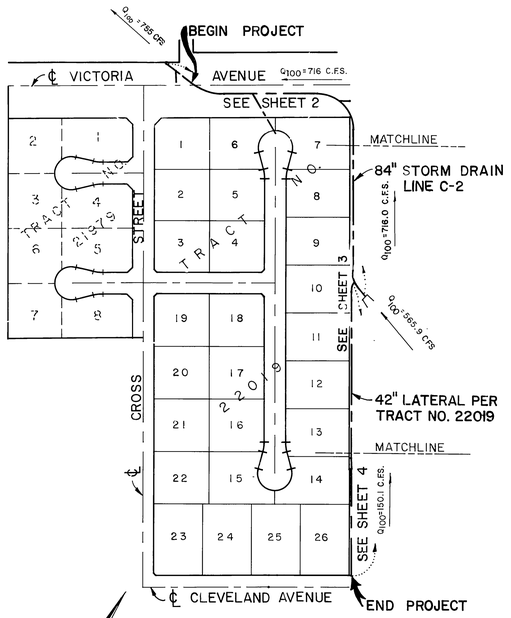
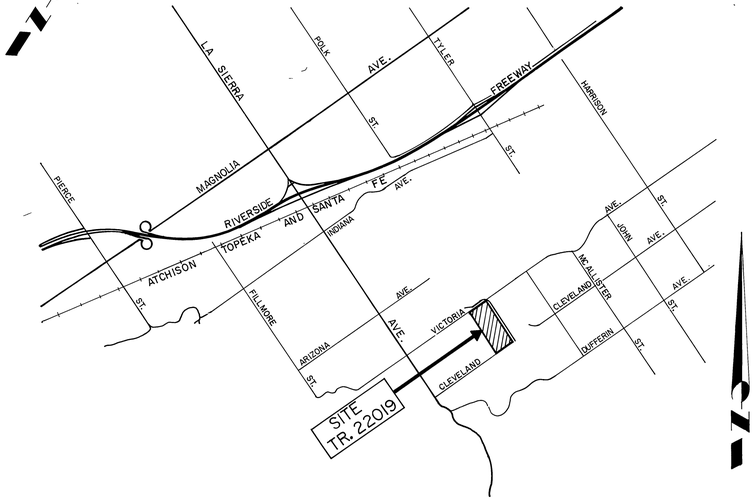
86611

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT



LOCATION MAP

200' 0' 200'



VICINITY MAP

0 0.5 1.0 MI

INDEX

	SHEET NO.
TITLE SHEET	1
PLAN AND PROFILE	2-4
DETAIL SHEET	5

GENERAL NOTES

1. ALL ELEVATIONS SHOWN ARE IN FEET, BASED ON U.S.C. & G.S. DATA.

2. NOTICE TO THE CONTRACTOR: THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT SHOWN ON THESE PLANS OR NOT ON RECORD.

3. ALL RESURFACING, CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED SHALL BE CONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED OR DIRECTED.

4. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION.

5. THE CONTRACTOR SHALL CONSTRUCT THE FLOOD CONTROL IMPROVEMENTS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT'S SPECIAL PROVISIONS AND DETAILED SPECIFICATIONS DATED SEPTEMBER 1984, AND DESIGN MANUAL STANDARD DRAWINGS DATED MAY 1971.

6. ALL EXISTING UTILITIES SHALL BE POTHOLED WHEREVER CROSSINGS ARE SHOWN ON THE PLAN PRIOR TO CONSTRUCTION.

7. CONSTRUCTION INSPECTION WILL BE PERFORMED BY RIVERSIDE COUNTY FLOOD CONTROL. CONTACT LEONARD DUNN AT (714)-787-1263. THE DISTRICT MUST BE NOTIFIED TWO WEEKS PRIOR TO CONSTRUCTION.

8. 48 HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT: 1-800-422-4133.

9. TIES TO CATCH BASINS ARE FROM THE CURB RETURN TO THE CENTERLINE OF THE CATCH BASIN UNLESS OTHER WISE SHOWN. WHERE NO TIE IS SHOWN THE LOCAL DEPRESSION SHALL START AT THE CURB RETURN.

10. BEDDING PIPE WITH LESS THAN TWO FEET OF COVER SHALL CONFORM TO LOS ANGELES COUNTY FLOOD CONTROL DISTRICT STANDARD DRAWINGS 2-D213 AND 2-D177 FOR CONCRETE BACKFILL IN TRENCHES. ALL OTHER PIPE SHALL CONFORM TO RCFC & WCD STD. M815

11. OPENING RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6" OF CLASS "B" CONCRETE.

MAINTENANCE NOTES

THE FOLLOWING ITEMS ARE TO BE INSPECTED AND MAINTAINED BY RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT:

84" RCP FROM STATION 10+90 TO STATION 20+50 AS SHOWN ON SHEETS 2 & 3.

ALL MANHOLES AND OTHER STRUCTURES REQUIRED TO COMPLETE THE CONSTRUCTION OF THE ABOVE MENTIONED MAINLINE PIPE.

R.C.F.C. & W.C.D. STANDARD DRAWINGS

CB108	INLET TYPE X
JS227	JUNCTION STRUCTURE NO. 2
MH252	MANHOLE NO. 2
MH255	MANHOLE FRAME AND COVER
MH257	MANHOLE SHAFT
MH259	STANDARD DROP STEP
M816	CONCRETE BULKHEADS
M814	ABBREVIATIONS AND SYMBOLS
CH329	CHANNEL TRANSITION
TS303	TRANSITION STRUCTURE NO. 3

REGISTERED PROFESSIONAL ENGINEER RALPH M. HOGGSDON No. 14312 Exp 3-31-89 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER DAVID T. SHELDON No. 19339 Exp. 9-30-89 CIVIL STATE OF CALIFORNIA

AS BUILT 4/13/93 RJM

CITY OF RIVERSIDE DRAWING NO.

D - 519A

J.F.DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS – SURVEYORS – PLANNERS
□ P.O.BOX 493 RIVERSIDE CA 92502 (714) 686-0844
■ 11200 S MT VERNON #D COLTON CA 92324 (714) 825-1082
□ 73-080 EL PASEO #103 PALM DESERT CA 92260 (619) 346-5691

APPROVED BY: Ralph M. Hoggsdon 10/6/87
R.C.E. NO. 14312 DATE
EXP. DATE: 3-31-89

BENCH MARK
FD. BRASS DISC. IN CONCRETE STAMPED M.L. 83, 1971, RIVERSIDE COUNTY SURVEYOR 144' N'LY OF ARIZONA AVE. 36' E'LY OF LA SIERRA AVE.
ELEVATION= 783.41

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: TNT
DRAWN BY: JMS
DATE DRAWN: 3/87
CHECKED BY:

RECOMMENDED FOR APPROVAL BY: David T. Sheldon
PLANNING ENGINEER R.E. NO. 19339
10/9/87

APPROVED BY: Kenneth Edwards
CHIEF ENGINEER R.E. NO. 12400
DATE: 10-13-87

SOUTHWEST RIVERSIDE A.D.P.
LINE C-2 STAGE III

TRACT NO. 22019
TITLE SHEET

PROJECT NO. 1-0-171
DRAWING NO. 1-474
SHEET NO. 1 OF 5

FOR: KEUSDER ENTERPRISES

86-9472

86611

NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE STORM DRAIN UNLESS OTHERWISE NOTED

EXISTING GROUND @ ℄ OF STORM DRAIN

PROPOSED GRADE @ ℄ OF STORM DRAIN

EXIST. GROUND @ ℄ CHANNEL

PAT. BANK GRADED CHANNEL

PAT. BANK EXIST. CHANNEL

℄ EXIST. CHANNEL

W.S. 100

FLOWLINE OF TRAP. CHANNEL

EXIST. RIP RAP

S = + 0.0050

HYDRAULIC DATA
Q100 = 871.0 CFS
V100 = 8.3 CFS

EXIST. TRAP CHANNEL PER STAGE I, DWG. NO. 1-473

EXIST. TRANSITION

EXIST. 84" R.C.P. PER STAGE II, DWG. NO. 1-473

EXIST. BULKHEAD TO BE REMOVED

EXIST. CUTOFF WALL

EXIST. HEADWALL

10+31.29

10+30.25 B.C. REMOVE EXIST. BULKHEAD BEGIN CONST. 84" R.C.P.

11+89.01 E.C.

12+45.33

13+91.01 FUTURE 8' W.L.

14+45.16 B.C.

16+02.80 E.C.

16+05.50 ℄ M.H. NO. 2

16+08.30 E.C. & GRADE BREAK

STA. 16+50.00 MATCH LINE - SEE SHEET 3

HYDRAULIC DATA
Q 100 = 795.0 C.F.S.
V100 = 19.6 F.P.S.

HYDRAULIC DATA
Q 100 = 727.5 CFS
V 100 = 18.9 F.P.S.

HYDRAULIC DATA
Q 100 = 716.0 CFS
V 100 = 18.6 F.P.S.

98.76 L.F. OF 84" R.C.P. 1250 D

253.23 L.F. OF 84" R.C.P. 1250 D

157.64 L.F. OF 84" R.C.P. 1250 D

41.70 L.F. OF 84" R.C.P. 1250 D

PROFILE

40' 0' 40'

S = 0.0140

S = 0.011%

S = 0.01925

℄ INTERSECTION
8+93.71 VICTORIA AVE.
=0+30.00 CROSS ST.

EXIST. TRAP. CHANNEL PER STAGE II, DWG. 1-473

EXIST. 78" R.C.P. HEADWALL

CROSS STREET

VICTORIA AVENUE

TRACT NO. 4915 M.B. 85/12-14

RIGHT OF WAY

IRR.

3'G

12'W

EXISTING EDGE OF PAVEMENT

℄ VICTORIA AVE.

N. 55°35'00"E.

℄ PROPOSED 84" R.C.P.

℄ EXIST. SWALE

PROP. CONST.

PROP. EDGE OF PAVING

PROPOSED 48" STORM DRAIN, PER TR. 21979 CITY OF RIVERSIDE D.P.W. PROJECT NO. R0885.

PROPOSED 8" WATER LINE PER TR. NO. 22019

EXISTING BLOCK WALL WITH PILASTER

PROPOSED BLOCK WALL WITH PILASTER

DRAINAGE EASEMENT

TRACT NO. 21979

TRACT NO. 22019

N. 03°23'52"E.(R)

10'x10' DRAINAGE EASEMENT

CONSTRUCT WALL SOUTH OF EASEMENT

PROPERTY OF THE CITY OF RIVERSIDE.

CITY OF RIVERSIDE R/W TO BE DEDICATED TO RIVERSIDE CO. FLOOD CONTROL AFTER PROPOSED STORM DRAIN CONST. IS COMPLETE.

FUTURE CONNECTOR PIPE

FUTURE CATCH BASIN

S. 34°05'51"E. - 41.70'

STA. 16+50.00 MATCH LINE - SEE SHEET 3

40' 0' 40'

CONSTRUCTION NOTES ⬡

1. EXISTING DROP INLET TO BE PROTECTED IN PLACE.
2. FUTURE JUNCTION PER TRACT NO. 22019.
3. CONSTRUCT CONCRETE BULKHEAD PER R.C.F.C. & W.C.D. STD. DWG. NO. M-816
4. FUTURE CATCH BASIN PER TRACT NO. 22019.
5. PROPOSED JUNCTION STRUCTURE NO. 4 PER R.C.F.C. & W.C.D. STD. DWG. NO. US-220. INSTALL 29'-24" R.C.P. SEE PROFILE SHT. 4.
6. EXISTING 36" STORM DRAIN TO BE REMOVED. STUB AND PLUG AT DOWNSTREAM END.
7. EXISTING IRRIGATION LINE. (SEE IRRIGATION NOTE AT LEFT)
8. CONSTRUCT MANHOLE NO. 2 PER R.C.F.C. & W.C.D. STD. DWG. NO. MH-252-L=5'-6", P=5'

℄ CURVE DATA

① Δ = 37°43'30"
R = 150.00'
L = 98.76'
T = 51.25'
BC = 10+90.25
EC = 11+89.01

② Δ = 90°19'09"
R = 100.00'
L = 157.64'
T = 100.56'
BC = 14+45.16
EC = 16+02.80

③ Δ = 52°30'17"
R = 100.00'
L = 91.64'
T = 49.32'

④ Δ = 37°48'52"
R = 100.00'
L = 66.00'
T = 34.25'

IRRIGATION LINE NOTE

EXISTING IRRIGATION LINE TO REMAIN IN OPERATION AND BE PROTECTED IN PLACE UNTIL INSTALLATION OF NEW FACILITIES ARE COMPLETE. RELOCATION SHALL BE DONE UNDER THE DIRECTION OF JOAN M. HOGOBOOM, MANAGER OF THE GAGE CANAL COMPANY, OR HIS REPRESENTATIVE.

NOTE:
SEE SHEET NO. 5 FOR TYPICAL TRENCH BEDDING

REGISTERED PROFESSIONAL ENGINEER RALPH M. HOGOBOOM No. 14312 Exp. 3-31-89 CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER DAVID A. CHELSEN No. 19339 Exp. 9-30-89 CIVIL STATE OF CALIFORNIA

AS BUILT 4/3/93 RM

D-519A

J.F.DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS – SURVEYORS – PLANNERS
□ P.O.BOX 493 RIVERSIDE CA 92502 (714) 686-0844
■ 11200 S MT VERNON #D COLTON CA 92324 (714) 825-1082
□ 73-080 EL PASEO #103 PALM DESERT CA 92260 (619) 346-5691

APPROVED BY: Ralph M. Hogoboom R.C.E. NO. 14312 DATE 7/31/87
EXP. DATE: 3-31-89

BENCH MARK
FD. BRASS DISC IN CONCRETE STAMPED M.L.83, 1971, RIVERSIDE COUNTY SURVEYOR 144' N'LY OF ARIZONA AVE. AND 36' E'LY OF LA SIERRA AVE.
ELEVATION 783.41

REVISIONS			
REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: TNT
DRAWN BY: JMS
DATE DRAWN: 3/87
CHECKED BY:

RECOMMENDED FOR APPROVAL BY: David A. Chelsen PLANNING ENGINEER R.E. NO. 19339 DATE: 10/9/87

APPROVED BY: Kenneth L. Edwards CHIEF ENGINEER R.E. NO. 12400 DATE: 10-16-87

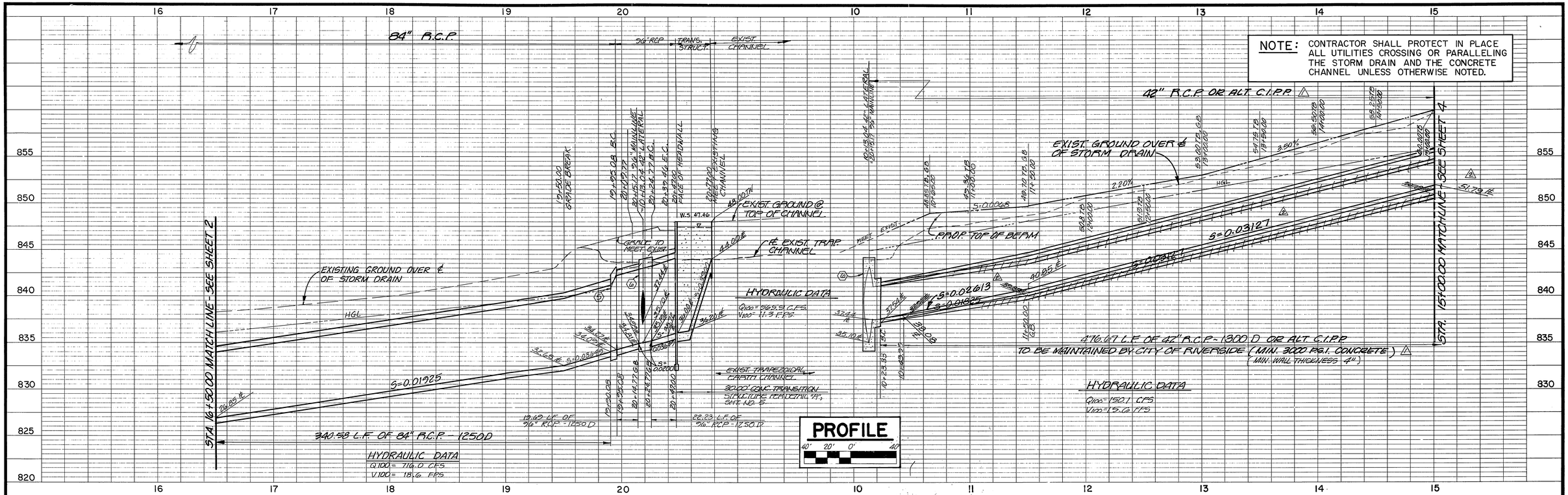
SOUTHWEST RIVERSIDE A.D.P.
LINE C-2 PHASE III
TRACT NO 22019
STATION 10+90.25 TO STATION 16+50.00

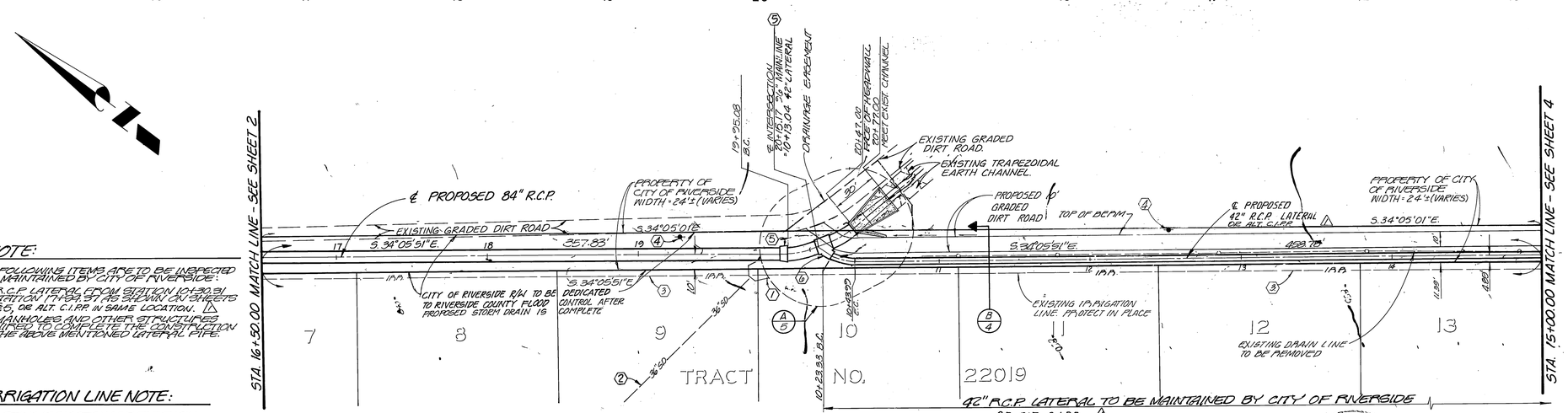
PROJECT NO. 1-0-171
DRAWING NO. 1-474
SHEET NO. 2 OF 5

FOR: KEUSDER ENTERPRISES

86-9472

86611





⬡ CONSTRUCTION NOTES

1. EXISTING CONCRETE DRAINAGE STRUCTURE TO BE REMOVED.
2. EXISTING 36" STORM DRAIN TO BE REMOVED.
3. EXISTING IRRIGATION LINE TO BE PROTECTED IN PLACE (SEE IRRIGATION NOTE)
4. EXISTING POWER POLE TO BE PROTECTED IN PLACE.
5. CONSTRUCT TRANSITION STRUCTURE NO. 3 PER R.C.F.C. & W.C.D. STD. DWG. NO. TS-303 (D_1=36", D_2=84", L=5.0') MODIFIED-MATCH FLOWLINE NOT SOFFITS.
6. CONSTRUCT TRANSITION STRUCTURE NO. 3 PER R.C.F.C. & W.C.D. STD. DWG. NO. TS-303 (A=45°00'00", B=42", C=103", D=36", E=9.6', L=10.0')

NOTE:

THE FOLLOWING ITEMS ARE TO BE INSPECTED AND MAINTAINED BY CITY OF RIVERSIDE:
42" R.C.P. LATERAL FROM STATION 101+30.21 TO STATION 117+93.37 AS SHOWN ON SHEETS 3, 4, & 5, OR ALT. C.I.P.P. IN SAME LOCATION. △
ALL MANHOLES AND OTHER STRUCTURES REQUIRED TO COMPLETE THE CONSTRUCTION OF THE ABOVE MENTIONED LATERAL PIPE.

IRRIGATION LINE NOTE:

EXISTING IRRIGATION LINE TO REMAIN IN OPERATION AND BE PROTECTED IN PLACE UNTIL INSTALLATION OF NEW FACILITIES ARE COMPLETE. RELOCATION SHALL BE DONE UNDER THE DIRECTION OF JOHN M. HOGGINS, MANAGER OF THE GAGE CANAL COMPANY, OR HIS REPRESENTATIVE.

NOTE:

SEE SHEET NO. 5 FOR TYPICAL TRENCH BEDDING

D-519 A

△	RAISED 42" STORM DRAIN LATERAL	JMS	6/29/89
△	ADD C.I.P.P. ALTERNATE	JMS	4/11/90
REF.	DESCRIPTION	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: Barry Foster 4/18/90
DIRECTOR OF PUBLIC WORKS DATE

AS BUILT 4/13/93 RM

REGISTERED PROFESSIONAL ENGINEER RALPH M. HOGGOBOOM No. 14312 Exp. 3-31-89 STATE OF CALIFORNIA

REGISTERED CIVIL ENGINEER DAVID F. SHELDON No. 19339 Exp. 3-31-89 CIVIL STATE OF CALIFORNIA

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS – SURVEYORS – PLANNERS
□ P.O. BOX 493, RIVERSIDE CA 92502, (714) 686-0844
■ 11200 S MT VERNON #D, COLTON CA 92324, (714) 825-1082
□ 73-080 EL PASEO #103, PALM DESERT CA 92260, (619) 346-5691

APPROVED BY: Ralph M. Hoggoboom R.C.E. No. 14312 DATE 7/31/87
EXP. DATE: 3-31-89

BENCH MARK
FD. BRASS DISC. IN CONCRETE STAMPED M.L. 83, 1971, RIVERSIDE COUNTY SURVEYOR 144' N'LY OF ARIZONA. AVE. AND 36' E'LY OF LA SIERRA AVE.
ELEVATION= 783.41

REF.	REVISIONS DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: TNT
DRAWN BY: JMS
DATE DRAWN: 3/87
CHECKED BY:

RECOMMENDED FOR APPROVAL BY: David F. Sheldon, PLANNING ENGINEER, R.E. NO. 19339, DATE: 10/9/87
APPROVED BY: Kenneth A. Edwards, CHIEF ENGINEER R.E. NO. 12400, DATE: 10-13-87

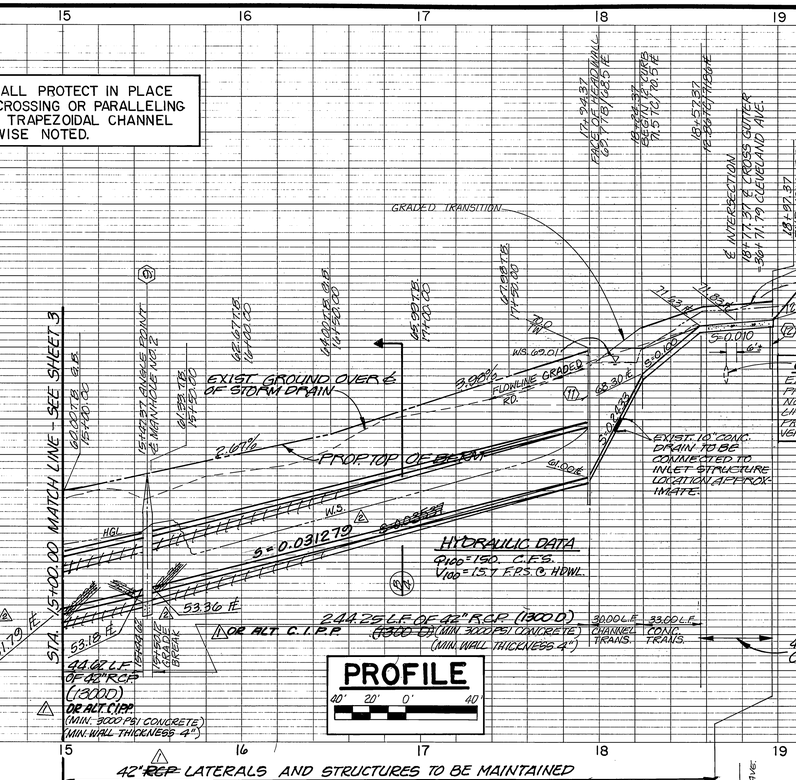
SOUTHWEST RIVERSIDE A.D.P.
LINE "C-2" STAGE III AND 42" LATERAL
TRACT NO. 22019
STATION 16+50.00 TO STATION 20+80.00

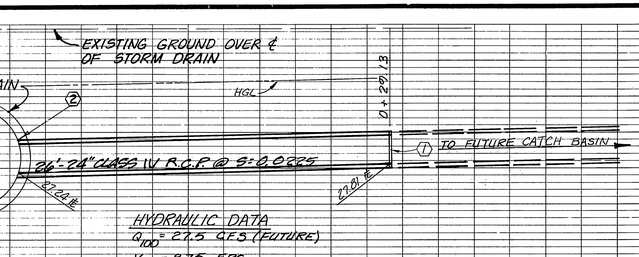
PROJECT NO. 1-0-171
DRAWING NO. 1-474
SHEET NO. 3 OF 5

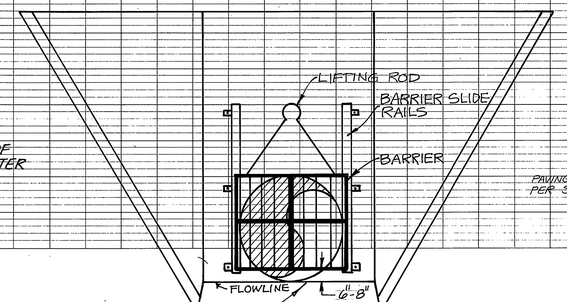
FOR: KEUSDER ENTERPRISES 86-9472

86611

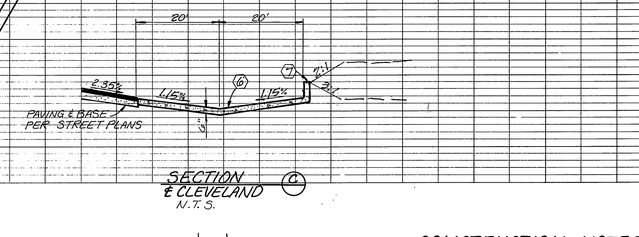
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE CONCRETE TRAPEZOIDAL CHANNEL UNLESS OTHERWISE NOTED.



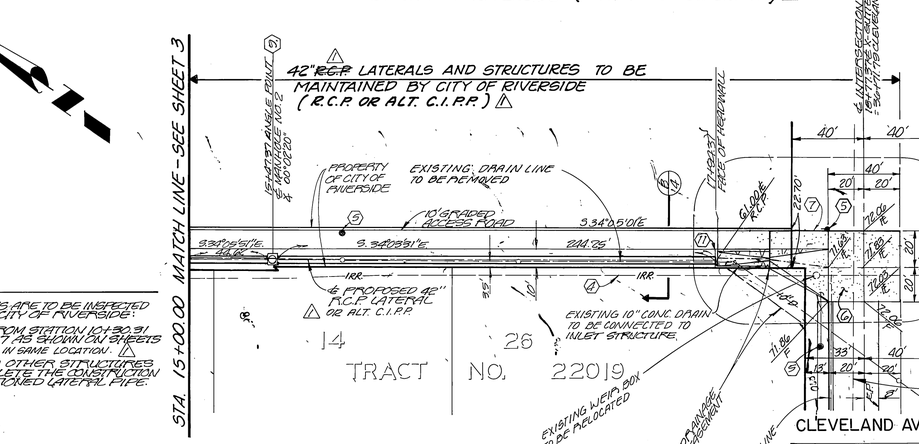




DETAIL OF INLET PROTECTION BARRIER

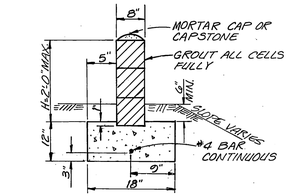


SECTION ℄ CLEVELAND N.T.S.



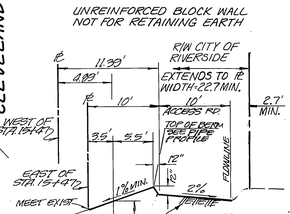
DETAIL (A)

CAUTION!! EXISTING 16" FUEL LINE NOTIFY FOUR CORNERS PIPE LINE CO. (818) 428-9220 PRIOR TO CONSTRUCTION



DETAIL (D) NOT TO SCALE

UNREINFORCED BLOCK WALL NOT FOR RETAINING EARTH



SECTION (B) N.T.S.

CONSTRUCTION NOTES ⬡

1. CONSTRUCT CONCRETE BULKHEAD PER R.C.F.C. & W.C.D. STD. DWG. NO. M-816.
2. CONSTRUCT JUNCTION STRUCTURE NO. 4 PER R.C.F.C. & W.C.D. STD DWG. NO. JS-229.
3. CONSTRUCT 33' CONC. TRANSITION 6" THICK, REINFORCED WITH 6"x6" 10 GA. WIRE MESH. CONTINUE MESH INTO CUTOFF WALL. SEE (12).
4. EXISTING IRRIGATION LINE TO BE PROTECTED IN PLACE. SEE IRRIGATION NOTE.
5. EXISTING POWER POLE TO BE PROTECTED IN PLACE.
6. CONSTRUCT 40' x 40' CONCRETE CROSS GUTTER (6" THICK) REINFORCED WITH 6" x 6" 10 GA. WIRE MESH.
7. INSTALL 73 L.F. 12" CURB PER CITY OF RIVERSIDE STD. DWG. NO. 200.
8. INSTALL H=2.0' NONREINFORCED BLOCK WALL PER DETAIL "D" THIS SHEET.
9. CONSTRUCT MANHOLE NO. 2 PER R.C.F.C. & W.C.D. STD. DWG. NO. M.H.-252 (L=5'-6", P=5")
10. CONSTRUCT 30' CHANNEL TRANSITION "B" PER RCFC/WCD STD. DWG. CH-329. SEE TYPICAL SECTIONS AND DETAIL SCHEDULE "B" ON SHEET 5.
11. CONSTRUCT HEADWALL PER STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STD. DWG. NO. D-90.
12. 3'-0" DEEP x 0'-6" THICK CUTOFF WALL.

NOTE:

THE FOLLOWING ITEMS ARE TO BE INSPECTED AND MAINTAINED BY CITY OF RIVERSIDE:

42" R.C.P. LATERAL FROM STATION 10+30.91 TO STATION 17+94.37 AS SHOWN ON SHEETS 3, 4 & 5, OR ALT. C.I.P.P. IN SAME LOCATION.

ALL MANHOLES AND OTHER STRUCTURES REQUIRED TO COMPLETE THE CONSTRUCTION OF THE ABOVE MENTIONED LATERAL PIPE.

IRRIGATION LINE NOTE:

EXISTING IRRIGATION LINE TO REMAIN IN OPERATION AND BE PROTECTED IN PLACE UNTIL INSTALLATION OF NEW FACILITIES ARE COMPLETE. RELOCATION SHALL BE DONE UNDER THE DIRECTION OF DOWNEY MAINTENANCE, AGENT OF THE GRAND TERRACE COMPANY, OR HIS REPRESENTATIVE.

NOTE: SEE SHEET NO. 5 FOR TYPICAL TRENCH BEDDING.

FOUR CORNERS PIPELINE CO.
APPROVED 6/23/87 DATE

PLAN VIEW

40' 0' 40'

REGISTERED PROFESSIONAL ENGINEER — RALPH M. HOGGBOOM — No. 14312 — CIVIL — STATE OF CALIFORNIA

3	RAISED 42" STORM DRAIN LATERAL	WLK	6/29/87
2	ADD C.I.P.P. ALTERNATE	WLK	6/19/87
SEC	DESCRIPTION	APPR	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: Barry Bark 6/19/87
DIRECTOR OF PUBLIC WORKS DATE

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS – SURVEYORS – PLANNERS
P.O. BOX 493, RIVERSIDE CA 92502, (714) 686-0844
11200 S MT VERNON #D, COLTON CA 92324, (714) 825-1082
73-080 EL PASEO #103, PALM DESERT CA 92260, (619) 346-5691
APPROVED BY: R.C.E. NO. 14312 DATE 7/31/87
EXP. DATE: 3-31-89

BENCH MARK
FD. BRASS DISC. IN CONCRETE STAMPED M.L.L. 83, 1971, RIVERSIDE COUNTY SURVEYOR 144° N'LY OF ARIZONA AVE. AND 36' E'LY OF LA SIERRA AVE.
ELEVATION = 783.41

REVISIONS			
4	ASBUILT	WLK	11/16/87
REF.	DESCRIPTION	APPR	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY:	TNT
DRAWN BY:	JMS
DATE DRAWN:	3/87
CHECKED BY:	

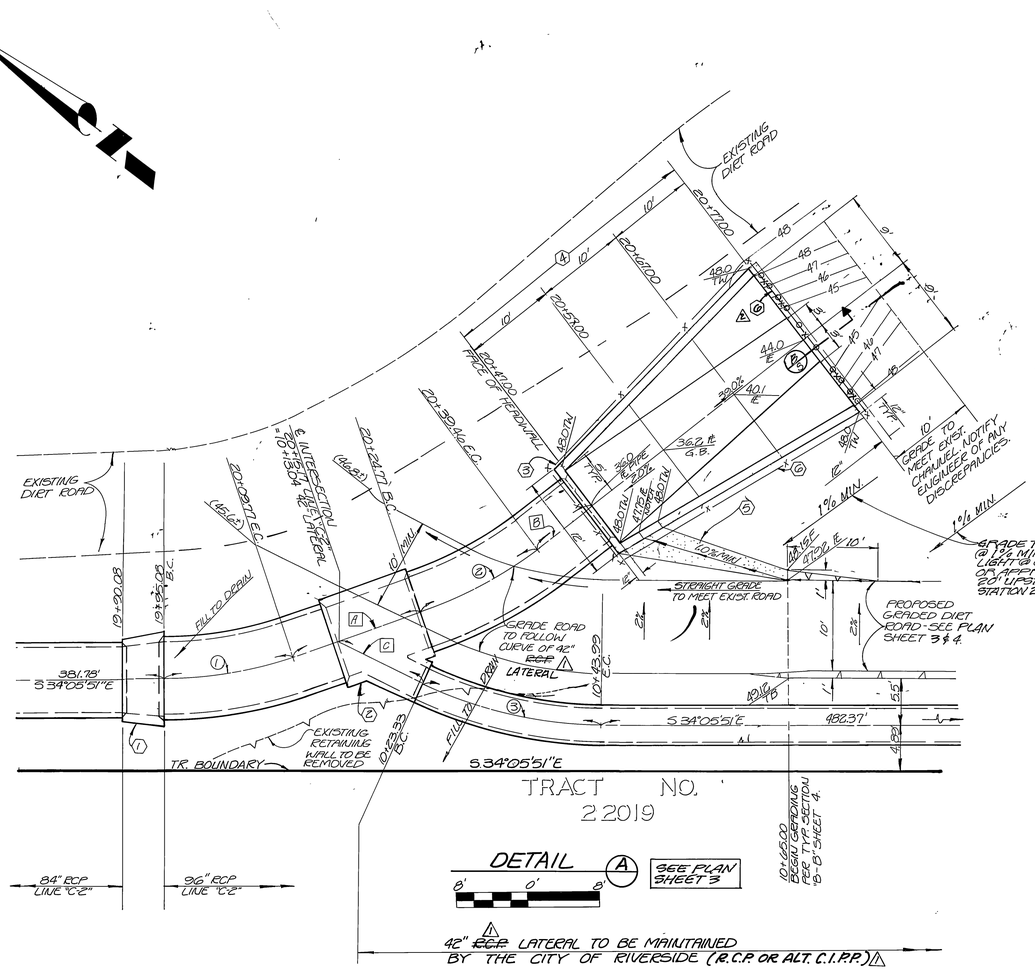
RECOMMENDED FOR APPROVAL BY: PLANNING ENGINEER R.E. NO. 19376 DATE:
APPROVED BY: CHIEF ENGINEER R.E. NO. 12400 DATE:

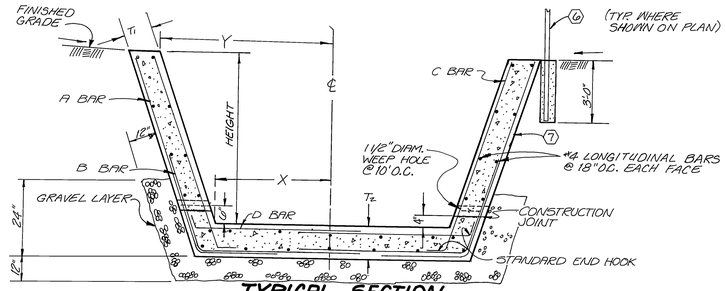
SOUTHWEST RIVERSIDE A.D.P.
LINE C-2 STAGE III
42" LATERAL ONLY
TRACT NO. 22019
STATION 15+00.00 TO STATION 17+94.37

PROJECT NO. 1-0-171
DRAWING NO. 1-474
SHEET NO. 4 OF 5

FOR: KEUSDER ENTERPRISES 86-9472 D-5/9A

86611

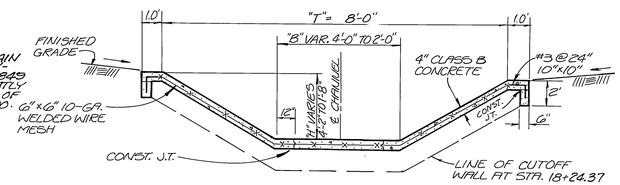




TYPICAL SECTION
NOT TO SCALE

TRANSITION "A" STA. 20+49.00 TO STA. 20+77.00 SEE DETAIL SCHEDULE "A" & PLAN SHT. 3 OR (4/5)
TRANSITION "B" STA. 17+94.37 TO STA. 18+14.37 SEE DETAIL SCHEDULE "B" & PLAN SHT. 4
SEE RCFC/WCD STD. DWG. CH-329

DATA	DETAIL SCHEDULE "A"			
STATION TO STATION	20+49 TO 20+57		20+57 TO 20+77	
X	5'-0"	4'-4"	4'-4"	3'-0"
Y	5'-0"	6'-4"	6'-4"	9'-0"
HEIGHT	12'-0"	11'-10"	11'-10"	4'-0"
WALLS T_1	12"		12"	
BOTTOM SLAB T_2	12"		12"	
A BARS	#7 BARS @ 10" O.C.		#7 BARS @ 10" O.C.	
HORIZ. LENGTH	6'-0"	6'-0"	6'-0"	6'-0"
SLOPE LENGTH	13'-0"	13'-0"	13'-0"	8'-3"
B BARS	#7 BARS @ 10" O.C.		#7 BARS @ 10	
HORIZ. LENGTH	7'-0"	6'-4"	6'-4"	5'-0"
SLOPE LENGTH	7'-0"	7'-0"	7'-0"	4'-7"
C BARS	#7 BARS @ 10" O.C.		#7 BARS @ 10" OC	
SLOPE LENGTH	13'-0"	13'-0"	13'-0"	8'-3"
D BARS	#7 BARS @ 8" OC		#7 BARS @ 8" O.C.	
HORIZ. LENGTH	7'-0"	6'-4"	6'-4"	5'-10"
CONC. C.Y./L.F.	1.33	1.28	1.28	0.84
STEEL LB/L.F.	134	131	131	97



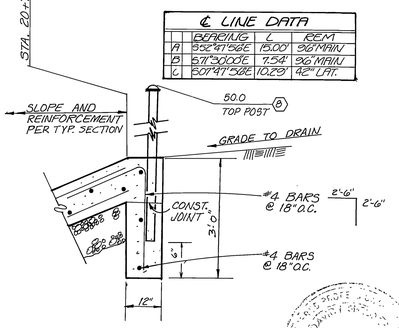
TYPICAL SECTION
NOT TO SCALE

TRANSITION "B" STA. 18+14.37 TO STA. 18+24.37 SEE PLAN
SEE RCFC/WCD STD. DWG. CH-326 SHT. 4

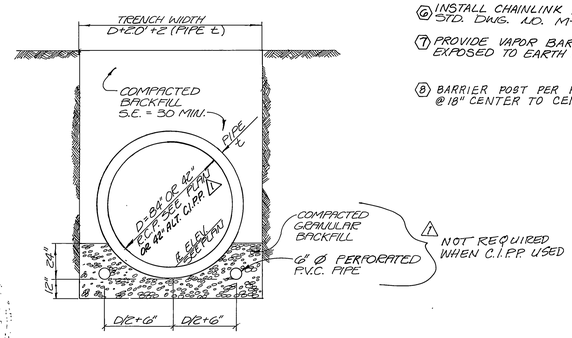
DATA	DETAIL SCHEDULE "B"		
STATION TO STATION	17+94 TO 18+14		
X	4'-0"	2'-0"	
Y	4'-0"	4'-0"	
HEIGHT	9'-0"	4'-2"	
WALLS T_1	12"		
BOTTOM SLAB T_2	12"		
A BARS	#6 BARS @ 12" O.C.		
HORIZ. LENGTH	5'-0"	5'-0"	
SLOPE LENGTH	10'-0"	5'-7"	
B BARS	#6 BARS @ 12" O.C.		
HORIZ. LENGTH	6'-0"	4'-0"	
SLOPE LENGTH	5'-6"	3'-4"	
C BARS	#6 BARS @ 12" O.C.		
SLOPE LENGTH	10'-0"	5'-7"	
D BARS	#6 BARS @ 10" O.C.		
HORIZ LENGTH	6'-0"	4'-0"	
CONC. C.Y./L.F.	1.04	0.56	
STEEL LB/L.F.	66	43	

℄ CURVE DATA					
	R	Δ	T	L	REM
①	45.00'	18°42'05"	7.41'	14.68'	96/MAIN
②	45.00'	18°42'05"	7.41'	14.68'	96/MAIN
③	45.00'	26°17'55"	10.51'	20.66'	42" LAT.

℄ LINE DATA			
	BEARING	L	REM
A	S52°41'56E	15.00'	96/MAIN
B	S71°30'00E	7.54'	96/MAIN
C	S01°47'58E	10.29'	42" LAT.



SECTION B
NOT TO SCALE



TYPICAL TRENCH BEDDING
NOT TO SCALE

CONSTRUCTION NOTES

(1) CONSTRUCT TRANSITION STRUCTURE NO. 3 PER RCFC/WCD STD. DWG. T5-303 (D=96", D2=94", L=5.0') MODIFIED: MATCH FLOWLINES, NOT SOFFITS.

(2) CONSTRUCT TRANSITION STRUCTURE NO. 3 PER RCFC/WCD STD. DWG. T5-303 (A=45°00", B=42", C=10.3', D=96", E=9.6', L=10.0')

(3) CONSTRUCT HEADWALL PER STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STD. DWG. NO. D-90.

(4) CONSTRUCT 30' CHANNEL TRANSITION "A" PER RCFC/WCD STD. DWG. CH-329. SEE TYPICAL SECTION, AND DETAIL SCHEDULE "A" THIS SHEET. MODIFIED: USE STRUCTURAL REINFORCED CONCRETE THROUGHOUT.

(5) CONSTRUCT 5' WIDE x 0.25' DEEP "V" NOTCH IN TOP OF WALL. CONSTRUCT 4" THICK CONCRETE TRANSITION FROM "V" NOTCH TO ROAD FLOWLINE AT STA. 10+05.00

(6) INSTALL CHAINLINK FENCE PER RCFC/WCD STD. DWG. NO. M-801.

(7) PROVIDE VAPOR BARRIER ON ALL CONCRETE EXPOSED TO EARTH OR GRAVEL.

(8) BARRIER POST PER RCFC STD. DWG. NO. M-801 @ 18" CENTER TO CENTER. (2.375" O.D.)

REF.	DESCRIPTION	APPR.	DATE
A	AS BUILT	WLR	7/16/87
A	ADD C.I.P.P. ALTERNATE	DJW	9/11/87

D - 519A

CITY OF RIVERSIDE, CA.
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____ DIRECTOR OF PUBLIC WORKS 11/18/87 DATE

J.F. DAVIDSON ASSOCIATES, INC.
3680 LEMON ST. P.O. BOX 493 RIVERSIDE, CA. 92502 (714) 686-0844
11200 S. MT. VERNON AV. SUITE "D" COLTON, CA. 92324 (714) 825-1082
73-080 EL PASEO SUITE 103 PALM DESERT, CA. 92260 (619) 346-5691
APPROVED BY: _____ R.C.E. NO. 14312 EXP. 3-31-89 10/6/87 DATE

BENCH MARK
FOUND BRASS DISC IN CONCRETE STAMPED ML 83, 1971, RIVERSIDE COUNTY SURVEYOR 144' N'LY OF ARIZONA AVENUE, 36' E'LY OF LA SIERRA AVENUE.
ELEVATION: 783.41'

REVISIONS

REF.	DESCRIPTION	APPR.	DATE

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
DESIGNED BY: T.N.T.
DRAWN BY: M.P.-S.C.
DATE DRAWN: 9/87
CHECKED BY:
RECOMMENDED FOR APPROVAL BY: _____ PLANNING ENGINEER R.E. NO. 19339 DATE: 10/9/87
APPROVED BY: _____ CHIEF ENGINEER R.E. NO. 12400 DATE: 10-15-87

SOUTHWEST RIVERSIDE A.D.P.
LINE "C-2" STAGE III
DETAILS
TRACT NO. 22019

PROJECT NO. 1-0-171
DRAWING NO. 1-474
SHEET NO. 5 OF 5

FOR: KEUSDER ENTERPRISES

86-9472