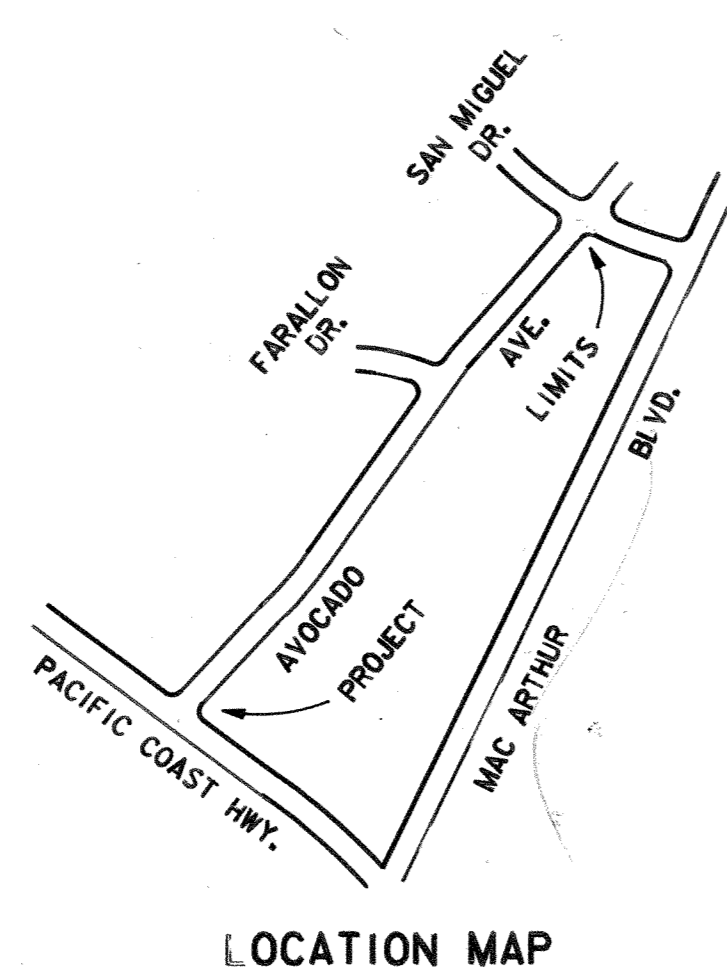


SYMBOL LEGEND

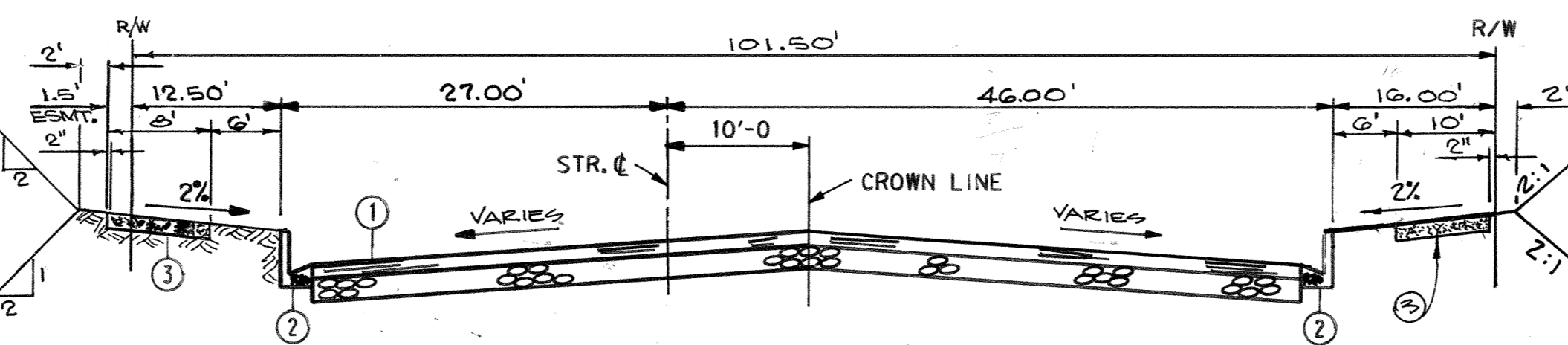
- POWER POLE
MANHOLE
FIRE HYDRANT
METER BOX
VALVE
POWER POLE ANCHOR
MONUMENT
FENCE
BLOCK WALL
TREE
SHRUBBERY
ASPHALT PAVEMENT
BRICK WALK
CONCRETE
BUILDING
EXISTING CONSTRUCTION
NEW CONSTRUCTION
CENTERLINE
SEWER LINE
WATER LINE
GAS LINE
POWER LINE
TELEPHONE LINE
CABLEVISION LINE
SPRINKLER SYSTEM
STREET LIGHT

Table with 2 columns: SHT.#, DESCRIPTION. Includes title sheet, plan & profile, storm drain details, and street lighting plan.

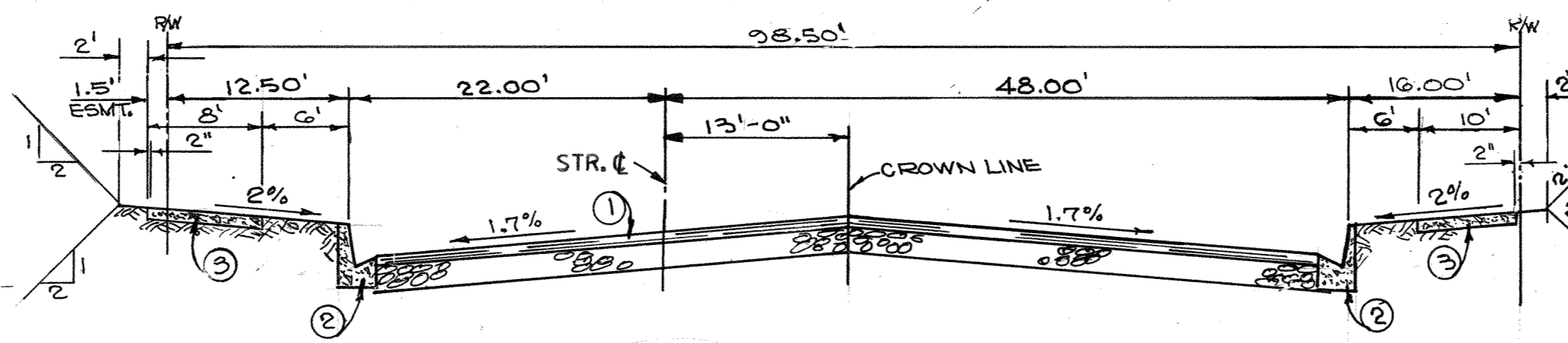


CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT IMPROVEMENT PLANS FOR AVOCADO AVENUE FROM EAST COAST HWY TO SAN MIGUEL DR.

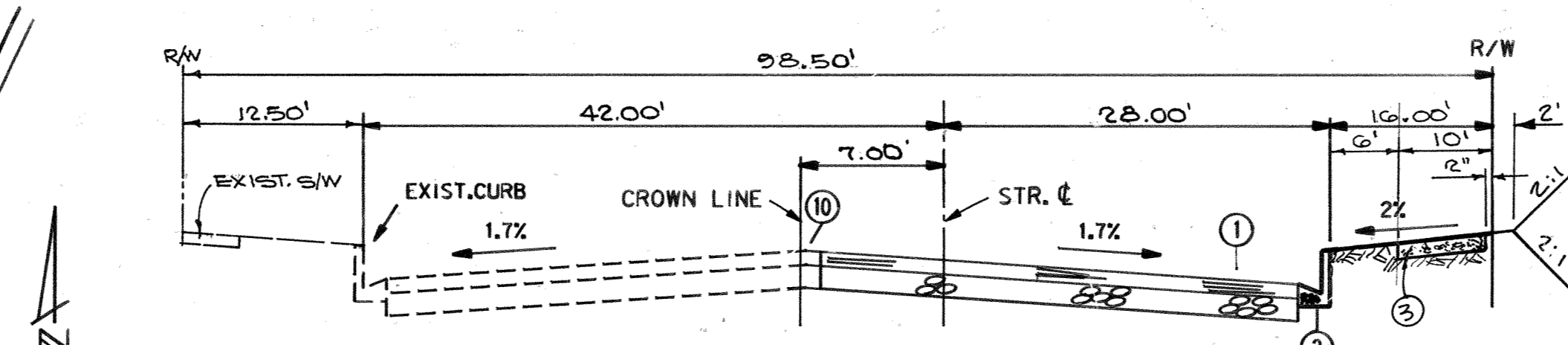
EARTHWORK QUANTITIES
RAW CUT = 27,248 CY
RAW FILL = 3,737 CY
THE ABOVE QUANTITIES ARE FOR ESTIMATING AND BONDING PURPOSES ONLY AND DO NOT INCLUDE ALLOWANCES FOR SHRINKAGE AND SUBSIDENCE...



AVOCADO AVE. STA. 1+50 TO STA. 3+99.04



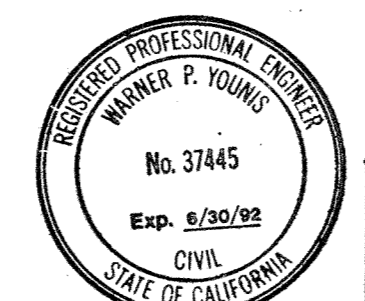
AVOCADO AVE. STA. 4+49.04 TO STA. 18+39



AVOCADO AVE. STA. 19+45 TO STA. 26+45.23

GENERAL NOTES

- 1. THE CONSTRUCTION OF ALL PUBLIC IMPROVEMENTS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPROPRIATE STANDARD DRAWINGS OF THE CITY OF NEWPORT BEACH...
2. STATIONING REFERS TO THE CENTERLINES OF THE STREET EXCEPT WHERE OTHERWISE NOTED.
3. CURB DATA REFERS TO FACE OF CURB.
4. ALL CONCRETE CURBS, GUTTERS, SIDEWALKS, DRAINAGE STRUCTURES AND RETAINING WALLS SHALL BE CONSTRUCTED OF CLASS 560-C-3250 P.C.C.
5. ALL EXPOSED CONCRETE SURFACES SHALL CONFORM IN GRADE, COLOR, AND FINISH TO ALL ADJOINING CURBS AND SIDEWALKS.



WESTERN PACIFIC ENGINEERING, INC. CIVIL ENGINEERS AND LAND SURVEYORS 151 Kalmus Drive, Suite D-102 Costa Mesa, California 92626 714/540-1021

Large table of items and quantities for the project. Includes items like concrete curb & gutter, storm drain pipe, manholes, and various valves.

QUANTITY ESTIMATE table with columns: ITEM, DESCRIPTION, QUANTITY, UNIT. Lists items 01 through 72 with their respective quantities and units.

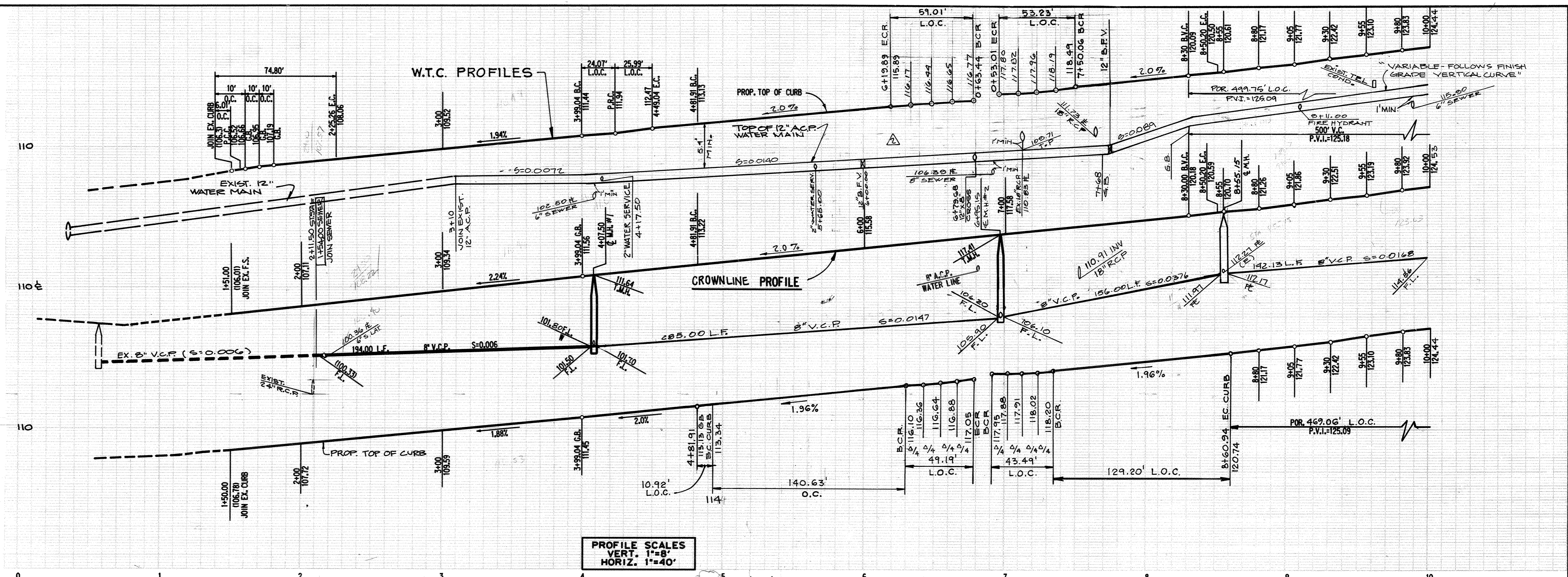
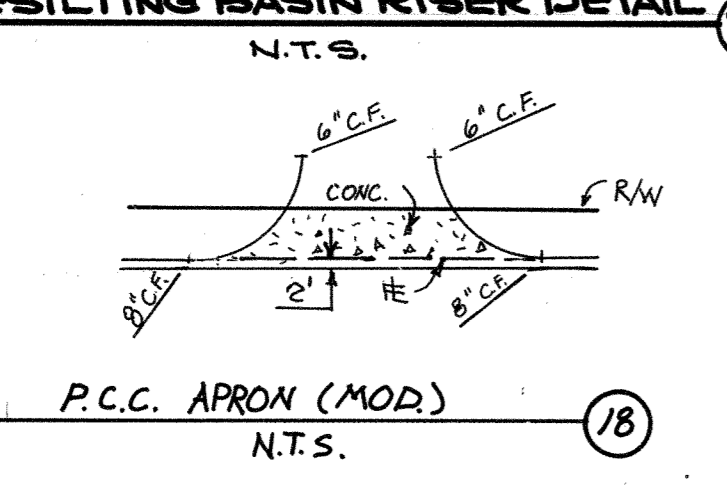
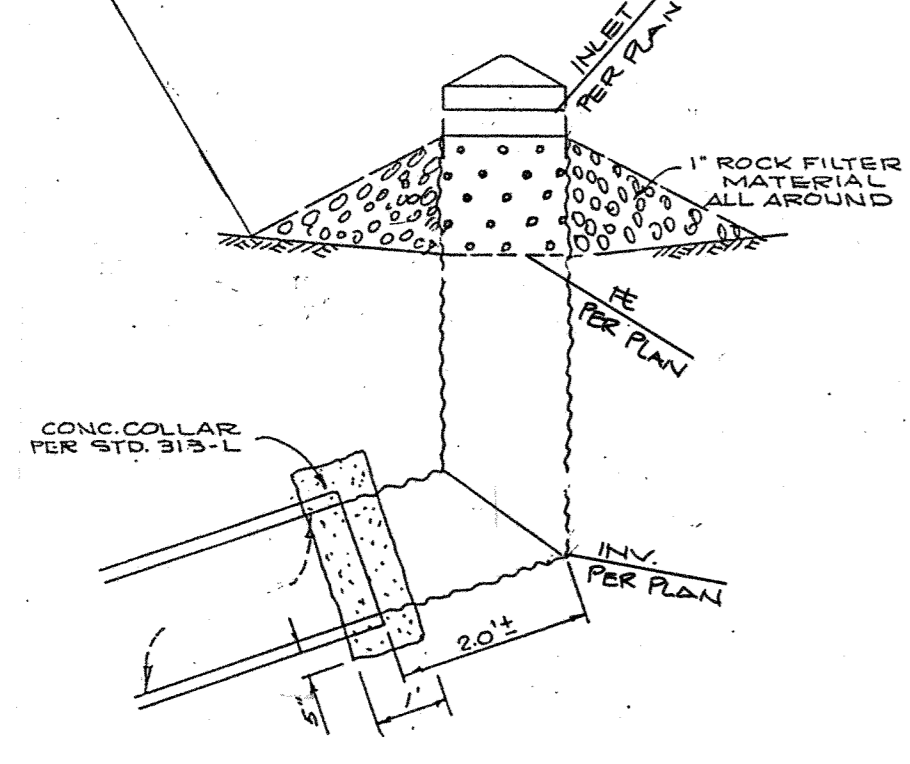
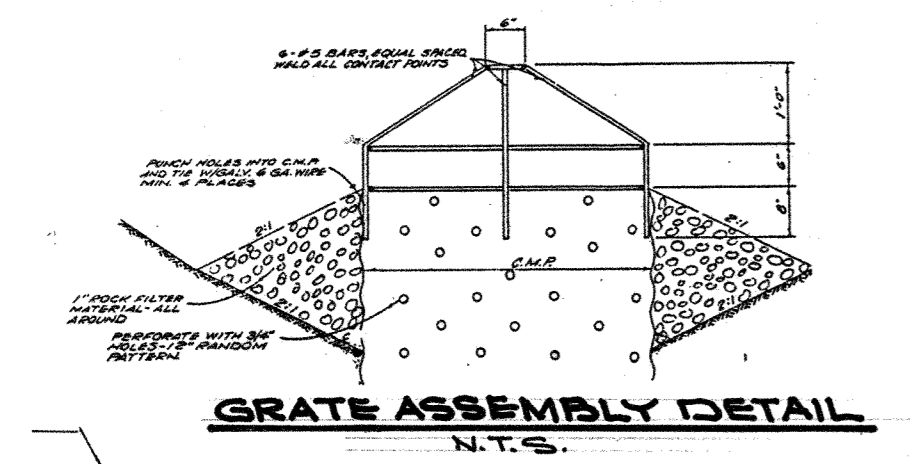
EMERGENCY TELEPHONE NUMBERS

Table with columns: AGENCY, NUMBER. Lists emergency contacts for Southern California Gas Company, Edison Company, etc.

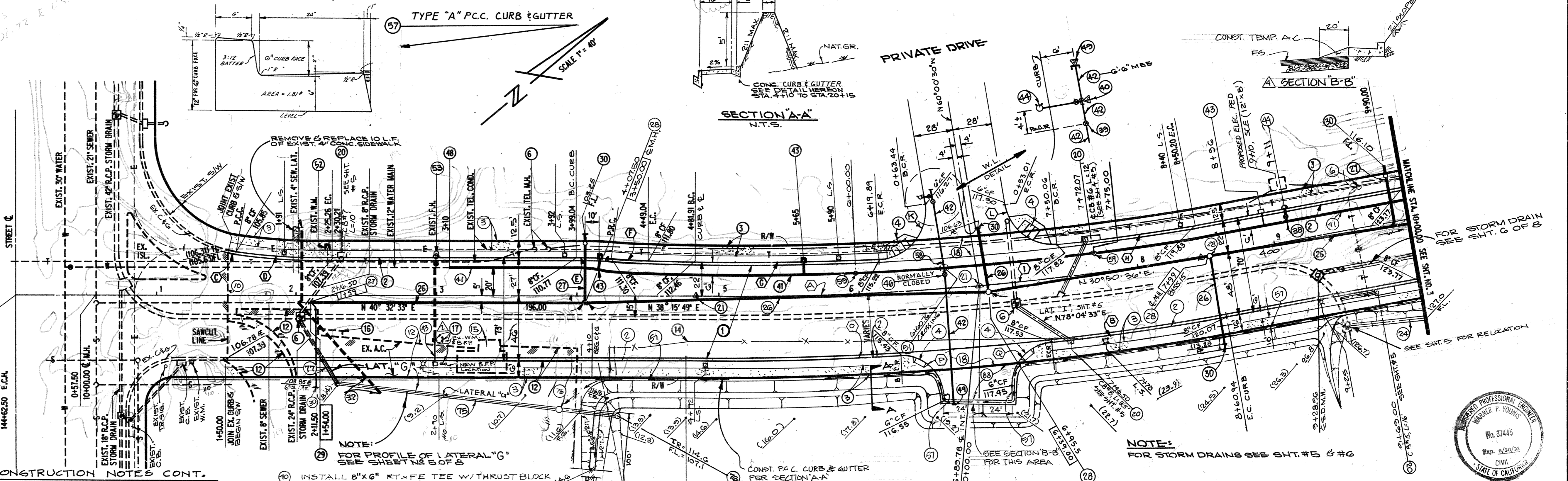
CITY OF NEWPORT BEACH UTILITIES DEPARTMENT. BENCHMARK: O.C.S. 35-18-70. BASIS OF BEARINGS: THE CENTERLINE OF EAST COAST HWY, N49°27'27"W...

CITY OF NEWPORT BEACH PREPARED UNDER THE SUPERVISION OF: Warner P. Younis, R.C.E. 37445, DATE 3/29/90.

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER
NO. 37445
EXPI. 8/30/92



- CONSTRUCTION NOTES**
- CONST. 6" A.C. W/SEAL COAT OVER 18" A.B. W/PRIME COAT.
 - CONST. TYPE "A" P.C.C. CURB & GUTTER (6" C.F.) PER N.B. STD. 182-L.
 - CONST. P.C.C. SIDEWALK PER N.B. STD. 180-L.
 - CONST. ACCESS RAMP, CASE E PER N.B. STD. 181-L.
 - CONST. GUNITE INTERCEPTOR DITCH PER DETAIL SHT. B.
 - ADJUST EXIST. M.H. TO GRADE.
 - JOIN EXIST. EDGE OF PAVEMENT BY SAW CUTTING 1.0' AND REMOVE EXIST. RASER OR CONFORMING A.C. PAVING, FEATHER OVER FOR A SMOOTH JOIN. REMOVE ALL A.C. PAVING INCL. WASH RACK WITHIN 2' W/ CONST. 8" V.C.P. SEWER MAIN.
 - CONST. 6" V.C.P. SEWER LATERAL & CLEANOUT PER C.N.B. STD. 406-L.
 - CONST. SEWER MANHOLE PER CITY STD. 401-L.
 - REMOVE EXIST. PLUG & JOIN.
 - PLUG END.
 - INSTALL 12" A.C.P. CL. 200 WATER MAIN.
 - INSTALL 8" A.C.P. CL. 200 WATER MAIN.
 - INSTALL 2" WATER SERVICE PER N.B. STD. 503-L.
 - INSTALL FIRE HYDRANT ASSEMBLY PER N.B. STD. 500-L (COMMERCIAL HYDRANT).
 - INSTALL 12" B.F. VALVE RT X FLG. PER N.B. STD. 508-L.
 - INSTALL 8" B.F. VALVE RT X FLG. PER N.B. STD. 508-L.
 - CONST. THRUST BLOCK PER N.B. STD. 510-L.
 - REMOVE EXIST. CAP & THRUST BLOCK, MAKE CONNECTION W/A.O. COLLAR. INSTALL CAP AND THRUST BLOCK PER N.B. STD. 510-L.
 - REMOVE EXIST. CHAIN LINK FENCE.
 - REMOVE EXIST. CONCRETE SLAB.
 - REMOVE EXIST. PLANTER CURB.
 - RELOCATE EXIST. BACKFLOW PREVENTER AND W.M. PER PLAN.
 - CONST. P.C.C. APRON 6" CONC. OVER 4" A.B. PER C.N.B. STD. 181-L (MOD).
 - CONST. 24" R.C.P. (2000-D) STORM DRAIN PER N.B. STD. 403-L.
 - CONST. DESILTING BASIN W/24" C.M.P. RISER PER DET. HEREON.
 - CONST. LOCAL DEPRESSION PER N.B. STD. 304-L.
 - INSTALL 12" X 8" CROSSING RT. X FLG.



- CONSTRUCTION NOTES CONT.**
- INSTALL 8" RT X RT BUTTERFLY VALVE.
 - CONST. MONUMENT PER N.B. STD. 116-L.
 - ADJUST EXIST. W.M. TO GRADE.
 - INSTALL 12" BUTTERFLY VALVE (R.T.).
 - CONST. 24" R.C.P. (2000-D) STORM DRAIN PIPE.
 - REMOVE SEWER LATERAL BACK TO RAW & PLUG END.
 - EXIST. FIRE HYDRANT TO BE RELOCATED, ADJ. TO GRADE.
 - INSTALL 12" X 6" RT. & FE. TEE W/THRUST BLOCK.
 - INSTALL 8" RT. X FE. ADAPTER.
 - CONST. TYPE "A" P.C.C. CURB & GUTTER (6" C.F.) PER N.B. 182-L.
 - INSTALL 6" RT X FE BUTTERFLY VALVE.

AVOCADO

CITY OF NEWPORT BEACH
THIS PLAN IS SIGNED BY THE CITY OF NEWPORT BEACH FOR CONCEPT AND APPROVAL TO CITY STANDARDS AND REGS. ONLY. THE CITY IS NOT RESPONSIBLE FOR DESIGN ASSUMPTIONS AND ACCURACY.

POINT	DELTA	RADIUS	LENGTH	TANGENT
O	96° 35' 52"	35.00'	59.01'	39.28'
K	81° 01' 52"	35.00'	53.23'	33.29'
N	3° 56' 18"	2046.00'	140.63'	70.34'
P	93° 56' 18"	30.00'	49.19'	32.14'
Q	83° 04' 02"	30.00'	43.49'	26.57'

WESTERN PACIFIC ENGINEERING
DATE: 5/22/90 BY: W.W. DESCRIPTION: REV. CURVE DATA (H-1), ADDED SHT. 5-5 ON SHT. 2, ADDED "LAT." X, NOTES 83-84 ON SHT. 5
DATE: 5-9-90 BY: W.P. DESCRIPTION: REV. CONST. NOTES 1 AND 11 AND WATER LINE GRADE
DATE: 9/16/90 BY: W.P. DESCRIPTION: REV. CONST. NOTES 11, ADD. CURB RETURN @ 26+42.78 AND ADDED NOTE # 102

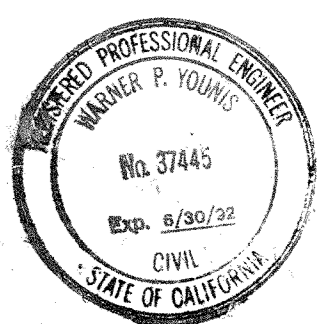
DESIGNED: W.W. DRAWN: H.A.L.
CHECKED: W.P. DATE: 1-22-90

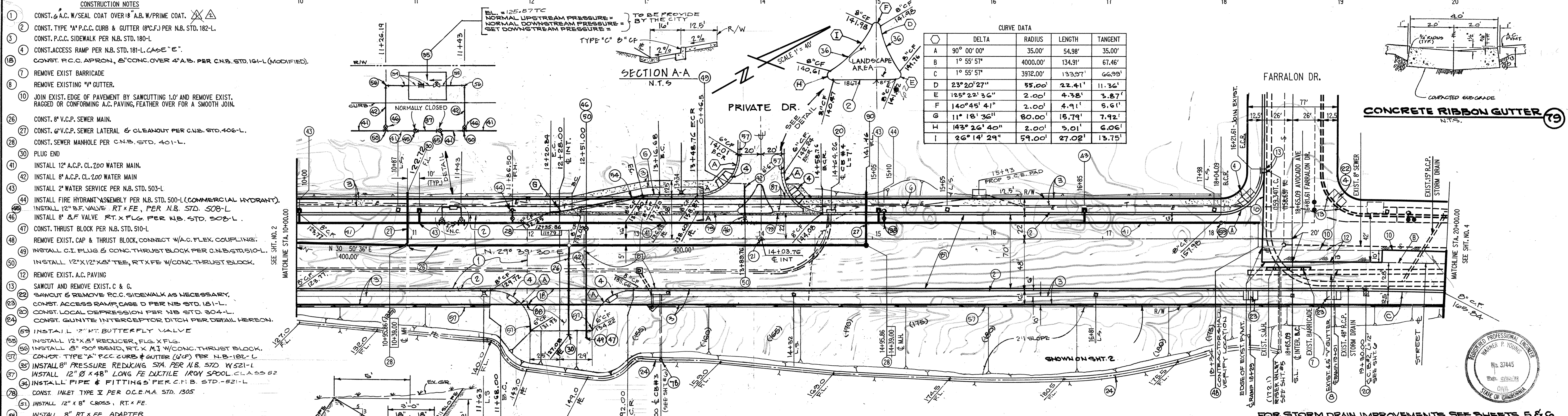
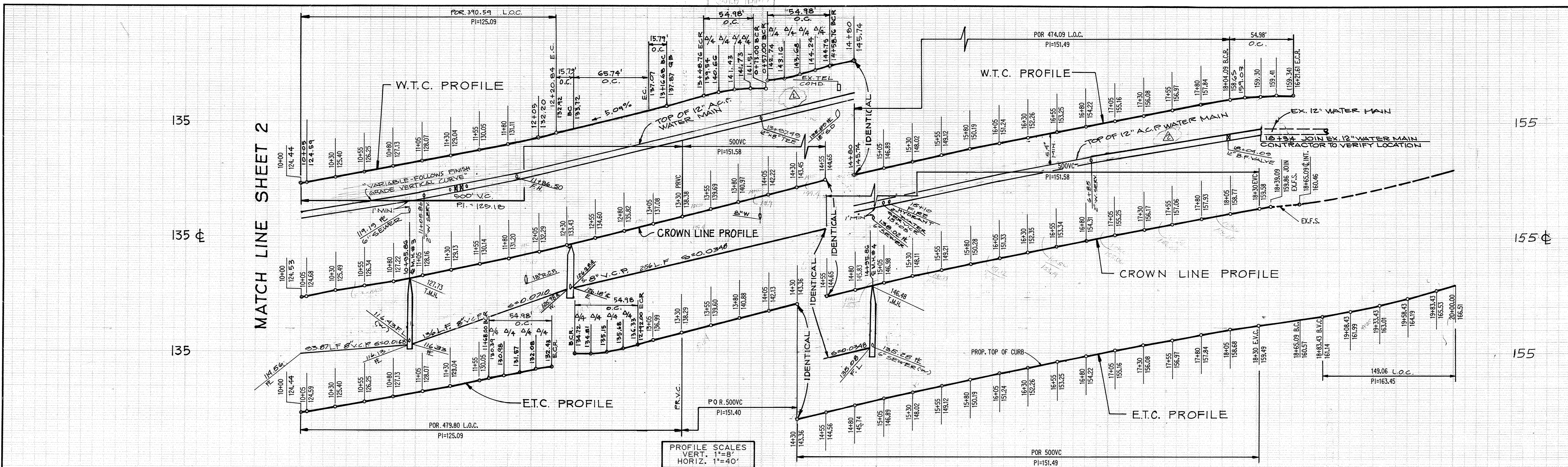
NO.	DATE	DESCRIPTION	APP'D.	DESIGNED	DRAWN
1	5/22/90	REV. CURVE DATA (H-1), ADDED SHT. 5-5 ON SHT. 2, ADDED "LAT." X, NOTES 83-84 ON SHT. 5		W.W.	H.A.L.
2	5-9-90	REV. CONST. NOTES 1 AND 11 AND WATER LINE GRADE		W.P.	H.A.L.
3	9/16/90	REV. CONST. NOTES 11, ADD. CURB RETURN @ 26+42.78 AND ADDED NOTE # 102		W.P.	H.A.L.

PLAN AND PROFILE FOR THE IMPROVEMENT OF
AVOCADO AVE.
FROM 0+00.00 TO 10+00.00

CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT

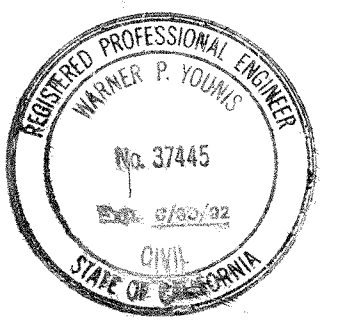
R-5649-S
SHEET 2 OF 8





CURVE DATA

	DELTA	RADIUS	LENGTH	TANGENT
A	90° 00' 00"	35.00'	54.98'	35.00'
B	1° 55' 57"	4000.00'	134.91'	67.46'
C	1° 55' 57"	3912.00'	133.97'	66.99'
D	23° 20' 27"	55.00'	22.41'	11.36'
E	125° 22' 36"	2.00'	4.78'	3.87'
F	140° 45' 41"	2.00'	4.91'	5.61'
G	11° 18' 36"	80.00'	15.79'	7.92'
H	143° 26' 40"	2.00'	3.01'	6.06'
I	26° 14' 29"	59.00'	27.02'	13.75'



CITY OF NEWPORT BEACH
WESTERN PACIFIC ENGINEERING

THIS PLAN IS SIGNED BY THE CITY OF NEWPORT BEACH FOR THE CITY AND ADHERENCE TO CITY STANDARDS AND REQUIREMENTS ONLY. THE CITY IS NOT RESPONSIBLE FOR DESIGN ASSUMPTIONS AND ACCURACY.

DATE: 3/29/90
DATE: 7/15/98

REVISIONS

NO.	DATE	DESCRIPTION	APP'D.
1	3-9-90	REV. CONST. NOTE #1 AND #17	J. GRAHAM
2	4/6/90	REV. CONST. NOTE #1, ADD. CURB RETURN @ 1842.18 AND ADD. NOTE #102	W. Y.

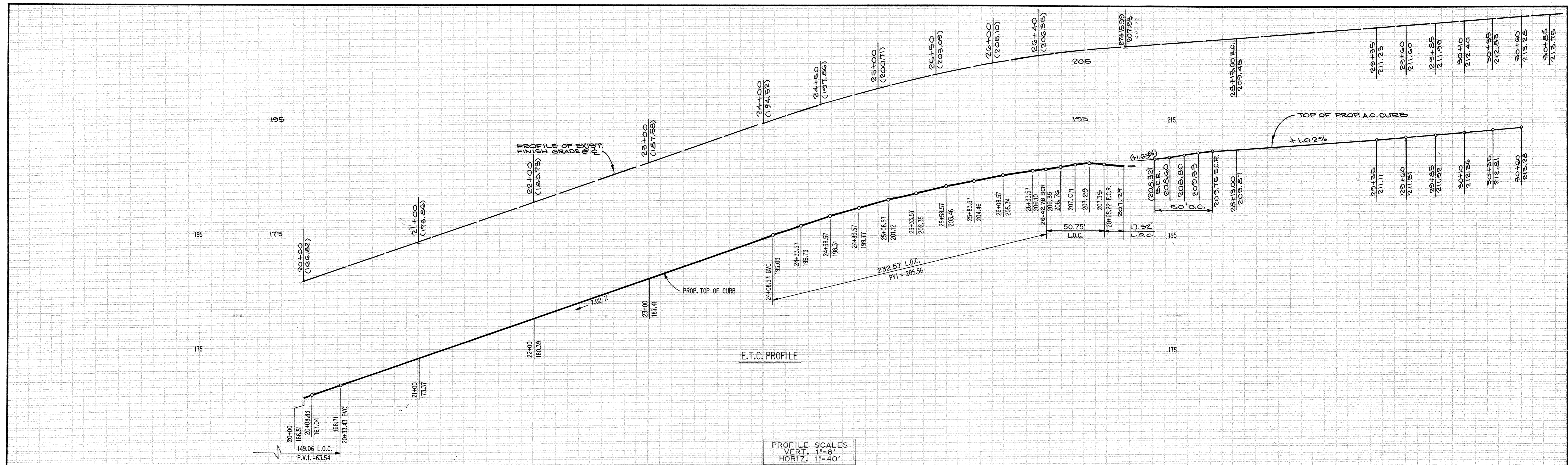
DESIGNED: C.G.
CHECKED: W.Y.

DRAWN: N.M.
DATE: 1-22-90

PLAN AND PROFILE FOR THE IMPROVEMENT OF
AVOCADO AVE.
FROM 10+00.00 TO 20+00.00

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

R-5649
SHEET 3 OF 8

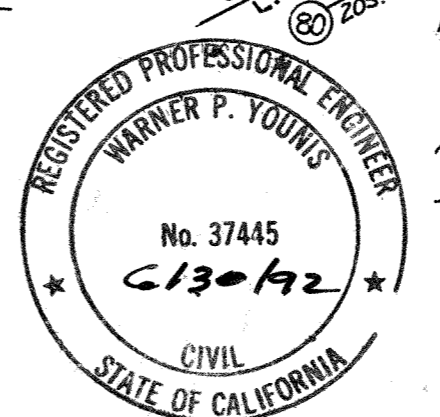
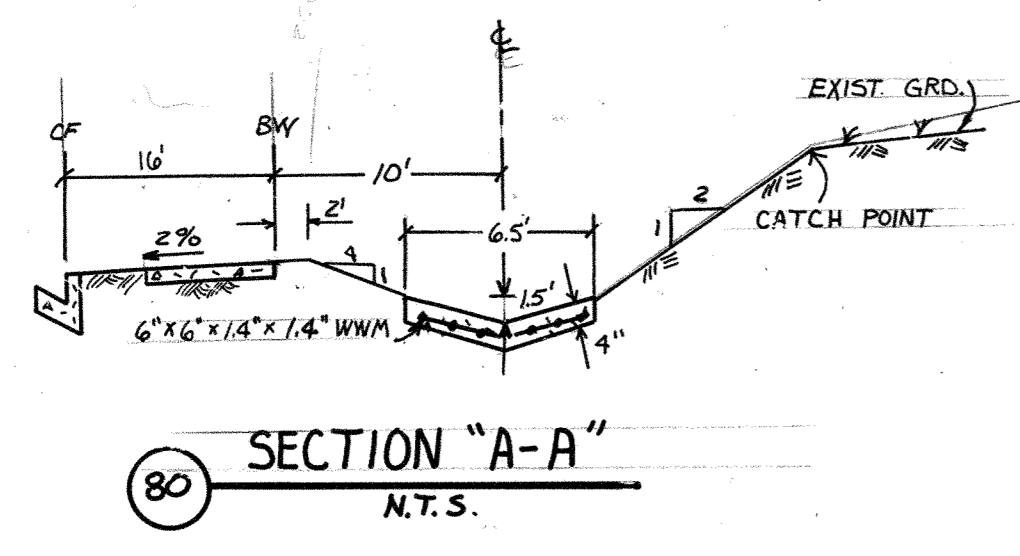
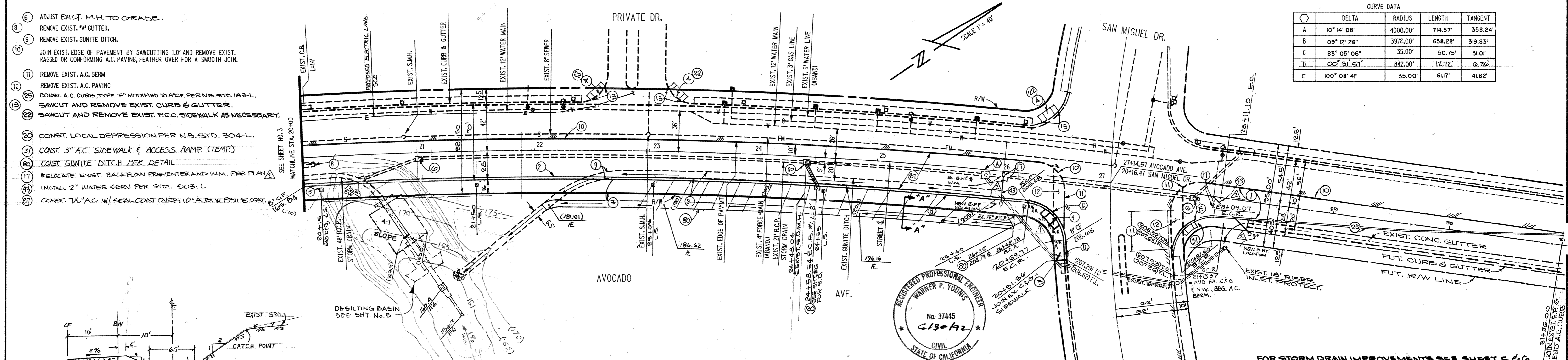


PROFILE SCALES
VERT. 1"=8'
HORIZ. 1"=40'

- CONSTRUCTION NOTES
- 1 CONST. 6" A.C. W/ SEAL COAT OVER 16" A.B. W/ PRIME COAT.
 - 2 CONST. TYPE "A" P.C.C. CURB & GUTTER (8" C.F.) PER N.B. STD. 182-L.
 - 3 CONST. P.C.C. SIDEWALK PER N.B. STD. 180-L.
 - 4 CONST. ACCESS RAMP PER N.B. STD. 181-L, CASE "E".
 - 6 ADJUST EXIST. M.H. TO GRADE.
 - 8 REMOVE EXIST. 4" GUTTER.
 - 9 REMOVE EXIST. GUNITE DITCH.
 - 10 JOIN EXIST. EDGE OF PAVEMENT BY SAWCUTTING 1.0' AND REMOVE EXIST. RAGGED OR CONFORMING A.C. PAVING, FEATHER OVER FOR A SMOOTH JOIN.
 - 11 REMOVE EXIST. A.C. BERM.
 - 12 REMOVE EXIST. A.C. PAVING.
 - 13 CONST. A.C. CURBS, TYPE "E" MODIFIED TO 8" C.F. PER N.B. STD. 183-L.
 - 14 SAWCUT AND REMOVE EXIST. CURB & GUTTER.
 - 15 SAWCUT AND REMOVE EXIST. P.C.C. SIDEWALK AS NECESSARY.
 - 16 CONST. LOCAL DEPRESSION PER N.B. STD. 304-L.
 - 17 CONST. 3" A.C. SIDEWALK & ACCESS RAMP (TEMP).
 - 18 CONST. GUNITE DITCH PER DETAIL.
 - 19 RELOCATE EXIST. BACKFLOW PREVENTER AND W.M. PER PLAN.
 - 20 INSTALL 2" WATER SERV. PER STD. 503-L.
 - 21 CONST. 1/4" A.C. W/ SEAL COAT OVER 10" A.B. W/ PRIME COAT.

CURVE DATA

	DELTA	RADIUS	LENGTH	TANGENT
A	10° 14' 08"	4000.00'	714.57'	358.24'
B	09° 12' 26"	3972.00'	638.28'	319.83'
C	83° 05' 06"	35.00'	50.75'	31.01'
D	00° 51' 57"	842.00'	12.72'	6.36'
E	100° 08' 41"	35.00'	61.17'	41.82'



CITY OF NEWPORT BEACH THIS PLAN IS PREPARED BY THE CITY OF NEWPORT BEACH FOR THE CITY ENGINEER AND IS SUBJECT TO THE CITY ENGINEER'S REVIEW AND APPROVAL. THE CITY ENGINEER IS NOT RESPONSIBLE FOR DESIGN ASSUMPTIONS AND ACCURACY.		WESTERN PACIFIC ENGINEERING DATE: 5/12/90 BY: W.P.		PLAN AND PROFILE FOR THE IMPROVEMENT OF AVOCADO AVE. FROM 20+00.00 TO 27+16	
CITY ENGINEER: <i>Warner P. Youngs</i> 5/12/90 DATE		REGISTERED PROFESSIONAL ENGINEER No. 37445 C33092 CIVIL STATE OF CALIFORNIA		FOR STORM DRAIN IMPROVEMENTS SEE SHEET 5 & 6	
REVISIONS 5-9-90 W.P. REV. CONST. NOTE #1 AND #7 4/27/90 W.P. REV. CONST. NOTE #1, ADJ. CURB RETURNS @ 26+42.76 AND ADDED NOTE #102		APPD. DESIGNED W.P. CHECKED W.Y.		DRAWN: HAL DATE:	
CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT		SHEET 4 OF 8		R-5649	

DRAWING NUMBER
R-5649-S

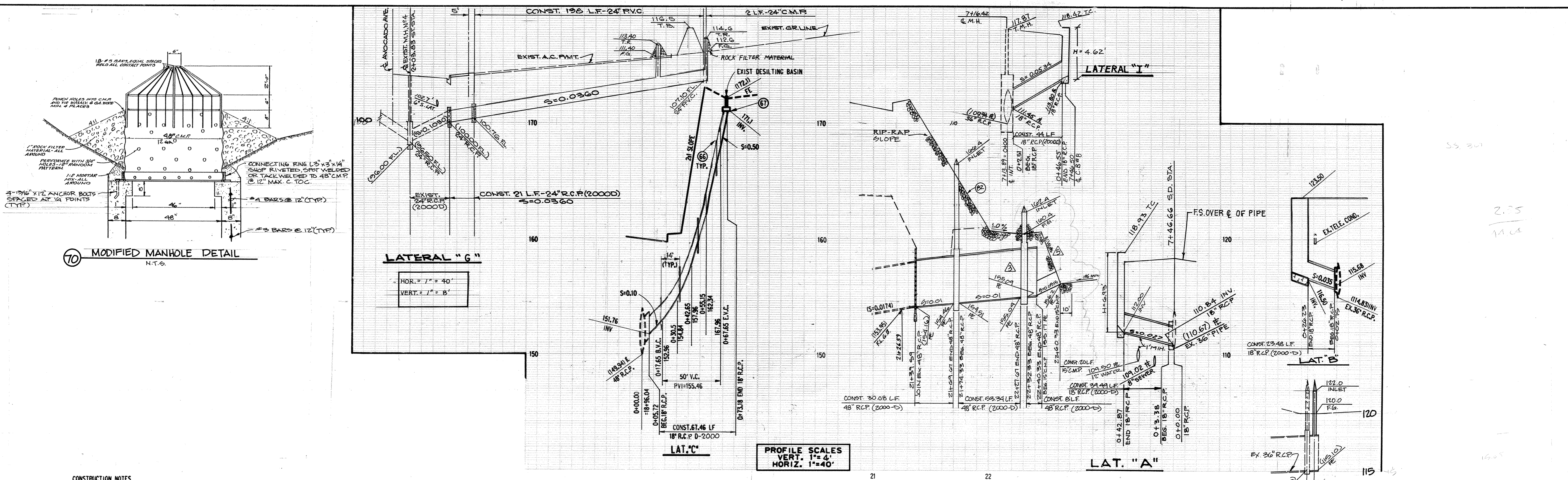
DRAWING NUMBER
STORM DRAIN
PLAN
SEE

DRAWING NUMBER
10 R-5649-S

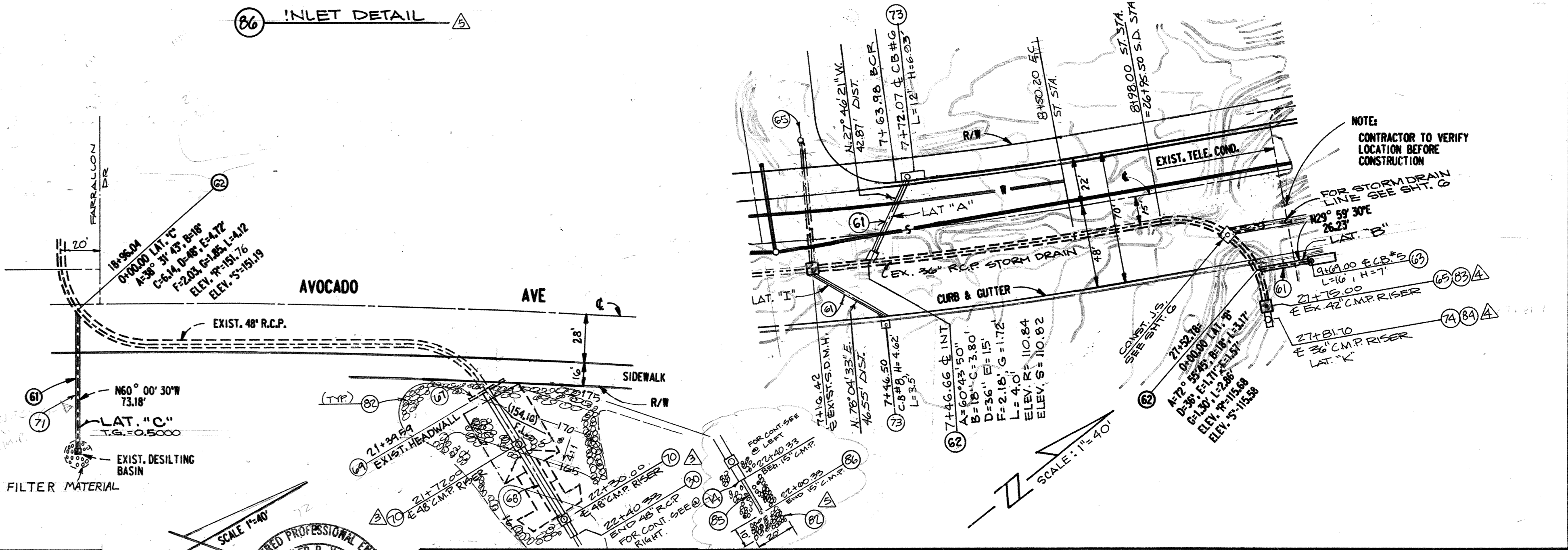
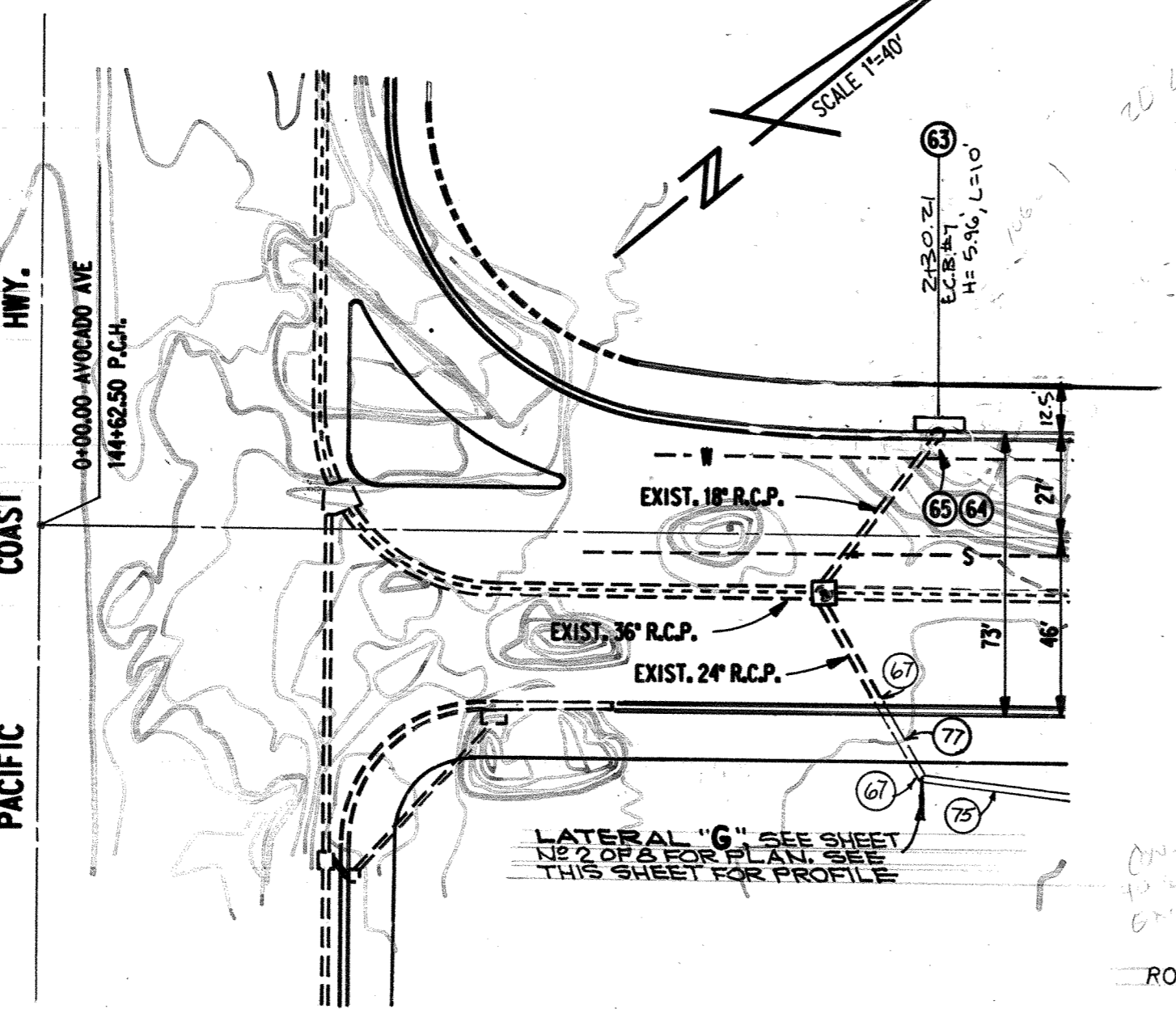
DRAWING NUMBER
10 R-5649-S
AVOCADO AVE.

DRAWING NUMBER
R-5649-S

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REORDER BY NUMBER 07049
REVISIONS: 1-22-90



- CONSTRUCTION NOTES**
- (61) CONST. 18" R.C.P. STORM DRAIN (2000D)
 - (62) CONST. JUNC. STRUCTURE NO.2 PER N.B. STD. 311-L
 - (63) CONST. CATCH BASIN TYPE OL PER N.B. STD. 306-L
 - (64) CONST. CONNECTION TO C.B. PER N.B. STD. 309-L
 - (65) PLUG END
 - (66) REMOVE EXIST. DESILTING BASIN
 - (67) CONST. CONC. SLOPE ANCHORS PER N.B. STD. 314-L
 - (68) CONST. CONC. COLLAR PER N.B. STD. 313-L
 - (69) CONST. 48" R.C.P. STORM DRAIN (2000D)
 - (70) REMOVE EXISTING DEBRIS BASIN, HEADWALL, SPILLWAY & 24" C.M.P.
 - (71) CONST. MODIFIED MANHOLE NO. 2 PER C.I.T.N.B. STD. 301-L AND 48" C.M.P. RISER PER DETAIL ON SHT. 2
 - (72) CONST. CONNECTION ASSEMBLY PER N.B. STD. 312-L
 - (73) REMOVE EXIST. STORM DRAIN
 - (74) CONST. CATCH BASIN, TYPE OS PER N.B. STD. 306-L
 - (75) CONST. 18" C.M.P. STORM DRAIN
 - (76) CONST. DESILTING BASIN W/ 24" C.M.P. RISER PER DETAIL ON SHT. 2
 - (77) CONST. RIP-RAP SLOPE PER O.C.E.M.A. STD. 1809 THICKNESS (T) EQUAL TO 1/16" DEEP (D) MIN. WHERE "D" IS NORMAL ROCK DIAMETER.
 - (78) CONST. STD. 30" M.H. FRAME AND COVER PER N.B. STD. 114-L
 - (79) CONST. 36" C.M.P. RISER PER GRATE ASSEMBLY DETAIL ON SHT. 2
 - (80) CONST. 15" C.M.P. STORM DRAIN W/ BITUMINOUS COATING.
 - (81) CONST. INLET OPENING PER DETAIL ON SHT. 5.



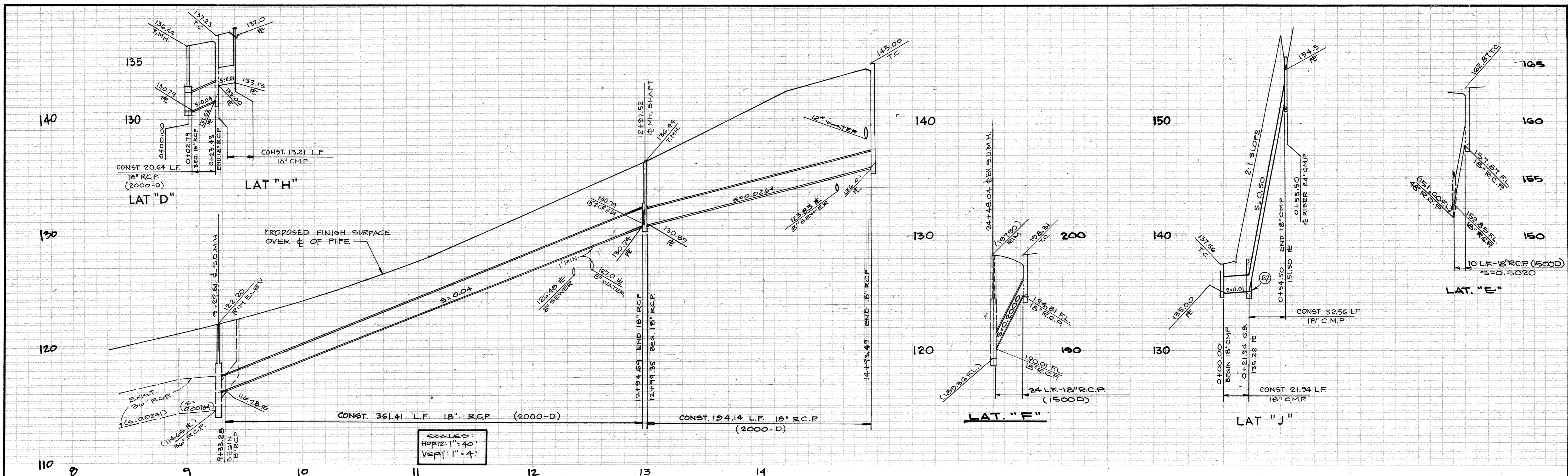
CITY OF NEWPORT BEACH
 THIS PLAN IS SIGNED BY THE CITY OF NEWPORT BEACH FOR CONCEPT AND ADHERENCE TO CITY STANDARDS AND REQUIREMENTS ONLY. THE CITY IS NOT RESPONSIBLE FOR DESIGN ASSUMPTIONS AND ACCURACY.
Warner P. Young
 CITY ENGINEER
 3/29/92
 DATE

REGISTERED PROFESSIONAL ENGINEER
 WARNER P. YOUNG
 No. 37445
 CIVIL
 STATE OF CALIFORNIA

WESTERN PACIFIC ENGINEERING
 WARNER P. YOUNG R.C.E.
 EXP. 6/30/92
 DATE 7/5/88
 37445

DATE	BY	DESCRIPTION	APPD.	DATE
6/21/90	G.R.C.	ADDED NOTE # 85 & 86 AND REV. S.D. INLET		
5/10/90	W.W.	REV. CURVE DATA (A) ADDED SECT. 5 WITH SH. 2 ADDED AT 'I' NOTES 85-84 ON SHT. 5.		
5/10/90	W.W.	REV. NOTE # 10 ADDED NOTE # 82 AND REV. S.D. RISER.		

PLAN AND PROFILE FOR THE IMPROVEMENT OF
STORM DRAIN
 LATERALS "A", "B", "C", "G", & "I"
CITY OF NEWPORT BEACH
 PUBLIC WORKS DEPARTMENT
R-5649
 SHEET 5 OF 8



SCALE:
HORIZ: 1" = 40'
VERT: 1" = 4'

CONSTRUCTION NOTES

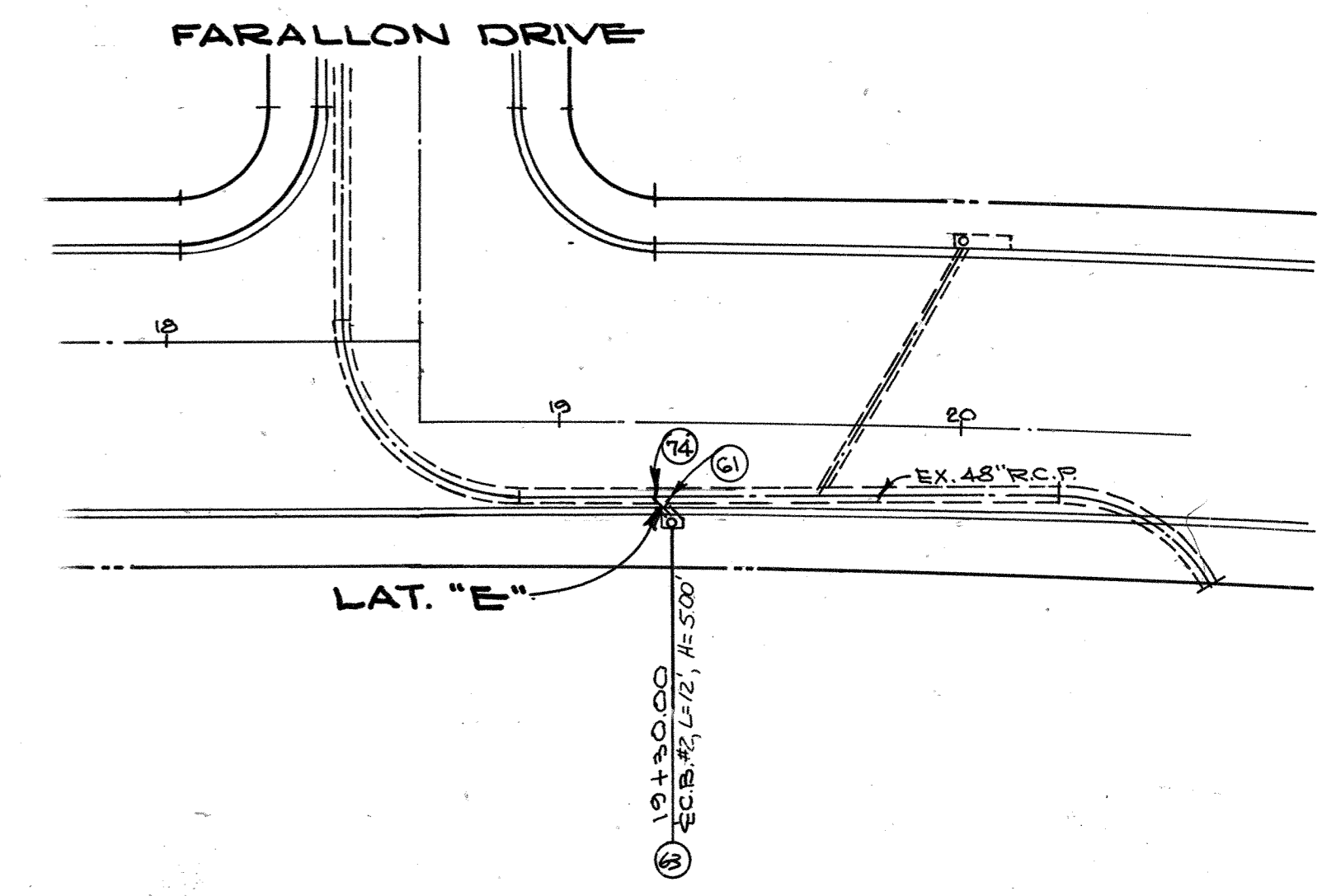
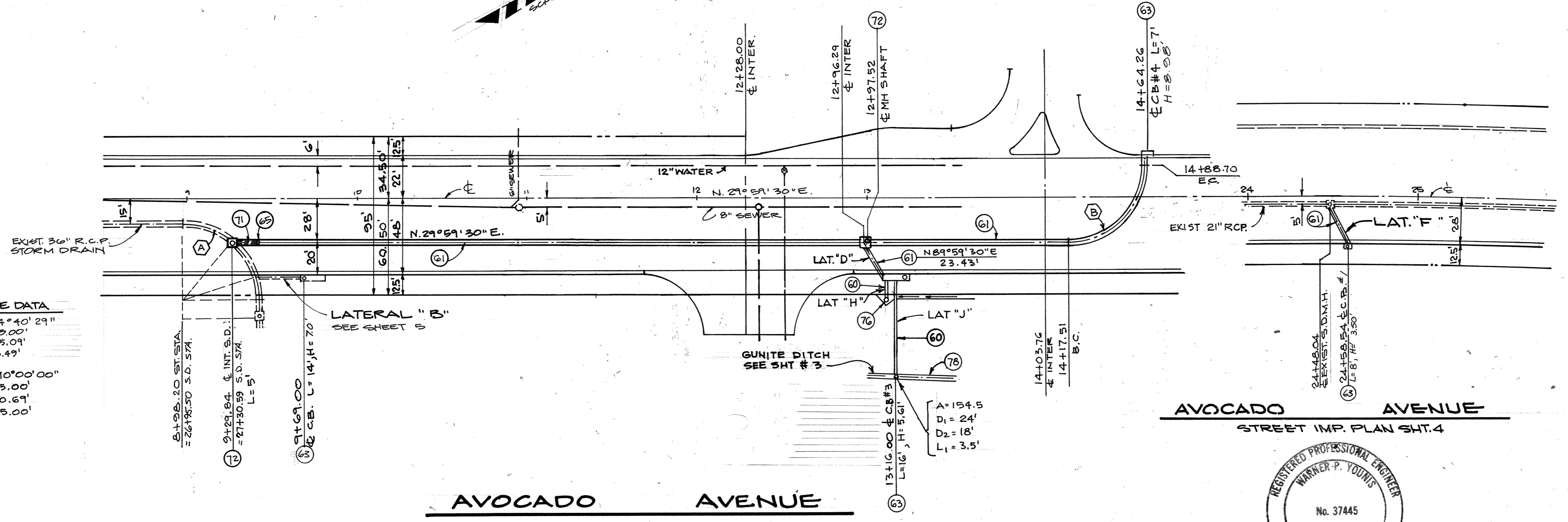
- (7) CONST. CONC. COLLAR PER N.B. STD 313-L
- (8) CONST. INLET TYPE 'X' PER O.C.E.M.A. STD 1305
- (9) CONST. 18" C.M.P. STORM DRAIN
- (10) CONST. DESILTING BASIN RISER SEE DETAIL SHT. #2.

CONSTRUCTION NOTES

- (1) CONST. 18" R.C.P. (2000-D) STORM DRAIN.
- (2) REMOVE EXIST. DESILTING BASIN.
- (3) REMOVE EXIST. STORM DRAIN.
- (4) CONST. JUNCT. STRUCTURE NO. 1 PER N.B. STD. 310-L.
- (5) CONST. CURB INLET TYPE 0L PER STD. 306-L.
- (6) CONST. CURB INLET, TYPE 0S PER N.B. STD. 306-L.
- (7) CONST. CONNECTION ASSY. PER N.B. STD. 312-L.

CURVE DATA

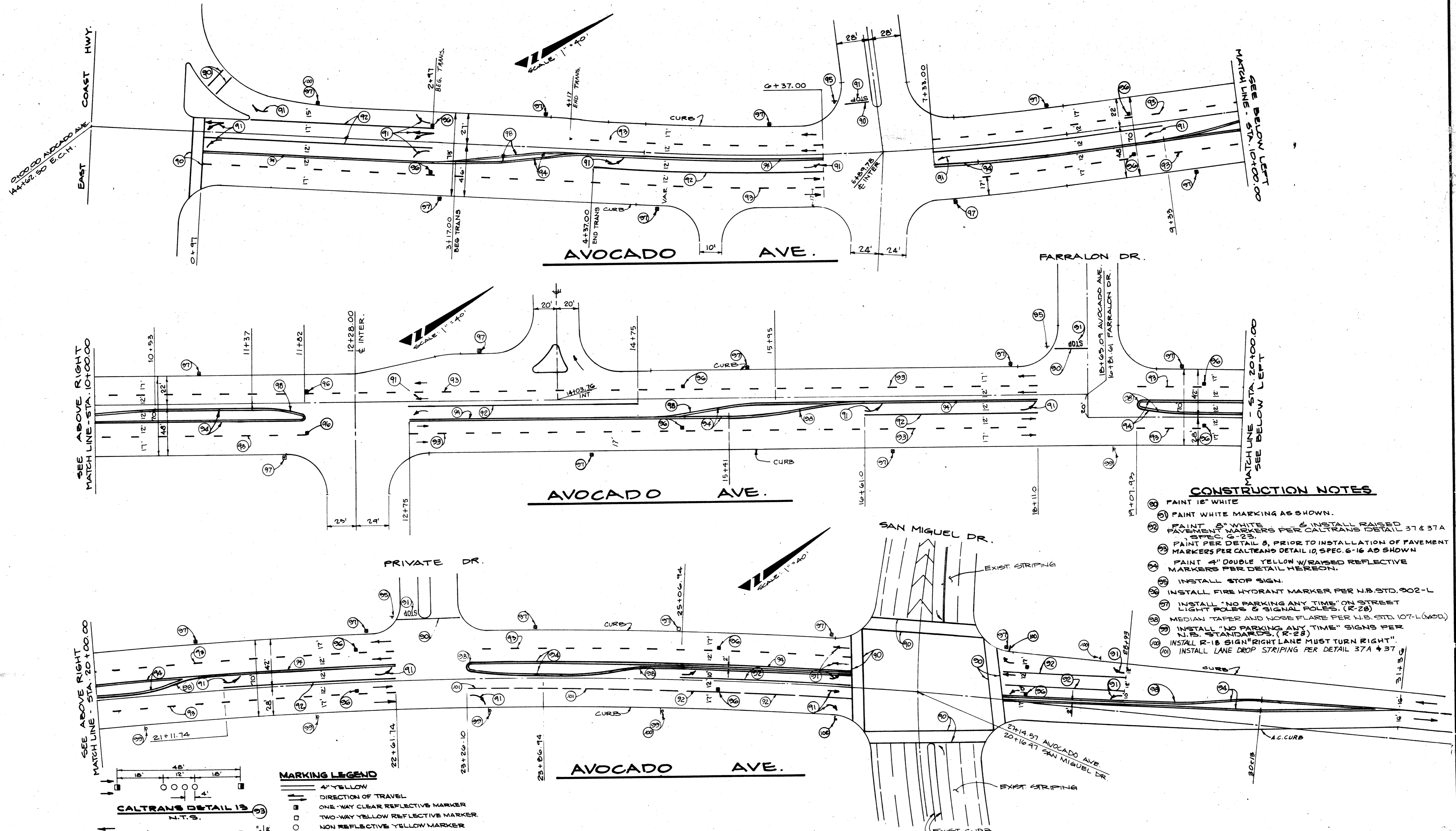
A	D = 90°00'00"
	TR = 45.00'
	LR = 70.69'
	LR = 45.00'



AVOCADO AVENUE
STREET IMP. PLAN SHT. 4



<p>CITY OF NEWPORT BEACH THIS PLAN IS SIGNED BY THE CITY OF NEWPORT BEACH FOR CONCEPT AND ADHERENCE TO CITY STANDARDS AND REQUIREMENTS ONLY. THE CITY IS NOT RESPONSIBLE FOR DESIGN ASSUMPTIONS AND ACCURACY.</p> <p><i>Warner P. Young</i> 3/29/90 CITY ENGINEER DATE</p>		<p>WESTERN PACIFIC ENGINEERING No. 37445 DATE</p>		<p>DATE BY DESCRIPTION APP'D.</p>		<p>DATE DESIGNED C.G. CHECKED V.Y.</p>		<p>DATE DRAWN N.M. DATE 1-22-90</p>		<p>PLAN AND PROFILE FOR THE IMPROVEMENT OF STORM DRAIN AVOCADO AVENUE LATERALS 'C', 'D', 'E' & 'F'</p>	
<p>CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT</p>						<p>R-5649</p>		<p>SHEET 6 OF 8</p>			



SEE ABOVE RIGHT MATCH LINE - STA. 10+00.00

SEE ABOVE RIGHT MATCH LINE - STA. 20+00.00

MATCH LINE - STA. 10+00.00 SEE BELOW LEFT

MATCH LINE - STA. 20+00.00 SEE BELOW LEFT

CONSTRUCTION NOTES

- 1) PAINT 12" WHITE
- 2) PAINT WHITE MARKING AS SHOWN.
- 3) PAINT 6" WHITE PAVEMENT MARKERS PER CALTRANS DETAIL 37 & 37A, SPEC. 6-23.
- 4) PAINT PER DETAIL 8, PRIOR TO INSTALLATION OF PAVEMENT MARKERS PER CALTRANS DETAIL 10, SPEC. 6-16 AS SHOWN.
- 5) PAINT 4" DOUBLE YELLOW W/RAISED REFLECTIVE MARKERS PER DETAIL HEREON.
- 6) INSTALL STOP SIGN.
- 7) INSTALL FIRE HYDRANT MARKER PER U.S. STD. 302-L.
- 8) INSTALL "NO PARKING ANY TIME" ON STREET LIGHT POLES & SIGNAL POLES, (R-28).
- 9) MEDIAN TAPE AND HOSE FLARE PER U.S. STD. 107-L (MOD).
- 10) INSTALL "NO PARKING ANY TIME" SIGNS PER U.S. STANDARDS, (R-28).
- 11) INSTALL R-18 SIGN "RIGHT LANE MUST TURN RIGHT".
- 12) INSTALL LANE DROP STRIPING PER DETAIL 37A & 37B.

MARKING LEGEND

- 4" YELLOW
- DIRECTION OF TRAVEL
- ONE-WAY CLEAR REFLECTIVE MARKER
- TWO-WAY YELLOW REFLECTIVE MARKER
- NON REFLECTIVE YELLOW MARKER

CALTRANS DETAIL 13 N.T.S.

CALTRANS DETAIL 29 N.T.S.



CITY OF NEWPORT BEACH
 THIS PLAN IS SIGNED BY THE CITY OF NEWPORT BEACH FOR THE CITY AND APPROVED FOR THE CITY ENGINEER AND REQUIREMENTS ONLY. THE CITY IS NOT RESPONSIBLE FOR DESIGN ASSUMPTIONS AND ADHERENCE.

Richard M. Edmonson 12/4/90
 TRAFFIC ENGINEER DATE

WESTERN PACIFIC ENGINEERING
 WAIVER P. YOUNG R.C.E. 7/5/88
 EXP. 6-30-90 37445

DATE	BY	DESCRIPTION	APP'D.	DESIGNED	DRAWN
				W.P.	N.M.
				CHECKED	DATE
				W.Y.	1-22-90

STRIPING PLAN
 AVOCADO AVE.

CITY OF NEWPORT BEACH
 PUBLIC WORKS DEPARTMENT

R-5649
 SHEET 7 OF 8
 IRV 05

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REPRODUCED BY NUMBER 07548
PROPRIETARY TRADE OR SERVICE MARK

DRAWING NUMBER
STRIPING PLAN
7 OF 8

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REPRODUCED BY NUMBER 07548
PROPRIETARY TRADE OR SERVICE MARK

R-5649-S

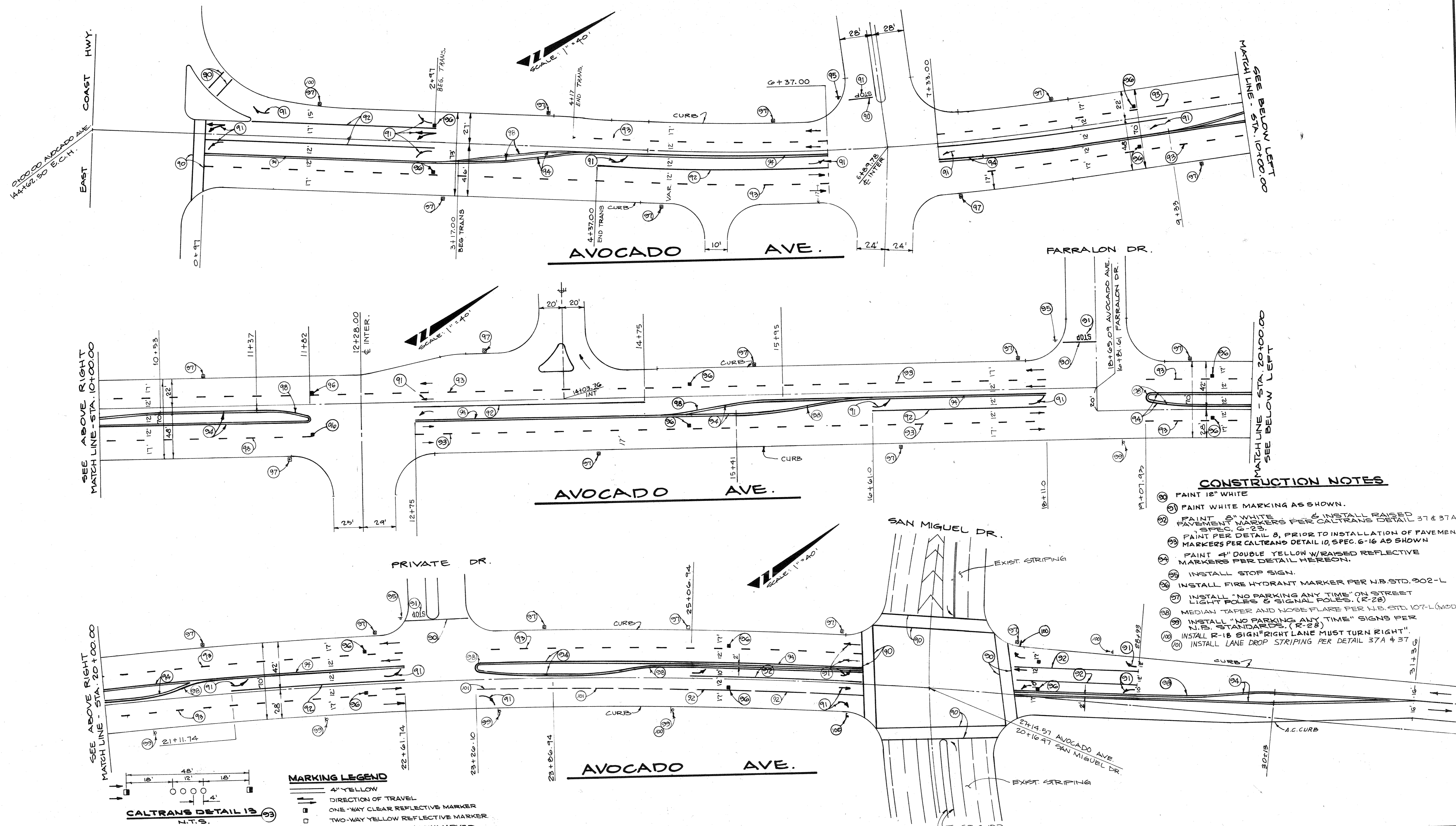
DRAWING NUMBER
R-562 (R-562-10)
AVOCADO AVE

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REPRODUCED BY NUMBER 07548
PROPRIETARY TRADE OR SERVICE MARK

DRAWING NUMBER
IKW 02/10

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REPRODUCED BY NUMBER 07548
PROPRIETARY TRADE OR SERVICE MARK

ORIGINAL TO TRAFFIC

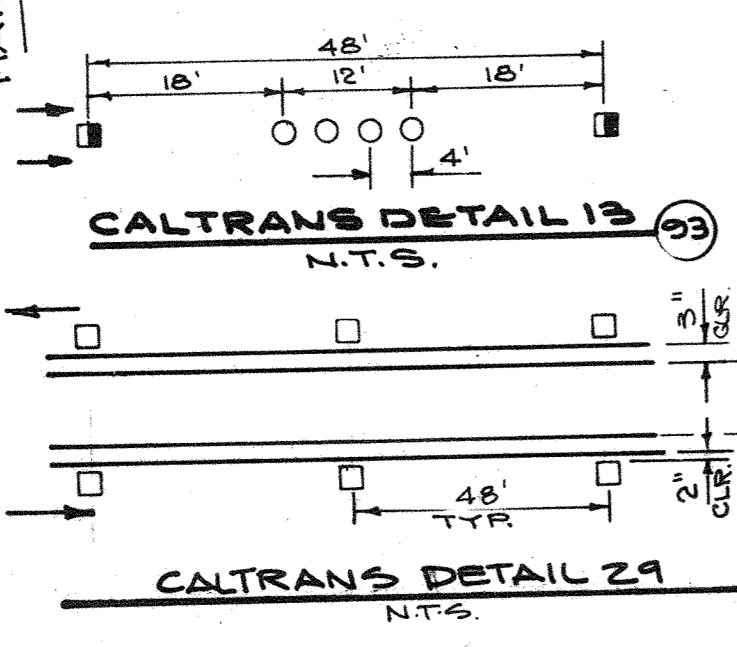


SEE ABOVE RIGHT
MATCH LINE - STA. 10+00.00

SEE ABOVE RIGHT
MATCH LINE - STA. 20+00.00

MATCH LINE - STA. 10+00.00
SEE BELOW LEFT

MATCH LINE - STA. 20+00.00
SEE BELOW LEFT



- MARKING LEGEND**
- 4" YELLOW
 - DIRECTION OF TRAVEL
 - ONE-WAY CLEAR REFLECTIVE MARKER
 - TWO-WAY YELLOW REFLECTIVE MARKER
 - NON REFLECTIVE YELLOW MARKER



CITY OF NEWPORT BEACH
 THIS PLAN IS SIGNED BY THE CITY OF NEWPORT BEACH FOR THE CITY OF NEWPORT BEACH AND THE CITY OF NEWPORT BEACH IS NOT RESPONSIBLE FOR DESIGN ASSUMPTIONS AND ADHERENCE.

WESTERN PACIFIC ENGINEERING
 Richard M. Edman
 TRAFFIC ENGINEER
 1/24/90
 DATE

Warner P. Young
 7/15/88
 DATE

DATE	BY	DESCRIPTION	APP'D.

DESIGNED	DRAWN
W.P.	N.M.
CHECKED	DATE
W.Y.	1-22-90

STRIPING PLAN
AVOCADO AVE.

CITY OF NEWPORT BEACH
 PUBLIC WORKS DEPARTMENT

R-5649
 SHEET 7 OF 8
 IRV 08

- CONSTRUCTION NOTES**
1. PAINT 12" WHITE
 2. PAINT WHITE MARKING AS SHOWN.
 3. PAINT 8" WHITE & INSTALL RAISED PAVEMENT MARKERS PER CALTRANS DETAIL 37 & 37A SPEC. G-23.
 4. PAINT PER DETAIL 8, PRIOR TO INSTALLATION OF PAVEMENT MARKERS PER CALTRANS DETAIL 10, SPEC. G-16 AS SHOWN
 5. PAINT 4" DOUBLE YELLOW W/RAISED REFLECTIVE MARKERS PER DETAIL HEREON.
 6. INSTALL STOP SIGN.
 7. INSTALL FIRE HYDRANT MARKER PER N.B. STD. 302-L
 8. INSTALL "NO PARKING ANY TIME" ON STREET LIGHT POLES & SIGNAL POLES. (R-28)
 9. MEDIAN TAPER AND NOSE FLARE PER N.B. STD. 107-L (MOD.)
 10. INSTALL "NO PARKING ANY TIME" SIGNS PER N.B. STANDARDS. (R-28)
 11. INSTALL R-18 SIGN "RIGHT LANE MUST TURN RIGHT"
 12. INSTALL LANE DROP STRIPING PER DETAIL 37A & 37

DRAWING NUMBER
IKV 02 11

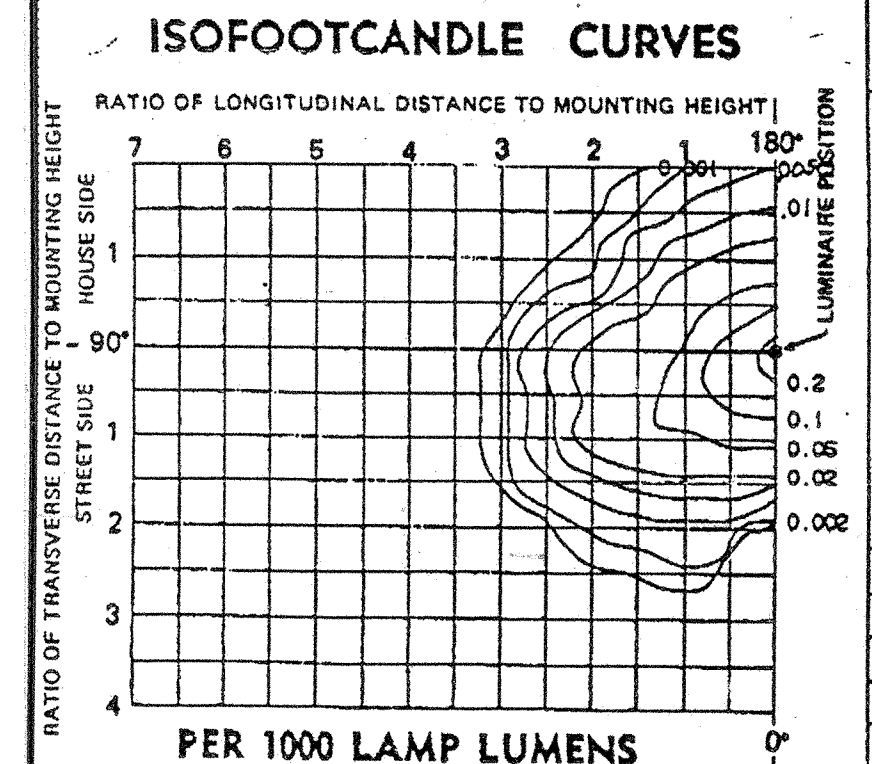
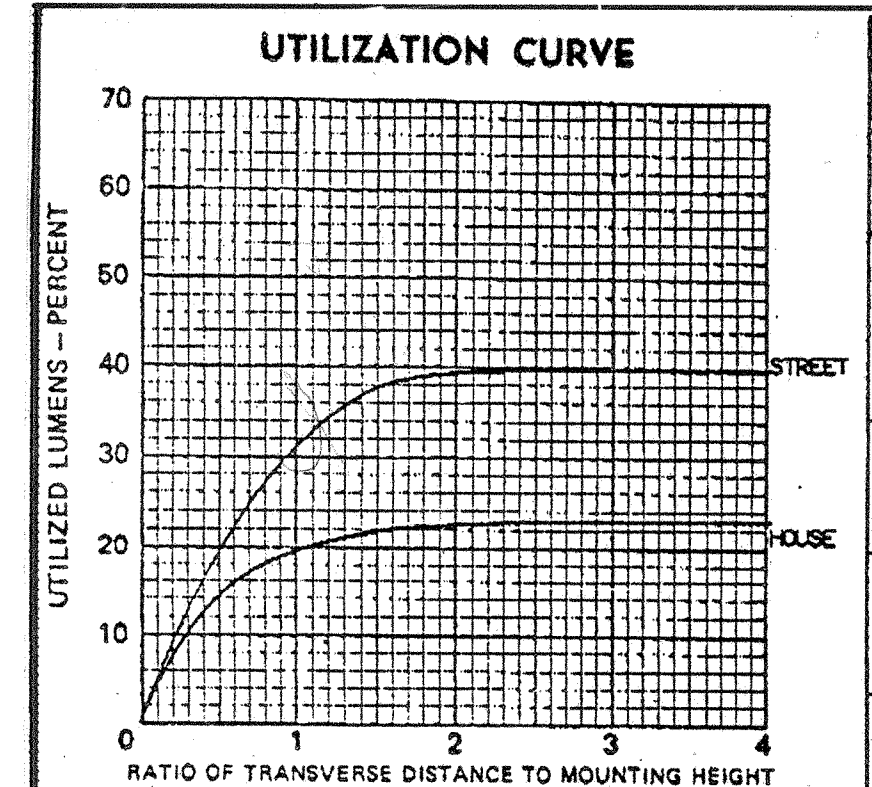
DRAWING NUMBER
STREET LIGHTING
PLAN
E OF E

R-5649-S

DRAWING NUMBER
IKV 02 (REV 11/10)
AVOCADO AVE

DRAWING NUMBER
IKV 02

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORDED BY NUMBER 07548



PER 1000 LAMP LUMENS

NOTE: 1 FOOTCANDLE = 10.76 LUX

MOUNTING HEIGHT CORRECTION FACTORS FOR OTHER THAN 30 FEET

USE TABLE BELOW OR FACTOR = TACTUAL/30

MOUNTING HEIGHT - FEET	20	25	30	35	40	45	50
FACTOR	2.25	1.44	1.00	0.73	0.56	0.44	0.36

GENERAL ELECTRIC

PHOTOMETRIC DATA

LIGHTING SYSTEMS BUSINESS DEPARTMENT
HENDERSONVILLE, N. C. U.S.A. 28739

PER 1000 LAMP LUMENS

LUMINAIRE
M-250A2 CUTOFF
REFLECTOR 35-232433
REFRACTOR FLAT GLASS
SOCKET POSITION 1B

LAMP
175 WATT CLEAR METAL HALIDE

ANSI/IES TYPE 1972
SHORT CUT-OFF 11
CIE TYPE CUT-OFF

GENERAL INFORMATION

TEST DISTANCE 7.0 METERS
MAX CANDELA 88.8
MAX CONE 297.5
MAX VERTICAL PLANE 0.0
MAX CANDELA AT 90° 0.0
NADIR FOOTCANDLES 0.2509
NADIR CANDELA 225.8

MULTIPLY ALL LUMEN, CANDELA, AND FOOTCANDLE VALUES BY THIS RATIO

RATIO - ACTUAL LAMP LUMENS / 1000

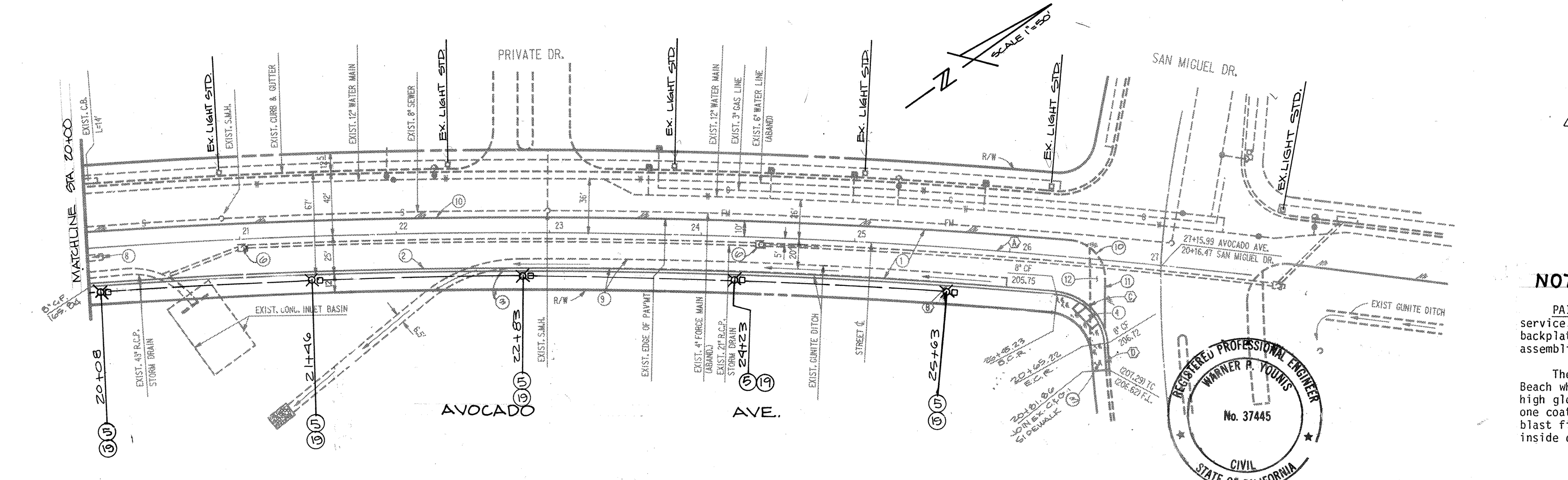
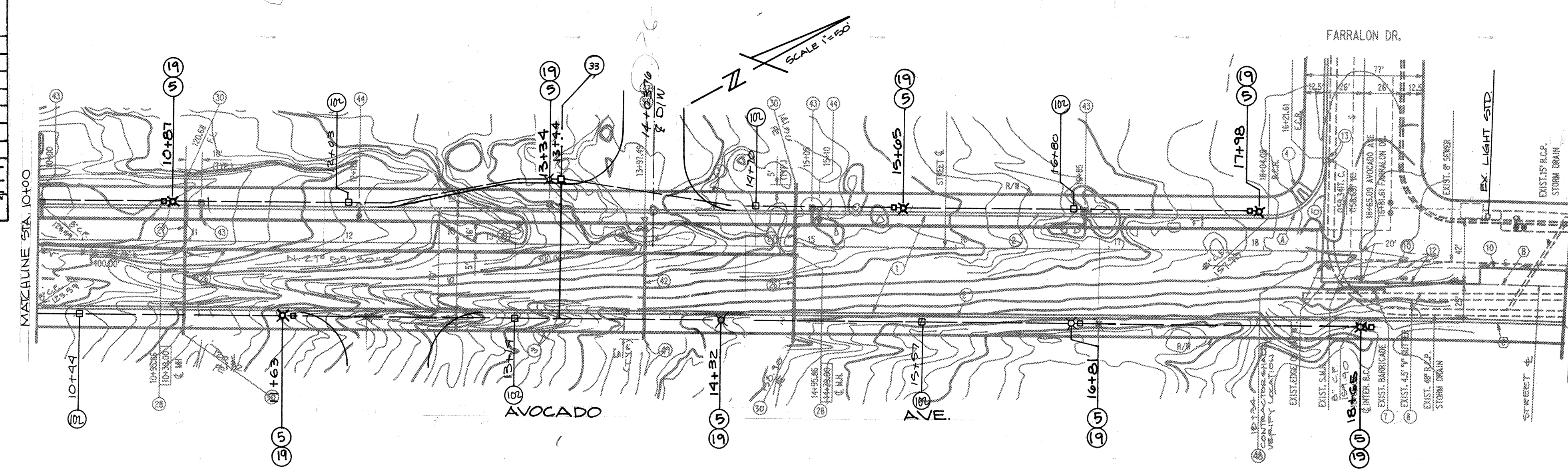
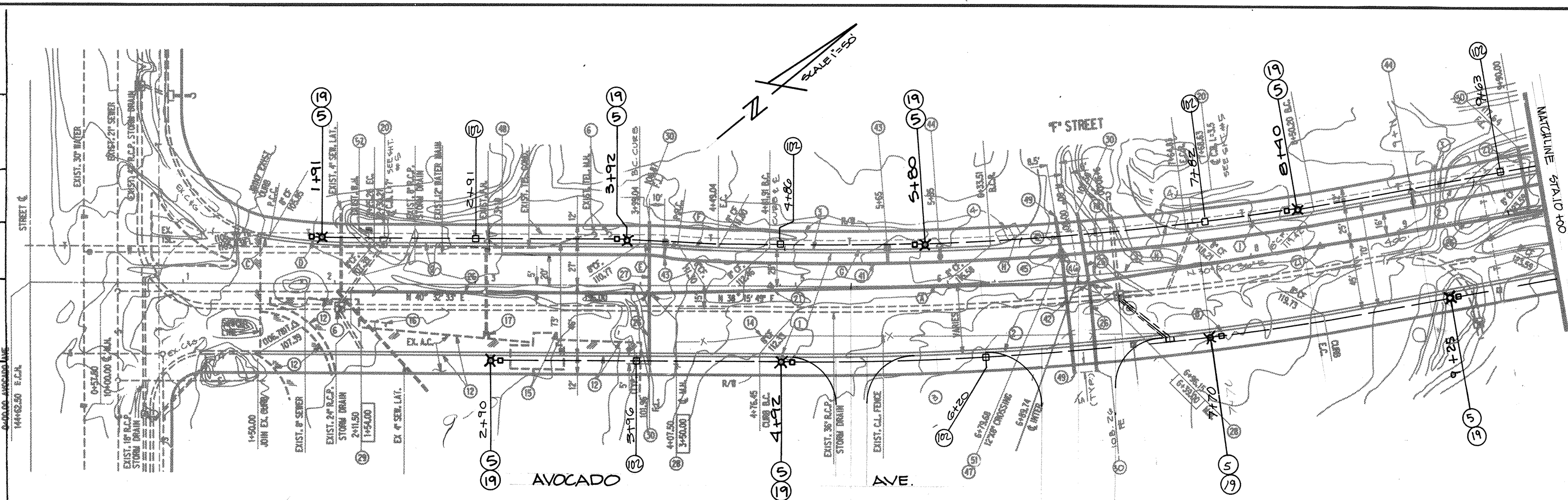
PHOTOMETRIC TEST IN ACCORDANCE WITH IES GUIDE

LIGHT FLUX VALUES

	LUMENS	PERCENT OF LAMP
DOWNWARD STREET SIDE	388	39.8
UPWARD STREET SIDE	0	0.0
DOWNWARD HOUSE SIDE	224	22.4
UPWARD HOUSE SIDE	0	0.0
TOTAL	611	61.1

TESTED DATE 2/22/80
APPROVED DATE 2/26/80

35-177299



NOTES:

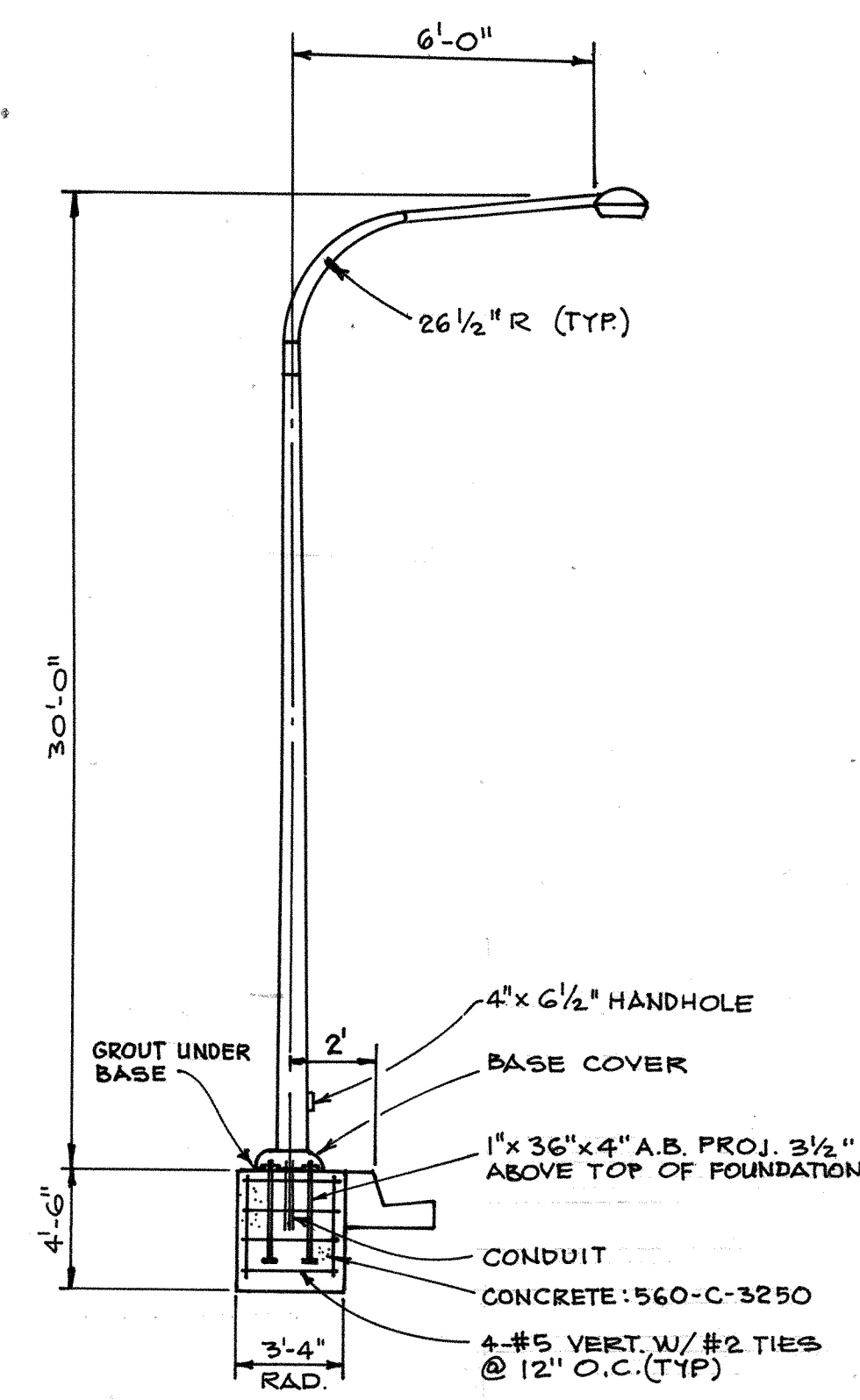
Bicycle Push Button Wiring

The Contractor shall use spare conductors, where available, to install the bicycle push buttons and special external bicycle timing logic, however, there shall remain at least one spare conductor in each run that was altered by the contract. Care should be taken when completing the as-built plans to accurately detail the conduit runs and number of spare wires utilized.

STREET LIGHT GENERAL NOTES

- ALL STATIONING IS BASED ON CENTER LINE OF ROAD.
- CONDUIT LOCATION TO BE PER STD 101-L.
- LUMINAIRES FOR TYPE I INSTALLATIONS SHALL HAVE ENCLOSED, REGULATOR TYPE BALLASTS WIRED FOR 120V OPERATION.
- CONDUIT SHALL BE 1-1/4" NOMINAL DIAMETER P.V.C. CONDUCTORS SHALL BE 2 NO. 8 AWG TYPE TW COPPER #8 AWG #1 B BARE COPPER.
- CONDUCTORS FROM PULLBOX AT BASE OF STANDARD TO THE LUMINAIRE SHALL BE NO. 8 AWG TYPE TW COPPER PER STD 204-L & STD 205-L.
- CONNECT A NO. 8 AWG COPPER WIRE FROM EACH LUMINAIRE TO A GROUND ROD IN THE PULLBOX AT THE BASE OF EACH STANDARD PER STD 205-L.
- SPLICING SHALL BE MADE IN PULLBOXES BY MEANS OF END-TO-END CRIMP TYPE CONNECTORS PER STD 204-L.
- PULLBOXES SHALL BE NO. 3-1/2 BROOKS PRODUCTS OR EQUAL, PER STD 205-L.
- INSTALL A PAIR OF IN-LINE FUSES IN THE BASE OF POLE PER STD 205-L.
- CONDUIT ENDS SHALL BE SEALED PER STD 204-L.
- ALL CONDUIT, WIRING, CRIMPS, FITTINGS, PULLBOXES, LUMINAIRES, POLES ETC. USED ON THIS PROJECT SHALL BE U.L. LISTED AND APPROVED FOR APPLICATION USED.
- ALL ELECTRICAL WORK SHALL COMPLY WITH THE LATEST AMENDED EDITION OF THE NATIONAL ELECTRICAL CODE, ALL STATE AND LOCAL CODES, AND CITY STANDARDS.
- SUCCESSFUL BIDDING ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS.
- LUMINAIRES FOR TYPE II AND TYPE IV INSTALLATIONS SHALL HAVE ENCLOSED, REGULATOR TYPE BALLASTS WIRED FOR 240V OPERATION.
- STREET LIGHT POWER TYPE SHALL BE PER STD 204-L.
- THAT SERVICE CABINET BE INSTALLED PER CITY STD 206-L.
- STREET LIGHT STANDARDS TO CONFORM TO DETAIL "A" HEREON AND BE MANUFACTURED BY AMERON POLE PRODUCTS DIV. MODEL JS-306. ALL FEATURES SHALL BE SAME AS EXISTING SIMILAR STANDARDS WITHIN NEWPORT CENTER.

2/76 DIETRICH-POST CLEARPRINT



- CONSTRUCTION NOTES**
- CONST. LIGHTING STANDARD PER DETAIL AND CHART SHOWN HEREON.
 - INSTALL CIRCUIT PER N.B. STD. 204-L.
 - INSTALL METER PED & ENCLOSURE PER STD 206-L EXCEPT USE STAINLESS STEEL CABINET MODEL NO. MEUGX-M100 C/SS
 - INSTALL PULLBOX PER N.B. STD. 205-L

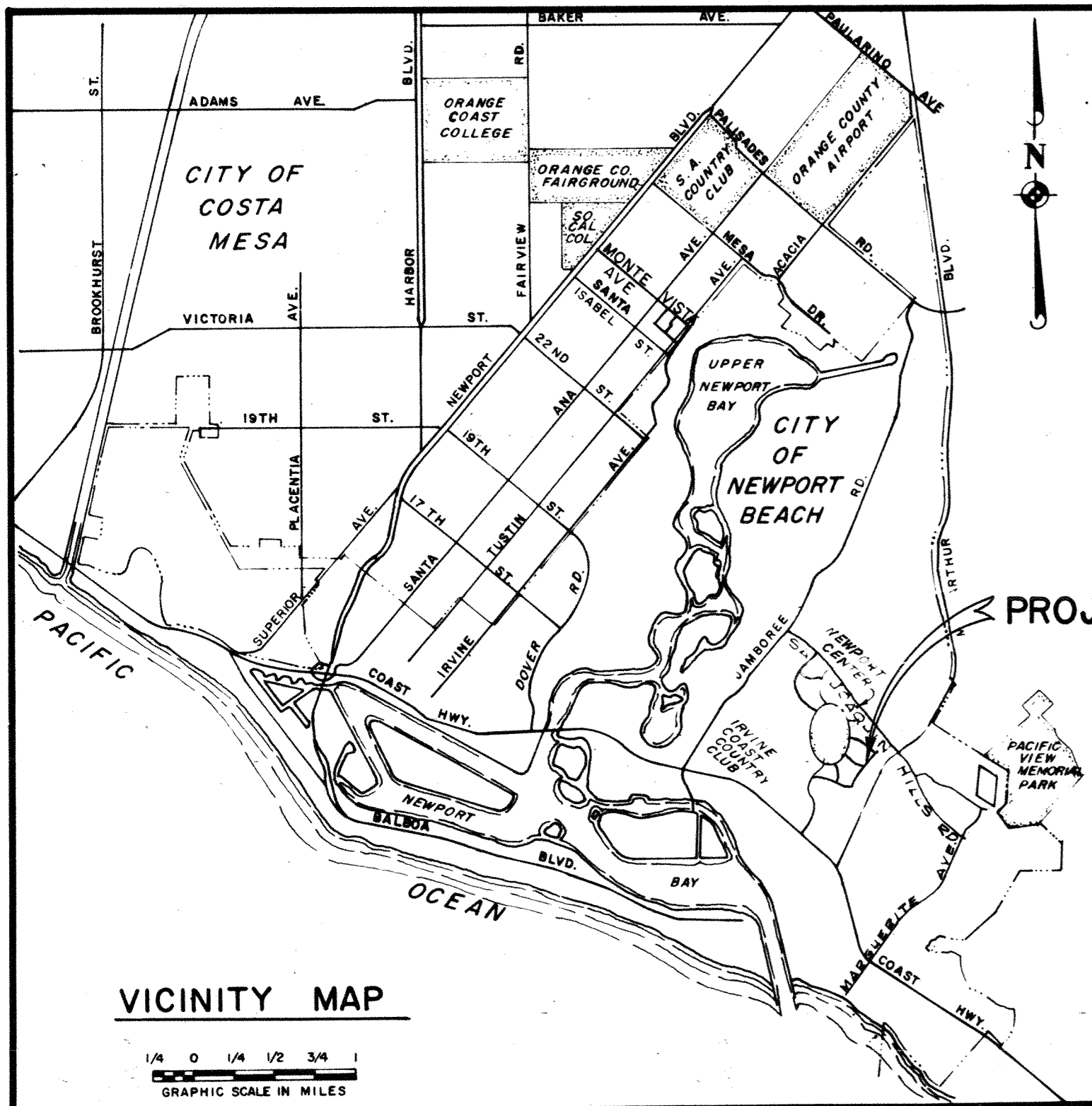
NOTES:

PAINING:--All traffic signal equipment, including controller cabinet and service, poles, mast arms, vehicle heads (except insides of visors and faces of backplates), pedestrian heads, push button assemblies and signal mounting assemblies, etc. shall be painted white.

The paint shall be Ameron Standard White (WH-1), commonly called Newport Beach White, or an approved equal. This paint coating consists of Ameronfield high gloss urethane (high build-high gloss) 3 mil min. over Amercoat 385 epoxy, one coat, 3 mil min. over Dimecoat 12, 2-3 mil, max. of 4 mil over near white blast finish. The Dimecoat 12 must also be applied to the lower 18" of the inside of the pole over a near white blast finish.

CITY OF NEWPORT BEACH THIS PLAN IS SIGNED BY THE CITY OF NEWPORT BEACH FOR CONCEPT AND ADHERENCE TO CITY STANDARDS AND REQUIREMENTS ONLY. THE CITY IS NOT RESPONSIBLE FOR DESIGN ASSUMPTIONS AND ACCURACY. <i>D.W. Webb</i> 5/21/80 CITY ENGINEER DATE		WESTERN PACIFIC ENGINEERING <i>Warner P. Young</i> 7/5/80 WARNER P. YOUNG R.E. DATE EXP. 6-30-92 31445		DATE BY DESCRIPTION APPD. DESIGNED C.G. CHECKED W.Y.		STREET LIGHTING PLAN AVOCADO AVE. CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT		R-5649 SHEET 8 OF 8
--	--	--	--	--	--	---	--	-------------------------------

IRV02



CITY OF NEWPORT BEACH PUBLIC WORKS DEPARTMENT IMPROVEMENT PLANS FOR AVOCADO AVENUE FROM FARALLON DRIVE TO SAN JOAQUIN HILLS ROAD AS BUILT

SHEET INDEX	
SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2.	AVOCADO AVE., STREET PLAN & PROFILE, FARALLON DR. TO STA. 31+50
3.	AVOCADO AVE., STREET PLAN & PROFILE, STA. 31+50 TO SAN JOAQUIN HILLS RD.
4.	AVOCADO AVE., STORM DRAIN PLAN & PROFILE
5.	DETAILS
6.	STREET LIGHTING PLAN

GENERAL NOTES

1. THE CONSTRUCTION OF ALL PUBLIC IMPROVEMENTS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPROPRIATE STANDARD DRAWINGS OF THE CITY OF NEWPORT BEACH. (STANDARD DRAWINGS ARE THOSE DATED 3-1-73 OR LATER)
2. STATIONING REFERS TO THE CENTERLINES OF STREETS EXCEPT WHERE OTHERWISE NOTED.
3. CURB DATA REFERS TO FACE OF CURB.
4. ALL CONCRETE CURBS, GUTTERS, SIDEWALKS, CROSS GUTTERS AND DRIVEWAYS SHALL BE CONSTRUCTED OF CLASS 564 - C-3000 R.C.C.
5. ALL EXPOSED CONCRETE SURFACES SHALL CONFORM IN GRADE, COLOR, AND FINISH TO ALL ADJOINING CURBS AND SIDEWALKS.
6. PAVEMENT SECTIONS SHOWN ARE MINIMUM AND SUBJECT TO REVISION AND APPROVAL OF THE CITY AS REQUIRED BY SOILS TESTS TAKEN AFTER COMPLETION OF THE ROUGH GRADING.
7. ALL UNDERGROUND WORK SHALL BE COMPLETED PRIOR TO PAVING OF STREETS.
8. EXISTING UNDERGROUND UTILITIES ARE SHOWN AS PER AVAILABLE RECORDS; THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION AND ELEVATION IN THE FIELD.
9. ALL REINFORCED CONCRETE DRAINAGE STRUCTURES SHALL BE CONSTRUCTED OF 564 - B-3000 R.C.C.
10. STORM DRAIN PIPE SHALL BE CAST OR SPUN REINFORCED CONC. PIPE. "D" LOADS SHOWN ON R.C.P. STORM DRAIN PROFILES APPLY ONLY TO TRENCH CONDITION BEDDING. (SEE NOTE 11 & 21)
* EXTRA STRENGTH V.C.P. IN LIEU OF R.C.P. OR A.C.P. (B-27-74 ME)
11. STORM DRAIN PIPE SHALL BE BEDDED IN ACCORDANCE WITH DETAIL ON SHEET 5.
12. ALL EXPOSED FERROUS METAL PARTS TO BE GALVANIZED PER ASTM A 123 AFTER FABRICATION.
13. ALL WATER MAINS AND LATERALS SHALL BE ASBESTOS CEMENT PIPE, CLASS 200 MINIMUM, UNLESS OTHERWISE NOTED.
14. WATER PIPE LAID ON CURVES WITH RADII BETWEEN 80' AND 185' SHALL USE 6.5' PIPE LENGTHS. CONSTRUCT THRUST BLOCKS PER CITY STD.-510 -L. PIPE SHALL NOT BE DEFLECTED MORE THAN 3° PER JOINT. WHEN NECESSARY, SHORT SECTIONS OF PIPE SHALL BE USED TO ACCOMPLISH THE DESIRED DEFLECTION. THRUST BLOCKS SHALL BE PROVIDED AT ALL BENDS GREATER THAN 5°.
15. FIRE HYDRANTS SHALL BE RICH-VANGUARD NO. 665-A.
16. ALL SEWER LINES SHALL HAVE PLASTIC COMPRESSION JOINTS.
17. V.C.P. STUBS AND THE FIRST JOINT OUT OF ALL MANHOLES TO BE ONE FOOT MAXIMUM MEASURED FROM THE INSIDE FACE OF THE MANHOLE.
18. SEWER AND WATER PIPE SHALL BE BEDDED IN ACCORDANCE WITH DETAIL ON SHEET 5.
19. UTILITY AND STORM DRAIN LINE DISTANCES SHOWN IN PROFILE ARE HORIZONTAL DISTANCES.
20. ASBESTOS CEMENT STORM DRAIN PIPE MAY BE USED IN LIEU OF REINFORCED CONC. PIPE. D-LOAD STRENGTH OF ASBESTOS CEMENT PIPE SHALL BE NOT LESS THAN 1.5 TIMES THE INDICATED D-LOAD STRENGTH OF R.C.P. WHICH IT IS REPLACING.
21. ALL GATE VALVE & BOXES INDICATED TO BE SALVAGED, SHALL BE DELIVERED TO THE UTILITIES DIVISION LOCATED AT THE CITY OF NEWPORT BEACH MAINTENANCE YARD, 590 SUPERIOR AVENUE, NEWPORT BEACH.

BENCH MARK

3-K-58 O.C.B.M. TAG "R.C.E. 7872" AT CTR. OF ENT. TO IRVINE COUNTRY CLUB IN CTR. OF CURB RET. OF ISLAND 60 FT. S.W. OF CENTERLINE OF PACIFIC COAST HWY. 1964 PRECISE ELEV. = 92.88 M.S.L. OF 1929 CITY OF NEWPORT BEACH DATUM.

BASIS OF BEARING

THE BEARINGS SHOWN HEREON ARE BASED ON THE CENTERLINE OF FARALLON DRIVE SHOWN AS N 87° 30' 00" W ON PARCEL MAP 27-17, RECORDS OF ORANGE COUNTY.

APPROVALS

CITY OF NEWPORT BEACH

APPROVED J. T. Deulin DATE 9-13-73
PUBLIC WORKS DIRECTOR
R.C.E. 9537

SHURMAN - SIMPSON
CONSULTING CIVIL ENGINEERS
PREPARED UNDER THE SUPERVISION OF

Donald C. Simpson DATE 9-11-73
DONALD C. SIMPSON R.C.E. 10595

AS BUILT

SHEET 1 OF 6 SHEETS

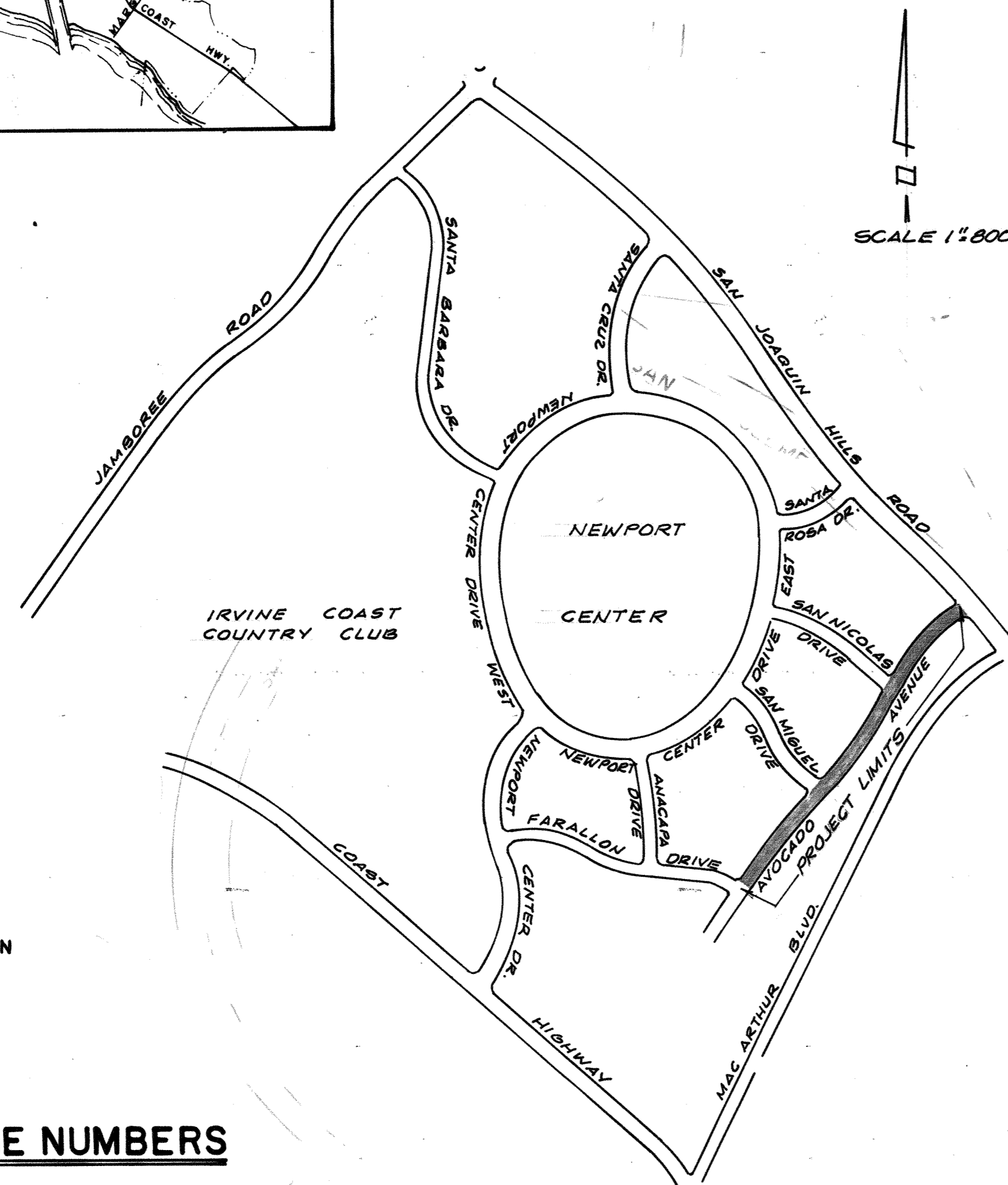
SYMBOL LEGEND

	POWER POLE
	MANHOLE
	FIRE HYDRANT
	METER BOX
	VALVE
	POWER POLE ANCHOR
	FENCE
	BLOCK WALL
	TREE
	SHRUBBERY
	ASPHALT PAVEMENT
	CONCRETE
	BUILDING
	CENTER LINE
	SEWER LINE
	WATER LINE
	GAS LINE
	EXISTING CONSTRUCTION
	NEW CONSTRUCTION
	BRICK WALK
	COMMUNITY T.V.

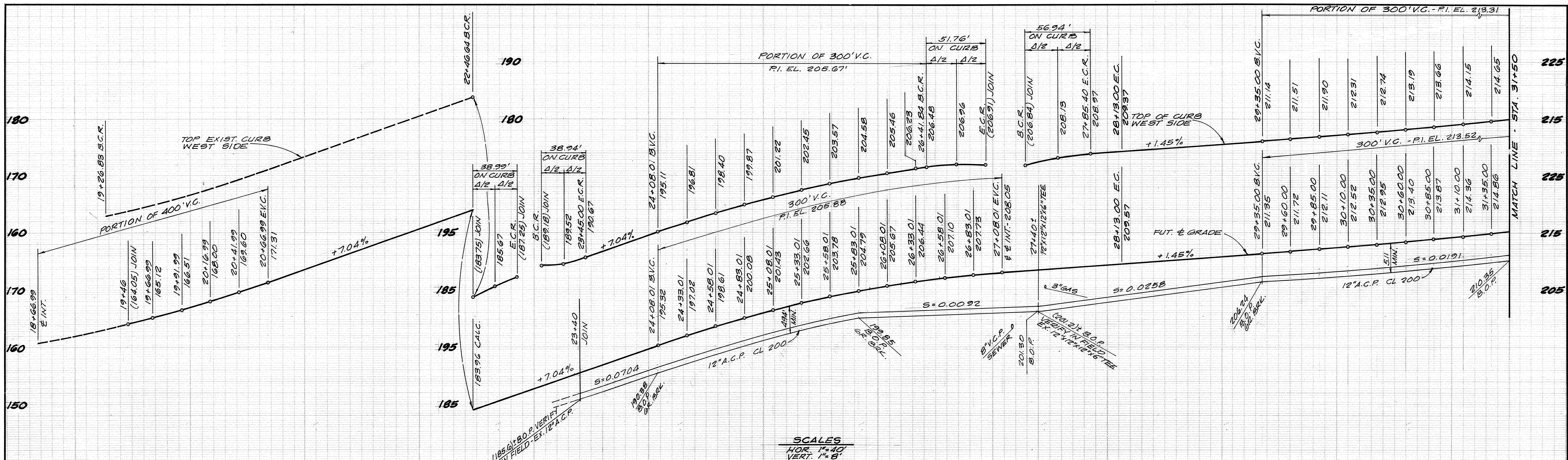
EMERGENCY TELEPHONE NUMBERS

AGENCY	NUMBER
SOUTHERN COUNTIES GAS COMPANY	538-0211
SOUTHERN CALIF. EDISON COMPANY	835-3833
PACIFIC TELEPHONE COMPANY	673-0046
CITY OF NEWPORT BEACH (SEWER & WATER)	673-2110, Ext. 267-69
COUNTY SANITATION DISTRICTS	962-2411, Ext. 38
COMMUNITY CABLEVISION	545-3556

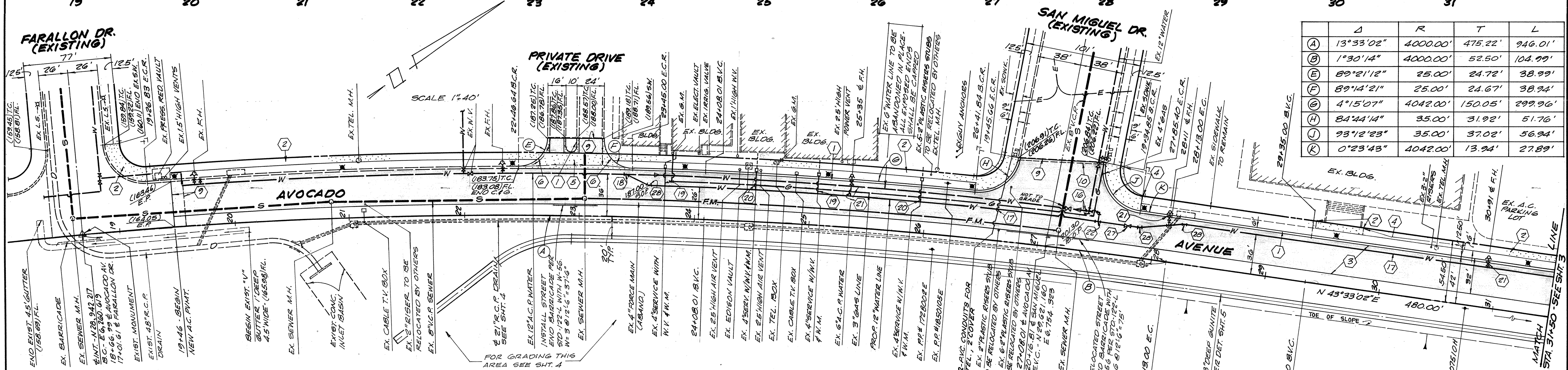
KEY MAP



R-5240-S
SHT. 1 OF 6



SCALES
HOR. 1"=40'
VERT. 1"=6'



	Δ	R	T	L
(A)	13°33'02"	4000.00'	475.22'	946.01'
(B)	1°30'14"	4000.00'	52.50'	104.99'
(E)	89°21'12"	25.00'	24.72'	38.99'
(F)	89°14'21"	25.00'	24.67'	38.94'
(G)	4°15'07"	4042.00'	150.05'	299.96'
(H)	84°44'14"	35.00'	31.92'	51.76'
(I)	93°12'23"	35.00'	37.02'	56.94'
(K)	0°23'43"	4042.00'	13.94'	27.89'

CONSTRUCTION NOTES

- 1 CONST. TYPE "A" P.C.C. CURB & GUTTER, STD.-105-L, 8" C.F.
- 2 CONST. P.C.C. SIDEWALK, STD.-110-L
- 3 CONST. 4" ASPHALTIC CONCRETE PAVING & SS-1H SEAL COAT ON 8" AGGREGATE BASE & 50 250
- 4 REMOVE CONC. SIDEWALK & REPLACE WITH NEW MATCHING CONC. SIDEWALK, STD.-110-L
- 5 CONST. P.C.C. APRON 8" THICK ON 4" BASE, MODIFIED STD.-112-L
- 6 CONST. P.C.C. CURB TRANSITION 8" CR TO 6" C.F.
- 7 FORM NEAT JOIN LINE BY SAW CUTTING & REMOVING EXISTING RAGGED OR NOT CONFORMING A.C. PAVING
- 8 REMOVE EXISTING STREET END BARRICADE & REFLECTORS, SALVAGE, RELOCATE & REINSTALL.
- 9 DISCONNECT EXIST. 12" A.C.R., PLUG LINE & INSTALL THRUST BLOCK, STD.-510-L
- 10 DISCONNECT EXIST. 12" A.C.R., CLASS 200, WATER LINE
- 11 DISCONNECT 12" WATER LINE. CONNECT TO NEW 12" A.C.P. WITH 22 1/2" BEND. INSTALL THRUST BLOCK, STD.-510-L
- 12 DISCONNECT & REMOVE EXIST. WATER SERVICE AT CURB STOP CONST. NEW 2" WATER SERVICE, STD.-503-L. SALVAGE GATE VALVE & BOX.
- 13 DISCONNECT & REMOVE EXIST. WATER SERVICE AT CURB STOP CONST. NEW 1 1/2" WATER SERVICE, STD.-503-L. SALVAGE GATE VALVE & BOX
- 14 CONST. FIRE HYDRANT ASSEMBLY, STD.-501-L
- 15 INSTALL 12" 1/2" 1/2" TEE WITH THRUST BLOCK, STD.-510-L
- 16 INSTALL 12" GATE VALVE & BOX, STD.-507-L
- 17 INSTALL 22 1/2" BEND W/THRUST BLOCK, STD.-510-L

AS BUILT

SHURMAN & SIMPSON
NEWPORT CENTER BUILDING
359 San Miguel Drive
Newport Beach, California 92660
(714) 644-0583

DATE	BY	DESCRIPTION	APPD.
11/14/73	ME	"AS-BUILT"	

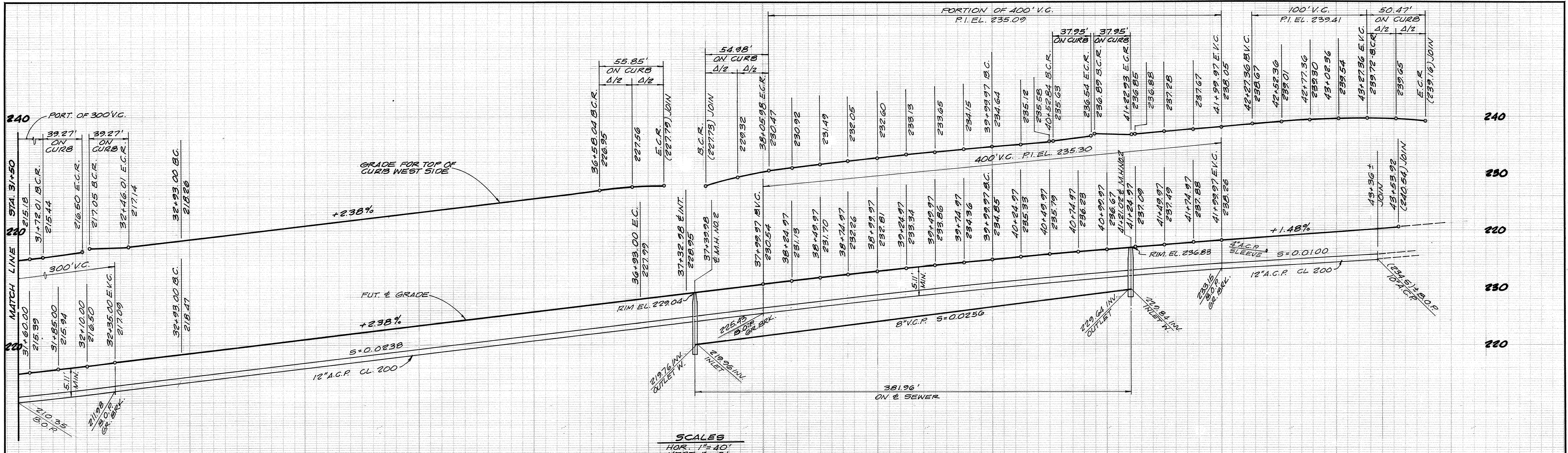
APPROVED
PUBLIC WORKS DIRECTOR
R.E. NO. 9-537
DATE 11/14/73

DESIGNED
F.S. F.L.H.
CHECKED
D.C.S.DATE 7-10-73

AVOCADO AVENUE
STREET PLAN & PROFILE
FARALLON DRIVE TO STA. 31+50

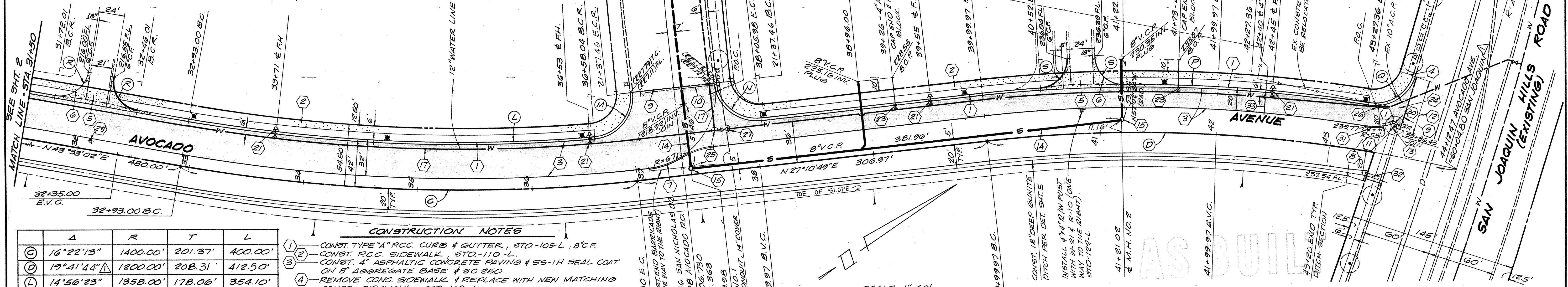
CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT

SHEET 2 OF 6



- (13) REMOVE CONC. SIDEWALK TO NEAREST JOINT AND REPLACE WITH 2 1/2" A.C.
- (14) CONST. 8" V.C.P. SEWER.
- (15) CONST. SEWER M.H., STD-402-L
- (17) CONST. 12" A.C.P., CLASS 200, WATER LINE.
- (18) CONST. FIRE HYDRANT ASSEMBLY, STD-501-L.
- (21) INSTALL 4" GATE VALVE & BOX, STD-508-L.
- (22) LOWER SPRINKLER LINE TO HAVE 12" MIN. COVER. INSTALL R.V.C. SCHED. 40 SLEEVE & REMOVE SPRINKLER HEADS AS NECESSARY.

- (25) INSTALL 12" x 12" x 12" TEE WITH THRUST BLOCK, STD-510-L.
- (26) INSTALL 12" x 10" REDUCER & CONNECT TO EXIST. LINE
- (27) INSTALL 12" GATE VALVE & BOX, STD-508-L
- (28) INSTALL 4" x 4" 1/2" IN POST WITH W-21 & W-56, STD-122-L
- (29) INSTALL ONE METAL REFLECTOR UNIT; STD-123-L
- (30) INSTALL 3 CLEARANCE MARKERS, STD-123-L
- (31) CONST. SIDEWALK CULVERT PER DET. ON SHT. 5
- (32) INSTALL 4" A.C.P. SLEEVE CLASS 100, 30" DEEP, EXTEND 1 FT. PAST EDGE OF PAVEMENT



	Δ	R	T	L
(C)	16°22'13"	1400.00'	201.37'	400.00'
(D)	19°41'44"	1200.00'	208.31'	412.50'
(L)	14°56'23"	1358.00'	178.06'	354.10'
(M)	21°25'50"	35.00'	35.89'	55.85'
(N)	20°00'00"	35.00'	35.00'	54.98'
(P)	15°37'54"	1242.00'	170.48'	338.85'
(Q)	82°37'20"	35.00'	30.76'	50.47'
(R)	20°00'00"	25.00'	25.00'	39.27'
(S)	86°59'12"	25.00'	23.72'	37.95'

- CONSTRUCTION NOTES**
- (1) CONST. TYPE "A" R.C.C. CURB & GUTTER, STD-105-L, 8" C.F.
 - (2) CONST. R.C.C. SIDEWALK, STD-110-L
 - (3) CONST. 4" ASPHALTIC CONCRETE PAVING & SS-1H SEAL COAT ON 5" AGGREGATE BASE & 8C 350
 - (4) REMOVE CONC. SIDEWALK & REPLACE WITH NEW MATCHING CONC. SIDEWALK, STD-110-L
 - (5) CONST. R.C.C. APRON 8" THICK ON 4" BASE, MODIFIED STD-112-L
 - (6) CONST. R.C.C. CURB TRANSITION B.C.F. TO 6" C.F.
 - (7) CONST. TYPE "E" ASPHALTIC CONC. CURB, STD-106-L
 - (8) CONST. A.C. CURB TRANSITION B.C.F. TO 8" C.F.
 - (9) FORM NEAT JOINT LINE BY SAW CUTTING & REMOVING EXIST. RAGGED OR NOT CONFORMING A.C. PAVING.
 - (10) REMOVE EXIST. STREET END BARRICADE & REFLECTORS, SALVAGE RELOCATE & REINSTALL
 - (11) REMOVE EXISTING TREE
 - (12) SAW CUT & REMOVE EXIST. CURB, GUTTER, SIDEWALK (TO NEAREST JOINT BEYOND) & 1 FT. STRIP OF EXIST. A.C. PAVEMENT

SCALES
HOR. 1" = 40'
VERT. 1" = 8'

SCALE 1" = 40'

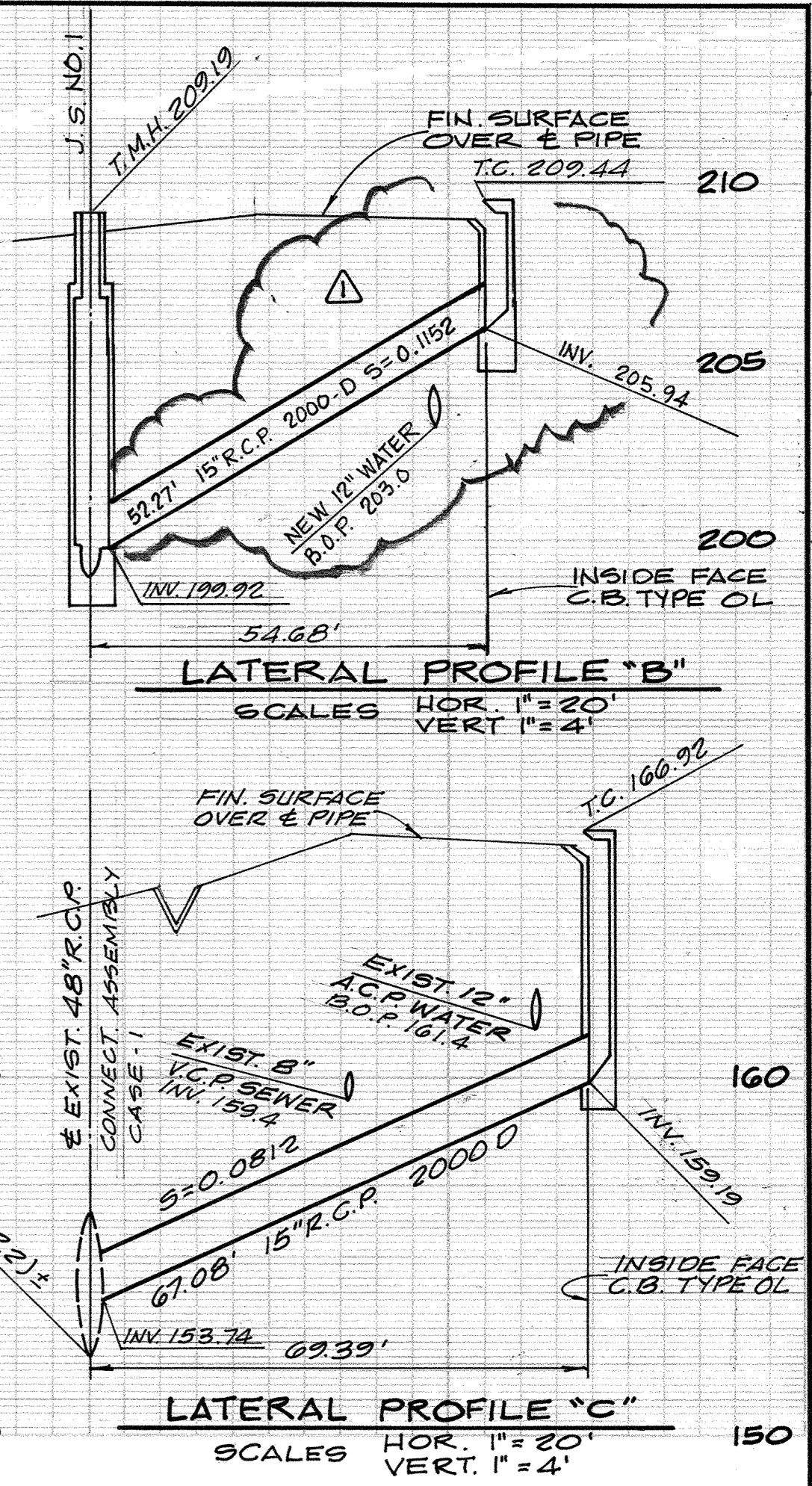
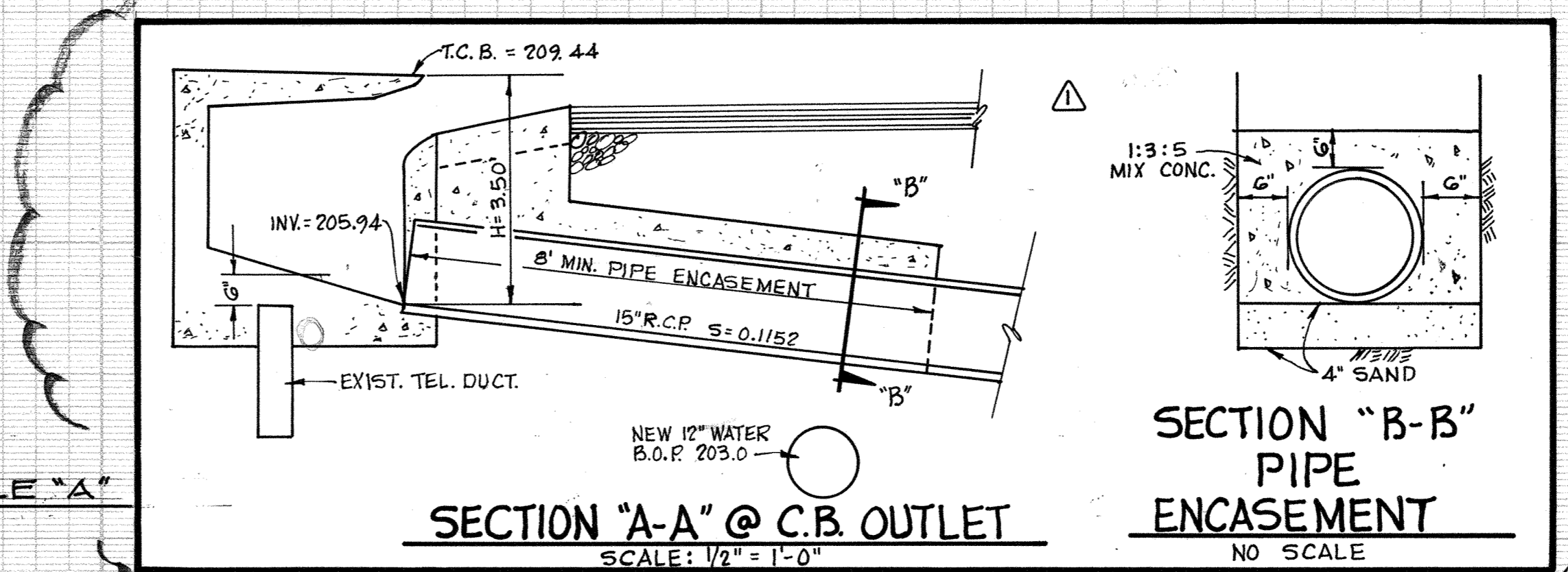
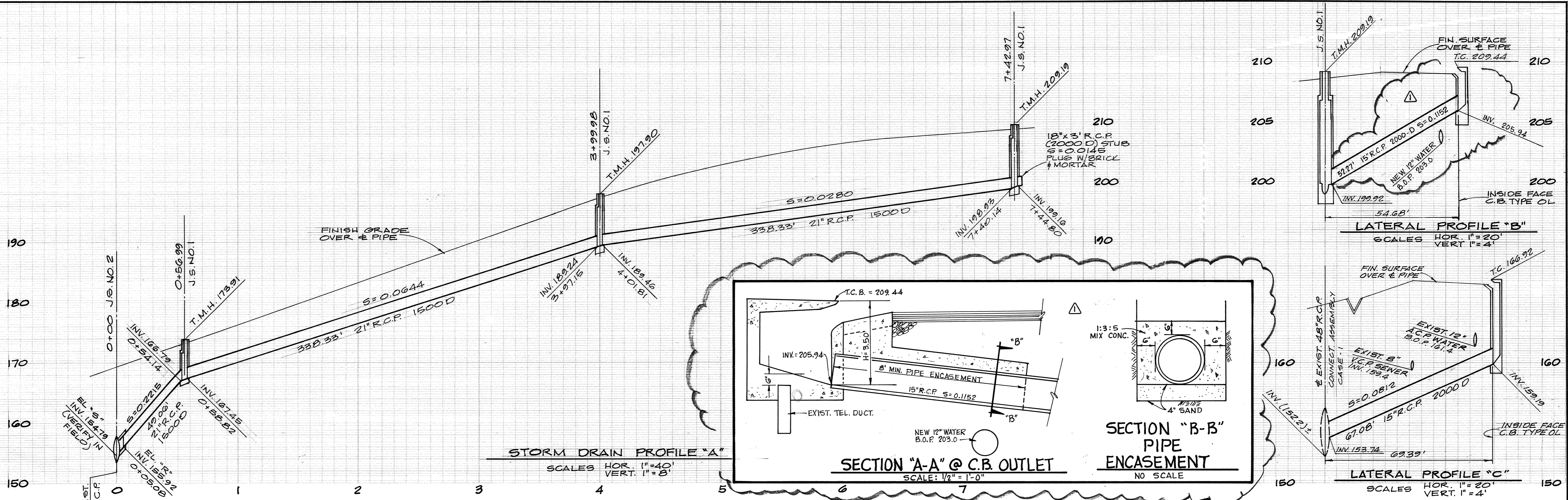
SHURMAN • SIMPSON
CONSULTING CIVIL ENGINEERS
NEWPORT CENTER BUILDING
3569 San Miguel Drive
Newport Beach, California 92660
(714) 844-0563

DATE	BY	DESCRIPTION	APPD.
8-27-74	ME	"AS-BUILT"	
12-19-75	JL	CORRECT INTERSECTION AT SAN JOAQUIN HILLS ROAD	

APPROVED
[Signature]
PUBLIC WORKS DIRECTOR
R.E. NO. 91537
DATE 9-14-73
DESIGNED F.S. # J.H.
CHECKED D.C.S.
DATE 9-10-73

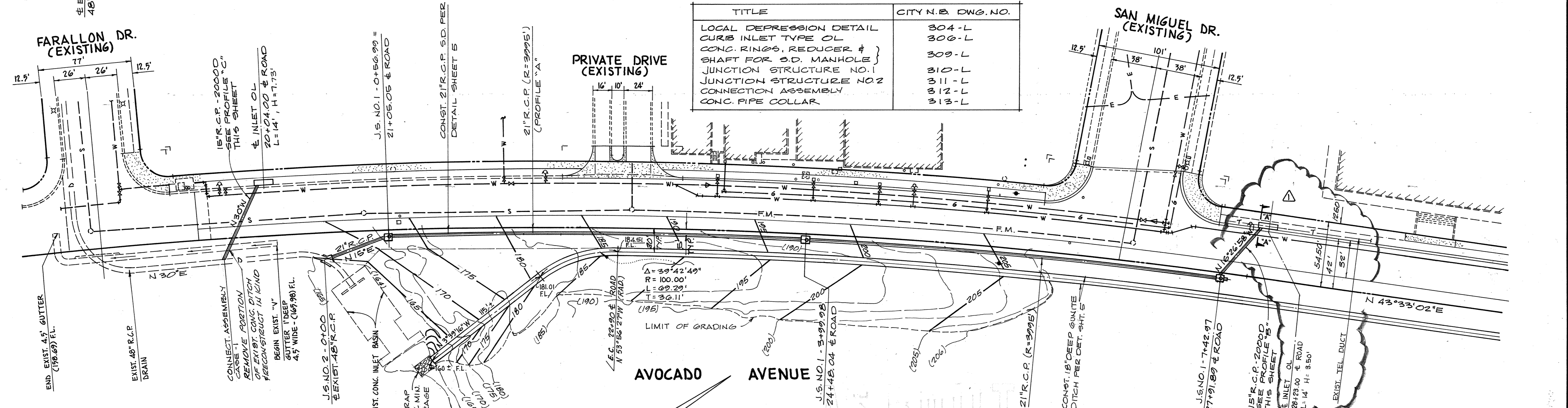
AVOCADO AVENUE
STREET PLAN & PROFILE
STA. 31+50 TO SAN JOAQUIN HILLS RD.

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT
SHEET 3 OF 6



STANDARD REFERENCE DRAWINGS

TITLE	CITY N.B. DWG. NO.
LOCAL DEPRESSION DETAIL	304-L
CURB INLET TYPE OL	306-L
CONC. RINGS, REDUCER & SHAFT FOR S.D. MANHOLE	309-L
JUNCTION STRUCTURE NO. 1	310-L
JUNCTION STRUCTURE NO. 2	311-L
CONNECTION ASSEMBLY	312-L
CONC. PIPE COLLAR	313-L



0+00 J.S. NO. 2

A = 45°	T = 1'-11"
B = 21"	L = 1'-11 1/2"
C = 5'-6"	EL. "A" = 155.92
D = 4'-8"	EL. "B" = 154.79
E = 3'-10 1/2"	

SHURMAN - SIMPSON
NEWPORT CENTER BUILDING
 358 San Miguel Drive
 Newport Beach, California 92660
 (714) 544-0563

DATE	BY	DESCRIPTION	APPD.
12-10-73	G.T.	CATCH BASIN REVISION	384 (12-10-73)

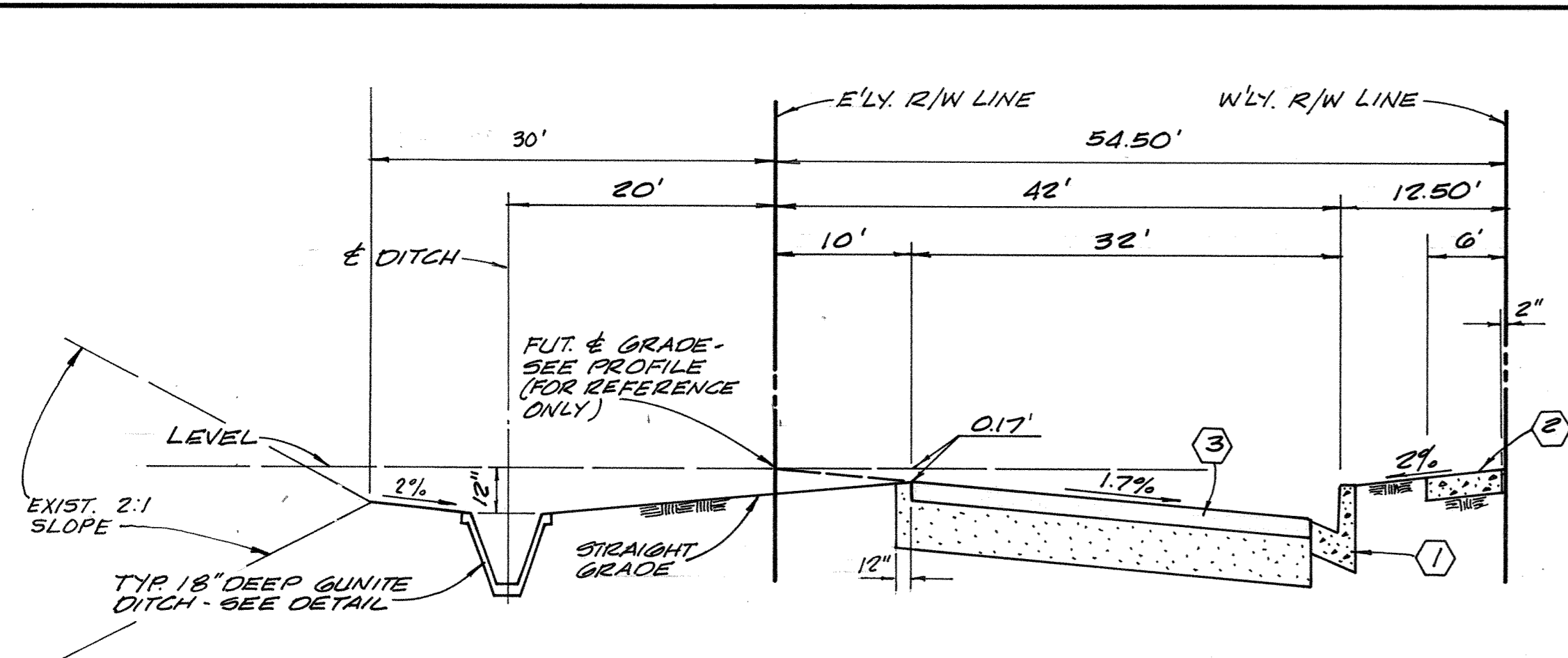
APPROVED
 PUBLIC WORKS DIRECTOR
 R.E. NO. 1531
 DATE 9/14/73

AVOCADO AVENUE
STORM DRAIN
PLAN & PROFILE

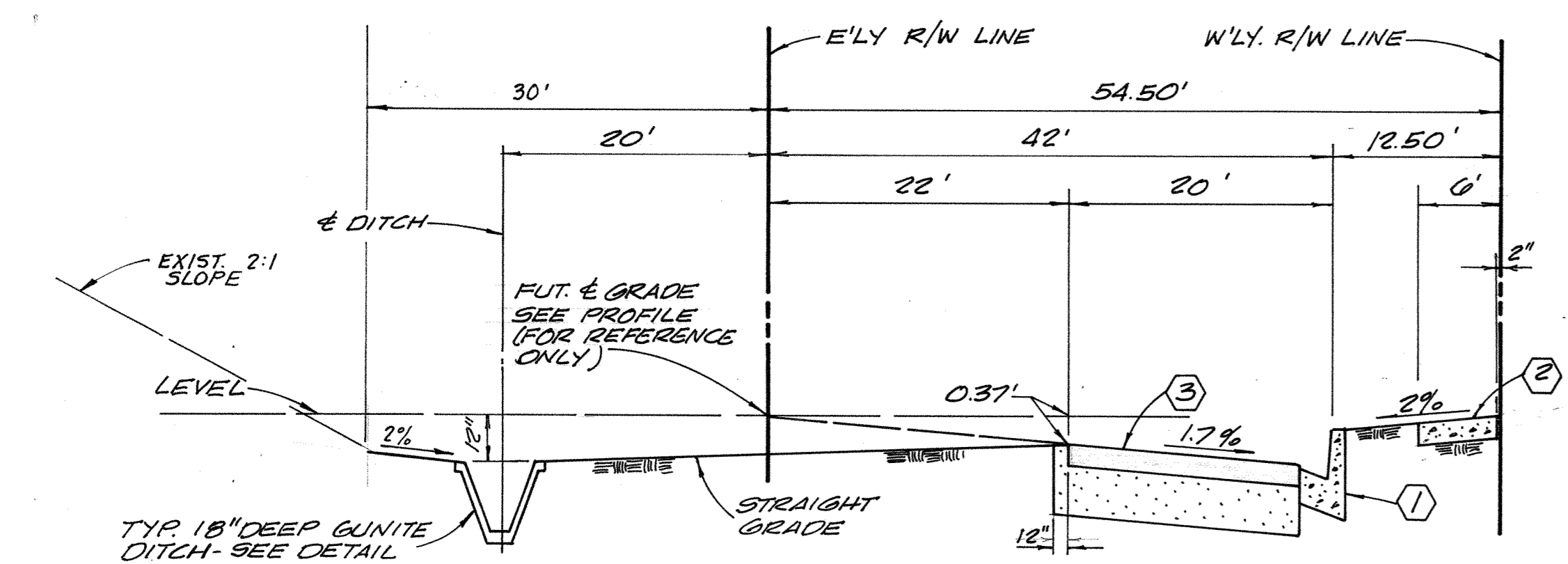
CITY OF NEWPORT BEACH
 PUBLIC WORKS DEPARTMENT

SHEET 4 OF 6

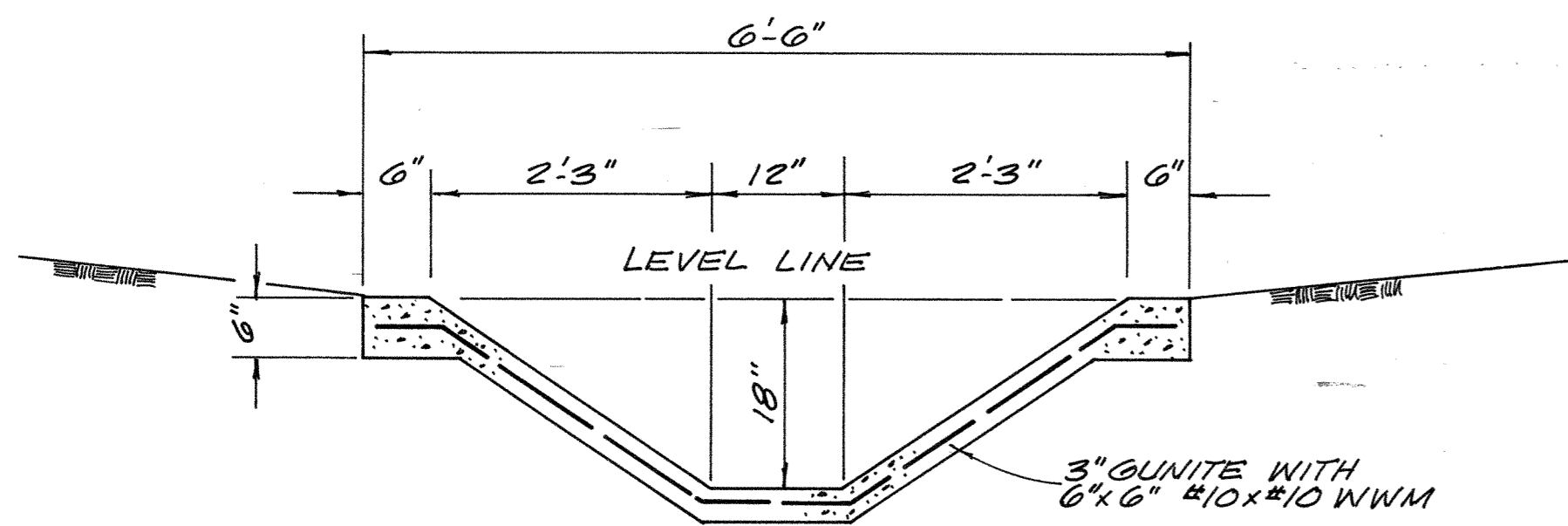
R-5240-S
 SHT. 4 OF 6



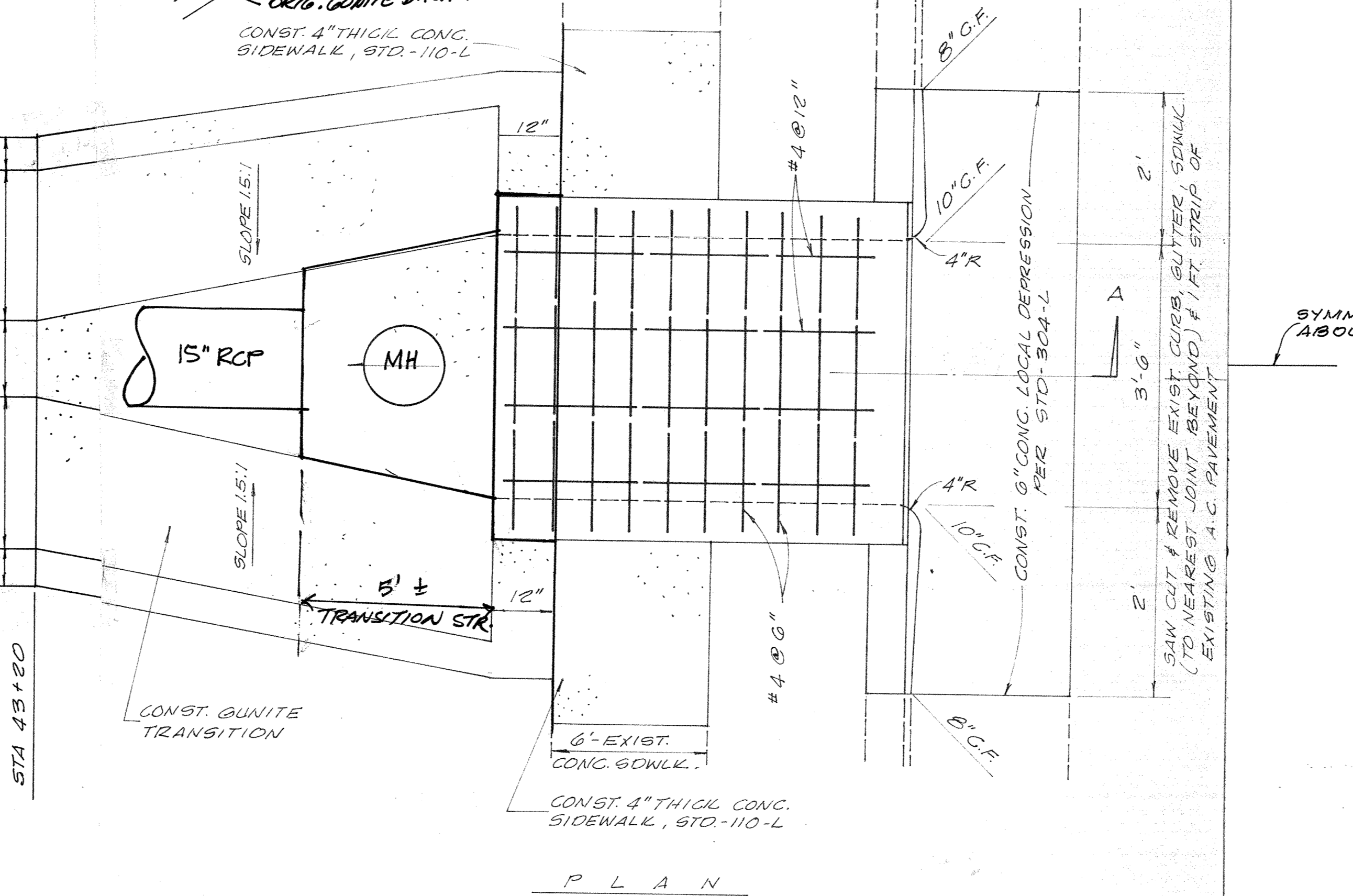
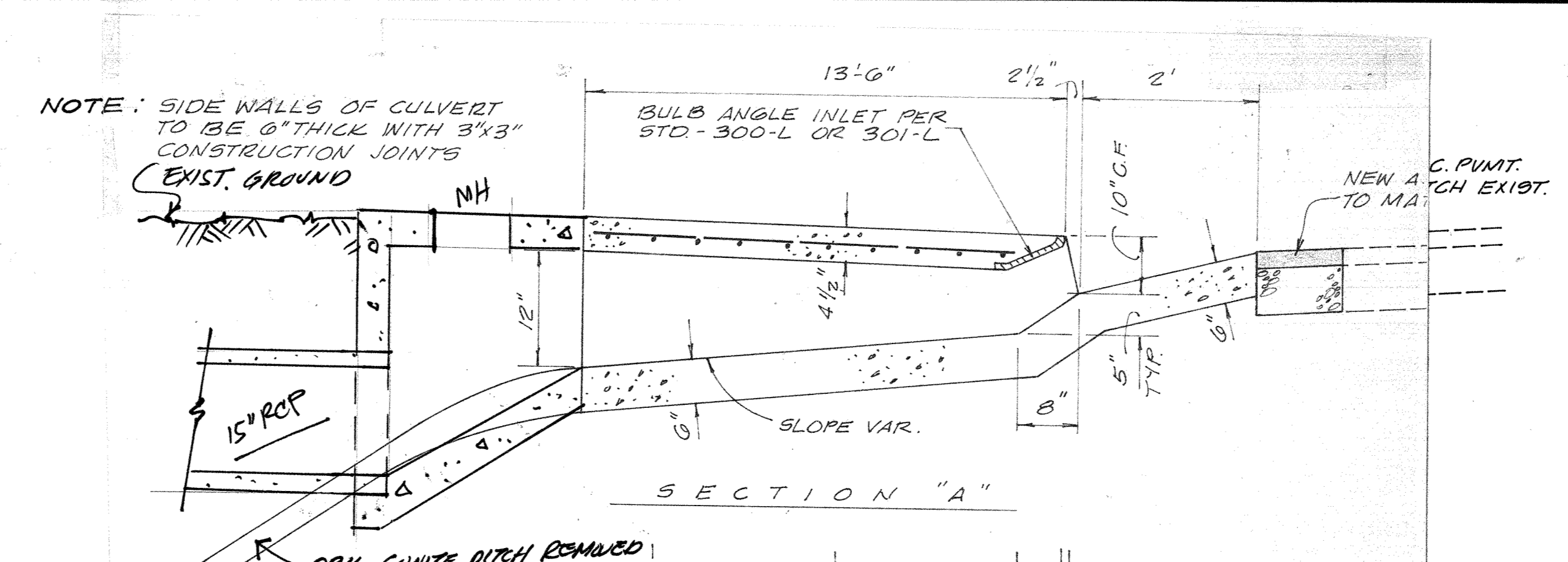
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STA. 22+90 TO STA. 36+58
 NO SCALE



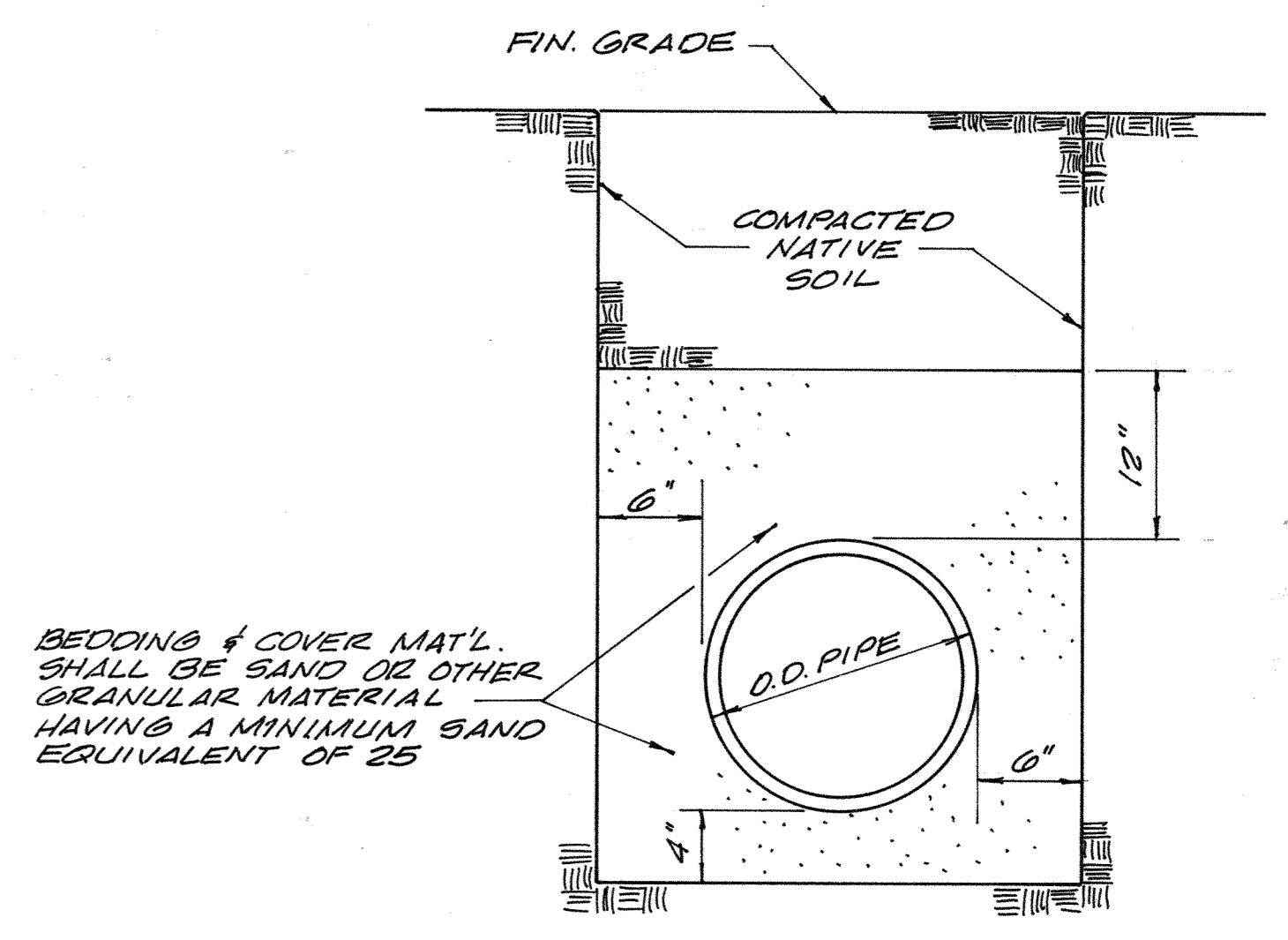
TYP. SECTION AVOCADO AVE.
STA. 38+06 TO STA. 43+27
 NO SCALE



18" DEEP GUNITITE DITCH
 NO SCALE



SIDEWALK CULVERT
 NO SCALE
 SAN JOAQUIN HILLS & AVOCADO
 (PRESUMED CULVERT MODIFICATION TO 15" RCP CANN.)
 PER FIELD INSPECTION - 9-9-94 *RA*



STORM DRAIN PIPE BEDDING
 NO SCALE

AS BUILT

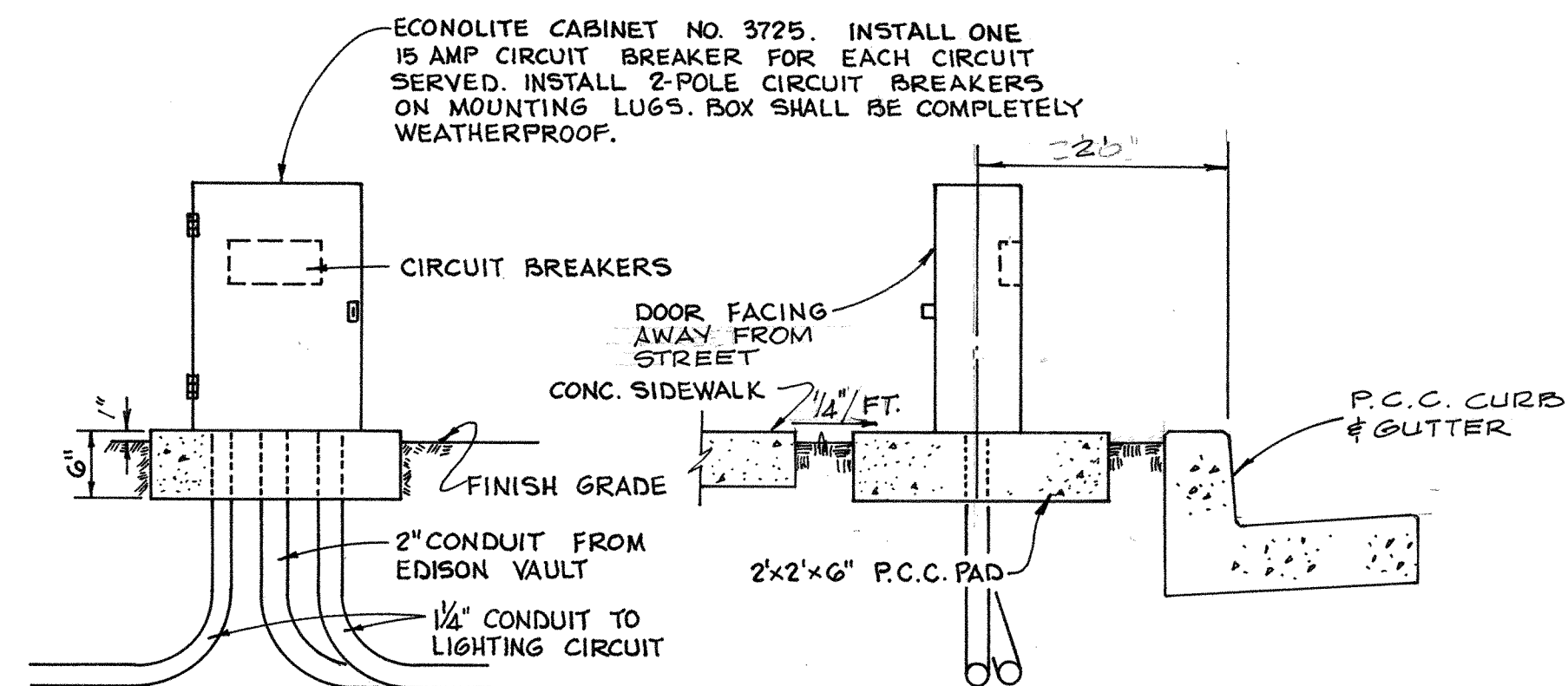
SHURMAN + SIMPSON
 NEWPORT CENTER BUILDING
 3950 San Miguel Drive
 Newport Beach, California 92660
 (714) 644-0583
Donald Champion

DATE	BY	DESCRIPTION	APP'D.
		REVISIONS	

APPROVED
J. T. Deane
 PUBLIC WORKS DIRECTOR
 R.E. NO. 1537
 DATE 9/14/73
 DESIGNED J.H.
 CHECKED D.C.E.
 DATE 9-10-73

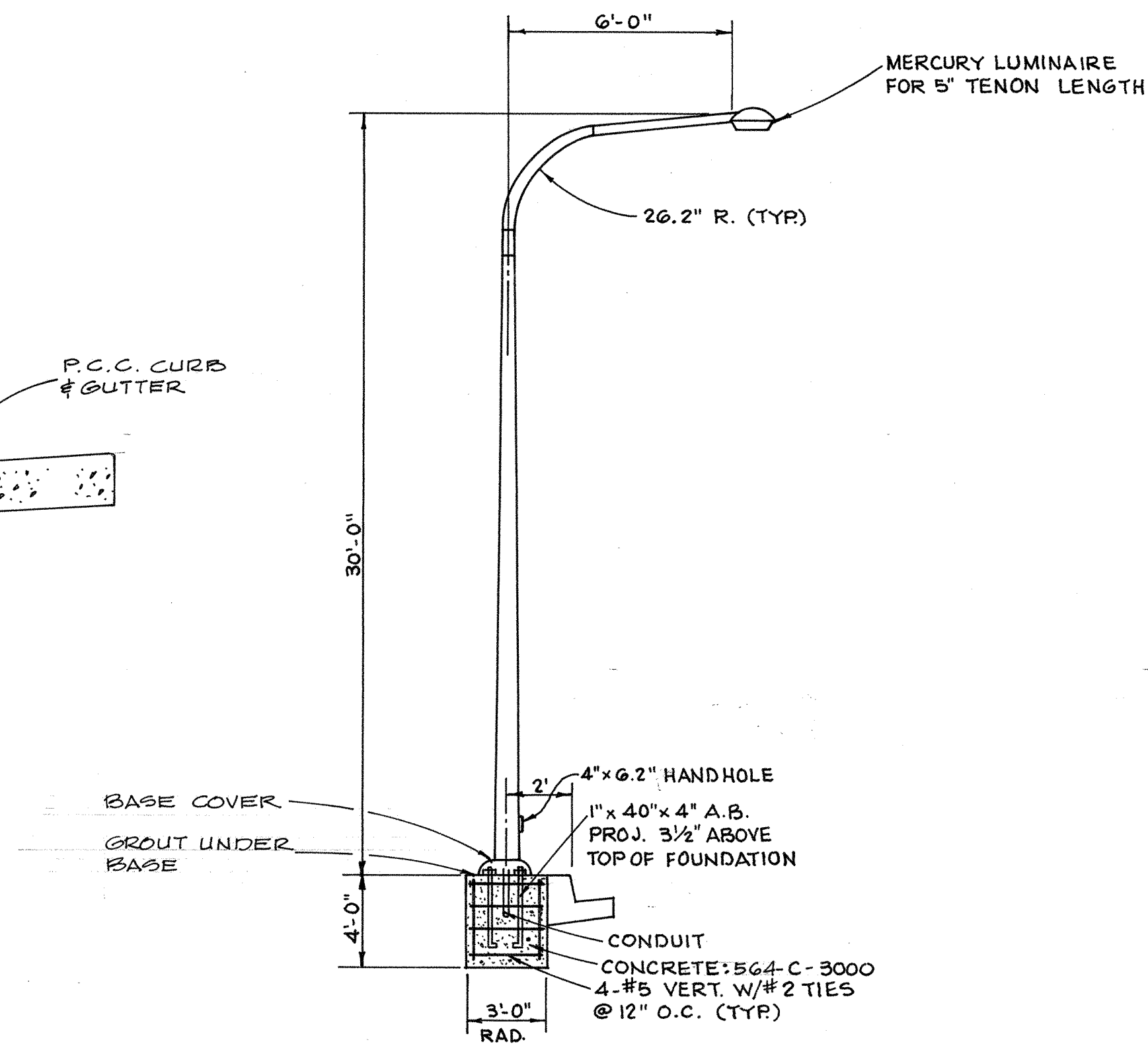
CITY OF NEWPORT BEACH
 PUBLIC WORKS DEPARTMENT
 SHEET 5 OF 6

R-5240-S
 SHEET 5 OF 6



ECONOLITE CABINET MOUNTING DETAIL

NO SCALE



DETAIL "A"

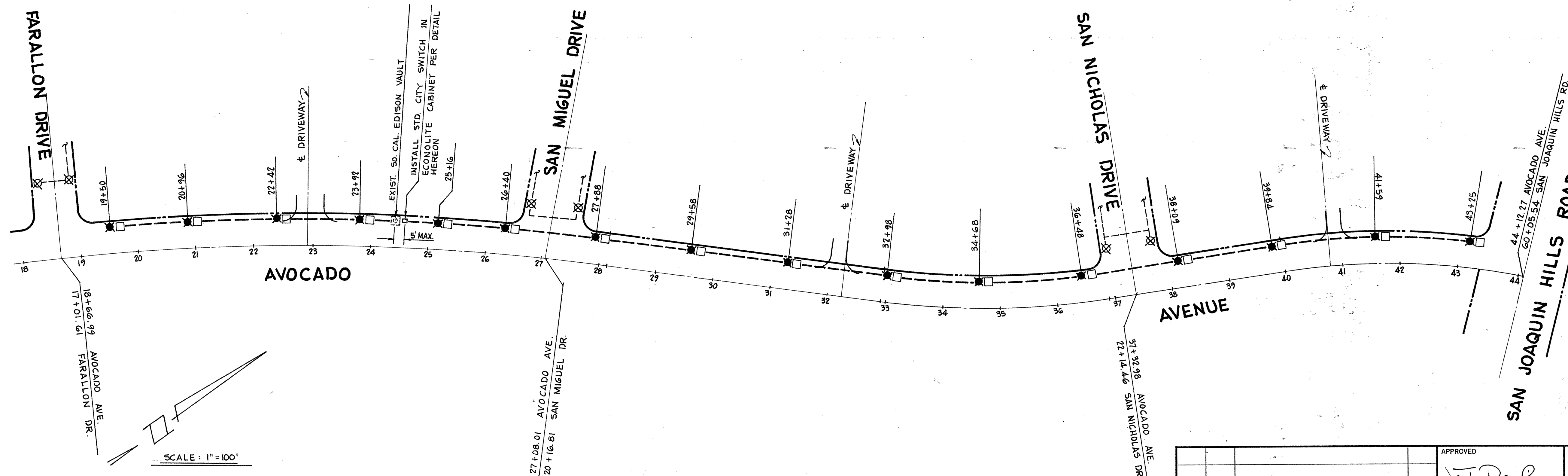
NO SCALE

GENERAL NOTES

- STREET LIGHT STANDARDS TO CONFORM TO DETAIL "A" HEREON AND BE MANUFACTURED BY WELDRITE MANUFACTURING CO. ALL FEATURES SHALL BE THE SAME AS EXISTING SIMILAR STANDARDS WITHIN NEWPORT CENTER.
- THE STEEL STANDARDS SHALL BE PAINTED IN STRICT CONFORMANCE WITH THE SPECIAL PROVISIONS.
- POLE AND BASE SHOP DRAWINGS SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
- LUMINAIRES SHALL BE GENERAL ELECTRIC M-400, AMERICAN OR EQUAL, WITH 250 WATT COLOR CORRECTED LAMPS, 240 VOLT DUAL WATTAGE INTEGRAL BALLAST, PHOTOELECTRIC SWITCH AND TYPE III DISTRIBUTION.
- INSTALL PULL BOXES, CONDUIT, CONDUCTORS AND GROUND ROD PER STD-204-L, MULTIPLE (PARALLEL) CIRCUIT.
- CONDUCTORS FROM PULL BOX AT BASE OF STANDARD TO THE LUMINAIRE SHALL BE NO. 12 AWG. TYPE TW COPPER.
- CONDUIT SHALL BE 1 1/4" NOMINAL DIAMETER P.V.C. CONDUCTORS SHALL BE COPPER TYPE TW OF AWG. SIZE INDICATED. GROUND SHALL BE BARE COPPER OF SIZE INDICATED.
- SPLICES SHALL BE MADE IN PULL BOXES BY MEANS OF END-TO-END CRIMP TYPE CONNECTORS.
- INSTALL A PAIR OF IN-LINE FUSES IN THE PULL BOX ON EACH BRANCH CIRCUIT IMMEDIATELY ADJACENT TO THE MAIN CIRCUIT.
- TOP OF FOUNDATIONS SHALL BE FLUSH WITH SURROUNDING SIDEWALKS OR 0.15' ABOVE TOP OF CURB IN PARKWAYS.
- LOCATE CONDUIT PER STD-101-L.
- STREET LIGHT STATIONS CONFORM TO STREET PLANS.

LEGEND

- ⊗ EXISTING STREET LIGHT
- NEW STREET LIGHT PER DETAIL "A"
- NO. 3 1/2 PULL BOX BROOKS PRODUCTS
- NEW 1 1/4" P.V.C. CONDUIT WITH 2-#8 CONDUCTORS AND 1-#8 GROUND



SHURMAN • SIMPSON
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 329 San Miguel Drive
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Donald Simpson

APPROVED		PUBLIC WORKS DIRECTOR	
DATE 9/14/73		RE. NO. 4594	
DESIGNED	D.C.S.	DRAWN	G.T.
CHECKED	D.C.S.	DATE	9-10-73

AVOCADO AVENUE
 STREET LIGHTING PLAN
CITY OF NEWPORT BEACH
 PUBLIC WORKS DEPARTMENT
 SHEET 6 OF 6