SCALE: 1" = 65 MI.

# **VICINITY MAP**

SCALE IN FEET

# WLFL8 FORT DENT 2020 REPAIR PROJECT

FUNDED BY THE KING COUNTY FLOOD CONTROL DISTRICT

# LOCATION:

TUKWILA, WA **RIVER MILE 11.2** 

	SHEET INDEX								
SHEET NUMBER	DRAWING NUMBER	DESCRIPTION							
GEN	IERAL								
1	G-01	COVER SHEET, VICINITY MAP & INDEX							
2	G-02	GENERAL SYMBOLS, LEGEND & ABBREVIATIONS							
3	G-03	SUMMARY OF QUANTITIES							
4	G-04	EXISTING CONDITIONS & SITE CONTROL							
CIVI	L								
5	C-01	OVERALL PROJECT SITE PLAN							
<b>*</b> 6	C-02	TRAIL PLAN & PROFILE							
7	C-03	CONSTRUCTION STAGING, SEQUENCING & DEMOLITION PLAN							
8	C-04	BANK PLAN							
9	C-05	CROSS SECTIONS I							
10	C-06	CROSS SECTIONS II							
LAN	DSCAPE								
11	L-01	LANDSCAPE PLAN							
12	L-02	LANDSCAPE DETAILS & SCHEDULES							
TRA	.IL								
13	T-01	TEMPORARY TRAIL ROUTING PLAN							
<b>*</b> 14	T-02	TRAIL DETAILS							
ERC	SION AND SI	EDIMENT CONTROL							
15	EC-01	TEMPORARY EROSION & SEDIMENT CONTROL PLAN							
16	EC-02	TEMPORARY EROSION & SEDIMENT CONTROL DETAILS							

#### NOTE:

★ ASTERISK INDICATES THAT THIS SHEET IS NOT PART OF THIS SUBMITTAL



Know what's below. Call before you dig.

(UNDERGROUND UTILITY LOCATIONS ARE APPROX.

		NUM.	REVISION	BY	DATE				
						APPROVED:		1	
FIELD BOOK:								1	
SURVEYED: 1 ALIANCE	03/2024	<b> </b>				PROJECT ALEX ANDERSON — NHC		1	
SURVEYED: 1 //LI//1102	00/2021					MANAGER:		PROJECT No	10362891
SURVEY BASE MAP:						DESIGNED. JEREMY PAYNE - NHC		I KOOLOI NO	
SORVET DASE WAR.						DESIGNED: JEREMY PAYNE - NHC	+	1	
CHECKED:						JOEL DARNELL — HDR	l	CONTRACT No	XXXXXX
CHECKED.		_	<del>-</del>	_	_	- OOLL DANNELL TIDIO		1	
DRAFT		NUM.	RECORD CHANGES APPROVED	BY	DATE			1	
						CAD DESIGN: SHAWN KUHNS - HDR		1	
(NOT FOR CONSTRUCTION)						0.15 520.0		1	







**Capital Services Unit** 

Christie True, Director

SHEET 16 SHEETS

COVER SHEET, VICINITY MAP & INDEX

**WLFL8 FORT DENT 2020** 

**REPAIR PROJECT** 

**G-01** 

SYMBOLS

**G-02** 

LINE TYPES

(NOT FOR CONSTRUCTION)

	CIVIL DESIGN	N TABLE
ITEM	QUANTITY	NOTES
BOULDERS	110 EA	MINIMUM 3 TONS; ALL BELOW OHWM
ROOTWADS	75 EA	
NATIVE FILL (FLOODPLAIN BENCHES)	200 CY	
RIPRAP	675 CY	635 CY BELOW OHWM / 40 CY ABOVE OHWM
BIODEGRADABLE MATTING	2,500 SY	
CUT	8,300 CY	2,900 CY BELOW OHWM / 5,400 CY ABOVE OHWN
SILT CURTIN	650 LF	
SEIN NET	650 LF	
CRUSHED LEDGE ROCK	4,180 SF	
ASPHALT	13,589 SF	ASPHALT TO BE REPLACED AND NEW
ASPHALT (TO BE REMOVED)	9,585 SF	
IMPORTED FILL	850 CY	
CSTC	500 TONS	
COMPOST	2,800 SY	

REGULATORY AND DESIGN HYDRAULIC CONDI	TIONS TABLE
FLOW CONDITION	ELEVATION (ft)
REGULATORY 1% ANNUAL-CHANCE (100-YEAR) FLOOD	23.9
REGULATORY ORDINARY HIGH WATER/HIGH TIDE	11.0
MEAN LOWER LOW TIDE	4.5



Know what's below.

Call before you dig.

(UNDERGROUND UTILITY LOCATIONS ARE APPROX.)

		NUM.	REVISION	BY	DATE	
						APPRO
FIELD BOOK:		<u> </u>				PROJE
SURVEYED: 1 ALLIANCE	03/2024					MANA
SURVEY BASE MAP:						DESIGN
CHECKED:						1
DRAFT		NUM.	RECORD CHANGES APPROVED	BY	DATE	1
(NOT FOR CONSTRUCTION)						CAD D

APPROVED:_		
PROJECT	JOEL DARNELL	
MANAGER:	JEREMY PAYNE	PROJE
DESIGNED:	BRYAN COPP	 CONTR
_		 CONTIN
CAD DESIGN:	SHAWN KUHNS	

10362891

XXXXXX





**Capital Services Unit** 

Christie True, Director

<b>WLFL8 FORT DENT 2</b>	02
<b>REPAIR PROJECT</b>	

SUMMARY OF QUANTITIES

SHEET	
03	
OF	
16	

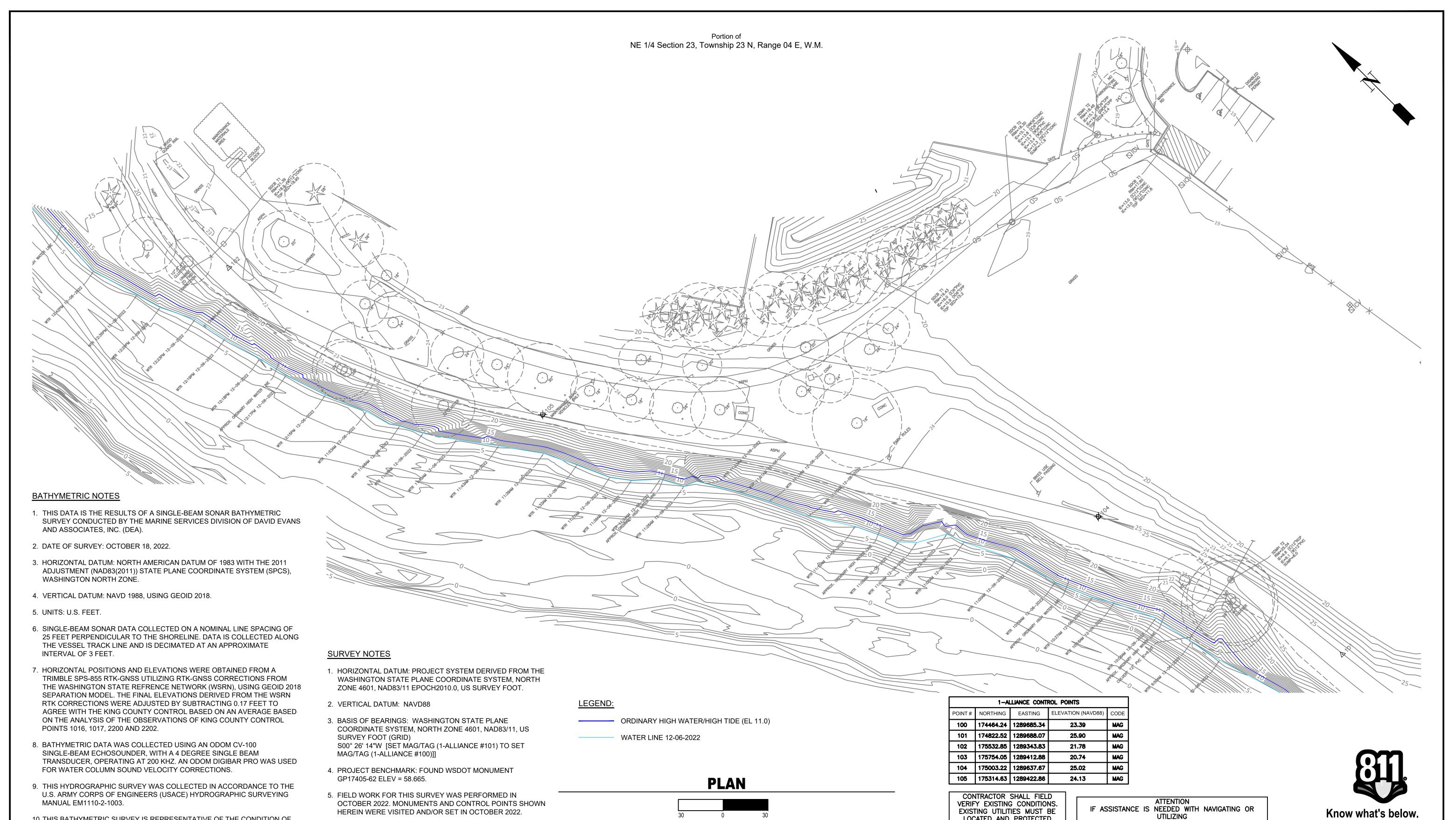
SHEETS **G-03** 



(NOT FOR CONSTRUCTION)

10. THIS BATHYMETRIC SURVEY IS REPRESENTATIVE OF THE CONDITION OF

THE BOTTOM AT THE TIME OF THE SURVEY; THE CONDITION OF THE RIVER



SCALE IN FEET

----

BOTTOM MAY CHANGE AT ANY TIME AFTER THE DATE OF THIS SURVEY. FIELD OBSERVATIONS. BY DATE REVISION APPROVED: FIELD BOOK:\_ MANAGER: JOEL DARNELL SURVEYED: 1 ALLIANCE 03/2024 10362891 PROJECT No. DESIGNED: \_\_\_JEREMY PAYNE \_\_\_\_ SURVEY BASE MAP:\_ XXXXXXX CONTRACT No. BRYAN COPP CHECKED: \_\_\_\_ | - | **DRAFT** NUM. BY DATE RECORD CHANGES APPROVED CAD DESIGN: SHAWN KUHNS

6. UPLAND CONTOURS SHOWN ARE DERIVED FROM DIRECT







Water and Land Resources Division Stormwater Services Section

**Capital Services Unit** 

Christie True, Director

LOCATED AND PROTECTED

BEFORE AND DURING CONSTRUCTION.

**WLFL8 FORT DENT 2020** REPAIR PROJECT

UTILIZING

THIS BASE MAP IN CIVIL 3D PLEASE CONTACT

1-ALLIANCE AT (425) 598-2200.

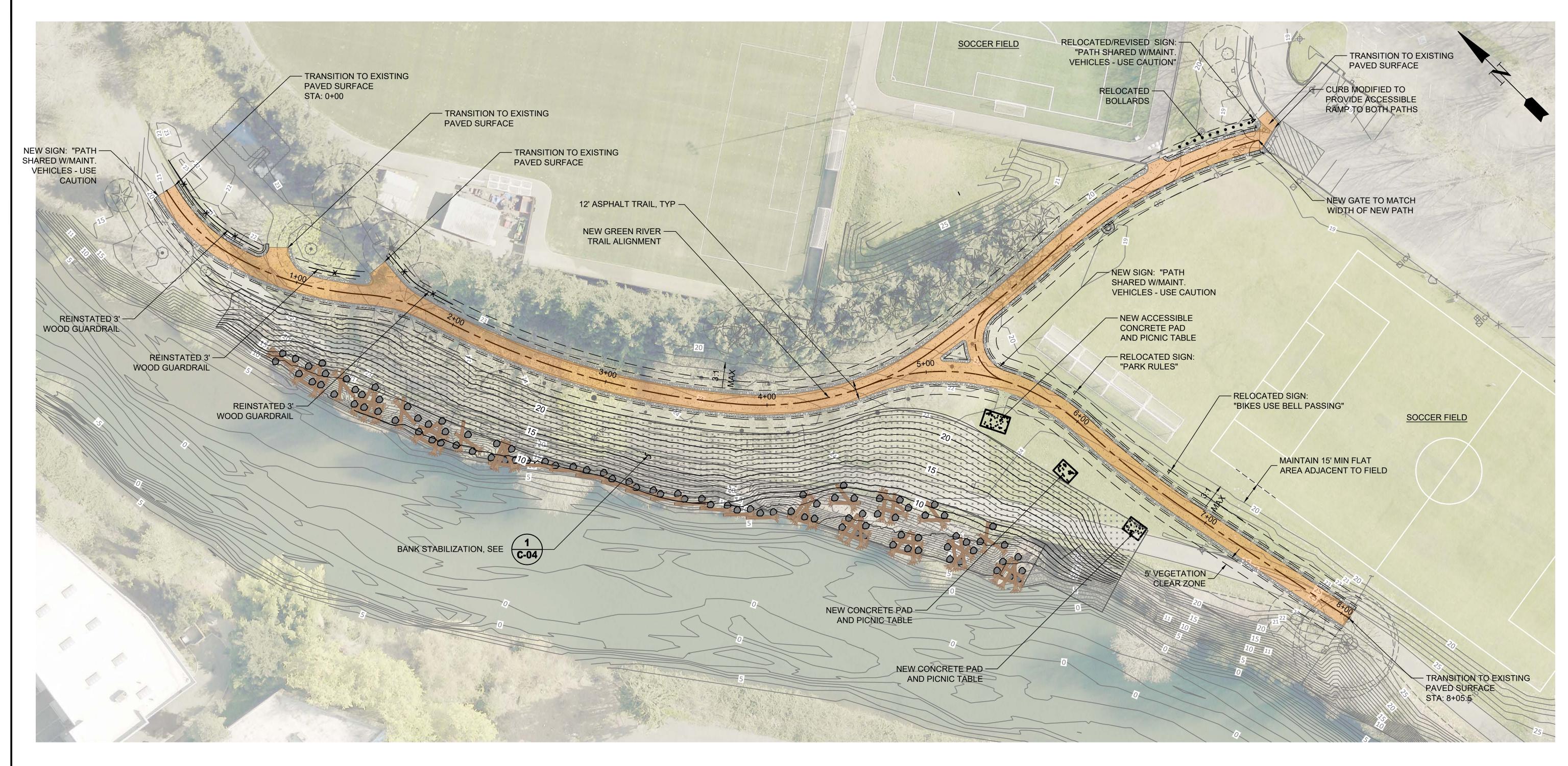
SHEET **16** SHEETS

Call before you dig.

(UNDERGROUND UTILITY LOCATIONS ARE APPROX.

**EXISTING CONDITIONS & SITE CONTROL** 

**G-04** 



#### **NOTES**

(NOT FOR CONSTRUCTION)

- 1. CONSULT WITH ARBORIST FOR CRITICAL ROOT ZONE PROTECTION OF EXISTING TREES WITHIN 15' OF PAVED TRAIL AND FOR SELECTIVE PRUNING TO ESTABLISH VERTICAL CLEARANCE OVER TRAIL.
- EXISTING GRADES ASSUMED NOT TO EXCEED 5% TO BE CONFIRMED DURING FINAL DESIGN.
- 3. TRAIL TO HAVE 2% MAX. CROSS SLOPE FOR DRAINAGE.

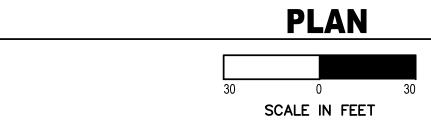




NEW/REPLACED GREEN RIVER TRAIL



NEW CRUSHED LEDGE ROCK SHOULDER





Know what's below. Call before you dig. (UNDERGROUND UTILITY LOCATIONS ARE APPROX.

		NUM.	REVISION	BY	DATE					
						APPROVED:_				
TELD BOOK:						]				
SURVEYED: 1 ALLIANCE	03/2024			-		PROJECT MANAGER:	ALEX ANDERSON - NHC			
SURVETED:	1 ,								PROJECT No	10362891
SURVEY BASE MAP:						DESIGNED:	JEREMY PAYNE — NHC			
NIEOKED.						1	IOEL DADNELL LIDD		CONTRACT No	XXXXXX
CHECKED:	+	_	1	_	-	] _	JOEL DARNELL — HDR		CONTRACT NO	
DRAFT		NUM.	RECORD CHANGES APPROVED	BY	DATE	]				
						CAD DESIGN:	SHAWN KUHNS - HDR			
(NOT FOR CONCERNICTION)	1							I		







Water and Land Resources Division Stormwater Services Section **Capital Services Unit** 

Christie True, Director

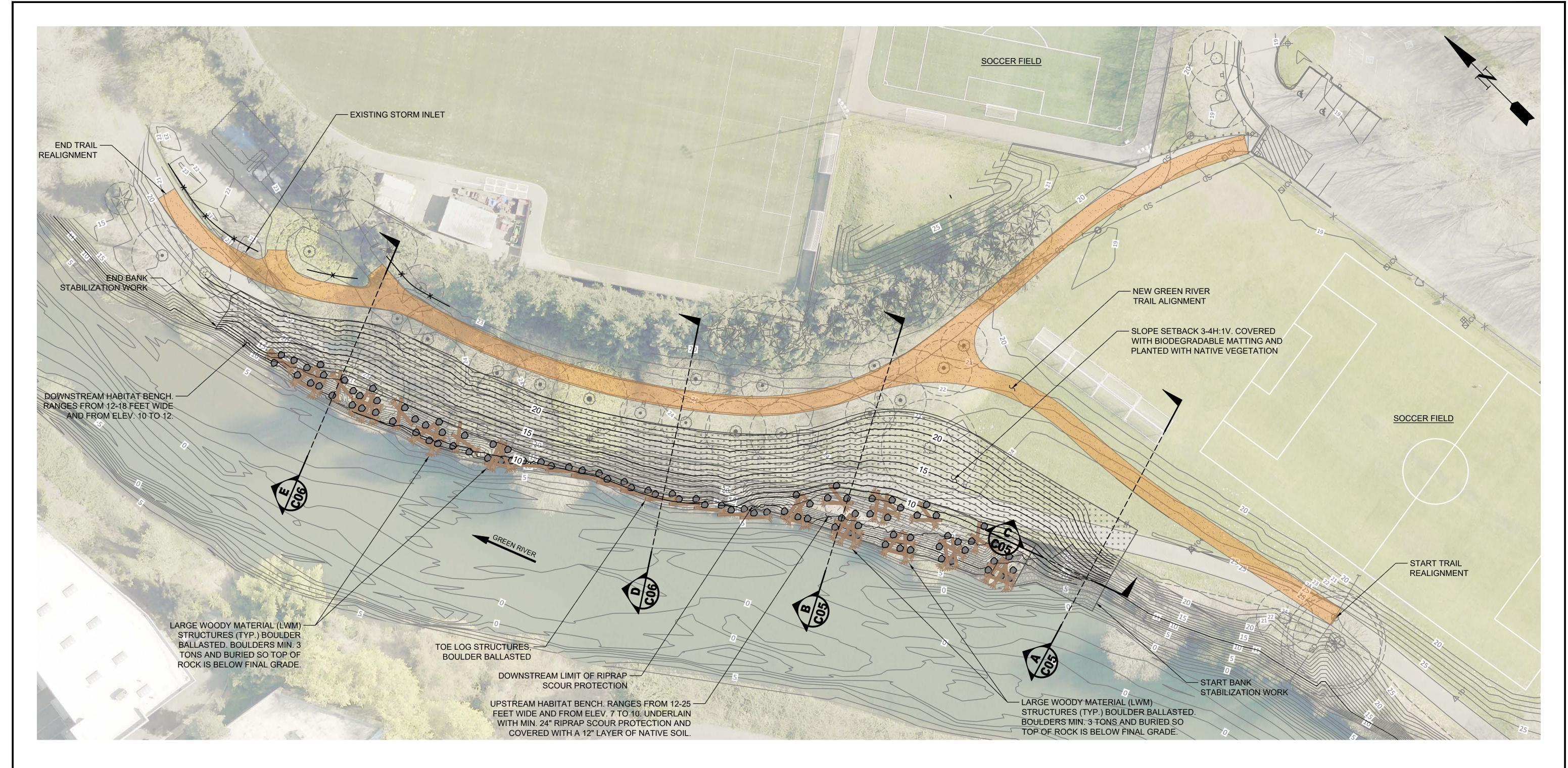
<b>WLFL8 FORT DENT 2020</b>
REPAIR PROJECT

SHEET
05
OF
16
SHEETS

**OVERALL PROJECT SITE PLAN** 

**C-01** 

(NOT FOR CONSTRUCTION)



### <u>NOTES</u>

1. RIPRAP SLOPE PROTECTION MIN. 24" WITH WILLOW ROWS. KEY IN ROCK AT UPSTREAM END TO PREVENT FLANKING.

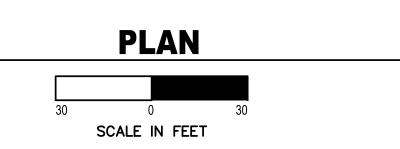
#### <u>LEGEND</u>

N

NEW/REPLACED GREEN RIVER TRAIL

SLOPE SETBACK 3-4H:1V

RIP RAP SLOPE PROTECTION





Know what's below. Call before you dig.

(UNDERGROUND UTILITY LOCATIONS ARE APPROX.

		NUM.	REVISION	BY	DATE					
						APPROVED:				
FIELD BOOK:		<u> </u>		_		-				
SURVEYED: 1 ALLIANCE	03/2024					PROJECT MANAGER:	ALEX ANDERSON - NHC		]	0762901
				1		1	IEDENAY DAYNE NILIO		PROJECT No	0362891
SURVEY BASE MAP:	1					DESIGNED:	JEREMY PAYNE - NHC			
CHECKED:						1	JOEL DARNELL - HDR		CONTRACT No	XXXXXX
			_			<b>-</b>			1	
DRAFT		NUM.	RECORD CHANGES APPROVED	BY	DATE	1				
						CAD DESIGN:_	SHAWN KUHNS - HDR			
(NOT FOR CONSTRUCTION)						1				







Department of Natural Resources and Parks Water and Land Resources Division Stormwater Services Section

Capital Services Unit

Christie True, Director

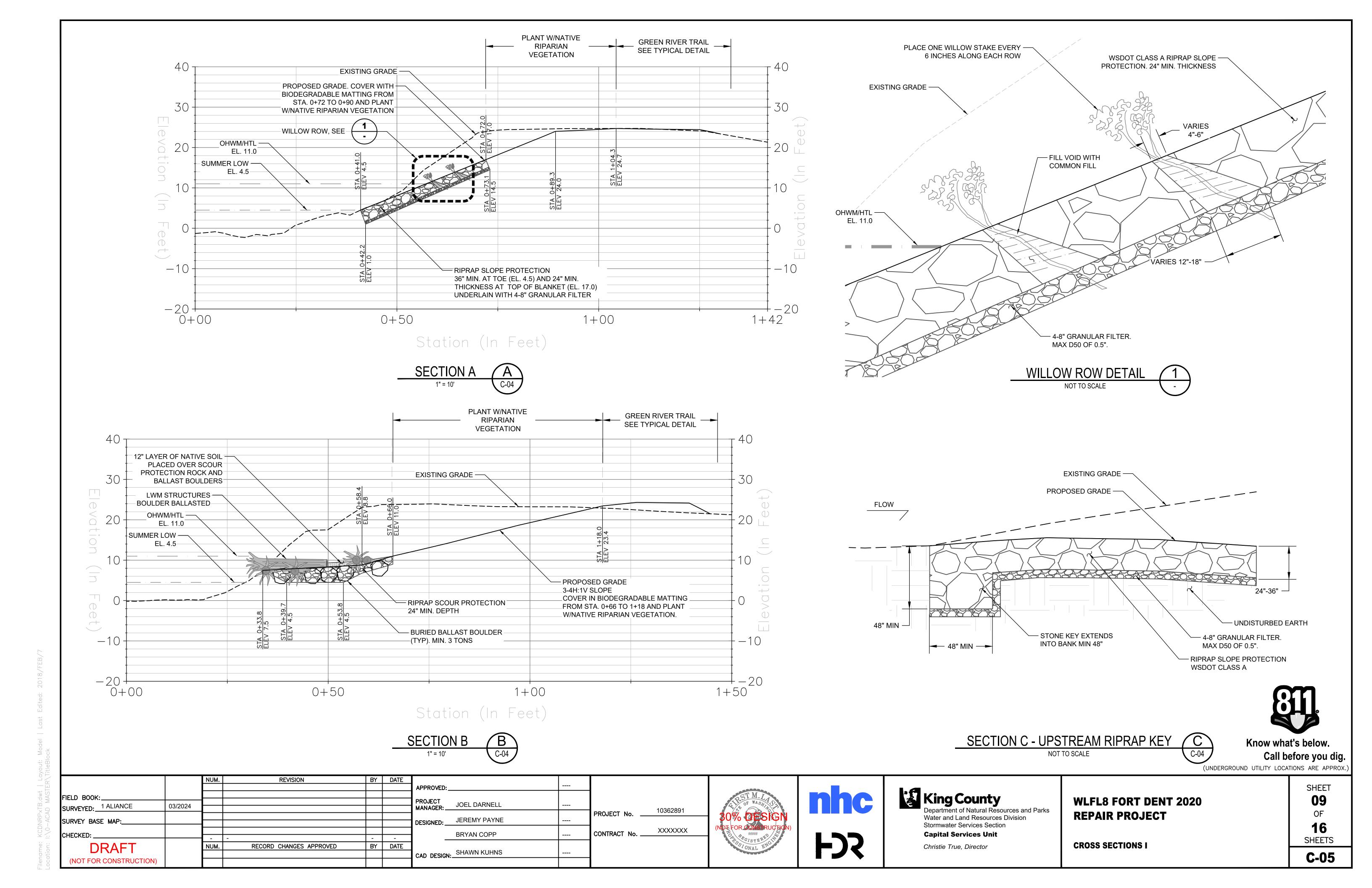
<b>WLFL8 FORT DENT 2020</b>
REPAIR PROJECT

**BANK PLAN** 

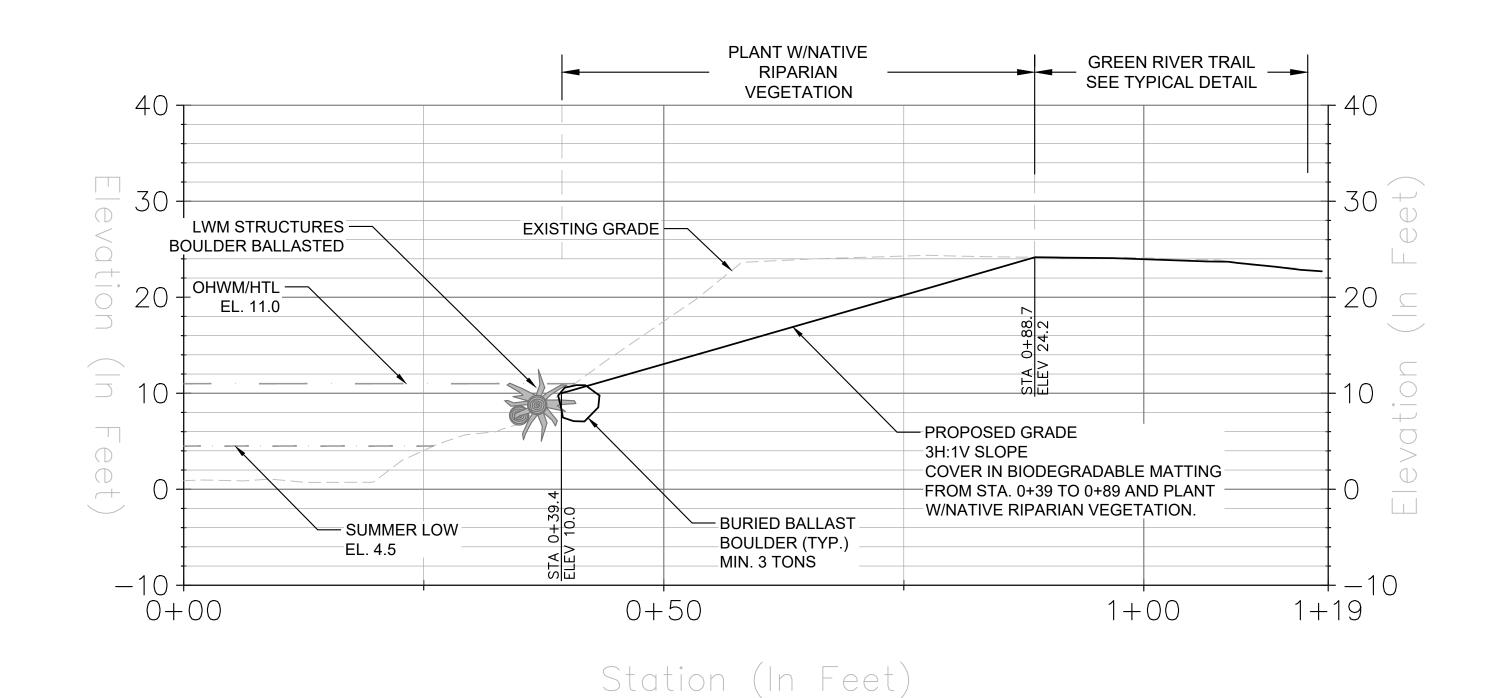
SHEET **08** OF **16** 

16 SHEETS

**C-04** 



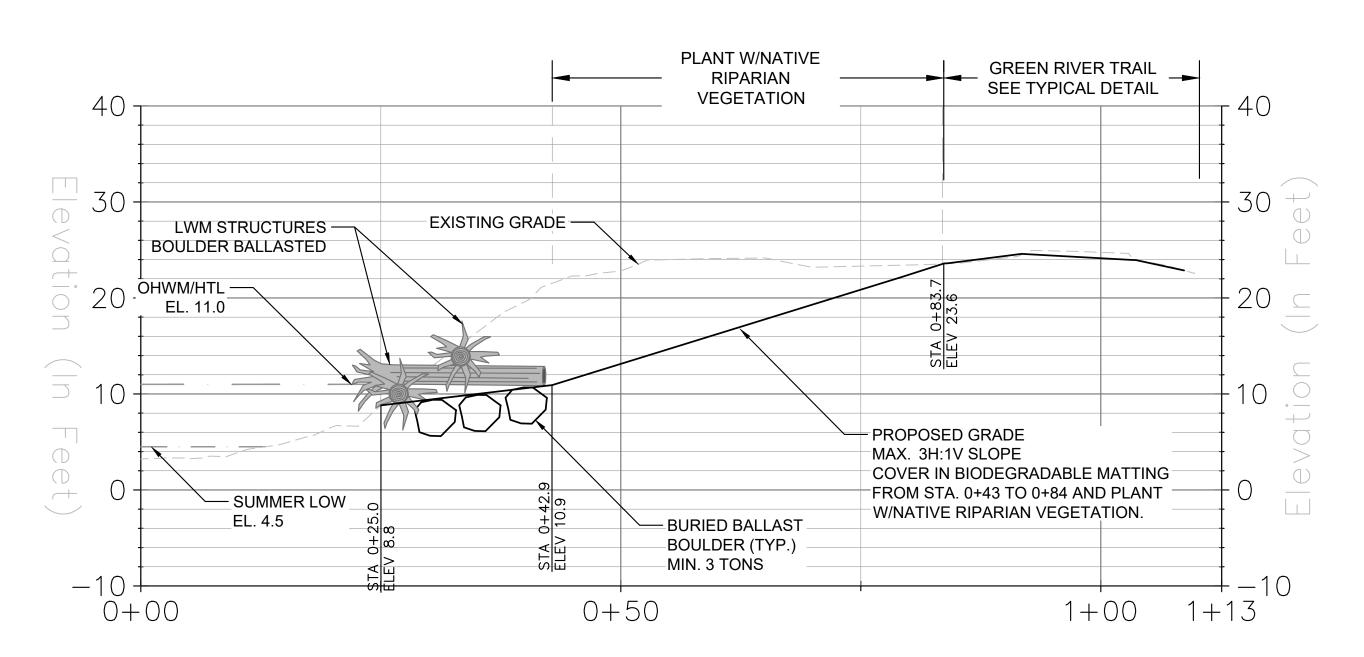
(NOT FOR CONSTRUCTION)



SECTION D

1" = 10'

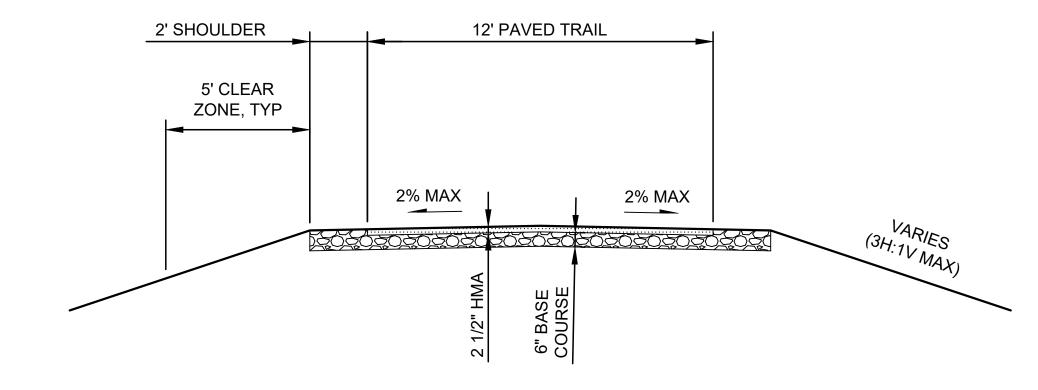
C-04



Station (In Feet)

C-04

SECTION E



NOTE: CAVFS NOT SHOWN FOR CLARITY



Know what's below.

Call before you dig.

(UNDERGROUND UTILITY LOCATIONS ARE APPROX.)

		NUM.	REVISION	BY	DATE					
	1			/		APPROVED:				
FIELD BOOK:				<b></b> '		DD0 1507				
SURVEYED: 1 ALLIANCE	03/2024			<del> </del> '		PROJECT MANAGER: _	JOEL DARNELL		4000004	
·	1			-					PROJECT No10362891	4 2
SURVEY BASE MAP:				$\vdash \vdash$		DESIGNED:_	JEREMY PAYNE			۲ . ۲
CHECKED:							BRYAN COPP		CONTRACT No. XXXXXXX	(NC
CHECKED:		-	-	<u> </u>	-	<b>-</b>	BITTAIN COLL			1 '
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Department of Natural Resources and Parks
Water and Land Resources Division
Stormwater Services Section
Capital Services Unit

Christie True, Director

<b>WLFL8 FORT DENT 2020</b>
REPAIR PROJECT

**CROSS SECTIONS II** 

SHEET
10
OF
16
SHEETS
C-06

L-01

CAD DESIGN: SHAWN KUHNS

(NOT FOR CONSTRUCTION)

#### FORESTED RIPARIAN BUFFER MIX

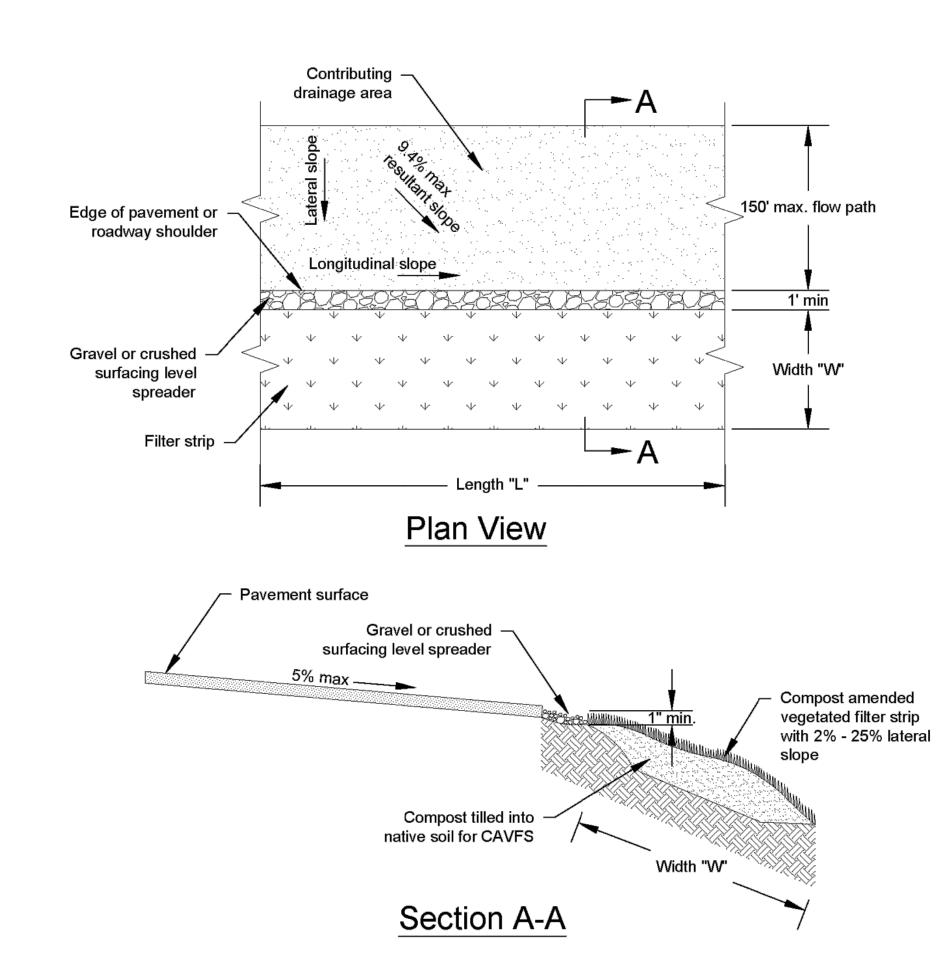
		WET	STOCK	SPACING
TREES		CLASS	TYPE	O.C. (FT)
Acer macrophyllum	Big leaf maple	FACU	No. 1 Con	12
Fraxinus latifolia	Oregon ash	FACU	No. 1 Con	12
Picea sitchensis	Sitka spruce	FAC	No. 1 Con	12
Populus balsamifera var.	Cottonwood	FACW	No. 1 Con	12
trichocarpa				
Pseudotsuga menziesii	Douglas fir	FACU	No. 1 Con	12
Thuja plicata	West. Red Cedar	FAC	No. 1 Con	12
Tsuga heterophylla	Western Hemlock	FAC	No. 1 Con	12
SMALL TREES AND SHRU	-			
Acer circinatum	Vine maple	FACU	No. 1 Con	4
Mahonia aquifolium	Tall Oregon Grape		No. 1 Con	4
Malus fusca	Pacific crabapple	FACW	No. 1 Con	4
Oemleria cerasiformis	Indian Plum	FAC-	No. 1 Con	4
Physocarpus capitatus	Pacific ninebark	FACU	No. 1 Con	4
Rhamnus purshiana	Cascara	FACW-	No. 1 Con	4
Rubus Specatabilis	Salmonberry	FACW	No. 1 Con	4
Sambucas racemosa	Red elderberry	FAC-	No. 1 Con	4
Symphoricarpos alba	Snowberry	FACU	No. 1 Con	4
GROUNDCOVERS				
Athyrium filix-femina	Lady fern	NI	No. 1 Con	2
Blechnum spicant	Deer fern	FAC	No. 1 Con	2
Gaultheria Shallon	Salal		No. 1 Con	2
Polystichum munitum	Sword Fern	FAC+	No. 1 Con	2

#### LIVE STAKE MIX

LIVE STAKE (LS)		WET CLASS	SPACING O.C. (FT)	
Cornus Sericea	Red tig Dogwood	FACW	3	
Salix lasiandra	Pacific Willow	FACW	3	
Salix scouleriani	Scouler's Willow	FAC	3	
Salix sitchensis	Sitka willow	FACW	3	

#### LOW RIPARIAN BUFFER MIX

		WET	STOCK	SPACING
SMALL TREES AND SHR	UBS	CLASS	TYPE	O.C. (FT)
Rubus parviflorus	Thimbleberry	FAC	No. 1 Con	4
Symphoricarpos	Snowberry	FACU	No. 1 Con	4
GROUNDCOVERS				
Athyrium filix-femina	Lady fern	NI	No. 1 Con	2
Blechnum spicant	Deer fern	FAC	No. 1 Con	2
Gaultheria Shallon	Salal		No. 1 Con	2
Mahonia Nervosa			No. 1 Con	2



FILTER STRIP (CAVFS)

NOT TO SCALE



Know what's below. Call before you dig.

(UNDERGROUND UTILITY LOCATIONS ARE APPROX.)

		NUM.	REVISION	BY	DATE		
						APPROVED:_	
FIELD BOOK:						1	
SURVEYED: 1 ALLIANCE	03/2024	<b>-</b>				PROJECT MANAGER:	ALEX .
SURVEY BASE MAP:						1	JEREM
SURVET BASE MAP						DESIGNED:	
CHECKED:		<u> </u>		+	_	•	JOEL
DRAFT		NUM.	RECORD CHANGES APPROVED	BY	DATE	]	CLIANA
(NOT FOR CONSTRUCTION)		$\vdash$				CAD DESIGN:.	SHAWN

4 0000 450		
APPROVED:		
PROJECT MANAGER:	ALEX ANDERSON - NHC	
DESIGNED:	JEREMY PAYNE - NHC	 PROJECT No.
	JOEL DARNELL - HDR	 CONTRACT No.
CAD DESIGN:	SHAWN KUHNS — HDR	
07.15   DE01011		



10362891

XXXXXXX





Stormwater Services Section **Capital Services Unit** 

Christie True, Director

WLFL8 FORT DENT 202
REPAIR PROJECT

LANDSCAPE DETAILS & SCHEDULES

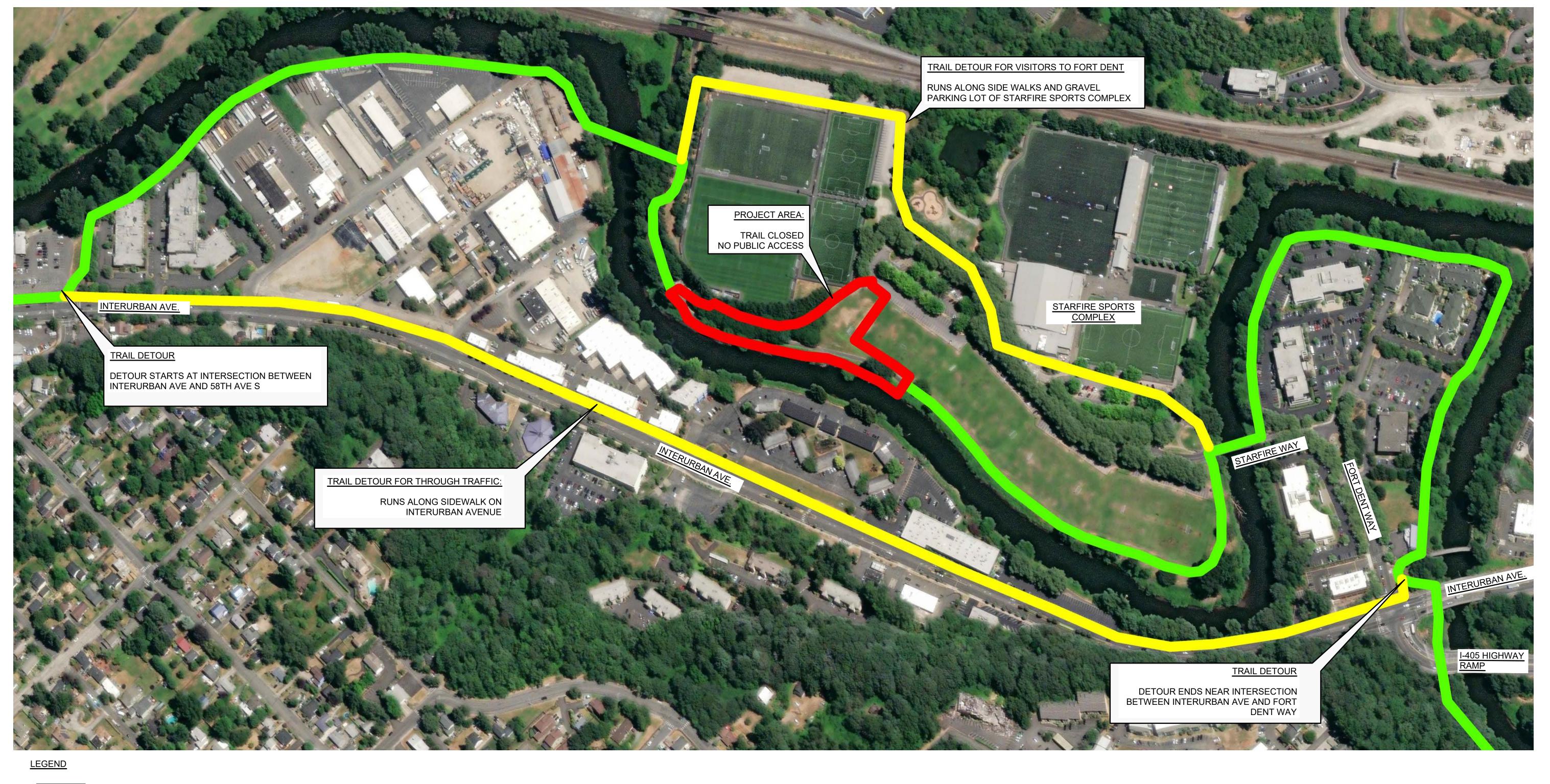
SHEET **12** OF 16 SHEETS

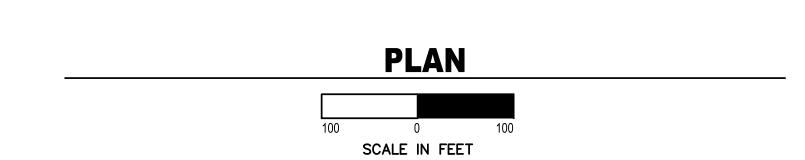
**L-02** 

TRAIL OPEN

TRAIL CLOSED

TRAIL DETOUR







Know what's below. Call before you dig.

(UNDERGROUND UTILITY LOCATIONS ARE APPROX.)

		NUM.	REVISION	BY	DATE		TV IOLINGON			
						APPROVED:_	TY JOHNSON		1	
FIELD BOOK:										
SURVEYED: 1 ALIANCE	03/2024			+-		PROJECT MANAGER:	DAVE CLINE			
SURVETED:	1 7 2 2 2 2			+		WANAGEN			PROJECT No10362891	
SURVEY BASE MAP:				+		DESIGNED:	JOEL DARNELL			7
				+		DEGIGINED:		1	CONTRACT NO XXXXXXX	(1)
CHECKED:			_	+_	<del>  _</del>	-	BRYAN COPP		CONTRACT NoXXXXXX	4
			DECORD CHANGES ADDROVED	+ DV	DATE	-			1	
l DRAFT		NUM.	RECORD CHANGES APPROVED	BY	DATE	4	CHVMVI KIIHVIC	l		
						CAD DESIGN:	SHAWN KUHNS		4	
(NOT FOR CONSTRUCTION)										







King County

Department of Natural Resources and Parks
Water and Land Resources Division

The Continuous Section Stormwater Services Section **Capital Services Unit** 

Christie True, Director

WLFL8 FORT DENT 20	02
REPAIR PROJECT	

TEMPORARY TRAIL ROUTING PLAN

SHEET
13
OF
16
SHFFTS

SHEETS T-01

**DRAFT** 

(NOT FOR CONSTRUCTION)

BY DATE

CAD DESIGN: SHAWN KUHNS

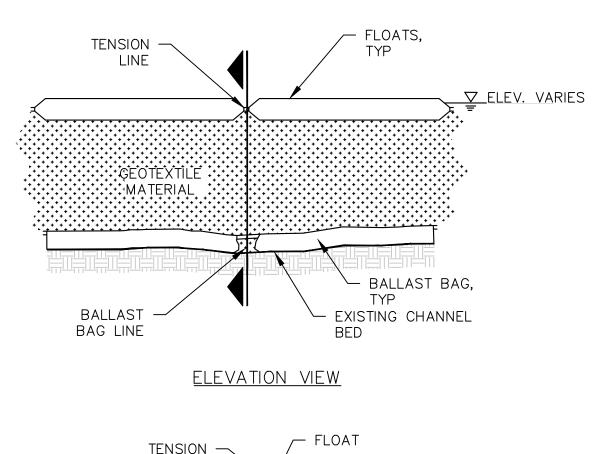
RECORD CHANGES APPROVED

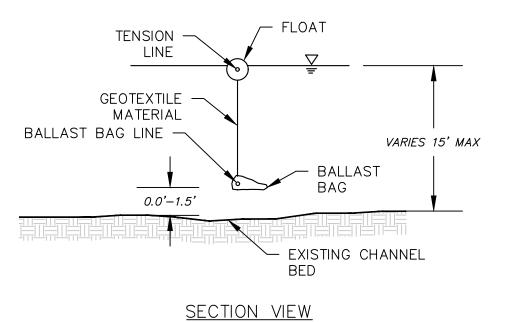
NUM.

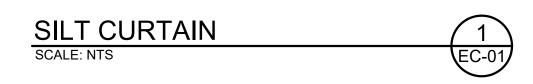
TEMPORARY EROSION & SEDIMENT CONTROL PLAN

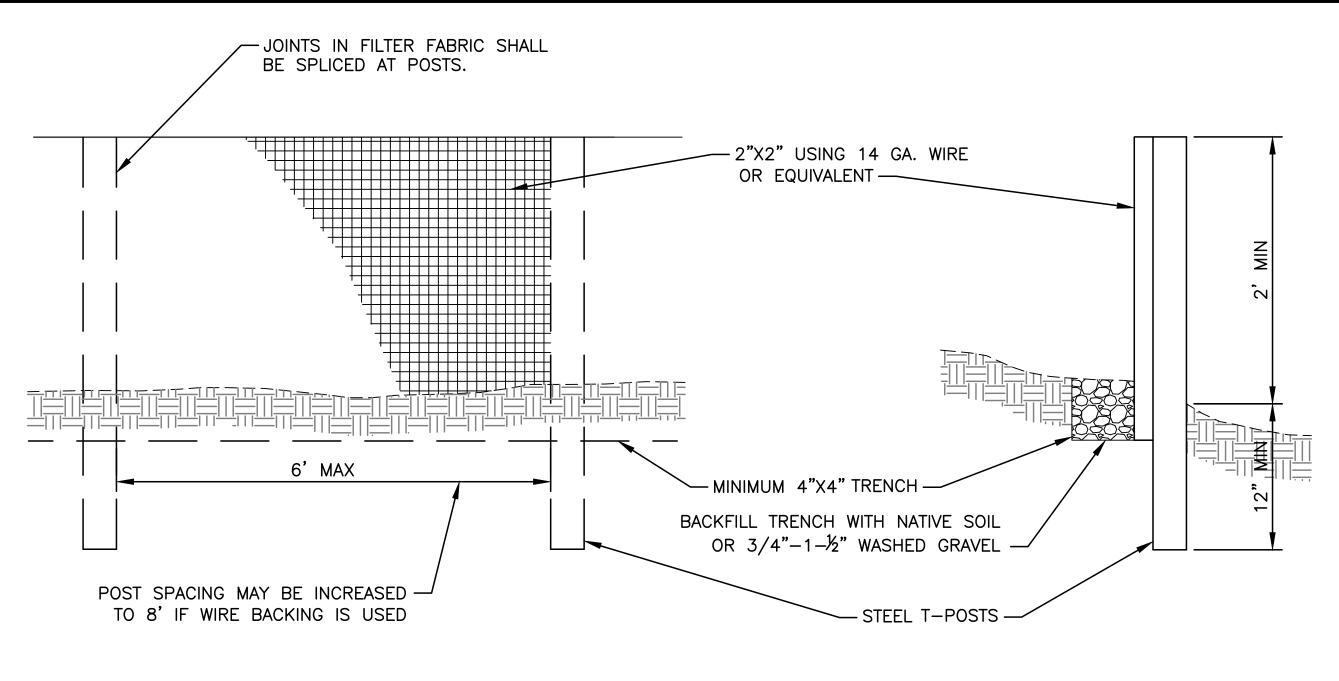
Christie True, Director

SHEETS **EC-01** 









NOTES:

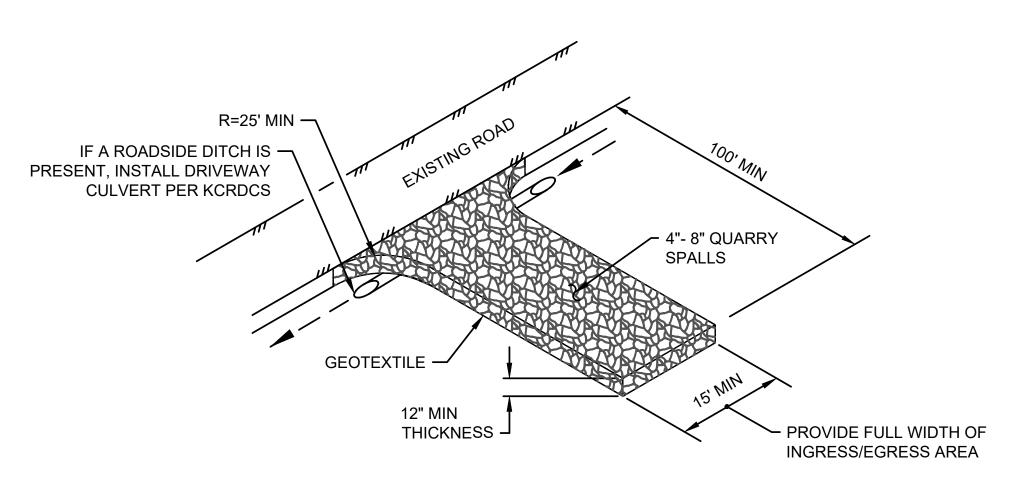
1. SILT FENCES SHALL BE INSTALLED ALONG CONTOUR WHENEVER POSSIBLE.

> SILT FENCE 2 EC-01 SCALE: NTS

(TO BE ADDED)

FILTER SOCK SCALE: NTS

(3) (EC-01)



## NOTES:

- 1. PER KING COUNTY ROAD DESIGN AND CONSTRUCTION STANDARDS (KCRDCS), DRIVEWAYS SHALL BE PAVED TO EDGE OF R-O-W PRIOR TO INSTALLATION OF THE CONSTRUCTION ENTRANCE TO AVOID DAMAGING OF THE ROADWAY.
- 2. IT IS RECOMMENDED THAT THE ENTRANCE BE CROWNED SO THAT RUNOFF DRAINS OFF THE PAD.

CONSTRUCTION ENTRANCE

10362891

XXXXXXX

5 EC-01



Know what's below. Call before you dig.

(UNDERGROUND UTILITY LOCATIONS ARE APPROX.

		Lanna	DE #81814	I 5)/		•
		NUM.	REVISION	BY	DATE	APPRO
FIELD BOOK:						
SURVEYED: 1 ALLIANCE	03/2024					PROJE(
SURVETED:		$\vdash$				
SURVEY BASE MAP:						DESIGN
CHECKED:						1
•		NUM.	RECORD CHANGES APPROVED	BY	DATE	┨
DRAFT		NOM.	RECORD CHANGES AFFROVED		DAIL	$\mathbf{H}^{CVD}$

EC-01

(TO BE ADDED)

CATCHBASIN PROTECTION

TE			
	APPROVED:		
	PROJECT		
	MANAGER:	ALEX ANDERSON — NHC	
	DESIGNED:	JEREMY PAYNE - NHC	 PROJECT N
		JOEL DARNELL - HDR	 CONTRACT
TE	CAD DESIGN:	SHAWN KUHNS — HDR	
	CAL DESIGNA		







Water and Land Resources Division Stormwater Services Section **Capital Services Unit** 

Christie True, Director

WLFL8	<b>FORT</b>	<b>DENT</b>	202
REPAIR	PRO.	JECT	

**TEMPORARY EROSION & SEDIMENT CONTROL DETAILS** 

SHEET **16** 16 SHEETS

(NOT FOR CONSTRUCTION)

**EC-02**