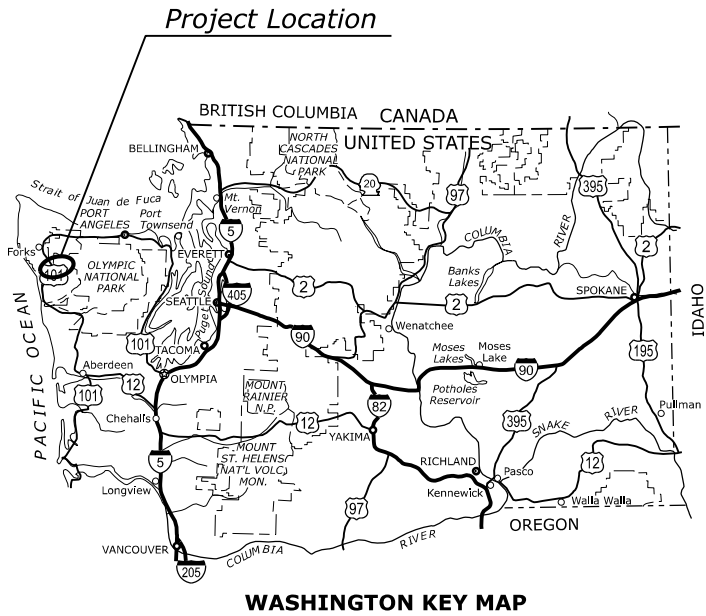


STATE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WA	FLAP JEFFER 150009(1)	1	9

INDEX TO SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SYMBOLS & ABBREVIATIONS
3-4	TYPICAL SECTIONS
5-6	VICINITY MAP
7-9	RIGHT-OF-WAY PLAN SHEETS



U. S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION



RIGHT-OF-WAY PLANS FOR PROPOSED PROJECT

WA FLAP JEFFER 150009(1)

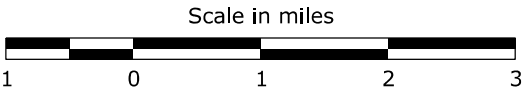
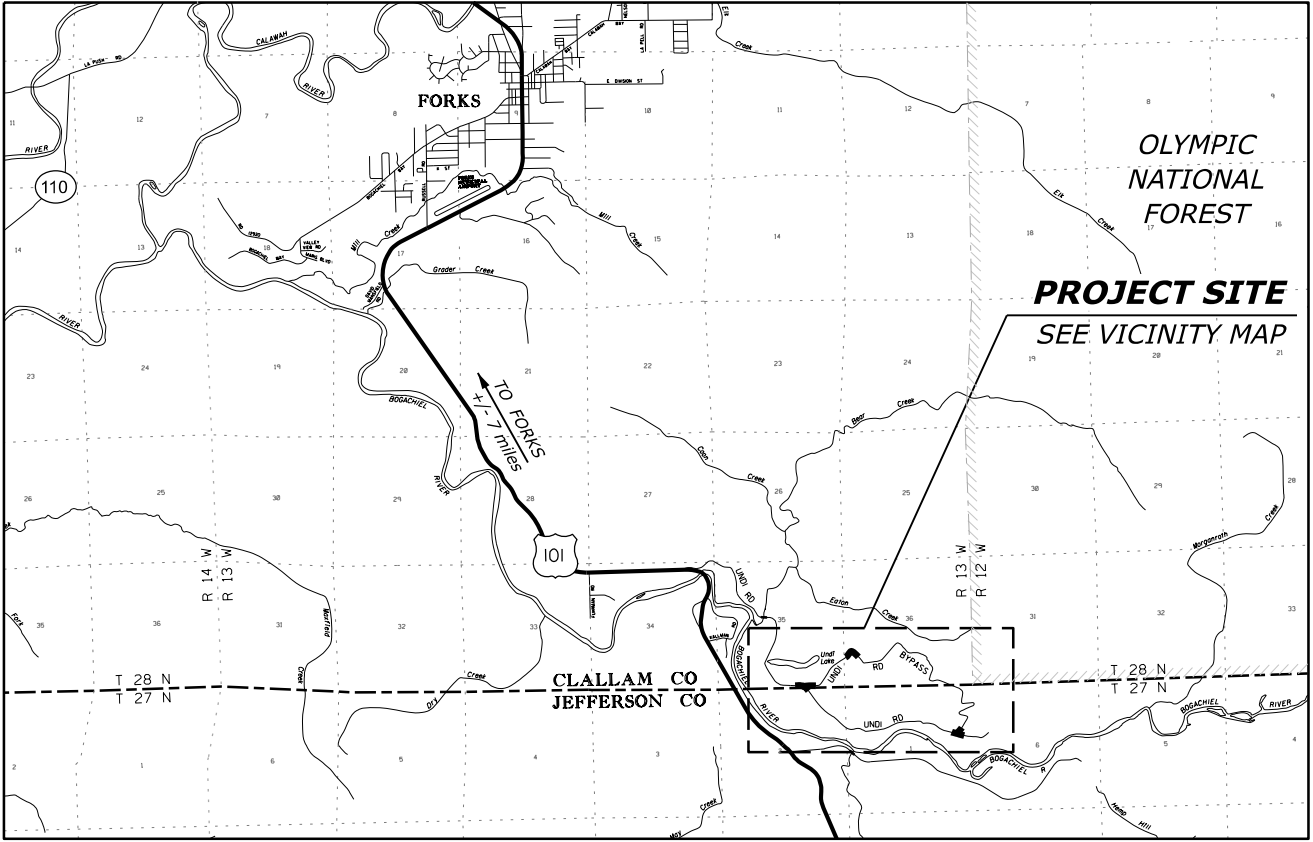
UNDI ROAD BYPASS IMPROVEMENTS

CLALLAM AND JEFFERSON COUNTY  
WASHINGTON

LENGTH 2.180 MILES

PLANS PREPARED FOR  
**U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION**  
WESTERN FEDERAL LANDS HIGHWAY DIVISION  
VANCOUVER, WASHINGTON

PLANS PREPARED BY



\\desinc.com\files\PROJECT\F\HAX0000280\0400CAD\RH\SHEETS\150009(1)\_pln\_rw.dgn [Sheet A.3]  
25 October 2022 2:51 PM

$\Delta$	total central angle
$\Delta c$	curve central angle
$\emptyset$	diameter
$\theta s$	spiral central angle
abut.	abutment
ADT	average daily traffic
AH	ahead
appr.	approach
BK	back
BM	bench mark
BP	balance point
br.	bridge
brg.	bearing
cc or c. to c.	center to center
$\pounds$	centerline
clr.	clear
CMP	corrugated metal pipe
col.	column
conc.	concrete
conn.	connection
constr. jt.	construction joint
cont.	continuous
CS	point of curve to spiral
ctrs.	centers
CUFT	cubic foot (feet)
culv.	culvert
CUYD	cubic yard(s)
D	diameter
DHV	design hourly volume
dia.	diameter
diag.	diagonal
diaph.	diaphragm
dist.	distance
drwg(s).	drawing(s)
E	east
e	superelevation rate
El. 94.61 ft	elevation with number
elev.	elevation
emb.	embankment
EP	edge of pavement
EQ or eq.	equation
ER	edge of road
EW	edge of water
exc.	excavation
exp. jt.	expansion joint
fin.	finish
flg.	flange
ft2	square foot
ft3	cubic foot (feet)
ftg.	footing
ga.	gage (gauge)
galv.	galvanized
hdwl.	headwall
hex.	hexagon
HW	high water
ID	inside diameter
jt.	joint
L	length of curve
lam.	lamination
lat.	latitude
LNFT	linear foot (feet)
long.	longitudinal
LPSM	lump sum
Ls	length of spiral
lt. or LT	left
LW	low water

M.L.	main line
M.P.	mile post
matl.	material
max.	maximum
MGAL	thousand gallon
min.	minimum
mon.	monument
N	north
NC	normal crown
o. c.	on center
o. to o.	out to out
OD	outside diameter
OG	original ground
PC	point of curve
PCC	point of compound curve
PCS	point of curve to spiral
PI	point of intersection
pl.	plate
POC	point on curve
POS	point on spiral
POT	point on tangent
PS	point of tangent to spiral
PSC	point of spiral to curve
PST	point of spiral to tangent
PT	point of tangent
pvm.	pavement
R	radius
R.	range
R/W	right-of-way
rdwy.	roadway
reinf.	reinforcement
reqd.	required
rt. or RT	right
rte.	route
S	south
SADT	seasonal average daily traffic
SC	point of spiral to curve
sec.	section
shldr.	shoulder
SLRY	slurry unit
spa.	spacing, spaces or spaced
SQFT	square foot
SQYD	square yard
SRS	point of spiral to reverse spiral
SS	point of spiral to spiral (no curve)
ST	point of spiral to tangent
STA, Sta.	station
std.	standard
stgr.	stringer
stiff.	stiffener
struc.	structural
STS	point of spiral to tangent spiral
sym.	symmetrical
T	tangent distance
T.	township
TBM	temporary bench mark
thd.	thread
TS	point of tangent to spiral
Ts	tangent distance (spiraled curve)
typ.	typical
V	design speed
vph	vehicles per hour
VPI	vertical point of intersection
W	west
yd2	square yard
yd3	cubic yard(s)

Township or Range Line

Section Line

Section Corner (Found, Projected)

$\frac{1}{4}$  Section Line

$\frac{1}{4}$  Section Corner (Found, Projected)

$\frac{1}{16}$  Section Line

$\frac{1}{16}$  Section Corner (Found, Projected)

Property Line w/Found Property Corner

Parcel Number

Common Ownership

Survey Monument

National Boundary

State Boundary

County Boundary

City Boundary

National Park Boundary

National Forest Boundary

National Wildlife Refuge Boundary

BLM Lands Boundary

Indian Reservation Boundary

Individual Trees

Treeline

Lake, Pond or Reservoir; Marshland

Spring or Seep

Large Creek or River

Intermittent Drainage or Small Creek

Existing Roadway (Road, Paved, Gravel)

Railroad

Trail

Clearing Limits

Material Source

Spot Elevation; Coordinate Grid Tick

Gas & Water Meter; Gas & Water Valve



North Arrow



	EXISTING	PROPOSED
Right-of-Way Line	$\frac{R}{W}$	$\frac{R}{W}$
Permanent Easement	$\frac{P}{E}$	$\frac{P}{E}$
Construction Easement	Not Applicable	$\frac{T}{C}$
Roadway Centerline		
Detour Centerline	Not Applicable	
Slope Stake Limits	Top of Cut Toe of Fill Transition	
Fence	X - X - X - X	XX - XX - XX - XX
Gate with Fence	X - X - X - X	XX - XX - XX - XX
Cattleguard		wall face
Retaining Wall		
Signs (single, double post; portable)		
Pipe Culvert (arrow shows flow)		
Pipe Culvert with End Section		
Pipe Culvert with Headwall		
Pipe Culvert with Drop Inlet		
Box Culvert		
Underdrain		
Building		
Overhead/Above Ground Utilities	$\frac{P}{P}$	$\frac{P}{P}$
Underground Utilities (Underground utilities are denoted by bars on either side of designator)	$\frac{W}{W}$	$\frac{W}{W}$
Utility Colors and Designators P = power, IRR = irrigation, W = water, STEAM = steam, G = gas, O = oil, FM = force main, SA = sanitary sewer, SD = storm drain, SS = storm sewer, FO = fiber optic, T = telephone, TV = CATV		
Poles (Power, Telephone, Joint Use, Light, Support w/Anchor)		
Miscellaneous Utility Features EM = electric meter, UP = transformer or junction box, WF = water fountain T = telephone pedestal, TV = CATV pedestal,		



U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION  
VANCOUVER, WASHINGTON

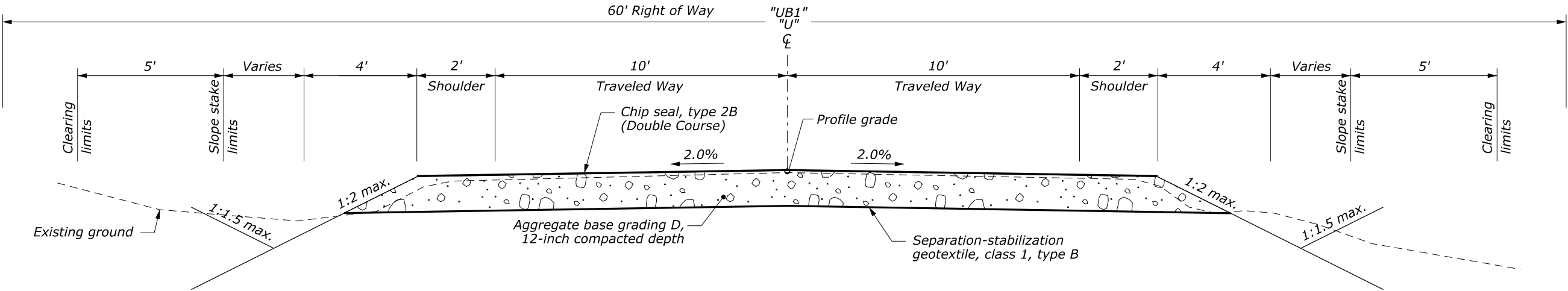
SYMBOLS AND ABBREVIATIONS

**UNDI ROAD BYPASS IMPROVEMENTS  
CLALLAM AND JEFFERSON COUNTY  
WASHINGTON**

Shoulder Left Width	
Alignment	"SL"
"UB1" 100+00.0 to 100+70.0	0.5' to 2'
"UB1" 104+44.8 to 105+63.9	2' to 0'
"U" 150+00.0 to 150+39.1	0.95' to 2'

Shoulder Right Width	
Alignment	"SR"
"UB1" 100+00.0 to 100+70.0	0.5' to 2'
"UB1" 104+44.8 to 105+63.9	2' to 0'
"U" 150+00.0 to 150+39.1	1.8' to 2'

Ditch Left Depth	
Alignment	"DL"
"UB1" 102+50.0 to 103+31.0	2' to 3.8'
"UB1" 103+46.3 to 103+54.0	2' to 0'
"UB1" 103+54.0 to 103+86.0	3.9' to 2'



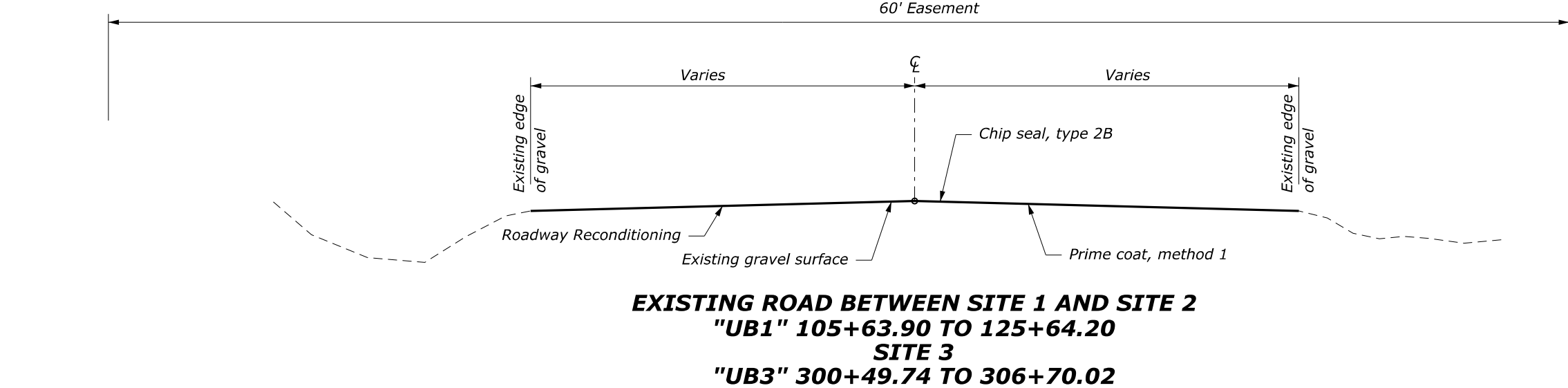
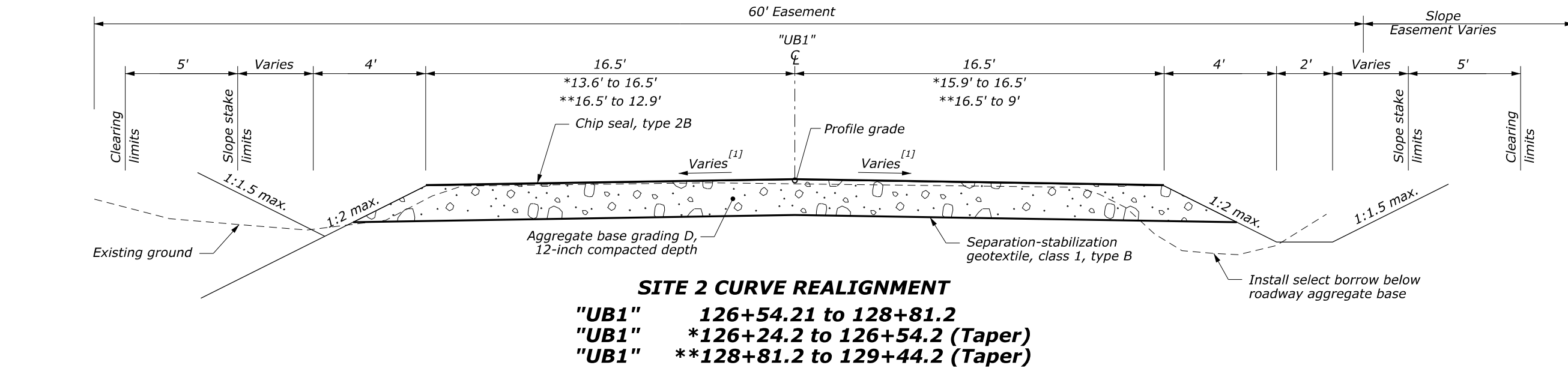
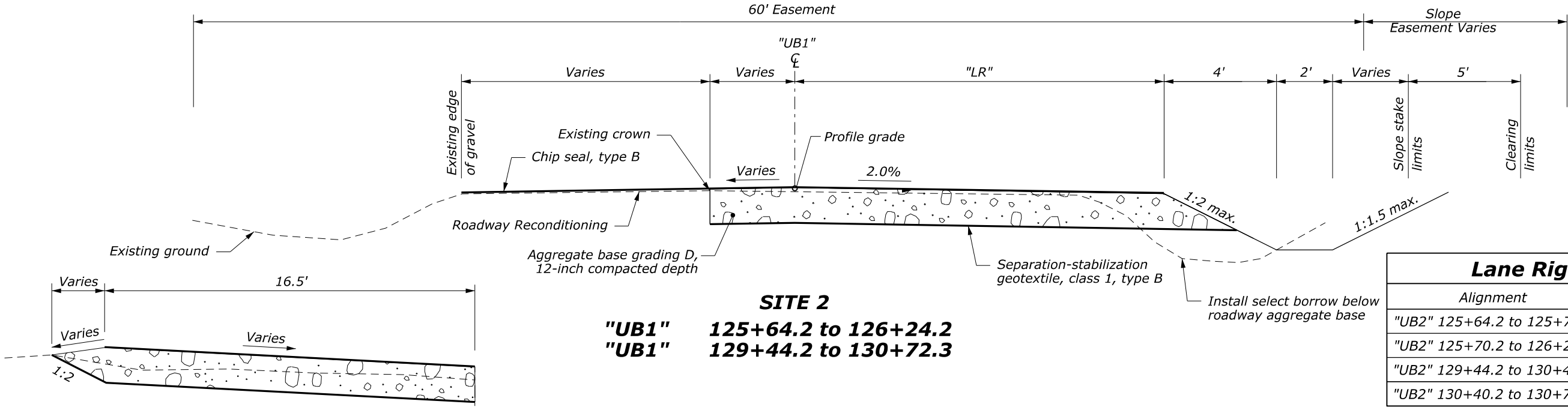
**SITE 1 ROADWAY RECONSTRUCTION**

**"U" 150+39.1 to 151+26.1**  
**"UB1" 100+70.0 to 104+44.8**

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION  
VANCOUVER, WASHINGTON

TYPICAL SECTION SHEET

**UNDI ROAD BYPASS IMPROVEMENTS**  
**CLALLAM AND JEFFERSON COUNTY**  
**WASHINGTON**



SURVEY NOTES:

1. PURPOSE OF THIS SURVEY: RECOVERING OR ESTABLISHING CORNER MOUMENTS FOR SUBJECT PROPERTY, AND TOPOGRAPHY IN VICINITY OF BOUNDARY LINES. FILEDWORK WAS PERFORMED IN JULY AND AUGUST OF 2021.

2. METHODOLOGY: FIELD MEASUREMENTS FOR THIS SURVEY WERE PERFORMED USING TRIMBLE R10-2 GNSS RECEIVERS AND TRIMBLE S7 1" ROBOTIC TOTAL STATIONS. THIS SURVEY COMPLIES WITH THE MAXIMUM ALLOWABLE RELATIVE ACCURACY AND MINIMUM LINERAR TRAVERSE CLOSURES PER W.A.C. 332-130-085 AND 332-130-090.

3. PROPERTY LINES: SHOWN HEREON ARE BASED ON READILY AVAILABLE PLATS, SURVEYS, AND RIGHT OF WAY PLANS OF PUBLIC RECORD. ALL DIMENSIONS AND COORDINATES ARE IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.

4. MONUMENTATION VISITATION: ALL SURVEY MONUMENTS AND OTHER SURVEY MARKERS SHOWN HEREON WERE VISITED ON AUGUST 8TH AND 9TH, 2021.

5. ENCUMBRANCES: THIS SURVEY WAS PERFORMED USING SUBDIVISION CERTIFICATE NO. 88990 OF JEFFERSON TITLE COMPANY, DATED SEPTEMBER 13TH, 2021, AND SUBDVISION CERTIFICATE NO. 138124 OF CLALLAM TITLE COMPANY, DATED SEPTEMBER 24TH, 2021 AND IS SUBJECT TO THE LIMITATIONS OF THOSE CERTIFICATES. THERE MAY BE ADDITIONAL ENCUMBRANCES OR RIGHTS, WRITTEN OR UNWRITTEN UPON SUBJECT TRACT NOT SHOWN HEREON.

6. BAISIS OF BEARING: THE BASIS OF BEARING IS THE OBSERVED MONUMENTED SOUTH LINE OF THE SOUTHEAST QUARTER OF SECTION 35, BEING SOUTH 87°44'21" EAST.

7. GEODETIC DATUM: GRID BEARINGS ARE REFERENCED TO THE WASHINGTON PLAN COORDINATE SYSTEM, NORTH ZONE. THE GEODETIC BASIS IS NAD83(2011)(2010.00) BASED UPON WASHINGTON STATE REFERENCE NETWORK (WSRN) REFERENCE STATIONS.

SURVEY REFERENCES

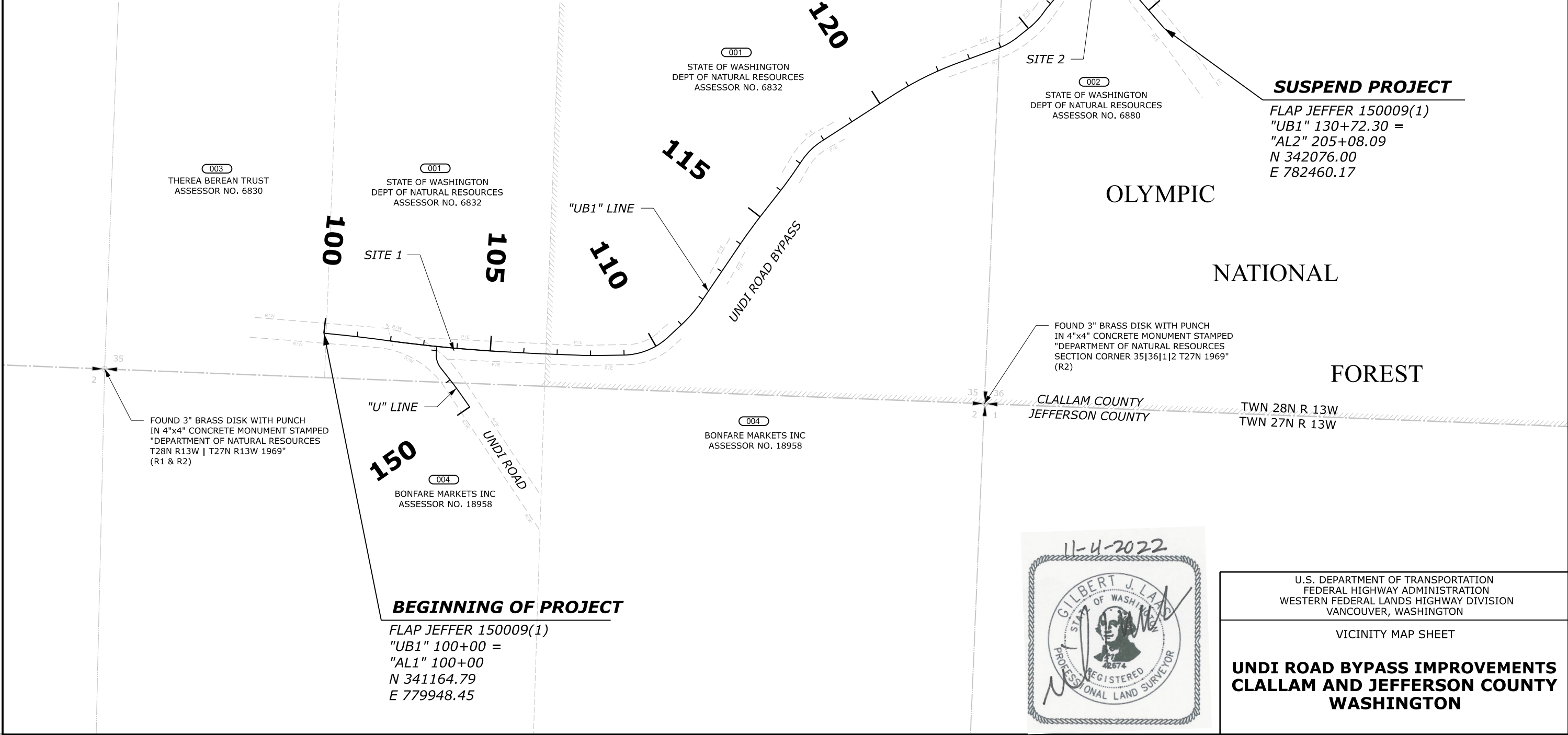
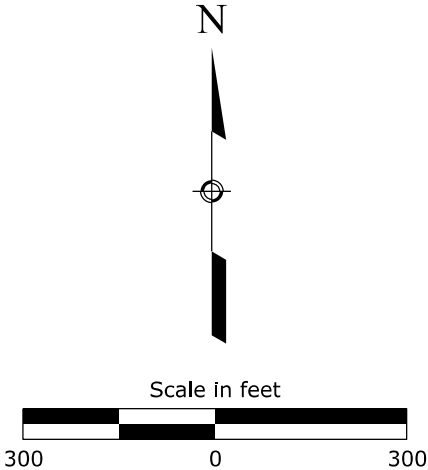
RECORDS OF JEFFERSON COUNTY, WASHINGTON

- VOLUME 5, PAGE 112 OF SURVEYS
- VOLUME 37, PAGE 419 OF SURVEYS

RECORDS OF CLALLAM COUNTY, WASHINGTON

- VOLUME 7, PAGE 2 OF PLATS
- VOLUME 78, PAGE 98 OF SURVEYS, AF# 2016-1336788

STATE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WA	FLAP JEFFER 150009(1)	5	9



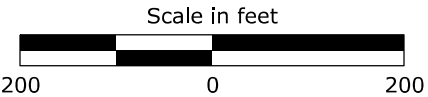
U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION  
VANCOUVER, WASHINGTON

VICINITY MAP SHEET

**UNDI ROAD BYPASS IMPROVEMENTS  
CLALLAM AND JEFFERSON COUNTY  
WASHINGTON**



STATE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WA	FLAP JEFFER 150009(1)	6	9



OLYMPIC  
NATIONAL  
FOREST

**RESUME PROJECT**

FLAP JEFFER 150009(1)  
"UB3" 300+49.74 =  
"AL3" 49+00.00  
N 339413.84  
E 786787.18

FOUND 3" BRASS DISC SET IN  
4"x4" CONC. POST STAMPED  
"DEPARTMENT OF NATURAL  
RESOURCES, T23N, R13W/R12W 1971"

36 31  
1 6

SEC. 01: NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>  
SEC. 01: SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>

SEC. 01: NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>  
SEC. 01: SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>

005  
JLCG LLC  
ASSESSOR NO. 18946

005  
JLCG LLC  
ASSESSOR NO. 18946

006  
MICHAEL & GAIL BRANDEBERRY  
REVOCABLE LIVING TRUST  
ASSESSOR NO. 18939

007  
JEFFREY C KLINGSEISEN  
ASSESSOR NO. 18933

**END OF PROJECT**

FLAP JEFFER 150009(1)  
"UB3" 306+70.02 =  
"AL3" 55+20.40  
N 338947.28  
E 786384.71

UNDI ROAD BYPASS

"UB3" LINE

UNDI ROAD



U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION  
VANCOUVER, WASHINGTON

VICINITY MAP SHEET

**UNDI ROAD BYPASS IMPROVEMENTS  
JEFFERSON COUNTY  
WASHINGTON**

STATE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WA	FLAP JEFFER 150009(1)	7	9

003  
THEREA BEREAN TRUST  
ASSESSOR NO. 6830

001  
STATE OF WASHINGTON  
DEPT OF NATURAL RESOURCES  
ASSESSOR NO. 6832

101  
102  
103  
104  
105

**BEGINNING OF PROJECT**

FLAP JEFFER 150009(1)  
"UB1" 100+00 =  
"AL1" 100+00  
N 341164.79  
E 779948.45

L = 134.17"  
R = 4360.00"  
Δ = 1°45'47"

"AL1" 102+28.95  
31.18' Lt

L = 48.07"  
R = 330.00"  
Δ = 8°20'44"

SLOPE EASEMENT (0.07 ACRE)

"AL1" 104+51.41  
43.00' Lt

S02°45'11"W  
15.00'

POE: "AL1" 105+63.97  
N: 341108.01  
E: 779948.45

PC: "AL1" 100+57.04  
S83°59'15"E  
57.04'

PRC: "AL1" 101+91.21

S87°14'49"E  
220.86'

PT: "AL1" 105+32.27

S86°42'23"E  
31.70'

N80°43'12"E  
664.18'

T28N R13W  
T27N R13W

CLALLAM CO  
JEFFERSON CO

L = 341.06"  
R = 4360.00"  
Δ = 4°28'55"

60' R.O.W CENTERED OVER AS-BUILT  
CENTERLINE OF ASPHALT ROAD PER DEED  
VOLUME 81 OF DEEDS PAGE 368 OF  
CLALLAM COUTNY RECORDS

004  
BONFARE MARKETS INC  
ASSESSOR NO. 18958

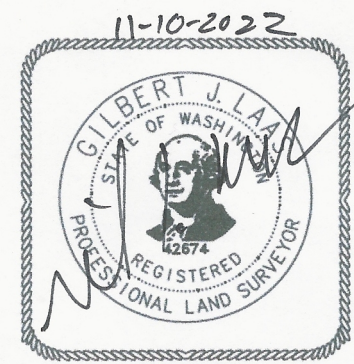
UNDI ROAD BYPASS

60' WIDE EASEMENT OVER  
EXISTING CENTERLINE OF ROAD  
PER A.F. NO. 20161337720

60' WIDE EASEMENT OVER  
EXISTING CENTERLINE OF ROAD  
PER A.F. NO. 20161337720

004  
BONFARE MARKETS INC  
ASSESSOR NO. 18958

N



**BASIS OF BEARING**  
THE BASIS OF BEARING IS THE OBSERVED MONUMENTED SOUTH LINE OF  
THE SOUTHEAST QUARTER OF SECTION 35, BEING SOUTH 87°44'23" EAST.

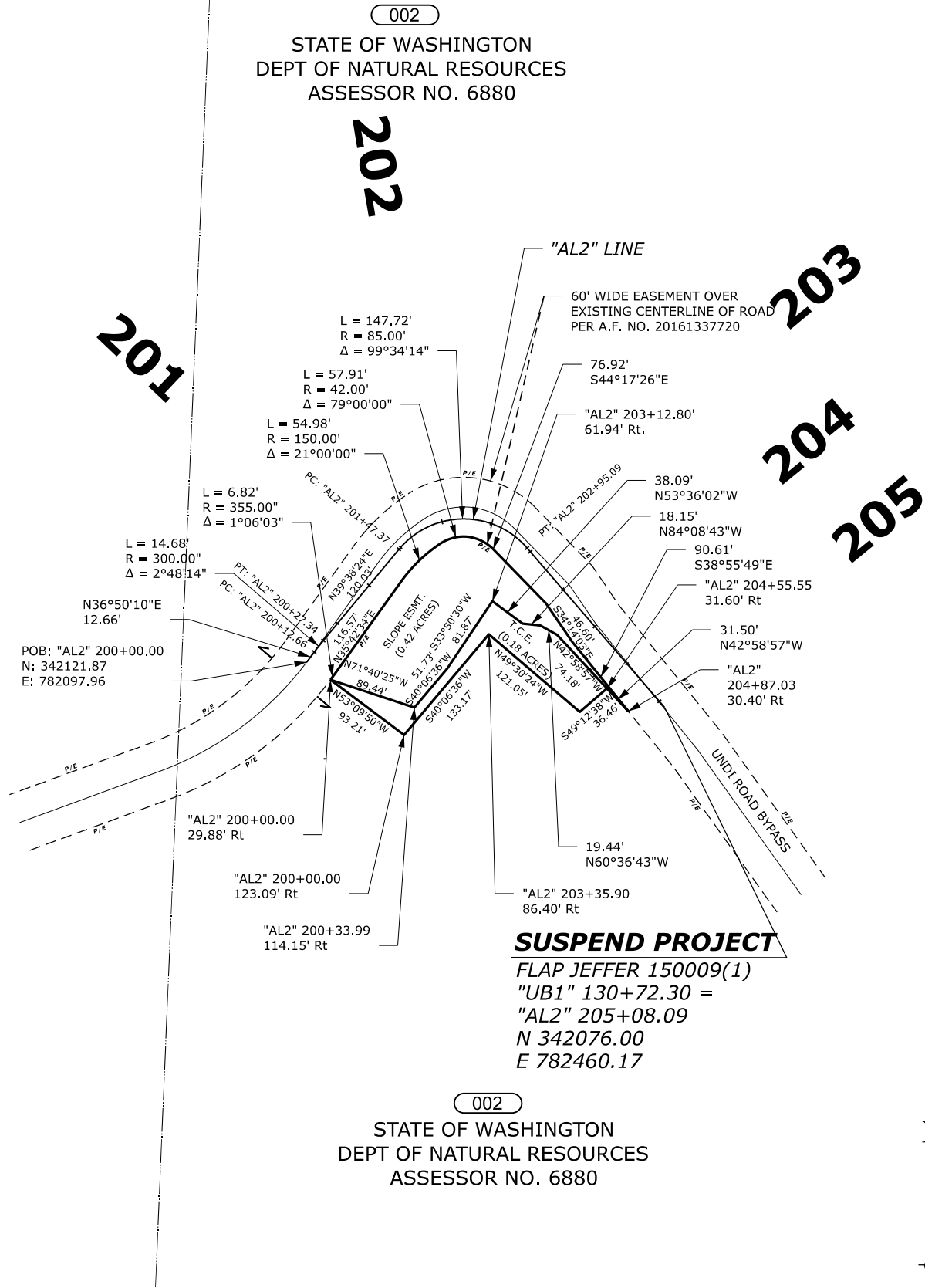
PARCEL NUMBER	TITLE OWNER OR PURCHASER	TOTAL OWNERSHIP Acres	EXISTING R.O.W. Acres	SLOPE EASEMENT TO BE ACQUIRED Acres	REMAINDER Acres	TEMPORARY CONSTRUCTION EASEMENT Acres
001	STATE OF WASHINGTON DEPT OF NATURAL RESOURCES	19.20	---	0.07	19.20	---
003	THEREA BEREAN TRUST	69.49	---	---	69.49	---
004	BONFARE MARKETS INC	20.25	---	---	20.25	---

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION  
VANCOUVER, WASHINGTON

RIGHT OF WAY PLANS

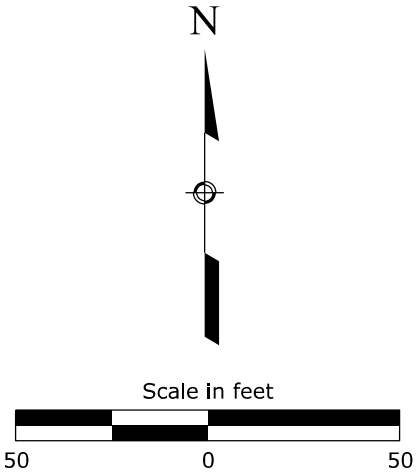
**UNDI ROAD BYPASS IMPROVEMENTS  
CLALLAM AND JEFFERSON COUNTY  
WASHINGTON**

STATE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WA	FLAP JEFFER 150009(1)	8	9



BASIS OF BEARING  
THE BASIS OF BEARING IS THE OBSERVED MONUMENTED SOUTH LINE OF  
THE SOUTHEAST QUARTER OF SECTION 35, BEING SOUTH 87°44'23" EAST.

PARCEL NUMBER	TITLE OWNER OR PURCHASER	TOTAL OWNERSHIP Acres	EXISTING R.O.W. Acres	SLOPE EASEMENT TO BE ACQUIRED Acres	REMAINDER Acres	TEMPORARY CONSTRUCTION EASEMENT Acres
002	STATE OF WASHINGTON DEPT OF NATURAL RESOURCES	628.16	---	0.42	628.16	0.18



U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION  
VANCOUVER, WASHINGTON

RIGHT OF WAY PLANS  
**UNDI ROAD BYPASS IMPROVEMENTS  
CLALLAM AND JEFFERSON COUNTY  
WASHINGTON**



STATE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WA	FLAP JEFFER 150009(1)	9	9

PARCEL NUMBER	TITLE OWNER OR PURCHASER	TOTAL OWNERSHIP Acres	EXISTING R.O.W. Acres	SLOPE EASEMENT TO BE ACQUIRED Acres	REMAINDER Acres	TEMPORARY CONSTRUCTION EASEMENT
005	JLCG LLC	134.36 ACRES	---	---	134.36 ACRES	---
006	MICHAEL & GAIL BRANDEBERRY REVOCABLE LIVING TRUST	15.85 ACRES	---	---	15.85 ACRES	---
007	JEFFERY C KLINGSEISEN	4.00 ACRES	---	---	4.00 ACRES	---

NE 1/4 NE 1/4  
SE 1/4 NE 1/4

50

51

52

53

54

55

**RESUME PROJECT**

FLAP JEFFER 150009(1)  
"UB3" 300+49.74 =  
"AL3" 49+00.00  
N 339413.84  
E 786787.18

EASEMENT RECORDED IN AUDITOR'S FILE NO. 600902  
"UNDI ROAD RELOCATION, COUNTY ROAD 150009, STATION  
10+86.89 TO 54+98" PLANSET DATED 07/21/2016  
(COUNTY PROJECT NO. 18020070)

005

JLCG LLC  
ASSESSOR NO. 18946

L = 20.09'  
R = 65.00'  
Δ = 17°42'23"

"AL3" 51+75.00  
40.00L

"AL3" 51+75.00  
30.00L

005

JLCG LLC  
ASSESSOR NO. 18946

PC: "AL3" 52+54.23  
PT: "AL3" 52+74.32

S51°13'24"W  
246.07'

40' WIDE R.O.W. PER  
VOLUME 38, PAGE 219,  
RECORDS OF JEFFERSON COUNTY

QUITCLAIM DEED PER VOLUME 1  
OF LAND WAIVERS, PAGE 596,  
RECORDS OF JEFFERSON COUNTY

006

MICHAEL & GAIL BRANDEBERRY  
REVOCABLE LIVING TRUST  
ASSESSOR NO. 18939

**END PROJECT**

FLAP JEFFER150009(1)  
"UB3" 306+70.02 =  
"AL3" 55+20.40  
N 338947.28  
E 786384.71

007

JEFFREY C KLINGSEISEN  
ASSESSOR NO. 18933



N

Scale in feet



U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
WESTERN FEDERAL LANDS HIGHWAY DIVISION  
VANCOUVER, WASHINGTON

RIGHT OF WAY PLANS

**UNDI ROAD BYPASS IMPROVEMENTS  
CLALLAM AND JEFFERSON COUNTY  
WASHINGTON**