RIVERSIDE CALIFORNIA

CITY OF RIVERSIDE — INCORPORATED 1883 — CALIFORNIA

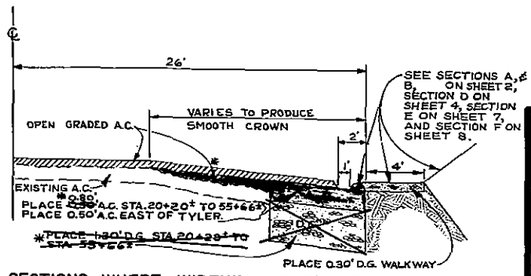
PUBLIC WORKS DEPARTMENT

INDEX

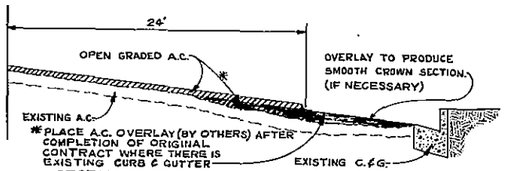
SHEET 1	TITLE SHEET	
" 2	PLAN & PROFILE	HIERS, MITCHELL & HEDRICK
" 3	" " "	HEDRICK, JONES & POLK
" 4	" " "	POLK, BRIGHAM & COLLETT
" 5	" " "	COLLETT, MOBLEY & WAGNER
" 6	" " "	WAGNER, BONITA & PENDLETON
" 7	" " "	PENDLETON & TYLER
" 8	" " "	TYLER TO STA. 88+00
" 9	" " "	STA. 88+00 TO MAGNOLIA

HOLE AVENUE WIDENING

LENGTH OF PROJECT = 7736 Feet = 1.46 Mile



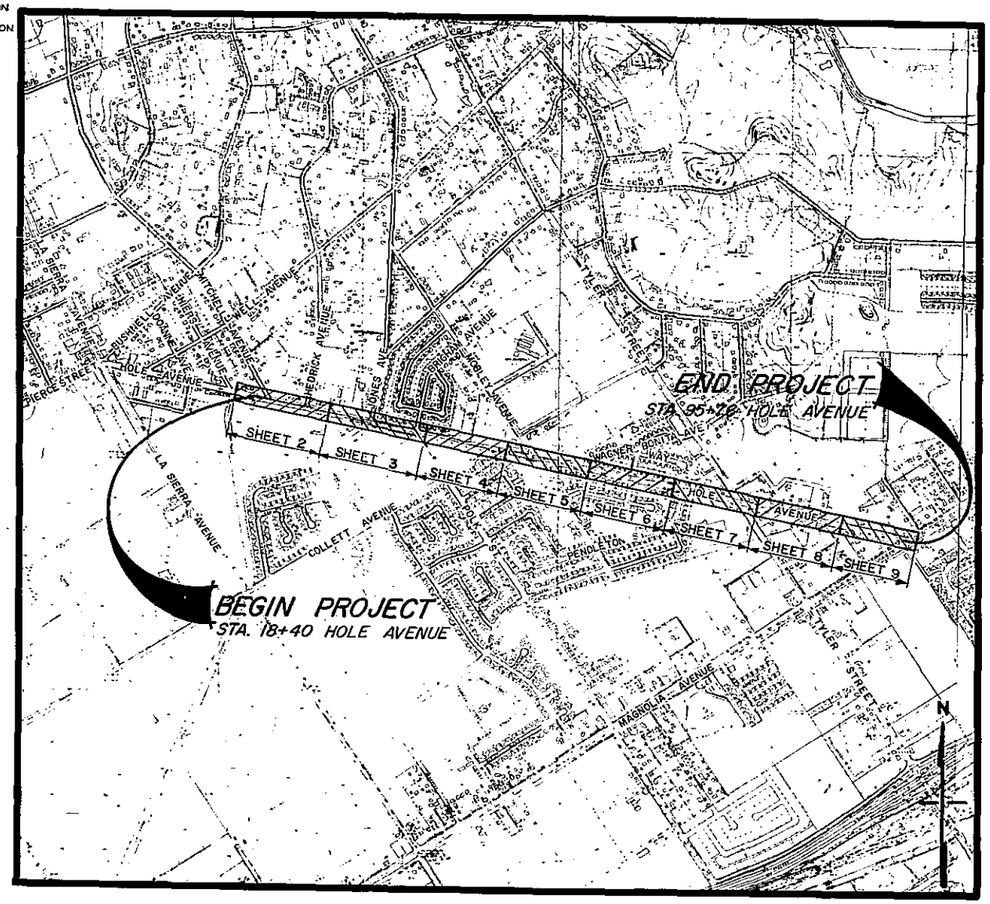
SECTIONS WHERE WIDENING IS REQUIRED



SECTIONS PREVIOUSLY WIDENED

TYPICAL SECTIONS

N.T.S.



PROJECT LOCATION PLAN

0 500 1000 2000 3000 4000 5000 FEET

SCALE 1" = 800'

GENERAL CONSTRUCTION NOTES

1. WHERE NEW CONSTRUCTION IS INDICATED
   (a) CLEAR AND GRUB.
2. SIDEWALK REMOVAL SHALL BE TO THE NEAREST CONSTRUCTION JOINT OR AS DIRECTED BY THE ENGINEER.
3. LIMITS OF OPEN GRADED ASPHALT SHALL BE TO 24' EACH SIDE OF ℄ FOR THE ENTIRE LENGTH OF THE PROJECT.
4. WHERE A.C. BERM MEETS C. & G., EDGE OF A.C. PAVEMENT SHALL MEET BACK OF CURB.
5. X-SECTIONS ARE AVAILABLE AT THE PUBLIC WORKS DEPARTMENT FOR INSPECTION BY THE CONTRACTOR.

CONSTRUCTION LEGEND

SECTION — PLAN

- 200 — CONST. CURB AND GUTTER PER STD. DWG. 200. CURB FACE AS NOTED ON CURB PROFILES.
- 405 — CONSTRUCT STORM WATER CATCH BASIN, TYPE 3, PER STD. DWG. 405
- NEW CONSTRUCTION FOR STRUCTURAL SECTION SEE TYPICAL SECTION.
- CONSTRUCT GRADED WALK-WAY 0.30' D.G. WITH SOIL STERILANT, TYPICAL FOR ALL AREAS EXCEPT WHERE CONCRETE OR A.C. WILL BE PLACED.
- A — PLACE A.C. (MIN. 0.10' THICK)
- B — ADJUST EXISTING MANHOLE TO NEW GRADE.
- PLACE OPEN GRADED A.C.

CENTER LINE — ℄
RIGHT-OF-WAY LINE — R/W

PROPOSED TOP OF SLOPE
PROPOSED TOE OF SLOPE
PROPOSED DIRECTION OF FLOW

EXISTING CULTURE & UNDERGROUND LEGEND

EXISTING UNDERGROUND UTILITIES

SANITARY SEWER	8"VCP — S	TELEPHONE CONDUIT	T — T
WATER LINE	6"CI — W	ELECTRICAL CONDUIT	E — E
STORM DRAIN	24"RCP — SD	STREET LIGHTING	SL — SL
CULVERT	15"CONC — C	TRAFFIC SIGNAL	SIG — SIG
IRRIGATION LINE	20" — IRR	FIRE ALARM	F — F
GAS LINE	3"M — G		

EXISTING TOPOGRAPHY

- SANITARY SEWER MH
- STORM DRAIN MH
- IRRIGATION WEIR
- WATER MH
- ELECTRIC VAULT
- TELEPHONE MH OR VAULT
- CORRUGATED METAL PIPE CATCH BASIN
- POWER POLE
- GUY POLE
- POLE & GUY ANCHOR
- PULL BOX
- TRAFFIC SIGN
- PARKING METER
- FIRE ALARM BOX
- RAILROAD TRACKS
- RAILROAD SIGN
- RAILROAD SIGNAL
- STREET LIGHT
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL ON MAST ARM
- TRAFFIC CONTROL BOX
- TRAFFIC SIGNAL DETECTOR
- P.F.C. — PEDESTRIAN CONTROL FOR TRAFFIC SIGNAL
- WATER METER
- FIRE HYDRANT
- SPRINKLER HEAD
- WATER VALVE
- GAS VALVE
- HYDRANT OR FAUCET
- GAS METER
- MAIL BOX
- DE — ELECTRICAL CONDUIT IN CROSS SECTION
- CONCRETE
- ASPHALT
- EDGE OF PAVEMENT
- BUILDING
- UNDERGROUND OR OVERHANGING STRUCTURE
- TREE SHOWING DIAMETER IN INCHES
- PALM SHOWING DIAMETER IN INCHES
- SHRUBBERY
- TREE STUMP DIAMETER IN INCHES
- BLOCK WALL
- BOARD FENCE
- WIRE FENCE
- CHAIN LINK FENCE
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION OF FLOW

HOLE AVE WIDENING

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		7/1
~~PARK DEPARTMENT~~		
~~TRAFFIC DIVISION~~		
CHIEF PUBLIC WKS. ENGR.		6/1/70

APPROVED BY — DIRECTOR OF PUBLIC WORKS — DATE 6-11-70

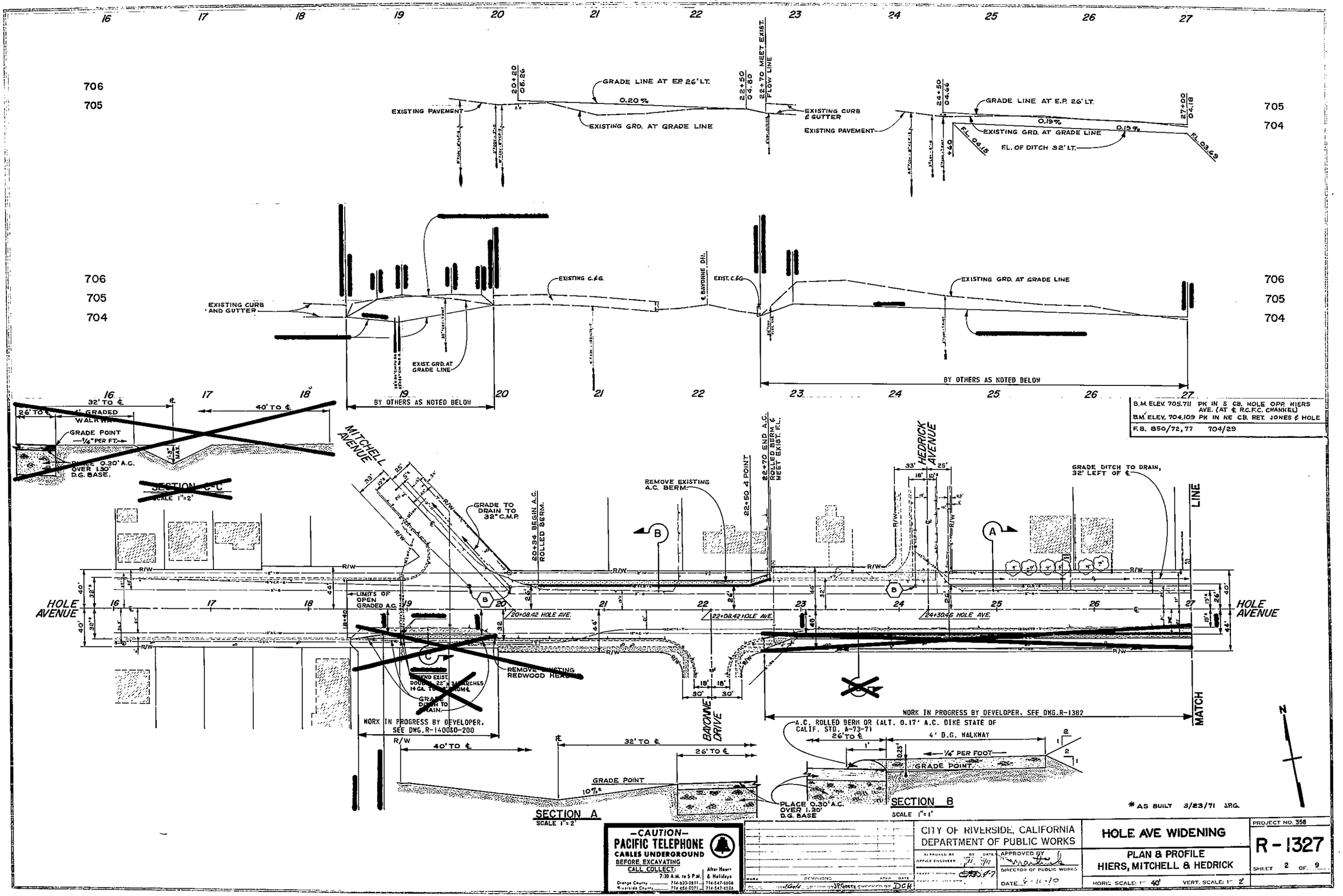
ACCOUNT Nº 358

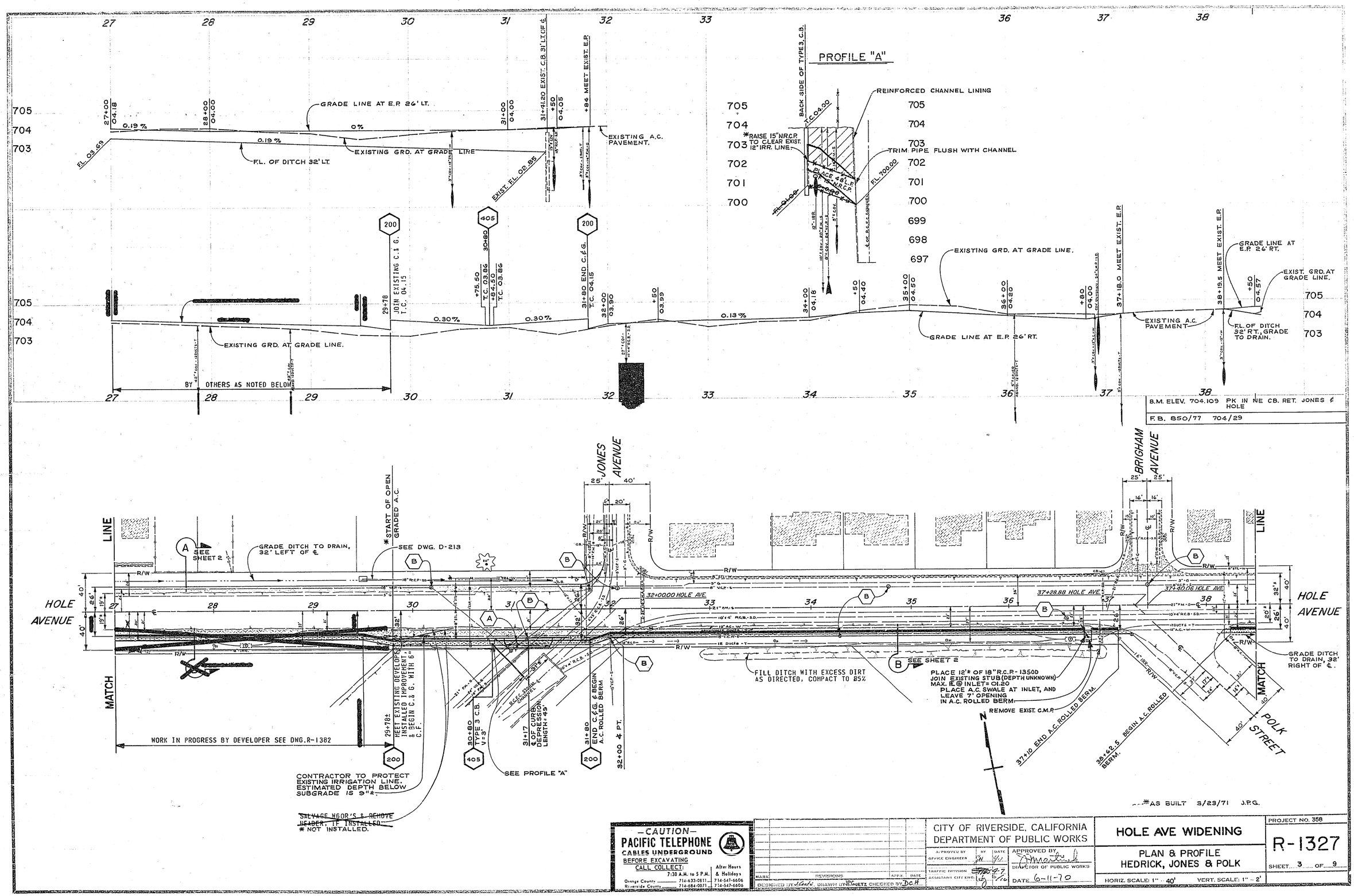
DRAWING NUMBER R - 1327

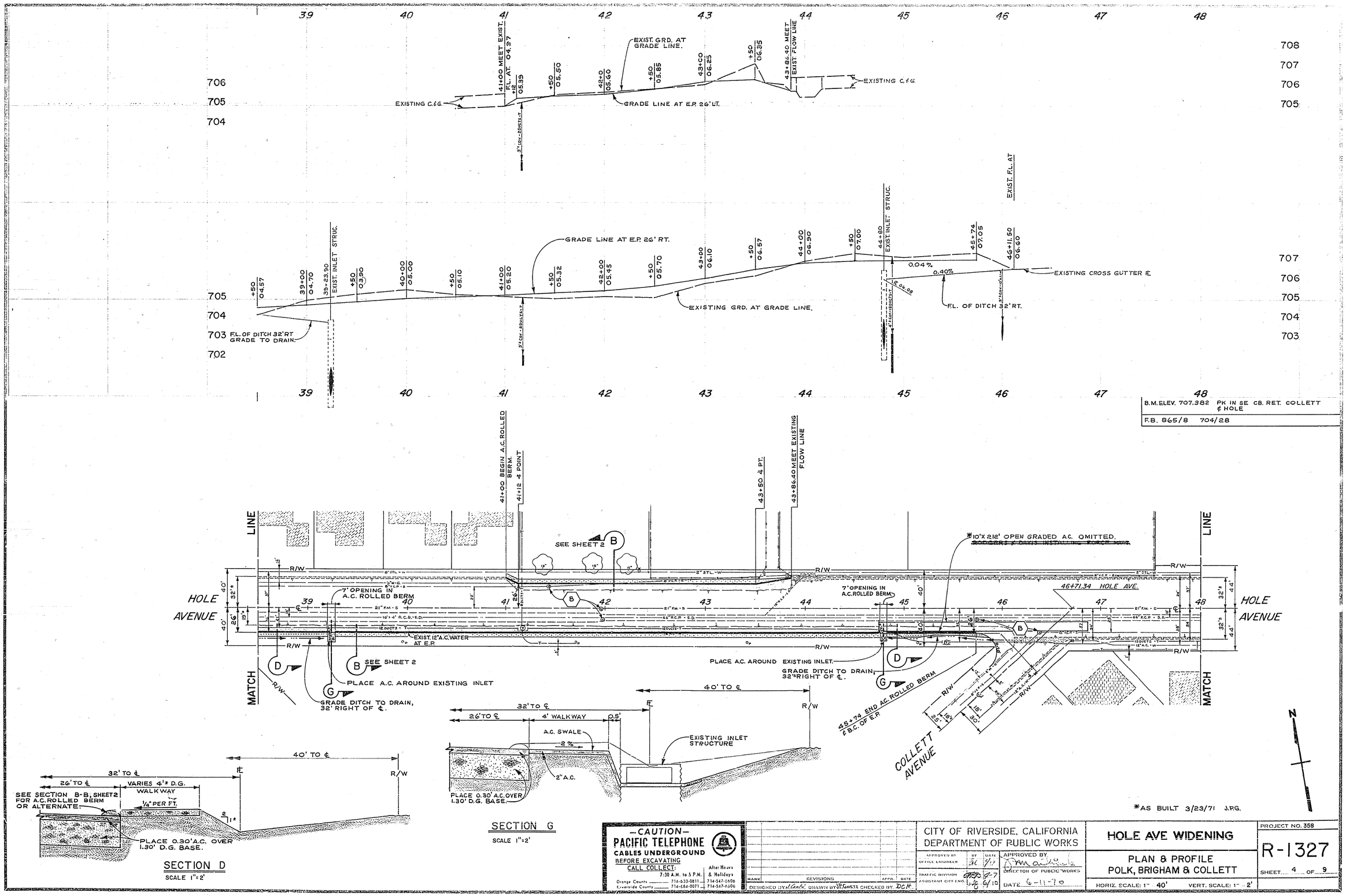
SHEET 1 OF 9

DESIGNED BY — DRAWN BY — CHECKED BY

*AS BUILT 3/23/71 J.P.G.


GRADE LINE AT E.P. 26' LT.
0.20%
EXISTING PAVEMENT
EXISTING GRD. AT GRADE LINE
20+20 05.26
22+50 04.80
22+70 MEET EXIST. FLOW LINE
EXISTING CURB & GUTTER
24+50 04.66
27+00 04.18
0.19%
FL. 04.15
+60
FL. OF DITCH 32' LT.
FL. 03.69
EXISTING CURB AND GUTTER
EXISTING C.&G.
EXIST. GRD. AT GRADE LINE
℄ BAYONNE DR.
EXIST. C.&G.
BY OTHERS AS NOTED BELOW
B.M. ELEV. 705.711 PK IN S CB. HOLE OPP. HIERS AVE. (AT ℄ R.C.F.C. CHANNEL)
B.M. ELEV. 704.109 PK IN NE CB. RET. JONES & HOLE
F.B. 850/72,77 704/29
32' TO ℄
26' TO ℄
4' GRADED WALKWAY
GRADE POINT —1/4" PER FT.
PLACE 0.30' A.C. OVER 1.30' D.G. BASE.
40' TO ℄
MITCHELL AVENUE
SECTION C-C
SCALE 1"=2'
GRADE TO DRAIN TO 32" C.M.P.
20+34 BEGIN A.C. ROLLED BERM.
REMOVE EXISTING A.C. BERM.
22+50 ℄ POINT
22+70 END A.C. ROLLED BERM & MEET EXIST. FL.
HEDRICK AVENUE
GRADE DITCH TO DRAIN, 32' LEFT OF ℄
MATCH LINE
HOLE AVENUE
LIMITS OF OPEN GRADED A.C.
20+08.42 HOLE AVE.
22+08.42 HOLE AVE.
24+30.46 HOLE AVE.
REMOVE EXISTING REDWOOD HEADER
GRADE DRAIN TO DRAIN.
WORK IN PROGRESS BY DEVELOPER, SEE DWG. R-1400&0-200
BAYONNE DRIVE
WORK IN PROGRESS BY DEVELOPER, SEE DWG. R-1382
A.C. ROLLED BERM OR (ALT. 0.17' A.C. DIKE STATE OF CALIF. STD. A-73-7)
26' TO ℄
4' D.G. WALKWAY
1/4" PER FOOT
GRADE POINT
10%
SECTION A
SCALE 1"=2'
PLACE 0.30' A.C. OVER 1.30' D.G. BASE
SECTION B
SCALE 1"=1'
* AS BUILT 3/23/71 J.R.G.
N
-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:
7:30 A.M. to 5 P.M.
After Hours & Holidays
Orange County 714-633-0811 714-547-6606
Riverside County 714 684-0271 714-547-6526
REVISIONS
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY OFFICE ENGINEER
APPROVED BY DIRECTOR OF PUBLIC WORKS
DATE 6-10-70
HOLE AVE WIDENING
PLAN & PROFILE
HIERS, MITCHELL & HEDRICK
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 2'
PROJECT NO. 358
R-1327
SHEET 2 OF 9


PROFILE "A"
GRADE LINE AT E.P. 26' LT.
EXISTING GRD. AT GRADE LINE
F.L. OF DITCH 32' LT.
EXISTING A.C. PAVEMENT.
EXIST. F.L. 02.85
BACK SIDE OF TYPE 3, C.B.
REINFORCED CHANNEL LINING
*RAISE 15" N.R.C.P. TO CLEAR EXIST. 12" IRR. LINE.
TRIM PIPE FLUSH WITH CHANNEL
F.L. 700.00
EXISTING GRD. AT GRADE LINE.
GRADE LINE AT E.P. 26' RT.
EXIST. GRD. AT GRADE LINE.
F.L. OF DITCH 32' RT., GRADE TO DRAIN.
BY OTHERS AS NOTED BELOW
B.M. ELEV. 704.109 PK IN NE CB. RET. JONES & HOLE
F.B. 850/77 704/29
JONES AVENUE
BRIGHAM AVENUE
HOLE AVENUE
MATCH LINE
SEE SHEET 2
GRADE DITCH TO DRAIN, 32' LEFT OF ℄
*START OF OPEN GRADED A.C.
SEE DWG. D-213
32+00.00 HOLE AVE.
37+28.88 HOLE AVE.
37+40.06 HOLE AVE.
FILL DITCH WITH EXCESS DIRT AS DIRECTED, COMPACT TO 85%
PLACE 12'± OF 18" R.C.P.-1350D JOIN EXISTING STUB (DEPTH UNKNOWN) MAX. ℄ @ INLET = 01.20
PLACE A.C. SWALE AT INLET, AND LEAVE 7' OPENING IN A.C. ROLLED BERM.
REMOVE EXIST. C.M.P.
37+10 END A.C. ROLLED BERM.
38+62.5 BEGIN A.C. ROLLED BERM.
GRADE DITCH TO DRAIN, 32' RIGHT OF ℄.
POLK STREET
WORK IN PROGRESS BY DEVELOPER SEE DWG. R-1382
29+78± MEET EXISTING DEVELOPER INSTALLED IMPROVEMENT, & BEGIN C.& G. WITH 6" C.F.
30+80 TYPE 3 C.B. V=3'
31+17 ℄ OF CURB DEPRESSION LENGTH = 49'
31+80 END C.&G. & BEGIN A.C. ROLLED BERM
32+00 ℄ PT.
SEE PROFILE "A"
CONTRACTOR TO PROTECT EXISTING IRRIGATION LINE. ESTIMATED DEPTH BELOW SUBGRADE IS 9"±.
~~SALVAGE W6OR'S & REMOVE HEADER, IF INSTALLED.~~
* NOT INSTALLED.
*AS BUILT 3/23/71 J.P.G.
-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:
7:30 A.M. to 5 P.M.
After Hours & Holidays
Orange County 714-633-0811 714-547-6606
Riverside County 714-684-0071 714-547-6606
MARK REVISIONS APPR. DATE
DESIGNED BY J. Cook DRAWN BY J.P. GUETZ CHECKED BY DCH
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY OFFICE ENGINEER
TRAFFIC DIVISION
ASSISTANT CITY ENG.
APPROVED BY DIRECTOR OF PUBLIC WORKS
DATE 6-11-70
HOLE AVE WIDENING
PLAN & PROFILE
HEDRICK, JONES & POLK
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 2'
PROJECT NO. 358
R-1327
SHEET 3 OF 9



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Orange County 714-633-0811 | 714-547-6606
Riverside County 714-684-0071 | 714-547-6606

MARK	REVISIONS	APPR.	DATE

DESIGNED BY Ulcate DRAWN BY J.P. GOETZ CHECKED BY DCH

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

	BY	DATE
APPROVED BY OFFICE ENGINEER	JC	5/7
TRAFFIC DIVISION		5-7
ASSISTANT CITY ENG.		6/10

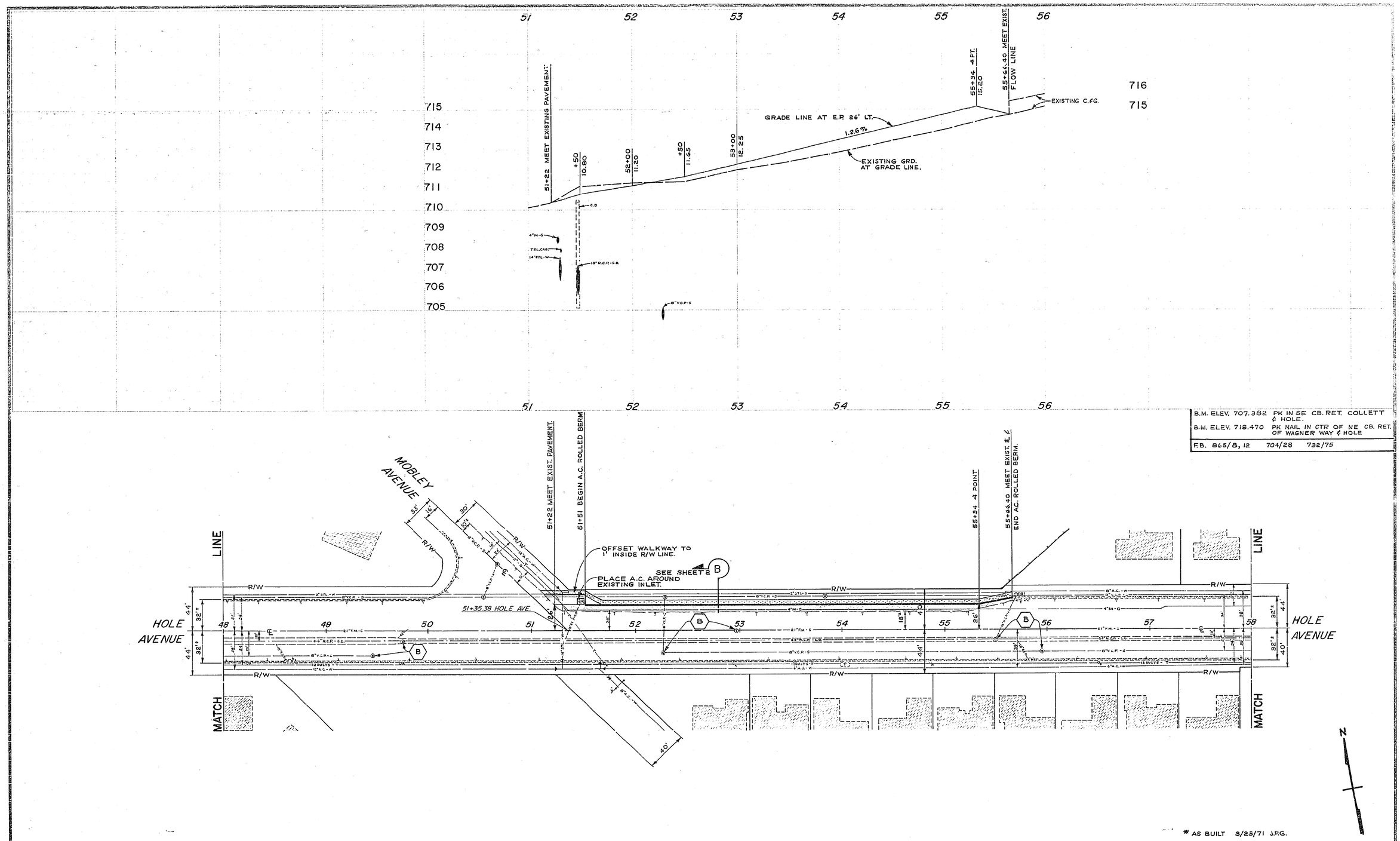
APPROVED BY DIRECTOR OF PUBLIC WORKS
DATE 6-11-70

HOLE AVE WIDENING

PLAN & PROFILE
POLK, BRIGHAM & COLLETT

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 2'

PROJECT NO. 359
R-1327
SHEET 4 OF 9



B.M. ELEV. 707.382	PK IN SE CB. RET. COLLETT & HOLE.	
B.M. ELEV. 718.470	PK NAIL IN CTR OF NE CB. RET. OF WAGNER WAY & HOLE	
F.B. 865/8, 12	704/28	732/75

* AS BUILT 3/25/71 J.P.G.

-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:

	7:30 A.M. to 5 P.M.	After Hours & Holidays
Orange County	714-633-0811	714-547-6606
Riverside County	714-684-0071	714-547-6606

MARK	REVISIONS	APPR.	DATE

DESIGNED BY J. Cole DRAWN BY J.P. GOETZ CHECKED BY D.C.H.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE
OFFICE ENGINEER		
TRAFFIC DIVISION		
ASSISTANT CITY ENG.		6/10

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 6-11-70

HOLE AVE WIDENING

PLAN & PROFILE
COLLETT, MOBLEY & WAGNER

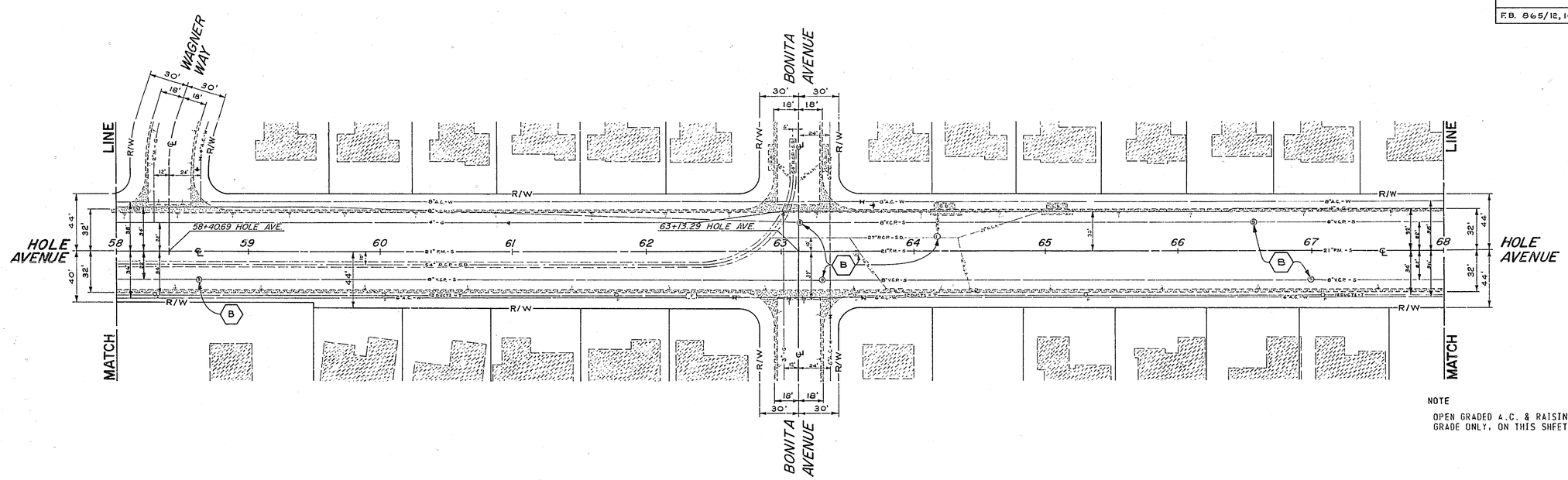
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 2'

PROJECT NO. 358

R - 1327

SHEET 5 OF 9

B.M. ELEV. 718.470	"PK" NAIL IN CTR. OF N.E. CB. RET. OF WAGNER WAY & HOLE AVE.
B.M. ELEV. 729.812	"PK" NAIL IN CTR. OF SW CB. RET. OF PENDLETON ST. & HOLE AVE.
F.B. 865/12, 16,	



NOTE

OPEN GRADED A.C. & RAISING MANHOLES TO GRADE ONLY, ON THIS SHEET.

N

* AS BUILT 3/23/71 J.P.G.

-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:
7:30 A.M. to 5 P.M.
Orange County 714-633-0811
Riverside County 714-684-0071
After Hours & Holidays
714-547-6606
714-547-6606

MARK	REVISIONS	APPR.	DATE

DESIGNED BY J. Gale DRAWN BY J.P. GOETZ CHECKED BY D.C.H.

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

	BY	DATE
APPROVED BY OFFICE ENGINEER		1/12
TRAFFIC DIVISION		
ASSISTANT CITY ENG.		6/10

APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 6-11-70

HOLE AVE WIDENING

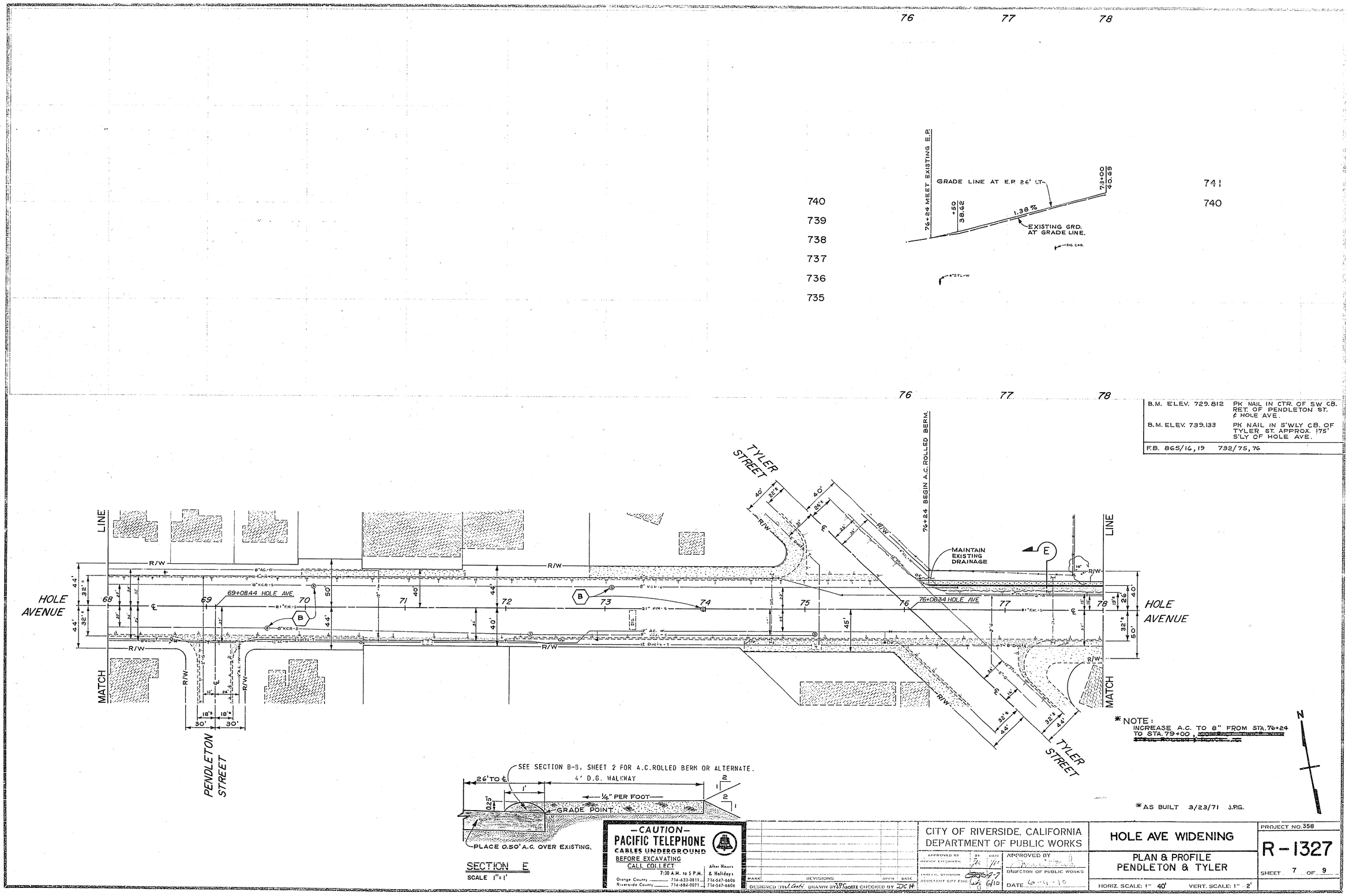
PLAN & PROFILE
WAGNER, BONITA & PENDLETON

HORIZ. SCALE: 1" 40' VERT. SCALE: 1"

PROJECT NO. 358

R-1327

SHEET 6 OF 9



B.M. ELEV. 729.812	PK NAIL IN CTR. OF SW CB. RET. OF PENDLETON ST. & HOLE AVE.
B.M. ELEV. 739.133	PK NAIL IN S'WLY CB. OF TYLER ST. APPROX. 175' S'LY OF HOLE AVE.
F.B. 865/16, 19	732/75, 76

*NOTE: INCREASE A.C. TO 8" FROM STA. 76+24 TO STA. 79+00, ~~[illegible]~~

*AS BUILT 3/23/71 J.P.G.

-CAUTION-
PACIFIC TELEPHONE
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BEFORE EXCAVATING
CALL COLLECT
7:30 A.M. to 5 P.M. | After Hours & Holidays
Orange County 714-633-0811 | 714-547-6606
Riverside County 714-684-0071 | 714-547-6606

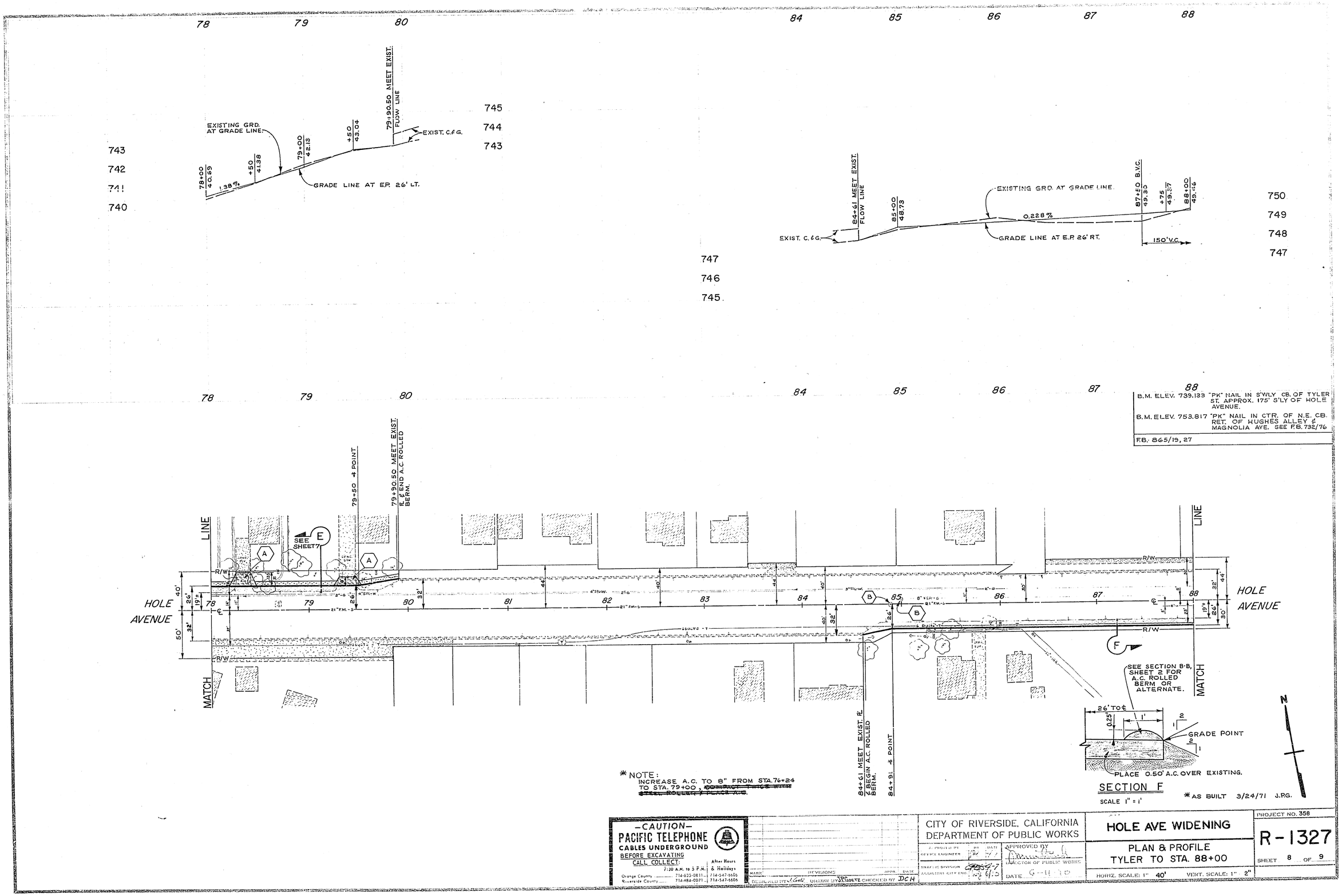
MARK | REVISIONS | APPR | DATE
DESIGNED BY J.Coats DRAWN BY J.P.Goetz CHECKED BY DCH

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY | BY | DATE
OFFICE ENGINEER
TRAFFIC DIVISION
ASSISTANT CITY ENG.
APPROVED BY
DIRECTOR OF PUBLIC WORKS
DATE 6-11-70

HOLE AVE WIDENING
PLAN & PROFILE
PENDLETON & TYLER
HORIZ. SCALE: 1" 40' VERT. SCALE: 1" 2'

PROJECT NO. 358
R-1327
SHEET 7 OF 9



B.M. ELEV. 739.133 "PK" NAIL IN S'WLY CB. OF TYLER ST. APPROX. 175' S'LY OF HOLE AVENUE.

B.M. ELEV. 753.817 "PK" NAIL IN CTR. OF N.E. CB. RET. OF HUGHES ALLEY & MAGNOLIA AVE. SEE F.B. 732/76

F.B. 865/19, 27

*NOTE:
INCREASE A.C. TO 8" FROM STA. 76+24 TO STA. 79+00, ~~COMPACT TWICE WITH STEEL ROLLER & PLACE A.C.~~

*AS BUILT 3/24/71 J.P.G.

-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:
7:30 A.M. to 5 P.M. | After Hours & Holidays
Orange County 714-633-0811 714-547-6606
Riverside County 714-684-0071 714-547-6606

MARK | REVISIONS | APPR. | DATE
DESIGNED BY J. Cole DRAWN BY J.P. GOETZ CHECKED BY DCH

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY OFFICE ENGINEER | BY | DATE
TRAFFIC DIVISION | APPROVED BY DIRECTOR OF PUBLIC WORKS
ASSISTANT CITY ENG. | DATE 6-11-70

HOLE AVE WIDENING

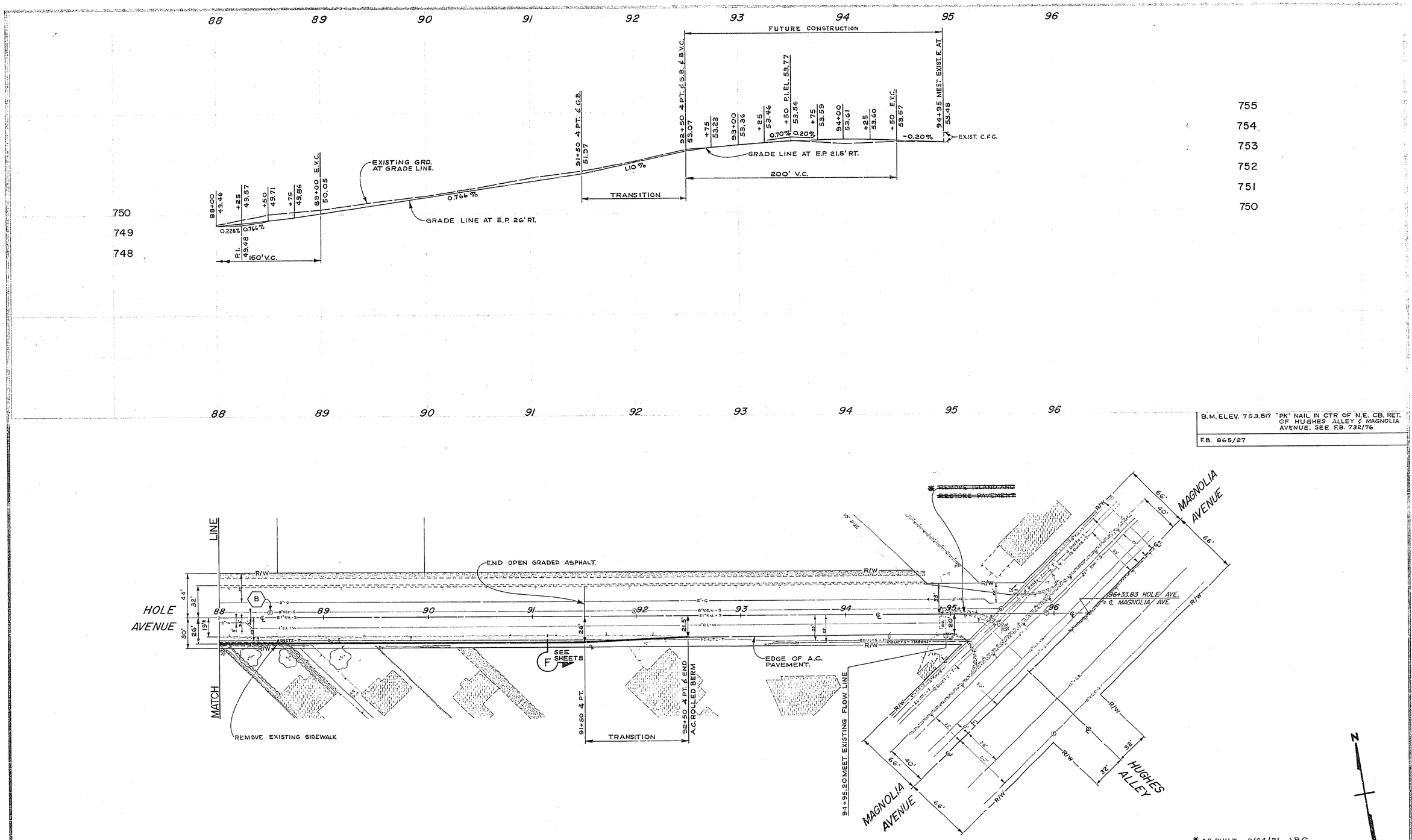
PLAN & PROFILE
TYLER TO STA. 88+00

HORIZ. SCALE: 1" 40' VERT. SCALE: 1" 2"

PROJECT NO. 358

R-1327

SHEET 8 OF 9



B.M. ELEV. 753.817 "PK" NAIL IN CTR OF N.E. CB. RET. OF HUGHES ALLEY & MAGNOLIA AVENUE. SEE F.B. 732/76

F.B. 865/27

* AS BUILT 3/24/71 J.P.G.

-CAUTION-
PACIFIC TELEPHONE
CABLES UNDERGROUND
BEFORE EXCAVATING
CALL COLLECT:
7:30 A.M. to 5 P.M. — After Hours & Holidays
Orange County 714-633-0811 714-547-6606
Riverside County 714-684-0071 714-547-6606

MARK | REVISIONS | APPR. | DATE
DESIGNED BY J. Cook DRAWN BY J.P. Goltz CHECKED BY DCH

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY OFFICE ENGINEER — BY — DATE 4/17
TRAFFIC DIVISION — 4-7
ASSISTANT CITY ENG. — 6/10
APPROVED BY DIRECTOR OF PUBLIC WORKS
DATE 6-11-70

HOLE AVE WIDENING
PLAN & PROFILE
STA. 88+00 TO MAGNOLIA
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 2'

PROJECT NO. 358
R-1327
SHEET 9 OF 9