RIVERSIDE CALIFORNIA

CITY OF RIVERSIDE — INCORPORATED 1883

PUBLIC WORKS DEPARTMENT

ARLINGTON-TYLER STORM DRAIN

CONSTRUCTION LEGEND

CENTER LINE	——℄—— - ——	TOP OF SLOPE	
RIGHT-OF-WAY LINE	——R/W——	TOE OF SLOPE	
SUBDIVISION LOT LINE	——℞——	DIRECTION OF FLOW	

SPECIFIC CONSTRUCTION NOTES

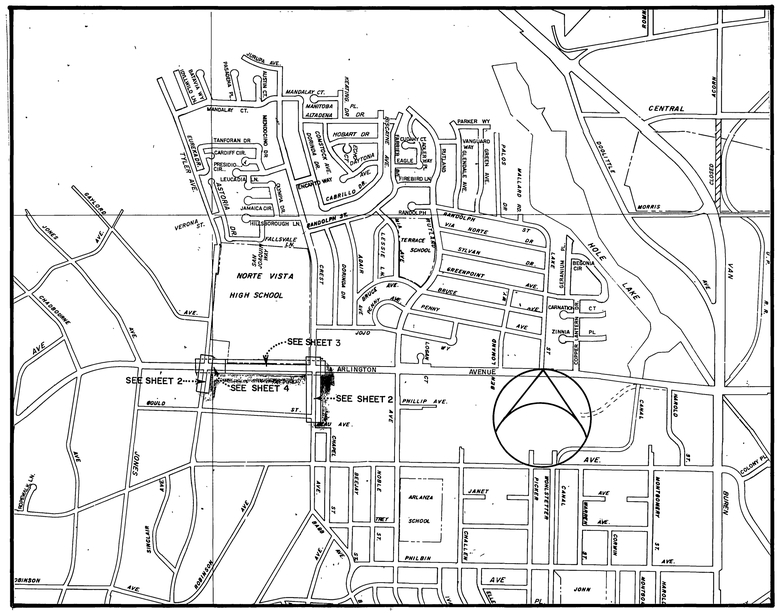
NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY, UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET BELOW. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.

OVERLAY EXISTING A.C. PAVEMENT WITH A VARIABLE THICKNESS OF ASPHALT CONCRETE. MINIMUM OVERLAY TO BE 3/4" THICK.

REMOVE EXISTING PAVEMENT AND REPLACE WITH 5 1/2" A.C. OVER 12" BASE OR 11 1/2" FULL DEPTH A.C. FOR ARLINGTON AND TYLER AND WITH 3 1/2" A.C. OVER 12" BASE OR 9" FULL DEPTH A.C. FOR CREST. THESE SECTIONS SHALL BE USED FOR TRENCH RESURFACING.

GENERAL CONSTRUCTION NOTES

1. EXISTING UTILITIES SHOWN ON PLANS ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT THEY ARE SHOWN ON THE PLANS. IF THE COVER OF A UTILITY IS KNOWN IT IS SHOWN IN THE PROFILE. UTILITIES SHOWN IN THE PROFILE AS <—T—> (UTILITY NAME) INDICATE THAT THE COVER IS UNKNOWN, BUT THE UTILITY IS NOT EXPECTED TO CONFLICT WITH THE IMPROVEMENTS.
2. ALL STRUCTURES ARE STATIONED FROM THE STREET STATIONING.
3. UTILITIES CROSSED BY PROPOSED STORM DRAIN PIPES TO BE LOCATED IN THE FIELD BY CONTRACTOR PRIOR TO ISSUANCE OF GRADE SHEETS. ANY SIDE DRAINS IN THE GRADE OF THE PROPOSED STORM DRAINS SHALL BE CONNECTED TO IT.
4. CONSTRUCTION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1976 EDITION.



PROJECT LOCATION PLAN

0 KM. 0.5 KM. 1 KM. 1.5 KM.

0' 500' 1000' 2000' 3000' 4000' 5000' 6000'

SCALE 1" = 1000'

EXISTING UNDERGROUND & TOPOGRAPHY LEGEND

EXISTING UNDERGROUND UTILITIES:

SANITARY SEWER	——8"S——	TELEPHONE CONDUIT	——T——T——
WATER LINE	——8"W——	ELECTRICAL CONDUIT	——E——E——
STORM DRAIN	——24" D——	STREET LIGHTING	——SL——SL——
GAS LINE	——3"G——	TRAFFIC SIGNAL	——SIG——SIG——
IRRIGATION LINE	——20" IRR——	FIRE ALARM	——F——F——

EXISTING TOPOGRAPHY:

- BLOCK WALL
- BOARD FENCE
- WIRE FENCE
- CHAIN LINK FENCE
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION OF FLOW

- SANITARY SEWER M.H.
- SANITARY SEWER CLEANOUT
- STORM DRAIN M.H.
- IRRIGATION WEIR
- WATER M.H.
- GAS M.H.
- ELECTRIC M.H.
- TELEPHONE M.H. OR VAULT
- WATER METER
- FIRE HYDRANT
- SPRINKLER HEAD
- VALVE
- AIR VALVE
- AIR VENT
- POLE & GUY ANCHOR
- ELECTRIC POLE
- TELEPHONE POLE
- JOINT USE POLE
- PULL BOX
- TRAFFIC SIGN
- PARKING METER
- FIRE ALARM BOX
- STREET NAME SIGN
- GAS METER
- MAIL BOX
- FAUCET
- TELEPHONE RISER
- WHEEL STOP
- A.C. BERM
- STEEL POST
- WOOD POST
- PEDESTRIAN PUSH BUTTON
- RAILROAD TRACKS
- RAILROAD SIGN
- RAILROAD SIGNAL
- STREET LIGHT & TRAFFIC SIGNAL ON MAST ARM
- STREET LIGHT (UPRIGHT)
- STREET LIGHT
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL ON MAST ARM
- TRAFFIC SIGNAL CONTROLLER
- TRAFFIC SIGNAL PRESSURE DETECTOR
- TRAFFIC SIGNAL LOOP DETECTOR

- CONCRETE
- ASPHALT
- EDGE OF PAVEMENT (asphalt) / (dirt)
- BUILDING
- UNDERGROUND STRUCTURE
- OVERHANGING STRUCTURE

- CITRUS TREE
- OR DECIDUOUS TREE
- OR PALM TREE
- OR SHRUBBERY
- TREE STUMP
- EVERGREEN TREE

AS BUILT S.K. 2/21/80

INDEX OF

AGREEMENT No. 09-578-409

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT				Arlington-Tyler Storm Drain	D-348
APPROVED BY	BY	DATE	APPROVED BY:		SHEET 1 OF 5 SHEETS
PRINCIPAL ENGINEER		1/2/79	PUBLIC WORKS DIRECTOR		
~~PARK DEPARTMENT~~			DATE 1/3/79	DESIGNED BY REH DRAWN BY JN CHECKED BY DJR	
TRAFFIC DIVISION					
CHIEF P.W. ENGINEER		1-2			

EXISTING PAVEMENT OVER ℄ OF PIPE

EXISTING PAVEMENT OVER ℄ OF PIPE

4'-6'DIA.-36"R.C.P.

181'-30"R.C.P. 1760 D

113'-30"R.C.P. 1760 D

122'-27"R.C.P. 1760D

294'-21"R.C.P. 1760 D

271'-27"R.C.P. 1760 D

STA. 8+00.00

STA. 9+00.00

STA. 7+25.00 SEE DETAIL 4 SHT. 4

STA. 6+00.00

STA. 5+25.00

STA. 3+44.82 CREST STA. 10+00.00 GOULD

SEE SHEET 5 FOR ST. DETAIL

TELEPHONE CONDUIT

12" WATER

8"-VCP SEWER @ 4%

8" SEWER

8" SEWER

8" WATER

8" GAS

SMALL

18" INLET (NO) ℄ STA. 9+18.67

18" INLET (NO) ℄ STA. 5+19

18" INLET (NO) ℄ STA. 7+10

18" INLET (NO) ℄ STA. 3+10

Q=33 C.F.S. S=0.015

Q=30 C.F.S. S=0.001

Q=117 C.F.S. S=0.0125

Q=30 C.F.S.

7+10 W.S.L.=5 V=5.00 SEE DETAIL 1, SHT. 4

MATCH EXIST. T.C. ℄ E.

77.75 T.C. 77.25 E.

MATCH EXIST. T.C. AND E.

MATCH TO SHEET 5

FUTURE C.P.

FUTURE C.P. TO BE INSTALLED BY OTHERS.

SEE DETAIL 2 SHT. 4 FOR LATERAL SECTION

6-18"ø CMP END PIPE.

SEE DETAIL 5, SHT. 4

SEE DETAIL 6, SHT. 4

ST. NAME SIGN

GRADE TO DRAIN

GRADE TO DRAIN

R=100.00' Δ=37°04'07" L=64.70' T=33.68'

R=100.00' Δ=45°00'54" L=78.57' T=41.44'

→ REMOVE CONCRETE BULKHEAD

STA. 9+18.67 ℄ E.C. STA. 6+68.00 ARLINGTON

STA. 9+18.67 ℄ E.C.

STA. 10+00.00 TYLER STA. 6+68.00 ARLINGTON

STA. 10+00.00 CREST STA. 4+01.16 ARLINGTON

STA. 10+54.24 CREST STA. 4+45.54 ARLINGTON

STA. 10+43.24 ARLINGTON STA. 4+34.54 ℄ CONSTRUCTION

STA. 10+00.61 E.C. STA. 9+42.07 ℄

STA. 10+54.24 CREST STA. 4+45.54 ARLINGTON

TYLER STREET N8°26'23"E

CREST AVENUE N0°29'36"E

ARLINGTON AVENUE

GOULD STREET

ARLINGTON AVE.

6380 6238 6270 6242 6240 6238 6208

9+69.69 GOULD Y=4.85 SEE DETAIL 5, SHT. 4

9+11.66 GOULD Y=4.70 SEE DETAIL 6, SHT. 4

-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
Inyo County	714-684-0071	714-547-6606
San Bernardino County	714-684-0071	714-547-6606
Los Angeles County	213-621-3111	24 HOUR SERVICE
Ventura County	213-621-3111	
San Diego County	714-298-0555	714-232-0027

FOR FREE CABLE LOCATING SERVICE

★ AS BUILT S.K. 2/21/80

MARK | REVISIONS | APPR. | DATE

DESIGNED BY REH DRAWN BY DV CHECKED BY DLR

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY PRINCIPAL ENGINEER — APPROVED BY PUBLIC WORKS DIRECTOR
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P. W. ENGINEER
DATE 1/3/79

Arlington-Tyler Storm Drain

INDEX 4F

ACCOUNT NO. 09-513-409

D-348

SHEET 2 OF 5

HORIZ. SCALE: 1" - 40' VERT. SCALE: 1" - 4'

FILE NO.

775
770
765
760
755
750
745
740

MATCH TO SHEET 4

60.42 E.E.

60.82 H.G.L.

60.82 H.G.L.

EXISTING PAVEMENT OVER ℄ OF PIPE

HYDRAULIC GRADE LINE

S=0.013

18" INLET (2)
E=59.55 RT

E=74 E

18" INLET (2)
E=57.55 RT

63.32 E.E.

Q=159 C.F.S.

S=0.013

63.48 H.G.L.

63.12 E.E.

S=0.013

51.01 H.G.L.

50.79 H.G.L.

45.75 E.E.

45.85 E.E.

EXISTING
54" R.C.P.

98'-48" R.C.P.
1500 D

395'-48" R.C.P.
1500 D

395'-48" R.C.P.
1500 D

221'-48" R.C.P.
1500 D

430

49+00.00 AHEAD
49+01.76 BACK

58 57 56 55 54 53 52 51 50 49 48 47 46

NORTE VISTA HIGH SCHOOL

AT STATION 58+00

405

W.H.V. 59+44.50
611.15
SEE DETAIL 7

ARLINGTON AVENUE N89°29'30"W

MATCH TO SHEET 4

53+85 W.H.V. 59+44.50
SEE DETAIL 11, SHT 5

51+00.00

53+00.00

49+00.00 E.C. AHEAD
49+01.76 E.C. BACK

Δ=28°01'32"
R=250.00'
T=50.92'
L=100.47'

46+58.10
SEE IN PIPE

46+59.69

46+78.66
SEE IN CONSTRUCTION

REMOVE PLUG

ARLINGTON AVENUE

47'

45'

20'

57'

45'

20'

48+00.41 E.C.

47+00.00

SEE SHEET 2 FOR CREST LATERAL

45' 20' 20' 35'

MEET EXIST.

℄ ARLINGTON

PROPOSED GRADE @ ℄

EXIST. GROUND @ ℄ CREST

OVERLAY X- GUTTER

60
59
58

℄ PROFILE - CREST AVE.

INDEX #5

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PACIFIC TELEPHONE
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CALL COLLECT:
7:30 A.M. to 5 P.M. — After Hours & Holidays

Orange County	714-633-0811	714-547-6606
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San Bernardino County	714-684-0071	714-547-6606
Los Angeles County	213-621-3111	24 HOUR SERVICE
Ventura County	213-621-3111	
San Diego County	714-298-0595	714-232-0227

FOR FREE CABLE LOCATING SERVICE

★ AS BUILT G.K. 2/21/80

MARK	REVISIONS	APPR.	DATE

DESIGNED BY REH DRAWN BY JV CHECKED BY DLR

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY		
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF F.W. ENGINEER		

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 1/3/79

Arlington-Tyler Storm Drain

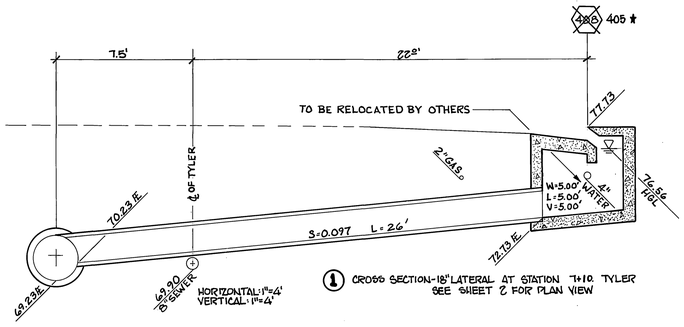
ACCOUNT NO. 09-513-409

D-348

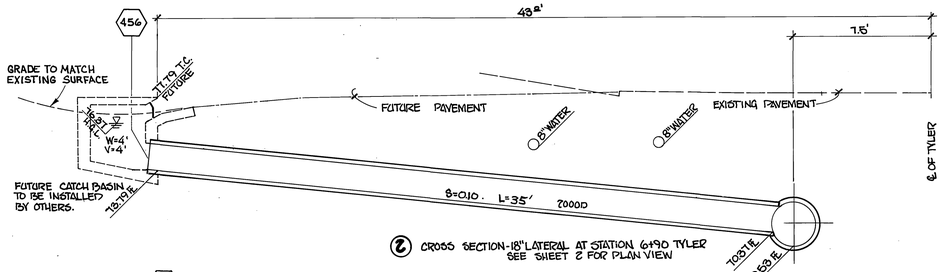
SHEET 3 OF 5

HORIZ. SCALE: 1" - 40' VERT. SCALE: 1" - 4'

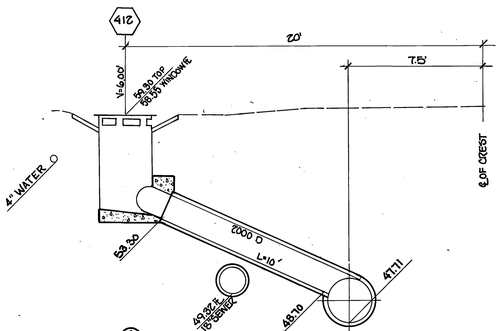
FILE NO.



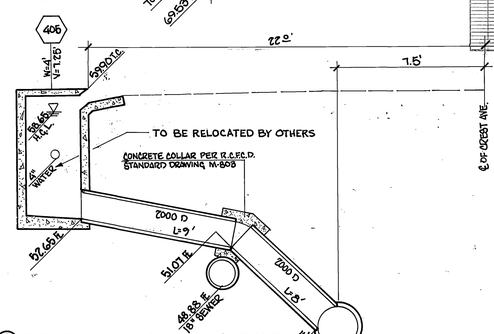
1 CROSS SECTION-18" LATERAL AT STATION 7+10 TYLER
SEE SHEET 2 FOR PLAN VIEW



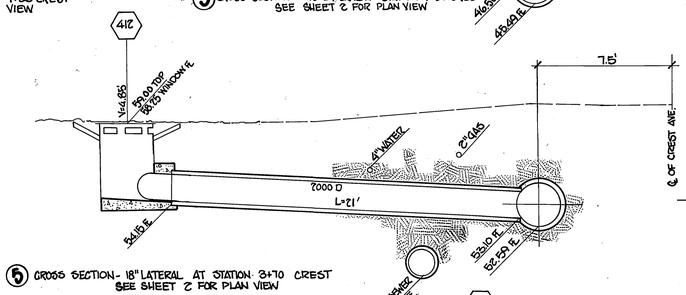
2 CROSS SECTION-18" LATERAL AT STATION 6+90 TYLER
SEE SHEET 2 FOR PLAN VIEW



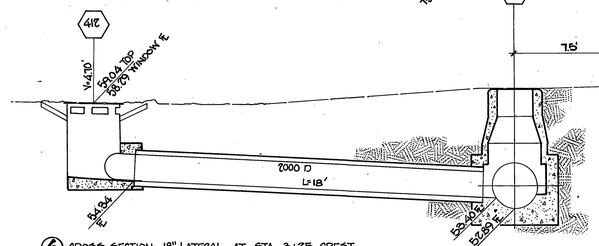
4 CROSS SECTION-18" LATERAL AT STATION 7+25 CREST
SEE SHEET 2 FOR PLAN VIEW



3 CROSS SECTION OF 18" LATERAL AT STATION 9+29 CREST
SEE SHEET 2 FOR PLAN VIEW

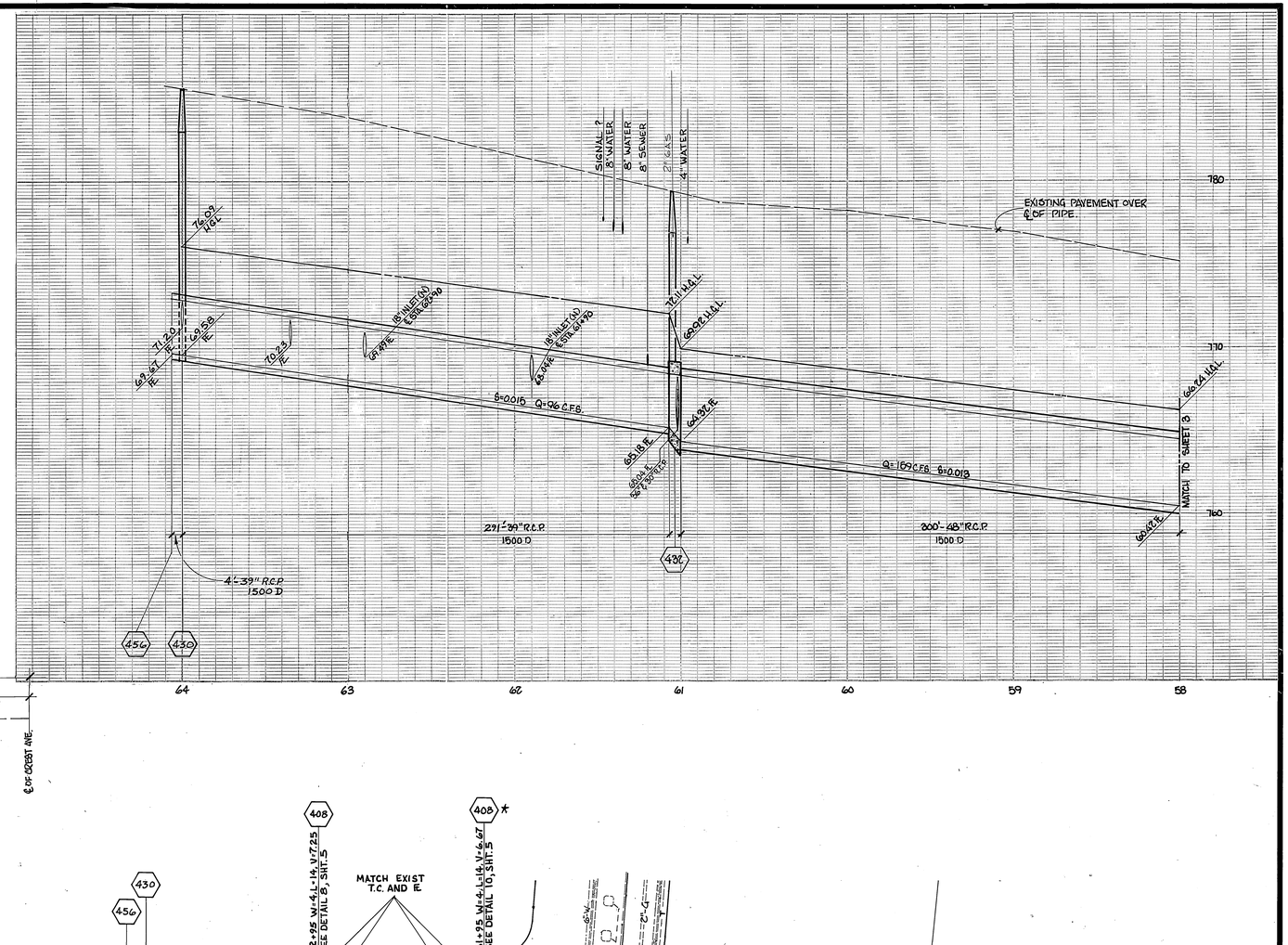


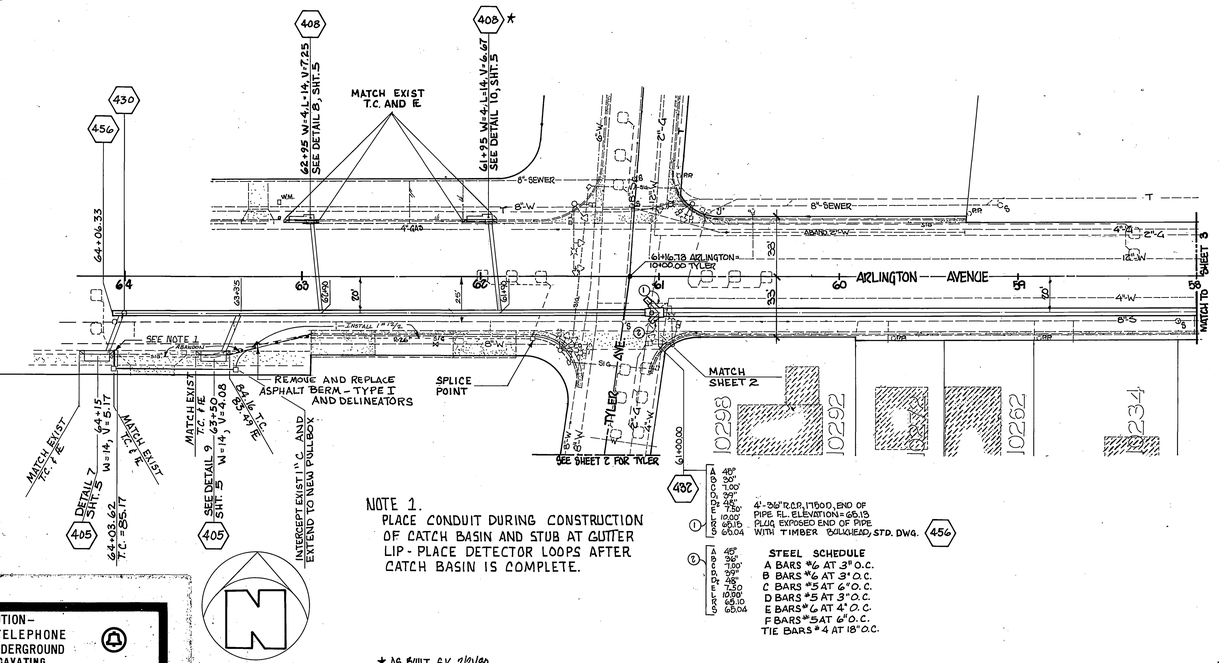
5 CROSS SECTION- 18" LATERAL AT STATION 3+70 CREST
SEE SHEET 2 FOR PLAN VIEW



6 CROSS SECTION- 18" LATERAL AT STA. 3+25 CREST
SEE SHEET 2 FOR PLAN VIEW

SCALE:
HORIZONTAL- 1"=4' VERTICAL- 1"=4'





NOTE 1.
PLACE CONDUIT DURING CONSTRUCTION OF CATCH BASIN AND STUB AT GUTTER LIP - PLACE DETECTOR LOOPS AFTER CATCH BASIN IS COMPLETE.

4'-36" R.C.P. 1500D, END OF PIPE EL. ELEVATION = 65.13
PLUG EXPOSED END OF PIPE WITH TIMBER BULKHEAD, STD. DWG. 456

STEEL SCHEDULE

	A	B	C	D	E	F	TIE BARS
1	48"	36"	7.00'	7.00'	7.50'	10.00'	65.10
2	48"	36"	7.00'	7.00'	7.50'	10.00'	65.04

A BARS #6 AT 3" O.C.
B BARS #6 AT 3" O.C.
C BARS #5 AT 6" O.C.
D BARS #5 AT 3" O.C.
E BARS #6 AT 4" O.C.
F BARS #5 AT 6" O.C.
TIE BARS #4 AT 18" O.C.

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Ventura County	213-621-3111	
San Diego County	714-298-0595	714-232-0027

FOR FREE CABLE LOCATING SERVICE

★ AS BUILT S.K. 2/21/80

MARK	REVISIONS	APPR	DATE

DESIGNED BY EEH DRAWN BY JV CHECKED BY DEE

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY		
PRINCIPAL ENGINEER		4/2/79
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P. W. ENGINEER		1.2

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 1/3/79

Arlington-Tyler Storm Drain

INDEX 4F
ACCOUNT NO. 09-5713-409
D-348
SHEET 4 OF 5
HORIZ. SCALE: 1" - 40' VERT. SCALE: 1" - 4'
FILE NO.

DETAIL - CREST-GOULD INTERSECTION

SCALE: 1" = 10'

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FOR FREE CABLE LOCATING SERVICE

★ AS BUILT B.K. 2/21/80

MARK	REVISIONS	APPR.	DATE

DESIGNED BY REH DRAWN BY Wm CHECKED BY DZR

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED	BY	DATE
PRINCIPAL ENGINEER		1/2/79
~~PARK DEPARTMENT~~		
TRAFFIC DIVISION		
CHIEF P. W. ENGINEER		1.2

APPROVED BY [signature]
PUBLIC WORKS DIRECTOR
DATE 1/3/79

Arlington-Tyler Storm Drain

INDEX WF
ACCOUNT NO. 09-573-409

D-348

SHEET 5 OF 5