

RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020
ROGER A. FRANK, P.L.S. 4215

STATEMENT OF PURPOSE:

TO RE-ESTABLISH AND MONUMENT THE RIGHT OF WAY OF TALBERT CHANNEL [D02] AND HUNTINGTON BEACH CHANNEL [D01].

DATUM STATEMENT:

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, 1983 NAD, (2007.00 EPOCH OCS GPS ADJUSTMENT).

ALL DISTANCES SHOWN ARE GROUND, UNLESS OTHERWISE NOTED BY THE ABBREVIATION 'Z6' FOLLOWING THE MAP DISTANCE. TO OBTAIN CCS83, ZONE VI GRID DISTANCES MULTIPLY GROUND DISTANCE BY THE PROJECT SPECIFIC COMBINATION FACTOR OF 0.99997531 COMPUTED AT THE HORIZONTAL POSITION OF PROJECT POINT #5016 AT AN AVERAGE PROJECT ELEVATION OF 6.32', NAVD 88.

BASIS OF BEARINGS:

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE BEARING BETWEEN CGPS TRAK AND CGPS FVPK BEING N 67°14'53.85"W PER O.C.S. HORIZONTAL CONTROL DATA SHEETS FOR SAID STATIONS, ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

MONUMENT SYMBOLS:

- = SET MONUMENT 2" IRON PIPE WITH ALUMINUM CAP STAMPED "O.C.P.W. PLS 4215" OR LEAD IN CONCRETE WITH TACK AND TAG "OCPW PLS 4215", AS APPROPRIATE UNLESS INDIVIDUALLY DESCRIBED OTHERWISE.
 - = FOUND MONUMENT AS INDIVIDUALLY DESCRIBED FOR THE POINT AS NUMBERED.
 - ▲ = INDICATES FOUND OCS GPS HORIZONTAL CONTROL STATION MONUMENT PER RECORDS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.
- SFN = SEARCHED, FOUND NOTHING

ABBREVIATIONS:

() RECORD PER REFERENCE SHOWN

- 1991.35 GND - GROUND D&B COMPUTED FROM GPS DATA SHEETS 1991.35 VALUES/CF
- B.C. BEGINNING OF CURVE
- CALC CALCULATED
- CSTB COUNTY SURVEYOR'S TIE BOOK
- CF COMBINATION FACTOR [GROUND DISTANCE TO CALIFORNIA STATE PLANE Z6] FOR THIS PROJECT, 0.99997531, COMPUTED AT POINT 5016, EL = 6.32'
- ℄ CENTERLINE
- CCS83 CALIFORNIA COORDINATE SYSTEM OF 1983
- D01 OCFCD HUNTINGTON BEACH CHANNEL
- D02 OCFCD TALBERT CHANNEL
- D&B DISTANCE AND BEARING
- E.C. END OF CURVE
- GND GROUND DISTANCE (GRID DISTANCE/COMBINATION FACTOR)
- I.P. IRON PIPE
- M2M MONUMENT TO MONUMENT DIMENSION
- M&R MEASURED AND RECORD
- MM MISCELLANEOUS MAPS, RECORDS OF ORANGE COUNTY
- O.D. OUTSIDE DIAMETER
- O.R. OFFICIAL RECORDS OF ORANGE COUNTY, SHOWN AS O.R.
- P.L. PROPERTY LINE
- PCC POINT OF COMPOUND CURVATURE
- PRC POINT OF REVERSE CURVE
- PROP. PROPORTIONED
- RAD. RADIAL
- RC COMPUTED RECORD PER REFERENCE SHOWN
- RS RECORD OF SURVEY
- RSB RECORDS OF SURVEYS BOOK, RECORDS OF ORANGE COUNTY
- R/W RIGHT OF WAY
- SBM SAN BERNARDINO MERIDIAN
- S&W SPIKE AND WASHER
- S.L. SURVEY LINE
- Z6 CALIFORNIA STATE PLANE GRID DISTANCE, ZONE VI

COUNTY SURVEYOR'S TIE BOOK REFERENCES

- CSTB 129/20-22, ADAMS, 1939
- CSTB 129/23-24, INDIANAPOLIS, 1939
- CSTB 129/25-27, ATLANTA, 1939
- CSTB 129/41-46, BEACH, 1939
- CSTB 129/47-48, NEWLAND, 1939
- CSTB 129/51-56, MAGNOLIA, FORMERLY CANNERY STREET, 1939
- CSTB 129/57-63, BUSHARD, 1939
- CSTB 136/6, ATLANTA, 1940
- CSTB 136/8, INDIANAPOLIS, 1940
- CSTB 136/9-10, HAMILTON, 1940
- CSTB 136/11-12, YORKTOWN, 1941
- CSTB 136/13-15, NEWLAND, 1941
- CSTB 143/33, INDIANAPOLIS & NEWLAND, 1945
- CSTB 156/23-25 BUSHARD & BROOKHURST, FORMERLY WRIGHT STREET, 1953

RECORD REFERENCES, WITH ABBREVIATIONS:
[DATES SHOWN ARE SURVEY DATES, IF KNOWN]

- D01-1 = OCFCD R/W MAP 'HUNTINGTON BEACH CHANNEL, TALBERT CHANNEL TO 1300' W OF CANNERY'
- D01-2 = OCFCD R/W MAP 'HUNTINGTON BEACH CHANNEL, 1300' W. OF CANNERY TO ATLANTA AVE.'
- D01-3 = OCFCD R/W MAP 'HUNTINGTON BEACH CHANNEL, ATLANTA AVENUE TO ADAMS AVENUE'
- D02-1 = OCFCD R/W MAP 'TALBERT CHANNEL, PACIFIC COAST HWY TO BROOKHURST ST.'
- D02-2 = OCFCD R/W MAP 'TALBERT CHANNEL, COAST HWY TO BANNING AVENUE'
- D02-2S1 = OCFCD R/W MAP 'TALBERT CHANNEL, (USE FOR PARCELS 206 & 207 ONLY)'
- D02-3 = OCFCD R/W MAP 'TALBERT CHANNEL, BANNING AVE. TO HAMILTON AVE.'
- D02-4 = OCFCD R/W MAP 'TALBERT CHANNEL, HAMILTON AVE. TO ATLANTA AVE.'
- D02-5 = OCFCD R/W MAP 'TALBERT CHANNEL, ATLANTA AVE. TO INDIANAPOLIS AVE.'
- D02-6 = OCFCD R/W MAP 'TALBERT CHANNEL, INDIANAPOLIS AVE. TO ADAM AVE.'
- D02-7 = OCFCD R/W MAP 'TALBERT CHANNEL, ADAMS AVE. TO YORKTOWN STREET'

- FC61 = OCFCD NOTES BY SCHUMAKER, D02/104-S TO 109-S, MAY 1961
- FC68 = OCFCD NOTES BY SCHUMAKER, D01/234-246, JANUARY 1968
- FC89 = OCFCD NOTES BY SEHER, A/6-11/55-62, AUGUST 1989

- QC02 = OCS SURVEY NOTES A/6-11/75-80 (MONUMENT PRESERVATION SURVEY)
- QC95 = OCS SURVEY NOTES CD94/5-31N (PRELIMINARY SURVEY FOR R153)

- P041 = PARCEL MAP, PMB 41/24, J. KING JR., 1972
- P048 = PARCEL MAP, PMB 48/41, J. KING JR., 1972
- P154 = PARCEL MAP NO. 80-565, PMB 154/11-12, G. LINDQUIST, 1980
- P202 = PARCEL MAP NO. 84-590, PMB 202/48-50, D. BAKER, 1984
- P214 = PARCEL MAP NO. 85-160, PMB 214/39-41, L. TRUMAN, 1985
- P226 = PARCEL MAP NO. 86-442, PMB 226/19-21, L. TRUMAN, 1987
- P247 = PARCEL MAP NO. 88-226, PMB 247/36-38, C. WOOLSEY, 1988
- P371 = PARCEL MAP NO. 2009-122, PMB 371/17-20, J. WALDEN, 2010

- R005 = RECORD OF SURVEY 5/31, G. BATES 1934
 - R006 = RECORD OF SURVEY 6/6, G. BATES 1935
 - R029 = RECORD OF SURVEY 29/27, D. D. HILLYARD 1955
 - R043 = RECORD OF SURVEY 43/2, D. D. HILLYARD 1959
 - R049 = RECORD OF SURVEY 49/19-20, 1960
 - R054 = RECORD OF SURVEY 54/5, S. BRADFORD 1961
 - R060 = RECORD OF SURVEY 60/2, F. L. GIBBS 1962
 - R074 = RECORD OF SURVEY 74/11, F. L. GIBBS 1964
 - R091 = RECORD OF SURVEY 91/35, J. A. KURLANDER 1971
 - R108 = RECORD OF SURVEY NO. 83-1111, RSB 108/49-50, D. WALDEN, 1983
 - R153 = RECORD OF SURVEY NO. 95-1033, RSB 153/25-27, D. C. S. 1995.
 - R124 = RECORD OF SURVEY NO. 89-1089, RSB 124/13-15, D. C. S. 1989
 - R176 = RECORD OF SURVEY NO. 99-1000, RSB 176/10-19, CALTRANS 1989
 - R232 = RECORD OF SURVEY NO. 2005-1075, RSB 232/1-10, 2005-2008
- [NOTE: ALL MONUMENTS SHOWN AS SET BY THIS MAP WITH '1 3/8' D. C. S. BR. TAG', WERE FOUND WITH 3/4" TAG STAMPED 'OCS TIE']

- T3595 = TRACT NO. 3595, MM 137/19-20, H. HALDERMAN, 1960
- T3898 = TRACT NO. 3898, MM 188/24-25, J. KING, JR., 1963
- T3977 = TRACT NO. 3977, MM 141/25-26, H. HALDERMAN, 1961
- T3903 = TRACT NO. 3903, MM 165/48-50, J. KING, 1961
- T4114 = TRACT NO. 4114, MM 151/3-4, H. HALDERMAN, 1961
- T4284 = TRACT NO. 4284, MM 163/34-37, F. RICHARDSON, 1962
- T4350 = TRACT NO. 4350, MM 177/40-44, F. RICHARDSON, 1962
- T4409 = TRACT NO. 4409, MM 152/39-41, H. HALDERMAN, 1961
- T4493 = TRACT NO. 4493, MM 159/07-11, F. RICHARDSON, 1961
- T4496 = TRACT NO. 4496, MM 157/44-45, F. RICHARDSON, 1961
- T4630 = TRACT NO. 4630, MM 166/30-34, F. RICHARDSON, 1962
- T4649 = TRACT NO. 4649, MM 162/44-46, H. HALDERMAN, 1962
- T4992 = TRACT NO. 4992, MM 197/1-2, P. CALVO, 1963
- T5109 = TRACT NO. 5109, MM 201/16-17, F. RICHARDSON, 1963
- T5201 = TRACT NO. 5201, MM 193/37-38, J. KING, 1963
- T5251 = TRACT NO. 5251, MM 193/35-36, J. KING, 1963
- T5581 = TRACT NO. 5581, MM 205/36-42, R. M. GALLOWAY, 1964
- T5661 = TRACT NO. 5661, MM 213/19-20, J. KING, 1964
- T5603 = TRACT NO. 5603, MM 263/27-29, R. M. GALLOWAY, 1969
- T5664 = TRACT NO. 5664, MM 424/31-34, J. M. MADOLE, 1977
- T5755 = TRACT NO. 5755, MM 219/26-27, G. STRINGER, 1965
- T6079 = TRACT NO. 6079, MM 222/42-43, F. RICHARDSON, 1965
- T6080 = TRACT NO. 6080, MM 230/3-4, F. RICHARDSON, 1965
- T6100 = TRACT NO. 6100, MM 223/01-03, W. HAYNES, 1965
- T6188 = TRACT NO. 6188, MM 241/06-08, T. BARKDULL, 1967
- T6283 = TRACT NO. 6283, MM 242/49-50, T. K. BARRY, 1968
- T6309 = TRACT NO. 6309, MM 233/49-50, T. K. BARRY, 1967
- T6322 = TRACT NO. 6322, MM 253/41-43, T. K. BARRY, 1968
- T6510 = TRACT NO. 6510, MM 240/25-27, R. M. GALLOWAY, 1967
- T6954 = TRACT NO. 6954, MM 287/48-49, F. RICHARDSON, 1971
- T7010 = TRACT NO. 7010, MM 267/8-9, F. RICHARDSON, 1969
- T7266 = TRACT NO. 7266, MM 281/34-35, F. RICHARDSON, 1971
- T7870 = TRACT NO. 7870, MM 315/23-28, G. STRINGER, 1972
- T7991 = TRACT NO. 7991, MM 315/32-35, T. K. BARRY, 1972
- T9438 = TRACT NO. 9438, MM 461/27-29, J. STRINGER, 1978
- T9843 = TRACT NO. 9843, MM 477/43-44, T MARGRAVE, 1978
- T11886 = TRACT NO. 11886, MM 530/17-18, G. LINDQUIST 1982
- T12897 = TRACT NO. 12897, MM 578/1-5, G. SHAMBECK, 1986
- T13656 = TRACT NO. 13656, MM 617/1-7, G. DOKICH, 1988
- T15109 = TRACT NO. 15109, MM 743/5-7, W. JASSO, 1995
- T17239 = TRACT NO. 17239, MM 926/19-24, J. WALDEN, 2012
- T17296 = TRACT NO. 17296, MM 917/35-46, L. McDERMOTT, 2012

SHEET NOTE:

- SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
- SHEETS 3-21 FOR 1"=100' SCALE MAP SHEETS
- SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
- SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
- SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS

SHEET 3 OF 35

RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

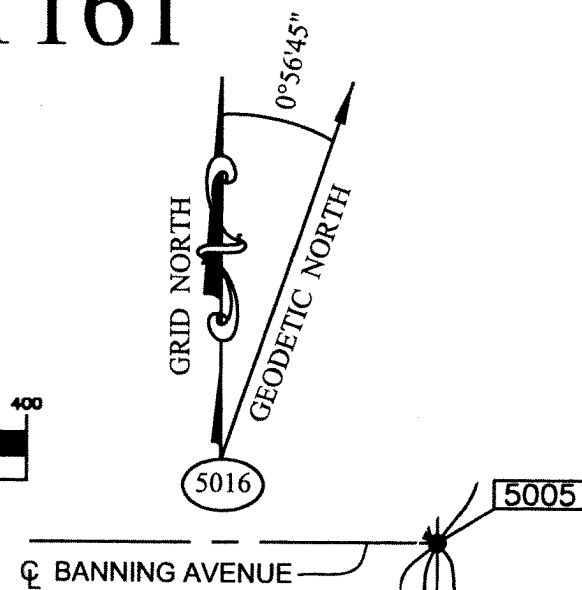
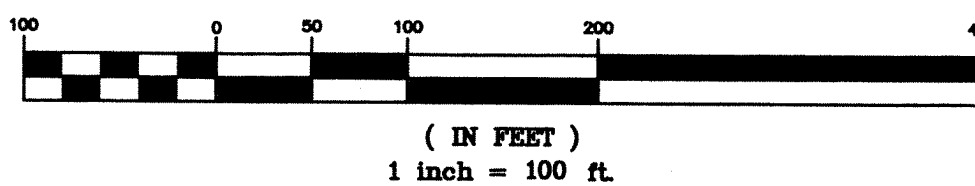
DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

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SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 35 OF 35 SHEETS.

SEE SHEET 4

GRAPHIC SCALE



LINE LEGEND

- CHANNEL BOUNDARY LINE
- STREET & CHANNEL CENTERLINES
- STREET RIGHT-OF-WAY LINES
- SECTION LINES
- RADIAL LINES
- GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

SEE BOUNDARY NARRATIVE #2 ON SHEET 30 FOR DISCUSSION OF BOUNDARY ISSUES IN THIS AREA

SEE BOUNDARY NARRATIVE #17 ON SHEET 33 FOR DISCUSSION OF BOUNDARY ISSUES IN THIS AREA

89°50'50" (89°50'15" R232, R049, T3903 & T5664)
S. LINE, N 1/2, NW 1/4, FRACTIONAL SECTION 19, T6S, R10W, MM 51/14 & COMMON LINE T3903 & T5664. SEE BOUNDARY NARRATIVE #17, SHEET 33.

N 89°33'28" W 1596.88'
(N 89°33'08" W 1597.03' R232)

SEE BOUNDARY NARRATIVE #4 ON SHEET 31 FOR DISCUSSION OF BOUNDARY ISSUES IN THIS AREA

SEE BOUNDARY NARRATIVE #2 ON SHEET 30 FOR DISCUSSION OF BOUNDARY ISSUES IN THIS AREA

89°58'55" (89°58'32" R049, R232 & T5664)
(90°00'00" O.R. 2551-299 CSTB 156/23)

C.L. HOLDING MON [1725] SET BY R232 AT BANNING AND TIE PER R232 & R049 ALONG CL BROOKHURST FROM MON [5003] AT INT. WITH BUSHARD. [SEE BOUNDARY NARRATIVE #2 ON SHEET 30]

SHEET NOTE:

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- SHEET 2 FOR STATEMENT OF PURPOSE, DATUM STATEMENT, BASIS OF BEARINGS, MONUMENT SYMBOLS, RECORD REFERENCES LIST AND REFERENCE ABBREVIATIONS USED.
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- SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
- SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
- SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS

SHEET 4 OF 35

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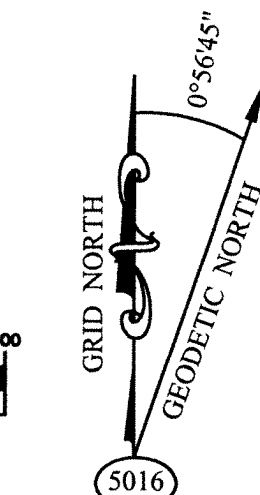
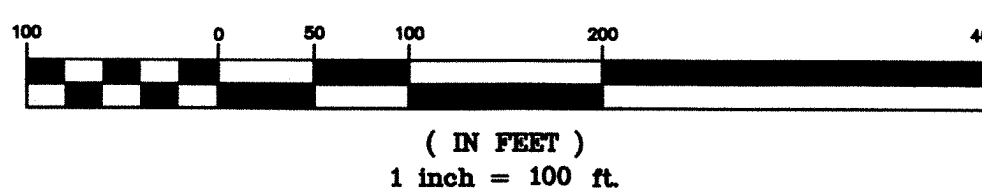
SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 35 OF 35 SHEETS.

SHEET NOTE:

SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL
CONTROL & SHEET INDEX.
SHEET 2 FOR STATEMENT OF PURPOSE, DATUM
STATEMENT, BASIS OF BEARINGS,
MONUMENT SYMBOLS, RECORD REFERENCES
LIST AND REFERENCE ABBREVIATIONS USED.
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SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT
SUBDIVISION STREET MONUMENTS.
SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

TR NO. 3898
MM 188/24-25

GRAPHIC SCALE



SEE SHEET 5

SEE SHEET 6

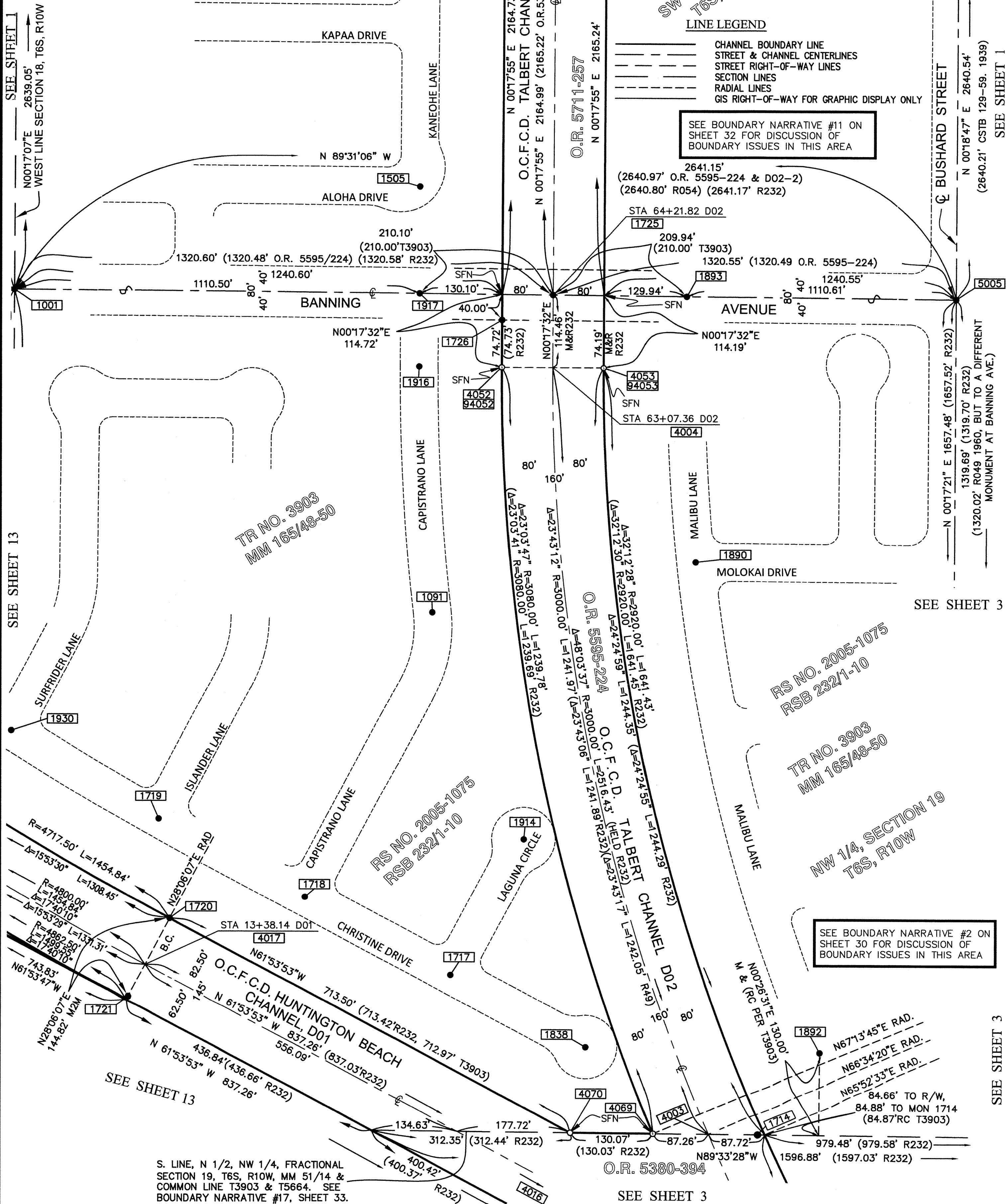
SEE SHEET 6

SW 1/4, SECTION 18
T6S, R10W

LINE LEGEND

CHANNEL BOUNDARY LINE
STREET & CHANNEL CENTERLINES
STREET RIGHT-OF-WAY LINES
SECTION LINES
RADIAL LINES
GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

SEE BOUNDARY NARRATIVE #11 ON
SHEET 32 FOR DISCUSSION OF
BOUNDARY ISSUES IN THIS AREA



TR NO. 3903
MM 165/48-50

RS NO. 2005-1075
RSB 232/1-10

TR NO. 3903
MM 165/48-50

NW 1/4, SECTION 19
T6S, R10W

SEE BOUNDARY NARRATIVE #2 ON
SHEET 30 FOR DISCUSSION OF
BOUNDARY ISSUES IN THIS AREA

S. LINE, N 1/2, NW 1/4, FRACTIONAL
SECTION 19, T6S, R10W, MM 51/14 &
COMMON LINE T3903 & T5664. SEE
BOUNDARY NARRATIVE #17, SHEET 33.

SEE SHEET 3

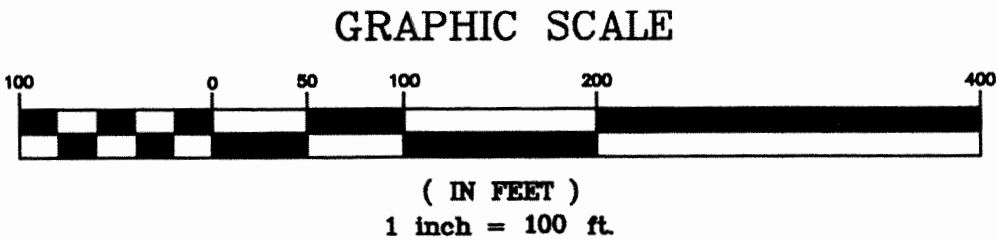
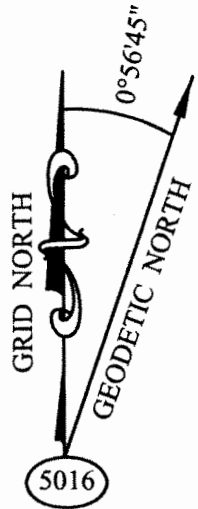
SEE SHEET 3

RECORD OF SURVEY NO. 2021-1161

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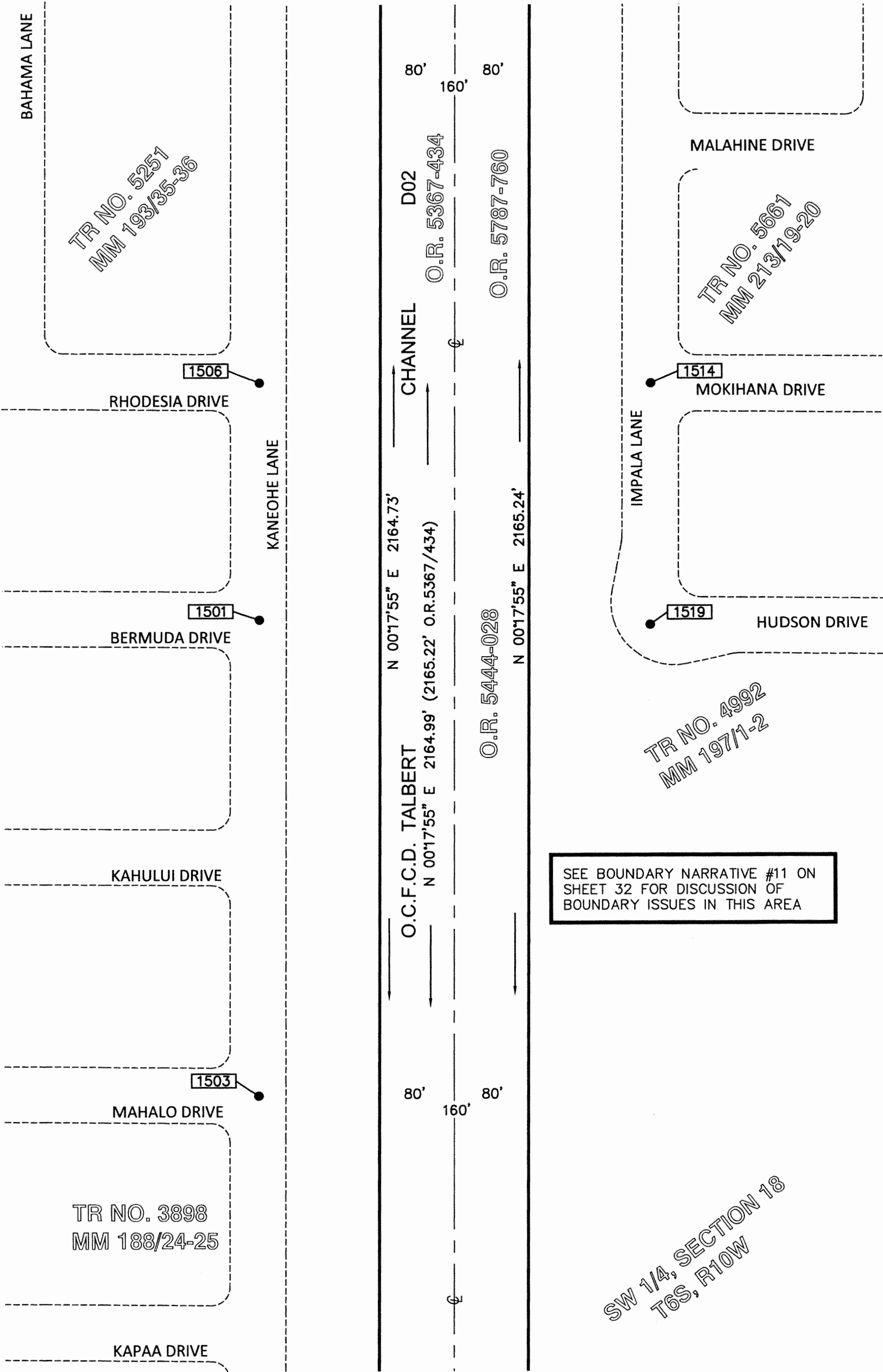
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SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 35 OF 35 SHEETS.

SEE SHEET 6



SEE SHEET 4

SW 1/4, SECTION 18
T6S, R10W

LINE LEGEND

- CHANNEL BOUNDARY LINE
- STREET & CHANNEL CENTERLINES
- STREET RIGHT-OF-WAY LINES
- SECTION LINES
- RADIAL LINES
- GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

SHEET NOTE:

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- SHEET 2 FOR STATEMENT OF PURPOSE, DATUM STATEMENT, BASIS OF BEARINGS, MONUMENT SYMBOLS, RECORD REFERENCES LIST AND REFERENCE ABBREVIATIONS USED.
- SHEETS 3-21 FOR 1"=100' SCALE MAP SHEETS
- SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
- SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
- SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS

DUPLICATE

335

6

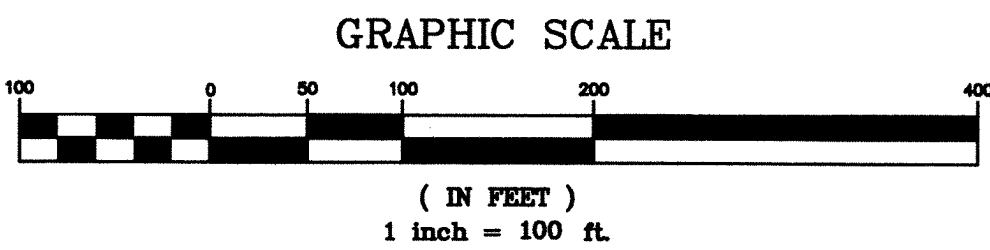
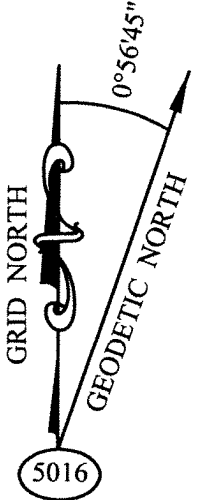
SHEET 6 OF 35

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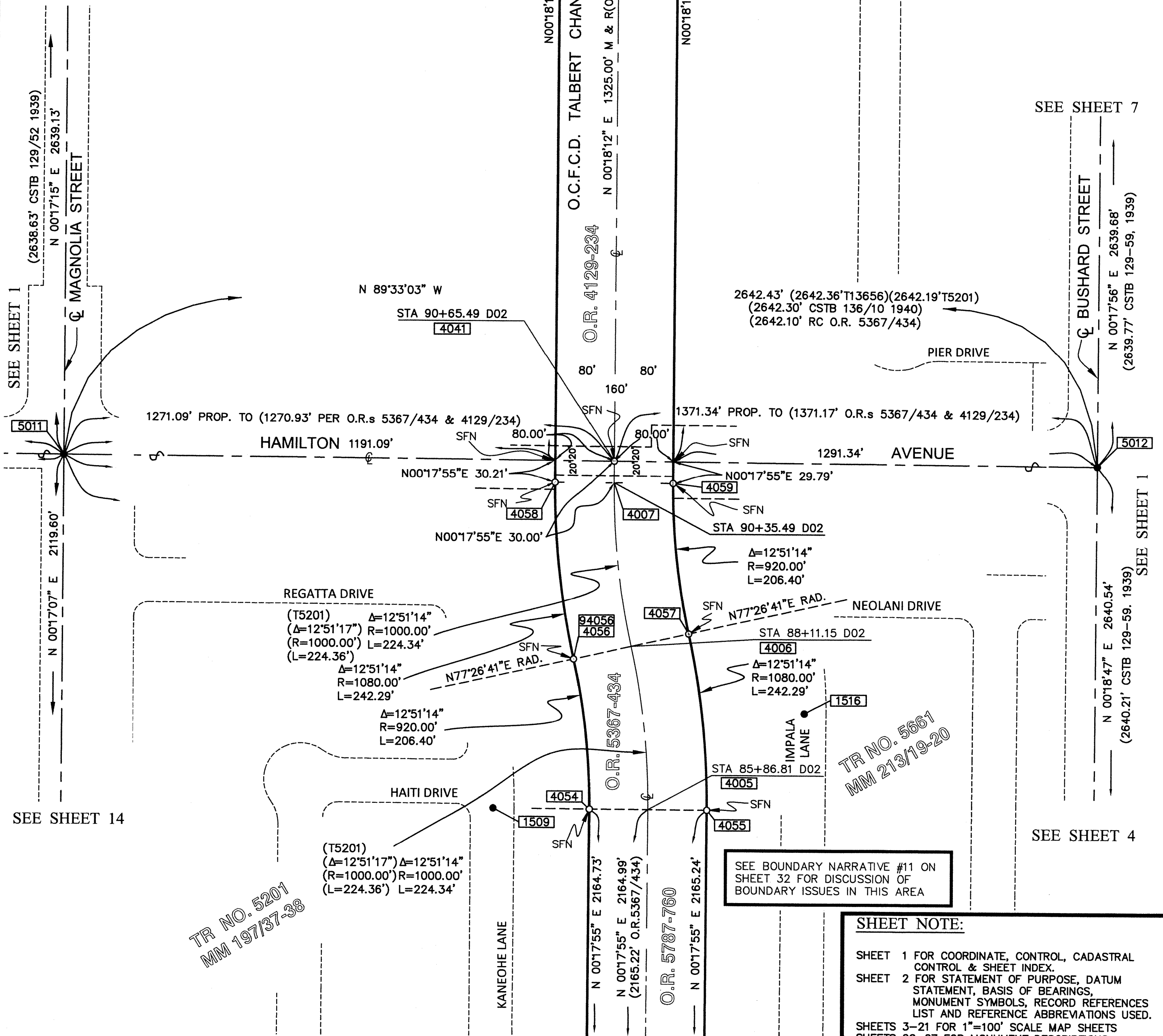
SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 35 OF 35 SHEETS.

NW 1/4, SECTION 18
T6S, R10W

LINE LEGEND

- CHANNEL BOUNDARY LINE
- STREET & CHANNEL CENTERLINES
- STREET RIGHT-OF-WAY LINES
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SEE SHEET 7



SEE BOUNDARY NARRATIVE #11 ON
SHEET 32 FOR DISCUSSION OF
BOUNDARY ISSUES IN THIS AREA

TR NO. 5661
MM 213/19-20

TR NO. 5201
MM 19737-38

- ### SHEET NOTE:
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 - SHEET 34 FOR COORDINATE LISTS

DUPLICATE

335

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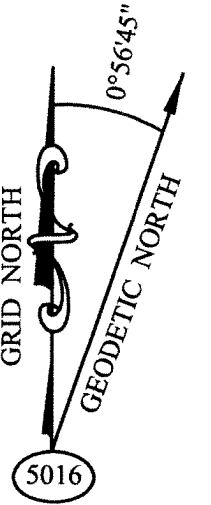
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GRAPHIC SCALE



(IN FEET)
1 inch = 100 ft.



SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 35 OF 35 SHEETS.

SEE SHEET 8

SEE SHEET 9

SEE SHEET 9

SEE SHEET 1

SEE SHEET 6

SEE SHEET 6

SEE BOUNDARY NARRATIVE #13 ON
SHEET 33 FOR DISCUSSION OF
BOUNDARY ISSUES IN THIS AREA

TR NO. 6954
MM 28748-49

TR NO. 13656
MM 6171-7

TR NO. 12897
MM 5781-5

NW 14, SECTION 18
T6S, R10W

LINE LEGEND

- CHANNEL BOUNDARY LINE
- STREET & CHANNEL CENTERLINES
- STREET RIGHT-OF-WAY LINES
- SECTION LINES
- RADIAL LINES
- GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

SEE SHEET 6

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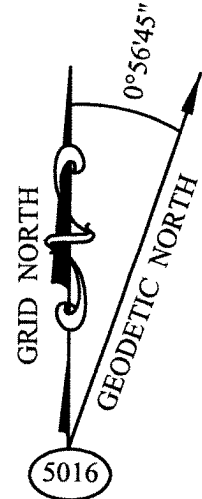
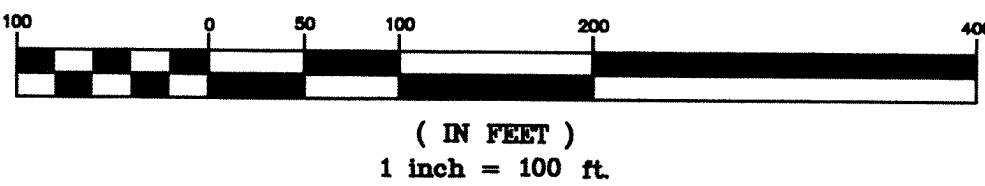
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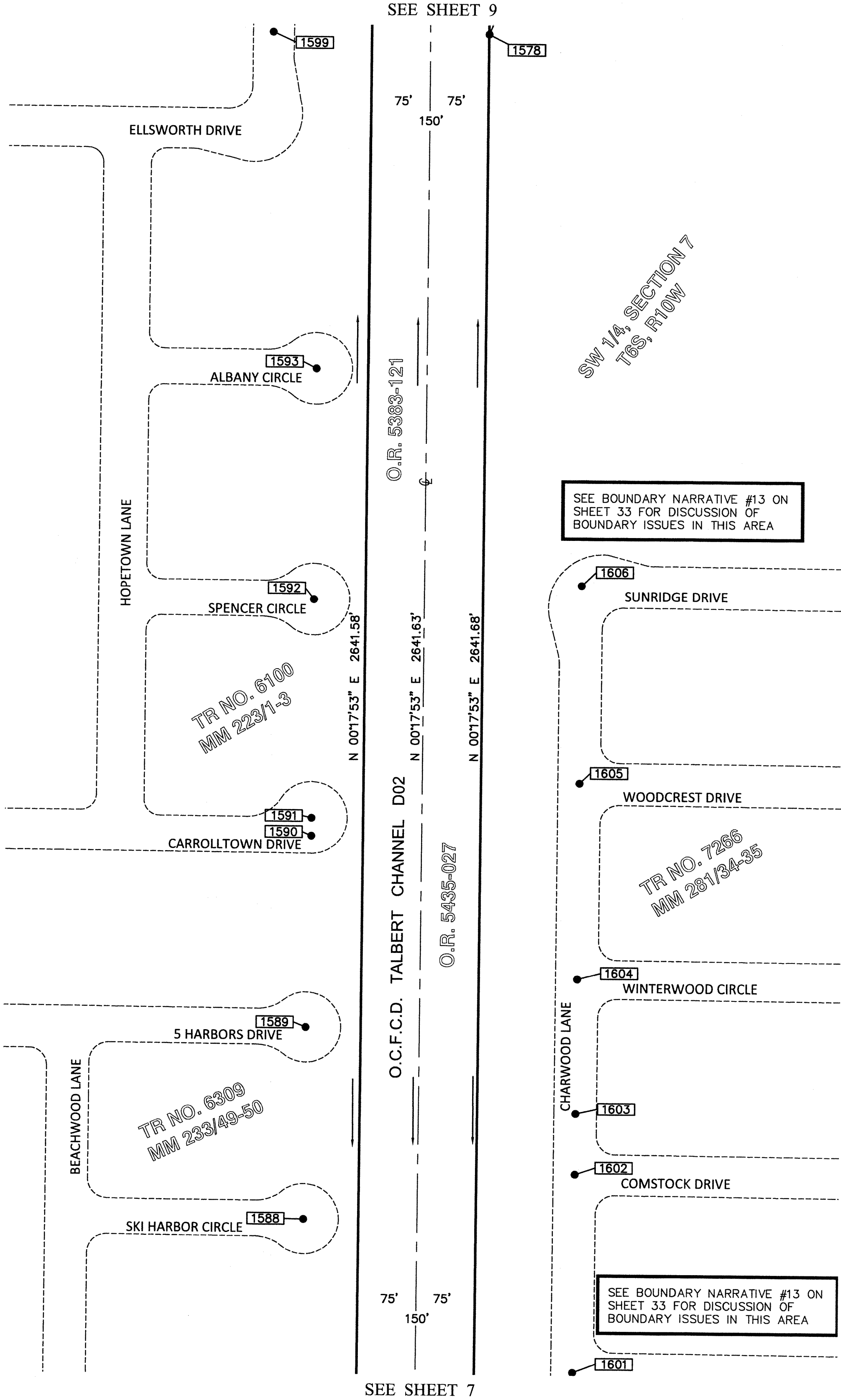
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GRAPHIC SCALE



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SHEET NOTE:

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- SHEET 2 FOR STATEMENT OF PURPOSE, DATUM STATEMENT, BASIS OF BEARINGS, MONUMENT SYMBOLS, RECORD REFERENCES LIST AND REFERENCE ABBREVIATIONS USED.
- SHEETS 3-21 FOR 1"=100' SCALE MAP SHEETS
- SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
- SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
- SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS

DUPLICATE

335

9

SHEET 9 OF 35

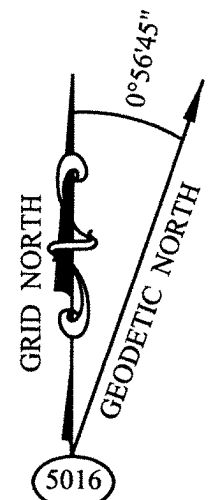
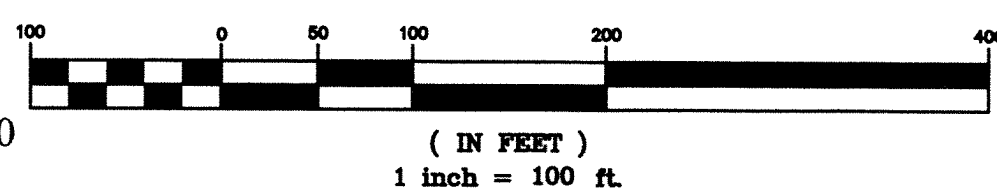
RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215
GRAPHIC SCALE

SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 35 OF 35 SHEETS.



SEE SHEET 10

SEE BOUNDARY NARRATIVE #14 ON
SHEET 33 FOR DISCUSSION OF
BOUNDARY ISSUES IN THIS AREA

SEE SHEET 10

SEE SHEET 1

SEE SHEET 7

335

6

SEE SHEET 10

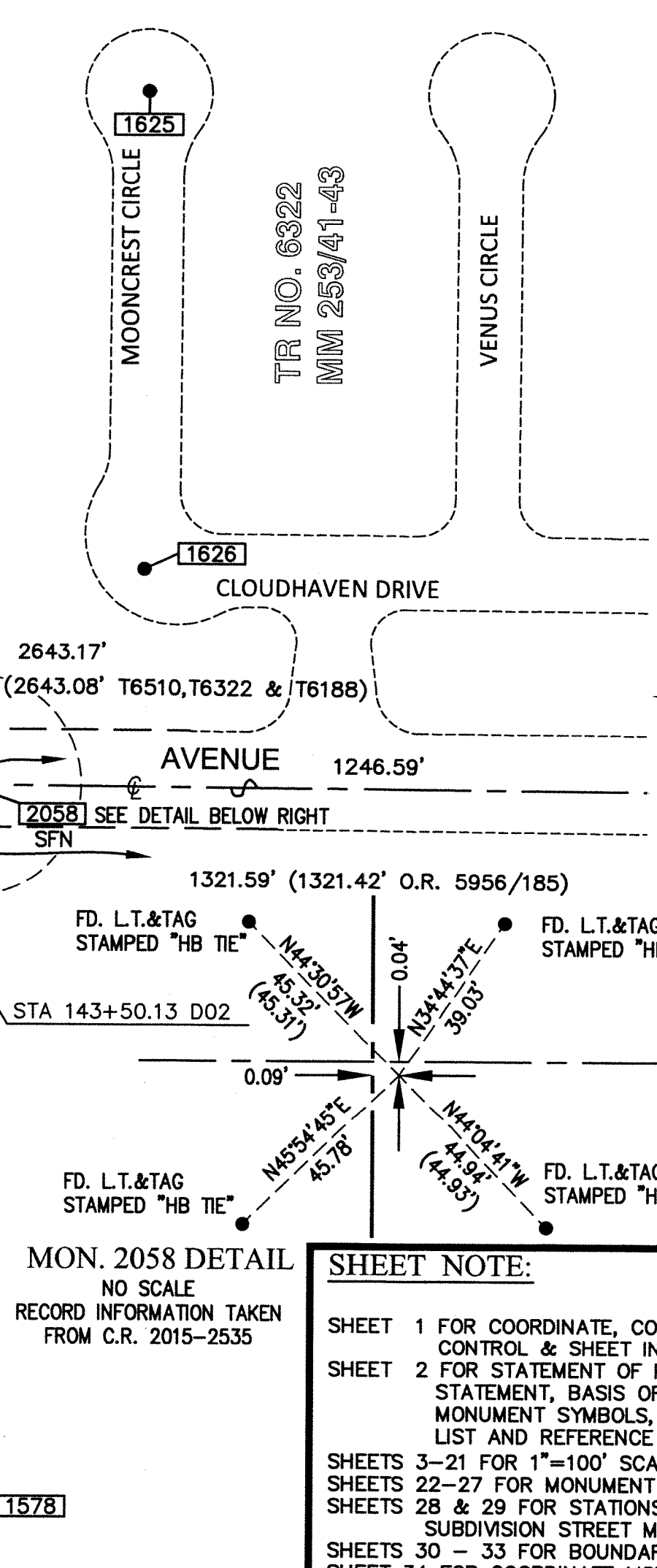
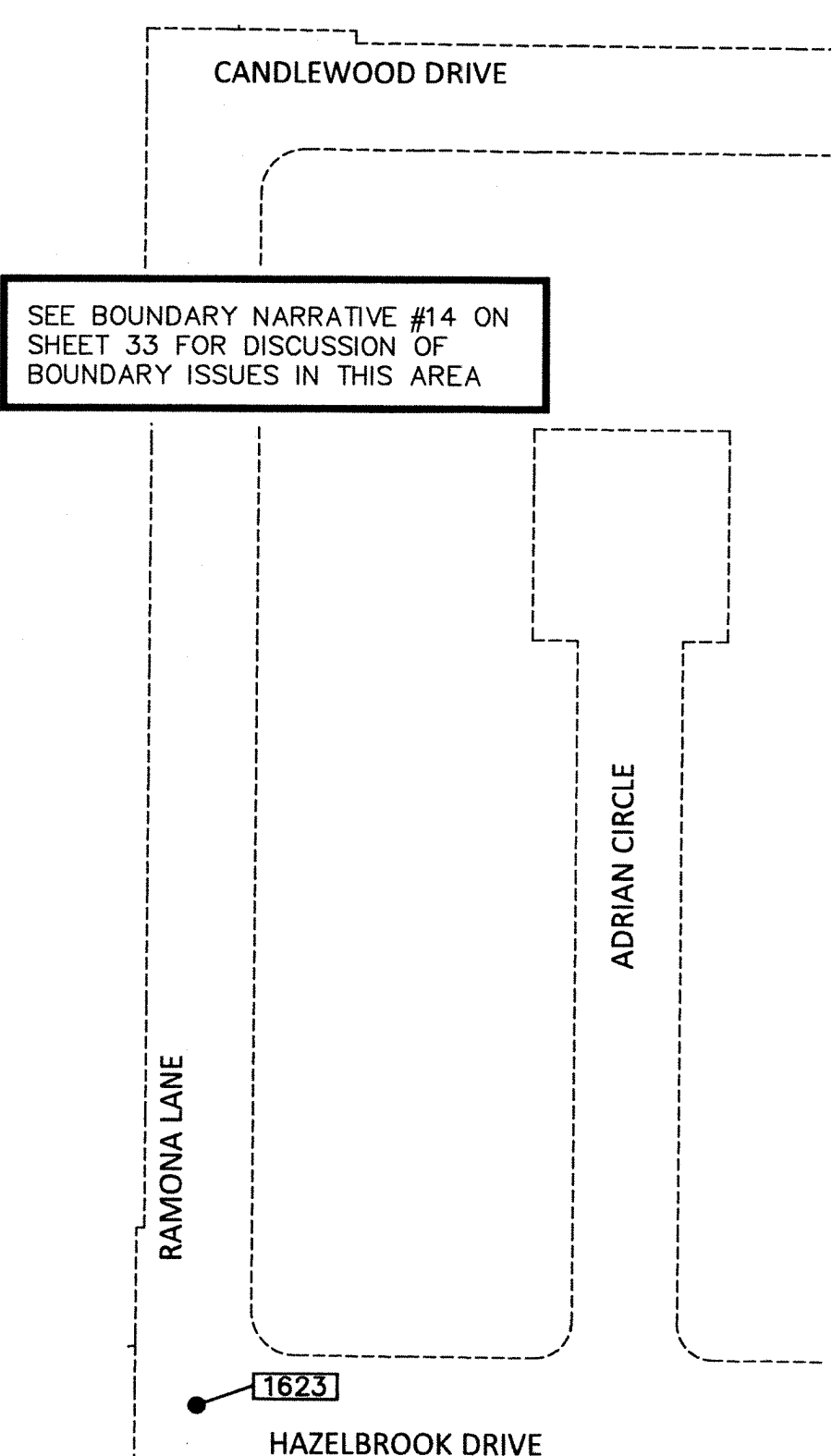
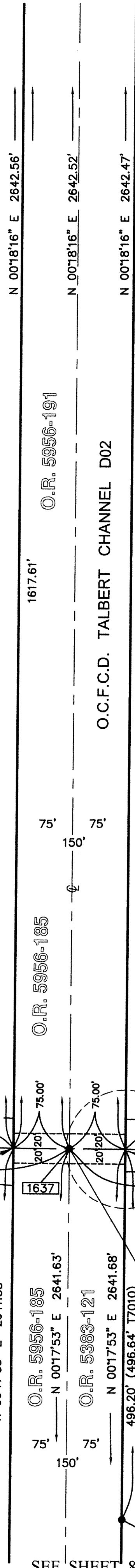
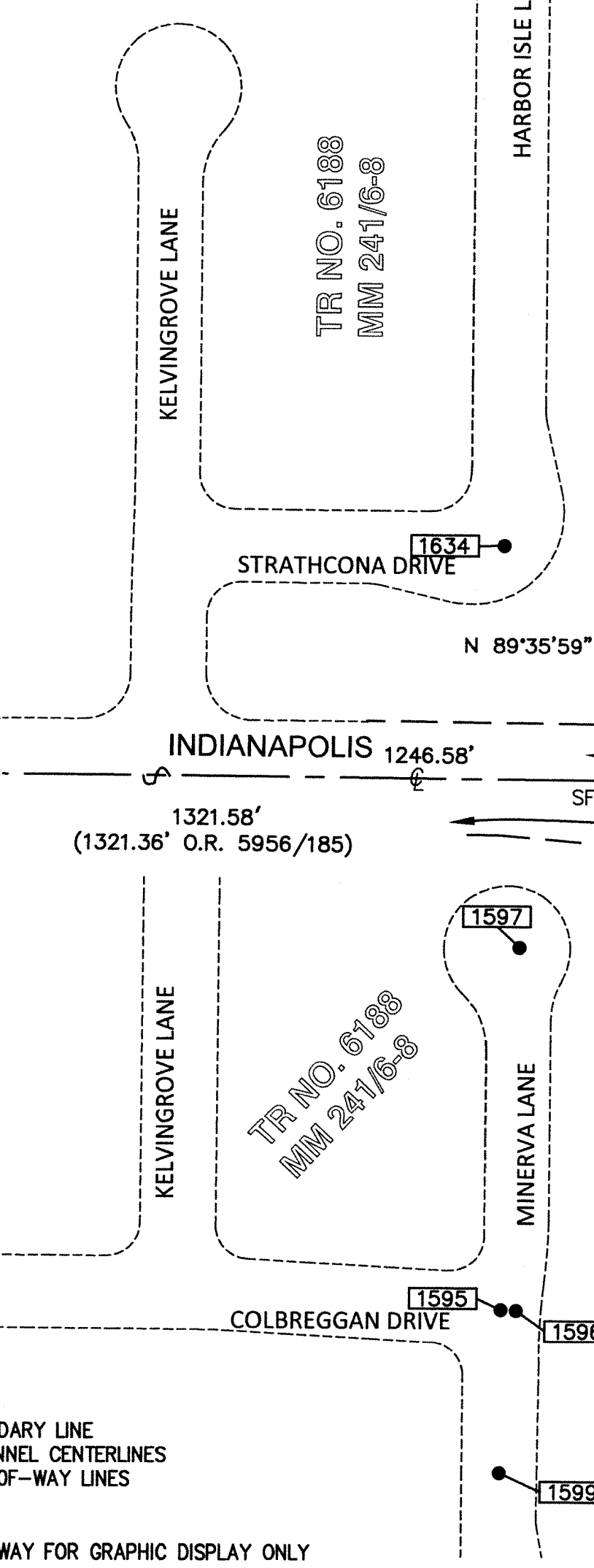
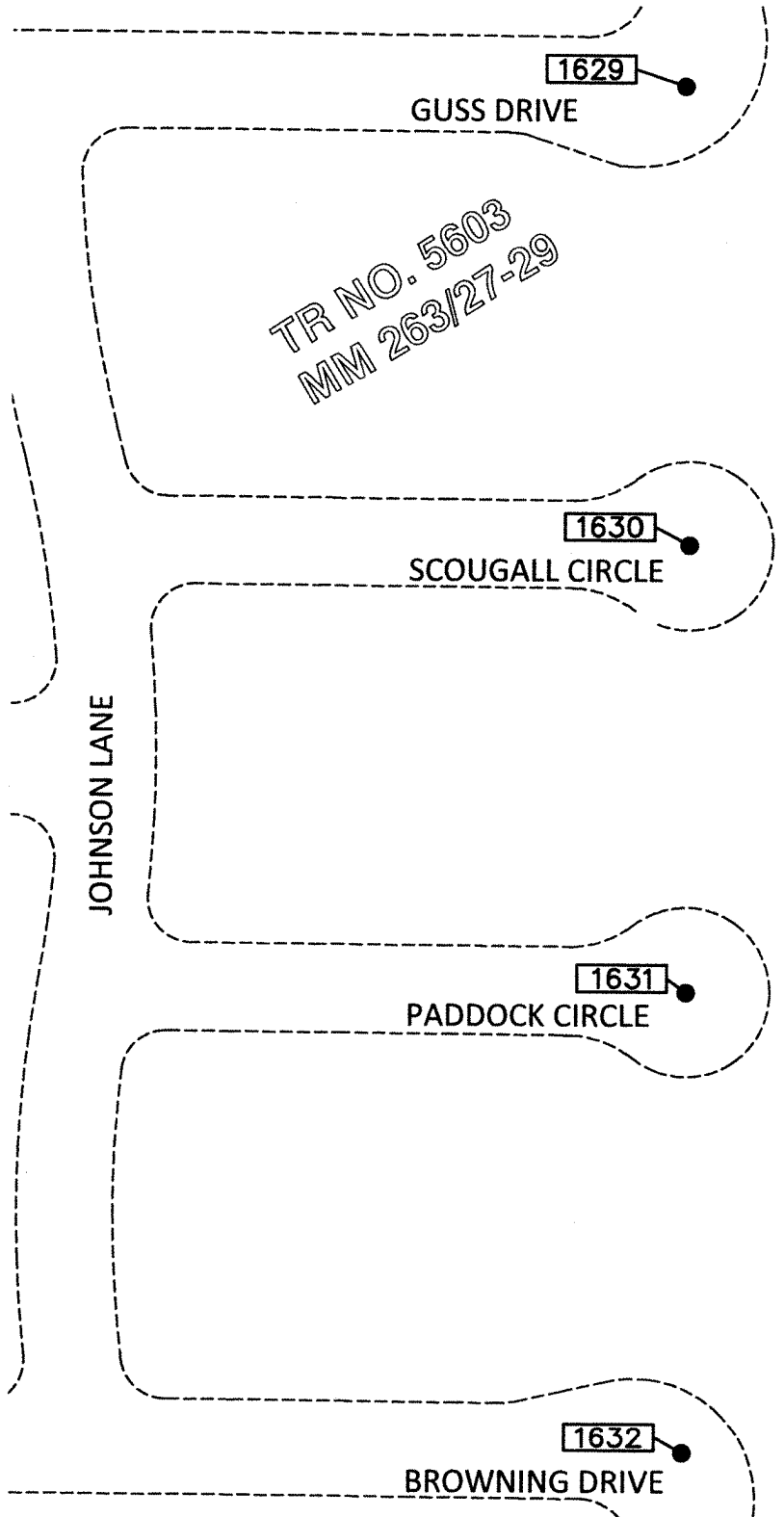
SEE SHEET 1

SEE SHEET 10

SEE SHEET 7

LINE LEGEND

- CHANNEL BOUNDARY LINE
- STREET & CHANNEL CENTERLINES
- STREET RIGHT-OF-WAY LINES
- SECTION LINES
- RADIAL LINES
- GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY



MON. 2058 DETAIL
NO SCALE
RECORD INFORMATION TAKEN
FROM C.R. 2015-2535

SHEET NOTE:

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- SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS

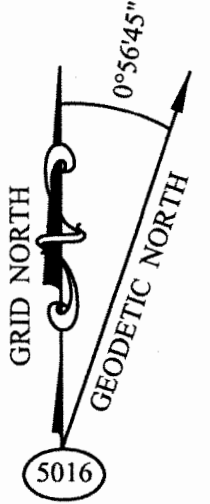
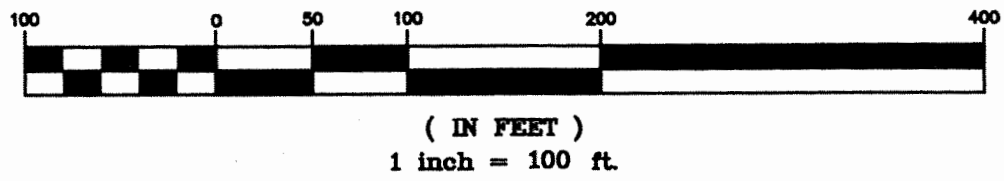
RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

GRAPHIC SCALE



SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 35 OF 35 SHEETS.

SEE SHEET 12

SEE SHEET 11

SEE SHEET 12

SEE SHEET 1

SEE SHEET 1

SEE SHEET 9

SEE SHEET 9

TR NO. 4493
MM 1597-11

TR NO. 4630
MM 16630-34

SW 1/4, SECTION 6
T6S, R10W

TR NO. 4284
MM 16334-37

TR NO. 4496
MM 15744-45

TR NO. 5603
MM 26327-29

TR NO. 5755
MM 21926-27

SEE BOUNDARY NARRATIVE #15 ON
SHEET 33 FOR DISCUSSION OF
BOUNDARY ISSUES IN THIS AREA

SEE BOUNDARY NARRATIVE #14 ON
SHEET 33 FOR DISCUSSION OF
BOUNDARY ISSUES IN THIS AREA

LINE LEGEND

- CHANNEL BOUNDARY LINE
- STREET & CHANNEL CENTERLINES
- STREET RIGHT-OF-WAY LINES
- SECTION LINES
- RADIAL LINES
- GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

SHEET NOTE:

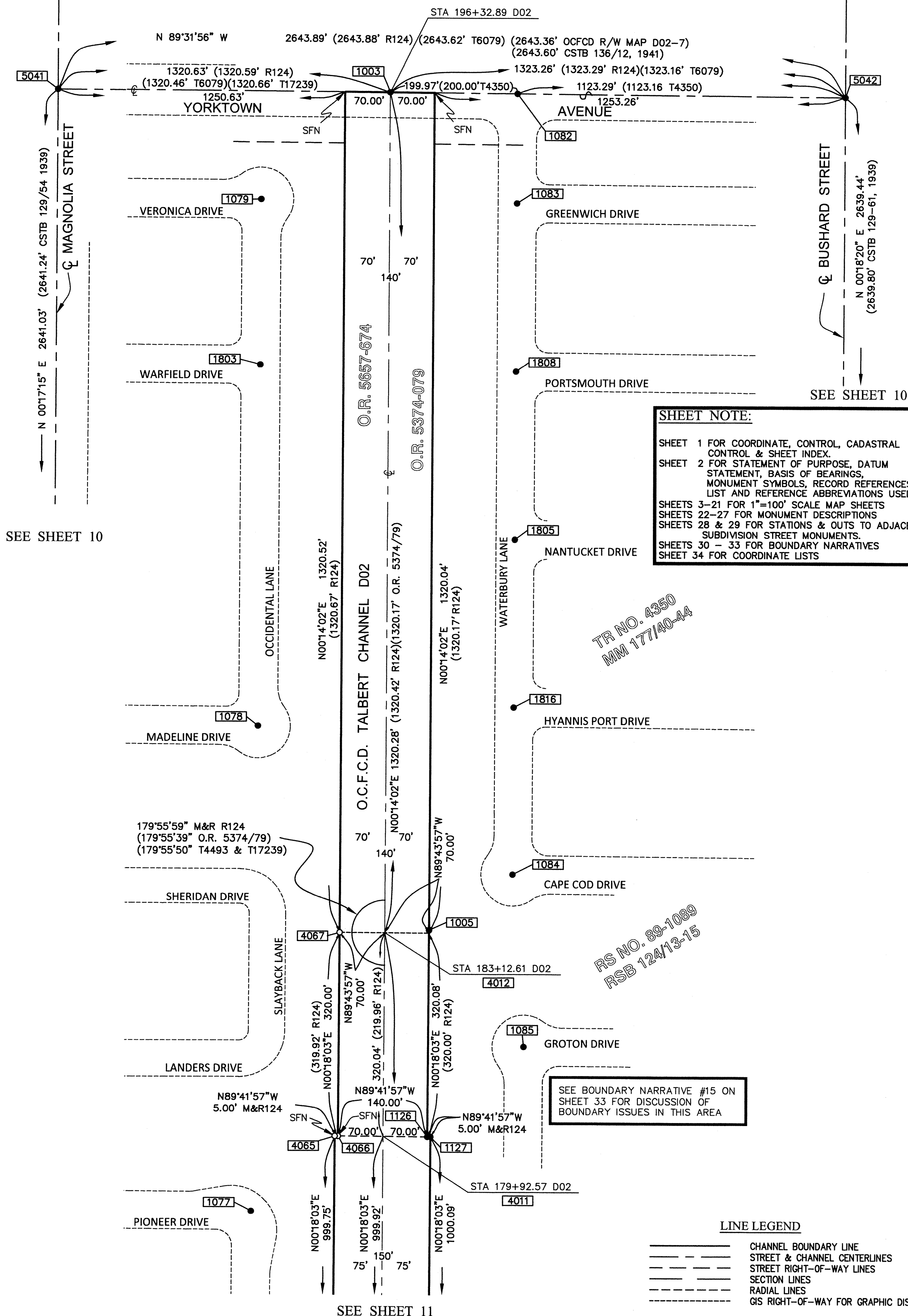
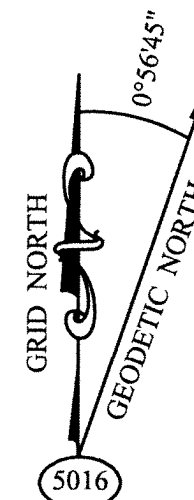
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- SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS

SEE SHEET 12

DUPLICATE

335

二



LINE LEGEND

=====	CHANNEL BOUNDARY LINE
-----	STREET & CHANNEL CENTERLINES
-----	STREET RIGHT-OF-WAY LINES
-----	SECTION LINES
-----	RADIAL LINES
-----	GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

DUPLICATE

335

13

SHEET 13 OF 35

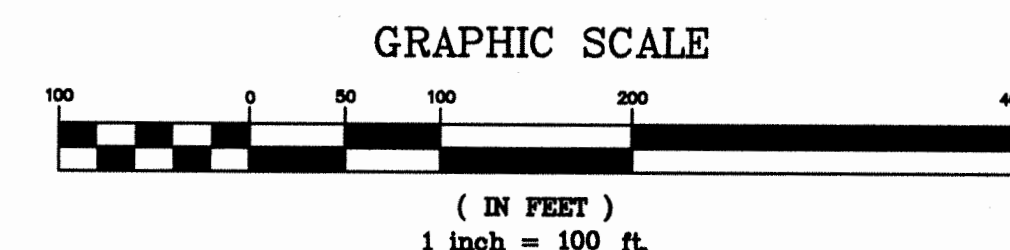
RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

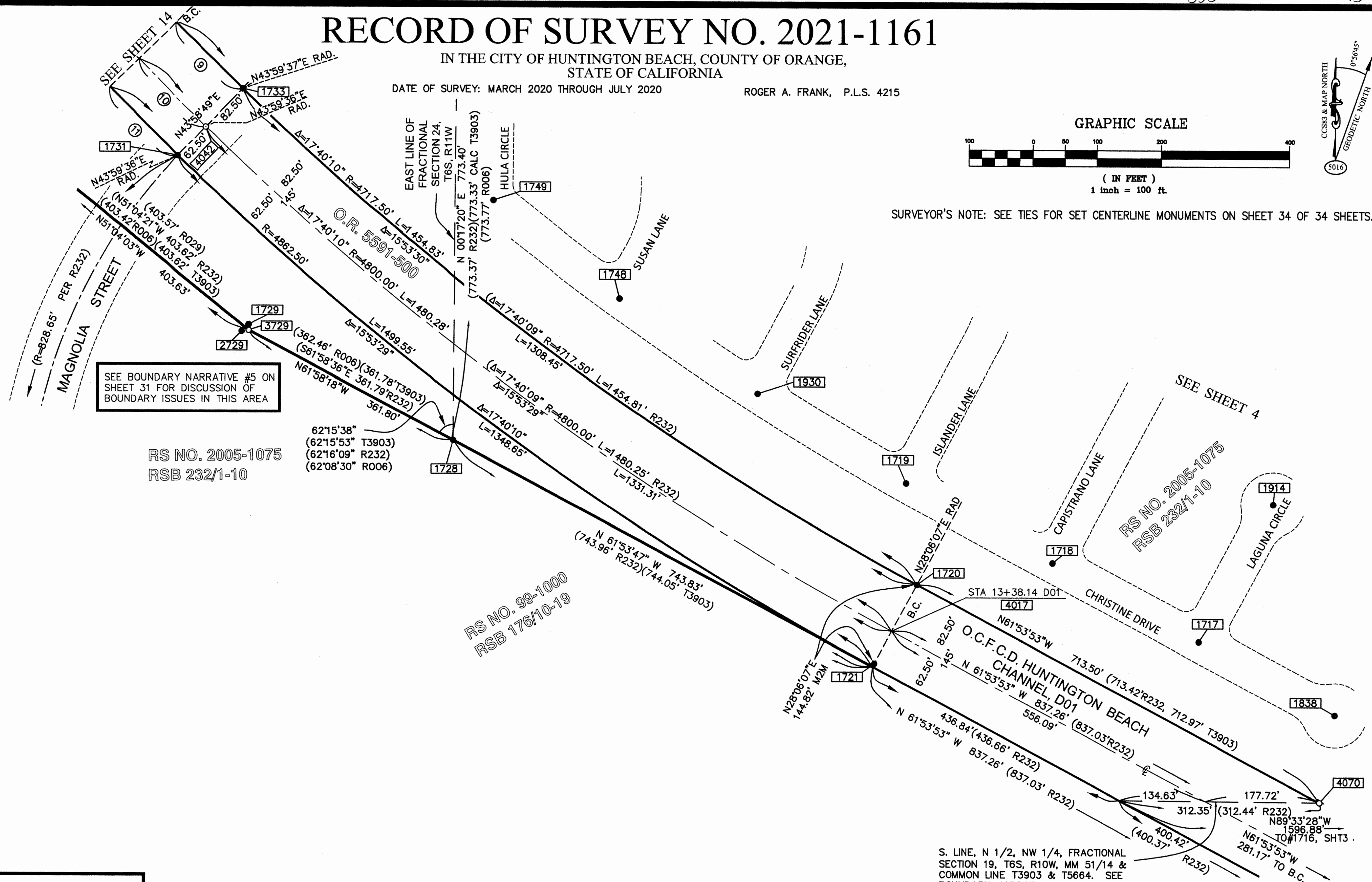
DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

- ⑨ = R=4717.50'
L=146.38'
Δ=01°46'40"
- ⑩ = R=4800.00'
L=148.96'
Δ=01°46'41"
- ⑪ = R=4862.50'
L=150.90'
Δ=01°46'41"



SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 34 OF 34 SHEETS.



SHEET NOTE:

SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
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SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

LINE LEGEND

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DUPLICATE

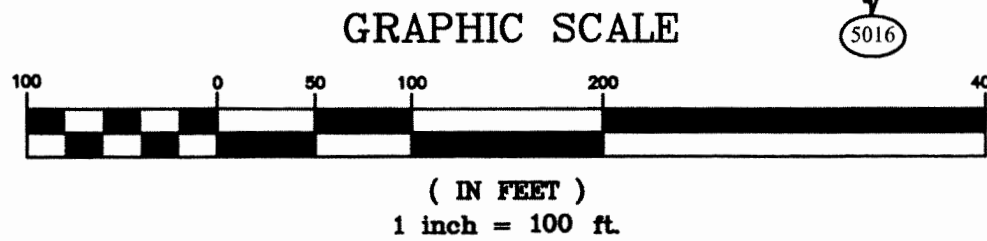
RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 34 OF 34 SHEETS.



Q HAMILTON AVE.

5011

Q MAGNOLIA STREET

1784

EAST LINE SECTION 13, T6S, R11W

SEE SHEET 1

SEE SHEET 4

SEE SHEET 13

SHEET NOTE:

SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
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SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

NO.	DELTA	RADIUS	LENGTH	REC ANGLE	REC RADIUS	REC LENGTH	REF.
1	$\Delta=4^{\circ}05'48''$	R=2462.50'	L=176.08'	$\langle \Delta=4^{\circ}05'52'' \rangle$	$\langle R=2462.50' \rangle$	$\langle L=176.12' \rangle$	$\langle R232 \rangle$
2	$\Delta=1^{\circ}46'50''$	R=2462.50'	L=76.52'	$\langle \Delta=1^{\circ}46'41'' \rangle$	$\langle R=2462.50' \rangle$	$\langle L=76.42' \rangle$	$\langle R232 \rangle$
6	$\Delta=12^{\circ}26'53''$	R=1000.42'	L=217.35'	$\langle \Delta=12^{\circ}27'27'' \rangle$	$\langle R=1000.00' \rangle$	$\langle L=217.42' \rangle$	$\langle R232 \rangle$
7	$\Delta=3^{\circ}48'36''$	R=1000.42'	L=66.52'	$\langle \Delta=3^{\circ}48'35'' \rangle$	$\langle R=1000.00' \rangle$	$\langle L=66.49' \rangle$	$\langle R232 \rangle$
8	$\Delta=27^{\circ}26'13''$	R=1000.42'	L=479.07'	$\langle \Delta=27^{\circ}25'59'' \rangle$	$\langle R=1000.00' \rangle$	$\langle L=478.80' \rangle$	$\langle R232 \rangle$
9	$\Delta=1^{\circ}46'40''$	R=4717.50'	L=146.38'	$\langle \Delta=1^{\circ}46'40'' \rangle$	$\langle R=4717.50' \rangle$	$\langle L=146.38' \rangle$	$\langle R232 \rangle$
10	$\Delta=1^{\circ}46'41''$	R=4800.00'	L=148.96'	$\langle \Delta=1^{\circ}46'40'' \rangle$	$\langle R=4800.00' \rangle$	$\langle L=148.93' \rangle$	$\langle R232 \rangle$
11	$\Delta=1^{\circ}46'41''$	R=4862.50'	L=150.90'	$\langle \Delta=1^{\circ}46'40'' \rangle$	$\langle R=4862.50' \rangle$	$\langle L=150.87' \rangle$	$\langle R232 \rangle$
12	$\Delta=0^{\circ}22'35''$	R=2400.00'	L=15.77'	$\langle \Delta=0^{\circ}22'26'' \rangle$	$\langle R=2400.00' \rangle$	$\langle L=15.66' \rangle$	$\langle R232 \rangle$

NO.	BEARING	DISTANCE	RECORD DISTANCE
3	N 44°13'43" W	65.86'	$\langle 65.96' R232 \rangle$
4	N 44°13'43" W	181.20'	$\langle 181.23' R232 \rangle$
5	N 89°30'58" W	19.56'	$\langle 19.62' R232 \rangle$
13	N 35°32'55" E	13.92'	$\langle 13.96' R232 \rangle$
14	N 35°32'55" E	162.60'	$\langle 162.65' R232 \rangle$
15	N 44°56'32" W	16.24'	$\langle 16.29' R232 \rangle$

SEE BOUNDARY NARRATIVE #5 ON SHEET 31 FOR DISCUSSION OF BOUNDARY ISSUES IN THIS AREA

SEE BOUNDARY NARRATIVE #3 ON SHEET 30 FOR DISCUSSION OF BOUNDARY ISSUES IN THIS AREA

PCL 103.1 PER O.R. 5591/500
[ESSENTIALLY ALL OF R006
SWLY OF THE 145' STRIP OF PCL 103,
AND SOUTHEAST OF THE SOUTHEASTERLY
LINE OF O.R. 7022/413]

SEE BOUNDARY NARRATIVE #5 ON SHEET 31 FOR DISCUSSION OF BOUNDARY ISSUES IN THIS AREA

LINE LEGEND

- CHANNEL BOUNDARY LINE
- STREET & CHANNEL CENTERLINES
- STREET RIGHT-OF-WAY LINES
- SECTION LINES
- RADIAL LINES
- GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

RS NO. 2005-1075
RSB 232/1-10

SHEET 15 OF 35

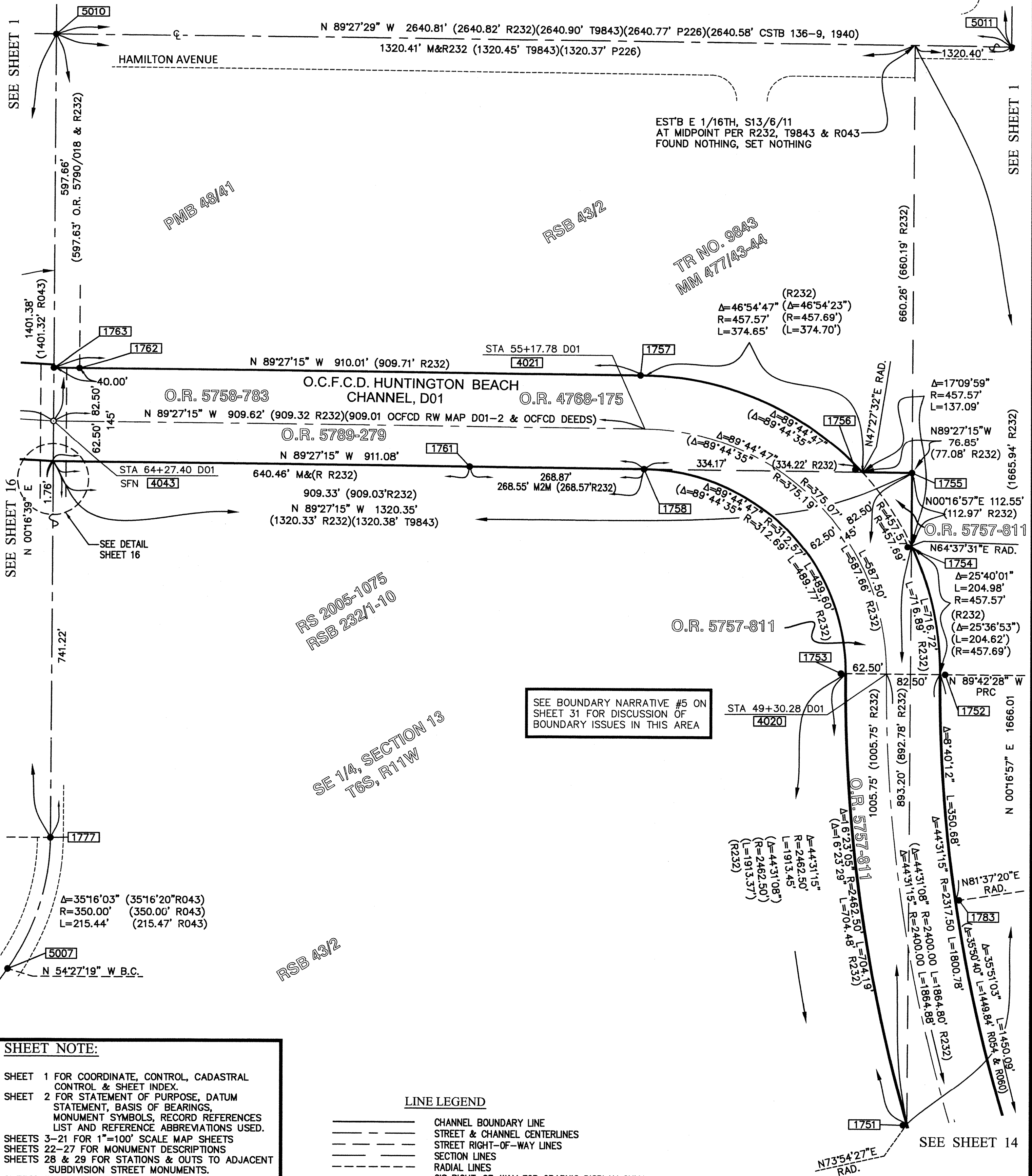
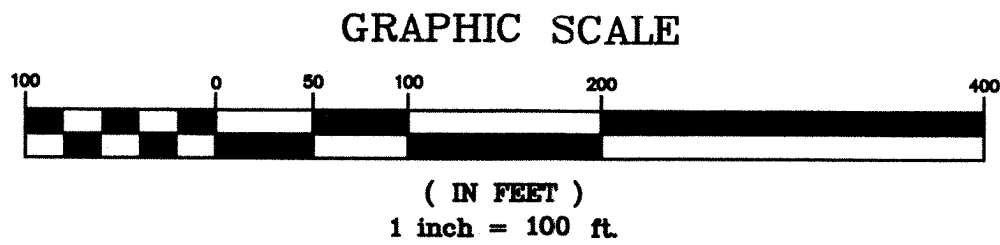
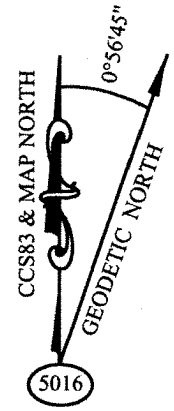
RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 34 OF 34 SHEETS.



SHEET NOTE:

SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
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SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

LINE LEGEND

	CHANNEL BOUNDARY LINE
	STREET & CHANNEL CENTERLINES
	STREET RIGHT-OF-WAY LINES
	SECTION LINES
	RADIAL LINES
	GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

DUPLICATE

335

16

SHEET 16 OF 35

RECORD OF SURVEY NO. 2021-1161

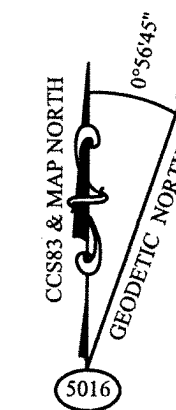
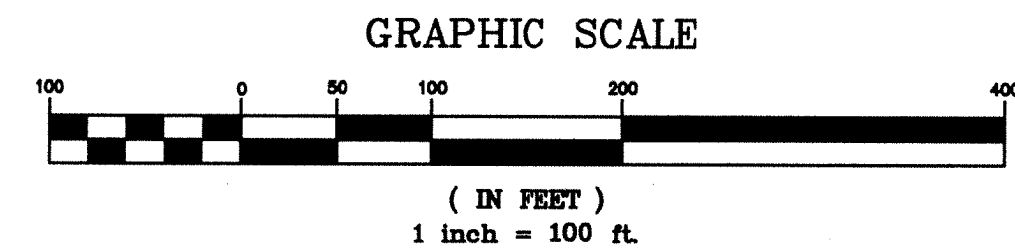
IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 34 OF 34 SHEETS.

SEE SHEET 17



SEE BOUNDARY NARRATIVE #6 ON
SHEET 31 FOR DISCUSSION OF
BOUNDARY ISSUES IN THIS AREA

ACCEPTED AS SOUTH LINE NW 1/4, SECTION 13, T6S, R11W

SW 1/4, SECTION 13
T6S, R11W

HAMILTON AVENUE

NEWLAND STREET

PMB 48/41

SHEET NOTE:

SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL
CONTROL & SHEET INDEX.
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STATEMENT, BASIS OF BEARINGS,
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SUBDIVISION STREET MONUMENTS.
SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

LINE LEGEND

CHANNEL BOUNDARY LINE
STREET & CHANNEL CENTERLINES
STREET RIGHT-OF-WAY LINES
SECTION LINES
RADIAL LINES
GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

DETAIL
NO SCALE

DUPLICATE

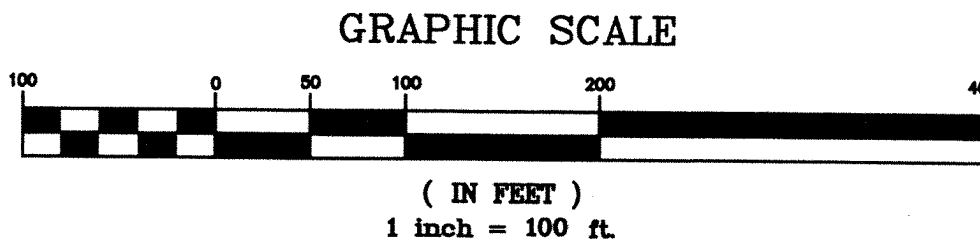
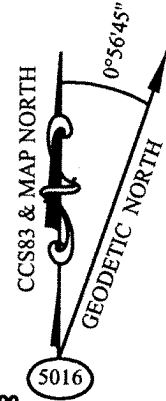
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IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

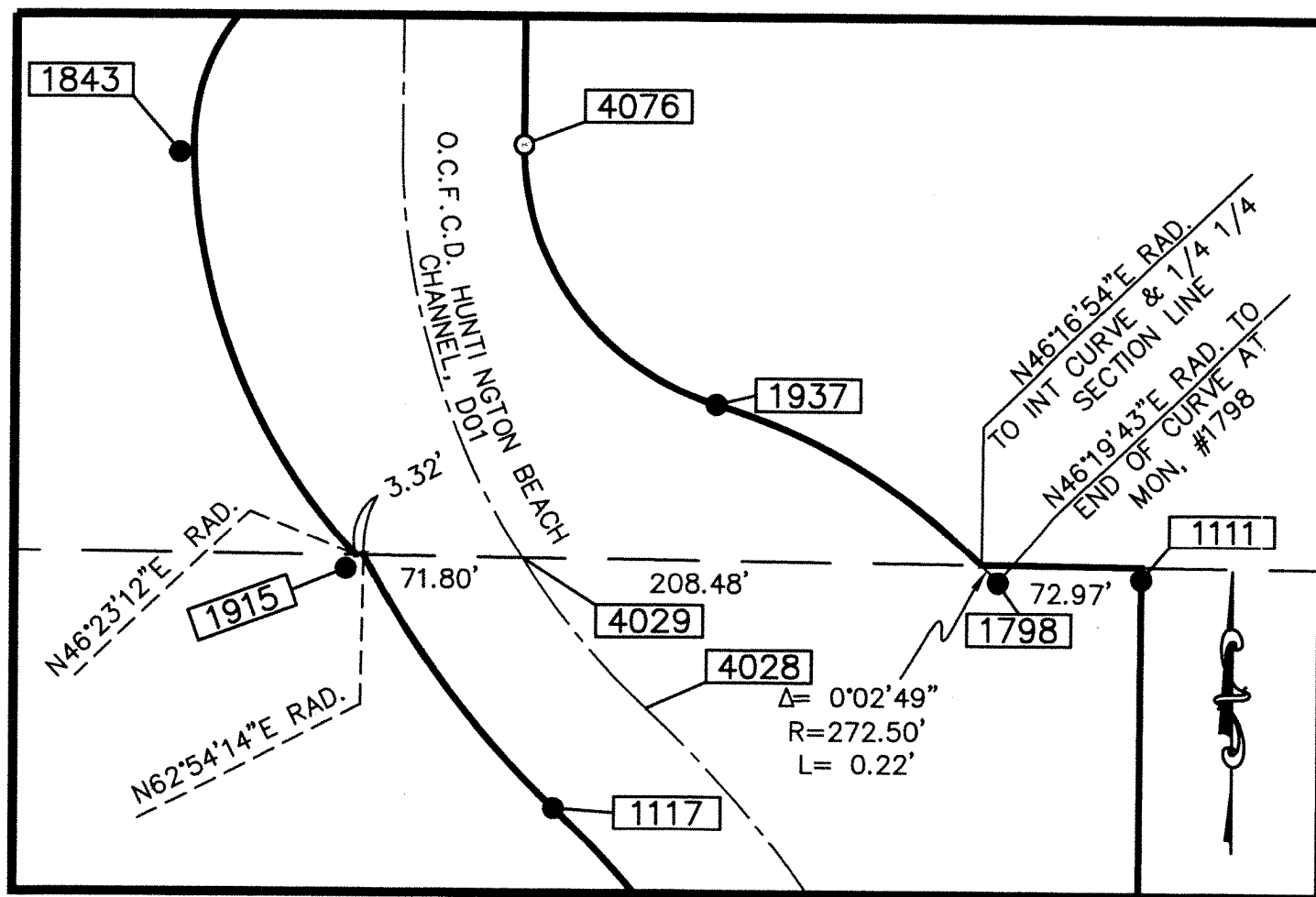
DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

SEE SHEET 18



SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 34 OF 34 SHEETS.

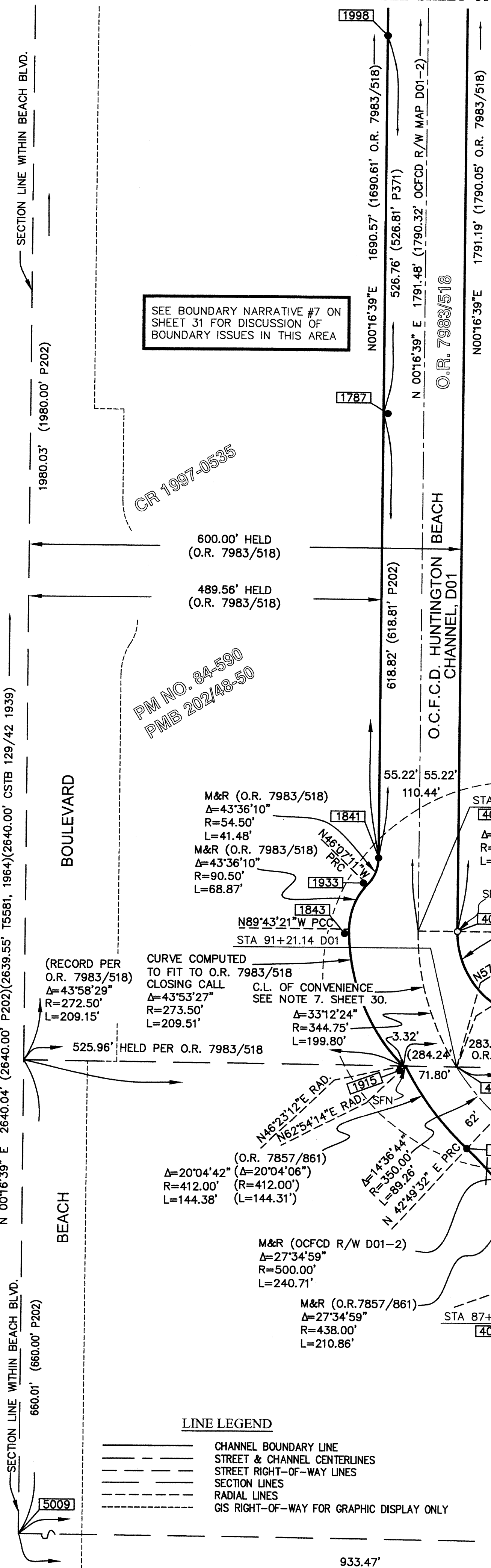


DETAIL
SCALE: 1"=80'

NW 1/4, SECTION 13
T6S, R11W

SEE SHEET 18

SEE SHEET 1



LINE LEGEND

- CHANNEL BOUNDARY LINE
- STREET & CHANNEL CENTERLINES
- STREET RIGHT-OF-WAY LINES
- SECTION LINES
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- SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS

SEE BOUNDARY NARRATIVE #6 ON SHEET 31 FOR DISCUSSION OF BOUNDARY ISSUES IN THIS AREA

SEE SHEET 16

RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

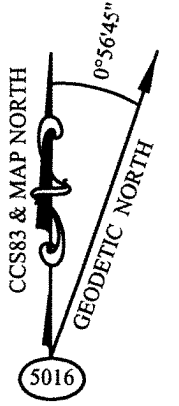
ROGER A. FRANK, P.L.S. 4215

SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 34 OF 34 SHEETS.

GRAPHIC SCALE



(IN FEET)
1 inch = 100 ft.



SEE SHEET 19

CABRILLO LANE

MONARCH LANE

CATAMARAN LANE

STINSON DRIVE

SNOWBIRD DRIVE

NEWLAND STREET

N 00°08'53" E 2659.80'
(2660.16' CSTB 129/43, 1938 +0.36')
(N 00°08'49"E 2659.88' T17296)
(2660.11' T3977, 1961)

BOULEVARD

SEE MONUMENT DESCRIPTION
2001 ON SHEET 25 FOR
POSITIONAL INFORMATION

SEE BOUNDARY NARRATIVE #8 ON
SHEET 32 FOR DISCUSSION OF
BOUNDARY ISSUES IN THIS AREA

O.C.F.C.D. HUNTINGTON BEACH
CHANNEL, D01

O.R. 8582-497

TR NO. 4409
MM 152/39-41

LINE LEGEND

- CHANNEL BOUNDARY LINE
- STREET & CHANNEL CENTERLINES
- STREET RIGHT-OF-WAY LINES
- SECTION LINES
- RADIAL LINES
- GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

SEE SHEET 19

SEE DETAIL
BELOW AT RIGHT

NOTE: MON. 1939 IS HELD
FOR EAST R/W LINE NORTHERLY.
NOTE: EAST LINE OF D01 S'LY
IS 0.08' WEST OF MON. 1939

N 00°16'39" E 2640.03' (2640.00' P202)
(2639.55' T5581, 1964)(2640.00' CSTB 129/42 1939)
1980.03' (1980.00' P202)

BEACH

500.08
(500.05' RC T4649)(500.04'FC68)

1938

100.00' M
&(R T4649)

1939

2642.03'

1956

TO D01 E'LY R/W NORTHERLY 2041.94'

TO D01 E'LY R/W SOUTHERLY 2042.02'

ATLANTA

AVENUE

STA 111+12.39 D01 [5.30' JOG RT] [4045]

STA 111+12.42 D01 [4044]

TR NO. 5581
MM 205/36-42

SEE SHEET 17

SECTION LINE WITHIN BEACH BLVD.

1998

526.76' (526.81' P371)

1690.57' (1690.61' O.R. 7983/518)

1791.19' (1790.05' O.R. 7983/518)

1791.19' (1790.05' O.R. 7983/518)

1791.19' (1790.05' O.R. 7983/518)

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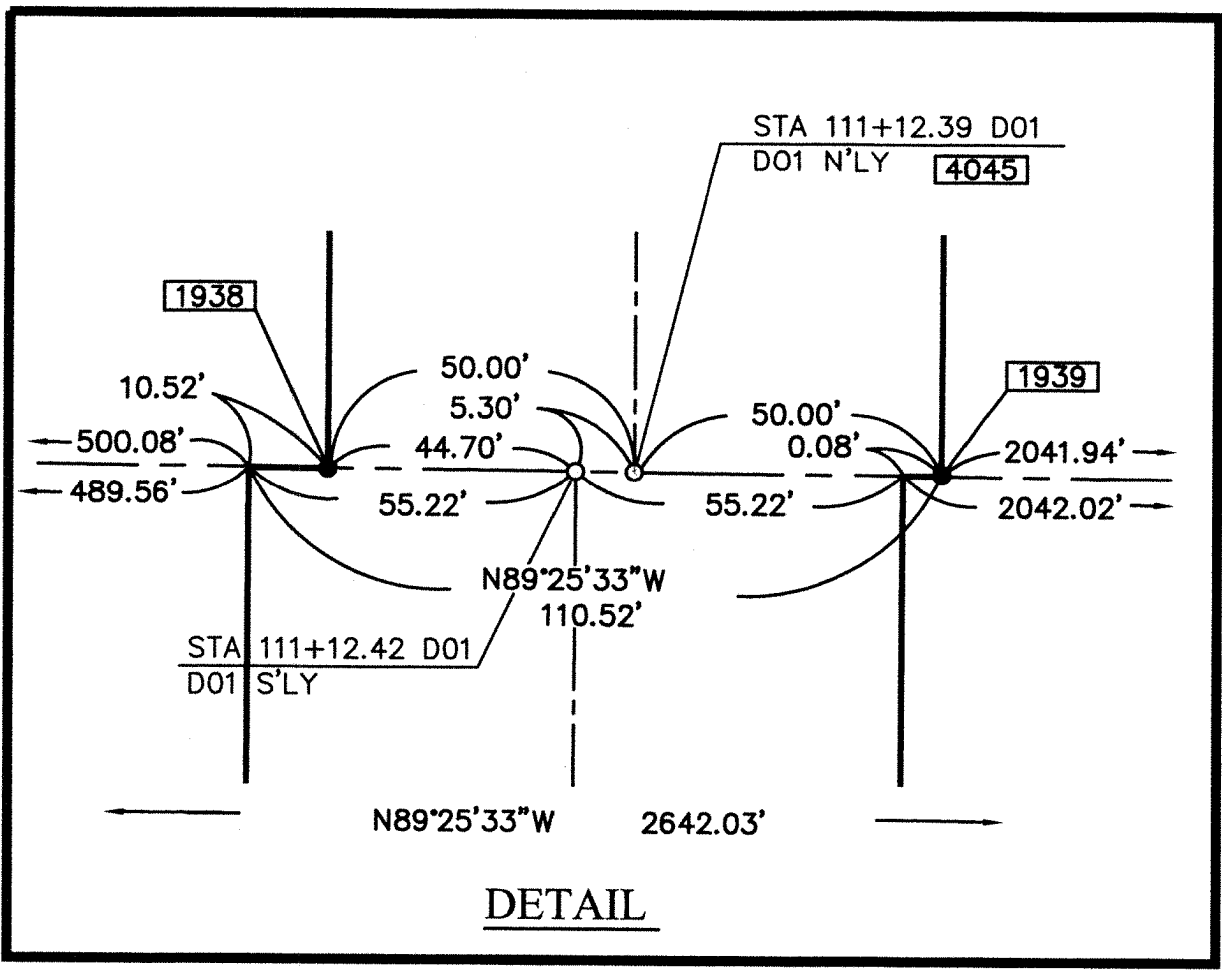
1791.19' (1790.05' O.R. 7983/518)

1791.19' (1790.05' O.R. 7983/518)

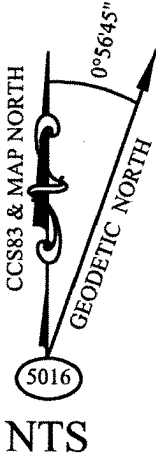
1791.19' (1790.05' O.R. 7983/518)

1791.19' (1790.05' O.R. 7983/518)

1791.19' (1790.05' O.R. 7983/518)



DETAIL



NTS

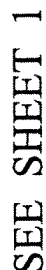
SEE BOUNDARY NARRATIVE #7 ON
SHEET 31 FOR DISCUSSION OF
BOUNDARY ISSUES IN THIS AREA

SHEET NOTE:

- SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
- SHEET 2 FOR STATEMENT OF PURPOSE, DATUM STATEMENT, BASIS OF BEARINGS, MONUMENT SYMBOLS, RECORD REFERENCES LIST AND REFERENCE ABBREVIATIONS USED.
- SHEETS 3-21 FOR 1"=100' SCALE MAP SHEETS
- SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
- SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
- SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS

SEE SHEET 17

ROGER A. FRANK, P.L.S. 4215



SEE SHEET 18

SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL
CONTROL & SHEET INDEX.
SHEET 2 FOR STATEMENT OF PURPOSE, DATUM
STATEMENT, BASIS OF BEARINGS,
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SUBDIVISION STREET MONUMENTS.
SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

SEE BOUNDARY NARRATIVE #8 ON
SHEET 32 FOR DISCUSSION OF
BOUNDARY ISSUES IN THIS AREA

SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 34 OF 34 SHEETS.

RS NO. 95-1033
RSB 153/25-27

SW 1/4, SECTION 12
T6S, R11W

TR NO. 4409
MM 152/39-41

_____ CHANNEL BOUNDARY LINE
 _____ STREET & CHANNEL CENTERLINES
 _____ STREET RIGHT-OF-WAY LINES
 _____ SECTION LINES
 _____ RADIAL LINES
 _____ GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

DUPLICATE

335

19

RECORD OF SURVEY NO. 2021-1161

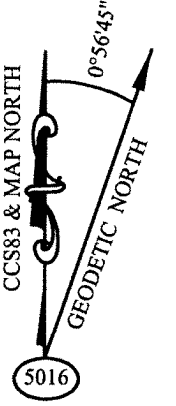
IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

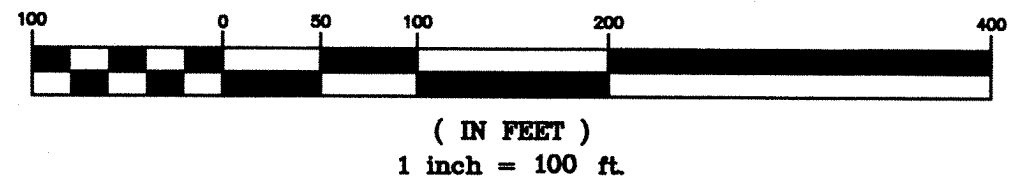
ROGER A. FRANK, P.L.S. 4215

SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 34 OF 34 SHEETS.

SEE SHEET 21



GRAPHIC SCALE

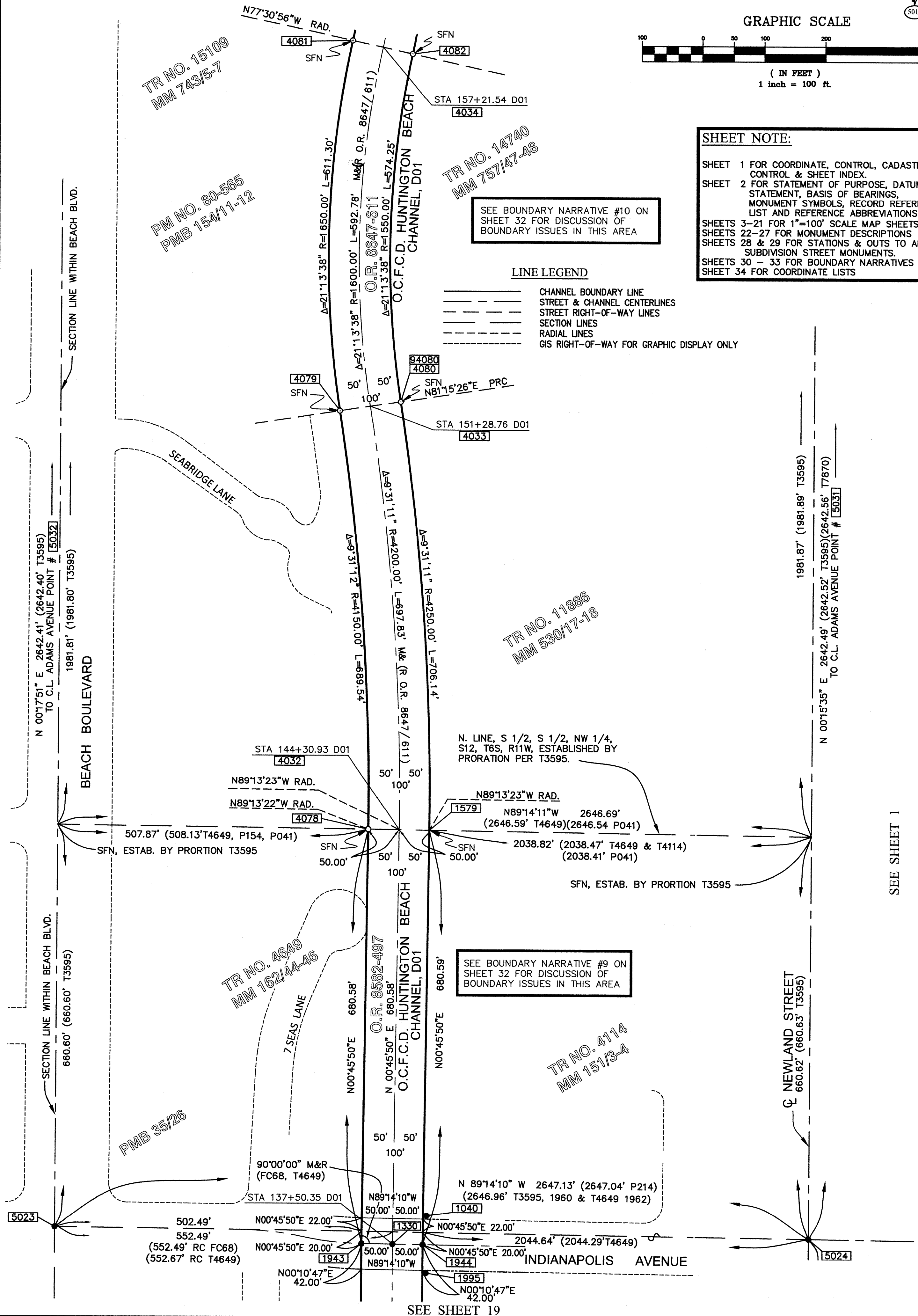


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SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

LINE LEGEND

CHANNEL BOUNDARY LINE
STREET & CHANNEL CENTERLINES
STREET RIGHT-OF-WAY LINES
SECTION LINES
RADIAL LINES
GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY



SEE SHEET 19

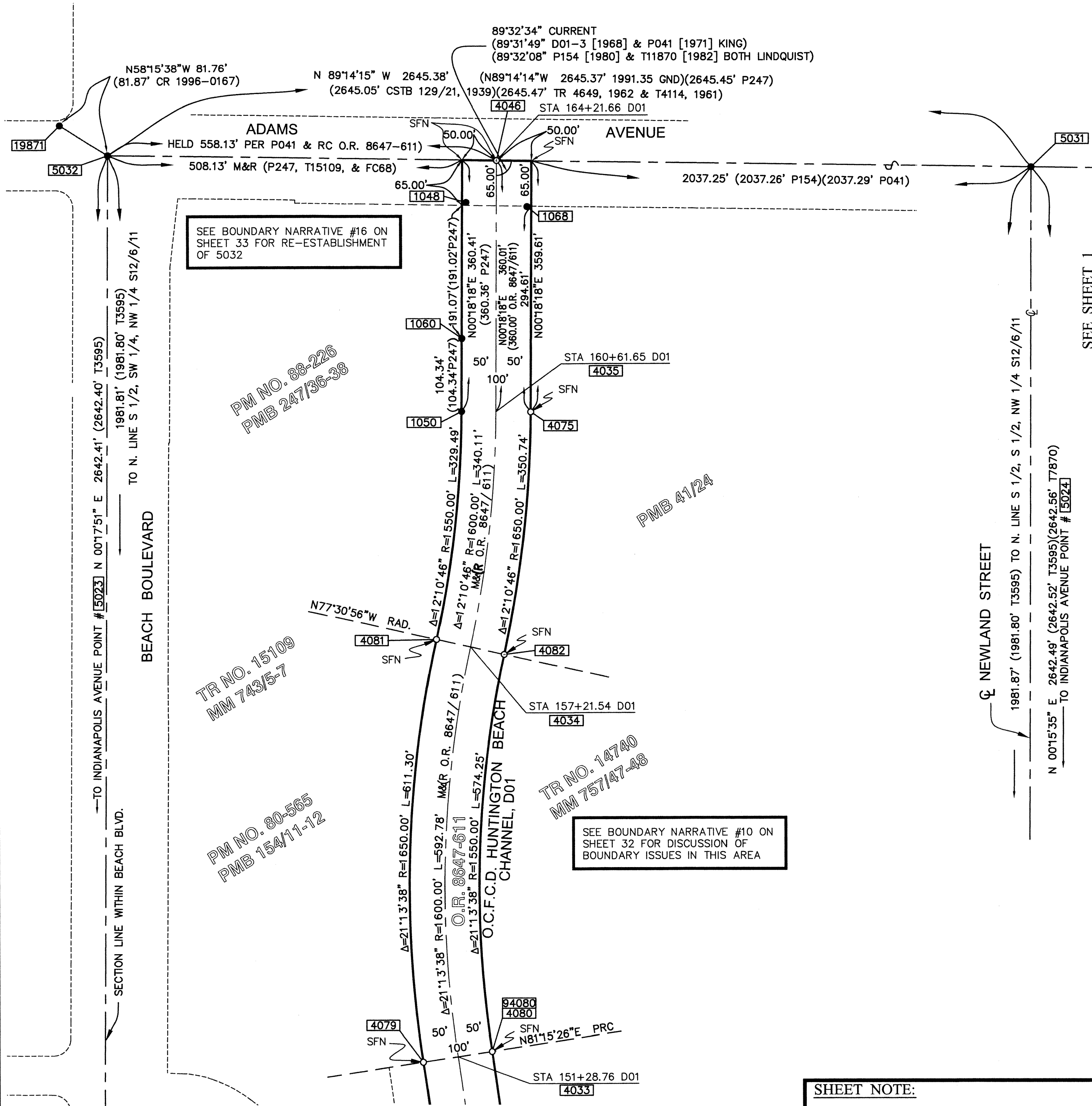
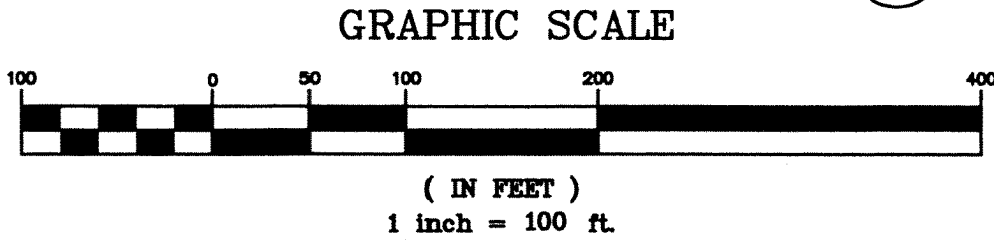
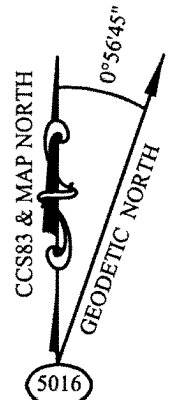
RECORD OF SURVEY NO. 2021-1161

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ROGER A. FRANK, P.L.S. 4215

SURVEYOR'S NOTE: SEE TIES FOR SET CENTERLINE MONUMENTS ON SHEET 35 OF 35 SHEETS.



LINE LEGEND

- CHANNEL BOUNDARY LINE
- STREET & CHANNEL CENTERLINES
- STREET RIGHT-OF-WAY LINES
- SECTION LINES
- RADIAL LINES
- GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

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RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

FOUND MONUMENT NOTES

FVPK THIS IS A CONTINUOUS GPS STATION (CGPS)
NAD83, 2007.00 EPOCH POSITION:
N. LATITUDE: 33°39'44.36284"
W. LONGITUDE: 117°56'08.52063"

TRAK THIS IS A CONTINUOUS GPS STATION (CGPS)
NAD83, 2007.00 EPOCH POSITION:
N. LATITUDE: 33°37'04.55273"
W. LONGITUDE: 117°48'12.31553"

- 1000 FOUND A GEAR SPIKE & WASHER STAMPED "CITY OF H.B." FLUSH IN AC PAVEMENT IN THE INTERSECTION OF MAGNOLIA STREET WITH INDIANAPOLIS AVENUE PER CR 2012-2486. (MONUMENT 1000 IS N51°59'09"W 2.995' FROM GPS STATION 5025R1) AND IS THE EXACT SAME TYPE MONUMENT. REVIEW OF RECORD MAPPING IN THE AREA TENDS TO AGREE THAT THE LOCATION OF THE NORTHWESTERLY OF THESE TWO MONUMENTS, #1000, IS THE ACCEPTED COMMON 1/4 CORNER OF SECTION 12/6/11 AND SECTION 7/6/10. ACCEPTED AS SAME FOR THIS SURVEY.
- 1001 FOUND A 2 INCH IRON PIPE WITH TAG, "RCE 12589" DOWN 0.6 FEET IN WELL AT THE APPARENT P.I. OF BANNING AVENUE, 125± SOUTHEAST OF THE INTERSECTION OF BANNING AVENUE WITH MAGNOLIA STREET, PER R232. ACCEPTED AS THE COMMON CORNER, SECTIONS 18 & 19, T6S, R10W; AND SECTIONS 13 & 24 T6S, R11W.
- 1003 FOUND PUNCHED SPIKE AND WASHER STAMPED "PLS 7914" FLUSH, PER TRACT 17239, MM 926/19-24, AND CR 2016-0380. MONUMENT FALLS N 0°14'02"E 0.05' FROM C.L. YORKTOWN, AS CURRENTLY MONUMENTED. ALSO, FITS WITHIN 0.03' OF A PROPORTIONAL POSITION FOR C.L. D02, TALBERT CHANNEL, PER O.R. 5374/79 AND T6079. ACCEPTED AS A POINT ON CHANNEL CENTERLINE.
- 1005 FOUND 2 INCH IRON PIPE WITH BRASS SCREW AND 1 1/4 INCH BRASS TAG WITH NO NUMBER, PER R124, DOWN 2.5 FEET. THIS IS PROBABLY A R/W MONUMENT SET BY FC61, HOWEVER, WITH NO ACTUAL DESCRIPTION IN THE NOTES, AND NO STAMPING ON THE TAG, IT IS DIFFICULT TO BE POSITIVE. WE FIND THIS MONUMENT TO BE 0.10' WEST OF THE EASTERLY R/W LINE D02, AND 0.10' NORTH OF THE ANGLE POINT IN THE R/W LINE (SHOWN AS ON LINE, AND 0.18' NORTH PER R124).
- 1040 FOUND A 2 1/2 INCH IRON PIPE WITH 1 1/4 INCH BRASS DISK STAMPED "OCFCD R/W", PER FC68, FLUSH. MONUMENT COMPUTES TO BE N41°E 0.05' FROM THE INTERSECTION OF THE EAST LINE OF D01 WITH THE NORTH R/W LINE OF INDIANAPOLIS AVENUE.
- 1048 FOUND 2 INCH IRON PIPE WITH BRASS TACK AND 3/4 INCH BRASS TAG STAMPED "LS 4467", PER OCS A/6-11, 80, & T15109, IN LIEU OF 1" I.P. "LS4467" PER P247, DOWN 0.3 FEET. MONUMENT COMPUTES TO BE 0.04' NORTH OF SOUTHERLY R/W LINE ADAMS AVENUE, AND 0.07' EAST OF THE WEST R/W LINE OF D01.
- 1050 FOUND LEAD AND BRASS TACK WITH 3/4 INCH BRASS TAG STAMPED "LS 4467" DOWN 1 FOOT IN CONCRETE, IN LIEU OF 1" I.P. "LS 4467" PER P247. MONUMENT COMPUTES TO BE 0.16' EAST OF WESTERLY R/W LINE D01, AND 0.04' NORTH OF THE E.C. OF THE WESTERLY R/W LINE D01.
- 1060 FOUND A 2 INCH IRON PIPE WITH BRASS TACK AND 3/4 INCH BRASS TAG STAMPED "LS 4467", IN LIEU OF 1" I.P. "LS 4467" PER P247, DOWN 0.5 FEET. MONUMENT COMPUTES TO BE 0.20' EAST OF WESTERLY R/W LINE D01.
- 1068 FOUND A 1 INCH IRON PIPE WITH PLASTIC PLUG STAMPED "RCE 18752", PER T11870, DOWN 0.2 FEET. NOT SHOWN ON RECORD MAP, BUT APPEARS TO BE A ONE FOOT OFFSET TO ACTUAL TRACT CORNER. MONUMENT COMPUTES TO BE 0.05' SOUTH OF THE SOUTHERLY R/W LINE ADAMS AVE, AND 1.03' WEST OF THE EAST R/W LINE D01.
- 1076 FOUND PUNCHED SPIKE AND WASHER STAMPED "PLS 7914", PER CR 2016-0374, FLUSH AT THE APPARENT C.L. INTERSECTION OF LOTUS LANE WITH ADAMS AVENUE FRONTAGE ROAD.
- 1077 FOUND PUNCHED SPIKE AND WASHER STAMPED "PLS 7914", PER CR 2016- 0371, FLUSH AT THE APPARENT C.L. INTERSECTION OF LOTUS LANE WITH PIONEER DRIVE.
- 1078 FOUND BRASS TACK AND TAG IN CONCRETE PATCH STAMPED "RCE 21005", PER CR 2002-1024 AND OCS A/6-10, 654-674, FLUSH AT APPARENT C.L. INTERSECTION OF OCCIDENTAL LANE WITH MADELINE DRIVE. LISTENED WITH METAL LOCATOR AND HEARD STRONG SIGNAL, INDICATING PROBABLE RAILROAD SPIKE BENEATH THE CONCRETE PATCH.
- 1079 FOUND BRASS TACK AND TAG IN CONCRETE PATCH STAMPED "RCE 21005", PER CR 2002-1022 AND OCS A/6-10, 654-674, FLUSH AT APPARENT INTERSECTION OF OCCIDENTAL LANE WITH VERONICA DRIVE. LISTENED WITH METAL LOCATOR AND HEARD STRONG SIGNAL, INDICATING PROBABLE RAILROAD SPIKE BENEATH THE CONCRETE PATCH.
- 1082 FOUND MAG NAIL AND WASHER STAMPED "LS 6970", PER CR 2007-0020, FLUSH, AT THE APPARENT INTERSECTION OF YORKTOWN AVENUE WITH WATERBURY LANE. MONUMENT IS 'ON' C.L. YORKTOWN AS CURRENTLY MONUMENTED.
- 1083 FOUND BRASS TACK AND TAG IN CONCRETE PATCH STAMPED "RCE 21005" PER CR 2002-1027 AND OCS A/6-10, 654-674, FLUSH. LISTENED WITH METAL LOCATOR AND HEARD STRONG SIGNAL, INDICATING PROBABLE RAILROAD SPIKE BENEATH THE CONCRETE PATCH.
- 1084 FOUND PUNCHED RAILROAD SPIKE PER OCS A/6-10, 654-674, DOWN 0.1 FEET AT APPARENT INTERSECTION OF WATERBURY LANE AND CAPE COD DRIVE.
- 1085 FOUND PUNCHED RAILROAD SPIKE PER R124, CR 2006-1677 & CR 2007- 0546, DOWN 0.2 FEET AT APPARENT INTERSECTION OF CHESAPEAKE LANE WITH GROTON DRIVE.
- 1086 FOUND LEAD AND BRASS TACK ON TOP OF CURB OF ADAMS AVENUE AT APPARENT C/L PROD OF CHESAPEAKE LANE PER OCS A/6-10, 654-674.
- 1091 FOUND GEAR SPIKE AND ALUMINUM WASHER STAMPED "CITY OF HB" PER CR 2017-3148, FLUSH, AT APPARENT PRC, C.L. CAPISTRANO LANE, APPROXIMATELY 510' SOUTHERLY OF BANNING AVENUE.

FOUND MONUMENT NOTES CONTINUED

- 1102 FOUND 2 1/2 INCH IRON PIPE WITH BRASS DISK STAMPED "OCFCD R/W" PER FC68, DOWN 2.5 FEET. MONUMENT COMPUTES TO BE N47°E 0.08' FROM B.C. OF BEST FIT OF RIGHT OF WAY TO FIVE FC68 MONUMENTS STILL IN EXISTENCE IN THE REACH DESCRIBED IN O.R. 7857/861.
- 1104 FOUND 2 1/2 INCH IRON PIPE WITH BRASS DISK STAMPED "OCFCD R/W", PER FC68, DOWN 1 FOOT. COMPUTES TO BE N55°E 0.03' FROM BC NORTHERLY R/W LINE.
- 1106 FOUND 2 1/2 INCH IRON PIPE WITH BRASS DISK STAMPED "OCFCD R/W", PER FC68, DOWN 0.5 FEET. MONUMENT WAS HELD FOR WEST END OF NORTHERLY R/W LINE.
- 1107 FOUND 2 1/2 INCH IRON PIPE WITH BRASS TACK AND TAG STAMPED "LS 2477", PER FC68, DOWN 0.5 FEET. COMPUTES TO BE S70°E 0.19' FROM WESTERLY END OF SOUTHERLY R/W LINE.
- 1108 FOUND 2 1/2 INCH IRON PIPE WITH BRASS TACK AND TAG STAMPED "LS 2477", PER FC68, DOWN 0.5 FEET. ACCEPTED AS A GOOD FAITH REPRESENTATION OF THE R/W B.C. MONUMENT COMPUTES TO BE S03°15'W, 0.03' FROM SOUTHERLY R/W B.C.
- 1111 FOUND 2 1/2 INCH IRON PIPE WITH BRASS DISK STAMPED "OCFCD R/W", PER FC68, DOWN 0.5 FEET. MONUMENT HELD FOR LINE, NORTH-SOUTH, AND FALLS S00°16'27"W 0.23' FROM THE PROPERTY CORNER. SEE DESCRIPTION FOR MONUMENT #1112 FOR MORE DETAILS ON THIS LINE. FC68 INDICATES THIS MONUMENT SHOULD BE 72.81' EAST OF MONUMENT #1798. THE CURRENT SURVEY MEASURES 72.82' FOR THAT M2M DISTANCE.
- 1112 FOUND 2 1/2 INCH IRON PIPE WITH BRASS DISK STAMPED "OCFCD R/W" PER FC68, DOWN 0.5 FEET. THIS MONUMENT WAS SET BY FC68 TO BE A POINT OF INTERSECTION OF THE NORTHEASTERLY 62' R/W SIDELINE LINE WITH A LINE RUNNING NORTH, PARALLEL AND 1759.00' WESTERLY OF THE C.L. OF NEWLAND STREET, AS NEWLAND STREET EXISTED IN 1965. THE PRECISE LOCATION OF THAT C.L. CANNOT BE RELIABLY DETERMINED FOLLOWING THE CONSTRUCTION ACTIVITIES OF THE LAST 54 YEARS. WE HAVE ACCEPTED THIS 52 YEAR OLD MONUMENT AND ANOTHER OF THE SAME RECORD AND TIME 336 FEET NORTHERLY, #1111, AS REPRESENTING THAT OCFCD LINE, AS MONUMENTED BY FC68. AS SUCH, THE MONUMENT COMPUTES TO BE N0°16'27"E 0.46' FROM THE INTERSECTION WITH THE NORTHEASTERLY R/W LINE. MONUMENT IS ALSO N70°24'31E 0.16' PERPENDICULAR TO THE RIGHT OF WAY LINE RUNNING SOUTHEASTERLY.
- 1115 FOUND 2 1/2 INCH IRON PIPE WITH BRASS DISK STAMPED "OCFCD R/W" PER FC68, DOWN 1 FOOT. MONUMENT COMPUTES TO BE N63°39'E 0.56' FROM E.C. OF BEST FIT OF RIGHT OF WAY TO FIVE FC68 MONUMENTS STILL IN EXISTENCE IN THE REACH DESCRIBED IN O.R. 7857/861. THIS MONUMENT EXCEEDS THE NORMAL SURVEY ERROR WE SEE FROM THE FC68 SURVEY, SO WE ASSUME THAT AT SOME POINT IN TIME, IT HAS BEEN SOMEHOW MOVED.
- 1116 FOUND 2 1/2 INCH IRON PIPE WITH BRASS DISK STAMPED "OCFCD R/W" PER FC68, DOWN 1 FOOT. MONUMENT COMPUTES TO BE S80°W 0.05' FROM B.C. OF BEST FIT OF RIGHT OF WAY TO FIVE FC68 MONUMENTS STILL IN EXISTENCE IN THE REACH DESCRIBED IN O.R. 7857/861.
- 1117 FOUND 2 1/2 INCH IRON PIPE WITH BRASS DISK STAMPED "OCFCD R/W" PER FC68, DOWN 0.5 FEET. MONUMENT COMPUTES TO BE N66°E 0.02' FROM E.C. OF BEST FIT OF RIGHT OF WAY TO FIVE FC68 MONUMENTS STILL IN EXISTENCE IN THE REACH DESCRIBED IN O.R. 7857/861.
- 1126 FOUND LEAD AND BRASS TACK WITH 1 1/4 INCH TAG STAMPED "ORANGE COUNTY SURVEYOR" DOWN 0.5 FEET ON TOP OF WALL FOOTING PER R124 & OCS A/6-10, 654-674. HELD FOR NORTH SOUTH POSITION OF FIVE FOOT R/W JOG. MONUMENT COMPUTES TO BE N89°41'57"W 0.08' FROM CORNER.
- 1127 FOUND LEAD AND BRASS TACK WITH 1 1/4 INCH TAG STAMPED "ORANGE COUNTY SURVEYOR" DOWN 0.5 FEET ON TOP OF WALL FOOTING PER R124 & OCS A/6-10, 654-674. HELD FOR NORTH SOUTH POSITION OF FIVE FOOT R/W JOG. MONUMENT COMPUTES TO N89°41'57"W 0.12' FROM CORNER.
- 1330 FOUND MAG NAIL AND BRASS WASHER STAMPED "CITY H.B." PER CR 2018-2495, FLUSH. SAID CR INDICATES THIS MONUMENT WAS "ACCEPTED AS POSITION OF O.C.S. G.P.S. 1330". COMPUTES TO BE 0.03' SOUTH OF C.L. INDIANAPOLIS AVE. AND ON C.L. D01, BOTH NORTH AND SOUTH.
- 1501 FOUND A PK NAIL AND WASHER, "LS 7707", ACCEPTED AS S&W "LS 7707" PER CR 2006-0726, FLUSH AT THE APPARENT C.L. INTERSECTION OF KANE0HE LANE WITH BERMUDA DRIVE.
- 1503 FOUND A PK NAIL AND WASHER, "LS 7707", ACCEPTED AS S&W "LS 7707" PER CR 2007-0862, FLUSH AT THE APPARENT C.L INTERSECTION OF KANE0HE LANE WITH MAHALO DRIVE.
- 1505 FOUND A BOAT SPIKE, NO WASHER, ACCEPTED AS "BENT SPIKE" PER CR 2006-0724, DOWN 0.1 FEET.
- 1506 FOUND A PK NAIL AND WASHER, "LS 7707", ACCEPTED AS S&W "LS 7707" PER CR 2007-0841, FLUSH AT APPARENT C.L. INTERSECTIONS OF KANE0HE LANE WITH RHODESIA DRIVE.
- 1509 FOUND A MAG NAIL AND WASHER, "LS 7707", ACCEPTED AS S&W "LS 7707" PER CR 2007-0859, FLUSH AT THE APPARENT B.C C.L. KANE0HE LANE, ABOUT 35' SOUTH OF C.L. HAITI DRIVE.
- 1514 FOUND A MAG NAIL AND WASHER, "LS 7707", ACCEPTED AS S&W "LS 7707" PER CR 2007-0847, FLUSH AT THE APPARENT C.L INTERSECTION OF IMPALA LANE WITH MOKIHANA DRIVE.
- 1516 FOUND A MAG NAIL AND WASHER, "LS 7707", ACCEPTED AS S&W "LS 7707" PER CR 2007-0849, FLUSH AT THE APPARENT B.C. C.L IMPALA LANE, ABOUT 849' NORTH OF C.L. MOKIHANA DRIVE.
- 1519 FOUND A MAG NAIL AND WASHER, "LS 7707", ACCEPTED AS S&W "LS 7707" PER CR 2007-0846, FLUSH AT THE APPARENT C.L INTERSECTION OF IMPALA LANE WITH HUDSON DRIVE.
- 1520 FOUND SPIKE, NO WASHER, NO RECORD REFERENCE, DOWN 0.2'. MONUMENT IS ON C.L. ATLANTA AVENUE, AND 0.36' EAST OF THE WESTERLY R/W D01.
- 1521 FOUND A MAG SPIKE AND BRASS WASHER, STAMPED "CITY OF HB", FLUSH PER CR 2019-0977. FITS PROPORTIONING FOR C.L. OCFCD D02 SOUTHERLY FROM ATLANTA AVENUE, PER O.R. 4129/234. ALSO FITS FOR C.L. D02 NORTHERLY OF ATLANTA PER O.R. 5640-716. MONUMENT COMPUTES TO BE 0.03' NORTH OF C.L. ATLANTA AVENUE AS NOW MONUMENTED. HELD FOR C.L. CHANNEL D02 BOTH NORTH AND SOUTH FROM C.L. ATLANTA AVENUE.
- 1531 FOUND A 1 1/2 INCH IRON PIPE WITH PLASTIC PLUG, "LS 4693", DOWN 1.0 FEET, NOT OF RECORD, BUT ASSUMED TO HAVE BEEN SET BY T13656 BY GARY DOKICH, LS. 4693, RE-MONUMENTING A PRC ON THE EASTERLY RIGHT OF WAY LINE OF D02. T13656, INDICATES FINDING A MONUMENT PER FC61 "S86°46'39"E 0.39' FROM THE TRUE CORNER". FOUND MONUMENT COMPUTES TO BE S71°W 0.13' FROM PRC IN THE EASTERLY R/W D02.

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RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

FOUND MONUMENT NOTES CONTINUED

- 1532 FOUND A 1 1/2 INCH IRON PIPE WITH PLASTIC PLUG, "LS 4693", DOWN 1.0 FEET, NOT OF RECORD, BUT ASSUMED TO HAVE BEEN SET BY T13656 BY GARY DOKICH, LS. 4693, RE-MONUMENTING AN E.C. ON THE EASTERLY RIGHT OF WAY LINE OF D02. T13656, INDICATES FINDING A MONUMENT PER FC61 "S89°51'08"E 0.38' FROM THE TRUE CORNER". THE CURRENT FOUND MONUMENT COMPUTES TO BE S56°W 0.17' FROM THE E.C. EASTERLY R/W D02.
- 1536 FOUND A 2 1/2 INCH IRON PIPE WITH ILLEGIBLE TAG, DOWN 2.5 FEET. ACCEPTED AS MONUMENT SET FOR E.C. AT STATION 108+37.16 PER FC61. MONUMENT IS N69°E 0.37' FROM E.C. WESTERLY R/W D02.
- 1567 FOUND A PUNCHED SPIKE AND WASHER, "LS 4693", PER T13656, DOWN 0.05 FEET, AT THE APPARENT C.L INTERSECTION OF HILLSDALE LANE WITH SHADWELL DRIVE.
- 1568 FOUND A PUNCHED SPIKE AND WASHER, "LS 4693", PER T13656, DOWN 0.05 FEET, AT THE APPARENT C.L INTERSECTION OF HILLSDALE LANE WITH DARROW DRIVE.
- 1569 FOUND A PUNCHED SPIKE AND WASHER, "LS 4693", PER T13656, DOWN 0.05 FEET, AT THE APPARENT C.L INTERSECTION OF HILLSDALE LANE WITH POWER DRIVE.
- 1572 FOUND A PUNCHED SPIKE AND WASHER, "LS 3419", PER T12897, FLUSH, AT THE APPARENT C.L. INTERSECTION OF BELCARO DRIVE WITH MARINO LANE.
- 1573 FOUND A PUNCHED SPIKE AND WASHER, "LS 3419", PER T12897, FLUSH PER T12897, FLUSH, AT THE APPARENT C.L. INTERSECTION OF SANTIAGO DRIVE WITH MARINO LANE.
- 1578 FOUND 1 1/2 INCH IRON PIPE WITH CONCRETE, NO TAG, NO REFERENCE, DOWN 2 FEET. T7010 SHOWS "SET 2" I.P. TAGGED "LS 2921", 18 INCHES DEEP" 496.64' SOUTH OF C.L. INDIANAPOLIS – WE FIND THIS MONUMENT TO BE 496.20' SOUTH OF C.L. INDIANAPOLIS AND 0.28' EAST OF EASTERLY R/W LINE, D02, SO IF IT IS THE T7010 MONUMENT IT WAS SET POORLY, OR HAS BEEN MOVED. NOT ACCEPTED.
- 1579 THE RECORD POSITION WHICH REPRESENTED THE N.W. CORNER T4114, THE N.E. CORNER OF T4649, AND AN ANGLE POINT IN THE EAST LINE OF D01, FALLS UNDER AN EXTENDED SIDELINE WALL FROM THE EAST. WE CAN ONLY ASSUME THE 1961 ERA MONUMENT HAS BEEN DESTROYED. WE DO HAVE INFORMATION FROM OC02, AN OCS 2002 MONUMENTATION PRESERVATION SURVEY [OCS A/6–11, 75–80] WHICH FINDS AND POSITIONS THE ORIGINAL MONUMENT SET BY T4114. THE COORDINATE SYSTEM USED IN 2002 WAS NOT THE SAME ADJUSTMENT AS TODAY, BUT THE RELATIONSHIP OF MONUMENTS STILL IN THE GROUND SHOULD STILL BE GOOD. WE HAVE POSITIONED THIS POINT BY APPLYING THE DIFFERENCE BETWEEN THE 2002 AND OUR CURRENT COORDINATES AT COMMON MONUMENT POINT #1040 TO THE 2002 COORDINATE FOR THIS MONUMENT, TO SHIFT IT TO TODAY'S DATUM. WE HAVE HELD THIS POSITION AS THE MOST RELIABLE POSITION FOR THE EAST–WEST LOCATION OF THE NORTHWEST CORNER T4114, THE NORTHEAST CORNER OF T4649 AND THE NORTHEAST CORNER OF LOT "A" OF SAID T4649 AS WELL AS THE SOUTHEAST CORNER OF OCFCD PARCEL 304, AS DESCRIBED IN O.R. 8647/611. THIS MONUMENT IS ALSO SHOWN ON FC68 (D01/245) AS A CONTROLLING MONUMENT OF THAT SURVEY. THIS POSITION COMPUTES TO BE 0.04' NORTH OF THE NORTH LINE OF THE S1/2, S1/2, NW 1/4, SECTION 12, T6S, R11W, MM 51/14.
- 1586 FOUND A STEEL SPIKE SHANK. THE TOP OF THE SPIKE IS BROKEN OFF, DOWN 0.2 FEET. NO TAG OR TIN. MONUMENT IS AT THE APPARENT CUL–DE–SAC RADIUS POINT OF SNUG HARBOR CIRCLE. WE FIND NO RECORD REFERENCE FOR THIS MONUMENT LATER THAN THE ORIGINAL 1968 TRACT IN THIS AREA, T6283.
- 1587 FOUND A STEEL SPIKE SHANK. THE TOP OF THE SPIKE IS BROKEN OFF. DOWN 0.2 FEET. NO TAG OR TIN. MONUMENT IS AT THE APPARENT C.L. INTERSECTION OF SNUG HARBOR CIRCLE WITH HALF LEAGUE DRIVE. WE FIND NO RECORD REFERENCE FOR THIS MONUMENT LATER THAN THE ORIGINAL 1968 TRACT IN THIS AREA, T6283.
- 1588 FOUND MAG NAIL AND 2 INCH BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395", PER CR 2019–1809, FLUSH, AT THE APPARENT CUL–DE–SAC RADIUS POINT OF SKI HARBOR DRIVE.
- 1589 FOUND MAG NAIL AND 2 INCH BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395", PER CR 2019–1807, FLUSH, AT THE APPARENT CUL–DE–SAC RADIUS POINT OF FIVE HARBORS DRIVE.
- 1590 FOUND MAG SPIKE AND 2 INCH BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395", PER CR 2019–1801, FLUSH, AT THE APPARENT EASTERLY END OF THE C.L. CARROLLTOWN DRIVE.
- 1591 FOUND MAG SPIKE AND 2 INCH BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395", PER CR 2019–1801, FLUSH, AT THE APPARENT CUL–DE–SAC RADIUS POINT OF CARROLLTOWN DRIVE.
- 1592 FOUND MAG SPIKE AND 2 INCH BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395" PER CR 2019–1796, FLUSH, AT THE APPARENT CUL–DE–SAC RADIUS POINT OF SPENCER CIRCLE.
- 1593 FOUND MAG SPIKE AND 2 INCH BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395", PER CR 2019–1794, FLUSH, AT THE APPARENT CUL–DE–SAC RADIUS POINT OF ALBANY CIRCLE.
- 1595 FOUND MAG NAIL AND 2 INCH BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395", PER CR 2019–1786, FLUSH AT APPARENT WESTERLY C.L. INTERSECTION OF COLBREGGAN DRIVE MINERVA LANE.
- 1596 FOUND GEAR SPIKE AND 1 1/4 INCH BRASS WASHER STAMPED "BRUCE HALL LS 4743", PER CR 2019–1786, DOWN 0.1 FEET, AT APPARENT EASTERLY C.L. INTERSECTION OF COLBREGGAN DRIVE MINERVA LANE.
- 1597 FOUND A MAG NAIL AND 1 1/4 INCH BRASS WASHER STAMPED "BRUCE HALL LS 4743" DOWN 0.1 FEET, PER CR 2018–0737 & CR 2019–1785 AT THE APPARENT NORTHERLY END OF THE C.L. MINERVA LANE.
- 1599 FOUND MAG NAIL AND 2 INCH BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395" FLUSH, PER CR 2019–1787 ON APPARENT C.L. MINERVA LANE ABOUT 116' SOUTH OF C.L. COLBREGGAN DRIVE.
- 1600 FOUND A RAILROAD SPIKE, PER T6954, DOWN 0.05 FEET, AT THE APPARENT C.L. INTERSECTION OF CHARWOOD LANE WITH FIRESIDE DRIVE.
- 1601 FOUND A RAILROAD SPIKE, PER T6954, DOWN 0.05 FEET, AT THE APPARENT C.L. INTERSECTION OF CHARWOOD LANE WITH WESTCLIFF DRIVE.
- 1602 FOUND A RAILROAD SPIKE WITH PUNCH, PER T6954, DOWN 0.05 FEET AT THE APPARENT C.L. INTERSECTION OF CHARWOOD LANE WITH COMSTOCK DRIVE.
- 1603 FOUND A RAILROAD SPIKE WITH PUNCH, PER T7266, DOWN 0.05 FEET ON THE APPARENT C.L. CHARWOOD LANE ABOUT 78 FEET NORTH OF C.L. COMSTOCK DRIVE.
- 1604 FOUND A RAILROAD SPIKE, PER T7266, DOWN 0.05 FEET AT THE APPARENT C.L. INTERSECTION OF CHARWOOD LANE WITH WINTERWOOD CIRCLE.

FOUND MONUMENT NOTES CONTINUED

- 1605 FOUND A RAILROAD SPIKE, PER T7266, DOWN 0.05 FEET, AT THE APPARENT C.L. INTERSECTION OF CHARWOOD LANE WITH WOODCREST DRIVE.
- 1606 FOUND A RAILROAD SPIKE WITH PUNCH, PER CR 2018–0756, DOWN 0.05 FEET AT THE APPARENT C.L. INTERSECTION OF SUNRIDGE DRIVE WITH CHARWOOD LANE.
- 1611 FOUND 2 INCH IRON PIPE WITH BRASS NAIL AND 3/4 INCH TAG STAMPED "LS 6970", PER CR 2007–1794, FLUSH. MONUMENT COMPUTES TO BE 0.17' SOUTH OF C.L. ADAMS AVENUE, AND 0.04' EAST OF THE WEST R/W LINE D02.
- 1612 FOUND 1 1/2 INCH IRON PIPE, NO TAG, NO REFERENCE, DOWN 0.5 FEET. MONUMENT IS ON THE WEST R/W LINE D02 1024.95' SOUTH OF C.L. ADAMS AVENUE.
- 1613 FOUND 1 1/2 INCH IRON PIPE, NO TAG, NO RECORD REFERENCE, DOWN 1.3 FOOT. MONUMENT IS 60.14' SOUTH OF C.L. ADAMS AVENUE AND 0.12' WEST OF THE WEST R/W LINE D02.
- 1614 FOUND 2 INCH IRON PIPE WITH BRASS NAIL AND 3/4 INCH TAG STAMPED "LS 6970", PER CR 2007–1794, FLUSH. MONUMENT IS 0.08' SOUTH OF C.L. ADAMS AVENUE AND ON THE APPARENT EXTENDED C.L. OF HARBOR ISLE LANE.
- 1615 FOUND A RAILROAD SPIKE, PER T4284, DOWN 0.2 FEET AT APPARENT C.L. INTERSECTION OF HARBOR ISLE DRIVE WITH MEDITERRANEAN DRIVE.
- 1616 FOUND A RAILROAD SPIKE, PER T4284, DOWN 0.1 FEET ON THE APPARENT C.L. HARBOR ISLE LANE ABOUT 135' SOUTH OF C.L. MEDITERRANEAN DRIVE.
- 1619 FOUND 2 INCH IRON PIPE WITH BRASS NAIL AND 3/4 INCH TAG STAMPED "LS 6970", PER CR 2007–1793, FLUSH. MONUMENT IS ON APPARENT CENTERLINE EXTENSION OF MARINA LANE, AND IS 0.07' SOUTH OF THE C.L. ADAMS AVENUE AS CURRENTLY MONUMENTED.
- 1620 FOUND A MAG NAIL AND WASHER, "LS 6970", PER CR 2007–2150, FLUSH, AT THE APPARENT C.L. INTERSECTION OF NAUTILUS DRIVE WITH MARINA LANE.
- 1623 FOUND A RAILROAD SPIKE, PER DOC 007111, CITY OF HUNTINGTON BEACH TRACT TIES, DOWN 0.25 FEET AT THE APPARENT C.L. INTERSECTION OF RAMONA LANE WITH HAZELBROOK DRIVE.
- 1625 FOUND A MAG NAIL AND WASHER, "LS 6970", PER CR 2007–2133, FLUSH AT THE APPARENT CUL–DE–SAC RADIUS POINT OF MOONCREST CIRCLE.
- 1626 FOUND A MAG NAIL AND WASHER, "LS 6970", PER CR 2007–2134, FLUSH AT THE APPARENT C.L. INTERSECTION OF MOONCREST CIRCLE WITH CLOUDHAVEN DRIVE.
- 1629 FOUND A RAILROAD SPIKE WITH CHISELED "+", PER T5603, FLUSH AT THE APPARENT C.L. INTERSECTION OF HARBOR ISLE LANE WITH GUSS DRIVE.
- 1630 FOUND A MAG NAIL AND WASHER, "LS 6970", PER CR 2007–2142, FLUSH AT THE APPARENT CUL–DE–SAC RADIUS POINT OF SCOUGALL CIRCLE.
- 1631 FOUND A RAILROAD SPIKE, DOWN 0.2 FEET, PER CR 2007–1596 AT THE APPARENT CUL–DE–SAC RADIUS POINT OF PADDOCK CIRCLE.
- 1632 FOUND A MAG NAIL AND WASHER, "LS 6970", PER CR 2007–2147, FLUSH, AT THE APPARENT C.L INTERSECTION OF BROWNING DRIVE WITH HARBOR ISLE LANE.
- 1633 FOUND A MAG NAIL AND WASHER, "LS 6970", PER CR 2007–2147, FLUSH, ON THE APPARENT C.L. HARBOR ISLE LANE ABOUT 126 FEET SOUTH OF C.L. BROWNING DRIVE.
- 1634 FOUND A GEAR SPIKE AND WASHER, "LS 6970" PER CR 2007–2148, FLUSH AT THE APPARENT C.L. INTERSECTION OF STRATHCONA DRIVE WITH HARBOR ISLE LANE.
- 1637 FOUND A MAG NAIL WITH A 2 INCH BRASS WASHER STAMPED "CITY OF HB" FLUSH, PER CR 2015–2534. FITS PROPORTIONING ALONG C.L. INDIANAPOLIS AVENUE BETWEEN MAGNOLIA & BUSHARD, AS CURRENTLY MONUMENTED, BASED ON O.R. 5435/027 RECORD DIMENSIONS WITHIN 0.03'. ACCEPTED AS A POINT ON THE C.L. TALBERT CHANNEL, D02, RUNNING BOTH NORTH AND SOUTH FROM INDIANAPOLIS AVENUE. MONUMENT COMPUTES TO BE 0.03' SOUTH OF THE C.L. OF INDIANAPOLIS AS CURRENTLY MONUMENTED.
- 1638 FOUND A GEAR SPIKE AND WASHER, "LS 6970", CR 2007–2151, FLUSH AT THE APPARENT B.C. OF A 15' RADIUS C.L. CURVE CONNECTING C.L. MARINA LANE WITH C.L. ADAMS AVENUE SOUTHERLY SERVICE ROAD. NOTE – WE FIND NO RECORD MAPS WHICH INDICATE SHOWING THIS C.L. CURVE OR SETTING THIS MONUMENT ORIGINALLY. WE FIND CITY OF HUNTINGTON BEACH DOCUMENT #006047 DATED 6–11–96 INDICATING THEY "SET P.K." BY A DISTANCE OF 802.64' FROM THE P.I. OF MARINA @ NAUTILUS [POINT #1620 OF THE CURRENT SURVEY] PER TRACT IMPROVEMENT PLAN FOR TRACT 4496, SHT 4 OF 6. CR 2007–1603A INDICATES FINDING THAT PK NAIL ALONG WITH THREE OF THE 1996 ORIGINAL CURB TIE POINTS IN MAY 2007. CR 2007–2151B, JUNE 2007, INDICATES SETTING THE MONUMENT NOW IN PLACE PER THE CR 2007–1603 TIES. OUR CURRENT SURVEY MATCHES THAT 1996 C.L. DISTANCE SHOWN ON THE H.B. CITY NOTES WITHIN 0.007'. HOWEVER, CALC'S FROM THE RECORDED TRACT, WOULD INDICATE THAT DISTANCE SHOULD PROBABLY HAVE BEEN 802.73'. ALSO, CALC'S FROM THAT TRACT, WOULD INDICATE THAT THIS B.C. SHOULD BE 92.115' SOUTHERLY FROM THE C.L. OF ADAMS. OUR CURRENT SURVEY FINDS THAT DISTANCE TO BE 92.27'. THESE TWO COMPUTATIONS WOULD INDICATE THAT THIS MONUMENT COULD BE FROM 0.09' TO 0.16', MORE OR LESS, SOUTHERLY OF THE LOGICAL LOCATION FOR THE C.L. B.C. REPRESENTED. OUR CURRENT SURVEY INTEREST IN THIS POINT IS STRICTLY AS A CHECK ON THE EAST–WEST LOCATION OF THE D02 CHANNEL, AND IT FITS PERFECTLY FOR THAT PURPOSE.
- 1660 FOUND 2 INCH I.P. "LS 6970" FLUSH, IN MEDIAN PER CR 2007–1793. MONUMENT COMPUTES TO BE ON C.L. ADAMS AVENUE AND 0.07' EAST OF THE EAST R/W LINE D02.
- 1704 FOUND LEAD, BRASS TACK AND 3/4" TAG STAMPED "OCS TIE", ON TOP OF WEST END OF CONCRETE WING WALL, PER R232. MONUMENT IS ON THE B.C. OF THE SOUTHWESTERLY R/W D02.
- 1705 FOUND 2 INCH IRON PIPE WITH BRASS TACK AND 3/4" TAG STAMPED "OCS TIE", IN LIEU OF 1 3/8" O.C.S. BRASS TAG, PER R232, FLUSH. MONUMENT IS ON THE B.C. OF THE NORTHEASTERLY R/W D02.

SHEET NOTE:

- SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
- SHEET 2 FOR STATEMENT OF PURPOSE, DATUM STATEMENT, BASIS OF BEARINGS, MONUMENT SYMBOLS, RECORD REFERENCES LIST AND REFERENCE ABBREVIATIONS USED.
- SHEETS 3–21 FOR 1"=100' SCALE MAP SHEETS
- SHEETS 22–27 FOR MONUMENT DESCRIPTIONS
- SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
- SHEETS 30 – 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS

RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

FOUND MONUMENT NOTES CONTINUED

- 1708 FOUND 2 INCH IRON PIPE WITH BRASS TACK AND 3/4" TAG STAMPED "OCS TIE", IN LIEU OF 2" I.P. WITH 1 3/8" OCS BRASS TAG SHOWN AS SET BY R232, FLUSH. HELD FOR JOG IN R/W WIDTHS. MONUMENT COMPUTES TO BE 0.04' SOUTHWEST RADIALLY FROM THE D02 R/W ANGLE POINT.
- 1709 FOUND 2X2 INCH WOOD HUB WITH CUP TACK UP 0.3 FEET, NO REFERENCE. TIED OUT AND SEARCHED BELOW HUB BUT FOUND NOTHING. REPLACED THE HUB. MONUMENT COMPUTES TO BE S80°W 0.03' FROM THE D02 R/W ANGLE POINT. THIS CORNER FALLS VERY CLOSE TO A BLOCK WALL PILASTER, MAKING THE SETTING OF ANYTHING NEW HERE DIFFICULT. THE COMPUTED LOCATION OF THIS R/W CORNER IS N 58°05'03"E 10.04' RADIALLY FROM POINT NUMBER 1708 ABOVE. ACCEPTED #1708 AS AN OFFSET MONUMENT TO THIS POINT. SET NOTHING NEW AT THIS CORNER,
- 1710 FOUND 2 1/2 INCH IRON PIPE WITH 1 1/4 INCH BRASS DISK STAMPED "OCFCD R/W" PER FC68, DOWN 0.8 FOOT. MONUMENT COMPUTES TO BE S78°48'W 1.19' FROM PRC IN SOUTHWESTERLY R/W LINE D01. MAY HAVE BEEN SET FOR A ONE FOOT OFFSET FOR SOME REASON, BUT THE RECORD FIELD NOTES, FC68, DO NOT INDICATE IT TO BE OFFSET. R232 DOES NOT INDICATE FINDING THIS 1968 MONUMENT, BUT INDICATES SETTING A NEW ONE – WE DO NOT FIND THE MONUMENT INDICATED TO BE SET AT THIS LOCATION BY R232 AND OCS A/6–11,120 IN 2008. SEE #4050 FOR NEW MONUMENTATION AT THIS LOCATION.
- 1714 FOUND LEAD AND BRASS TACK AND TAG STAMPED "LS 5183" ON TOP OF FENCE POST FOOTING PER CR 2018–2902, DOWN 0.8 FOOT, HELD LINE BETWEEN THIS MONUMENT AND MONUMENT #1716 ON C.L. BUSHARD STREET FOR SOUTH LINE OF THE NORTH 1/2, NW 1/4, FRACTIONAL SECTION 19, T6S, R10W, MM 51/14. ALSO, MONUMENT #1892, AT THE KNUCKLE OF LEILANI DRIVE AND MALIBU LANE, CHECKS AT 130.00' PERPENDICULAR TO THAT LINE SO HELD, MATCHING RECORD PER T3903 PERFECTLY. MONUMENT COMPUTES TO BE 0.21' SOUTHWESTERLY OF THE NORTHEASTERLY R/W LINE OF D02.
- 1716 FOUND MAG NAIL AND BRASS WASHER STAMPED "LS 5411" FLUSH, PER CR 2005–0841, SHOWN AS BEING RESET BY TIES FROM CR 2004–1810. SPIKE & WASHER AS SHOWN ON TRACT 5664, MM 424/31–34, WAS SHOWN AS BEING FOUND AND TIED OUT ON CR 2004–1810. HELD FOR POINT ON SOUTH LINE NORTH 1/2, NW 1/4, FRACTIONAL SECTION 19, T6S. R10W, MM 51/14, AS SHOWN ON T5664.
- 1717 FOUND A MAG SPIKE AND WASHER STAMPED "PLS 8395 SURVEY MONUMENT", FLUSH, PER CR 2019–1953.
- 1718 FOUND A MAG SPIKE AND WASHER STAMPED "PLS 8395 SURVEY MONUMENT", FLUSH, PER CR 2019–1951.
- 1719 FOUND A MAG SPIKE AND WASHER STAMPED "PLS 8395 SURVEY MONUMENT", FLUSH, PER CR 2019–1949.
- 1720 FOUND 2 1/2 INCH IRON PIPE WITH 1 1/4 INCH BRASS DISK STAMPED "OCFCD R/W" PER FC68, DOWN 1 FOOT. HELD FOR THE B.C. NORTHEASTERLY R/W LINE D01. T3903 INDICATES SETTING A 2" I.P. "LS 3039" AT THIS SAME LOCATION IN 1961, SEARCHED FOR SAME, NOT FOUND.
- 1721 FOUND A 2 1/2 INCH IRON PIPE WITH BRASS DISK, "OCFCD R/W", PER FC68 AND R232, DOWN 2.9 FEET. MONUMENT COMPUTES TO BE 0.18' NORTHEAST, RADIALLY, FROM THE B.C. OF THE SOUTHERLY R/W LINE D01.
- 1725 FOUND "SURVEY MARK" SPIKE AND BRASS WASHER STAMPED "ORANGE COUNTY SURVEYOR" FLUSH, PER R232. MONUMENT IS 0.04' SOUTH OF C.L. BANNING AVENUE AS BANNING IS CURRENTLY MONUMENTED. MONUMENT #1725 IS 0.02' FROM A PROPORTIONAL LOCATION BASED ON THE CREATING DEEDS. AS SUCH, WE HAVE HELD MONUMENT #1725 AS CONTROL FOR THE C.L. D02, BOTH NORTH AND SOUTH FROM BANNING.
- 1726 FOUND "SURVEY MARK" SPIKE AND 1 1/4 INCH WASHER STAMPED "ORANGE COUNTY SURVEYOR" FLUSH IN AC, PER R232, AT THE INTERSECTION OF THE WESTERLY R/W LINE D02 AND THE SOUTHERLY R/W LINE BANNING AVENUE.
- 1728 FOUND AN AXLE WITH BRASS CAP, "LS 485", PER R006, R029, T3903, R176, & R232, DOWN 0.2'. SET A CARSONITE WITNESS 1' NORTHERLY. THIS MONUMENT WAS APPARENTLY SET BY R006 IN 1935 TO MONUMENT AND REPRESENT THE COMMON LINE OF SECTION 24, T6S, R11W, AND SECTION 19, T6S, R10W, ALTHOUGH NEITHER OF THOSE SECTIONS ARE ACTUALLY SHOWN ON MM 51/14, OR ANY OTHER KNOWN ORIGINAL SECTIONAL SUBDIVISION.
- 1729 FOUND A 3 INCH IRON PIPE, TOP BROKEN OFF WITH NAIL IN CENTER, DOWN 1.1 FEET. PROBABLY THE REMAINS OF A 3" IRON PIPE TAGGED "LS 2210" AS SET BY R029 IN 1955 TO REPLACE A FOUND 2"x4" REDWOOD "LS 485" ORIGINALLY SET BY R005 IN 1934. DID NOT ACCEPT AS ANGLE POINT IN THE SOUTHWESTERLY LINE OF PARCEL D1–103.1, O.R. 5591/500 DUE TO ITS NON–FIT TO THE MORE RECENT MAPS IN THIS AREA. THIS MONUMENT IS N14°15'W 1.02' FROM THE ANGLE POINT AS DETERMINED BY THIS SURVEY. NOTE, THAT S04°31'E 0.81' FROM THIS 3" I.P., A 2" IRON PIPE WITH TAG "OCS TIE", [#2729], IN LIEU OF 2" I.P. WITH 1 3/8" OCS BRASS TAG SHOWN AS SET BY R232 AND OCS A/6–11/120, WAS ALSO FOUND. SEE DESCRIPTION #2729 AND #3729.
- 1730 FOUND A 2" IRON PIPE WITH TAG, "OCS TIE", PER OCS A/6–11/120, DOWN 0.8', AND PROBABLY PER R232, ALTHOUGH THE DESCRIPTION ON THAT LATTER MAP IS "NOT CLEAR". NOT ACCEPTED AS ANGLE POINT. MONUMENT IS S76°10'W, 1.74' FROM THE LOCATION OF THE ANGLE POINT DETERMINED BY THIS SURVEY BY GRANT BOUNDARY ADJUSTMENT OF RECORD DATA PER R232 BETWEEN MONUMENTS #1728 SOUTHEASTERLY AND THE WESTERLY CORNER OF SECTION 24, T6S, R11W, MM 51/14, NORTHWESTERLY [#3742]. SEARCHED AREA FOR RUSTED OFF 3" I.P. AS DESCRIBED ON R232, ON TWO OCCASIONS, NOTHING FOUND. REMOVED FOUND R232 MONUMENT AND SET MONUMENT (SEE DESCRIPTION #3730) AT CORNER.
- 1731 FOUND A GEAR SPIKE AND WASHER, "LS 5411" PER CR 2010–2430, FLUSH. HELD AS POINT ON C.L. MAGNOLIA. MONUMENT COMPUTES TO BE 0.03' NORTHEASTERLY OF THE SOUTHWESTERLY LINE OF PARCEL 103, D01, AS DESCRIBED IN PARCEL 103, O.R. 5591/500.
- 1733 FOUND A SPIKE SHANK, DOWN 0.1', ACCEPTED AS REMAINS OF EITHER THE GEAR SPIKE AND WASHER, "LS 5411" PER CR 2010–2441, OR THE PUNCHED SPK & W STAMPED O.C. SURVEYOR PER CR 2010–0896. PER THOSE TWO RECORDS THEY SHOULD BE IN THE SAME LOCATION. MONUMENT IS ON THE C.L. MAGNOLIA STREET AND COMPUTES TO BE 0.02' SOUTHWESTERLY OF THE NORTHEASTERLY R/W LINE D01.
- 1737 FOUND A 2 1/2" IRON PIPE WITH BRASS DISK, "OCFCD R/W", PER FC68 & R232, DOWN 0.2'. FALLS ON SOUTHWEST R/W LINE D01, 0.12' NORTHWEST OF THE COMPUTED B.C.
- 1739 FOUND A 3" IRON PIPE WITH BRASS DISK, "OCFCD R/W", PER R232 & FC68, DOWN 0.7'. HELD FOR E.C. NORTHEASTERLY R/W LINE D01.
- 1740 FOUND A 2 INCH IRON PIPE WITH TAG, "LS 5346", PER R232 & P226, DOWN 1.3 FEET. MONUMENT IS SHOWN BY BOTH REFERENCES TO BE ON THE COMMON LINE OF SECTIONS 13 & 24, T6S, R11W, MM 51/14, AND WAS HELD FOR CONTROL OF THAT LINE ON THIS SURVEY. ALSO, COMPUTES TO BE ON THE NORTHEASTERLY R/W LINE OF D01.

FOUND MONUMENT NOTES CONTINUED

- 1741 FOUND A 2 1/2 INCH IRON PIPE WITH BRASS DISK, "OCFCD R/W", PER FC68 & R232, DOWN 1.1'. MONUMENT IS ON NORTHEASTERLY R/W LINE D01, AND 0.22' NORTHWEST OF THE B.C.
- 1742 FOUND AN AXLE WITH BRASS CAP, "LS 485", PER R006, LEANING NORTH–WESTERLY, PLUMBED UP AND LOCATED CENTER, DOWN 1.0'. SET A CARSONITE WITNESS 1' NORTHERLY. AFTER EVALUATION OF THIS AREA AND OTHER RELATED MONUMENTATION WE FIND THE POSITION FOR THIS MONUMENT, EVEN THOUGH PLUMBED ABOVE THE BOTTOM OF THE PIPE, IS APPROXIMATELY S84°59'W 1.52' FROM THE WEST END OF THE NORTH LINE OF SECTION 24, T6S, R11W, MM 51/14. DID NOT ACCEPT THIS MONUMENT AS LEGITIMATE BOUNDARY CONTROL. SEE #3742 FOR COMPUTED CORNER LOCATION.
- 1743 FOUND A 3 INCH IRON PIPE, TOP BROKEN OFF WITH MAG NAIL IN CENTER, DOWN 1.1 FEET. HOWEVER, AFTER INVESTIGATION OF RELATIONSHIP TO OTHER MONUMENTATION IN THE AREA, IT WAS DISCOVERED THAT THIS PIPE IS ABOUT 0.7' NORTH OF WHERE IT WAS FOUND BY R232 AND OTHERS. IT WAS ALSO FOUND DOWN 1.1' WHEN R232 REPORTED IT TO BE "AT GROUND LEVEL". WE SUSPECT THIS PIPE IS THE "DISTURBED REMAINS" OF THE MONUMENT SHOWN ON R232, BUT CANNOT BE ACCEPTED AS CONTROL DUE TO IT HAVING BEEN MOVED. SET AN ORANGE FIBERGLASS CARSONITE WITNESS 1' NORTHERLY.
- 1744 FOUND A 2 INCH IRON PIPE WITH A 2 1/2 INCH BRASS SOUTHERN CALIFORNIA EDISON CO. CAP, PER R074 & R232, DOWN 2.0 FEET.
- 1748 FOUND A MAG SPIKE AND 2 INCH BRASS WASHER, "PLS 8395 SURVEY MONUMENT", FLUSH, PER CR 2019–1947.
- 1749 FOUND "PUNCHED SPIKE & TIN DOWN 0.3 FEET, PER T3903 AT THE APPARENT C.L. INTERSECTION OF CHRISTINE DRIVE WITH HULA CIRCLE.
- 1751 FOUND A 4" X 4" WOOD POST WITH TAG, "LS 2376", PER R232 & R074, UP 0.7'. THIS MONUMENT LOOKS GOOD, BUT HAS A GUY ANCHOR VERY CLOSE ON ONE SIDE, AND SMALL TREES WITHIN A FOOT ON THE NORTH AND SOUTH SIDES. MONUMENT COMPUTES TO BE S 73°53'57" W, 0.11' RADIALLY FROM THE SOUTHWESTERLY R/W CURVE D01. ACCEPTED AS POINT ON THE EAST LINE, W 1/2, SE 1/4, SECTION 13, T6S, R11W. MM 51/14.
- 1752 FOUND A 2 1/2 INCH IRON PIPE WITH BRASS TAG, "OCFCD R/W" PER FC68 & FC89, DOWN 1.5 FEET'. HELD, ALONG WITH #1753 ON THE WESTERLY R/W LINE, AS THE PRC.MONUMENT COMPUTES TO BE 0.03' EASTERLY.
- 1753 FOUND A 2 INCH IRON PIPE WITH TAG, "LS 2210", PER FC68, FC89, & R232, DOWN 0.9 FEET. HAS A PADDLE BOARD WITNESS 1' WESTERLY. HELD MONUMENT, ALONG WITH #1752 ON THE EASTERLY R/W LINE, AS THE PRC. MONUMENT COMPUTES TO BE 0.03' WESTERLY.
- 1754 FOUND A 2 INCH IRON PIPE FLUSH, WITH TAG, "OCS TIE", IN LIEU OF 2" I.P. & 1 3/8' OCS BRASS TAG PER R232. MONUMENT IS 0.05' EAST OF 1/16 TH LINE, 0.14' SOUTHWEST OF THE CURVED P.L. AND 0.42' SOUTH OF THE COMPUTED CORNER.
- 1755 FOUND 2 INCH IRON PIPE WITH BRASS TACK AND 3/4 INCH BRASS TAG STAMPED "OCS TIE" DOWN 0.3 FOOT, IN LIEU OF 2" I.P. & 1 3/8' OCS BRASS TAG PER R232. FITS ON P.L. RUNNING BOTH WESTERLY, AND SOUTHERLY.
- 1756 FOUND A 2 INCH IRON PIPE DOWN 0,10 FOOT WITH TAG, "OCS TIE", IN LIEU OF 2" I.P. & 1 3/8' OCS BRASS TAG PER R232. MONUMENT COMPUTES TO BE ON THE EAST–WEST PROPERTY LINE, AND 0.21' WEST OF THE COMPUTED CORNER.
- 1757 FOUND A 2 INCH IRON PIPE WITH TAG, "OCS TIE", IN LIEU OF 2" I.P. & 1 3/8' OCS BRASS TAG PER R232, DOWN 0.1 FEET. MONUMENT WAS HELD AS POINT ON THE NORTH R/W LINE OF D01. MONUMENT COMPUTES TO BE 0.22' WESTERLY OF THE R/W E.C.
- 1758 FOUND LEAD AND BRASS TACK AND 3/4" TAG STAMPED "OCS TIE" ON TOP OF CURB, IN LIEU OF 2" I.P. & 1 3/8' OCS BRASS TAG PER R232. MONUMENT COMPUTES TO BE 0.04' SOUTH OF THE SOUTHERLY R/W LINE D01 AND 0.32' WESTERLY OF THE R/W E.C.
- 1761 FOUND 1 1/2 INCH IRON PIPE WITH BRASS TACK AND TAG STAMPED "RCE 18473" PER R232, DOWN 1 FOOT. MONUMENT IS 0.12' NORTH OF THE SOUTHERLY R/W LINE D01. (R232 INDICATES THIS MONUMENT TO BE 0.19' NORTH OF P.L.)
- 1762 FOUND 2 INCH IRON PIPE WITH BRASS TACK AND TAG STAMPED "LS 3039", PER PMB 48/41 AND R232, DOWN 2 FEET. ACCEPTED AS CONTROLLING MONUMENTATION FOR THE NORTH LINE OF CHANNEL R/W EASTERLY FROM C.L. NEWLAND STREET.
- 1763 FOUND GEAR SPIKE AND BRASS WASHER STAMPED "PLS 6965" FLUSH, NO RECORD REFERENCE. CR 2008–2394, BY LS 6965, INDICATES FINDING A S&W "LS 5346" IN 2008 AT THIS LOCATION AND TYING IT OUT WITH TEMPORARY TIES, NOTING "PERMANENT TIES TO BE SET ONCE CONSTRUCTION IS COMPLETE". WE ACCEPT THE CURRENT MONUMENT AS THE PERPETUATION OF THE S&W "LS 5346" AS FOUND ON FC89 AND R232.
- 1772 FOUND A 3 3/4 INCH PUNCHED ALUMINUM DISK STAMPED "CALIFORNIA DEPT OF TRANSPORTATION" IN A MONUMENT WELL, PER R232, DOWN 0.9 FEET, SHOWN ON SAID MAP AS BEING THE INTERSECTION OF THE C.L. BROOKHURST STREET WITH THE PACIFIC COAST HIGHWAY "LAYOUT CENTERLINE".
- 1775 FOUND MAG NAIL AND BRASS WASHER STAMPED "LS 5411" FLUSH, PER CR 2005–0839. SAID CR INDICATES MONUMENT SET BY TIES FROM CR 2004–1808. CR 2004–1808 INDICATES FINDING AND TYING RECORD E.C. MONUMENT, A SPIKE & WASHER "RCE 14814" PER T5664. ACCEPTED AS POINT ON C.L. BUSHARD. MONUMENT IS S 0°17'21"W 0.27' FROM COMPUTED E.C.
- 1776 FOUND A GEAR SPIKE AND WASHER, "LS 5411", PER CR 2010–2439, FLUSH. HELD FOR POINT ON CENTERLINE OF MAGNOLIA STREET AT B.C. OF CURVE NORTHEASTERLY.
- 1777 FOUND GEAR SPIKE AND BRASS WASHER STAMPED "PLS 6965" FLUSH, NO REFERENCE. APPEARS TO BE THE POST CONSTRUCTION REPLACEMENT OF MONUMENT FOUND AND SHOWN AS E.C. ON PRE–CONSTRUCTION CR 2008–2393 BY "PLS 6965". ACCEPTED AS A POINT ON THE C.L. NEWLAND STREET AND AS POINT ON THE WEST LINE S.E. 1/4, SECTION 13, T6S, R11W, MM 51/14.

SHEET NOTE:

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- SHEETS 30 – 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS

RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

FOUND MONUMENT NOTES CONTINUED

- 1783 FOUND 3/4 INCH IRON PIPE WITH BRASS TACK AND 3/4 INCH TAG STAMPED "RCE 11854" DOWN 1.5 FOOT. R54 SAYS HE FINDS A PIPE TAGGED R.E. 1854, BUT R060, FINDS THE RIGHT NUMBER, R.C.E. 11854, THOUGH R060 INDICATES HE REMOVED THAT PIPE AND SET A 4"x4" WITH TAG "LS 2376" ALONG WITH S.C.E. MONS ON P.L. STAMPED "LS 2376" 5' SOUTHERLY AND 5' EASTERLY. FOUND REMAINS OF A 3X3 WOOD POST SOUTH ALONG THE CHANNEL 0.25' FROM THE FOUND PIPE. THE TOP OF THE POST IS JAGGED AND BROKEN. NO TAG. THE FOUND IRON PIPE IS 0.14' NORTHEASTERLY OF THE NORTHEASTERLY R/W LINE D01. SEARCHED FOR AND DID NOT FIND THE 5' REFERENCE MONUMENTS TO THE SOUTH AND EAST AS SHOWN ON R060 AND R091.
- 1784 FOUND A 2 INCH IRON PIPE DOWN 2.0' WITH A WOOD PLUG, PER CR 2010-2436. MONUMENT NOW HAS A MAG NAIL IN THE WOOD PLUG. MONUMENT COMPUTES TO BE 0.04' EAST OF SECTION LINE, AND COMPUTES TO BE 0.11' SOUTH OF THE END OF CURVE, THE CURVE BEING COMPUTED TO FIT THE SECTION LINE, THE MONUMENTS AT D01 BRIDGE, AND 5006.
- 1787 FOUND 2 INCH IRON PIPE WITH BRASS TACK AND TAG STAMPED "PLS 7914", PER P371, FLUSH, 0.08' EAST OF WESTERLY LINE OF D01 R/W.
- 1798 FOUND A 2 1/2 INCH IRON PIPE WITH BRASS DISK STAMPED "OCFCD R/W" PER FC68, DOWN 0.5 FOOT. THE POSITION OF THIS MONUMENT, TOGETHER WITH THAT OF MONUMENT #1937, WAS USED TO COMPUTE THE RIGHT OF WAY CURVE RUNNING NORTHWESTERLY FROM THIS LOCATION. SINCE THIS MONUMENT WAS SLIGHTLY SOUTH OF THE NORTH LINE OF THE SOUTH 1/2, NW 1/4, SECTION 13/6/11, THE CURVE SO COMPUTED WAS TRIMMED AT THAT LINE, MAKING THIS MONUMENT ACTUALLY S43°41'E 0.15' FROM THE ACTUAL PROPERTY LINE CORNER. FC68 INDICATES THIS MONUMENT SHOULD BE 72.81' WEST OF MONUMENT #1111. OUR SURVEY SHOWS THAT M2M DISTANCE TO BE 72.82'.
- 1799 FOUND PUNCHED SPIKE AND WASHER STAMPED "PLS 7914", PER CR 2016-0372, FLUSH AT THE APPARENT C.L. INTERSECTION OF LOTUS LANE WITH GETTYSBURG DRIVE.
- 1802 FOUND PUNCHED SPIKE AND WASHER STAMPED "PLS 7914", PER CR 2016-0373, FLUSH, AT THE APPARENT C.L. INTERSECTION OF LOTUS LANE WITH CRAWFORD CIRCLE.
- 1803 FOUND BRASS TACK AND TAG IN CONCRETE PATCH STAMPED "RCE 21005" FLUSH, PER CR 2002-1022 AT THE APPARENT THE C.L. INTERSECTION OF OCCIDENTAL LANE WITH WARFIELD DRIVE.
- 1805 FOUND BRASS TACK AND TAG IN CONCRETE PATCH STAMPED "RCE 21005" PER CR 2003-1109, FLUSH AT APPARENT C.L. INTERSECTION OF WATERBURY LANE WITH NANTUCKET DRIVE.
- 1808 FOUND BRASS TACK AND TAG IN CONCRETE PATCH STAMPED "RCE 21005" FLUSH, AT THE APPARENT C.L. INTERSECTION OF WATERBURY LANE AND PORTSMOUTH DRIVE, PER CR 2002-1027.
- 1816 FOUND PUNCHED RAILROAD SPIKE, PER CR 2002-1026, DOWN 0.2 FOOT AT APPARENT C.L. INTERSECTION OF HYANNIS PORT DRIVE WITH WATERBURY LANE. CONCRETE PLUG WITH BRASS NAIL AND TAG "RCE "21005" INDICATED AS SET BY SAID CR WAS MISSING AT THE TIME OF THE CURRENT SURVEY.
- 1831 FOUND PUNCHED SPIKE AND BRASS WASHER STAMPED "RCE 14814", PER T5664 AND CITY OF HUNTINGTON BEACH TIES 007085, SHEET 1 OF 8, DOWN 0.5 FOOT. MONUMENT IS S36°E 0.14' FROM THE COMPUTED B.C.
- 1838 FOUND A MAG SPIKE AND 2 INCH BRASS WASHER, "PLS 8395 SURVEY MONUMENT", FLUSH, PER CR 2019-1954.
- 1841 FOUND 1 INCH IRON PIPE WITH PLASTIC PLUG AND TACK STAMPED "LS 4240" PER CR 1997-0535, DOWN 0.5 FOOT, HELD FOR SOUTH END OF WESTERLY R/W LINE. O.R. 7983/518 CALLS FOR 1690.61' FROM CL ATLANTA, THIS MONUMENT IS 1690.57' FROM ATLANTA.
- 1843 FOUND LEAD AND BRASS TACK AND TAG STAMPED "LS 4240" PER CR 1997-0535, ON CONCRETE WALK. MONUMENT COMPUTES TO BE S88°W 0.14' FROM R/W PRC.
- 1890 FOUND MAG SPIKE AND BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395" FLUSH, AT THE APPARENT C.L. INTERSECTION OF MALIBU LANE WITH MOLOKAI DRIVE PER CR 2019-1957.
- 1892 FOUND GEAR SPIKE AND BRASS WASHER STAMPED "LS 6970" PER CR 2018-2902, DOWN 0.1 FOOT AT APPARENT INTERSECTION OF LEILANI DRIVE WITH MALIBU LANE. FOR THIS SURVEY, USED IN CONJUNCTION WITH #1714 TO CONTROL THE DIRECTION OF THE SOUTH LINE OF THE NORTH 1/2, NW 1/4, FRACTIONAL SECTION 19, T6S, R10W, MM 51/14.
- 1893 FOUND A BRASS NAIL AND TAG STAMPED "PLS 8395" FLUSH IN CONCRETE PATCH AT THE APPARENT C.L. INTERSECTION OF MALIBU LANE WITH BANNING AVENUE PER CR 2019-1955. MONUMENT COMPUTES TO BE 0.08' SOUTH OF C.L. BANNING AVENUE.
- 1910 FOUND MAG SPIKE AND BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395" FLUSH, IN THE INTERSECTION OF HARWICH LANE AND WALLINGFORD LANE, PER CR 2019-1973.
- 1911 FOUND MAG NAIL AND BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395" FLUSH IN THE INTERSECTION OF HARWICH LANE AND FOLKSTONE CIRCLE, PER CR 2019-1968.
- 1912 FOUND MAG NAIL AND BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395" FLUSH, AT A PCC IN HARWICH LANE 185± NORTHWEST OF FOLKSTONE CIRCLE, PER CR 2019-1966.
- 1913 FOUND MAG SPIKE AND BRASS WASHER STAMPED "SURVEY MONUMENT PLS 8395" FLUSH AT APPARENT CUL-DE-SAC RADIUS POINT OF GATESHEAD DRIVE, PER CR 2019-1963.
- 1914 FOUND A MAG NAIL AND 2 INCH BRASS WASHER, "PLS 8395 SURVEY MONUMENT", AT THE APPARENT CUL-DE-SAC RADIUS POINT OF LAGUNA CIRCLE, FLUSH, PER CR 2019-1952.
- 1915 FOUND 1 INCH IRON PIPE WITH PLASTIC PLUG AND TACK STAMPED "LS 4240" PER CR 1997-0535, DOWN 0.5 FOOT. COMPUTES TO BE S24°W 0.07' FROM END OF P.L. CURVE.
- 1916 FOUND GEAR SPIKE AND ALUMINUM WASHER STAMPED "LS 7707", PER CR 2006-0732, FLUSH, AT APPARENT C.L. E.C. OF CAPISTRANO LANE, 115'± SOUTH OF BANNING AVENUE.
- 1917 FOUND PUNCHED SPIKE, NO WASHER, DOWN 0.2 FOOT PER T3903. MONUMENT COMPUTES TO BE 0.06' NORTH OF C.L. BANNING AVENUE.
- 1930 FOUND A MAG SPIKE AND 2" BRASS WASHER, STAMPED "SURVEY MONUMENT PLS 8395", FLUSH, PER CR 2019-1948.
- 1933 FOUND LEAD, BRASS TACK AND TAG STAMPED "LS 4240" PER CR 1997-0535 ON TOP OF CONCRETE FENCE POST FOOTING IN LIEU OF NAIL/TAG "LS 4240 PER SAID REFERENCE. MONUMENT COMPUTES TO BE S70°W 0.11' FROM R/W PRC.

FOUND MONUMENT NOTES CONTINUED

- 1937 FOUND 2 1/2 INCH IRON PIPE WITH BRASS DISK STAMPED "OCFCD R/W", PER FC68, DOWN 0.5 FOOT. HELD FOR PRC.
- 1938 FOUND GEAR SPIKE AND 1 3/8 INCH ALUMINUM WASHER STAMPED "LS 5411" PER CR 2017-2829, FLUSH. FITS RECORD DISTANCE FROM POINT #1939 DESCRIBED BELOW FOR SOUTHWEST CORNER OF PARCEL 301, O.R. 8582/497. ACCEPTED AS POINT ON WEST LINE OCFCD R/W PARCEL 301. MONUMENT COMPUTES TO BE 0.03' NORTH OF C.L. ATLANTA AVE.
- 1939 FOUND GEAR SPIKE AND 1 3/8 INCH ALUMINUM WASHER STAMPED "LS 5411" CR 2017-2829, FLUSH. FITS RECORD LOCATION FOR SOUTHEAST CORNER PARCEL A, O.R. 6754/712, SAME BEING PARCEL 301, O.R. 8582/497, WITHIN 0.03' WESTERLY AND 0.02' EASTERLY. HELD FOR EASTERLY LINE OF SAID PARCEL 301, AND EASTERLY R/W LINE D01, NORTHERLY.
EAST LINE OF D01 SOUTHERLY IS 0.08' WEST OF THIS MONUMENT.
- 1943 FOUND A MAG SPIKE AND WASHER, "CITY OF HB", PER CR 2018-2494, FLUSH. HELD FOR POINT ON WESTERLY R/W D01, RUNNING BOTH SOUTHERLY AND NORTHERLY FROM C.L. INDIANAPOLIS AVENUE. COMPUTES TO BE 0.03' SOUTH OF C.L. INDIANAPOLIS.
- 1944 FOUND A MAG SPIKE AND WASHER, "CITY OF HB", PER CR 2018-2495, FLUSH. HELD FOR POINT ON EASTERLY R/W D01, RUNNING BOTH SOUTHERLY AND NORTHERLY FROM C.L. INDIANAPOLIS. ALSO, COMPUTES TO BE ON C.L. INDIANAPOLIS.
- 1956 FOUND A 2 1/2 INCH IRON PIPE WITH BRASS DISK, "OCFCD R/W", PER FC68 AND R153, DOWN 1.7'. MONUMENT COMPUTES TO BE 0.10' WEST OF EAST R/W LINE D01 AND 0.03' SOUTH OF NORTHERLY R/W LINE OF ATLANTA.
- 1979 FOUND A 2 INCH IRON PIPE WITH TAG, "RCE 8793", PER T4409, T4649, & R153, DOWN 1.1' AND ON EAST LINE LOT C, T4649. HELD AS ANGLE POINT IN EAST LINE OF D01 R/W AS SHOWN ON R153.
- 1992 FOUND 2 INCH IRON PIPE WITH TAG "LS 5662", PER R232 AND CR 1997-0489, FLUSH. HELD FOR LINE TO NORTHEAST - R232 CALLS THIS MONUMENT ONLINE AND 0.53' NORTHEAST OF THE ACTUAL PROPERTY CORNER. SAID 0.53' OFFSET DISTANCE NOT RELATIVE TO THIS SURVEY, AND NOT VERIFIED.
- 1995 FOUND 2 1/2 INCH IRON PIPE WITH 1 1/4 INCH BRASS DISK STAMPED "OCFCD R/W" PER FC68, SHEET D01/244, FLUSH. MONUMENT COMPUTES TO BE S38°E 0.07' FROM THE INTERSECTION OF THE EASTERLY R/W LINE D01, WITH THE SOUTH R/W LINE INDIANAPOLIS AVE.
- 1998 FOUND PUNCHED SPIKE AND ALUMINUM WASHER STAMPED "PLS 7914" PER P371, FLUSH, ON WEST LINE OF D01 R/W.
- 2001 FOUND PUNCHED SPIKE AND BRASS WASHER STAMPED "CAL TRANS" PER CR 1996-0121, DOWN 0.1 FOOT. FOUND TO BE 19.93' (19.95' CR 1996-0121) EAST OF THE SECTION CORNER, #5018, AND 0.04' SOUTH OF THE NORTH LINE OF SECTION 6, T6S, R11W, MM 51/14.
- 2002 FOUND LEAD AND BRASS TACK AND 3/4" TAG STAMPED "OCS TIE" ON WESTERLY MEDIAN CURB PER CR 1996-0119. SEE #5009 BELOW FOR TIE DIMENSIONS.
- 2003 FOUND LEAD AND BRASS TACK AND TAG STAMPED "CAL TRANS" ON WESTERLY MEDIAN CURB PER CR 1996-0119. SEE #5009 BELOW FOR TIE DIMENSIONS.
- 2004 FOUND LEAD AND BRASS TACK AND TAG STAMPED "CAL TRANS" ON WESTERLY MEDIAN CURB PER CR 1996-0119. SEE #5009 BELOW FOR TIE DIMENSIONS.
- 2005 FOUND LEAD AND BRASS TACK AND 3/4" TAG STAMPED "OCS TIE" ON WESTERLY MEDIAN CURB PER CR 1996-0119. SEE #5009 BELOW FOR TIE DIMENSIONS.
- 2054 SEE 2058 BELOW
- 2055 SEE 2058 BELOW
- 2056 SEE 2058 BELOW
- 2057 SEE 2058 BELOW
- 2058 FOUND NOTHING, SET NOTHING, RE-ESTABLISHED POSITION PER TIES SHOWN ON CR 2015-2535 [POINTS # 2054 THROUGH 2057, ALL LEAD, NAIL AND TAG, "HB TIE" IN TOP OF CURB AT LOCATIONS SHOWN BELOW]. COMPUTED TIE INTERSECT [#2058] COMPUTES TO BE 0.09' EAST OF EAST R/W LINE D02, AND 0.04' SOUTH OF C.L. INDIANAPOLIS AVENUE, AS THAT C.L. IS CURRENTLY MONUMENTED. CR 2015-2535 RECORD DISTANCES AND RESULTING MEASURED TIE DISTANCES AND BEARINGS ARE AS FOLLOWS:
- 2054-2058 = S 34°44'37" W 39.03' (39.03')
2055-2058 = N 45°54'45" E 45.78' (45.78')
2056-2058 = N 44°04'41" W 44.94' (44.93')
2057-2058 = S 44°30'57" E 45.32' (45.31')
- 2729 FOUND A 2" IRON PIPE WITH TAG, "OCS TIE", IN LIEU OF 2" I.P. WITH 1 3/8" OCS BRASS TAG SHOWN AS SET BY R232 AND OCS A/6-11/120, DOWN 1.5', S04°31'36"E 0.81' FROM REMAINS OF A 3" IRON PIPE WITH NAIL IN CENTER (#1729) DOWN 1.1' PER R029 AND T3903. MONUMENT IS N46°40'W 0.26' FROM ANGLE POINT AS DETERMINED BY THIS SURVEY BY GRANT BOUNDARY ADJUSTMENT OF R232 RECORD INFORMATION BETWEEN #1728 AND #3742. SEE DESCRIPTION FOR 1729 ABOVE. ALSO, SEE #3729 BELOW FOR SET MONUMENTATION AT THIS CORNER.
- 3729 RE-ESTABLISHED LOCATION OF BOUNDARY ANGLE POINT BY GRANT BOUNDARY ADJUSTMENT OF R232 DATA BETWEEN MONUMENT 1728 TO THE SOUTHEAST, AND THE WEST END OF THE NORTH LINE OF SECTION 24, T6S, R11W, MM 51/14, TO THE NORTHWEST. FOUND MONUMENT, DESCRIBED AS #1729, N14°15'W 1.02' AND MONUMENT DESCRIBED AS #2729, SET BY R232 AND/OR OCS A/6-11/120, N46°40'W 0.26' FROM THE COMPUTED ANGLE POINT LOCATION. SET 2 INCH BY 48 INCH STAINLESS STEEL PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" UP 0.5 FEET. SET CARSONITE POST 1.5 FEET NORTHERLY OF THE MONUMENT.

SHEET NOTE:

- SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
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ROGER A. FRANK, P.L.S. 4215

FOUND MONUMENT NOTES CONTINUED

- 3730 RE-ESTABLISHED LOCATION OF ANGLE POINT BY GRANT BOUNDARY ADJUSTMENT OF R232 DATA BETWEEN MONUMENT 1728 TO THE SOUTHEAST, AND THE WEST END OF THE NORTH LINE OF SECTION 24, T6S, R11W, MM 51/14. FOUND MONUMENT, DESCRIBED ABOVE AS #1730, APPARENTLY MIS-CALCULATED, OR MIS-SET, BY R232 AND/OR OCS A/6-11/120, S76°10'W 1.74' FROM THE COMPUTED ANGLE POINT LOCATION. SET 2 INCH BY 48 INCH STAINLESS STEEL PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215"" UP 0.5 FEET. SET CARSONITE POST 1.0 FEET NORTHERLY OF THE MONUMENT.
- 3742 FOUND AN AXLE WITH BRASS CAP, "LS 485", PER R006, LEANING NORTH-WESTERLY, PLUMBED UP AND LOCATED CENTER, AS POINT #1742, DOWN 1.0'. SET AN ORANGE FIBERGLASS CARSONITE WITNESS POST ONE FOOT NORTHERLY. AFTER EVALUATION OF THIS AREA AND OTHER RELATED MONUMENTATION WE FIND THE POSITION FOR THIS "STRAIGHTENED" MONUMENT, #1742, EVEN THOUGH PLUMBED ABOVE THE BOTTOM OF THE PIPE, IS APPROXIMATELY S84°59'W 1.52' FROM THE WEST END OF THE NORTH LINE OF SECTION 24, T6S, R11W, MM 51/14. DID NOT ACCEPT THIS MONUMENT #1742 AS LEGITIMATE BOUNDARY CONTROL. RE-ESTABLISHED THE WESTERLY END OF THE COMMON LINE BETWEEN FRACTIONAL SECTIONS 13 AND 24, T6S, R11W, MM 51/14, POINT #3742, BY HOLDING THE SECTION CORNER AT POINT #1001, POINT #1740 FOR LINE, AND HOLDING THE RECORD DISTANCE OF 994.69' FROM THE SECTION CORNER AS SHOWN ON T3903.
SET 2 INCH BY 48 INCH STAINLESS STEEL PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" UP 0.5 FEET. SET CARSONITE POST 1.0 FEET NORTHERLY OF THE MONUMENT.
- 3745 SEARCHED FOR 2" I.P. & 1 3/8" OCS BRASS TAG PER R232, NOT FOUND. FOUND A 2" IRON PIPE WITH TAG, "LS 5662", NO RECORD, LYING ON ITS SIDE, DID NOT LOCATE. COMPUTED CORNER LOCATION BY EXTENDING LINE FROM POINT #1992 THROUGH MONUMENT 1744 TO AN INTERSECTION WITH THE SOUTH LINE OF THE 145' WIDE D01 RIGHT OF WAY.
SET 2 INCH BY 48 INCH STAINLESS STEEL PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" UP 0.5 FEET. SET CARSONITE POST 1.0 FEET NORTHERLY OF THE MONUMENT.
- 3820 COMPUTED PROPERTY CORNER AT INTERSECTION OF THE SOUTHEAST LINE OF O.R. 7022/413, AS SHOWN ON R074, WITH THE SOUTHWESTERLY LINE OF BOOK 302, PAGE 69 OF DEEDS, ALSO BEING THE SOUTHWESTERLY LINE OF R006. LAST SAID LINE ALSO BEING THE NORTHEASTERLY LINE OF R005 & R029. FOUND NOTHING,
SET 2 INCH BY 48 INCH STAINLESS STEEL PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" UP 0.5 FEET. SET CARSONITE POST 1.0 FEET NORTHERLY OF THE MONUMENT.
- 4001-4035 POINTS ON CENTERLINE OF CHANNELS WHICH ARE WITHIN THE FLOW AREA OF THOSE CHANNELS. NO MONUMENTS SET. SEE COORDINATE LIST ON SHEET 33, AND LONG TIES TO CGPS LISTINGS ON SHEET 34.
- 4040 SET A PUNCHED BOAT SPIKE AND 1 1/2 INCH WASHER, "ORANGE COUNTY SURVEYOR PLS 4215", FLUSH IN BRIDGE DECK.
- 4041 SET PUNCHED SPIKE WITH 1 1/2 INCH STEEL WASHER STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" DOWN 0.05 FOOT.
- 4042 SET PUNCHED SPIKE WITH 1 1/2 INCH STEEL WASHER STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" DOWN 0.1 FOOT.
- 4043 SET A PUNCHED BOAT SPIKE AND 1 1/2 INCH WASHER, "ORANGE COUNTY SURVEYOR PLS 4215", FLUSH IN BRIDGE DECK.
- 4044 SET A PUNCHED BOAT SPIKE AND 1 1/2 INCH WASHER, "ORANGE COUNTY SURVEYOR PLS 4215", FLUSH IN BRIDGE DECK.
- 4045 SET A PUNCHED BOAT SPIKE AND 1 1/2 INCH WASHER, "ORANGE COUNTY SURVEYOR PLS 4215", FLUSH IN BRIDGE DECK.
- 4046 SET A 2 INCH IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR PLS 4215", FLUSH, SET A CARSONITE WITNESS 1.0' NORTHERLY.
- 4050 SET 2 INCH BY 48 INCH STAINLESS STEEL PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" UP 0.5'. SET CARSONITE POST 1 FOOT NORTHERLY OF THE MONUMENT.
- 4052-94052 SET LEAD AND BRASS TACK AND TAG STAMPED "PLS 4215" ON TOP OF CONCRETE WALL 3 FOOT ABOVE ROAD LEVEL. MONMENT OFFSET PERPENDICULAR 1.00 FOOT EASTERLY INTO THE CHANNEL. THE ACTUAL POSITION LANDS IN THE BACKYARD OF A RESIDENCE.
- 4053-94053 SET LEAD AND BRASS TACK AND TAG STAMPED "PLS 4215" ON TOP OF CONCRETE WALL AT ROAD LEVEL. MONUMENT OFFSET PERPENDICULAR 1.50 FEET WESTERLY INTO THE CHANNEL. THE ACTUAL POSITION LANDS IN THE BACKYARD OF A RESIDENCE.
- 4054 SET 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" ON TOP OF CONCRETE WALL (FOOTING) AT ROAD LEVEL. SET CARSONITE POST AT WESTERLY EDGE OF THE WALL AND MONUMENT.
- 4055 SET 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" ON TOP OF CONCRETE WALL AT ROAD LEVEL. SET CARSONITE POST 0.5 FOOT NORTHERLY OF THE MONUMENT.
- 4056-94056 SET 2 INCH IRON PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR 1 FT O/S PLS 4215" FLUSH IN AC. MONUMENT OFFSET RADIAL 1.00 FOOT NORTHEASTERLY INTO THE CHANNEL. ACTUAL POSITION LANDS ON THE WESTERLY FACE OF THE WALL SET CARSONITE POST 0.5 FOOT WESTERLY OF THE MONUMENT.
- 4057 SET 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" ON TOP OF CONCRETE WALL (STRIP) AT ROAD LEVEL. SET CARSONITE POST EAST AT WESTERLY EDGE OF THE WALL.
- 4058 SET LEAD AND BRASS TACK AND TAG STAMPED "PLS 4215" IN CONCRETE GUTTER.
- 4059 SET PUNCHED SPIKE WITH 1 1/2 INCH STEEL WASHER STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" DOWN 0.05 FOOT.
- 4065 SET A 2" IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR PLS 4215", DOWN 0.3', MONUMENT LOCATED 0.4' EASTERLY AND 0.3' SOUTHERLY OF EXISTING BLOCK WALL, SET A CARSONITE WITNESS 1' SOUTHERLY.
- 4066 SET A 2" IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR PLS 4215", DOWN 0.3', MONUMENT LOCATED 0.4' SOUTHEASTERLY OF EXISTING BLOCK WALL, SET A CARSONITE WITNESS 1' NORTHERLY.
- 4067 SET A 2" IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR PLS 4215", DOWN 0.3', MONUMENT LOCATED 0.4' EASTERLY OF EXISTING BLOCK WALL, SET A CARSONITE WITNESS 1' NORTHERLY.
- 4068 SET 2 INCH BY 48 INCH STAINLESS STEEL PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" UP 0.5'. SET CARSONITE POST 1 FOOT NORTHERLY OF THE MONUMENT.

FOUND MONUMENT NOTES CONTINUED

- 4070 SET 2 INCH IRON PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" DOWN 0.2 FOOT. SET CARSONITE POST 0.5 FOOT EASTERLY OF THE MONUMENT.
- 4071 FOUND 2 1/2 INCH IRON PIPE WITH 1 1/2 INCH BRASS CAP STAMPED "OCFCD R/W" UNDERWATER LAYING ON ITS SIDE. SET 2 INCH BY 48 INCH STAINLESS STEEL PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" UP 0.3'. SET CARSONITE POST 1 FOOT SOUTHERLY OF THE MONUMENT.
- 4072 SET A 2" IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR PLS 4215", DOWN 0.4', MONUMENT LOCATED 1.0' SOUTHWESTERLY OF BLOCK RETAINING WALL, SET A CARSONITE WITNESS 1' NORTH-WESTERLY.
- 4073 SET A 2" IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR PLS 4215", DOWN 0.1', MONUMENT LOCATED 0.7' WESTERLY OF BLOCK WALL, 0.8' EASTERLY OF BLOCK RETAINING WALL, SET A CARSONITE WITNESS 1' NORTHERLY.
- 4075-94075 SET A 2" IRON PIPE WITH A 2 1/2" BRASS CAP, "ORANGE COUNTY SURVEYOR 2 FT O/S PLS 4215", DOWN 0.2'. MONUMENT OFFSET PERPENDICULAR 2.00 FEET WESTERLY INTO THE CHANNEL, 1.0' WESTERLY OF BLOCK WALL, SET A CARSONITE WITNESS 0.8' EASTERLY.
- 4076 SET A 2" IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR PLS 4215", FLUSH', MONUMENT LOCATED 0.4' EASTERLY OF BLOCK WALL, SET A CARSONITE WITNESS 1' NORTHERLY.
- 4077-94077 SET A 2" IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR 2 FT O/S PLS 4215", DOWN 0.3', MONUMENT OFFSET PERPENDICULAR 2.00 FEET EASTERLY INTO CHANNEL, 0.9' EASTERLY OF BLOCK WALL AND CHAIN LINK FENCE, SET A CARSONITE WITNESS 1' NORTHERLY.
- 4078 SET A 2 INCH IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR PLS 4215", DOWN 0.3', MONUMENT LOCATED 0.1' EASTERLY OF BLOCK WALL, SET A CARSONITE WITNESS 0.5' EASTERLY.
- 4079 SET A 2 INCH IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR PLS 4215", DOWN 0.5', MONUMENT LOCATED 0.4' WESTERLY AT CHAIN LINK FENCE LINE, SET A CARSONITE WITNESS 0.5' WESTERLY.
- 4080-94080 SET A 2 INCH IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR 2 FT O/S PLS 4215", DOWN 0.3', MONUMENT OFFSET PERPENDICULAR 2.00 FEET WESTERLY INTO CHANNEL, 0.6' WESTERLY OF BLOCK WALL, SET A CARSONITE WITNESS 1' NORTHERLY.
- 4081 SET A LEAD, TACK AND TAG, "PLS 4215" ON TOP OF BLOCK WALL, SET A CARSONITE WITNESS 0.5' EASTERLY.
- 4082 SET A 2 INCH IRON PIPE WITH A 2 1/2 INCH BRASS CAP, "ORANGE COUNTY SURVEYOR PLS 4215", DOWN 0.3', MONUMENT LOCATED 0.2' EASTERLY OF CHAIN LINK FENCE, SET A CARSONITE WITNESS 0.7' SOUTHWESTERLY.
- 4083 SET 2 INCH IRON PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" DOWN 0.5 FOOT.
- 4084 SET LEAD AND BRASS TACK AND TAG STAMPED "PLS 4215" ON TOP OF WALL.
- 4085 SET LEAD AND BRASS TACK AND TAG STAMPED "PLS 4215" ON CONCRETE CURB AT BASE OF WALL.
- 4086 SET LEAD AND BRASS TACK AND TAG STAMPED "PLS 4215" ON CONCRETE CURB AT BASE OF WALL.
- 4087 SET 2 INCH IRON PIPE WITH 2 1/2 INCH BRASS CAP STAMPED "ORANGE COUNTY SURVEYOR PLS 4215" DOWN 0.2 FOOT. SET CARSONITE POST 0.5 FOOT WESTERLY.
- 4738 FOUND A 3" IRON PIPE WITH BRASS DISK, "OCFCD R/W", PER FC68, DOWN 0.5', BENT OVER, DID NOT POSITION. SET A 2" IRON PIPE WITH A 2 1/2" BRASS CAP, "ORANGE COUNTY SURVEYOR PLS 4215" AT COMPUTED LOCATION FOR E.C. SHOWN AS MONUMENT POINT NO, 4071.
- 4320 FOUND BRASS TACK AND 1 1/4 INCH BRASS TAG STAMPED "ORANGE COUNTY SURVEYOR" ON STAMPED CONCRETE MEDIAN PER R124. MONUMENT FITS WITHIN 0.01' OF A POSITION COMPUTED BY PROPORTIONATE MEASURE ALONG THE C.L. ADAMS AVENUE BETWEEN C.L. MAGNOLIA AND C.L. BUSHARD, AS CURRENTLY MONUMENTED, USING THE DISTANCES FROM O.R. 5956/185 AS A BASIS FOR PROPORTION. ACCEPTED AS THE POINT OF INTERSECTION OF THE C.L. ADAMS AVENUE WITH C.L. TALBERT CHANNEL, D02, BOTH SOUTHERLY AND NORTHERLY FROM C.L. ADAMS AVENUE.
- 5003 FOUND A MAG NAIL AND BRASS WASHER STAMPED "LS 5411" FLUSH IN THE INTERSECTION OF BUSHARD STREET WITH BROOKHURST STREET, PER R232. THIS IS OCS GPS 5003R2 PER OCS DATA SHEET FOR GPS 5003R2.
- 5005 FOUND A SURVEY MARK SPIKE WITH TAG STAMPED "ORANGE COUNTY SURVEYOR GPS 5005R1" FLUSH SET BY R232 IN AC PAVEMENT. THIS IS OCS GPS 5005R1.
- 5006 FOUND A NAIL AND TAG, STAMPED "LS 5411", IN CONCRETE, DOWN 1.0' IN A MONUMENT WELL PER CR 2011-1507 AND OCS GPS DATA SHEET 5006R1. MONUMENT WAS HELD AS "ON" C.L MAGNOLIA TO COMPUTE A CURVE WHICH FITS THIS INTERSECTION MONUMENT AS WELL AS THE B.C MONUMENT TO THE SOUTHWEST AND THE SECTION LINE TO THE NORTHEAST.
- 5007 FOUND A GEAR SPIKE AND WASHER "PLS 6965", FLUSH IN AC PAVEMENT, WITH NO RECORD REFERENCE FOUND. APPEARS TO HAVE BEEN SET TO REPLACE A ROUND HEAD SPIKE WITH TAG "RCE 9851" PER CR 2008-2392 AND OCS GPS DATA SHEET 5007. MONUMENT IS AT THE APPARENT BEGINNING OF CURVE IN NEWLAND AVENUE. STATION IS LOCATED ABOUT 0.15 MILE NORTHEASTERLY ALONG NEWLAND AVENUE FROM THE INTERSECTION WITH PACIFIC COAST HIGHWAY.

SHEET NOTE:

- SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
SHEET 2 FOR STATEMENT OF PURPOSE, DATUM STATEMENT, BASIS OF BEARINGS, MONUMENT SYMBOLS, RECORD REFERENCES LIST AND REFERENCE ABBREVIATIONS USED.
SHEETS 3-21 FOR 1"=100' SCALE MAP SHEETS
SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

FOUND MONUMENT NOTES CONTINUED

- 5009 SEARCHED, FOUND NOTHING AT POINT DESCRIBED ON OCS GPS DATA SHEET FOR 5009R1. FOUND FOUR TIE MONUMENTS IN WESTERLY MEDIAN CURB [POINTS 2002 & 2005 ARE LEAD & TAG "OCS". POINTS 2003 & 2004 ARE LEAD & TAG "CALTRANS"] PER CR 1996-0119. CR SHOWS TWO ADDITIONAL TIE MONUMENTS ON THE WESTERLY CURB, BUT THOSE MONUMENTS HAVE BEEN DESTROYED BY CURB RECONSTRUCTION. RE-ESTABLISHED LOCATION OF 5009 FROM THE FOUR REMAINING TIES PER THAT CORNER RECORD. CORNER IS IN THE SOUTHBOUND FAST LANE OF BEACH BOULEVARD, HIGHWAY 39, SET NOTHING. RESULTING TIE LOCATIONS AND DIMENSIONS FROM 5009 ARE:
- 5009 - 2002 = S22°12'44"E 38.47' (38.51 CR 1996-0119)
5009 - 2003 = S52°43'08"E 15.48' (15.48' CR 1996-0119)
5009 - 2004 = N54°54'29"E 14.18' (14.18' CR 1996-0119)
5009 - 2005 = N19°29'42"E 34.47' (34.47' CR 1996-0119)
- 5010 FOUND 2 INCH IRON PIPE WITH BRASS TACK AND TAG STAMPED "ORANGE COUNTY SURVEYOR 03-01 5010R1" DOWN 1.3 FOOT IN WELL PER OCS GPS DATA SHEET FOR 5010R1, AND CR 2001-0697. ACCEPTED AS CENTER OF SECTION 13, T6S, R11W, MM 51/14.
- 5011 FOUND A 2" IRON PIPE WITH PUNCHED NAIL AND TAG STAMPED "RCE 12589", [STAMPING IS NEARLY ILLEGIBLE AT THE TIME OF THIS SURVEY] DOWN 1.2 FEET IN MONUMENT WELL IN THE INTERSECTION OF MAGNOLIA STREET WITH HAMILTON AVENUE, PER P226 AND OCS A/6-11, 58. ACCEPTED AS COMMON 1/4 CORNER OF SECTION 13, T6S, R11W AND SECTION 18, T6S, R10W, BOTH OF MM 51/14.
- 5012 FOUND A SURVEY MARK SPIKE WITH A WASHER STAMPED "ORANGE COUNTY SURVEYOR GPS 5012R1" FLUSH WITH AC PAVEMENT IN THE INTERSECTION OF BUSHARD STREET WITH HAMILTON AVENUE, PER CR 2005-0498.
- 5015 FOUND GEAR SPIKE AND WASHER "LS 5662" FLUSH IN AC PAVEMENT IN THE INTERSECTION OF BUSHARD STREET WITH ATLANTA AVENUE PER OCS GPS DATA SHEET FOR OCS GPS 5015R1, CR 2008-0178 & CR 2005-1037.
- 5016 FOUND A MAG SPIKE & TAG "CITY OF H.B." PER CR 2017-2294, FLUSH IN AC PAVEMENT IN THE INTERSECTION OF MAGNOLIA STREET WITH ATLANTA AVENUE. CR 2016-2873 INDICATES FINDING THE PUNCHED RAILROAD SPIKE AS DESCRIBED IN OCS GPS DATA SHEET FOR 5016. CR 2017-2294 INDICATES SETTING THE MONUMENT THAT WE FIND CURRENTLY USING THE TIES PER CR 2016-2873. THUS, THE CURRENT MONUMENT SHOULD BE OCCUPYING THE SAME POINT AS THE RECORD GPS POINT 5016.
- 5017 FOUND 2 INCH IRON PIPE WITH BRASS TACK AND TAG STAMPED "OCS DM" DOWN 0.4 FOOT IN MONUMENT WELL. OCS A/6-11, 25 SHOWS SETTING THIS MONUMENT, BUT DOES NOT SHOW HOW. NOTES ARE STAMPED "RECEIVED FROM D.D. HILLYARD, MARCH 28, 1960", AND ALSO NOTED AS "O.C.S.D. #11, BK. 2-84". ACCEPTED AS SAME MONUMENT DESCRIBED AS "FD. MON & 2" I.P. "OCS DM", PER T5581, IN 1964, AND P202 IN 1984.
- 5018 FOUND BRASS TACK AND TAG IN CONCRETE STAMPED "RCE 12589" IN MONUMENT WELL, PER CR 1996-0121, P202, AND PER OCS GPS DATA SHEET FOR GPS 5018, DOWN 0.9 FOOT BELOW STREET SURFACE. ACCEPTED AS NORTHWEST CORNER SECTION 13, T6S, R11W, MM 51/14.
- 5023 FOUND 2 INCH IRON PIPE WITH BRASS TACK AND TAG STAMPED "CITY OF H.B. RCE 10655" DOWN 0.8 FOOT IN WELL PER OCS DATA SHEET FOR GPS 5023 AND RS 95-1033, RSB 153/25-27. ACCEPTED AS THE WEST 1/4 CORNER SECTION 12, T6S, R11W, MM 51/14.
- 5024 FOUND 3 INCH BRASS DISK IN CONCRETE STAMPED "H.B. CITY RCE 12589" PER RS 95-1033, RSB 153/25-27 AND OCS GPS DATA SHEET FOR GPS 5024, DOWN 1.1 FOOT IN MONUMENT WELL. ACCEPTED AS THE CENTER SECTION 12, T6S, R11W, MM 51/14.
- 5025 FOUND A GEAR SPIKE AND WASHER STAMPED "CITY OF H.B." FLUSH IN PAVEMENT. THIS MONUMENT MATCHES THE DESCRIPTION AND THE POSITION DESCRIBED IN OCS HORIZONTAL CONTROL DATA SHEET FOR OCS GPS 5025R1. THIS MONUMENT IS NOT SECTIONAL CONTROL, AND WAS NOT ACCEPTED AS CADASTRAL CONTROL IN THIS SURVEY. SEE POINT NUMBER 1000 ABOVE FOR ACCEPTED CADASTRAL CONTROL POINT IN THIS SAME INTERSECTION.
- 5026 FOUND GEAR SPIKE AND WASHER STAMPED "LS 5662", FLUSH, PER CR 2014-0872, CR 2006-0613, AND OCS HORIZONTAL CONTROL DATA SHEET FOR OCS GPS 5026R1.
- 5029 FOUND A GEAR SPIKE & WASHER STAMPED "LS 6970", FLUSH WITH PAVEMENT, PER CR 2007-1789 & OCS GPS DATA SHEET 5029R1.
- 5030 FOUND A 2 INCH IRON PIPE WITH BRASS TAG "CITY OF H.B. RCE 10655" DOWN 1.25' IN MONUMENT WELL AT APPARENT CENTERLINE INTERSECTION OF MAGNOLIA STREET AND ADAMS AVENUE, PER CR 2007-2964 (WHICH ERRONEOUSLY SHOWS THE TAG NUMBER TO BE "RCE 10656"), AND OCS HORIZONTAL CONTROL DATA SHEET FOR OCS GPS 5030. NOTE: THIS MONUMENT WELL HAS A "WATER" LID.
- 5031 FOUND 2 INCH IRON PIPE WITH BRASS TACK AND TAG STAMPED "CITY OF H.B. RCE 10655" DOWN 1.0 FOOT IN MONUMENT WELL, PER CR 2008-0407 [WHICH ERRONEOUSLY INDICATES THAT THE TAG HAS 'NO STAMPING']. ACCEPTED AS THE NORTH 1/4 CORNER, SECTION 12, T6S, R11W, MM 51/14.
- 5032 SEARCHED FOUND NOTHING. NO TIES APPARENT AT TIME OF FIRST FIELD VISIT. OLDER TIES WERE AT THE CENTER OF THE CURB RETURNS, AND ALL RETURNS HAVE BEEN REBUILT. IN-DEPTH RESEARCH FINDS A RECORD OF ONE TIE TO AN OCS BENCH MARK ON A CATCH BASIN AT THE NORTHWEST CORNER. A SECOND FIELD VISIT FINDS THAT BM STILL IN PLACE ON THE ONLY "OLD" CONCRETE LEFT IN THE INTERSECTION. THIS WAS SHOWN AS A SWING TIE, [OUR POINT # 19871] WITH NO ANGULAR INFORMATION, ON CR 1996-0167. COMPUTED THE LOCATION OF GPS POINT 5032 BY ITS 1991.35 GPS MEASURED DISTANCES TO GPS POINTS 5023, 5024, & 5031, ALL THREE OF WHICH ARE THE SAME MONUMENTS TODAY AS THEY WERE IN 1991. ACCEPTED AS THE LOCATION OF THE COMMON CORNER TO SECTIONS 2, 1, 11 & 12, T6S, R11W, MM 51/14. SEE BOUNDARY NARRATIVE #16 ON SHEET 32. SET A PUNCHED BOAT SPIKE AND 1 1/2 INCH WASHER, STAMPED "ORANGE COUNTY SURVEYOR PLS 4215", FLUSH IN BRIDGE DECK.
- 5041 FOUND A 2 INCH IRON PIPE WITH BRASS TAG, "CITY OF H.B. RCE 10655" DOWN 1.2' IN A MONUMENT WELL AT THE INTERSECTION OF MAGNOLIA STREET WITH YORKTOWN AVENUE PER T7991 AND OCS GPS DATA SHEET FOR GPS 5041. ACCEPTED AS THE COMMON 1/4 CORNER SECTIONS 6, T6S, R10W, AND SECTION 1, T6S, R11W, BOTH AS SHOWN ON MM 51/14. NOTE: MONUMENT WELL HAS A "WATER" LID.
- 5042 FOUND GEAR SPIKE AND WASHER STAMPED "LS 5662 FLUSH, PER CORNER RECORD 2005-1036 AND OCS GPS DATA SHEET 5042R1. STATION IS LOCATED AT APPARENT CENTERLINE INTERSECTION OF BUSHARD ST. AND YORKTOWN AVE. ACCEPTED AS CENTER OF SECTION 6, T6S, R10W, MM 51/14.
- 19871 FOUND 3 3/4 INCH OCS ALUMINUM BENCHMARK DISK STAMPED "HB-198-71", SET IN THE SOUTHEAST CORNER OF A 4 FT. BY 7 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED IN THE NORTHWEST CORNER OF THE INTERSECTION OF ADAMS AVENUE AND BEACH BOULEVARD, PER OCS DATASHEET FOR BENCH MARK HB-198-71, AND PER CR 1996-0167. THIS BM WAS USED AS A MONUMENT PRESERVATION 'SWING' TIE MONUMENT FOR THE NORTHWEST CORNER OF SECTION 12, T6S, R11W, MM 51-14, AND IS THE ONE AND ONLY TIE MONUMENT STILL EXISTING IN THIS INTERSECTION. SEE BOUNDARY NARRATIVE 16 ON SHEET 32.

SHEET NOTE:

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RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

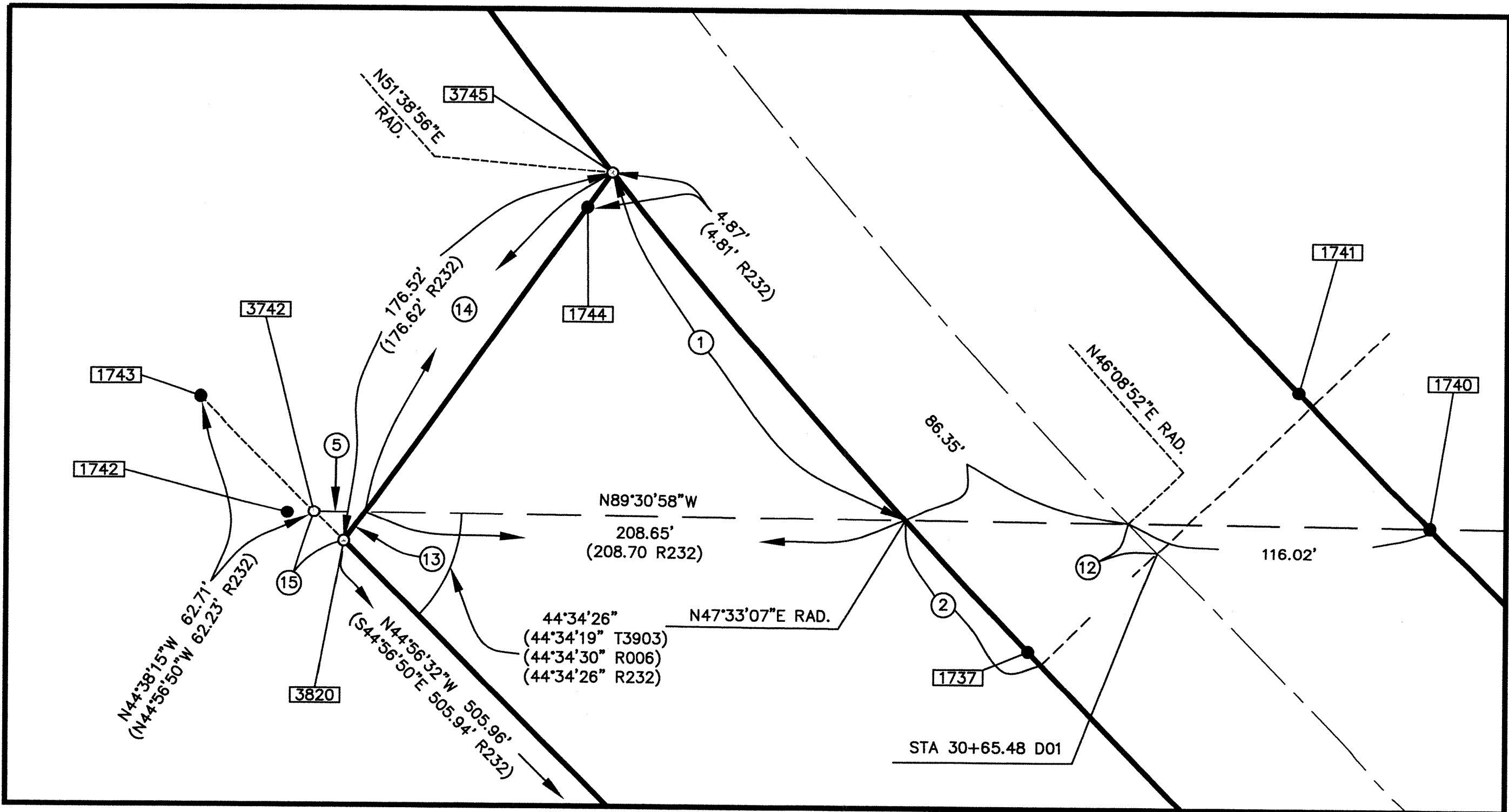
ROGER A. FRANK, P.L.S. 4215

CHECKS TO ADJOINER RECORD MONUMENTATION C.L. HUNTINGTON BEACH CHANNEL, D01 [SORTED BY POINT NUMBER]

MONUMENT NUMBER	C. L. STATION	MEASURED OUT	RECORD OUT	RECORD REFERENCE
1040	137+92.39	50.04'	50.00'	FC68
1048	163+57.10	-49.93'	-50.00'	DCS A/6-11, 80
1050	160+61.69	-49.84'	-50.00'	P247
1060	161+65.99	-49.80'	-50.00'	P247
1068	163+56.22	48.98'	49.00'	T11870
1102	75+61.81	62.07'	62.00'	FC68
1112	86+92.64	62.16'	62.00'	FC68
1115	83+78.56	-61.44'	-62.00'	FC68
1116	87+91.18	-62.05'	-62.00'	FC68
1117	90+31.87	-61.98'	-62.00'	FC68
1330	137+50.32	0.00'	0.00'	CR 2018-2495
1579	144+30.99	50.00'	50.00'	T4114, T4649, DC02
1717	9+08.24	212.48'	212.50'	TR3903
1718	11+68.25	212.41'	212.50'	TR3903
1719	14+32.44	212.44'	212.50'	TR3903
1720	13+38.43	82.50'	82.50'	FC68, FC89, R232
1721	13+38.45	-62.32'	-62.50'	FC68, FC89, R232
1731	26+69.74	-62.47'	-62.50'	CR 2010-2430
1733	26+69.78	82.48'	82.50'	CR 2010-0896, R232
1737	30+65.90	-62.53'	-62.50'	FC68 & R232
1739	28+18.72	82.49'	82.50'	FC68 & R232
1740	29+99.93	82.49'	82.50'	R232 & P226
1741	30+66.01	82.51'	82.50'	FC68 & R232
1748	19+89.09	212.59'	212.50'	TR3903
1749	22+49.56	212.67'	212.50'	TR3903
1751	42+43.99	-62.61'	-62.50'	R232 & R074
1752	49+30.66	82.54'	82.50'	FC68
1753	49+30.66	-62.53'	-62.50'	FC68
1754	50+98.36	82.36'	82.50'	R232
1756	52+11.19	82.37'	82.50'	R232
1757	55+18.37	82.50'	82.50'	R232
1758	55+18.48	-62.54'	-62.50'	R232
1761	57+87.03	-62.38'	-62.31'	R232
1762	63+88.20	82.50'	82.50'	R232
1763	64+28.14	82.50'	82.50'	R232
1783	45+67.49	82.64'	82.50'	R054 & R060
1787	100+40.95	-55.14'	-55.22'	P371
1838	6+67.85	212.45'	212.50'	TR3903
1841	94+22.13	-55.20'	-55.22'	P202
1930	17+15.37	212.41'	212.50'	TR3903
1938	111+12.74	-49.99'	-50.00'	CR 2017-2432
1939	111+12.14	55.30'	55.30'	CR 2017-2432
1943	137+50.80	-50.00'	-50.00'	CR 2018-2494
1944	137+49.83	50.00'	50.00'	CR 2018-2495
1956	111+62.04	49.90'	50.00'	FC68
1979	126+05.62	50.00'	50.00'	T4409, T4649 & R153
1995	137+07.75	50.04'	50.00'	FC68
1998	105+67.72	-55.23'	-55.22'	P371

CHECKS TO ADJOINER RECORD MONUMENTATION C.L. HUNTINGTON BEACH CHANNEL, D01 [SORTED BY C.L. STATION]

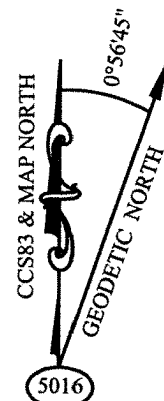
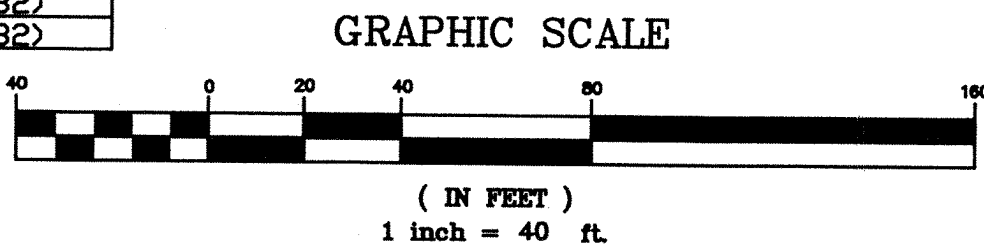
MONUMENT NUMBER	C. L. STATION	MEASURED OUT	RECORD OUT	RECORD REFERENCE
1838	6+67.85	212.45'	212.50'	TR3903
1717	9+08.24	212.48'	212.50'	TR3903
1718	11+68.25	212.41'	212.50'	TR3903
1720	13+38.43	82.50'	82.50'	FC68, FC89, R232
1721	13+38.45	-62.32'	-62.50'	FC68, FC89, R232
1719	14+32.44	212.44'	212.50'	TR3903
1930	17+15.37	212.41'	212.50'	TR3903
1748	19+89.09	212.59'	212.50'	TR3903
1749	22+49.56	212.67'	212.50'	TR3903
1731	26+69.74	-62.47'	-62.50'	CR 2010-2430, R232
1733	26+69.78	82.48'	82.50'	CR 2010-0896, R232
1739	28+18.72	82.49'	82.50'	FC68 & R232
1740	29+99.93	82.49'	82.50'	R232 & P226
1737	30+65.90	-62.53'	-62.50'	FC68 & R232
1741	30+66.01	82.51'	82.50'	FC68 & R232
1751	42+43.99	-62.61'	-62.50'	R232 & R074
1783	45+67.49	82.64'	82.50'	R054 & R060
1752	49+30.66	82.54'	82.50'	FC68
1753	49+30.66	-62.53'	-62.50'	FC68
1754	50+98.36	82.36'	82.50'	R232
1756	52+11.19	82.37'	82.50'	R232
1757	55+18.37	82.50'	82.50'	R232
1758	55+18.48	-62.54'	-62.50'	R232
1761	57+87.03	-62.38'	-62.31'	R232
1762	63+88.20	82.50'	82.50'	R232
1763	64+28.14	82.50'	82.50'	R232
1102	75+61.81	62.07'	62.00'	FC68
1115	83+78.56	-61.44'	-62.00'	FC68
1112	86+92.64	62.16'	62.00'	FC68
1116	87+91.18	-62.05'	-62.00'	FC68
1117	90+31.87	-61.98'	-62.00'	FC68
1841	94+22.13	-55.20'	-55.22'	P202
1787	100+40.95	-55.14'	-55.22'	P371
1998	105+67.72	-55.23'	-55.22'	P371
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1956	111+62.04	49.90'	50.00'	FC68
1979	126+05.62	50.00'	50.00'	T4409, T4649 & R153
1995	137+07.75	50.04'	50.00'	FC68
1330	137+50.32	0.00'	0.00'	CR 2018-2495
1943	137+50.80	-50.00'	-50.00'	CR 2018-2494
1040	137+92.39	50.04'	50.00'	FC68
1579	144+30.99	50.00'	50.00'	T4114, T4649, DC02
1050	160+61.69	-49.84'	-50.00'	P247
1060	161+65.99	-49.80'	-50.00'	P247
1068	163+56.22	48.98'	49.00'	T11870
1048	163+57.10	-49.93'	-50.00'	DCS A/6-11, 80



DETAIL FROM SHEET 14

NO.	DELTA	RADIUS	LENGTH	REC ANGLE	REC RADIUS	REC LENGTH	REF.
1	$\Delta=4^{\circ}05'49''$	R=2462.50'	L=176.08'	$\angle=4^{\circ}05'52''$	(R=2462.50')	(L=176.12')	(R232)
2	$\Delta=1^{\circ}46'50''$	R=2462.50'	L=76.53'	$\angle=1^{\circ}46'41''$	(R=2462.50')	(L=76.42')	(R232)
12	$\Delta=0^{\circ}22'35''$	R=2400.00'	L=15.77'	$\angle=0^{\circ}22'26''$	(R=2400.00')	(L=15.66')	(R232)

NO.	BEARING	DISTANCE	RECORD DISTANCE
5	N 89°30'58" W	19.55'	(19.62' R232)
13	N 35°32'55" E	13.92'	(13.36' R232)
14	N 35°32'55" E	162.60'	(162.65' R232)
15	N 44°56'32" W	16.22'	(16.29' R232)



SHEET NOTE:

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STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

CHECKS TO ADJOINER RECORD MONUMENTATION

C.L. TALBERT CHANNEL, D02
[SORTED BY POINT NUMBER]

MONUMENT NUMBER	C. L. STATION	MEASURED OUT	RECORD OUT	RECORD REFERENCE
1005	183+12.67	69.90'	70.00'	R124
1076	170+70.00	-204.97'	-205.00'	CR 2016-0374
1077	178+73.02	-204.98'	-205.00'	CR 2016-0371
1078	186+36.38	-199.97'	-200.00'	DCS A/6-10, 654-674
1079	194+63.77	-200.09'	-200.00'	DCS A/6-10, 654-674
1082	196+32.07	199.97'	200.00'	CR 2007-0020
1083	194+60.09	200.02'	200.00'	DCS A/6-10, 654-674
1084	184+05.90	199.86'	200.00'	DCS A/6-10, 654-674
1085	181+35.49	219.41'	219.43'	CR 2007-0546
1086	170+40.36	219.39'	219.28'	DCS A/6-10, 654-674
1091	59+44.22	-210.07'	-210.00'	T3903
1126	179+92.56	69.92'	70.00'	R124
1127	179+92.58	74.88'	75.00'	R124
1501	76+14.61	-210.77'	-210.76'	T3898
1503	71+02.59	-210.67'	-210.64'	T3898
1505	65+90.61	-210.60'	-210.53'	T3898
1506	78+69.90	-210.81'	-210.82'	T5251
1509	85+86.70	-210.91'	-210.98'	T5201
1514	78+71.09	210.87'	210.82'	T5661
1516	86+96.20	218.31'	218.30'	T5661
1519	76+11.01	210.58'	210.41'	T4992
1520	117+08.68	-74.64'	-75.00'	NO REF
1531	106+14.47	74.89'	75.00'	T13656
1532	108+38.54	74.86'	75.00'	T13656
1536	108+38.77	-74.65'	-75.00'	FC61
1567	115+02.11	213.96'	213.99'	T13656
1568	112+32.16	213.99'	214.01'	T13656
1569	109+62.18	213.98'	214.02'	T13656
1572	115+07.12	-210.22'	-210.27'	T12897
1573	112+37.10	-210.83'	-210.89'	T12897
1578	138+53.80	75.28'	75.00'	NO REF
1586	118+28.86	-198.35'	-198.00'	T6283
1587	120+83.89	-198.34'	-198.00'	T6283
1588	123+30.87	-145.31'	-145.00'	T6309
1589	125+76.85	-145.38'	-145.00'	T6309
1590	128+22.83	-140.95'	-141.00'	T6309
1591	128+45.86	-140.92'	-141.00'	T6309
1592	131+25.94	-140.93'	-141.00'	T6100
1593	134+21.97	-140.89'	-141.00'	T6100
1595	139+70.27	-201.04'	-201.00'	CR 2019-1786
1596	139+69.73	-190.03'	-190.00'	CR 2019-1786
1597	142+29.79	-190.00'	-190.00'	CR 2018-0737
1599	138+53.89	-201.09'	-201.00'	T6188
1600	118+84.97	200.66'	200.25'	T6954
1601	121+37.99	200.70'	200.32'	T6954
1602	123+92.07	200.81'	200.38'	T6954
1603	124+70.16	200.77'	200.40'	T6954
1604	126+43.09	200.87'	200.44'	T7266
1605	128+94.13	200.90'	200.51'	T7266
1606	131+47.41	200.92'	200.57'	T7266
1611	169+92.65	-74.96'	-75.00'	CR 2007-1794
1612	159+67.87	-75.00'	75.00'	NO REF
1613	169+32.69	-75.12'	-75.00'	NO REF
1614	169+93.04	-204.95'	-205.00'	CR 2007-1794
1615	161+03.60	-205.09'	-205.00'	T4284
1616	159+68.32	-205.06'	-205.00'	T4284
1619	169+92.11	208.35'	208.35'	CR 2007-1793
1620	160+97.26	208.32'	208.39'	CR 2007-2150
1623	150+97.59	199.45'	199.51'	T6322
1625	148+48.51	198.06'	198.01'	T6322
1626	145+06.23	197.55'	197.49'	T6322
1629	158+42.24	-205.02'	-205.00'	T5603
1630	155+92.26	-201.04'	-201.00'	T5603
1631	153+49.46	-201.00'	-201.00'	T5603
1632	150+99.18	-200.90'	-201.00'	T6188
1633	149+73.14	-200.96'	-201.00'	T6188
1634	145+18.11	-203.63'	-205.00'	T6188
1638	168+99.91	208.35'	208.35'	CR 2007-2151
1660	169+92.46	75.07'	75.00'	CR 2007-1793
1704	37+90.91	-90.01'	-90.00'	R232
1705	37+90.91	89.99'	90.00'	R232
1708	46+20.95	79.96'	80.00'	R232
1709	46+20.96	89.97'	90.00'	R232
1714	50+29.00	79.79'	80.00'	CR 2018-2902
1725	64+21.77	0.00'	0.00'	R232
1726	63+82.07	-79.99'	-80.00'	R232
1799	176+12.99	-205.09'	-205.00'	CR 2016-0372
1802	173+51.54	-205.00'	-205.00'	CR 2016-0373
1803	192+03.80	-200.05'	-200.00'	NO REF
1805	189+31.96	199.91'	200.00'	CR 2003-1109
1808	191+96.06	200.02'	200.00'	CR 2002-1027
1816	186+67.87	199.85'	200.00'	CR 2002-1026
1838	52+59.48	-130.24'	-130.00'	T3903
1890	59+79.16	209.89'	210.00'	T3903
1892	51+18.20	209.81'	210.00'	T3903
1893	64+21.04	209.93'	210.00'	CR 2018-0882
1910	39+07.76	215.91'	216.00'	T5664
1911	43+65.95	215.89'	216.00'	T5664
1912	45+65.26	215.84'	216.00'	T5664
1913	48+40.73	137.24'	137.43'	T5664
1914	55+87.22	-130.16'	-130.00'	T3903
1916	63+07.42	-210.05'	-210.00'	T3903
1917	64+22.61	-210.03'	-210.00'	T3903
2058	143+49.97	75.09'	75.00'	CR 2015-2535
4320	169+92.67	0.00'	0.00'	R124

CHECKS TO ADJOINER RECORD MONUMENTATION

C.L. TALBERT CHANNEL, D02
[SORTED BY C.L. STATION]

MONUMENT NUMBER	C. L. STATION	MEASURED OUT	RECORD OUT	RECORD REFERENCE
1705	37+90.91	89.99'	90.00'	R232
1704	37+90.91	-90.01'	-90.00'	R232
1910	39+07.76	215.91'	216.00'	T5664
1911	43+65.95	215.89'	216.00'	T5664
1912	45+65.26	215.84'	216.00'	T5664
1708	46+20.95	79.96'	80.00'	R232
1709	46+20.96	89.97'	90.00'	R232
1913	48+40.73	137.24'	137.43'	T5664
1714	50+29.00	79.79'	80.00'	CR 2018-2902
1892	51+18.20	209.81'	210.00'	T3903
1838	52+59.48	-130.24'	-130.00'	T3903
1914	55+87.22	-130.16'	-130.00'	T3903
1091	59+44.22	-210.07'	-210.00'	T3903
1890	59+79.16	209.89'	210.00'	T3903
1916	63+07.42	-210.05'	-210.00'	T3903
1726	63+82.07	-79.99'	-80.00'	R232
1893	64+21.04	209.93'	210.00'	CR 2018-0882
1725	64+21.77	0.00'	0.00'	R232
1917	64+22.61	-210.03'	-210.00'	T3903
1505	65+90.61	-210.60'	-210.53'	T3898
1503	71+02.59	-210.67'	-210.64'	T3898
1519	76+11.01	210.58'	210.41'	T4992
1501	76+14.61	-210.77'	-210.76'	T3898
1506	78+69.90	-210.81'	-210.82'	T5251
1514	78+71.09	210.87'	210.82'	T5661
1509	85+86.70	-210.91'	-210.98'	T5201
1516	86+96.20	218.31'	218.30'	T5661
1531	106+14.47	74.89'	75.00'	T13656
1532	108+38.54	74.86'	75.00'	T13656
1536	108+38.77	-74.65'	-75.00'	FC61
1569	109+62.18	213.98'	214.02'	T13656
1568	112+32.16	213.99'	214.01'	T13656
1573	112+37.10	-210.83'	-210.89'	T12897
1567	115+02.11	213.96'	213.99'	T13656
1572	115+07.12	-210.22'	-210.27'	T12897
1520	117+08.68	-74.64'	-75.00'	NO REF
1586	118+28.86	-198.35'	-198.00'	T6283
1600	118+84.97	200.66'	200.25'	T6954
1587	120+83.89	-198.34'	-198.00'	T6283
1601	121+37.99	200.70'	200.32'	T6954
1588	123+30.87	-145.31'	-145.00'	T6309
1602	123+92.07	200.81'	200.38'	T6954
1603	124+70.16	200.77'	200.40'	T6954
1589	125+76.85	-145.38'	-145.00'	T6309
1590	128+22.83	-140.95'	-141.00'	T6309
1591	128+45.86	-140.92'	-141.00'	T6309
1604	126+43.09	200.87'	200.44'	T7266
1605	128+94.13	200.90'	200.51'	T7266
1592	131+25.94	-140.93'	-141.00'	T6100
1606	131+47.41	200.92'	200.57'	T7266
1593	134+21.97	-140.89'	-141.00'	T6100
1578	138+53.80	75.28'	75.00'	NO REF
1599	138+53.89	-201.09'	-201.00'	T6188
1596	139+69.73	-190.03'	-190.00'	CR 2019-1786
1595	139+70.27	-201.04'	-201.00'	CR 2019-1786
1597	142+29.79	-190.00'	-190.00'	CR 2018-0737
2058	143+49.97	75.09'	75.00'	CR 2015-2535
1626	145+06.23	197.55'	197.49'	T6322
1634	145+18.11	-203.63'	-205.00'	T6188
1625	148+48.51	198.06'	198.01'	T6322
1633	149+73.14	-200.96'	-201.00'	T6188
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1632	150+99.18	-200.90'	-201.00'	T6188
1631	153+49.46	-201.00'	-201.00'	T5603
1630	155+92.26	-201.04'	-201.00'	T5603
1629	158+42.24	-205.02'	-205.00'	T5603
1612	159+67.87	-75.00'	75.00'	NO REF
1616	159+68.32	-205.06'	-205.00'	T4284
1620	160+97.26	208.32'	208.39'	CR 2007-2150
1615	161+03.60	-205.09'	-205.00'	T4284
1638	168+99.91	208.35'	208.35'	CR 2007-2151
1613	169+32.69	-75.12'	-75.00'	NO REF
1619	169+92.11	208.35'	208.35'	CR 2007-1793
1660	169+92.46	75.07'	75.00'	CR 2007-1793
1611	169+92.65	-74.96'	-75.00'	CR 2007-1794
4320	169+92.67	0.00'	0.00'	R124
1614	169+93.04	-204.95'	-205.00'	CR 2007-1794
1086	170+40.36	219.39'	219.28'	DCS A/6-10, 654-674
1076	170+70.00	-204.97'	-205.00'	CR 2016-0374
1802	173+51.54	-205.00'	-205.00'	CR 2016-0373
1799	176+12.99	-205.09'	-205.00'	CR 2016-0372
1077	178+73.02	-204.98'	-205.00'	CR 2016-0371
1126	179+92.56	69.92'	70.00'	R124
1127	179+92.58	74.88'	75.00'	R124
1085	181+35.49	219.41'	219.43'	CR 2007-0546
1005	183+12.67	69.90'	70.00'	R124
1084	184+05.90	199.86'	200.00'	DCS A/6-10, 654-674
1078	186+36.38	-199.97'	-200.00'	DCS A/6-10, 654-674
1816	186+67.87	199.85'	200.00'	CR 2002-1026
1805	189+31.96	199.91'	200.00'	CR 2003-1109
1808	191+96.06	200.02'	200.00'	CR 2002-1027
1803	192+03.80	-200.05'	-200.00'	NO REF
1083	194+60.09	200.02'	200.00'	DCS A/6-10, 654-674
1079	194+63.77	-200.09'	-200.00'	DCS A/6-10, 654-674
1082	196+32.07	199.97'	200.00'	CR 2007-0020

SHEET NOTE:

SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL
CONTROL & SHEET INDEX.
SHEET 2 FOR STATEMENT OF PURPOSE, DATUM
STATEMENT, BASIS OF BEARINGS,
MONUMENT SYMBOLS, RECORD REFERENCES
LIST AND REFERENCE ABBREVIATIONS USED.
SHEETS 3-21 FOR 1"=100' SCALE MAP SHEETS
SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT
SUBDIVISION STREET MONUMENTS.
SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

BOUNDARY NARRATIVE #1

THE UNDERLYING CADASTRAL BOUNDARY CONTROL
IN THIS AREA:

THIS AREA OF THE STEARNS' RANCHO LAS BOLSAS WAS SUBDIVIDED INTO "SQUARE MILE LOTS" NUMBERED AS IF THEY WERE GOVERNMENT SECTIONS BY CHARLES T. HEALEY, CA LS #1, BY A MAP FILED MAY 8, 1953, IN MISCELLANEOUS MAPS, BOOK 51, PAGE 14, RECORDS OF ORANGE COUNTY, WHICH IS ONE SHEET OF A SET OF 8 SHEETS FILED IN MM 51/7-14. THESE MM 51 SERIES MAPS OF HEALEY'S WERE RECORDED FOR PUBLIC USE BY ORANGE COUNTY TITLE CO. IN 1953, BUT THE SURVEYS WERE ACCOMPLISHED MANY YEARS PRIOR. THE ONLY THING WHICH MIGHT REPRESENT A SURVEY DATE SHOWN ON THE MAPS IS "APR 10, '04" SHOWN ON SHEETS MM 51/8 AND MM 51/9.

HEALEY'S MAPS DO NOT SHOW THE MONUMENTS HE SET, BUT WE HAVE FOUND REFERENCES IN LATER SURVEYS PERFORMED BY S. H. FINLEY (NOTES ON FILE AT THE ORANGE COUNTY SURVEYOR'S OFFICE), WHICH SHOW FINDING POSTS MARKED WITH HEALEY'S "MARK", WHICH WAS HIS THREE INITIALS ALL SCRIBED ON TOP OF EACH OTHER. A DRAWING OF HEALEY'S "MARK" CAN BE SEEN AT THE UPPER CENTER OF MM 51, PAGES 8 AND 9, ABOVE THE "Apr. 10, '04" DATE.

THE OCFCD RIGHT OF WAY MAPS FOR THE TWO CHANNELS WHICH ARE THE SUBJECT OF THIS SURVEY INDICATE THAT MOST OF THE DEED DESCRIPTIONS WERE PREPARED IN 1957, AND THE R/W ACQUIRED BY ABOUT 1961. MOST OF THE OCFCD DEEDS FROM THAT ERA CALL FOR LOCATING THE ACQUIRED R/W BY REFERENCE TO THE MAJOR INTERSECTIONS, SECTION LINES AND 1/4 SECTION LINES AS "SHOWN IN COUNTY SURVEYOR'S TRANSIT BOOK XXX/XX, ON FILE IN THE OFFICE OF THE COUNTY SURVEYOR OF ORANGE COUNTY ON AUGUST 31, 1957".

THE COUNTY SURVEYOR'S OFFICE HAD CONDUCTED A HALF MILE GRID SURVEY ALONG THE SECTION AND 1/4 SECTION LINES STARTING IN 1939 AND RUNNING INTO MID 1941. BY THAT TIME, THEY DID NOT FIND ANYTHING THAT COULD TIE DIRECTLY BACK TO THE 1904± SURVEYS OF HEALEY. THE SURVEY DATA IN THOSE CSTB BOOKS FROM THE 1940 SURVEYS MATCH THE DATA CALLED FOR IN THE OCFCD DEEDS WRITTEN IN 1957. WE HAVE COMPUTED A GRID BASED ON THESE 1940'S DISTANCES AND ANGLES, AND FIND THAT THEY CLOSE EXTREMELY WELL FOR SURVEYS OF THAT ERA.

HOWEVER, BY 1961, WHEN THIS AREA BEGAN TO BE DEVELOPED, THE SUBDIVISION SURVEYOR'S WERE FINDING VERY FEW MONUMENTS WHICH COULD BE DIRECTLY TRACED BACK TO THE 1940 ERA CSTB SURVEY'S PRECISE MONUMENT LOCATIONS.

THE EARLY 1960'S SURVEYORS AND ENGINEERS USED WHAT THEY FOUND IN THE STREET INTERSECTIONS, ACCEPTED WHATEVER WAS THERE AS CONTROLLING SECTION AND QUARTER CORNERS AND LAID OUT THEIR SUBDIVISIONS, MANY OF WHICH BACKED UP TO "SENIOR" DEEDED OCFCD R/W.

TODAY, WHEN WE COMPARE THE DISTANCES MEASURED BY THE COUNTY IN THE 1939-1941 SURVEYS, WE FIND AS MUCH AS 0.87 FOOT DIFFERENCE IN THE HALF MILE DISTANCES BETWEEN THE MONUMENTS NOW IN PLACE. SEE COMPILATION 1940 ERA TO 2020 DISTANCES BELOW. THIS MAKES POSITIONING THE DEEDED R/W TO FIT BETWEEN THE 1960'S SUBDIVISIONS "CHALLENGING" TO SAY THE LEAST.

HOWEVER, LUCKILY, IT APPEARS THAT MOST OF THE CHANGE IN LOCATION OF MONUMENTS MUST HAVE HAPPENED BEFORE THE 1960± BEGINNING OF THE HOUSING DEVELOPMENT IN THE AREA. THE SUBDIVIDER'S SURVEYORS POSITIONED THEIR LINES BASED ON THE OCFCD DEEDS WHICH CALLED FOR A PROPORTIONAL TYPE OF CONTROL ALONG THE SECTION AND QUARTER SECTION LINES. WE HAVE USED THAT SAME PROCESS WITH THE CURRENT SURVEY, PLUS WE HAVE TIED IN OVER 140 MONUMENTS WITHIN THE ADJOINING SUBDIVISIONS TO ALLOW US TO CHECK OUR SURVEY AGAINST THE 1960'S SUBDIVISIONS TO ASSURE A REASONABLE FIT.

ARE WE PRECISELY WHERE THE DEEDS CALL FOR THE LINES TO BE? NO ONE KNOWS BECAUSE THE MONUMENTATION THAT WAS USED AS DEED CONTROL, WAS NOT THERE TO BE USED BY THE TIME THE SURVEYORS NEEDED THEM AND WE WILL NEVER KNOW FOR SURE - BUT WE HAVE DONE EVERYTHING WE CAN AT THIS TIME IN HISTORY TO ASSURE THAT WE HAVE THE LINES IN A LOCATION THAT IS FAIR AND EQUITABLE TO BOTH THE OCFCD, AND THE ADJOINING OWNERS.

BOUNDARY NARRATIVE #2:

OCFCD TALBERT CHANNEL, D02, FROM C.L. BROOKHURST STREET TO C.L. BANNING AVENUE WITHIN THE NW 1/4, S19, T6S, R10W, MM 51/14:

[SIDE NOTE: SEE THE DISCUSSION OF THE MM 51 SERIES MAPS IN BOUNDARY NARRATIVE #3 BELOW. LIKE SECTION 24, IN THAT NOTE, SECTION 19 DOES NOT ACTUALLY APPEAR ON THE RECORDED MM 51 SERIES MAPS. THIS FRACTIONAL SECTION SEEMS TO HAVE BEEN "PROJECTED", PROBABLY IN 1935 BY GEORGE BATES, LS 485, AS SHOWN ON R006.]

THIS REACH OF D02 WAS RE-ESTABLISHED ESSENTIALLY IN THE FOOTSTEPS OF R232. WE HELD THE SAME RECORD DISTANCE ALONG THE CENTERLINE OF BROOKHURST STREET FROM ITS INTERSECTION WITH C.L. BUSHARD STREET ON THE SOUTH, AND FOUND AND HELD THE MONUMENT SET BY R232 TO MARK THE C.L. INTERSECTION OF D02 WITH THE C.L. OF BANNING AVENUE. WE ALSO FOUND SEVERAL MONUMENTS SET BY R232 AND ALL FIT WITHIN REASON.

WE DID LOCATE AND POSITION EXISTING RIGHT OF WAY MONUMENTATION AS WELL AS MONUMENTS OF ADJOINING SUBDIVISION STREETS, BOTH EASTERLY AND WESTERLY OF THE CHANNEL AND REVIEWED THE FIT OF THE C.L. CHANNEL TO THE COMPUTED RECORD DISTANCES PERPENDICULARLY OR RADIALY FROM THE CHANNEL C.L. TO ASSURE A REASONABLE FIT TO THE ADJOINER PROPERTIES. SEE SHEETS 27 & 28 FOR COMPARISON OF MEASURED VS. RECORD "OUTS" FROM C.L. CHANNEL TO ADJOINER SUBDIVISION MONUMENTATION AND RECORD R/W MONUMENTATION.

BOUNDARY NARRATIVE #3:

OCFCD SOUTHWESTERLY BOUNDARY WITHIN THE NE 1/4 S24, T6S, R11W, MM 51/14 [SOUTH OF BANNING AVE. & WEST OF MAGNOLIA STREET]:

[SIDE NOTE - REVIEW OF THE CREATING MAP, MM 51/14, SHOWS NO SECTION 24/6/11. IT APPEARS THAT FRACTIONAL SECTION MUST HAVE BEEN "PROJECTED" BY OTHERS AT SOME POINT UNKNOWN. IN OUR RESEARCH FOR THIS PROJECT, WE SEE THAT SECTION MENTIONED AS EARLY AS 1935 ON R006 BY GEORGE BATES, LS 485.]

SOME TROUBLE DETERMINING A LOGICAL LOCATION FOR THE SOUTHWESTERLY LINE OF THE OCFCD PROPERTY FROM POINT 1728, NORTHWESTERLY TO THE WESTERLY END OF THE NORTH LINE OF SECTION 24, T6S, R11W, AS THAT SECTION IS SHOWN ON R006.

THE LAST SURVEY THROUGH THE AREA, R232, HAS SOME PROBLEMS WITH ITS REPORTING. WE FIND TWO MONUMENTS AT THE FIRST ANGLE POINT NORTHWEST OF THE SECTION LINE [POINTS 2729 & 1729], WHERE THAT 2005 SURVEY FOUND NONE. ONE IS A MONUMENT SET BY OCS TO MARK THE CORNER AS SHOWN ON R232, AND IS CLOSE TO OUR FINAL LINE LOCATION, BUT 0.26' NORTHWEST OF THE ANGLE POINT AS SHOWN ON THE R232 MAP. HOWEVER, AT THAT LOCATION, WE ALSO FIND THE REMAINS OF A 3" PIPE, WHICH FITS THE RECORD ANGLE OFF THE EAST LINE OF SECTION 24, AND THE RECORD DISTANCE PER 1935'S R006 FROM POINT #1728, BUT IS N14°W 1.02' FROM THE ANGLE POINT PER R232. THIS LATTER PIPE APPEARS TO BE THE BASE OF ONE OF THE MONUMENTS SET IN 1955 BY R029 TO REPLACE AN EARLIER MONUMENT SET BY R006 IN 1935. THE LOCATION OF THIS 3 INCH PIPE FITS THAT 1935 RECORD WELL, AND IS DIFFICULT FOR US TO IGNORE, HOWEVER IT DOES NOT FIT THE MORE RECENT RECORDS IN THIS AREA.

AT THE SECOND ANGLE POINT NORTHWESTERLY FROM THE SECTION LINE [#1730 AREA] R232 INDICATES FINDING A RUSTED OFF 3" I.P. THAT MAP SHOWS A MONUMENT SYMBOL THAT INDICATES "FOUND NOTHING, SET NEW MONUMENT". AFTER TWO SEARCHES, WE DO NOT FIND THE REPORTED 3" I.P., BUT WE DO FIND A MONUMENT WITH A COUNTY TAG, WHICH IS 1.74 FEET SOUTHWEST OF THE ANGLE POINT AS SHOWN ON THE R232 MAP.

AT THE THIRD ANGLE POINT NORTHWEST OF THE SECTION LINE [1743 AREA], WE FIND A 3 INCH RUSTED OFF IRON PIPE WHICH WAS HELD BY R232, AND REPORTED TO BE AT "GROUND LEVEL". THE TOP OF THE 3" I.P. WE FIND IS 1.1' BELOW THE CURRENT SURFACE. ASSUMING THIS WAS THE SAME MONUMENT REPORTED BY R232, WE UNSUCCESSFULLY ATTEMPTED TO FIT THE 2005 R232 DATA, THE 1961 T3903 DATA, AND THE 1999 R176 DATA BETWEEN THE 1935 POINT #1728 AT THE SECTION LINE, AND THIS 3" I.P., #1743, FINDING NOTHING THAT WORKED WELL.

WITH SOME COMPUTATIONS USING THE OTHER MONUMENTS SHOWN ON R232 IN THE AREA NEAR MONUMENT #1743, WE FINALLY DETERMINED THAT MONUMENT #1743 IS NOW OCCUPYING A LOCATION THAT IS ABOUT 0.7' NORTH OF WHERE IT WAS FOUND AND USED BY R232 IN 2005. ALSO, SINCE WE FIND IT 1.1' DEEPER THAN IT WAS IN 2005, WE SUSPECT THAT THE TOP OF THIS PIPE HAS BEEN "GRADED OFF" AT SOME POINT, AND THE BASE, IN THIS SOFT MUD FLAT AREA HAS BEEN PHYSICALLY MOVED SINCE 2005.

R232 INDICATES "FOUND NOTHING, SET NOTHING" AT THE WEST END OF THE COMMON LINE BETWEEN SECTIONS 24 & 13, T6S, R11W, MM 51/14 [1742 AREA]. R006, IN 1935, SHOWS SETTING AN AXLE WITH HIS "LS 485" CAP AT THIS LOCATION, AND SINCE WE HAD FOUND HIS SAME AGE AND TYPE MONUMENT IN GOOD SHAPE THREE COURSES SOUTHEASTERLY AT #1728, WE FELT A GOOD LOOK WAS IN ORDER. OUR FIELD CREW DID FIND THIS MONUMENT 1.0' DEEP, BUT IT WAS LEANING TO THE NORTHWEST. THEY DUG TO THE BOTTOM AND PLUMBED THE MONUMENT VERTICAL FROM ITS BOTTOM. UNFORTUNATELY, THE POSITION OF THE STRAIGHTENED MONUMENT STILL CANNOT BE RATIONALLY RELATED TO THE SECTIONAL CONTROL POINT BY ABOUT 1.5 FEET. SO, LIKE MONUMENT #1743, DISCUSSED JUST ABOVE, WHICH IS JUST 62 FEET TO THE NORTHWEST, WE BELIEVE THIS MONUMENT WAS ALSO HIT BY SOME TYPE OF MACHINERY AND PHYSICALLY MOVED FROM ITS ORIGINAL POSITION SINCE 2005.

IN THE END, WE HELD THE MONUMENT AT THE NORTHEAST CORNER OF SECTION 24 AS SHOWN ON R232 [#1001], AND A MONUMENT SHOWN ON R232 AND T3903, 564 FEET WESTERLY ALONG THE SECTION LINE [#1740], AS CONTROL FOR THE NORTH LINE OF SECTION 24. WE THEN HELD THE RECORD DISTANCE OF 994.69' PER T3903 ALONG THE SECTION LINE FROM THE NORTHEAST SECTION CORNER TO SET THE WESTERLY END OF THAT FRACTIONAL SECTION LINE.

(BOUNDARY NARRATIVE #3 CONTINUED ON SHEET 31)

DIFFERENCES IN MEASURED DISTANCES, 1939-1941 CSTB SURVEYS TO CURRENT						
EAST- WEST STREETS (WEST TO EAST): (MEASUREMENTS IN FEET)						
STREET	FROM	TO	CSTB (BK/PGS,YR)	1940 ERA	2020	1940 ERA TO 2020
YORKTOWN	MAGNOLIA	BUSHARD	136/11-12, 1941	2643.60	2643.89	0.29
ADAMS	BEACH	NEWLAND	129/20-22, 1939	2645.05	2645.38	0.33
	NEWLAND	MAGNOLIA	129/20-22, 1939	2645.05	2645.18	0.13
	MAGNOLIA	BUSHARD	129/20-22, 1939	2642.75	2643.05	0.30
INDIANAPOLIS	BEACH	NEWLAND	129/23-24, 1939	2646.88	2647.13	0.25
	NEWLAND	MAGNOLIA	129/23-24, 1939	2643.10	2643.1	0.00
	MAGNOLIA	BUSHARD	136/8, 1940	2642.70	2643.17	0.47
ATLANTA	BEACH	NEWLAND	129/25-27, 1939	2641.16	2642.03	0.87
	NEWLAND	MAGNOLIA	129/25-27, 1939	2641.15	2640.88	-0.27
	MAGNOLIA	BUSHARD	129/25-27, 1939	2642.89	2642.95	0.06
HAMILTON	BEACH	NEWLAND	136/9-10, 1940	2641.40	2641.62	0.22
	NEWLAND	MAGNOLIA	136/9-10, 1940	2640.58	2640.81	0.23
	MAGNOLIA	BUSHARD	136/9-10, 1940	2642.30	2642.43	0.13
TOTALS				34361.62	3.01	
NORTH-SOUTH STREETS (SOUTH TO NORTH): (MEASUREMENTS IN FEET)						
STREET	FROM	TO	CSTB (BK/PGS,YR)	1940 ERA	2020	1940 ERA TO 2020
BEACH	HAMILTON	ATLANTA	129/41-46, 1939	2640.00	2640.04	0.04
	ATLANTA	INDIANAPOLIS	129/41-46, 1939	2660.16	2659.80	-0.36
	INDIANAPOLIS	ADAMS	129/41-46, 1939	2642.77	2642.41	-0.36
NEWLAND	HAMILTON	ATLANTA	129/47-48, 1939	2640.00	2639.80	-0.20
	ATLANTA	INDIANAPOLIS	136/13-15, 1941	2650.82	2651.00	0.18
	INDIANAPOLIS	ADAMS	136/13-15, 1941	2642.68	2642.49	-0.19
MAGNOLIA	BANNING	HAMILTON	129/51-56, 1939	2638.63	2639.05	0.42
	HAMILTON	ATLANTA	129/51-56, 1939	2638.63	2639.13	0.50
	ATLANTA	INDIANAPOLIS	129/51-56, 1939	2641.55	2640.78	-0.77
	INDIANAPOLIS	ADAMS	129/51-56, 1939	2643.00	2643.28	0.28
	ADAMS	YORKTOWN	129/51-56, 1939	2641.24	2641.03	-0.21
BUSHARD	BANNING	HAMILTON	129/57-63, 1939	2640.21	2640.54	0.33
	HAMILTON	ATLANTA	129/57-63, 1939	2639.77	2639.68	-0.09
	ATLANTA	INDIANAPOLIS	129/57-63, 1939	2642.61	2642.49	-0.12
	INDIANAPOLIS	ADAMS	129/57-63, 1939	2641.66	2641.75	0.09
	ADAMS	YORKTOWN	129/57-63, 1939	2639.80	2639.44	-0.36
TOTALS				42282.71	-0.82	

SHEET NOTE:

- SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
- SHEET 2 FOR STATEMENT OF PURPOSE, DATUM STATEMENT, BASIS OF BEARINGS, MONUMENT SYMBOLS, RECORD REFERENCES LIST AND REFERENCE ABBREVIATIONS USED.
- SHEETS 3-21 FOR 1"=100' SCALE MAP SHEETS
- SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
- SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
- SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS

RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

BOUNDARY NARRATIVE #3 (CONTINUED FROM SHEET 30):

WE DETERMINED THAT MONUMENT #1743 WAS NOT IN ITS 2005 LOCATION, THUS COULD NOT BE USED FOR CONTROL FOR OUR SOUTHWEST LINE. HOWEVER, WE DID NOW HAVE A GOOD POSITION FOR THE WEST END OF THE SECTION LINE TO CLOSE IN TO FROM THE SOUTHEAST. WE FOUND THAT THE 1961 T3903, AND THE 1999 R176, AND THE 2005 OCS R232, ALL GENERALLY MATCHED EACH OTHER. WE USED THE MOST RECENT, 2005 R232'S DATA, AND ADJUSTED THAT DATA, USING THE GRANT BOUNDARY METHOD, BETWEEN MONUMENT #1728, THE LAST OF THE IDENTIFIABLE, AND APPARENTLY UNDISTURBED, 1935 R006 MONUMENTS, AND OUR POSITION FOR THE WEST END OF THE NORTH LINE OF SECTION 24, ESTABLISHED AS DESCRIBED ABOVE [#3742].

WE BELIEVE THIS PUTS THE LINE WHERE THE LAST THREE SURVEYS SAID IT WAS, REGARDLESS OF THE FACT THAT SOME OF THE MONUMENT RELATIONSHIPS FROM R232 MIGHT APPEAR TO INDICATE OTHERWISE.

BOUNDARY NARRATIVE #4:

CURVE IN C.L. BUSHARD STREET JUST NORTHWEST
OF BROOKHURST STREET:

AFTER SEVERAL UNSUCCESSFUL ATTEMPTS TO FIT THE RECORD C.L. CURVE OF BUSHARD TO THE FOUND E.C. AND B.C. MONUMENTATION, IN THE END, WE HELD THE RECORD CURVE RADIUS AND CENTRAL ANGLE PER R232 BETWEEN THE 1657' TANGENT NORTHERLY AND THE INTERSECTION MONUMENT AT BUSHARD AND BROOKHURST. SEE MONUMENT DESCRIPTIONS FOR POINT #1775 AND #1831 FOR RESULTS AT THE B.C AND E.C.

BOUNDARY NARRATIVE #5:

ALIGNMENT OF HUNTINGTON BEACH CHANNEL, D01,
STATION 0+00 TO STATION 49+30.28

THIS REACH OF THE D01 IS DESCRIBED IN A SERIES OF DEEDS, ALL USING THE SAME DESCRIPTION. THAT DESCRIPTION DESCRIBES THE CENTERLINE AS BEGINNING AT A POINT ON THE NORTH LINE OF SECTION 19/6/10 [C.L. BANNING AVENUE], WHICH IS PROPORTIONED BETWEEN MAGNOLIA AND BUSHARD, AS SHOWN ON THE CSTB RECORDS ON FILE WITH OCS AS OF AUGUST 1, 1958 [WHICH MONUMENTATION, AS DISCUSSED IN BOUNDARY NARRATIVE #1 ON SHEET 29, WAS VERY PROBABLY NO LONGER IN PLACE IN 1958, AND CERTAINLY WAS NOT FOUND BY THE SUBDIVISION SURVEYORS OF THE EARLY 1960'S. THENCE FROM THAT SOMEWHAT UNKNOWN LOCATION, PROCEEDS SOUTHERLY THROUGH ONE SHORT TANGENT, THEN THROUGH CURVES, INCLUDING A SET OF REVERSE CURVES, AND THREE SHORT TANGENTS 8300 FEET [1.6 MILES] TO A TIE-IN AT THE EAST LINE OF THE SW 1/4 S13/6/11, [C.L. NEWLAND AVENUE]. FITTING THIS REACH, AS DESCRIBED IN THE DEEDS, TO THE MONUMENTATION ON THE GROUND TODAY IS A SUPREME TEST.

WE HAVE THE 2005 R232 BY OCS TO BE USED AS GUIDE FOR THE FIRST TANGENT AND FIRST CURVE ALONG D02, AS DISCUSSED ON SHEET 29 IN BOUNDARY NARRATIVE #2. THAT SURVEY ALSO LOCATED THE C.L. OF D01 FROM THE CONFLUENCE WITH D02 TO NEWLAND. WE HAVE USED THAT MAP AND SURVEY AS A GUIDE, IN THIS AREA, WITH SOME DIFFERENCE AT THE 375 FOOT RADIUS CURVE 910± EAST OF NEWLAND. WE ALSO HAVE A 1968 SURVEY [FC68] OF ALL OF D01 BY THE OCFCD SURVEY DEPARTMENT, WHICH MONUMENTED EVERY B.C., E.C., AND ANGLE POINT IN THE RIGHT OF WAY FROM D02 TO ADAMS AVENUE. MANY OF THE MONUMENTS SET BY THIS SURVEY 52 YEARS AGO, NO LONGER EXIST. BUT THE REMAINING MONUMENTS WE DO FIND FROM THIS SURVEY SEEM TO FIT TOGETHER EXTREMELY WELL. A GOOD SURVEY BY A GOOD CREW. UNFORTUNATELY, THE NOTES ONLY SHOW THE MONUMENTS, AND DATA (ALL RECORD FROM THE OCFCD R/W MAPS) BETWEEN THE MONUMENTS – THEY DO NOT SHOW HOW THEY DETERMINED THE LOCATIONS RELATIVE TO THE LAND GRID IN THE AREA, OR THE ACTUAL CREATING DEED DESCRIPTIONS.

IN THE END, WE HAVE USED THE 2005 R232 AND THE 1968 FC68 AS GUIDES, AND HELD THEIR MONUMENTS AS CLOSELY AS POSSIBLE.

AS TO THE 375' RADIUS CURVE MENTIONED ABOVE, FC68 FOUND A MONUMENT SET BY D.D. HILLYARD AT THE B.C. OF THE WESTERLY R/W LINE AT THIS LOCATION AND INDICATES IT TO BE "ON" [WE HAVE NOT FOUND A RECORD MAP SHOWING SETTING THIS SPECIFIC MONUMENT BUT WE DO SEE SURVEYS BY D.D. HILLYARD FOR THE EDISON COMPANY IN THIS AREA]. THE FC68 SURVEY HELD THAT HILLYARD MONUMENT AS THE PRC OF THE WESTERLY R/W AND THEY SET AN OCFCD R/W MONUMENT ON THE EASTERLY R/W LINE AT THIS SAME PRC. R232 FINDS BOTH OF THESE MONUMENTS AND CALLS THEM OFF. WE FIND THAT WITH A LITTLE HELP FROM LEAST SQUARES, WE CAN FIT ALL THOSE ABOVE MENTIONED CURVES AND TANGENTS TOGETHER REASONABLY WELL AND HOLD THOSE TWO MONUMENTS THAT HAVE BEEN THERE FOR 52+ YEARS FOR THE PRC OF THE 2400' AND 375± RADIUS CURVES. THE DEED DESCRIPTIONS CALL THE 375' RADIUS CURVE TO BE 375.19'. THAT IS THE ONLY C.L. CURVE IN THIS WHOLE SURVEY FOR WHICH THE DEEDS HAD NOT ORIGINALLY CALLED FOR AN EVEN FOOT RADIUS – WHY – BECAUSE THAT IS WHERE THE AUTHOR OF THE DEEDS PUT THE ERROR IN THE WHOLE SYSTEM – SO, WE HAVE FOLLOWED THAT LEAD, AND COMPUTED A CURVE TO FIT FROM A C.L. PRC AT THE SPLIT OF MONUMENTS #1753 AND #1752, TO THE C.L. OF D01 RUNNING WESTERLY TO NEWLAND STREET AS WE HAVE DETERMINED FROM THE MONUMENTS SET BY OCS ON THE 2005 R232. OUR COMPUTED RADIUS TO FIT THE FOUND EXISTING MONUMENTATION HAS A RADIUS OF 375.07' INSTEAD OF THE RECORD DEED AND R232 RADIUS OF 375.19'.

WE DID LOCATE AND POSITION EXISTING RIGHT OF WAY MONUMENTATION AS WELL AS C.L. MONUMENTS OF SUBDIVISION STREETS NORTHEASTERLY OF THE CHANNEL AND REVIEWED THE FIT OF THE C.L. CHANNEL TO THE COMPUTED RECORD DISTANCES PERPENDICULARLY OR RADially FROM THE CHANNEL C.L. TO ASSURE A REASONABLE FIT TO THE ADJOINER PROPERTIES. SEE SATION & OUT SHEET #27 FOR COMPARISON OF MEASURED VS. RECORD "OUTS" FROM C.L. CHANNEL TO ADJOINER SUBDIVISION MONUMENTATION AND RECORD R/W MONUMENTATION.

BOUNDARY NARRATIVE #6:

HUNTINGTON BEACH CHANNEL D01 - STATION 64+27.40 TO STATION 91+21.14,
WITHIN THE SW 1/4, FRACTIONAL SECTION 13, AND THE S 1/2 OF THE SW 1/4,
NW 1/4, S13, ALL IN T6S, R11W, MM 51/14 [NEWLAND STREET TO 1980' SOUTH
OF ATLANTA AVENUE]:

THE PORTIONS OF D01 WEST OF NEWLAND STREET, AND NORTHWEST TO THE NORTH LINE OF THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF SECTION 13, T6S, R11W, MM 51/14, HAVE NO RECORD ADJOINING SURVEYS. TO LOCATE THE CENTERLINE AND SIDELINES OF D01 IN THIS AREA, WE HAVE EVALUATED THOSE MONUMENTS FROM FC68, WHICH ARE STILL REMAINING, USING A LEAST SQUARES PROCESS, HOLDING THEM ALL CLOSELY, WITH THE EXCEPTION OF MONUMENT #1115, WHICH DOES NOT FIT THE REST OF THE SET BY ABOUT 1/2 FOOT.

WE ALSO FOUND TWO MONUMENTS SET BY STEVE BRADFORD, LS 2477, FOR WHICH WE CAN FIND NO RECORD. ONE OF THEM, #1108, FITS THE FC68 MONUMENTS AND THE DEED DESCRIPTION WELL, AND THE OTHER, #1107, NOT SO WELL, SO THE FIRST WAS ACCEPTED AS CONTROL AND THE LATTER SHOWN 'OFF'.

(BOUNDARY NARRATIVE #6 CONTINUED AT UPPER RIGHT)

BOUNDARY NARRATIVE #6 (CONTINUED FROM LOWER LEFT):

A PORTION OF THIS SECTION OF D01 R/W IS NOT CONCENTRIC WITH THE CENTERLINE. WE DID FIND TWO 52 YEAR OLD OCFCD MONS PER FC68 SET FOR THE ENDS OF THIS LINE. O.R. 7857/861, RECORDED MARCH 3, 1966, SAYS THIS LINE IS TO BE 1759.00' WEST OF AND PARALLEL WITH THE EAST LINE OF THE NORTHWEST QUARTER OF SECTION 13, T6S, R11W, MM 51/14, WHICH SHOULD BE THE C.L. OF NEWLAND STREET [IN 1966]. NEWLAND STREET IS SOMEWHAT DISTANT, AT 1759', BUT MOSTLY BECAUSE THE ACTUAL 1966 LOCATION OF THE C.L. REFERENCED CANNOT BE RELIABLY LOCATED AT THIS TIME DUE TO C.L. MONUMENT PRESERVATION UNKNOWNNS. MONUMENT #1111 COMPUTES TO BE 1759.17' AND MONUMENT 1112 COMPUTES TO BE 1759.10' FROM TODAY'S LOCATION OF THE C.L. NEWLAND ST. BOTH OF THESE MONUMENTS WERE SET BY OCFCD IN FC68, SO OCFCD SHOULD BE HAPPY, AND THERE SHOULD BE NO OVERLAP OR CONFLICT WITH ANY ADJOINERS.

MONUMENTS ARE 336.33' APART, 336.56' INCLUDING EXTENSION TO THE 1/4 1/4 LINE. RECORD PER SAID DEED, OCFCD R/W MAP D01-2 AND FC68 IS 336.50'.

BOUNDARY NARRATIVE #7:

HUNTINGTON BEACH CHANNEL D01 - STATION 91+21.14
TO STATION 111+12.42 [C.L. ATLANTA], WITHIN THE
NW 1/4, FRACTIONAL SECTION 13, T6S, R11W, MM 51/14
[1980' SOUTH OF ATLANTA AVENUE NORTH TO C.L.
ATLANTA AVENUE]:

THE NORTHERLY 1690.61' OF THE WESTERLY RIGHT OF WAY IN THIS REACH IS DESCRIBED IN O.R. 7983/518 AS BEING A LINE PARALLEL WITH AND 489.56' EAST OF THE WEST LINE OF SECTION 13, T6S, R11W, MM 51/14, FROM A POINT ON THE NORTH LINE OF SAID SECTION 13 TO A POINT 1690.61 FEET SOUTHERLY. WE FIND A MONUMENT PER P202 AT THE APPROPRIATE DISTANCE FROM THE WEST LINE, AND 1690.57' FROM C.L. ATLANTA, AND ACCEPT THAT MONUMENT AS MARKING THE B.C. OF THE CURVE SERIES CALLED OUT BY THE DEED RUNNING SOUTHERLY TO THE 1/4 1/4 LINE. WE ALSO FIND ADDITIONAL MONUMENTS FROM THE SAME PARCEL MAP NEAR THE NEXT THREE CURVE ENDS RUNNING SOUTHERLY TO THE 1/4 1/4 LINE, BUT THEY DO NOT FIT LIKE THE FIRST ONE DID, SO WE ARE HOLDING THE DEED DESCRIBED CURVES SOUTH OF MONUMENT #1841 AND CALLING THE FOUND MONUMENTS "OFF" SLIGHTLY.

THE NORTHERLY 1790'± OF THE EASTERLY R/W IN THIS REACH IS DESCRIBED AS BEING A LINE PARALLEL WITH AND 600.00' EAST OF THE WEST LINE OF SECTION 13, T6S, R11W, MM 51/14.

NO CENTERLINE IS DESCRIBED IN THE CREATING DEED, O.R. 7983-518, BUT THE OCFCD R/W MAP D01-2 DOES GRAPHICALLY SHOW A CENTERLINE AT THE SPLIT OF THE TWO SIDELINES, 55.22' ON EACH SIDE, FROM THE CENTERLINE OF ATLANTA AVENUE, SOUTHERLY ABOUT 1791'±. FROM THAT POINT SOUTHERLY TO THE SOUTH LINE OF THE N 1/2, SW 1/4, NW 1/4, SECTION 13/6/11, THE TWO SIDE LINES ARE NOT RELATIVE TO ANY C.L.. A NORTHERLY EXTENSION OF THE C.L. OF D01, ESTABLISHED RELATIVE FC68 MONUMENTATION SOUTH OF THE SOUTH LINE OF THE N 1/2, SW 1/4, NW 1/4, OF SAID SECTION 13 MISSES THE 1791' C.L. RUNNING SOUTH FROM ATLANTA BY ABOUT 0.36'. ALTHOUGH NOT IN THE DEED, OCFCD R/W MAP D01-2 SHOWS A CURVE OF RADIUS 350' STARTING AT A POINT ON THE "SPLIT" C.L. 1790.32' SOUTH OF THE C.L. ATLANTA, AND ALSO INDICATES THAT CURVE CONTINUES THROUGH THE SOUTH LINE OF THE N 1/2, SW 1/4, NW 1/4, SECTION 13 AND FITS WITH THE 350' RADIUS CURVE SOUTHERLY OF THAT LINE. WE DID TRY TO MAKE THAT FIT, BUT THE SOUTHERLY END OF THAT CURVE MISSES THE NORTHERLY END OF THE CURVE BASED ON THE FC68 MONUMENTS TO THE SOUTH OF THE SOUTH LINE OF THE N 1/2, SW 1/4, NW 1/4, SECTION 13 BY 0.26'. THIS MIS-MATCH OF CENTERLINES, IS SIMPLY DUE TO THE DESCRIPTION FROM THE NORTH BEING TIED STRICTLY TO THE LOCATION OF THE SECTION LINE WITHIN BEACH BOULEVARD, WHILE THE CENTERLINE FROM THE SOUTH IS BASED ON A 1968 COUNTY FIELD SURVEY AND MONUMENTS. AS DISCUSSED IN BOUNDARY NARRATIVE #1, SHEET 29, THE MONUMENTS FOR SOME OF THESE STREETS SIMPLY ARE NOT PRECISELY WHERE THEY USED TO BE, AND WE HAVE NO WAY OF CORRECTING THAT SITUATION.

FOR PURPOSES OF CONTINUING C.L. STATIONING COMPUTATIONS, ONLY, A "C.L. OF CONVENIENCE" WAS COMPUTED TO CONNECT BETWEEN THE NORTH END OF THE CURVE SOUTHERLY OF THE SOUTH LINE OF THE N 1/2, SW 1/4, NW 1/4, SECTION 13 TO THE END OF THE C.L. ESTABLISHED PARALLEL AND 544.78' EASTERLY OF C.L. BEACH BLVD. THIS "C.L. OF CONVENIENCE" WAS COMPUTED BY ALLOWING A SLIGHT NON-TANGENCY WITH THE TRUE C.L. CURVE AT THE SOUTH LINE OF THE N 1/2, SW 1/4, NW 1/4, SECTION 13, AND ADJUSTING THE RADIUS TO MAKE THE CURVE TANGENT TO THE 1791.48' C.L. RUNNING NORTHERLY.

THE "C.L. CURVE OF CONVENIENCE" SO COMPUTED IS AS FOLLOWS:

D=33°12'24"
R=344.75
L=199.80

IN THIS SAME AREA, ALONG THE EASTERLY R/W LINE OF D01, WE HAVE RE-ESTABLISHED THE R/W LINE AS FOLLOWS:

HELD MONUMENTS #1798 AND #1937 AS CURVE ENDS, WITH THE DEED RADIUS OF 272.50', THEN COMPUTED THE NEXT CURVE NORTHWESTERLY TO FIT TANGENT TO THE #1937-#1798 272.50' RADIUS CURVE, AND TANGENT TO THE EAST LINE OF O.R. 7983/518, WHICH WAS ESTABLISHED 600.00' EAST OF, AND PARALLEL WITH, THE WEST LINE OF SECTION 13, T6S, R11W, PER SAID O.R. 7983/518.

SHEET NOTE:

SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
SHEET 2 FOR STATEMENT OF PURPOSE, DATUM STATEMENT, BASIS OF BEARINGS, MONUMENT SYMBOLS, RECORD REFERENCES LIST AND REFERENCE ABBREVIATIONS USED.
SHEETS 3-21 FOR 1"=100' SCALE MAP SHEETS
SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

BOUNDARY NARRATIVE #8:

HUNTINGTON BEACH CHANNEL D01 - STATION 111+12.39
[C.L. ATLANTA] TO STATION 137+50.35[C.L. INDIANAPOLIS],
WITHIN THE SW 1/4, SECTION 12, T6S, R11W, MM 51/14;

THE SOUTHERLY APPROXIMATELY 1292' PORTION OF THIS REACH, WAS FIRST DESCRIBED AS PARCEL "A" IN O.R. 6754/712 AS BEING ESSENTIALLY A 100.00' WIDE STRIP WHOSE EASTERLY LINE IS THE WESTERLY LINE OF T4409, AND NORTHERLY LINE IS THE SOUTH LINE OF T4649. THERE IS ALSO A 1995 COUNTY RECORD OF SURVEY, R153, WHICH SHOWS THIS PARCEL. WE FIND EXISTING MONUMENTS ON THE C.L. OF ATLANTA WHICH MATCH WELL TO THE POSITIONS FOR THE EAST AND WEST LINES OF THE CHANNEL AS SHOWN ON THOSE TWO TRACTS AND THE COUNTY RECORD OF SURVEY. WE FIND A MONUMENT, #1979, WHICH MATCHES THE RECORD DESCRIPTION FOR THE NORTHWEST CORNER OF TRACT 4409, WHICH WE HOLD FOR CONTROL OF THE EAST LINE, AS DID THE COUNTY R153.

THE COUNTY RECORD OF SURVEY SHOWS ESTABLISHING THE SOUTHEAST CORNER OF T4649 201.70' SOUTHERLY OF THE ABOVE MONUMENT #1979, THEN HOLDING A POINT 100.00 FEET WEST OF THAT AS AN ANGLE POINT IN THE WEST LINE OF THE CHANNEL, AND WE SEE SOME LOGIC IN THAT SYSTEM. HOWEVER, THAT MAKES THE WEST LINE OF THE CHANNEL R/W 100.08' FEET WEST OF THE MONUMENT #1979, WHICH "CROWDS" THE SIDELINE MONUMENTS SHOWN ON THAT SAME R153.

WE FIND EXISTING MONUMENTS AT C.L. INDIANAPOLIS WHICH AGREE WITH THE RECORDS FOR THE CHANNEL LOCATION, INCLUDING THE COUNTY RS, R153.

WE HAVE PUT THE ANGLE POINT IN THE WEST LINE OF THE CHANNEL R/W AT A POINT OPPOSITE THE SENIOR MONUMENT, #1979, MAKING THE CHANNEL R/W 100.00' WIDE ALL THE WAY THROUGH THIS REACH. WE HAVE THE COUNTY COORDINATE DATA FOR THE 1995 SURVEY, R153. USING THAT DATA, WE FIND HOLDING THE 100.00' WIDTH THROUGHOUT, WHICH PLACES THE WEST LINE 0.08' EAST OF THE R153 LOCATION AT THE ANGLE POINT, TAPERING TO THE SAME POINT AT INDIANAPOLIS, CLEARS ALL OF THE SIDELINE MONUMENTS FOUND IN THAT 1995 SURVEY. BY SO DOING THE OCFC D HAS ITS DEEDED 100.00' WIDTH, AND THE ADJOINERS HAVE TO THEIR REAR CORNER MONUMENTS, AS THEY WOULD EXPECT.

BOUNDARY NARRATIVE #9:

HUNTINGTON BEACH CHANNEL, D01 - STATION 137+50.35 [C.L. INDIANAPOLIS] TO STATION 144+30.93[N. LINE S 1/2, SW 1/4, NW 1/4, SECTION 12, T6S, R11W, MM 51/14];

THIS REACH IS DESCRIBED AS BEING LOT "A" OF T4649.

WE FIND THAT THE EXISTING MONUMENT AT THE INTERSECTION OF BEACH BLVD WITH INDIANAPOLIS, DOES NOT MATCH THE POSITION OF THE "BOLT" THAT OCCUPIED THAT INTERSECTION IN THE EARLY 1960'S WHEN THE FIRST SUBDIVISIONS WERE BEING PUT IN. IT APPEARS TO BE FROM 0.17' TO 0.25' WEST OF ITS 1961 LOCATION. ALL OF WHICH MAKES FINDING THE CORRECT LOCATION FOR THE EAST AND WEST LINES OF LOT A OF T4649 VERY DIFFICULT TO DETERMINE WITH ANY DEGREE OF CERTAINTY.

WE FIND STILL EXISTING OCFC D R/W MONUMENTS FROM FC68 ALONG THE EASTERLY R/W LINE BOTH NORTH AND SOUTH OF INDIANAPOLIS. WE FIND EXISTING CITY OF HUNTINGTON BEACH MONUMENTS AT THE CENTERLINE OF INDIANAPOLIS WITH BOTH THE EAST AND WEST LINES OF THE CHANNEL R/W AS WELL AS THE CENTERLINE OF THE CHANNEL MONUMENTS. THOSE MONUMENTS FROM SURVEYS BY TWO DIFFERENT AGENCIES OVER MANY YEARS, BOTH AGREE. WE HAVE ACCEPTED THOSE MONUMENTS AS THE ACCEPTED LOCATION OF THE CHANNEL RIGHT OF WAY AT THE C.L. OF INDIANAPOLIS AVENUE.

AT THE NORTH END OF LOT "A", T4649, WE STILL HAVE A PROBLEM WITH THE MONUMENT AT BEACH & INDIANAPOLIS BEING IN A DOUBTFUL LOCATION RELATIVE TO THE EARLY 1960'S SURVEYS AND T4649. T4649 SHOWS THIS LINE TO BE 2646.59' FROM C.L. BEACH TO C.L. NEWLAND. WE FIND IT TO BE 2646.69'. NOT A GIANT DIFFERENCE, BUT HAS SOME AFFECT. WE HAVE PROPORTIONED THAT NORTH END OF LOT "A" USING SEVERAL DIFFERENT RECORDS TO NO PARTICULAR AGREEMENT. WE DO HAVE INFORMATION FROM OC02, AN OCS 2002 MONUMENTATION PRESERVATION SURVEY [OCS A/6-11, 75-80] WHICH FINDS SOME REAR LOT CORNER MONUMENTS ALONG THE SIDE LINES OF LOT "A", [IN WHICH WE DO NOT HAVE A LOT OF FAITH, AS MANY TIMES WE FIND THESE BACK CORNERS ARE NOT SET PRECISELY]. HOWEVER, OC02 DOES FIND THE ORIGINAL NORTHWEST TRACT CORNER MONUMENT OF T4114, WHICH WAS THEN SUBSEQUENTLY SHOWN AS THE NORTHEAST CORNER OF LOT "A" OF T4649 [NOTE THAT THESE TWO TRACTS ARE BY THE SAME FIRM, SO ALL ONE SURVEY - ONE DOES NOT PROVE, OR DISPROVE, THE OTHER]. AFTER MUCH EFFORT, WE FIND THAT BOTH FC68, AND T4649 INDICATE THAT THE SIDELINES OF THE OCFC D R/W AND THE EAST AND WEST LINES OF LOT "A", SHOULD BE 90'00"00" FROM THE C.L. OF INDIANAPOLIS AVENUE. WE ALSO FIND THAT IF WE HOLD THE FOUND MONUMENTS AT THE INTERSECTION OF THE C.L. OF INDIANAPOLIS WITH THE R/W LINES OF THE CHANNEL, THAT THE EASTERLY LINE PASSES THROUGH THE TRACT CORNER MONUMENT FOUND AND POSITIONED BY OC02. SO, WE DO HAVE A FIT, USING CITY & COUNTY MONUMENTATION, ALONG WITH THE TRACT MONUMENTATION. THIS ANSWER DOES NOT PARTICULARLY LIKE THE SECTIONAL MONUMENTATION, BUT WE BELIEVE WE HAVE IT WHERE THE 1961 & 1968 RECORDS SAID IT WAS SUPPOSED TO BE.

BOUNDARY NARRATIVE #10:

HUNTINGTON BEACH CHANNEL, D01 - STATION 144+30.93 [N. LINE, S1/2, S 1/2, NW 1/4, SECTION 12, T6S, R11W, MM 51/14] TO STATION 164+21.66[C.L. ADAMS AVENUE];

THIS REACH IS DESCRIBED IN O.R. 8647/611 AS A 100.00' WIDE STRIP 50.00' ON EACH SIDE OF A DESCRIBED CENTERLINE. THE DESCRIPTION OF THE CENTERLINE BEGINS FROM A POINT IN THE CENTER OF THE NORTH LINE OF LOT "A" OF T4649, DESCRIBES A CURVE RUNNING NORTHERLY FROM SAID POINT AND TANGENT TO A LINE WHICH IS 50.00' WEST OF AND PARALLEL WITH THE EAST LINE OF LOT A, TRACT 4649. THEN THROUGH THAT CURVE, AND TWO REVERSE CURVES TO A TANGENT, WHICH IS TO BE 558.11' FROM AND PARALLEL WITH THE WEST LINE OF SECTION 12. USING THE BEARINGS SHOWN ON OCFC D R/W MAP D01-3, THAT 558.11' EQUATES TO 558.13' ALONG THE CL. OF ADAMS AVENUE. ALL SUBSEQUENT RECORDS AGREE THAT THE D01 CENTERLINE INTERSECTION WITH C.L. ADAMS IS 558.13' FROM THE N.W. CORNER SECTION 12.

UNFORTUNATELY, AS DESCRIBED BELOW IN THE SOUTHERLY PORTION OF THIS QUARTER, THE MONUMENTATION FOR THE WEST QUARTER CORNER OF SECTION 12 IS NOT WHERE IT WAS WHEN THIS DESCRIPTION WAS WRITTEN, SO WE, AND ALL OF THE OTHER SURVEYORS CHARGED WITH LOCATING THIS CHANNEL R/W, DON'T REALLY KNOW WHERE THAT LINE IS THAT WE ARE SUPPOSED TO BE PARALLEL WITH.

- 1971 - P041 SHOWS THE NORTHEAST CORNER OF LOT "A", T4649 AND THE SOUTHEAST CORNER OF THIS REACH OF D01 TO BE AT A 2" I.P. "RCE 8793" AND THAT PIPE IS 608.13' FROM THE WEST LINE OF SECTION 12 IN BEACH BLVD. P041 INDICATES HOLDING THE SAME WELL MONUMENT AT THE W 1/4 CORNER OF SECTION 12 THAT EXISTS TODAY, BUT HE HAS ALL THE SAME BEARINGS ON ADAMS AND BEACH AS SHOWN ON T4649 GOING TO THE OLD BOLT, WHICH WE BELIEVE WAS NOT PERPETUATED "EXACTLY".
- 1980 - P154 SHOWS THE SAME BEARING AS T4649 & P041 ON ADAMS, BUT THE BEARING ON BEACH HAS CHANGED BY 19 SECONDS, WHICH WOULD INDICATE THAT THE POINT ON THE SECTION LINE 1981' SOUTHERLY SHOULD BE ABOUT 0.12' EAST OF WHERE IT WOULD HAVE BEEN ON P041 ABOVE. THEY THEN HOLD THE RECORD DISTANCE OF 608.13' FROM T4649 TO THE NORTHEAST CORNER LOT "A" OF SAID TRACT, AND THEN SHOW THE MONUMENT THAT 4114. T4649 AND P041 SET OR HELD FOR THAT CORNER TO BE "N89°48'38"E 0.24', OR 608.36' FROM THE SECTION LINE. "MOVING MONUMENTATION!"

BOTH OF THESE MAPS RUN THIS REACH OF D01 NORTHERLY FROM WHERE THEY THOUGHT THE NORTHEAST CORNER OF LOT "A" OF T4649 EXISTED AT THE TIME OF THEIR SURVEY - BUT THEY APPEAR TO BE DIFFERENT LOCATIONS, EAST-WEST BY 0.24', SOME BY MONUMENT PRESERVATION PROBLEMS, SOME BY COPYING RECORD SECTIONAL CONTROL RATHER THAN MEASURED, AND SOME MORE FROM SOMEWHERE UNKNOWN.

(BOUNDARY NARRATIVE #10 CONTINUED AT UPPER RIGHT)

BOUNDARY NARRATIVE #10 (CONTINUED FROM LOWER LEFT):

THE SPECIFIC MONUMENT IN QUESTION, THE NORTHWEST CORNER OF T4114/NORTHEAST CORNER OF LOT "A" OF T4649 COULD NOT BE LOCATED IN THIS SURVEY, DUE TO AND "EXTENSION" OF THE ADJOINERS BLOCK WALL, HOWEVER, WE HAVE WHAT WE FEEL IS RELIABLE POSITIONAL DATA FOR THAT MONUMENT AS DISCUSSED BELOW IN THE DISCUSSION OF LOCATING LOT "A" IN BOUNDARY ISSUE #9. FROM THAT DATA, WE COMPUTE THAT THE MONUMENT SET BY T4114, AND FOUND AND HELD BY T4649, P041 AND FC68 IS ON THE 1/4 1/4 LINE [WITHIN REASON], AND WAS 607.87' EAST OF THE WEST LINE OF SECTION 12, AS NOW MONUMENTED, AND AS IT WAS MONUMENTED AT LEAST BY 1980. WE HAVE HELD THE POSITION OF THAT MONUMENT AS CONTROL FOR THE EAST LINE OF LOT "A", INTERSECTING THE EAST LINE OF SAID LOT "A" WITH THE NORTH LINE OF THE S1/2, S1/2, NW 1/4 SECTION 12, T6S, R11W, AS THE NORTHEAST CORNER OF LOT "A", AND ARE HOLDING THAT INTERSECTED POSITION FOR THE SOUTHEAST CORNER OF OCFC D PARCEL 304 AS DESCRIBED IN O.R. 8647/611. OBVIOUSLY, THIS IS SOMEWHAT DIFFERENT THAN THE LOCATION USED BY P154 IN 1980, BUT SHOULD MATCH THE DEED, FC68, AND P041.

IN ORDER TO HIT THE DEED POSITION, WHICH ALL RECORDS AGREE UPON, FOR THE CENTERLINE OF THIS REACH AT ADAMS AVENUE, WE HAD TO BREAK THE DEED CALL FOR TANGENCY TO THE EAST LINE OF LOT "A", TRACT 4649, BY 0'00'47", WHICH MAKES AN EAST-WEST DIFFERENCE OF 0.45' IN THE LENGTH OF THIS REACH. IN DOING SO, IN ADDITION TO MATCHING THE DEED CALL ALONG C.L. ADAMS FROM BEACH BOULEVARD, WE ALSO MATCH RECORDS FROM NEWLAND STREET, AS SHOWN.

BOUNDARY NARRATIVE #11:

TALBERT CHANNEL, D02 - STATION 64+21.82 [BANNING AVENUE] TO STATION 90+65.49[C.L. HAMILTON AVENUE];

1937-04 RSB 7/34 BY W.W. HOY SHOWS RUNNING AND MONUMENTING THE NORTH- SOUTH C.L. OF THIS QUARTER BETWEEN MID-POINTS AT BOTH THE SOUTH LINE AND THE NORTH LINE. THE CHANNEL LOCATION IS NOT SHOWN, AND WAS NOT A FACTOR AT THIS TIME IN HISTORY.

1957-03-12 - THE FIRST DEED PREPARED BY OCFC D FOR THIS REACH [PARCEL 301] AND RECORDED AS O.R. 5711/257 ON 1961-05-04. C.L. STARTS AT AN EVEN SPLIT POINT OF 1320.48' -1320.49' ALONG BUSHARD, THENCE NORTHERLY IN A STRAIGHT LINE, N0°36'08"W 2639.49' TO A POINT ON THE NORTH LINE OF THE 1/4 AT C.L. HAMILTON AVENUE, WHICH POINT IS, BY THE DISTANCES SHOWN IN THE DESCRIPTION, 0.12' WEST OF THE MID-POINT.

1957-09-12 - THE SECOND DEED PREPARED BY OCFC D FOR THIS REACH [PARCEL 302] AND RECORDED AS O.R. 5444/028 1960-10-03. THE DESCRIPTION OF THE C.L. IS EXACTLY AS THE PARCEL 301 DEED DESCRIPTION ABOVE.

1957-12-06 - THE THIRD DEED PREPARED BY OCFC D FOR THIS REACH [PARCEL 303.1] AND RECORDED AS O.R. 5367/434 1960-08-10. THIS IS THE FIRST DESCRIPTION WHICH SHOWS THE REVERSE CURVES AT THE NORTHERLY END, JUST SOUTHERLY OF HAMILTON AVENUE. THIS DESCRIPTION BEGINS AT C.L. BANNING AT THE SAME LOCATION AS THE ABOVE TWO DESCRIPTIONS, AND RUNS N0°36'08"W JUST LIKE THE FIRST TWO, EXCEPT AT 1265.22' IT BREAKS OFF AND RUNS THROUGH A SET OF REVERSE CURVES AND A 30' TANGENT AND ENDS UP ON THE C.L. HAMILTON AT A POINT WHICH IS 50.12' WEST OF A SPLIT POINT, AS COMPUTED FROM THE DISTANCES IN THE DESCRIPTION.

1957-12-06 - THE FOURTH DEED PREPARED BY OCFC D FOR THIS REACH [PARCEL 304.1] AND RECORDED AS O.R. 5787/760 1961-07-18. THIS IS THE SECOND DESCRIPTION WHICH SHOWS THE REVERSE CURVES AT THE NORTHERLY END, JUST SOUTHERLY OF HAMILTON AVENUE. THE DESCRIPTION OF THE C.L. IN THIS DOCUMENT IS EXACTLY THE SAME AS O.R. 5367/434 ABOVE.

IMPORTANT NOTE: NONE OF THESE CREATING DEED DESCRIPTIONS MENTION GOING ALONG THE NORTH-SOUTH CENTERLINE OF THE S.W. 1/4 OF SECTION 18, R10W, T6S, SBM. THE FIRST TWO DESCRIBE A STRAIGHT LINE RUNNING FROM THE MID-POINT OF THE SOUTH LINE OF THE QUARTER TO A POINT ON THE C.L. OF HAMILTON WHICH IS 0.12' WEST OF THE MID-POINT OF THE NORTH LINE OF THE QUARTER. THE THIRD DEED DESCRIPTION RUNS ALONG THAT SAME LINE UNTIL IT DEVIATES WITH THE REVERSE CURVES, AND TERMINATES AT THE C.L. OF HAMILTON 50.12' WEST OF THE MID-POINT LOCATION.

1961-05 - FC61 - OCFC D SURVEY CREW, SCHUMAKER & PARTY, SHOWS SETTING "MON" AND "MON & MARKER" AT THE ANGLE POINTS OF INTERSECTIONS WITH STREET R/W LINES ALONG THIS CHANNEL. THE NOTES INDICATE THAT THEY START THIS PORTION OF THE C.L. 1320.49' WEST ALONG C.L. BANNING FROM C.L. BUSHARD. THEY DO NOT INDICATE ANY ATTEMPT TO CHECK INTO THE C.L. OF MAGNOLIA TO ASSURE THAT THEY START THEIR C.L. AT THE PROPORTIONED MID-POINT AS DESCRIBED IN THE ABOVE DEEDS. THEY DO NOT SHOW EXACTLY HOW THE LOCATIONS FOR THEIR MONUMENTS WERE DETERMINED, BUT SHOW STATIONING ONLY FOR EACH "MON".

1961-06 RSB 54/5 BY STEVE BRADFORD SHOWS RUNNING THE STRAIGHT SECTION OF THIS REACH THROUGH THE SOUTH HALF OF THE QUARTER, WITH HIS CENTERLINE OF THE OCFC D R/W BEING COMMON WITH A LINE RUNNING FROM THE MID-POINT AT BANNING TO THE MID-POINT AT HAMILTON, VERY CLOSE TO THE C.L. DESCRIBED IN THE DEEDS ABOVE, BUT NOT THE SAME. THIS RS STARTS THE C.L. OCFC D AT THE MID-POINT ON BANNING AS DOES THE DEED, BUT ENDS AT 0.12' EAST OF THE DEED LOCATION AT HAMILTON. THIS MAP SHOWS FINDING 3" I.P.'S AT SIX LOCATIONS WHICH APPEAR TO HAVE BEEN SET BY THE ABOVE OCFC D MONUMENTATION SURVEY OF THE PREVIOUS MONTH, AND CALLING THEM ALL OFF FROM 0.18' TO 0.25' WESTERLY WITH THE WESTERLY "OFF" INCREASING AS THEY RUN NORTHERLY. THIS MATCHES IF THE FACT THAT THIS MAP IS RUNNING A LINE WHICH DIVERGES FROM THE LINE BEING RUN BY THE OCFC D CREW BY 0.12' AT THE NORTHERLY END. ALSO, THE RS DISTANCE TO THE MID-POINT OF BANNING IS 1320.40' VERSUS THE 1320.49' FOR THE SAME DISTANCE BY THE OCFC D CREW (1349.49' IS THE DEED QUOTED DISTANCE, BUT THIS POINT IS ALSO SHOWN TO BE 1320.48' FROM MAGNOLIA IN THE SAME DEED, AND THAT PORTION WAS NOT SHOWN AS BEING CHECKED OR ADDRESSSED BY THE OCFC D NOTES. TAKEN TOGETHER, THE OFFSETS SHOWN ON THE BRADFORD RS SEEM TO EQUATE TO THE LOCATIONS SET BY THE OCFC D NOTES VERY CLOSELY, I.E. THE MEASUREMENTS MATCH. JUST THE LINE LOCATION VARIES.)

1963, MAY-AUGUST - THREE SUBDIVISIONS ARE SURVEYED AND FILED BY JOHN W. KING, JR. LS 3039, COVERING THE ENTIRE WEST HALF OF THIS QUARTER SECTION:

TRACT 3898, SURVEY DATE MAY 1963, FILED 1963-10-16, MM 188/24-25.
TRACT 5251, SURVEY DATE AUG 1963, FILED 1964-01-21, MM 193/35-36.
TRACT 5201, SURVEY DATE AUG 1963, FILED 1964-01-21, MM 193/37-38.

(BOUNDARY NARRATIVE #3 CONTINUED ON SHEET 33)

SHEET NOTE:

SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
SHEET 2 FOR STATEMENT OF PURPOSE, DATUM STATEMENT, BASIS OF BEARINGS, MONUMENT SYMBOLS, RECORD REFERENCES LIST AND REFERENCE ABBREVIATIONS USED.
SHEETS 3-21 FOR 1"=100' SCALE MAP SHEETS
SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

ROGER A. FRANK, P.L.S. 4215

BOUNDARY NARRATIVE #11

(CONTINUED FROM LOWER RIGHT, SHEET 32):

THE SOUTHERLY TWO TRACTS, 3898 AND 5251, SHOW THE CENTERLINE OF THE 160' WIDE OCFC D RIGHT OF WAY AS BEING ALONG THE NORTH-SOUTH CENTERLINE OF THE QUARTER CONNECTING BETWEEN THE MID-POINT OF THE SOUTH LINE AT BANNING AND THE MID-POINT OF THE NORTH LINE AT HAMILTON. AGAIN, LIKE THE ABOVE RS 54/5, NOT FOLLOWING THE WRITTEN WORDING OF THE DEEDS, BUT CLOSE.

THE NORTHERLY KING TRACT, TRACT 5201, SHOWS THE STRAIGHT PART OF THE OCFC D C.L. ALONG THE SAME C.L. OF THE QUARTER AS THE ABOVE TRACTS. AGAIN, CLOSE, BUT NOT GOING TO THE DEED DESCRIBED POINT AT C.L. HAMILTON. THIS IS THE FIRST RECORD WE FIND TO ESTABLISH THE DEEDED REVERSE CURVES JUST SOUTH OF HAMILTON. THE MAP DOES SHOW THAT THE CENTERLINE OF THE OCFC D R/W, AFTER GOING THROUGH THE REVERSE CURVES, DOES GO TO THE DEED DESCRIBED POINT THAT IS 50.12' WEST OF THE MID-POINT OF THE NORTH LINE OF THE QUARTER. HOWEVER, THEY DID HAVE TO RECOMPUTE THE REVERSE CURVES IN ORDER TO MAKE THEIR OCFC D R/W C.L. INTERSECT THE C.L. HAMILTON AT THE POINT DESCRIBED IN THE DEED, O.R. 5367/434', 50.12' WEST OF THE MID-POINT.

RESULT: DUE TO A SLIGHT DEVIATION FROM THE OCFC D C.L. AS DESCRIBED IN THE CREATING DEEDS, BY FOLLOWING THE EAST LINE OF THE W 1/2, SW1/4, SECTION 18, RATHER THAN THE LINE DESCRIBED IN THE DEEDS, BY THE TIME THIS SURVEYOR GOT TO THE SOUTHERLY END OF THE REVERSE CURVES, HE WAS UNKNOWNINGLY 0.10' EAST OF THE LOCATION DESCRIBED IN THE DEEDS, AND HAD TO RECOMPUTE THE CURVES TO CLOSE ON THE DEED DESCRIBED POINT ON THE C.L. OF HAMILTON. [NOTE THAT THE REVERSE CURVE SET DESCRIBED IN THE DEEDS AND SHOWN ON THE OCFC D R/W MAP D02-3 CREATE AN OFFSET FROM THE 2165' TANGENT SECTION OF 50.00', NOT 50.12']

1964/1965 - TRACT 5661, WITH A SURVEY DATE OF JULY 1964, WAS FILED 1965-04-06 IN MM 213/19-20. THIS MAP IS ON THE EAST SIDE OF THE OCFC D02 CHANNEL R/W, JUST OPPOSITE TRACT 5201. THIS MAP WAS PREPARED BY JOHN W. KING, JR, THE SAME SURVEYOR WHO HAD PREPARED AND FILED TRACTS 3898, 5251 AND 5201 ON THE WEST SIDE OF THE SAME CHANNEL. THE LOCATION OF THE C.L. OF THE CHANNEL ON THIS MAP IS AN EXACT DUPLICATE OF THAT SHOWN ON HIS MAPS ALONG THE WEST SIDE OF THE CHANNEL, AS WOULD BE EXPECTED.

CAN WE, OR SHOULD WE, FIX THE PROBLEM? THE LINE WAS ORIGINALLY ESTABLISHED ON THE GROUND BY THE BRADFORD RECORD OF SURVEY AND THE KING TRACTS, 58 YEARS AGO, AND IS AT MOST, 0.10' FROM WHERE THE CREATING DEEDS CALLED FOR IT TO BE. AT THIS TIME IN HISTORY, WE BELIEVE THAT "IT IS WHERE IT IS" AND WE BELIEVE THE COURTS WOULD AGREE, IF IT EVER WERE TO COME TO THAT.

WE DID LOCATE AND POSITION EXISTING RIGHT OF WAY MONUMENTATION AS WELL AS MONUMENTS OF ADJOINING SUBDIVISION STREETS, BOTH EASTERLY AND WESTERLY OF THE CHANNEL AND REVIEWED THE FIT OF THE C.L. CHANNEL TO THE COMPUTED RECORD DISTANCES PERPENDICULARLY OR RADIALY FROM THE CHANNEL C.L. TO ASSURE A REASONABLE FIT TO THE ADJOINER PROPERTIES. SEE SHEET 28 FOR COMPARISON OF MEASURED VS. RECORD "OUTS" FROM C.L. CHANNEL TO ADJOINER SUBDIVISION MONUMENTATION AND FOUND R/W MONUMENTATION.

BOUNDARY NARRATIVE #12:

TALBERT CHANNEL, D02 - STATION 90+65.49 [C.L. HAMILTON AVENUE TO STATION 117+08.51][C.L. ATLANTA AVENUE]:

THE CENTERLINE OF D02 AT THE C.L. OF HAMILTON AVENUE AND AT THE C.L. OF ATLANTA AVENUE WERE BOTH SET BY PROPORTION BETWEEN C.L. MAGNOLIA STREET AND C.L. BUSHARD STREET AS DESCRIBED IN O.R. 5640/716, O.R. 4129/234, AND AS SHOWN ON OCFC D R/W MAP D02-4. IN ADDITION, AT THE C.L. OF ATLANTA, WE FOUND AN EXISTING MONUMENT, #1521, WHICH MATCHES THAT PROPORTIONED LOCATION ACCURATELY.

WITHIN THIS REACH, THERE ARE A SET OF REVERSE CURVES DESIGNED TO TRANSITION THE CHANNEL C.L. 50.00' TO THE EAST. DUE TO THE COMPUTATION METHODS AVAILABLE IN 1957 WHEN THESE DESCRIPTIONS WERE AUTHORED, THE SHIFT USING THE DEED DESCRIBED CURVES IS SLIGHTLY LESS THAN 50.00'. WE HAVE RECOMPUTED THE CURVES, AND ADDED 1 ARC SECOND TO THE DELTAS TO MAKE THE CORRECT 50.00' SHIFT.

OTHER THAN THAT MINOR MATH PROBLEM, WE HAVE RUN THIS REACH OF CHANNEL EXACTLY AS DESCRIBED IN THE DEEDS SHOWN.

WE DID LOCATE AND POSITION REMAINING RIGHT OF WAY MONUMENTATION AS WELL AS C.L. MONUMENTS OF SUBDIVISION STREETS, BOTH EASTERLY AND WESTERLY OF THE CHANNEL AND REVIEWED THE FIT OF THE C.L. CHANNEL TO THE COMPUTED RECORD DISTANCES PERPENDICULARLY OR RADIALY FROM THE CHANNEL C.L. TO ASSURE A REASONABLE FIT TO THE ADJOINER PROPERTIES. SEE STATION & OUT SHEET #28 FOR COMPARISON OF MEASURED VS. RECORD "OUTS" FROM C.L. CHANNEL TO ADJOINER SUBDIVISION MONUMENTATION AND RECORD R/W MONUMENTATION.

BOUNDARY NARRATIVE #13:

TALBERT CHANNEL, D02 - STATION 117+08.51 [C.L. ATLANTA AVENUE] TO STATION 143+50.14[C.L. INDIANAPOLIS AVENUE]:

THE CENTERLINE OF D02 AT THE C.L. OF ATLANTA AVENUE WAS SET BY PROPORTION BETWEEN C.L. MAGNOLIA STREET AND C.L. BUSHARD STREET AS DESCRIBED IN O.R. 5435/027, O.R. 4591/508 AND O.R. 5656/185, AND AS SHOWN ON OCFC D R/W MAPS D02-5 & D02-6. AT THE C.L. OF ATLANTA, WE FOUND AN EXISTING MONUMENT, #1521, WHICH MATCHES THAT PROPORTIONED DEED LOCATION ACCURATELY AND WAS ACCEPTED AS D02 C.L. CONTROL AT THAT LOCATION. AT THE C.L. OF INDIANAPOLIS AVENUE, WE FOUND A MONUMENT, #1637, WHICH MATCHES THE PROPORTIONED DEED LOCATION WITHIN 0.03'. WE ACCEPTED THAT MONUMENT FOR CONTROL OF THE C.L. OF D02 AT INDIANAPOLIS AVENUE.

WE DID LOCATE AND POSITION REMAINING RIGHT OF WAY MONUMENTATION AS WELL AS C.L. MONUMENTS OF SUBDIVISION STREETS, BOTH EASTERLY AND WESTERLY OF THE CHANNEL AND REVIEWED THE FIT OF THE C.L. CHANNEL TO THE COMPUTED RECORD DISTANCES PERPENDICULARLY OR RADIALY FROM THE CHANNEL C.L. TO ASSURE A REASONABLE FIT TO THE ADJOINER PROPERTIES. SEE SHEET 27 FOR COMPARISON OF MEASURED VS. RECORD "OUTS" FROM C.L. CHANNEL TO ADJOINER SUBDIVISION MONUMENTATION AND RECORD R/W MONUMENTATION.

BOUNDARY NARRATIVE #14:

TALBERT CHANNEL, D02 - STATION 143+50.14[C.L. INDIANAPOLIS AVENUE] TO STATION 169+92.66 [C.L. ADAMS AVENUE]:

THE CENTERLINE OF D02 AT THE C.L. OF INDIANAPOLIS WAS COMPUTED BY PROPORTION PER O.R. 5656/185, AND OCFC D R/W MAP D02-6. WITHIN 0.03' OF THAT LOCATION, WE FOUND AN EXISTING MONUMENT, #1637. WE HAVE ACCEPTED THAT MONUMENT AS CONTROL FOR C.L. D02. AT ADAMS AVENUE, WE FOUND AN EXISTING MONUMENT, #4320, WHICH MATCHES THE DEED PROPORTIONED LOCATION WITHIN 0.01'. WE HAVE ACCEPTED THAT MONUMENT AS CONTROL FOR C.L. D02 AT ADAMS AVENUE.

WE DID LOCATE AND POSITION REMAINING RIGHT OF WAY MONUMENTATION AS WELL AS C.L. MONUMENTS OF SUBDIVISION STREETS, BOTH EASTERLY AND WESTERLY OF THE CHANNEL AND REVIEWED THE FIT OF THE C.L. CHANNEL TO THE COMPUTED RECORD DISTANCES PERPENDICULARLY OR RADIALY FROM THE CHANNEL C.L. TO ASSURE A REASONABLE FIT TO THE ADJOINER PROPERTIES. SEE STATION & OUT SHEET #28 FOR COMPARISON OF MEASURED VS. RECORD "OUTS" FROM C.L. CHANNEL TO ADJOINER SUBDIVISION MONUMENTATION AND RECORD R/W MONUMENTATION.

BOUNDARY NARRATIVE #15:

TALBERT CHANNEL, D02 - STATION 169+92.66 [C.L. ADAMS AVENUE] TO STATION 196+32.90 [C.L. YORKTOWN AVENUE]:

THIS HALF MILE OF D02 R/W, BY DEED HAS AN ANGLE POINT APPROXIMATELY HALF WAY BETWEEN ADAMS AND YORKTOWN. IT ALSO HAS A COUNTY RECORD OF SURVEY FROM 1989, R124, WHICH APPEARS TO HAVE ATTEMPTED TO SET THE R/W BY RELATION TO THE TRACT MONUMENTATION ON BOTH SIDES, WHILE SETTING THE ANGLE POINT AT DEED RECORD DISTANCE FROM THE SOUTH. THEY ENDED UP WITH AN ANGLE AT THAT ANGLE POINT WHICH IS 20 SECONDS DIFFERENT THAN THE DEED. AFTER SEVERAL ATTEMPTS TO HOLD COUNTY FOUND AND SET MONUMENTS, WITH NO GOOD SUCCESS, WE FINALLY HELD TWO FOUND EXISTING MONUMENTS WHICH FIT PROPORTIONAL RECORD WELL AT ADAMS AVENUE, #4320, AND AT YORKTOWN AVENUE, #1003, THEN SET THE ANGLE POINT AT RECORD DEED DISTANCE FROM THE SOUTH AS DID THE COUNTY IN 1989, AND HELD THE ANGLE OF 179°55'59" AS SHOWN BY THE 1989 COUNTY SURVEY.

SO WE HAVE ESSENTIALLY FOLLOWED THE COUNTY 1989 SURVEY METHOD, WHILE NOT FITTING THE 1989 FOUND OR SET MONUMENTS NEAR THE ANGLE POINT AS WELL AS WE WOULD HAVE LIKED.

WE DID LOCATE AND POSITION REMAINING RIGHT OF WAY MONUMENTATION AS WELL AS C.L. MONUMENTS OF SUBDIVISION STREETS, BOTH EASTERLY AND WESTERLY OF THE CHANNEL AND REVIEWED THE FIT OF THE C.L. CHANNEL TO THE COMPUTED RECORD DISTANCES PERPENDICULARLY OR RADIALY FROM THE CHANNEL C.L. TO ASSURE A REASONABLE FIT TO THE ADJOINER PROPERTIES. SEE SHEET 28 FOR COMPARISON OF MEASURED VS. RECORD "OUTS" FROM C.L. CHANNEL TO ADJOINER SUBDIVISION MONUMENTATION AND RECORD R/W MONUMENTATION.

THERE IS NO PERFECT ANSWER HERE. THE MONUMENTATION BY THE TRACTS ON BOTH SIDES, DID NOT LEAVE QUITE ENOUGH ROOM BETWEEN THE TRACT BOUNDARIES TO FIT THE SENIOR DEEDED COUNTY RIGHT OF WAY WIDTHS, THUS THERE IS SOME SLIGHT OVERLAP AMOUNTING TO ABOUT 0.10' MAX ON BOTH SIDES.

BOUNDARY NARRATIVE #16:

MISSING SECTION CORNER MONUMENT AT BEACH BLVD & ADAMS AVENUE:

AT OUR FIRST FIELD VISIT, WE FOUND THAT THIS ENTIRE INTERSECTION HAD BEEN REBUILT SOMETIME IN THE NOT TOO DISTANT PAST. WE FOUND NO SECTION CORNER MONUMENT, AND NO OBVIOUS TIE MONUMENTS. WITH SOME FURTHER RESEARCH, WE DID FIND A CORNER RECORD WHICH SHOWED A TIE, DISTANCE ONLY, TO AN OCS BENCH MARK ON THE NORTHWEST CORNER, ON A CATCH BASIN WHICH SEEMS TO BE THE ONLY CONCRETE IN THE WHOLE INTERSECTION THAT WAS NOT REPLACED. HOWEVER, ONE "DISTANCE ONLY" TIE DOES NOT MAKE AN INTERSECTION.

WE DETERMINED THE POSITION OF THE MISSING NORTHWEST CORNER, SECTION 12, T6S, R11W, MM 51/14 AT BEACH BLVD & ADAMS STREET, OUR POINT #5032, AS FOLLOWS:

1. COMPUTED THE BEARINGS AND DISTANCES TO 5032 USING THE OCS 1991.35 PUBLISHED GPS POSITIONS FROM POINTS 5031, 5024, AND 5023. (1991.35 WAS THE ONLY FIELD "MEASURED" POSITIONS FOR THE OCS GPS SYSTEM IN THIS AREA). THESE THREE MONUMENTS ARE THE EXACT SAME MONUMENTS AS MEASURED IN THE 1991.35 GPS SURVEY.
2. USING THOSE COMPUTED DISTANCES AS "SWING TIE" DISTANCES, INTERSECTED THEM AT ADAMS & BEACH. OBTAINED AN ERROR TRIANGLE OF ABOUT 0.02'. SPLIT FOR THE POSITION OF 5032. JUST LIKE ANY SWING TIES.
3. DID NOT USE THE 1991.35 BEARINGS, AS THOSE MAY HAVE CHANGED SLIGHTLY WITH THE VARIOUS OCS ADJUSTMENTS SINCE 1991, HOWEVER, AFTER POSITIONING 5032 WITH THE THREE DISTANCES ONLY, THE THREE LONG TIE RESULTS ARE, FROM OUR RESURRECTED POSITION FOR 5032:

ALONG ADAMS AVENUE TO 5031:
S 89°14'15" E 2645.38' (N89°14'14"W 2645.37' 1991.35 GND)
ALONG BEACH BOULEVARD TO 5023:
S 00°17'51" W 2642.41' (N00°17'52"E 2642.40' 1991.35 GND)
DIAGONALLY SOUTHEAST TO 5024 AT INDIANAPOLIS & NEWLAND:
S 44°31'12" E 3755.46' (S44°31'08"E 3755.47' 1991.35 GND)
4. AFTER POSITIONING AS ABOVE, USING THREE "FIRST ORDER" LONG TIES, A CHECK TO THE ONE REMAINING RECORD SWING TIE MONUMENT AT OCS BM HB-198-71 RESULTS IN:
N58°15'38"W 81.76' (81.87' CR 1996-0167)

BOUNDARY NARRATIVE #17:

SOUTH LINE, N 1/2, NW 1/4, FRACTIONAL SECTION 19, T6S, R10W, MM 51/14, AND COMMON LINE BETWEEN T3903 & T5664.

THIS LINE WAS POSITIONED BY R232 IN 2005 FROM A PROPORTIONED POINT ON C.L. BUSHARD STREET AND LINE THROUGH A FOUND T3903 CORNER MONUMENT AT THE NORTHEASTERLY R/W LINE OF D01. THERE IS NOW A MONUMENT #1718, ON C.L. BUSHARD STREET, WHICH MATCHES THE R232 LOCATION, AND WE ARE HOLDING THAT FOR THE EAST END OF THIS LINE.

THE MONUMENTATION SHOWN FOR CONTROL OF THE DIRECTION OF THE LINE BY R232 IS NO LONGER IN PLACE. WE HAVE FOUND A 2018 SURVEY, CR 2018-2902, WHICH DETERMINED THE LOCATION OF THE INTERSECTION OF THIS LINE WITH THE NORTHEASTERLY R/W LINE OF D02 BY RELATION TO THE CENTERLINE INTERSECTION MONUMENT OF MALIBU LANE WITH LEILANI DRIVE, AND SET A MONUMENT [#1714] AT THAT LOCATION. WE HAVE LOCATED THAT 2018 MONUMENT, AS WELL AS THE C.L. INTERSECTION MONUMENT [#1892]. WE CHECKED AND AGREED WITH THE RELATIONSHIP AS SHOWN ON THE CORNER RECORD. WE ARE HOLDING BOTH THE CORNER RECORD SET MONUMENT [#1714] AS WELL AS THE T3903 RELATIONSHIP TO THE C.L. INTERSECTION MONUMENT [#1892] AS THE BEST AVAILABLE EVIDENCE FOR THE LOCATION OF THIS FRACTIONAL SECTION BREAKDOWN LINE, AS WELL AS THE COMMON LINE BETWEEN T3903 AN T5664.

SHEET NOTE:

- SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
SHEET 2 FOR STATEMENT OF PURPOSE, DATUM STATEMENT, BASIS OF BEARINGS, MONUMENT SYMBOLS, RECORD REFERENCES LIST AND REFERENCE ABBREVIATIONS USED.
SHEETS 3-21 FOR 1"=100' SCALE MAP SHEETS
SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
SHEET 34 FOR COORDINATE LISTS

RECORD OF SURVEY NO. 2021-1161

IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020 ROGER A. FRANK, P.L.S. 4215

CCS83, ZONE VI, EPOCH OF 2007.00,
GRID COORDINATES IN U.S. SURVEY FEET

PT	NORTH	EAST
BLSA	2, 239, 163. 450	6, 021, 325. 680
FVPK	2, 188, 768. 540	6, 048, 757. 120
SACY	2, 218, 015. 220	6, 061, 433. 120
TRAK	2, 171, 991. 670	6, 088, 762. 070
1000	2, 189, 912. 153	6, 037, 992. 985
1001	2, 181, 993. 502	6, 037, 952. 627
1003	2, 195, 185. 428	6, 039, 340. 861
1005	2, 193, 865. 019	6, 039, 405. 371
1040	2, 189, 997. 342	6, 033, 306. 121
1048	2, 192, 553. 923	6, 033, 224. 887
1050	2, 192, 258. 529	6, 033, 223. 405
1060	2, 192, 362. 818	6, 033, 224. 002
1068	2, 192, 552. 515	6, 033, 323. 788
1076	2, 192, 623. 756	6, 039, 123. 982
1077	2, 193, 426. 748	6, 039, 128. 186
1078	2, 194, 189. 822	6, 039, 136. 828
1079	2, 195, 017. 180	6, 039, 140. 091
1082	2, 195, 183. 841	6, 039, 540. 818
1083	2, 195, 011. 868	6, 039, 540. 166
1084	2, 193, 957. 715	6, 039, 535. 699
1085	2, 193, 686. 975	6, 039, 553. 945
1086	2, 192, 591. 886	6, 039, 548. 166
1091	2, 181, 481. 300	6, 039, 084. 003
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1106	2, 184, 290. 066	6, 033, 503. 059
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1126	2, 193, 544. 840	6, 039, 403. 703
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1330	2, 189, 955. 942	6, 033, 255. 542
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1503	2, 182, 664. 239	6, 039, 066. 035
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1514	2, 183, 430. 517	6, 039, 491. 565
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1520	2, 187, 261. 953	6, 039, 226. 120
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1531	2, 186, 152. 398	6, 039, 342. 887
1532	2, 186, 391. 061	6, 039, 371. 007
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1567	2, 187, 053. 887	6, 039, 513. 626
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1569	2, 186, 513. 973	6, 039, 510. 775
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1573	2, 186, 791. 112	6, 039, 087. 439
1578	2, 189, 406. 213	6, 039, 387. 191
1579	2, 190, 635. 857	6, 033, 314. 596
1586	2, 187, 382. 778	6, 039, 103. 038
1587	2, 187, 637. 797	6, 039, 104. 381
1588	2, 187, 884. 493	6, 039, 158. 688
1589	2, 188, 130. 463	6, 039, 159. 896
1590	2, 188, 376. 408	6, 039, 165. 608
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1592	2, 188, 679. 503	6, 039, 167. 208
1593	2, 188, 975. 526	6, 039, 168. 784
1595	2, 189, 524. 112	6, 039, 111. 493
1596	2, 189, 523. 520	6, 039, 122. 497
1597	2, 189, 783. 569	6, 039, 123. 874
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1601	2, 187, 689. 821	6, 039, 503. 685
1602	2, 187, 943. 884	6, 039, 505. 118
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1606	2, 188, 699. 194	6, 039, 509. 157
1611	2, 192, 545. 730	6, 039, 253. 578
1612	2, 191, 520. 993	6, 039, 248. 096
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1615	2, 191, 657. 412	6, 039, 118. 730
1616	2, 191, 522. 133	6, 039, 118. 043
1619	2, 192, 543. 692	6, 039, 536. 871
1620	2, 191, 648. 878	6, 039, 532. 089
1623	2, 190, 649. 288	6, 039, 517. 908
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1626	2, 190, 057. 960	6, 039, 512. 870
1629	2, 191, 396. 062	6, 039, 117. 410
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1632	2, 190, 653. 004	6, 039, 117. 585
1633	2, 190, 526. 970	6, 039, 116. 853
1634	2, 190, 071. 968	6, 039, 111. 769
1637	2, 189, 902. 889	6, 039, 314. 496
1638	2, 192, 451. 494	6, 039, 536. 381
1660	2, 192, 544. 745	6, 039, 403. 598
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1705	2, 179, 698. 035	6, 040, 316. 596
1708	2, 180, 308. 940	6, 039, 793. 899
1709	2, 180, 314. 244	6, 039, 802. 393
1710	2, 180, 161. 273	6, 039, 685. 229
1714	2, 180, 659. 215	6, 039, 607. 318
1716	2, 180, 651. 660	6, 040, 586. 967
1717	2, 180, 909. 662	6, 039, 113. 844
1718	2, 181, 032. 081	6, 038, 884. 462
1719	2, 181, 155. 357	6, 038, 655. 517
1720	2, 180, 997. 648	6, 038, 673. 149
1721	2, 180, 869. 911	6, 038, 604. 924
1725	2, 181, 982. 353	6, 039, 273. 144
1726	2, 181, 943. 063	6, 039, 192. 954
1728	2, 181, 220. 133	6, 037, 948. 727
1729	2, 181, 391. 129	6, 037, 629. 116
1730	2, 181, 643. 366	6, 037, 313. 702
1731	2, 181, 660. 825	6, 037, 517. 971
1733	2, 181, 765. 124	6, 037, 618. 618
1737	2, 181, 944. 385	6, 037, 238. 588
1739	2, 181, 868. 423	6, 037, 514. 915
1740	2, 181, 998. 265	6, 037, 388. 517
1741	2, 182, 045. 626	6, 037, 342. 451
1742	2, 182, 001. 767	6, 036, 956. 487
1743	2, 182, 046. 524	6, 036, 913. 934
1744	2, 182, 130. 068	6, 037, 069. 264

PT	NORTH	EAST
1748	2, 181, 441. 532	6, 038, 207. 405
1749	2, 181, 592. 845	6, 038, 009. 794
1751	2, 182, 978. 994	6, 036, 637. 240
1752	2, 183, 673. 745	6, 036, 685. 818
1753	2, 183, 674. 485	6, 036, 540. 757
1754	2, 183, 871. 743	6, 036, 641. 690
1755	2, 183, 984. 707	6, 036, 642. 192
1756	2, 183, 985. 471	6, 036, 565. 149
1757	2, 184, 133. 619	6, 036, 232. 371
1758	2, 183, 988. 586	6, 036, 230. 885
1761	2, 183, 991. 311	6, 035, 962. 358
1762	2, 184, 141. 898	6, 035, 362. 611
1763	2, 184, 142. 293	6, 035, 322. 669
1772	2, 179, 068. 423	6, 039, 944. 045
1775	2, 180, 313. 615	6, 040, 585. 239
1776	2, 181, 823. 227	6, 037, 674. 693
1777	2, 183, 256. 115	6, 035, 318. 355
1783	2, 183, 324. 299	6, 036, 710. 621
1784	2, 182, 512. 827	6, 037, 955. 250
1787	2, 186, 246. 992	6, 033, 180. 913
1795	2, 195, 618. 113	6, 039, 142. 639
1798	2, 185, 335. 431	6, 033, 496. 562
1799	2, 193, 166. 731	6, 039, 126. 714
1802	2, 192, 905. 285	6, 039, 125. 431
1803	2, 194, 757. 225	6, 039, 139. 067
1805	2, 194, 483. 759	6, 039, 537. 904
1808	2, 194, 747. 845	6, 039, 539. 088
1816	2, 194, 219. 677	6, 039, 536. 761
1831	2, 180, 077. 718	6, 040, 698. 269
1838	2, 180, 796. 413	6, 039, 325. 870
1841	2, 185, 628. 190	6, 033, 177. 858
1843	2, 185, 528. 383	6, 033, 137. 214
1890	2, 181, 562. 173	6, 039, 497. 571
1892	2, 180, 788. 561	6, 039, 693. 204
1893	2, 181, 980. 552	6, 039, 483. 067
1910	2, 179, 865. 696	6, 040, 322. 367
1911	2, 180, 185. 490	6, 040, 042. 771
1912	2, 180, 337. 163	6, 039, 936. 969
1913	2, 180, 521. 142	6, 039, 738. 259
1914	2, 181, 123. 991	6, 039, 228. 356
1915	2, 185, 338. 346	6, 033, 213. 033
1916	2, 181, 869. 083	6, 039, 062. 515
1917	2, 181, 984. 221	6, 039, 063. 054
1930	2, 181, 294. 231	6, 038, 423. 544
1933	2, 185, 590. 640	6, 033, 162. 513
1937	2, 185, 408. 918	6, 033, 375. 570
1938	2, 187, 318. 624	6, 033, 196. 543
1939	2, 187, 317. 604	6, 033, 296. 529
1943	2, 189, 956. 609	6, 033, 205. 528
1944	2, 189, 955. 299	6, 033, 305. 524
1956	2, 187, 367. 564	6, 033, 296. 608
1979	2, 188, 811. 108	6, 033, 301. 935
1992	2, 181, 313. 039	6, 036, 485. 336
1995	2, 189, 913. 248	6, 033, 305. 436
1998	2, 186, 773. 737	6, 033, 183. 370
2001	2, 187, 323. 364	6, 032, 716. 423
2002	2, 184, 648. 045	6, 032, 698. 257
2003	2, 184, 674. 288	6, 032, 696. 028
2004	2, 184, 691. 816	6, 032, 695. 316
2005	2, 184, 716. 154	6, 032, 695. 215
2054	2, 189, 934. 434	6, 039, 411. 825
2055	2, 189, 870. 510	6, 039, 356. 698
2056	2, 189, 870. 080	6, 039, 420. 840
2057	2, 189, 934. 674	6, 039, 357. 810
2058	2, 189, 902. 362	6, 039, 389. 581
2729	2, 181, 390. 319	6, 037, 629. 180
3729	2, 181, 390. 143	6, 037, 629. 366
3730	2, 181, 643. 782	6, 037, 315. 393
3742	2, 182, 001. 900	6, 036, 957. 997
3745	2, 182, 134. 029	6, 037, 072. 095
3820	2, 181, 990. 418	6, 036, 969. 456
4001	2, 179, 631. 406	6, 040, 256. 099
4002	2, 180, 210. 760	6, 039, 761. 716
4003	2, 180, 659. 895	6, 039, 519. 830
4004	2, 181, 867. 943	6, 039, 272. 561
4005	2, 184, 147. 305	6, 039, 284. 430
4006	2, 184, 369. 895	6, 039, 260. 530
4007	2, 184, 592. 484	6, 039, 236. 631
4008	2, 185, 947. 432	6, 039, 243. 804
4009	2, 186, 169. 492	6, 039, 269. 978
4010	2, 186, 391. 552	6, 039, 296. 153
4011	2, 193, 545. 218	6, 039, 333. 788
4012	2, 193, 865. 245	6, 039, 335. 469
4015	2, 180, 195. 710	6, 039, 738. 701
4016	2, 180, 530. 504	6, 039, 372. 821
4017	2, 180, 924. 879	6, 038, 634. 282
4018	2, 181, 810. 886	6, 037, 455. 807
4019	2, 181, 987. 914	6, 037, 283. 483
4020	2, 183, 674. 166	6, 036, 603. 284
4021	2, 184, 051. 123	6, 036, 231. 801
4022	2, 184, 114. 560	6, 034, 357. 705
4023	2, 184, 153. 539	6, 033, 671. 278
4024	2, 184, 213. 152	6, 033, 461. 370
4025	2, 184, 124. 544	6, 034, 358. 272
4026	2, 184, 681. 519	6, 033, 614. 543
4027	2, 185, 070. 291	6, 033, 476. 173
4028	2, 185, 269. 344	6, 033, 345. 007
4029	2, 185, 337. 667	6, 033, 287. 945
4030	2, 185, 526. 737	6, 033, 232. 564
4031	2, 188, 811. 277	6, 033, 251. 937
4032	2, 190, 636. 478	6, 033, 264. 604
4033	2, 191, 331. 807	6, 033, 216. 191
4034	2, 191, 920. 870	6, 033, 235. 433
4035	2, 192, 258. 224	6, 033, 273. 242
4040	2, 179, 559. 159	6, 040, 335. 683
4041	2, 184, 622. 484	6, 039, 236. 788
4042	2, 181, 705. 776	6, 037, 561. 349
4043	2, 184, 059. 789	6, 035, 322. 446
4044	2, 187, 318. 149	6, 033, 241. 237
4045	2, 187, 318. 096	6, 033, 246. 539
4046	2, 192, 618. 216	6, 033, 275. 592
4050	2, 180, 161. 504	6, 039, 686. 394
4052	2, 181, 868. 351	6, 039, 192. 564
4052	2, 181, 868. 363	6, 039, 193. 573
4053	2, 181, 867. 535	6, 039, 352. 558
4053	2, 181, 867. 532	6, 039, 351. 054
4054	2, 184, 147. 722	6, 039, 204. 433
4055	2, 184, 146. 889	6, 039, 364. 427
4056	2, 184, 352. 504	6, 039, 182. 446
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RECORD OF SURVEY NO. 2021-1161

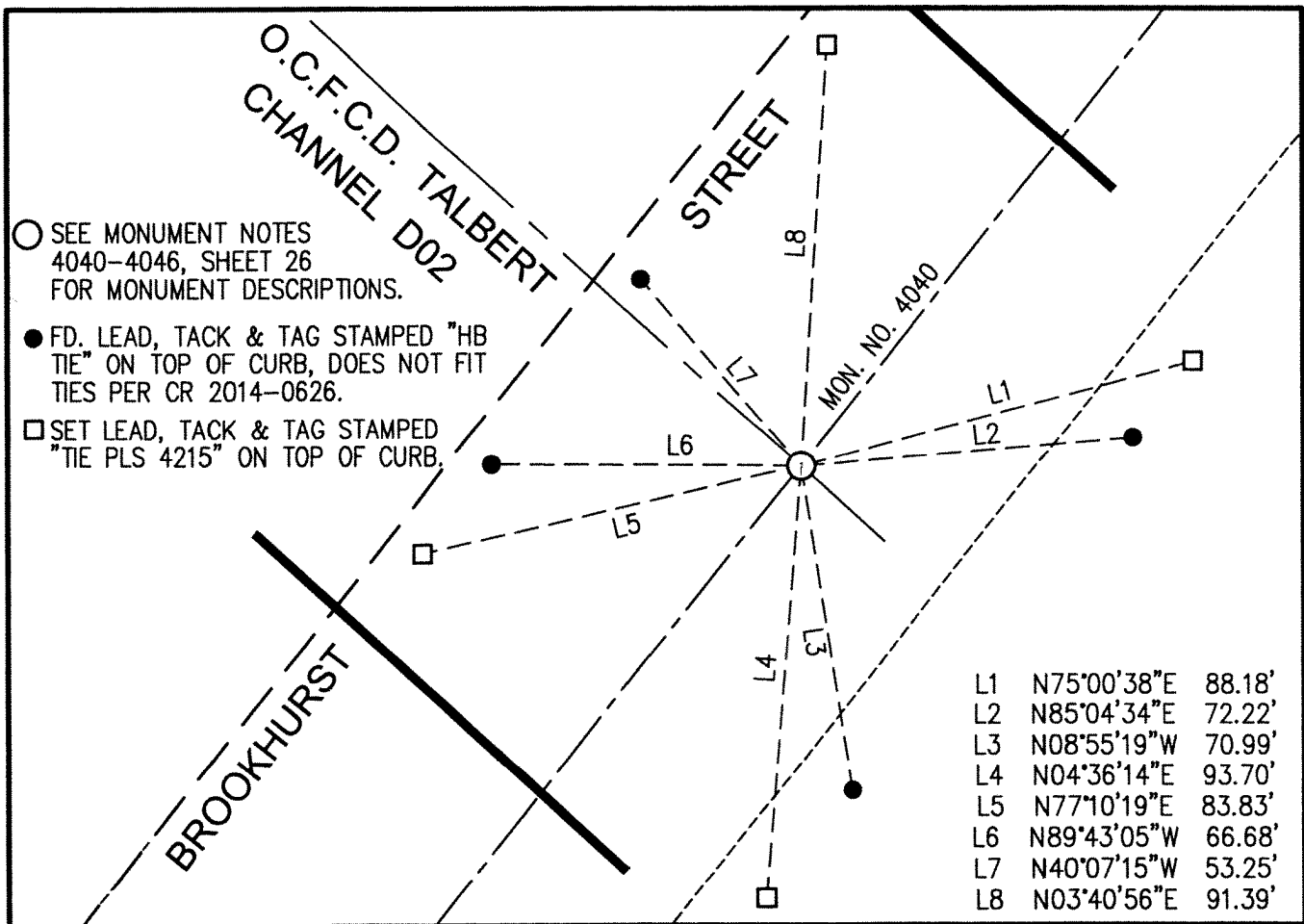
IN THE CITY OF HUNTINGTON BEACH, COUNTY OF ORANGE,
STATE OF CALIFORNIA

DATE OF SURVEY: MARCH 2020 THROUGH JULY 2020

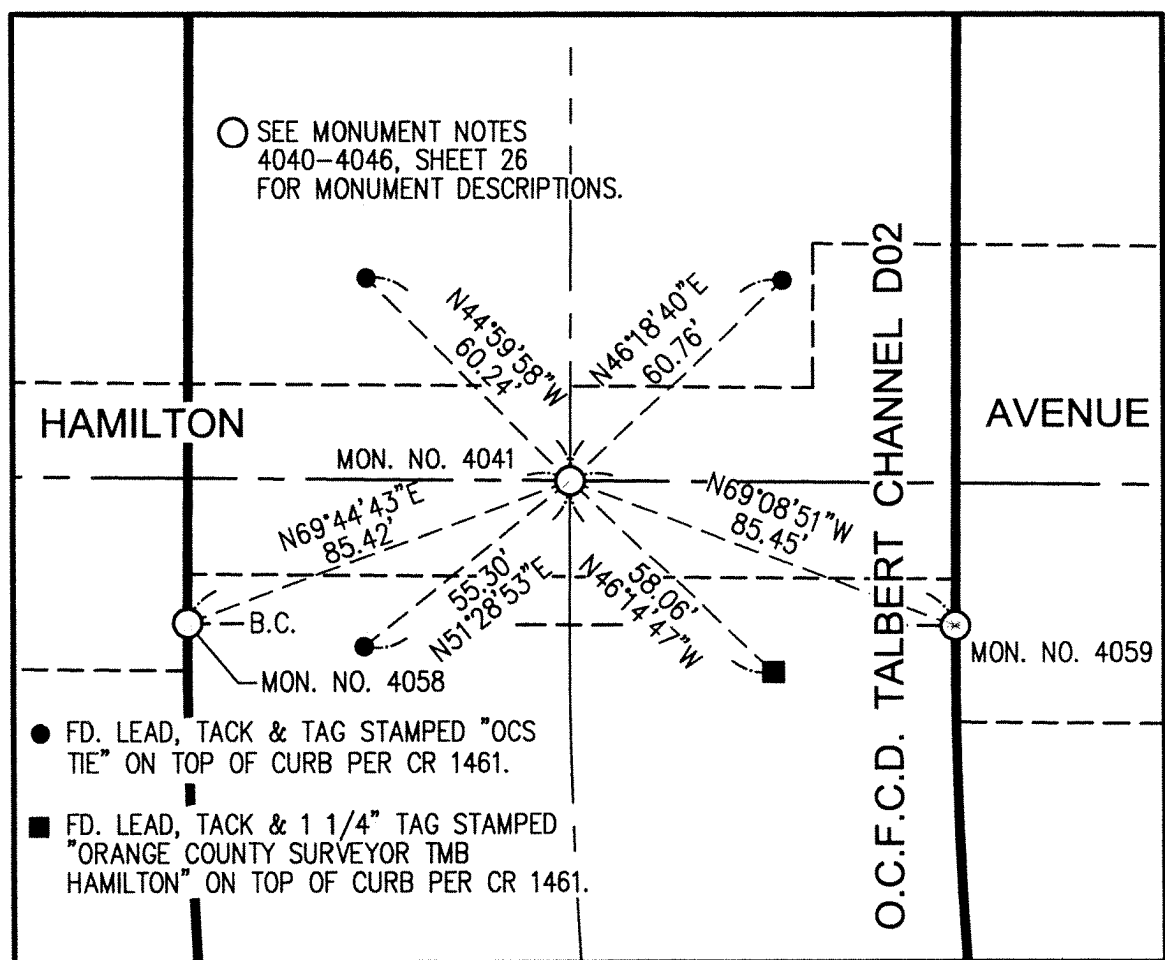
ROGER A. FRANK, P.L.S. 4215



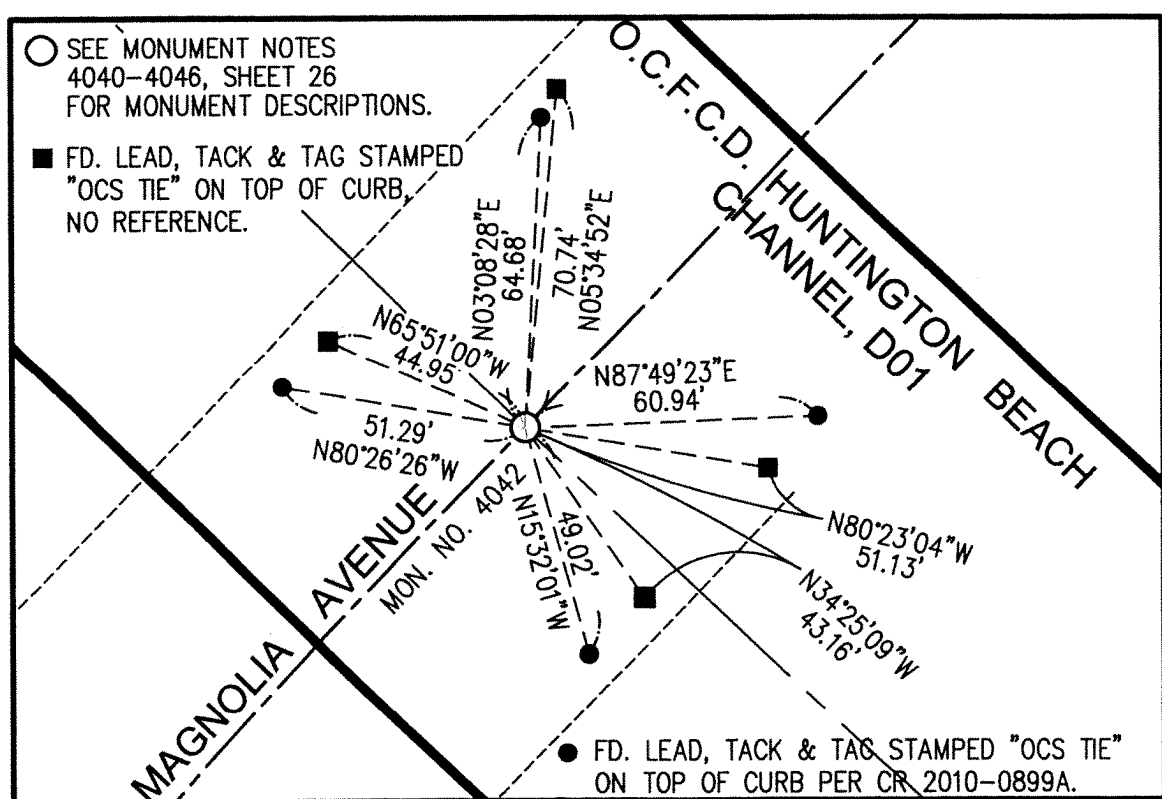
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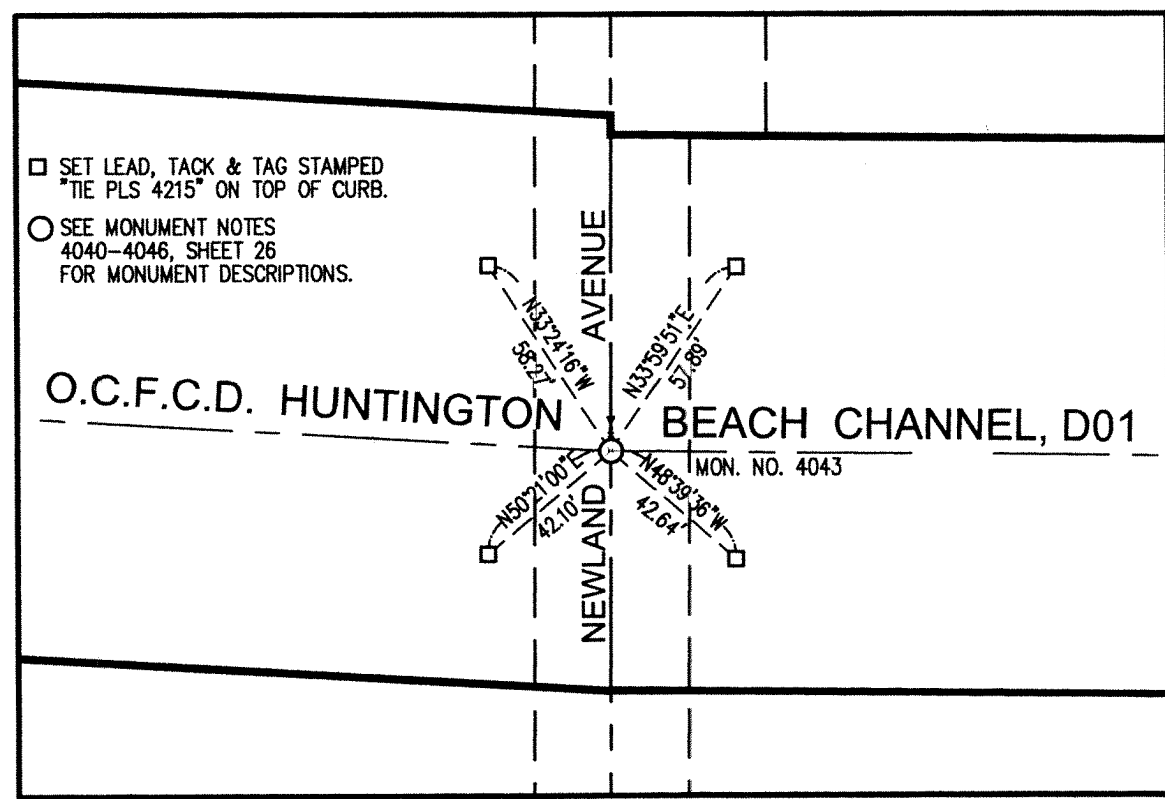
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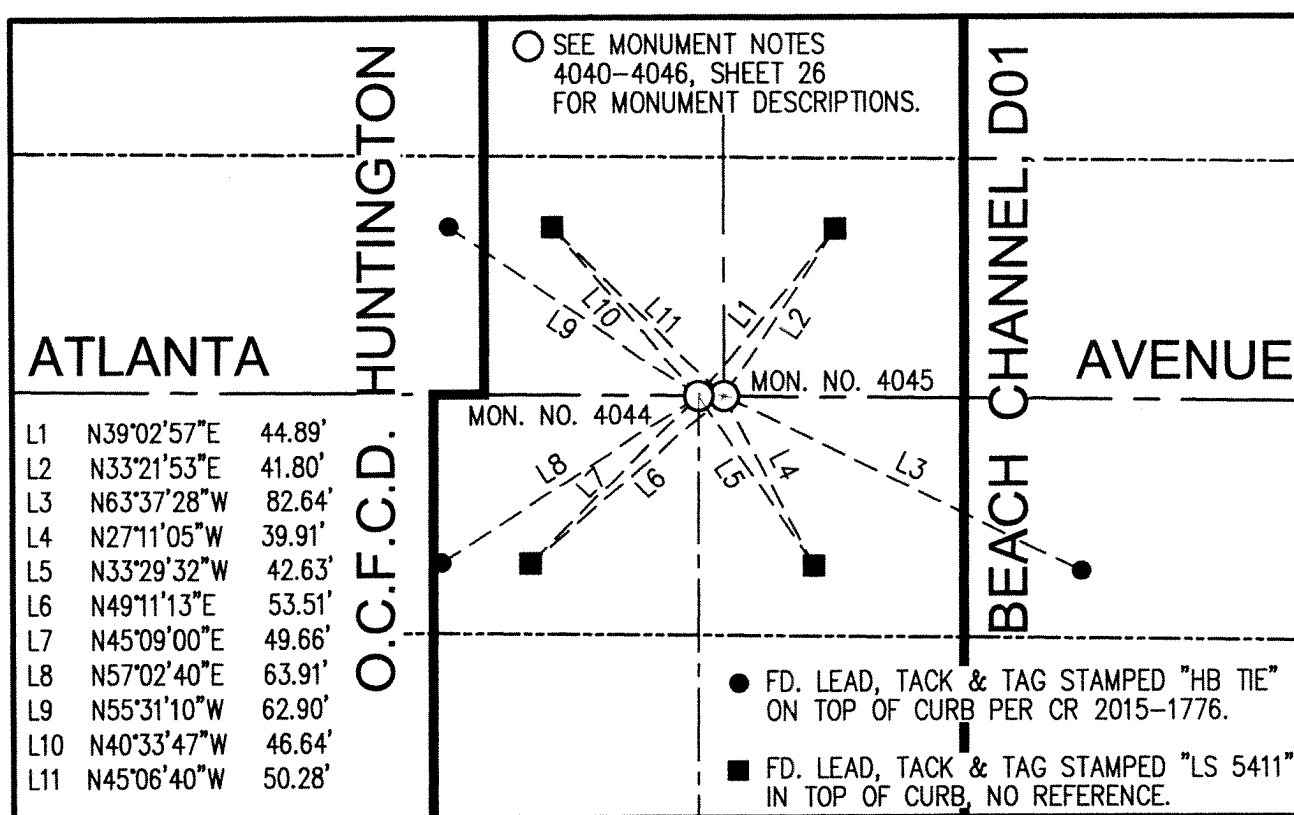
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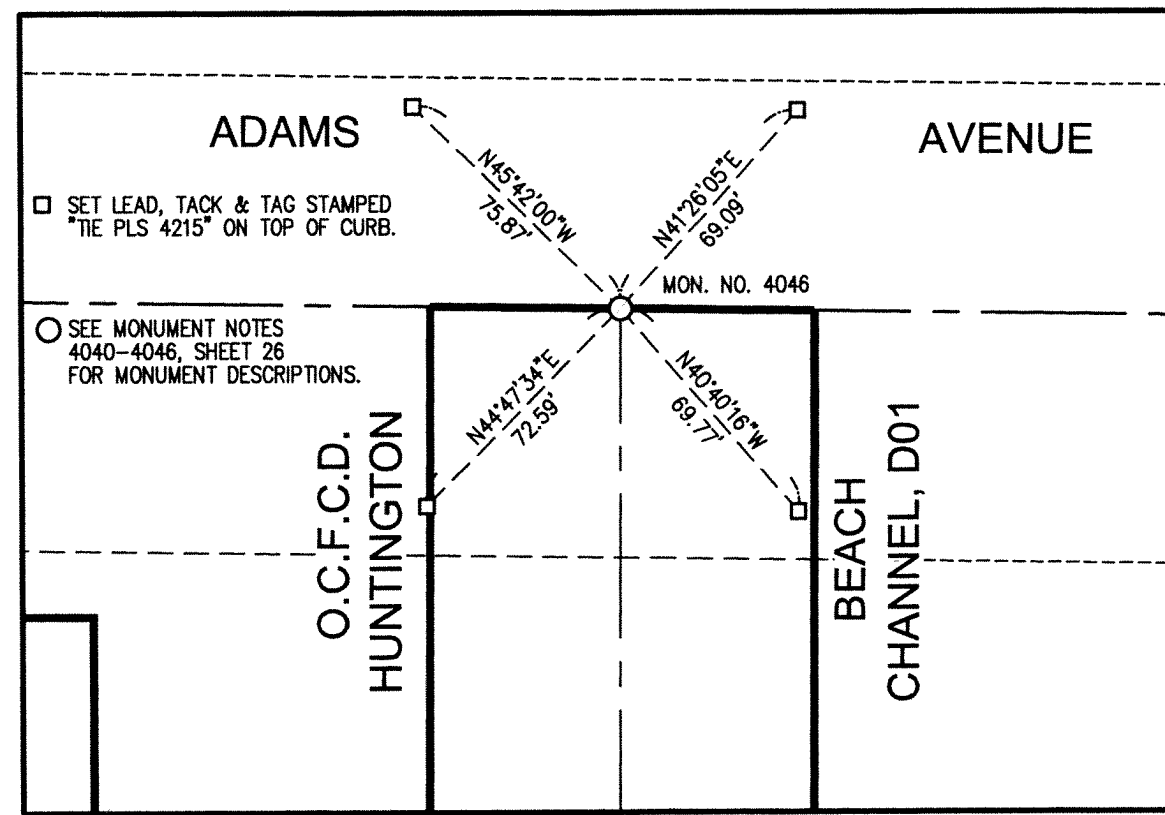
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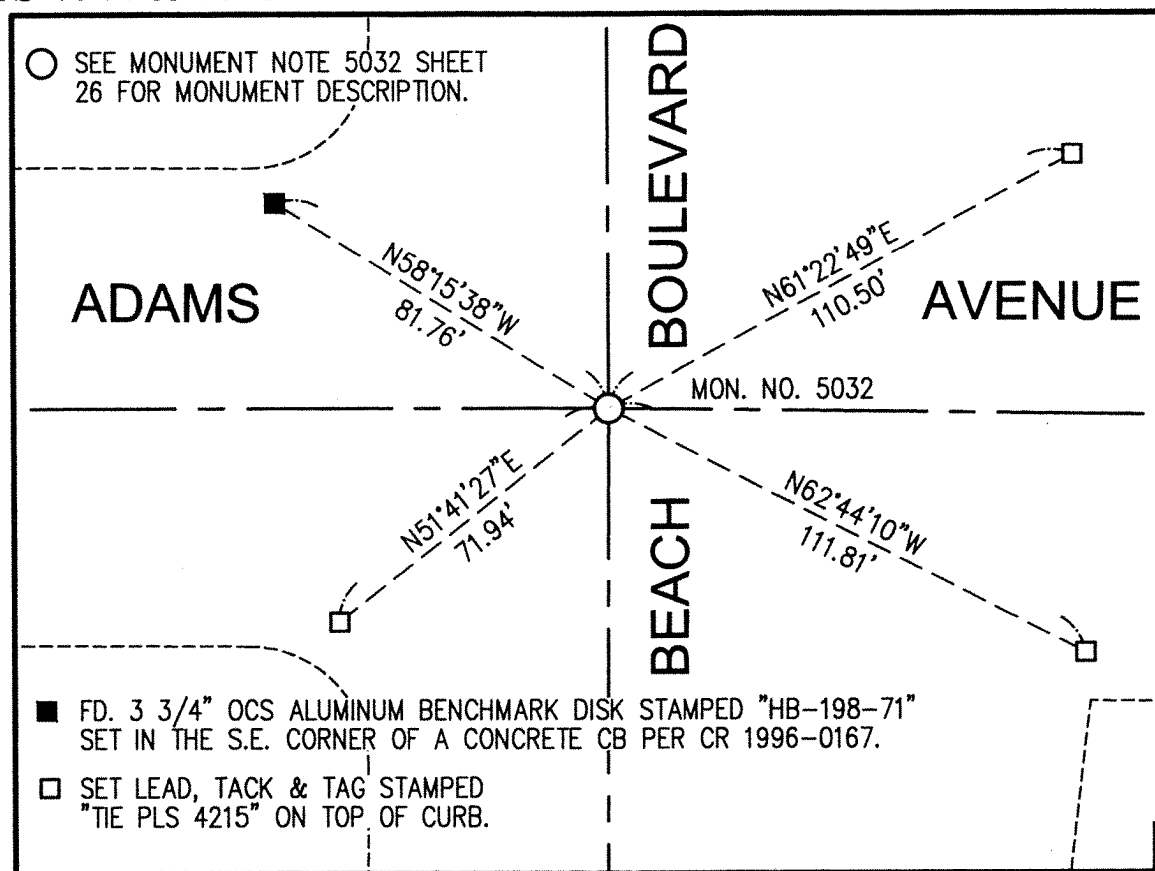
TIES FOR MONUMENT 4043



TIES FOR MONUMENTS 4044 & 4045



TIES FOR MONUMENT 4046



TIES FOR MONUMENT 5032

LINE LEGEND

- CHANNEL BOUNDARY LINE
- STREET & CHANNEL CENTERLINES
- STREET RIGHT-OF-WAY LINES
- SECTION LINES
- RADIAL LINES
- GIS RIGHT-OF-WAY FOR GRAPHIC DISPLAY ONLY

SHEET NOTE:

- SHEET 1 FOR COORDINATE, CONTROL, CADASTRAL CONTROL & SHEET INDEX.
- SHEET 2 FOR STATEMENT OF PURPOSE, DATUM STATEMENT, BASIS OF BEARINGS, MONUMENT SYMBOLS, RECORD REFERENCES LIST AND REFERENCE ABBREVIATIONS USED.
- SHEETS 3-21 FOR 1"=100' SCALE MAP SHEETS
- SHEETS 22-27 FOR MONUMENT DESCRIPTIONS
- SHEETS 28 & 29 FOR STATIONS & OUTS TO ADJACENT SUBDIVISION STREET MONUMENTS.
- SHEETS 30 - 33 FOR BOUNDARY NARRATIVES
- SHEET 34 FOR COORDINATE LISTS