DUPLICATE

315 4

RECORD OF SURVEY NO. 2019-1005

BEING A SURVEY OF CALIFORNIA STATE ROUTE 1 RIGHT-OF-WAY FROM JAMBOREE ROAD TO BALBOA COVES/HOAG DRIVE IN THE CITY OF NEWPORT BEACH, COUNTY OF ORANGE AND FROM BEACH BOULEVARD TO GOLDENWEST STREET IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

PSOMAS

GREGORY A. HELMER , P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

ACCEPTED AND FILED AT THE REQUEST OF THE ORANGE COUNTY SURVEYOR'S OFFICE

DATE September 25, 2020
TIME 12:32 PM FEE Exempt
INSTRUMENT NO 2020000524943
BOOK 315 PAGE 4-31 R/S

HUGH NGUYEN
COUNTY CLERK-RECORDER
BY Anna Hutchison
DEPUTY

EXEMPT RECORDING REQUESTED BY CALTRANS PER GOVERNMENT CODE 27383

COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH SECTION 8766 OF THE PROFESSIONAL LAND SURVEYORS' ACT THIS 22ND DAY OF SEPTEMBER, 2020

KEVIN R. HILLS, COUNTY SURVEYOR
L.S. 6617

BY: LILY M. N. SANDBERG, DEPUTY COUNTY SURVEYOR
L.S. 8402

PROFESSIONAL LAND SURVEYOR — LILY M. NUNEZ SANDBERG — No. 8402 — Exp. 6-30-22 — STATE OF CALIFORNIA

SURVEYOR'S STATEMENT:

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME, OR UNDER MY DIRECTION, IN CONFORMANCE WITH THE REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT AT THE REQUEST OF JEFF AYER, CALTRANS DISTRICT 12, IN FEBRUARY, 2018.

GREGORY A. HELMER
P.L.S. 5134

9/10/2020
DATE

PROFESSIONAL LAND SURVEYOR — GREGORY A. HELMER — No. 5134 — STATE OF CALIFORNIA

STATEMENT OF PURPOSE:

THE PURPOSE OF THIS SURVEY IS TO RE-ESTABLISH THE CENTERLINES AND STATE OF CALIFORNIA R/W BOUNDARY ALONG PACIFIC COAST HIGHWAY WITHIN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE PER THE RECORD DOCUMENTS AND CONTROLLING MONUMENTATION AS SHOWN HEREON PER SECTION 8762 (A) OF THE PROFESSIONAL LAND SURVEYORS' ACT.

BASIS OF BEARINGS AND COORDINATES:

THE COORDINATES AND BEARINGS SHOWN HEREON ARE BASED UPON THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 6, (1991.35) IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES AND BEARINGS ARE BASED LOCALLY UPON FIELD-OBSERVED TIES TO THE FOLLOWING ORANGE COUNTY SURVEYOR GPS MONUMENTS, OR EQUIVALENT STATIONS:
REFERENCED ORANGE COUNTY SURVEYOR (OPTIONALLY NGS) STATION(S) CONNECTED STATION NORTHING (Y) EASTING (X) HEIGHT MAPPING ANGLE AND GRID FACTOR

STATION NAME	NORTHING	EASTING
6266	2171400.172	6062749.587
6288	2171727.255	6052182.833
	[2171727.231]	[6052182.938]
6286	2175585.603	6044666.470
6252	2174276.619	6059475.082
5008R2	2185727.072	6030479.596
5021R1	2190039.281	6025413.661
5018	2187321.829	6032697.866
5035R2	2191344.341	6023945.032

NOTE: ALL COORDINATES AND DISTANCES SHOWN, UNLESS OTHERWISE NOTED, ARE IN TERM OF THE U.S. SURVEY FOOT IN GRID. TO OBTAIN EQUIVALENT GROUND DISTANCES DIVIDE BY A COMBINATION FACTOR OF 0.999972 COMPUTED AT STATION 6286.

[ ] INDICATES PUBLISHED HORIZONTAL VALUES FOR STATION 6288. PUBLISHED VALUES DID NOT AGREE WHEN CONSTRAINED WITH OTHER PASSIVE STATIONS IN THIS NETWORK.

DIMENSIONS PER RECORD MAPS ARE GROUND UNLESS OTHERWISE NOTED.
DIMENSIONS PER STATE MAPS AND DOCUMENTS ARE GRID UNLESS OTHERWISE NOTED.

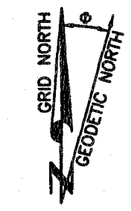
MONUMENT NOTES:

▲ INDICATES FOUND O.C.S. G.P.S. HORIZONTAL CONTROL MONUMENT AS NOTED, VALUES HELD PER ORANGE COUNTY SURVEY HORIZONTAL CONTROL DATA SHEETS EXCEPT AS NOTED ABOVE.

● INDICATES FOUND MONUMENT AS NOTED.

( ) INDICATES RECORD DATA AS NOTED.

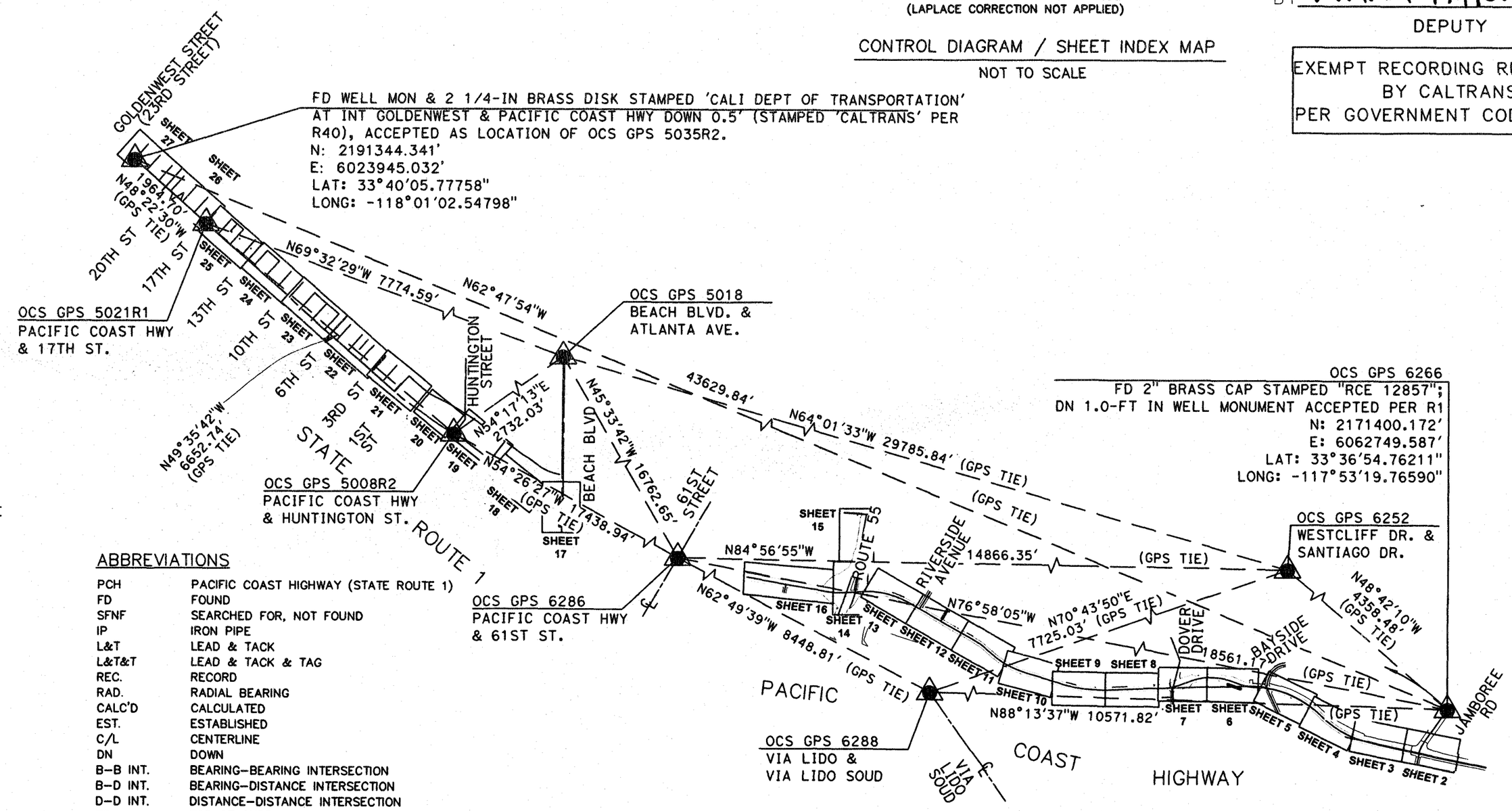
A DILIGENT SEARCH FOR MONUMENTS AT ANGLE POINTS ALONG THE CALTRANS RIGHT OF WAY WAS PERFORMED, AND RESULTED IN NO FOUND MONUMENTS OF RECORD, EXCEPT AS NOTED ON THE MAP SHEETS.
GRAPHICAL REPRESENTATION OF ADJOINERS IS FOR INFORMATION PURPOSES ONLY.



MAPPING ANGLE
=-00°55'59.95"
AT POINT (6286)
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE (LAPLACE CORRECTION NOT APPLIED)

CONTROL DIAGRAM / SHEET INDEX MAP

NOT TO SCALE



ABBREVIATIONS

PCH	PACIFIC COAST HIGHWAY (STATE ROUTE 1)
FD	FOUND
SFNF	SEARCHED FOR, NOT FOUND
IP	IRON PIPE
L&T	LEAD & TACK
L&T&T	LEAD & TACK & TAG
REC.	RECORD
RAD.	RADIAL BEARING
CALC'D	CALCULATED
EST.	ESTABLISHED
C/L	CENTERLINE
DN	DOWN
B-B INT.	BEARING-BEARING INTERSECTION
B-D INT.	BEARING-DISTANCE INTERSECTION
D-D INT.	DISTANCE-DISTANCE INTERSECTION
TC	TOP OF CURB
R/W	RIGHT OF WAY
PRC	POINT OF REVERSE CURVE
P/L	PROPERTY LINE
O.R.	OFFICIAL RECORDS OF ORANGE COUNTY
OCS	ORANGE COUNTY SURVEYOR
H.B.	HUNTINGTON BEACH
R.O.S.	RECORD OF SURVEY
N/E/S/W	NORTH/EAST/SOUTH/WEST
AC	ASPHALT CONCRETE
SDWLK	SIDEWALK
ESMT.	EASEMENT
N&T	NAIL & TIN
SPK	SPIKE
ECR	END OF CURB RETURN
N/E/S/W/O	NORTH/EAST/SOUTH/WEST OF
INST. NO.	INSTRUMENT NUMBER
HC	HANDICAP (RAMP)
T&T	TACK & TAG
REF.	REFERENCE
℄	TANGENT-OVER TIE
DIST.	DISTANCE
A.K.A.	ALSO KNOWN AS

SURVEYOR'S NOTE:

DUE TO HOW THE R/W OF STATE ROUTE 1 (PACIFIC COAST HIGHWAY/WEST COAST HIGHWAY) WAS DESCRIBED IN DEEDS TO THE STATE OF CALIFORNIA, RECORD INFORMATION MAY NOT EXISTING FOR LONG SECTIONS OF CURVED OR TANGENT R/W SEGMENTS, UNLESS SAID SEGMENTS WERE SHOWN ON SUBDIVISION PLATS OR RECORDS OF SURVEY. THEREFORE, IF NO RECORD INFORMATION IS SHOWN ON THIS MAP, NO RECORDS WERE AVAILABLE.

THIS SURVEY IS BASED ON GRID COORDINATES. THERE ARE MULTIPLY INSTANCES WHERE STATE MAPS AND DOCUMENTS (GRID) ARE IN CONFLICT WITH RECORD MAPS (GROUND) IN THAT THEY BOTH SHOW THE SAME DISTANCE FOR THE RADIUS. FOR THIS SURVEY THE STATE RADIUS (GRID) IS SHOWN WITH NO CONVERSION FROM GROUND TO GRID UNLESS OTHERWISE NOTED.

DUPLICATE

DUPLICATE

315 5

SHEET 2 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

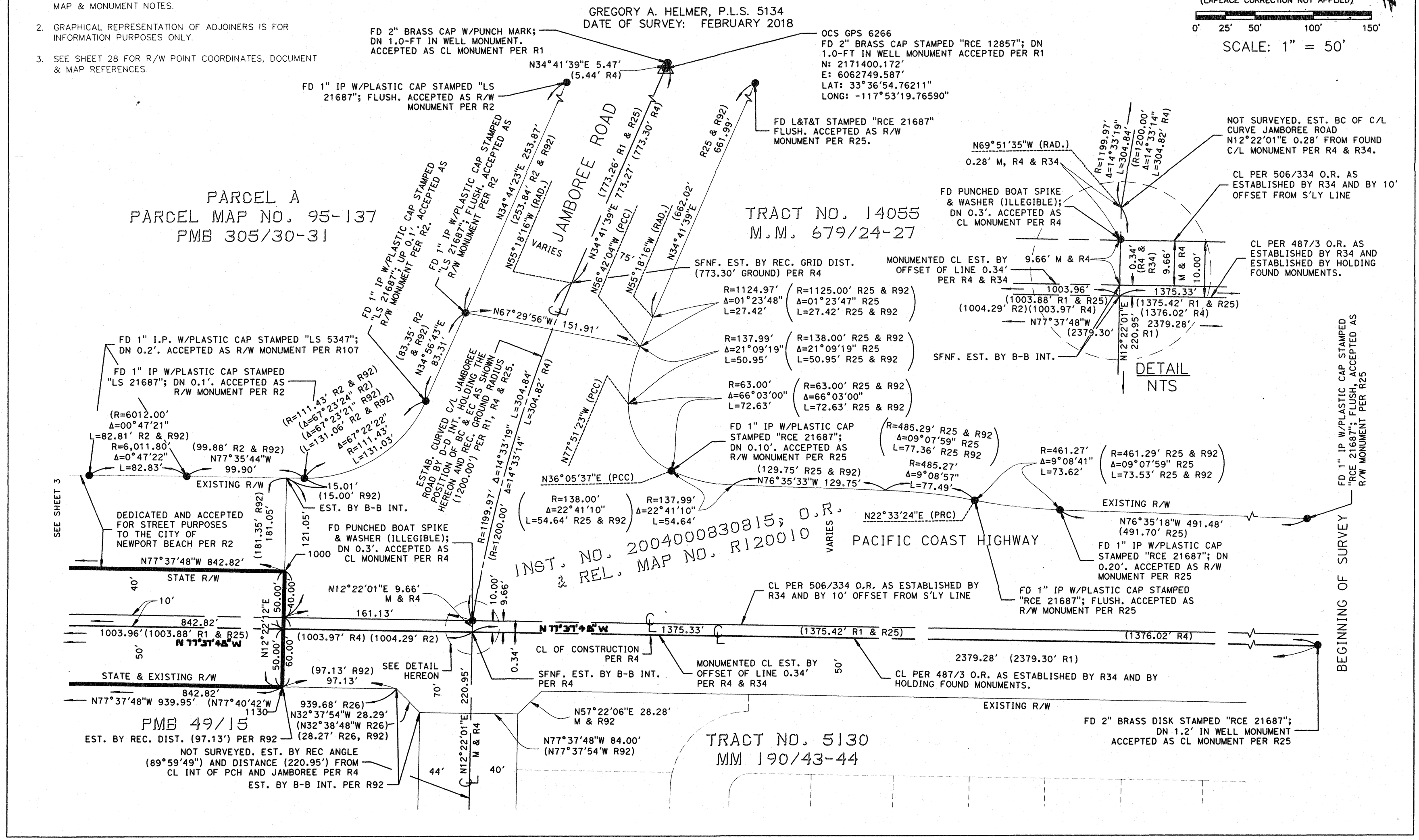
IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

PSOMAS

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

NOTES:

1. SEE SHEET 1 FOR BASIS OF BEARINGS AND COORDINATES, CONTROL DIAGRAM/INDEX MAP, VICINITY MAP & MONUMENT NOTES.
2. GRAPHICAL REPRESENTATION OF ADJOINERS IS FOR INFORMATION PURPOSES ONLY.
3. SEE SHEET 28 FOR R/W POINT COORDINATES, DOCUMENT & MAP REFERENCES.



DUPLICATE

DUPLICATE

315 6

6

315

SHEET 3 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

NOTES:

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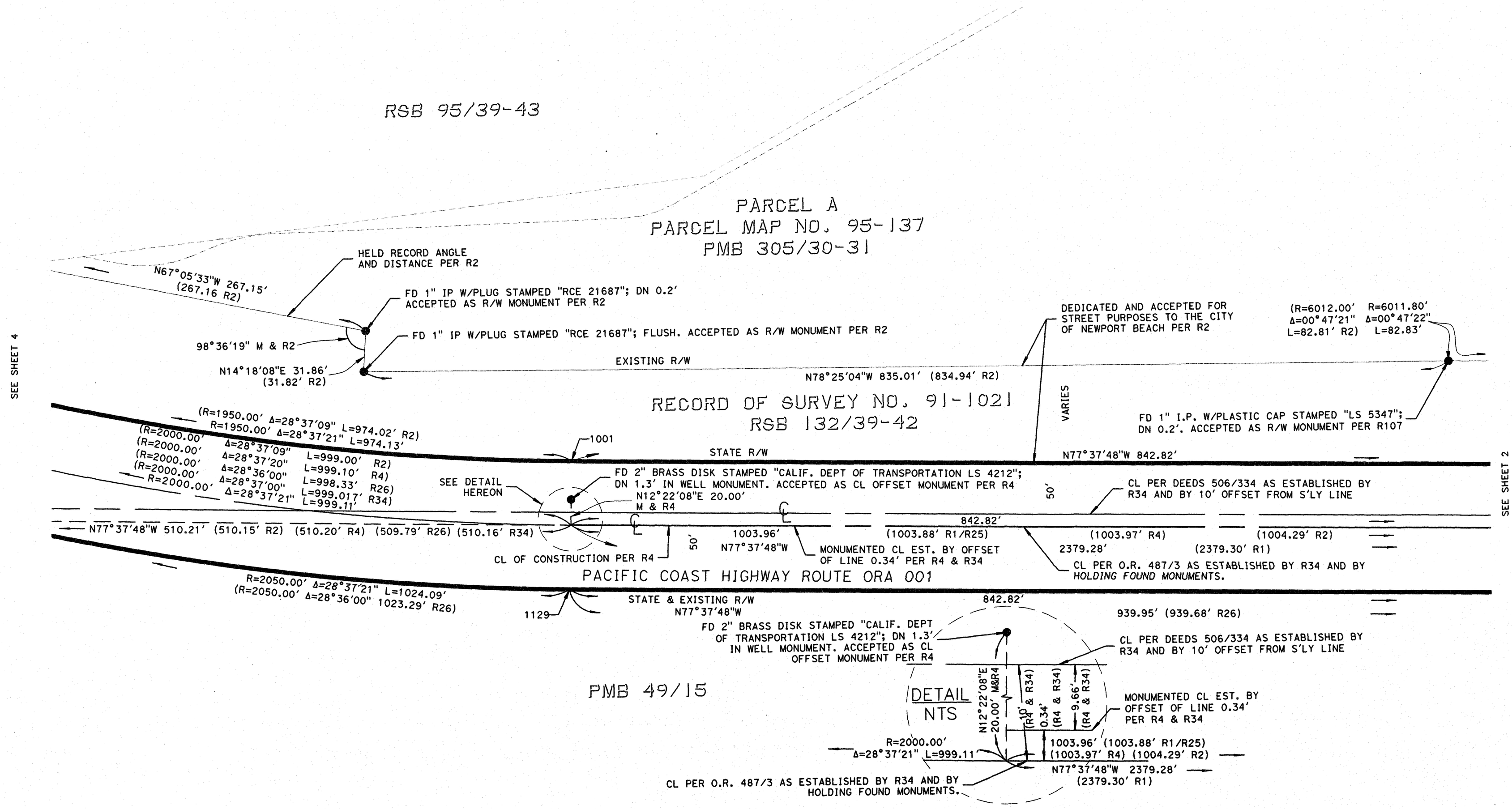
GRID NORTH
GEODETIC NORTH

f MAPPING ANGLE
=-00°55'59.95"
AT POINT (6286)
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE (LAPLACE CORRECTION NOT APPLIED)

0' 25' 50' 100' 150'

SCALE: 1" = 50'



DUPLICATE

DUPLICATE

SHEET 4 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

PSOMAS

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

f MAPPING ANGLE
=-00°55'59.95"
AT POINT (6288)
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE
(LAPLACE CORRECTION NOT APPLIED)

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SCALE: 1" = 50'

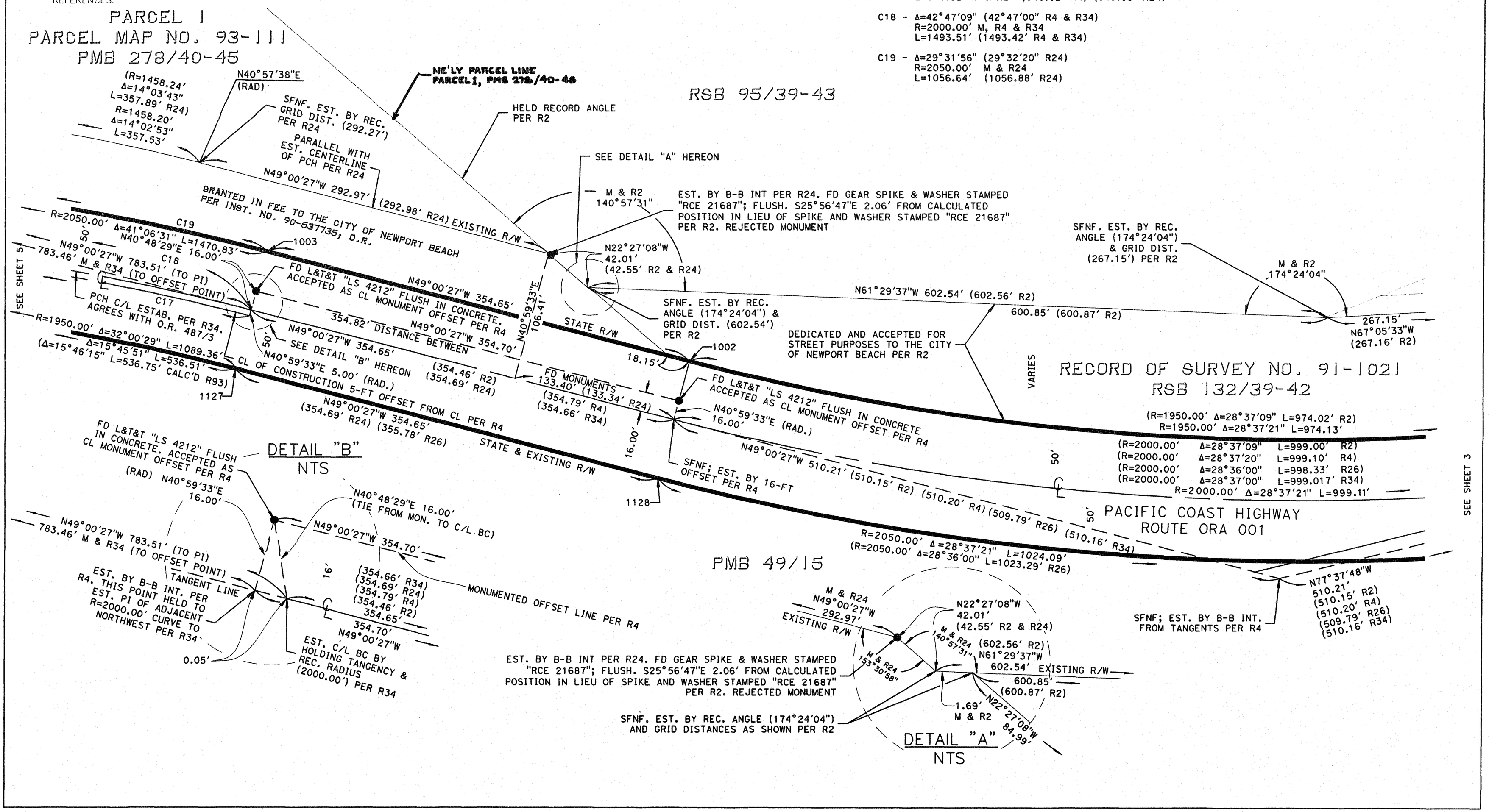
NOTES:

1. SEE SHEET 1 FOR BASIS OF BEARINGS AND COORDINATES, CONTROL DIAGRAM/INDEX MAP, VICINITY MAP & MONUMENT NOTES.
2. GRAPHICAL REPRESENTATION OF ADJOINERS IS FOR INFORMATION PURPOSES ONLY.
3. SEE SHEET 28 FOR R/W POINT COORDINATES, DOCUMENT & MAP REFERENCES.

CURVE DATA
C17 - Δ=27°15'10" M & R27 (27°14'59" R4) (27°15'24" R24)
R=1995.00' M, R4, R24 & R27
L=948.92' M & R27 (948.82' R4) (949.06' R24)

C18 - Δ=42°47'09" (42°47'00" R4 & R34)
R=2000.00' M, R4 & R34
L=1493.51' (1493.42' R4 & R34)

C19 - Δ=29°31'56" (29°32'20" R24)
R=2050.00' M & R24
L=1056.64' (1056.88' R24)



DUPLICATE

DUPLICATE

315

SHEET 5 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

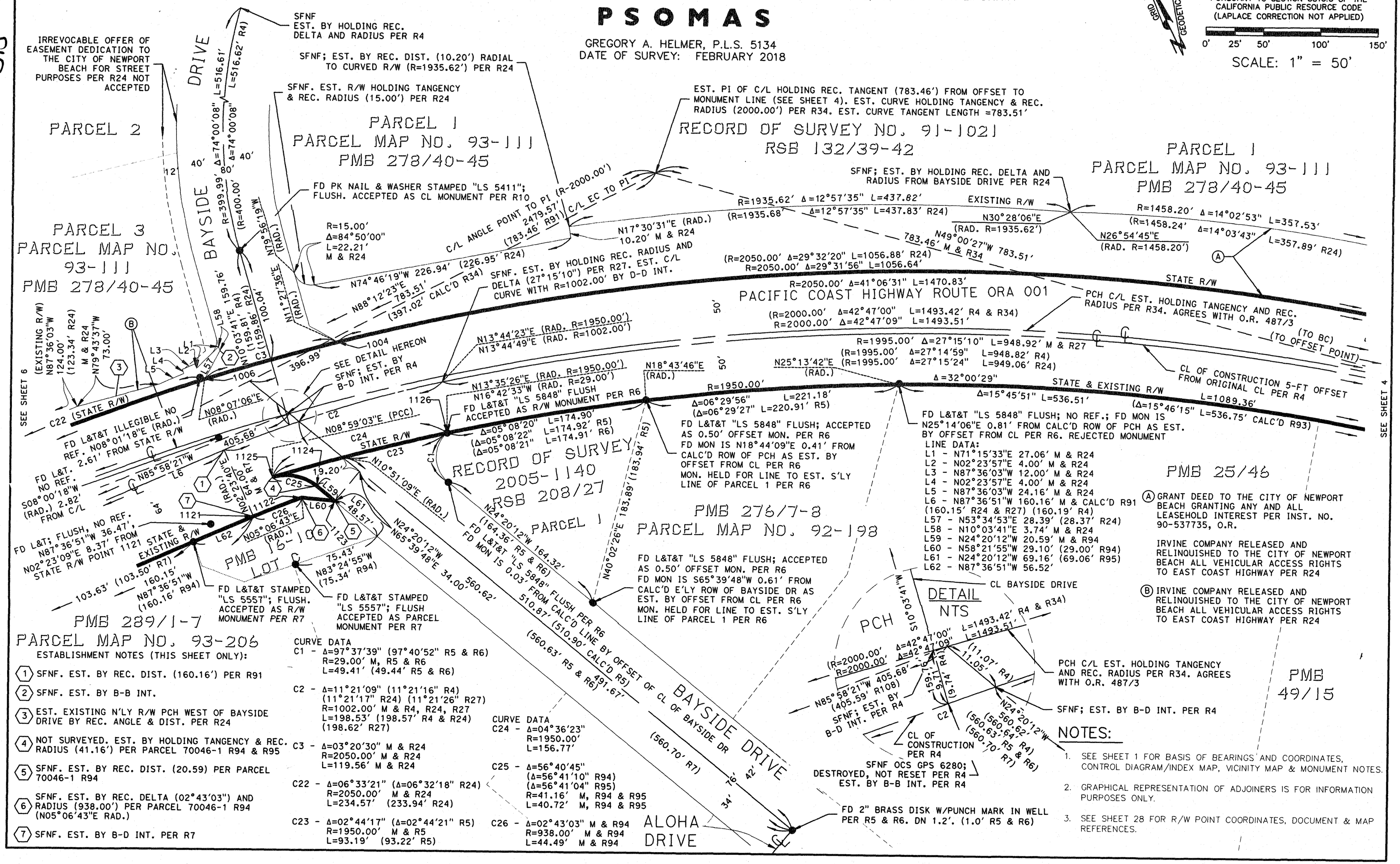
P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

GRID NORTH
GEODETIC NORTH

f MAPPING ANGLE
=-00°55'59.95"
AT POINT 6286
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE
(LAPLACE CORRECTION NOT APPLIED)

0' 25' 50' 100' 150'
SCALE: 1" = 50'



ESTABLISHMENT NOTES (THIS SHEET ONLY):

1. SFNF. EST. BY REC. DIST. (160.16') PER R91
2. SFNF. EST. BY B-B INT.
3. EST. EXISTING N'LY R/W PCH WEST OF BAYSIDE DRIVE BY REC. ANGLE & DIST. PER R24
4. NOT SURVEYED. EST. BY HOLDING TANGENCY & REC. RADIUS (41.16') PER PARCEL 70046-1 R94 & R95
5. SFNF. EST. BY REC. DIST. (20.59) PER PARCEL 70046-1 R94
6. SFNF. EST. BY REC. DELTA (02°43'03") AND RADIUS (938.00') PER PARCEL 70046-1 R94 (N05°06'43"E RAD.)
7. SFNF. EST. BY B-D INT. PER R7

CURVE DATA

C1 - Δ=97°37'39" (97°40'52" R5 & R6)
R=29.00' M, R5 & R6
L=49.41' (49.44' R5 & R6)

C2 - Δ=11°21'09" (11°21'16" R4) (11°21'17" R24) (11°21'26" R27)
R=1002.00' M & R4, R24, R27
L=198.53' (198.57' R4 & R24) (198.62' R27)

C3 - Δ=03°20'30" M & R24
R=2050.00' M & R24
L=119.56' M & R24

C22 - Δ=06°33'21" (Δ=06°32'18" R24)
R=2050.00' M & R24
L=234.57' (233.94' R24)

C23 - Δ=02°44'17" (Δ=02°44'21" R5)
R=1950.00' M & R5
L=93.19' (93.22' R5)

CURVE DATA

C24 - Δ=04°36'23"
R=1950.00'
L=156.77'

C25 - Δ=56°40'45"
(Δ=56°41'10" R94)
(Δ=56°41'04" R95)
R=41.16' M, R94 & R95
L=40.72' M, R94 & R95

C26 - Δ=02°43'03" M & R94
R=938.00' M & R94
L=44.49' M & R94

NOTES:

1. SEE SHEET 1 FOR BASIS OF BEARINGS AND COORDINATES, CONTROL DIAGRAM/INDEX MAP, VICINITY MAP & MONUMENT NOTES.
2. GRAPHICAL REPRESENTATION OF ADJOINERS IS FOR INFORMATION PURPOSES ONLY.
3. SEE SHEET 28 FOR R/W POINT COORDINATES, DOCUMENT & MAP REFERENCES.

DUPLICATE

DUPLICATE

315 9

SHEET 6 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

NOTES:

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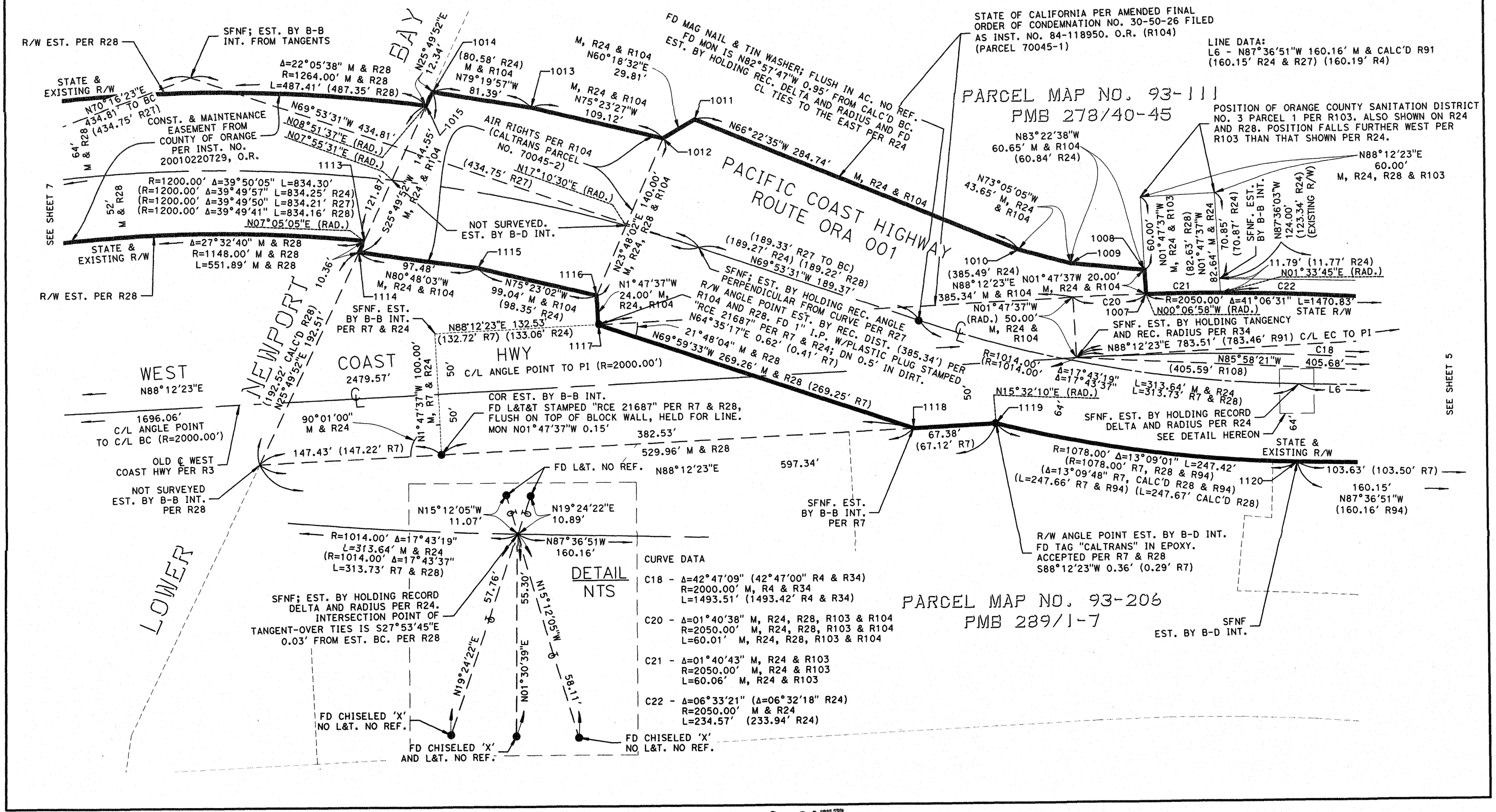
GRID NORTH / GEODETIC NORTH

f MAPPING ANGLE
=-00°55'59.95"
AT POINT 6288
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE (LAPLACE CORRECTION NOT APPLIED).

0' 25' 50' 100' 150'
SCALE: 1" = 50'



DUPLICATE

DUPLICATE

315 10

SHEET 7 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

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GRID NORTH / GEODETIC NORTH

f MAPPING ANGLE =-00°55'59.95" AT POINT 6286
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE (LAPLACE CORRECTION NOT APPLIED)

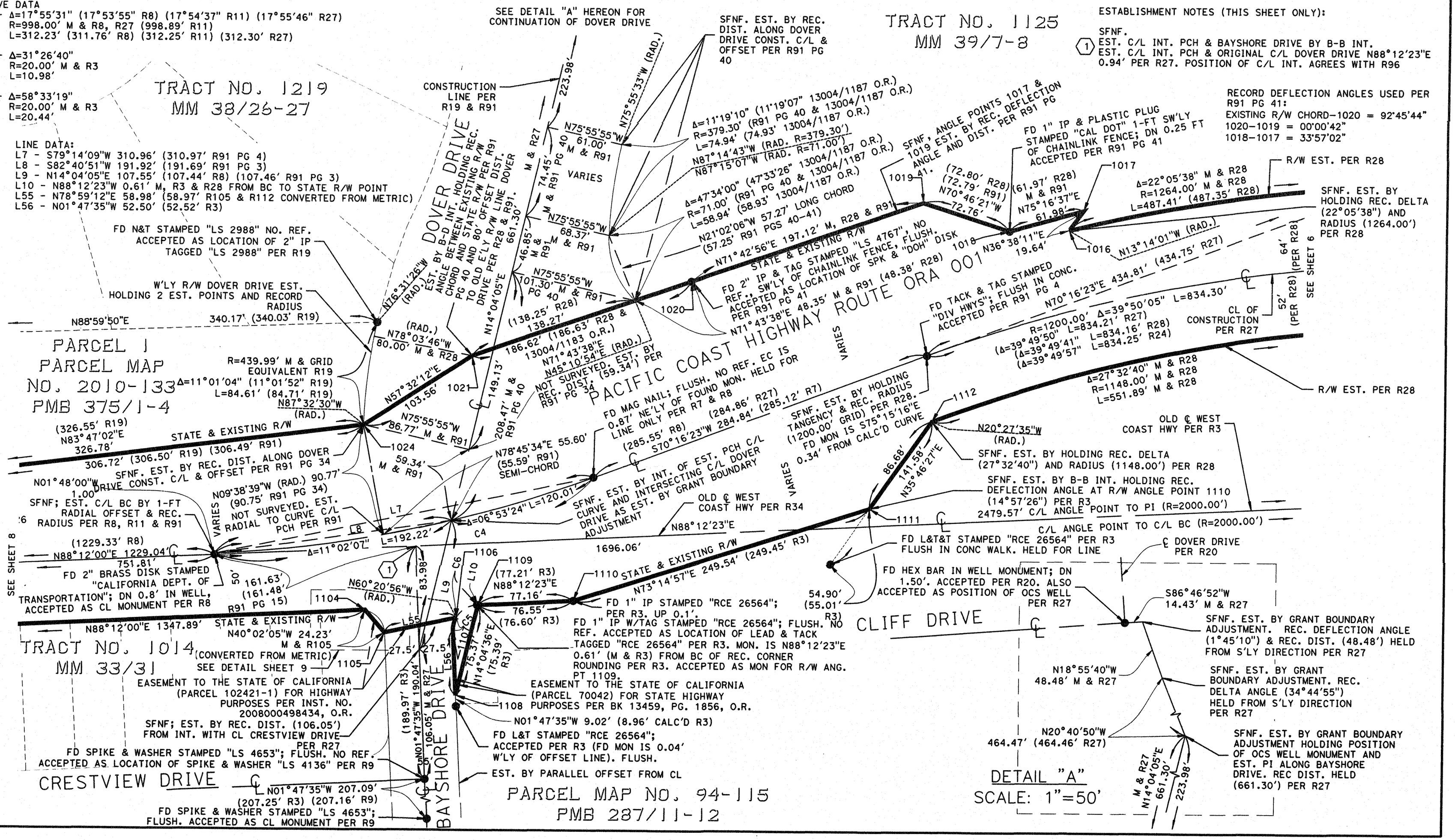
0' 25' 50' 100' 150'
SCALE: 1" = 50'

CURVE DATA
C4 - Δ=17°55'31" (17°53'55" R8) (17°54'37" R11) (17°55'46" R27)
R=998.00' M & R8, R27 (998.89' R11)
L=312.23' (311.76' R8) (312.25' R11) (312.30' R27)

C5 - Δ=31°26'40"
R=20.00' M & R3
L=10.98'

C6 - Δ=58°33'19"
R=20.00' M & R3
L=20.44'

LINE DATA:
L7 - S79°14'09"W 310.96' (310.97' R91 PG 4)
L8 - S82°40'51"W 191.92' (191.69' R91 PG 3)
L9 - N14°04'05"E 107.55' (107.44' R8) (107.46' R91 PG 3)
L10 - N88°12'23"W 0.61' M, R3 & R28 FROM BC TO STATE R/W POINT
L55 - N78°59'12"E 58.98' (58.97' R105 & R112 CONVERTED FROM METRIC)
L56 - N01°47'35"W 52.50' (52.52' R3)



DUPLICATE

DUPLICATE

315 11

315 11

SHEET 8 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

GRID NORTH
GEODETIC NORTH

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=-00°55'59.95"
AT POINT (6286)
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE (LAPLACE CORRECTION NOT APPLIED)

0' 25' 50' 100' 150'

SCALE: 1" = 50'

NOTES:

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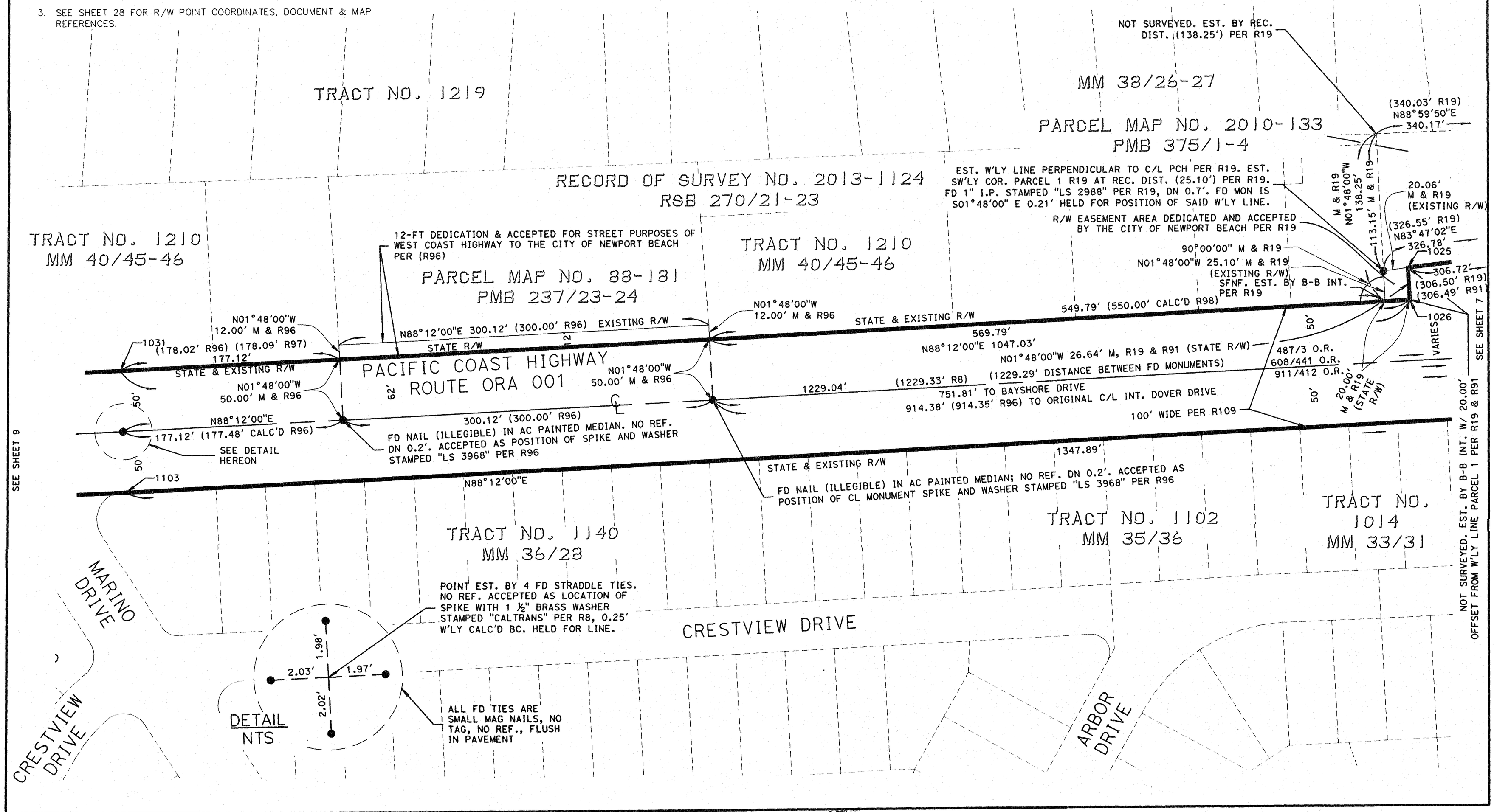
3. SEE SHEET 28 FOR R/W POINT COORDINATES, DOCUMENT & MAP REFERENCES.



DUPLICATE

DUPLICATE

315 12

SHEET 9 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

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GRID NORTH
GEODETIC NORTH

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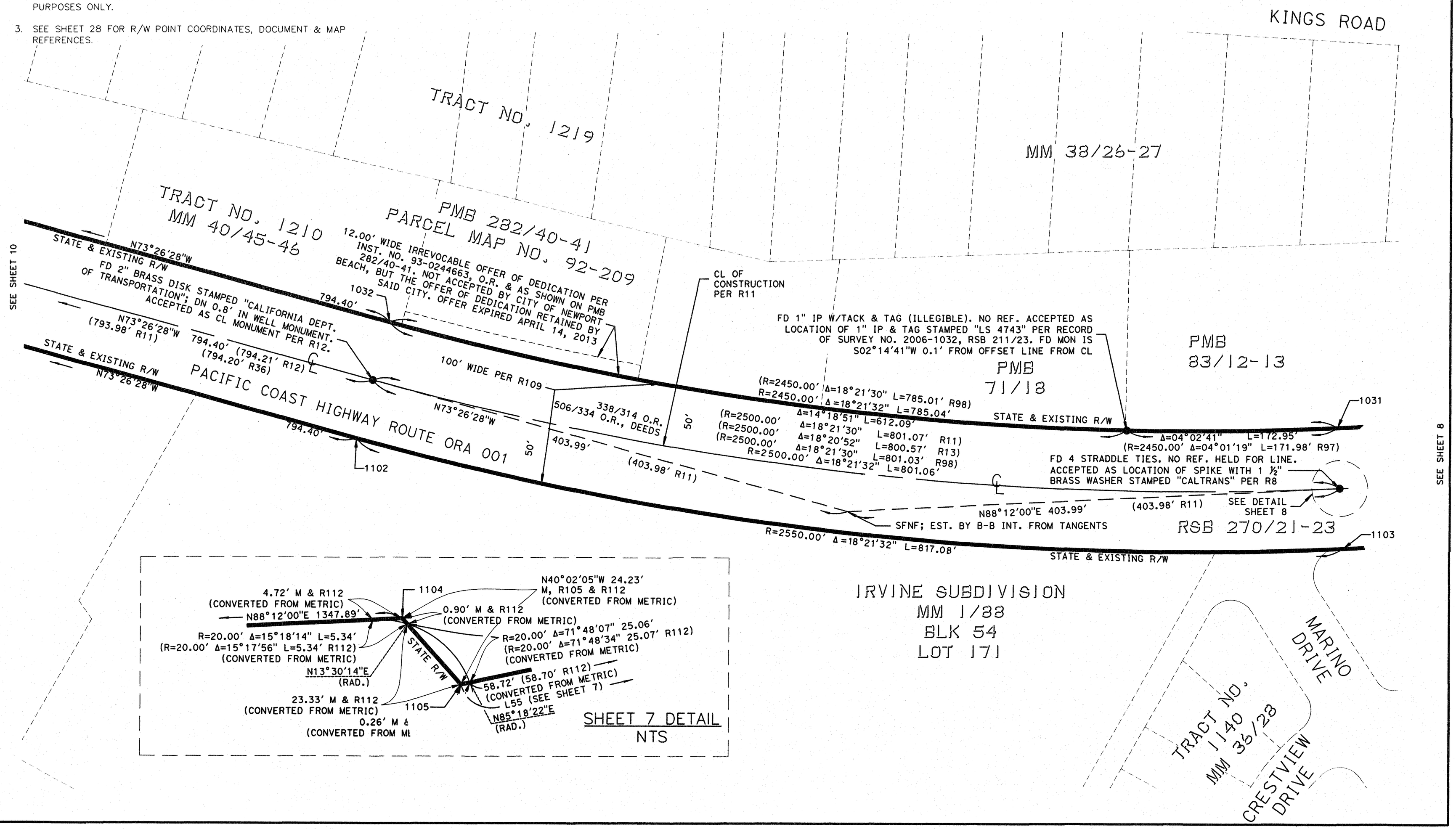

DUPLICATE

DUPLICATE

315 13

SHEET 10 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

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AT POINT (6286)
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE (LAPLACE CORRECTION NOT APPLIED)

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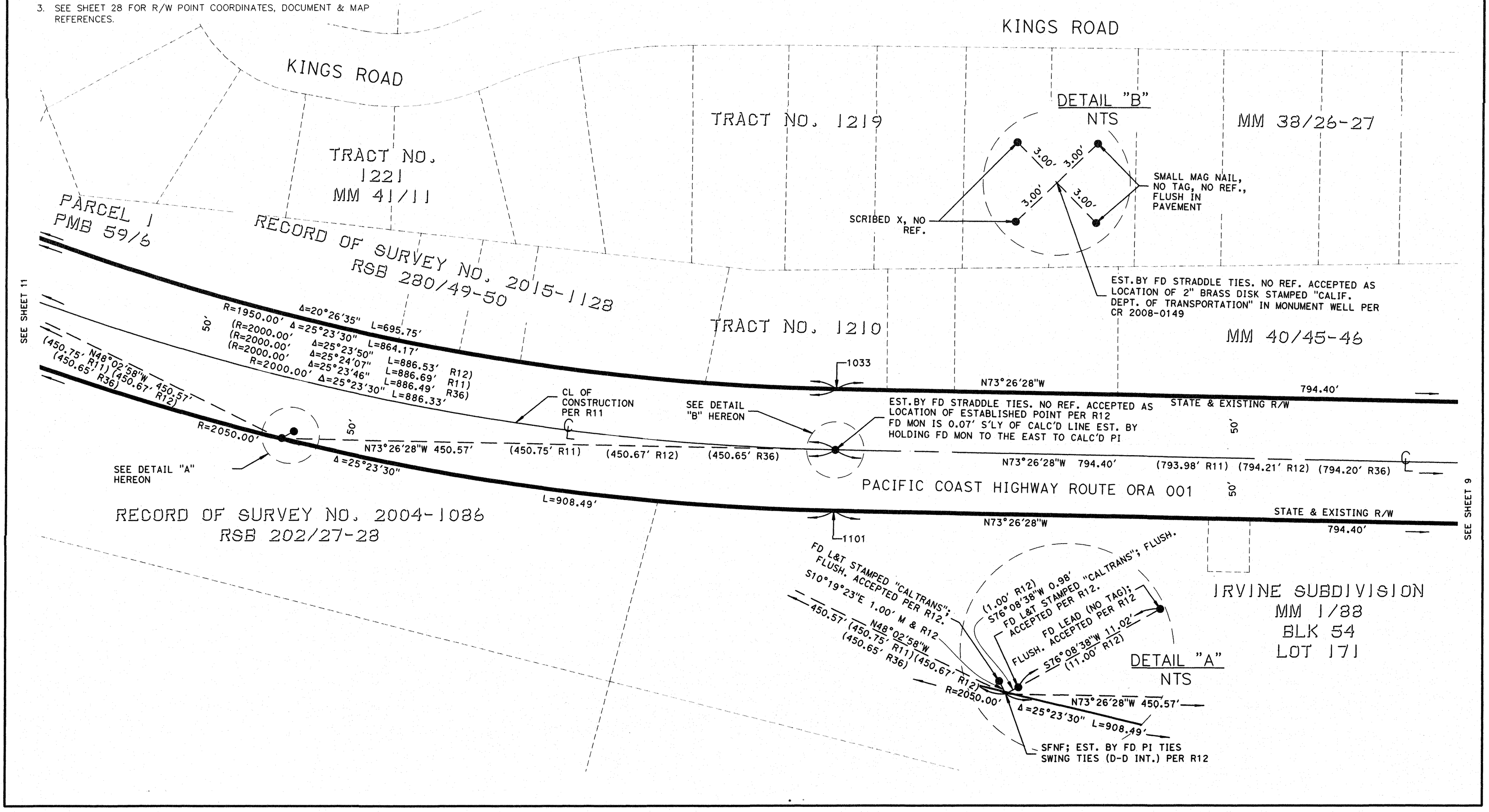

DUPLICATE

DUPLICATE

14 315 14

SHEET 11 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

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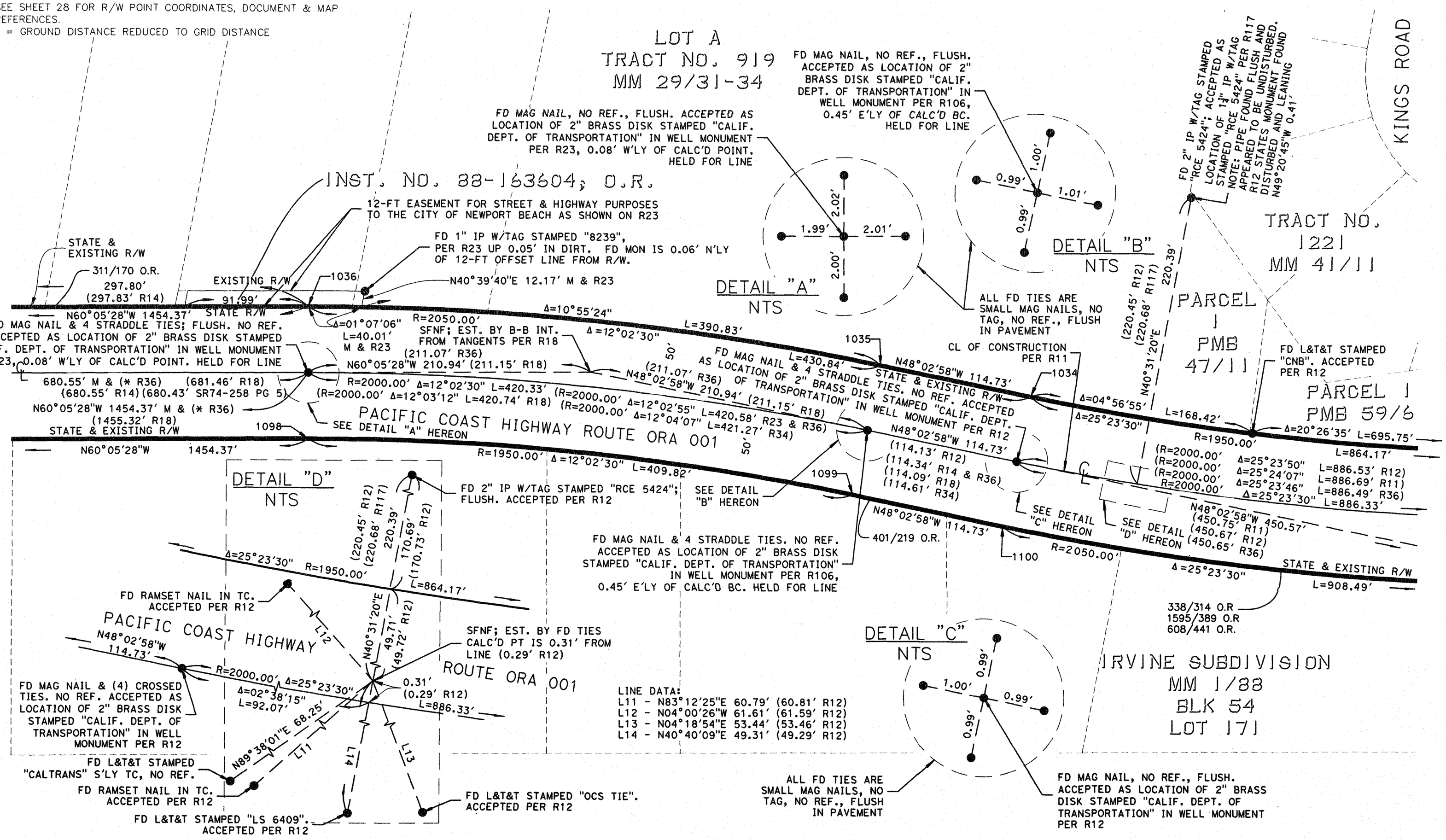
2. GRAPHICAL REPRESENTATION OF ADJOINERS IS FOR INFORMATION PURPOSES ONLY.
3. SEE SHEET 28 FOR R/W POINT COORDINATES, DOCUMENT & MAP REFERENCES.
4. * = GROUND DISTANCE REDUCED TO GRID DISTANCE



DUPLICATE

DUPLICATE

15 315 15

SHEET 12 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

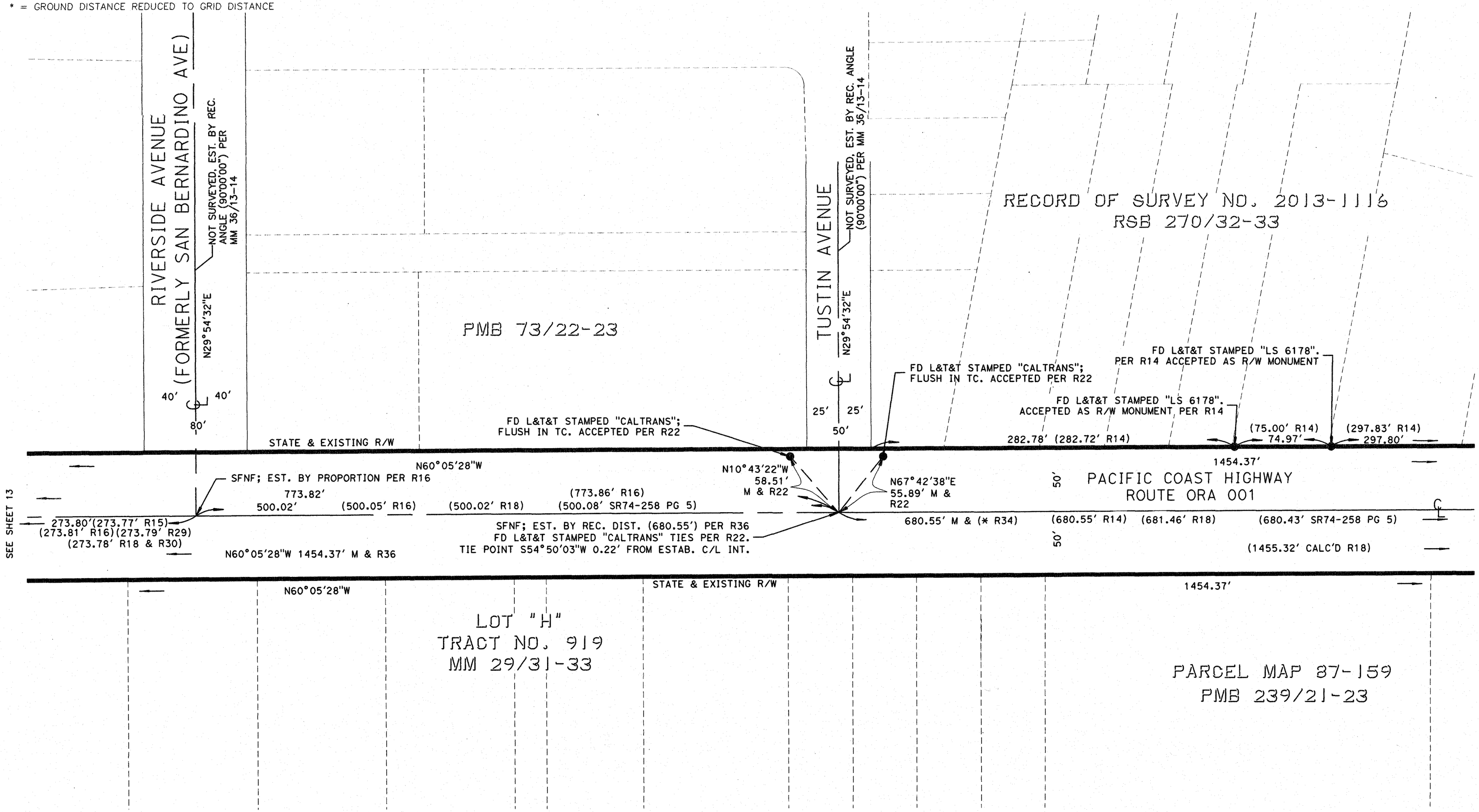
GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

f MAPPING ANGLE
=-00°55'59.95"
AT POINT (6289)
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE
(LAPLACE CORRECTION NOT APPLIED)

0' 25' 50' 100' 150'
SCALE: 1" = 50'

NOTES:

1. SEE SHEET 1 FOR BASIS OF BEARINGS AND COORDINATES, CONTROL DIAGRAM/INDEX MAP, VICINITY MAP & MONUMENT NOTES.
2. GRAPHICAL REPRESENTATION OF ADJOINERS IS FOR INFORMATION PURPOSES ONLY.
3. SEE SHEET 28 FOR R/W POINT COORDINATES, DOCUMENT & MAP REFERENCES.
4. * = GROUND DISTANCE REDUCED TO GRID DISTANCE



DUPLICATE

DUPLICATE

SHEET 13 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

NOTES:

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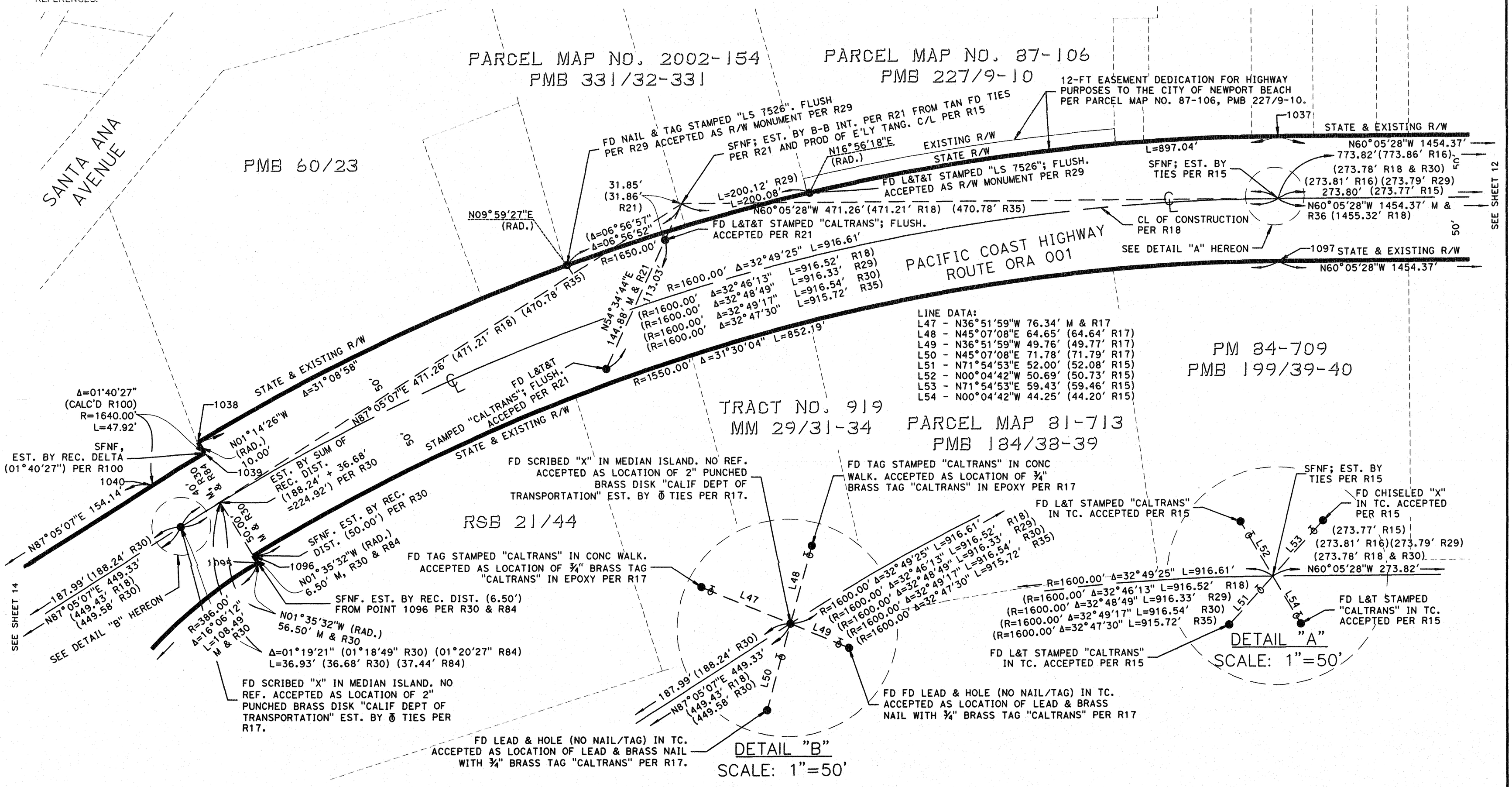
GRID NORTH / GEODETIC NORTH

f MAPPING ANGLE
=-00°55'59.95"
AT POINT (6286)
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE
(LAPLACE CORRECTION NOT APPLIED)

0' 25' 50' 100' 150'

SCALE: 1" = 50'



DUPLICATE

DUPLICATE

315

17

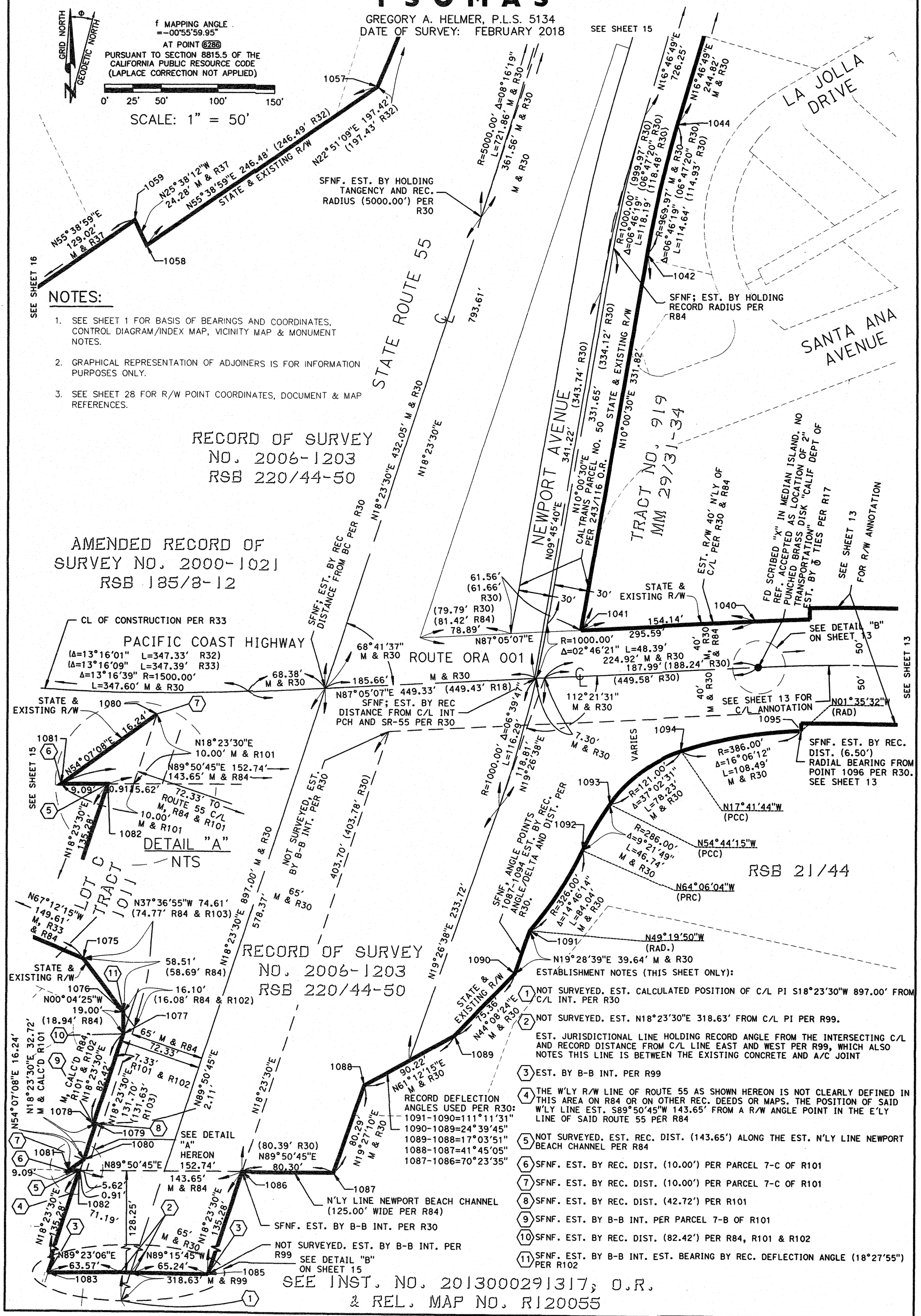
SHEET 14 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018



NOTES:

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2. GRAPHICAL REPRESENTATION OF ADJOINERS IS FOR INFORMATION PURPOSES ONLY.
3. SEE SHEET 28 FOR R/W POINT COORDINATES, DOCUMENT & MAP REFERENCES.

ESTABLISHMENT NOTES (THIS SHEET ONLY):

1. NOT SURVEYED. EST. CALCULATED POSITION OF C/L PI S18°23'30"W 897.00' FROM C/L INT. PER R30
2. NOT SURVEYED. EST. N18°23'30"E 318.63' FROM C/L PI PER R99.
   EST. JURISDICTIONAL LINE HOLDING RECORD ANGLE FROM THE INTERSECTING C/L AND RECORD DISTANCE FROM C/L LINE EAST AND WEST PER R99, WHICH ALSO NOTES THIS LINE IS BETWEEN THE EXISTING CONCRETE AND A/C JOINT
3. EST. BY B-B INT. PER R99
4. THE W'LY R/W LINE OF ROUTE 55 AS SHOWN HEREON IS NOT CLEARLY DEFINED IN THIS AREA ON R84 OR ON OTHER REC. DEEDS OR MAPS. THE POSITION OF SAID W'LY LINE EST. S89°50'45"W 143.65' FROM A R/W ANGLE POINT IN THE E'LY LINE OF SAID ROUTE 55 PER R84
5. NOT SURVEYED. EST. REC. DIST. (143.65') ALONG THE EST. N'LY LINE NEWPORT BEACH CHANNEL PER R84
6. SFNF. EST. BY REC. DIST. (10.00') PER PARCEL 7-C OF R101
7. SFNF. EST. BY REC. DIST. (10.00') PER PARCEL 7-C OF R101
8. SFNF. EST. BY REC. DIST. (42.72') PER R101
9. SFNF. EST. BY B-B INT. PER PARCEL 7-B OF R101
10. SFNF. EST. BY REC. DIST. (82.42') PER R84, R101 & R102
11. SFNF. EST. BY B-B INT. EST. BEARING BY REC. DEFLECTION ANGLE (18°27'55") PER R102

RECORD DEFLECTION ANGLES USED PER R30:
1091-1090=111°11'31"
1090-1089=24°39'45"
1089-1088=17°03'51"
1088-1087=41°45'05"
1087-1086=70°23'35"

DUPLICATE

315

17

DUPLICATE

315

18

SHEET 15 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

NOTES:

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3. SEE SHEET 28 FOR R/W POINT COORDINATES, DOCUMENT & MAP REFERENCES.

ESTABLISHMENT NOTES (DETAIL "B"):

(2) NOT SURVEYED. C/L INSTERSECT EST. N18°23'30"E 318.63' FROM C/L PI PER R99.

EST. JURISDICTIONAL LINE HOLDING RECORD ANGLE FROM THE INTERSECTING C/L AND RECORD DISTANCE FROM C/L LINE EAST AND WEST PER R99, WHICH ALSO NOTES THIS LINE IS BETWEEN THE EXISTING CONCRETE AND A/C JOINT

(3) EST. BY B-B INT. PER R99

(12) EST. AT RECORD DISTANCE (206.40') PER R99

(13) EST. PERPENDICULAR TO C/L WITH REC. DIST. (2.00') PER R99

f MAPPING ANGLE
=-00°55'59.95"
AT POINT (6286)
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE (LAPLACE CORRECTION NOT APPLIED)

0' 25' 50' 100' 150'
SCALE: 1" = 50'

GRID NORTH
GEODETIC NORTH

HOSPITAL ROAD

STATE ROUTE 55

NEWPORT AVENUE (R84)

WESTMINSTER AVENUE

HOLMWOOD DRIVE

CATALINA DRIVE

PARCEL MAP 81-710
PMB 163/44-45

R-35 RELINQUISHED TO THE CITY OF NEWPORT BEACH PER 2666/585, O.R.

REL-980
BK. 11728
PG 1481, O.R.

FD WELL MON & 2-INCH BRASS DISK CL HOSPITAL RD W/O NEWPORT BLVD; DN 1.0-FT. ACCEPTED AS C/L MONUMENT PER R32

FD WELL MON & 2-INCH BRASS DISK INT HOSPITAL RD & NEWPORT BLVD; DN 1.2-FT. ACCEPTED AS C/L MONUMENT PER R32

FD L&T IN CONC; FLUSH. ACCEPTED AS C/L MONUMENT PER CORNER RECORD NO. 2004-0385 MONUMENT IS 0.12' WESTERLY OF THE C/L INT OF HOSPITAL RD AND OLD NEWPORT BLVD

FD NAIL IN CONC; FLUSH. ACCEPTED AS MONUMENT PER R30.

FD BOLT SPIKE NO WASHER AT CL OLD NEWPORT BLVD APPARENT BC; FLUSH IN CONC. ACCEPTED AS C/L MONUMENT PER R30 AND CORNER RECORD NO. 2004-0385

SEE SHEET 14

DETAIL "B"
FROM SHEET 14
NOT TO SCALE

DUPLICATE

DUPLICATE

315

19

SHEET 16 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

f MAPPING ANGLE
=-00°55'59.95"
AT POINT 6286
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE
(LAPLACE CORRECTION NOT APPLIED)

GRID NORTH — GEODETIC NORTH

0' 25' 50' 100' 150'

SCALE: 1" = 50'

NOTES:

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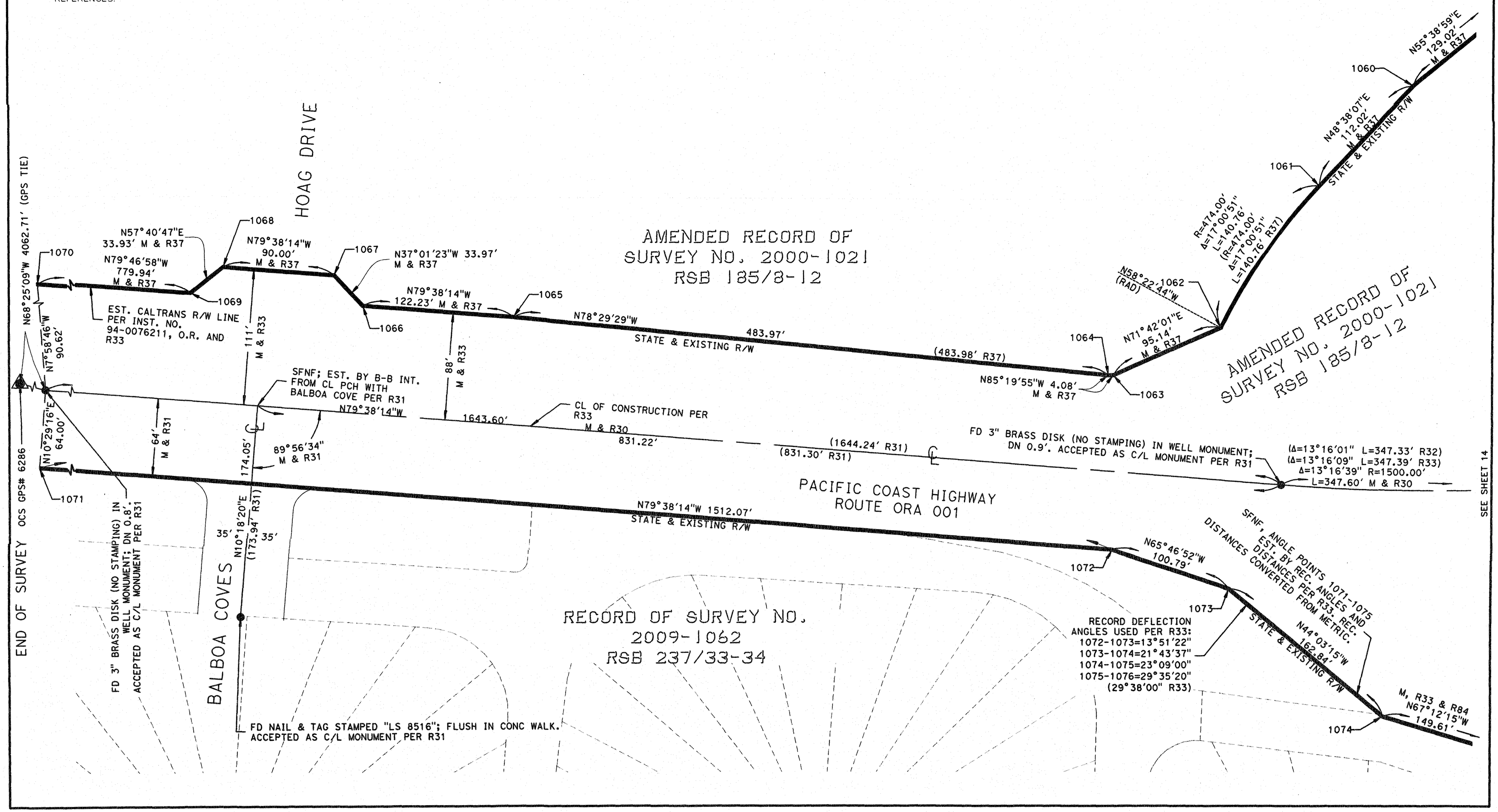
3. SEE SHEET 28 FOR R/W POINT COORDINATES, DOCUMENT & MAP REFERENCES.



DUPLICATE

DUPLICATE

315 20

SHEET 17 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

GRID NORTH
GEODETIC NORTH
θ

f MAPPING ANGLE
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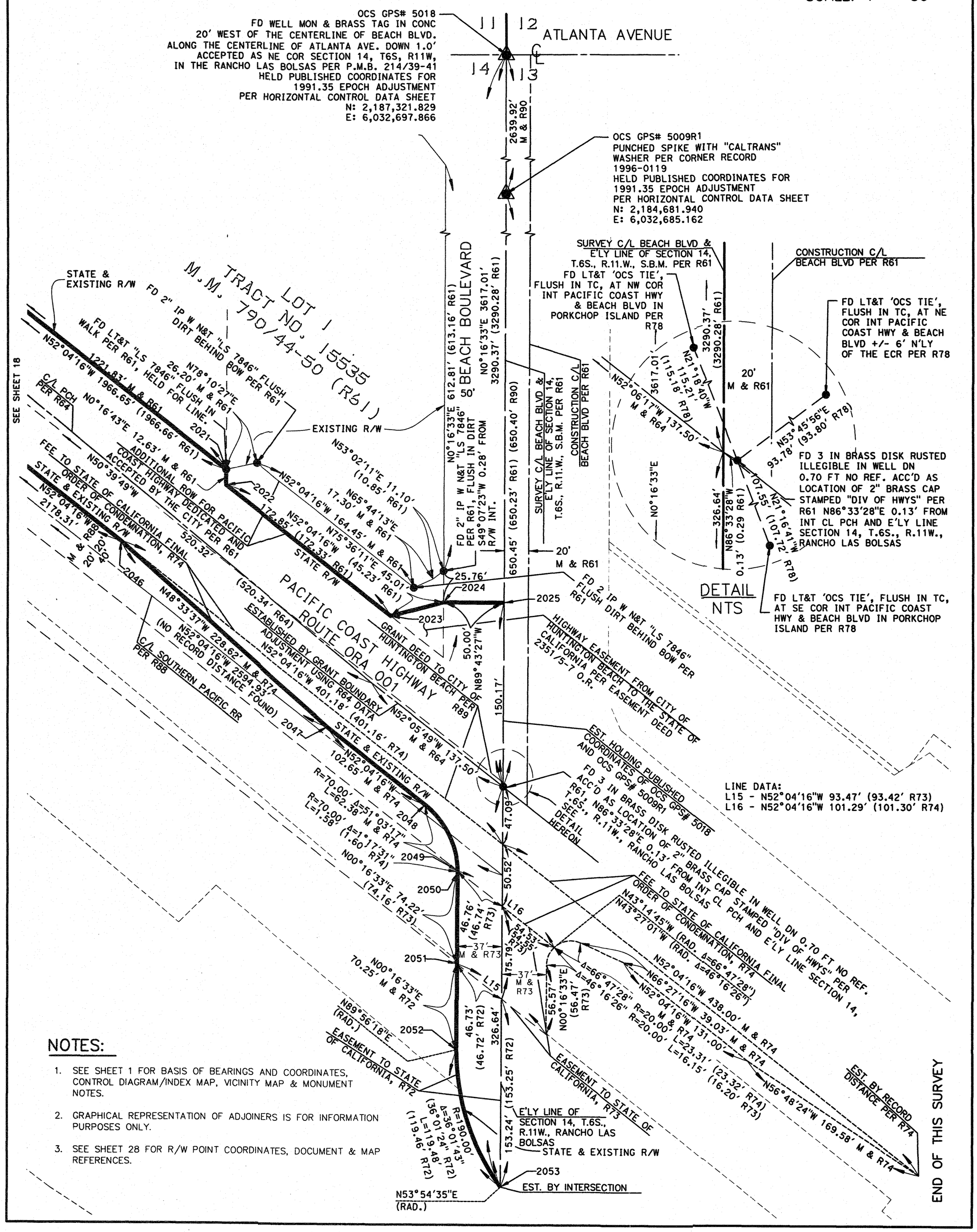

LINE DATA:
L15 - N52°04'16"W 93.47' (93.42' R73)
L16 - N52°04'16"W 101.29' (101.30' R74)

NOTES:

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3. SEE SHEET 28 FOR R/W POINT COORDINATES, DOCUMENT & MAP REFERENCES.

315 20

DUPLICATE

DUPLICATE

315

21

SHEET 18 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

GEODETIC NORTH
GRID NORTH

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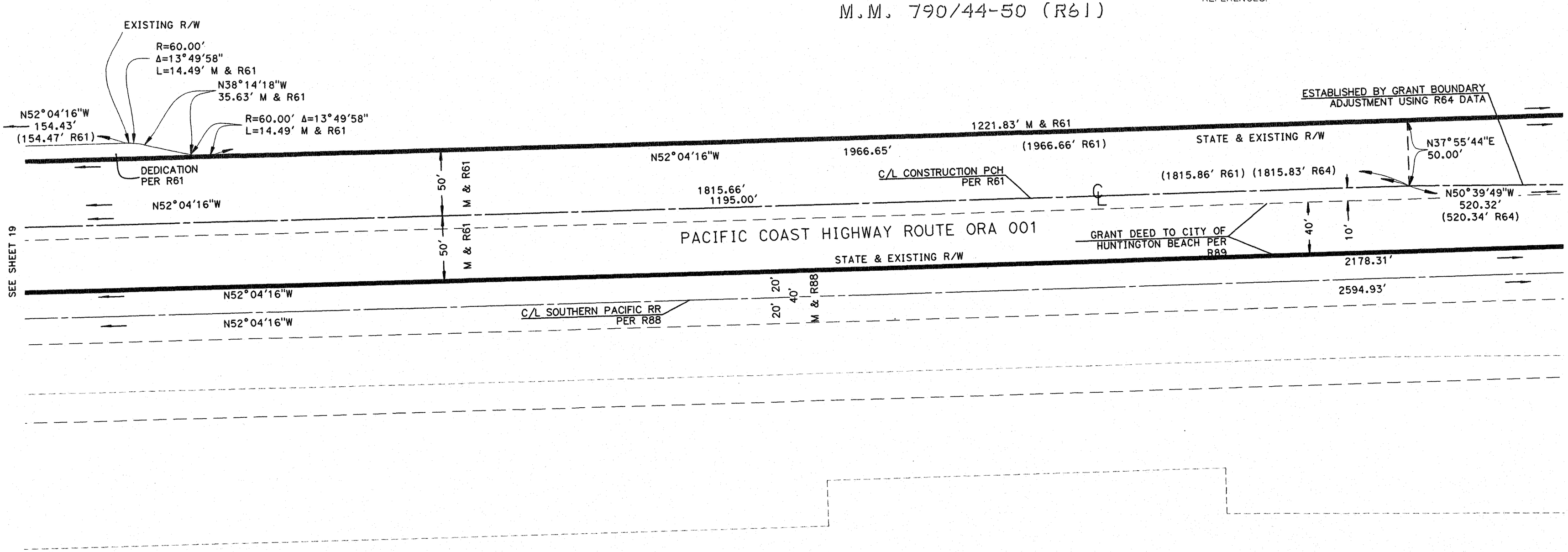
LOT 1
TRACT NO. 15535
M.M. 790/44-50 (R61)



DUPLICATE

DUPLICATE

315 22

SHEET 19 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

f MAPPING ANGLE
=-00°55'59.95"
AT POINT (6288)
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE
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SCALE: 1" = 50'

NOTES:

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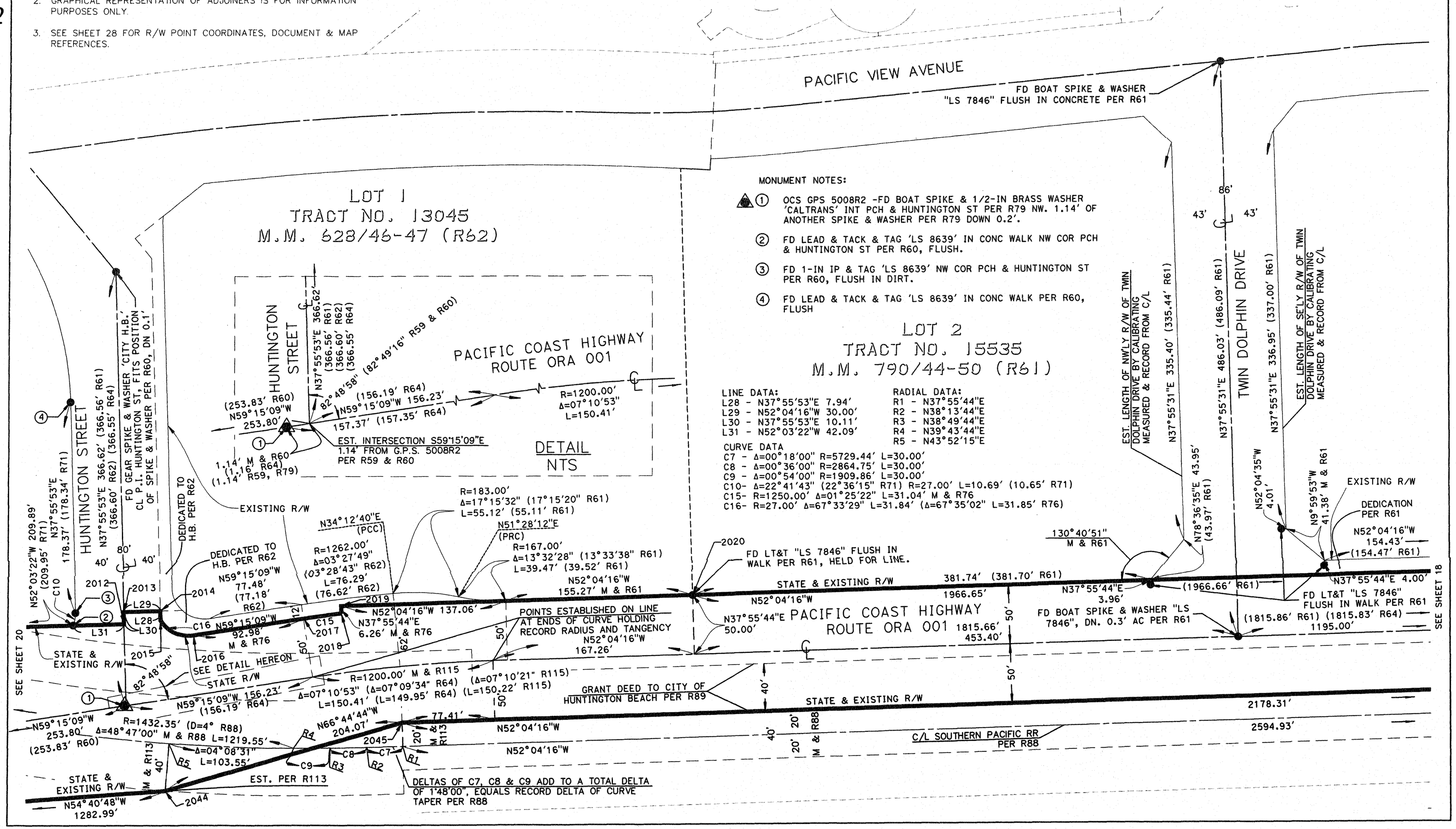

DUPLICATE

DUPLICATE

315 23

SHEET 20 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

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4° RAILROAD CURVE PER R88
OVERALL CURVE = 52°23'
TAPER 2 IN = 1°48'
CURVE = 48°47'
TAPER 2 OUT = 1°48'

CURVE DATA
C11 - R=1909.86' Δ=0°54'00" L=30.00'
C12 - R=2864.75' Δ=0°36'00" L=30.00'
C13 - R=5729.44' Δ=0°18'00" L=30.00'
} TAPER 2 1°48'00" PER R88

NOTES:

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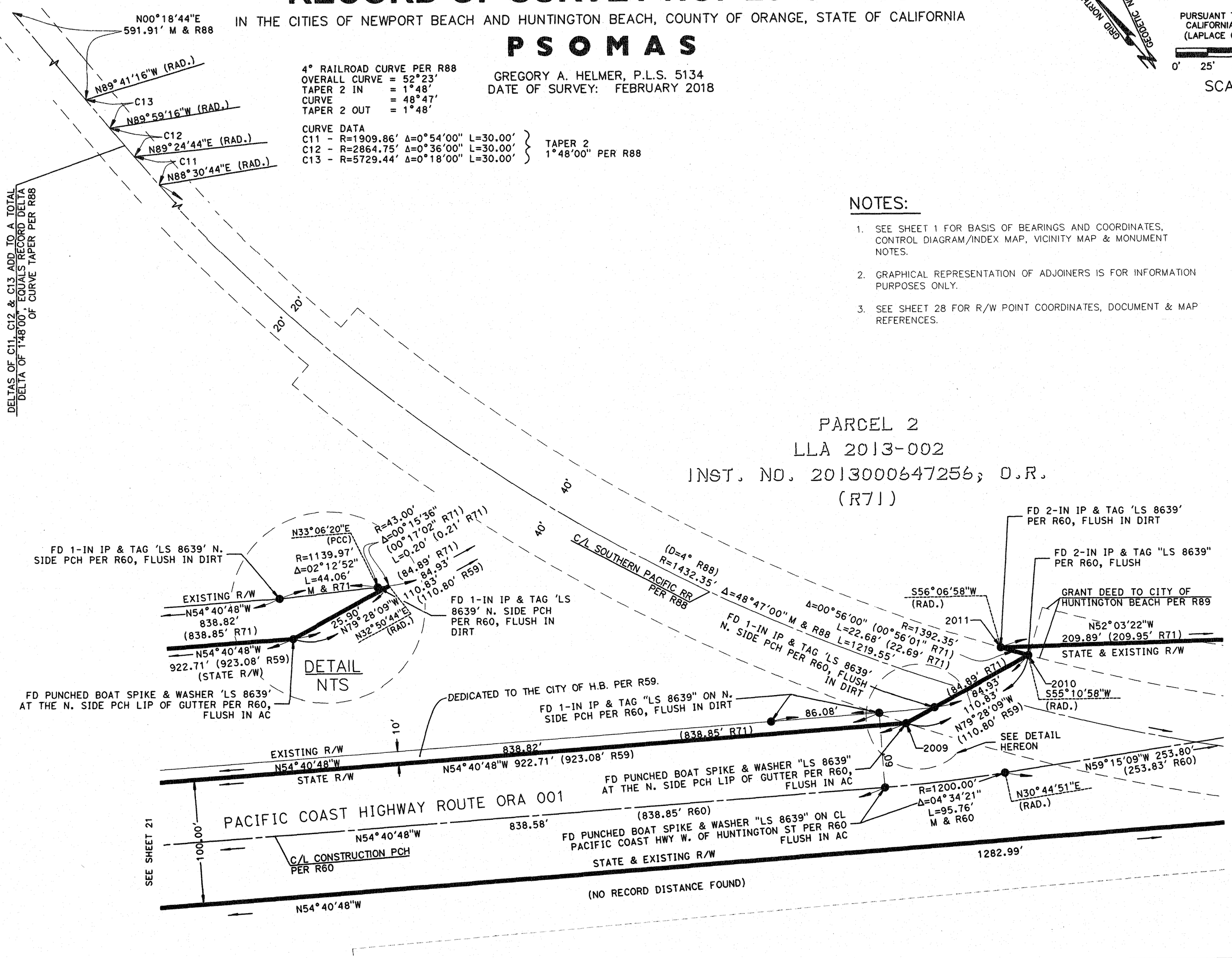

DUPLICATE

DUPLICATE

24 315 24

315

SHEET 21 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

GRID NORTH
GEODETIC NORTH

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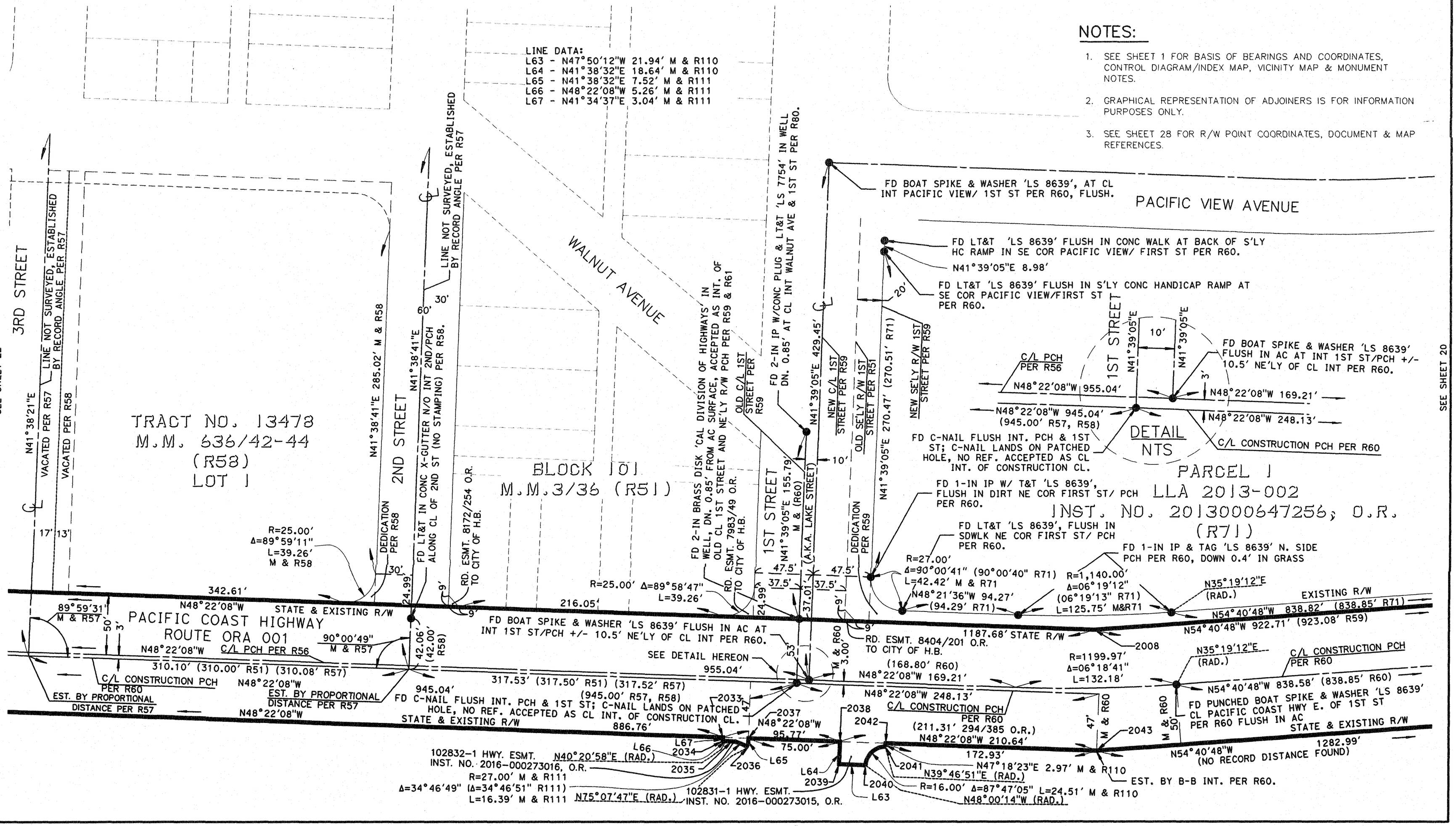

DUPLICATE

DUPLICATE

25 315 25

SHEET 22 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

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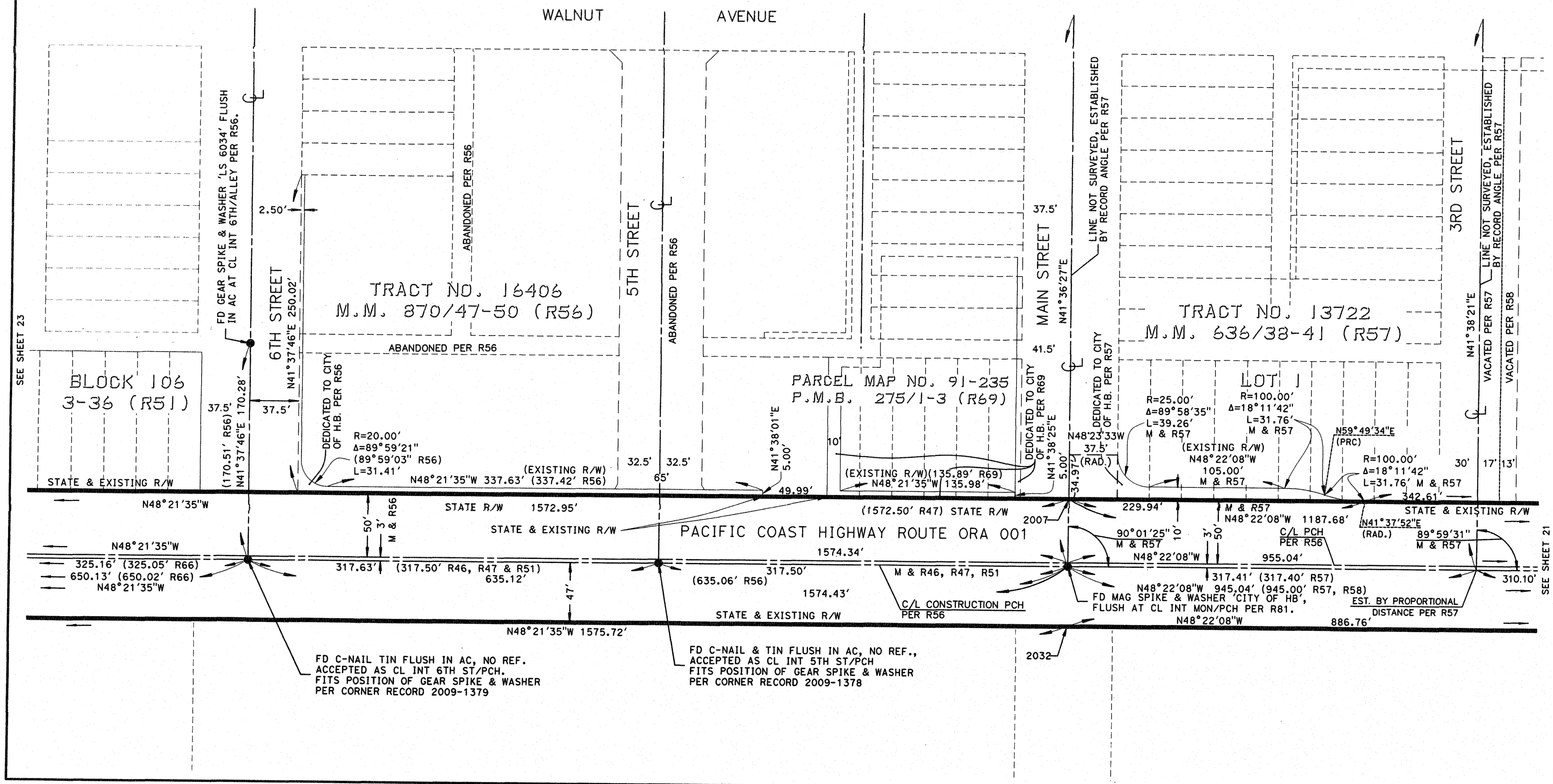

DUPLICATE

DUPLICATE

SHEET 23 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

PSOMAS

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

GRID NORTH
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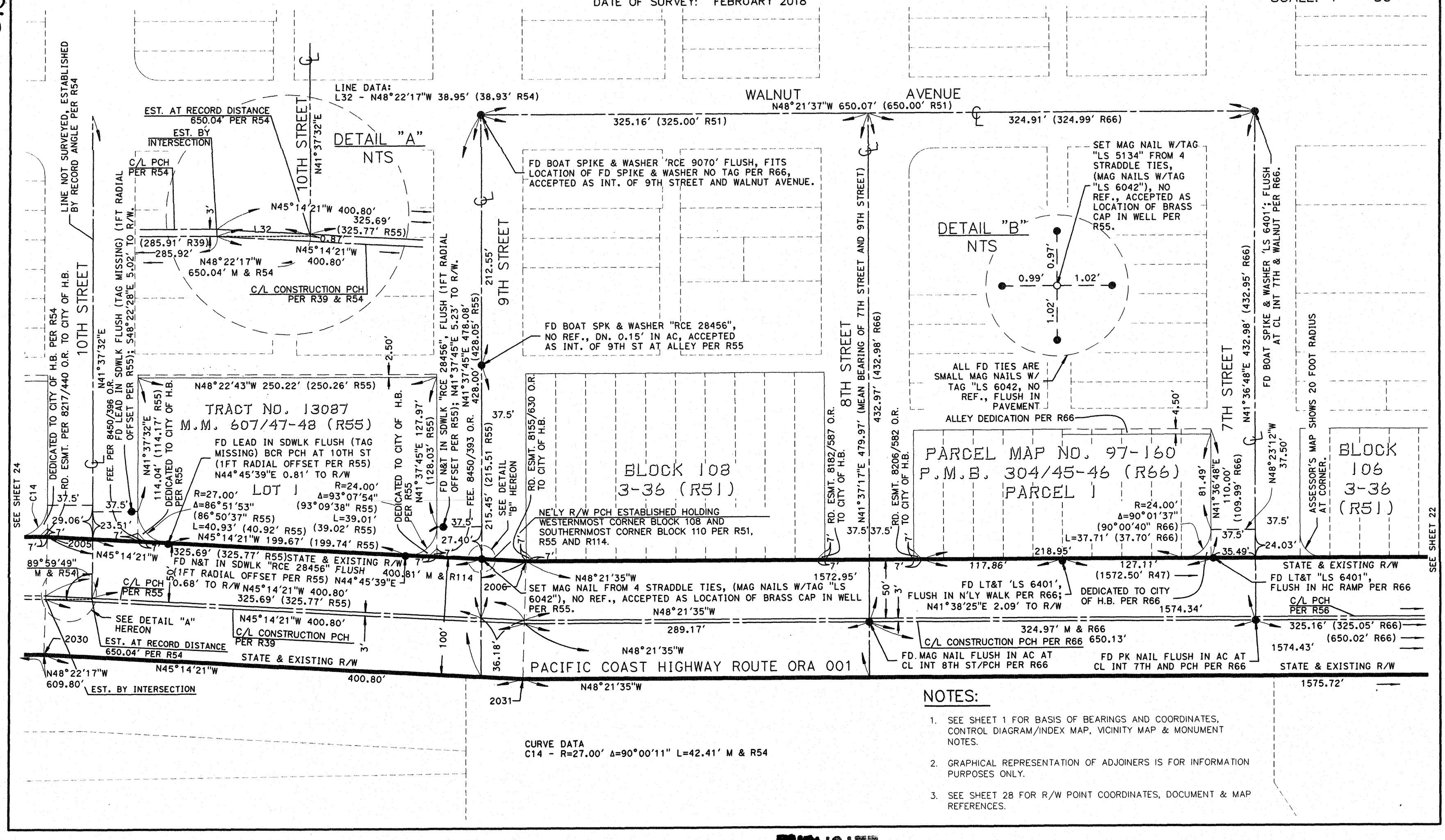

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CURVE DATA
C14 - R=27.00' Δ=90°00'11" L=42.41' M & R54

DUPLICATE

DUPLICATE

315 27

SHEET 24 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

PSOMAS

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

f MAPPING ANGLE
=-00°55'59.95"
AT POINT (6280)
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE
(LAPLACE CORRECTION NOT APPLIED)

GEODETIC NORTH
GRID NORTH

0' 25' 50' 100' 150'
SCALE: 1" = 50'

NOTES:

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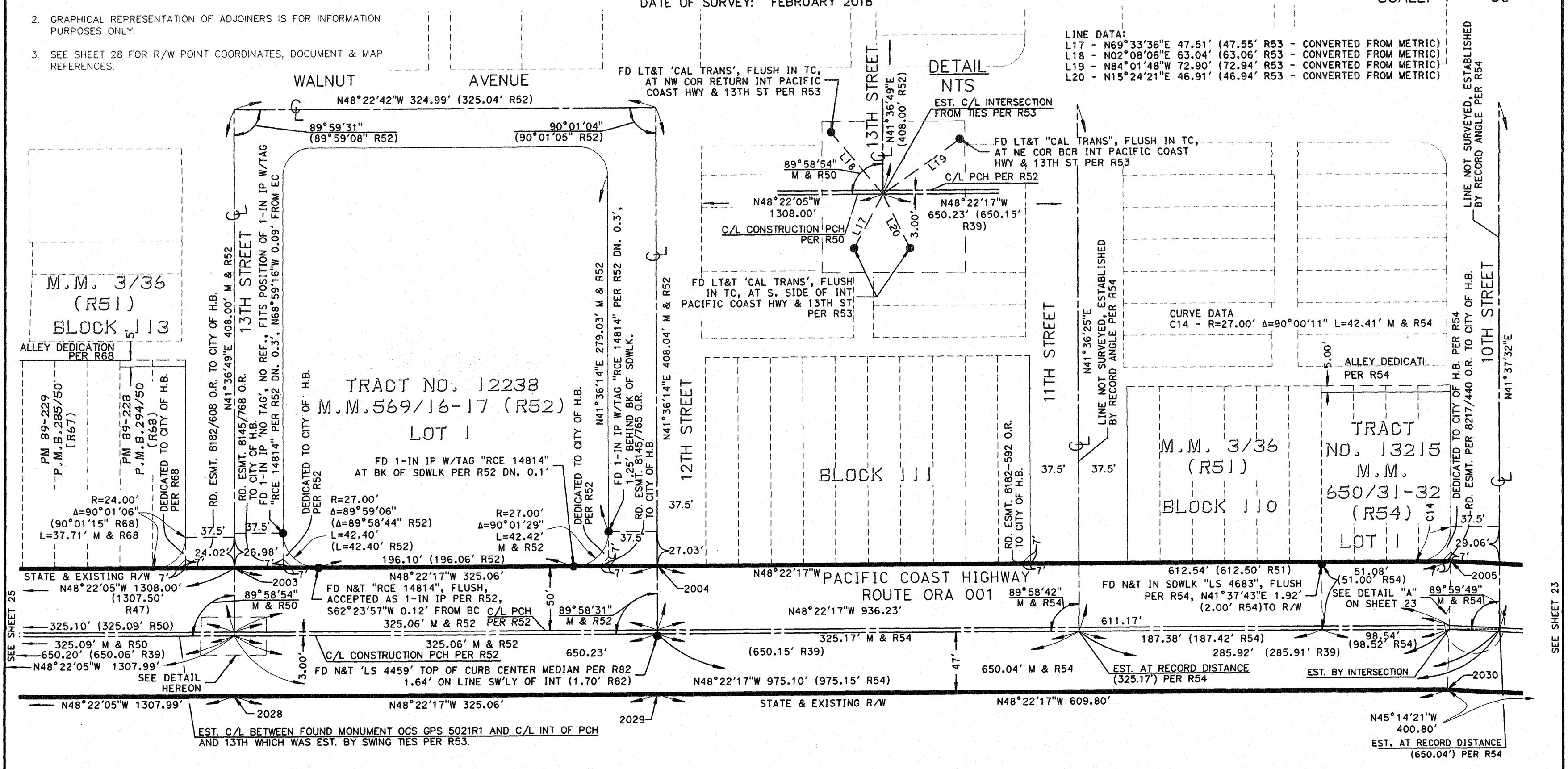

DUPLICATE

DUPLICATE

315

28

SHEET 25 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

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DATE OF SURVEY: FEBRUARY 2018

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GEODETIC NORTH
GRID NORTH

0' 25' 50' 100' 150'
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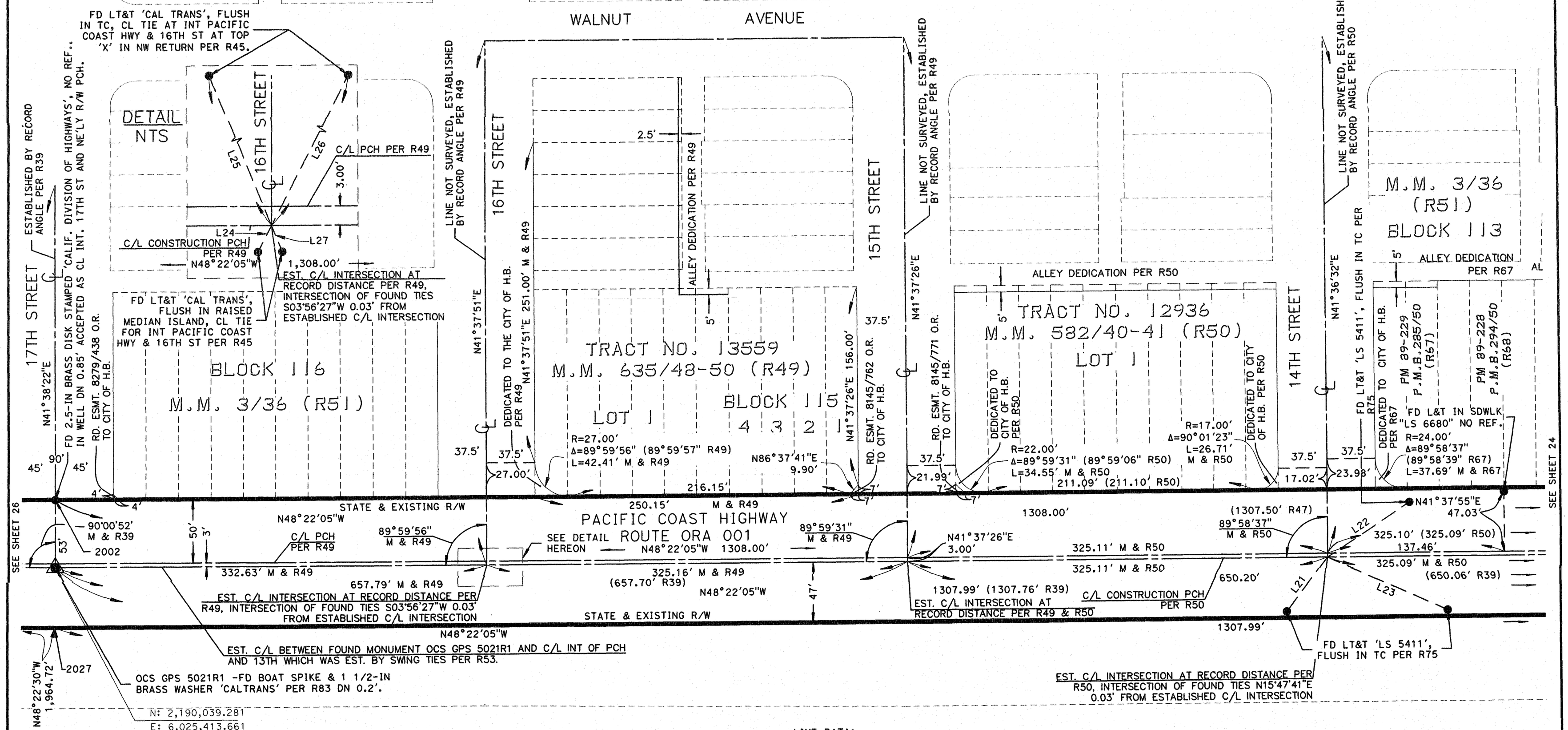

LINE DATA:
L21 - N78°52'37"E 52.96' (52.98' R75)
L22 - N81°57'05"W 76.83' (76.78' R75)
L23 - N23°56'15"W 101.75' (101.76' R75)
L24 - N68°45'37"E 4.66' (4.64' R45)
L25 - N19°23'26"E 66.91' (66.96' R45)
L26 - N68°32'42"E 66.79' (66.85' R45)
L27 - N19°37'40"E 4.43' M & R45

DUPLICATE

DUPLICATE

SHEET 26 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

PSOMAS

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

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AT POINT 6286
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE
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GRID NORTH
GEODETIC NORTH

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SCALE: 1" = 50'

NOTES:

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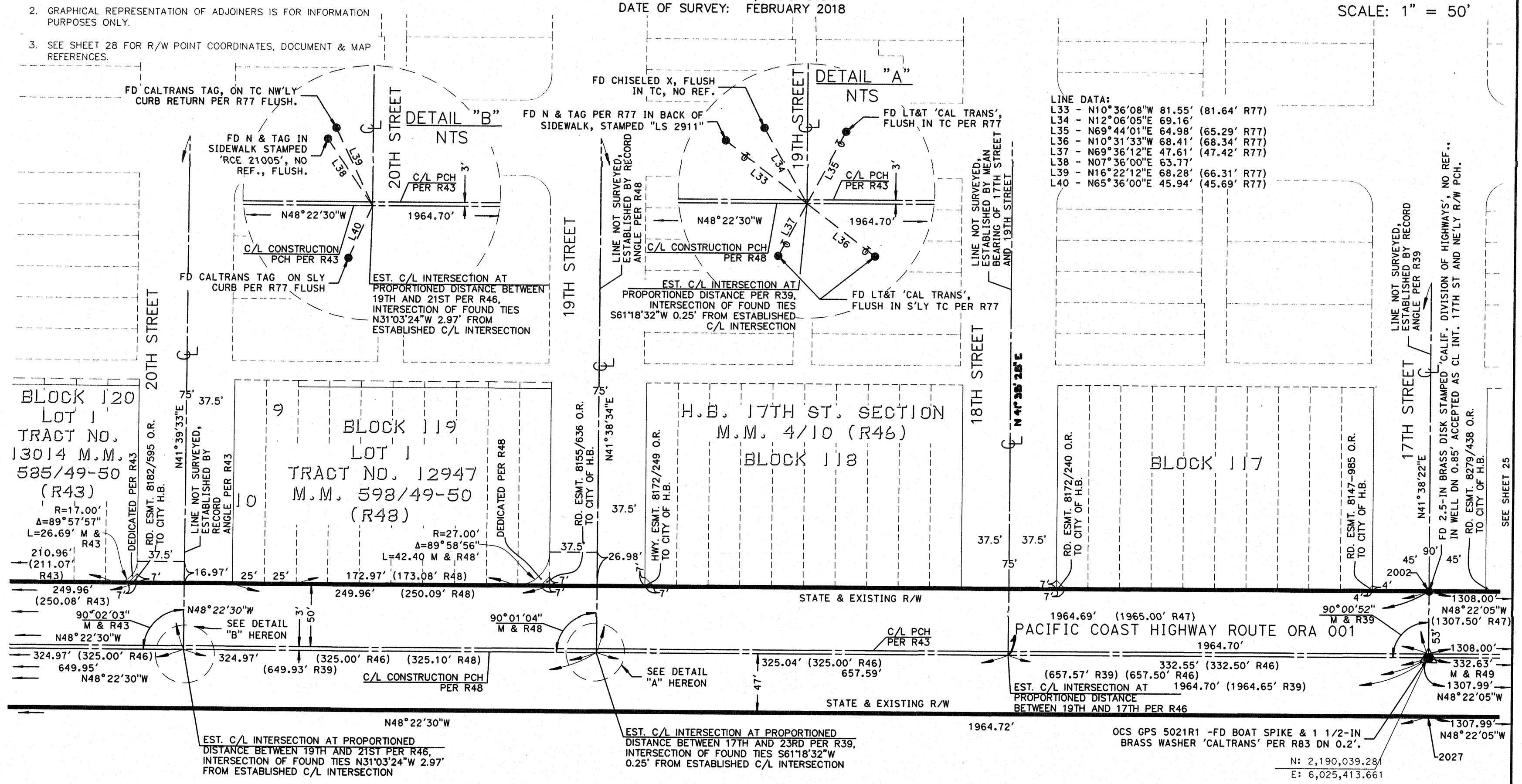


DUPLICATE

DUPLICATE

SHEET 27 OF 28 SHEETS
SCALE 1"=50'

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

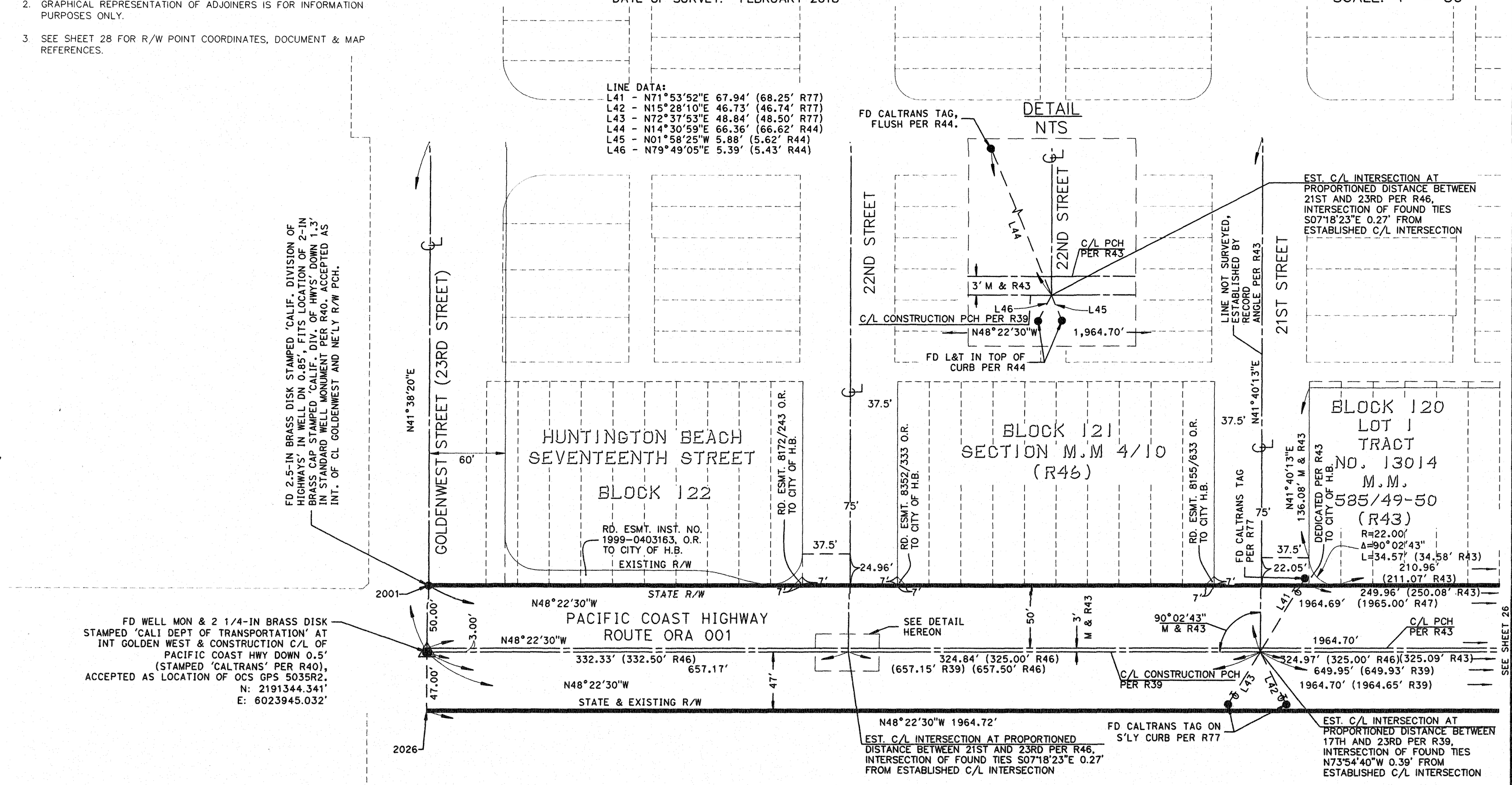
NOTES:

1. SEE SHEET 1 FOR BASIS OF BEARINGS AND COORDINATES, CONTROL DIAGRAM/INDEX MAP, VICINITY MAP & MONUMENT NOTES.
2. GRAPHICAL REPRESENTATION OF ADJOINERS IS FOR INFORMATION PURPOSES ONLY.
3. SEE SHEET 28 FOR R/W POINT COORDINATES, DOCUMENT & MAP REFERENCES.

f MAPPING ANGLE
=-00°55'59.95"
AT POINT (6286)
PURSUANT TO SECTION 8815.5 OF THE CALIFORNIA PUBLIC RESOURCE CODE (LAPLACE CORRECTION NOT APPLIED)

GEODETIC NORTH
GRID NORTH

0' 25' 50' 100' 150'
SCALE: 1" = 50'



DUPLICATE

DUPLICATE

RECORD OF SURVEY NO. 2019-1005

IN THE CITIES OF NEWPORT BEACH AND HUNTINGTON BEACH, COUNTY OF ORANGE, STATE OF CALIFORNIA

P S O M A S

GREGORY A. HELMER, P.L.S. 5134
DATE OF SURVEY: FEBRUARY 2018

REFERENCES:

R1= TRACT NO. 11937; MM 656/PG 24-29
R2= PARCEL MAP NO. 95-137; PMB 305/30-31
R3= PARCEL MAP NO. 94-115; PMB 287/11-12
R4= RECORD OF SURVEY NO. 91-1021; RSB 132/39-42
R5= PARCEL MAP NO. 92-198; PMB 276/7-8
R6= RECORD OF SURVEY NO. 2005-1140; RSB 208/27
R7= PARCEL MAP NO. 93-206; PMB 289/1-7
R8= RECORD OF SURVEY NO. 2013-1124; RSB 270/21-23
R9= CORNER RECORD; CR 2007-0307
R10= CORNER RECORD; CR 2004-0494
R11= SURVEY CONTROL MAP NO. ORA 001-18.5
R12= RECORD OF SURVEY NO. 2015-1128; RSB 280/49-50
R13= PARCEL MAP NO. 92-209; PMB 282/40-41
R14= RECORD OF SURVEY NO. 2013-1116; RSB 270/32-33
R15= CORNER RECORD; CR 97-006
R16= RECORD OF SURVEY NO. 2010-1090; RSB 249/23-25
R17= CORNER RECORD; CR 2005-1032
R18= SURVEY CONTROL MAP NO. ORA 001-19.1
R19= PARCEL MAP NO. 2010-133; PMB 375/1-4
R20= CORNER RECORD; CR 2016-0190
R21= CORNER RECORD; CR 97-007
R22= CORNER RECORD; CR 2008-0146
R23= RECORD OF SURVEY NO. 2011-1121; RSB 257/7
R24= PARCEL MAP NO. 93-111; PMB 278/40-45
R25= TRACT NO. 14055; MM 679/24-27
R26= PARCEL MAP; PMB 49/15
R27= SURVEY CONTROL MAP NO. ORA 001-M18.4
R28= RIGHT OF WAY MAP NO. 25491-C
R29= PARCEL MAP NO. 2002-154; PMB 331/32-33
R30= RECORD OF SURVEY NO. 2006-1203; RSB 220/44-50
R31= RECORD OF SURVEY NO. 2009-1062; RSB 237/33-34
R32= RECORD OF SURVEY NO. 2000-1021; RSB 183/36-39
R33= RECORD OF SURVEY NO. 94-1003; RSB 147/6-13
R34= COORDINATE CONTROL MAP; C.C.M. 111.31
R35= PARCEL MAP NO. 87-106; PMB 227/9-10
R36= RECORD OF SURVEY NO. 2004-1086; RSB 202/27-28
R37= AMENDED RECORD OF SURVEY NO. 2000-1021; RSB 185/8-12
R38= INTENTIONALLY DELETED
R39= CALTRANS AOR001E PAGES 1-31
R40= CORNER RECORD; CR 2016-0583
R41= CORNER RECORD; CR 2002-0668
R42= INTENTIONALLY DELETED
R43= TRACT NO. 13014; MM 585/48-50
R44= CORNER RECORD; CR 2001-1254
R45= CORNER RECORD; CR 2001-1256
R46= HUNTINGTON BEACH 17TH STREET SECTION; MM 4/10
R47= SC-36R-0076 (R/W MAP)
R48= TRACT NO. 12947; MM 598/49-50
R49= TRACT NO. 13559; MM 635/48-50
R50= TRACT NO. 12936; MM 582/40-41
R51= MAP OF HUNTINGTON BEACH; MM 3/36
R52= TRACT NO. 12238; MM 569/16-17
R53= CORNER RECORD; CR 2001-1257
R54= TRACT NO. 13215; MM 650/31-32
R55= TRACT NO. 13087; MM 607/47-48
R56= TRACT NO. 16406; MM 870/47-50
R57= TRACT NO. 13722; MM 636/38-41
R58= TRACT NO. 13478; MM 636/42-44
R59= TRACT NO. 16338; MM 893/7-12
R60= RECORD OF SURVEY NO. 2016-1124; RSB 288/44-45
R61= TRACT NO. 15535; MM 790/44-50
R61= TRACT NO. 15535; CoC 200300659669, O.R.
R62= TRACT NO. 13045; MM 628/46-47
R63= INTENTIONALLY DELETED
R64= RECORD OF SURVEY NO. 81-1151; RSB 103/28-29
R65= RECORD OF SURVEY NO. 87-1049; RSB 117/21-22
R66= PARCEL MAP NO. 97-160; PMB 304/45-46
R67= PARCEL MAP NO. 89-229; PMB 285/50
R68= PARCEL MAP NO. 89-228; PMB 294/50
R69= PARCEL MAP NO. 91-235; PMB 275/1-3
R70= INTENTIONALLY DELETED
R71= LOT LINE ADJUSTMENT NO.2013-002, INST. NO. 2013-647256, O.R.
R72= 3700/422, O.R.
R73= 4287/86, O.R.
R74= 6463/789, O.R.
R75= CORNER RECORD; CR 2008-2955
R76= SC-ABD-000071-ALL STATE R/W MAP
R77= SR 90-073 PAGES 0018-0020 CALTRANS
R78= CORNER RECORD; CR 2002-1873
R79= CORNER RECORD; CR 2001-1260
R80= CORNER RECORD; CR 2010-1896
R81= CORNER RECORD; CR 2017-0595
R82= CORNER RECORD; CR 1997-0496
R83= CORNER RECORD; CR 2001-1255
R84= SC-FMS-0011 STATE R/W MAP
R85= INTENTIONALLY DELETED
R86= INTENTIONALLY DELETED
R87= INTENTIONALLY DELETED
R88= 123/96, O.R.
R89= 259/213, O.R.
R90= SB-FMS-0038 STATE R/W MAP
R91= CALTRANS SR 81-115
R92= CALTRANS RELINQUISHMENT MAP R120010, DATED MAY 5, 2004
R93= P.M.B. 25/46
R94= 14242/1773, O.R. (10/02/1981)
R95= P.M.B. 16/10
R96= PARCEL MAP NO. 88-181, P.M.B. 237/23-24
R97= P.M.B. 83/12-13
R98= TRACT NO. 1210, M.M. 40/45-46
R99= CALTRANS RELINQUISHMENT MAP R120055, DATED MARCH 21, 2013
R100= P.M.B. 60/23
R101= 3696/178, O.R.
R102= 3161/18, O.R.
R103= 7661/741, O.R.
R104= INST. NO. 84-118950, O.R.
R105= INST. NO. 2008000498434, O.R.
R106= CORNER RECORD; CR 2008-0148
R107= RECORD OF SURVEY NO. 2015-1126, R.S.B. 209/34-35
R108= CALTRANS SR 77-043
R109= SC-FMS-0033 STATE R/W MAP
R110= INST. NO. 2016000273015, O.R.
R111= INST. NO. 2016000273016, O.R.
R112= XX-FMS-120048-01 STATE APPRAISAL MAP
R113= 506/448, O.R.
R114= P.M.B. 8/39
R115= CALTRANS AOR001E PAGES 526-556
R116= TRACT NO. 1011; M.M.36/37-40
R117= TRACT NO. 1221; M.M. 41/11

STATE RIGHT OF WAY BOUNDARY POINT COORDINATES

POINT NO.	NORTHING	EASTING	POINT NO.	NORTHING	EASTING
1000	2170572.34	6062023.68	1099	2172576.38	6053302.16
1001	2170752.89	6061200.42	1100	2172499.69	6053387.48
1002	2171185.77	6060339.04	1101	2172059.34	6054173.64
1003	2171418.40	6060071.35	1102	2171832.93	6054935.09
1004	2171880.20	6059133.93	1103	2171728.43	6055741.94
1006	2171900.53	6059016.13	1104	2171770.77	6057089.16
1007	2171921.07	6058722.48	1105	2171752.22	6057104.75
1008	2171941.06	6058721.85	1106	2171763.49	6057162.64
1009	2171948.06	6058661.60	1107	2171752.97	6057160.03
1010	2171960.76	6058619.84	1108	2171700.49	6057161.68
1011	2172074.86	6058358.97	1109	2171773.60	6057180.01
1012	2172060.09	6058333.07	1110	2171776.00	6057256.52
1013	2172087.62	6058227.48	1111	2171847.92	6057495.47
1014	2172102.68	6058147.49	1112	2171918.24	6057546.14
1015	2172091.57	6058142.12	1113	2171981.89	6058089.02
1016	2172073.09	6057658.07	1114	2171972.57	6058084.50
1017	2172088.85	6057669.79	1115	2171956.99	6058180.73
1018	2172073.10	6057609.85	1116	2171931.99	6058276.56
1019	2172097.06	6057541.15	1117	2171908.01	6058277.32
1020	2172035.22	6057353.98	1118	2171815.88	6058530.34
1021	2171976.70	6057176.77	1119	2171817.99	6058597.67
1024	2171921.12	6057089.39	1120	2171779.53	6058841.53
1025	2171887.91	6056784.47	1121	2171772.87	6059001.55
1026	2171861.28	6056785.31	1122	2171769.96	6059045.93
1031	2171828.39	6055738.80	1123	2171754.69	6059070.71
1032	2171928.79	6054963.59	1124	2171773.45	6059062.23
1033	2172155.20	6054202.14	1125	2171797.15	6059031.15
1034	2172574.07	6053454.33	1126	2171766.47	6059184.85
1035	2172650.76	6053369.01	1127	2171342.92	6060005.76
1036	2172903.11	6053020.78	1128	2171110.28	6060273.45
1037	2173628.29	6051760.10	1129	2170655.21	6061179.01
1038	2173847.65	6050901.65	1130	2170474.65	6062002.26
1039	2173837.66	6050901.87	1131	2175048.20	6050904.84
1040	2173835.92	6050853.98	1132	2175304.65	6050950.61
1041	2173828.08	6050700.04	1133	2173241.10	6050223.04
1042	2174154.85	6050757.71	1134	2173240.47	6050224.94
1044	2174266.31	6050784.25	1135	2173227.64	6050296.05
1045	2174500.71	6050854.93	2001	2191383.94	6023980.24
1046	2174508.83	6050867.83	2002	2190078.89	6025448.86
1047	2174791.08	6050952.94	2003	2189209.93	6026426.50
1048	2174817.97	6050863.74	2004	2188994.00	6026669.47
1049	2175451.92	6050422.61	2005	2188587.09	6027127.32
1050	2175423.83	6050788.54	2006	2188304.86	6027411.91
1051	2175353.86	6050776.04	2007	2187259.71	6028587.43
1052	2175356.40	6050761.76	2008	2186470.70	6029475.14
1053	2175058.45	6050723.82	2009	2185937.24	6030228.02
1054	2174690.33	6050658.12	2010	2185916.99	6030336.98
1055	2174649.22	6050639.12	2011	2185935.71	6030324.18
1056	2174481.68	6050597.53	2012	2185780.77	6030522.90
1057	2174299.76	6050520.86	2013	2185788.75	6030529.11
1058	2174160.68	6050317.37	2014	2185770.31	6030552.77
1059	2174182.57	6050306.86	2015	2185764.04	6030547.89
1060	2174109.77	6050200.34	2016	2185736.94	6030560.81
1061	2174035.74	6050116.27	2017	2185689.40	6030640.72
1062	2173928.51	6050025.88	2018	2185673.20	6030667.19
1063	2173898.64	6049935.56	2019	2185678.14	6030671.04
1064	2173898.97	6049931.49	2020	2185498.44	6030901.63
1065	2173995.53	6049457.25	2021	2184289.58	6032452.87
1066	2174017.52	6049337.01	2022	2184276.95	6032452.81
1067	2174044.64	6049316.56	2023	2184170.70	6032589.15
1068	2174060.83	6049228.03	2024	2184181.89	6032632.75
1069	2174042.69	6049199.35	2025	2184181.65	6032682.75
1070	2174181.03	6048431.78	2026	2191309.22	6023913.79
1071	2174028.36	6048432.74	2027	2190004.15	6025382.44
1072	2173756.37	6049920.15	2028	2189135.19	6026360.07
1073	2173715.02	6050012.07	2029	2188919.26	6026603.04
1074	2173597.99	6050125.30	2030	2188514.17	6027058.84
1075	2173540.02	6050263.22	2031	2188231.94	6027343.43
1076	2173493.68	6050298.93	2032	2187184.95	6028521.02
1077	2173474.68	6050298.96	2033	2186595.85	6029183.82
1078	2173396.47	6050272.95	2034	2186593.58	6029181.80
1079	2173396.47	6050275.06	2035	2186590.08	6029185.73
1080	2173365.41	6050264.74	2036	2186576.43	6029194.34
1081	2173355.90	6050251.58	2037	2186582.05	6029199.34
1082	2173355.93	6050260.67	2038	2186532.23	6029255.40
1083	2173227.56	6050217.99	2039	2186518.30	6029243.01
1084	2173228.11	6050284.25	2040	2186503.57	6029259.28
1085	2173227.95	6050361.64	2041	2186505.16	6029281.40
1086	2173356.32	6050404.32	2042	2186507.18	6029283.59
1087	2173356.53	6050484.62	2043	2186392.29	6029412.84
1088	2173432.24	6050511.36	2044	2185650.54	6030459.68
1089	2173475.70	6050590.42	2045	2185569.97	6030647.17
1090	2173529.78	6050642.90	2046	2184231.00	6032365.37
1091	2173567.15	6050656.12	2047	2184079.69	6032536.75
1092	2173637.21	6050702.11	2048	2184016.60	6032617.72
1093	2173677.40	6050725.87	2049	2183962.62	6032644.68
1094	2173722.82	6050787.89	2050	2183961.05	6032644.69
1095	2173740.94	6050894.49	2051	2183886.83	6032644.33
1096	2173747.43	6050894.31	2052	2183816.58	6032643.99
1097	2173541.59	6051710.25	2053	2183704.86	6032680.46
1098	2172816.41	6052970.92			

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DUPLICATE