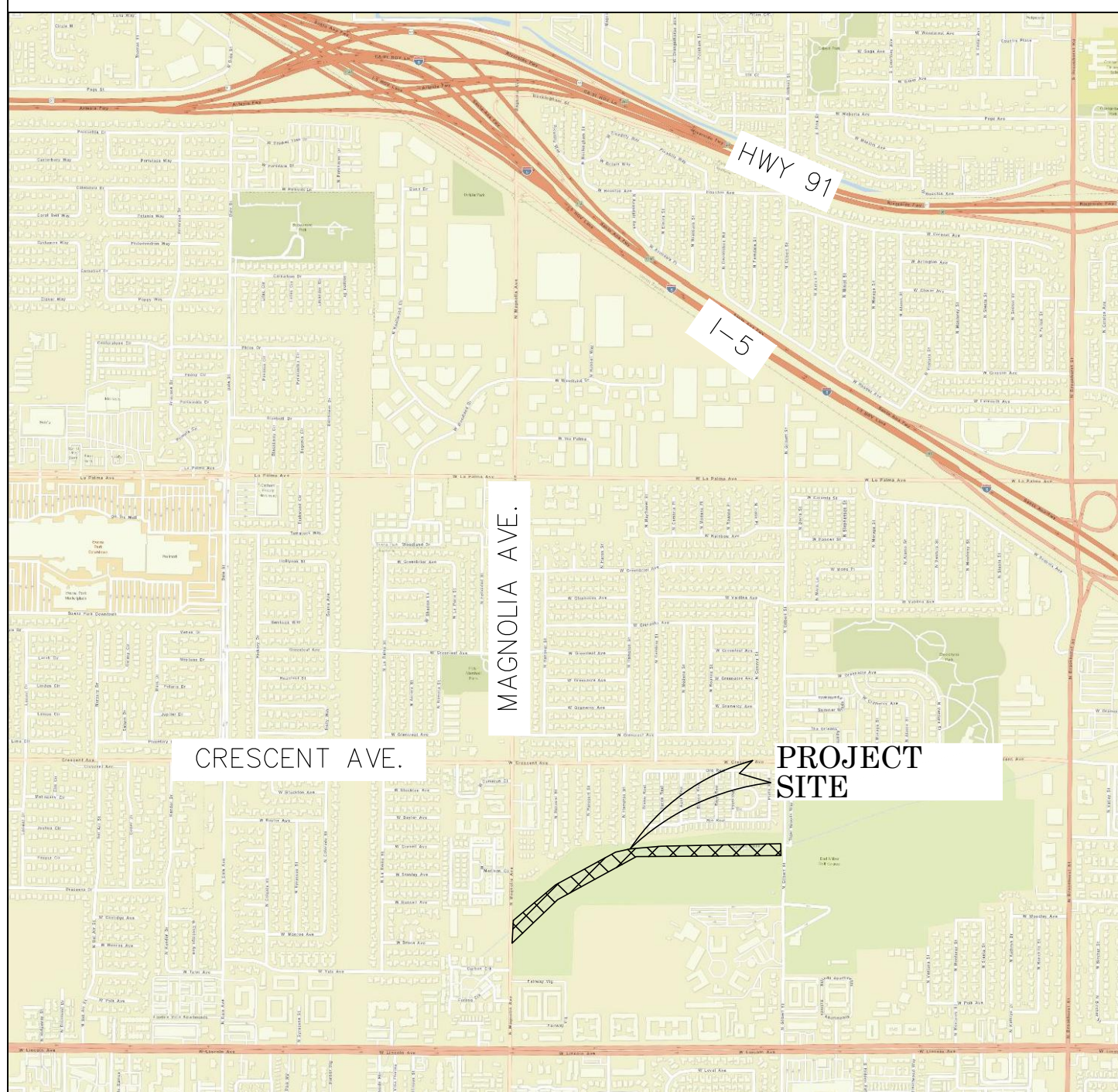




OC PUBLIC WORKS DEPARTMENT
JAMES TREADAWAY, DIRECTOR
KEVIN HILLS, COUNTY SURVEYOR
CARBON CREEK CHANNEL (B01)
CHANNEL MAINTENANCE PROJECT



LOCATION MAP



N.T.S

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 7 DAY OF JULY, 2020.

JESOM MORENO, PLS. SENIOR LAND SURVEYOR



DEPUTY COUNTY SURVEYOR'S STATEMENT:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYOR'S ACT; THIS 7 DAY OF JULY, 2020.

WADE WEAVER, PLS. DEPUTY COUNTY SURVEYOR



U.S. Survey
Foot

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

FOUND CGPS "BLSA"
N: 2239164.39'
E: 6021324.82'
THIS IS A CONTINUOUS GPS STATION (CGPS) AND IS PART OF THE CALIFORNIA SPATIAL PREFERENCE NETWORK (CSRN), FROM WHICH DATA CAN BE DOWNLOADED HERE:
[HTTP://SOPACCSRC.UCSD.EDU/](http://SOPACCSRC.UCSD.EDU/).

IDENTICAL



TOPOGRAPHIC MAPPING PROJECT

BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS (CCCS) AND (BLSA) BEING NORTH 66°06'41" EAST 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 2017.50 EPOCH ADJUSTMENT.
ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY 1.000006930.
COMBINATION FACTOR WAS HELD AT POINT 105 N:2252491.48' E:6038470.57', EL= 97.93'
ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

O.C.S. BM. 1G-143-69 ELEV. = 94.27 YEAR LEVELED: 2005
NAVD 1988 (O.C.S. 1995 ADJUSTMENT)
DESCRIPTION: FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "1G-143-69", SET IN THE NORTHERLY END OF A CONCRETE HEADWALL FOR A FLOOD CONTROL CHANNEL. MONUMENT IS LOCATED ALONG THE EASTERLY SIDE OF MAGNOLIA AVENUE, 0.2 MILES NORTHERLY OF THE CENTERLINE OF LINCOLN AVENUE AND 38 FT. EASTERLY OF MAGNOLIA. MONUMENT IS SET LEVEL WITH THE SIDEWALK.

NOTES

THE SURVEY INFORMATION SHOWN HEREON IS TO BE USED FOR TOPOGRAPHIC RELATIONSHIPS AND BOUNDARY LOCATION ONLY AND IS NOT INTENDED FOR LAND ACQUISITION.
PARCELS SHOWN WITHOUT BEARING AND DISTANCES ARE FOR GRAPHICAL PURPOSES.

SHEET INDEX

SHEET	NO.	DESCRIPTION
SHEET 1	1	TITLE SHEET
SHEET 2-3	2-3	BOUNDARY
SHEET 4-9	4-9	TOPOGRAPHIC MAP

ALIGNMENT NOTE

THE CONSTRUCTION CENTERLINE ALIGNMENT SHOWN HEREON WAS ESTABLISHED BY HOLDING 311+82.32' PER DWG. NO. B01-701-2-A DATED JULY, 1959 AT THE CENTERLINE INTERSECTION OF MAGNOLIA AVE. AND THE DESCRIBED LINE OF BOOK 5175 PAGE 274 O.R. INCREASING IN STATION UPSTREAM TO GILBERT ST.

PURPOSE OF SURVEY

THE PURPOSE OF THE SURVEY IS TO PROVIDE A TOPOGRAPHIC MAP AND RIGHT OF WAY ESTABLISHMENT FOR THIS PORTION OF THE CARBON CREEK CHANNEL (B01).

			COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
			CARBON CREEK CHANNEL (B01) CHANNEL MAINTENANCE PROJECT			
			TITLE SHEET			
			FROM: STATION 312+43.64' TO STATION 340+92.06' UPSTREAM MAGNOLIA AVE. TO N. GILBERT ST.			
 	6/30/20	ADDITIONAL TOPO (SHEET 5)	DATE OF SURVEY:OCTOBER, 2019		BY: JOHNS & PARTY	SHEET NO. 1 of 9
	4/14/20	ADDED SOFFIT ELEVATIONS	TOPOGRAPHIC MAPPING		BY: R. BELTRAN	
MARK	DATE	ITEM	OFFICE CHECK		BY: M. KUBISTY, PLS.	
			FIELD CHECK		BY: JOHNS & PARTY	
		REVISIONS	SCALE: N.T.S.		W.O. #EE21210	
			FILE NO.1920PW-IN0012			
			FILE: Carbon Creek Channel_Topo_2020.DWG			

ESTABLISHMENT NOTES

- Ⓐ ESTABLISHED THE SW CORNER OF THE SW 1/4 SECTION 7 TOWNSHIP 4S, RANGE 10W S.B.M., RANCHO LOS COYOTES BY HOLDING RECORD DISTANCE PER R2, & R8 N'LY FROM FOUND MONUMENT 1 ALONG LINE ESTABLISHMENT ⓐ
- Ⓑ ESTABLISHED THE SW CORNER OF PARCEL 1 OF R19 HOLDING RECORD DISTANCE PER R19 N'LY FROM ESTABLISHMENT NOTE Ⓐ ALONG LINE ESTABLISHMENT ⓐ
- Ⓒ ESTABLISHED THE POINT OF BEGINNING OF DESCRIBED LINE PER R20, R21, R22 & R23 HOLDING RECORD DISTANCE N'LY FROM ESTABLISHMENT NOTE Ⓑ ALONG LINE ESTABLISHMENT ⓐ
- Ⓓ ESTABLISHED THE NW CORNER OF R19 HOLDING RECORD DISTANCE N'LY FROM ESTABLISHMENT POINT Ⓒ ALONG LINE ESTABLISHMENT ⓐ
- Ⓔ S.F.N. ESTABLISHED THE NW CORNER OF THE SW 1/4 OF THE SW 1/4 SECTION 7 TOWNSHIP 4S, RANGE 10W S.B.M., RANCHO LOS COYOTES BY PROPORTION PER R1 BETWEEN ESTABLISHMENT NOTE Ⓐ & FOUND MONUMENT 2
- Ⓕ S.F.N. ESTABLISHED THE INTERSECTION OF THE N'LY PROLONGATION OF THE W'LY LINE OF R3 & LINE ESTABLISHMENT Ⓓ HOLDING RECORD DISTANCE W'LY FROM ESTABLISHMENT NOTE Ⓕ ALONG LINE ESTABLISHMENT ⓐ
- Ⓖ S.F.N. ESTABLISHED THE NE CORNER OF THE NW 1/4 OF THE SW 1/4 SECTION 7 TOWNSHIP 4S, RANGE 10W S.B.M., RANCHO LOS COYOTES BY PROPORTION PER R1 BETWEEN FOUND MONUMENTS 2 & 3
- Ⓗ ESTABLISHED THE NE CORNER OF R19 HOLDING RECORD DISTANCE N'LY FROM ESTABLISHMENT NOTE Ⓓ ALONG LINE ESTABLISHMENT ⓐ
- Ⓙ ESTABLISHED THE S'LY TERMINUS OF THAT CERTAIN COURSE DESCRIBED IN R20, R22, R23, & R23 AS BEING DISTANT S00°37'35"E, 668.84 FROM THE INTERSECTION OF GILBERT ST. & CRESCENT AVE, MONUMENT NOTE 3
- Ⓛ ESTABLISHED THE SE CORNER OF R19 HOLDING RECORD DISTANCE PER R19 S'LY FROM FOUND MONUMENT 3 ALONG LINE ESTABLISHMENT ⓐ
- Ⓚ S.F.N. ESTABLISHED THE NE CORNER OF THE SE 1/4 OF THE SW 1/4 SECTION 7, TOWNSHIP 4S, RANGE 10W S.B.M., RANCHO LOS COYOTES BY PROPORTION PER R1 BETWEEN ESTABLISHMENT NOTE Ⓙ & FOUND MONUMENT 3
- Ⓛ ESTABLISHED THE SE CORNER OF THE SW 1/4 SECTION 7, TOWNSHIP 4S, RANGE 10W S.B.M., RANCHO LOS COYOTES HOLDING RECORD DISTANCE PER R2 & R8 N'LY FROM MONUMENT NOTE 4 ALONG LINE ESTABLISHMENT ⓐ
- Ⓜ S.F.N. ESTABLISHED THE SW CORNER OF THE SE 1/4 OF THE SW 1/4 SECTION 7, TOWNSHIP 4S, RANGE 10W S.B.M., RANCHO LOS COYOTES BY PROPORTION PER R1 BETWEEN ESTABLISHMENT NOTES Ⓐ & Ⓙ
- Ⓝ S.F.N. ESTABLISHED THE CENTER OF THE SW 1/4 SECTION 7, TOWNSHIP 4S, RANGE 10W S.B.M., RANCHO LOS COYOTES BY INTERSECTION FROM PROPORTIONED ESTABLISHMENT NOTES Ⓔ Ⓒ Ⓚ & Ⓜ
- Ⓞ S.F.N. ESTABLISHED THE SE CORNER OF THE WEST 16.58 ACRES OF THE NW 1/4 OF THE SW 1/4 SECTION 7, TOWNSHIP 4S, RANGE 10W, S.B.M. RANCH LOS COYOTES BY INTERSECTION HOLDING THE S'LY PROLONGATION OF LINE ESTABLISHMENT Ⓛ S'LY FROM ESTABLISHMENT NOTE Ⓔ & E'LY FROM ESTABLISHMENT NOTE Ⓓ ALONG LINE ESTABLISHMENT Ⓛ
- Ⓟ S.F.N. ESTABLISHED THE NW CORNER OF THE EAST 20 ACRES OF THE SW 1/4 OF THE SW 1/4 SECTION 7, TOWNSHIP 4S, RANGE 10E, S.B.M., RANCHO LOS COYOTES HOLDING RECORD DISTANCE PER R4 E'LY FROM ESTABLISHMENT NOTE E ALONG LINE ESTABLISHMENT Ⓛ
- Ⓠ ESTABLISHED THE W'LY LINE OF THE SW 1/4 OF SECTION 7, TOWNSHIP 4S, RANGE 10W, S.B.M., RANCHO LOS COYOTES BETWEEN ESTABLISHMENT NOTE A & FOUND MONUMENT 2 ESTABLISHED & THE C/L OF MAGNOLIA AVE BETWEEN FOUND MONUMENTS 1 & 2
- Ⓡ ESTABLISHED THE N'LY LINE OF THE SW 1/4 OF SECTION 7, TOWNSHIP 4S, RANGE 10W, S.B.M., RANCHO LOS COYOTES, BETWEEN FOUND MONUMENTS 2 & 3 ESTABLISHED LINE ALSO BEING THE C/L OF CRESCENT AVE.
- Ⓢ ESTABLISHED THE E'LY LINE OF THE SW 1/4 OF SECTION 7, TOWNSHIP 4S, RANGE 10W, S.B.M., RANCHO LOS COYOTES, BETWEEN FOUND MONUMENT 3 & ESTABLISHMENT NOTE Ⓛ ESTABLISHED THE C/L OF GILBERT ST. BETWEEN FOUND MONUMENTS 3 & 4
- Ⓣ ESTABLISHED THE S'LY LINE OF THE SW 1/4 OF SECTION 7, TOWNSHIP 4S, RANGE 10W, S.B.M., RANCHO LOS COYOTES, BETWEEN ESTABLISHMENT NOTES Ⓐ & Ⓙ

- Ⓣ ESTABLISHED THE C/L OF LINCOLN AVE BETWEEN FOUND MONUMENTS 1 & 4
- Ⓥ ESTABLISHED THE N'LY LINE OF THE S'LY 1/2 OF THE SW 1/4 OF SECTION 7, TOWNSHIP 4S, RANGE 10W, S.B.M., RANCHO LOS COYOTES, BETWEEN ESTABLISHMENT NOTES Ⓔ & Ⓛ
- Ⓦ ESTABLISHED THE E'LY LINE OF THE W'LY 1/2 OF THE SW 1/4 OF SECTION 7, TOWNSHIP 4S, RANGE 10W, S.B.M., RANCHO LOS COYOTES, BETWEEN ESTABLISHMENT NOTES Ⓒ & Ⓜ
- Ⓧ ESTABLISHED THE C/L OF HARCOURT ST. PER R3 BETWEEN FOUND MONUMENT 7 & ESTABLISHMENT NOTE Ⓕ
- Ⓨ ESTABLISHED THE E'LY LINE OF THE WEST 16.58 ACRES, OF THE NW 1/4 OF THE SW 1/4 SECTION 7, TOWNSHIP 4S, RANGE 10W, S.B.M., RANCHO LOS COYOTES, HOLDING A LINE S'LY FROM ESTABLISHMENT NOTE Ⓔ PARALLEL WITH, & W'LY OF LINE ESTABLISHMENT Ⓧ
- Ⓩ ESTABLISHED DESCRIBED LINE PER R20, R21, R22, & R23 HOLDING RECORD ANGLES, DISTANCES, & CURVATURE INFORMATION PER R20, R21, R22, & R23 E'LY FROM ESTABLISHMENT NOTE Ⓒ BETWEEN ESTABLISHMENT NOTES Ⓢ & Ⓙ
- ⒶⓇ EXCEPT AS NOTED ESTABLISHED THE N'LY LINE OF R19 HOLDING RECORD ANGLES, DISTANCES, & CURVATURE INFORMATION E'LY FROM ESTABLISHMENT NOTE Ⓑ BETWEEN ESTABLISHMENT NOTE Ⓑ & Ⓙ
- ⒶⓈ EXCEPT AS NOTED ESTABLISHED THE S'LY LINE OF R19 HOLDING RECORD ANGLES, DISTANCES, & CURVATURE INFORMATION W'LY FROM ESTABLISHMENT NOTE Ⓗ BETWEEN ESTABLISHMENT NOTE Ⓗ & Ⓓ
- ⒺⓇ ESTABLISHED THE SW CORNER OF THE NORTH 1/2 OF THE NE 1/4 OF THE SW 1/4 SECTION 7, TOWNSHIP 4S, RANGE 10W, S.B.M., RANCHO LOS COYOTES AT MIDPOINT BETWEEN ESTABLISHMENT NOTES Ⓝ & Ⓒ
- ⒺⓅ ESTABLISHED THE SE CORNER OF THE NORTH 1/2 OF THE NE 1/4 OF THE SW 1/4 SECTION 7, TOWNSHIP 4S, RANGE 10W, S.B.M., RANCHO LOS COYOTES AT MIDPOINT BETWEEN ESTABLISHMENT NOTE Ⓚ & FOUND MONUMENT 3
- ⒷⓅ ESTABLISHED THE S'LY LINE OF THE NORTH 1/2 OF THE NE 1/4 OF THE SW 1/4 OF SECTION 7, TOWNSHIP 4S, RANGE 10W, S.B.M., RANCHO LOS COYOTES BETWEEN ESTABLISHMENT NOTES Ⓒ & Ⓓ
- ⒺⓇ ESTABLISHED THE INTERSECTION OF CRESCENT AVE & HARCOURT ST. BY INTERSECTION HOLDING A LINE N'LY FROM FOUND MONUMENT 7 ALONG LINE ESTABLISHMENT Ⓚ & E'LY FROM FOUND MONUMENT 2 ALONG LINE ESTABLISHMENT ⓐ
- ⒺⓇ ESTABLISHED THE E'LY RIGHT OF WAY OF MAGNOLIA AVE HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & E'LY OF LINE ESTABLISHMENT Ⓛ PER R4, R5, & R7.
- ⒷⓇ ESTABLISHED THE S'LY RIGHT OF WAY OF CRESCENT AVE HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & S'LY OF LINE ESTABLISHMENT ⓐ PER R3, P.M.B. 384/20, & TRACT 2451, M.M. 74/36-37 AS SHOWN
- ⒷⓁ ESTABLISHED THE W'LY RIGHT OF WAY OF GILBERT ST. HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & W'LY OF LINE ESTABLISHMENT Ⓢ PER P.M.B. 202/14-15, R.S.B. 33/43, & R.S.B. 50/43-44.
- ⒷⓁ ESTABLISHED THE N'LY RIGHT OF WAY OF LINCOLN AVE HOLDING RECORD DIMENSIONS PARALLEL WITH, PERPENDICULAR TO, & N'LY OF LINE ESTABLISHMENT Ⓙ PER P.M.B. 24/47, & R.S.B. 308/34,

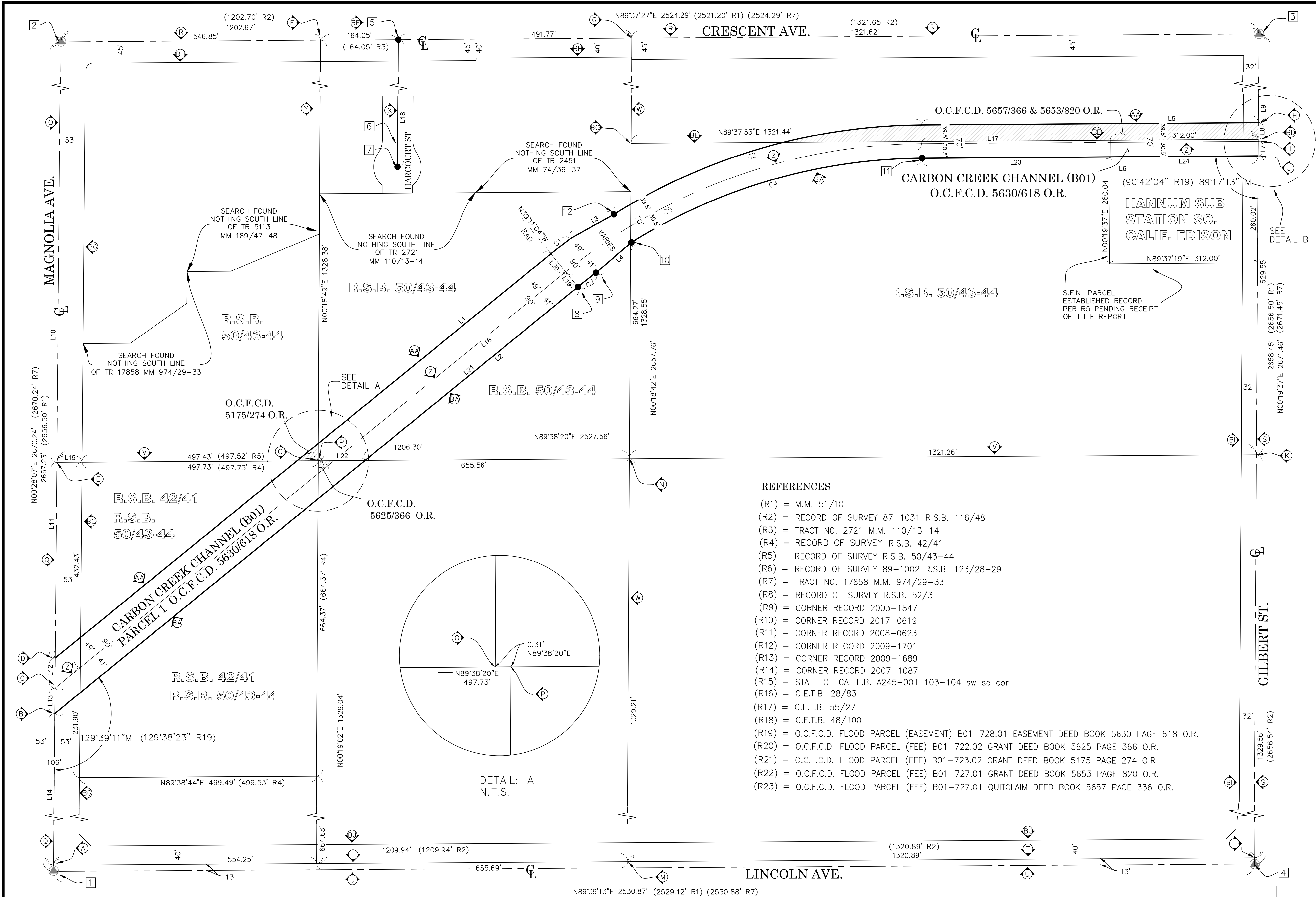
MONUMENT NOTES

- 1 FOUND 2" BRASS DISK STAMPED STATE OF CA. DIV. OF HIGHWAYS IN CITY OF ANAHEIM WELL MONUMENT, PER R10, R14, & R16, DN. 1.3' IN A.C. ACCEPTED AS C/L INTERSECTION OF MAGNOLIA AVE & LINCOLN AVE.
- 2 FOUND 2" BRASS DISK W/ PUNCH MARK IN CITY OF ANAHEIM WELL MONUMENT, PER R12, & R14, D.N. 1.5' IN A.C. ACCEPTED AS C/L INTERSECTION OF MAGNOLIA AVE & CRESCENT AVE ALSO BEING THE NW CORNER OF THE SW 1/4 OF SECTION 7 TOWNSHIP 4S, RANGE 10W, RANCHO LOS COYOTES.
- 3 FOUND 2" BRASS DISK W/ PUNCH MARK IN CITY OF ANAHEIM WELL MONUMENT, PER R11, & R17, D.N. 1.5' IN A.C. ACCEPTED AS C/L INTERSECTION OF GILBERT ST. & CRESCENT AVE. ALSO BEING THE NE CORNER OF THE SW 1/4 OF SECTION 7 TOWNSHIP 4S, RANGE 10W, RANCHO LOS COYOTES
- 4 FOUND 2" BRASS DISK STAMPED STATE OF CA. DIV. OF HIGHWAYS IN CITY OF ANAHEIM WELL MONUMENT, PER R12, & R14, DN. 1.3' IN A.C. ACCEPTED AS C/L INTERSECTION OF MAGNOLIA AVE & LINCOLN AVE.
- 5 FOUND PK NAIL WITH TAG STAMPED "CITY OF ANAHEIM" PER R9, FLUSH IN A.C. S00°18'49"W, 0.12' FROM C/L INTERSECTION CRESCENT AVE, & S. HARCOURT ST. ACCEPTED AS POINT ON C/L HARCOURT ST.
- 6 S.F.N. @ POINT ON C/L HARCOURT ST PER R10
- 7 FOUND GEAR SPIKE & WASHER STAMPED "C OF A SURVEY" PER R10, FLUSH IN A.C. ACCEPTED AS C/L RADIUS POINT S. HARCOURT ST.
- 8 FOUND 2" I.P. WITH BRASS TAG STAMPED "O.C.S." PER R6, FLUSH IN DIRT, N53°12'01"E 0.74' FROM B.C. OF S'LY LINE OF R19
- 9 FOUND 2" I.P. WITH BRASS TAG STAMPED "O.C.S." PER R6, FLUSH IN DIRT, N53°26'11"E 0.74' FROM E.C. OF S'LY LINE OF R19
- 10 FOUND 2" I.P. WITH BRASS TAG STAMPED "O.C.S." PER R6, FLUSH IN DIRT, N45°53'11"E 0.80' FROM B.C. OF S'LY LINE OF R19
- 11 FOUND 2" I.P. WITH BRASS TAG STAMPED "O.C.S." PER R6, FLUSH IN DIRT, N70°33'57"E 0.70' FROM B.C. OF S'LY LINE OF R19
- 12 FOUND 2" I.P. WITH BRASS TAG STAMPED "O.C.S." PER R6, FLUSH IN DIRT, N62°58'21"E 0.90' FROM E.C. OF N'LY LINE OF R19

REFERENCES

- (R1) = M.M. 51/10
- (R2) = RECORD OF SURVEY 87-1031 R.S.B. 116/48
- (R3) = TRACT NO. 2721 M.M. 110/13-14
- (R4) = RECORD OF SURVEY R.S.B. 42/41
- (R5) = RECORD OF SURVEY R.S.B. 50/43-44
- (R6) = RECORD OF SURVEY 89-1002 R.S.B. 123/28-29
- (R7) = TRACT NO. 17858 M.M. 974/29-33
- (R8) = RECORD OF SURVEY R.S.B. 52/3
- (R9) = CORNER RECORD 2003-1847
- (R10) = CORNER RECORD 2017-0619
- (R11) = CORNER RECORD 2008-0623
- (R12) = CORNER RECORD 2009-1701
- (R13) = CORNER RECORD 2009-1689
- (R14) = CORNER RECORD 2007-1087
- (R15) = STATE OF CA. F.B. A245-001 103-104 sw se cor
- (R16) = C.E.T.B. 28/83
- (R17) = C.E.T.B. 55/27
- (R18) = C.E.T.B. 48/100
- (R19) = O.C.F.C.D. FLOOD PARCEL (EASEMENT) B01-728.01 EASEMENT DEED BOOK 5630 PAGE 618 O.R.
- (R20) = O.C.F.C.D. FLOOD PARCEL (FEE) B01-722.02 GRANT DEED BOOK 5625 PAGE 366 O.R.
- (R21) = O.C.F.C.D. FLOOD PARCEL (FEE) B01-723.02 GRANT DEED BOOK 5175 PAGE 274 O.R.
- (R22) = O.C.F.C.D. FLOOD PARCEL (FEE) B01-727.01 GRANT DEED BOOK 5653 PAGE 820 O.R.
- (R23) = O.C.F.C.D. FLOOD PARCEL (FEE) B01-727.01 QUITCLAIM DEED BOOK 5657 PAGE 336 O.R.

COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING				CARBON CANYON CHANNEL (B01) CHANNEL MAINTAINANCE PROJECT	
BOUNDARY					
PROJECT LIMITS: STATION 312+43.64' TO STATION 340+92.06' UPSTREAM MAGNOLIA AVE. TO N. GILBERT ST.					
△ △ MARK	6/30/20	ADDITIONAL TOPO (SHEET 5)	DATE OF SURVEY: OCTOBER 2019	BY: JOHNS & PARTY	SHEET NO. 2 of 9
	4/14/20	ADDED SOFFIT ELEVATIONS	TOPOGRAPHIC MAPPING	BY: R. BELTRAN	
			OFFICE CHECK	BY: M. KUBISTY, PLS	
		ITEM	FIELD CHECK	BY: JOHNS & PARTY	
REVISIONS				SCALE: 1"=100' W.O. #EE21210 FILE #1920PW-IN0012 FILE: CARBON CREEK_CHANNEL_BOUNDARY_2020.DWG	

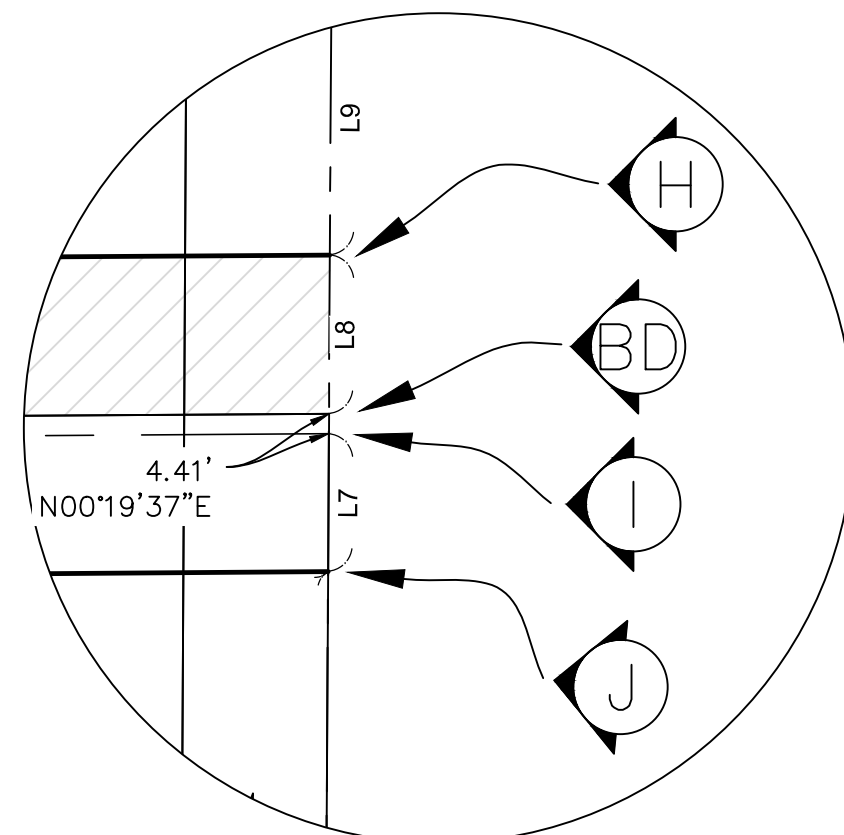


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(R23) = O.C.F.C.D. FLOOD PARCEL (FEE) B01-727.01 QUITCLAIM DEED BOOK 5657 PAGE 336 O.R.

CURVE TABLE						
CURVE #	LENGTH	RADIUS	DELTA	RECORD LENGTH	RECORD RADIUS	RECORD DELTA
C1	52.04	1248.98	002°23'14"	52.04 (R19)	1249.00 (R19)	2°23'14" (R19)
C2	48.29	1158.98	002°23'14"	800.11 (R19)	1159.00 (R19)	2°23'14" (R19)
C3	684.39	1239.48	031°38'11"	684.40 (R19)	1239.50 (R19)	31°38'11" (R19)
C4	645.74	1169.48	031°38'11"	645.75 (R19)	1169.50 (R19)	31°38'11" (R19)
C5	812.59	1200.00	038°47'54"	812.59 (R22)	1200.00 (R22)	38°47'54" (R19)

LINE TABLE			
LINE #	BEARING	MEASURED DISTANCE	RECORD DISTANCE
L1	N50°48'56"E	1347.33	1347.41 (R19)
L2	N50°48'56"E	1421.95	1421.97 (R19)
L3	N60°49'19"E	104.09	104.09 (R19)
L4	N49°25'02"E	97.56	97.56 (R19)
L5	N89°36'50"E	709.77	709.08 (R19)
L6	N89°36'50"E	708.88	708.20 (R19)
L7	N00°19'37"E	30.49	
L8	N00°18'37"E	35.10	
L9	N00°19'38"E	629.34	
L10	N00°28'07"E	1328.29	1328.29 (R7)
L11	N00°28'07"E	411.94	
L12	N00°28'06"E	63.65	
L13	N00°28'07"E	53.25	
L14	N00°28'07"E	800.10	800.11 (R19)
L15	N89°38'20"E	53.01	
L16	N50°48'59"E	1388.00	1388.00 (R22)
L17	N89°36'53"E	709.21	708.58 (R22)
L18	S00°18'49"W	711.15	711.00 (R22)
L19	S39°11'04"E	40.98	
L20	S39°11'04"E	49.03	
L21	N50°48'56"E	578.48	



DETAIL: B
N.T.S.

COUNTY OF ORANGE OC PUBLIC WORKS/ENGINEERING SERVICES OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
CARBON CREEK CHANNEL (B01) CHANNEL MAINTAINANCE PROJECT			
BOUNDARY			
PROJECT LIMITS: STATION 312+43.64' TO STATION 340+92.06' UPSTREAM MAGNOLIA AVE. TO N. GILBERT ST.			
DATE OF SURVEY: OCTOBER 2019		BY: JOHNS & PARTY	
TOPOGRAPHIC MAPPING		BY: R. BELTRAN	
OFFICE CHECK		BY: M. KUBISTY, PLS	
FIELD CHECK		BY: JOHNS & PARTY	
SCALE: 1"=100'		W.O. #EE21210	FILE #1920PW-IN0012
FILE: CARBON_CREEK_CHANNEL_BOUNDARY_2020.DWG			
REVISIONS			
MARK	DATE	ITEM	
△	6/30/20	ADDITIONAL TOPO (SHEET 5)	
△	4/14/20	ADDED SOFFIT ELEVATIONS	

SYMBOL PATTERN KEY

4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted

Single Gate

Steel Sign

Single Light Pole

Pull box - Electrical

Tree Less Than 8" Unless Noted

Storm Drain Manhole

Vault Undefined

Double Gate

Electric Manhole

Hose Bib

Control Box Irrigation

Utility Pole

Palm Tree Less Than 8" Unless Noted

TV Cable Pull Box

Post

Guy Anchor

Control Point

ABBREVIATION KEY

RCP - Reinforced Concrete Pipe

PVC - Polyvinyl Chloride Pipe

CMP - Corrugated Metal Pipe

LINE PATTERN KEY

Centerline

Edge of Asphalt Pavement

Edge of Concrete Pavement

Guard Rail Steel

Flowline

Right of Way

Street Striping

Concrete Wall

Block Wall

Hand Rail Steel

Chain Link Fence

Hinge Point

Exposed Pipe

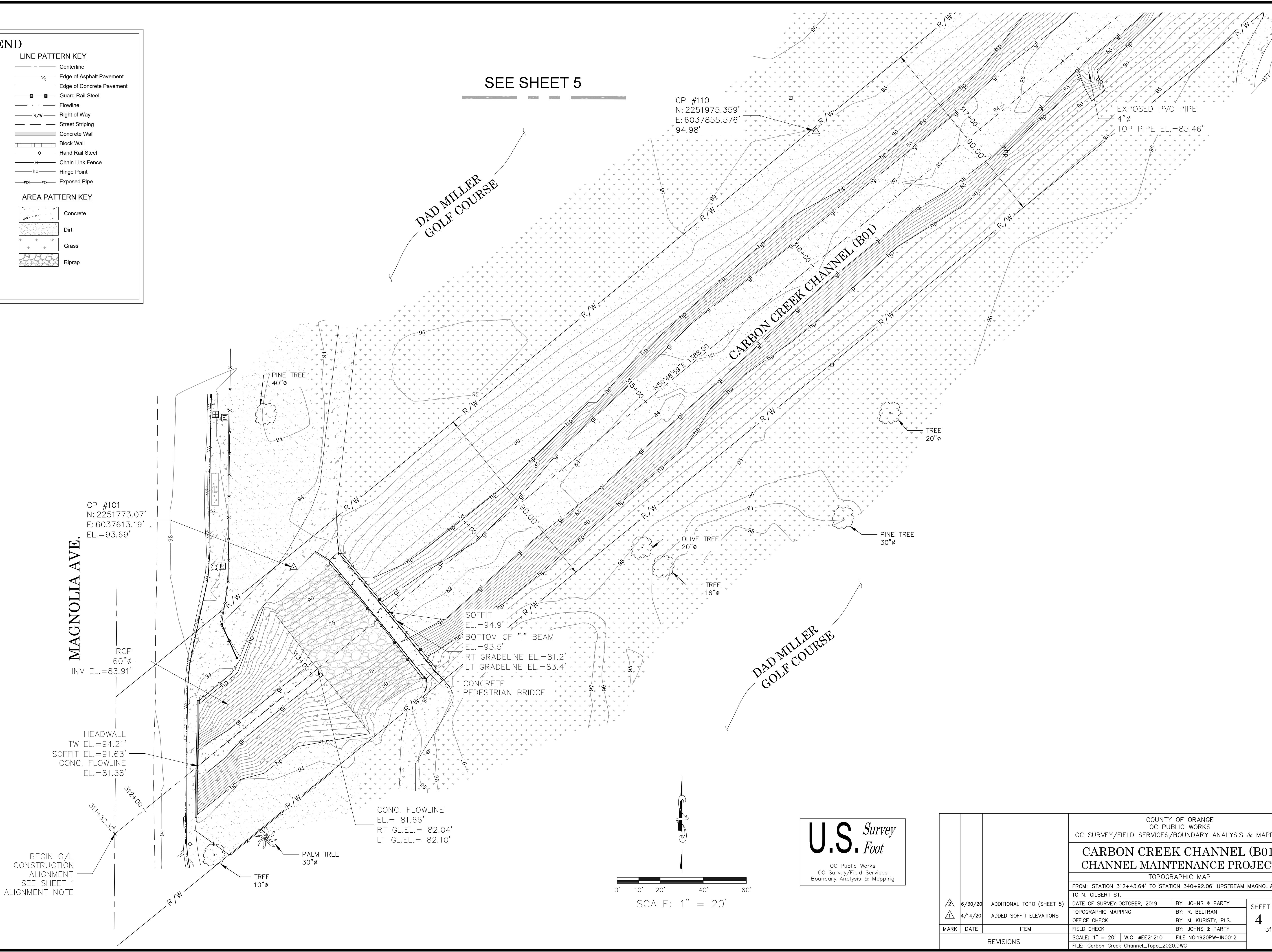
AREA PATTERN KEY

Concrete

Dirt

Grass

Riprap



		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
CARBON CREEK CHANNEL (B01) CHANNEL MAINTENANCE PROJECT			
TOPOGRAPHIC MAP			
FROM: STATION 312+43.64' TO STATION 340+92.06' UPSTREAM MAGNOLIA AVE. TO N. GILBERT ST.			
DATE OF SURVEY: OCTOBER, 2019		BY: JOHNS & PARTY	
TOPOGRAPHIC MAPPING		BY: R. BELTRAN	
OFFICE CHECK		BY: M. KUBISTY, PLS.	
FIELD CHECK		BY: JOHNS & PARTY	
SCALE: 1" = 20'		W.O. #EE21210	
FILE: Carbon Creek_Channel_Topo_2020.DWG		FILE NO.1920PW-IN0012	

	6/30/20	ADDITIONAL TOPO (SHEET 5)
	4/14/20	ADDED SOFFIT ELEVATIONS
MARK	DATE	ITEM
REVISIONS		

SHEET NO.	
4 of 9	

SYMBOL PATTERN KEY

4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted

Single Gate

Steel Sign

Single Light Pole

Pull box - Electrical

Tree Less Than 8" Unless Noted

Storm Drain Manhole

Vault Undefined

Double Gate

Electric Manhole

Hose Bib

Control Box Irrigation

Utility Pole

Palm Tree Less Than 8" Unless Noted

TV Cable Pull Box

Post

Guy Anchor

Control Point

ABBREVIATION KEY

RCP - Reinforced Concrete Pipe

PVC - Polyvinyl Chloride Pipe

CMP - Corrugated Metal Pipe

LINE PATTERN KEY

Centerline

Edge of Asphalt Pavement

Edge of Concrete Pavement

Guard Rail Steel

Flowline

R/W Right of Way

Street Striping

Concrete Wall

Block Wall

Hand Rail Steel

Chain Link Fence

Hinge Point

Exposed Pipe

AREA PATTERN KEY

Concrete

Dirt

Grass

Riprap

The map shows the Carbon Creek Channel (B01) flowing through a landscape. Key features include:
 - **Carbon Creek Channel (B01)**: The main waterway, with stationing from 312+00 to 322+00.
 - **Concrete Pedestrian Bridge**: Located over the channel, with a soffit elevation of 97.2' and a bottom of 'I' beam at 95.5'.
 - **Exposed PVC Pipe**: 4" diameter, with top elevations of 86.03 and 85.46.
 - **Right of Way (R/W)**: Indicated by dashed lines.
 - **Vegetation**: Various trees (Pine, Palm, Tree) and grass areas are marked.
 - **Survey Points**: CP #106, CP #107, CP #108, and CP #110 are marked with their coordinates and elevations.
 - **Topography**: Contour lines show the terrain's elevation.
 - **Labels**: 'DAD MILLER GOLF COURSE' and 'SAVANNAH HIGH SCHOOL RUNNING TRACK' are labeled on the map.
 - **Scale and Orientation**: A scale bar (1" = 20') and a north arrow are provided.
 - **Sheet Navigation**: 'SEE SHEET 4' and 'SEE SHEET 6' are indicated at the bottom and top respectively.

U.S. Survey
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
CARBON CREEK CHANNEL (B01) CHANNEL MAINTENANCE PROJECT			
TOPOGRAPHIC MAP			
FROM: STATION 312+43.64' TO STATION 340+92.06' UPSTREAM MAGNOLIA AVE. TO N. GILBERT ST.			
DATE OF SURVEY: OCTOBER, 2019	BY: JOHNS & PARTY	SHEET NO. 5 of 9	
TOPOGRAPHIC MAPPING	BY: R. BELTRAN		
OFFICE CHECK	BY: M. KUBISTY, PLS.		
FIELD CHECK	BY: JOHNS & PARTY	REVISIONS	
SCALE: 1" = 20'	W.O. #EE21210		
FILE: Carbon Creek_Channel_Topo_2020.DWG			

SYMBOL PATTERN KEY

4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted

Single Gate

Steel Sign

Single Light Pole

Pull box - Electrical

Tree Less Than 8" Unless Noted

Storm Drain Manhole

Vault Undefined

Double Gate

Electric Manhole

Hose Bib

Control Box Irrigation

Utility Pole

Palm Tree Less Than 8" Unless Noted

TV Cable Pull Box

Post

Guy Anchor

Control Point

ABBREVIATION KEY

RCP - Reinforced Concrete Pipe

PVC - Polyvinyl Chloride Pipe

CMP - Corrugated Metal Pipe

LINE PATTERN KEY

Centerline

Edge of Asphalt Pavement

Edge of Concrete Pavement

Guard Rail Steel

Flowline

Right of Way

Street Striping

Concrete Wall

Block Wall

Hand Rail Steel

Chain Link Fence

Hinge Point

Exposed Pipe

AREA PATTERN KEY

Concrete

Dirt

Grass

Riprap

The map shows the Carbon Creek Channel (B01) flowing through a landscape. Key features include:
 - **Channel and Bridge:** The channel runs diagonally from the bottom left towards the top right. A concrete pedestrian bridge crosses it, with labels for soffit elevations (100.6', 99.0') and grade line elevations (83.7' RT, 83.8' LT).
 - **Topography:** Contour lines indicate elevations ranging from 82 to 101 feet.
 - **Vegetation:** Several trees are marked with labels like 'TREE 26"Ø', 'PALM TREE 16"Ø', 'PALM TREE 20"Ø', 'PALM TREE 24"Ø', 'PALM TREE 14"Ø', 'TREE 24"Ø', and 'TREE 30"Ø'.
 - **Infrastructure:** A sand trap is located near station 322+00. A control point CP #105 is noted with coordinates N: 2252491.477, E: 6038470.572, EL.: 97.93'.
 - **Annotations:** Stationing markers (e.g., 322+00, 323+00, 324+00, 325+00, 326+00) and various engineering notes are present.
 - **Orientation and Scale:** A north arrow and a graphic scale bar (1" = 20') are provided.
 - **Context:** The map is bordered by 'DAD MILLER GOLF COURSE' on the left and right sides.
 - **Sheet Navigation:** Arrows point to 'SEE SHEET 5' and 'SEE SHEET 7'.

U.S. Survey
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING			
CARBON CREEK CHANNEL (B01) CHANNEL MAINTENANCE PROJECT			
TOPOGRAPHIC MAP			
FROM: STATION 312+43.64' TO STATION 340+92.06' UPSTREAM MAGNOLIA AVE. TO N. GILBERT ST.			
DATE OF SURVEY: OCTOBER, 2019	BY: JOHNS & PARTY	SHEET NO. 6 of 9	
TOPOGRAPHIC MAPPING	BY: R. BELTRAN		
OFFICE CHECK	BY: M. KUBISTY, PLS.		
FIELD CHECK	BY: JOHNS & PARTY		
SCALE: 1" = 20'	W.O. #EE21210	FILE NO: 1920PW-IN0012	
FILE: Carbon_Creek_Channel_Topo_2020.DWG			
REVISIONS			

LEGEND

SYMBOL PATTERN KEY

- 4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted
- Single Gate
- Steel Sign
- Single Light Pole
- Pull box - Electrical
- Tree Less Than 8" Unless Noted
- Storm Drain Manhole
- Vault Undefined
- Double Gate
- Electric Manhole
- Hose Bib
- Control Box Irrigation
- Utility Pole
- Palm Tree Less Than 8" Unless Noted
- TV Cable Pull Box
- Post
- Guy Anchor
- Control Point

LINE PATTERN KEY

- Centerline
- Edge of Asphalt Pavement
- Edge of Concrete Pavement
- Guard Rail Steel
- Flowline
- R/W
- Right of Way
- Street Striping
- Concrete Wall
- Block Wall
- Hand Rail Steel
- Chain Link Fence
- Hinge Point
- Exposed Pipe

AREA PATTERN KEY

- Concrete
- Dirt
- Grass
- Riprap

ABBREVIATION KEY

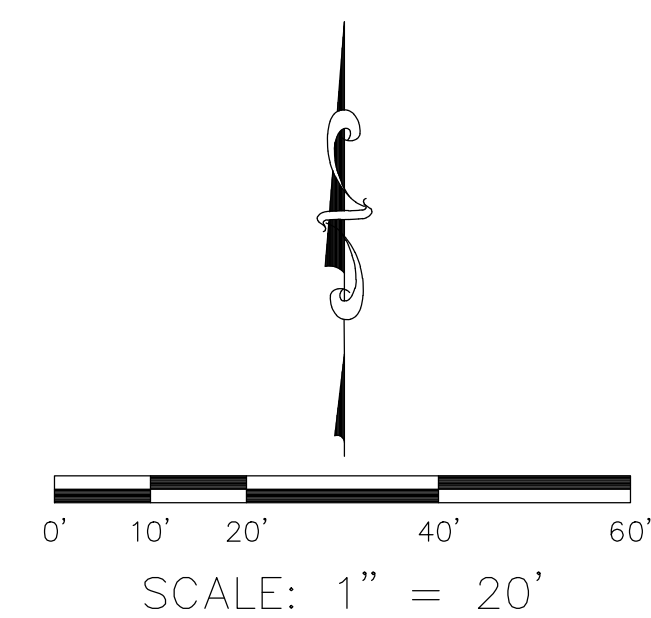
- RCP - Reinforced Concrete Pipe
- PVC - Polyvinyl Chloride Pipe
- CMP - Corrugated Metal Pipe

CASA HERMOSA
MOBILE HOME PARK

SEE SHEET 8

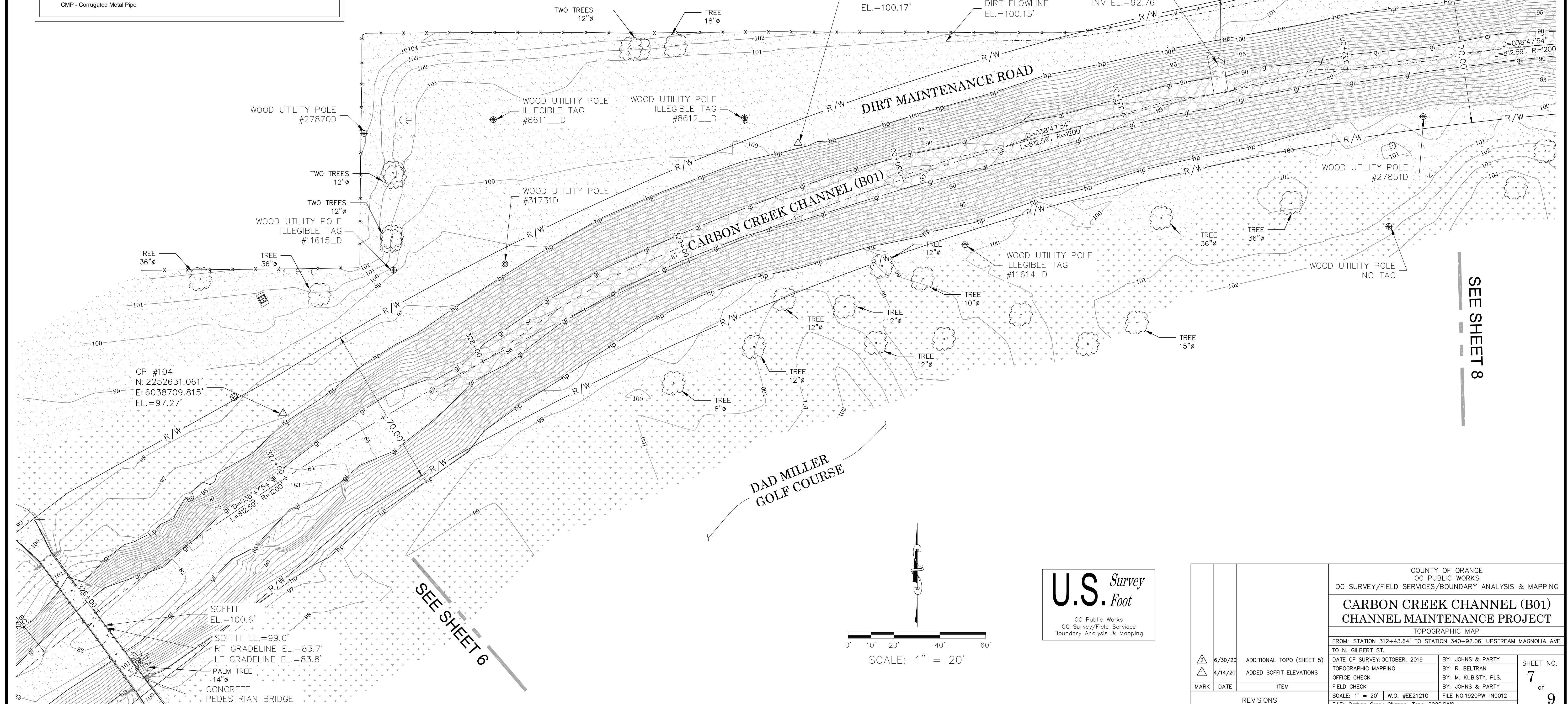
DAD MILLER
GOLF COURSE

SEE SHEET 6



		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING		
CARBON CREEK CHANNEL (B01) CHANNEL MAINTENANCE PROJECT				
TOPOGRAPHIC MAP				
FROM: STATION 312+43.64' TO STATION 340+92.06' UPSTREAM MAGNOLIA AVE. TO N. GILBERT ST.				
	6/30/20	ADDITIONAL TOPO (SHEET 5)	SHEET NO. 7 of 9	
	4/14/20	ADDED SOFFIT ELEVATIONS		
MARK	DATE	ITEM		
REVISIONS				
FILE: Carbon Creek_Channel_Topo_2020.DWG				

MARK	DATE	ITEM
△	6/30/20	ADDITIONAL TOPO (SHEET 5)
△	4/14/20	ADDED SOFFIT ELEVATIONS
REVISIONS		



SYMBOL PATTERN KEY

4" Pipe Inlet / Pipe Outlet Unless Otherwise Noted

Single Gate

Steel Sign

Single Light Pole

Pull box - Electrical

Tree Less Than 8" Unless Noted

Storm Drain Manhole

Vault Undefined

Double Gate

Electric Manhole

Hose Bib

Control Box Irrigation

Utility Pole

Palm Tree Less Than 8" Unless Noted

TV Cable Pull Box

Post

Guy Anchor

Control Point

ABBREVIATION KEY

RCP - Reinforced Concrete Pipe

PVC - Polyvinyl Chloride Pipe

CMP - Corrugated Metal Pipe

LINE PATTERN KEY

Centerline

Edge of Asphalt Pavement

Edge of Concrete Pavement

Guard Rail Steel

Flowline

R/W Right of Way

Street Striping

Concrete Wall

Block Wall

Hand Rail Steel

Chain Link Fence

Hinge Point

Exposed Pipe

AREA PATTERN KEY

Concrete

Dirt

Grass

Riprap

The map shows the Carbon Creek Channel (B01) flowing through a landscape. Key features include:

- DIRT MAINTENANCE ROAD**: Shown as a dashed line with 'x' markers, running horizontally across the upper half of the map.
- CARBON CREEK CHANNEL (B01)**: The central water feature, with flowlines and right-of-way (R/W) boundaries.
- Utility Poles**: Several wood utility poles are marked with tags like #27851D, #8615__D, #11612__D, #11611__D, and #8616__D PS1083.
- Exposed CMP**: Corrugated Metal Pipe sections are labeled with dimensions and elevations, such as 'EXPOSED CMP 24" INV EL.=90.82'.
- Flowlines**: Solid lines representing the channel's path, with elevations like 'FLOWLINE INV EL.=97.72'.
- Surrounding Areas**: Labels for 'CASA HERMOSA MOBILE HOME PARK' to the north, 'DAD MILLER GOLF COURSE' to the south, and 'HANNUM SUB STATION SO. CALIF. EDISON' to the east.
- Topographic Details**: Contour lines, spot elevations, and stationing (e.g., STA 333+82.9) are used to define the terrain.

Scale: 1" = 20'. North arrow pointing up.

SEE SHEET 9

SEE SHEET 7

U.S. Survey

Foot

OC Public Works

OC Survey/Field Services

Boundary Analysis & Mapping

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
		CARBON CREEK CHANNEL (B01) CHANNEL MAINTENANCE PROJECT	
		TOPOGRAPHIC MAP	
		FROM: STATION 312+43.64' TO STATION 340+92.06' UPSTREAM MAGNOLIA AVE. TO N. GILBERT ST.	
MARK	6/30/20	ADDITIONAL TOPO (SHEET 5)	DATE OF SURVEY: OCTOBER, 2019
	4/14/20	ADDED SOFFIT ELEVATIONS	TOPOGRAPHIC MAPPING
			OFFICE CHECK
			FIELD CHECK
REVISIONS		BY: JOHNS & PARTY	
		BY: R. BELTRAN	
		BY: M. KUBISTY, PLS.	
		BY: JOHNS & PARTY	
		SCALE: 1" = 20' W.O. #EE21210 FILE NO:1920PW-IN0012	
		FILE: Carbon Creek Channel_Topo_2020.DWG	
			SHEET NO. 8 of 9

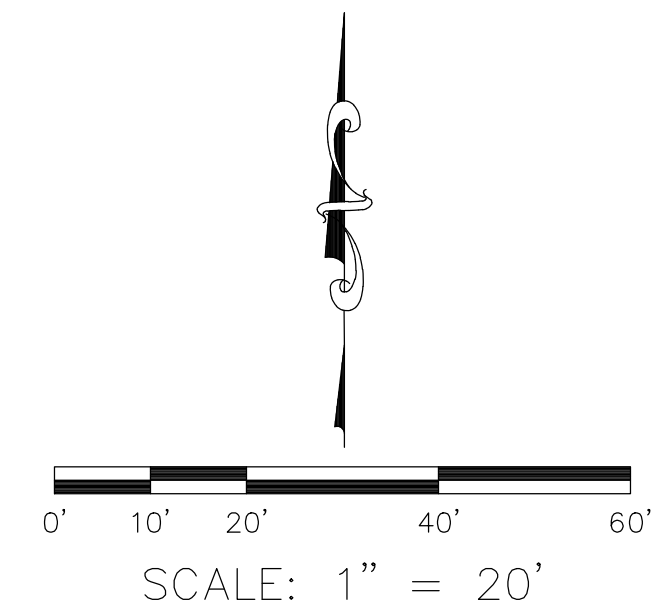
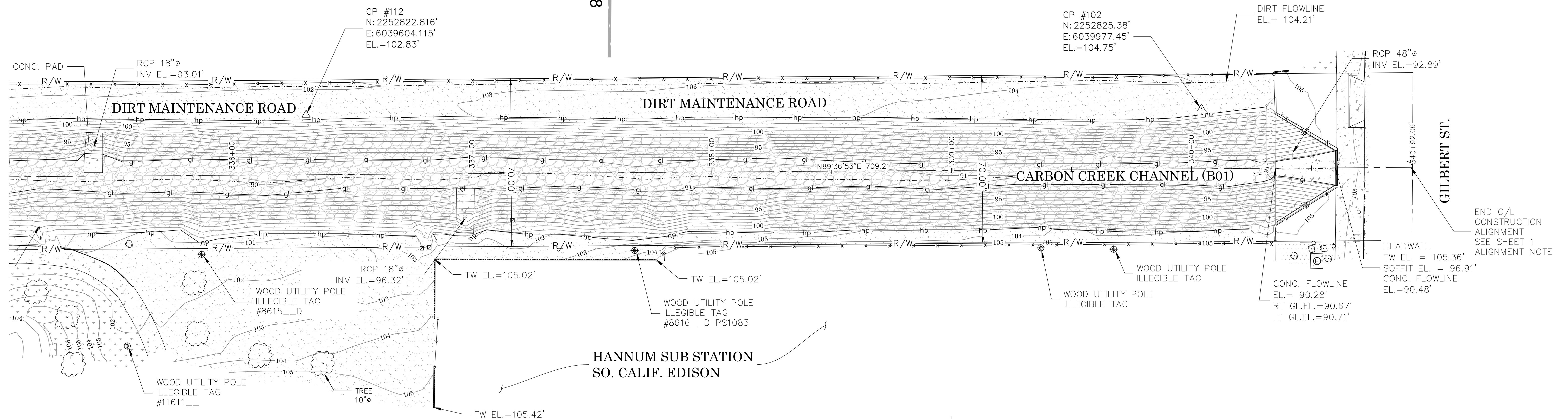
LINE PATTERN KEY

—	Centerline
— // —	Edge of Asphalt Pavement
—	Edge of Concrete Pavement
■ ■	Guard Rail Steel
- - -	Flowline
R/W	Right of Way
=====	Street Striping
=====	Concrete Wall
□ □ □ □ □ □ □ □	Block Wall
○	Hand Rail Steel
X	Chain Link Fence
hp	Hinge Point
PCB PCB	Exposed Pipe

AREA PATTERN KEY

	Concrete
	Dirt
	Grass
	Riprap

SEE SHEET 8



U.S. Survey Foot
OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

		COUNTY OF ORANGE OC PUBLIC WORKS OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING	
CARBON CREEK CHANNEL (B01) CHANNEL MAINTENANCE PROJECT			
TOPOGRAPHIC MAP			
FROM: STATION 312+43.64' TO STATION 340+92.06' UPSTREAM MAGNOLIA AVE. TO N. GILBERT ST.			
 	6/30/20	ADDITIONAL TOPO (SHEET 5)	
	4/14/20	ADDED SOFFIT ELEVATIONS	
MARK	DATE	ITEM	SHEET NO. 9 of 9
REVISIONS			
SCALE: 1" = 20' W.O. #EE21210 FILE NO.1920PW-IN0012 FILE: Carbon Creek_Channel_Topo_2020.DWG			