



OC PUBLIC WORKS DEPARTMENT

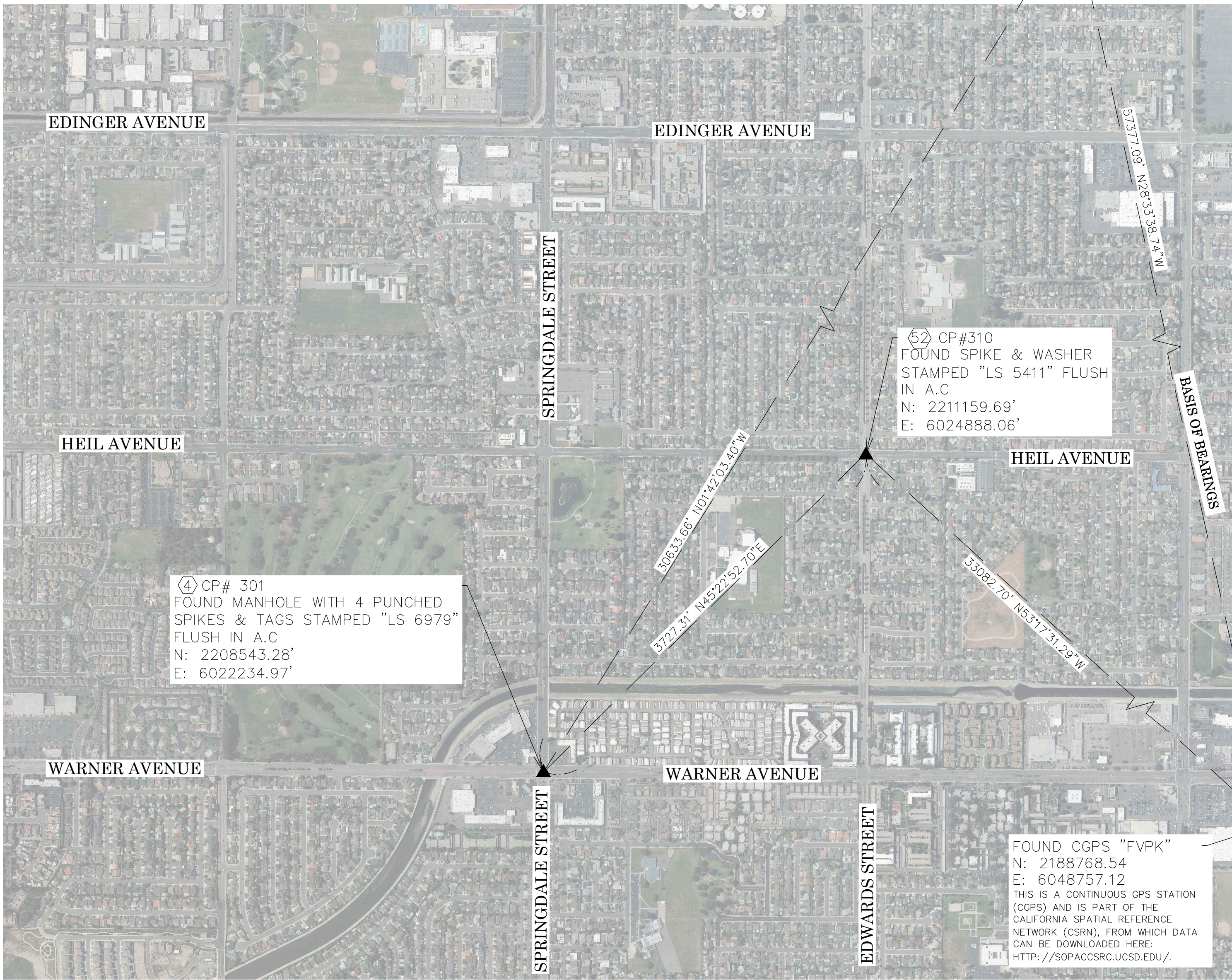
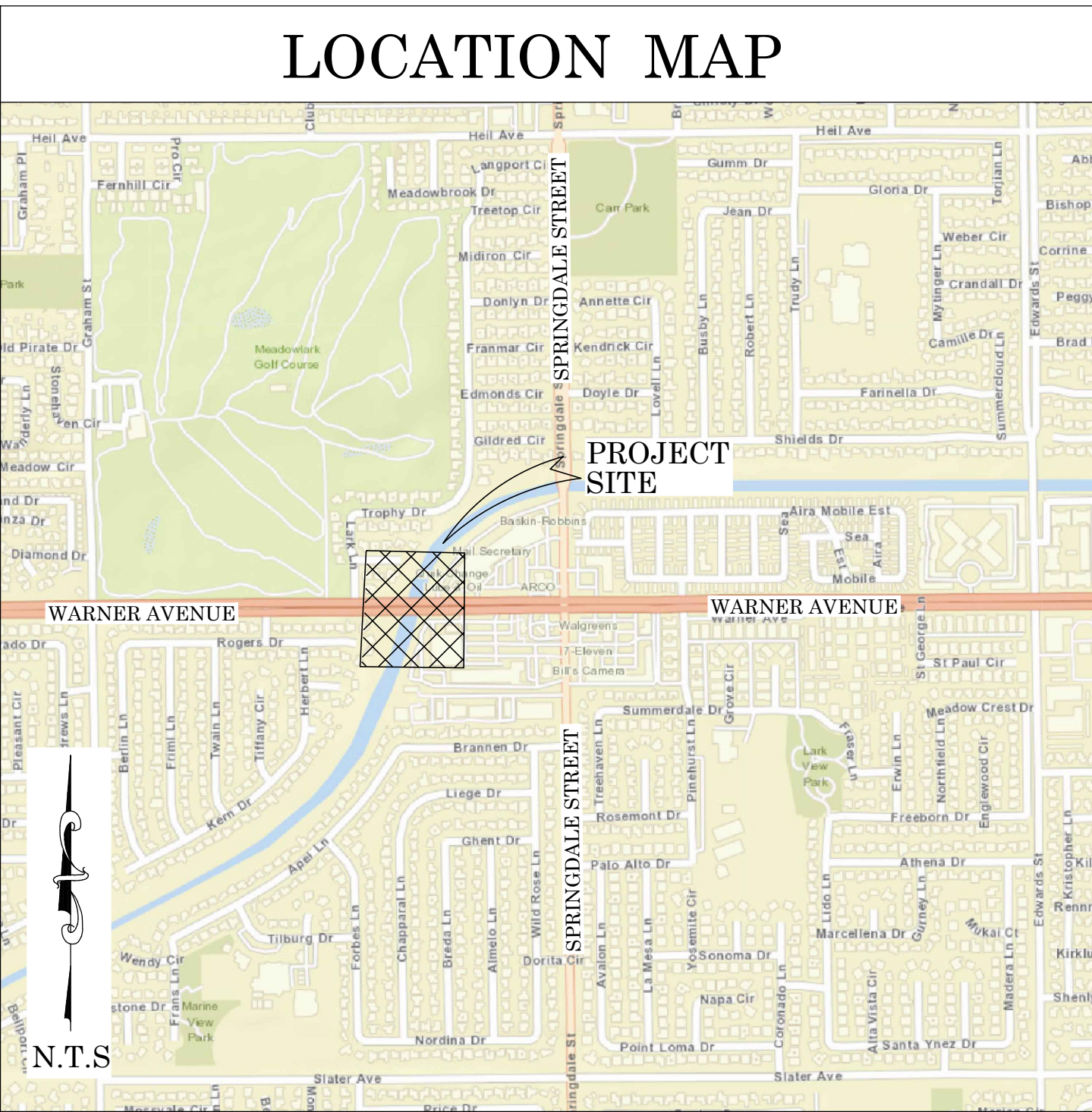
JAMES TREADAWAY, DIRECTOR OF PUBLIC WORKS

KEVIN HILLS, COUNTY SURVEYOR

WARNER AVE BRIDGE AT THE EAST GARDEN GROVE

WINTERSBURG CHANNEL (C05)

BRIDGE IMPROVEMENTS



BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS STATIONS (FVPK) AND (BLSA) BEING NORTH 28°33'38.74" WEST AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCE BY A COMBINED FACTOR OF 0.99998096

ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. BM. 1D-78-69 ELEV. = 14.943' YEAR LEVELED: 2005
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)
DESCRIPTION: FOUND 3-3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "1D-78-69", SET IN THE SOUTHEAST CORNER OF A CONCRETE BRIDGE DECK. MONUMENT IS LOCATED IN THE NORTHEAST CORNER OF THE INTERSECTION OF WARNER AVENUE GOLDENWEST STREET

NOTES

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPHIC RELATIONSHIPS ONLY AND IS NOT INTENDED FOR LAND ACQUISITION OR BOUNDARY PURPOSES.

SHEET INDEX

SHEET	NO.	DESCRIPTION
SHEET 1	1	TITLE SHEET
SHEET 2-4	2-4	BOUNDARY MAP
SHEET 5	5	TOPOGRAPHIC MAP

BASIS OF STATIONING

THE BASIS OF STATIONING FOR THIS PROJECT IS 100+56.70 HELD AT THE CENTERLINE INTERSECTION OF THE C05 CHANNEL & WARNER AVE PER O.C.F.C.D. FACILITY NO. C05 DWG: C05-101-12R SHEET 14

PURPOSE OF SURVEY

THE PURPOSE OF THIS SURVEY IS TO PROVIDE TOPOGRAPHIC DATA & RIGHT OF WAY ESTABLISHMENT IN CONJUNCTION WITH A BRIDGE IMPROVEMENT PROJECT

SENIOR LAND SURVEYOR'S CERTIFICATE:

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 19 DAY OF MAY, 2022.

MICHAEL KUBISTY, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 19 DAY OF MAY, 2022.

WADE WEAVER, PLS. DEPUTY COUNTY SURVEYOR

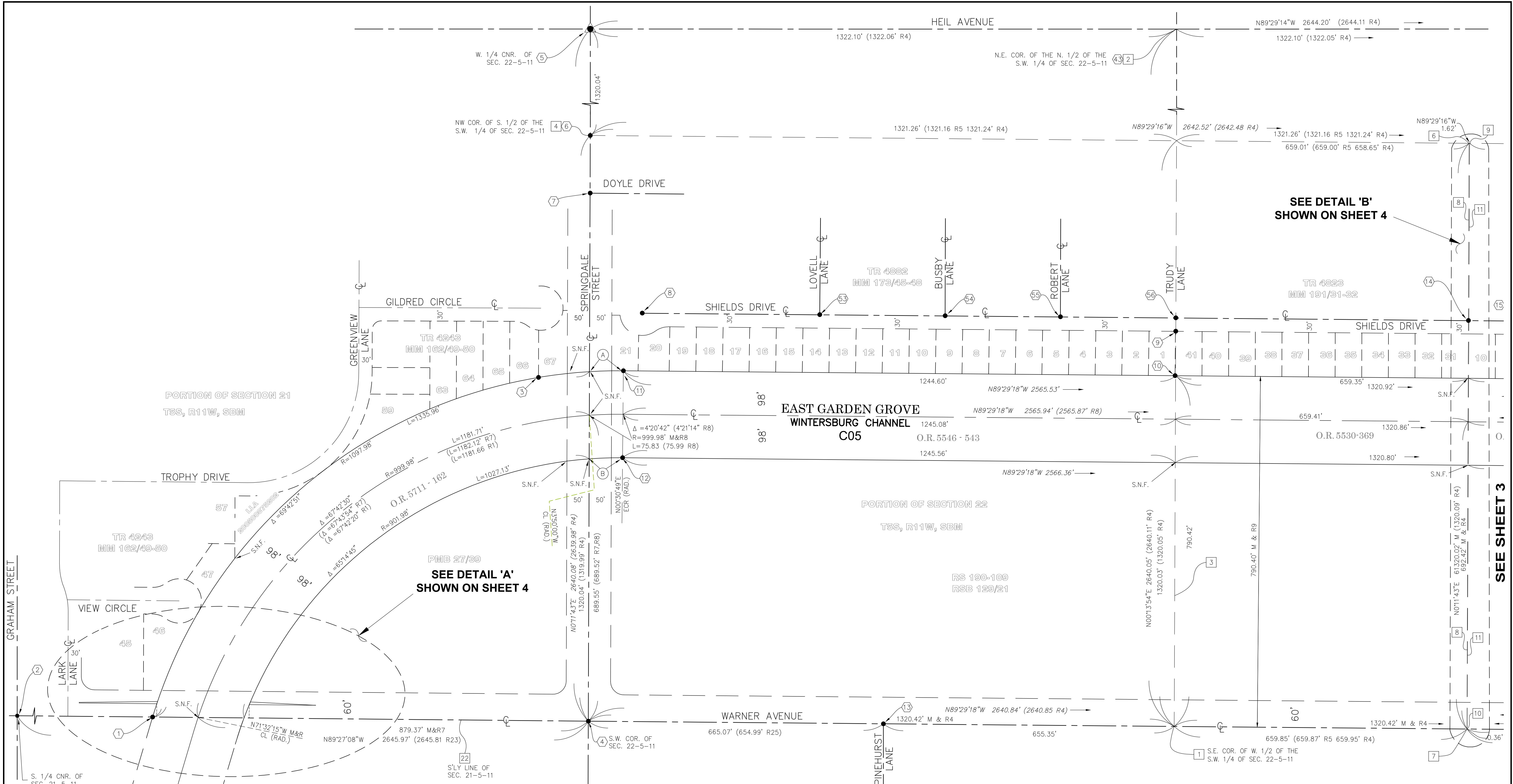


U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

TOPOGRAPHIC MAPPING PROJECT

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
			WARNER AVE BRIDGE AT THE EAST GARDEN GROVE WINTERSBURG CHANNEL (C05) BRIDGE IMPROVEMENTS	
			TITLE SHEET	
			PROJECT LIMITS: WARNER AVE BRIDGE @ THE WINTERSBURG CHANNEL C05	
			DATE OF SURVEY: APRIL, 2022	BY: T. LOFGREEN
			MAPPING	BY: K. MARTINEZ
			OFFICE CHECK	BY: M. KUBISTY, PLS
			FIELD CHECK	BY: T. LOFGREEN
			SCALE: N.T.S.	W.O. #EE21400
			FILE: WARNER_AVE_BRIDGE_TOPO_2022DWG.DWG	FILE #2122PW-FP0001
MARK	DATE	ITEM	SHEET NO.	
		REVISIONS	1 of 5	



BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS STATIONS (FVPK) AND (BLSA) BEING NORTH 28°33'38.74" WEST AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY A COMBINED FACTOR OF 1.0000190

THIS COMBINATION FACTOR WAS HELD AT: CP# 303
N: 2208605.394 E: 6021362.836 EL: 12.9'

ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

ESTABLISHMENT NOTES

3 SEE SHEET 4 FOR DETAILS

MONUMENT LEGEND

- FOUND MONUMENT
- ▲ FOUND GPS MONUMENT. SEE MONUMENT NOTES SHOWN ON SHEET 4 FOR DETAILS
- S.N.F. SEARCHED NOTHING FOUND
- 7 MONUMENT NUMBER. SEE SHEET 4 FOR DESCRIPTION AND NOTES

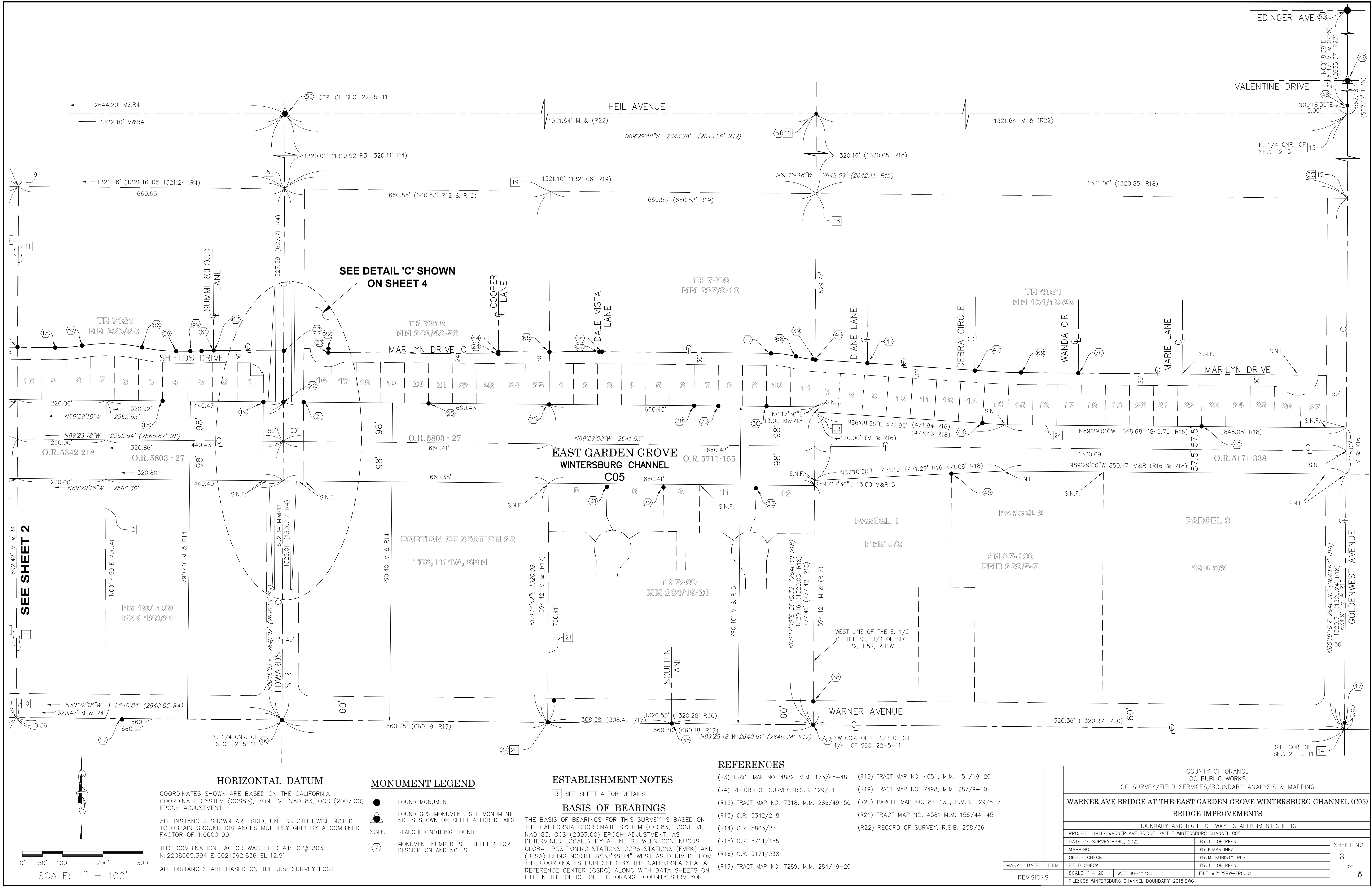
CURVE DATA (M&R11)

- A Δ = 3°59'06"
R=1097.98
L=76.37'
- B Δ = 4°47'01"
R=901.98
L=75.31'

REFERENCES

- (R1) TRACT MAP NO. 4243, M.M. 162/49-50
- (R2) PARCEL MAP, P.M.B. 27/39
- (R3) TRACT MAP NO. 4882, M.M. 173/45-48
- (R4) RECORD OF SURVEY, R.S.B. 129/21
- (R5) TRACT MAP NO. 4823, M.M. 191/31-32
- (R6) TRACT MAP NO. 7321, M.M. 285/6-7
- (R7) O.R. 5711/162
- (R8) O.R. 5546/543
- (R9) O.R. 5530/369
- (R11) O.R. 5546/543
- (R23) PARCEL MAP, P.M.B. 27/39
- (R24) RECORD OF SURVEY 2007-1107, R.S.B. 221/30

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
WARNER AVE BRIDGE AT THE EAST GARDEN GROVE WINTERSBURG CHANNEL (C05) BRIDGE IMPROVEMENTS						
BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS						
PROJECT LIMITS: WARNER AVE BRIDGE @ THE WINTERSBURG CHANNEL C05						
DATE OF SURVEY: APRIL, 2022			BY: T. LOFGREEN		SHEET NO. 2 of 5	
MAPPING			BY: K. MARTINEZ			
OFFICE CHECK			BY: M. KUBISTY, PLS			
FIELD CHECK			BY: T. LOFGREEN			
MARK	DATE	ITEM	SCALE: 1" = 20'		W.O. #EE21400	
REVISIONS			FILE: C05 WINTERSBURG CHANNEL BOUNDARY_2018.DWG			
			FILE # 2122PW-FP0001			



HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT.

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THIS COMBINATION FACTOR WAS HELD AT: CP# 303
N: 2208605.394 E: 6021362.836 EL: 12.9'

ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

MONUMENT LEGEND

- FOUND MONUMENT
- ▲ FOUND GPS MONUMENT. SEE MONUMENT NOTES SHOWN ON SHEET 4 FOR DETAILS
- S.N.F. SEARCHED NOTHING FOUND
- 7 MONUMENT NUMBER. SEE SHEET 4 FOR DESCRIPTION AND NOTES

ESTABLISHMENT NOTES

3 SEE SHEET 4 FOR DETAILS

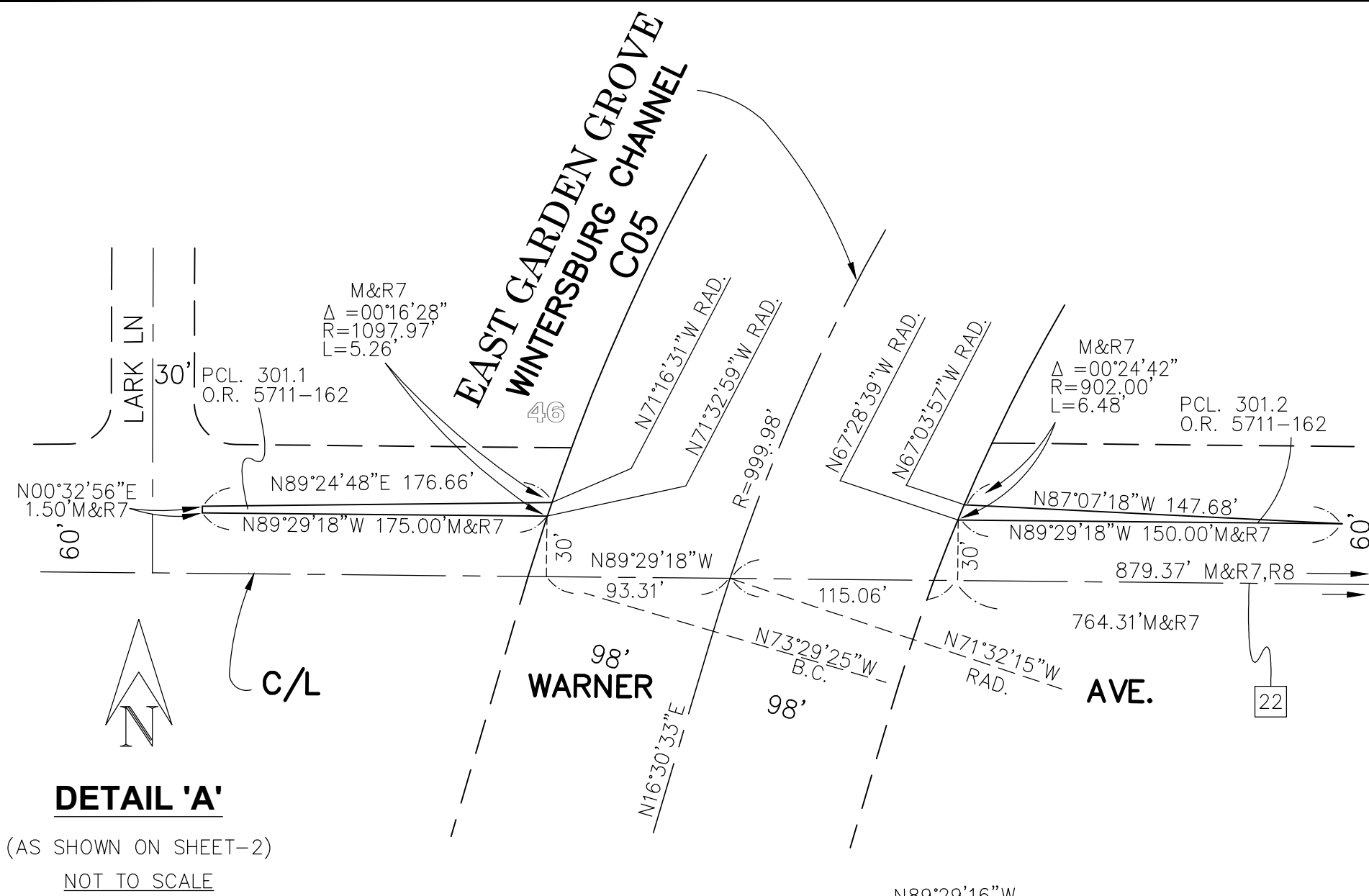
BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS STATIONS (FVPK) AND (BSLA) BEING NORTH 28°33'38.74" WEST AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

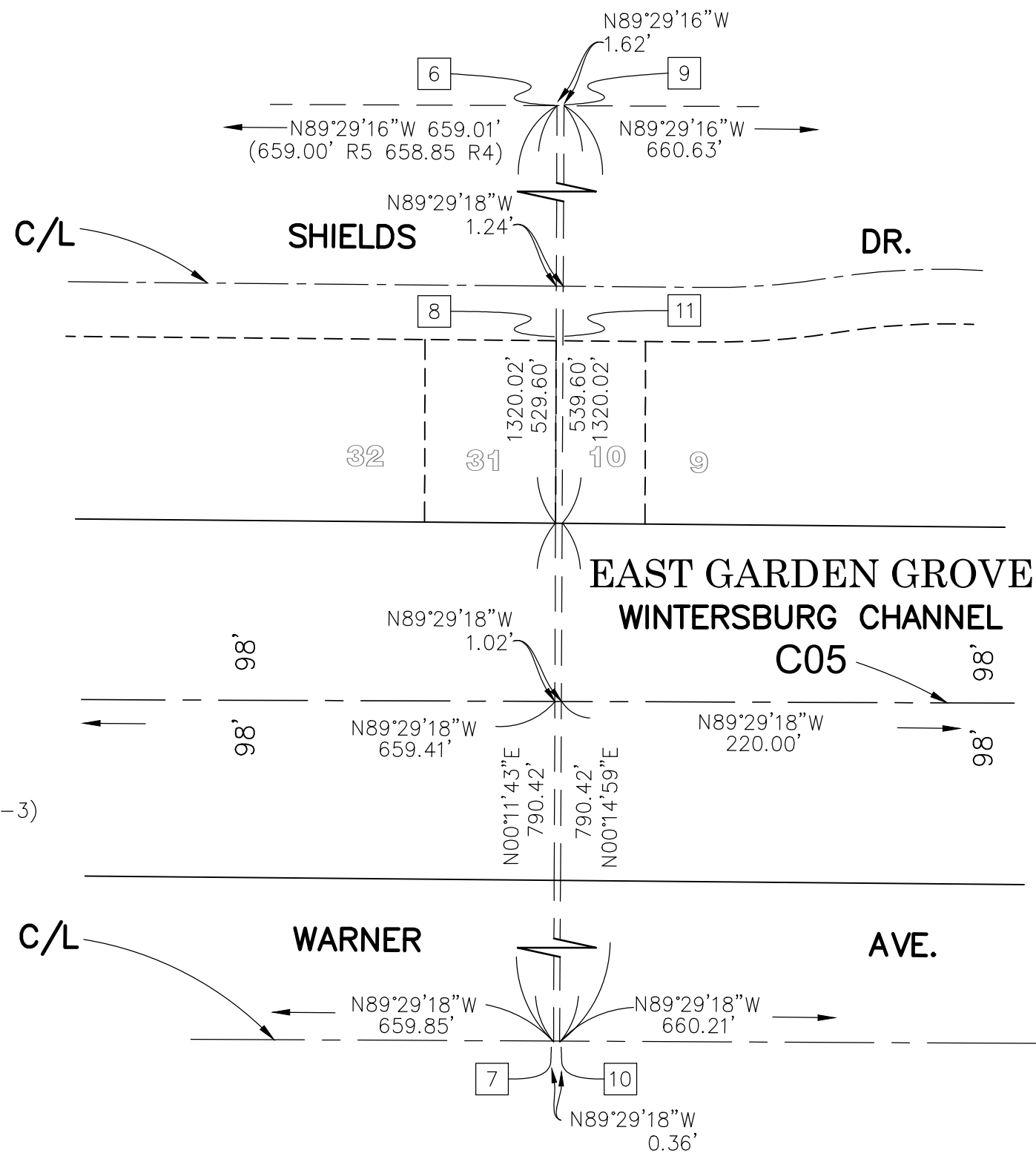
REFERENCES

- (R3) TRACT MAP NO. 4882, M.M. 173/45-48
- (R4) RECORD OF SURVEY, R.S.B. 129/21
- (R12) TRACT MAP NO. 7318, M.M. 286/49-50
- (R13) O.R. 5342/218
- (R14) O.R. 5803/27
- (R15) O.R. 5711/155
- (R16) O.R. 5171/338
- (R17) TRACT MAP NO. 7289, M.M. 284/19-20
- (R18) TRACT MAP NO. 4051, M.M. 151/19-20
- (R19) TRACT MAP NO. 7498, M.M. 287/9-10
- (R20) PARCEL MAP NO. 87-130, P.M.B. 229/5-7
- (R21) TRACT MAP NO. 4381 M.M. 156/44-45
- (R22) RECORD OF SURVEY, R.S.B. 258/36

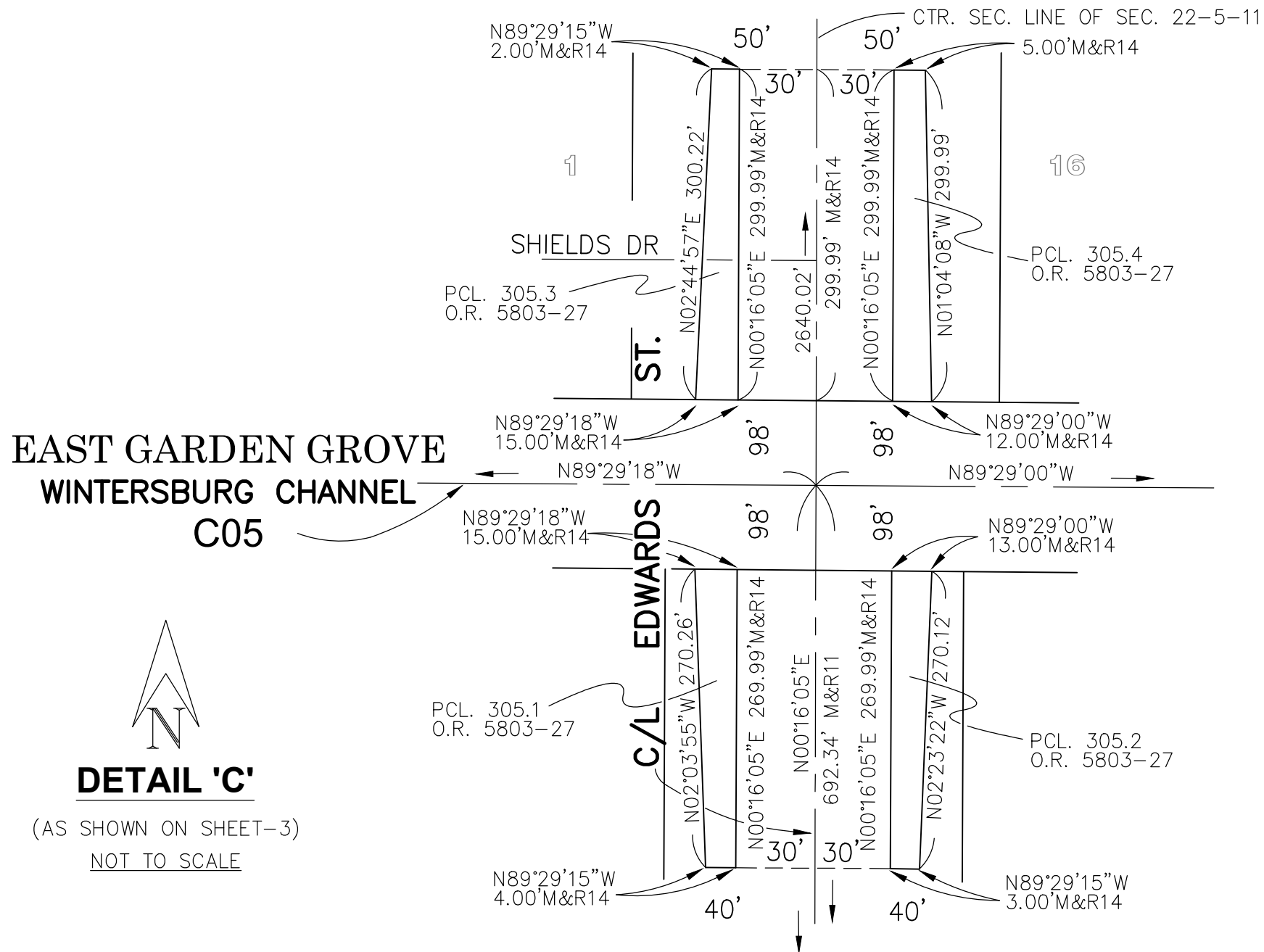
			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			WARNER AVE BRIDGE AT THE EAST GARDEN GROVE WINTERSBURG CHANNEL (C05) BRIDGE IMPROVEMENTS				
			BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS				
			PROJECT LIMITS: WARNER AVE BRIDGE @ THE WINTERSBURG CHANNEL C05				
			DATE OF SURVEY: APRIL, 2022		BY: T. LOFGREEN		SHEET NO. 3 of 5
			MAPPING		BY: K. MARTINEZ		
			OFFICE CHECK		BY: M. KUBISTY, PLS		
FIELD CHECK		BY: T. LOFGREEN					
MARK	DATE	ITEM	SCALE: 1" = 20' W.O. #EE21400 FILE: C05 WINTERSBURG CHANNEL BOUNDARY_2018.DWG				



DETAIL 'A'
(AS SHOWN ON SHEET-2)
NOT TO SCALE



DETAIL 'B'
(AS SHOWN ON SHEET-3)
NOT TO SCALE



DETAIL 'C'
(AS SHOWN ON SHEET-3)
NOT TO SCALE

MONUMENT NOTES

- FOUND GEAR S&W, TAG LS 6970, FLUSH IN CONCRETE PER C.R. 2004-1384, S00'32'52"W 0.04'
- FOUND SPIKE & 1-1/2" WASHER, LS 6970, FLUSH IN AC PER C.R. 2004-1381B, ACCEPTED AS THE S. 1/4 CENTER OF SEC. 21-5-11 PER (R23)
- FOUND 1" I.P. W/ TAG LS 3039, DN. 0.8' IN DIRT PER (R1), N09'27'59"W 0.13'
- FOUND MANHOLE W/ 4-PUNCHED SPIKES W/ TAGS LS 6970 FLUSH IN AC PER C.R. 2004-1383B, ACCEPTED AS S.W. COR. OF SEC. 22-5-11 PER (R4)
- FOUND GEAR SPIKE & 1-1/2" WASHER STAMPED "CITY OF HUNTINGTON BEACH" FLUSH IN AC, PER CR 2013-2748, ACCEPTED AS W 1/4 COR. OF 22-5-11 PER (R4)
- FOUND GEAR S&W STAMPED "CITY OF HUNTINGTON BEACH" FLUSH IN AC, PER CR 2013-2746, S34'05'20"W 0.06'
- FOUND GEAR S&W STAMPED "CITY OF HUNTINGTON BEACH" FLUSH IN AC, PER CR 2013-2745, N89'48'17"E 0.07'
- FOUND 2" ALUMINUM CAP STAMPED RCE 27988, FLUSH IN AC, NO REF, N00'30'42"E 0.09'
- FOUND 2" I.P. W/ TAG ILLEGIBLE UNDER CONCRETE HEADER, DN. 0.45' IN CONCRETE, S52'49'52"E 0.09' PER (R3)
- FOUND 2" I.P. NO TAG, DN. 1.6' DN. 0.8' IN DIRT PER (R3), N00'30'42"E 0.30'
- FOUND 3 1/2" I.P. W/ PUNCHED BRASS DISK, STAMPED "OFC CD RW" FLUSH IN DIRT, PER A/5-11&12-734 , N43'22'46"E 0.15'
- FOUND 2" I.P. NO TAG DN. 1.8' IN DIRT, NO REF., S38'37'39"E 0.14'
- FOUND MAG N&W LS 5411 PER C.R. 2004-0491B, ACCEPTED AS CENTERLINE INTERSECTION OF PINEHURST LANE AND WARNER AVENUE PER (R25)
- FOUND 2" ALUMINUM CAP STAMPED RCE 27998 FLUSH IN AC, NO REF, ON E'LY LINE OF THE WEST 60 ACRES OF S 1/2 OF S 1/4 OF SEC 22-5-11 PER (R5), N00'11'43"E 0.28' (PRE-CONSTRUCTION CR 2015-2378, NO POST-CONSTRUCTION CR AVAILABLE)
- FOUND 2" ALUMINUM CAP STAMPED RCE 27998 FLUSH IN AC, NO REF, N00'30'42"E 0.24' (PRE-CONSTRUCTION CR 2015-2378, NO POST-CONSTRUCTION CR AVAILABLE)
- FOUND PK N&W LS 5411 FLUSH IN AC PER C.R. 2004-0149B, ACCEPTED AS THE S. 1/4 CNR. OF SEC. 22-5-11 PER (R4)
- FOUND ORANGE COUNTY SURVEY CAP, FLUSH IN MEDIAN, NO REFERENCE
- FOUND 1" I.P. NO TAG DN. 1.2' IN DIRT PER (R6), N00'30'42"E 0.16'
- FOUND 1" I.P. NO TAG DN. 1.4' IN DIRT PER (R6), N24'11'53"E 0.16'
- FOUND MAG N&W W/ TAG LS 5411, FLUSH IN AC, PER CR 2005-0823 N14'35'07"E 0.26'
- FOUND 2" I.P. NO TAG, DN. 1.20' IN DIRT PER (R12), N63'00'33"E 0.24'
- FOUND BROKEN SQUARE SHAFT OF SPIKE, FLUSH IN AC, PER (R12) N06'05'02"E 0.17'
- FOUND SPIKE W/ PUNCH, FLUSH IN AC, PER (R12) N00'31'00"E 0.15'
- FOUND SPIKE W/ PUNCH, WITH 2 1/4" TIN & WASHER, FLUSH IN AC, PER (R12) N00'31'00"E 0.11'
- FOUND 1" I.P. W/ TAG RCE 12443, DN. 1.1' IN DIRT PER (R12), N00'31'00"E 0.19'
- FOUND 2" I.P. W/ TAG RCE 12443 DN. 0.8' IN DIRT PER (R19), N15'05'09"E 0.23'
- FOUND SPIKE W/ PUNCH, FLUSH IN AC, PER (R19) N00'31'00"E 0.06'
- FOUND 1" I.P. TAG ILLEGIBLE, DN. 1.3' IN DIRT PER (R19), N00'31'00"E 0.28'
- FOUND 1" I.P. NO TAG, DN. 1.3' IN DIRT PER (R19), N00'31'00"E 0.25'
- FOUND 1" I.P. TAG ILLEGIBLE, DN. 1.3' IN DIRT PER (R19), N00'31'00"E 0.17'
- FOUND 1" I.P. W/ TAG LS 2921, DN. 0.4' IN DIRT, ON 2' S'LY OFFSET PER (R17), S00'31'00"W 0.13'
- FOUND 1" I.P. NO TAG, DN. 0.5' IN DIRT ON 2' S'LY OFFSET PER (R17), N00'31'00"E 0.17'
- FOUND 1" I.P. W/ TAG LS 2921, DN. 0.8' IN DIRT ON 2' S'LY OFFSET PER (R17), N00'31'00"E 0.08'
- FOUND PK N&W LS 5411 FLUSH IN AC PER C.R. 2004-0489B, ACCEPTED AS BEING ON E'LY LINE OF W 1/2 OF SW 1/4 OF SE 1/4 OF SEC 22-5-11 PER (R17) N00'16'52"E 0.09'
- FOUND GEAR S&W STAMPED "LS 5344", DN. 0.2' IN AC, PER CR 2007-2463, N67'43'31"W 0.08'

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS STATIONS (FVPK) AND (BLSA) BEING NORTH 28°33'38.74" WEST AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

MONUMENT NOTES (CONT.)

- FOUND PK N&W LS 5411 FLUSH IN AC PER C.R. 2004-0495, N00'31'00"E 0.06'
- FOUND 1" I.P. NO TAG PER C.R. 2004-0496B, ACCEPTED AS SW COR OF E. 1/2 OF THE S.E. COR. OF SEC. 22-5-11 PER (R17)
- FOUND L&T LS 2681 FLUSH IN CONCRETE BACK OF WALK ON 2' OFFSET NO REF, N89'42'30"E 0.03'
- FOUND SPIKE W/ PUNCH, DN. 0.2' IN AC, PER (R19) N03'53'23"E 0.05'
- FOUND MAG N&W STAMPED 'BRUCE HALL' LS 4743 FLUSH IN AC, NO REF, N60'18'11"E 0.17'
- FOUND SPIKE W/ PUNCH, DN. 0.4' IN AC, PER (R18) N03'51'03"E 0.06'
- FOUND SPIKE W/ PUNCH, FLUSH IN AC PER (R18), N03'51'03"E 0.18' (RADIAL)
- FOUND MAG S&W STAMPED "CITY OF HB", FLUSH IN AC, NO REF, N49'39'36"W 0.36' (PRE-CONSTRUCTION CR 2016-2887, NO POST-CONSTRUCTION CR AVAILABLE)
- FOUND 1" I.P. W/ TAG RCE 9983, PIPE LEANING 0.2' S'LY PER (R18), N03'51'02"E 0.23'
- FOUND 2" I.P. W/ TAG LS 2681, DN. 0.6' IN AC PER (R27)
- FOUND 1" I.P. NO TAG, DN. 0.8' IN DIRT PER (R18), N00'31'00"E 0.08'
- FOUND PK N&W LS 5411 PER C.R. 2004-0148B, ACCEPTED AS 5' OFFSET FROM S.E. CNR. OF SEC. 22-5-11 PER (R20),
- FOUND MAG NAIL & 1-1/2" WASHER LS 6970, FLUSH IN AC PER C.R. 2016-0627, ACCEPTED AS 5' OFFSET FROM THE E. 1/4 OF SEC. 22-5-11 PER (R22)
- FOUND WELL MONUMENT WITH PUNCHED S&W LS 2911, DN. 0.9' PER CR 2007-2466 AND O.C.S. GPS #5106
- FOUND MAG N&W LS 6970, FLUSH IN AC PER C.R. 2007-2469B
- FOUND MAG S&W STAMPED "CITY OF HB" FLUSH IN AC, PER CR 2016-2882, N42'26'09"W 0.23'
- FOUND MAG N&W LS 5411 PER C.R. 2016-0635, ACCEPTED AS CENTER SECTION OF SEC. OF 22-5-11 PER (R4)
- FOUND 2" ALUMINUM CAP STAMPED RCE 27998, FLUSH IN AC, NO REF, N00'30'42"E 0.10' (PRE-CONSTRUCTION CR 2015-2370, NO POST-CONSTRUCTION CR AVAILABLE)
- FOUND 2" ALUMINUM CAP STAMPED RCE 27998, FLUSH IN AC, NO REF, N00'30'42"E 0.06' (PRE-CONSTRUCTION CR 2015-2371, NO POST-CONSTRUCTION CR AVAILABLE)
- FOUND 2" ALUMINUM CAP STAMPED RCE 27998, FLUSH IN AC, NO REF, N00'30'42" 0.08' (PRE-CONSTRUCTION CR 2015-2372, NO POST-CONSTRUCTION CR AVAILABLE)
- FOUND 2" ALUMINUM CAP STAMPED RCE 27998, FLUSH IN AC, NO REF, N72'46'36"E 0.13' (PRE-CONSTRUCTION CR 2015-2373, NO POST-CONSTRUCTION CR AVAILABLE)
- FOUND 2" ALUMINUM CAP STAMPED RCE 27998, FLUSH IN AC, N09'03'19"W 0.23' (RADIAL)
- FOUND 2" ALUMINUM CAP STAMPED RCE 27998, FLUSH IN AC, NO REF, N12'26'22"E 0.26' (PRE-CONSTRUCTION CR 2015-2378, NO POST-CONSTRUCTION CR AVAILABLE)
- FOUND 2" ALUMINUM CAP STAMPED RCE 27998, FLUSH IN AC, NO REF, N00'16'05"E 0.23' (PRE-CONSTRUCTION CR 2015-2378, NO POST-CONSTRUCTION CR AVAILABLE)
- FOUND 2" ALUMINUM CAP STAMPED RCE 27998, FLUSH IN AC, NO REF, N00'16'05"E 0.27' (PRE-CONSTRUCTION CR 2015-2378, NO POST-CONSTRUCTION CR AVAILABLE)
- FOUND MAG NAIL AND WASHER STAMPED LS 5411 FLUSH IN AC, PER CR 2005-0823, N55'37'31"E 0.20'
- FOUND SPIKE W/ PUNCH, FLUSH IN AC, PER (R12)
- FOUND SPIKE W/ PUNCH, FLUSH IN AC, ON E'LY LINE OF THE WEST 1/2 OF SW 1/4 OF THE SE 1/4 OF SEC 22-5-11 PER (R19) N00'16'52"E 0.09'
- FOUND SPIKE W/ PUNCH, FLUSH IN AC, PER (R19) N00'31'00"E 0.10'
- FOUND C-NAIL S 0.07' & W 0.02' OF 66' NO REF
- FOUND PUNCHED S&W W/ 2 1/4" TIN, FLUSH IN AC PER (R19)
- FOUND SPIKE W/ PUNCH, FLUSH IN AC, NO REF, N00'31'00"E 0.15'
- FOUND SPIKE W/ PUNCH, FLUSH IN AC, NO REF, N00'31'00"E 0.13'

HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2007.00) EPOCH ADJUSTMENT.

ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY A COMBINED FACTOR OF 1.0000190 THIS COMBINATION FACTOR WAS HELD AT: CP# 303
N: 2208605.394 E: 6021362.836 EL: 12.9'

ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

ESTABLISHMENT NOTES

- ESTABLISHED AS THE SE CORNER OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF SEC 22-5-11 BY PROPORTION
- ESTABLISHED AS THE NE CORNER OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF SEC 22-5-11 BY PROPORTION
- ESTABLISHED AS THE E'LY LINE OF THE WEST 1/2 OF SW 1/4 OF SEC 22-5-11 BY LINE BETWEEN SE CORNER OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF SEC 22-5-11 (SEE ESTABLISHMENT NOTE 11) AND NE CORNER OF THE WEST 1/2 OF THE SOUTHWEST 1/4 OF SEC 22-5-11 (SEE ESTABLISHMENT NOTE 21)
- ESTABLISHED AS THE NW CORNER OF THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF SEC 22-5-11 BY PROPORTION
- ESTABLISHED AS THE NE CORNER OF THE S 1/2 OF THE SW 1/4 OF SEC 22-5-11 BY PROPORTION BETWEEN FOUND MONUMENTS 16 AND 62
- ESTABLISHED AS THE NE'LY CORNER OF THE WEST 60 AC OF THE S 1/2 OF SW 1/4 SEC 22-5-11 PER (R5) BY INTERSECTION
- ESTABLISHED AS THE SE'LY CORNER OF THE WEST 60 AC OF THE S 1/2 OF SW 1/4 SEC 22-5-11 PER (R5) BY INTERSECTION
- ESTABLISHED AS THE E'LY LINE OF THE WEST 60 ACRES OF THE S 1/2 OF THE SW 1/4 OF SEC 22-5-11. HELD LINE PARALLEL WITH W'LY LINE OF SEC 22-5-11 THROUGH FOUND MONUMENT 14 SAID E'LY LINE ALSO BEING THE E'LY LINE OF TRACT NO. 4823 PER (R5)
- ESTABLISHED AS THE NW CORNER OF THE E 1/2 OF THE SE 1/4 OF THE SW 1/4 OF SEC 22-5-11 BY PROPORTION
- ESTABLISHED AS THE SW CORNER OF THE E 1/2 OF THE SE 1/4 OF THE SW 1/4 OF SEC 22-5-11 BY PROPORTION
- ESTABLISHED AS THE W'LY LINE OF THE E 1/2 OF SE 1/4 OF THE SW 1/4 OF SEC 22-5-11 BY LINE BETWEEN THE NW CORNER OF THE E 1/2 OF THE SW 1/4 OF THE SW 1/4 OF SEC 22-5-11 (SEE ESTABLISHMENT NOTE 9) AND SW CORNER OF THE E 1/2 OF THE SE 1/4 OF THE SW 1/4 OF SEC 22-5-11 (SEE ESTABLISHMENT NOTE 10)
- ESTABLISHED AS THE E'LY LINE OF THE WEST 13 1/3 RODS (220.00') OF THE EAST 1/2 OF THE SOUTHEAST 1/4 OF SEC 22-5-11 BY DISTANCE CALL AND PARALLEL LINE. PARALLEL LINE MEASURED FROM ESTABLISHED W'LY LINE OF E 1/2 OF THE SE 1/4 OF THE SW 1/4 OF SEC 22-5-11 (SEE ESTABLISHMENT NOTE 11) PER (R13)
- SEARCHED, FOUND NOTHING. ACCEPTED AS E 1/4 CORNER OF SEC 22-5-11 PER (R21). ESTABLISHED BY SOUTHERLY PROLONGATION OF LINE BETWEEN MONUMENTS 50 AND 48 HOLDING RECORD DISTANCE PER (R22).
- SEARCHED, FOUND NOTHING. ACCEPTED AS SE CORNER OF SEC 22-5-11 PER (R21). ESTABLISHED BY SOUTHERLY PROLONGATION OF LINE BETWEEN ESTABLISHED E 1/4 CORNER OF SEC 22-5-11 (SEE ESTABLISHMENT NOTE 13) AND MONUMENT 47 HOLDING RECORD DISTANCE PER (R24).
- ESTABLISHED AS THE NE CORNER OF THE SOUTH 1/2 OF THE SOUTHEAST 1/4 OF SEC 22-5-11 BY PROPORTION
- ESTABLISHED AS NORTHWEST CORNER OF EAST 1/2 OF SOUTHEAST 1/4 OF SEC 22-5-11 BY PROPORTION BETWEEN ESTABLISHED E 1/4 CORNER OF SEC 22-5-11 (SEE ESTABLISHMENT NOTE 14) AND FOUND MONUMENT 62
- ESTABLISHED AS THE W'LY LINE OF THE E 1/2 OF THE SE 1/4 OF SEC 22-5-11 BY LINE CREATED BETWEEN MONUMENT 37 AND ESTABLISHED NORTHWEST CORNER OF EAST 1/2 OF SOUTHEAST 1/4 OF SEC 22-5-11 (SEE ESTABLISHMENT NOTE 16)
- ESTABLISHED AS THE NE CORNER OF THE SW 1/4 OF THE SE 1/4 OF SEC 22-5-11 BY INTERSECTION
- ESTABLISHED AS THE NE CORNER OF THE W 1/2 OF THE SW 1/4 OF THE SE 1/4 OF SEC 22-5-11 BY PROPORTION
- ESTABLISHED AS SOUTHEAST CORNER OF WEST 1/2 OF SW 1/4 OF SE 1/4 OF SEC 22-5-11 BY INTERSECTION. SOUTHERLY LINE OF SEC 22-5-11 WITH S'LY PROLONGATION OF LINE CREATED BETWEEN NE COR OF THE W 1/2 OF THE SW 1/4 OF THE SE 1/4 OF SEC 22-5-11 (SEE ESTABLISHMENT NOTE 19) AND MONUMENT 34
- ESTABLISHED AS THE E'LY LINE OF THE WEST 1/2 OF SW 1/4 OF THE SE 1/4 OF SEC 22-5-11 BY LINE BETWEEN THE NE CORNER OF THE W 1/2 OF THE SW 1/4 OF THE SE 1/4 OF SEC 22-5-11 (SEE ESTABLISHMENT NOTE 19) AND SOUTHEAST CORNER OF WEST 1/2 OF SW 1/4 OF SE 1/4 OF SEC 22-5-11 (SEE ESTABLISHMENT NOTE 20)
- ESTABLISHED AS THE S'LY LINE OF SEC 21-5-11 BY LINE BETWEEN MONUMENT 2 AND 4.
- HELD RECORD ANGLE PER (R16)
- HELD RECORD DISTANCE AND PARALLEL TO S'LY LINE PER (R16)

REFERENCES

- | | |
|--|---|
| (R1) TRACT MAP NO. 4243, M.M. 162/49-50 | (R15) O.R. 5711/155 |
| (R2) PARCEL MAP, P.M.B. 27/39 | (R16) O.R. 5171/338 |
| (R3) TRACT MAP NO. 4882, M.M. 173/45-48 | (R17) TRACT MAP NO. 7289, M.M. 284/19-20 |
| (R4) RECORD OF SURVEY, R.S.B. 129/21 | (R18) TRACT MAP NO. 4051, M.M. 151/19-20 |
| (R5) TRACT MAP NO. 4823, M.M. 191/31-32 | (R19) TRACT MAP NO. 7498, M.M. 287/9-10 |
| (R6) TRACT MAP NO. 7321, M.M. 285/6-7 | (R20) PARCEL MAP NO. 87-130, P.M.B. 229/5-7 |
| (R7) O.R. 5711/162 | (R21) TRACT MAP NO. 4381 M.M. 156/44-45 |
| (R8) O.R. 5546/543 | (R22) RECORD OF SURVEY, R.S.B. 258/36 |
| (R9) O.R. 5530/369 | (R23) PARCEL MAP, P.M.B. 27/39 |
| (R11) O.R. 5546/543 | (R24) RECORD OF SURVEY 2007-1107, R.S.B. 221/30 |
| (R12) TRACT MAP NO. 7318, M.M. 286/49-50 | (R25) TRACT MAP NO. 6087, M.M. 222/23-24 |
| (R13) O.R. 5342/218 | (R26) RECORD OF SURVEY. R.S.B. 166/49 |
| (R14) O.R. 5803/28 | (R27) PARCEL MAP, P.M.B. 5/2 |

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				
			WARNER AVE BRIDGE AT THE EAST GARDEN GROVE WINTERSBURG CHANNEL (C05) BRIDGE IMPROVEMENTS				
			BOUNDARY AND RIGHT OF WAY ESTABLISHMENT SHEETS				
			PROJECT LIMITS: WARNER AVE BRIDGE @ THE WINTERSBURG CHANNEL C05				
			DATE OF SURVEY: APRIL, 2022 MAPPING		BY: T. LOFGREEN BY: K. MARTINEZ		SHEET NO. 4 of 5
			OFFICE CHECK FIELD CHECK		BY: M. KUBISTY, PLS BY: T. LOFGREEN		
MARK	DATE	ITEM	SCALE: 1" = 20' W.O. #EE21400 FILE: C05 WINTERSBURG CHANNEL BOUNDARY_2018.DWG				

SYMBOL

Benchmark

Control Box Undefined

Control Point

Fire Hydrant

Gate, Double

Gate, Single

Light Pole, Single

Manhole Sewer

Manhole Telephone

Meter Water

Pier Column

Post

Pull Box Cable TV

Pull Box Traffic

Pull Box Undefined

Sign Post

Tree

Tree, Palm

Utility Pole, No Light

Valve Gas

Valve Irrigation

Valve Water

Vault Electrical

LEGEND

LINE PATTERN KEY

Block Wall

Concrete Wall

Edge of Concrete

Edge of Asphalt Pavement

Exposed Pipe

Fence Chainlink

Flowline

Grade Line

Hinge Point

AREA PATTERN KEY

Concrete

Brick

Dirt

Grass

Gravel

Rip Rap

ABBREVIATION

CL

Centerline

CP

Control Point

DWY

Driveway

EL

Elevation

FL

Flowline

R/W

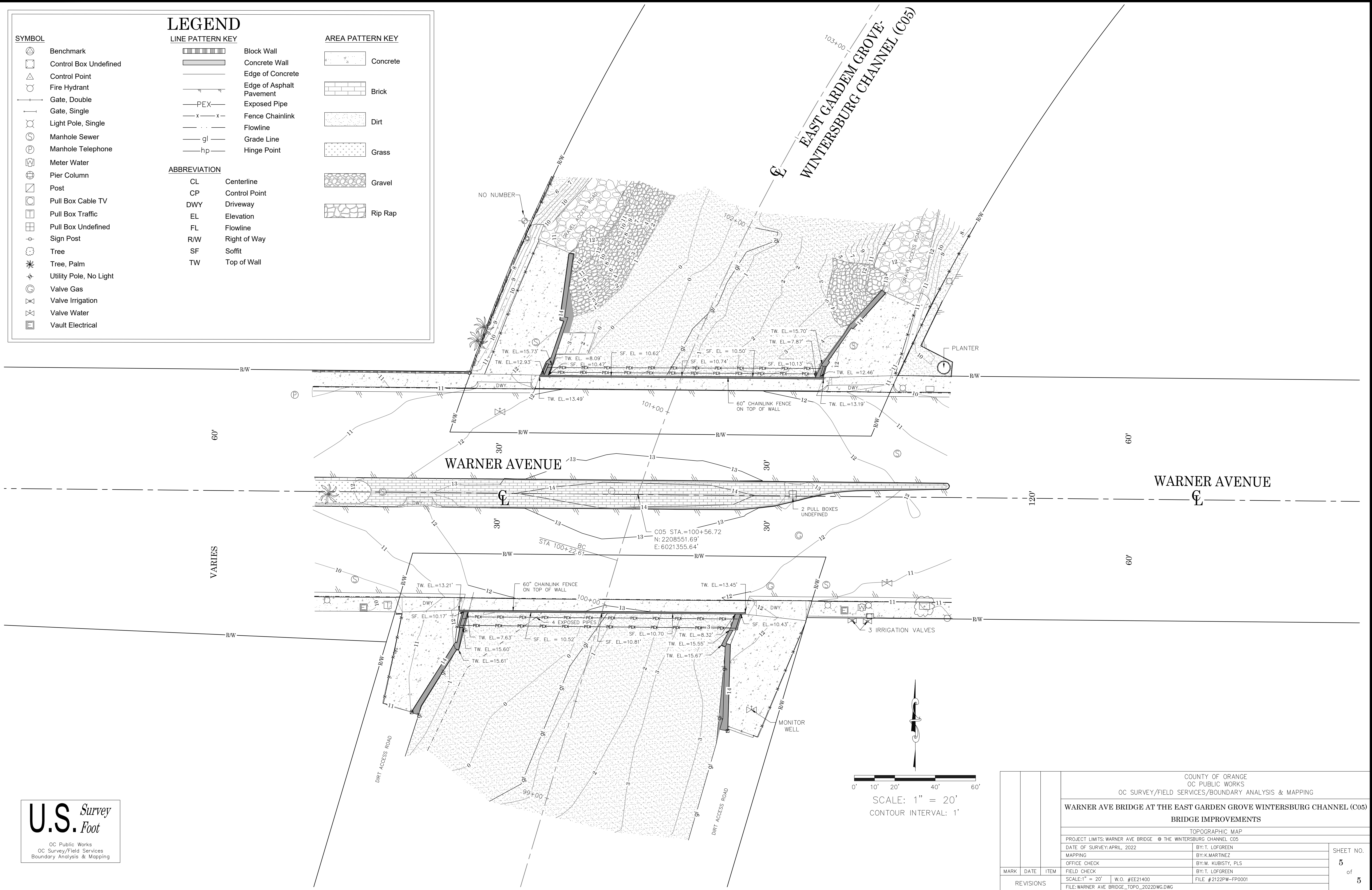
Right of Way

SF

Soffit

TW

Top of Wall



			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
WARNER AVE BRIDGE AT THE EAST GARDEN GROVE WINTERSBURG CHANNEL (C05) BRIDGE IMPROVEMENTS						
TOPOGRAPHIC MAP						
PROJECT LIMITS: WARNER AVE BRIDGE @ THE WINTERSBURG CHANNEL C05						
DATE OF SURVEY: APRIL, 2022			BY: T. LOFGREEN		SHEET NO. 5 of 5	
MAPPING			BY: K. MARTINEZ			
OFFICE CHECK			BY: M. KUBISTY, PLS			
FIELD CHECK			BY: T. LOFGREEN			
MARK	DATE	ITEM	SCALE: 1" = 20' W.O. #EE21400		FILE # 2122PW-PP0001	
REVISIONS			FILE: WARNER_AVE_BRIDGE_TOPO_2022DWG.DWG			