

1:20-03 P:\pwp:\SUS03036343.wsatkins.com:ATK\NAC001\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets\A-Gen_sht\TTL(MAIN) CA FTNP FOPO 110(1) & GOGA 205(1).dgn
7/20/2020

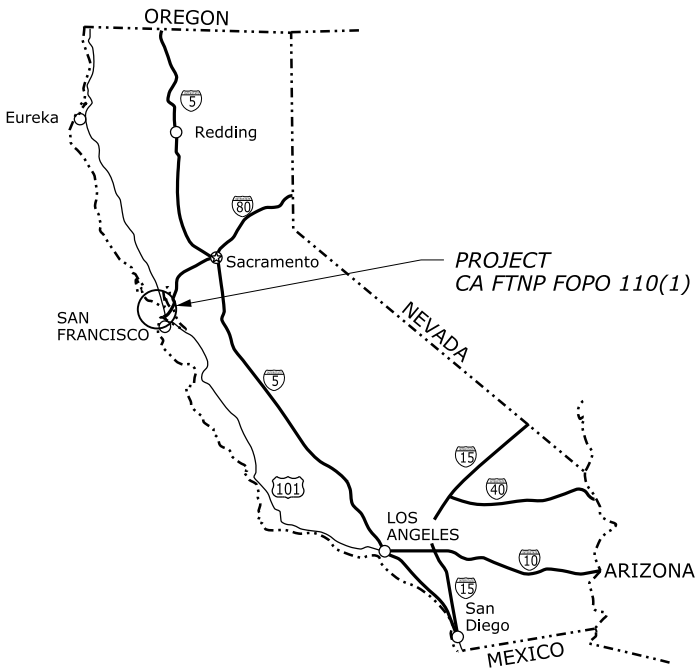
STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	A1

U.S. DEPARTMENT OF THE INTERIOR NATIONAL PARK SERVICE

PLANS FOR PROPOSED

CA FTNP FOPO 110(1) & GOGA 205(1) CHINA BEACH, FORT FUNSTON, LONG AVENUE, STINSON BEACH, AND TENNESSEE VALLEY

SHEET INDEX ON SHEET A2



KEY MAP OF CALIFORNIA

TYPE OF CONSTRUCTION:
Road reconstruction, parking lot construction,
retaining wall construction.

DESIGN DESIGNATIONS:
ADT (20xx) ----- N/A
ADT (20xx) ----- N/A
DHV ----- N/A
D ----- N/A
T ----- 5%
V ----- 15 MPH
e(max) ----- 6%

U.S. CUSTOMARY DIMENSIONS:
Slopes are expressed as RISE:RUN

SPECIFICATIONS:
"STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS
AND BRIDGES ON FEDERAL HIGHWAY PROJECTS, FP-14"



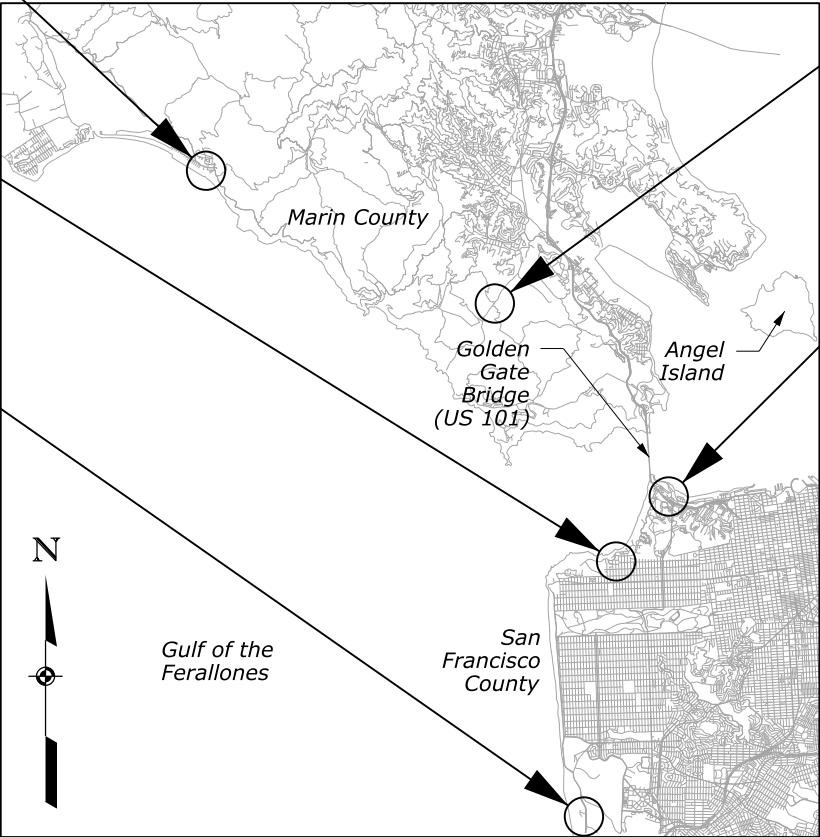
**PRELIMINARY 30%
JULY 20, 2020
NOT FOR CONSTRUCTION**

Stinson Beach Parking
CA FTNP FOPO 110(1)
& GOGA 205(1)

China Beach
CA FTNP FOPO 110(1)
& GOGA 205(1)

Fort Funston Parking
CA FTNP FOPO 110(1)
& GOGA 205(1)

NPS PMIS NO. XXXXX
GOLDEN GATE NATIONAL RECREATION AREA
MARIN COUNTY / SAN FRANCISCO COUNTY
CHINA BEACH, Parking Lot
FORT FUNSTON, 0.24 miles, Parking Lot
LONG AVENUE, 0.19 miles
STINSON BEACH, 0.31 miles, Parking Lot
TENNESSEE VALLEY, Parking Lot



0 4 mi 8 mi
Scale in Miles

Tennessee Valley Parking
CA FTNP FOPO 110(1)
& GOGA 205(1)

Long Avenue
CA FTNP FOPO 110(1)
& GOGA 205(1)

PLANS PREPARED BY:

ATKINS
Member of the SNC-Lavalin Group

RECOMMENDED:

CHIEF OF ENGINEERING
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

APPROVED:

SUPERINTENDENT, GOLDEN GATE NATIONAL RECREATION AREA

DATE: _____

DATE: _____

PROJECT MANAGER	LEAD DESIGNER
Matt Amborziak	ATKINS

7/20/2020 1:20:07 PM\\pww:\SUSD036343_wsatkins.com:ATK\\MAC001\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets\A-Gen_sht\SYM(MAIN) CA FTNP FOPO 110(1) & GOGA 205(1).dgn

ABBREVIATIONS

C	centerline
Δ	curve delta
$\emptyset$	diameter
A	abut.
ADT	average daily traffic
aggr.	aggregate
AH	ahead
alt.	alternate
appr.	approach
asph.	asphalt
B	b.f.
beg.	beginning, begin
BK	back
BM	bench mark
BP	balance point
br.	bridge
brg.	bearing
C	CBC
c-c	center to center
clr.	clear
CMP	corrugated metal pipe
Co.	county
col.	column
conc.	concrete
constr.	construction
constr. jt.	construction joint
cont.	continuous
corr.	corrugated
cr.	creek
CS	point of curve to spiral
ctrs.	centers
CTSM	contingent sum
culv.	culvert
D	decr.
DHV	design hour volume
DI	drop inlet
dia. or D	diameter
diag.	diagonal
diaph.	diaphragm
dist.	distance
Dist.	district
DLC	donation land claim
dwg(s).	drawing(s)
E	E
e	superelevation rate
El. 94.066	elevation with number
elev.	elevation
emb.	embankment
enrg(s).	Engineer(s)
EOP	edge of pavement
EQ or eq.	equation
ER	edge of road
et al	and others
et ux	and wife
EW	edge of water
exc.	excavation
exp. jt.	expansion joint
ext.	exterior
F	f.f.
Fed.	federal
FES	flared end section
fin.	finish
ftg.	footing
G	ga.
galv.	gauge (gauge)
gdr.	galvanized
gdr.	girder
H	hdwl.
HES	headwall
hex.	homestead entry survey
horiz.	hexagon
HW	horizontal
hwy.	high water
hwy.	highway
I	ID
incl.	inside diameter
incr.	inclusive, including
int.	increment
int.	interior
J	jt.
jt.	joint

L	L	length of curve
	lam.	lamination
	lat.	latitude
	long.	longitudinal
	LPSM	lump sum
	Lt. or LT	left
	LW	low water
M	mag.	magnetic
	maint.	maintenance
	matl.	material
	max.	maximum
	min.	minimum
	mon.	monument
	mtn(s).	mountain(s)
N	N	north
	NC	normal crown
	neg.	negative
	no. or #	number
O	o.c.	on centers
	o.f.	other face
	OD	outside diameter
P	PC	point of curve
	PCC	point of compound curve
	perf.	perforate
	PI	point of intersection
	pl.	plate
	POC	point on curve
	POS	point on spiral
	POT	point on tangent
	proj.	project
	psi	pounds per square inch
	PT	point of tangent
	pvm.	pavement
Q	quant., Qty	quantities
R	R	radius
	R.	range
	R/W	right-of-way
	rd.	road
	rdwy.	roadway
	reconst.	reconstruction
	reinf.	reinforcement
	reqd.	required
	res.	reservoir
	Res.	Reservation
	ret. wall	retaining wall
	RH	reference hub
	Rt. or RT	right
	rte.	route
S	S	south
	SADT	seasonal average daily traffic
	SC	point of spiral to curve
	sec.	section
	shldr.	shoulder
	spa.	spacing, Spaces or Spaced
	spec.	specification
	st.	street
	ST	point of spiral to tangent
	sta.	station
	std.	standard
	stiff.	stiffener
	str.	straight
	struc.	structural
	sym.	symmetrical
T	T	tangent length
	T.	township
	tan.	tangent
	TBM	temporary bench mark
	TCE	temporary construction easement
	transv.	transverse
	TS	point of tangent to spiral
	typ.	typical
V	V	design speed
	vert.	vertical
	vph	vehicles per hour
	VPI	vertical point of intersection
W	W	west

DRAINAGE SYMBOLS

Ditch (Existing, Proposed)

Flow Arrow

Drainage or Small Creek

Lake, Pond or Reservoir

Large Creek

Wetland

River

Spring

Bridge (Existing, Proposed)

Box Culvert (Existing, Proposed)

Pipe Culvert (Existing, Proposed)

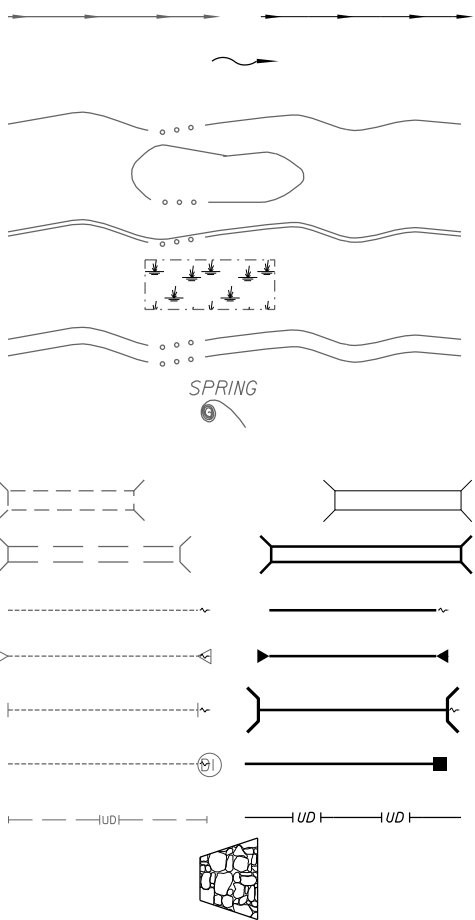
With End Sections (Existing, Proposed)

With Headwalls (Existing, Proposed)

With Drop Inlet (Existing, Proposed)

Underdrain (Existing, Proposed)

Riprap Apron (Proposed)



EROSION & SEDIMENT CONTROL SYMBOLS

Bonded Fiber Matrix Mulching

Check Dam

Diversion Berm

Rolled Erosion Control Product

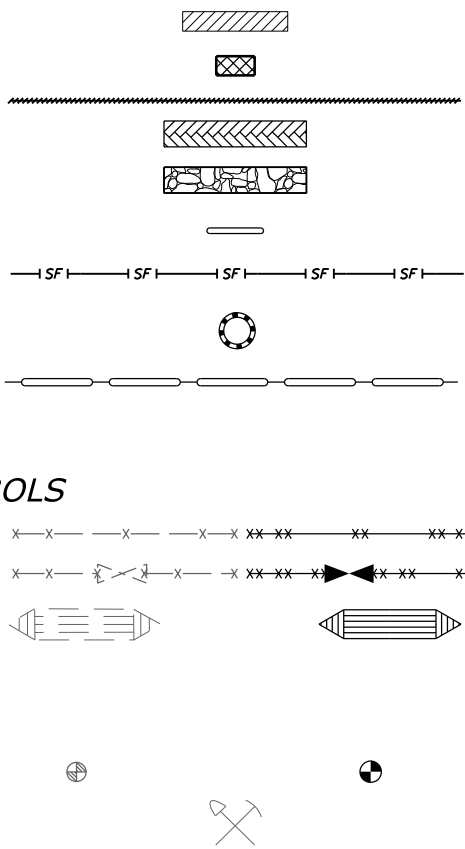
Riprap

Fiber Roll (Ditch and/or Cut Slope)

Silt Fence

Temporary Inlet Protection

Fiber Roll (Slope Protection)

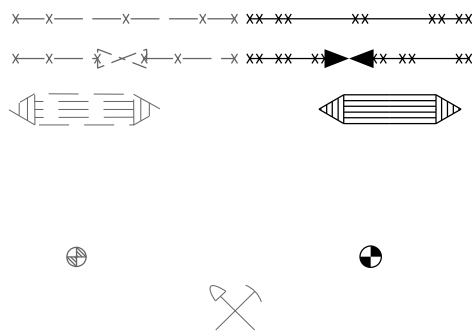


FENCE & CATTLEGUARD SYMBOLS

Fence (Existing, Proposed)

Fence w/ Gate (Existing, Proposed)

Cattleguard (Existing, Proposed)



GEOLOGIC SYMBOLS

Boring Location (Existing, Proposed)

Material Source



STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	A2

INDEX TO SHEETS	
SHEET	DESCRIPTION
A1	TITLE SHEET
A2 - A3	CONVENTIONAL PLAN SYMBOLS AND ABBREVIATIONS
A4 - A8	SURVEY CONTROL SHEETS
A9 - A19	TYPICAL SECTIONS
B1 - B4	SUMMARY OF QUANTITIES
B5	GRADING SUMMARY
B6 - B7	REMOVAL AND RESET SUMMARY
B8	DRAINAGE SUMMARY
B9	SURFACING SUMMARY
B10 - B12	MISCELLANEOUS SUMMARIES
B13	SIGNING AND STRIPING SUMMARIES
D1	CHINA BEACH SITE PLAN
D2	CHINA BEACH REMOVAL PLAN
D3	CHINA BEACH PARKING PLAN
D4	FORT FUNSTON SITE PLAN
D5 - D8	FORT FUNSTON REMOVAL PLAN
D9 - D10	FORT FUNSTON SUB-SURFACE REMOVAL PLAN
D11 - D13	FORT FUNSTON PLAN AND PROFILE
D14 - D16	FORT FUNSTON PARKING PLAN
D17	LONG AVENUE SITE PLAN
D18	LONG AVENUE REMOVAL PLAN
D19 - D20	LONG AVENUE PLAN AND PROFILE
D21 - D22	LONG AVENUE INTERSECTION DETAILS
D23	STINSON BEACH SITE PLAN
D24 - D29	STINSON BEACH REMOVAL PLAN
D30	STINSON BEACH UTILITY PLAN
D31 - D33	STINSON BEACH PLAN AND PROFILE
D34- D36	STINSON BEACH PARKING PLAN
D37	TENNESSEE VALLEY SITE PLAN
D38	TENNESSEE VALLEY REMOVAL PLAN
D39	TENNESSEE VALLEY PARKING PLAN
E1 - E4	FORT FUNSTON GRADING AND EROSION CONTROL PLAN
E5	LONG AVENUE GRADING AND EROSION CONTROL PLAN
E6 - E13	STINSON BEACH GRADING AND EROSION CONTROL PLAN
E14	TENNESSEE VALLEY GRADING AND EROSION CONTROL PLAN
G1	DETAIL C251-51 PLACED RIPRAP BETWEEN CUT AND FILL
S1 - S10	RETAINING WALL PLANS
T1	DETAIL E609-02 CONCRETE WHEELSTOP
T2	SPECIAL 609-A CURBS
T3	SPECIAL 609-B FORD CROSSING AND CUT OFF WALLS
T4	DETAIL ET615-01 WHEELCHAIR RAMP CURB CUT
T5	DETAIL E615-05 ACCESSIBILITY RAMP CURB RETURN
T6	SPECIAL 615-A DRIVE PAD, CONCRETE
T7	SPECIAL 615-B CURB CUT DETAIL
T8	DETAIL C617-20 MGS AND G4 W-BEAM GUARDRAIL TYPE TANGENT TERMINAL AND GRADING
T9	DETAIL C617-31 MGS W-BEAM GUARDRAIL WOOD POSTS
T10	DETAIL C617-39 G4 TO MGS W-BEAM GUARDRAIL TRANSITION
T11	SPECIAL 618-A CALTRANS CONCRETE BARRIER TYPE 60M
T12	DETAIL E619-06 METAL GATE 30 FT
T13	SPECIAL 633-A FLAT-TOPPED SPEED TABLE / HUMPS
T14	DETAIL E634-05 PAVEMENT MARKING AND SIGNING IN PARKING AREAS
T15	DETAIL C634-50 CENTERLINE STRIPING AND TOP LIFT PAVEMENT JOINT
T16	SPECIAL 634-A PAVEMENT MARKINGS SYMBOLS AND WORDS
T17	STANDARD 635-1 TEMPORARY TRAFFIC CONTROL ADVANCE SIGNING
T18	STANDARD 635-2 TEMPORARY PAVEMENT MARKINGS
T19	STANDARD 635-6 TEMPORARY TRAFFIC CONTROL SINGLE LANE CLOSURE (WITH FLAGGERS)
T20	STANDARD 635-9 TEMPORARY TRAFFIC CONTROL SINGLE LANE CLOSURE (WITH SIGNALS)
T21	STANDARD 635-13 TEMPORARY TRAFFIC CONTROL SINGLE LANE CLOSURE LAYOUT (WITH TEMPORARY BARRIER)
T22	STANDARD 635-14 TEMPORARY TRAFFIC CONTROL SIGN INSTALLATION WOOD POSTS
X1 - X6	FORT FUNSTON CROSS-SECTIONS
X7 - X11	LONG AVENUE CROSS-SECTIONS
X12 - X15	STINSON BEACH CROSS-SECTIONS

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

CONVENTIONAL PLAN
SYMBOLS AND ABBREVIATIONS

7/20/2020 1:20:08 PM p:\p\w:\SUSDD036343.wsatkins.com:ATK\MAC001\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets\A-Gen_sht\SYM(MAIN) CA FTNP FOPO 110(1) & GOGA 205(1).dgn

LANDSCAPING & VEGETATION SYMBOLS

Tree

Treeline

Building (Existing, Proposed)

Coordinate Grid Tick

North Arrow

Railroad

Single Track

Double Track

Spot Elevation

Trail

Survey Control Point

RIGHT-OF-WAY SYMBOLS

Boundaries

National

State

County

City

Township or Range Line

Section

1/4 Section

1/16 Section

Bureau of Indian Affairs

Bureau of Land Management

National Forest

National Park

National Wildlife Refuge

Easements

Permanent (Existing)

Permanent (Proposed)

Temporary (Proposed)

Monument (As described)

Parcel Number

Property Line

Right-of-Way Line (Existing)

Right-of-Way Line (Proposed)

Section Corner (Found, Projected)



1/4 Section Corner (Found, Projected)



1/16 Section Corner (Found)



GUARDRAIL, BARRIER & WALL SYMBOLS

Guardrail (Existing, Proposed)

Guardwall (Existing, Proposed)

Median & Side Barrier (Existing, Proposed)

Retaining Wall (Existing, Proposed)

ROADWAY SYMBOLS

Clearing/Construction Limits

Slope Stake Limits

Top of Cut

Transition

Toe of Fill

Edge of Roadway

Existing

Proposed

Roadway Centerline (With Station ticks)

Roadway Obliteration

SIGN SYMBOLS

Signs

Commercial (Existing, Proposed)

Delineator (Existing, Proposed)

Portable (Proposed)

Post Mounted (Existing, Proposed)

UTILITY SYMBOLS

Irrigation Ditch

Underground (Existing, Proposed)

Surface (Existing, Proposed)

Support Pole (Existing, Proposed)

Support Pole Anchor (Existing, Proposed)

Street Light (Existing, Proposed)

Telephone Booth (Existing, Proposed)

Telephone Pedestal (Existing, Proposed)

Underground Utility (Existing, Proposed)

CATV

Fiber Optic

Gas

Oil

Power

Sanitary Sewer

Telephone

Water

Overhead Utility Line (Existing, Proposed)

CATV

Fiber Optic

Power

Telephone

PROJECT SPECIFIC SYMBOLS

Curb and Gutter, Concrete

12-inch depth (2' pan)

Proposed Major/Minor Contours

PROJECT SPECIFIC GENERAL NOTES

1. Apply fog seal (applied to top asphalt lift) according to Section 406 and as directed by the CO.
2. Preliminary pavement recommendations per geotechnical report, Golden Gate National Recreation Area - Stinson Beach, Tennessee Valley, China Beach, Long Avenue, Ft. Funston (FHWA Project No.: CA FTNP FOPO 110(1) & GOGA 205(1), dated June 22, 2020 by Yeh&Associates

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	A3

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

CONVENTIONAL PLAN
SYMBOLS AND ABBREVIATIONS

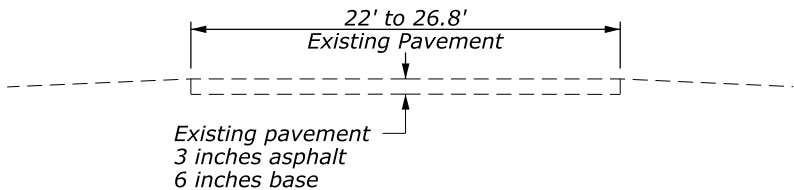
Sheet 2 of 2

7/20/2020 1:22:00 PM pw:\SUSDD036343.wsatkins.com:ATKMAC001\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets\A-Gen_sht\TYP(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_01.dgn

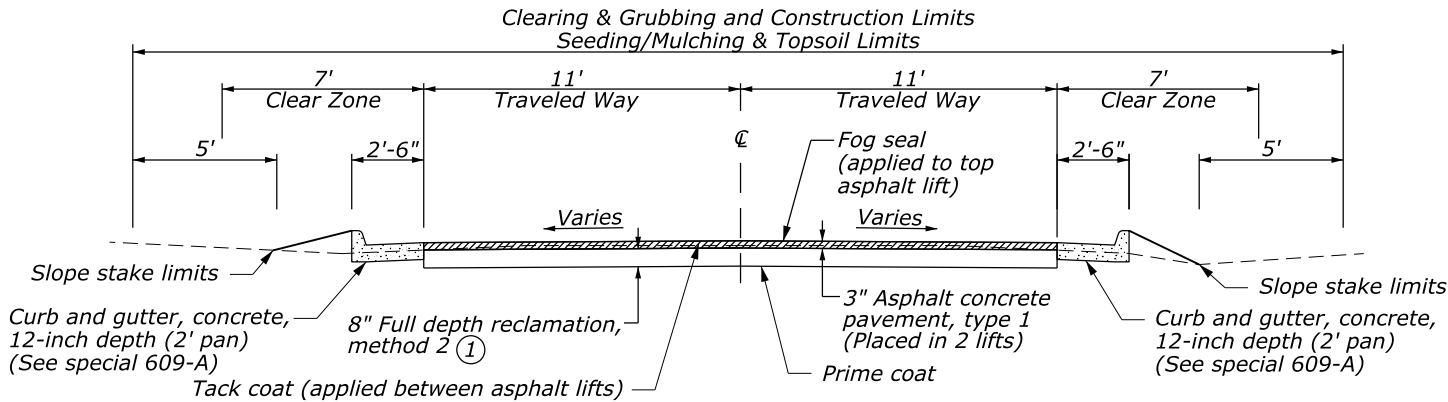
STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	A14

NOTE:

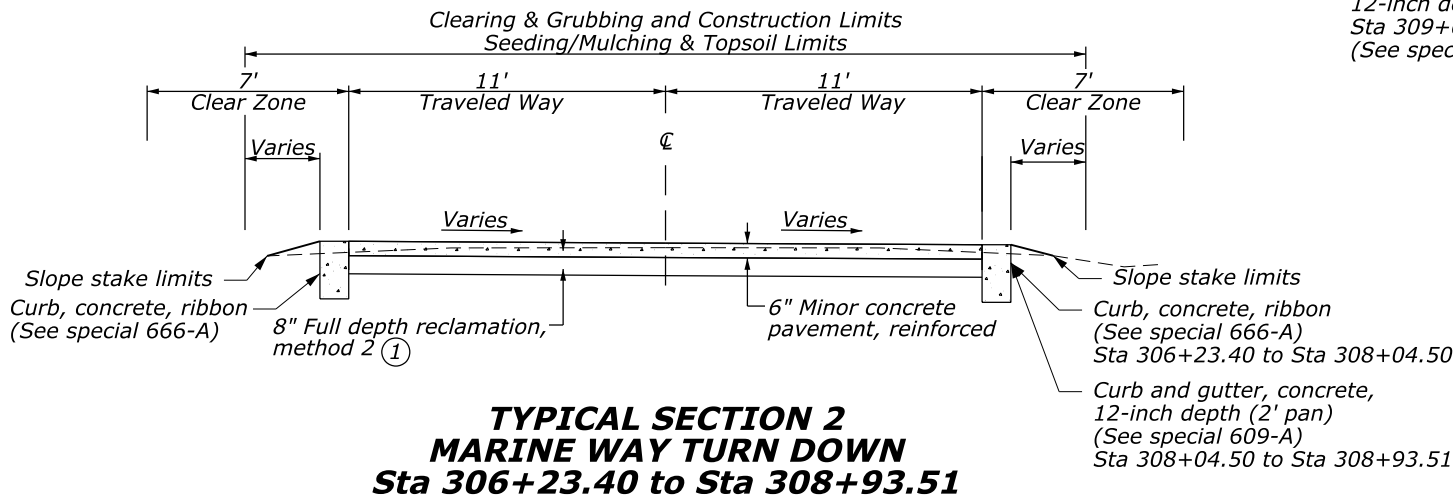
- ① For this project, full depth reclamation is 11 inches. 8 inches of full depth reclamation remains, and 3 inch full depth reclamation is used for base material in widening and parking lot adjustments.



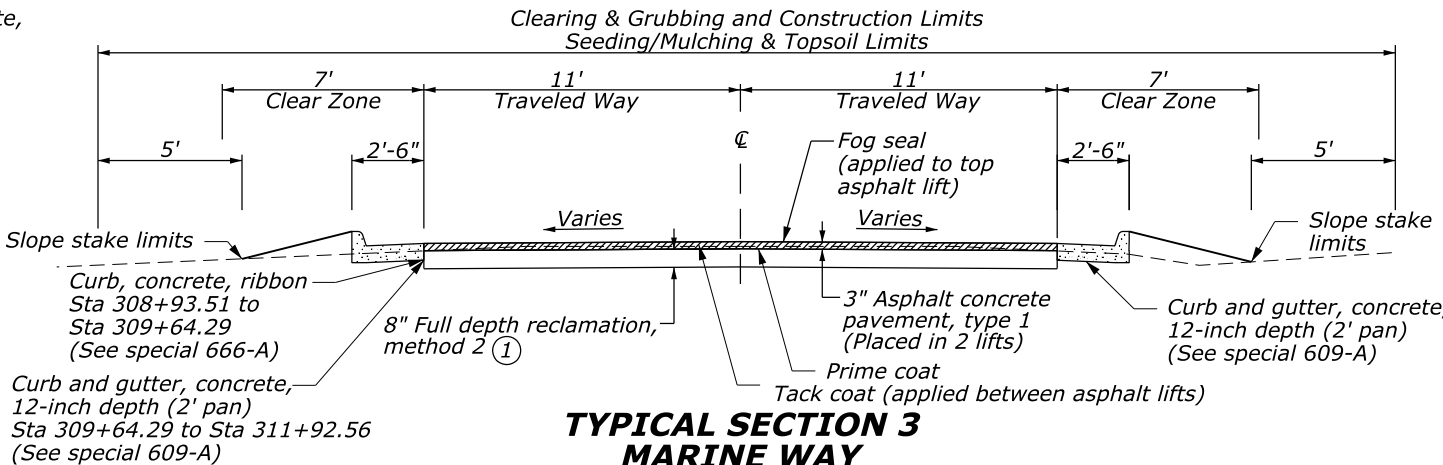
EXISTING TYPICAL SECTION
MARINE WAY



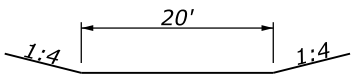
TYPICAL SECTION 1
MARINE WAY
Sta 302+60.57 to Sta 306+23.40



TYPICAL SECTION 2
MARINE WAY TURN DOWN
Sta 306+23.40 to Sta 308+93.51



TYPICAL SECTION 3
MARINE WAY
Sta 308+93.51 to Sta 311+92.56



TYPICAL SECTION
OVERFLOW CHANNEL

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

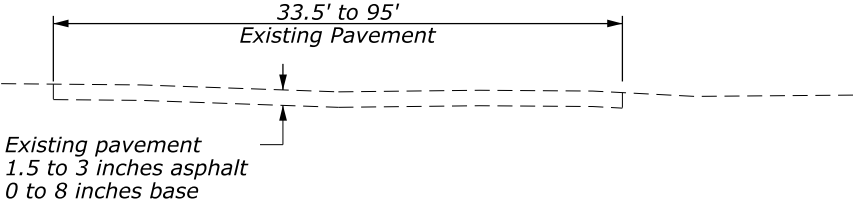
TYPICAL SECTIONS
STINSON BEACH

Sheet 1 of 3

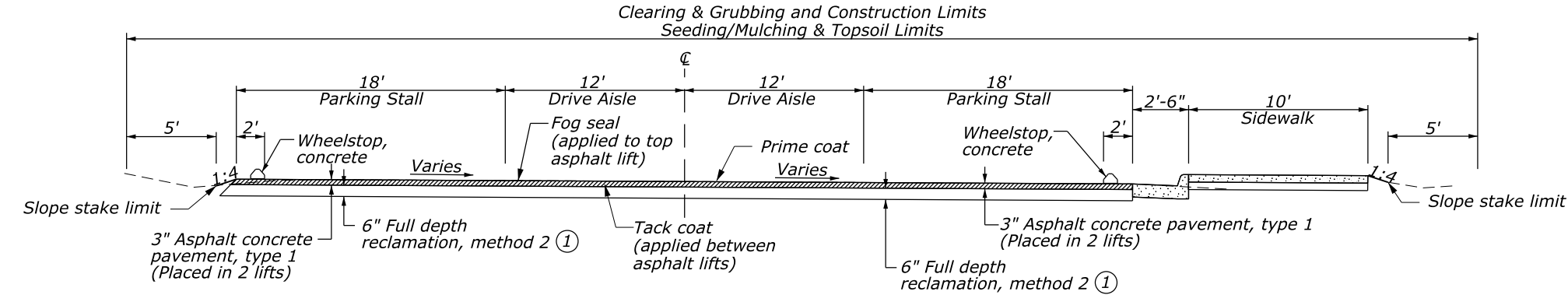
STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	A15

NOTE:

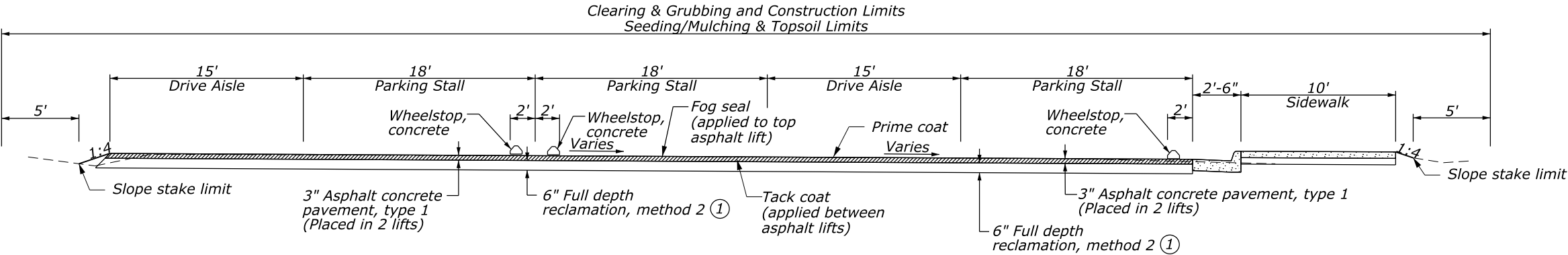
① For this project, full depth reclamation is 9 inches. 6 inches of full depth reclamation remains, and 3 inch full depth reclamation is used for base material in widening and parking lot adjustments.



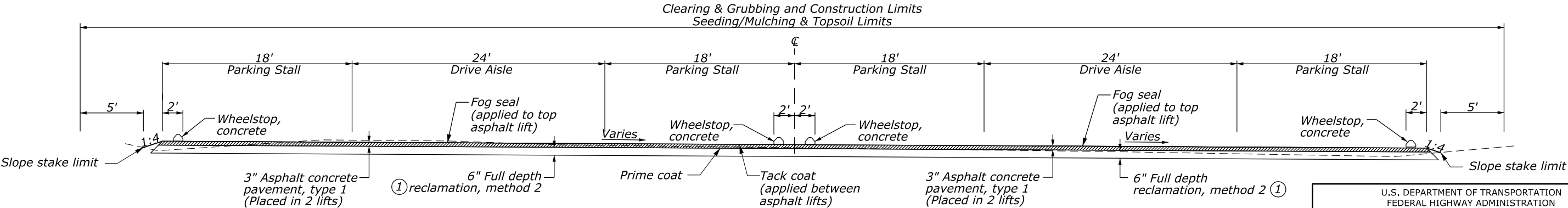
EXISTING TYPICAL SECTION
STINSON BEACH
NORTH PARKING LOT
CENTRAL PARKING LOT



TYPICAL SECTION 1
NORTH PARKING LOT



TYPICAL SECTION 2
NORTH PARKING LOT



TYPICAL SECTION 3
CENTRAL PARKING LOT

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

TYPICAL SECTIONS
STINSON BEACH

Sheet 2 of 3

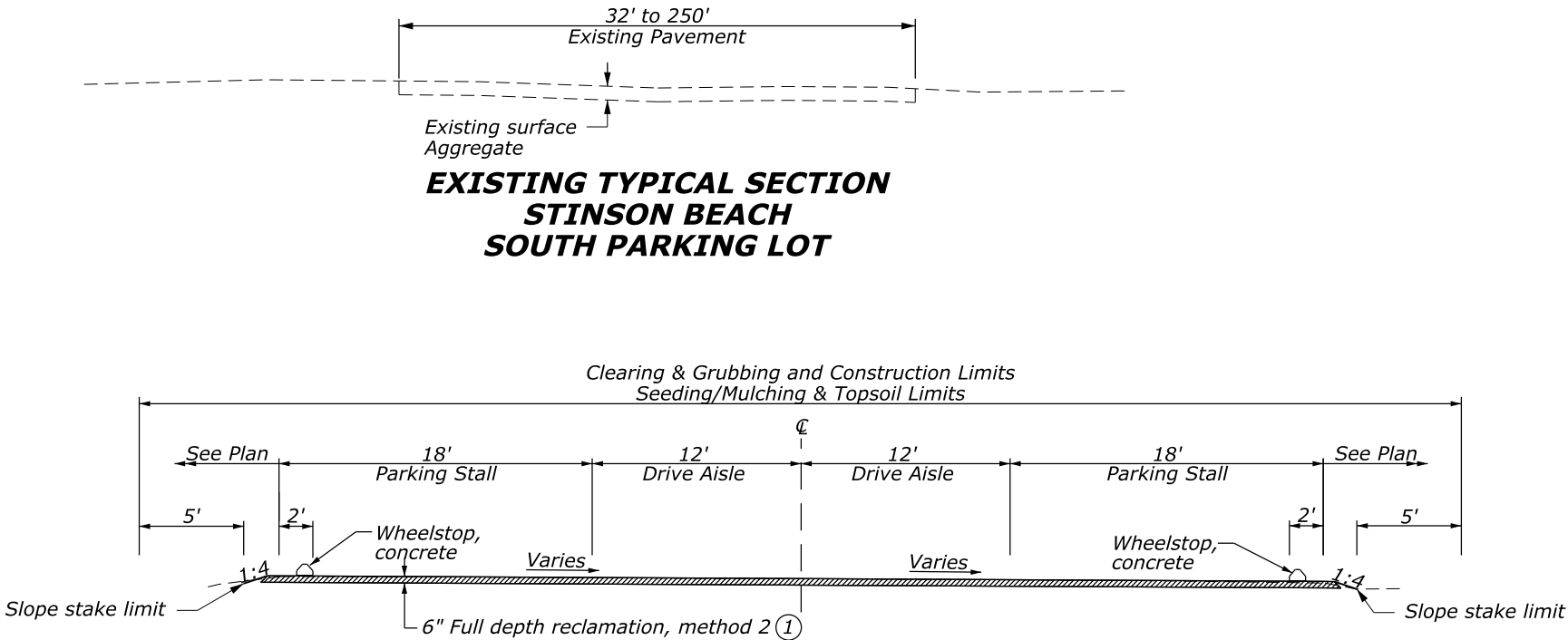
NO SCALE

7/20/2020 1:22:13 PM\\pww:\SUSD036343.vsatkins.com:ATKMAC001\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets\A-Gen_sht\TYP(STIN) CA FTNP FOPO 110(1) & GOGA 205(1).03.dgn

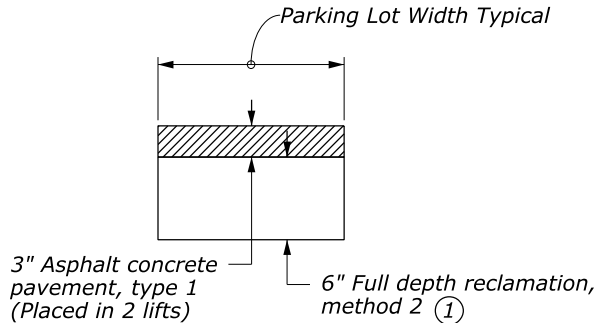
STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	A16

NOTE:

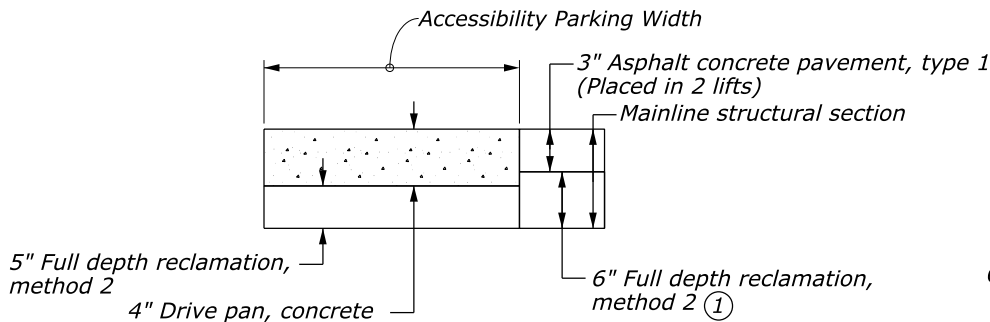
- ① For this project, full depth reclamation is 9 inches. 6 inches of full depth reclamation remains, and 3 inch full depth reclamation is used for base material in widening and parking lot adjustments.
- ② For this project, full depth reclamation is 11 inches. 8 inches of full depth reclamation remains, and 3 inch full depth reclamation is used for base material in widening and parking lot adjustments.



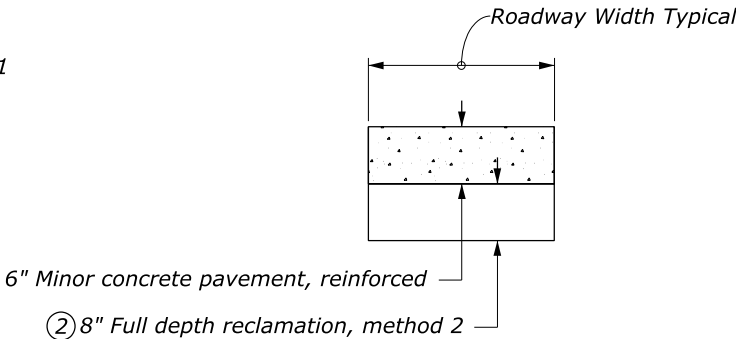
TYPICAL SECTION 4
SOUTH PARKING LOT



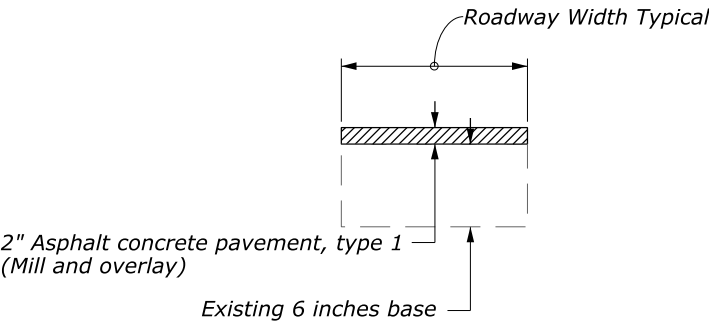
TYPICAL PAVEMENT SECTION
FULL DEPTH RECLAMATION
NORTH PARKING LOT
CENTRAL PARKING LOT



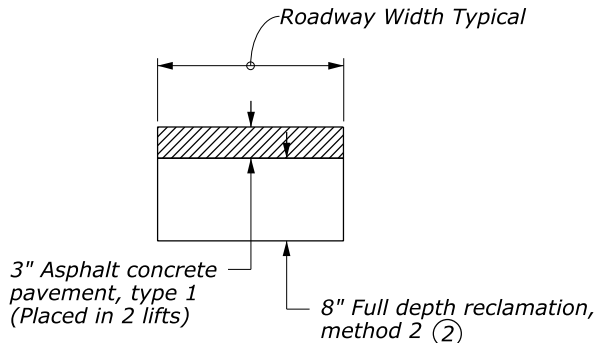
TYPICAL PAVEMENT SECTION
ACCESSIBILITY PARKING STALL



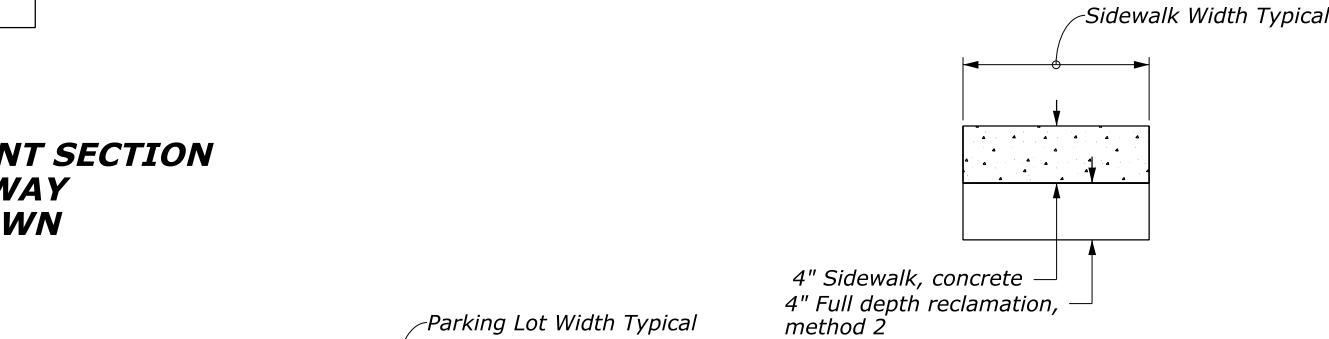
TYPICAL PAVEMENT SECTION
MARINE WAY
TURN DOWN



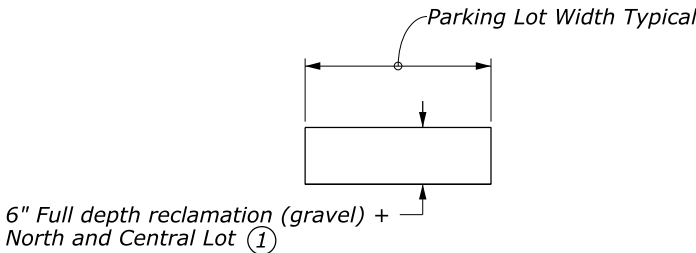
TYPICAL PAVEMENT SECTION
MILL AND OVERLAY



TYPICAL PAVEMENT SECTION
FULL DEPTH RECLAMATION
MARINE WAY



TYPICAL SECTION
SIDEWALK



TYPICAL SECTION
SOUTH PARKING LOT

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

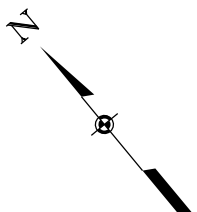
TYPICAL SECTIONS
STINSON BEACH

Sheet 3 of 3

7/20/2020 1:27:00 PM pw:\\SUSDO36343.wsatkins.com:ATKMAC001\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets\A-Gen_sht\MAP(STIN) CA FTNP FOPO 110(1) & GOGA 205(1).dgn

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	D23



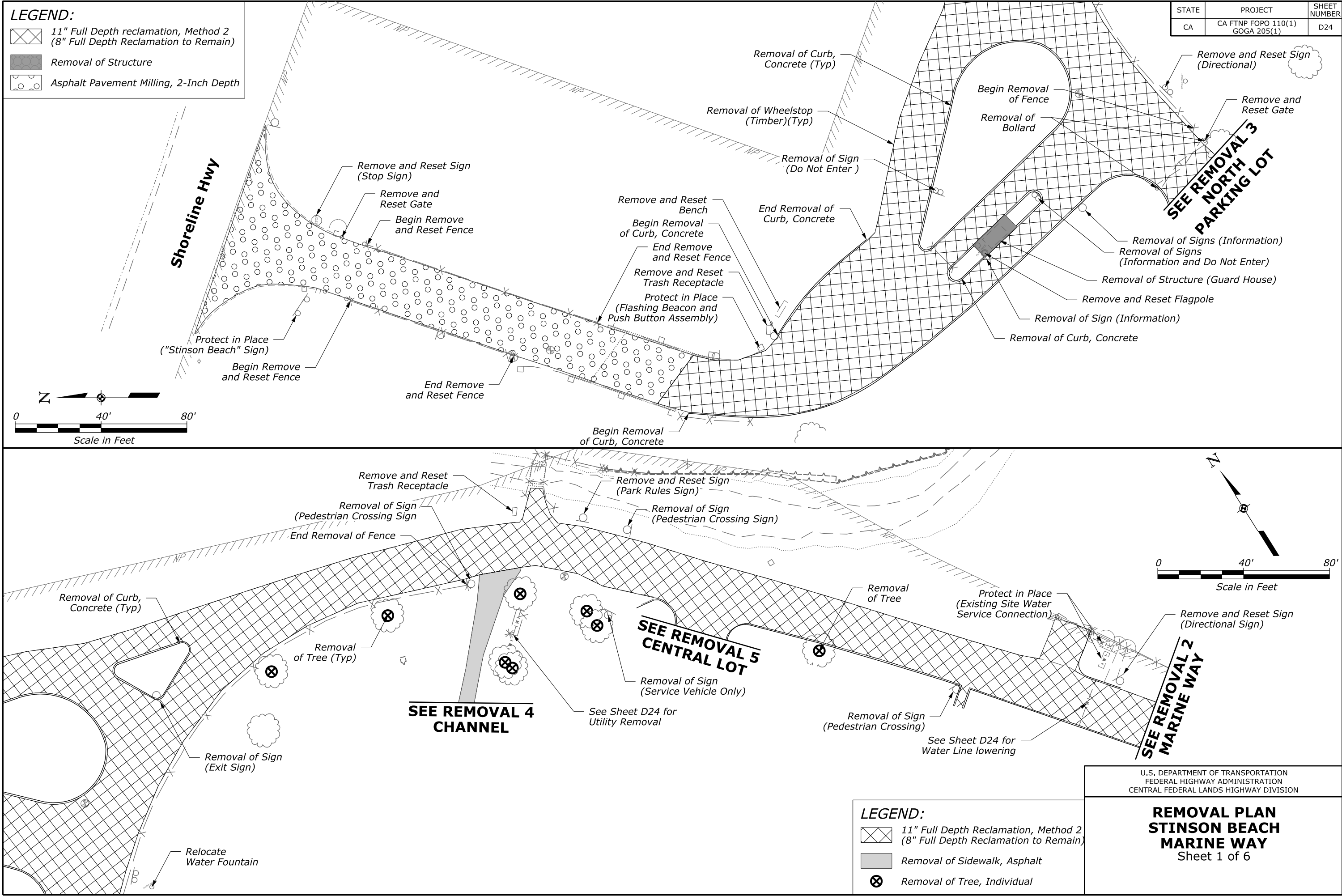



Scale in Feet

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

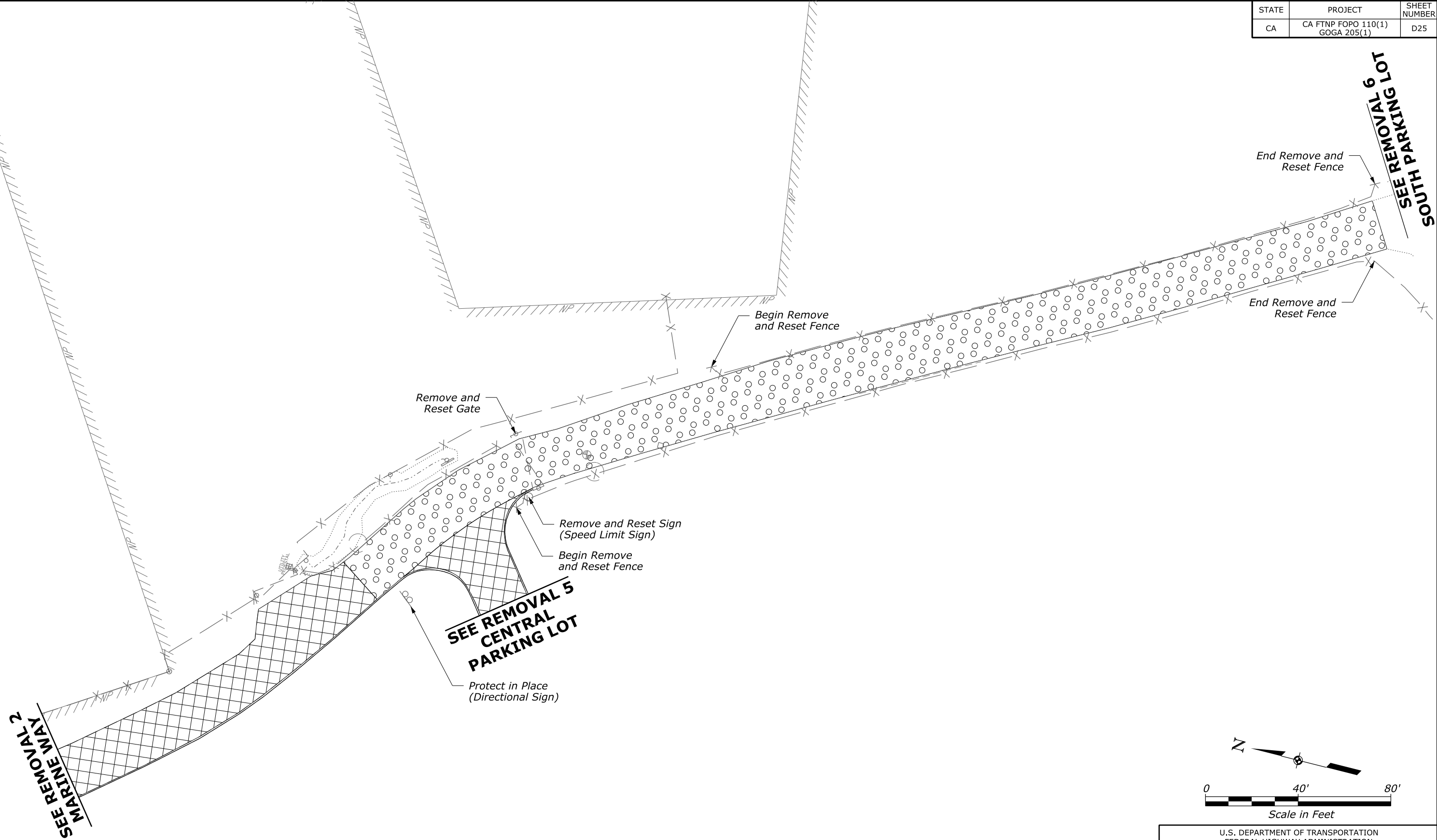
**SITE VICINITY MAP
STINSON BEACH**
Sheet 1 of 1

7/20/2020 1:27:10 PM pwpw:\\SUSD036343.wsatkins.com:ATK\\NACO01\\Documents\\Civil\\Projects\\100068733 - GOGA Parking\\Roadway\\CADD_Sheets\\D-Minor_88\\PIREM\\STIN\\CA FTNP FOPO 110(1) & GOGA 205(1)_01.dgn



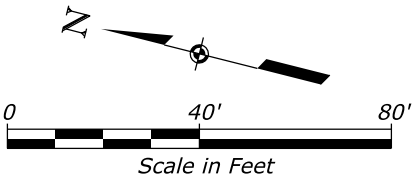
7/20/2020 1:27:19 PM pw:\\SUSD036343.wsatkins.com:ATK\\NACO01\\Documents\\Civil\\Projects\\100068733 - GOGA Parking\\Roadway\\CADD_Sheets\\D-Minor_8&PIREM(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_02.dgn

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	D25



LEGEND:

	11" Full Depth Reclamation, Method 2 (8" Full Depth Reclamation to Remain)
	Asphalt Pavement Milling, 2-Inch Depth

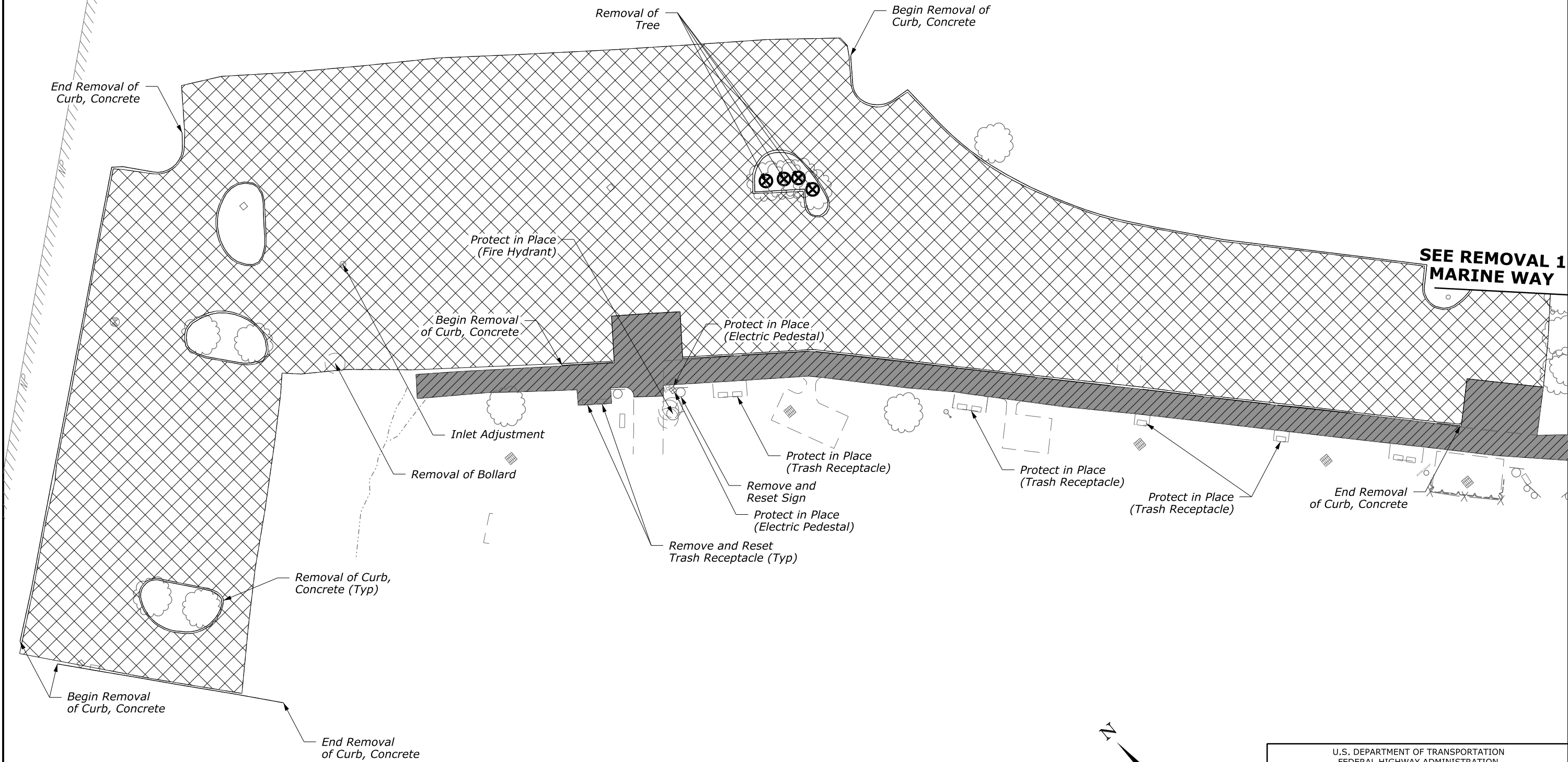


U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**REMOVAL PLAN
STINSON BEACH
MARINE WAY**
Sheet 2 of 6

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	D26

7/20/2020 1:27:29 PM pwpw:\\SUSD036343.vsatkins.com:ATK\\NACO01\\Documents\\Civil\\Projects\\100068733 - GOGA Parking\\Roadway\\CADD_Sheets\\D-Minor_P&P\\REM(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_03.dgn



LEGEND:

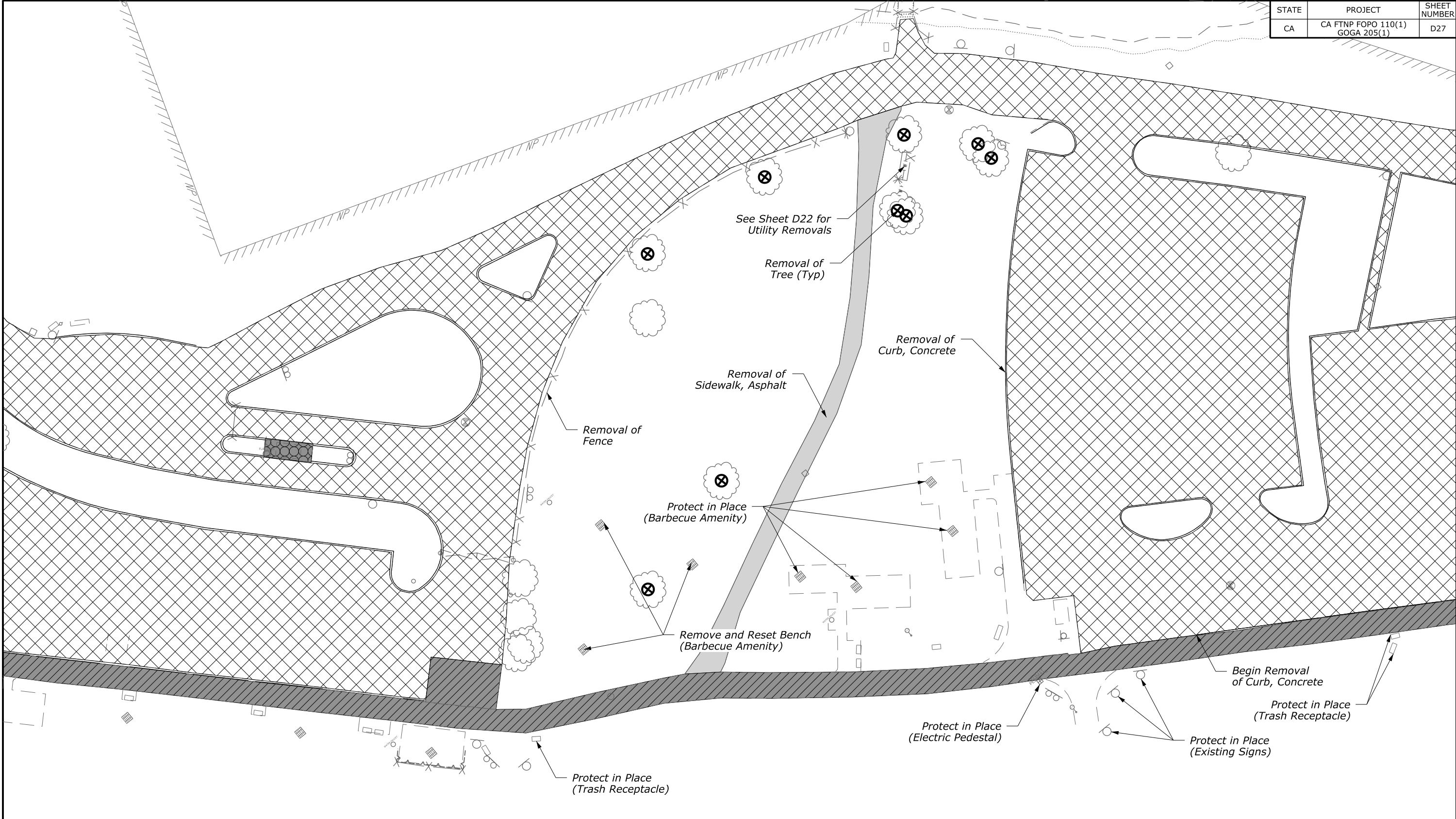
- 9" Full Depth Reclamation, Method 2 (6" Full Depth Reclamation to Remain)
- Removal of Sidewalk, Concrete
- Removal of Tree, Individual

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**REMOVAL PLAN
STINSON BEACH
NORTH PARKING LOT**
Sheet 3 of 6

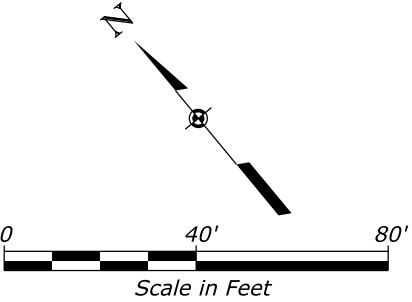
STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	D27

7/20/2020 1:27:39 PM pwp:\\SUSD036343.wsatkins.com:ATK\\NACO01\\Documents\\Civil\\Projects\\100068733 - GOGA Parking\\Roadway\\CADD_Sheets\\D-Minor_P&P\\REM(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_04.dgn



LEGEND:

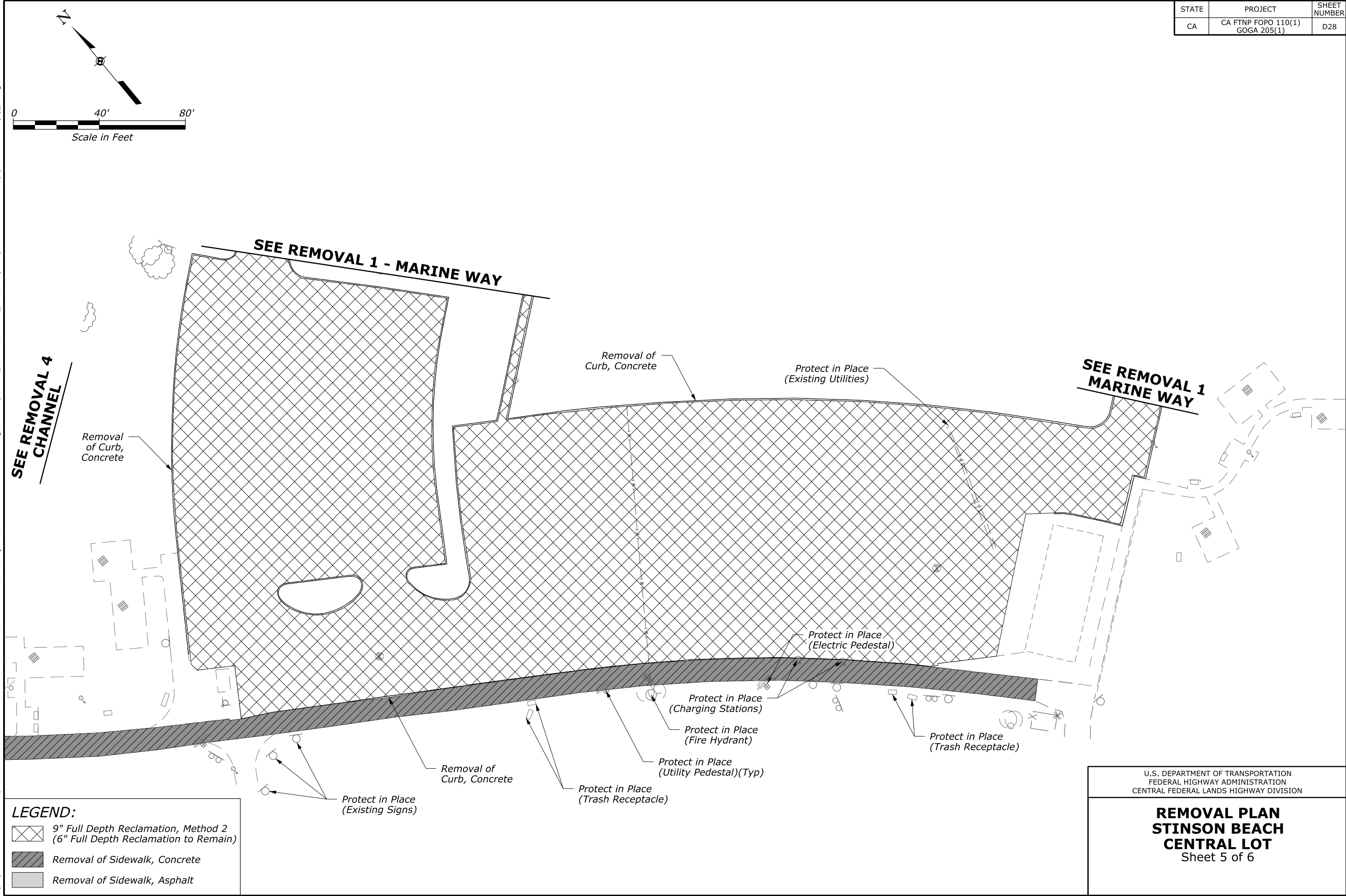
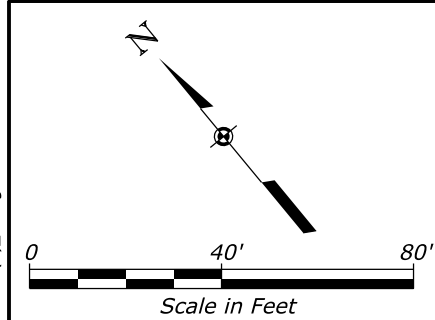
	9" Full Depth Reclamation, Method 2 (6" Full Depth Reclamation to Remain)
	Removal of Sidewalk, Concrete
	Removal of Structure
	Removal of Sidewalk, Asphalt
	Removal of Tree, Individual



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**REMOVAL PLAN
STINSON BEACH
CHANNEL**
Sheet 4 of 6

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	D28



LEGEND:

9" Full Depth Reclamation, Method 2
(6" Full Depth Reclamation to Remain)

Removal of Sidewalk, Concrete

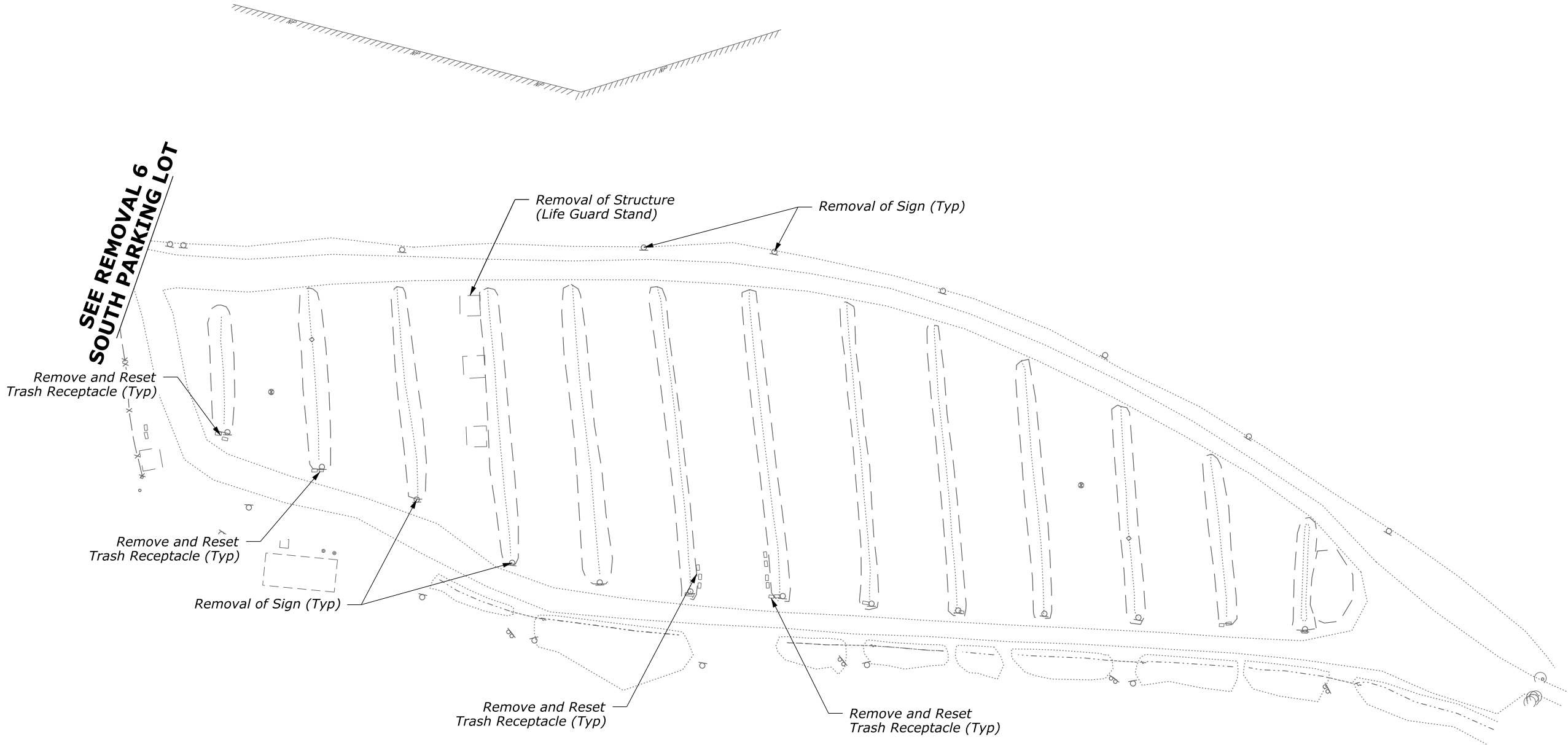
Removal of Sidewalk, Asphalt

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

REMOVAL PLAN
STINSON BEACH
CENTRAL LOT
Sheet 5 of 6

7/20/2020 1:27:48 PM p:\pw:\SUSDD036343.wsatkins.com:ATKMAC001\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets\D-Minor_P&PIREM(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_05.dgn

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	D29



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**REMOVAL PLAN
STINSON BEACH
SOUTH PARKING LOT**
Sheet 6 of 6

7/20/2020 1:28:08 PM\\pww:\SUS036343.wsatkins.com:ATK\NACO01\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets\U-Sheets\UTL(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_01.dgn

LEGEND:

- Existing Water Line
- Existing 2" Sanitary Forcemain
- Existing Electric Service Line
- Existing Backflow Preventer
- W

SS

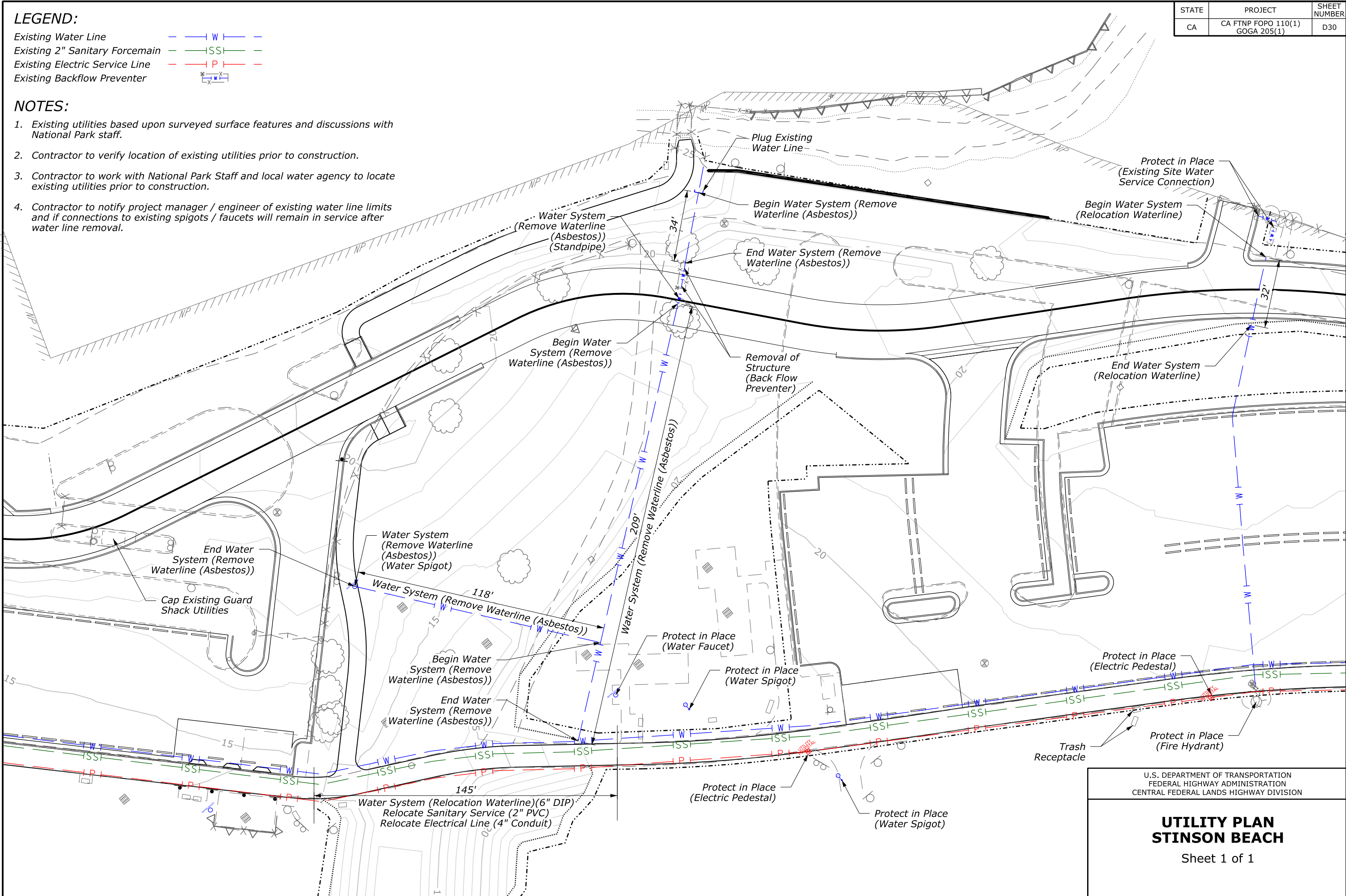
P

X

Y

NOTES:

1. Existing utilities based upon surveyed surface features and discussions with National Park staff.
2. Contractor to verify location of existing utilities prior to construction.
3. Contractor to work with National Park Staff and local water agency to locate existing utilities prior to construction.
4. Contractor to notify project manager / engineer of existing water line limits and if connections to existing spigots / faucets will remain in service after water line removal.



STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	D30

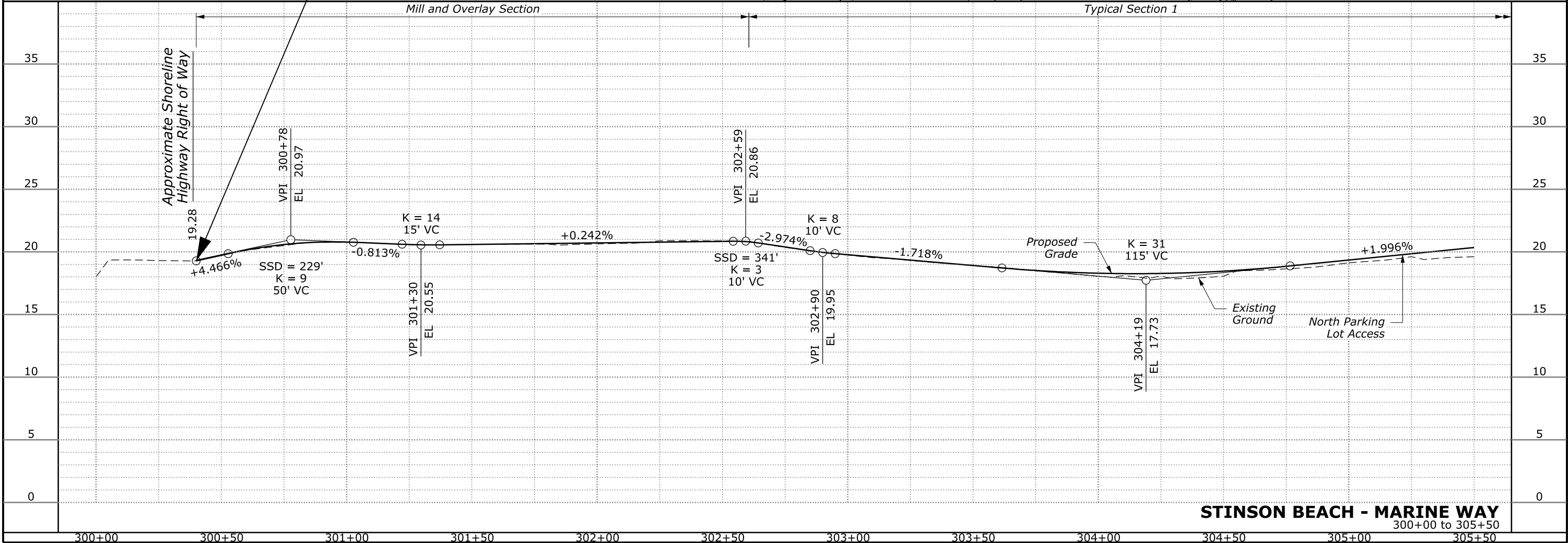
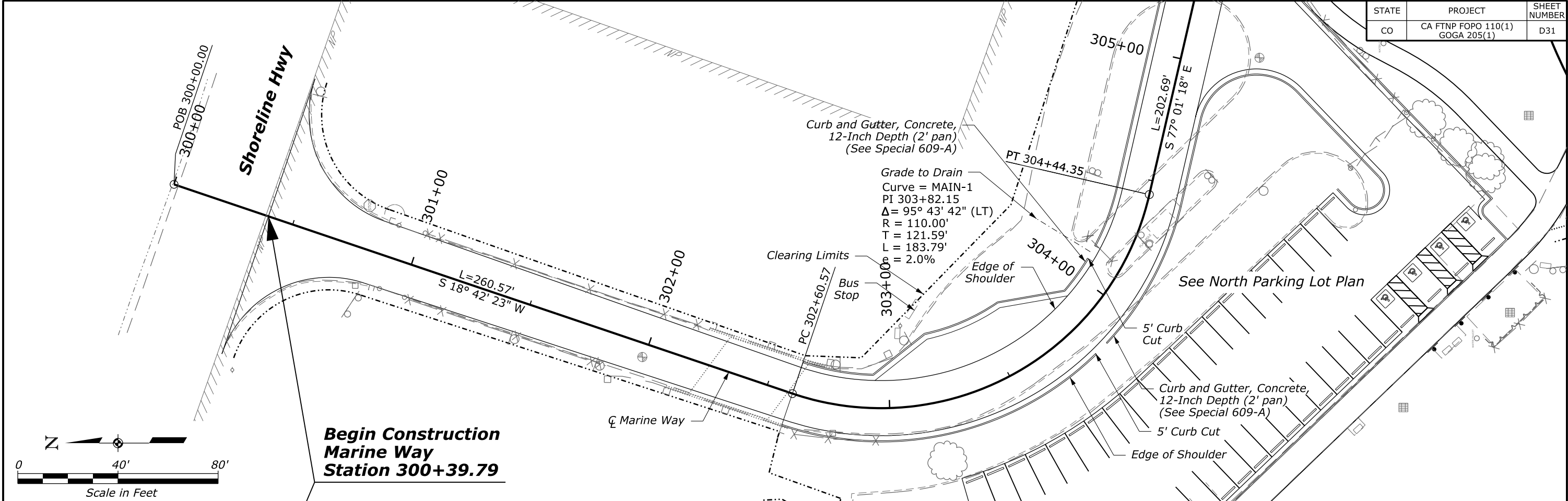
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

UTILITY PLAN
STINSON BEACH

Sheet 1 of 1

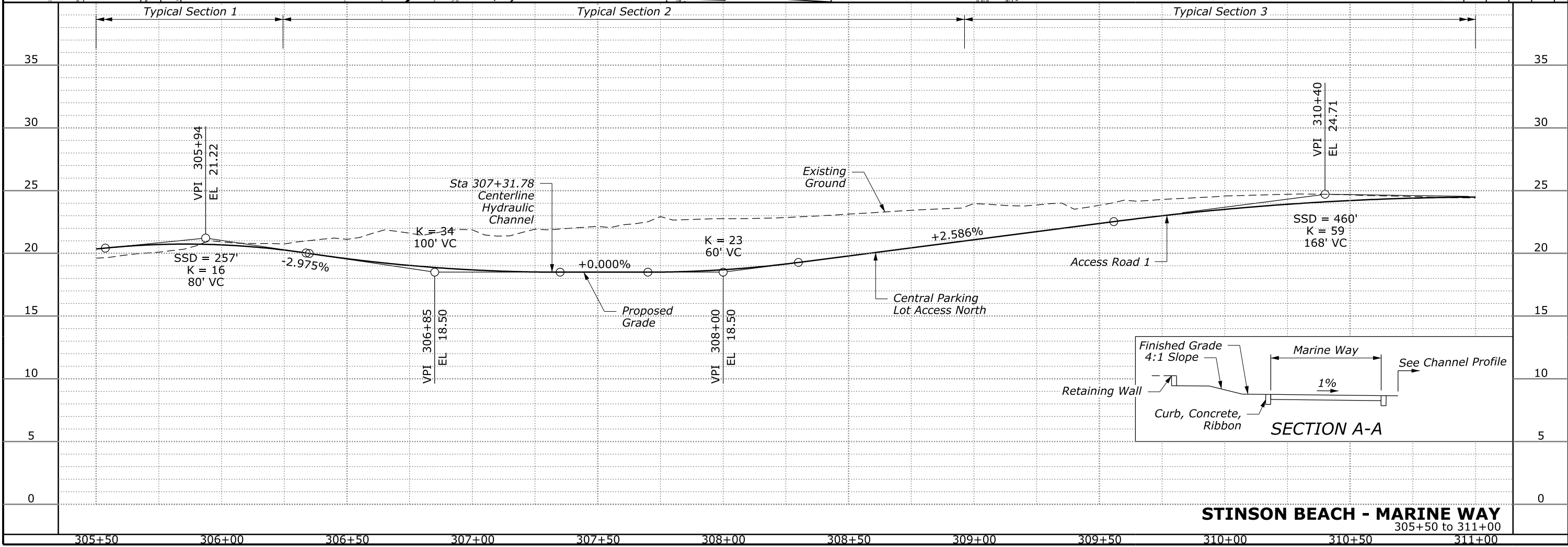
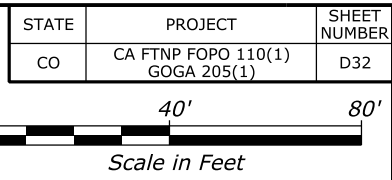
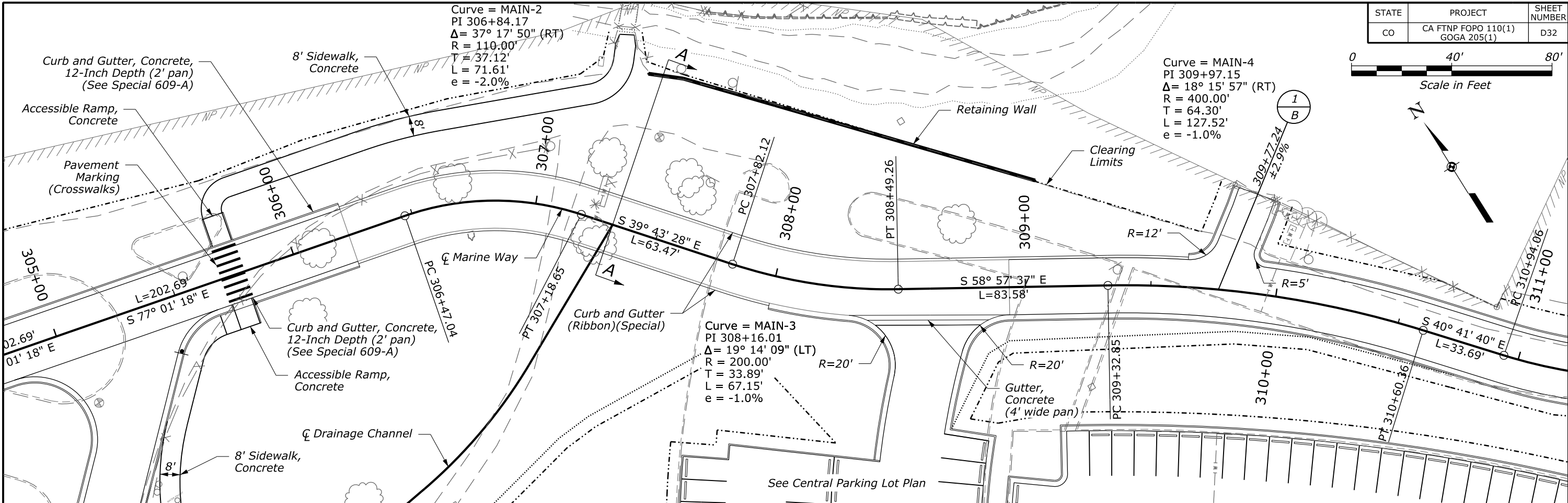
7/20/2020 1:28:18 PM pw:\\SUSD036343.wsatkins.com:ATK\\NACO01\\Documents\\Civil\\Projects\\100068733 - GOGA Parking\\Roadway\\CADD_Sheets\\C-ML_P&P\\PMP(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_01.dgn

STATE	PROJECT	SHEET NUMBER
CO	CA FTNP FOPO 110(1) GOGA 205(1)	D31



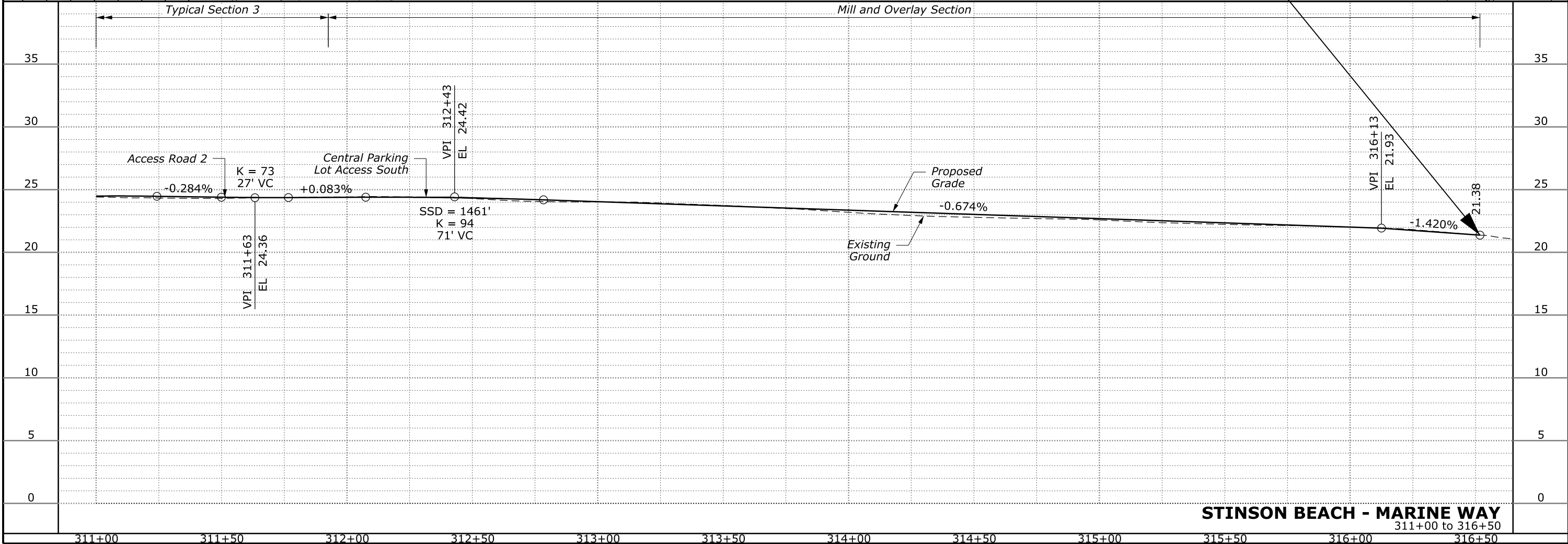
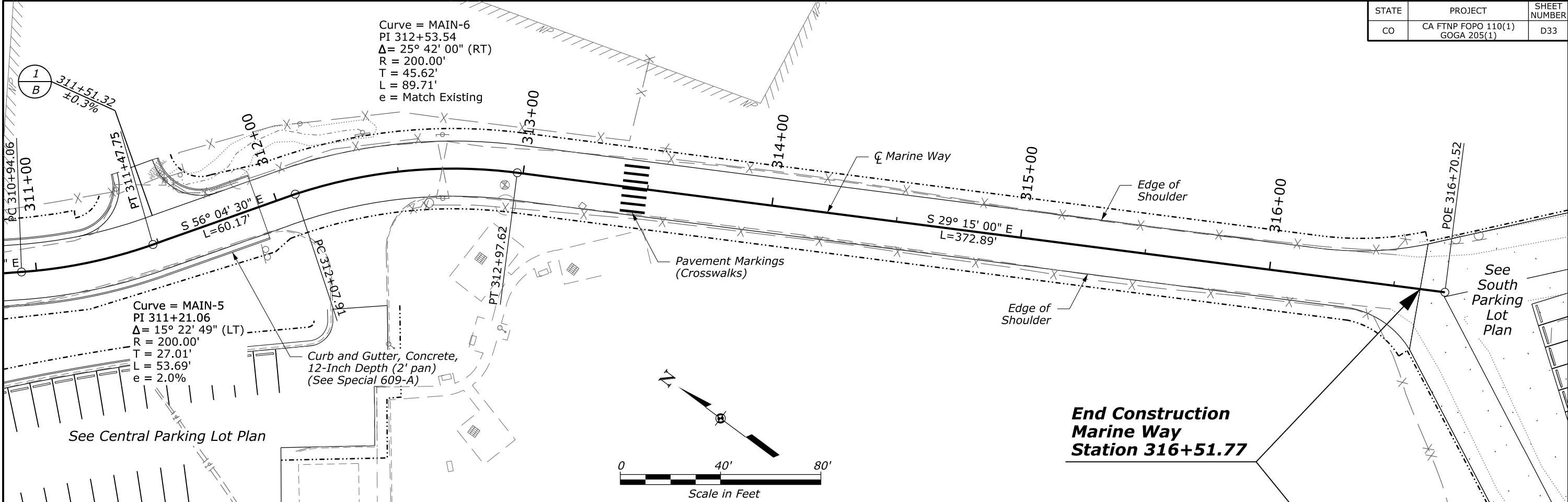
STINSON BEACH - MARINE WAY
300+00 to 305+50

7/20/2020 1:28:28 PM pw:\\SUSD036343.wsatkins.com:ATK\\NA\\CO01\\Documents\\Civil\\Projects\\100068733 - GOGA Parking\\Roadway\\CADD_Sheets\\C-ML_P&P\\PWP\\STIN\\CA FTNP FOPO 110(1) & GOGA 205(1)_02.dgn



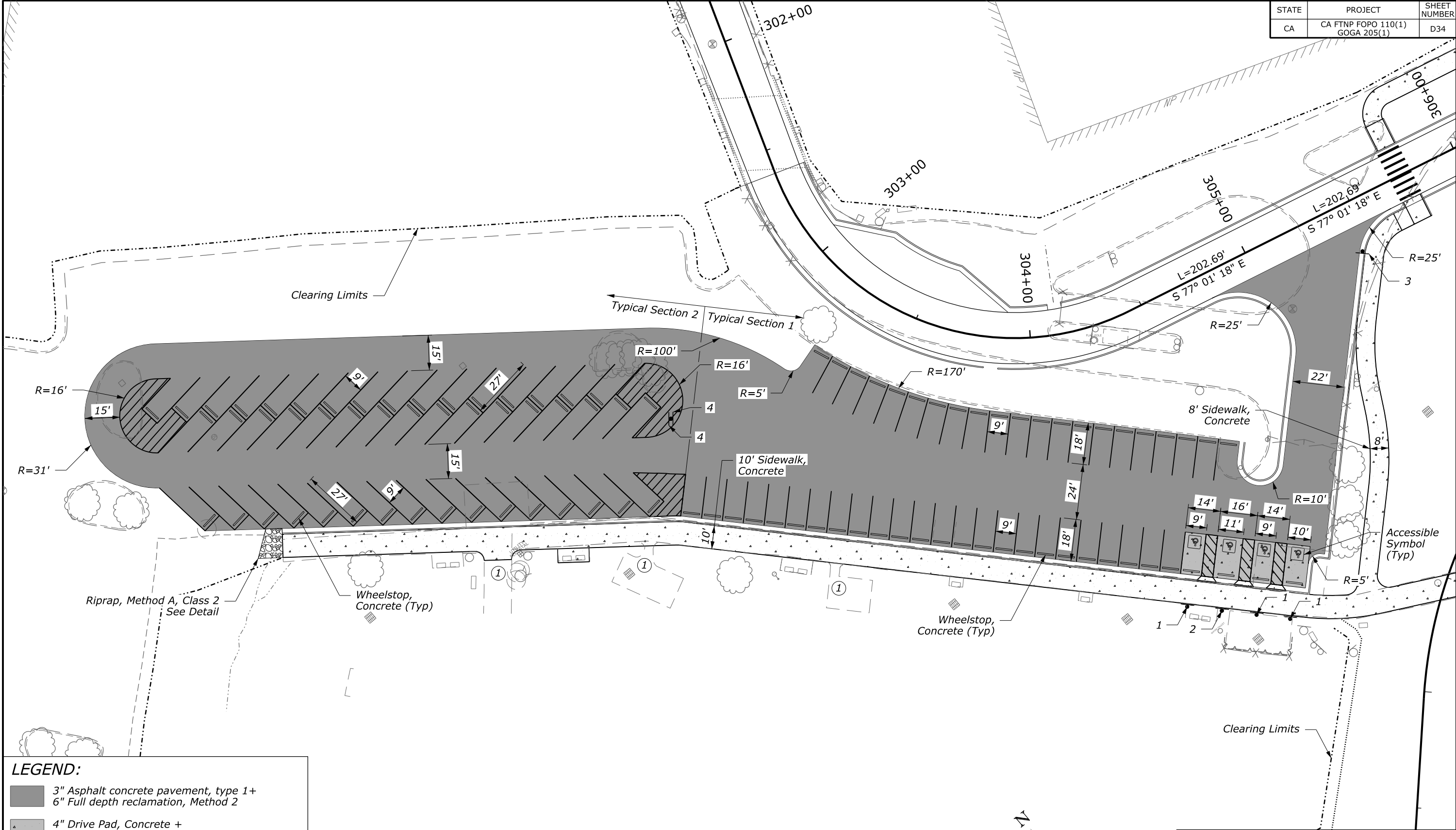
7/20/2020 1:28:37 PM pw:\\SUSD036343.wsatkins.com:ATK\\NA001\\Documents\\Civil\\Projects\\100068733 - GOGA Parking\\Roadway\\CADD_Sheets\\C-ML_P&P\\PMP(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_03.dgn

STATE	PROJECT	SHEET NUMBER
CO	CA FTNP FOPO 110(1) GOGA 205(1)	D33



7/20/2020 1:28:47 PM pwpw:\\SUSD036343.wsatkins.com:ATKMAC001\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets\D-Minor_P&P\PRK(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_01.dgn

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	D34

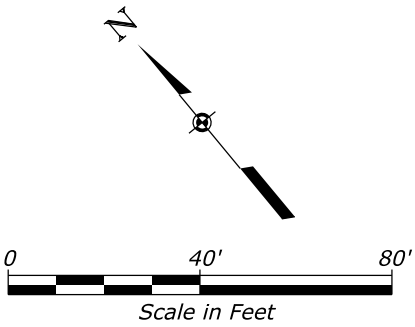


LEGEND:

	3" Asphalt concrete pavement, type 1 + 6" Full depth reclamation, Method 2
	4" Drive Pad, Concrete + 5" Full depth reclamation, Method 2
	4" Sidewalk, Concrete + 4" Full depth reclamation, Method 2

1	Accessible Sign
2	Van Accessible Sign
3	Stop Sign
4	One-Way Right Sign

NOTE:
① Maintain Accessible Access to Existing Picnic Areas

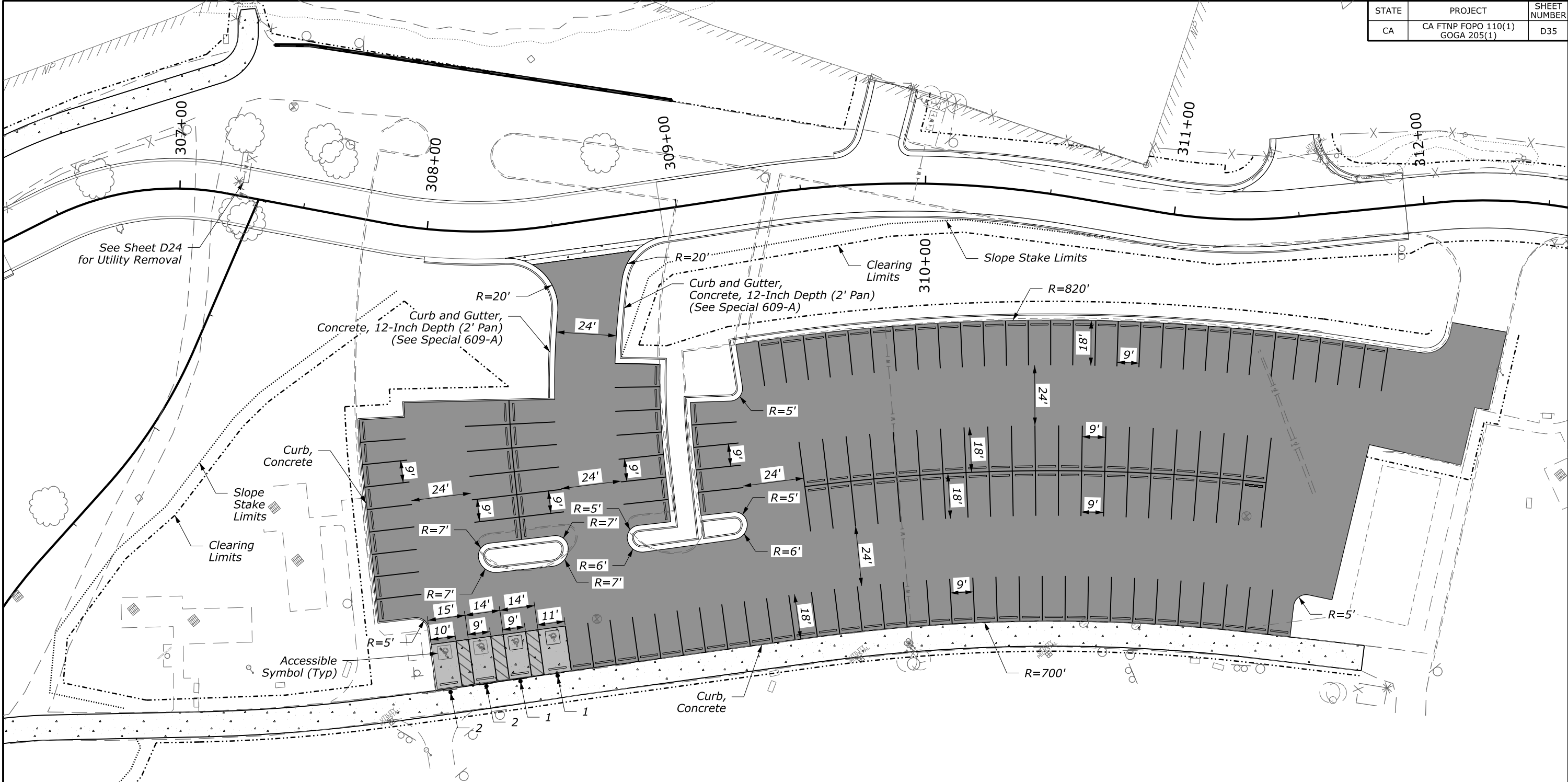


U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**PARKING LOT PLAN
STINSON BEACH
NORTH PARKING LOT**
Sheet 1 of 3

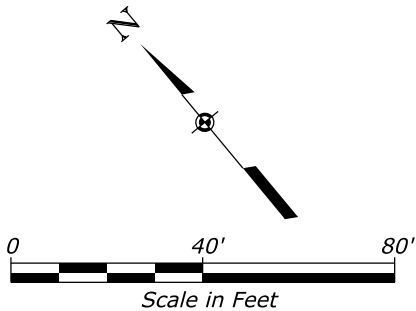
7/20/2020 1:28:56 PM\\pwp:\\SUSD036343.wsatkins.com:ATK\\MAC001\\Documents\\Civil\\Projects\\100068733 - GOGA Parking\\Roadway\\CADD_Sheets\\D-Minor_8&P\\PRK\\STIN\\CA FTNP FOPO 110(1) & GOGA 205(1)_02.dgn

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	D35



LEGEND:

- 3" Asphalt concrete pavement, type 1+
6" Full depth reclamation, Method 2
- 4" Drive Pad, Concrete +
5" Full depth reclamation, Method 2
- 4" Sidewalk, Concrete +
4" Full depth reclamation, Method 2
- 1 Accessible Sign
- 2 Van Accessible Sign
- 3 Stop Sign
- 4 One-Way Right Sign

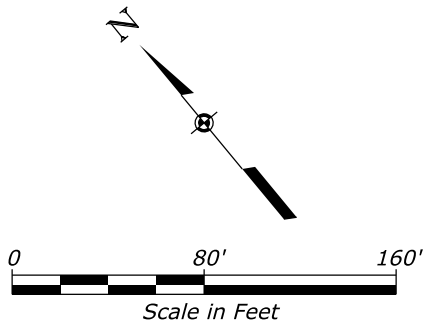
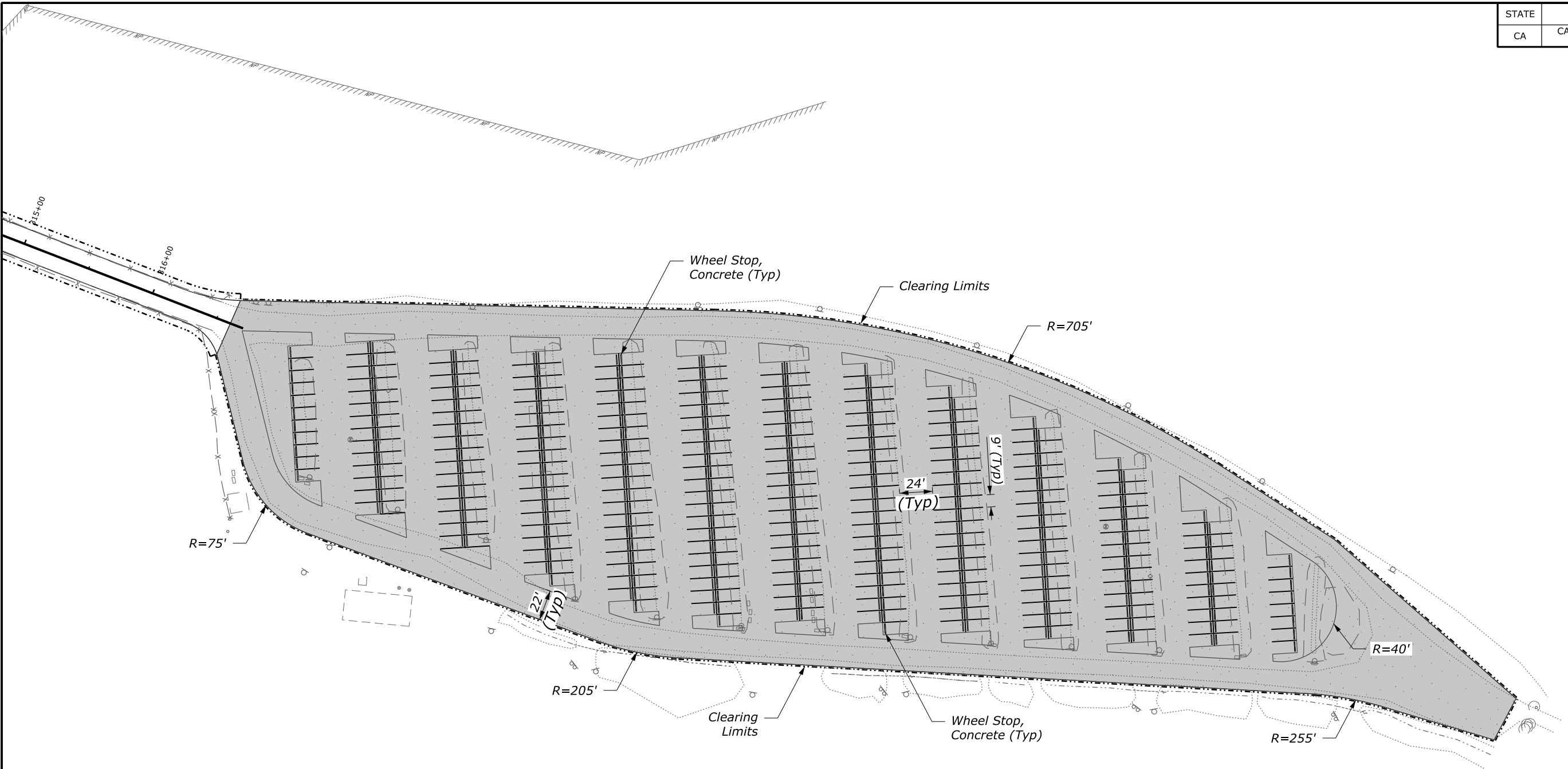


U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**PARKING LOT PLAN
STINSON BEACH
CENTRAL PARKING LOT**
Sheet 2 of 3

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	D36

7/20/2020 1:29:05 PM pwp:\\SUSD036343.wsatkins.com:ATK\\NACO01\\Documents\\Civ\\Projects\\100068733 - GOGA Parking\\Roadway\\CADD_Sheets\\D-Minor_P&P\\PRK(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_03.dgn



NOTE:
Pavement markings shown
for information only.

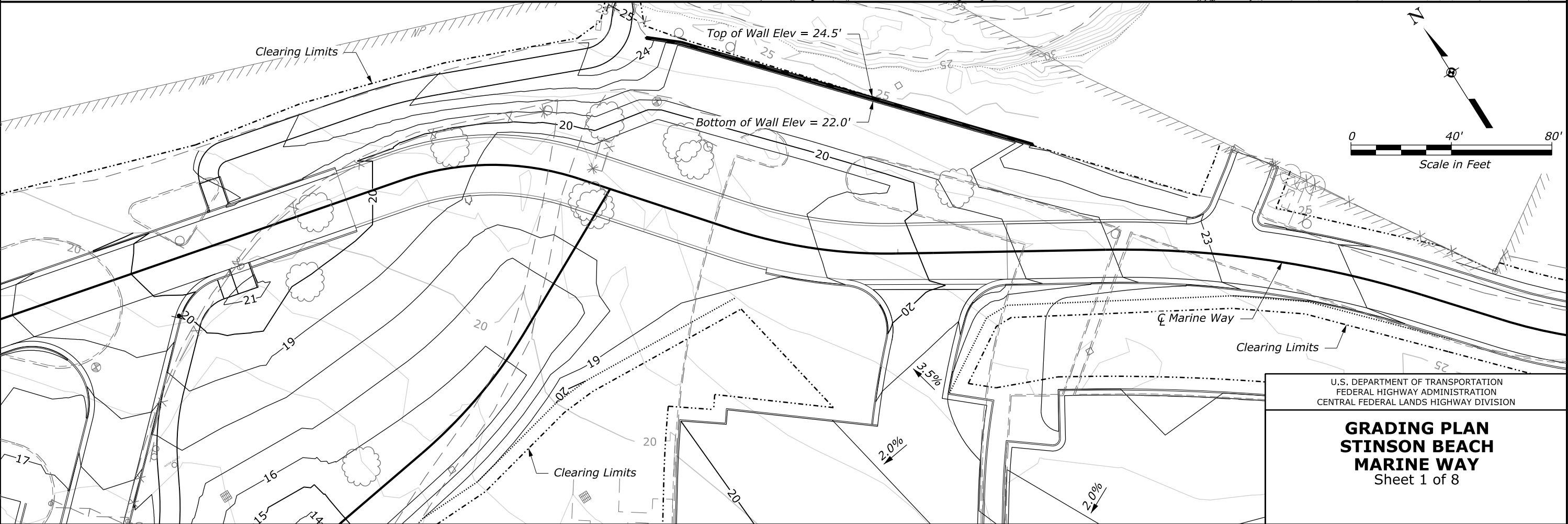
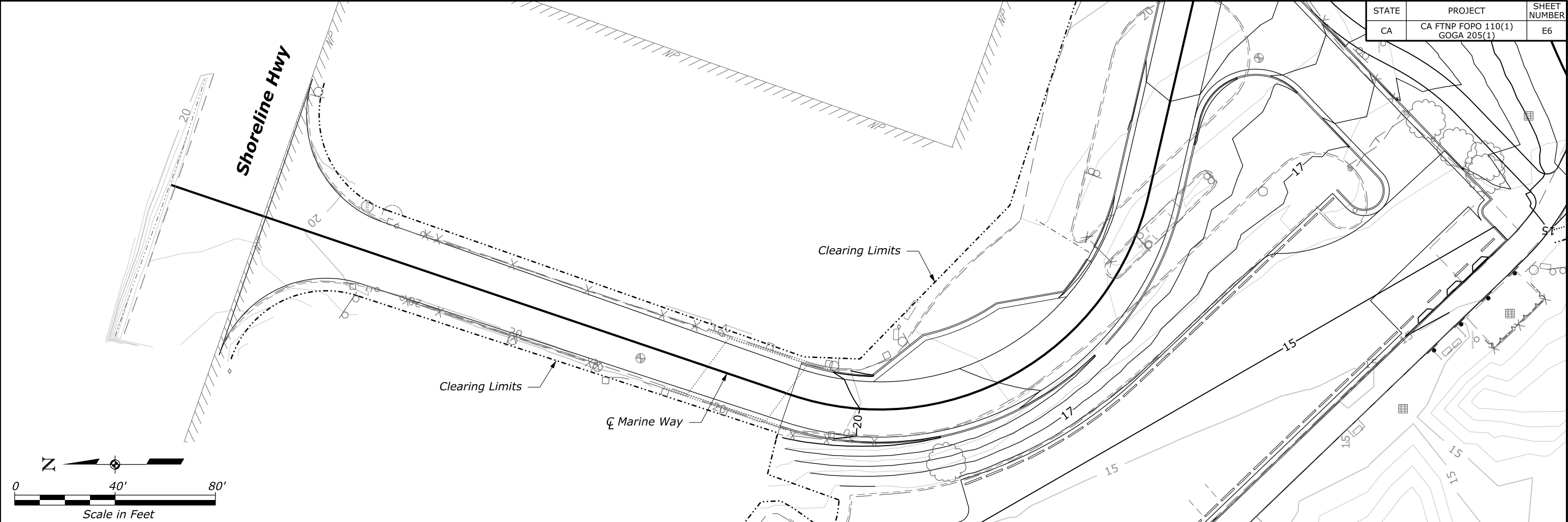
LEGEND:
[Shaded Box] 6" Full depth reclamation +
Full depth reclamation waste
from North and Central lots

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**PARKING LOT PLAN
STINSON BEACH
SOUTH PARKING LOT**
Sheet 3 of 3

7/20/2020 1:30:29 PM p:\w:\SUSDD036343.wsatkins.com:ATK\NAC001\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets[E-150][ECP(STIN)] CA FTNP FOPO 110(L) & GOGA 205(1)_01.dgn

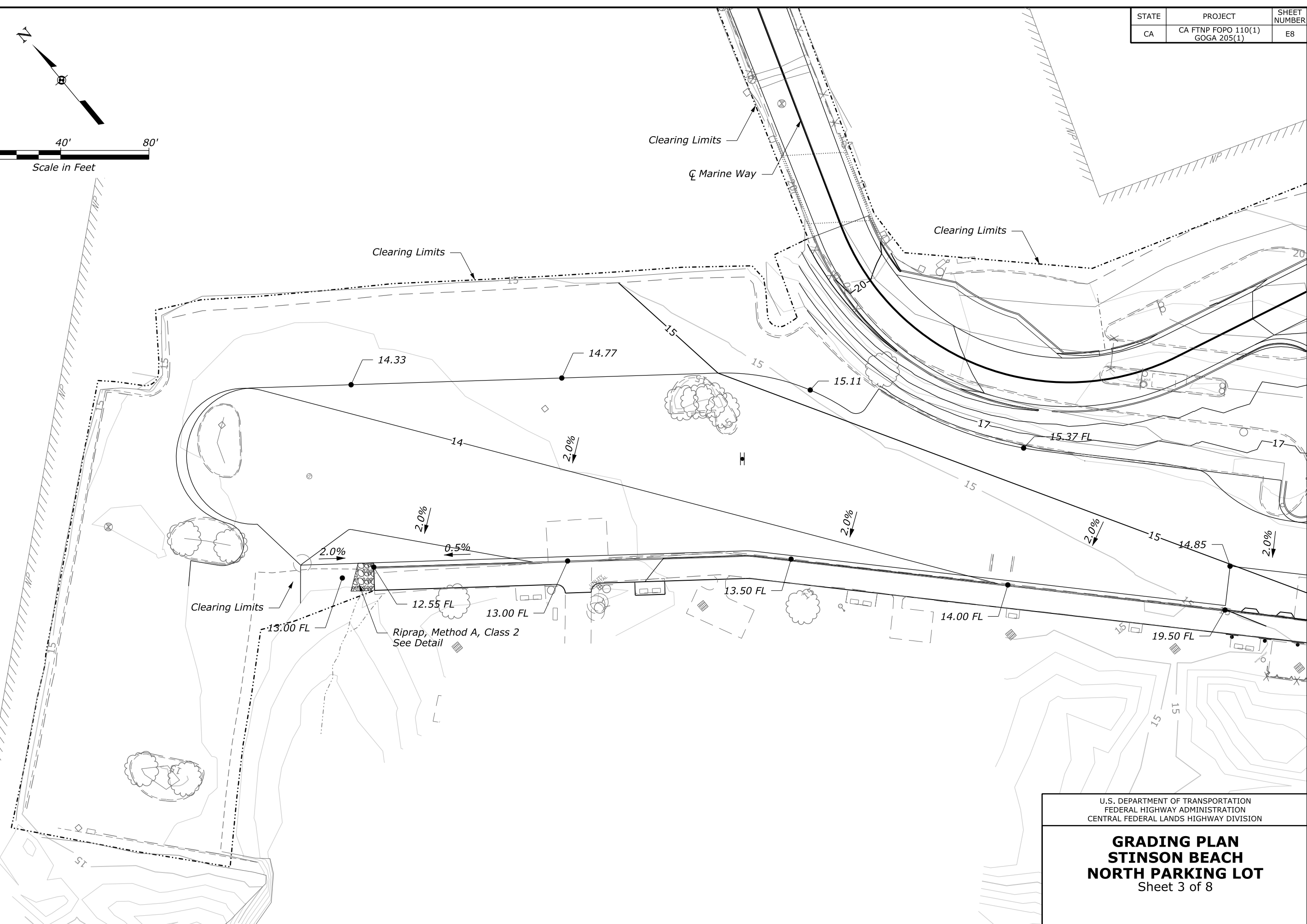
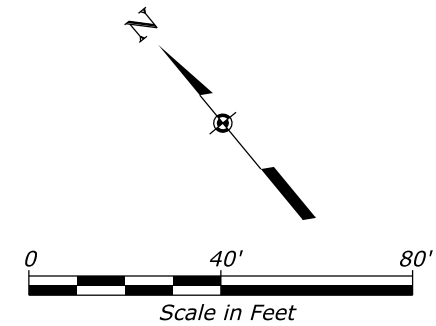
STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	E6



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**GRADING PLAN
STINSON BEACH
MARINE WAY**
Sheet 1 of 8

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	E8

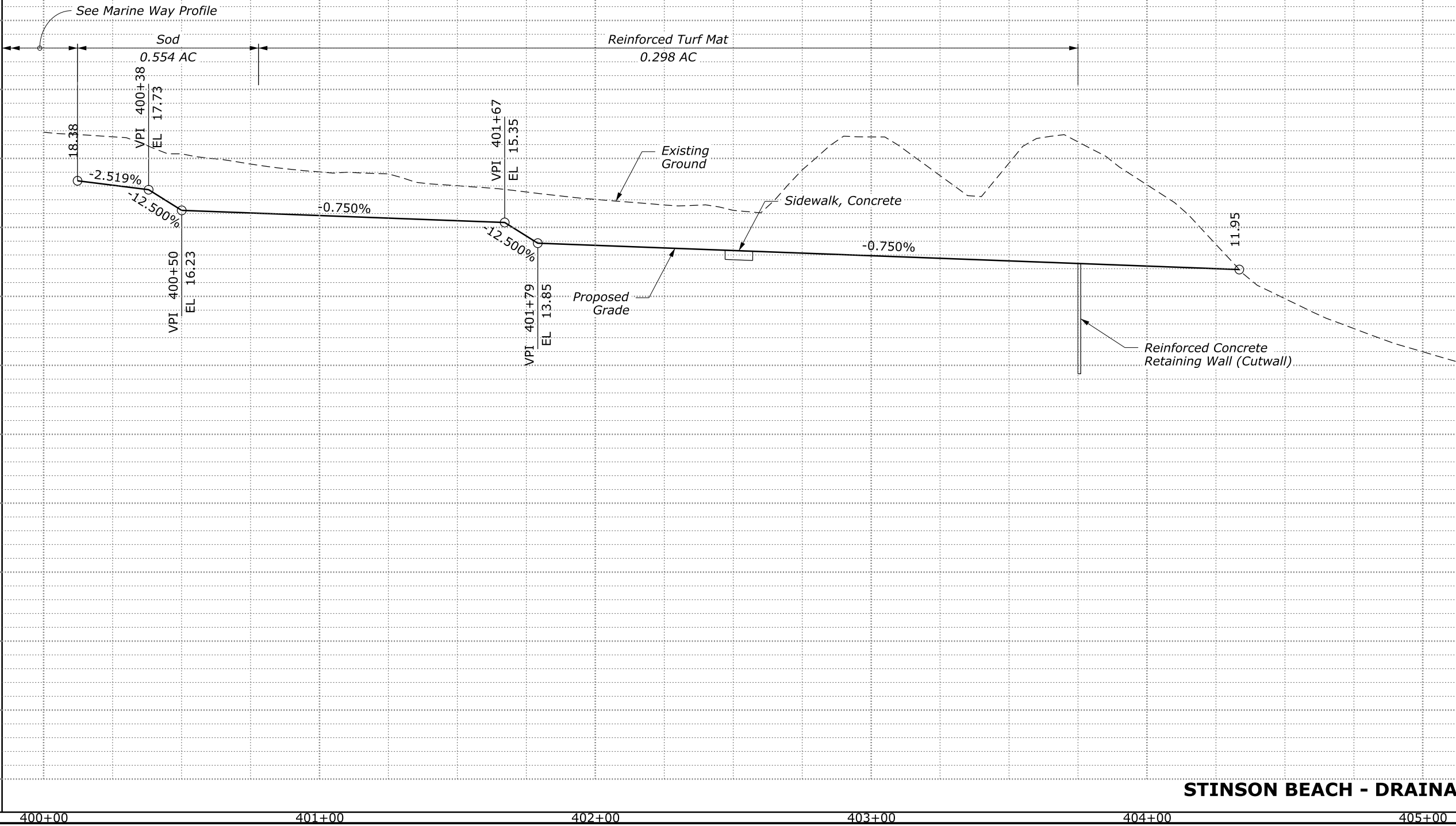


U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**GRADING PLAN
STINSON BEACH
NORTH PARKING LOT**
Sheet 3 of 8

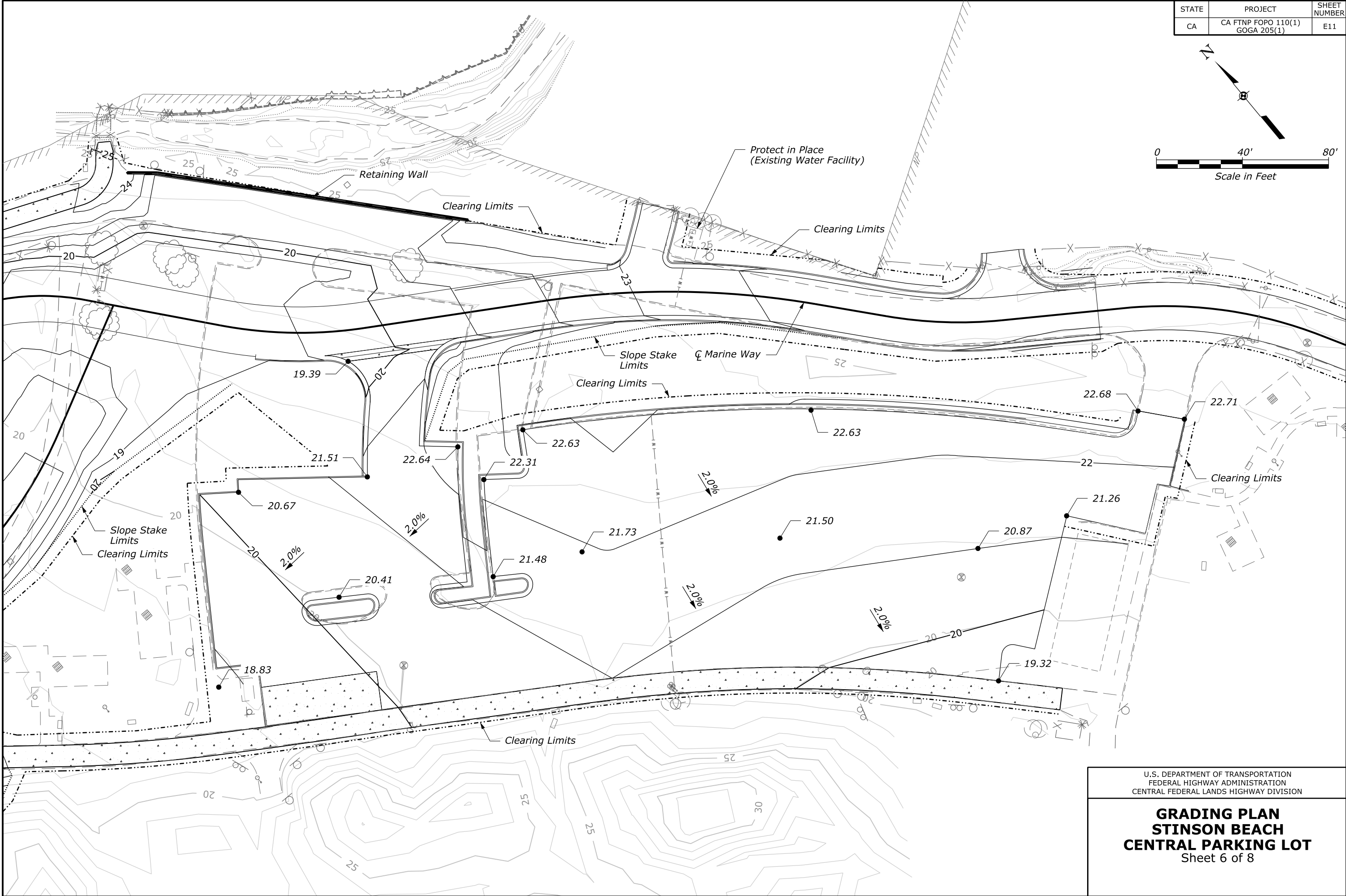
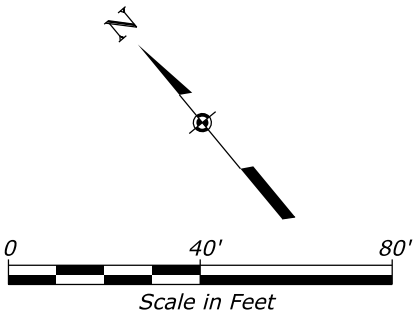
STATE	PROJECT	SHEET
CO	CA FTNP FOPO 110(1) GOGA 205(1)	NUMBER E10

7/20/2020 1:31:02 PM pw:\\SUSD036343.wsatkins.com:ATK\\ACO01\\Documents\\Civil\\Projects\\100068733 - GOGA Parking\\Roadway\\CADD_Sheets\\E-150\\ECP\\(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_05.dgn



7/20/2020 1:31:12 PM\\pw:\SUSD036343.wsatkins.com:ATK\NACO01\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets[E-150](ECP(STIN)) CA FTNP FOPO 110(1) & GOGA 205(1)_06.dgn

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	E11

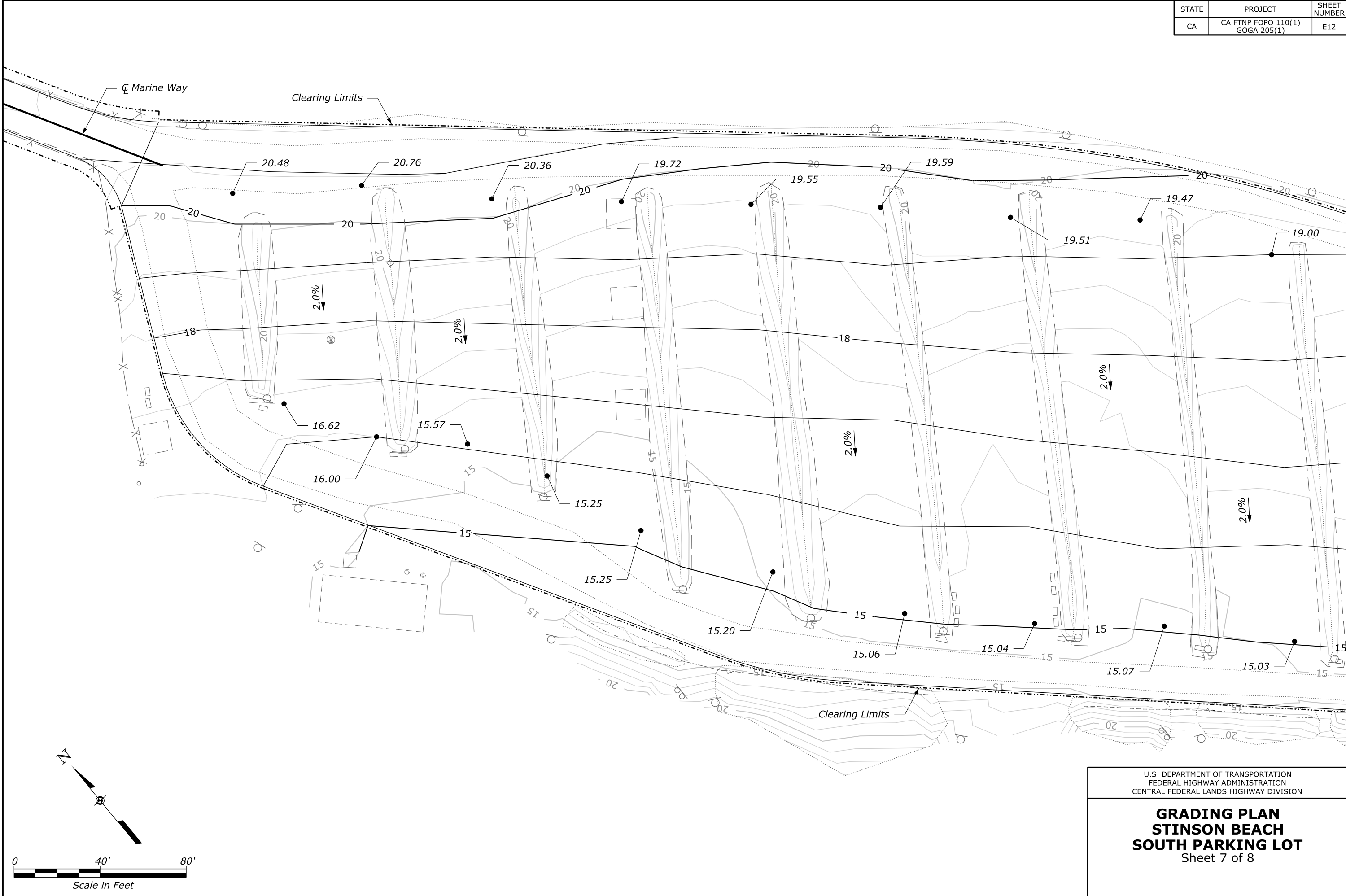


U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**GRADING PLAN
STINSON BEACH
CENTRAL PARKING LOT**
Sheet 6 of 8

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	E12

7/20/2020 1:31:23 PM pw:\SUSDD036343.wsatkins.com:ATK\NACO01\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets[E-150][ECP(STIN)] CA FTNP FOPO 110(L) & GOGA 205(1)_07.dgn

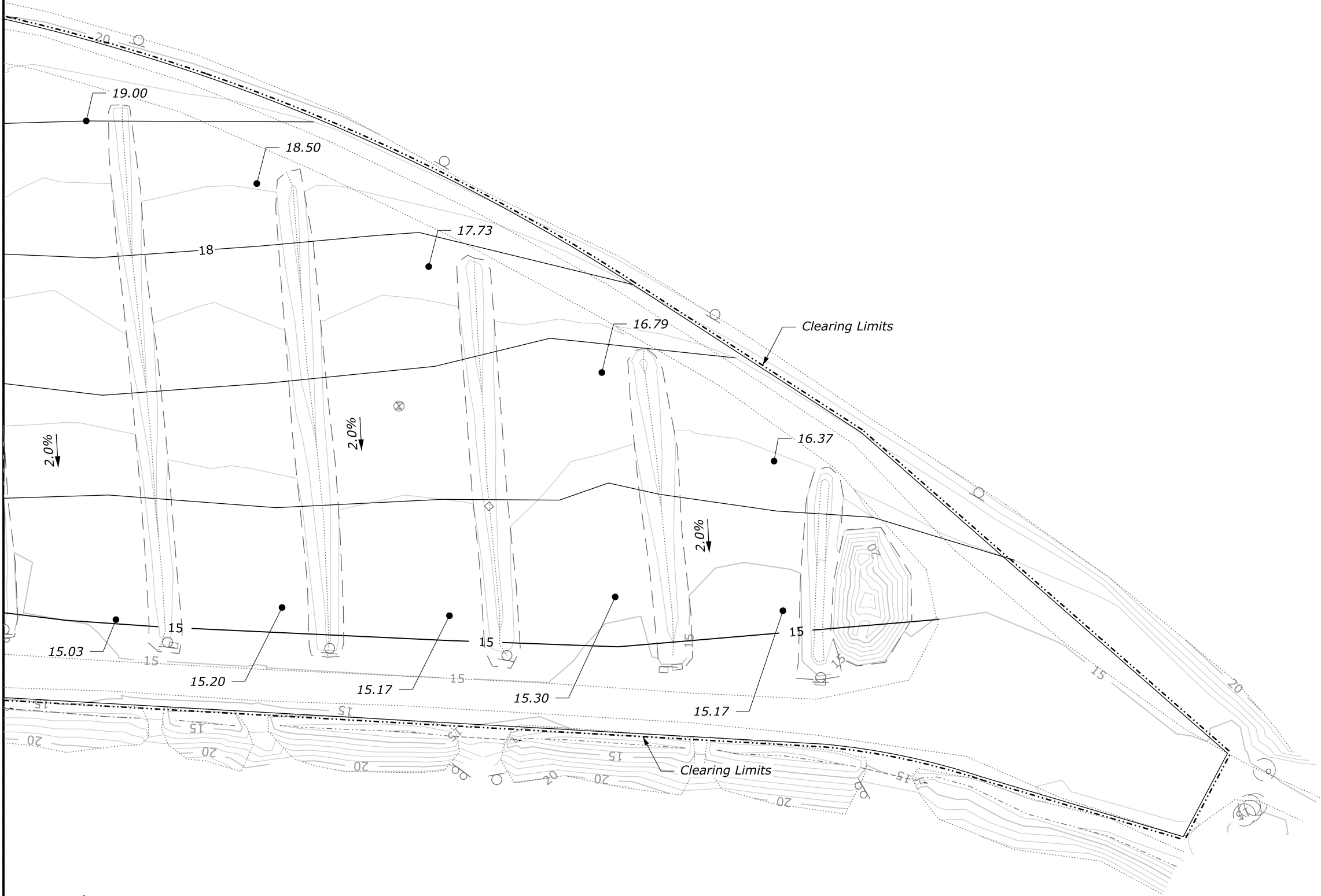


U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**GRADING PLAN
STINSON BEACH
SOUTH PARKING LOT**
Sheet 7 of 8

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	E13

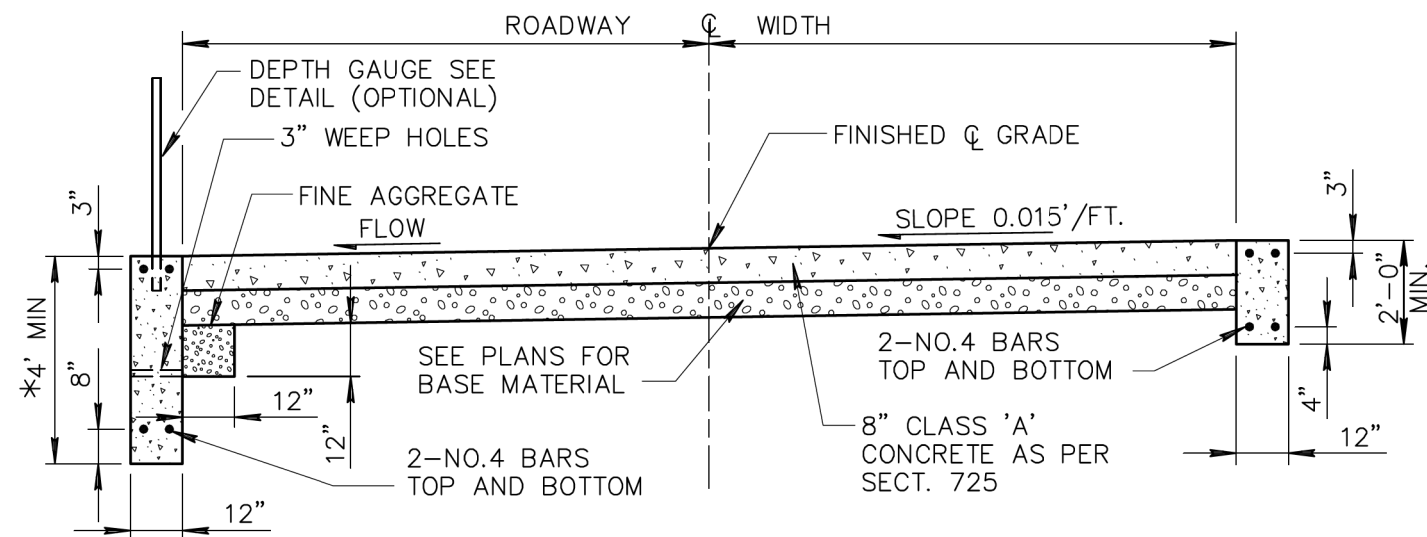
7/20/2020 1:31:33 PM p:\pw:\SUSDO36343.wsatkins.com:ATK\NACO01\Documents\Civil\Projects\100068733 - GOGA Parking\Roadway\CADD_Sheets\E-150\ECIP(STIN) CA FTNP FOPO 110(1) & GOGA 205(1)_08.dgn



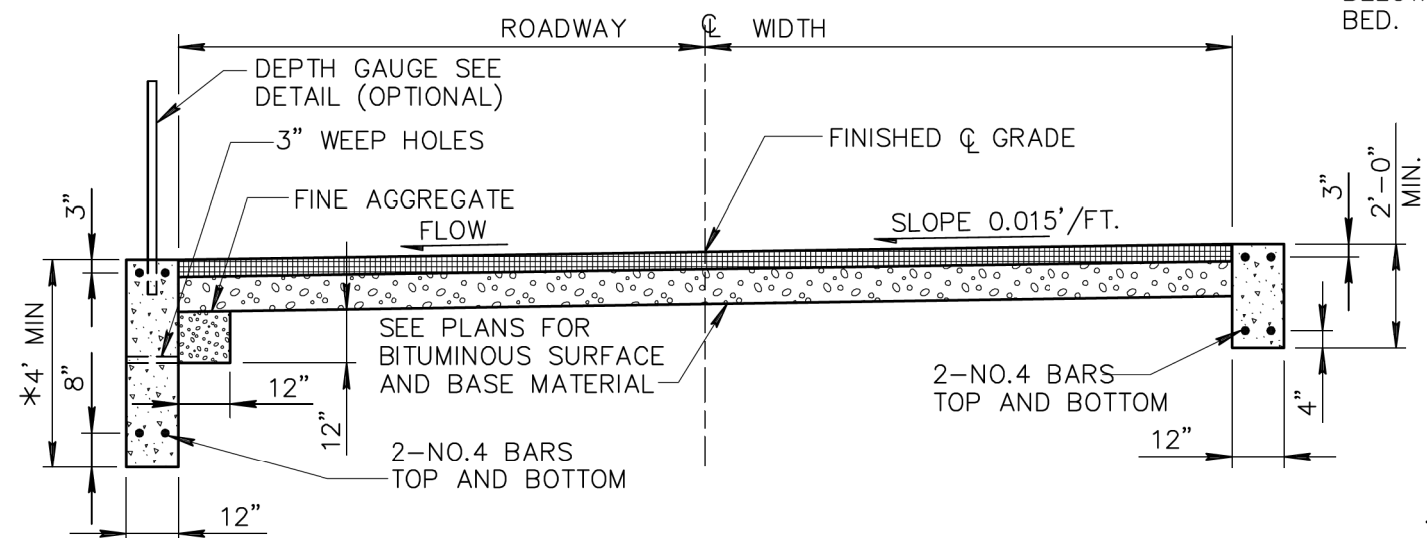
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

**GRADING PLAN
STINSON BEACH
SOUTH PARKING LOT**
Sheet 8 of 8

STATE	PROJECT	SHEET NUMBER
CA	CA FTNP FOPO 110(1) GOGA 205(1)	T3



CONCRETE SURFACE FORD CONCRETE WALLS

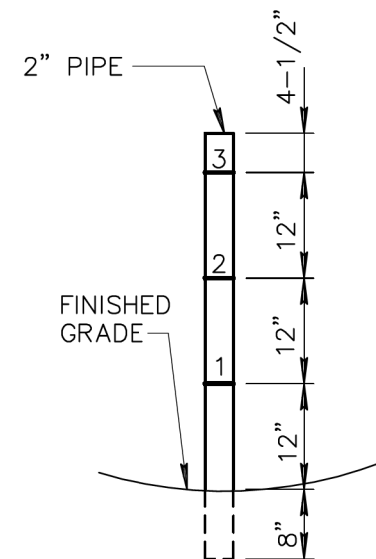


BITUMINOUS SURFACE FORD CONCRETE WALLS

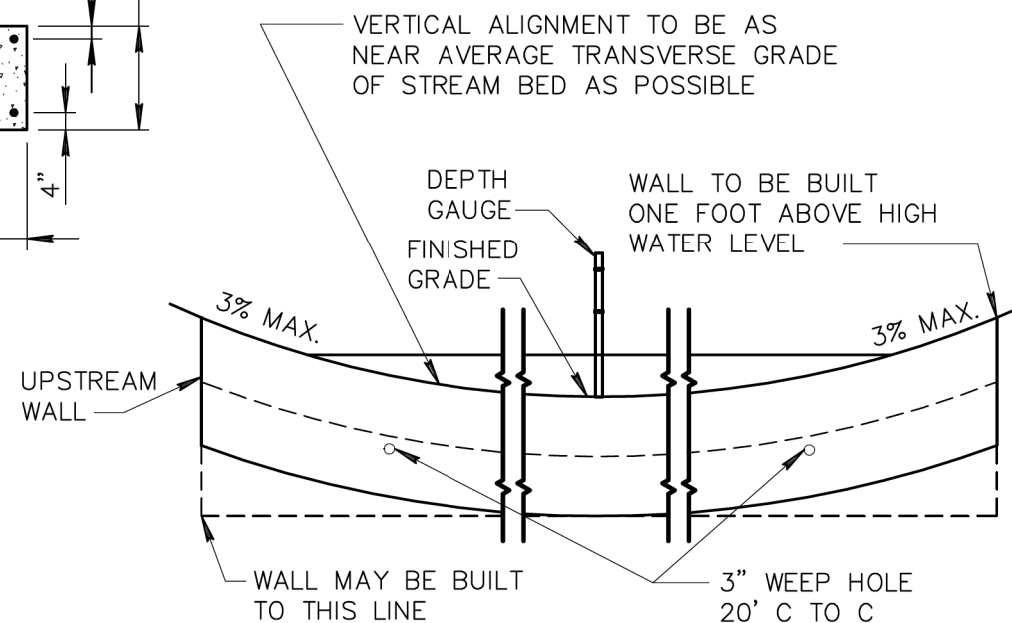
NOTES:

1. FORD WALLS SHALL BE CLASS 'A' CONCRETE PER SECT. 725
2. DEPTH GAUGE SHALL BE PAINTED 2 COATS WHITE ENAMEL. NUMERALS AND MARKERS SHALL BE 1 COAT BLACK ENAMEL.
3. NUMBERS ON DEPTH GAUGE TO BE 2" HIGH.
4. HEIGHT OF DEPTH GAUGE OPTIONAL.
5. TWO DEPTH GAUGES MAY BE USED. ONE ON EACH END OF UPSTREAM WALL. START WITH 2' INSTEAD OF 1'

*MIN. DISTANCE
BELOW STREAM
BED.



DEPTH GAUGE DETAIL
(OPTION OF THE CONTRACTING AGENCY)



ELEVATION LOOKING UPSTREAM

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY SPECIAL
**FORD CROSSING AND
CUT-OFF WALLS**

SPECIAL
609-B