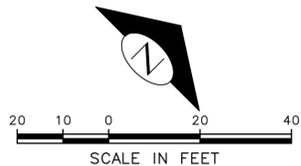
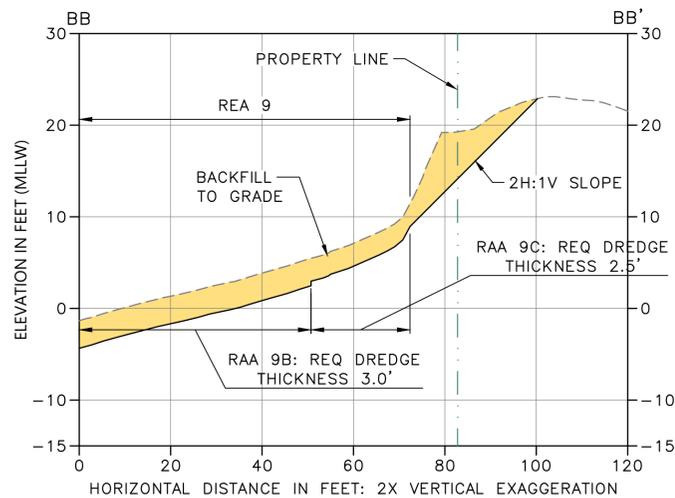


PHOTO (2)
NTS

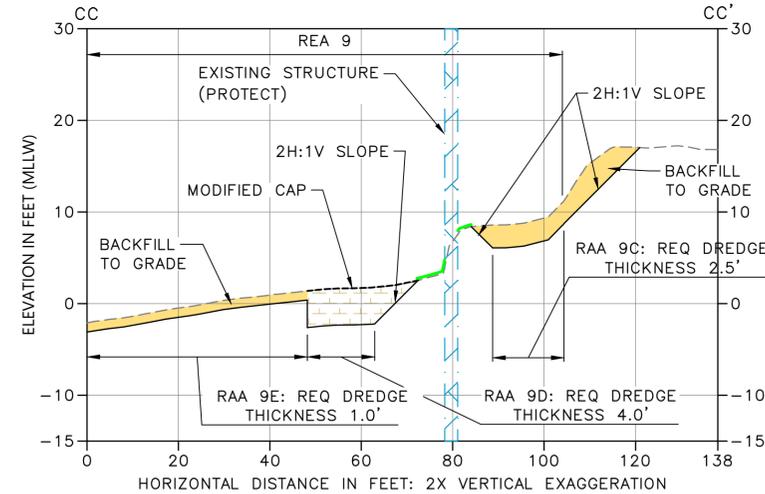


PHOTO (3)
NTS



SECTION BB-BB' SHEET 22

SCALE: HOR 1"=20'; VER 1"=10'



SECTION CC-CC' SHEET 22

SCALE: HOR 1"=20'; VER 1"=10'

NOTE: PLACE AMENDED ENR MATERIAL BETWEEN HISTORIC STRUCTURE AND MODIFIED CAP OR BACKFILL AREAS

30% SUBMITTAL (NOT FOR CONSTRUCTION)



APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR		INITIALS AND DATE	
DESIGNED HS	CHECKED RD	REVIEWED: DES. CONST.	SDOT PROJ. MGR.
SEATTLE, WASHINGTON	20	RECEIVED	
DRAWN JR/TG	CHECKED KG	REVISED AS BUILT	
BY: _____ FAS PURCHASING AND CONTRACTING DIRECTOR			

Seattle Public Utilities	
ORDINANCE NO.	PW NO.
SCALE:	

PHASED-ENGINEERING DESIGN LOWER DUWAMISH MIDDLE REACH	
JOB #	PC
	CO
VPI #	
C-151	
SHEET 22 OF 69	

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".
ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

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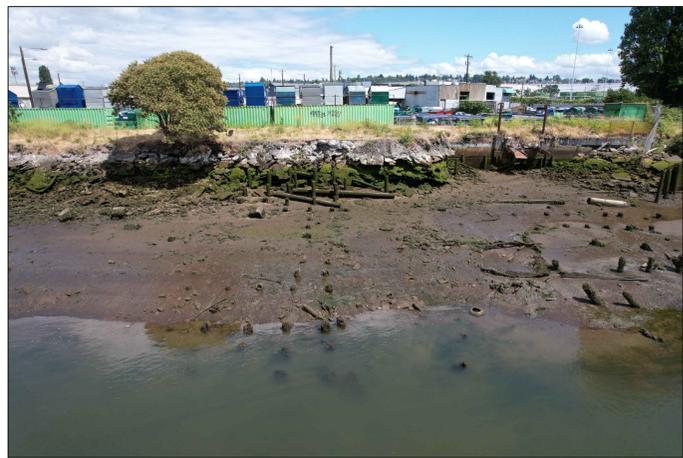
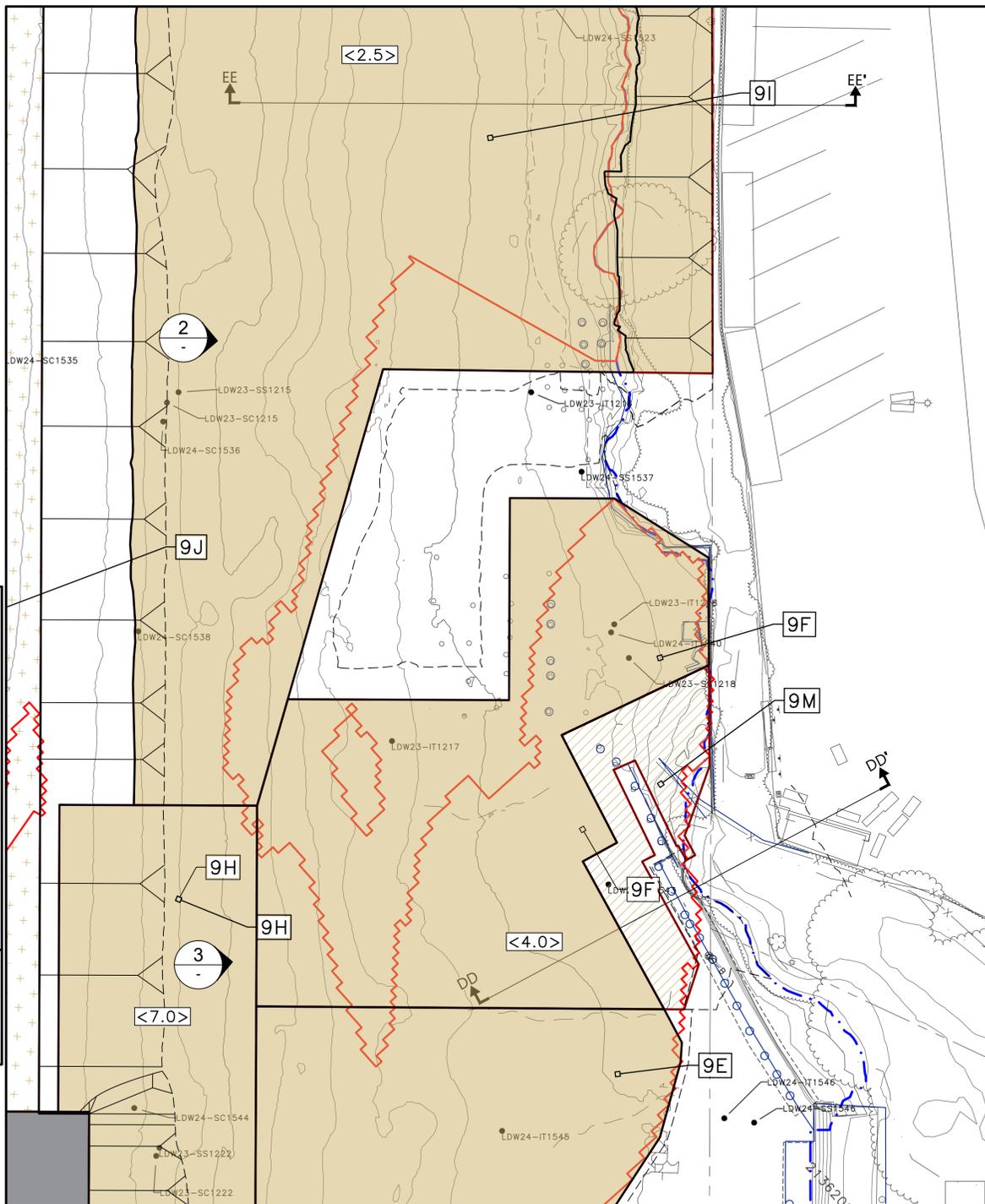
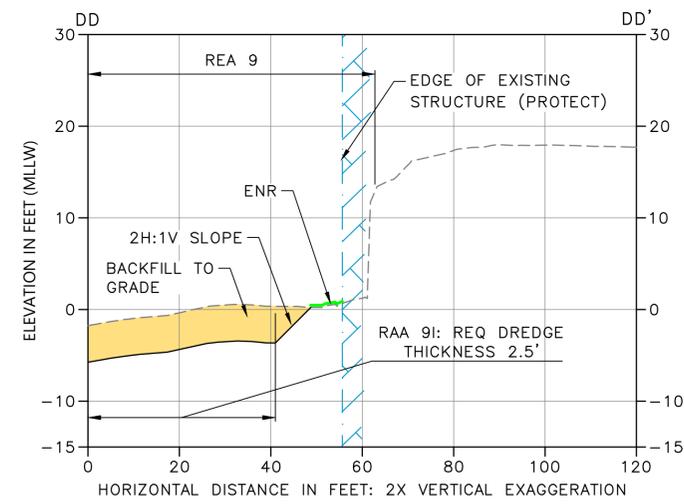


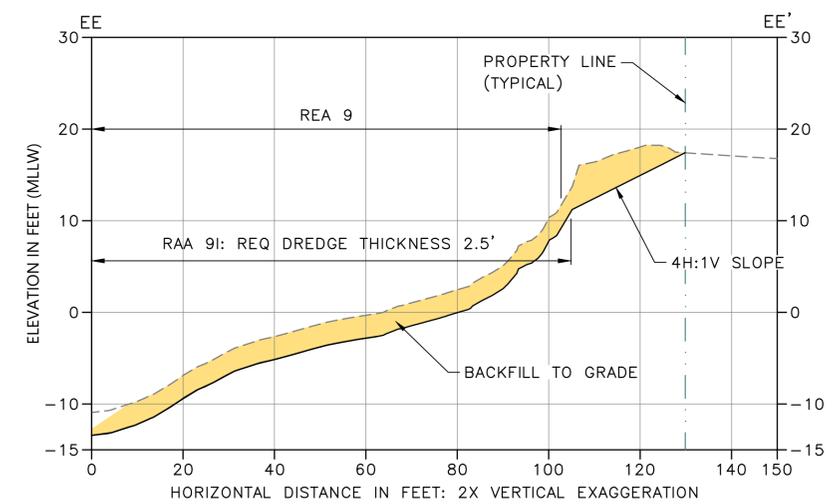
PHOTO 2
NTS



PHOTO 3
NTS



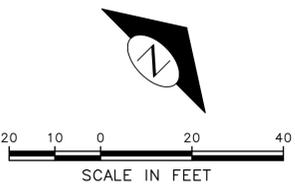
SECTION DD-DD' SHEET 23
SCALE: HOR 1"=20'; VER 1"=10'



SECTION EE-EE' SHEET 23
SCALE: HOR 1"=20'; VER 1"=10'

ENLARGED PLAN VIEW 1
SCALE: 1" = 20'

- NOTES:
- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW
 - SEE LEGEND ON DRAWING C-101 AND C-301.



30% SUBMITTAL (NOT FOR CONSTRUCTION)

RAA09 ENLARGED PLAN, SECTIONS, AND PHOTOS (2 OF 2)



APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED HS	CHECKED RD	REVIEWED: DES.	CONST.
DRAWN JR/TG	CHECKED KG	SDOT	PROJ. MGR.
		RECEIVED	
		REVISED AS BUILT	

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

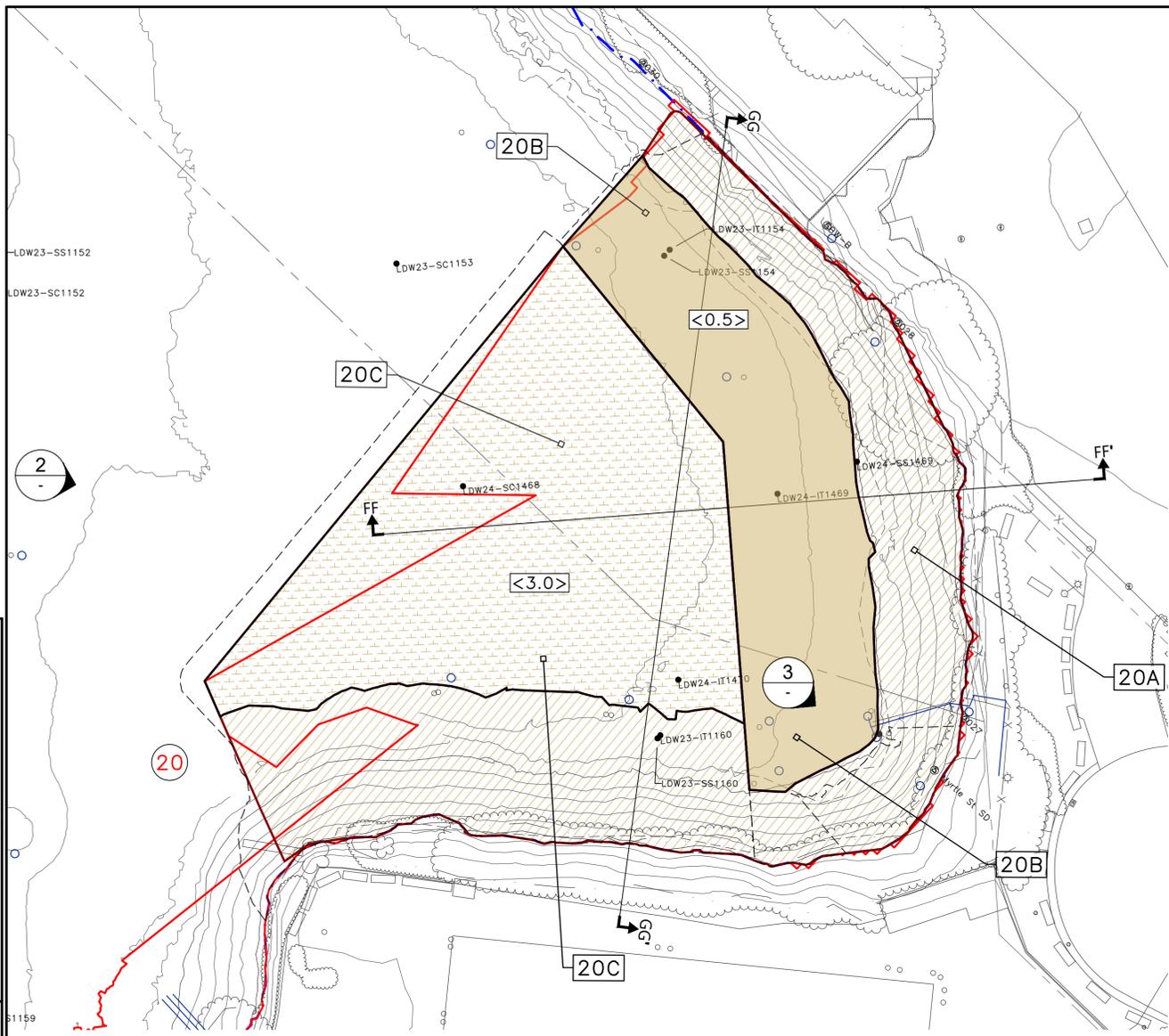
Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE:

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB NO.	PC
CO	CO
VPI #	
C-152	
SHEET 23 OF 69	

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".
 ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

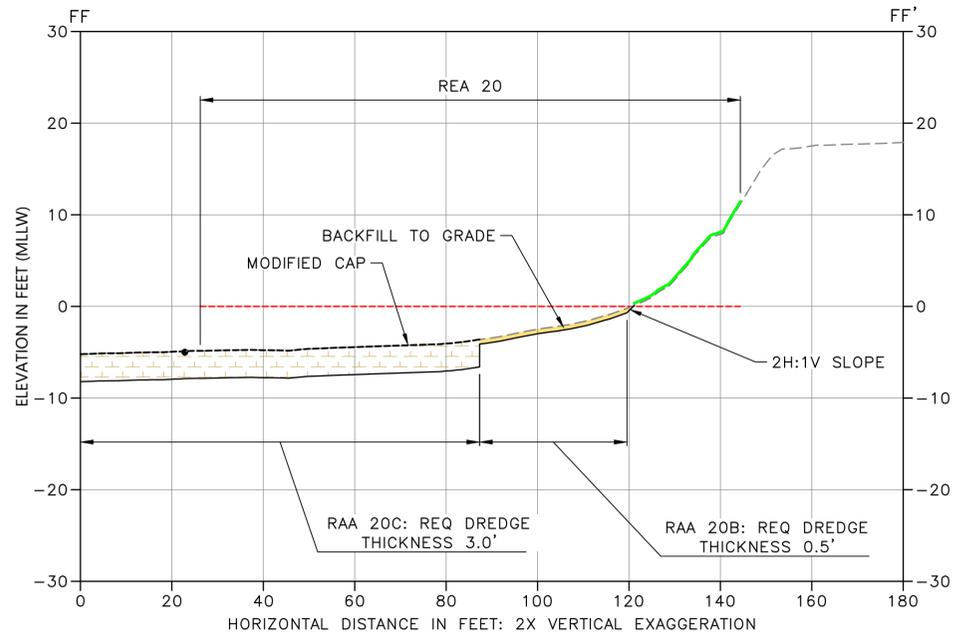
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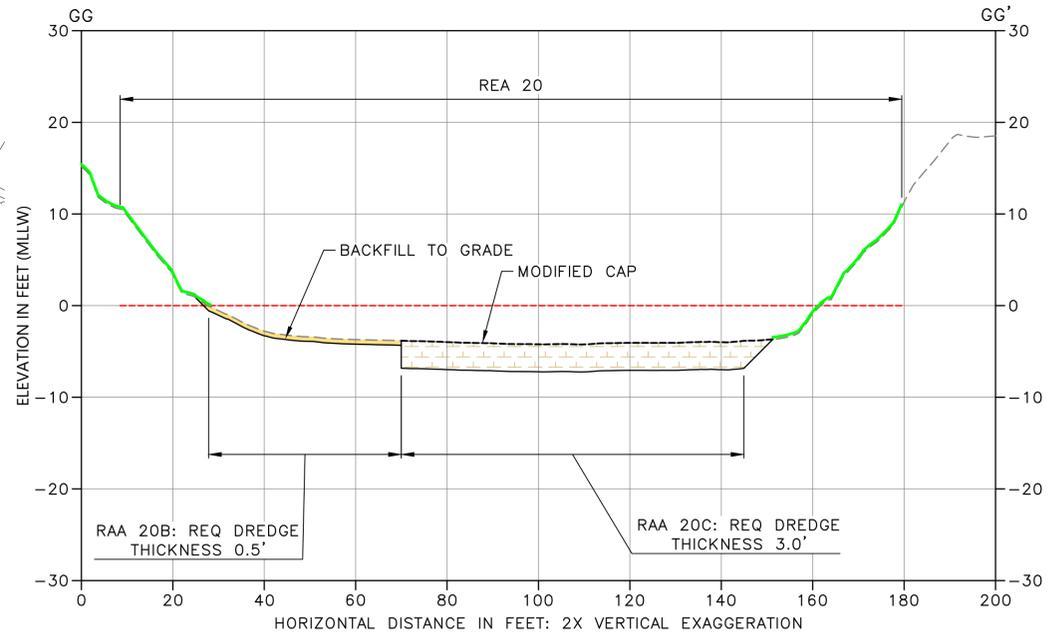
ENLARGED PLAN VIEW 1
SCALE: 1" = 20'

NOTES:

1. HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
2. VERTICAL DATUM: MLLW
3. SEE LEGEND ON DRAWING C-101 AND C-301.



SECTION FF-FF' SHEET 24
SCALE: HOR 1"=20'; VER 1"=10'



SECTION GG-GG' SHEET 24
SCALE: HOR 1"=20'; VER 1"=10'



PHOTO 2
NTS



PHOTO 3
NTS

30% SUBMITTAL (NOT FOR CONSTRUCTION)

RAA20 ENLARGED PLAN, SECTIONS, AND PHOTOS



APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE DESIGNED HS CHECKED RD	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR.
DRAWN JR/TG CHECKED KG	RECEIVED REVISED AS BUILT
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	

Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE:

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB PC CO	C-153
VPI #	
SHEET 24 OF 69	

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".
 ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

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 Penmark: Oct-24-25 2:59pm



- NOTES:
- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW
 - SEE LEGEND ON DRAWING C-101 AND C-301.

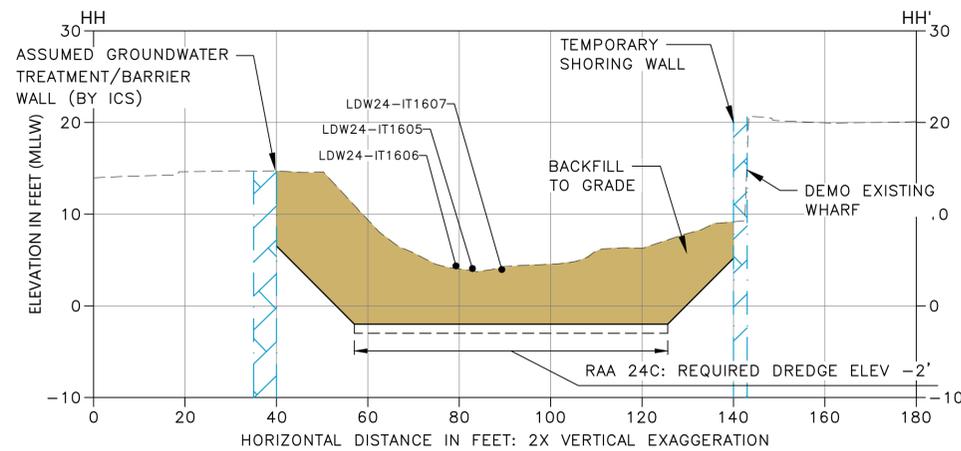
ENLARGED PLAN VIEW (1)
SCALE: 1" = 20'



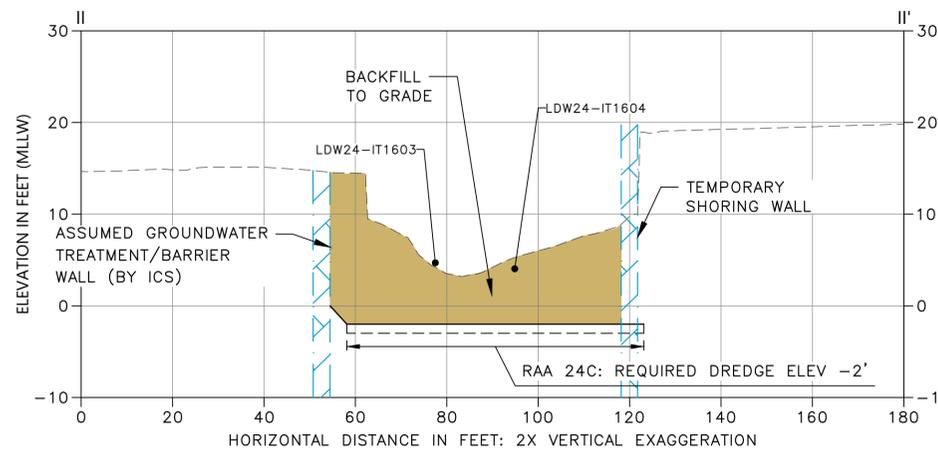
PHOTO (2)
NTS



PHOTO (3)
NTS



SECTION HH-HH' 25
SCALE: 1" = 20'



SECTION II-II' 25
SCALE: 1" = 20'

30% SUBMITTAL (NOT FOR CONSTRUCTION)

RM 2.2W ENLARGED PLAN, SECTIONS, AND PHOTOS (1 OF 2)



APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR		INITIALS AND DATE	
DESIGNED HS	CHECKED RD	REVIEWED: DES.	CONST.
SEATTLE, WASHINGTON	20	SDOT	PROJ. MGR.
BY: _____		RECEIVED	
FAS PURCHASING AND CONTRACTING DIRECTOR		REVISED AS BUILT	
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.			

Seattle Public Utilities

ORDINANCE NO. _____ PW NO. _____

SCALE: _____

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

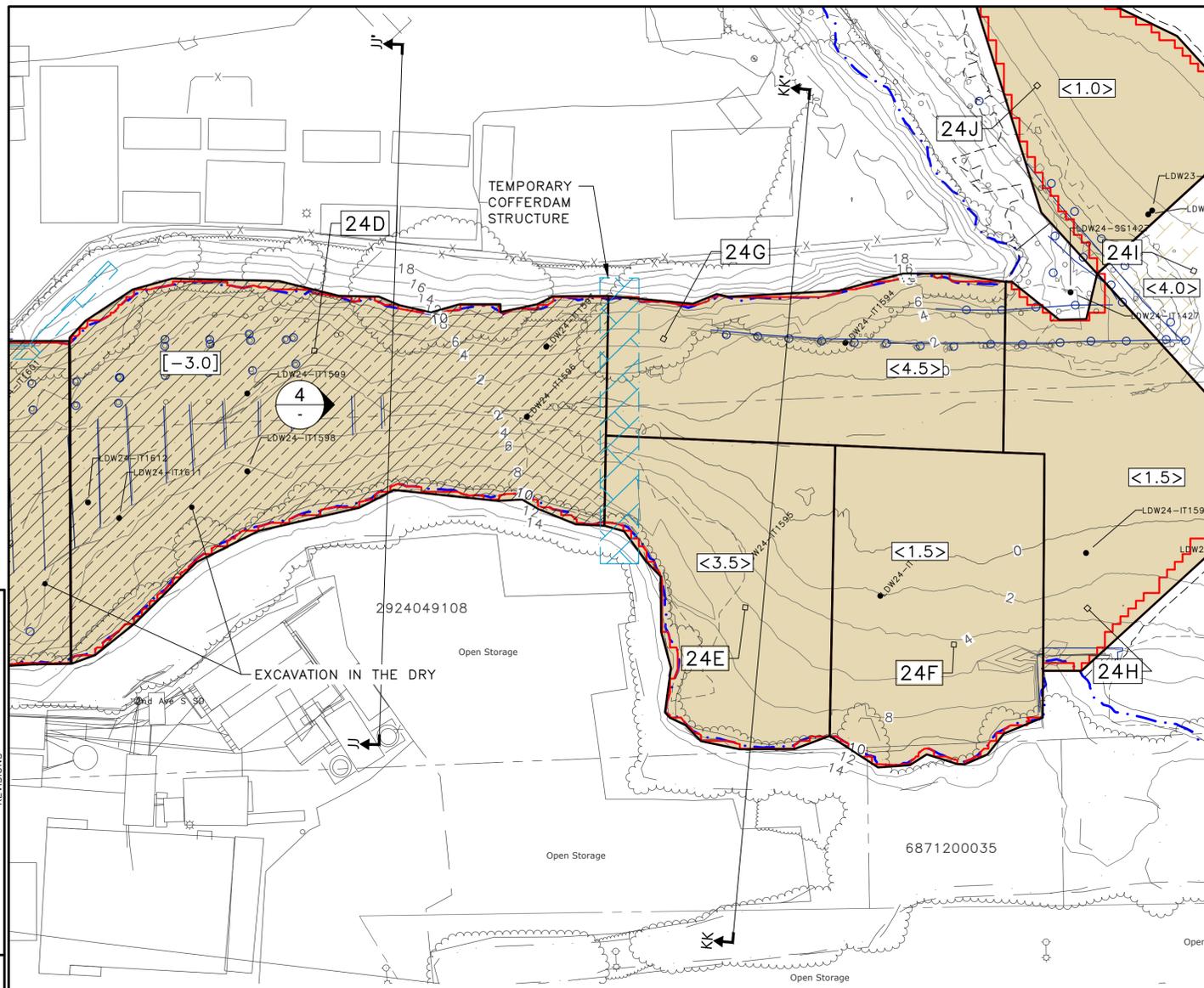
JOB #	PC
CO	CO
VPI #	
C-154	
SHEET 25 OF 69	

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".

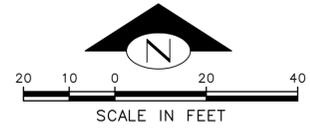
ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

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Penhard: Oct-24-25 2:52pm

VAULT	SERIAL #	DATE	MARK	NATURE	MADE	CHK'D	REV'D



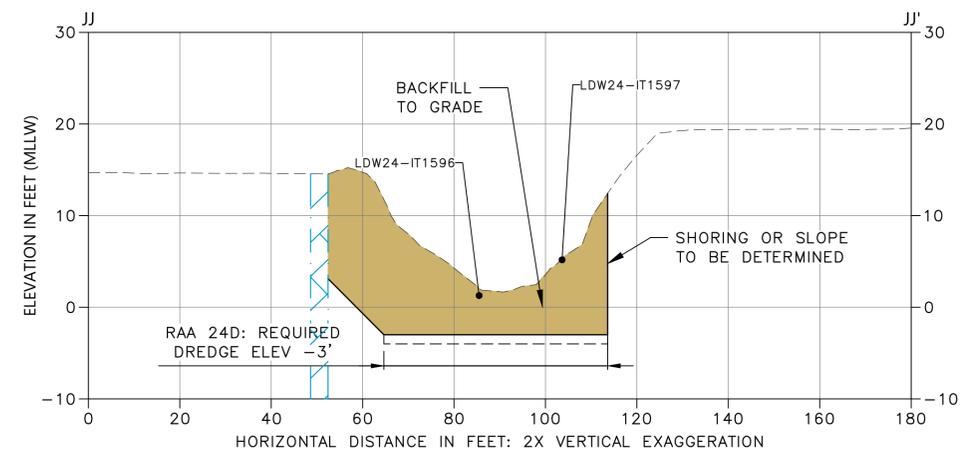
ENLARGED PLAN VIEW 1
SCALE: 1" = 20'



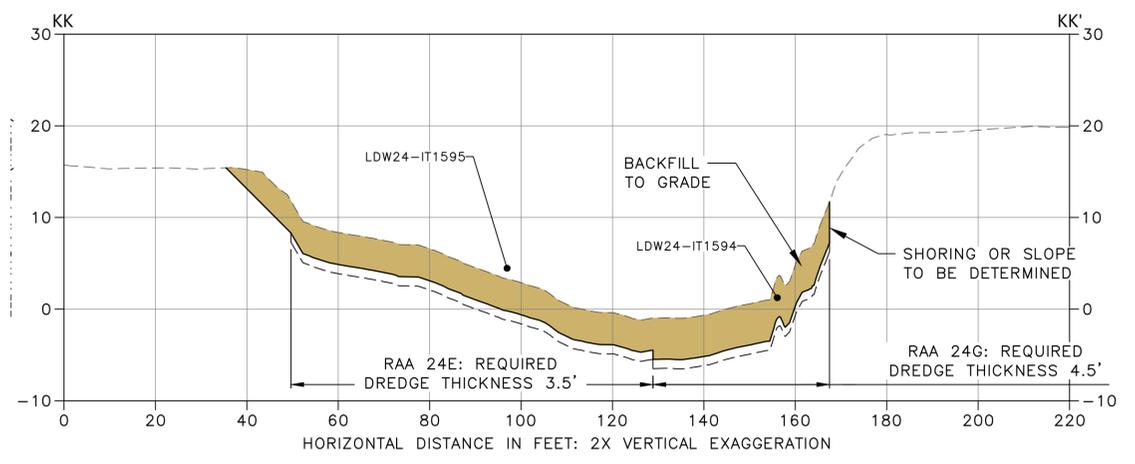
- NOTES:
- HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 - VERTICAL DATUM: MLLW
 - SEE FULL LEGEND ON DRAWING C-101 AND C-301.



PHOTO 4
NTS



SECTION JJ-JJ' SHEET 26
SCALE: HOR 1" = 20'; VER 1" = 10'



SECTION KK-KK' SHEET 26
SCALE: HOR 1" = 20'; VER 1" = 10'

30% SUBMITTAL (NOT FOR CONSTRUCTION)



APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR		INITIALS AND DATE		INITIALS AND DATE	
SEATTLE, WASHINGTON 20		DESIGNED HS	REVIEWED:	DES.	CONST.
		CHECKED RD		SDOT	PROJ. MGR.
		DRAWN JR/TG		RECEIVED	
		CHECKED KG		REVISED AS BUILT	
BY:		ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.			
FAS PURCHASING AND CONTRACTING DIRECTOR					

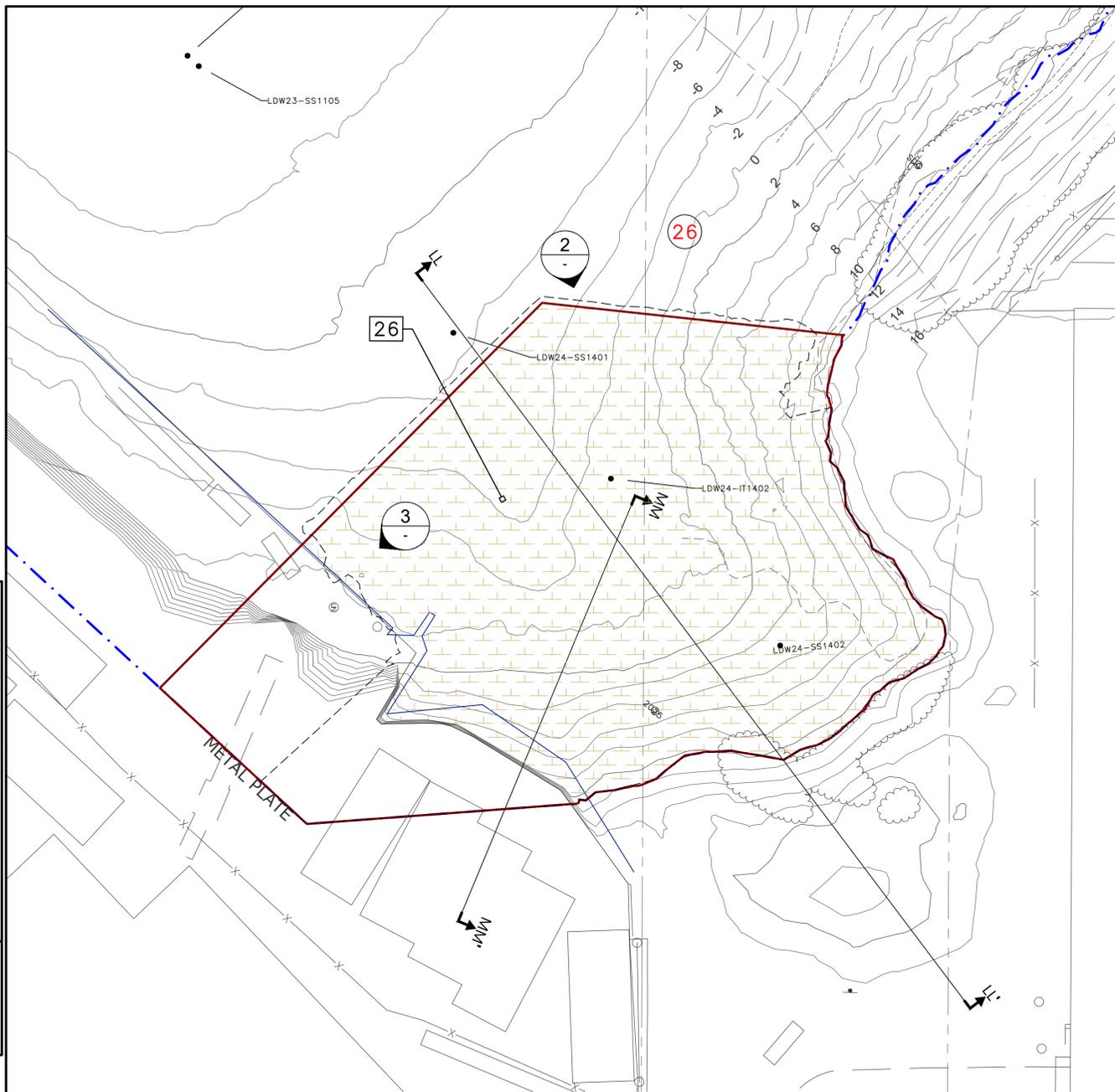


PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB #	PC
	CO
VPI #	
	C-155
SHEET	26 OF 69

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".
 ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

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 Printend: Oct-24-25 2:53pm



ENLARGED PLAN VIEW 1
SCALE: 1" = 10'



NOTES:

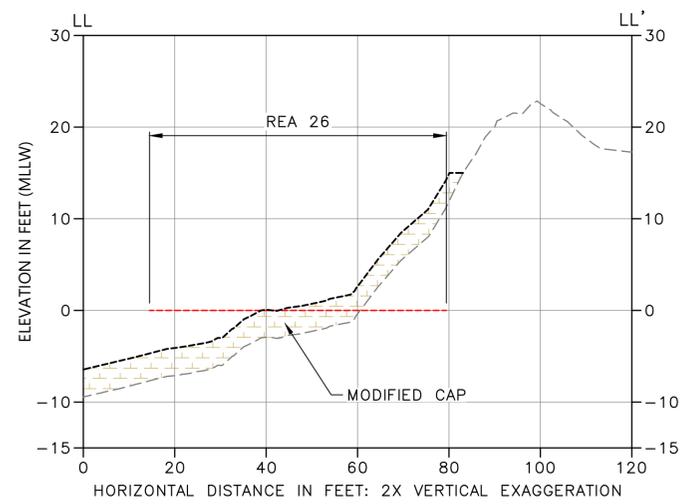
1. HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
2. VERTICAL DATUM: MLLW
3. SEE LEGEND ON DRAWING C-101 AND C-301.



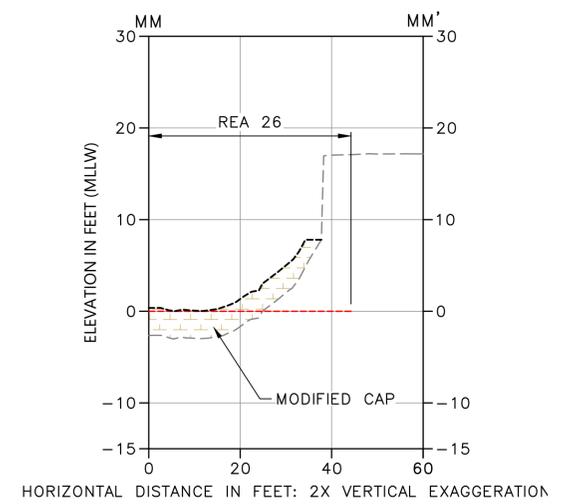
PHOTO 2
NTS



PHOTO 3
NTS



SECTION LL-LL' SHEET 27
SCALE: HOR 1"=20'; VER 1"=10'



SECTION MM-MM' SHEET 27
SCALE: HOR 1"=20'; VER 1"=10'

30% SUBMITTAL (NOT FOR CONSTRUCTION)

RAA26 ENLARGED PLAN, SECTIONS, AND PHOTOS



APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20

INITIALS AND DATE DESIGNED HS CHECKED RD	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR.
DRAWN JR/TG CHECKED KG	RECEIVED REVISED AS BUILT
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	

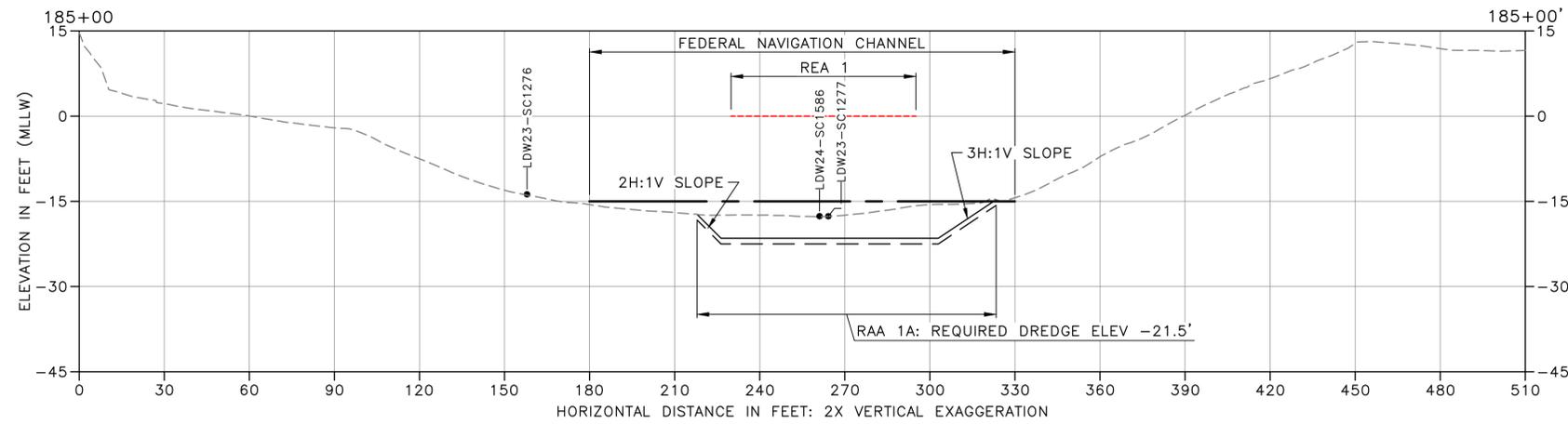
Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE:

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB NO. PC CO	VPI #
C-156	
SHEET 27 OF 69	

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".
 ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

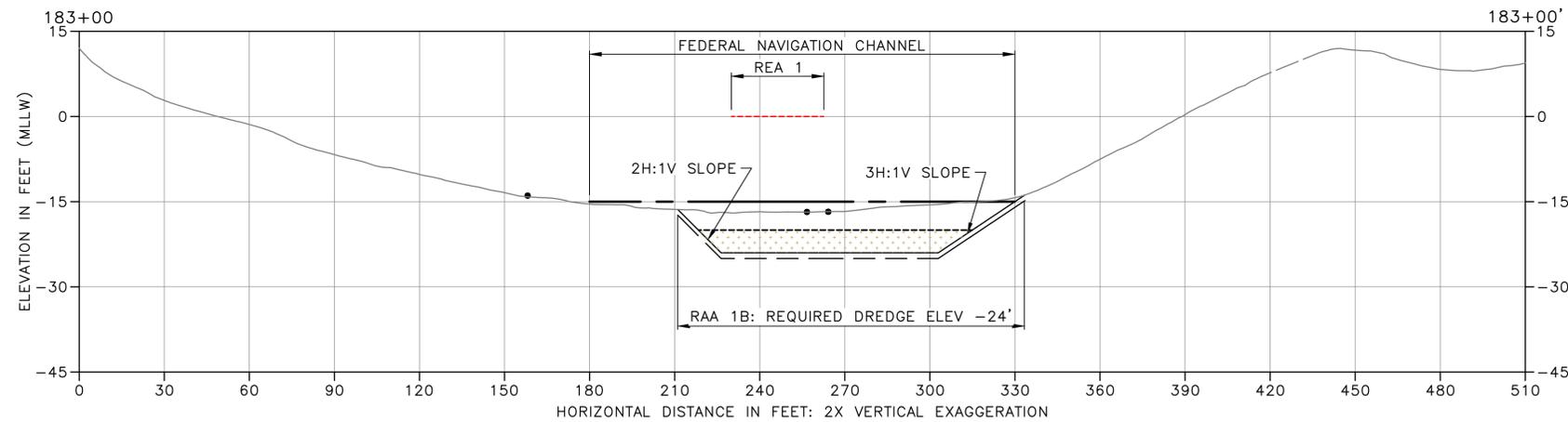
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SECTION 185+00 SHEET 14
SCALE: HOR 1"=30'; VER 1"=15'

- LEGEND:**
- EXISTING GRADE MERGED DATA SET
 - USACE AUTHORIZED CHANNEL ELEVATION (ELEVATION VARIES)
 - SAMPLE LOCATION
 - REQUIRED DREDGING
 - - - PAYABLE OVERDREDGE ALLOWANCE
 - STANDARD CAP
 - MODIFIED CAP
 - UTILITY CROSSING COVER
 - BACKFILL TO PRE-CONSTRUCTION GRADE
 - ENR

- NOTES:**
1. VERTICAL DATUM: MLLW
 2. RMC NOT SHOWN ON CROSS SECTIONS. SEE TYPICAL DETAILS FOR RMC PLACEMENT ON DRAWING C-212



SECTION 183+00 SHEET 14
SCALE: HOR 1"=30'; VER 1"=15'

30% SUBMITTAL (NOT FOR CONSTRUCTION)



APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR		INITIALS AND DATE		INITIALS AND DATE	
SEATTLE, WASHINGTON 20		DESIGNED HS	REVIEWED:	DES.	CONST.
BY:		CHECKED RD	SDOT	PROJ. MGR.	
FAS PURCHASING AND CONTRACTING DIRECTOR		DRAWN JR/TG	RECEIVED		
		CHECKED KG	REVISED AS BUILT		
		ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.			

Seattle Public Utilities

ORDINANCE NO. PW NO.

SCALE: AS NOTED

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB NO. PC COVPI #

C-201

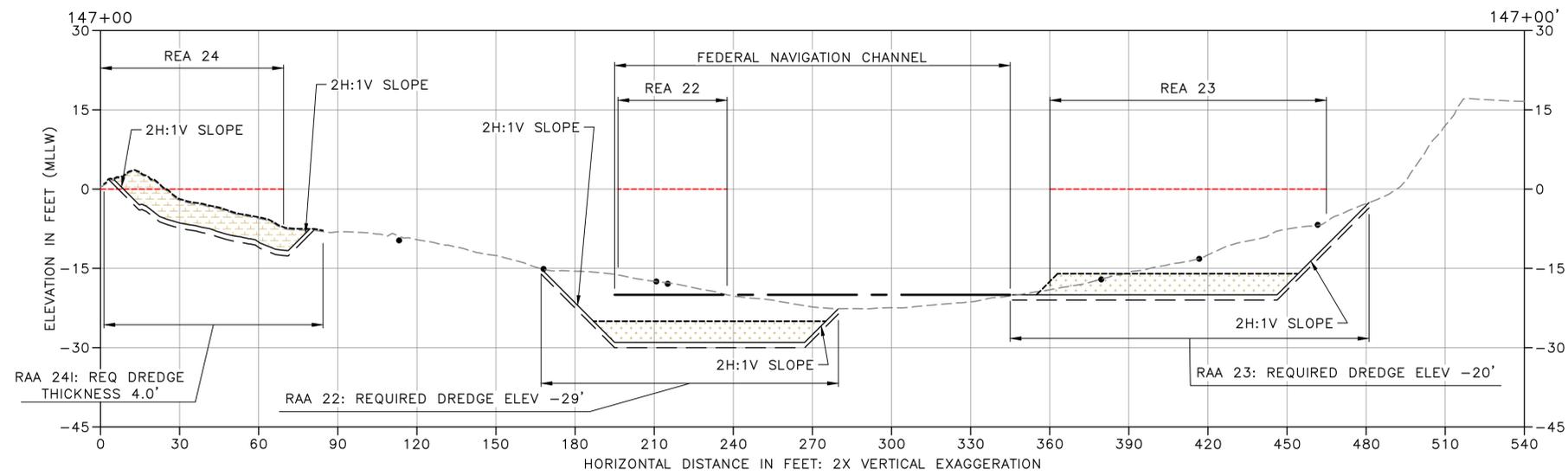
SHEET 28 OF 69

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

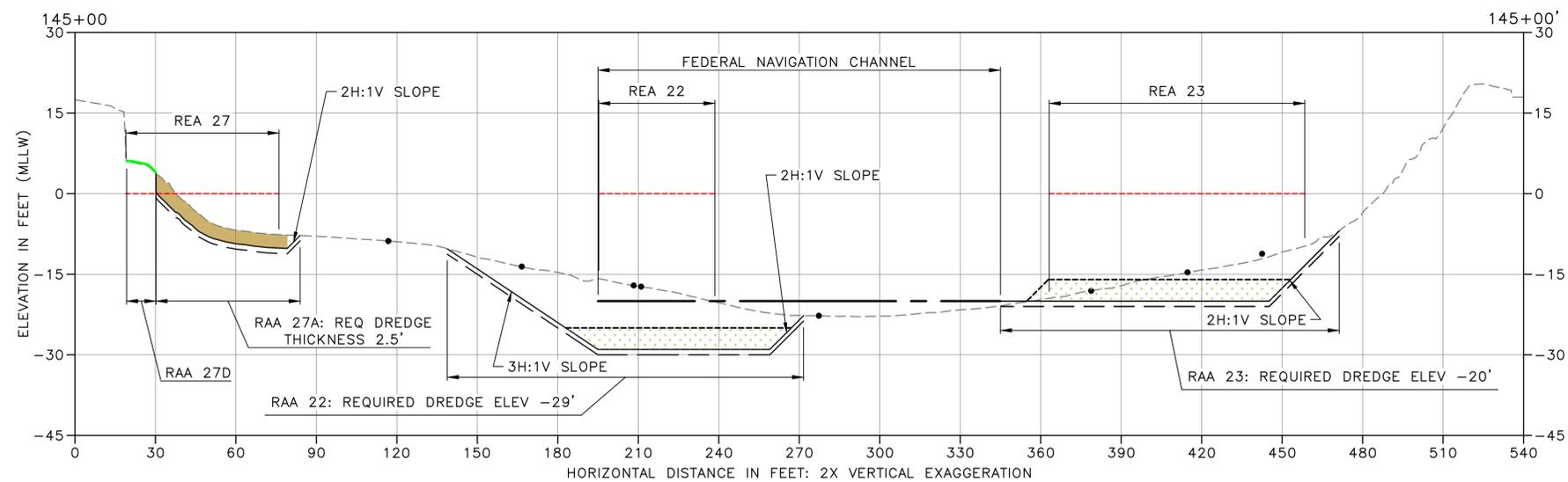
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jehinard: Oct-24-25 12:49pm



SECTION 147+00 SHEET 17
 SCALE: HOR 1"=30'; VER 1"=15'

- LEGEND:**
- EXISTING GRADE MERGED DATA SET
 - USACE AUTHORIZED CHANNEL ELEVATION (ELEVATION VARIES)
 - SAMPLE LOCATION
 - REQUIRED DREDGING
 - PAYABLE OVERDREDGE ALLOWANCE
 - STANDARD CAP
 - MODIFIED CAP
 - UTILITY CROSSING COVER
 - BACKFILL TO PRE-CONSTRUCTION GRADE
 - ENR

- NOTES:**
1. VERTICAL DATUM: MLLW
 2. RMC NOT SHOWN ON CROSS SECTIONS. SEE TYPICAL DETAILS FOR RMC PLACEMENT ON DRAWING C-212



SECTION 145+00 SHEET 18
 SCALE: HOR 1"=30'; VER 1"=15'

30% SUBMITTAL (NOT FOR CONSTRUCTION)



APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR		INITIALS AND DATE		INITIALS AND DATE	
SEATTLE, WASHINGTON 20		DESIGNED HS	REVIEWED:	DES.	CONST.
		CHECKED RD	SDOT	PROJ. MGR.	
		DRAWN JR/TG	RECEIVED		
		CHECKED KG	REVISED AS BUILT		
BY: FAS PURCHASING AND CONTRACTING DIRECTOR		ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.			

Seattle Public Utilities

ORDINANCE NO. _____ PW NO. _____

SCALE: AS NOTED

PHASED-ENGINEERING DESIGN
 LOWER DUWAMISH MIDDLE REACH

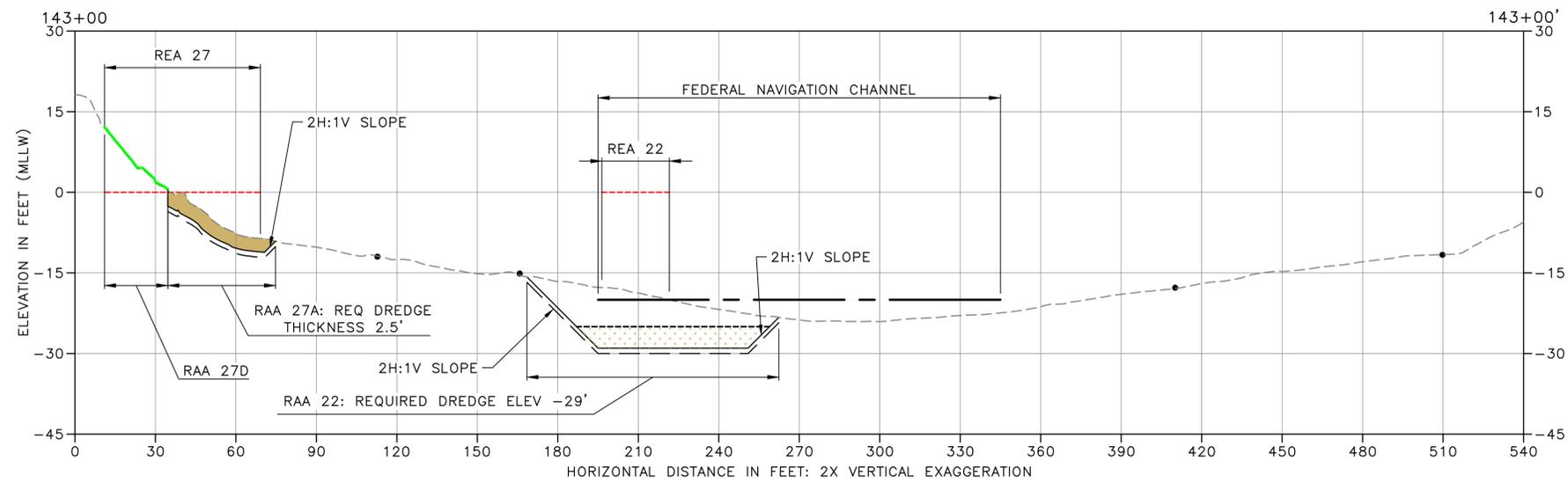
JOB	PC
CO	CO
VPI #	
C-206	
SHEET	33 OF 69

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE"
 ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY

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VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS

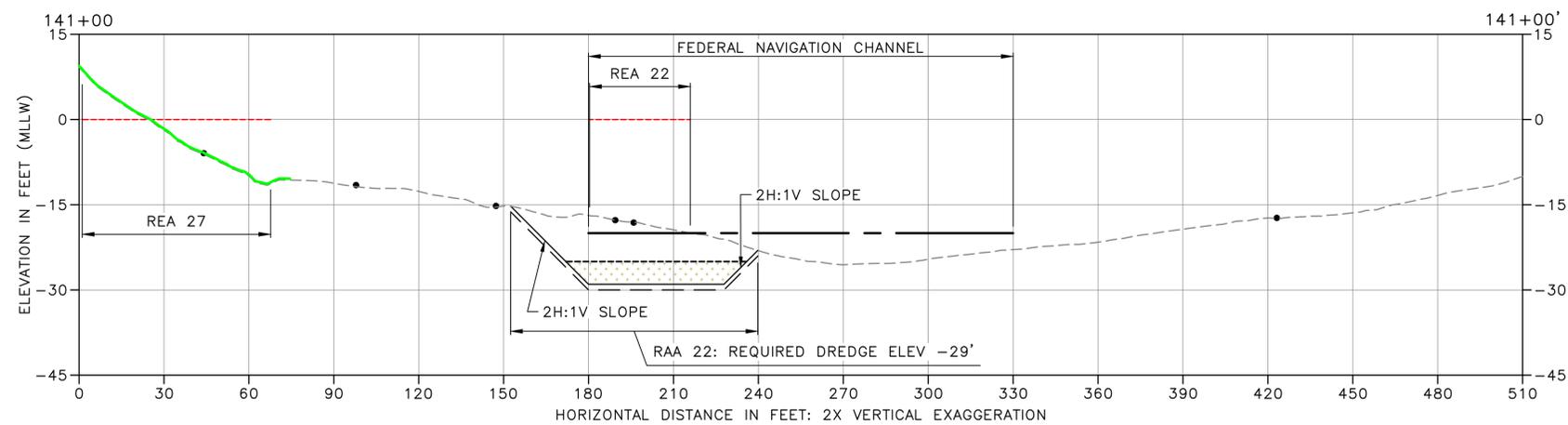
VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS



SECTION 143+00 SHEET 18
SCALE: HOR 1"=30'; VER 1"=15'

- LEGEND:
- EXISTING GRADE MERGED DATA SET
 - USACE AUTHORIZED CHANNEL ELEVATION (ELEVATION VARIES)
 - SAMPLE LOCATION
 - REQUIRED DREDGING
 - PAYABLE OVERDREDGE ALLOWANCE
 - STANDARD CAP
 - MODIFIED CAP
 - UTILITY CROSSING COVER
 - BACKFILL TO PRE-CONSTRUCTION GRADE
 - ENR

- NOTES:
1. VERTICAL DATUM: MLLW
 2. RMC NOT SHOWN ON CROSS SECTIONS. SEE TYPICAL DETAILS FOR RMC PLACEMENT ON DRAWING C-212



SECTION 141+00 SHEET 18
SCALE: HOR 1"=30'; VER 1"=15'

30% SUBMITTAL (NOT FOR CONSTRUCTION)



APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR		INITIALS AND DATE		INITIALS AND DATE	
SEATTLE, WASHINGTON 20		DESIGNED HS	CHECKED RD	REVIEWED:	DES. CONST.
BY:		DRAWN JR/TG	CHECKED KG	RECEIVED	SDOT PROJ. MGR.
FAS PURCHASING AND CONTRACTING DIRECTOR		ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0--02.3 OF THE PROJECT MANUAL.		REVISED AS BUILT	

Seattle Public Utilities

ORDINANCE NO. PW NO.

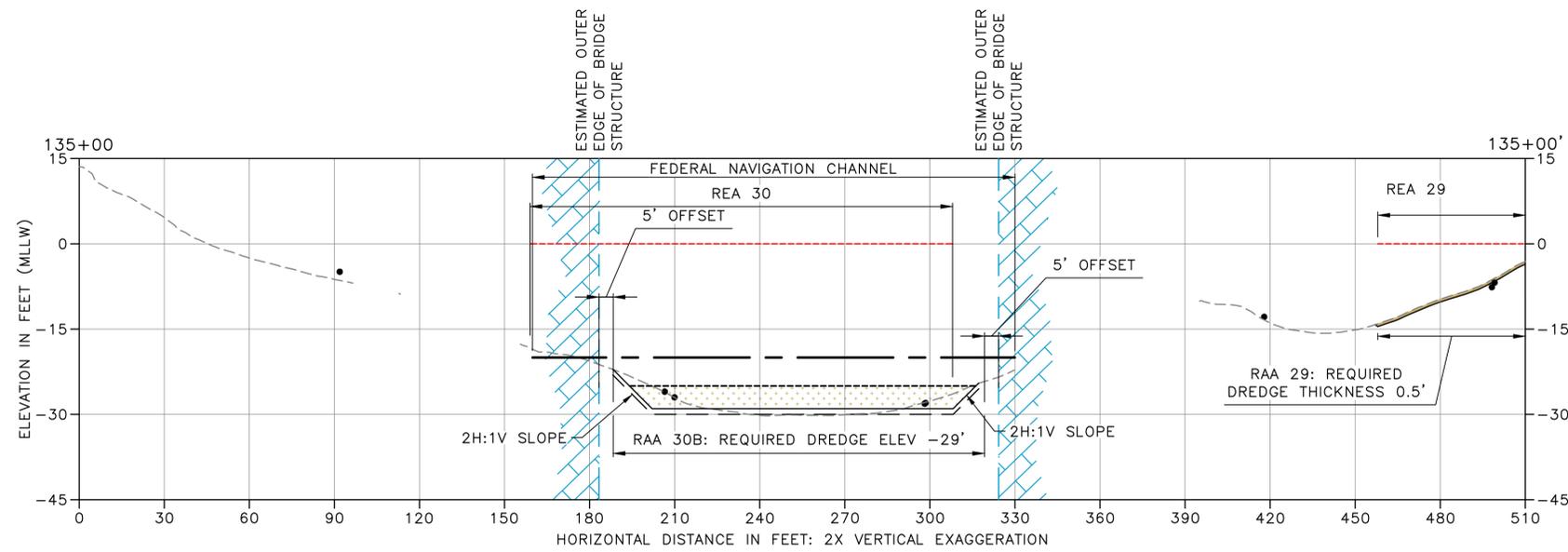
SCALE: AS NOTED

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB	PC
CO	CO
VPI #	
C-207	
SHEET	34 OF 69

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY
 PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE"

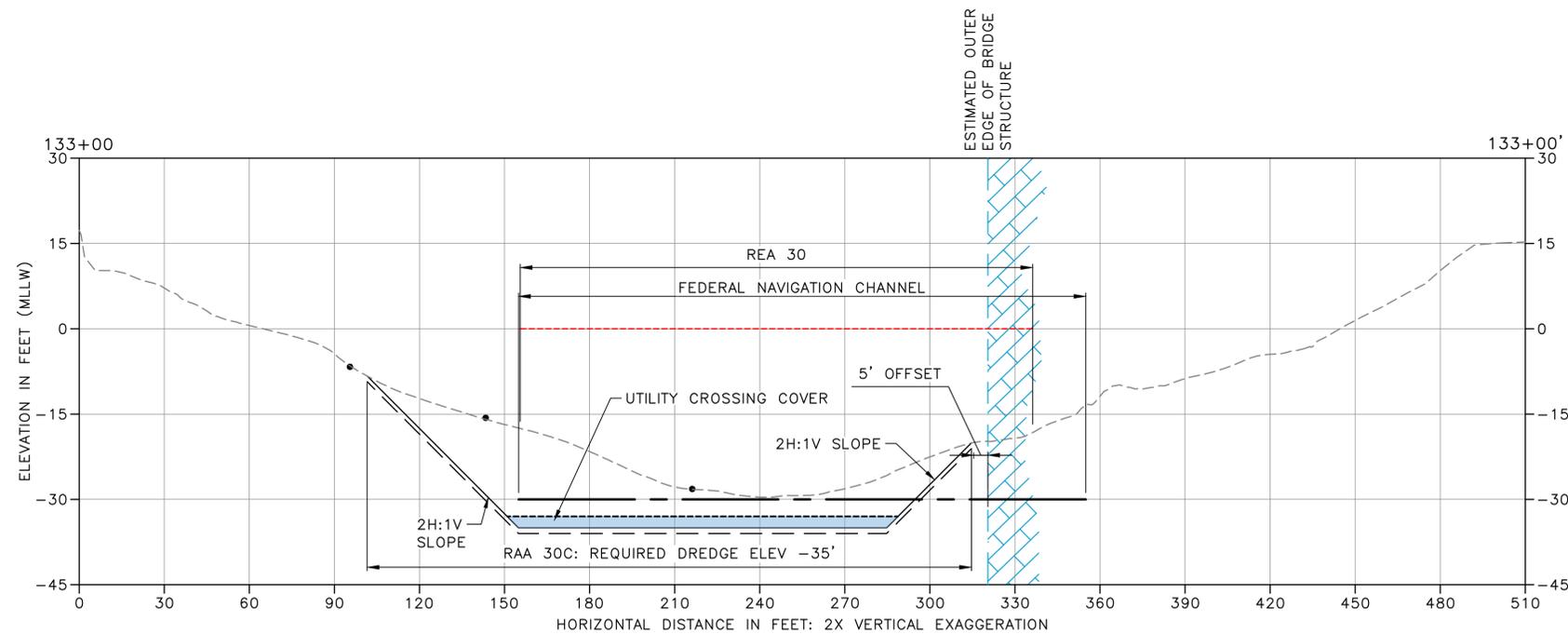
CROSS SECTIONS



SECTION 135+00 SHEET 19
SCALE: HOR 1"=30'; VER 1"=15'

- LEGEND:**
- EXISTING GRADE MERGED DATA SET
 - USACE AUTHORIZED CHANNEL ELEVATION (ELEVATION VARIES)
 - SAMPLE LOCATION
 - REQUIRED DREDGING
 - PAYABLE OVERDREDGE ALLOWANCE
 - STANDARD CAP
 - MODIFIED CAP
 - UTILITY CROSSING COVER
 - BACKFILL TO PRE-CONSTRUCTION GRADE
 - ENR
 - EXISTING BRIDGE STRUCTURE (ESTIMATED)

- NOTES:**
1. VERTICAL DATUM: MLLW
 2. RMC NOT SHOWN ON CROSS SECTIONS. SEE TYPICAL DETAILS FOR RMC PLACEMENT ON DRAWING C-212



SECTION 133+00 SHEET 19
SCALE: HOR 1"=30'; VER 1"=15'

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

30% SUBMITTAL (NOT FOR CONSTRUCTION)

CROSS SECTIONS



APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR		INITIALS AND DATE		INITIALS AND DATE	
SEATTLE, WASHINGTON 20		DESIGNED HS	REVIEWED:	DES.	CONST.
BY:		CHECKED RD	SDOT	PROJ. MGR.	
FAS PURCHASING AND CONTRACTING DIRECTOR		DRAWN JR/TG	RECEIVED		
		CHECKED KG	REVISED AS BUILT		
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.					

Seattle Public Utilities

ORDINANCE NO. PW NO.

SCALE: AS NOTED

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB NO. PC CO

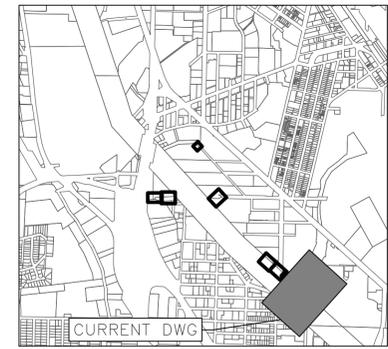
VPI #

C-209

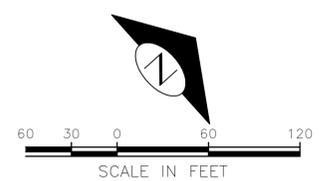
SHEET 36 OF 69

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jehnerat: Oct-24-25 12:50pm

VAULT	SERIAL #	DATE	MARK	NATURE	MADE	CHK'D	REV'D



- KEY MAP
SCALE: 1"=2000'
- LEGEND:
- MATCHLINE
 - USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - PIERS
 - WATERWAY OBSTRUCTIONS
 - ENR
 - AMENDED ENR
 - STANDARD CAP
 - MODIFIED CAP
 - REQUIRED RMC
 - UTILITY CROSSING COVER
 - BACKFILL TO RESTORE GRADE
 - RAA NUMBER (REMEDIAL ACTION AREA)
 - PH2 RAL EXCEEDANCE AREA (9/30/25)
 - RAL EXCEEDANCE AREA NUMBER



- NOTES:
1. HORIZONTAL DATUM: NAD83 (2011)
WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 2. VERTICAL DATUM: MLLW

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

30% SUBMITTAL (NOT FOR CONSTRUCTION)

MATERIAL PLACEMENT PLAN (1 OF 7)

VAULT	SERIAL #	DATE	MARK	NATURE	MADE	CHK'D	REV'D



APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR

SEATTLE, WASHINGTON 20

BY:

FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED HS	CHECKED RD	REVIEWED: DES.	CONST.
DRAWN JR/TG	CHECKED KG	SDOT	PROJ. MGR.
		RECEIVED	
		REVISED AS BUILT	

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

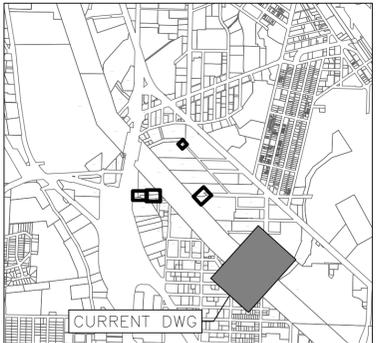
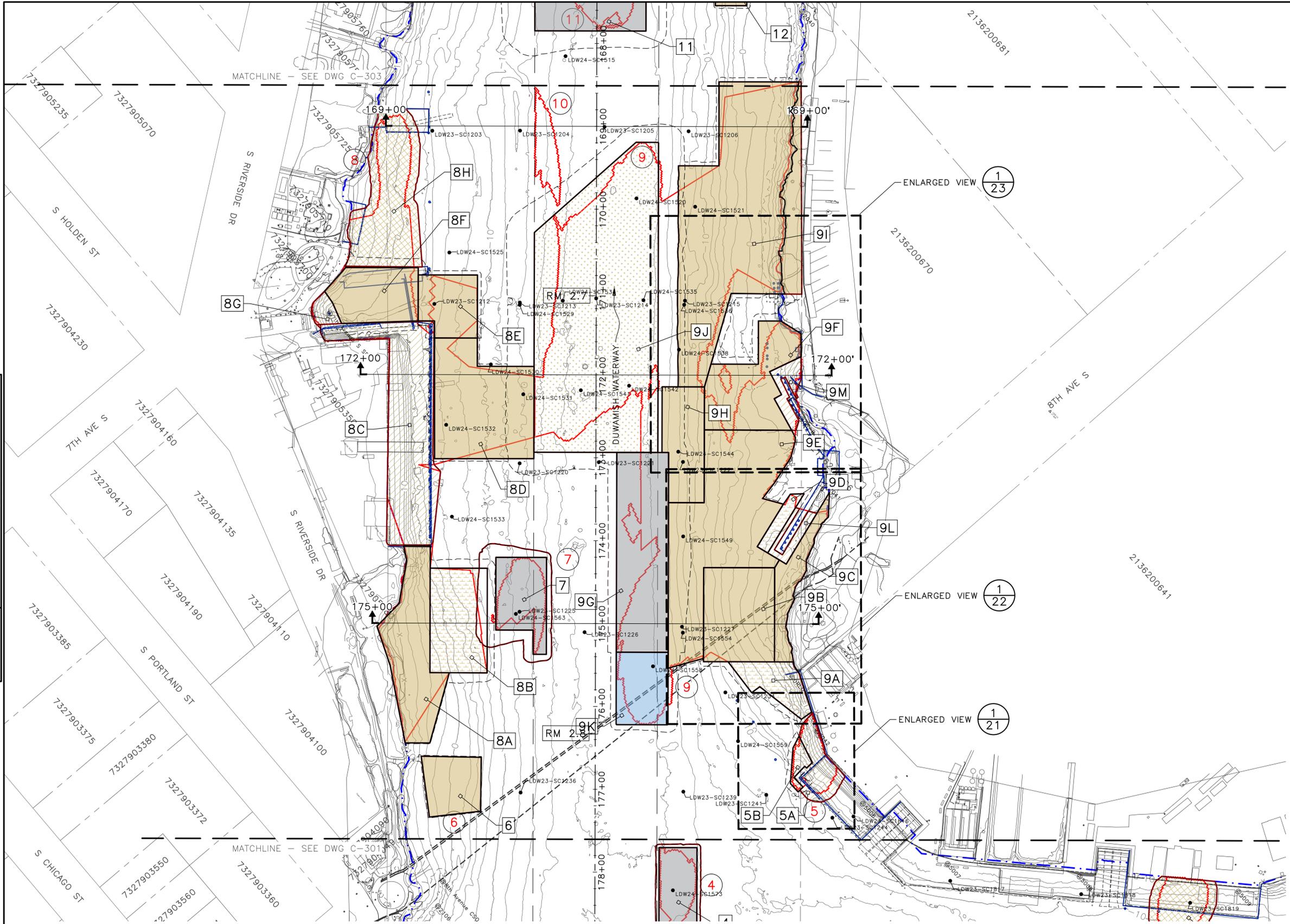
Seattle Public Utilities

ORDINANCE NO. PW NO.

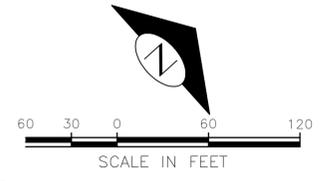
SCALE: AS NOTED

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB #	PC
	CO
VPI #	
C-301	
SHEET 40 OF 69	



- KEY MAP
SCALE: 1"=2000'
- LEGEND:
- MATCHLINE
 - USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
 - PROPERTY BOUNDARY
 - RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - SAMPLE LOCATION
 - EXISTING OUTFALL
 - EXISTING PILE
 - SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - PIERS
 - WATERWAY OBSTRUCTIONS
 - ENR
 - AMENDED ENR
 - STANDARD CAP
 - MODIFIED CAP
 - REQUIRED RMC
 - UTILITY CROSSING COVER
 - BACKFILL TO RESTORE GRADE
 - RAA NUMBER (REMEDIAL ACTION AREA)
 - PH2 RAL EXCEEDANCE AREA (9/30/25)
 - RAL EXCEEDANCE AREA NUMBER



- NOTES:
1. HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 2. VERTICAL DATUM: MLLW

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".

ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.

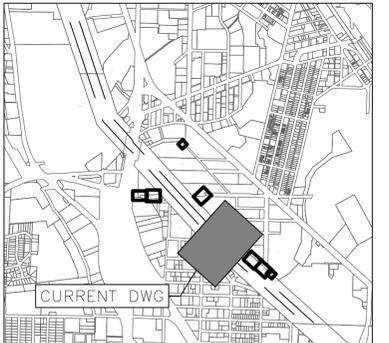
30% SUBMITTAL (NOT FOR CONSTRUCTION)

MATERIAL PLACEMENT PLAN (2 OF 7)

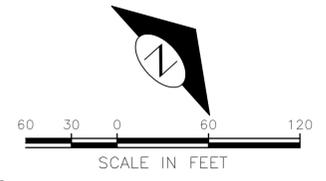
	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED HS CHECKED RD	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED		JOB # PC CO	PHASED-ENGINEERING DESIGN LOWER DUWAMISH MIDDLE REACH C-302
	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	DRAWN JR/TG CHECKED KG	REVISED AS BUILT		ORDINANCE NO. PW NO. SCALE:	

VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

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- KEY MAP
SCALE: 1"=2000'
- LEGEND:
- MATCHLINE
 - +— USACE CHANNEL CENTERLINE
 - - - FEDERAL NAVIGATION CHANNEL
 - - - PROPERTY BOUNDARY
 - RM 1.7 RIVER MILE LABEL
 - LDW MIDDLE REACH BOUNDARY
 - EXISTING GRADE CONTOURS IN FEET MLLW (2' & 10' INTERVALS)
 - LDW24-SC1577 SAMPLE LOCATION
 - EXISTING OUTFALL
 - EXISTING PILE SHORELINE PILES (APPROXIMATE)
 - SHORELINE STRUCTURES (APPROXIMATE)
 - - - PIERS
 - WATERWAY OBSTRUCTIONS
 - ENR
 - AMENDED ENR
 - STANDARD CAP
 - MODIFIED CAP
 - REQUIRED RMC
 - UTILITY CROSSING COVER
 - BACKFILL TO RESTORE GRADE
 - 9C RAA NUMBER (REMEDIAL ACTION AREA)
 - 35 PH2 RAL EXCEEDANCE AREA (9/30/25)
 - RAL EXCEEDANCE AREA NUMBER



- NOTES:
1. HORIZONTAL DATUM: NAD83 (2011) WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 2. VERTICAL DATUM: MLLW

VAULT	SERIAL #	DATE	MARK	NATURE	MADE	CHK'D	REV'D

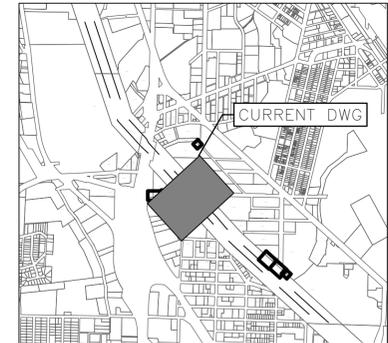
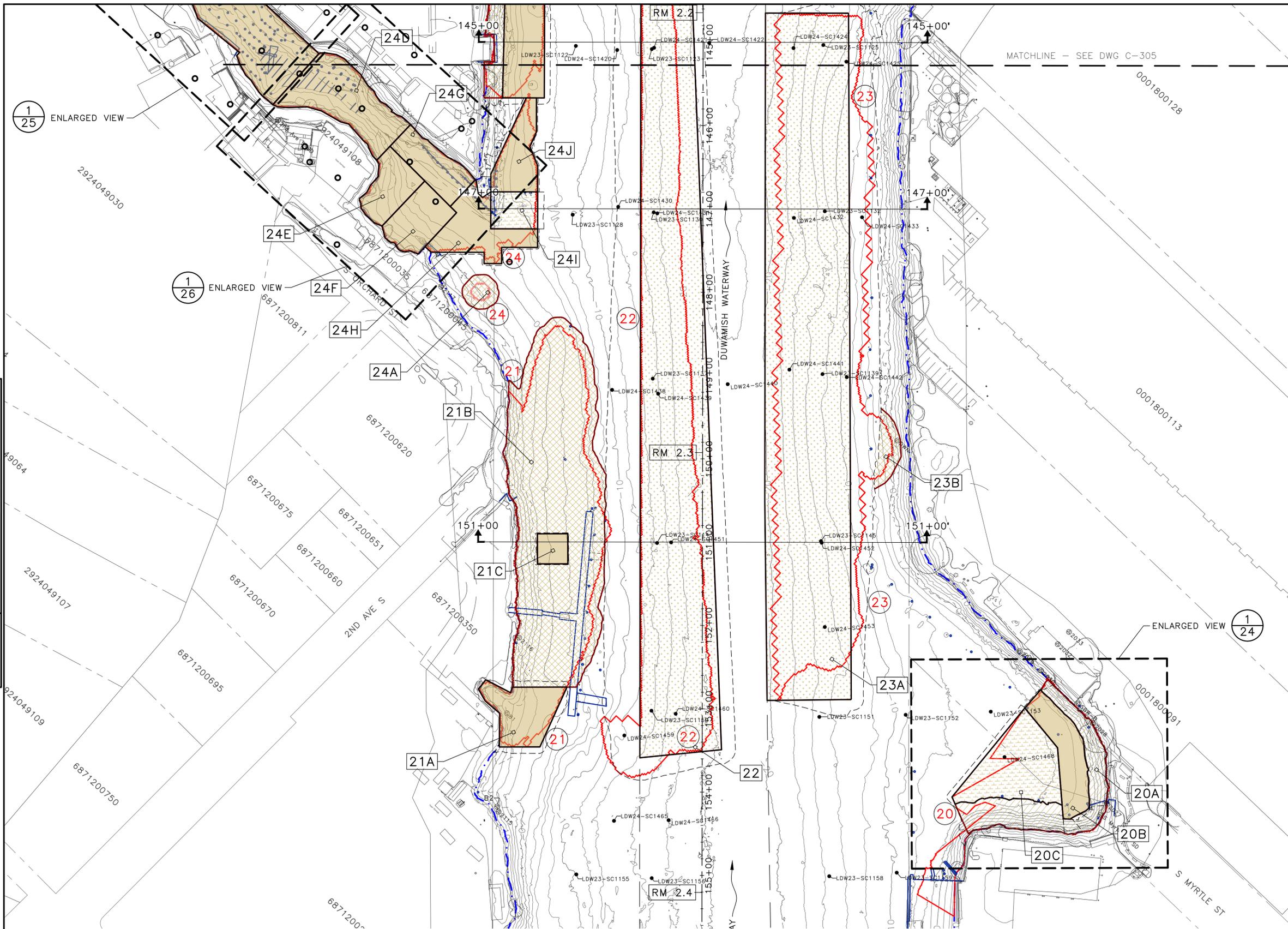
30% SUBMITTAL (NOT FOR CONSTRUCTION)

MATERIAL PLACEMENT PLAN (3 OF 7)

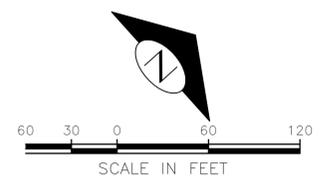
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	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	<small>ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.</small>	ORDINANCE NO. PW NO. SCALE:	SHEET 42 OF 69		

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 Printend: Oct-24-25 12:19pm

PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE".
 ONE INCH AT FULL SIZE, IF NOT ONE INCH SCALE ACCORDINGLY.



- LEGEND:
- MATCHLINE
 - USACE CHANNEL CENTERLINE
 - FEDERAL NAVIGATION CHANNEL
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- NOTES:
1. HORIZONTAL DATUM: NAD83 (2011)
WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
 2. VERTICAL DATUM: MLLW

30% SUBMITTAL (NOT FOR CONSTRUCTION)

MATERIAL PLACEMENT PLAN (4 OF 7)

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR

SEATTLE, WASHINGTON 20

BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE

DESIGNED HS SHARKEY
CHECKED RD GROSS

DRAWN JR/FG
CHECKED KG GROSS

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

INITIALS AND DATE

REVIEWED:
DES. CONST.
SDOT PROJ. MGR.

RECEIVED

REVISED AS BUILT

ORDINANCE NO. PW NO.

SCALE:

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB # PC
CO

VPI #

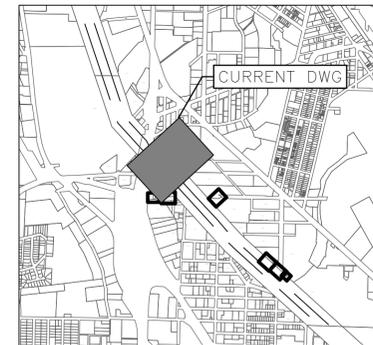
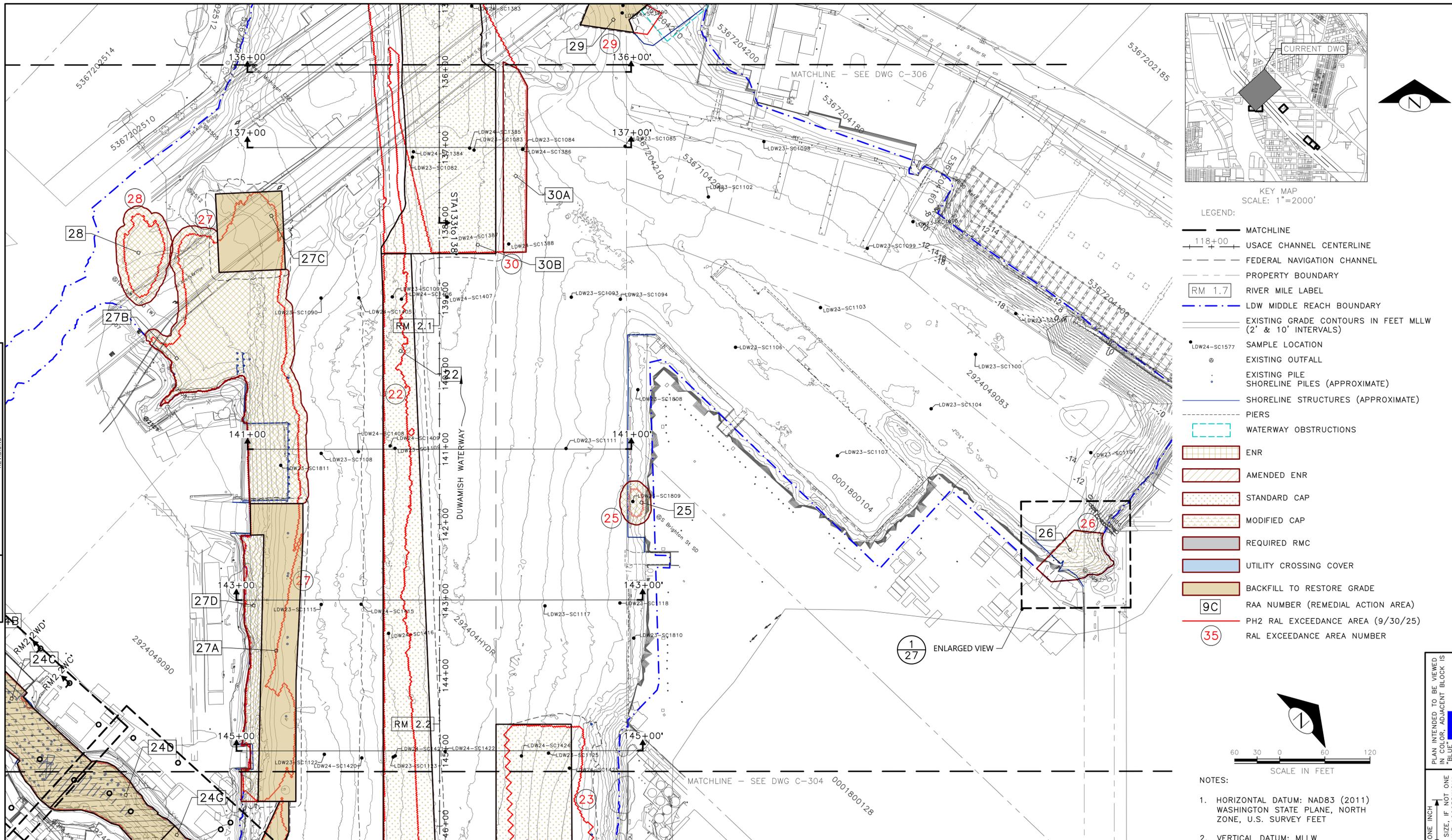
C-304

SHEET **43** OF **69**

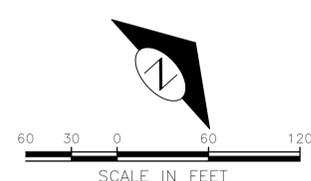
VAULT	SERIAL #	DATE	MARK	NATURE	MADE	CHK'D	REV'D

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PLAN INTENDED TO BE VIEWED
IN COLOR. ADJACENT BLOCK IS
"BLUE"
ONE INCH
↑
AT FULL SIZE. IF NOT ONE
INCH SCALE ACCORDINGLY



- KEY MAP
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- NOTES:
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30% SUBMITTAL (NOT FOR CONSTRUCTION)

MATERIAL PLACEMENT PLAN (5 OF 7)

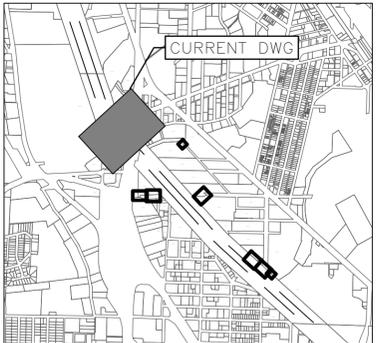
VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED HS CHECKED RD DRAWN JR/TG CHECKED KG	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT
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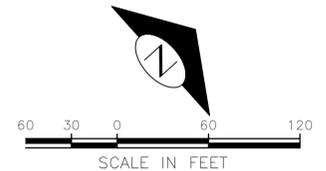
ORDINANCE NO. PW NO.
SCALE:

PHASED-ENGINEERING DESIGN
LOWER DUWAMISH MIDDLE REACH

JOB # PC
CO
VPI #
C-305
SHEET 44 OF 69



- KEY MAP
SCALE: 1"=2000'
- LEGEND:
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WASHINGTON STATE PLANE, NORTH ZONE, U.S. SURVEY FEET
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VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

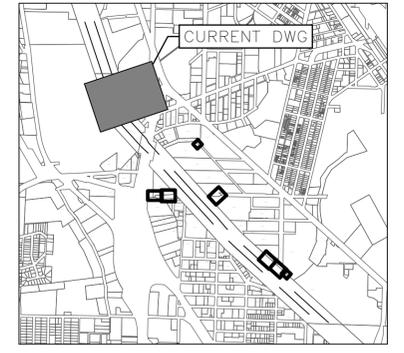
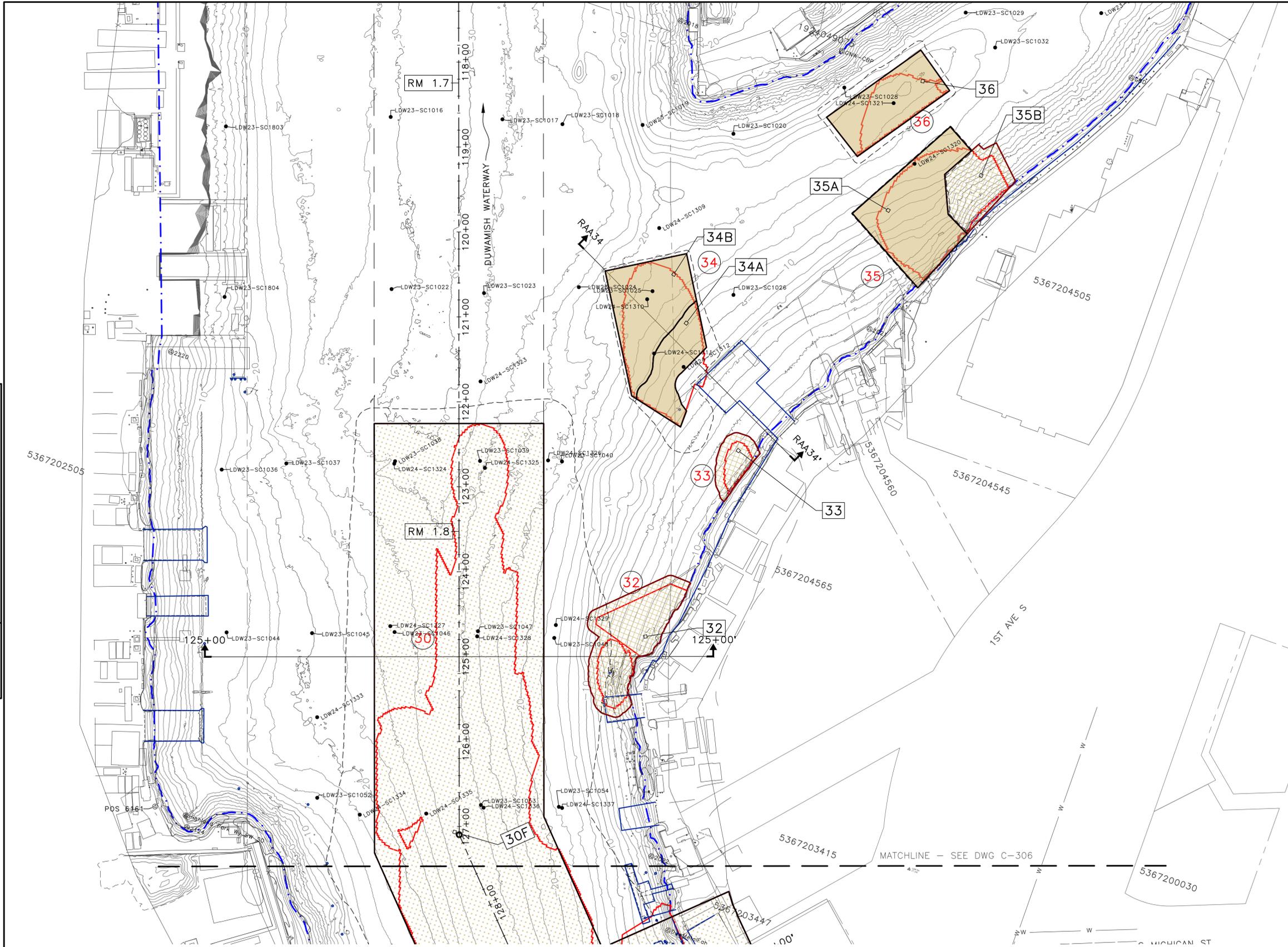
30% SUBMITTAL (NOT FOR CONSTRUCTION)

MATERIAL PLACEMENT PLAN (6 OF 7)

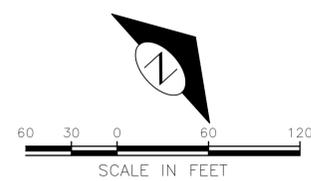
	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED HS CHECKED RD DRAWN JR/TG CHECKED KG	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		PHASED-ENGINEERING DESIGN LOWER DUWAMISH MIDDLE REACH
	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	<small>ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.</small>		ORDINANCE NO. PW NO. SCALE:	SHEET 45 OF 69

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PLAN INTENDED TO BE VIEWED IN COLOR. ADJACENT BLOCK IS "BLUE" INCH SCALE ACCORDINGLY.



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- NOTES:
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 - VERTICAL DATUM: MLLW

30% SUBMITTAL (NOT FOR CONSTRUCTION)

MATERIAL PLACEMENT PLAN (7 OF 7)

	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED HS CHECKED RD DRAWN JR/TG CHECKED KG	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		PHASED-ENGINEERING DESIGN LOWER DUWAMISH MIDDLE REACH	SHEET 46 OF 69
	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	<small>ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.</small>		ORDINANCE NO. PW NO. SCALE:	JOB # PC CO VPI # C-307	

VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D

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PLAN INTENDED TO BE VIEWED
 IN COLOR. ADJACENT BLOCK IS
 "BLUE"

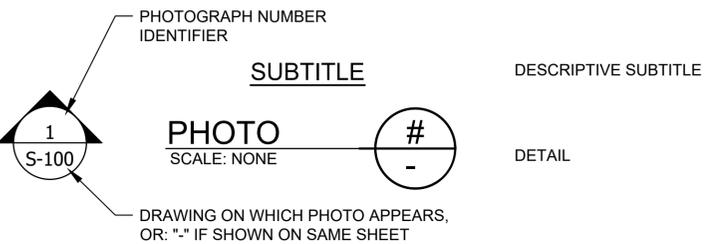
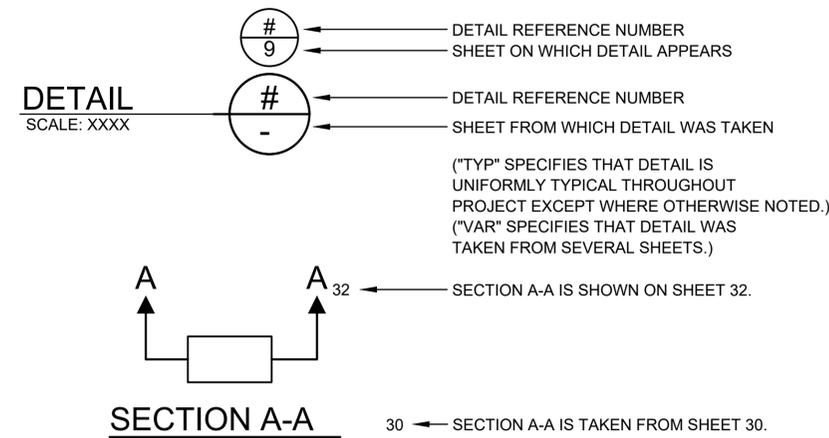
 ONE INCH
 AT FULL SIZE, IF NOT ONE
 INCH SCALE ACCORDINGLY

ABBREVIATIONS

#	NUMBER, POUNDS	MAX	MAXIMUM
&	AND	MHHW	MEAN HIGH HIGH WATER
@	AT	MIN	MINIMUM
AB	ANCHOR BOLT	MISC	MISCELLANEOUS
AP	ANGLE POINT	MLLW	MEAN LOW LOW WATER
APPROX	APPROXIMATE	MLW	MEAN LOW WATER
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MSL	MEAN SEA LEVEL
BLDG	BUILDING	N	NEUTRAL, NORTH, NORTHING
BOT	BOTTOM	N/A	NOT APPLICABLE
BTWN	BETWEEN	NF	NEAR FACE
		NO	NUMBER
		NTS	NOT TO SCALE
CDF	CONTROLLED DENSITY FILL	OC	ON CENTER, CENTERS
CIP	CAST-IN-PLACE	OD	OUTSIDE DIAMETER
CJ	CONSTRUCTION JOINT	OF	OUTSIDE FACE
CL	CENTER LINE	OH	OVERHEAD
CLR	CLEAR	OPNG	OPENING
CONC	CONCRETE	OPP	OPPOSITE
CONN	CONNECTION		
CONT	CONTINUOUS		
COORD	COORDINATE		
COS	CITY OF SEATTLE	PL	PROPERTY LINE OR PLATE
		PSE	PUGET SOUND ENERGY
		PSF	POUNDS PER SQUARE FOOT
		PSI	POUNDS PER SQUARE INCH
		PT	POINT, POINT OF TANGENCY, PRESSURE TREATED
		PVC	POLYVINYL CHLORIDE
DI	DUCTILE IRON	R, RAD	RADIUS, RISER
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
DICA	DRILLED IN CONCRETE ANCHOR	REBAR	REINFORCEMENT BAR
DIM	DIMENSION	REF	REFER TO / REFERENCE
DIP	DUCTILE IRON PIPE	REINF	REINFORCEMENT OR REINFORCING
DP	DEPTH, DEEP	REQD	REQUIRED
DWG	DRAWING	ROW, R/W	RIGHT-OF-WAY
E	EAST, EASTING	SCH	SCHEDULE
EA	EACH	SCL	SEATTLE CITY LIGHT
EF	EACH FACE	SECT	SECTION
EG	EXISTING GRADE	SF	SQUARE FOOT
EJ	EXPANSION JOINT	SHT	SHEET
EL	ELEVATION	SIM	SIMILAR
EMBD	EMBEDDED	SPCG	SPACING
EQ	EQUAL	SPEC(S)	SPECIFICATION(S)
ES	EACH SIDE	SPU	SEATTLE PUBLIC UTILITIES
EW	EACH WAY	SS	STAINLESS STEEL
EXIST	EXISTING	STA	STATION
EXP	EXPANSION	STD	STANDARD
		STL	STEEL
		STRUC	STRUCTURAL
		SUPT	SUPPORT
		SYM	SYMMETRICAL
FDN	FOUNDATION	TEMP	TEMPORARY
FF	FAR FACE OR FINISHED FLOOR	T&B	TOP AND BOTTOM
FG	FINISHED GRADE	TOC	TOP OF CONCRETE
FIN	FINISHED	TOF	TOP OF FOOTING
FT	FEET OR FOOT	TOS	TOP OF STEEL
FTG	FOOTING	TOW	TOP OF WALL
		TRANS	TRANSVERSE
		TYP	TYPICAL
GA	GAUGE, GAGE	UNO	UNLESS NOTED OTHERWISE
GALV	GALVANIZED	VERT	VERTICAL
HDPE	HIGH-DENSITY POLYETHYLENE	w/	WITH
HORIZ	HORIZONTAL	w/o	WITHOUT
HP	HIGH POINT	WP	WORK POINT
IBC	INTERNATIONAL BUILDING CODE		
ID	INSIDE DIAMETER		
IE	INVERT ELEVATION		
IF	INSIDE FACE		
IN	INCH		
INFO	INFORMATION		
JT	JOINT		
K	KIPS (1,000 POUNDS)		
KC	KING COUNTY		
KCDNR	KING COUNTY DEPARTMENT OF NATURAL RESOURCES		
	THOUSAND POUNDS		
KIP(S)	THOUSAND POUNDS		
KSF	KIPS PER SQUARE FOOT		
KSI	KIPS PER SQUARE INCH		
L	LENGTH OR ANGLE		
LB	POUND		
LF	LINEAR FEET		
LOC	LOCATION		
LONGIT	LONGITUDINAL		
LP	LOW POINT		
LVL	LEVEL		

LEGEND

DETAIL AND SECTION REFERENCING

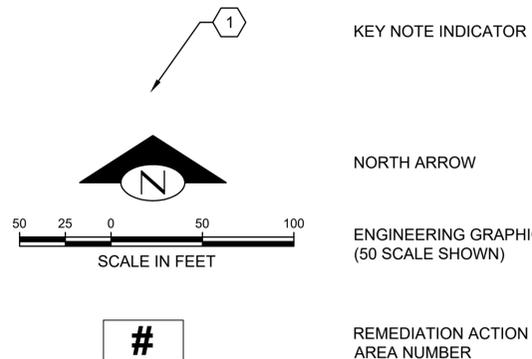


GENERAL NOTES

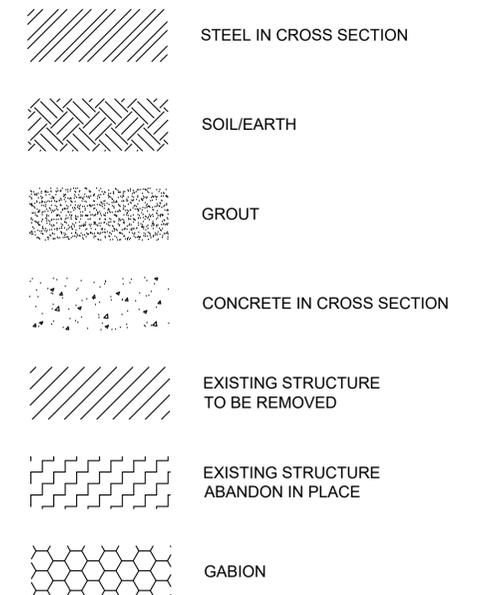
- FIRST NOTE
- SECOND NOTE

KEY NOTES

- FIRST NOTE
- SECOND NOTE



STRUCTURAL LEGEND



30% SUBMITTAL (NOT FOR CONSTRUCTION)



APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	xxx	REVIEWED:	
CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	xxx	RECEIVED	
CHECKED	xxx	REVISED AS BUILT	

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.

Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

JOB	PC
	CO
VPI #	
	S-001
SHEET	47 OF 69

STRUCTURAL GENERAL NOTES

CODES AND STANDARDS

APPLICABLE BUILDING NOTES AND CODES
 CITY OF SEATTLE BUILDING CODE, SBC 2021 EDITION
 INTERNATIONAL BUILDING CODE, IBC 2021 EDITION, EXCEPT WHERE OTHER CODES ARE MORE RESTRICTIVE.

OUTFALLS AND STRUCTURE PROTECTION

ALL OUTFALLS OR STRUCTURES NEAR DREDGING OR EXCAVATION SHALL BE PROTECTED PRIOR TO START OF WORK.

FOUNDATION PILING

CONSULT SOILS REPORT BY ANCHOR QEA, DATED XXXX FOR FOUNDATION DREDGING AND BACKFILL INFORMATION.

STRUCTURAL STEEL PILES

STEEL PIPE PILES - X" DIA. WITH X" MINIMUM WALL THICKNESS PER ASTM A252, GRADE 3, FY=50 KSI.

SHEET PILES - WALL 1

INTERLOCKING STEEL SHEET PILES SHALL BE NEW, CONFORMING TO ASTM A572, GRADE 50.
 MINIMUM WEB OR FLANGE THICKNESS = 0.50 INCHES
 MINIMUM ELASTIC SECTION MODULUS = 48.0 IN³ /FT

DOUBLE WALL SHEET PILE WALL SYSTEM - WALL 2

INTERLOCKING STEEL SHEET PILES SHALL BE NEW, CONFORMING TO ASTM A572, GRADE 50.
 MINIMUM WEB OR FLANGE THICKNESS = 0.50 INCHES
 MINIMUM ELASTIC SECTION MODULUS = 48.0 IN³ /FT

SHEET PILE INTERLOCKS SHALL BE WATERTIGHT TO THE PILE DEPTH INDICATED ON THE PLANS.

WATERSTOP:

- A) LIQUID SEAL - AKILA SEALING SYSTEM BY ARCELORMITTAL.
- B) REPAIR STRING - ULTRASEAL KM BY ADEKA.
- C) REPAIR CAULK - ULTRASEAL P-201 BY ADEKA.
- D) OR APPROVED EQUAL.

SUBMITTALS:

- 1. TYPE, SIZE AND MATERIAL PROPERTIES OF SHEET PILE.
- 2. WATERSTOP MANUFACTURER'S DATA SHEETS.
- 3. SHOP DRAWING SHOWING PILING PLAN AND WELDING DETAILS.
- 4. EQUIPMENT, MEANS AND METHODS OF PILE AND WATERPROOFING INSTALLATION AND REPAIR.

STRUCTURAL STEEL

PLATES AND BARS SHALL BE NEW AND CONFORM TO ASTM A572, GRADE 50.

WELDING

ALL WELDING SHALL CONFORM TO AWS D1.1 WELDING CODE. MINIMUM SIZE WELDS 3/8" CONTINUOUS FILLET. WELDING ELECTRODES SHALL BE 70XX SERIES CONFORMING TO ANSI/AWS D1.1 TABLE 3.1 AND ELECTRODE SPECIFICATION AWS A5. WELDING SHALL BE CONDUCTED BY WABO CERTIFIED WELDER.

PAINTING

STRUCTURAL STEEL SHALL BE COATED IN CONFORMANCE WITH SPECIFICATIONS.

CONCRETE

ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES ACI 315, LATEST EDITION. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318 BUILDING CODE, LATEST EDITION.

DESIGN STRENGTH

UNDERWATER CEMENT GROUT SHALL CONFORM TO ASTM C1107 AND CRD-C-621 F[']C=5000 PSI AT 28 DAYS.

REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60.

MISCELLANEOUS

SUBMIT ALL REQUIRED SHOP DRAWINGS AND RECEIVE THEIR SATISFACTORY REVIEW FROM THE PROJECT REPRESENTATIVE PRIOR TO FABRICATION.

COORDINATE AND VERIFY ALL DIMENSIONS WITH GENERAL AND CIVIL DRAWINGS AND CONDITIONS AT THE PROJECT SITE PRIOR TO STARTING WORK, AND NOTIFY THE PROJECT REPRESENTATIVE IMMEDIATELY OF ANY DISCREPANCIES.

BACKGROUND AND EXISTING STRUCTURES ON THESE DRAWINGS INDICATE THE LATEST INFORMATION AVAILABLE. CONTRACTOR SHALL LOCATE AND POTHOLE EXISTING UTILITIES ALONG THE WALL ALIGNMENTS PRIOR TO DRIVING SHEET PILES.

PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE AND ADJACENT STRUCTURES, DURING ALL PHASES OF CONSTRUCTION. REFER TO PROJECT SPECIFICATIONS FOR INFORMATION NOT CONTAINED IN THESE GENERAL NOTES.

	REVD
	CHKD
	MADE
	NATURE
	REVISIONS
	MARK
	DATE
	VAULT SERIAL #

30% SUBMITTAL (NOT FOR CONSTRUCTION)

STRUCTURAL GENERAL NOTES



APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR	INITIALS AND DATE	INITIALS AND DATE
DESIGNED xxx CHECKED xxx	DRAWN xxx CHECKED xxx	REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT
SEATTLE, WASHINGTON 20	BY:	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.
FAS PURCHASING AND CONTRACTING DIRECTOR		

Seattle Public Utilities

ORDINANCE NO. PW NO.

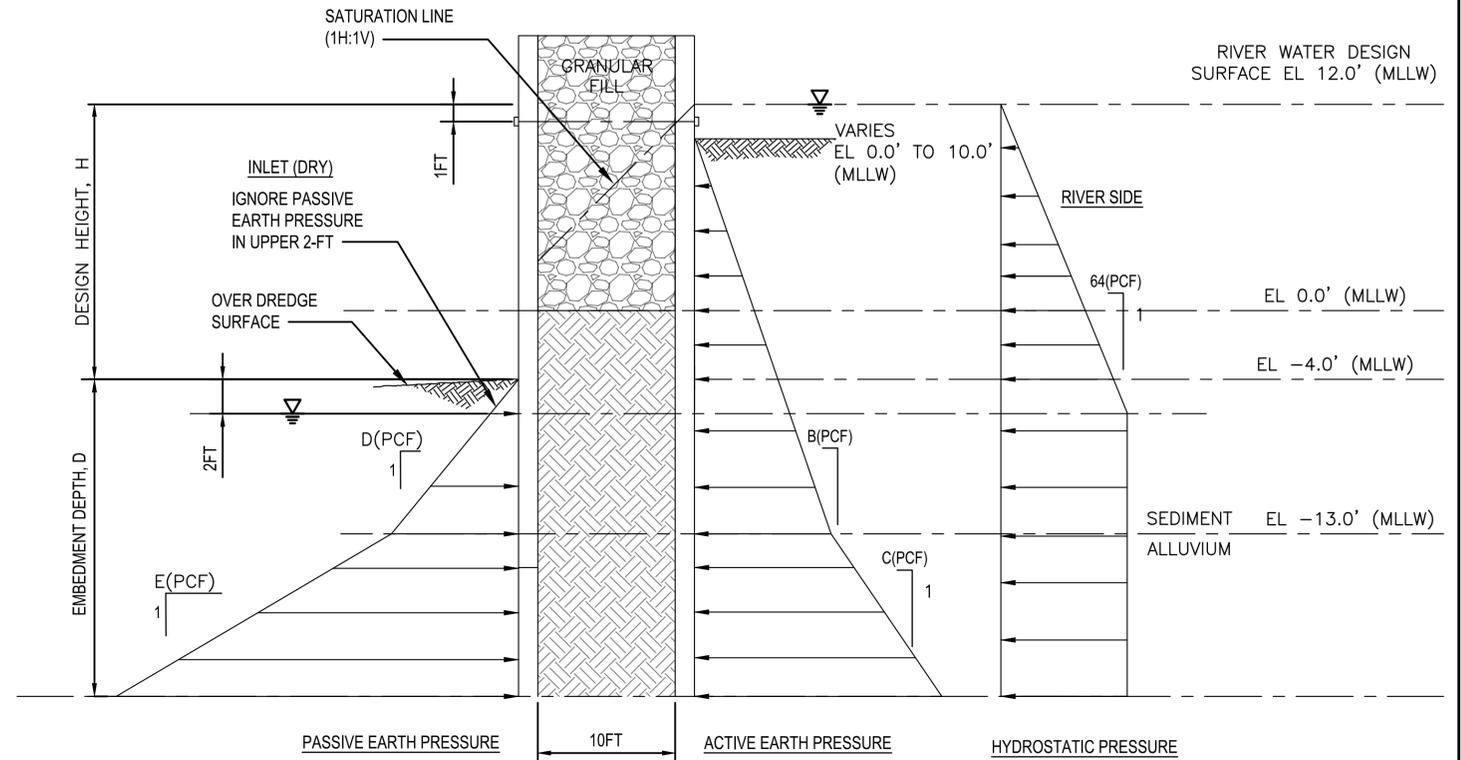
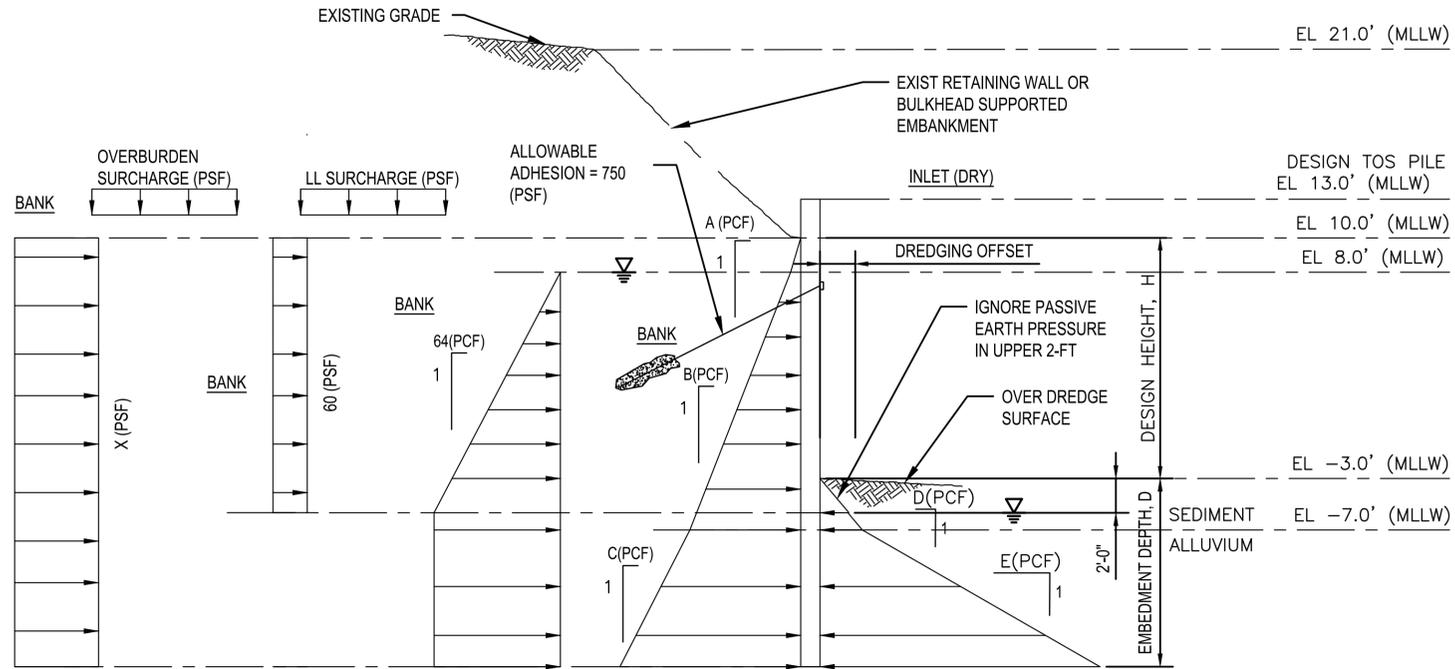
SCALE: AS NOTED

LOWER DUWAMISH
WATERWAY - 30% REMEDIAL
DESIGN

JOB	PC CO
VPI #	
S-002	
SHEET	48 OF 69

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 assem Oct-21-25 6:44pm

EARTH PRESSURE DIAGRAM



NOTES:

1. YIELDING WALLS ARE THOSE WALLS THAT WILL DEFORM AT LEAST 0.001 TIMES THE HEIGHT OF THE WALL. YIELD WALLS USE ACTIVE AND PASSIVE EARTH PRESSURE COEFFICIENTS.
2. NON-YIELDING WALLS USE AT REST EARTH PRESSURE COEFFICIENTS.
3. PASSIVE PRESSURES ARE ULTIMATE VALUES AND DO NOT INCLUDE A FACTOR OF SAFETY. WE RECOMMEND APPLYING A FACTOR OF SAFETY OF AT LEAST 1.25 WHEN COMPUTING STATIC PASSIVE PRESSURES.
4. IGNORE THE CONTRIBUTION OF THE UPPER 2 FEET OF SOIL AT THE BASE OF THE WALL WHEN COMPUTING PASSIVE PRESSURES.
5. PASSIVE PRESSURE ACTS OVER 3 PILE DIAMETERS.

COEFFICIENTS

VARIABLE	UNIT	YIELDING WALLS	NON-YIELDING WALLS
X	PSF	407	627
A	PSF	38	55
B	PCF	14	20
C	PCF	19	29
D	PCF	95	
E	PCF	198	

PASSIVE EARTH PRESSURE REDUCTION FACTORS

OFFSET DISTANCE	REDUCTION FACTOR			
	3H:1V	2.5H:1V	2H:1V	1.5H:1V
0	0.92	0.77	0.61	0.46
2	1.00	0.66	0.70	0.54
4	1.00	0.76	0.78	0.62
6	1.00	1.00	0.86	0.71
8	1.00	1.00	0.94	0.79

CANTILEVERED OR ONE ROW TIE-BACK BULKHEAD

COEFFICIENTS

VARIABLE	UNIT	YIELDING WALLS	NON-YIELDING WALLS
B	PCF	14	20
C	PCF	19	29
D	PCF	95	
E	PCF	198	

PASSIVE EARTH PRESSURE REDUCTION FACTORS

OFFSET DISTANCE	REDUCTION FACTOR			
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6	1.00	1.00	0.86	0.71
8	1.00	1.00	0.94	0.79

TEMPORARY COFFERDAM

30% SUBMITTAL (NOT FOR CONSTRUCTION)

PRESSURE DIAGRAM

SCALE: NONE

EARTH PRESSURE DIAGRAM



APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	xxx	REVIEWED:	
CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	xxx	RECEIVED	
CHECKED	xxx	REVISED AS BUILT	



LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

PC	CO
VPI #	
S-003	
SHEET	49 OF 69

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asem Oct-21-25 6:44pm

VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE BY	CHKD	REVD

GENERAL NOTES

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- EXISTING STRUCTURES THAT HAVE A CONDITION ASSESSMENT REPORT ARE IDENTIFIED AND SHOWN USING HEAVY LINE WEIGHT.

KEY NOTES

- FOR DREDGING OFFSET AND LIMITS, CUT SLOPE AND RESTORATION, SEE CIVIL DRAWINGS.
- DO NOT DAMAGE EXISTING BOAT RAMP.
- NO DRAWINGS OR DESIGN INFORMATION IS AVAILABLE FOR THE EXISTING STRUCTURES. ALL REFERENCED OFFSETS AND SETBACKS MUST BE MAINTAINED.



AERIAL VIEW

PHOTO
SCALE: NONE



RAMP

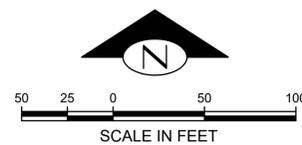
PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE



PARTIAL SITE PLAN
SCALE: 1"=50'



30% SUBMITTAL (NOT FOR CONSTRUCTION)

SDOT DUWAMISH RIVER BOAT RAMP PARTIAL PLAN

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	xxx	REVIEWED:	
CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	xxx	RECEIVED	
CHECKED	xxx	REVISED AS BUILT	
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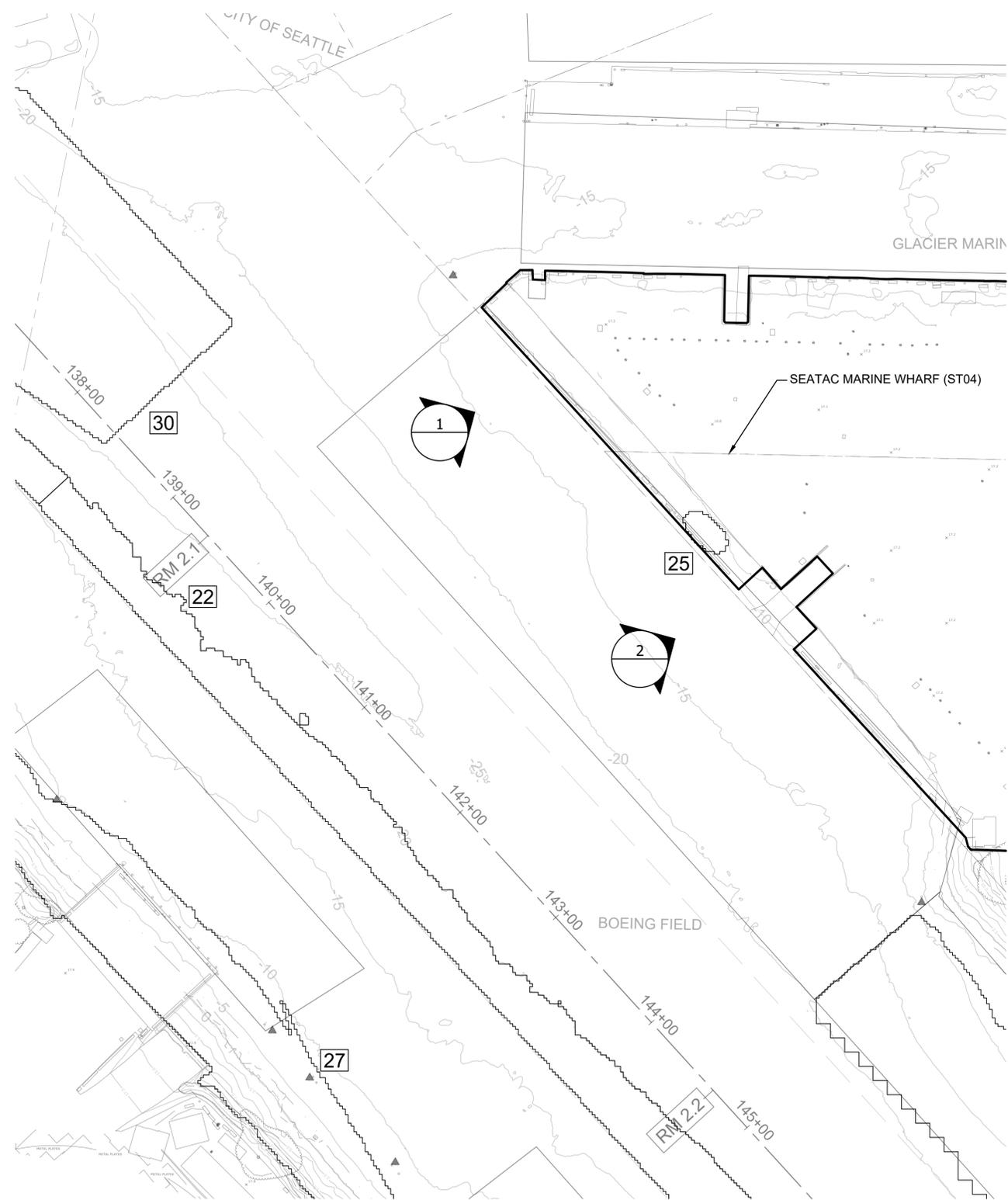
Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

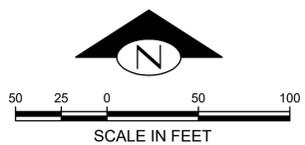
JOB	PC
CO	
VPI #	
S-110	
SHEET	53 OF 69

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asem Oct-21-25 6:45pm

VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHKD	REV'D



PARTIAL SITE PLAN
SCALE: 1"=50'

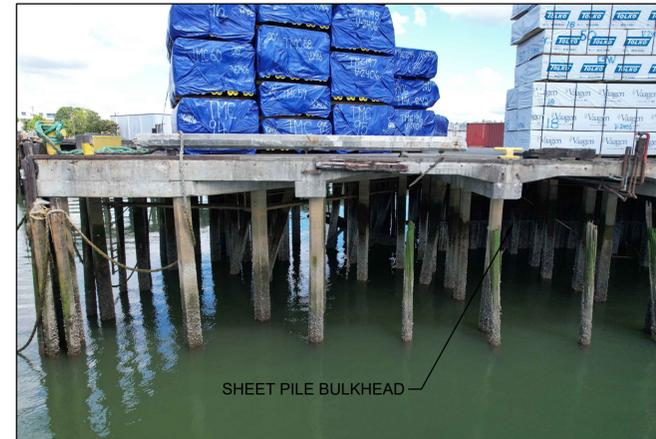


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KEY NOTES

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- DO NOT MOOR OR IMPOSE LATERAL LOADS TO EXISTING STRUCTURES.
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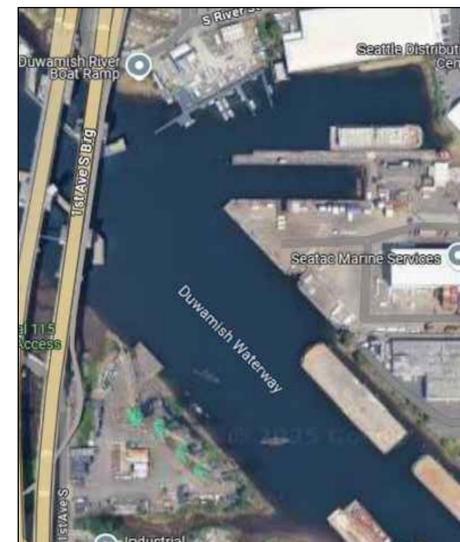
WHARF (DOWNSTREAM END)

PHOTO
SCALE: NONE



WHARF (UPSTREAM END)

PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE



BULKHEAD NORTH OF SLIP 3 (LOOKING SOUTH)

PHOTO
SCALE: NONE



30% SUBMITTAL (NOT FOR CONSTRUCTION)

SEATAC MARINE WHARF (SLIP 3 SOUTH) SIDE PARTIAL PLAN

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	xxx	REVIEWED:	
CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	xxx	RECEIVED	
CHECKED	xxx	REVISED AS BUILT	

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-22.3 OF THE PROJECT MANUAL.

Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

JOB #	PC
	CO
VPI #	
	S-115
SHEET	54 OF 69

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asem Oct-21-25 6:46pm

GENERAL NOTES

- EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED AND ARE INTENDED FOR REFERENCE ONLY. NEW GRADES FOR THIS CONTRACT, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED EXCEPT WHERE NOTED OTHERWISE ON THE DRAWING.
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- NO DRAWINGS OR DESIGN INFORMATION IS AVAILABLE FOR THE EXISTING STRUCTURES. ALL REFERENCED OFFSETS AND SETBACKS MUST BE MAINTAINED.
- REMOVE EXISTING DOLPHINS AND REPLACE WITH 36"x0.75"x90'-0" STEEL PIPE PILES.



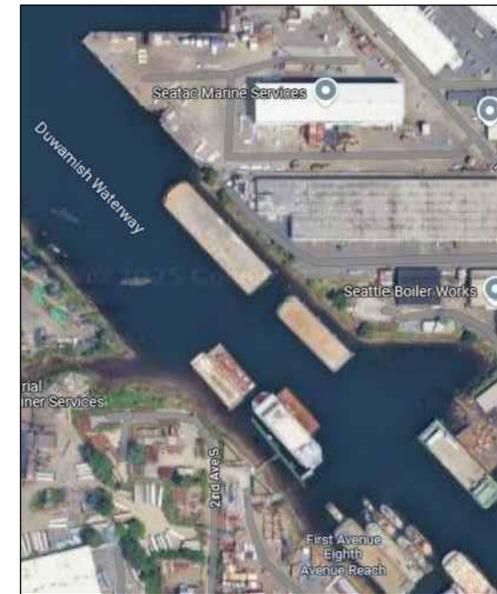
STEEL PILE

PHOTO
SCALE: NONE

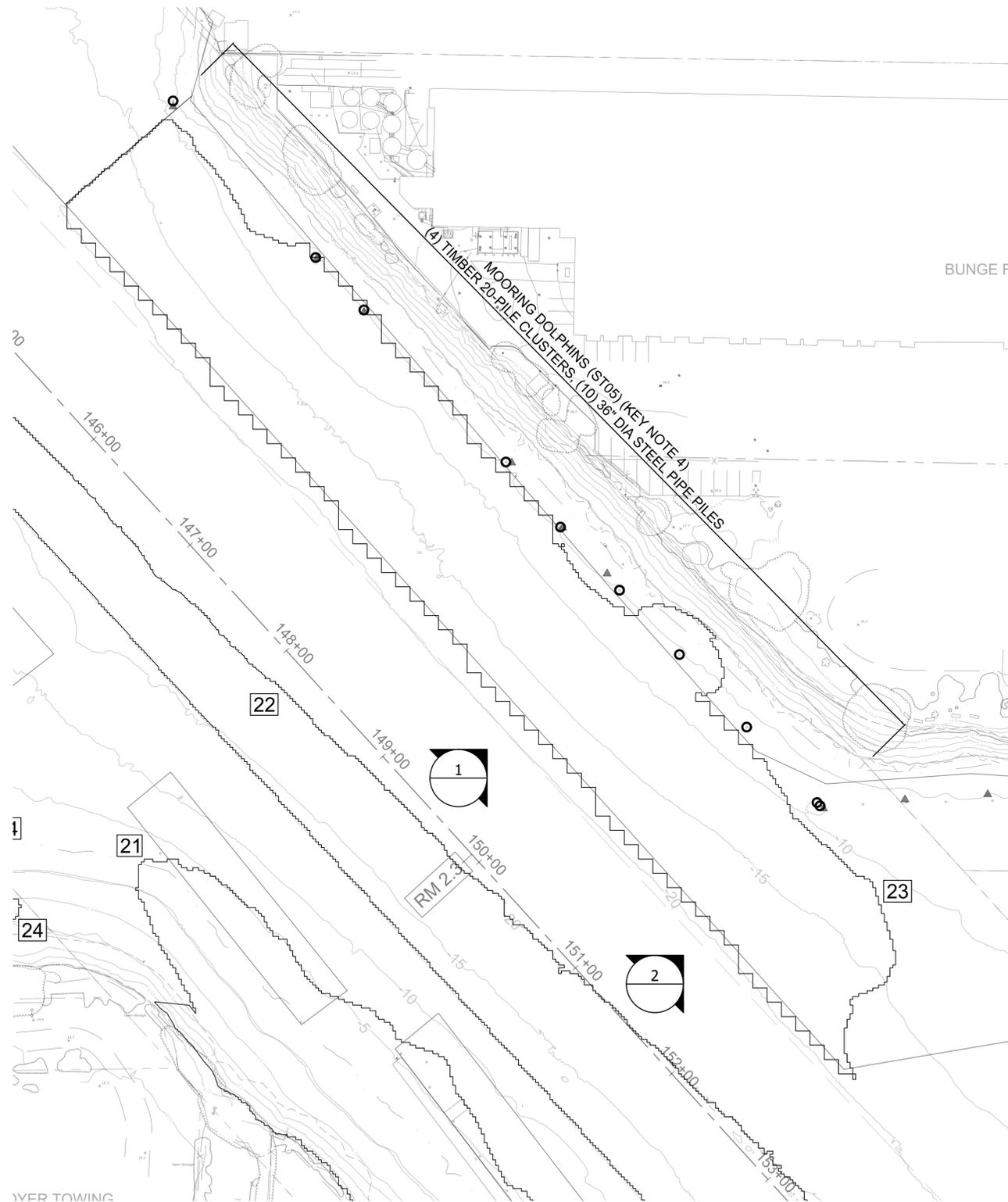


TIMBER DOLPHIN

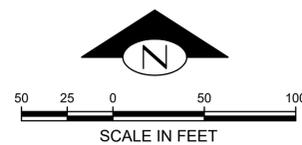
PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE



PARTIAL SITE PLAN
SCALE: 1"=50'



30% SUBMITTAL (NOT FOR CONSTRUCTION)

DAWN FOODS MOORING DOLPHINS (BRIDGE POINT) PARTIAL PLAN

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	xxx	REVIEWED:	
CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	xxx	RECEIVED	
CHECKED	xxx	REVISED AS BUILT	

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-2.3 OF THE PROJECT MANUAL.

Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

JOB	PC
	CO
VPI #	
S-120	
SHEET	55 OF 69

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VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHKD	REVD

GENERAL NOTES

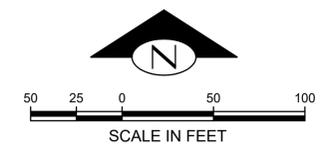
- EXISTING TOPOGRAPHY, STRUCTURES, AND SITE FEATURES ARE SHOWN SCREENED AND/OR LIGHT-LINED AND ARE INTENDED FOR REFERENCE ONLY. NEW GRADES FOR THIS CONTRACT, STRUCTURES, AND SITE FEATURES ARE SHOWN HEAVY-LINED EXCEPT WHERE NOTED OTHERWISE ON THE DRAWING.
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- REMOVE EXISTING DOLPHINS AND REPLACE WITH 36"x0.75"x90'-0" STEEL PIPE PILES.

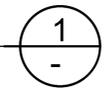


PARTIAL SITE PLAN
SCALE: 1"=50'



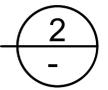
STEEL PILE

PHOTO
SCALE: NONE



TIMBER DOLPHIN

PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE

30% SUBMITTAL (NOT FOR CONSTRUCTION)

DAWN FOODS MOORING DOLPHINS (SHALMAR GROUP) PARTIAL PLAN

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	xxx	REVIEWED:	
CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	xxx	RECEIVED	
CHECKED	xxx	REVISED AS BUILT	

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-2.3 OF THE PROJECT MANUAL.

Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

JOB	PC
	CO
VPI #	
S-125	
SHEET	56 OF 69

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asem Oct-21-25 6:46pm

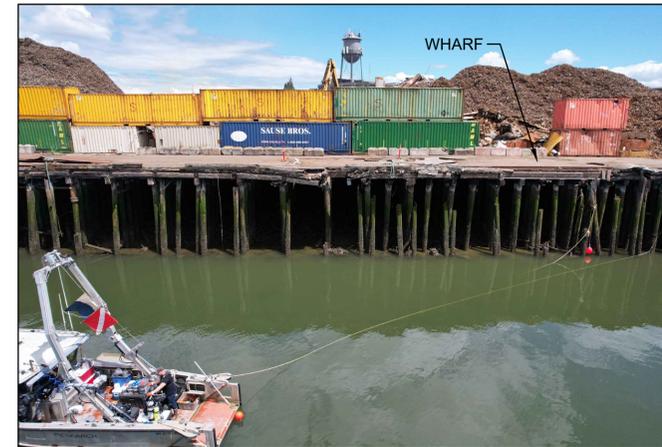
VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS

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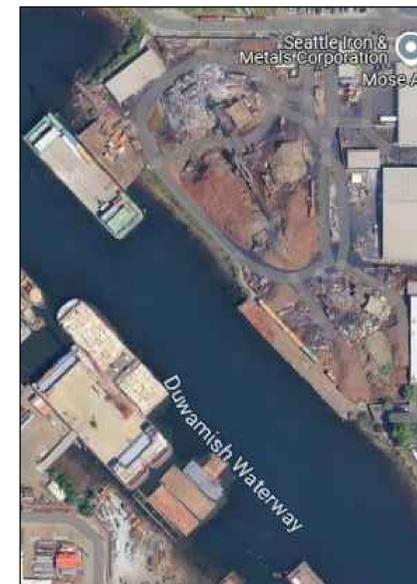
WHARF

PHOTO
SCALE: NONE

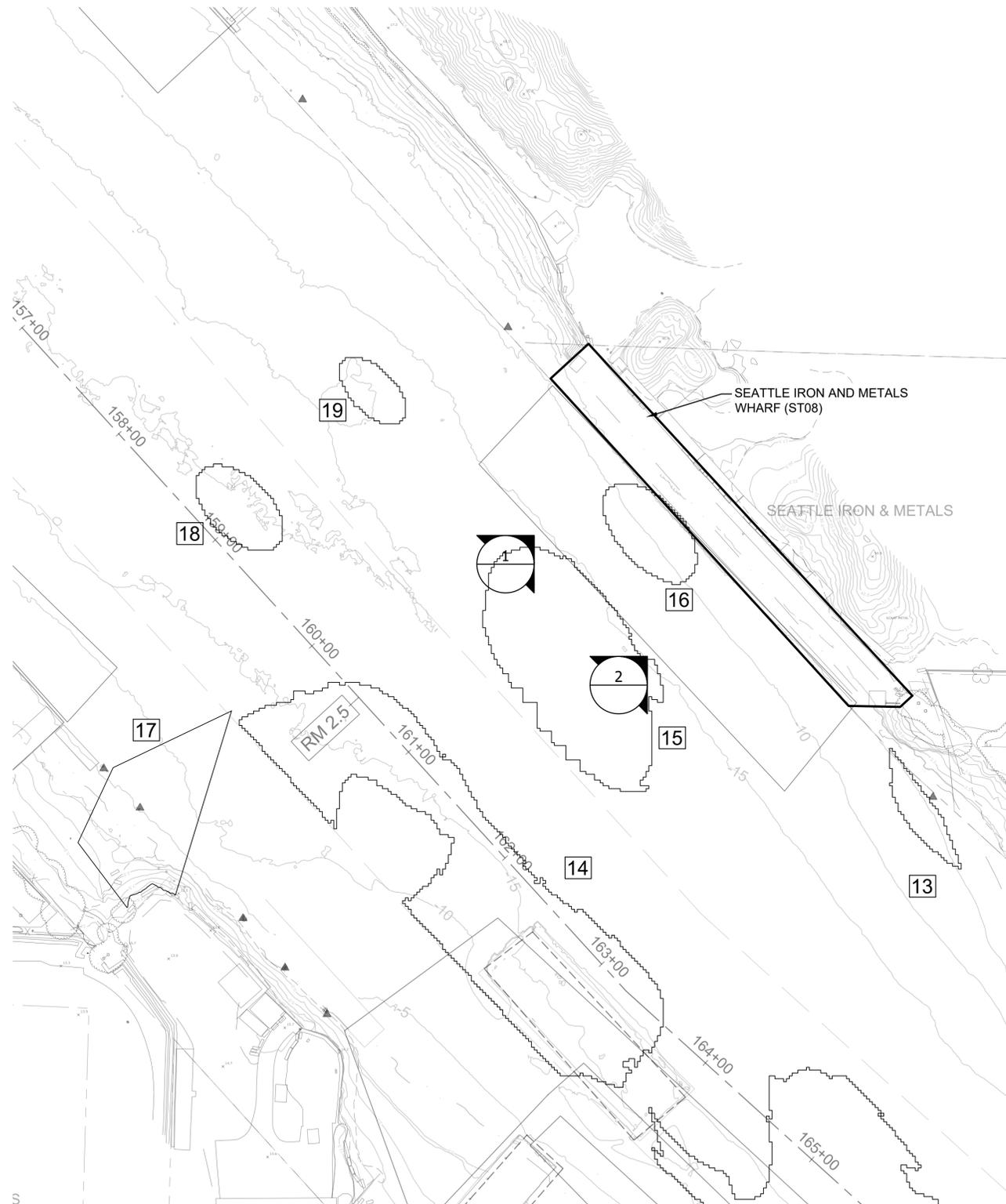


FENDERS (LOOKING UPSTREAM)

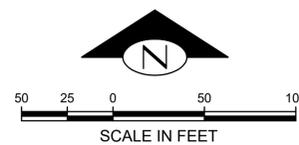
PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE



PARTIAL SITE PLAN
SCALE: 1"=50'



30% SUBMITTAL (NOT FOR CONSTRUCTION)

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	xxx	REVIEWED:	
CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	xxx	RECEIVED	
CHECKED	xxx	REVISED AS BUILT	

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-2.3 OF THE PROJECT MANUAL.

Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

JOB	PC
CO	
VPI #	
S-135	
SHEET	58 OF 69

VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHKD	REVD

GENERAL NOTES

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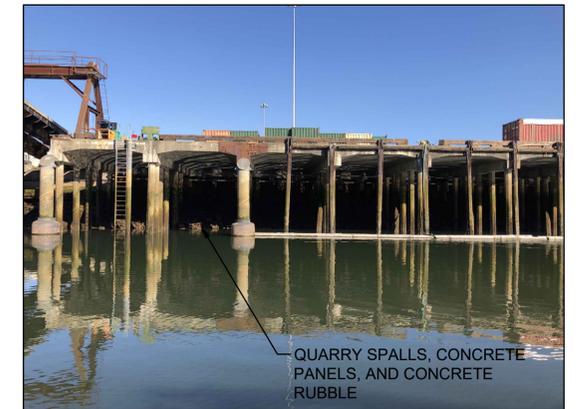
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WHARF SW-NE LEG

PHOTO
SCALE: NONE

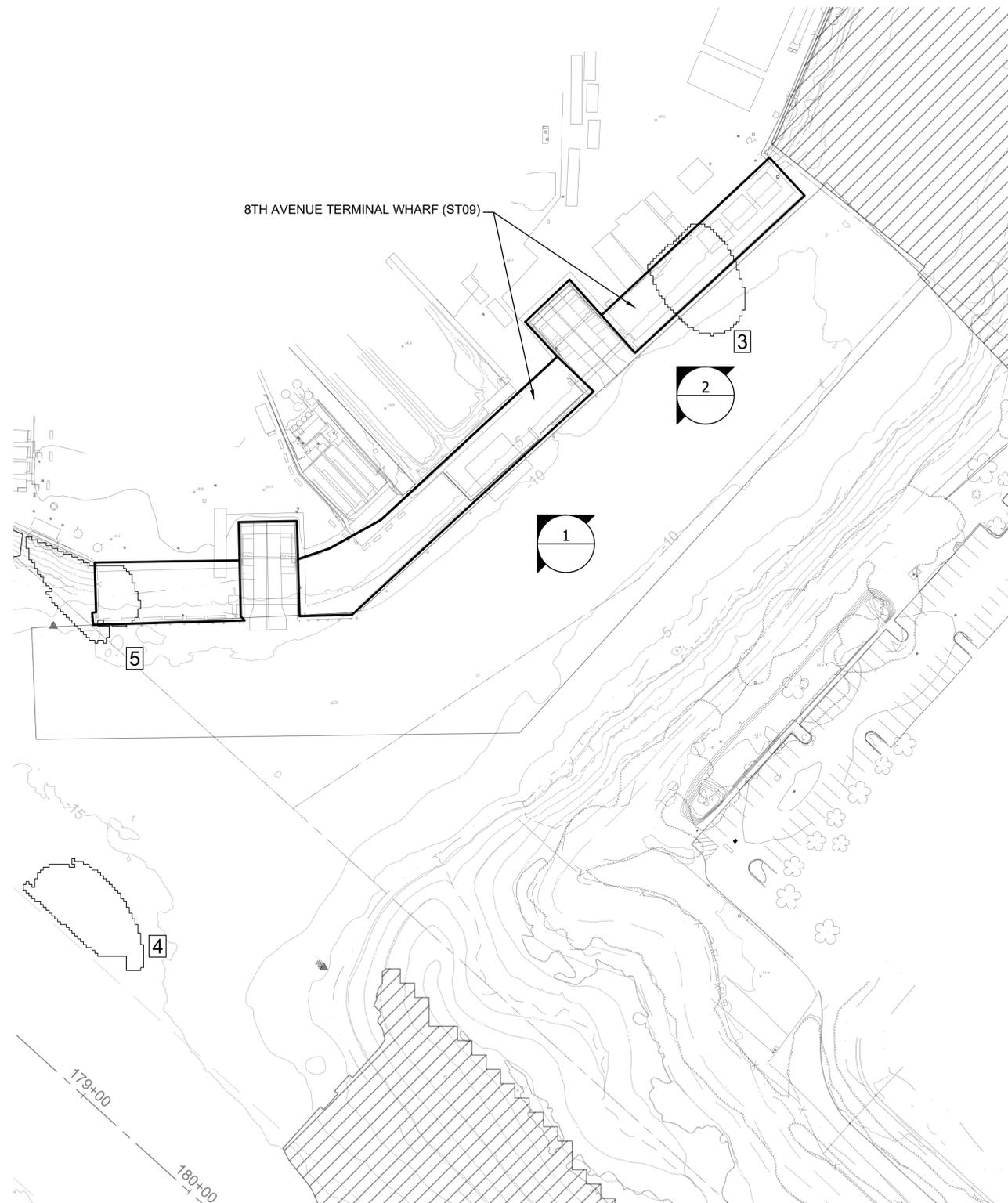


WHARF SW-NE LEG

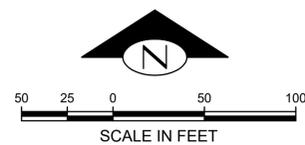
PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE



PARTIAL SITE PLAN
SCALE: 1"=50'



30% SUBMITTAL (NOT FOR CONSTRUCTION)

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	xxx	REVIEWED:	
CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	xxx	RECEIVED	
CHECKED	xxx	REVISED AS BUILT	

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Seattle Public Utilities
ORDINANCE NO. _____ PW NO. _____
SCALE: AS NOTED

8TH AVENUE TERMINAL WHARF PARTIAL PLAN

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

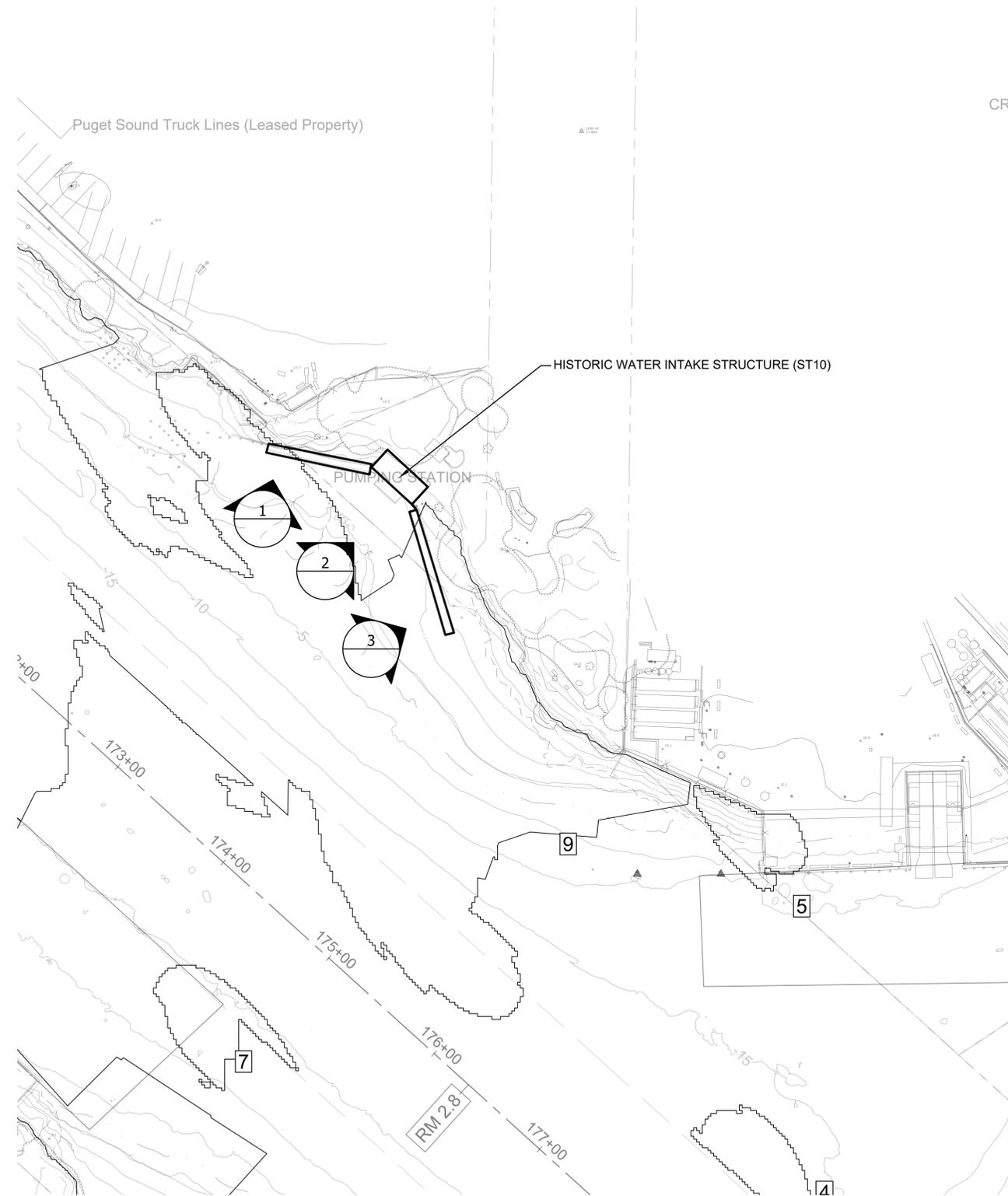
JOB	PC
CO	
VPI #	
S-140	
SHEET	59 OF 69

GENERAL NOTES

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PARTIAL SITE PLAN
SCALE: 1"=50'



WINGWALL (DOWNSTREAM END)

PHOTO
SCALE: NONE



INTAKE STRUCTURE

PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE

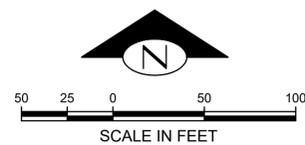


WINGWALL (UPSTREAM END)

PHOTO
SCALE: NONE



30% SUBMITTAL (NOT FOR CONSTRUCTION)



 14432 SE Eastgate Way, Suite 400 Bellevue Washington 98007 Phone: 425.519.6500	APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED xxx CHECKED xxx DRAWN xxx CHECKED xxx	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT	 ORDINANCE NO. PW NO. SCALE: AS NOTED	LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN	JOB NO. PC CO. VPI # S-145 SHEET 60 OF 69
	BY: FAS PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-2.3 OF THE PROJECT MANUAL.				

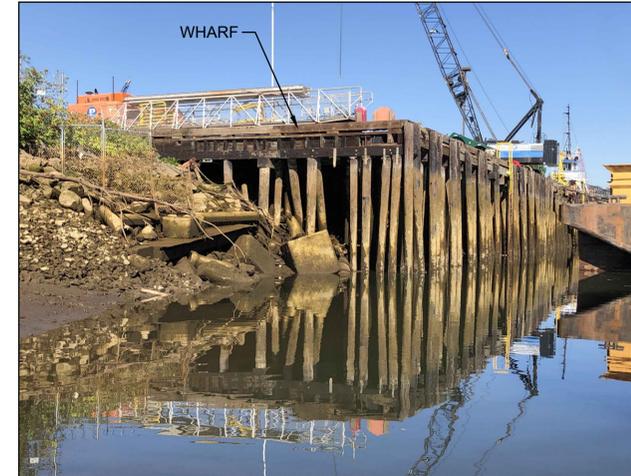
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GENERAL NOTES

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- EXISTING STRUCTURES THAT HAVE A CONDITION ASSESSMENT REPORT ARE IDENTIFIED AND SHOWN USING HEAVY LINE WEIGHT.

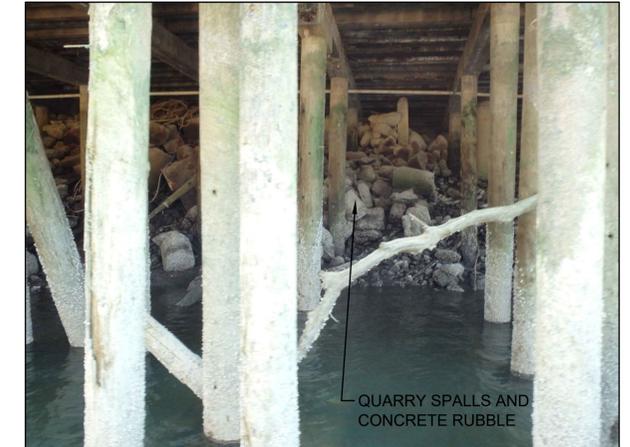
KEY NOTES

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WHARF (UPSTREAM END)

PHOTO
SCALE: NONE

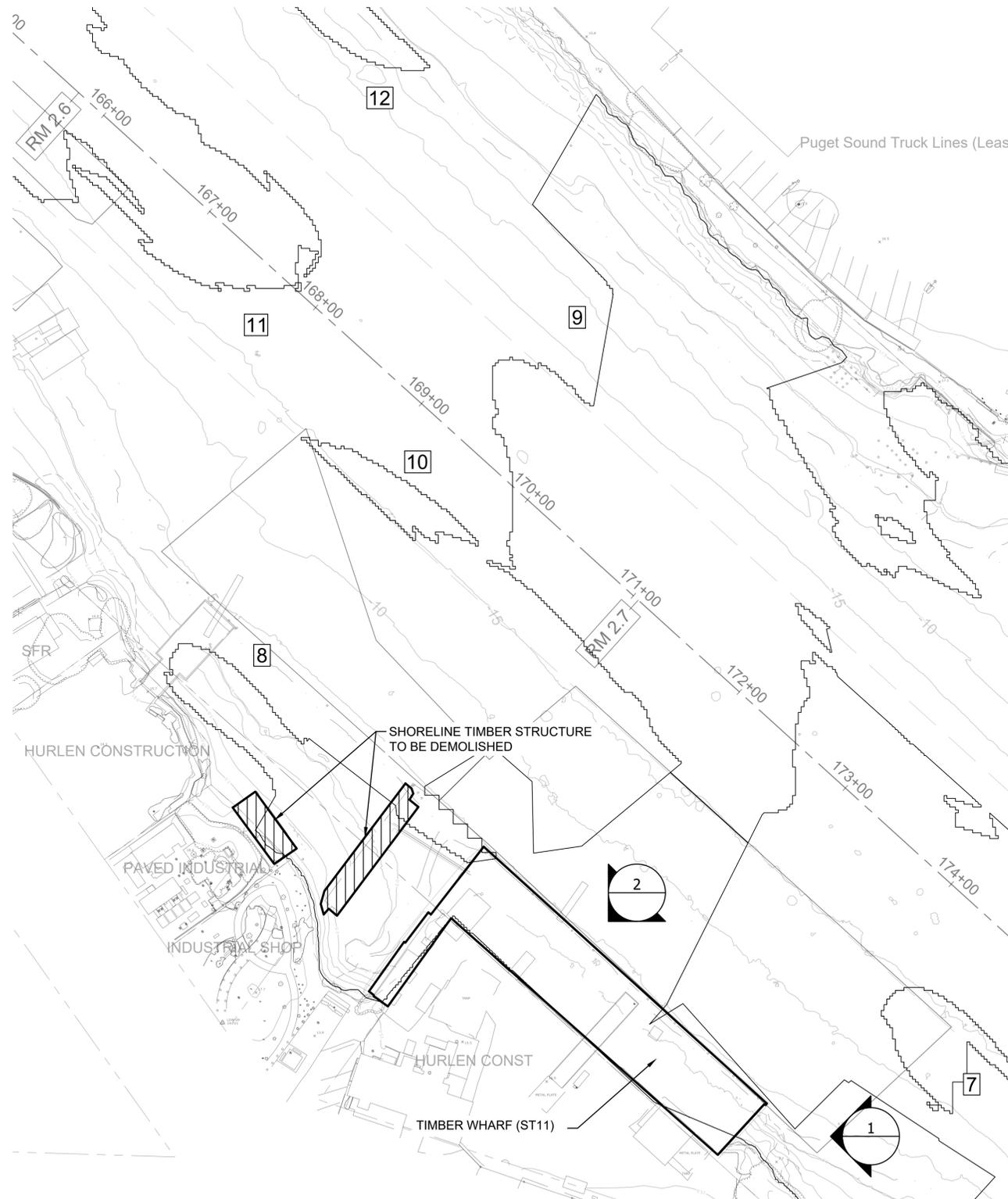


SUBSTRUCTURE

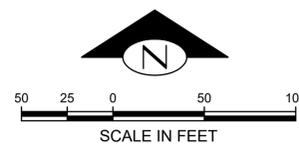
PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE



PARTIAL SITE PLAN
SCALE: 1"=50'



30% SUBMITTAL (NOT FOR CONSTRUCTION)

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	xxx	REVIEWED:	
CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	xxx	RECEIVED	
CHECKED	xxx	REVISED AS BUILT	
ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-2.3 OF THE PROJECT MANUAL.			

Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

JOB	PC
	CO
VPI #	
S-150	
SHEET	61 OF 69

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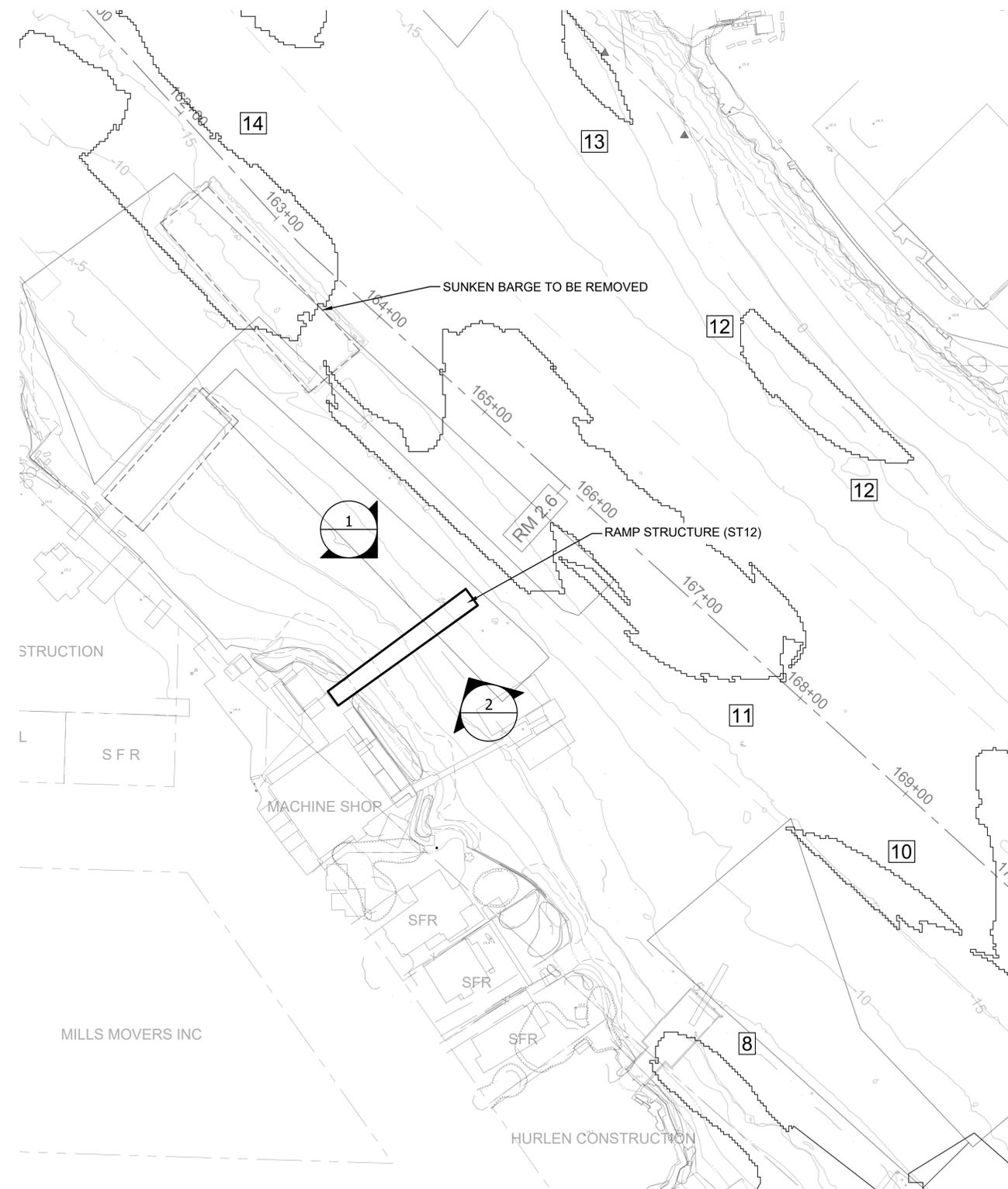
VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHKD	REVD

GENERAL NOTES

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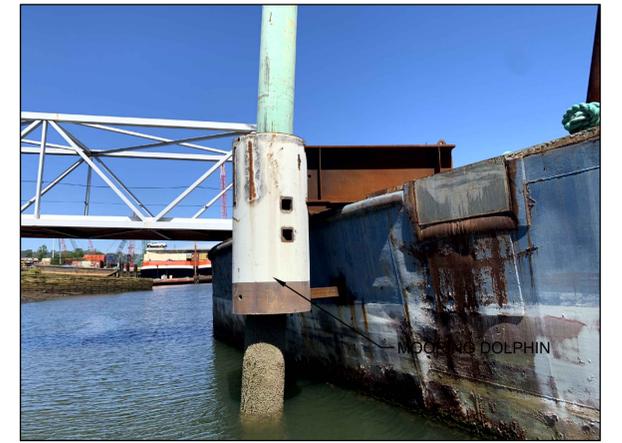


PARTIAL SITE PLAN
SCALE: 1"=50'



RAMP (LOOKING UPSTREAM)

PHOTO
SCALE: NONE



MOORING DOLPHIN (LOOKING DOWNSTREAM)

PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE

30% SUBMITTAL (NOT FOR CONSTRUCTION)

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20	INITIALS AND DATE DESIGNED xxx CHECKED xxx	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR.
BY:	DRAWN xxx CHECKED xxx	RECEIVED REVISED AS BUILT
FAS PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-2.3 OF THE PROJECT MANUAL.	

SEATTLE PILE AND MARINE WHARF (RAMP STRUCTURE) PARTIAL PLAN

Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

JOB	PC
CO	
VPI #	
S-155	
SHEET	62 OF 69

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VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHKD	REVD

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- NO DRAWINGS OR DESIGN INFORMATION IS AVAILABLE FOR THE EXISTING STRUCTURES. ALL REFERENCED OFFSETS AND SETBACKS MUST BE MAINTAINED.
- REMOVE EXISTING GUIDE PILES AND REPLACE WITH STEEL PIPE PILES OF SIMILAR DIAMETER AND LENGTH.



FLOATING STRUCTURE (DOWNSTREAM END)

PHOTO
SCALE: NONE

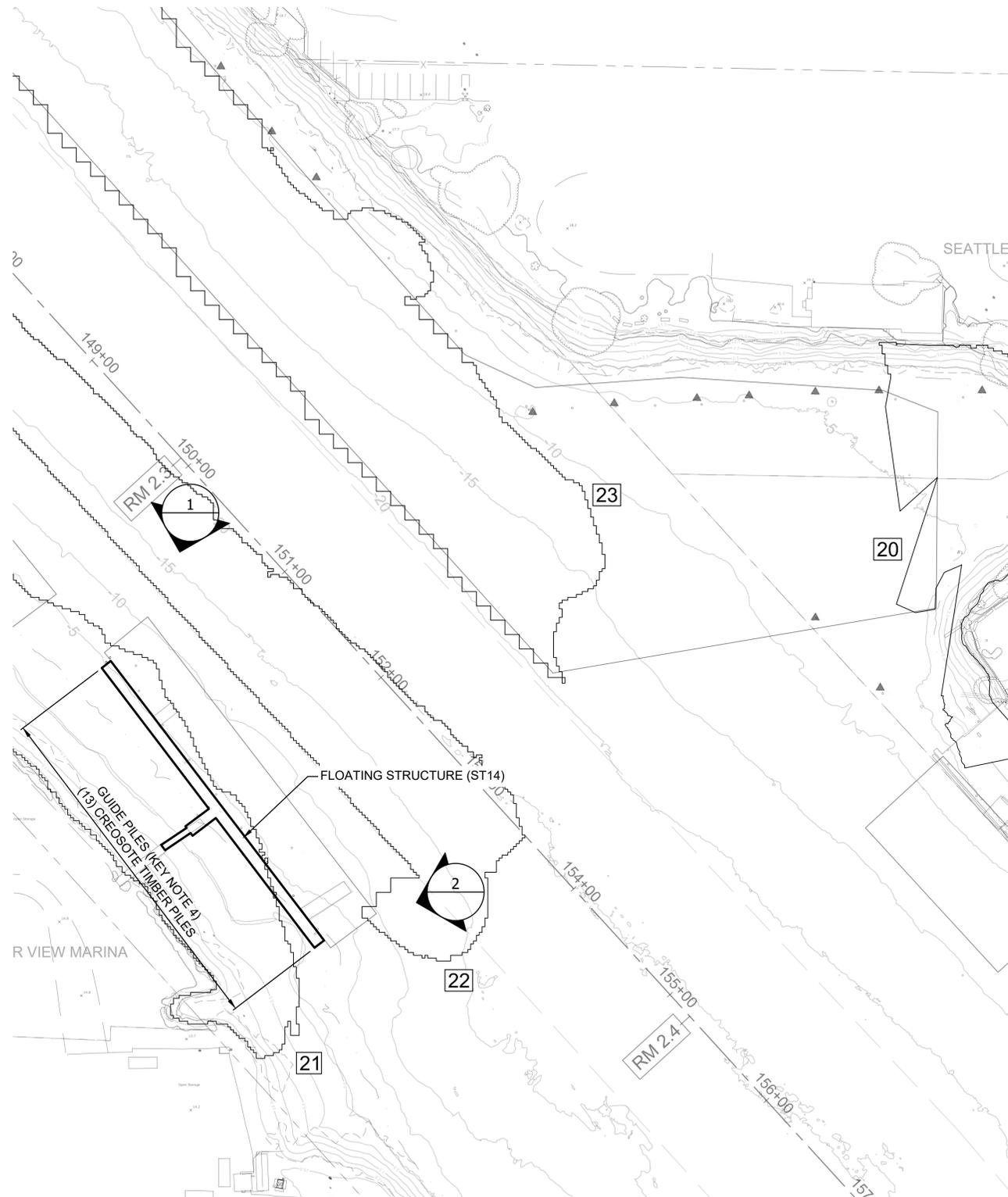


AERIAL VIEW

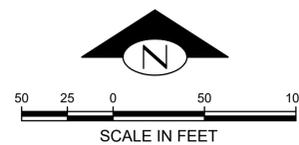
PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE



PARTIAL SITE PLAN
SCALE: 1"=50



30% SUBMITTAL (NOT FOR CONSTRUCTION)

BOYER ALASKA BARGE LINE NORTH LAY BERTH PARTIAL PLAN

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	xxx	REVIEWED:	
CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	xxx	RECEIVED	
CHECKED	xxx	REVISED AS BUILT	

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Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

JOB	PC
	CO
VPI #	
	S-165
SHEET	64 OF 69

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- NO DRAWINGS OR DESIGN INFORMATION IS AVAILABLE FOR THE EXISTING STRUCTURES. ALL REFERENCED OFFSETS AND SETBACKS MUST BE MAINTAINED.
- REMOVE EXISTING DOLPHINS AND REPLACE WITH 36"X0.75"X90'-0" STEEL PIPE PILES.

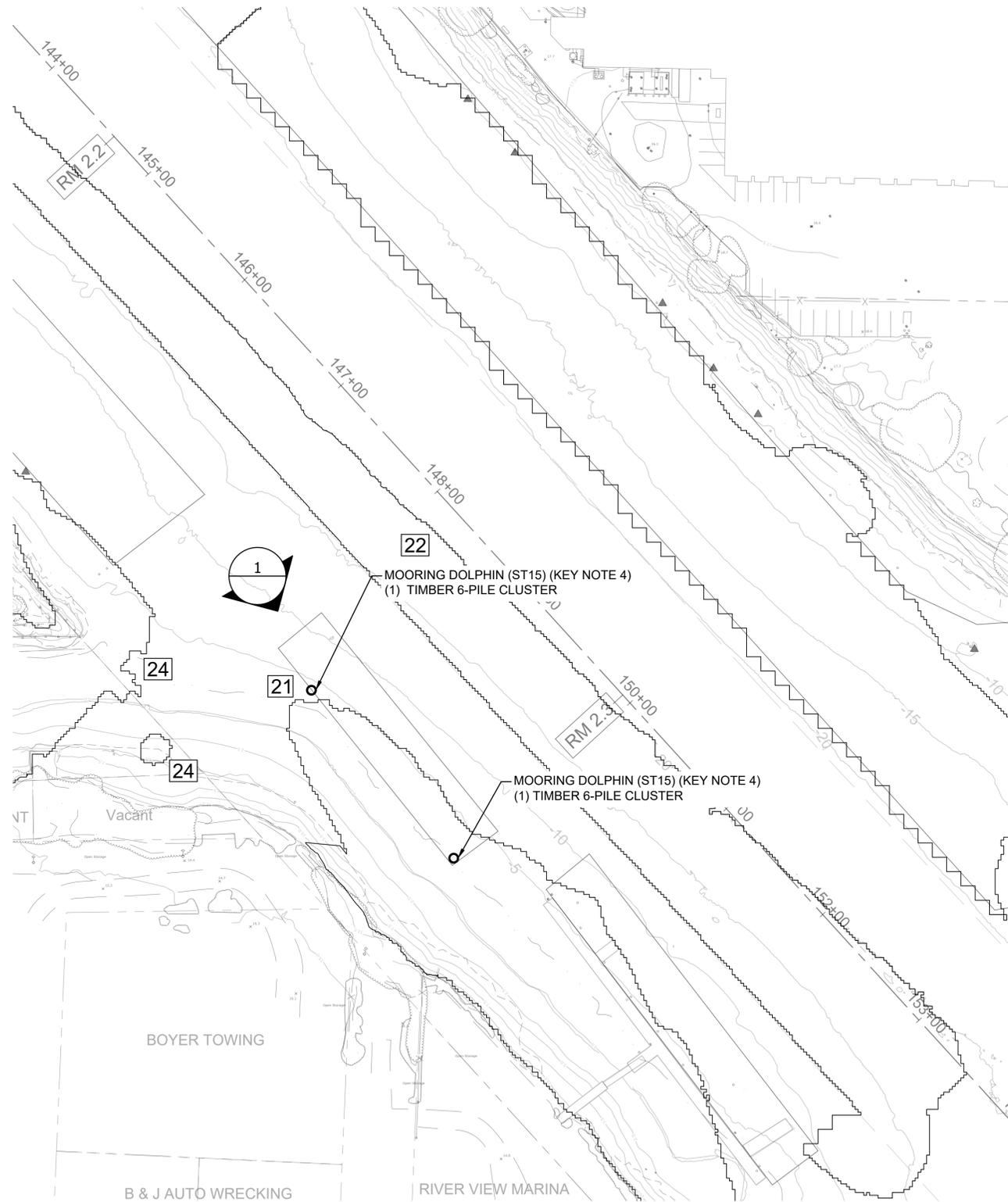


MOORING DOLPHINS (LOOKING UPSTREAM)

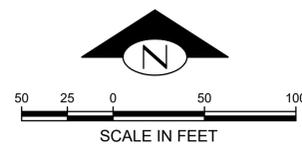
PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE



PARTIAL SITE PLAN
SCALE: 1"=50'



30% SUBMITTAL (NOT FOR CONSTRUCTION)

BOYER MOORING DOLPHINS PARTIAL PLAN

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
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CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
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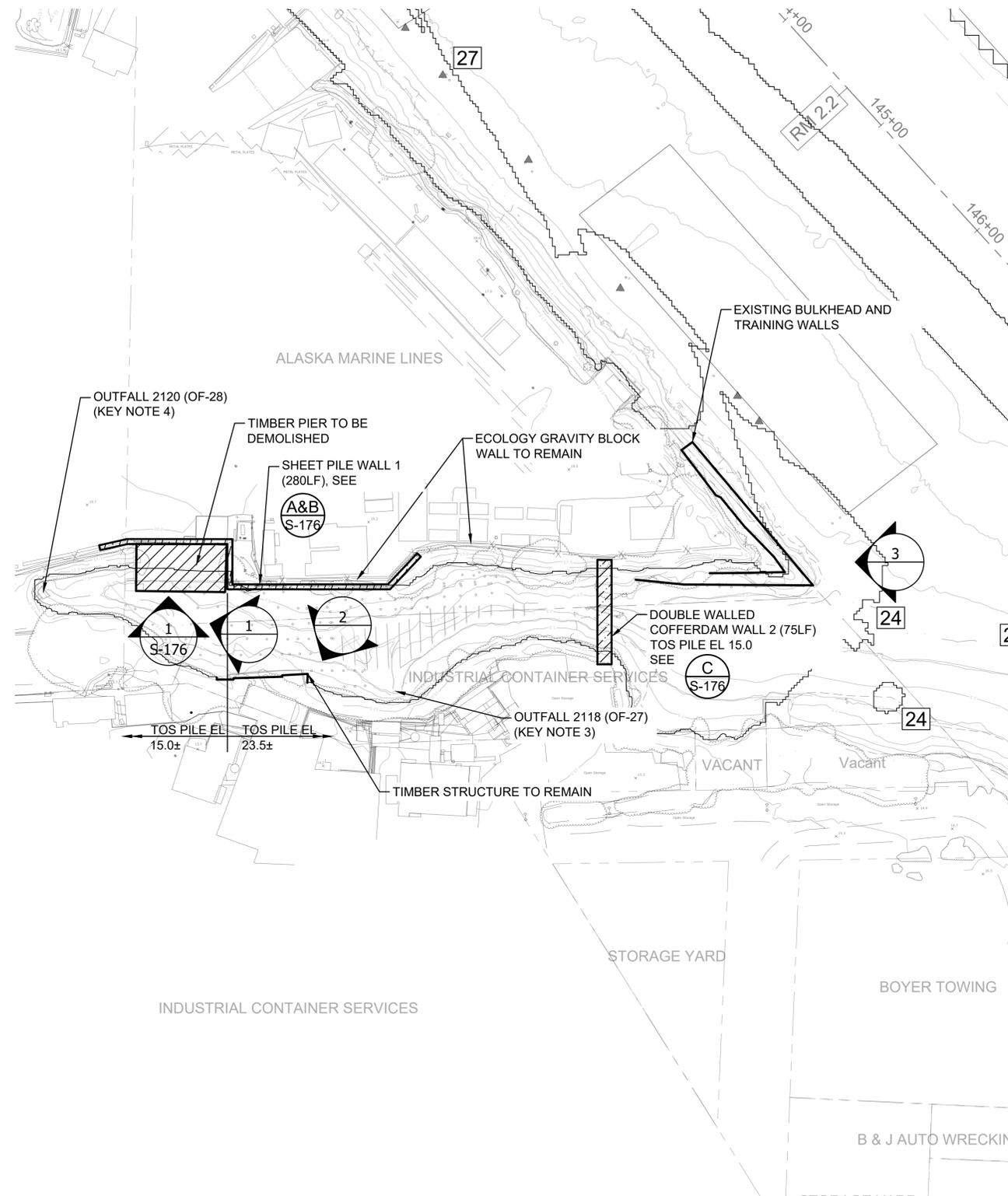
Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

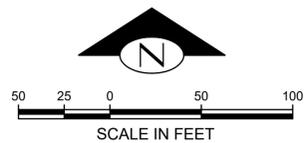
JOB	PC
CO	CO
VPI #	
S-170	
SHEET	65 OF 69

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VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHKD	REVD



PARTIAL SITE PLAN
SCALE: 1"=50'



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- DO NOT MOOR OR IMPOSE LATERAL LOADS TO EXISTING STRUCTURES.
- PRIOR TO STARTING WORK, DIVERT OUTFALL 2120 AND OUTFALL 2158.



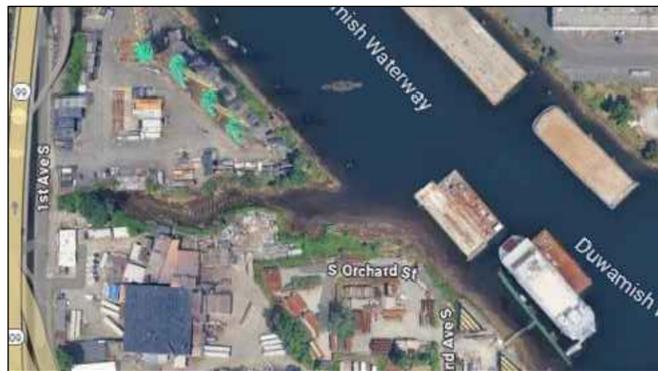
TIMBER PIER

PHOTO
SCALE: NONE



BUILDING

PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE

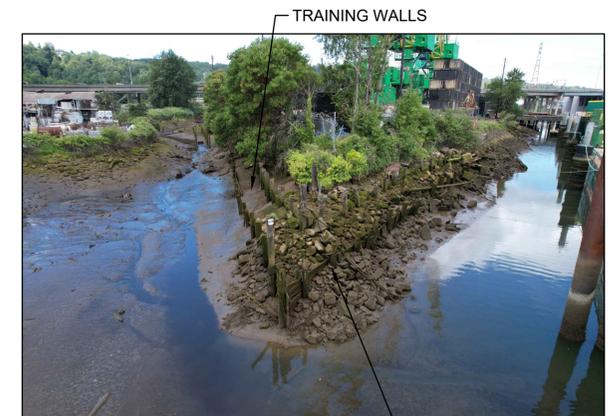


PHOTO
SCALE: NONE



30% SUBMITTAL (NOT FOR CONSTRUCTION)

INLET AT RM 2.2W PARTIAL PLAN

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	xxx	REVIEWED:	
CHECKED	xxx	DES.	CONST.
		SDOT	PROJ. MGR.
DRAWN	xxx	RECEIVED	
CHECKED	xxx	REVISED AS BUILT	
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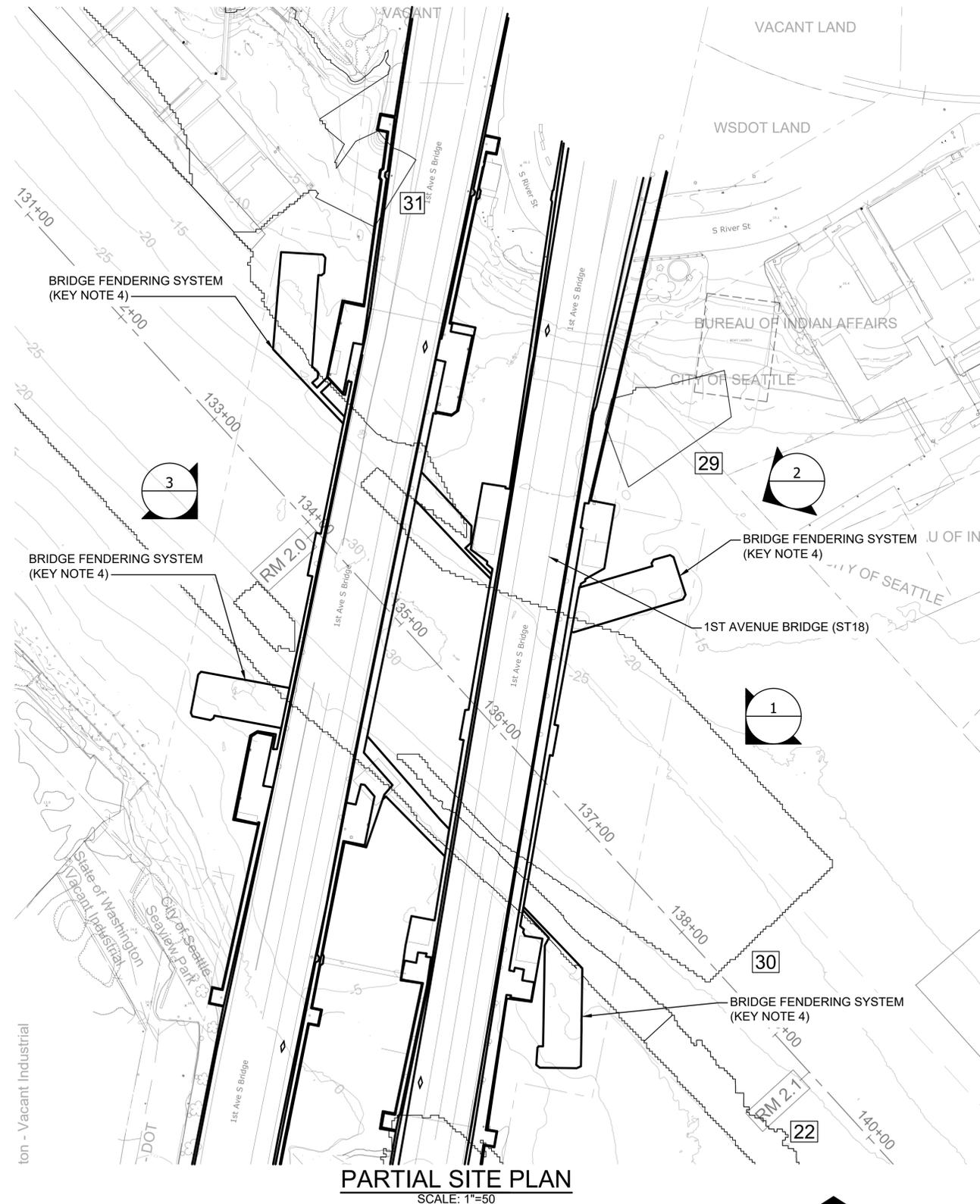
Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

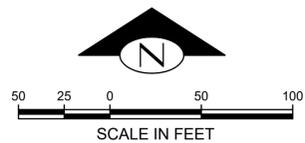
JOB #	PC
	CO
VPI #	
S-175	
SHEET	66 OF 69

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VAULT SERIAL #	
DATE	
MARK	
NATURE	
REVISIONS	
MADE	
CHKD	
REVD	



PARTIAL SITE PLAN
SCALE: 1"=50



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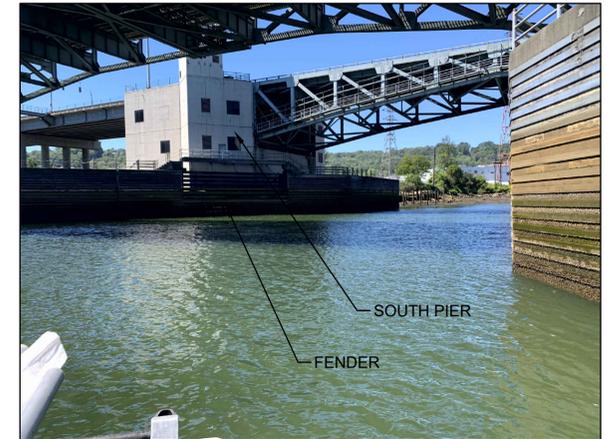
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- PROTECT IN PLACE BRIDGE FENDERING SYSTEM.



1ST AVENUE BRIDGE (LOOKING UPSTREAM)

PHOTO
SCALE: NONE

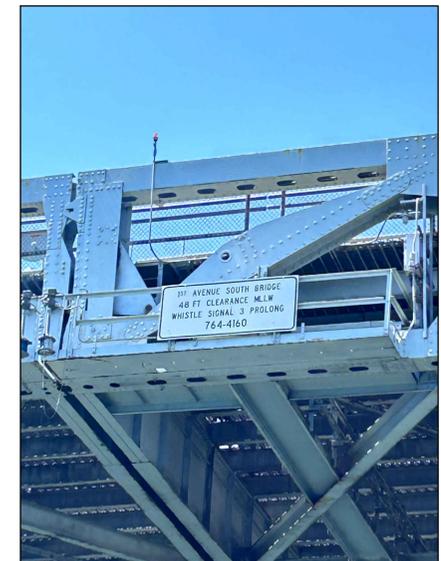


1ST AVENUE BRIDGE (LOOKING DOWNSTREAM)

PHOTO
SCALE: NONE



GOOGLE MAP VIEW
SCALE: NONE



1ST AVENUE BRIDGE VERTICAL CLEARANCE

PHOTO
SCALE: NONE



30% SUBMITTAL (NOT FOR CONSTRUCTION)

WSDOT/SDOT 1ST AVENUE BRIDGE PARTIAL PLAN

DAVID EVANS AND ASSOCIATES INC.
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Bellevue Washington 98007
Phone: 425.519.6500

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FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED	XXX	REVIEWED:	
CHECKED	XXX	DES.	CONST.
		SDOT	PROJ. MGR.
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Seattle Public Utilities
ORDINANCE NO. PW NO.
SCALE: AS NOTED

LOWER DUWAMISH WATERWAY - 30% REMEDIAL DESIGN

JOB #	PC
	CO
VPI #	
	S-185
SHEET	69 OF 69

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VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHKD	REVD