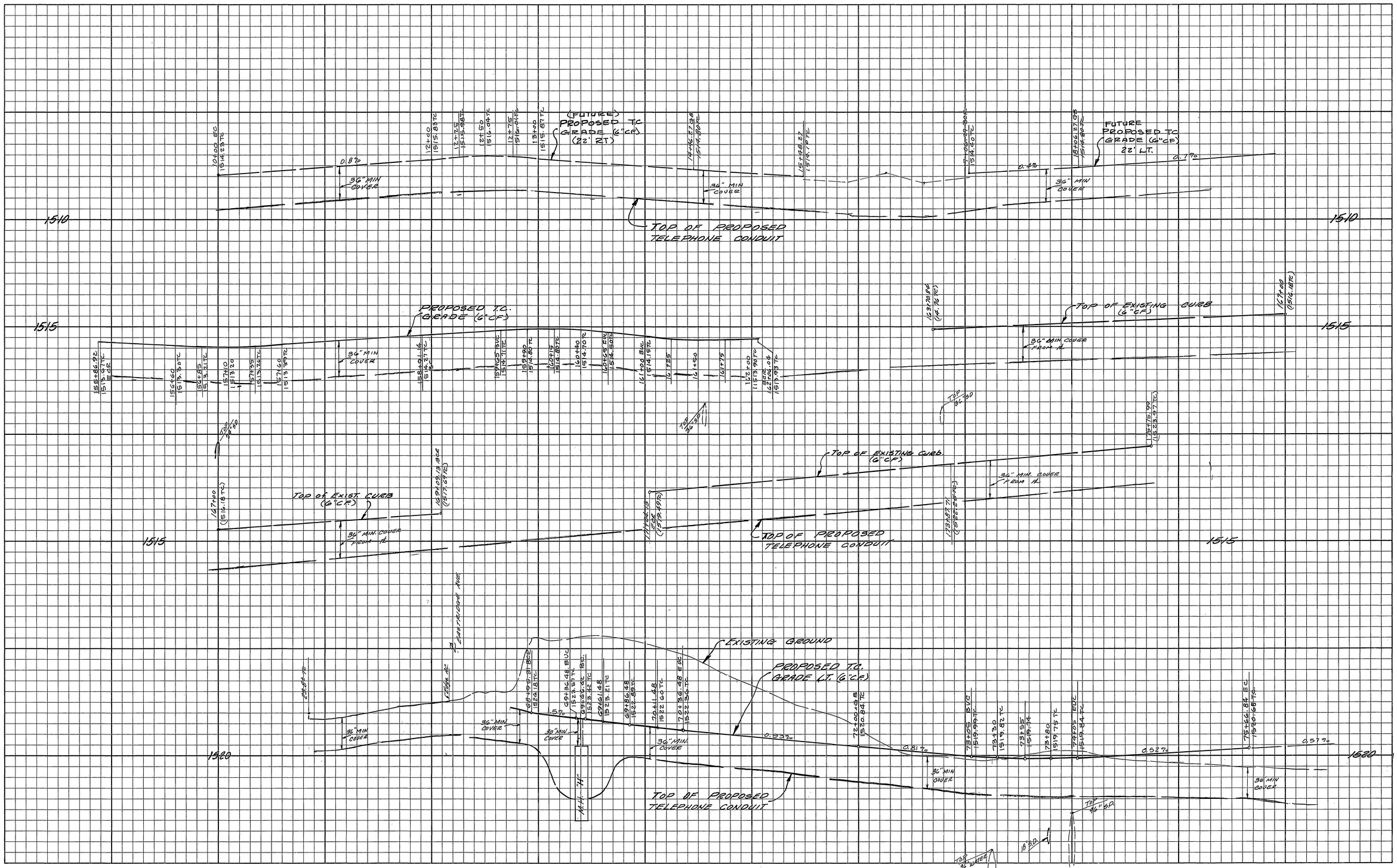


UNDERGROUND SERVICE ALERT
CALL: TOLL FREE 1-800 422-4133
TWO WORKING DAYS BEFORE YOU DIG

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
RIVERSIDE, CALIFORNIA
3788 McCRAY STREET RIVERSIDE
(714) 686-1070

W.O. FOR: F.B.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY JVP DRAWN BY JVP CHECKED BY

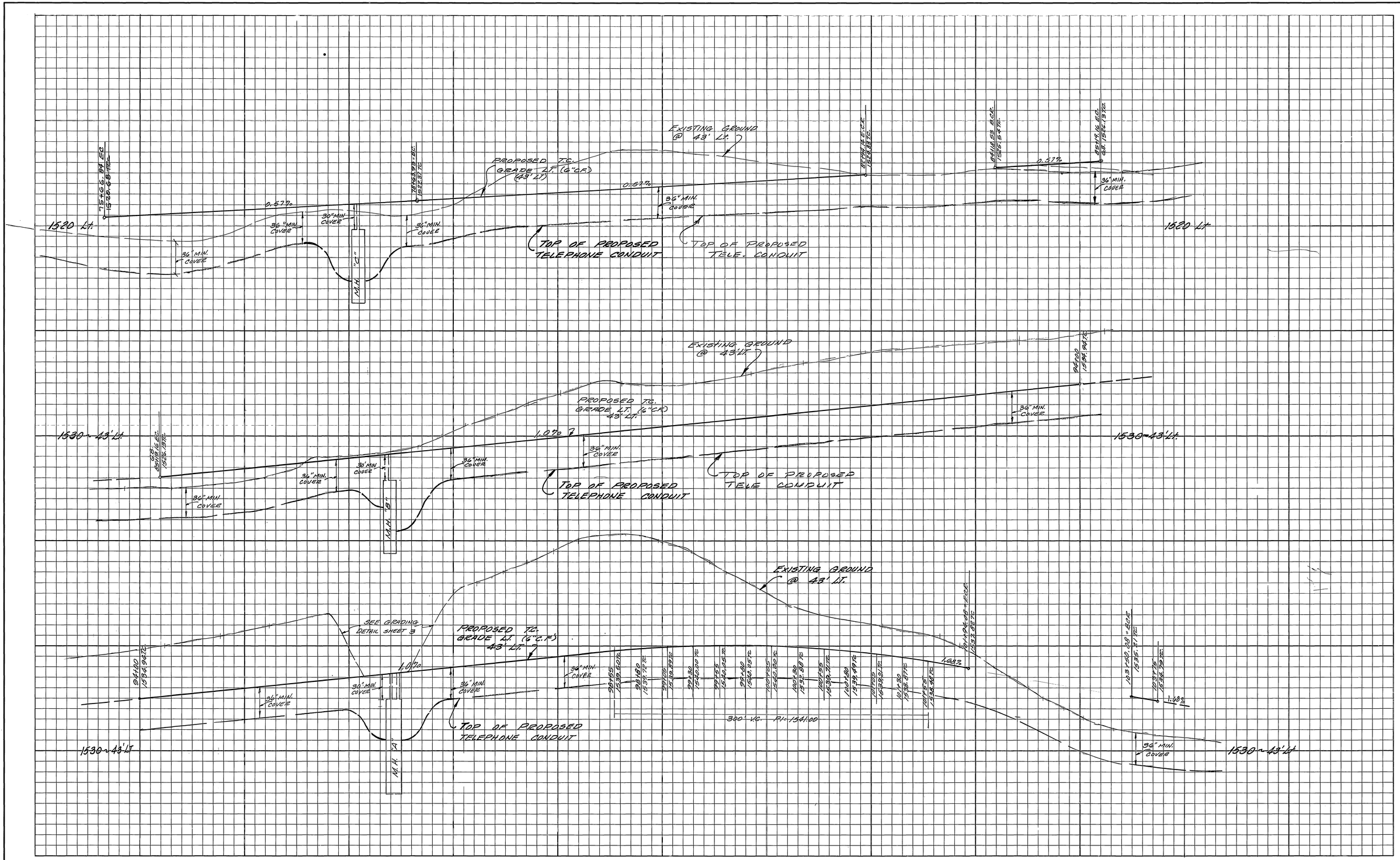
CITY OF RIVERSIDE, CALIFORNIA

PROFILE
TELEPHONE CONDUIT
SYCAMORE CANYON BUSINESS PARK

ACCOUNT No. 90-3000Y
DRAWING NUMBER R-3329-T
SHEET 1 OF 3

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

INDEXED 7-7-99 GH



UNDERGROUND SERVICE ALERT
CALL: TOLL FREE 1-800 422-4133
TWO WORKING DAYS BEFORE YOU DIG

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
RIVERSIDE, CALIFORNIA
3788 McCRAY STREET RIVERSIDE
(714) 686-1070

W.O. FOR: F.B.

MARK	REVISIONS	APPR.	DATE

DESIGNED BY JVP DRAWN BY JVP CHECKED BY

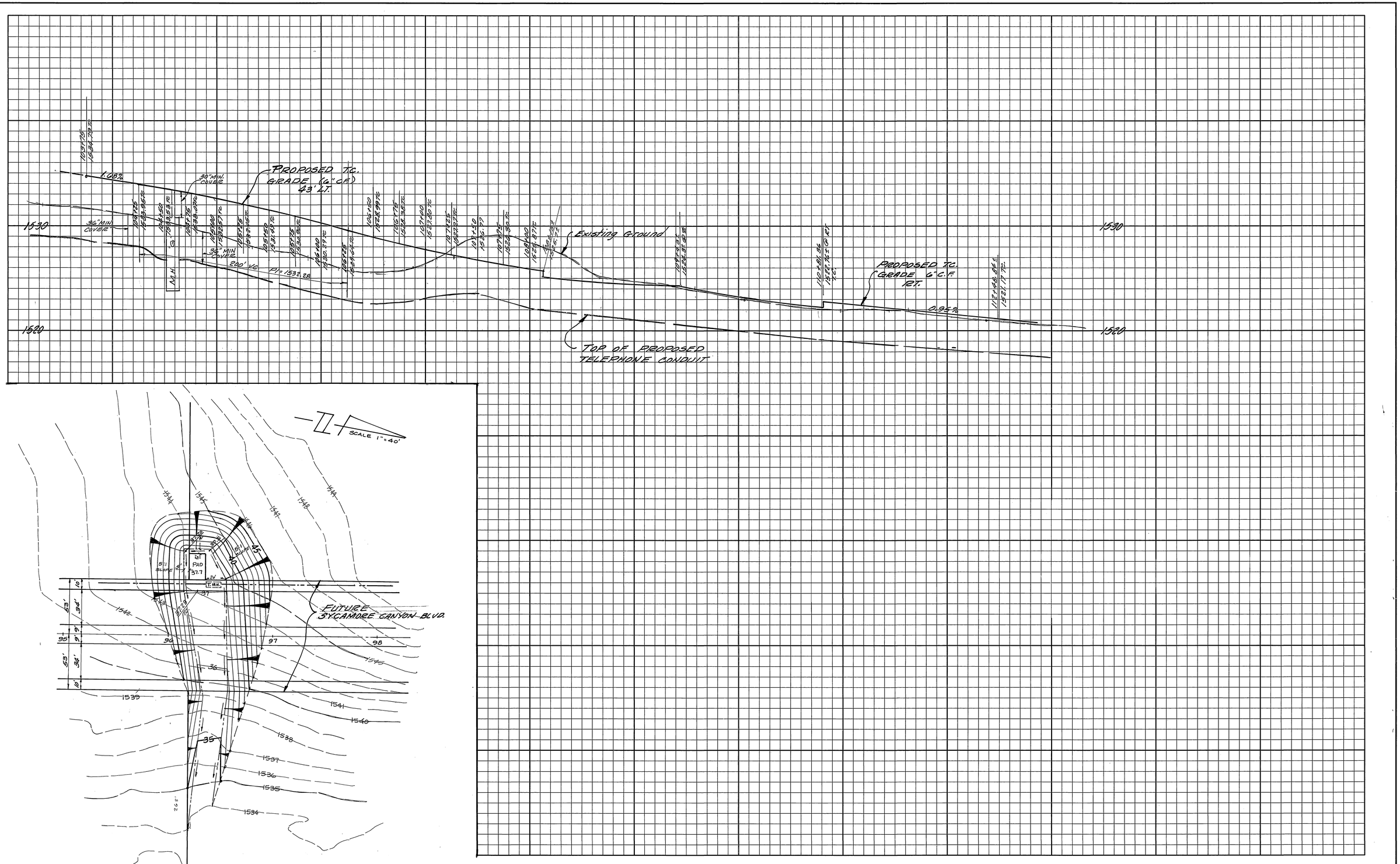
CITY OF RIVERSIDE, CALIFORNIA

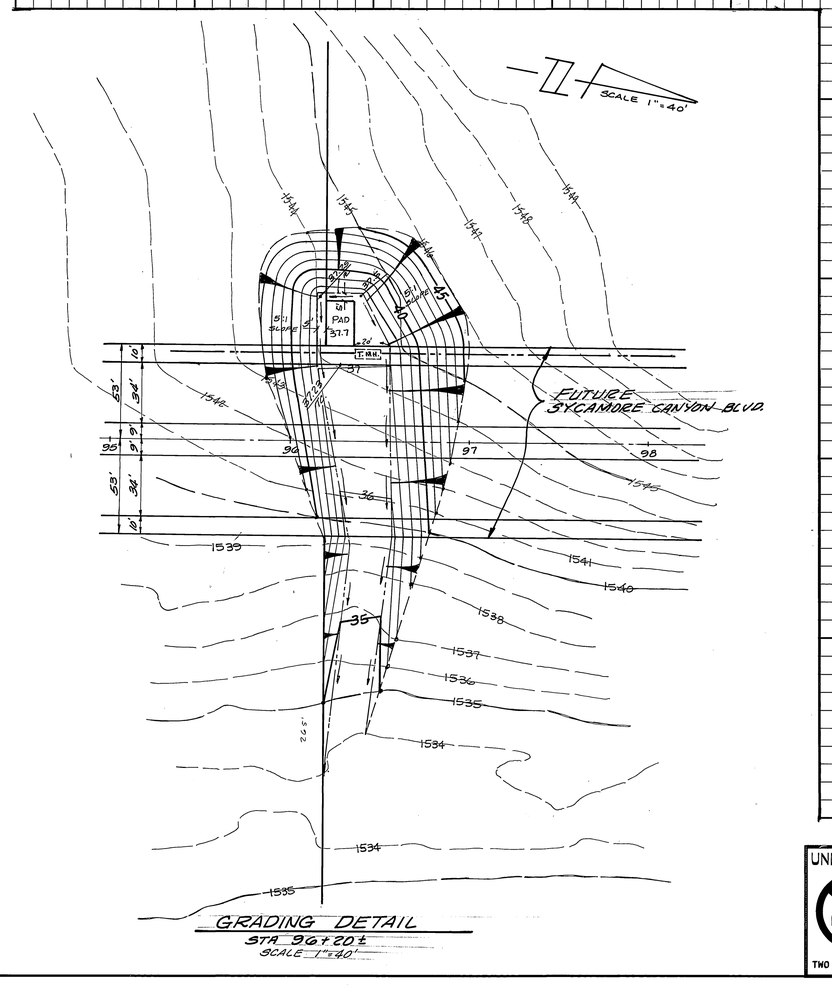
PROFILE
TELEPHONE CONDUIT
SYCAMORE CANYON BUSINESS PARK

ACCOUNT No. 90-3000Y
DRAWING NUMBER
R-3320-T
SHEET 2 OF 3

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

INDEXED 7-7-94 GH





UNDERGROUND SERVICE ALERT
CALL: TOLL FREE 1-800 422-4133
TWO WORKING DAYS BEFORE YOU DIG

ALBERT A. WEBB ASSOCIATES
CIVIL ENGINEERS
RIVERSIDE, CALIFORNIA
3788 McCRAY STREET RIVERSIDE
(714)686-1070

W.O. FOR: F.B.

MARK | REVISIONS | APPR. | DATE

DESIGNED BY JVP DRAWN BY JVP CHECKED BY

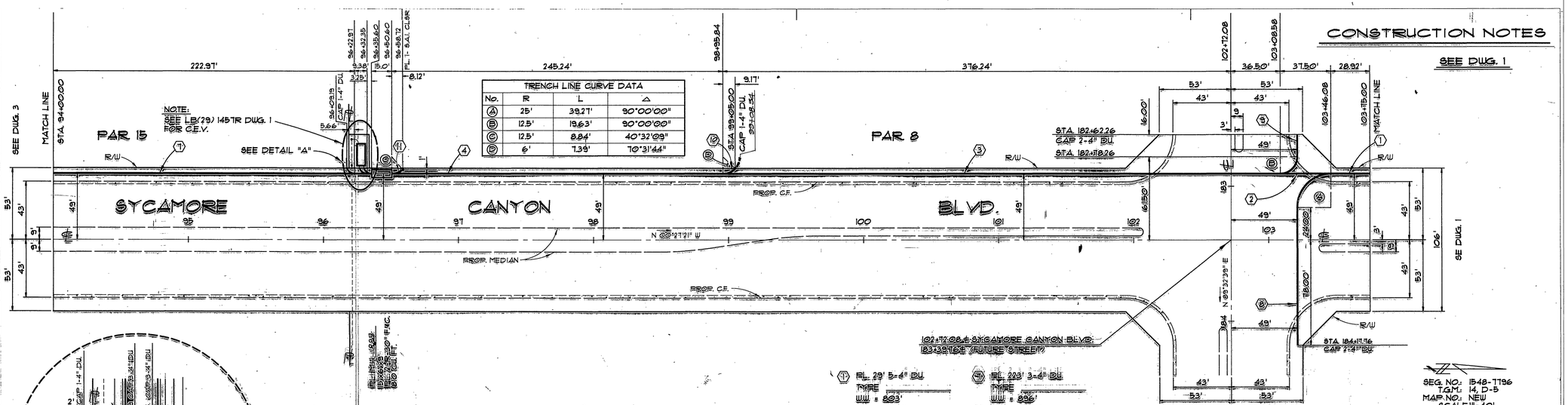
CITY OF RIVERSIDE, CALIFORNIA

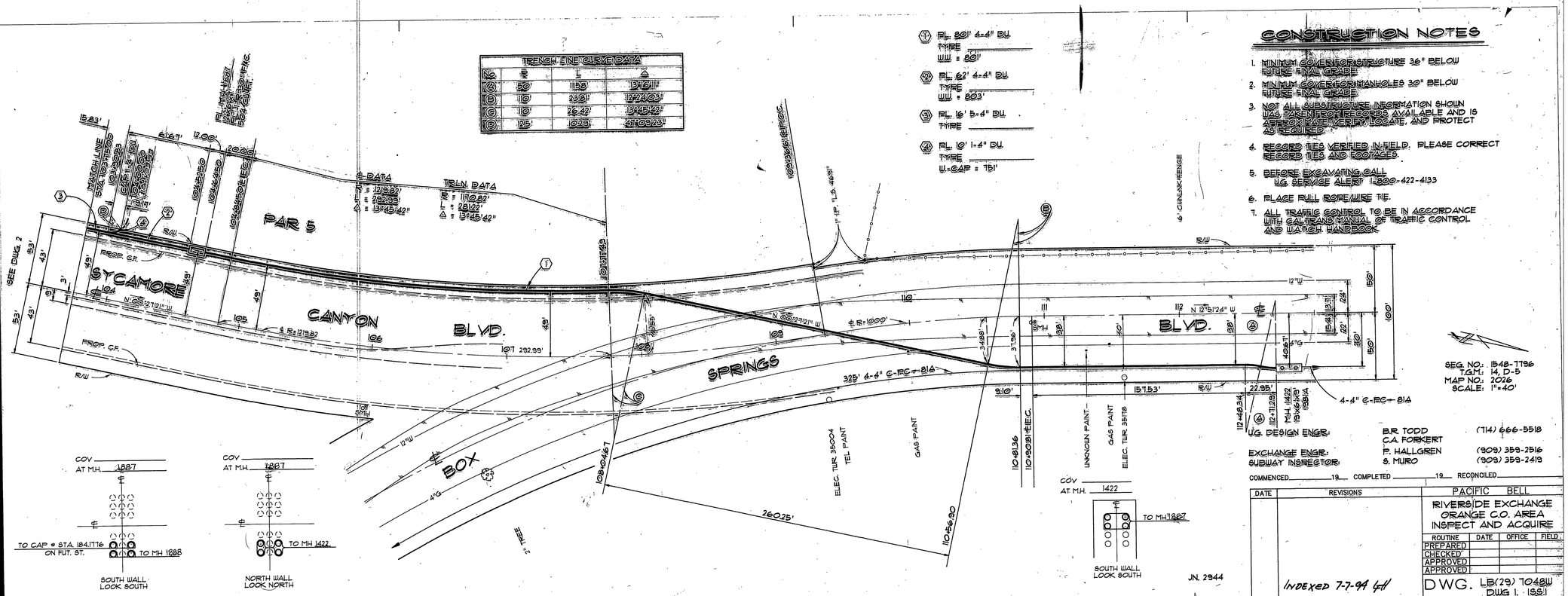
PROFILE
TELEPHONE CONDUIT
SYCAMORE CANYON BUSINESS PARK

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

ACCOUNT No. 90-3000Y
DRAWING NUMBER
R-3329-T
SHEET 3 OF 3

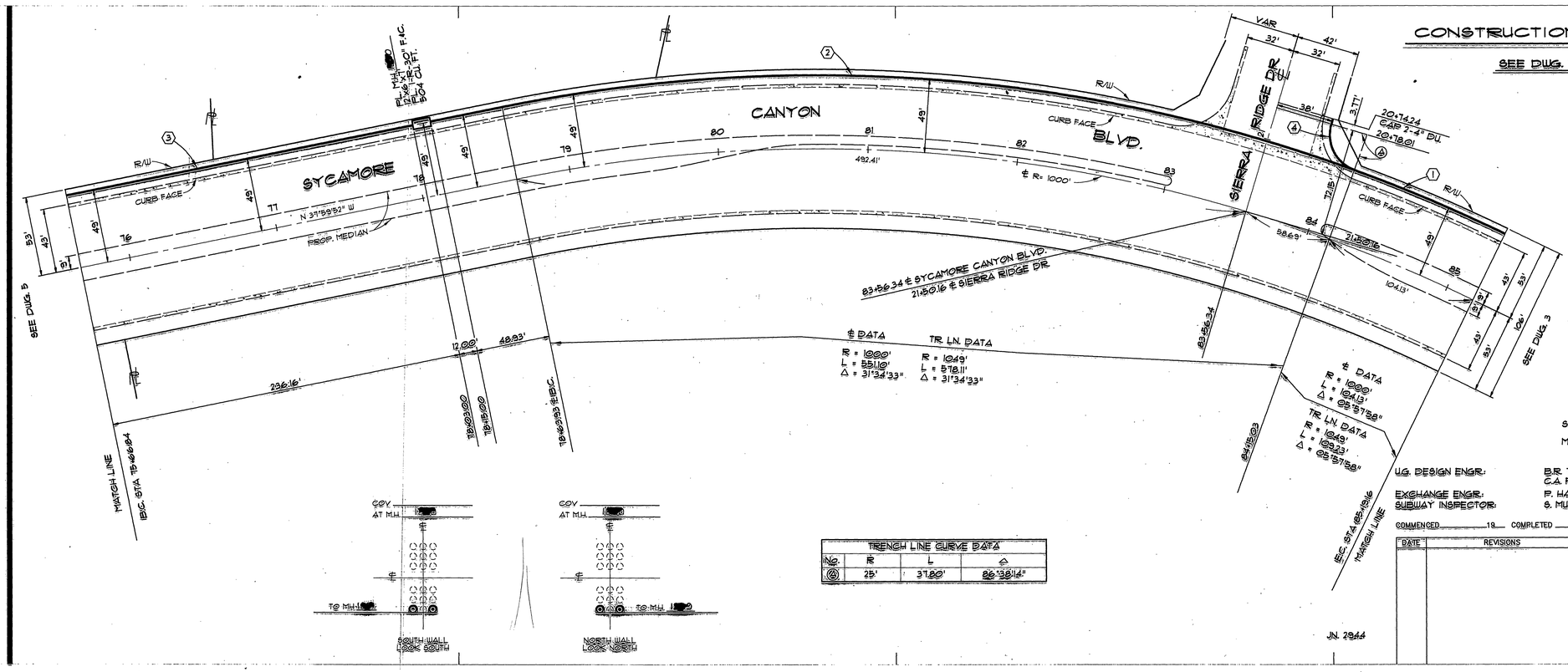
INDEXED 7-7-94 LH


SEE DWG. 3
MATCH LINE
STA 94+00.00
PAR 15
NOTE:
SEE LB(29) 145TR DWG. 1
FOR C.E.V.
SEE DETAIL "A"
SYCAMORE CANYON BLVD.
PROP. MEDIAN
PROP. C.F.
N 89°27'21" W
PAR 8
STA 182+62.26
CAP 2-4" DIA.
STA 182+78.26
STA 184+17.76
CAP 2-4" DIA.
102+72.08 ℄ SYCAMORE CANYON BLVD.
103+39.15℄ (FUTURE "D STREET")
N 89°31'39" E
SEE DWG. 1
MATCH LINE
SEE DWG. 1
TRENCH LINE CURVE DATA
No. R L Δ
A 25' 39.27' 90°00'00"
B 12.5' 19.63' 90°00'00"
C 12.5' 8.84' 40°32'09"
D 6' 7.39' 70°31'44"
STA 99+05.00
CAP 1-4" DIA.
99+08.84
STA 102+12.08
103+08.58
103+46.08
103+115.00
222.97'
245.24'
376.24'
36.50'
37.50'
28.92'
9.17'
8.12'
9.38'
2.25'
5.0'
5.66'
16.00'
53'
43'
49'
3'
9'
183'
106'
128.00'
23.00'
61.50'
FL. 29' 5-4" DI.
TYPE
W.W. = 803'
FL. 38' 3-4" DI.
TYPE
FL. 413' 3-4" DI.
TYPE
FL. 245' 6-4" DI.
TYPE
FL. 3' 7-4" DI.
TYPE
FL. 9' 4-4" DI.
TYPE
FL. 223' 3-4" DI.
TYPE
W.W. = 886'
FL. 141' 2-4" DI.
TYPE
W-CAP = 248'
FL. 36' 2-4" DI.
TYPE
W-CAP = 834'
FL. 7' 1-4" DI.
TYPE
W-CAP = 253'
FL. 12' 3-4" DI.
TYPE
W-S.A.I. = 12'
FL. 7' 3-4" DI.
TYPE
W-CAP = 7'
FL. 7' 3-4" DI.
TYPE
W-CAP = 10'
FL. 7' 1-4" DI.
TYPE
W-CAP = 19'
U.G. DESIGN ENGR.
EXCHANGE ENGR.
SUBWAY INSPECTOR:
B.R. TODD (714) 666-5518
C.A. FORKERT
P. HALLGREN (909) 359-2516
S. MURO (909) 359-2419
COMMENCED 19 COMPLETED 19 RECONCILED
SEG. NO.: 1548-7796
T.G.M.: 14, D-5
MAP NO.: NEW
SCALE: 1"=40'
DETAIL "A"
SCALE: 1" = 10'
COV AT M.H. 1888
COV AT M.H. 1887
SOUTH WALL LOOK SOUTH
NORTH WALL LOOK NORTH
JN. 2844
PACIFIC BELL
RIVERSIDE EXCHANGE
ORANGE C.O. AREA
INSPECT AND ACQUIRE
ROUTINE DATE OFFICE FIELD
PREPARED
CHECKED
APPROVED
APPROVED
DWG. LB(29) 7048W
DWG 2. 1551


CONSTRUCTION NOTES
1. MINIMUM COVER FOR STRUCTURE 36" BELOW FUTURE FINAL GRADE.
2. MINIMUM COVER FOR MANHOLES 30" BELOW FUTURE FINAL GRADE.
3. NOT ALL SUBSTRUCTURE INFORMATION SHOWN WAS TAKEN FROM RECORDS AVAILABLE AND IS APPROXIMATE. VERIFY, LOCATE, AND PROTECT AS REQUIRED.
4. RECORD TIES VERIFIED IN FIELD. PLEASE CORRECT RECORD TIES AND FOOTAGES.
5. BEFORE EXCAVATING CALL U.G. SERVICE ALERT 1-800-422-4133
6. PLACE FULL ROPE WIRE TIE.
7. ALL TRAFFIC CONTROL TO BE IN ACCORDANCE WITH CALTRANS MANUAL OF TRAFFIC CONTROL AND WATCH HANDBOOK
TRENCH LINE CURVE DATA
No. R L Δ
A 50' 1.83' 1°47'11"
B 110' 23.81' 12°24'03"
C 110' 28.42' 13°45'42"
D 215' 103.3' 27°09'23"
PAR 5
SYCAMORE CANYON BLVD.
SPRINGS
BOX
PROP. C.F.
N 89°27'21" W
℄ R=1000'
℄ R=1219.82'
L = 292.99'
Δ = 13°45'42"
TRLN. DATA
R = 1110.82'
L = 28.42'
Δ = 13°45'42"
FL. 80' 4-4" DI.
TYPE
W.W. = 801'
FL. 62' 4-4" DI.
TYPE
W.W. = 803'
FL. 16' 5-4" DI.
TYPE
FL. 19' 1-4" DI.
TYPE
W-GAP = 751'
325' 4-4" C-RC-814
4-4" C-RC-814
ELEC. TUR. 35004
TEL PAINT
GAS PAINT
UNKNOWN PAINT
ELEC. TUR. 35118
26025'
COV AT M.H. 1422
TO MH 1887
SOUTH WALL LOOK SOUTH
TO CAP ℄ STA 184.1776 ON FUT. ST.
TO MH 1888
NORTH WALL LOOK NORTH
SEG. NO.: 1548-7796
T.G.M.: 14, D-5
MAP NO.: 2026
SCALE: 1"=40'
U.G. DESIGN ENGR.
EXCHANGE ENGR.
SUBWAY INSPECTOR:
B.R. TODD (714) 666-5518
C.A. FORKERT
P. HALLGREN (909) 359-2516
S. MURO (909) 359-2419
COMMENCED 19 COMPLETED 19 RECONCILED
DATE REVISIONS
PACIFIC BELL
RIVERSIDE EXCHANGE
ORANGE C.O. AREA
INSPECT AND ACQUIRE
ROUTINE DATE OFFICE FIELD
PREPARED
CHECKED
APPROVED
APPROVED
DWG. LB(29) 7048W
DWG 1. 1551
INDEXED 7-7-99 GH
R-3329-T

CONSTRUCTION NOTES

SEE DWG. 1



TRENCH LINE CURVE DATA

NO.	R	L	Δ
⑥	25'	37.80'	86°38'14"

① PL. 109' 4-4" DU.
TYPE _____

② PL. 627' 2-4" DU.
TYPE _____
W.W.= 951'

③ PL. 236' 2-4" DU.
TYPE _____
W.W.= 826'

④ PL. 42' 2-4" DU.
TYPE _____
W.-CAP= 366'

SEG. NO.: 1548-7796
T.G.M.: 14, D-5
MAP NO.: NEW
SCALE: 1"=40'

U.G. DESIGN ENGR.: B.R. TODD (714) 666-5518
C.A. FORKERT
EXCHANGE ENGR.: P. HALLGREN (909) 359-2516
SUBWAY INSPECTOR: S. MURO (909) 359-2419

COMMENCED _____ 19__ COMPLETED _____ 19__ RECONCILED _____

DATE	REVISIONS

PACIFIC BELL
RIVERSIDE EXCHANGE
ORANGE C.O. AREA
INSPECT AND ACQUIRE

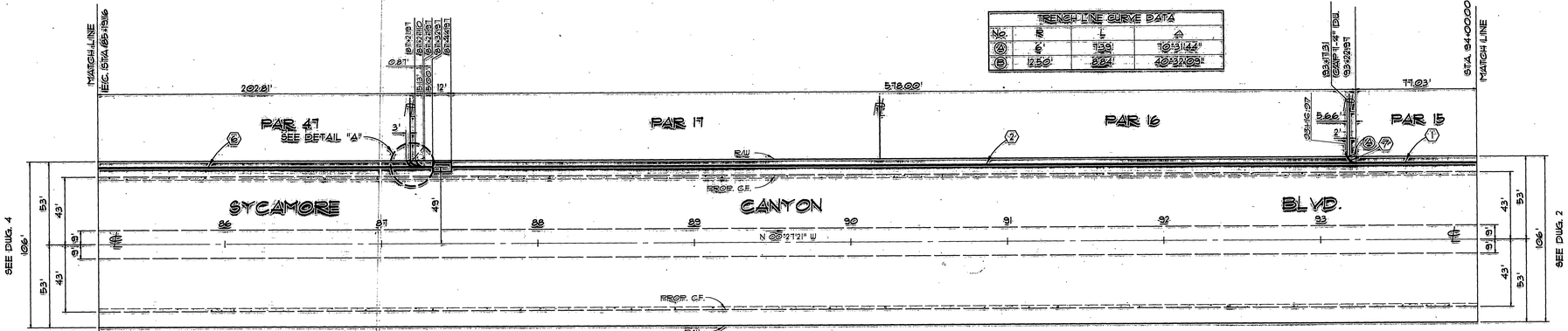
ROUTINE	DATE	OFFICE	FIELD
PREPARED			
CHECKED			
APPROVED			
APPROVED			

DWG. LB(29) 7048W
DWG 4. 188.1

JN. 2944

CONSTRUCTION NOTES

SEE DWG. 1



① PL. 77' 3-4" DU.
TYPE _____
W.W. = 896'

② PL. 584' 2-4" DU.
TYPE _____

③ PL. 5' 9-4" DU.
TYPE _____

④ PL. 1' 8-4" DU.
TYPE _____

⑤ PL. 5' 5-4" DU.
TYPE _____

⑥ PL. 204' 4-4" DU.
TYPE _____
W.W. = 951'

⑦ PL. 1' 1-4" DU.
TYPE _____
W. -CAP = 319'

⑧ PL. 1' 1-4" DU.
TYPE _____
W. - CAP = 13'

⑨ PL. 12' 3-4" DU.
TYPE _____
W. - S.A.I. = 18'

⑩ PL. 1' 1-4" DU.
TYPE _____
W. - CAP = 18'

U.G. DESIGN ENGR.: B.R. TODD (714) 666-5518
C.A. FORKERT
EXCHANGE ENGR.: P. HALLGREN (909) 359-2516
SUBWAY INSPECTOR: S. MURO (909) 359-2419

COMMENCED _____ 19__ COMPLETED _____ 19__ RECONCILED _____

DATE	REVISIONS

PACIFIC BELL
RIVERSIDE EXCHANGE
ORANGE C.O. AREA
INSPECT AND ACQUIRE

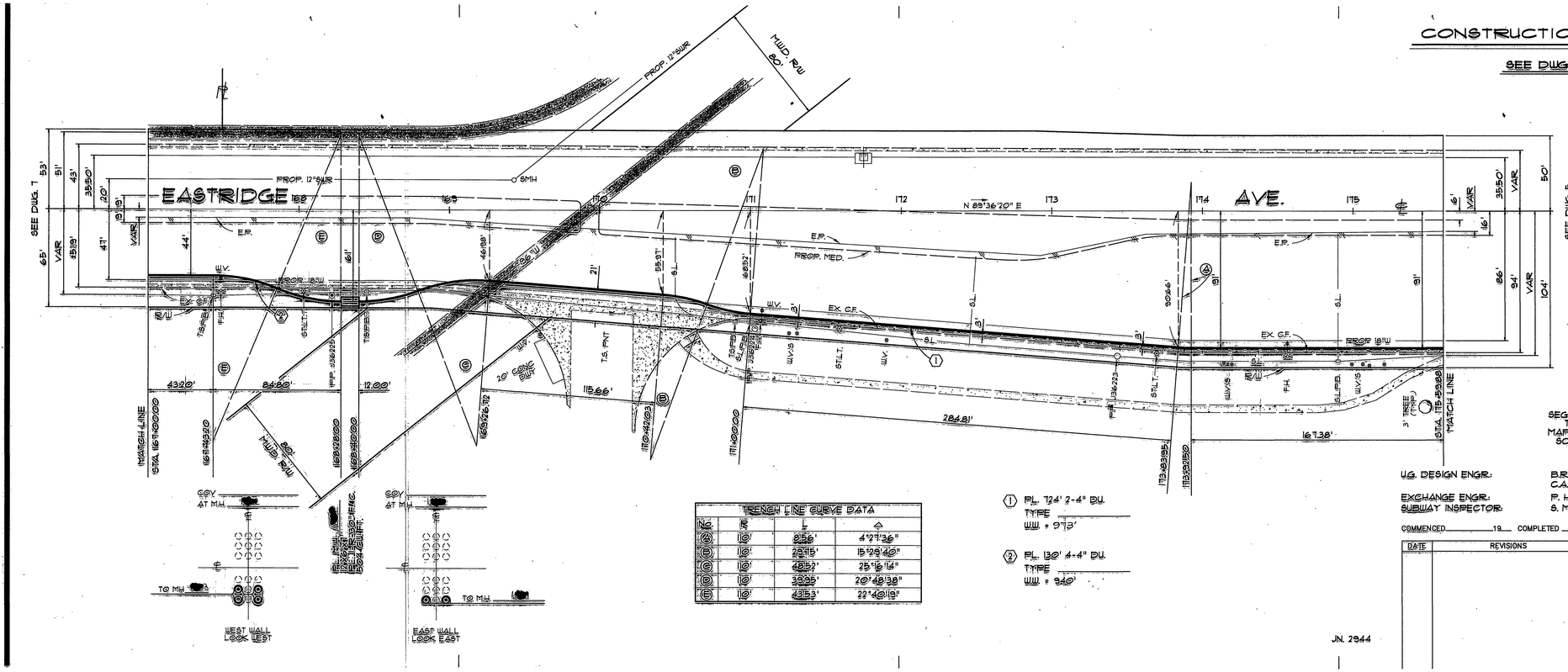
ROUTINE	DATE	OFFICE	FIELD
PREPARED			
CHECKED			
APPROVED			
APPROVED			

DWG. LB(29) 7048W
DWG 3. 188.1

JN. 2944

INDEXED 7-7-99 GH

R-3329-T



TRENCH LINE CURVE DATA			
No.	R	L	Δ
Ⓐ	10'	8.56'	4°27'36"
Ⓑ	10'	28.15'	15°29'40"
Ⓒ	10'	42.52'	25°16'14"
Ⓓ	10'	33.35'	20°48'38"
Ⓔ	10'	43.53'	22°40'19"

① PL. 724' 2-4" BU.
TYPE
WW = 973'

② PL. 130' 4-4" BU.
TYPE
WW = 340'

U.G. DESIGN ENGR.: B.R. TODD (714) 666-5518
C.A. FORKERT
EXCHANGE ENGR.: P. HALLGREN (909) 359-2516
SUBWAY INSPECTOR: S. MURO (909) 359-2419

COMMENCED 19 COMPLETED 19 RECONCILED

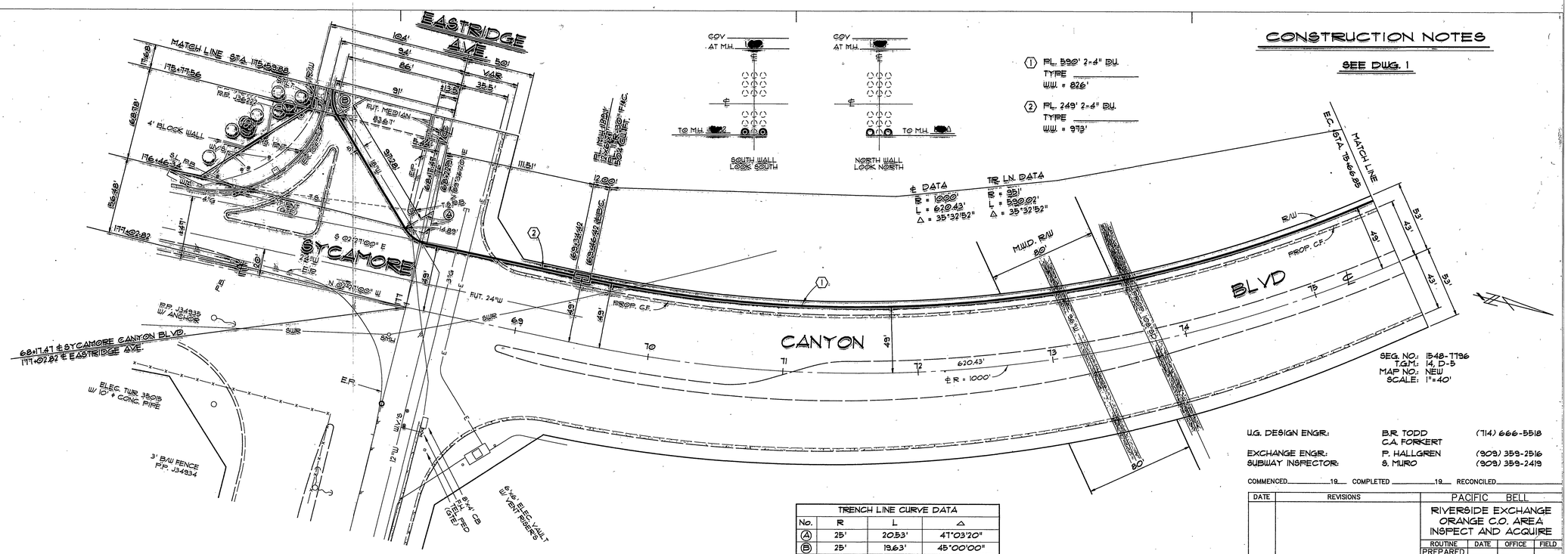
DATE	REVISIONS

PACIFIC BELL
RIVERSIDE EXCHANGE
ORANGE C.O. AREA
INSPECT AND ACQUIRE

ROUTINE	DATE	OFFICE	FIELD
PREPARED			
CHECKED			
APPROVED			
APPROVED			

DWG. LB(29) 7048W
DWG 6. 188.1

JN. 2944



TRENCH LINE CURVE DATA			
No.	R	L	Δ
Ⓐ	25'	20.53'	47°03'20"
Ⓑ	25'	19.63'	45°00'00"

① PL. 530' 2-4" BU.
TYPE
WW = 826'

② PL. 249' 2-4" BU.
TYPE
WW = 973'

U.G. DESIGN ENGR.: B.R. TODD (714) 666-5518
C.A. FORKERT
EXCHANGE ENGR.: P. HALLGREN (909) 359-2516
SUBWAY INSPECTOR: S. MURO (909) 359-2419

COMMENCED 19 COMPLETED 19 RECONCILED

DATE	REVISIONS
	INDEXED 7-7-94 GH

PACIFIC BELL
RIVERSIDE EXCHANGE
ORANGE C.O. AREA
INSPECT AND ACQUIRE

ROUTINE	DATE	OFFICE	FIELD
PREPARED			
CHECKED			
APPROVED			
APPROVED			

R-3329-T

DWG. LB(29) 7048W
DWG 5. 188.1

JN. 2944

PAR 6

PAR 7

PAR 10

PAR 9

LANCE

EASTRIDGE AVE.

DR

SEE DETAIL "A"

155+29.92 ℄ EASTRIDGE AVE.
16+26.71 ℄ LANCE DR.

(1) PL. 179' 4-4" DU.
TYPE _____

(2) PL. 166' 2-4" DU.
TYPE _____
WW.= 576'

(3) PL. 113' 4-4" DU.
TYPE _____

(4) PL. 53' 2-4" DU.
TYPE _____
W.-P.U.= 166'

(5) PL. 319' 2-4" DU.
TYPE _____
WW.= 616'

(6) PL. 4' 3-4" DU.
TYPE _____

(7) PL. 118' 3-4" DU.
TYPE _____

(8) PL. 124' 2-4" DU.
TYPE _____
W.- CAP = 242'

(9) PL. 7' 1-4" DU.
TYPE _____
W.- CAP = 11'

(10) PL. 7' 1-4" DU.
TYPE _____
W.- CAP = 7'

(11) PL. 70' 1-4" DU.
TYPE _____
W.- CAP = 188'

TRENCH LINE CURVE DATA			
No.	R	L	Δ
(A)	25'	39.27'	90°00'00"
(B)	25'	39.37'	90°14'20"
(C)	6'	7.39'	70°31'44"

DETAIL "A"
SCALE: 1" = 10'

SOUTH WALL
LOOK SOUTH

NORTH WALL
LOOK NORTH

SEE DWG. 7

CONSTRUCTION NOTES

SEE DWG. 1

* MINIMUM COVER FOR MH.
30" BELOW FUTURE GRADE.

COV AT M.H. 1.5

TO PICK-UP ⌀ STA. 154+64.92

SOUTH WALL
LOOK SOUTH

SEG. NO.: 1548-T796
T.G.M.: 14, D-5
MAP NO.: NEW
SCALE: 1"=40'

U.G. DESIGN ENGR.: B.R. TODD (714) 666-5518
C.A. FORKERT
EXCHANGE ENGR.: P. HALLGREN (909) 359-2516
SUBWAY INSPECTOR: S. MURO (909) 359-2419

COMMENCED _____ 19__ COMPLETED _____ 19__ RECONCILED _____

DATE	REVISIONS

PACIFIC BELL
RIVERSIDE EXCHANGE
ORANGE C.O. AREA
INSPECT AND ACQUIRE

ROUTINE	DATE	OFFICE	FIELD
PREPARED			
CHECKED			
APPROVED			
APPROVED			

DWG. LB(29) 7048W
DWG 8. 188.1

JN. 2944

RIVER

EASTRIDGE AVE.

RUN

(1) PL. 498' 4-4" DU.
TYPE _____
WW. = 940'

(2) PL. 322' 8-4" DU.
TYPE _____

(3) PL. 118' 6-4" DU.
TYPE _____

(4) PL. 101' 2-4" DU.
TYPE _____

(5) PL. 16' 1-4" DU.
TYPE _____
W.-CAP = 11'

(6) PL. 16' 1-4" DU.
TYPE _____
W.-CAP = 117'

(7) PL. 141' 2-4" DU.
TYPE _____
W.-CAP = 483'

(8) PL. 43' 2-4" DU.
TYPE _____
W.-CAP = 365'

(9) PL. 12' 3-4" DU.
TYPE _____
W.-S.A.I.= 12'

CONSTRUCTION NOTES

SEE DWG. 1

DETAIL "A"
NOT TO SCALE

SEE DWG. 6

MATCH LINE
E.C. STA. 151+31.82

SEE DWG. 8

TRENCH LINE CURVE DATA			
No.	R	L	Δ
(A)	110'	23.49'	12°14'09"
(B)	25'	39.19'	89°48'22"
(C)	25'	39.35'	90°11'38"
(D)	25'	38.86'	89°03'30"
(E)	12.5'	1.86'	8°30'23"
(F)	12.5'	7.21'	33°03'07"
(G)	12.5'	9.07'	41°33'30"
(H)	12.5'	8.84'	40°32'09"

SEG. NO.: 1548-T796
T.G.M.: 14, D-5
MAP NO.: NEW
SCALE: 1"=40'

U.G. DESIGN ENGR.: B.R. TODD (714) 666-5518
C.A. FORKERT
EXCHANGE ENGR.: P. HALLGREN (909) 359-2516
SUBWAY INSPECTOR: S. MURO (909) 359-2419

COMMENCED _____ 19__ COMPLETED _____ 19__ RECONCILED _____

DATE	REVISIONS
	INDEXED 7-7-94 GH
	R-3320-T

PACIFIC BELL
RIVERSIDE EXCHANGE
ORANGE C.O. AREA
INSPECT AND ACQUIRE

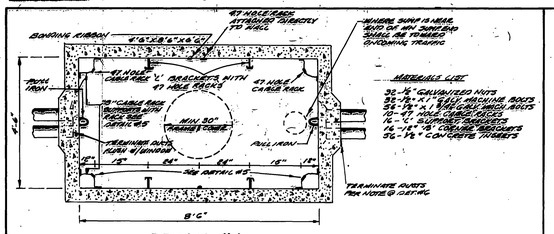
ROUTINE	DATE	OFFICE	FIELD
PREPARED			
CHECKED			
APPROVED			
APPROVED			

DWG. LB(29) 7048W
DWG 7. 188.1

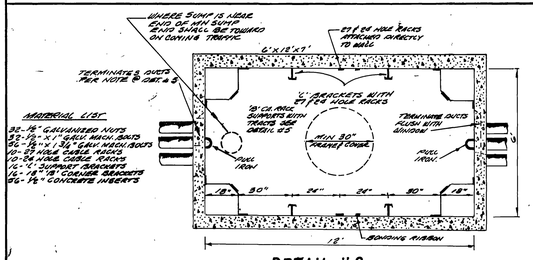
JN. 2944

PACIFIC BELL
NEVADA BELL

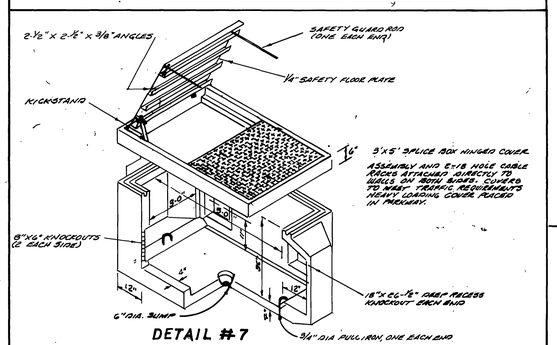
CP0065 (REV. 2-84)
(REF: BSP 928-100-080 PT)



DETAIL #1
MANHOLE, SINGLE BAY, SINGLE RACK

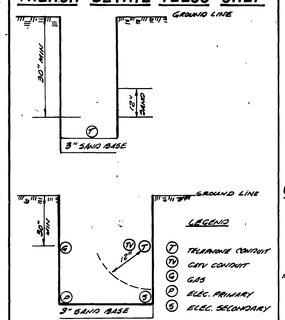


DETAIL #2
MANHOLE, SINGLE BAY, SINGLE RACK



DETAIL #7

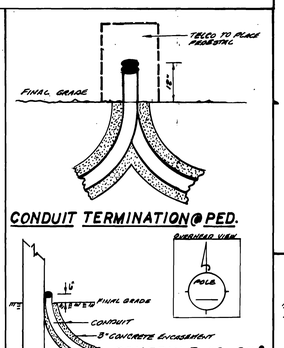
TRENCH DETAIL TELCO ONLY



DEVELOPER TO:

- MAINTAIN MINIMUM COVER OF 30" IN PUBLIC DOMAIN, ON PRIVATE PROPERTY.
- MAINTAIN MINIMUM 12" FROM ALL TRENCH OCCUPANTS EXCEPT CATV. FOR CALIFORNIA PUBLIC UTILITY COMMISSION GENERAL ORDER 128
- ALL TRENCH BACKFILL MATERIAL, SEE CONDUIT #4, AND COMPACTION TO BE IN ACCORDANCE WITH MUNICIPAL, COUNTY, & CALIFORNIA STATE.
- TRENCH TO BE INSPECTED AND ACCEPTED BY TELEPHONE COMPANY TRENCH INSPECTOR PRIOR TO BACKFILL.
- VERIFY THE LOCATION OF TELEPHONE COMPANY SUBSTRUCTURES BEFORE EXCAVATION.

1-800-422-4133

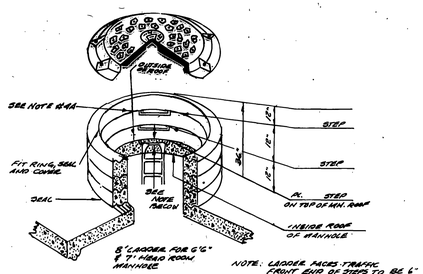


DEVELOPER TO:

- MAINTAIN MINIMUM CONDUIT RADIUS FOR INSIDE DIAMETER OF CONDUIT.
- STRAP CONDUITS TO ELBOW ABOVE GROUND LINE
- PLACE WEATHERPROOF CAP ON END OF ALL CONDUITS
- MAINTAIN MINIMUM COVER OF 30" IN PUBLIC DOMAIN, ON PRIVATE PROPERTY
- PLACE CONDUIT IN QUADRANT SHOWN IN OVERHEAD VIEW OF POLE
- VERIFY THE LOCATION OF TELEPHONE COMPANY SUBSTRUCTURES BEFORE EXCAVATION. CALL:

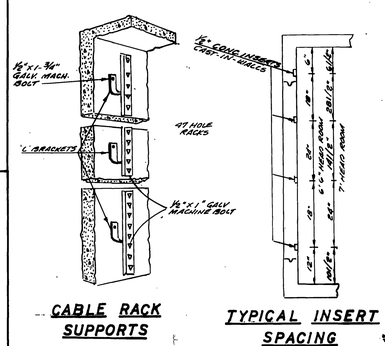
1-800-422-4133

TYPE SB 30" F & C FOR TRAFFIC LOADING OR DIRT
TYPE R 30" TO BE USED FOR SIDEWALKS ONLY SEE DETAIL #8



NOTE: LADDER FACES TRAFFIC FRONT END OF STEPS TO BE 6" FROM INSIDE SURFACE OF NECK.

DETAIL # 4
MANHOLE NECK & LID

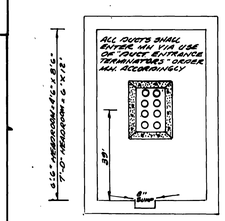


CABLE RACK SUPPORTS

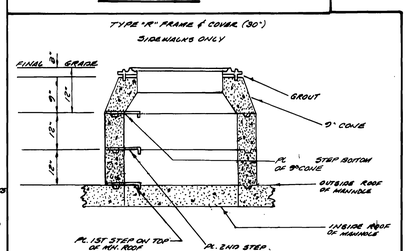
TYPICAL INSERT SPACING

DETAIL # 3

NOTE: SEE CONSTRUCTION DRAWING FOR END WALL DETAILS

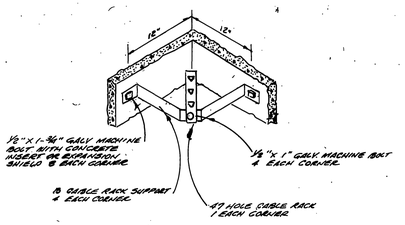


END WALL DUCT TERMINATING
DETAIL #6



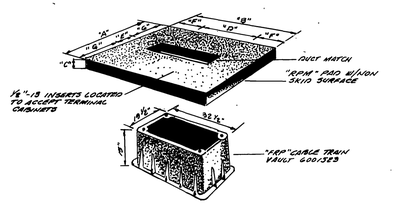
DETAIL # 8

TYPICAL DETAIL #3 & #5



NOTE:
19'3-CS MH-18'-8 CABLE RACK SUPPORTS AND 47 HOLE RACKS
38Y40 46-1 MH-18'-8 CABLE RACK SUPPORTS AND 29 & 24 HOLE RACKS

DETAIL # 5
RACKING



A	B	C	D	E	F	G	PART NUMBER	APPROX. WT	REMARKS
24"	36"	3"	29"	8"	18⅝"	8"	6001527	70#	TELCO USE
18"	54"	4"	28"	9"	13"	19⅝"	6001563	170#	TELCO USE

TELEPHONE PEDESTAL PADS
DETAIL # 9

1. THE DEVELOPER WILL CONSTRUCT TO PACIFIC BELL'S SPECIFICATIONS
2. THE DEVELOPER SHALL BE RESPONSIBLE FOR LOSS OF MATERIAL, FOR UNREASONABLE DAMAGE, BREAKAGE AND ANY LIABILITY IN CONJECTION WITH ANY MATERIAL FURNISHED BY PACIFIC BELL.
3. THE DEVELOPER IS RESPONSIBLE FOR THE COST OF REPAIR, REPLACEMENTS OR RELOCATIONS MADE NECESSARY BY DAMAGE TO TELEPHONE FACILITIES UNTIL THE PRODUCT IS COMPLETED.
4. A. CALL CONDUIT INSP. _____ TEN WORKING DAYS PRIOR TO START OF CONSTRUCTION.
   B. CALL TELE. ENGR. _____ TEN WORKING DAYS PRIOR TO START OF CONSTRUCTION

UNDERGROUND DETAILS FOR:

_____
_____
ENGR. _____
PHONE _____ DATE _____

MANHOLES

1. THE TOP OF MANHOLE ROOF SHALL BE A MINIMUM OF 24" BELOW GUTTER FLOWLINE EXCEPT STATE HIGHWAY WHICH REQUIRES 42" OF COVER FROM FINAL SURFACE.
2. CONDUIT ENTRANCE INTO MANHOLES TO BE PLACED AS SHOWN IN DETAIL #6 USE DUCT TERMINATORS AS SHOWN ON CONSTRUCTION DRAWINGS ORDER MANHOLE ACCORDINGLY.
3. THE NECK (COLLAR) OF MANHOLE MAY BE CONSTRUCTED OF EITHER PRECAST SECTIONS OR BRICK AND MORTAR DETAIL.
4. STEPS IN MH NECKS (COLLARS) WILL BE LOCATED AS FOLLOWS:
   A. MANHOLE STEPS SHALL BE PLACED AT 18" INTERVALS - SEE TELEPHONE INSPECTOR FOR ADDITIONAL INFORMATION - SEE DETAILS #4 & 8
5. RACKING - SEE DETAILS #3-1, 2, 3, 5, 6, 7.
6. ALL MANHOLE BEAMS WILL BE GROUTED. MH NECKS GROUTED & PAINTED.
7. INSIDE MANHOLES WILL BE PAINTED WHITH WHITE MASONRY PAINT (ORDER ACCORDINGLY).
8. FRAME, COVER, CABLE RACKING, LADDERS, ETC. CAN BE ORDERED DIRECTLY - SEE DETAILS ORDER FROM:
   A. ALHAMBRA FOUNDRY, 1147 MERIDIAN, ALHAMBRA 91803, 213-289-4294
   B. QUIKSET, 4301 E. MACARTHUR BLVD., SANTA ANA, CALIF. 92704 714-557-7470
   C. BROOKS PRODUCTS, INC., 10111 OCNEY ST. EL MONTE, CAL. 91734, 213-443-3019
   D. SEE BELOW

APPROVED MANHOLES

1 TO 6 MAIN DUCTS DO NOT INCLUDE CATERERS	6'-6"x8'x6'6" - MONOLITHIC BROOKS 31 OR MTB-PY & B SERIES - PRECAST QUIKSET 7'x8'-PDT SERIES - PRECAST UTILITY PT-41-86-78 SERIES - PRECAST	PTT SPEC. NO PT3-49
7 TO 12 MAIN DUCTS DO NOT INCLUDE CATERERS	6'x12'x7' - MONOLITHIC BROOKS 4000 PM SERIES - PRECAST QUIKSET 312'x-1'-7' - PRECAST UTIL. PT-41-86 SERIES - PRECAST	PTT SPEC NO. PT3-49 & 6-1
INTERSECT / RUN OF DUCTS SERVING SINGLE MH OR NO LARGER THAN 23" IN ANY AREA NOT SUBJECT TO VEHICULAR TRAFFIC	3'x3'x14" SPLICE BOX BROOKS, QUIKSET, UTILITY	

10. UTILITY VAULT CO. P.O. BOX 1390, FONTANA, CAL. 92335, 714-350-2675

CONDUIT

1. ALL TRENCH OR EXCAVATION OF 30 FT OR LESS IN NON-METALLIC CONDUIT MUST BE CONCRETE ENCASED 3½ SACK PEA GRAVEL.
2. COVER OVER CONDUIT SHALL BE A MINIMUM OF 30" FROM STREET GUTTER FLOWLINE, IN PUBLIC STREET OR INTERCEPTION AT PROPERTY LINE.
3. THE CONDUIT TRENCH MUST BE FREE OF ALL LARGE STONES, ROCKS OR OTHER JAGGED PIECES OF MATERIAL WITH BOTTOM COMPACTED AND SMOOTH BEFORE PLACING CONDUIT IN TRENCH.
4. ALL BACKFILL 12" ABOVE CONDUIT SHALL BE SAND OR SE 30 ENCASED.
5. AT LEAST 24" OF LOOSE FILL ON FIRST LIFT SHALL BE PLACED BEFORE ANY MACHINE TAMPER IS USED. ELIMINATING CRUSHED CONDUIT.
6. THE DEGREE OF COMPACTION TO BE AS SPECIFIED BY MUNICIPAL ORDINANCE.
7. ANY REPAVING REQUIRED SHALL BE AS SPECIFIED BY MUNICIPAL ORDINANCE.
8. CLEARANCES FROM ELECTRICAL SUBSTRUCTURES SHALL BE A MINIMUM OF 12" OF COMPACTED DIRT OR 3" OF CONCRETE EXCEPT WHERE NOTED OTHERWISE.
9. CLEARANCES FROM ALL OTHER FOREIGN SUBSTRUCTURES SHALL BE A MINIMUM OF 12" WHEN PARALLELING AND 6" WHEN CROSSING.
10. PULLING LINE MUST BE PROVIDED IN ALL DUCTS. USE ⅜" POLY OR CABLEAY.
11. ALL CONDUIT MUST BE PROVEN BY MANDRELLING BEFORE IT WILL BE ACCEPTED BY PACIFIC BELL.
12. WALL TO WALL MEASUREMENTS MUST BE PROVIDED TO PACIFIC BELL, USING METAL MEASURING DEVICE.

APPROVED CONDUIT MATERIAL

MH TO MH OR PB	SUBSIDIARY CONDUIT
4"-B - PLASTIC (CONC. ENCASED) ASTM 3035 DR 14 PLASTIC 4"-C - PLASTIC (SAND OR SE 30 ENCASED)	4"-B - PLASTIC (CONC. ENCASED) 4"-C - PLASTIC (SAND OR SE 30 ENCASED)

TWO DAYS BEFORE YOU DIG
CALL **USA** TOLL FREE
800-422-4133

NOT TO BE REDUCED!

DATE	REVISIONS	PACIFIC BELL
4/5/88	UP DATED	

	ROUTINE	DATE	OFFICE	FIELD
PREPARED				
CHECKED	4/6/88		2830	
APPROVED				
DWG				

R-3329-T
INDEXED 7-7-94 GH