

CONSTRUCTION NOTES & ESTIMATED QUANTITIES

NO.	ITEM DESCRIPTION	ESTIMATED QUANTITIES
1.	PLACE 4" THICK A.C. PAVING OVER 8" CLASS II AGGREGATE BASE.	
2.	PLACE 3" THICK A.C. PAVING OVER 4" CLASS II AGGREGATE BASE.	
3.	PLACE VARIABLE THICKNESS A.C. OVERLAY.	
4.	CONSTRUCT REVERSE TAPER PER CITY OF RIVERSIDE STD. DWG. 122.	
5.	CONSTRUCT PARABOLIC FLARE PER CITY OF RIVERSIDE STD. DWG. 123.	
6.	CONSTRUCT BARRICADE (FOR DEAD END STREETS) PER CITY OF RIVERSIDE STD. DWG. 180.	
7.	CONSTRUCT 6" (TYPE I) C & G PER CITY OF RIVERSIDE STD. DWG. 200.	
8.	CONSTRUCT 8" (TYPE I) C & G PER CITY OF RIVERSIDE STD. DWG. 200.	
9.	CONSTRUCT 8" (TYPE II) CURB ONLY PER CITY OF RIVERSIDE STD. DWG. 200.	
10.	CONSTRUCT 6" CURB WITH 5" GUTTER PER CITY OF RIVERSIDE STD. DWG. 200.	
11.	PLACE 4" THICK A.C. PAVING OVER 12" CLASS II AGGREGATE BASE.	
12.	PLACE 2"x4" REDWOOD HEADER.	
13.	CONSTRUCT CROSS GUTTER & SPANDREL (W=10) PER CITY OF RIVERSIDE STD. DWG. 220.	
14.	CONSTRUCT TYPE I TRAPEZOIDAL A.C. BERM PER CITY OF RIVERSIDE STD. DWG. 250.	
15.	CONST. DRIVEWAY APPROACH PER CITY OF RIVERSIDE STD. DWG. 302.	
16.	CONSTRUCT WHEELCHAIR RAMP PER CITY OF RIVERSIDE STD. DWG. 304.	
17.	CONSTRUCT CURB SIDEWALK PER CITY OF RIVERSIDE STD. DWG. 325.	
18.	CONSTRUCT CATCH BASIN (L & V PER PLAN) PER CITY OF RIVERSIDE STD. DWG. 402 & 405.	
19.	CONSTRUCT CATCH BASIN (L & V PER PLAN) PER CITY OF RIVERSIDE STD. DWG. 402 & 407.	
20.	CONST. JUNCTION STRUCTURE NO. 1 PER R.C.F.C. STD. DWG. JS226.	
21.	CONST. JUNCTION STRUCTURE NO. 4 PER CITY OF RIVERSIDE STD. DWG. 423.	
22.	CONST. TRANSITION STRUCTURE NO. 3 PER R.C.F.C. & WCD STD. DWG. TS303.	
23.	CONSTRUCT MANHOLE JM PER CITY OF RIVERSIDE STD. DWG. 432.	
24.	CONSTRUCT HEADWALL PER CALTRANS STD. PLAN D89.	
25.	CONSTRUCT "L" HEADWALL PER CALTRANS STD. PLAN D89.	
26.	CONSTRUCT TYPE "C" HEADWALL PER CALTRANS STD. PLAN D90.	
27.	CONSTRUCT DBL 4' H x 6' W RCB PER CALTRANS STD. PLAN D81.	
28.	CONSTRUCT TYPE "A" WINGWALL PER CALTRANS STD. PLAN D84.	
29.	CONSTRUCT MODIFIED CROSS GUTTER & SPANDREL PER CITY OF RIV. STD DWG 200	
30.	CONSTRUCT MANHOLE "EZ" PER CITY OF RIVERSIDE STD. DWG. 431.	
31.	CONSTRUCT 21" R.C.P. (CLASS IV) (2000-D)	
32.	CONSTRUCT 18" RCP (CLASS IV) (2000-D)	
33.	CONSTRUCT 24" RCP (CLASS IV) (2000-D)	
34.	CONSTRUCT 30" RCP (1300-D) OR CIPP.	
35.	CONSTRUCT 36" RCP (1300-D) OR CIPP.	
36.	CONSTRUCT 39" RCP (1100-D) OR CIPP.	
37.	CONSTRUCT 54" RCP (1400-D) OR CIPP.	
38.	CONSTRUCT 72" RCP (1400-D) OR CIPP.	
39.	INSTALL TIMBER BULKHEAD PER CITY OF RIVERSIDE STD. DWG. 456.	
40.	CONSTRUCT CONCRETE COLLAR PER CITY OF RIVERSIDE STD. DWG. 424.	
41.	REMOVE EXIST. A.C. PAVEMENT AS SHOWN.	
42.	CONSTRUCT MANHOLE "AX" PER CITY OF RIVERSIDE STD. DWG. 430.	
43.	CONST. JUNCTION STRUCTURE "B" PER CITY OF RIVERSIDE STD. DWG. 421.	
44.	CONSTRUCT 48" RCP (1100-D) OR CIPP.	
45.	CONSTRUCT 27" RCP (1500-D) OR CIPP.	
46.	PLACE 1/2 TON GROUTED RIP-RAP. PER DETAIL PAGE 24A	
47.	FEATHER A.C. PAVING TO FORM A SMOOTH TRANSITION. (1/2" MAX.)	
48.	RELOCATE EXIST. 8" BLOWOFF ASSY. PER W.M.W.D. STD. WA-033.B/ WA-015.BB AND PER PLAN.	
49.	RELOCATE EXIST. 4" AIR-VACUUM & AIR RELEASE VALVE ASSEMBLY PER W.M.W.D. STD. WA-027.4B AND PER PLAN.	
50.	CONSTRUCT CATCH BASIN (L & V PER PLAN) PER CITY OF RIVERSIDE STD DWG. 402 & 405 MODIFIED PER DETAIL ON SHEET No. 21.	
51.	REMOVE EXIST. A.C. BERM AS SHOWN.	
52.	EXIST. P.P. TO BE RELOCATED BY OTHERS.	
53.	EXIST. GAS VALVE TO BE RAISED TO GRADE BY OTHERS.	
54.	CONST. CURB OUTLET STRUCTURE PER CITY OF RIV. STD. DWG. 410.	
55.	RAISE EXIST. SEWER MANHOLE TO GRADE.	
56.	RELOCATE EXIST. CHAIN LINK FENCE TO PROPOSED R/W. Remove & Salvage exist. Chain Link Fencing	

ROADWAY EARTHWORK QUANTITIES

EXCAVATION	153,000 C.Y.
EMBANKMENT	177,000 C.Y.
OVER-EXCAVATION	61,000 C.Y.
ESTIMATED IMPORT	33,100 C.Y.

SCHOOL SITE EARTHWORK QUANTITIES

EXCAVATION	95,000 C.Y.
EMBANKMENT	30,000 C.Y.
EXPORT	60,000 C.Y.

FIRE STATION EARTHWORK QUANTITIES

EXCAVATION	5,300 C.Y.
EMBANKMENT	0 C.Y.
EXPORT	5,300 C.Y.

BENCHMARK

T.B.M. - FD BOAT SPIKE IN N/S PP#2014497E 400' W OF INTERSECTION WOOD RD. & TRAUTWEIN RD. PER F.B. 84-8372/10. ELEV. 1597.81

B.M. - V.B. 10-64 BRASS DISK FLUSH & MARKED V.B. 10-64, 0.6 MILES E. ON VAN BUREN BLVD. FROM E INTERSECTION OF VAN BUREN & WOOD RD. 205' N. OF VAN BUREN AT THE N.E. SIDE OF GRANITE BOULDERS, ON TOP OF 3'x15'x18" BOULDER. ELEV. 1700.670 DATED: 1971

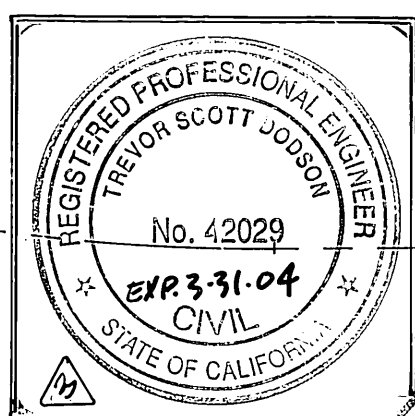
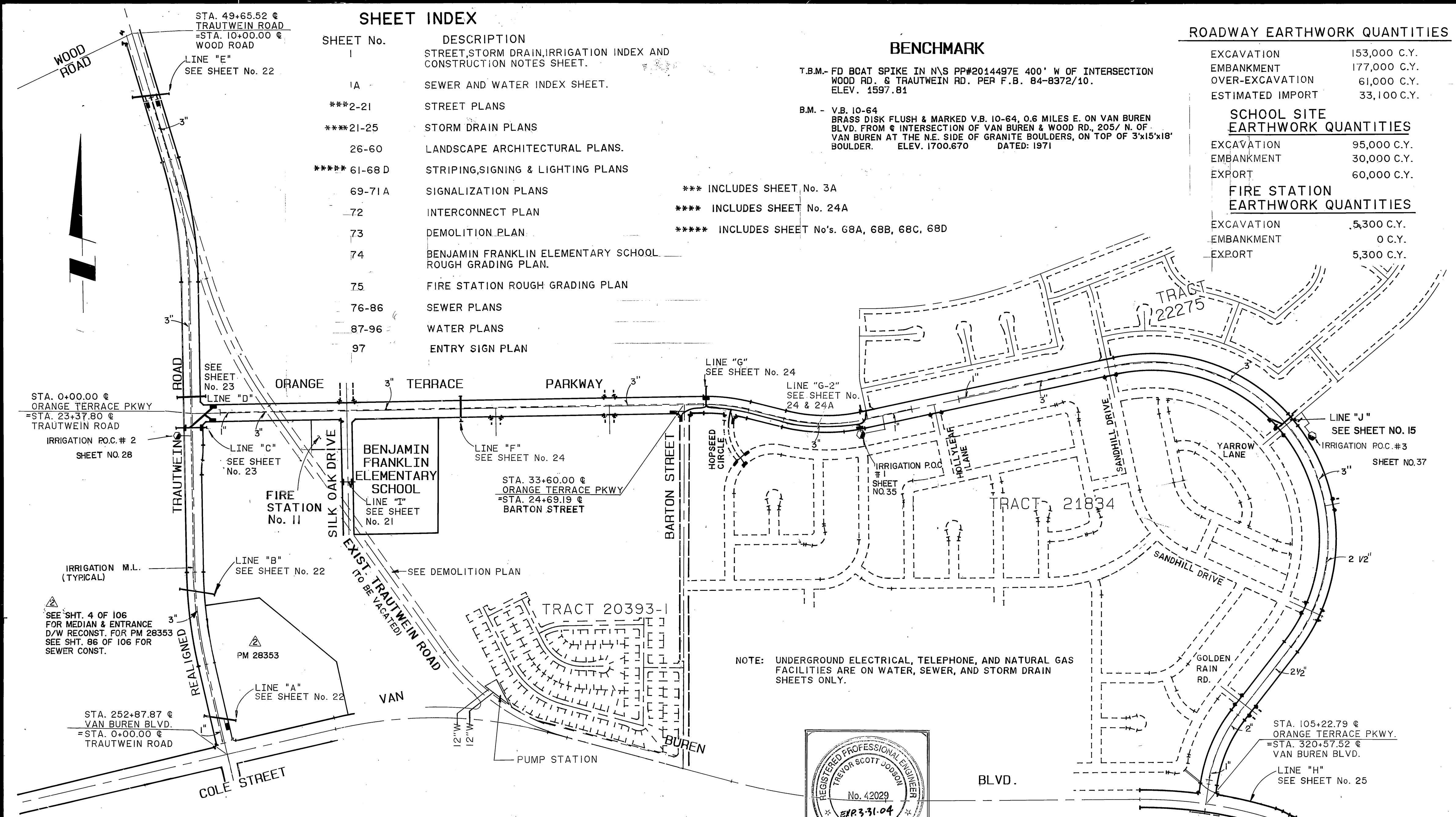
SHEET INDEX

SHEET No.	DESCRIPTION
1	STREET, STORM DRAIN, IRRIGATION INDEX AND CONSTRUCTION NOTES SHEET.
1A	SEWER AND WATER INDEX SHEET.
***2-21	STREET PLANS
****21-25	STORM DRAIN PLANS
26-60	LANDSCAPE ARCHITECTURAL PLANS.
****61-68 D	STRIPING, SIGNING & LIGHTING PLANS
69-71 A	SIGNALIZATION PLANS
72	INTERCONNECT PLAN
73	DEMOLITION PLAN
74	BENJAMIN FRANKLIN ELEMENTARY SCHOOL ROUGH GRADING PLAN.
75	FIRE STATION ROUGH GRADING PLAN
76-86	SEWER PLANS
87-96	WATER PLANS
97	ENTRY SIGN PLAN

*** INCLUDES SHEET No. 3A

**** INCLUDES SHEET No. 24A

**** INCLUDES SHEET No's. 68A, 68B, 68C, 68D



NOTE: UNDERGROUND ELECTRICAL, TELEPHONE, AND NATURAL GAS FACILITIES ARE ON WATER, SEWER, AND STORM DRAIN SHEETS ONLY.

GENERAL NOTES

- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPT. OF PUBLIC WORKS, STANDARD DRAWINGS, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
- NOTICE TO 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 OF RECORD OR NOT SHOWN ON THESE PLANS.
- THE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
- THE CONTRACTOR SHALL CALL IN A LOCATIONS REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 1-800-422-4133, TWO WORKING DAYS PRIOR TO UNDERGROUND DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
- THE ENGINEER PREPARING THESE PLANS SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE (5) DAYS AFTER NOTIFICATION FROM THE CITY INSPECTOR.
- WHERE EXISTING PAVEMENT JOINS NEW PAVEMENT, TRIM EDGE OF EXISTING PAVEMENT TO A SMOOTH, STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS SHOWN ON PLAN AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.
- SEE "STRIPING & SIGNING AND LIGHTING PLANS" FOR QUANTITIES AND LOCATIONS OF THESE IMPROVEMENTS. STREET LIGHT LOCATIONS FOR SILK OAK DR. ARE SHOWN ON SHEET No. 21.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OR ENGINEER.
- ALL SLOPES SHOWN ARE A MAXIMUM CUT OR FILL OF 2:1. UNLESS OTHERWISE NOTED ON PLAN, AND WILL BE STAKED IN THE FIELD.
- ELEVATIONS FOR CROSS-GUTTERS AND CONSTRUCTION BEYOND ECR'S AND BCR'S ARE FLAGGED IN THE PLAN VIEW.

- REMOVE & DISPOSE PORTION OF EXIST. CURB & GUTTER PER MODIFIED DETAIL (SHT. A)
- MAINLINE ELECTRICAL UNDERGROUND CONDUIT (WITH PULL ROPE) SHALL BE INSTALLED BY OTHERS. CONTRACTOR SHALL COORDINATE WITH CITY OF RIVERSIDE FOR STREET LIGHT, ELECTRICAL WIRING INSTALLATION AND FINAL CONNECTION. SEE PART 6 OF THE SPECIFICATIONS.
- CONSTRUCT 6" CURB ONLY PER CITY OF RIVERSIDE STD 200 (TYPE II, MODIFIED TO 6" CURB) 109 LF
- REMOVE & DISPOSE OF EXISTING CURB & GUTTER 129 LF
- REMOVE & DISPOSE OF EXISTING 8" CURB ONLY 337 LF

REVISION # 3 BY: BUSINESS TAX CERTIFICATION # 00104442
 MDS CONSULTING INC. DATE 5/25/02
 17320 REDHILL AVE, SUITE 350
 IRVINE, CA 92614
 (949) 251-8821

GENERAL TELEPHONE COMPANY
 REVIEWED BY: [Signature] DATE: 7-14-88

SOUTHERN CALIFORNIA GAS COMPANY
 REVIEWED BY: [Signature] DATE: 6-27-88

PACIFIC BELL TELEPHONE COMPANY
 REVIEWED BY: [Signature] DATE: 6/21/88

FIRE HYDRANT LOCATION ACCEPTABLE PER DETAILED DRAWINGS
 RIVERSIDE FIRE DEPARTMENT DIVISION OF FIRE PREVENTION
 DATE: 10-26-88

WESTERN MUNICIPAL WATER DISTRICT SEWER SYSTEM REVIEWED BY (SHEETS 76-86)
 CHIEF ENGINEER, R.C.E. 17984
 DATE: 10-3-88

WESTERN MUNICIPAL WATER DISTRICT WATER SYSTEM APPROVAL (SEE SHEETS 87-96)
 CHIEF ENGINEER, R.C.E. 17984
 DATE: 10-3-88

CITY OF RIVERSIDE PARKS AND RECREATION DEPARTMENT IRRIGATION APPROVAL. (SEE SHEET 27-42)
 PARK PROJECT COORDINATOR
 DATE: 6-3-88

CITY OF RIVERSIDE OVERHEAD AND UNDERGROUND IRRIGATION APPROVAL. (SEE SHEET 27-42)
 ENGINEERING MANAGER-ELECTRIC
 DATE: 6-3-88

WESTERN MUNICIPAL WATER DISTRICT IRRIGATION REVIEW OF SHEETS 27-42.
 SUPERVISING DESIGN ENGINEER R.C.E. 21643
 DATE: 5/1/88

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL

PREPARED UNDER THE DIRECTION OF:
 [Signature]
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE: 9/30/91 DATE: 7/14/90

APPROVED BY:
 [Signature]
 DATE: 10-3-88

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 COLTON, CA 92524 PALM DESERT, CA 92260
 (714) 886-0844 (714) 825-1082 (619) 346-5691

BENCH MARK:
 SEE ABOVE

DATE: OCT. 1987

J.F.D. ASSOCIATES

APPROVED BY: [Signature] DATE: 10/17/87

MARK: [Signature] REVISIONS: [Signature] APPR. DATE: [Signature]

DESIGNED BY: E.F. DRAWN BY: J.S. CHECKED BY: [Signature]

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature] DATE: 10-23-87

PRINCIPAL ENGINEER: [Signature] DATE: 6-3-88

PARK DEPARTMENT: [Signature] DATE: 2/27/88

TRAFFIC DIVISION: [Signature] DATE: 5-22-88

CHIEF P.W. ENGR: [Signature] DATE: 10-20-87

CFD 86-1-3
STREET, STORM DRAIN AND IRRIGATION INDEX & CONSTRUCTION NOTES

PROJECT NO. R-2971
 SHEET 1 OF 106
 FILE NO. 8710058

HORIZ. SCALE: 1" = 100'
 VERT. SCALE: 1" = 10'

SEWER CONSTRUCTION NOTES:

1. Sewer elevations shown are to invert (flowline of conduit).
2. Straight slopes shall be maintained between inverts shown.
3. Adjust all valve boxes, pull boxes and manholes to finish grade unless otherwise shown or directed. Manholes in open fields shall be set two (2) feet above grade, approximate rim elevations are shown on the plan.
4. Sewer pipe zone and trench backfill shall be in accordance with detail drawings and specifications. Bedding shall be class I, unless noted otherwise.
5. All manhole steps shall be plastic reinforced with 1/2" diameter steel bar. Tread shall be of the "non-skid" type with sides raised to prevent slipping. (As manufactured by M.A. Industries, Inc. or approved equal.)
6. All manholes deeper than twelve (12) feet to the shelf shall be equipped with a "safety climb" as manufactured by North Consumer Safety Products or approved equal.
7. All manholes to be constructed per City of Riverside standard 500 with the following modifications: C/L station shown is the physical center of the manhole and not the offset C/L of the cover. Elevations shown at C/L refer to the prolonged invert grade lines.

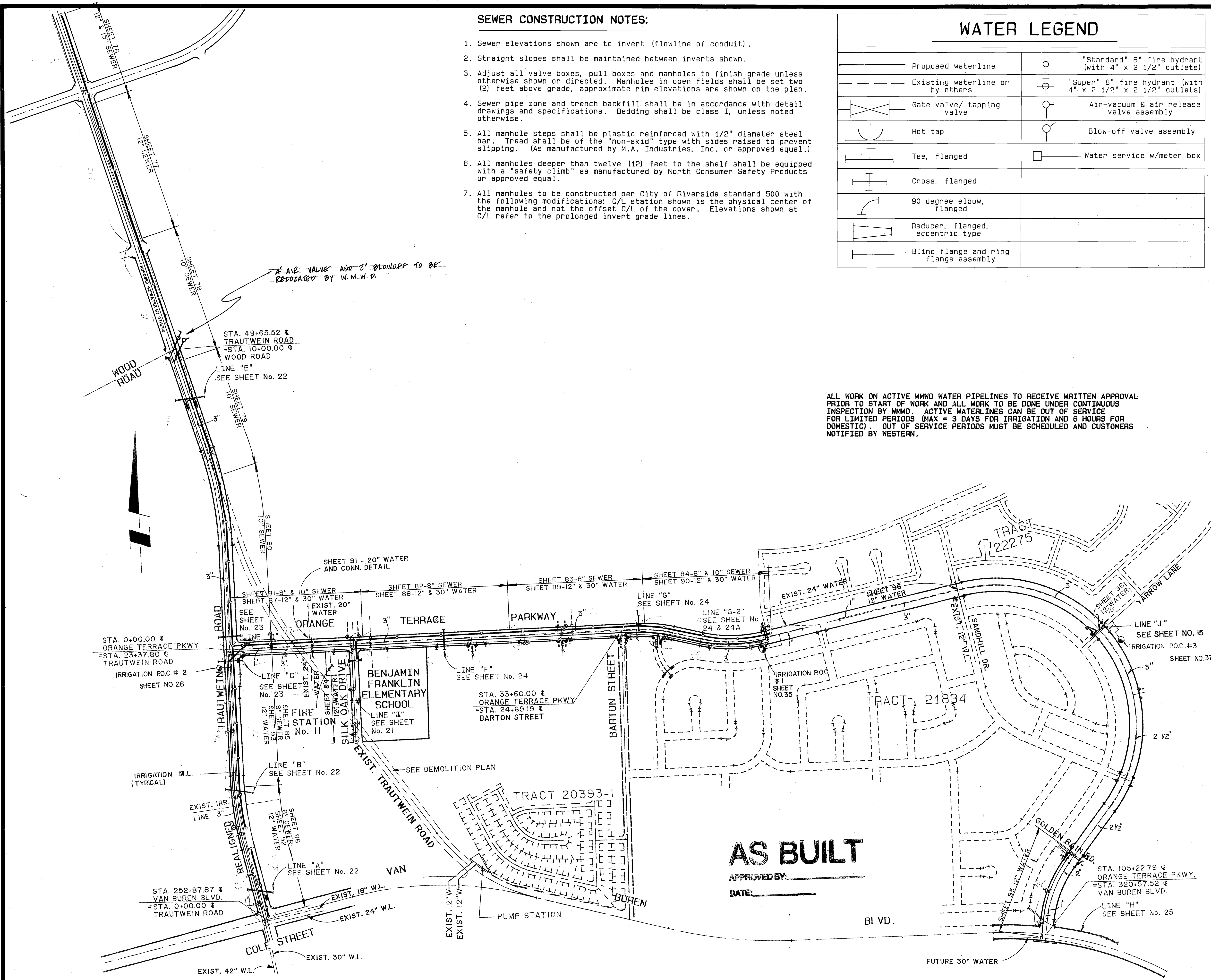
WATER LEGEND

	Proposed waterline		"Standard" 6" fire hydrant (with 4" x 2 1/2" outlets)
	Existing waterline or by others		"Super" 8" fire hydrant (with 4" x 2 1/2" x 2 1/2" outlets)
	Gate valve/tapping valve		Air-vacuum & air release valve assembly
	Hot tap		Blow-off valve assembly
	Tee, flanged		Water service w/meter box
	Cross, flanged		
	90 degree elbow, flanged		
	Reducer, flanged, eccentric type		
	Blind flange and ring flange assembly		

WATER CONSTRUCTION NOTES

1. Water system shall be constructed by the City for dedication to Western Municipal Water District and shall comply to all District requirements plus those requirements of all other public governing bodies.
2. Deleted, not used on this project.
3. Construction, materials, testing and inspection shall comply with Western Municipal Water District's Standards and Specifications, and shall meet or exceed the requirements of City of Riverside and the American Water Works Association (AWWA) Standards. Failure to meet any of the above requirements will be cause for rejection.
4. Deleted, not used on this project.
5. Pipe fittings, valves and appurtenances shall be of the pipe pressure class (NOT W.W.P. Class) shown on the profile of these plans.
6. 12-Inch and under pipe to be C.M.L. & A.W. Steel pipe; all pipe over 12-inch to be C.M.L. & C. Steel pipe. All pipe 16-inch and under to have 12 gauge wall thickness.
7. Minimum cover over pipe to be 36 inches. Refer to plan and profile drawing for cover required for pipe when conditions require more depth. **Standard minimum cover over pipe 12" and larger is four feet.**
8. Whenever a waterline encounters a storm drain pipe or other obstruction and crossing over the obstruction will result in less than 36 inches of cover over the watermain, it shall cross under the obstruction (minimum 6" clear).
9. Contractor shall determine depth and location of existing underground facilities prior to trenching.
10. Contractor shall shore all trenches and conduct all construction and operations in accordance with CAL-OSHA requirements.
11. Pipe shall be handled so as to protect pipe, joints, lining and coating, and carefully bedded to provide continuous bearing and prevent uneven settlement. Pipe shall be protected against floatation at all times. Open ends shall be sealed at all times when construction is not in progress.
12. Pipe joints shall not be deflected at any angle greater than that maximum angle recommended by the pipe manufacturer.
13. Full welds to be double pass, minimum.
14. Taps of pipeline shall have District approved reinforced saddle outlets welded to pipe.
15. Deleted, not used on this project.
16. Backfill shall be compacted to a relative density of 90%; equivalent to the surrounding ground; or City Standards, whichever is greater.
17. Test pressure shall be 150% of pipe Class Rating. (ie: Class 150=225 psi test pressure) Maximum allowable leakage is 5 gallons/inch of pipe dia./mi of pipe length/24 hrs. No visible leakage is permitted. Minimum test duration is 4 hours. District inspector to inspect test using District provided pressure gauge. Inspector time spent inspecting and required retests (including rate and overhead) shall be at the expense of the City.
18. Fittings shall be fabricated steel or forged steel. All fittings to be cement mortar lined. No cast iron fittings shall be allowed.
19. Pipe connections shall be bell and spigot rubber-gasket joints unless otherwise shown on drawings. Upon written approval by the Engineer weld-bell slip joint pipe may be used.
20. Open trench at any one time shall be limited to 500 feet along road right-of-way, unless otherwise approved in writing by the Engineer. Trench shall be backfilled and compacted at the conclusion of each day.
21. Surface improvement damaged or removed as a result of the contractor's operations shall be reconstructed by the contractor to the City Standards.
22. Fire hydrants and air valves to be located per City of Riverside Std. C.W.D. 700 & 451.
23. The Contractor shall provide one set of prints showing all "As-Built" conditions.
24. Deleted, not used on this project.
25. Water meters to be located in the field as directed and approved by W.M.W.D. Contractor to provide "As-Built" showing stationing of service lateral connections.
26. "W" imprint on curb face at each service lateral (meter) location.
27. Any revision to these drawings must be approved in writing by MMWD.

ALL WORK ON ACTIVE MMWD WATER PIPELINES TO RECEIVE WRITTEN APPROVAL PRIOR TO START OF WORK AND ALL WORK TO BE DONE UNDER CONTINUOUS INSPECTION BY MMWD. ACTIVE WATERLINES CAN BE OUT OF SERVICE FOR LIMITED PERIODS (MAX = 3 DAYS FOR IRRIGATION AND 6 HOURS FOR DOMESTIC). OUT OF SERVICE PERIODS MUST BE SCHEDULED AND CUSTOMERS NOTIFIED BY WESTERN.



AS BUILT

APPROVED BY: _____
DATE: _____

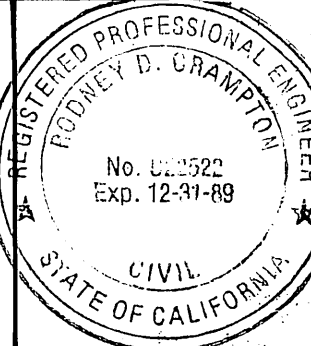
Approved by Western Municipal Water District for construction
Sheets IA, 6 and 67 thru 96 (Water Improvements)
[Signature] Oct 3 '88
CHIEF ENGINEER RCE 17984 DATE

VOID AFTER 1 YEAR FROM THIS DATE, IF NOTICE TO PROCEED HAS NOT BEEN ISSUED.

WATER CERTIFICATION
I certify that the design of the water system for CFD 86-1-3 is in accordance with the Water System expansion plans of Western Municipal Water District of Riverside County and that the water service, storage and distribution system will be adequate to provide water service to such tract. This certification does not constitute a guarantee that it will supply water to such tract at any specific quantities, flows or pressures for fire protection or any other purpose.
[Signature]
CHIEF ENGINEER RCE 17984 DATE 10-3-88

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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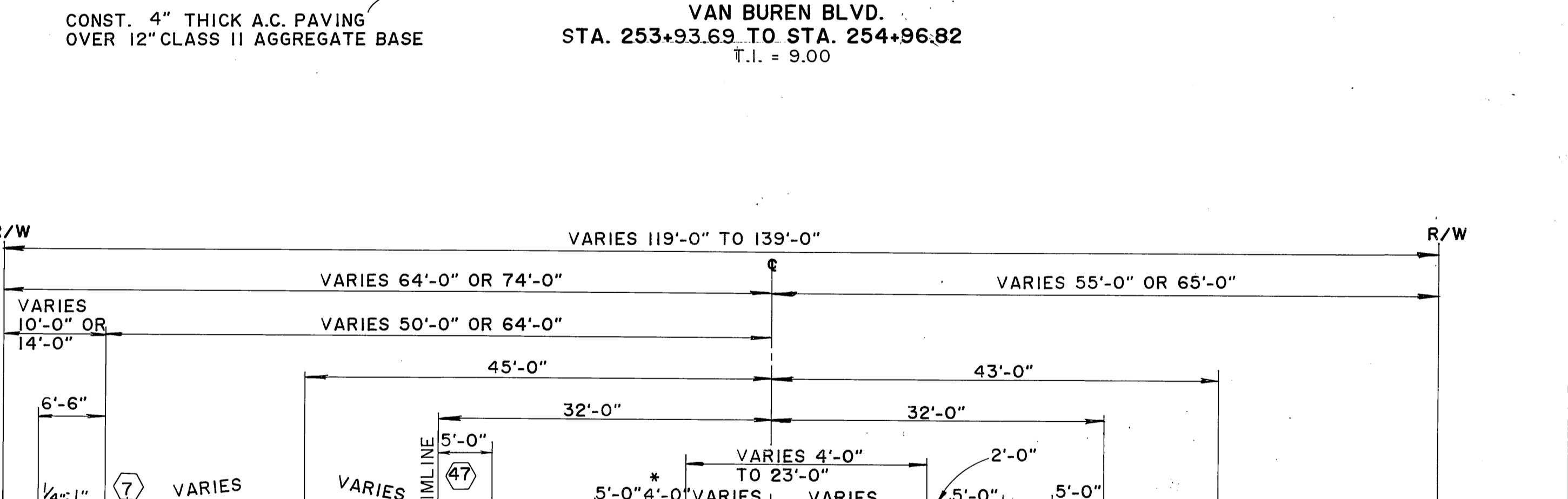
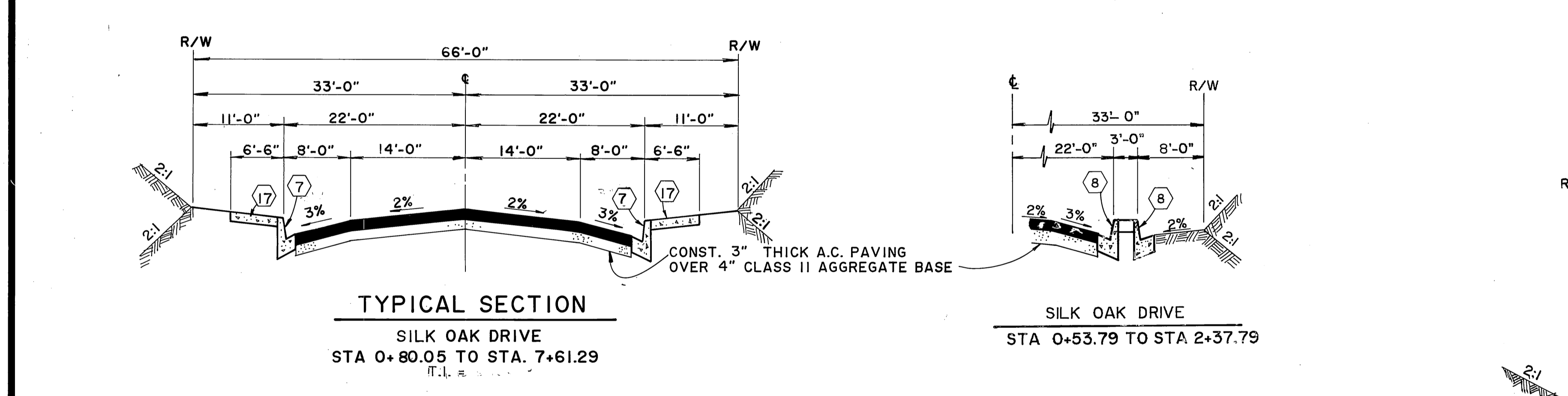
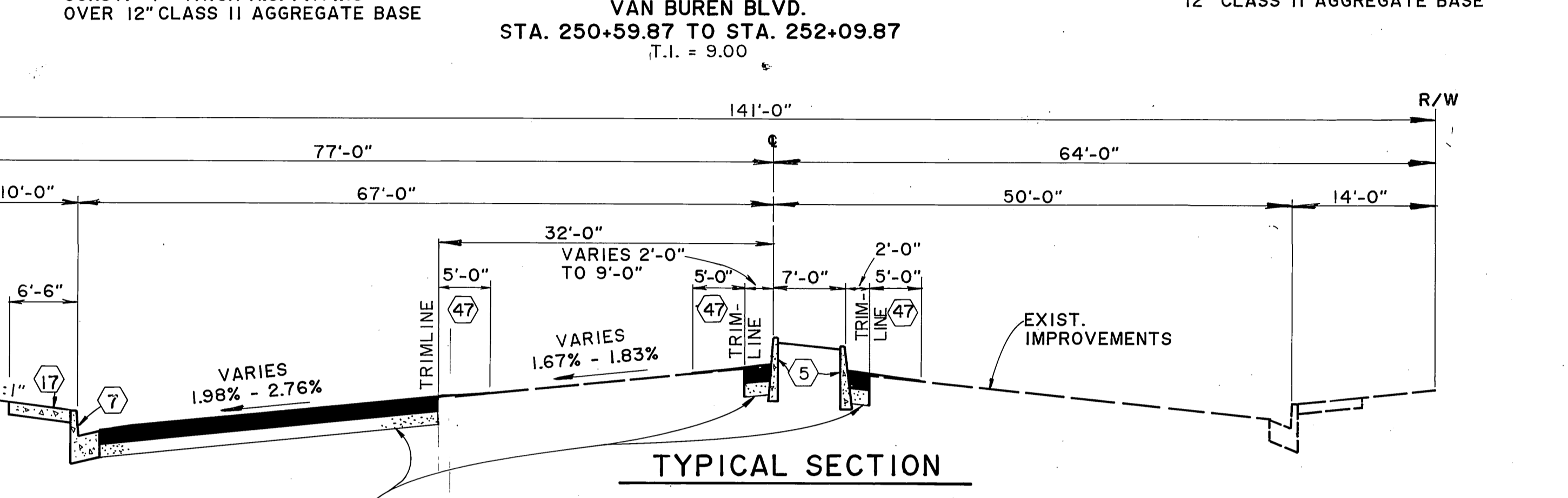
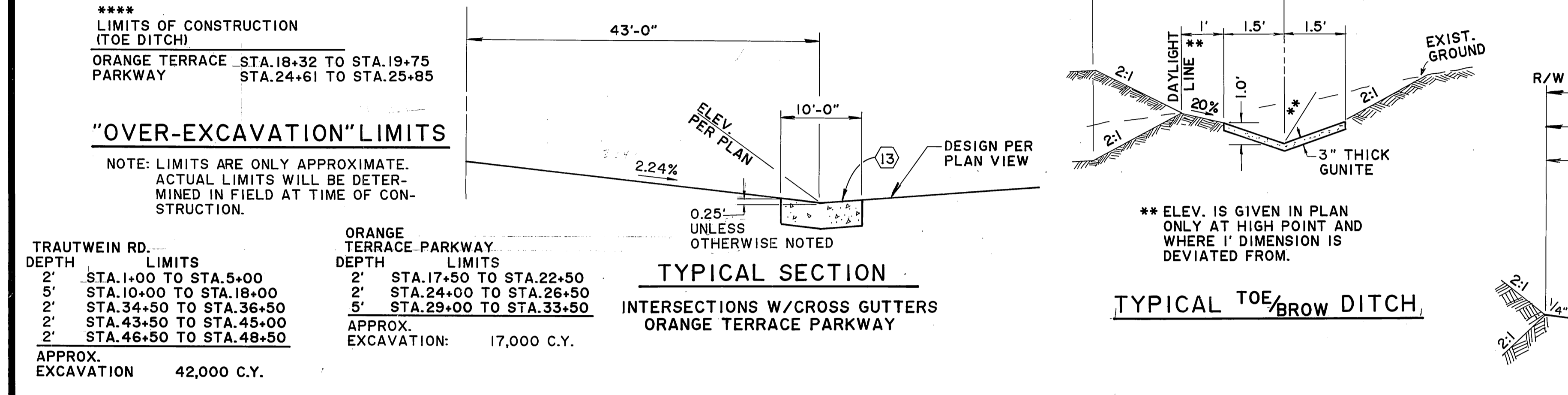
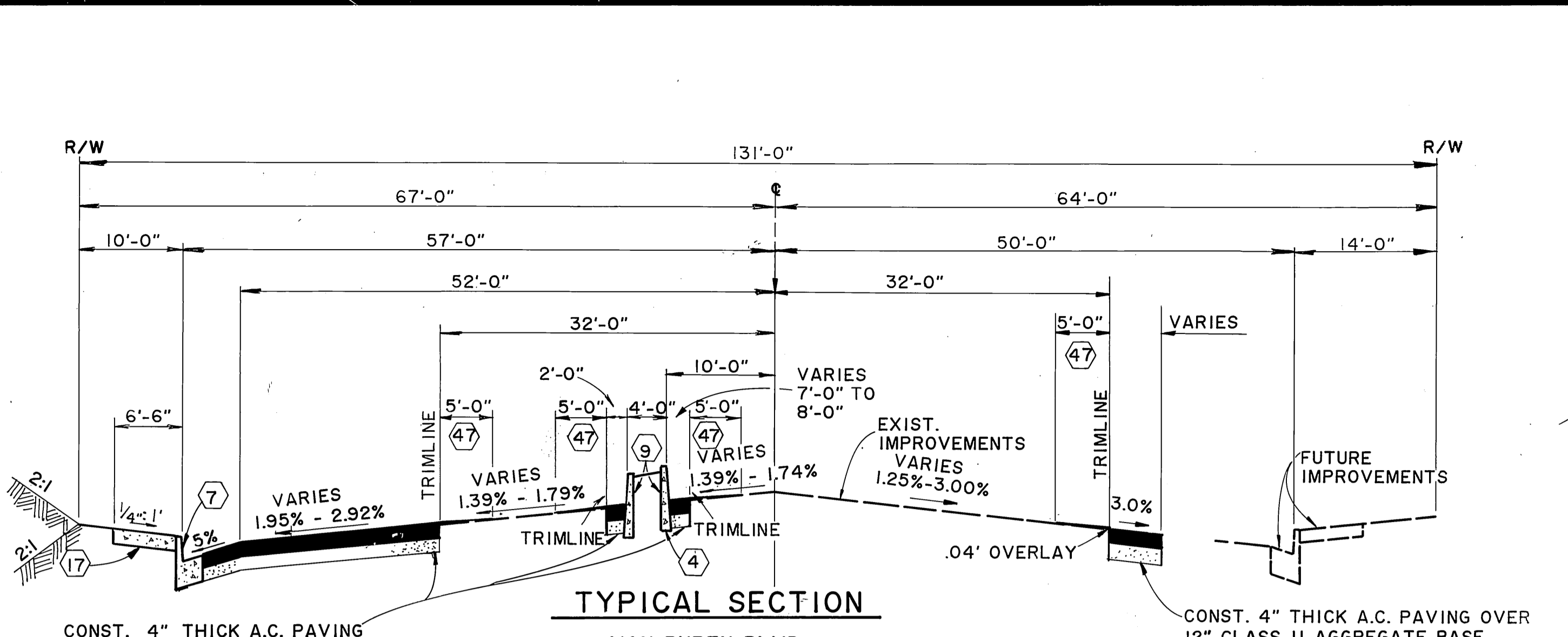
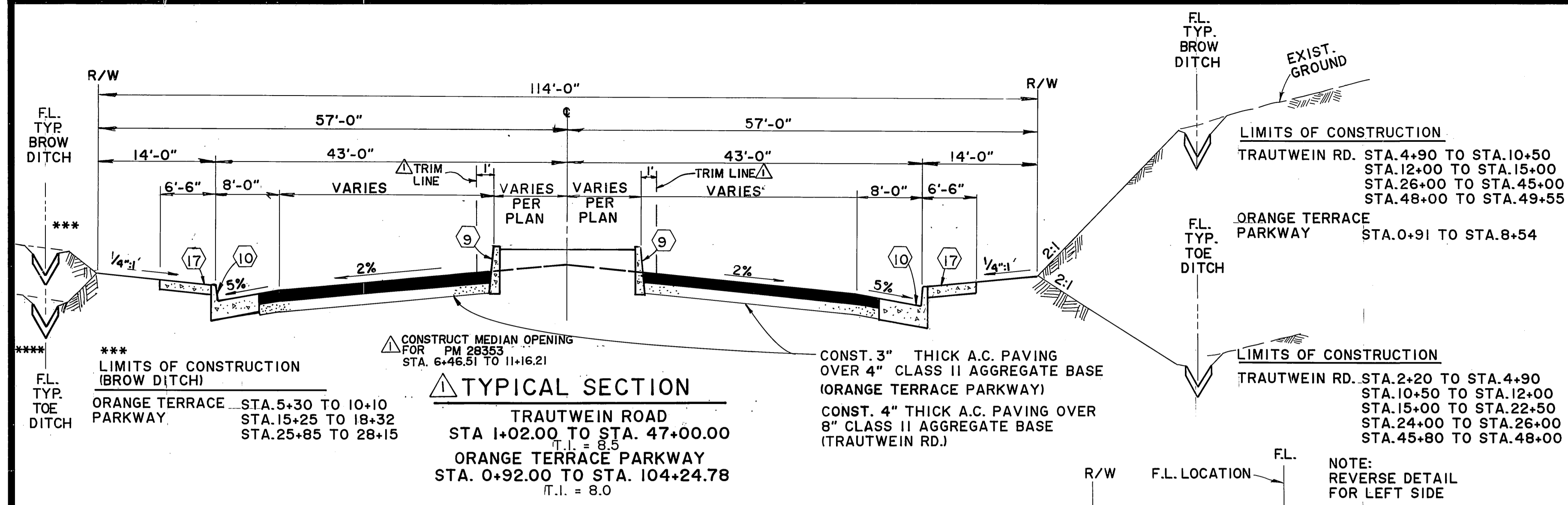
PREPARED UNDER THE DIRECTION OF:
[Signature]
REGISTERED CIVIL ENGINEER NO. 22522
EXPIRATION DATE 12/31/89 DATE: 8-29-88
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 886-0844 (714) 825-1082 (619) 346-9891

SCALE:	BENCH MARK:
DATE: OCT 1987	
DESIGNED BY: RDC	DRAWN BY: _____
CHECKED BY: _____	

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	
APPROVED BY: _____ PRINCIPAL ENGINEER	DATE: 10-23-88
APPROVED BY: <i>[Signature]</i> DIRECTOR OF PUBLIC WORKS	DATE: 3/23/89

CFD 86-1-3
WATER & SEWER INDEX SHEET
PROJECT NO. R-2971
SHEET 1A OF 106
FILE NO. 871005B
INDEXED 12-9-92 LFH



"OVER EXCAVATION" LIMITS

DEPTH	LIMITS
2'	STA. 0+00 TO STA. 6+30
APPROX. EXCAVATION	2,000 C.Y.

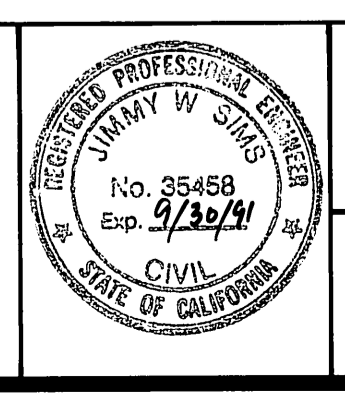
***NOTE:**
 STA. 315+50.00 TO STA. 319+50.00 CROSS-FALL "A" IS ACTUALLY FUTURE BIKELANE SLOPE

CROSSFALL TABLE

* STATION	"A" %	"B" %	STATION	"A" %	"B" %
315+50.00	1.13%	1.13%	323+00.00	-2.76%	-4.00%
316+00.00	1.94%	1.94%	323+19.07	-2.76%	-4.41%
316+50.00	4.67%	0.54%			
317+00.00	7.00%	-0.23%			
317+50.00	5.67%	-2.00%			
318+00.00	3.67%	-3.62%			
318+31.66	2.40%	-4.20%			
318+50.00	1.67%	-4.54%			
319+00.00	0.00%	-4.25%			
319+50.00	1.00%	-5.08%			
320+00.00	-	-5.46%			
320+50.00	-	-3.46%			
321+00.00	-2.76%	-3.77%			
321+50.00	-2.76%	-4.23%			
322+00.00	-2.76%	-4.59%			
322+50.00	-2.76%	-3.92%			

Underground Service Alert
 Call: TOLL FREE
 1-800 422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



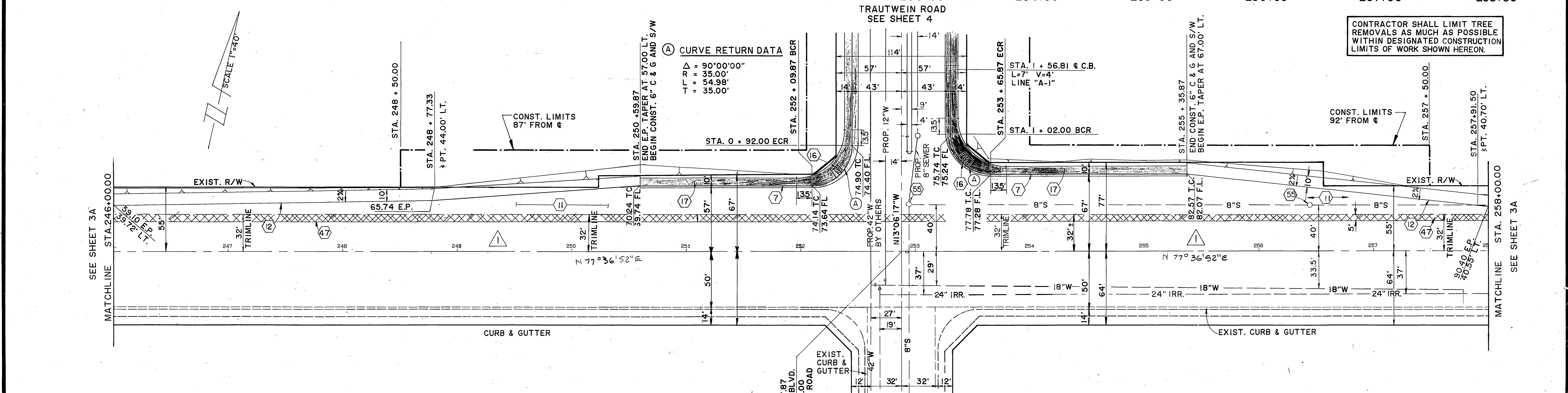
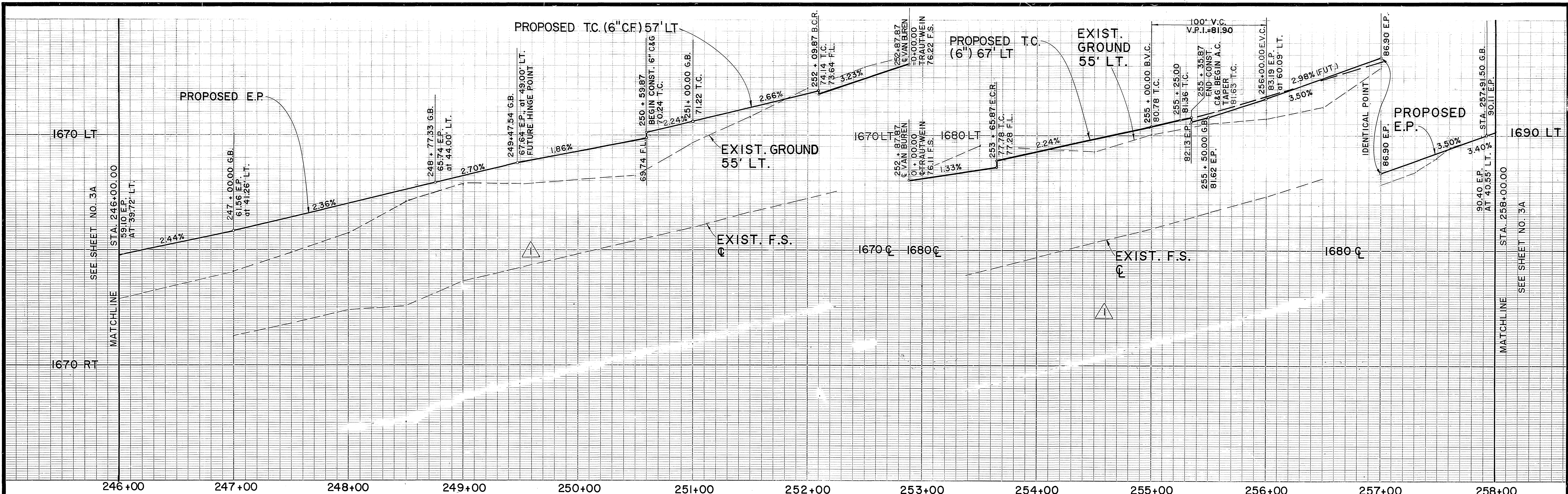
PREPARED UNDER THE DIRECTION OF:
J.F. Davidson
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE 9/30/91 DATE: 10/14/88
 APPROVED BY:
 DATE OCT. 1987

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 886-0844 (714) 825-1082 (619) 346-5691
 BENCH MARK:
 SEE SHEET No. 1

J.F.D. ASSOCIATES
 TRAUTWEIN MEDIAN OPENING FOR PM 28355-89
 REVISIONS
 APPR. DATE
 DESIGNED BY E.F. DRAWN BY J.S./C.M. CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: [Signature] DATE: 3/23/89
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
TYPICAL SECTIONS
 PROJECT NO. **R-2971**
 SHEET **2** OF **106**
 HORIZ. SCALE: 1" = 10'
 VERT. SCALE: 1" = 2'
 FILE NO. 8710058



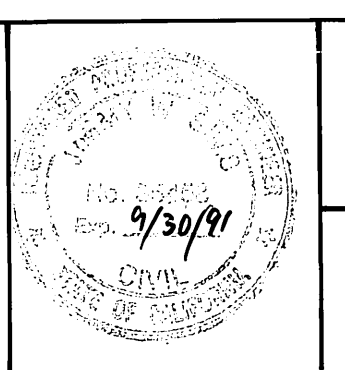
LEGEND
 INDICATES A.C. FEATHER.

VAN BUREN BOULEVARD

AS BUILT
 APPROVED BY: _____
 DATE: _____

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
Jimmy W. Smith
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE 9/30/91 DATE: 10/14/88
 APPROVED BY: _____

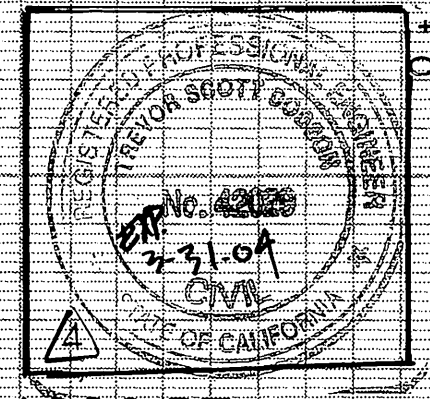
J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-089 EL PASO #103
 RIVERSIDE CA 92502 COLTON CA 92324 PALM DESERT CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5681
 SCALE: _____ BENCH MARK: _____
 DATE: OCT. 1987 SEE SHEET NO. 1.

MARK	REVISIONS	APPR.	DATE
▲	DELETED MEDIAN ISLAND		

DESIGNED BY: E.F. DRAWN BY: _____ CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ BY DATE: 10-23-89
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
VAN BUREN BLVD.
 STA. 245 + 17.83 TO STA. 258 + 60.87
 PROJECT NO. **R-2971**
 SHEET **3** OF **106**
 HORIZ. SCALE: 1" VERT. SCALE: 1"
 FILE NO. 8710058



REV # 4, 4/5 BY:
MDS CONSULTING
 17310 REDHILL AVE. SUITE 350
 IRVINE, CA 92614
 (949) 261-8881
 BUSINESS TAX CERTIFICATION
 # 00104442 EXP. 5/25/102

TREVOR S. DODSON
 REC # 44229

FOR RELOCATION OF WATER
 MAINS TO ACCOMMODATE
 EXISTING COMMERCIAL SITE
 AS STA. 74.47 PERON SITE WATER
 PLAN (AM. 150369) SHT 4/5

DATE: 1/5/02
 REC: 44229

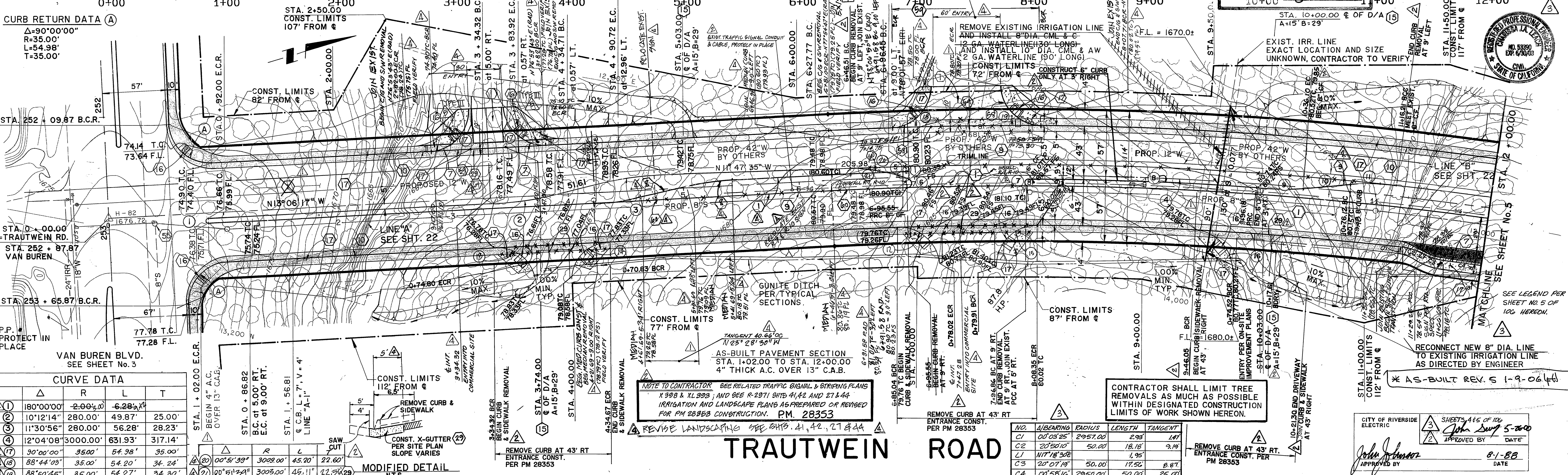
WESTERN MUNICIPAL
 WATER DISTRICT

(MEDIAN) LINE AND CURB DATA

NO.	DELTA/BEAR	RADIUS	LENGTH	TANGENT
1	22°58'52"	30.00	52.14	26.43
2	157°00'06"	4.00	10.96	9.66
3	180°00'00"	3.00	9.42	7.50
4	03°48'29"	2997.50	199.12	99.60
5	09°44'51"	260.00	48.67	20.08
6	112°04'05" W	210.00	40.41	20.27
7	90°20'36"	35.00	55.19	35.71
8	84°44'31"	35.00	51.77	31.93
9	78°10'56"	35.00	47.76	28.45
10	92°28'14"	35.00	53.30	33.45
11	84°33'19"	35.00	51.65	31.82

PLANS REVISED BY:
edk
 2000 W. RIVERSIDE BLVD. SUITE 100
 RIVERSIDE, CA 92503
 DATE: 4/10/02

CURB RETURN DATA (A)
 $\Delta=90^{\circ}00'00''$
 $R=35.00'$
 $L=54.98'$
 $T=35.00'$



CURVE DATA

Δ	R	L	T
1	180°00'00"	2.00	6.28
2	10°12'14"	280.00	49.87
3	11°30'56"	280.00	56.28
4	12°04'08"	3000.00	631.93
7	30°00'00"	35.00	54.98
8	88°44'03"	35.00	54.20
9	88°50'45"	35.00	54.27

MODIFIED DETAIL
 N.T.S.

TRAUTWEIN ROAD

Underground Service Alert
 Call: TOLL FREE
1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH
 GENERALLY ACCEPTED CONSTRUCTION PRACTICES CONSTRUCTION CONTRACTOR
 WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR
 LIABILITY FOR ANY SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION
 OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY,
 THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND
 NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR
 FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL
 HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS
 PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF
 DESIGN PROFESSIONAL

PREPARED UNDER THE DIRECTION OF:
John Dodson
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE: 9/30/91 DATE: 10/14/02

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493
 RIVERSIDE, CA 92502
 (714) 686-0844

11200 SO. MT. VERNON AVE. #D
 COLTON, CA 92324
 (714) 825-1082

73-080 EL PASO, #103
 PALM DESERT, CA 92260
 (619) 346-5691

BENCH MARK:
 SEE SHEET No. 1

DATE: OCT. 1987

DESIGNED BY: L.C.E.F. DRAWN BY: R.H. CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: [Signature]
 DATE: 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
TRAUTWEIN ROAD
 STA. 00+00.00 TO STA. 12+00.00

PROJECT NO. **R-2971**
 SHEET **4** OF **106**
 FILE NO. 8710058

APPROVED BY: [Signature]
 DATE: 8-1-88

RECONNECT NEW 8" DIA. LINE
 TO EXISTING IRRIGATION LINE
 AS DIRECTED BY ENGINEER

CONST. LIMITS
 87' FROM C

CONST. LIMITS
 82' FROM C

CONST. LIMITS
 107' FROM C

CONST. LIMITS
 117' FROM C

CONST. LIMITS
 117' FROM C

CONST. LIMITS
 117' FROM C

CONST. LIMITS
 117' FROM C

CONST. LIMITS
 117' FROM C

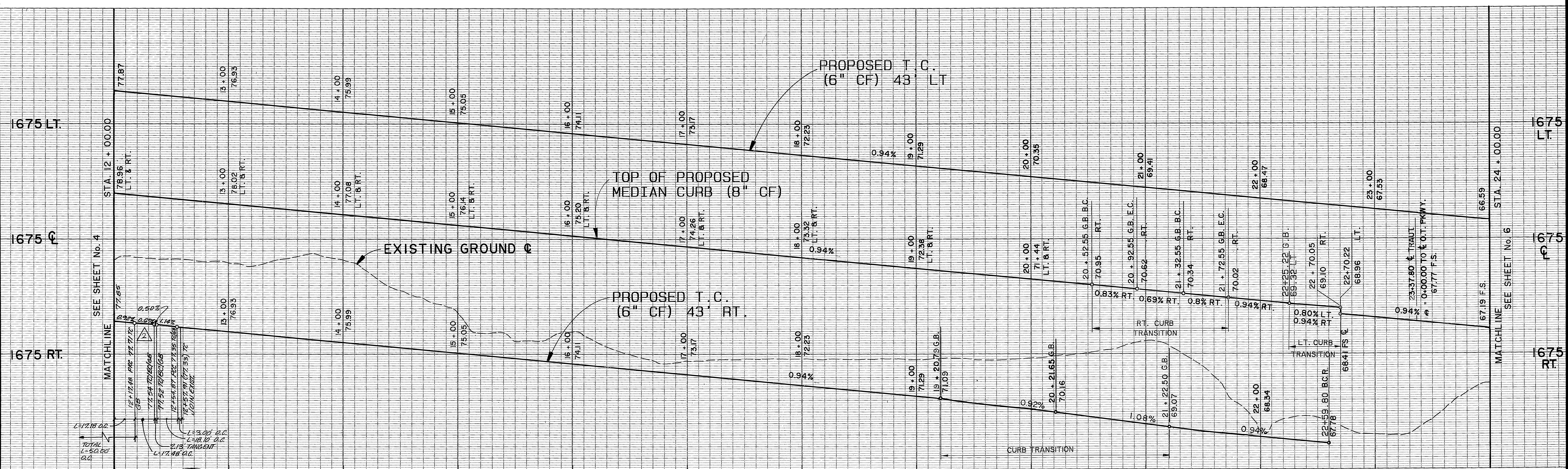
CONST. LIMITS
 117' FROM C

CONST. LIMITS
 117' FROM C

CONST. LIMITS
 117' FROM C

CONST. LIMITS
 117' FROM C

INDEXED 12-9-92 JH



PLANS REVISED BY:

adkan ENGINEERS

ENGINEERING • PLANNING • SURVEYING

6600 JEFFERSON DRIVE, RIVERSIDE, CA 92506

TEL: 951-514-1100 FAX: 951-514-1101

DATE: 4/10/89

UNDER THE SUPERVISION OF: *[Signature]*

REGISTERED PROFESSIONAL ENGINEER

NO. 53393 EXP. 6/30/03

CIVIL

STATE OF CALIFORNIA

LEGEND

INDICATES CONC. BUS PAD PER RTA SPECS. (SEE SECTION BELOW)

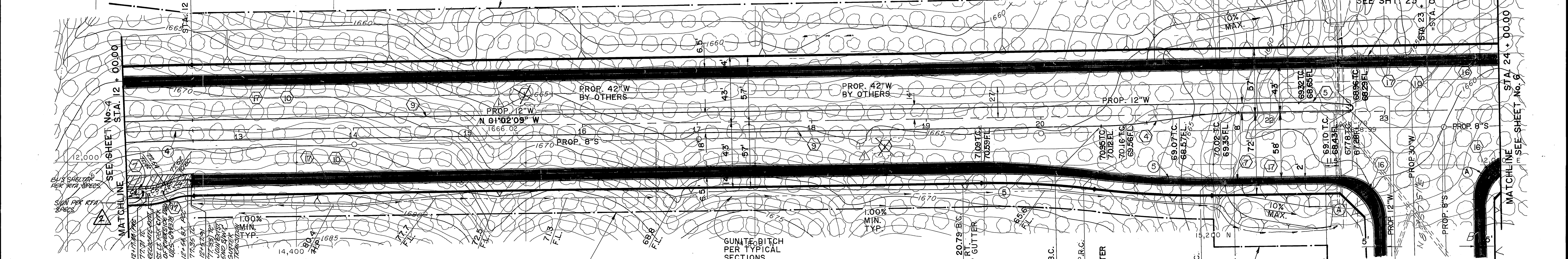
INDICATES CURB, GUTTER AND SIDEWALK REMOVAL

RIVERSIDE TRANSIT AGENCY

SHEETS 415 OF 106

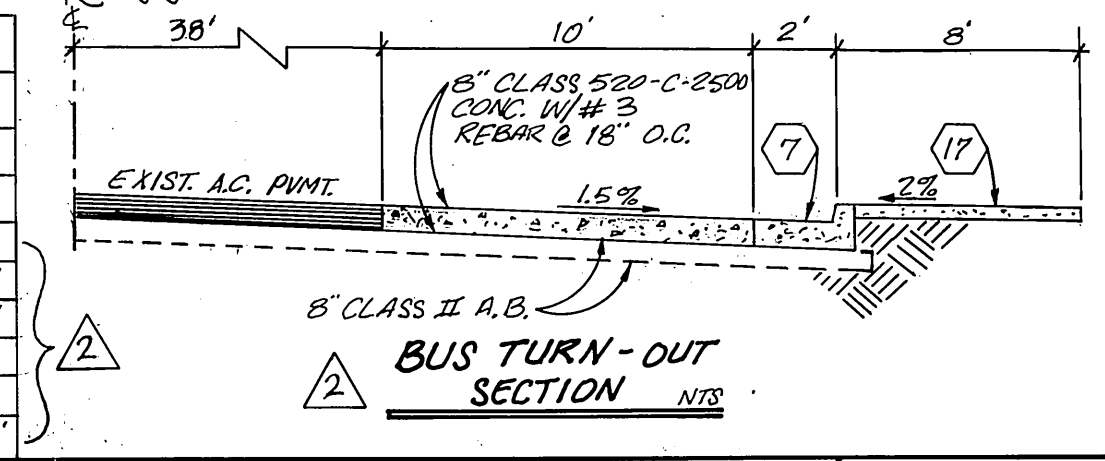
APPROVED BY: *[Signature]* DATE: May 25, 2000

CONTRACTOR SHALL LIMIT TREE REMOVALS AS MUCH AS POSSIBLE WITHIN DESIGNATED CONSTRUCTION LIMITS OF WORK SHOWN HEREON.



CURVE DATA

Δ	R	L	T	
④	12°04'08"	3000.00'	631.93'	317.14'
⑤	07°56'27"	730.00'	101.18'	50.67'
NO	Δ BEARING	RADIUS	LENGTH	TANGENT
C4	00°58'16"	2950.00'	50.00'	25.00'
C5	20°01'33"	50.00'	17.48'	8.85'
L2	N21°52'00"W		2.13'	
C6	27°44'25"	50.00'	18.10'	9.15'
C7	00°03'29"	2950.00'	3.00'	1.50'



AS BUILT

APPROVED BY: _____ DATE: _____

TRAUTWEIN ROAD

Underground Service Alert

Call: TOLL FREE 1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

PREPARED UNDER THE DIRECTION OF: *[Signature]*

J.F. DAVIDSON ASSOCIATES, INC.

CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103

RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260

(714) 886-0844 (714) 825-1082 (619) 346-5681

REGISTERED CIVIL ENGINEER NO. 35458

EXPIRATION DATE: 9/30/91 DATE: 12/14/88

APPROVED BY: _____ DATE: _____

BENCH MARK: SEE SHEET No. 1

DATE: OCT. 1987

MARK	REVISIONS	APPR.	DATE
△	BUS TURN-OUT STA 14+26.25 - 12+57.91	778	7/8/88
△	AS-BUILT		

DESIGNED BY: L.C. DRAWN BY: J.S. CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ DATE: 12/23/89

PRINCIPAL ENGINEER

PARK DEPARTMENT

TRAFFIC DIVISION

CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1-3

STREET IMPROVEMENT PLANS

TRAUTWEIN ROAD

STA. 12 + 00.00 STA. 24 + 00.00

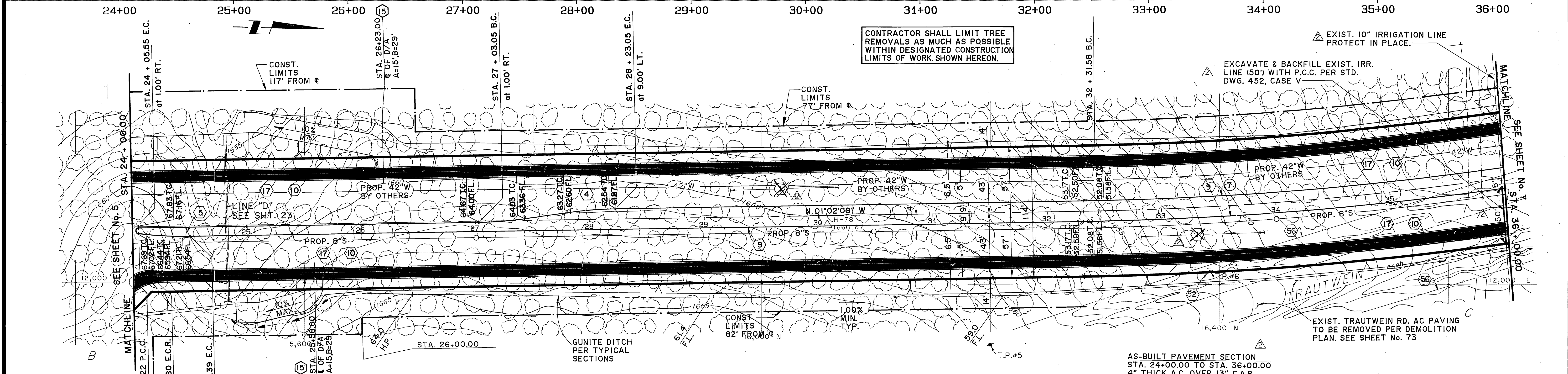
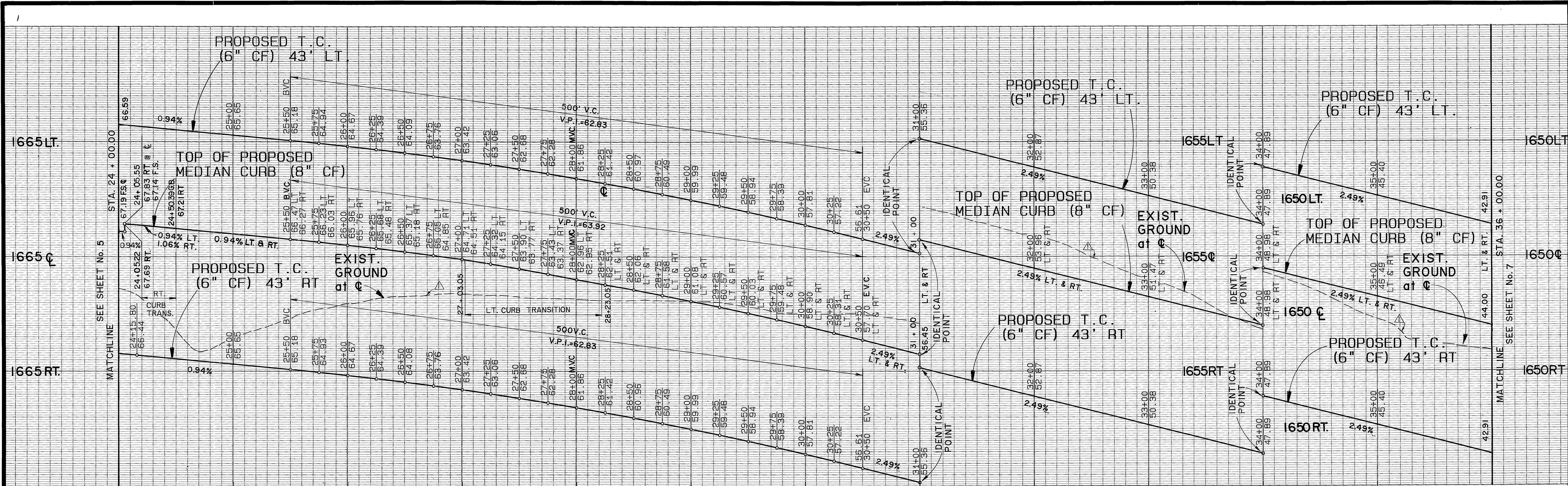
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. **R-2971**

SHEET **5** OF **106**

FILE NO. **8710058**

INDEXED 12-9-92



CURVE DATA

Δ	R	L	T	
⑦	16°02'12"	3000.00'	839.68'	422.60'

TRAUTWEIN ROAD

AS BUILT
 APPROVED BY: _____
 DATE: _____

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR'S FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

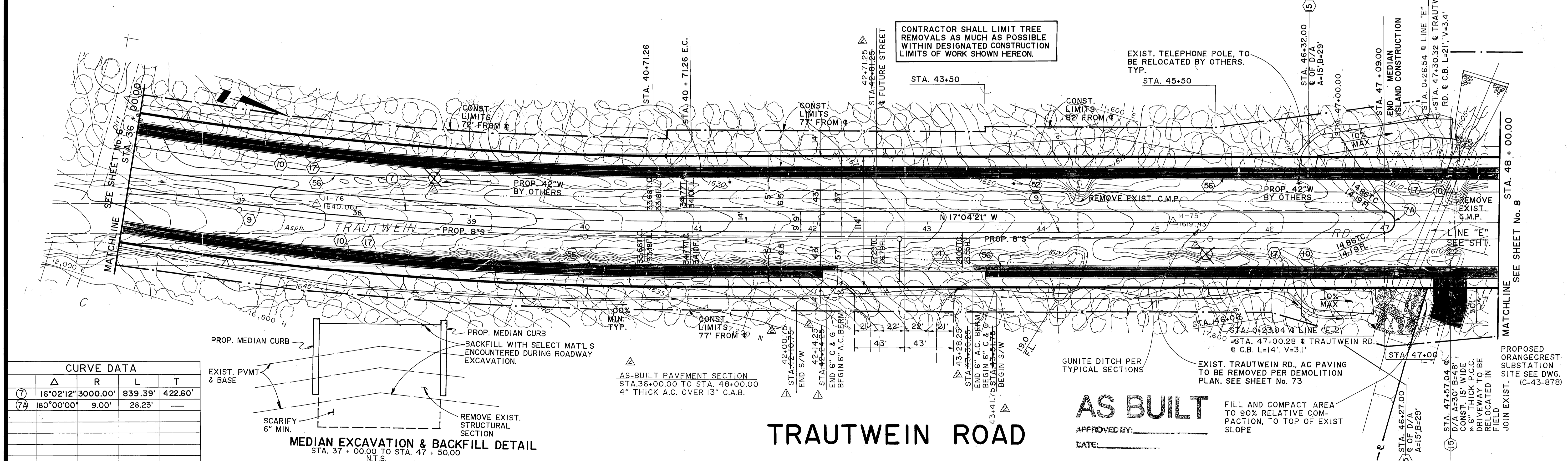
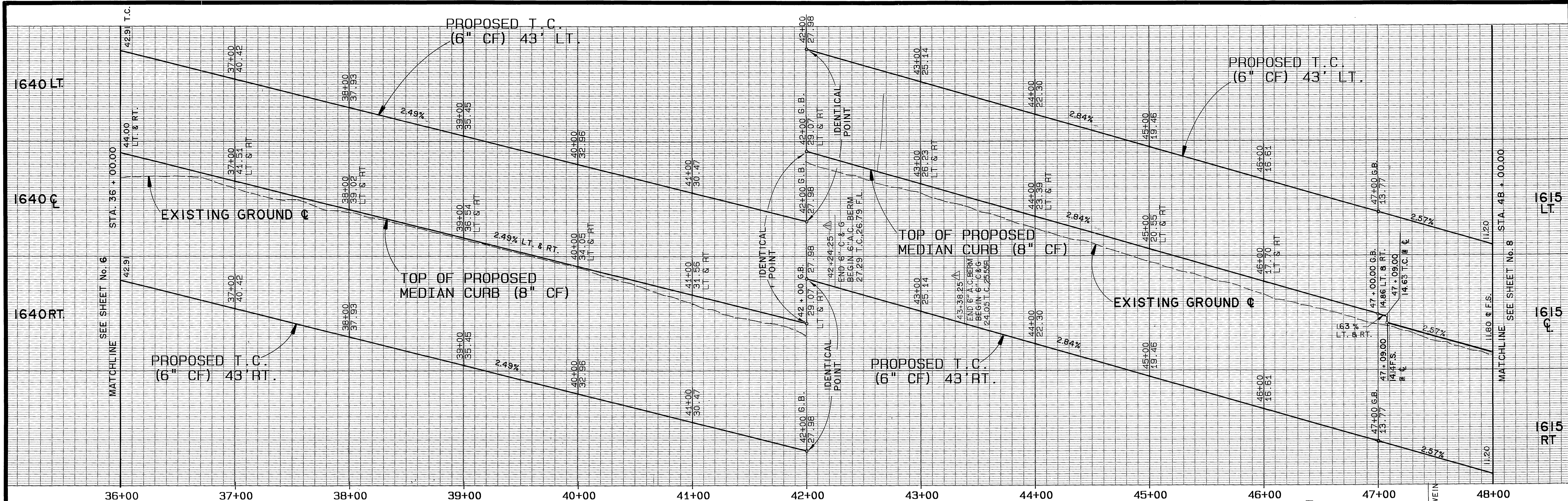
PREPARED UNDER THE DIRECTION OF:
William W. Davidson
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE: 9/30/91 DATE: 12/14/88
 APPROVED BY: _____
 BENCH MARK: SEE SHEET No. 1
 DATE: OCT. 1987

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 COLTON, CA 92524 PALM DESERT, CA 92260
 (714) 825-1082 (619) 346-6691

J.F.D. ASSOCIATES
 AS-BUILT
 CORRECTED EXIST. GND. PROFILE
 DESIGNED BY J.W.S. DRAWN BY J.S. CHECKED BY _____

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ DATE: 12/23/87
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR. _____ DATE: 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
TRAUTWEIN ROAD
 STA. 24 + 00.00 TO STA. 36 + 00.00
 PROJECT NO. **R-2971**
 SHEET **6** OF **106**
 FILE NO. 8710058
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'



CURVE DATA

Δ	R	L	T	
(7)	16°02'12"	3000.00'	839.39'	422.60'
(7A)	180°00'00"	9.00'	28.23'	—

Underground Service Alert

Call: TOLL FREE 1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

PREPARED UNDER THE DIRECTION OF: *J.F. Davidson*

REGISTERED CIVIL ENGINEER NO. 35458

EXPIRATION DATE: 9/30/91 DATE: 10/11/88

APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.

CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 688-0844 (714) 825-1082 (619) 346-5691

DATE: OCT. 1987

J.F.D. ASSOCIATES

AS-BUILT

ADDED CURB & S/W OPENING

DESIGNED BY J.W.S. DRAWN BY J.S. CHECKED BY _____

CITY OF RIVERSIDE, CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *Barry Best* DATE: 3/23/89

PRINCIPAL ENGINEER

TRAFFIC DIVISION

CFD 86-1-3

STREET IMPROVEMENT PLANS

TRAUTWEIN ROAD

STA. 36 + 00.00 . TO STA. 48 + 00.00

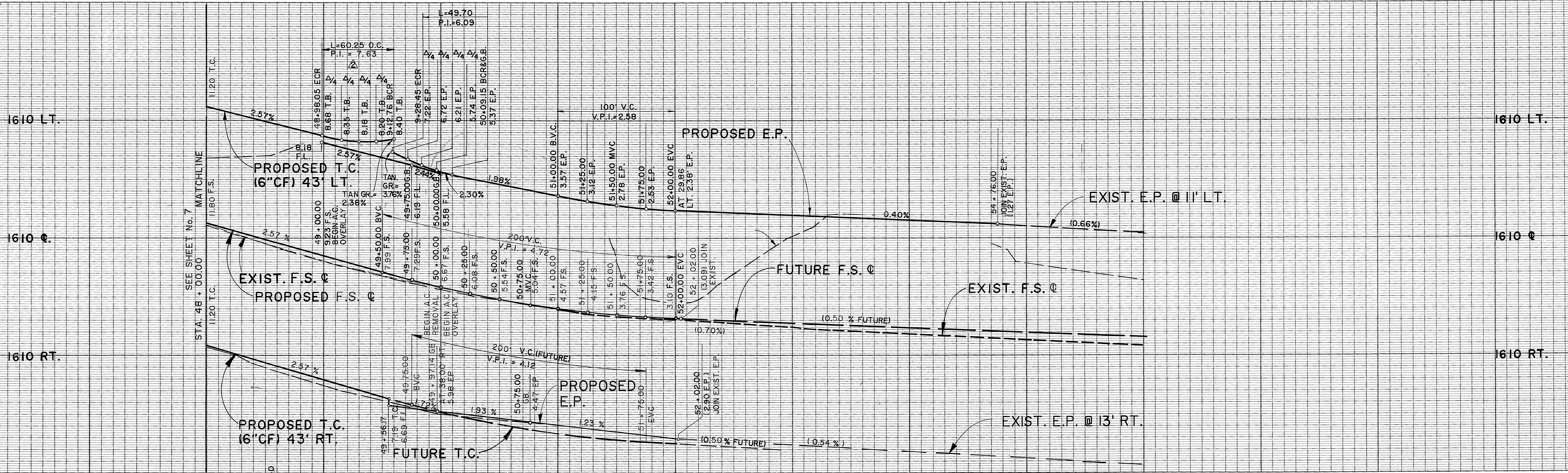
PROJECT NO. **R-2971**

SHEET **7** OF **106**

FILE NO. 8710058

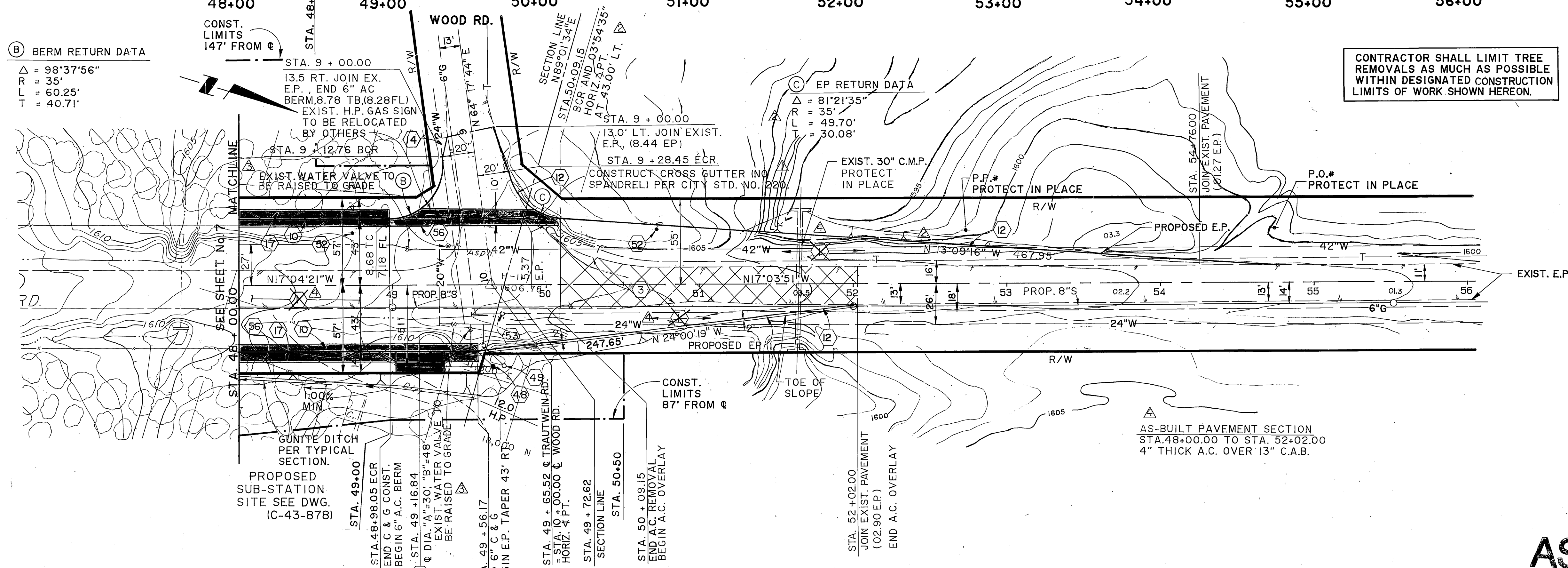
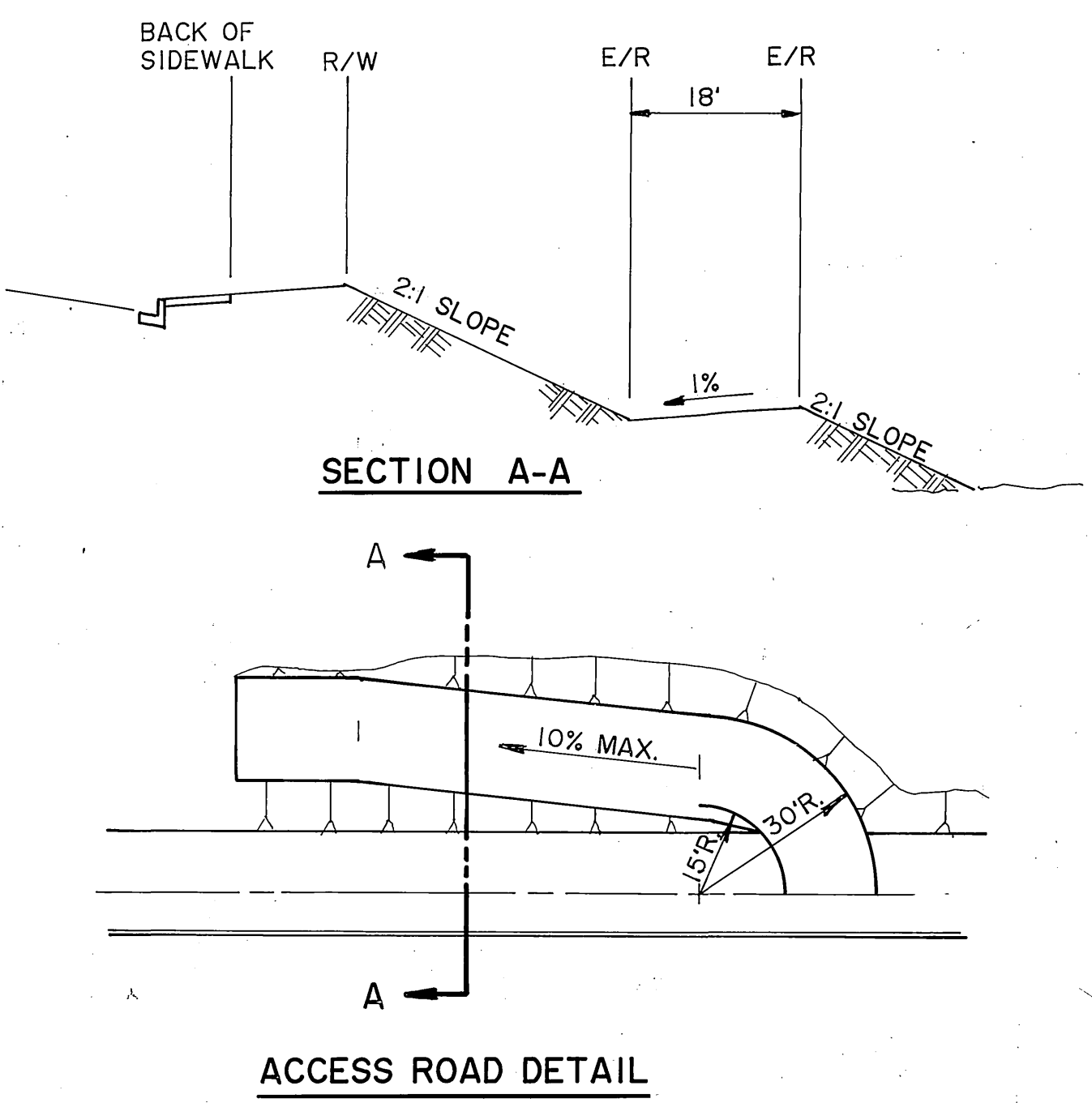
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

INDEXED 12-9-92 LH



(B) BERM RETURN DATA
 $\Delta = 98'37.56"$
 $R = 35'$
 $L = 60.25'$
 $T = 40.71'$

CONTRACTOR SHALL LIMIT TREE REMOVALS AS MUCH AS POSSIBLE WITHIN DESIGNATED CONSTRUCTION LIMITS OF WORK SHOWN HEREON.



LEGEND
 INDICATES VARIABLE THICKNESS A.C. OVERLAY

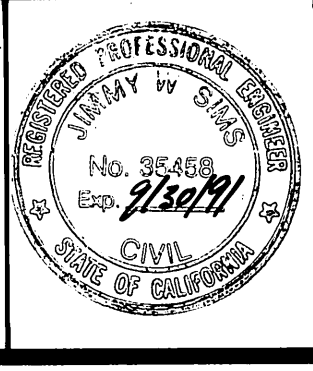
TRAUTWEIN ROAD

AS BUILT
 APPROVED BY: _____
 DATE: _____

CITY OF RIVERSIDE
 ELECTRIC
 APPROVED BY: *John Johnson* 8-1-88
 DATE: _____
 Approved by Western Municipal Water District for Construction
 Chief Engineer, RCE 17984
 DATE: 10-3-88
 VOID AFTER 1 YEAR FROM THIS DATE

Underground Service Alert
 Call: TOLL FREE 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



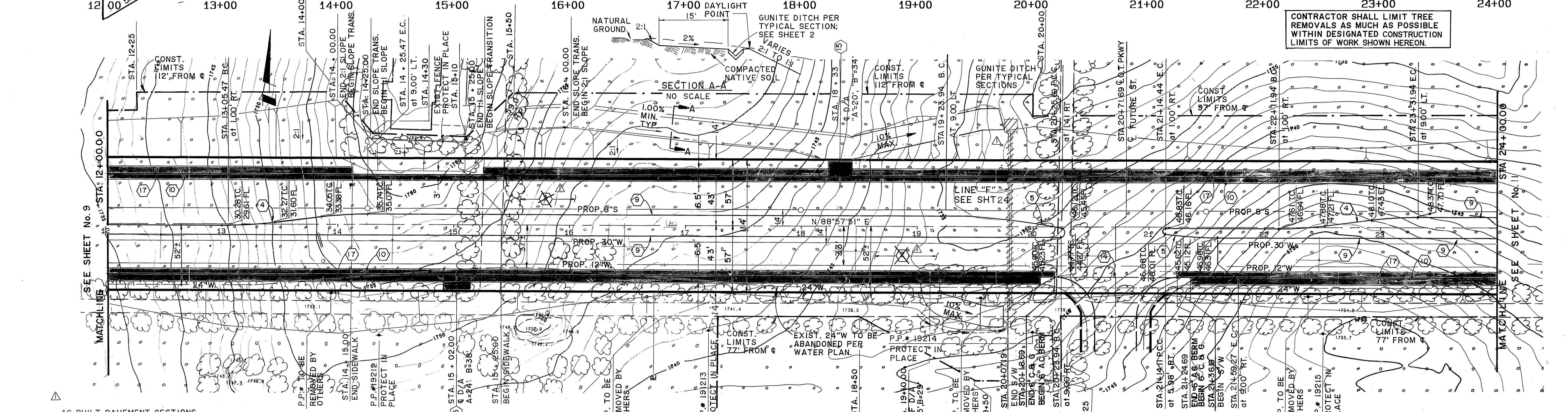
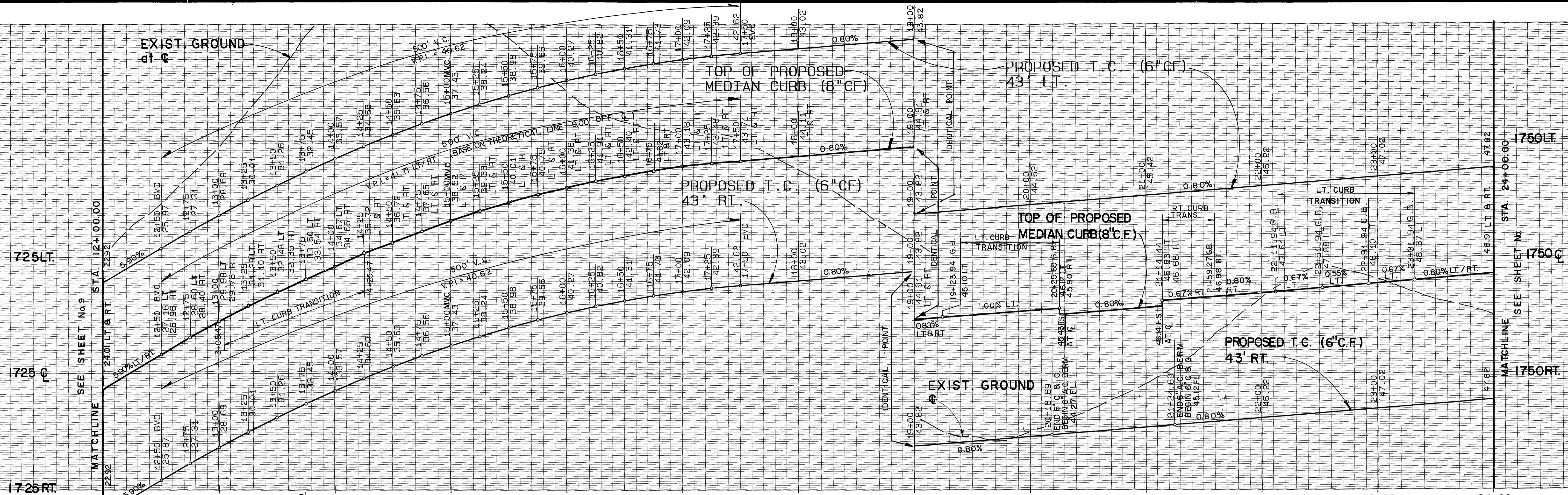
PREPARED UNDER THE DIRECTION OF:
Vernon W. Bism
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE: 9/30/91 DATE: 8/29/92
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691
 BENCH MARK: _____
 SEE SHEET No. 1
 DATE: OCT. 1987

AS-BUILTS	APPROVED BY: _____	DATE: 11-23-87
ADD ADJUST. W.V. TO GRADE.	TRAFFIC DIVISION	DATE: 11-23-87
REVISE E.P. TAPER & RETURN	CHIEF P.W. ENGR. _____	DATE: 11-23-87
ADD CONCRETE X-GUTTER	APPR. DATE: _____	
DESIGNED BY: E.F.	DRAWN BY: J.S.	CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *Barry Bed*
 DATE: 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
TRAUTWEIN ROAD
 STA. 48+00.00 TO STA. 49+65.52
 PROJECT NO. **R-2971**
 SHEET **8** OF **106**
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 FILE NO. 8710058
 INDEXED 12-9-92 Lft



AS-BUILT
 APPROVED BY: *John Johnson*
 DATE: 8-1-88

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

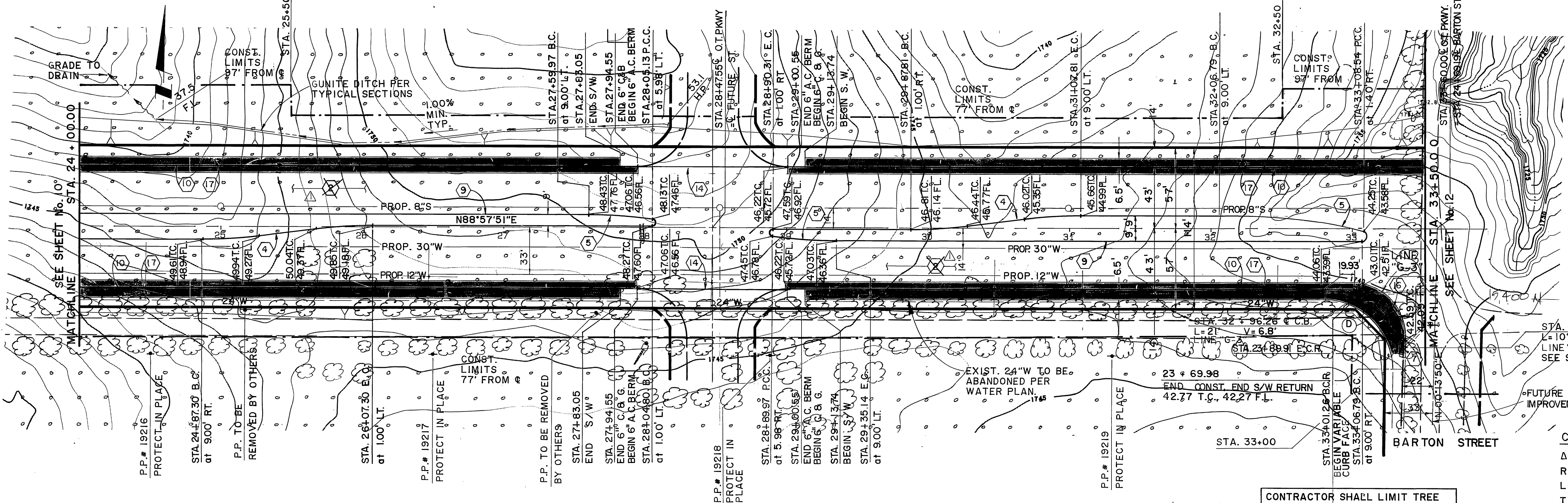
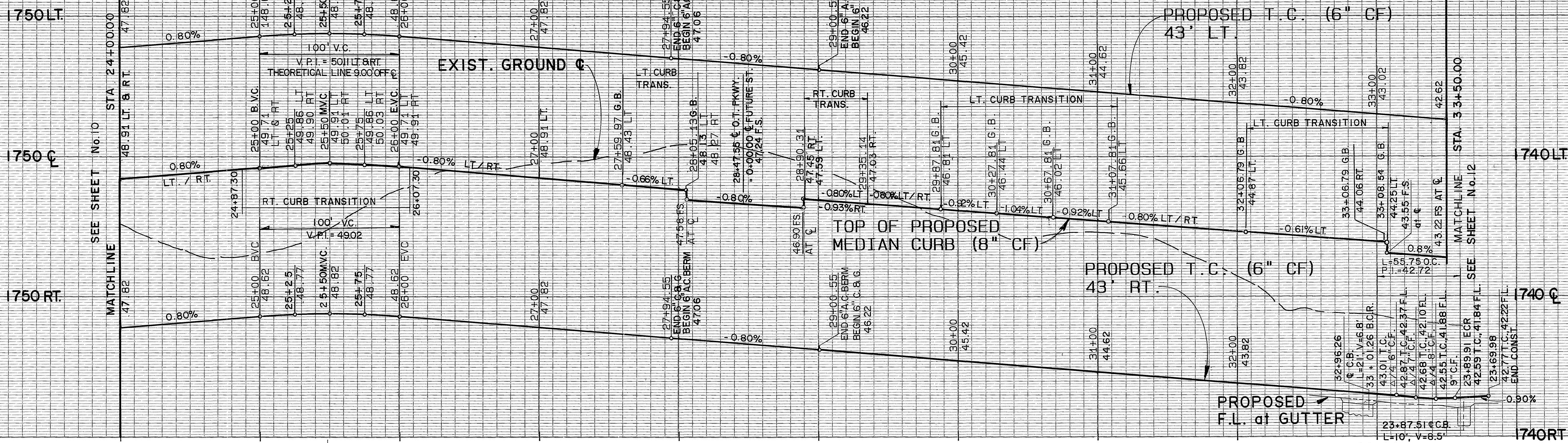
PREPARED UNDER THE DIRECTION OF:
Jimmy W. ...
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE: 9/30/91 DATE: 10/1/88
 APPROVED BY:

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92504 COLTON, CA 95324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691
 BENCH MARK: SEE SHEET No. 1
 DATE OCT. 1987

J.F.D. ASSOCIATES
 AS-BUILT
 DESIGNED BY: E.F. DRAWN BY: T.F.E. CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *Barry Beal*
 TRAFFIC DIVISION: *3-22*
 CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1-3
 STREET IMPROVEMENT PLANS
ORANGE TERRACE PKWY
 STA. 12 + 00.00 TO STA. 24 + 00.00
 PROJECT NO. **R-2971**
 SHEET **10** OF **106**
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 FILE NO. 8710058
 INDEXED 12-9-92 LFT



AS-BUILT PAVEMENT SECTIONS
 STA. 24+00.00 TO STA. 29+00.55
 3" THICK A.C. OVER 9" C.A.B.
 STA. 29+00.55 TO STA. 33+01.26
 3" THICK A.C. OVER 13" C.A.B.
 STA. 33+01.26 TO STA. 33+50.00, LEFT SIDE
 3" THICK A.C. OVER 5.5" C.A.B.
 STA. 33+01.26 TO STA. 33+50.00 RIGHT SIDE
 3" THICK A.C. OVER 8" C.A.B.

AS BUILT
 APPROVED BY: _____
 DATE: _____

CURB RETURN DATA
 $\Delta = 91^{\circ} 15' 59''$
 $R = 35.00'$
 $L = 55.75'$
 $T = 35.78'$

CONTRACTOR SHALL LIMIT TREE REMOVALS AS MUCH AS POSSIBLE WITHIN DESIGNATED CONSTRUCTION LIMITS OF WORK SHOWN HEREON.

ORANGE TERRACE PARKWAY

Underground Service Alert
 Call: TOLL FREE
1-800 422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

REGISTERED PROFESSIONAL
 CIVIL ENGINEER
 No. 35458
 Exp. 1/23/91
 STATE OF CALIFORNIA

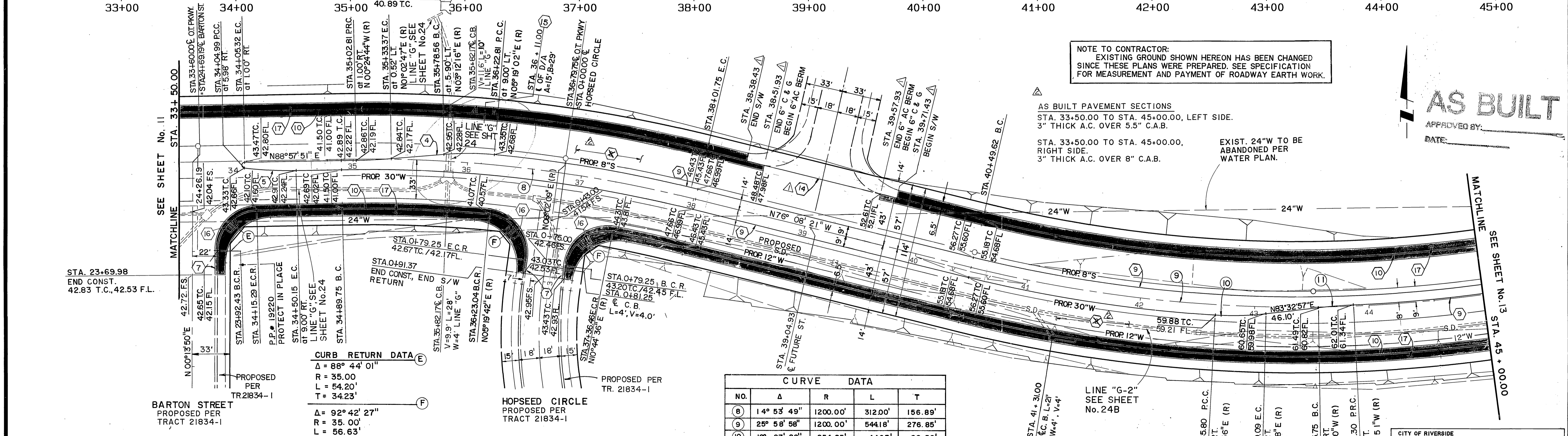
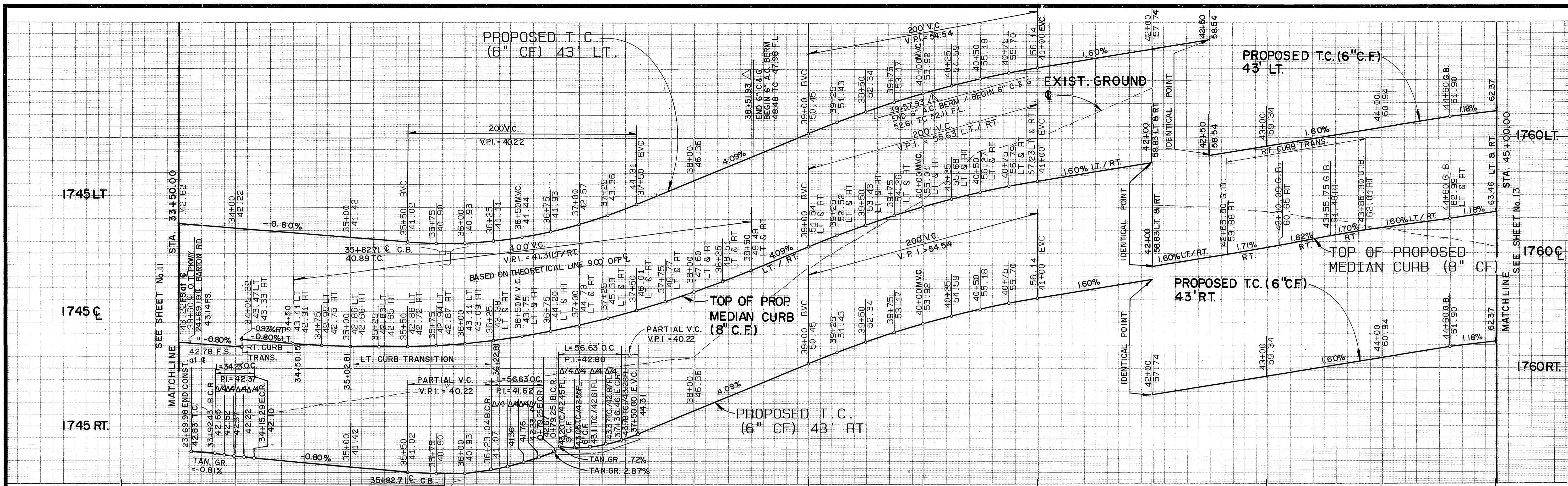
PREPARED UNDER THE DIRECTION OF:
James W. Davidson
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE 9/30/91 DATE: 10/14/87
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-060 EL PASO, #103
 RIVERSIDE, CA 92502 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-6691
 BENCH MARK: SEE SHEET No. 1
 DATE OCT. 1987

J.F.D. ASSOCIATES
 AS-BUILT
 DESIGNED BY E.F. DRAWN BY J.F.E. CHECKED BY _____

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ DATE: 10-23-87
 APPROVED BY: *Barry Beal* DATE: 3/23/89
 CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1-3
 STREET IMPROVEMENT PLANS
ORANGE TERRACE PKWY
 STA. 24 + 00.00 TO STA. 33 + 50.00
 PROJECT NO. **R-2971**
 SHEET **11** OF **106**
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 FILE NO. 8710058
 INDEXED 12-9-92 LFL



NOTE TO CONTRACTOR:
EXISTING GROUND SHOWN HEREON HAS BEEN CHANGED
SINCE THESE PLANS WERE PREPARED. SEE SPECIFICATION
FOR MEASUREMENT AND PAYMENT OF ROADWAY EARTH WORK.

AS BUILT PAVEMENT SECTIONS
STA. 33+50.00 TO STA. 45+00.00, LEFT SIDE.
3" THICK A.C. OVER 5.5" C.A.B.

STA. 33+50.00 TO STA. 45+00.00,
RIGHT SIDE.
3" THICK A.C. OVER 8" C.A.B.

EXIST. 24"W TO BE
ABANDONED PER
WATER PLAN.

AS BUILT
APPROVED BY: _____
DATE: _____

NO.	Δ	R	L	T
(8)	14° 53' 49"	1200.00'	312.00'	156.89'
(9)	25° 58' 58"	1200.00'	544.18'	276.85'
(10)	10° 07' 28"	254.25'	44.93'	22.52'
(11)	04° 14' 10"	413.73'	30.59'	15.30'

ORANGE TERRACE

PARKWAY

Underground Service Alert
Call: TOLL FREE
1-800
422-4133

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH
GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION
CONTRACTOR WILL BE REQUIRED TO OBTAIN AND COMPLETE RESPONS-
IBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION
OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY.
THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND
NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CON-
TRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN
PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR
ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS
PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF
DESIGN PROFESSIONAL.

PREPARED UNDER THE DIRECTION OF:
Wm. W. Smith
REGISTERED CIVIL ENGINEER NO. 35458
EXPIRATION DATE: 9/30/91 DATE: 10/14/88

APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 498 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
COLTON, CA 92502 □ PALM DESERT, CA 92260
(714) 686-0844 (619) 346-5691

BENCH MARK: _____
DATE: OCT. 1987
SEE SHEET No. 1

J.F.D. ASSOCIATES

DESIGNED BY: E.F. DRAWN BY: T.E.E. CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

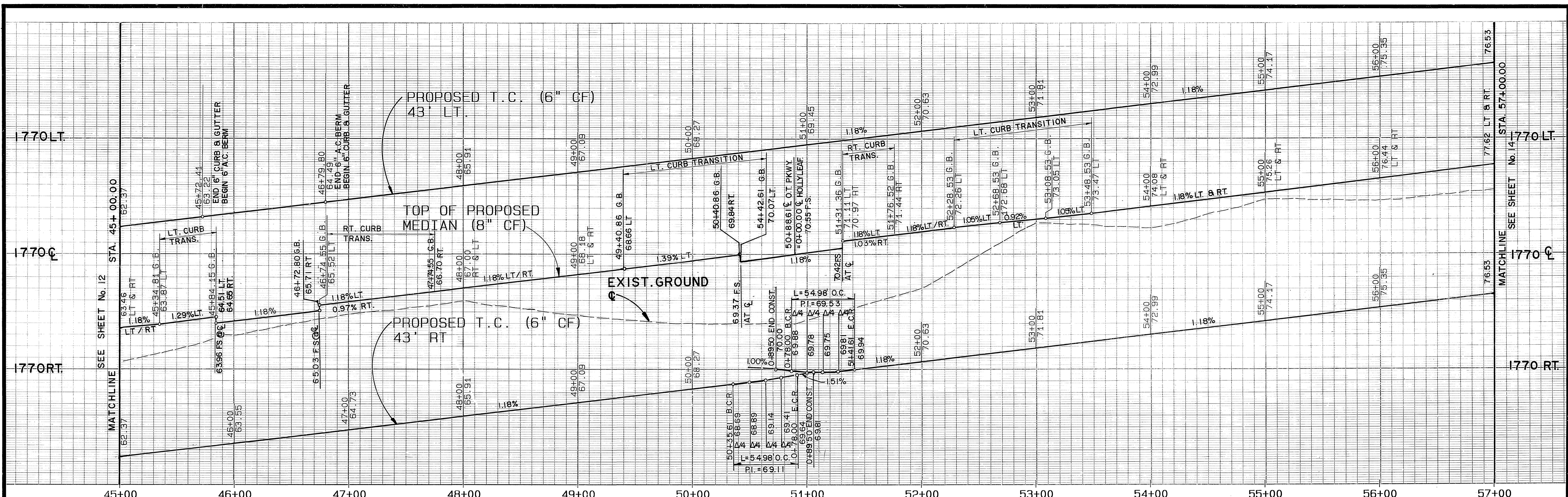
APPROVED BY: _____
PRINCIPAL ENGINEER
TRAFFIC DIVISION
DATE: 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
ORANGE TERRACE PKWY
STA. 33 + 50.00 TO STA. 45 + 00.00

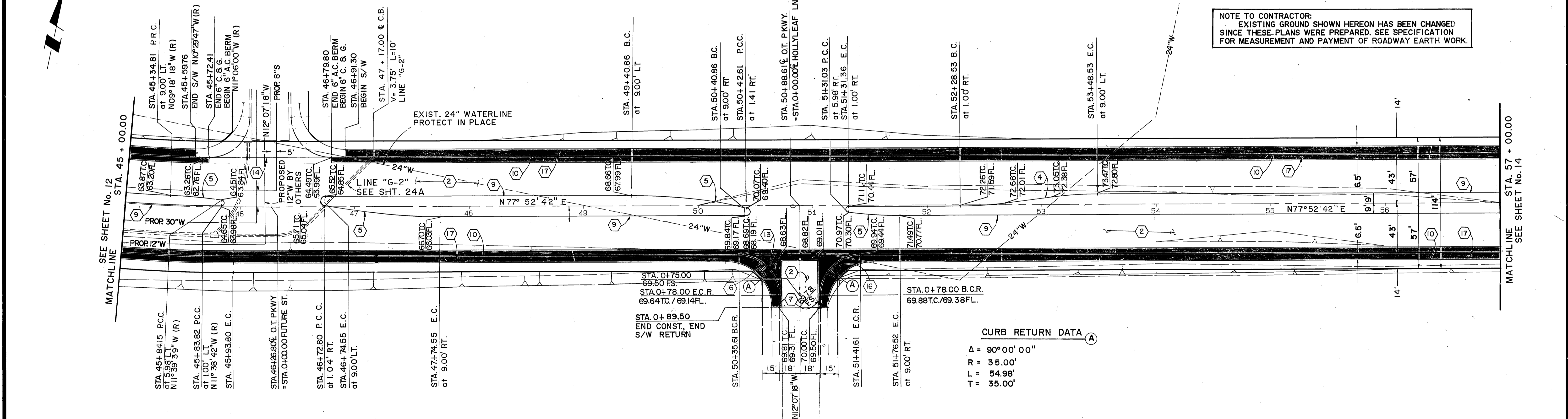
PROJECT NO. **R-2971**
SHEET **12** OF **106**
FILE NO. 8710058

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

INDEXED 12-9-92 fth



45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00



NOTE TO CONTRACTOR:
 EXISTING GROUND SHOWN HEREON HAS BEEN CHANGED
 SINCE THESE PLANS WERE PREPARED. SEE SPECIFICATION
 FOR MEASUREMENT AND PAYMENT OF ROADWAY EARTH WORK.

ORANGE TERRACE PARKWAY

HOLLY LEAF LANE
 PROPOSED PER
 TRACT 21834-3

Underground Service Alert
 Call: TOLL FREE
 1-800
 422-4133

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH
 GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR
 WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR
 JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION
 OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY,
 THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND
 NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR
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 PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR
 ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS
 PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF
 DESIGN PROFESSIONAL

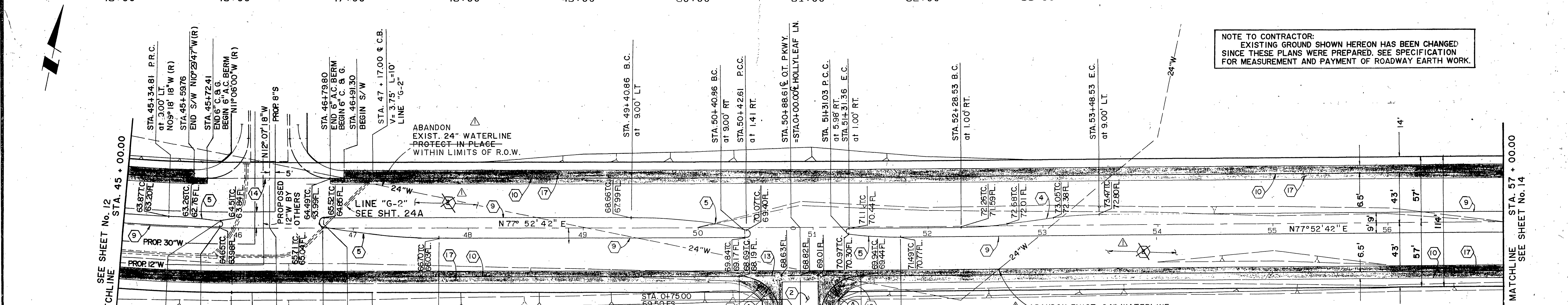
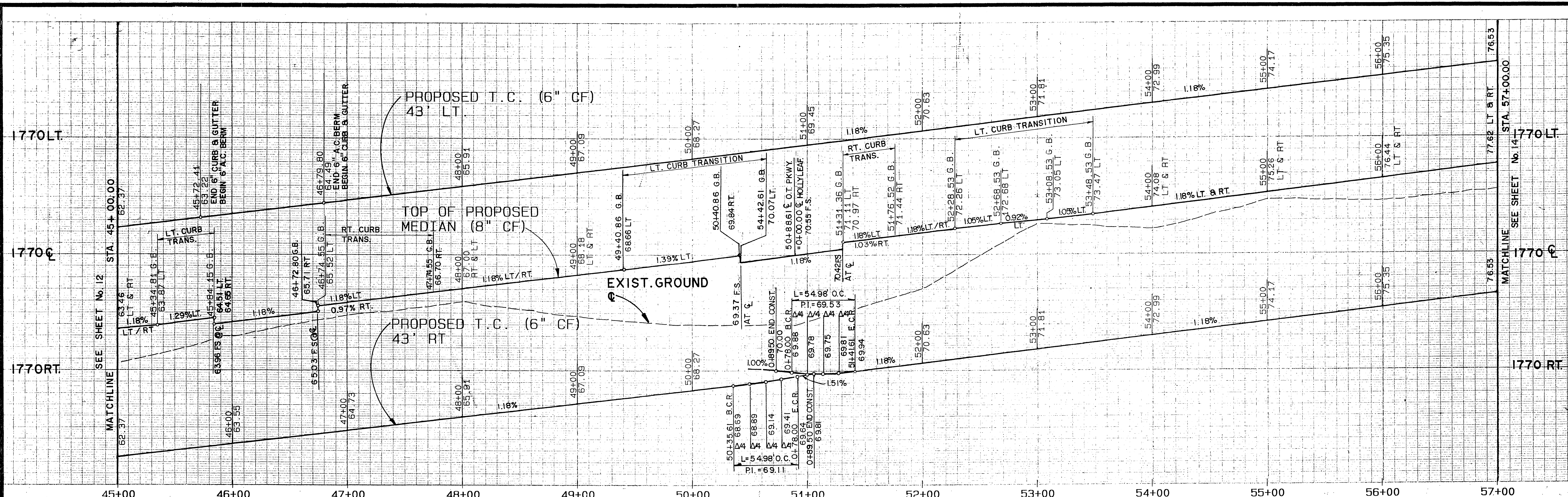
PREPARED UNDER THE DIRECTION OF:
Wm. J. Davidson
J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE 9/30/94 DATE: 01/14/94

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 75-080 EL. PASEO, #103
 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 886-0844 (714) 825-1082 (619) 346-5681

J.F.D. ASSOCIATES
 MARK REVISIONS APPR. DATE
 DESIGNED BY E.F. DRAWN BY T.F.E. CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *Barry Bond*
 DIRECTOR OF PUBLIC WORKS
 DATE: 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
ORANGE TERRACE PKWY
 STA. 45 + 00.00 TO STA. 57 + 00.00
 PROJECT NO. **R-2971**
 SHEET **13** OF **106**
 FILE NO. 8710058



NOTE TO CONTRACTOR:
EXISTING GROUND SHOWN HEREON HAS BEEN CHANGED
SINCE THESE PLANS WERE PREPARED. SEE SPECIFICATION
FOR MEASUREMENT AND PAYMENT OF ROADWAY EARTH WORK.

CURB RETURN DATA
A = 90°00'00"
R = 35.00'
L = 54.98'
T = 35.00'

AS-BUILT PAVEMENT SECTIONS
STA. 45+00.00 TO STA. 57+00.00, LEFT SIDE
3" THICK A.C. OVER 5.5" C.A.B.
STA. 45+00.00 TO STA. 57+00.00, RIGHT SIDE
3" THICK A.C. OVER 8" C.A.B.

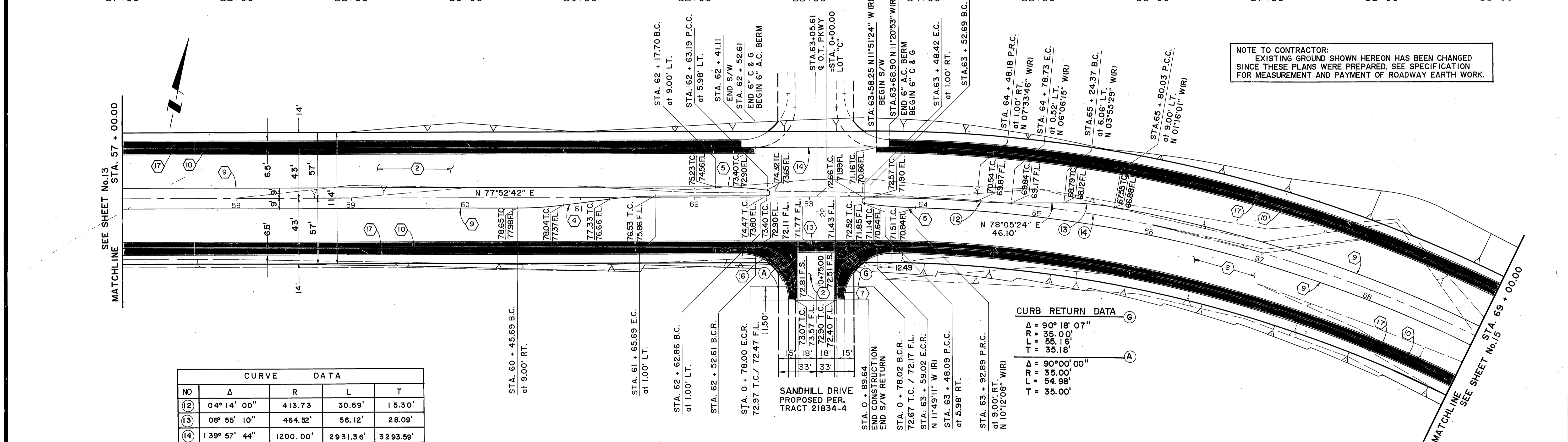
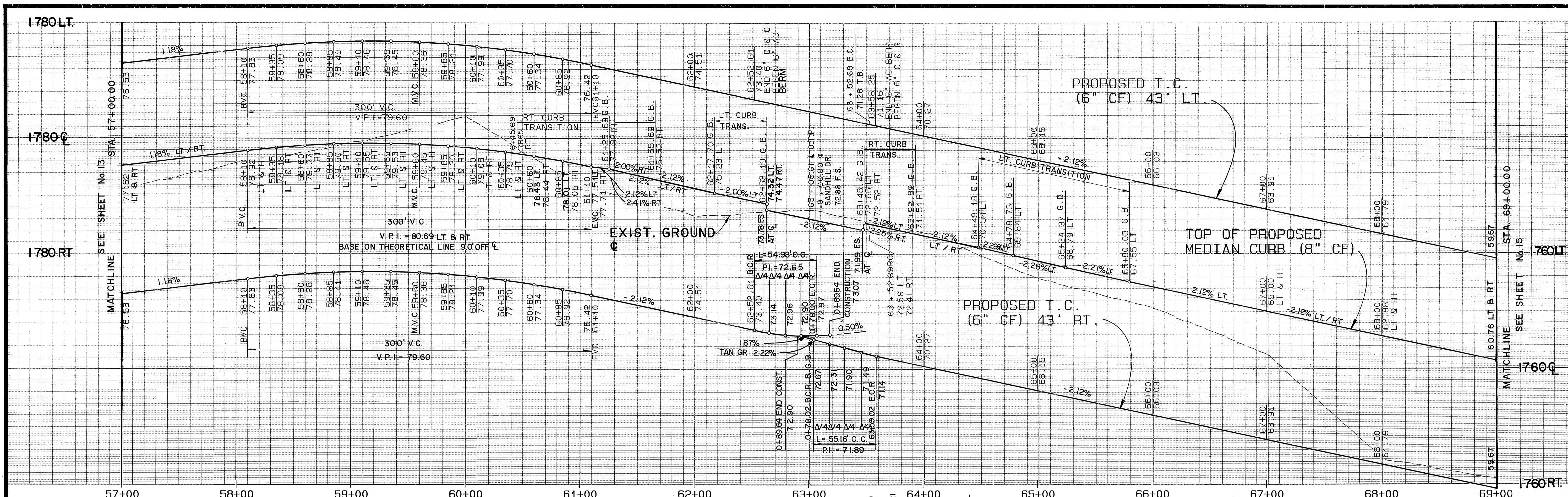
AS BUILT

APPROVED BY: _____
DATE: _____

ORANGE TERRACE PARKWAY

HOLLY LEAF LANE
PROPOSED PER
TRACT 21834-3

<p>Underground Service Alert Call: TOLL FREE 1-800-422-4133</p>	<p>PRIVATE ENGINEERING NOTE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.</p>	<p>PREPARED UNDER THE DIRECTION OF: <i>William W. St...</i> REGISTERED CIVIL ENGINEER NO. 35458 EXPIRATION DATE: 9/30/91 DATE: 10/14/90</p>	<p>J.F. DAVIDSON ASSOCIATES, INC. CIVIL ENGINEERS • SURVEYORS • PLANNERS P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260 (714) 686-0844 (714) 825-1082 (619) 346-5691</p>	<p>CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS</p>	<p>CFD 86-1-3 STREET IMPROVEMENT PLANS ORANGE TERRACE PKWY STA. 45 + 00.00 TO STA. 57 + 00.00</p>	<p>PROJECT NO. R-2971 SHEET 13 OF 106 FILE NO. 871005B</p>



CURVE DATA				
NO	Δ	R	L	T
(2)	04° 14' 00"	413.73	30.59'	15.30'
(13)	06° 55' 10"	464.52'	56.12'	28.09'
(14)	139° 57' 44"	1200.00'	2931.36'	3293.59'

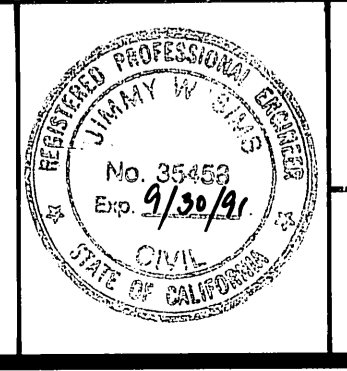
CURB RETURN DATA	
Δ	90° 18' 07"
T	35.00'
T	35.10'
Δ	90° 00' 00"
T	35.00'
T	35.00'

NOTE TO CONTRACTOR:
EXISTING GROUND SHOWN HEREON HAS BEEN CHANGED
SINCE THESE PLANS WERE PREPARED. SEE SPECIFICATION
FOR MEASUREMENT AND PAYMENT OF ROADWAY EARTH WORK.

ORANGE TERRACE PARKWAY

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



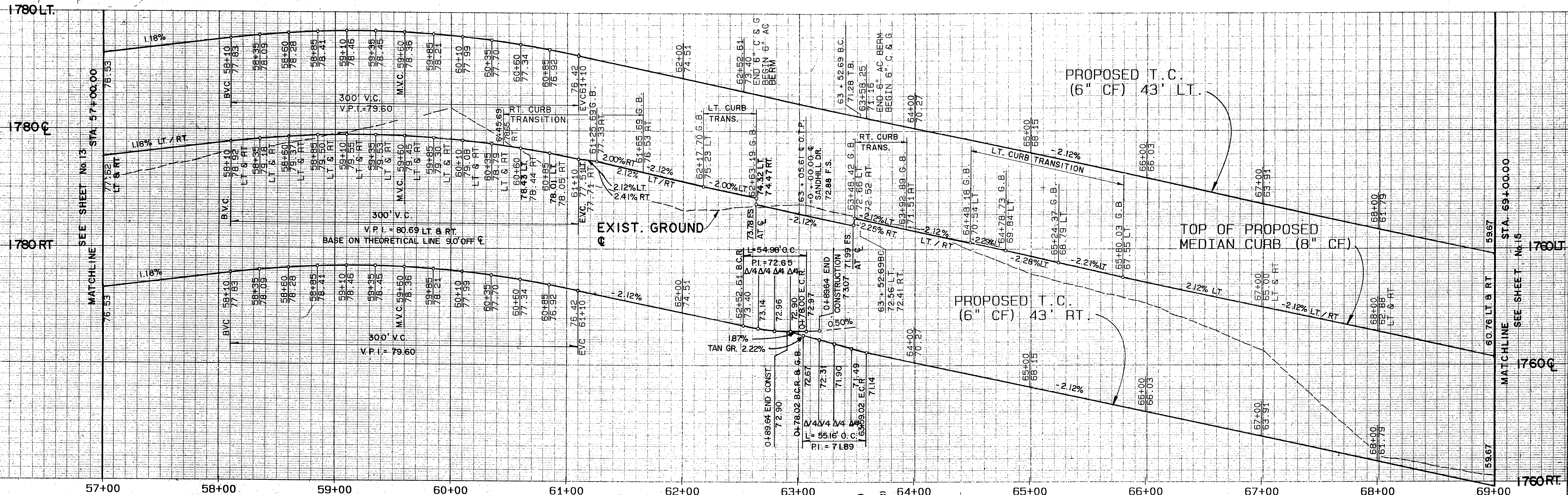
PREPARED UNDER THE DIRECTION OF:
William W. Egan
REGISTERED CIVIL ENGINEER NO. 35458
EXPIRATION DATE: 9/30/91 DATE: 10/14/88
APPROVED BY:
BENCH MARK:
SEE SHEET No. 1

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-060 EL PASO, #103
COLTON, CA 92302 (714) 825-1082 PALM DESERT, CA 92260 (619) 344-5661
DATE: OCT. 1987

J.F.D. ASSOCIATES
MARK REVISIONS APPR. DATE
DESIGNED BY: E.F. DRAWN BY: T.F.E. CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: [Signature] DATE: 10-23-89
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
ORANGE TERRACE PKWY
STA. 57 + 00.00 TO STA. 69 + 00.00
PROJECT NO. **R-2971**
SHEET **14** OF **106**
FILE NO. 8710058
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'



NOTE TO CONTRACTOR:
EXISTING GROUND SHOWN HEREON HAS BEEN CHANGED
SINCE THESE PLANS WERE PREPARED. SEE SPECIFICATION
FOR MEASUREMENT AND PAYMENT OF ROADWAY EARTH WORK.

SEE SHEET No.13
STA. 57 + 00.00
MATCHLINE

MATCHLINE
SEE SHEET No.15
STA. 69 + 00.00

NO	Δ	R	L	T
②	0° 4' 14" 00"	413.73	30.59'	15.30'
③	0° 55' 10"	464.52'	56.12'	28.09'
④	1° 39' 57" 44"	1200.00'	2931.36'	3293.59'

CURB RETURN DATA

Δ	90° 00' 00"
R	35.00'
L	54.98'
T	35.00'

AS-BUILT PAVEMENT SECTIONS
STA. 57+00.00 TO 69+00.00, LEFT SIDE
3" THICK A.C. OVER 5.5" C.A.B.
STA. 57+00.00 TO STA. 69+00.00, RIGHT SIDE
3" THICK A.C. OVER 8" C.A.B.

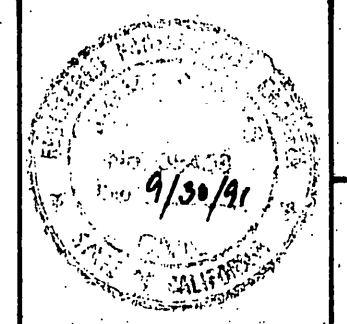
ORANGE TERRACE PARKWAY

AS BUILT

APPROVED BY: _____
DATE: _____

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



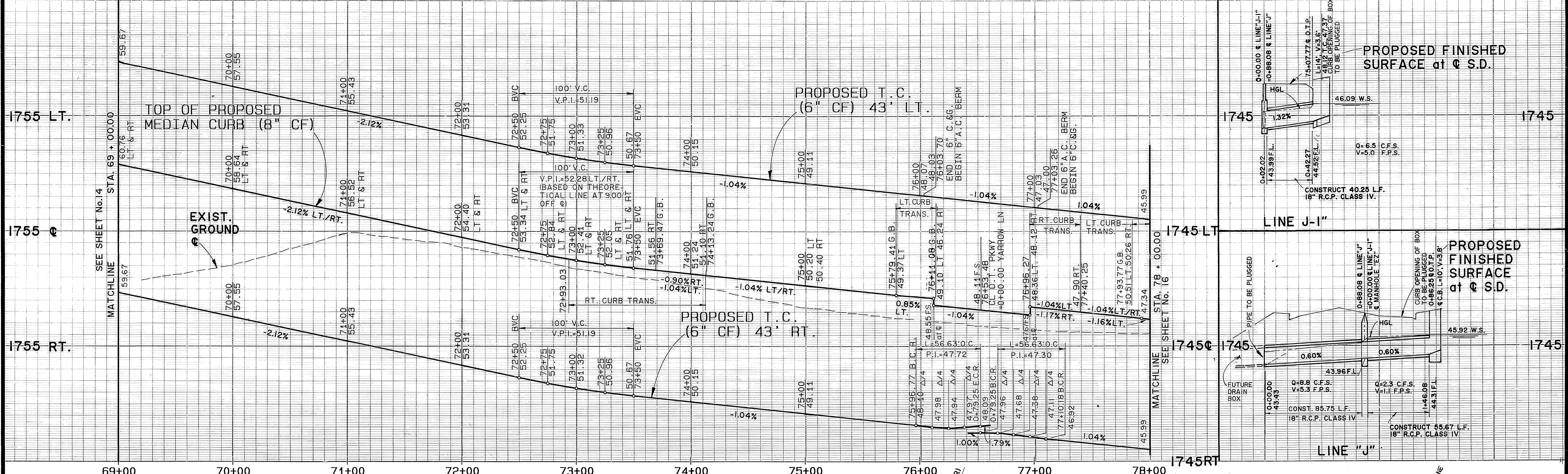
PREPARED UNDER THE DIRECTION OF:
J.F. Davidson
REGISTERED CIVIL ENGINEER NO. 35458
EXPIRATION DATE 9/30/91 DATE 10/14/88
APPROVED BY: _____
BENCH MARK: _____
SEE SHEET No. 1
DATE OCT. 1987

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

J.F.D. ASSOCIATES
MARK AS-BUILT
DESIGNED BY E.F. DRAWN BY T.F.E. CHECKED BY _____
REVISIONS APPR. DATE

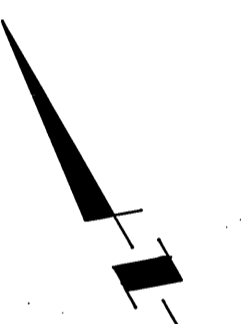
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR. DATE 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
ORANGE TERRACE PKWY
STA. 57 + 00.00 TO STA. 69 + 00.00
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 4'
PROJECT NO. R-2971
SHEET 14 OF 106
FILE NO. B710058



AS-BUILT PAVEMENT SECTIONS
 STA. 69+00.00 TO STA. 78+00.00, LEFT SIDE
 3" THICK A.C. 5.5" C.A.B.
 STA. 69+00.00 TO STA. 78+00.00, RIGHT SIDE
 3" THICK A.C. OVER 8" C.A.B.

NOTE TO CONTRACTOR:
 EXISTING GROUND SHOWN HEREON HAS BEEN CHANGED
 SINCE THESE PLANS WERE PREPARED. SEE SPECIFICATION
 FOR MEASUREMENT AND PAYMENT OF ROADWAY EARTH WORK.



NO	CURVE DATA	R	L	T
(14)	139° 57' 44"	1200.00'	2931.36'	3293.59'
(15)	04° 18' 46"	407.76'	30.69'	15.35'
(16)	10° 00' 46"	251.28'	43.91'	22.01'

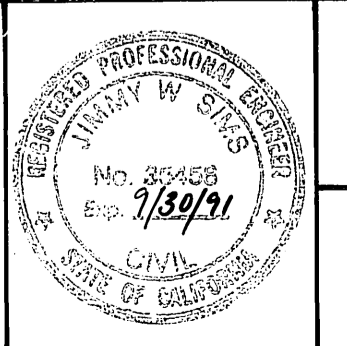
CURB RETURN DATA

Δ=92°42'27"
R=35.00'
L=56.63'
T=36.69'

ORANGE TERRACE PARKWAY

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
J.F. Davidson
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE 9/30/91 DATE: 10/1/90
 APPROVED BY:

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 COLTON, CA 92524 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691
 BENCH MARK:
 SEE SHEET No. 1
 DATE OCT. 1987

J.F.D. ASSOCIATES
 AS-BUILT
 DESIGNED BY E.F. DRAWN BY T.F.F. CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *[Signature]* DATE: 3/23/89
 TRAFFIC DIVISION
 CHIEF P.W. ENGR. DATE: 3/22/89

CFD 86-1-3
 STREET IMPROVEMENT PLANS
ORANGE TERRACE PKWY
 STA. 69 + 00.00 TO STA. 78 + 00.00
 PROJECT NO. **R-2971**
 SHEET **15** OF **106**
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 FILE NO. 8710058

AS BUILT

APPROVED BY: _____
 DATE: _____

INDEXED 12-9-92 (H)

1750 LT.

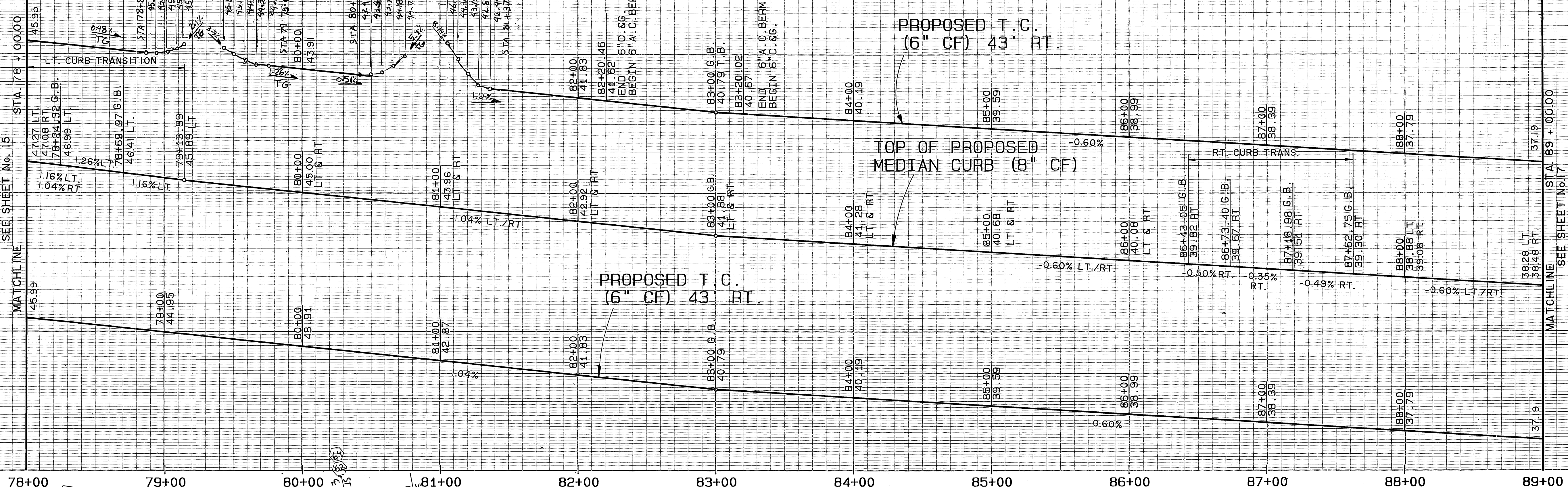
1750 C

1750 RT.

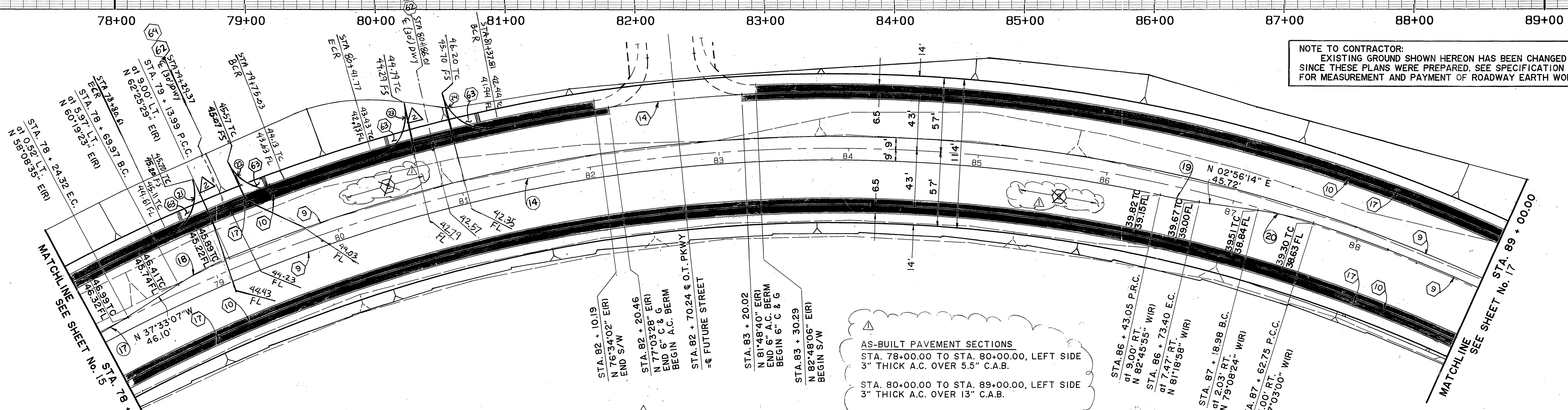
1740 LT.

1740 C

1740 RT.



NOTE TO CONTRACTOR:
EXISTING GROUND SHOWN HEREON HAS BEEN CHANGED
SINCE THESE PLANS WERE PREPARED. SEE SPECIFICATION
FOR MEASUREMENT AND PAYMENT OF ROADWAY EARTH WORK.



CURVE DATA				
NO.	Δ	R	L	T
(14)	139° 57' 44"	1200.00'	2931.36'	3293.59'
(17)	04° 14' 10"	413.75'	30.59'	15.30'
(18)	10° 01' 03"	254.25'	44.45'	22.28'
(19)	04° 14' 35"	407.65'	30.19'	15.10'
(20)	10° 00' 46"	251.28'	43.19'	22.01'
(21)	92° 33' 17"	35.00'	56.53'	36.59'
(22)	83° 22' 32"	35.00'	50.93'	31.17'
(23)	76° 16' 41"	35.00'	46.59'	27.48'
(24)	99° 14' 59"	35.00'	60.62'	41.16'

PREPARED BY:
G & G ENGINEERING, INC.
1855 W. KATELLA AVE, STE 225
ORANGE, CA 92667
(714) 997-0640
FAX: (714) 997-0670
EMAIL: ANDREW@GANDENGINEERINGINC.COM

- AS-BUILT PAVEMENT SECTIONS
STA. 78+00.00 TO STA. 80+00.00, LEFT SIDE
3" THICK A.C. OVER 5.5" C.A.B.
- STA. 80+00.00 TO STA. 89+00.00, LEFT SIDE
3" THICK A.C. OVER 13" C.A.B.
- STA. 78+00.00 TO STA. 89+00.00, RIGHT SIDE
3" THICK A.C. OVER 8" C.A.B.
- (62) CONSTRUCT DRIVEWAY APPROACH PER APWA STD. PLAN 110-1, TYPE "C"
- (63) CONSTRUCT CURB RAMP PER APWA STD. PLAN 111-2, CASE "D", TYPE 2.
- (64) CONSTRUCT CROSS GUTTER (W=8") PER CITY OF RIVERSIDE STD. DWG 220.

ORANGE TERRACE PARKWAY

AS BUILT

APPROVED BY: _____
DATE: _____

Underground Service Alert
Call: TOLL FREE
1-800-422-4133

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

PREPARED UNDER THE DIRECTION OF:
Andrew Davidson
REGISTERED CIVIL ENGINEER NO. 35458
EXPIRATION DATE: 9/30/91 DATE: 10/14/89

APPROVED BY: _____

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

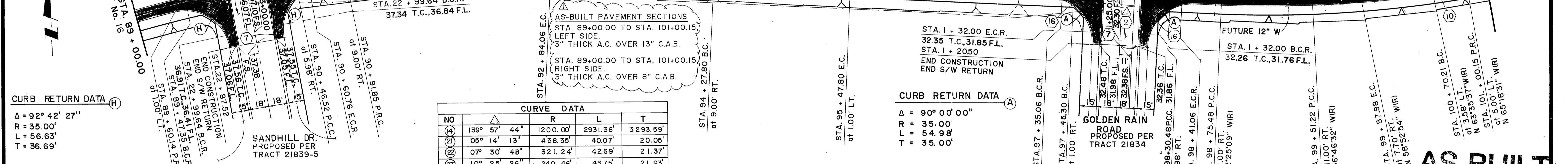
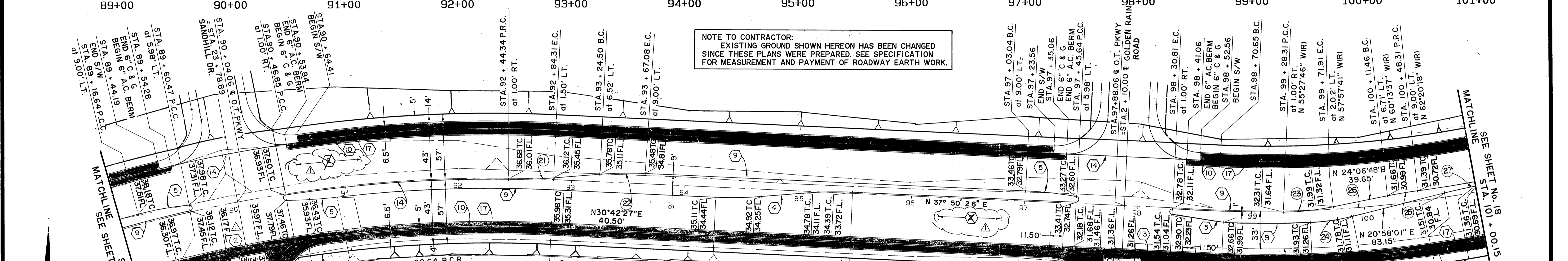
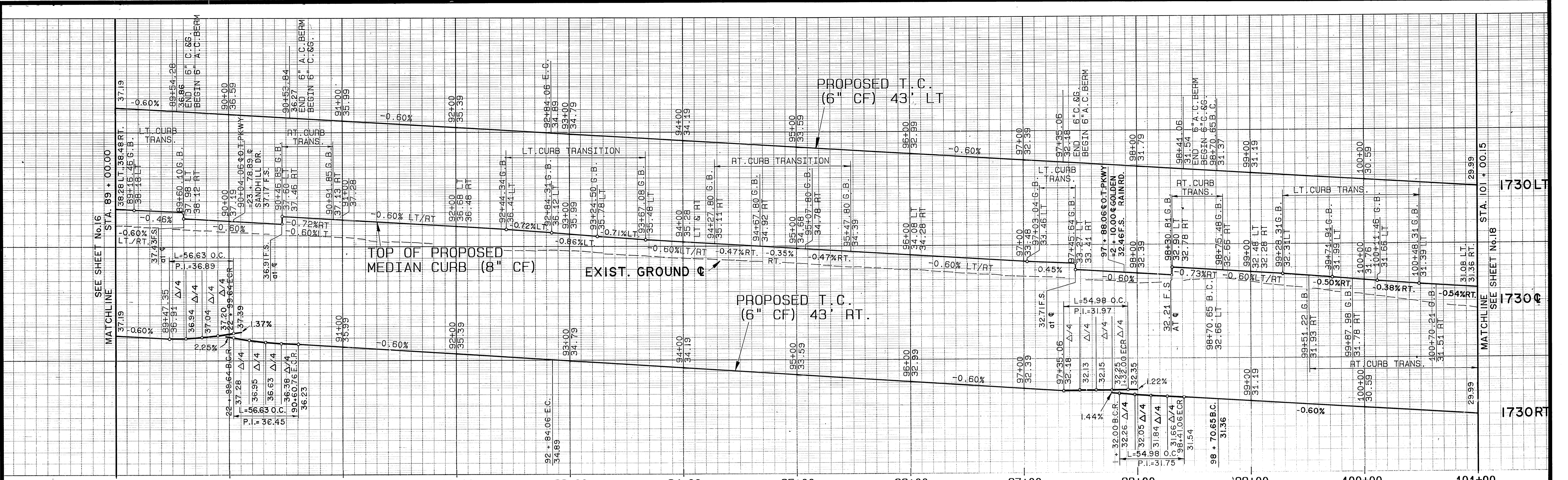
J.F.D. ASSOCIATES
DESIGNED BY: E.F. DRAWN BY: T.F.E. CHECKED BY: _____
DATE: OCT. 1987

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____
DATE: 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
ORANGE TERRACE PKWY
STA. 78 + 00.00' TO STA. 89 + 00.00'

PROJECT NO. **R-2971**
SHEET **16** OF **106**
FILE NO. 871005B



CURB RETURN DATA
 $\Delta = 92^\circ 42' 27''$
 $R = 35.00'$
 $L = 56.63'$
 $T = 36.69'$

CURVE DATA

NO	ANGLE	R	L	T
1	139° 57' 44"	1200.00'	2931.36'	3293.59'
2	05° 14' 13"	438.35'	40.07'	20.05'
3	07° 30' 48"	321.24'	42.69'	21.37'
4	10° 25' 26"	240.46'	43.75'	21.93'
5	12° 15' 27"	174.43'	37.32'	18.73'
6	05° 03' 25"	415.17'	36.64'	18.33'
7	29° 37' 46"	1000.00'	517.13'	264.49'
8	03° 43' 29"	459.09'	29.84'	14.93'

CURB RETURN DATA
 $\Delta = 90^\circ 00' 00''$
 $R = 35.00'$
 $L = 54.98'$
 $T = 35.00'$

ORANGE TERRACE PARKWAY

AS BUILT
 APPROVED BY: _____
 DATE: _____

Underground Service Alert
 Call: TOLL FREE
1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR ALL SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

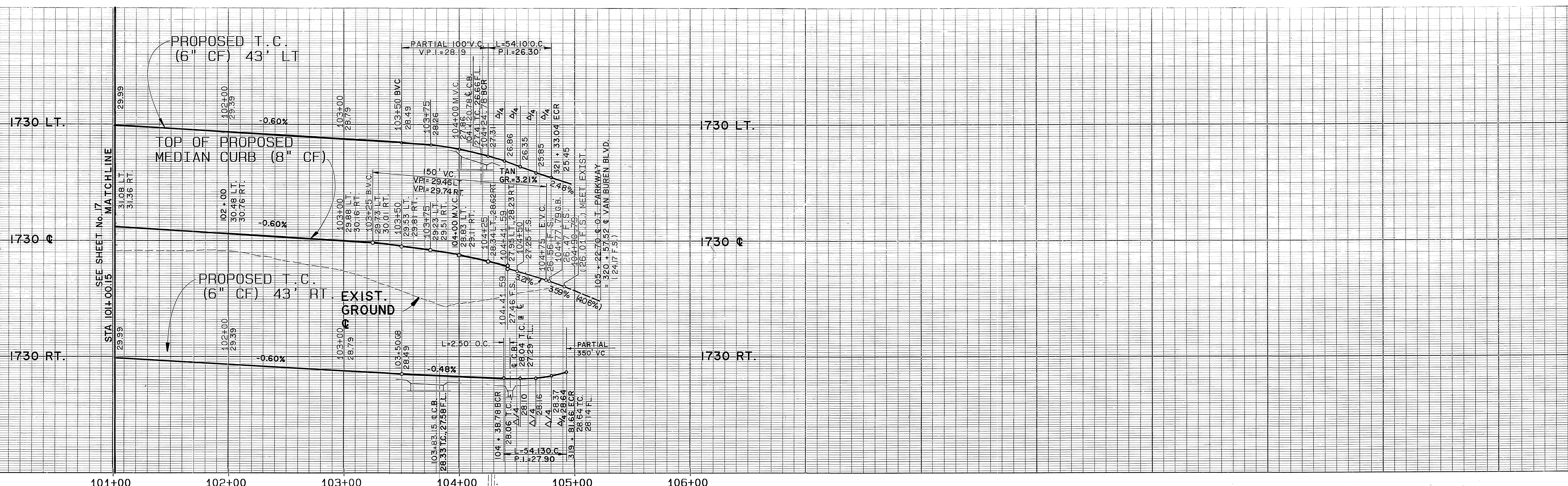
PREPARED UNDER THE DIRECTION OF:
Sumner W. Spivey
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE: 9/30/91 DATE: 10/14/00
 APPROVED BY: _____
 DATE: OCT. 1987

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 855-1082 (619) 346-6881

J.F.D. ASSOCIATES
 DESIGNED BY: E.F. DRAWN BY: T.F.E. CHECKED BY: _____
 BENCH MARK: SEE SHEET No. 1

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ BY DATE: 3/23/89
 PRINCIPAL ENGINEER: _____
 TRAFFIC DIVISION: _____
 CHIEF P.W. ENGR: _____

CFD 86-1-3
STREET IMPROVEMENT PLANS
ORANGE TERRACE PKWY
 STA. 83+00 TO STA. 101+00.15
 PROJECT NO. **R-2971**
 SHEET **17** OF **106**
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 FILE NO. 8710058
 INDEXED 12-9-92 LHM



101+00 102+00 103+00 104+00 105+00 106+00

NOTE TO CONTRACTOR:
EXISTING GROUND SHOWN HEREON HAS BEEN CHANGED
SINCE THESE PLANS WERE PREPARED. SEE SPECIFICATION
FOR MEASUREMENT AND PAYMENT OF ROADWAY EARTH WORK.

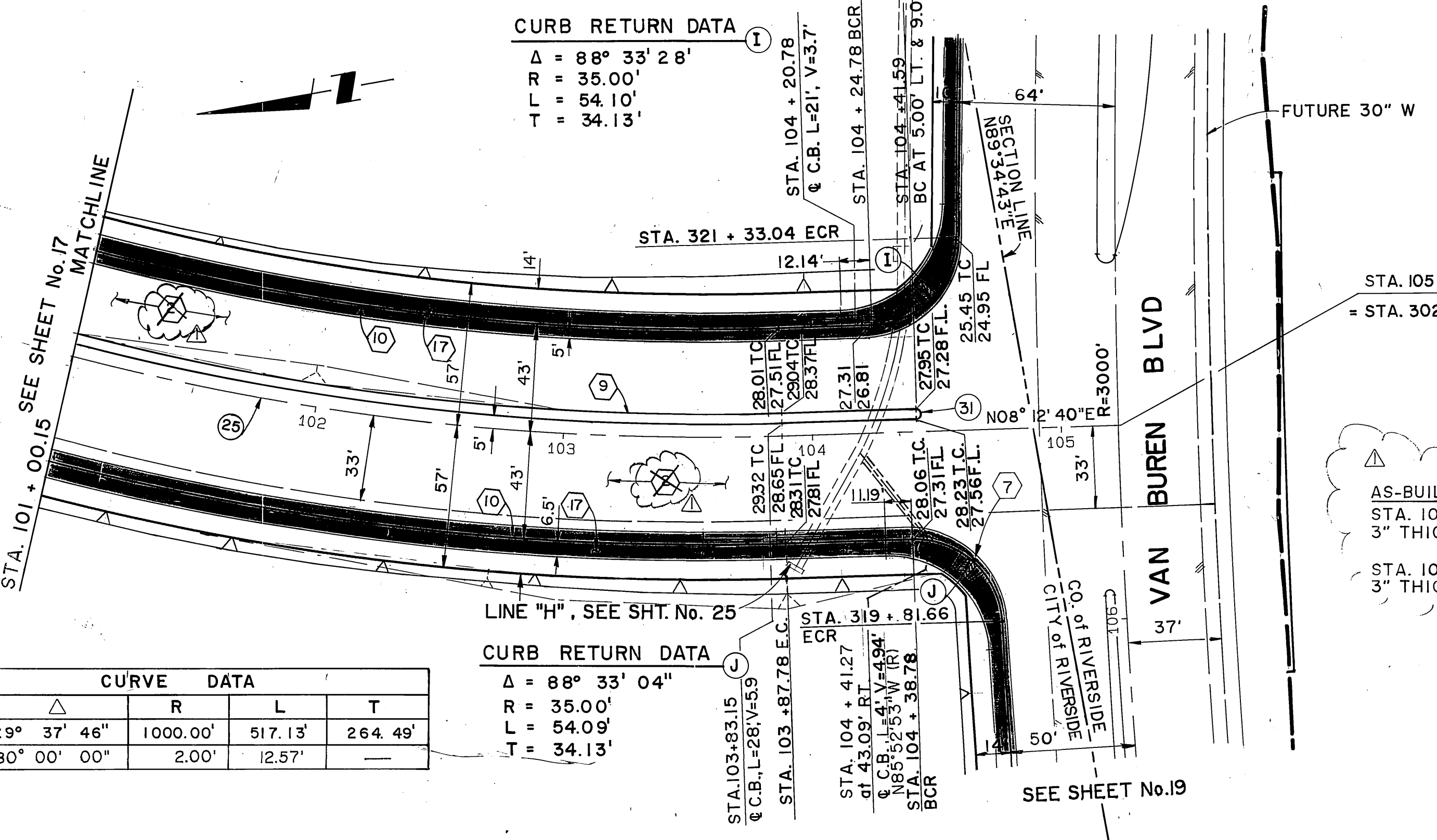
CURB RETURN DATA

Δ = 88° 33' 28"

R = 35.00'

L = 54.10'

T = 34.13'



CURVE DATA

NO	Δ	R	L	T
(25)	29° 37' 46"	1000.00'	517.13'	264.49'
(31)	180° 00' 00"	2.00'	12.57'	

CURB RETURN DATA

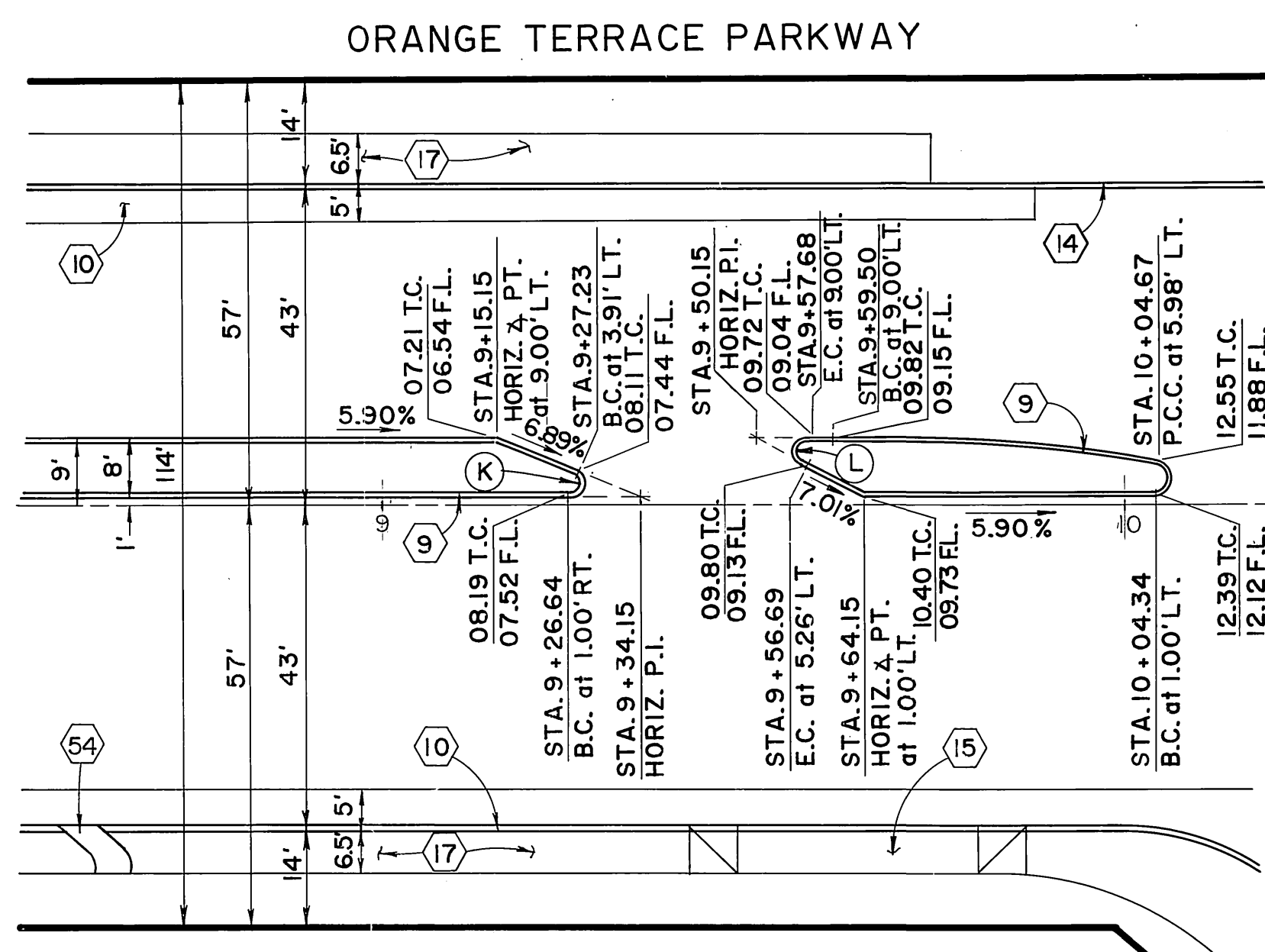
Δ = 88° 33' 04"

R = 35.00'

L = 54.09'

T = 34.13'

AS-BUILT PAVEMENT SECTIONS
STA. 101+00.15 TO STA. 104+24.78, LEFT SIDE.
3" THICK A.C. OVER 13" C.A.B.
STA. 101+00.15 TO STA. 104+38.78, RIGHT SIDE
3" THICK A.C. OVER 8" C.A.B.



CURB RETURN DATA

(K) Δ = 157° 09' 59"

R = 2.00'

L = 5.49'

T = 7.51'

(C) **DETAIL**
SEE SHEET No. 9
SCALE: 1" = 20'

AS BUILT
APPROVED BY: _____
DATE: _____

(L) Δ = 150° 15' 18"

R = 2.00'

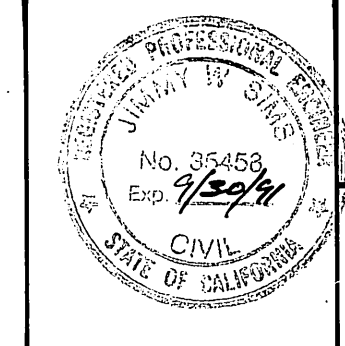
L = 5.24'

T = 7.53'

ORANGE TERRACE PARKWAY

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
J.F. Davidson
REGISTERED CIVIL ENGINEER NO. 35458
EXPIRATION DATE: 9/30/91 DATE: 10/14/88
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 886-0844 (714) 825-1082 (619) 346-5691

DATE OCT. 1987

MARK AS-BUILT

REVISIONS	APPR.	DATE

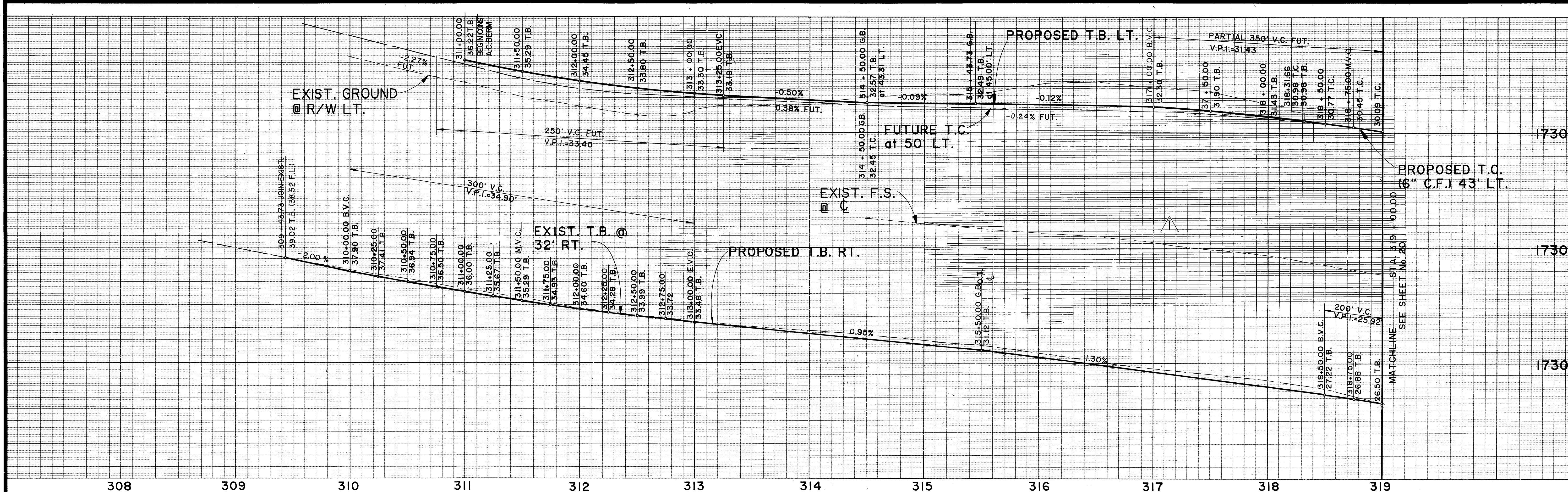
DESIGNED BY: E.F. DRAWN BY: T.E.E. CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

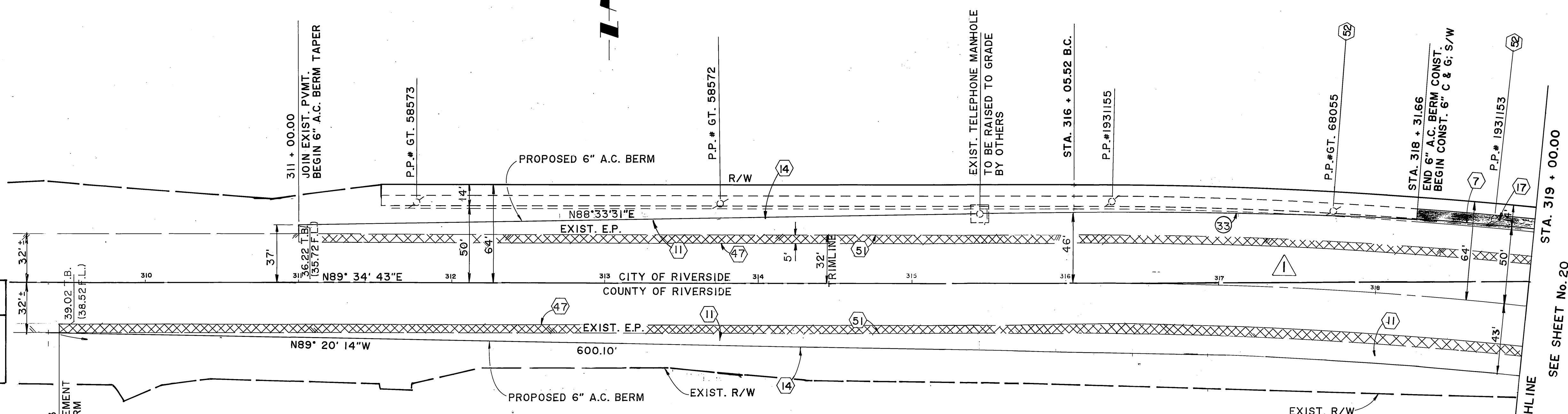
APPROVED BY: _____ DATE: 12/23/89
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR. _____ DATE: 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
ORANGE TERRACE PKWY
STA. 101+00.15 TO STA. 104+38.78

PROJECT NO. **R-2971**
SHEET **18** OF **106**
FILE NO. 6710058



308 309 310 311 312 313 314 315 316 317 318 319



COUNTY OF RIVERSIDE
ROAD DEPARTMENT
 APPROVED BY
[Signature] DATE 4/28/89

CURVE DATA				
(33)	Δ	R	L	T
	4°15'40"	3039.21'	226.03'	113.07'

VAN BUREN BOULEVARD

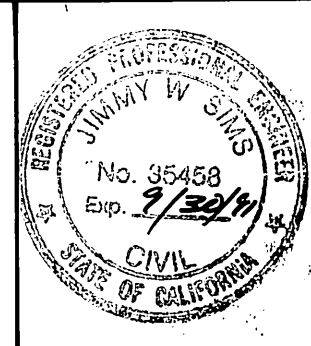
LEGEND
 INDICATES A.C. FEATHER.

AS BUILT
 APPROVED BY: _____
 DATE: _____

CITY OF RIVERSIDE ELECTRIC
[Signature] DATE 8-1-88

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



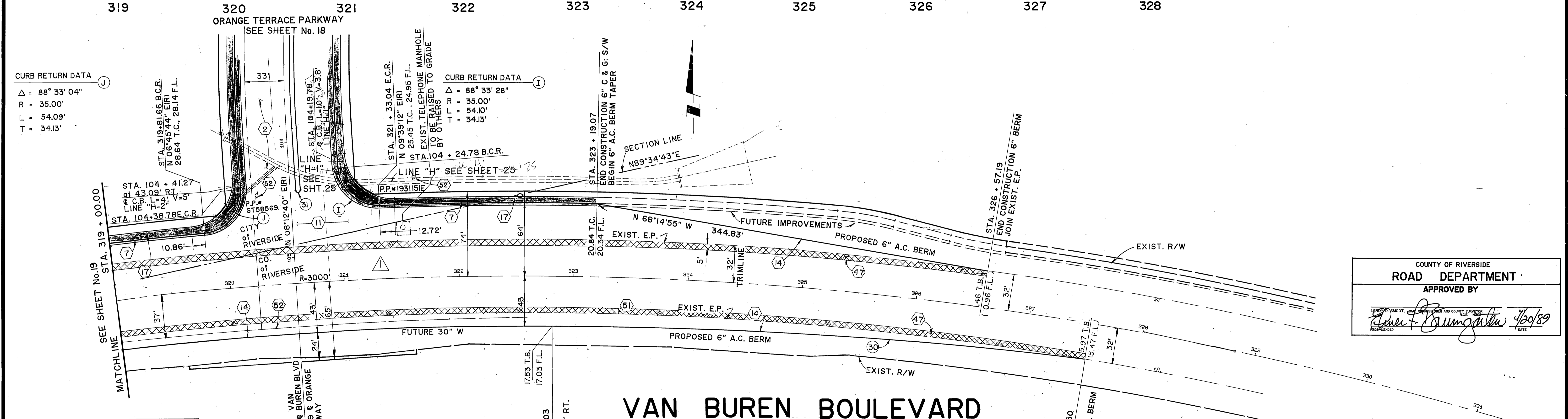
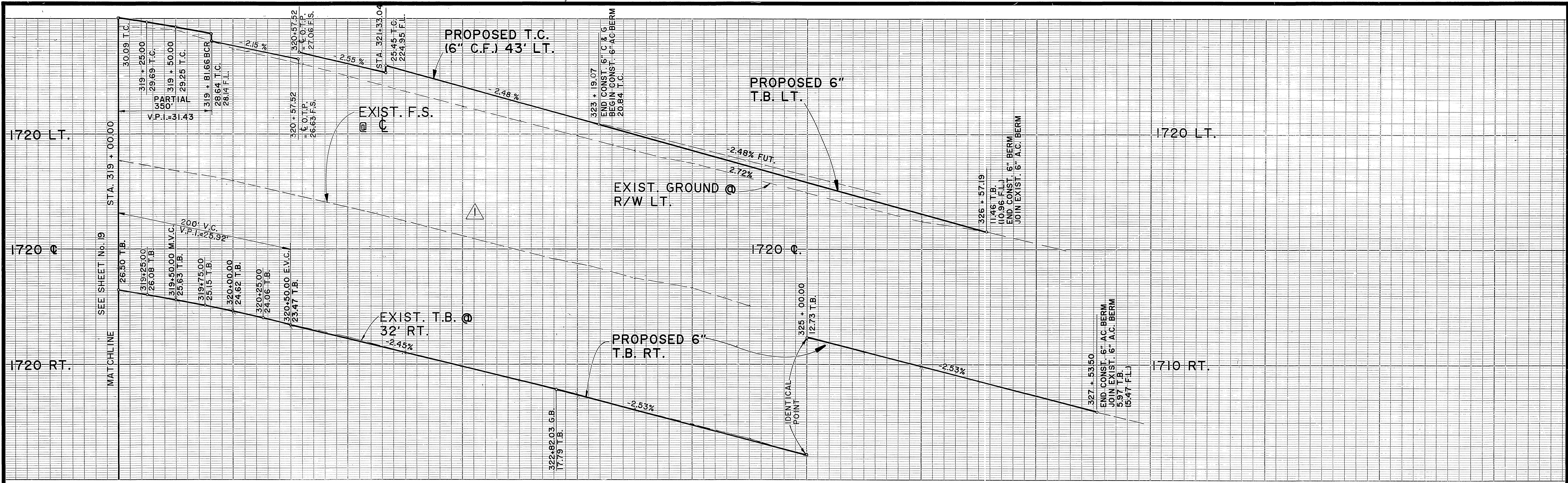
PREPARED UNDER THE DIRECTION OF:
[Signature]
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE 9/30/94 DATE: 01/14/88
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 886-0844 (714) 825-1082 (619) 346-5691
 SCALE: _____ BENCH MARK: SEE SHEET No. 1
 DATE: OCT. 1987

DESIGNED BY: E.F. DRAWN BY: _____ CHECKED BY: _____
 DELETED MEDIAN ISLAND.
 MARK REVISIONS APPR. DATE

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ DATE: 4-23-89
 PRINCIPAL ENGINEER: _____
 PARK DEPARTMENT: _____
 TRAFFIC DIVISION: _____
 CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1-3
STREET IMPROVEMENT PLANS
VAN BUREN BLVD.
 STA. 311 + 54.94 TO STA. 319 + 00.00
 PROJECT NO. R-2971
 SHEET 19 OF 106
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 FILE NO. 8710058



CURB RETURN DATA

△ = 88° 33' 04"
 R = 35.00'
 L = 54.09'
 T = 34.13'

CURVE DATA

Station	Δ	R	L	T
(30)	02°40'19"	10000.00'	466.35'	233.22'

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

PREPARED UNDER THE DIRECTION OF:
William H. Davidson
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE 9/30/94 DATE: 10/14/88

APPROVED BY:

 DATE OCT. 1987

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

11200 SO. MT. VERNON AVE. #D COLTON, CA 92324 (714) 825-1082
 73-080 EL PASO, #103 PALM DESERT, CA 92260 (619) 346-5691

SCALE: _____ BENCH MARK: _____
 SEE SHEET No. 1

LEGEND

INDICATES A.C. FEATHER.

DELETED MEDIAN ISLAND.

DESIGNED BY: E.F. DRAWN BY: _____ CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY DATE: 3/23/89
 PRINCIPAL ENGINEER: _____
 PARK DEPARTMENT: _____
 TRAFFIC DIVISION: _____
 CHIEF P.W. ENGR. DATE: 3/23/89

AS BUILT

APPROVED BY: _____ DATE: 8-1-88

CITY OF RIVERSIDE ELECTRIC

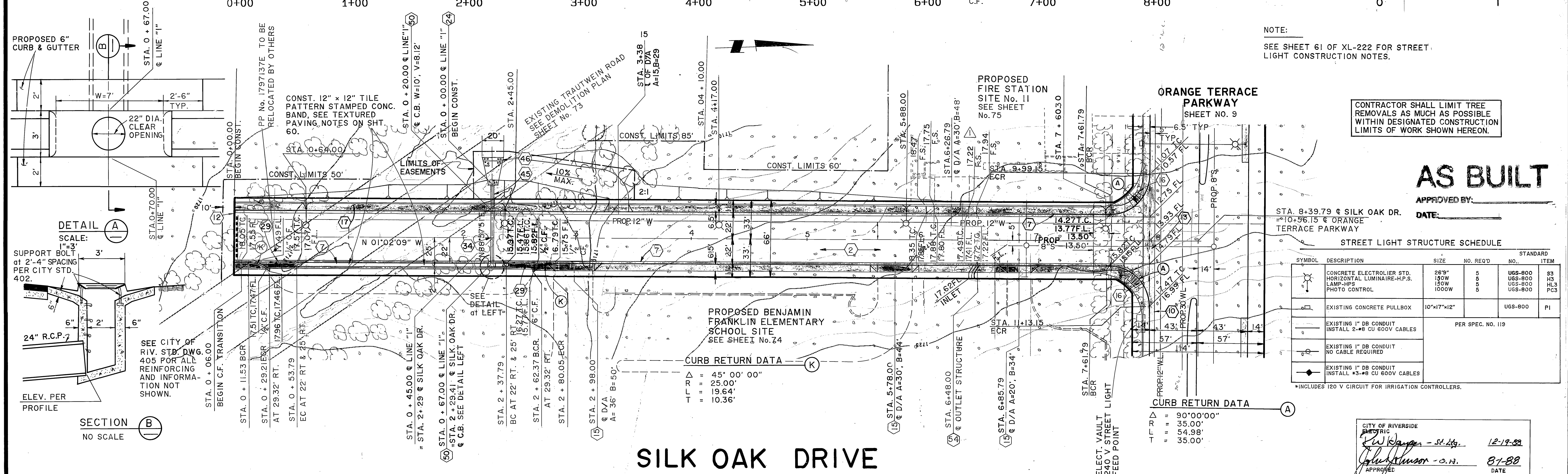
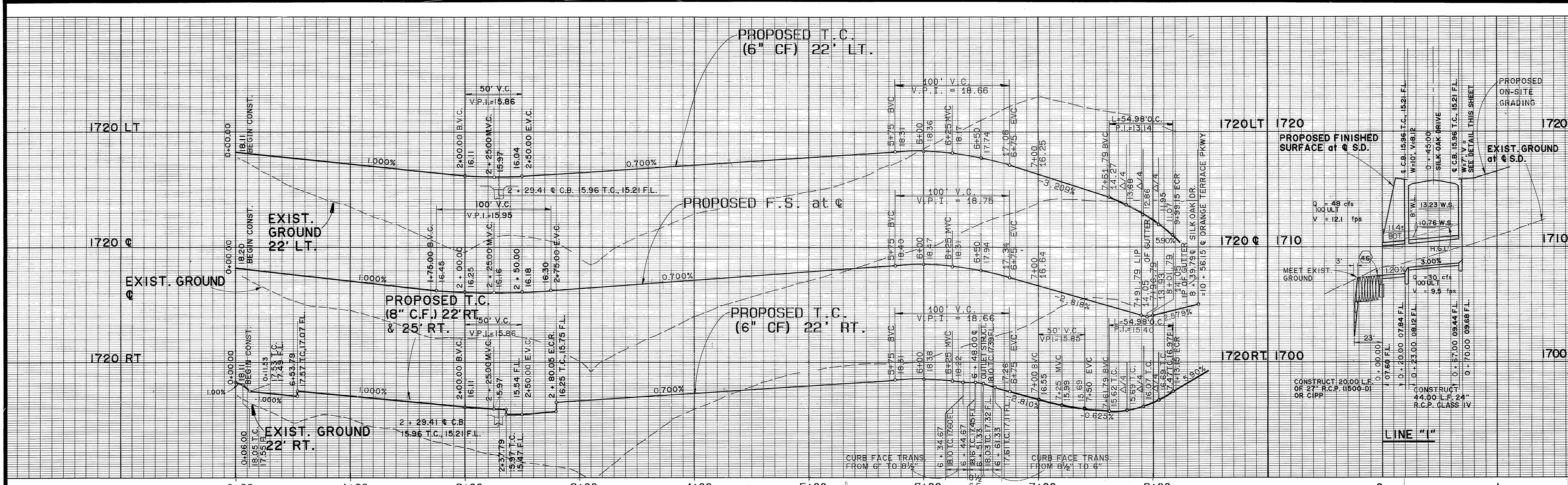
CFD 86-1-3
 STREET IMPROVEMENT PLANS
VAN BUREN BLVD.
 STA. 319 + 00.00 TO STA. 323 + 19.07

PROJECT NO. R-2971
 SHEET 20 OF 106
 FILE NO. 8710058

COUNTY OF RIVERSIDE
 ROAD DEPARTMENT
 APPROVED BY:
James F. Baumgartner 10/30/89

APPROVED BY: _____ DATE: 8-1-88

INDIVID 12-9-92 4H



NOTE:
SEE SHEET 61 OF XL-222 FOR STREET LIGHT CONSTRUCTION NOTES.

CONTRACTOR SHALL LIMIT TREE REMOVALS AS MUCH AS POSSIBLE WITHIN DESIGNATED CONSTRUCTION LIMITS OF WORK SHOWN HEREON.

AS BUILT

APPROVED BY: _____
DATE: _____

STA. 8+39.79 @ SILK OAK DR. = 10+56.15 @ ORANGE TERRACE PARKWAY

STREET LIGHT STRUCTURE SCHEDULE

SYMBOL	DESCRIPTION	SIZE	NO. REQ'D	STANDARD NO.	ITEM
☉	CONCRETE ELECTROLIER STD. HORIZONTAL LUMINAIRE-HP.S. PHOTO CONTROL	26" x 19" x 10" W	5	UGS-800	S3
☉	EXISTING CONCRETE PULLBOX	10"x17"x12"	1	UGS-800	PI
—	EXISTING 1" DB CONDUIT INSTALL 2-#8 CU 600V CABLES			PER SPEC. NO. 119	
—	EXISTING 1" DB CONDUIT NO CABLE REQUIRED				
—	EXISTING 1" DB CONDUIT INSTALL 3-#8 CU 600V CABLES				

*INCLUDES 120 V CIRCUIT FOR IRRIGATION CONTROLLERS.

CITY OF RIVERSIDE
PUBLIC WORKS
[Signature] - St. Eng. 12-19-88
[Signature] - C.N. 8-1-88
APPROVED DATE

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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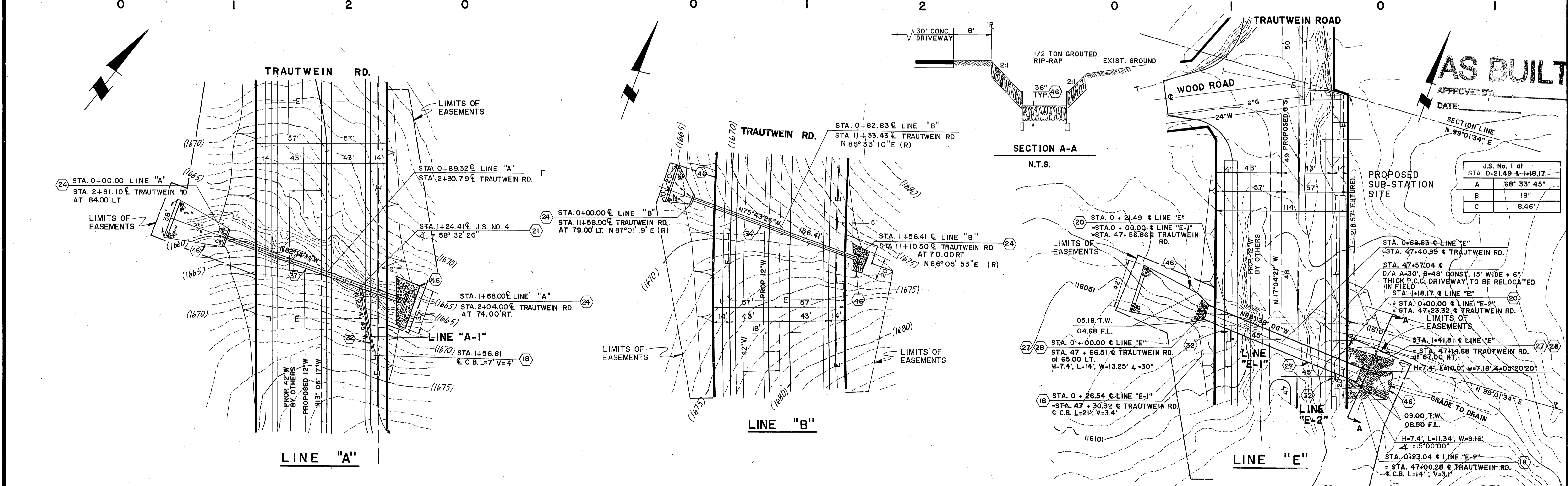
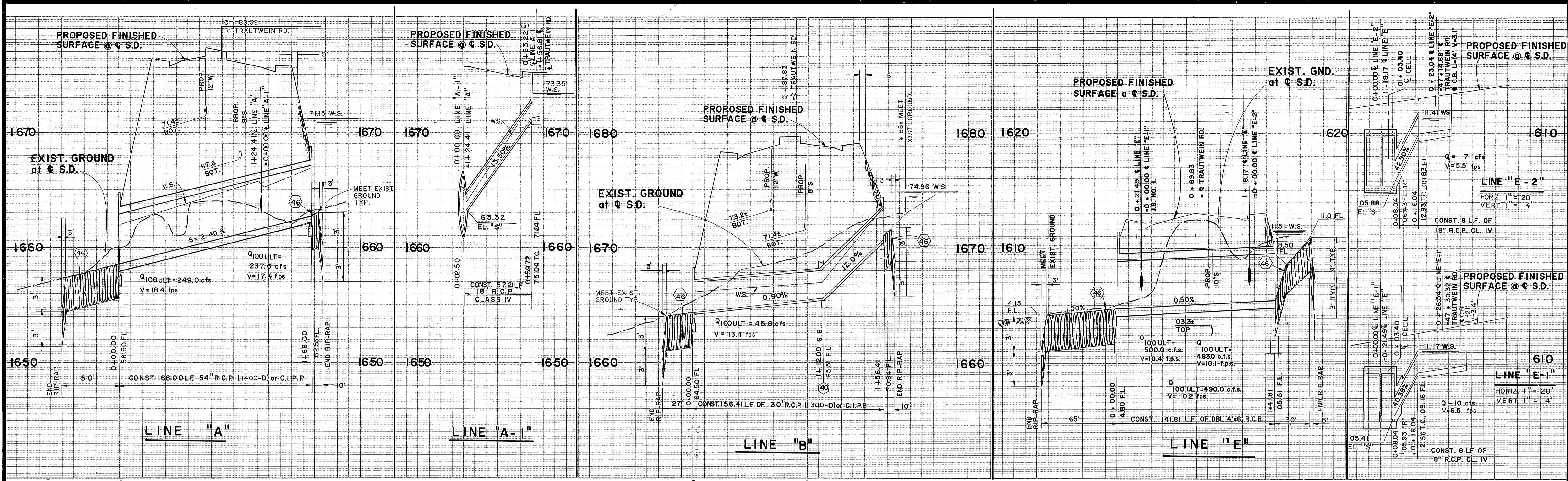
PREPARED UNDER THE DIRECTION OF:
[Signature]
REGISTERED CIVIL ENGINEER NO. 35458
EXPIRATION DATE 9/30/91 DATE: 10/12/88
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-060 EL PASO, #103
COLTON, CA 92324 PALM DESERT, CA 92260
(714) 886-0844 (714) 825-1082 (619) 346-5661
BENCH MARK: SEE SHEET No. 1
DATE OCT. 1987

J.F.D. ASSOCIATES
REVISOR: _____
DATE: _____
DESIGNED BY: E.F. DRAWN BY: J.S./R.H. CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *[Signature]* DATE: 12-23-88
TRAFFIC DIVISION: *[Signature]*
CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1-3
STREET, STORM DRAIN, & LIGHTING IMPROVEMENT PLANS
SILK OAK DRIVE
STA. 0 + 00.00 TO STA. 8 + 39.79
PROJECT NO. R-2971
SHEET 21 OF 106
FILE NO. _____
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'



Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

9/30/91

PREPARED UNDER THE DIRECTION OF:
[Signature]
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE: 9/30/91 DATE: 10/14/88

APPROVED BY:

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 79-080 EL PASO, #103
 RIVERSIDE CA 92502 COLTON CA 92324 PALM DESERT CA 92260
 (714) 886-0844 (714) 825-1082 (619) 346-5891

SCALE: PLAN 1" = 40'
 DATE: OCT. 1987

BENCH MARK: SEE SHEET I

J.F.D. ASSOCIATES

MARK REVISIONS APPR. DATE
 DESIGNED BY: E.F. DRAWN BY: T.F.E. CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

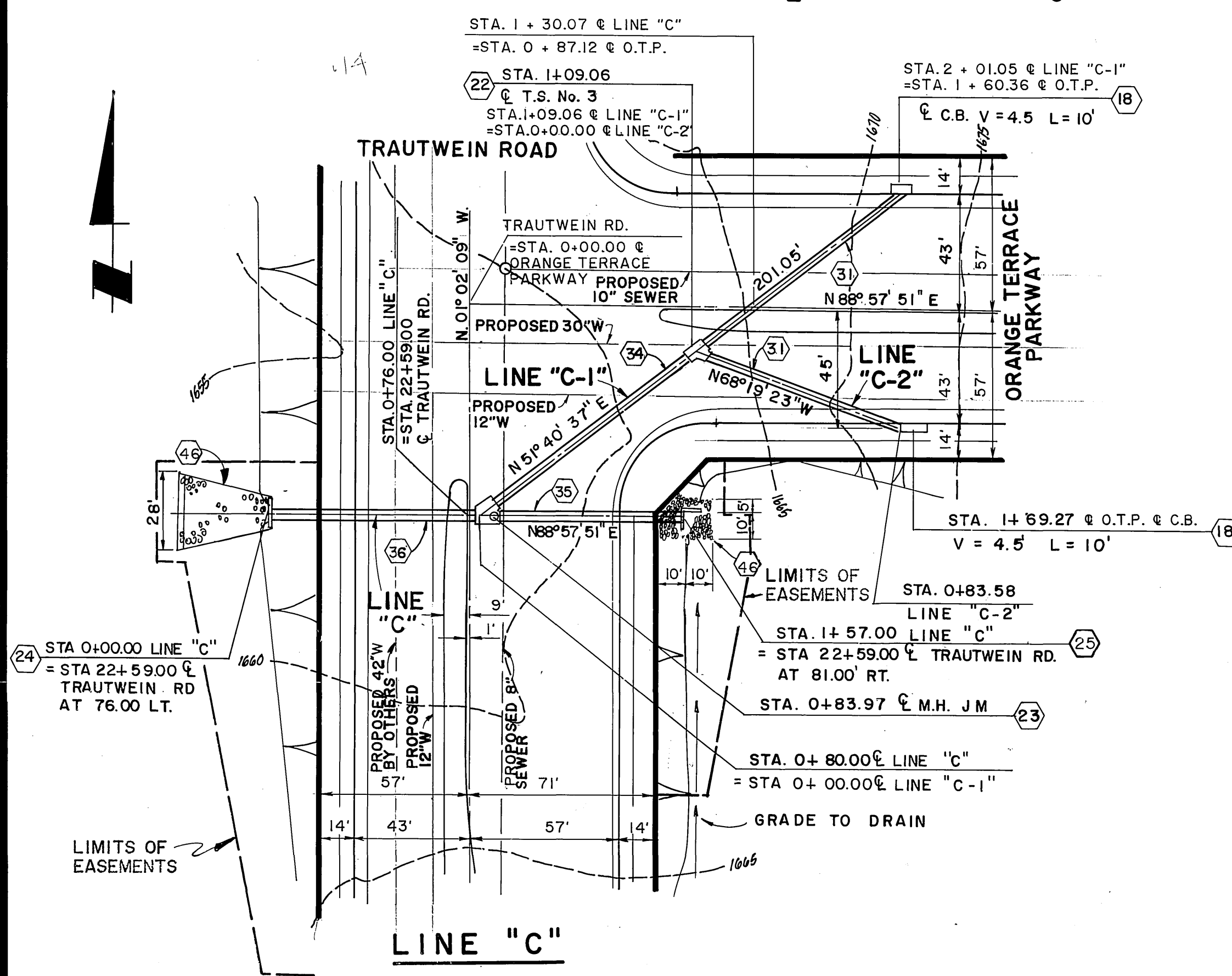
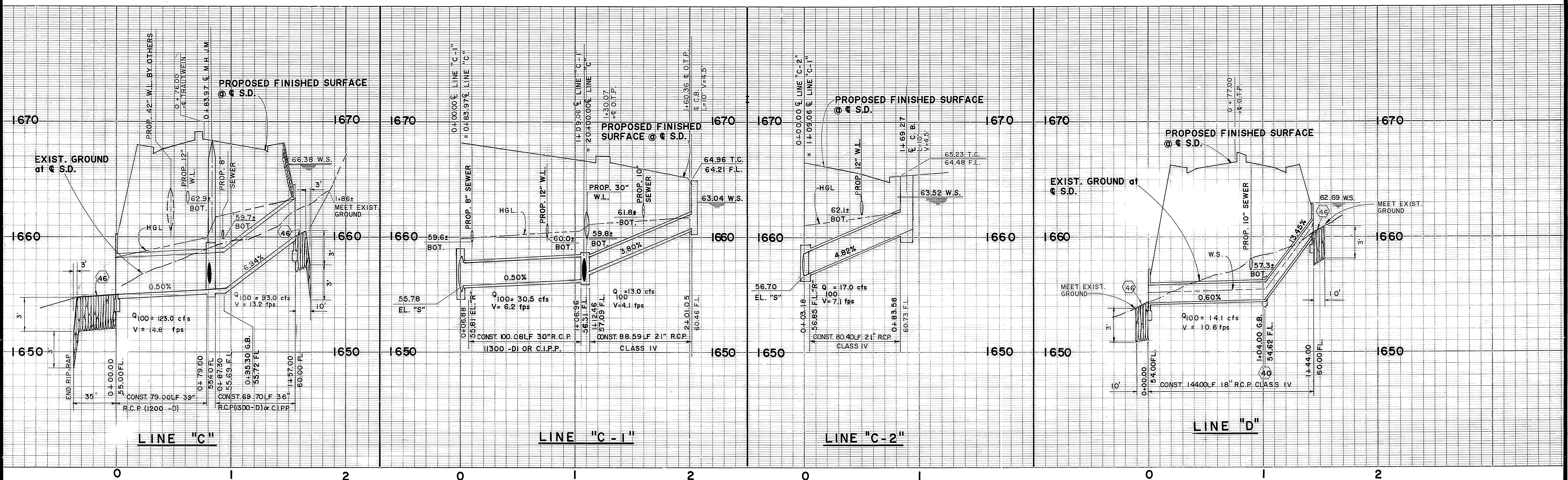
APPROVED BY: *[Signature]* DATE: 12-23-89
 TRAFFIC DIVISION: *[Signature]* DATE: 12-23-89
 CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1-3
STORM DRAIN IMPROVEMENT PLANS
 LINES "A", "B" & "E"

PROJECT NO. **R-2971**
 SHEET **22** OF **106**
 FILE NO. 87-10056

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

INDEXED 12-9-92 44

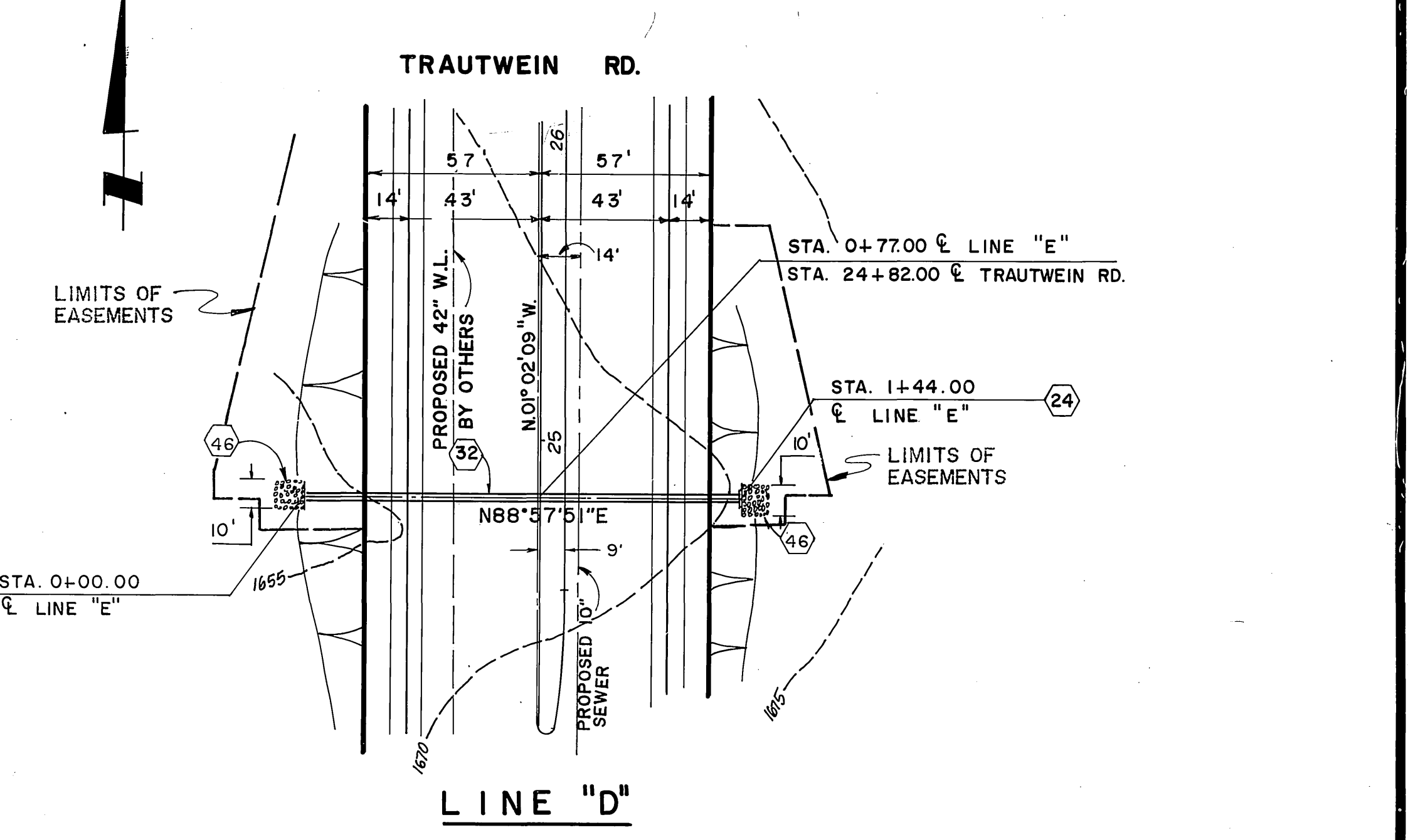


MH "JM" at STA. 0+83.97

A	37'17"14"
B	30"
C	7.3'
D ₁	39"
D ₂	39"
E	7.3'
L	8.3'

T.S. "3" at STA. 1+09.06

A	60'00"00"
B	21"
C	3.6'
D ₁	30"
D ₂	21"
E	3.4'
L	5.5'

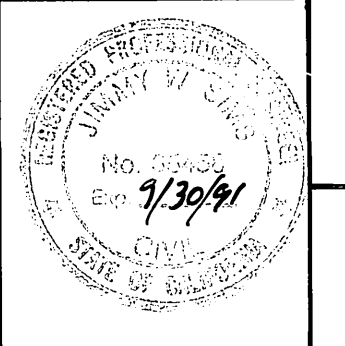


AS BUILT

APPROVED BY: _____
DATE: _____

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME ROLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
James W. Sp...
REGISTERED CIVIL ENGINEER NO. 35458
EXPIRATION DATE: 9/30/91 DATE: 10/14/88
APPROVED BY: _____

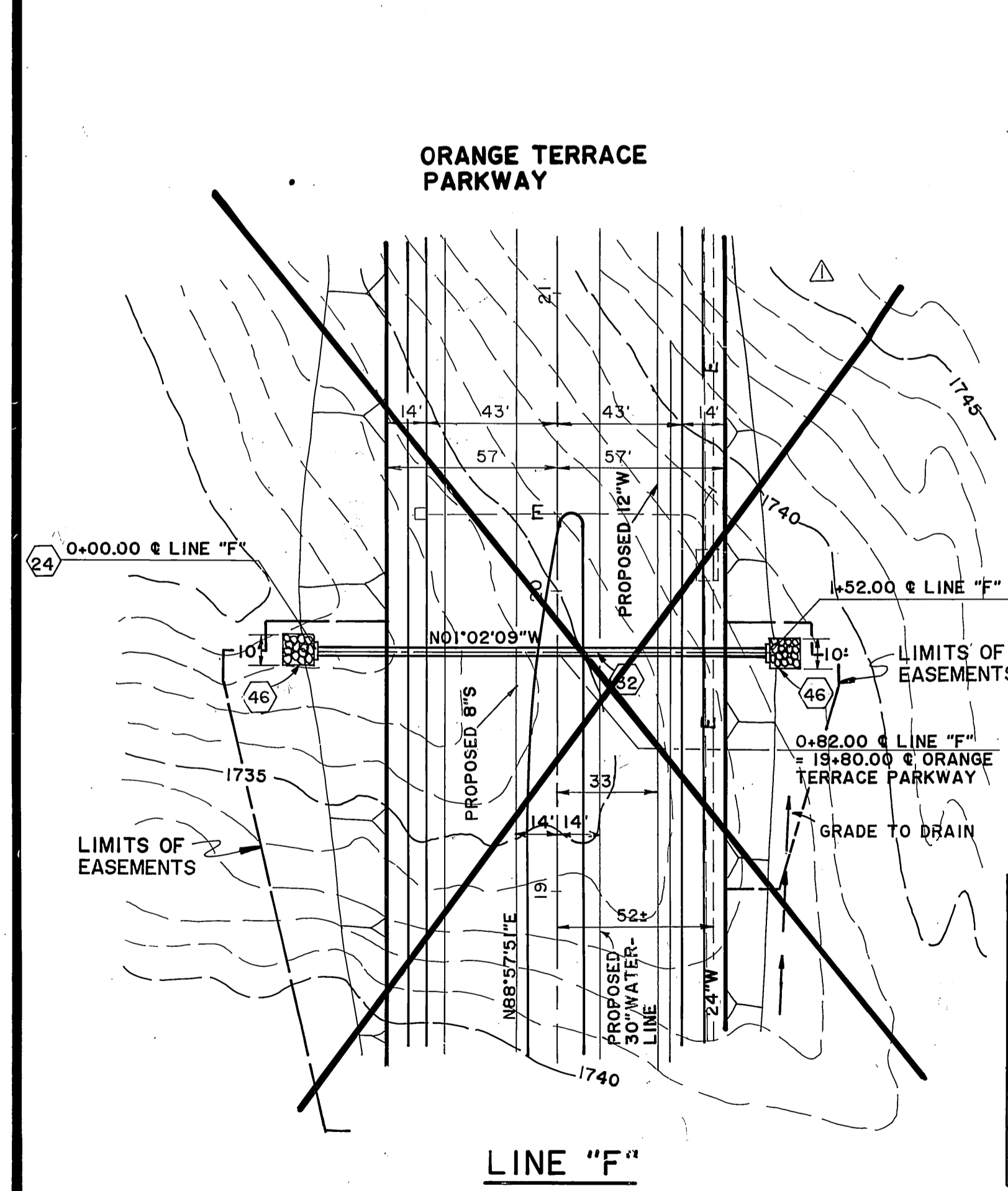
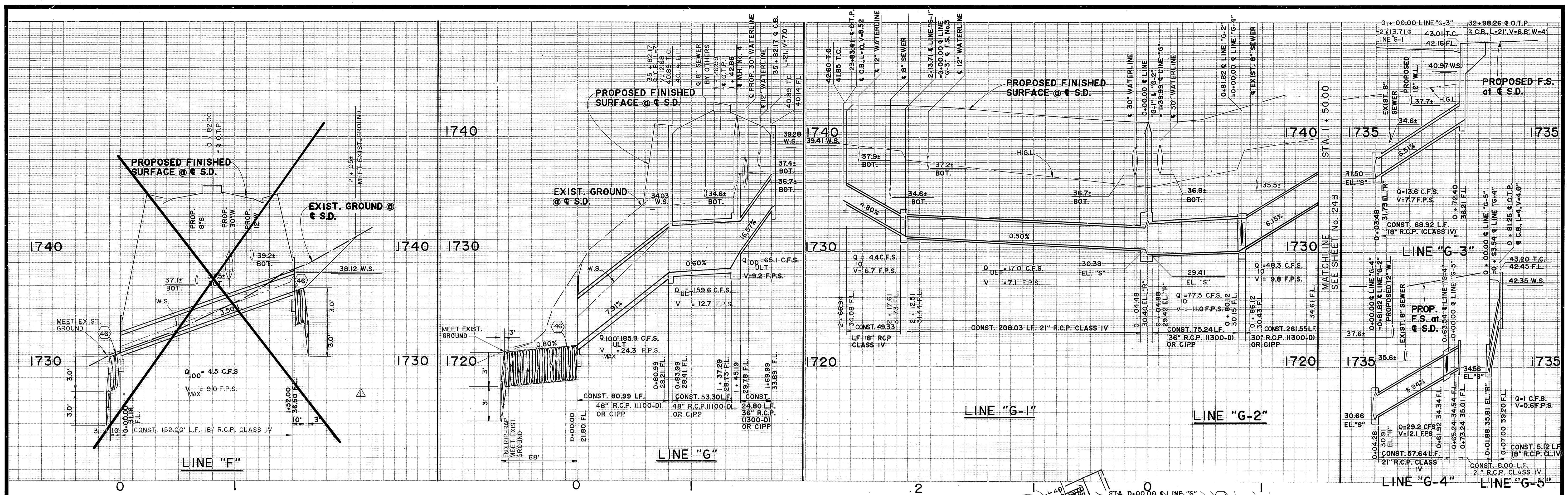
J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92524 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

PLAN 1" = 40'	BENCH MARK: SEE SHEET I
DATE OCT. 1987	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *Barry Bed*
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1-3
STORM DRAIN IMPROVEMENT PLANS
PROJECT NO. **R-2971**
LINES "C" & "D"
SHEET **23** OF **106**
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
FILE NO. 87-1005B

INDEXED 12-9-92 JH



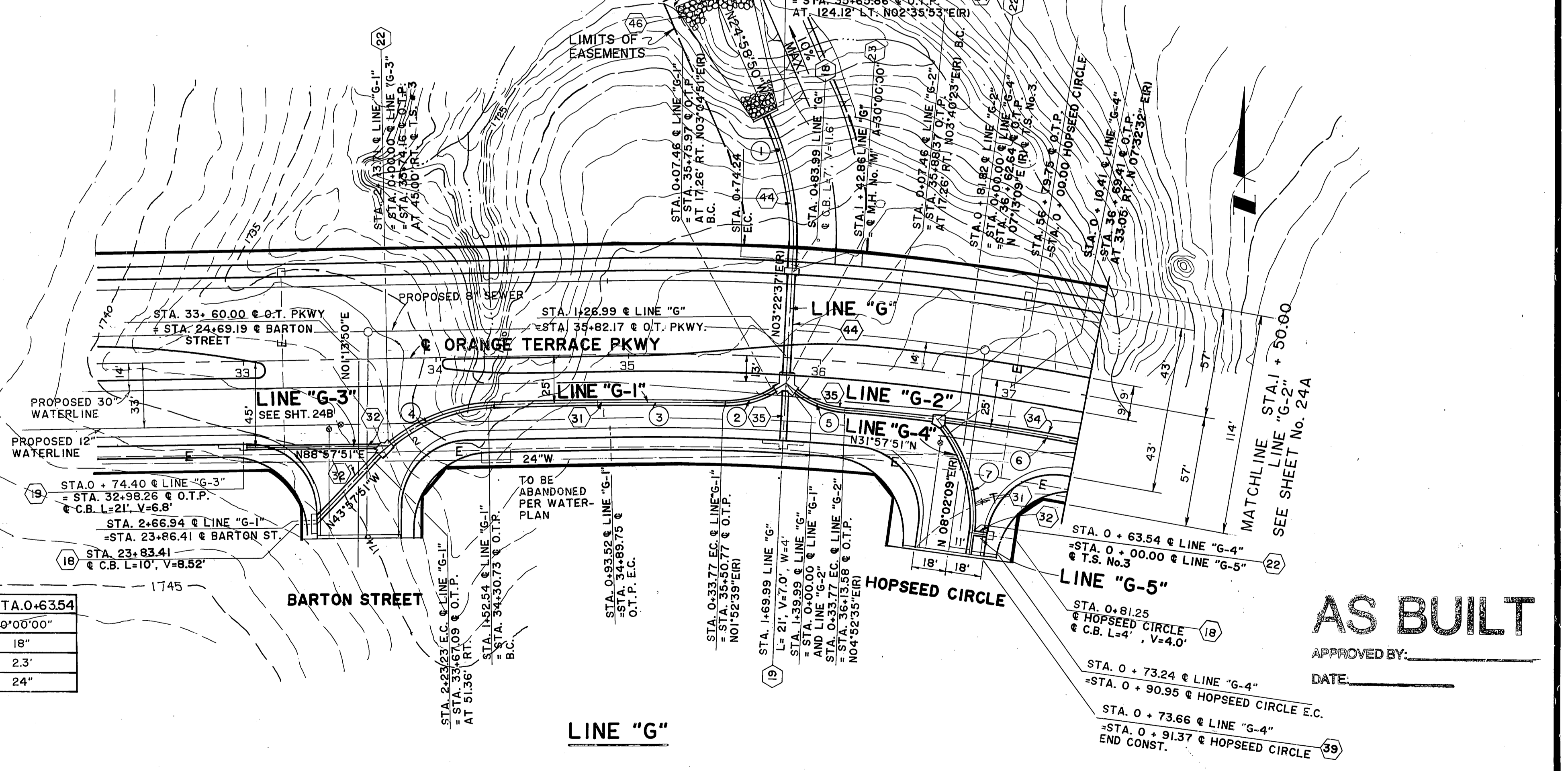
MH. "JM" at STA.1 + 39.65

21" LATERAL		36" LATERAL	
A	B	A	B
55'00"00"	21'	55'00"00"	36'
57'	4.9'	57'	5.3'
D1	36"	D	36"
D2	48"	D	48"
E	5.2'	E	5.2'
L	7.9'	L	7.9'

T.S. 3 at STA.2 + 13.71

A	B	C	D	E	L
45'00"00"	18"	3.9'	18"	3.9'	5.1'
50'49'41"	21'	4.7'	30"	36"	4.3'
50'00"00"	18"	2.3'	18"	3.9'	6.0'

Δ	R	L	T
①	28'21'27"	150.00'	74.24' 37.90'
②	33'30'02"	45.00'	26.31' 13.54'
③	02'54'48"	1175.00"	59.75' 29.88'
④	45'00'00"	90.00'	70.64' 37.28'
⑤	33'30'02"	45.00'	26.31' 13.54'
⑥	14'53'49"	1175.00"	305.50' 153.62'
⑦	40'00'00"	90.00'	62.83 32.76'



Underground Service Alert
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TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE DIRECTION OF:
William W. ...
REGISTERED CIVIL ENGINEER NO. 35458
EXPIRATION DATE 9/30/91 DATE: 10/14/88
APPROVED BY:

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-6691
SCALE: 1" = 40'
BENCH MARK: SEE SHEET No.1
DATE: OCT. 1987

J.F.D. ASSOCIATES
AS-BUILT-DELETE S.D.
MARK REVISIONS APPR. DATE
DESIGNED BY: E.F. DRAWN BY: C.A.T. CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *Barry Beal*
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CHIEF P.W. ENGR.
DATE: 3/23/89

CFD 86-1-3
STORM DRAIN IMPROVEMENT PLANS
LINES "F" & "G"
PROJECT NO. R-2971
SHEET 24 OF 106
FILE NO. 87-10058
HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=4'

AS BUILT
APPROVED BY: _____
DATE: _____

INDEXED 12-9-92 LFL

TRAUTWEIN ROAD

INSTALL PER CITY STANDARDS
(2) 4" SCH. 40 PVC SLEEVES WITH
CAPS FOR FUTURE IRRIGATION USE
AT STA. PT. 249+00.

ISLAND
CONSTRUCTION

THIS
SHEET

N.I.C.

N.I.C.

N.I.C.

BEGINNING OF
MEDIAN

VAN BUREN BOULEVARD

MATCH
LINE

INSTALL PER CITY STANDARDS
(2) 4" SCH. 40 PVC SLEEVES WITH
CAPS FOR FUTURE IRRIGATION USE
AT STA. PT. 256+00

THIS
SHEET

ISLAND
CONSTRUCTION

254

255

256

N.I.C.

N.I.C.

MATCH
LINE

VAN BUREN BOULEVARD

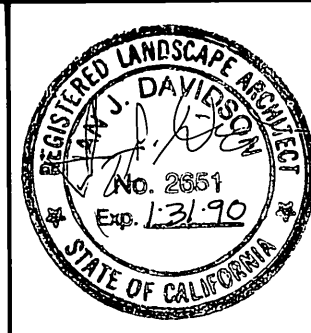
END OF
MEDIAN

AS BUILT

APPROVED BY: _____
DATE: _____

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE: _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

1" = 20'-0"
DATE **MAY 1988**

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	<i>[Signature]</i>	8-23-89	<i>[Signature]</i>
PARK DEPARTMENT	<i>[Signature]</i>	6-3-89	DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION	<i>[Signature]</i>	1-22-89	
CHIEF P.W. ENGR.	<i>[Signature]</i>	3-22-89	

CFD 86-1
IRRIGATION PLAN
VAN BUREN BLVD.
STA. 248 TO 256.15

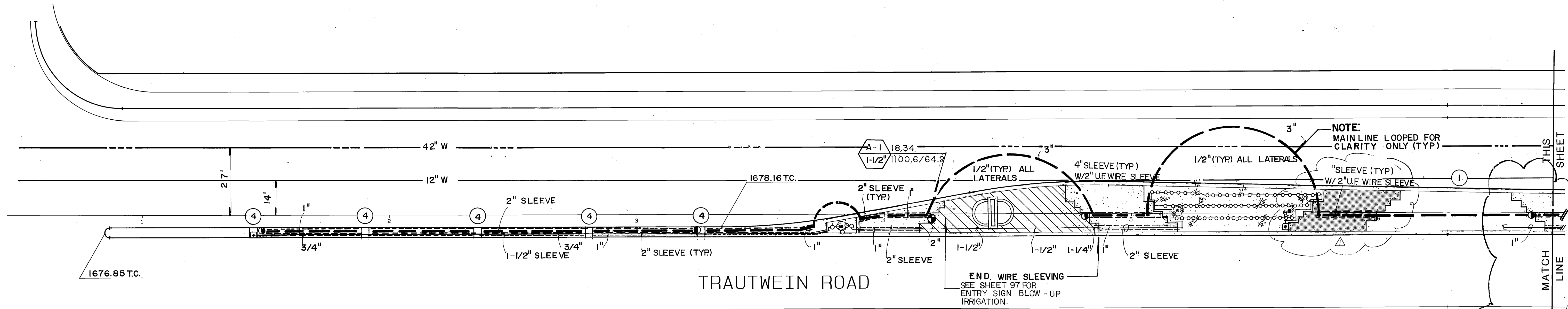
PROJECT NO. R-2971
SHEET **26** OF 106
FILE NO. 8710058

HORIZ. SCALE: 1" VERT. SCALE: 1"

INDEXED 12-9-92 4th

R-2445

VAN BUREN BOULEVARD



NOTE: MAIN LINE LOOPED FOR CLARITY ONLY (TYP)

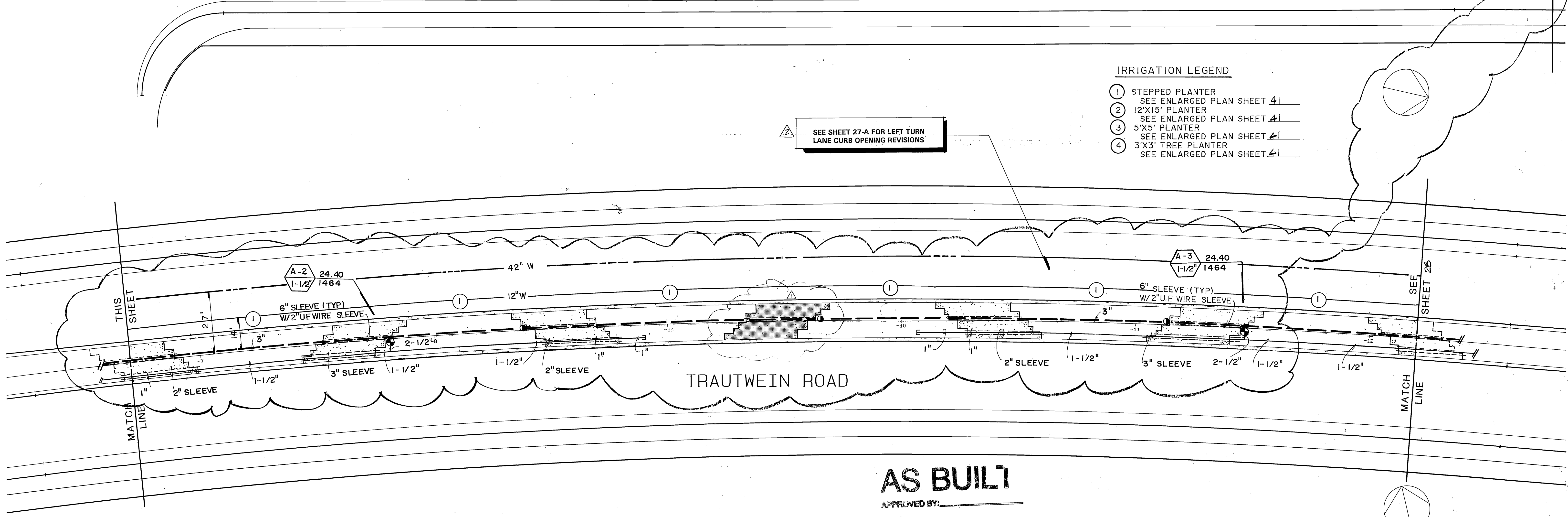
END WIRE SLEEVING SEE SHEET 97 FOR ENTRY SIGN BLOW-UP IRRIGATION.

TRAUTWEIN ROAD

IRRIGATION LEGEND

- ① STEPPED PLANTER SEE ENLARGED PLAN SHEET 41
- ② 12'X15' PLANTER SEE ENLARGED PLAN SHEET 41
- ③ 5'X5' PLANTER SEE ENLARGED PLAN SHEET 41
- ④ 3'X3' TREE PLANTER SEE ENLARGED PLAN SHEET 41

SEE SHEET 27-A FOR LEFT TURN LANE CURB OPENING REVISIONS



TRAUTWEIN ROAD

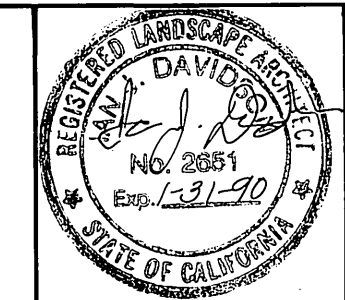
AS BUILT

APPROVED BY: _____ DATE: _____

REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
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1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
 REGISTERED CIVIL ENGINEER NO. _____
 EXPIRATION DATE _____ DATE: _____
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 888-0844 (714) 825-1082 (619) 346-5631

BENCH MARK:
 1" = 20'-0"
 DATE: **MAY 1988**

MARK	AS BUILT	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY		

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *Barry Bell*
 PRINCIPAL ENGINEER
 TRAFFIC DIVISION
 CHIEF P.W. ENGR.
 DATE: **3/23/89**

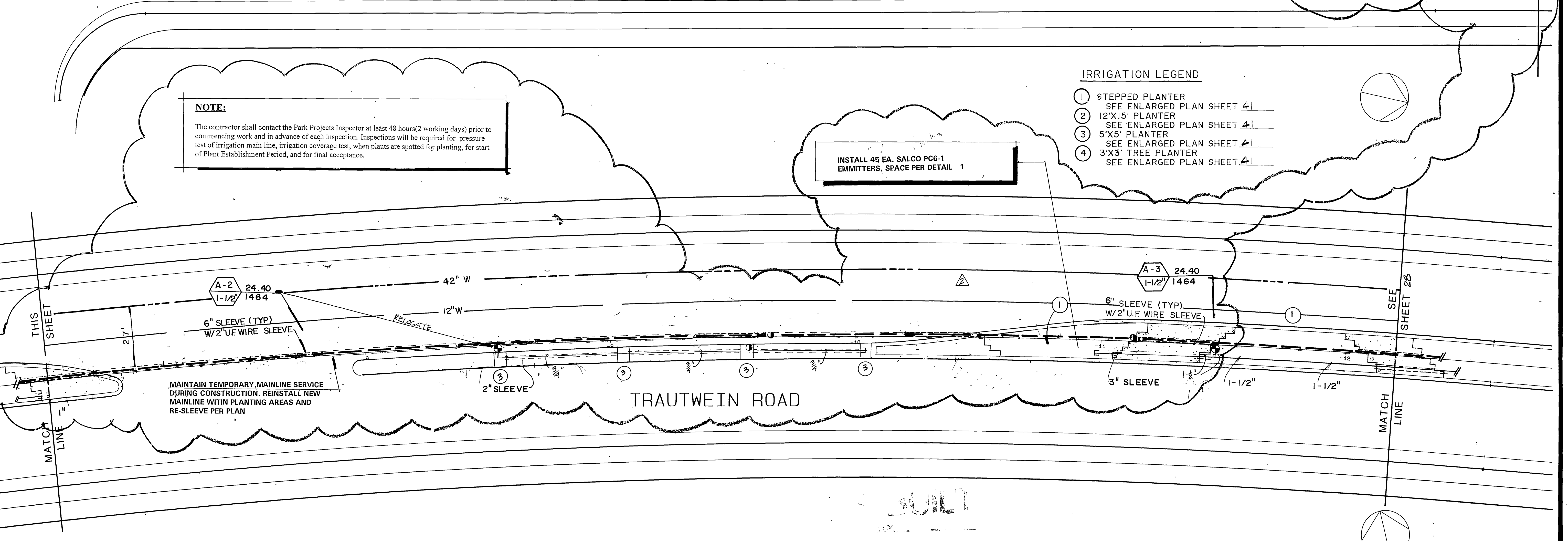
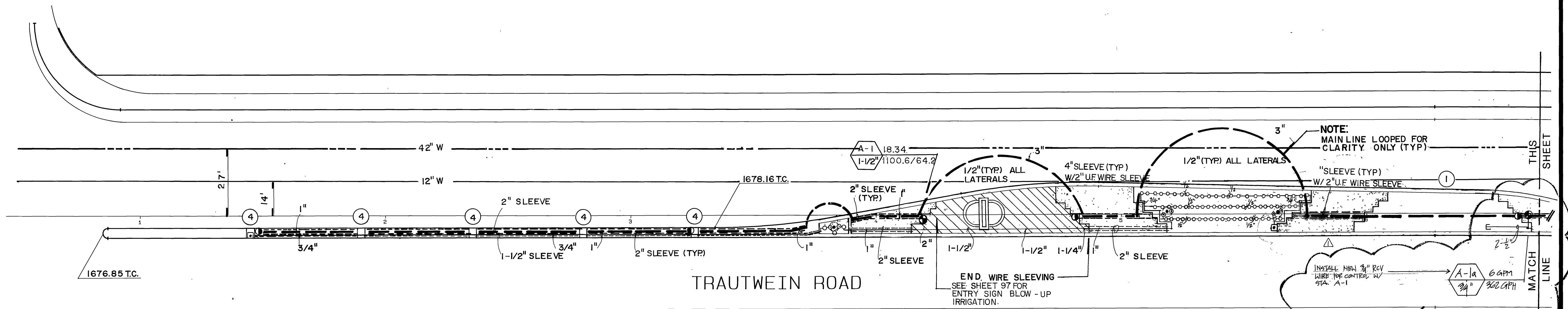
CFD 86-1
IRRIGATION PLAN
TRAUTWEIN ROAD
 STA. 1 TO 12.2

PROJECT NO. **R-2971**
 SHEET **27** OF **106**
 FILE NO. **8710058**

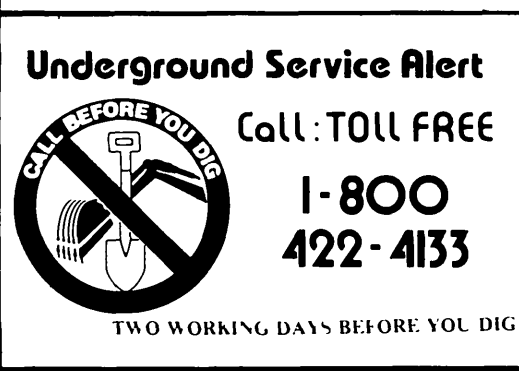
HORIZ. SCALE: 1" VERT. SCALE: 1"

INDEXED 12-9-92 LK

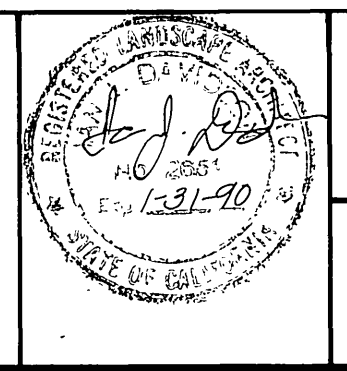
VAN BUREN BOULEVARD



- IRRIGATION LEGEND**
- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 41
 - ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 41



PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493
RIVERSIDE, CA 92502 (714) 686-0844
11200 SO. MT. VERNON AVE. #D
COLTON, CA 92324 (714) 825-1082
73-080 EL PASEO, #103
PALM DESERT, CA 92260 (619) 346-6691

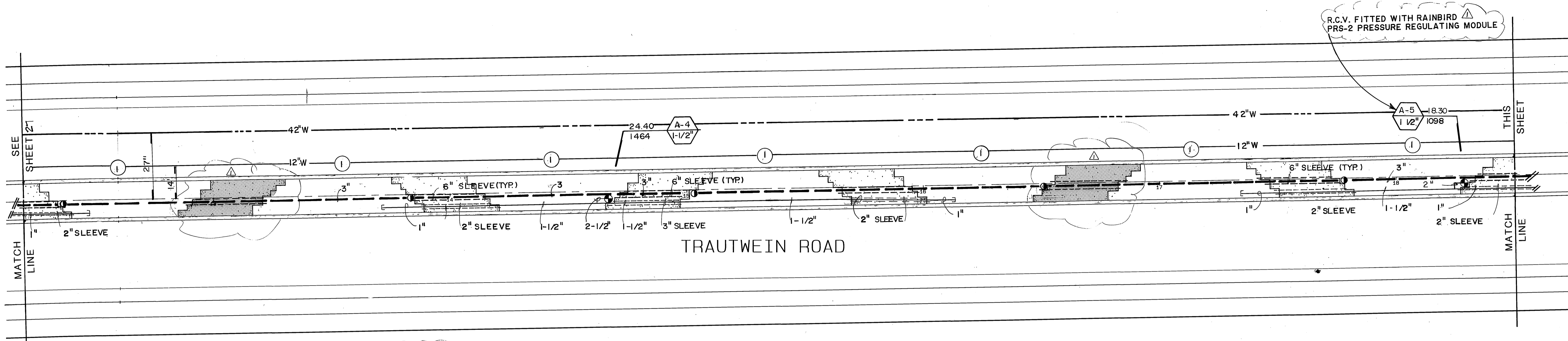
MARK	AS BUILT	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY		

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____ BY DATE: _____
PRINCIPAL ENGINEER: _____
TRAFFIC DIVISION: _____
CHIEF P.W. ENGR. _____

CFD 86-1
IRRIGATION PLAN
TRAUTWEIN ROAD
STA. 1 TO 12.2'
HORIZ. SCALE: 1" = 20'-0"
VERT. SCALE: 1" = 10'-0"
PROJECT NO. R-2971
SHEET 27 OF 108
FILE NO. 8710058

REFER TO SHEET 41 FOR IRRIGATION NOTES

INDEXED 12-9-92 fth

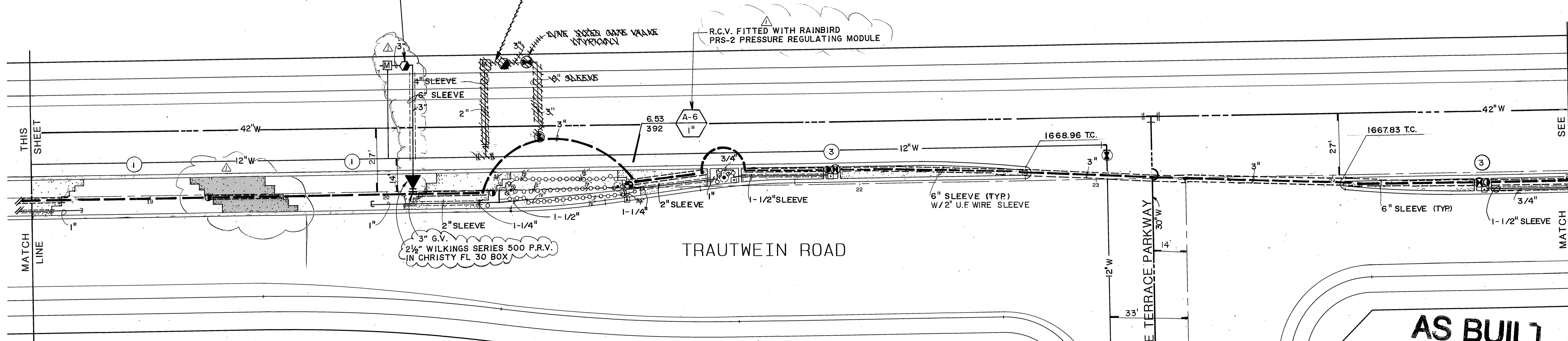
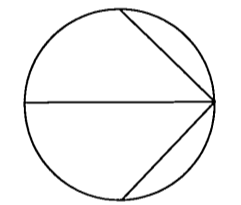


TRAUTWEIN ROAD

STA. 20+10±
 P.O.C.# 1-BY WESTERN MUNICIPAL WATER DISTRICT(780-4170)
 1/2" WATER METER
 2" FEEDER MAIN (COPPER TYPE "K")
 1/2" BACK FLOW DEVICE
 STATIC WATER PRESSURE 82 PSI (NOV. 1988)
 SEE DETAIL 1, SHEET 42

IRRIGATION LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 41
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 41
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 41
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 41



TRAUTWEIN ROAD

AS BUILT

APPROVED BY: _____
DATE: _____

MATCH LINE SEE SHEET 31 REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

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

SCALE: 1" = 20'-0"
DATE: MAY 1988

AS-BUILT.	DESIGNED BY _____	DRAWN BY _____	CHECKED BY _____
MARK	REVISIONS	APPR	DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

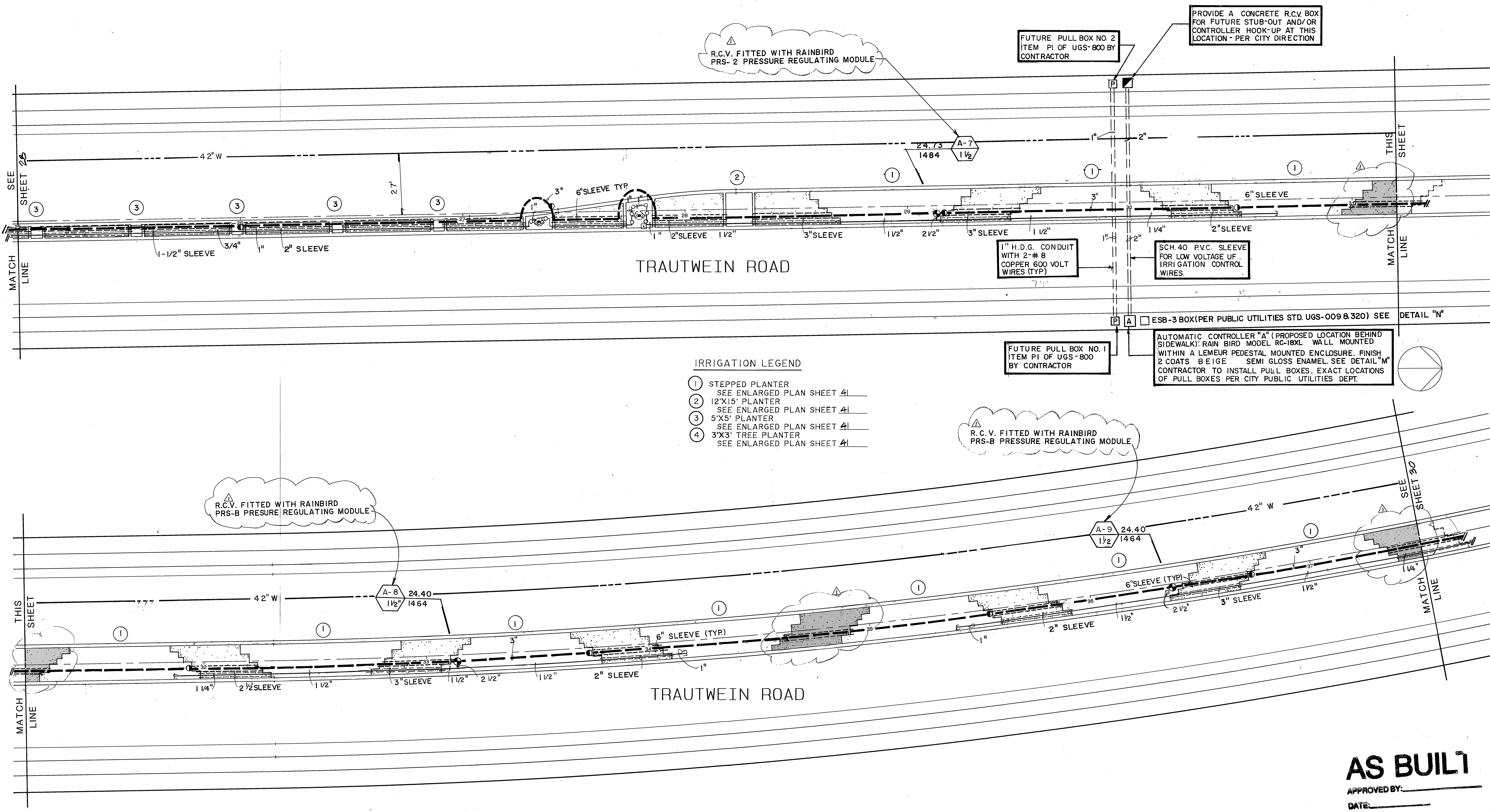
APPROVED BY: _____
PRINCIPAL ENGINEER: _____
PARK DEPARTMENT: _____
TRAFFIC DIVISION: _____
CHIEF P.W. ENGR: _____

DATE: 3/23/89

CFD 86-1
IRRIGATION PLAN
TRAUTWEIN ROAD
STA. 12.2 TO 25

PROJECT NO. R-2971
SHEET 28 OF 106
FILE NO. 8710058

NOTE:
 PILOT WIRE/Common WIRE INFORMATION:
 USE NO. 12UF FOR BOTH WIRE SYSTEMS.
 NO SPLICING SHALL BE PERMITTED BETWEEN VALVES AND CONTROLLER.
 RUN ALL WIRING, AND WIRE SLEEVING IN THE SAME TRENCH AS THE MAIN LINE AND THE MAIN LINE SLEEVING.
 PIG-TAIL ALL CONNECTIONS AT ALL VALVES - 36" LONG BUNDLE AND TAPE WIRES AT 10 FT. INTERVALS.



- IRRIGATION LEGEND**
- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 41
 - ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 41

AUTOMATIC CONTROLLER "A" (PROPOSED LOCATION BEHIND SIDEWALK): RAIN BIRD MODEL RC-18XL WALL MOUNTED WITHIN A LEMEUR PEDESTAL MOUNTED ENCLOSURE. FINISH 2 COATS BEIGE SEMI GLOSS ENAMEL. SEE DETAIL "M" CONTRACTOR TO INSTALL PULL BOXES. EXACT LOCATIONS OF PULL BOXES PER CITY PUBLIC UTILITIES DEPT.

AS BUILT

APPROVED BY: _____
 DATE: _____

REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
 REGISTERED CIVIL ENGINEER NO. _____
 EXPIRATION DATE _____ DATE: _____
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: 1" = 20'-0"
 DATE: MAY 1988

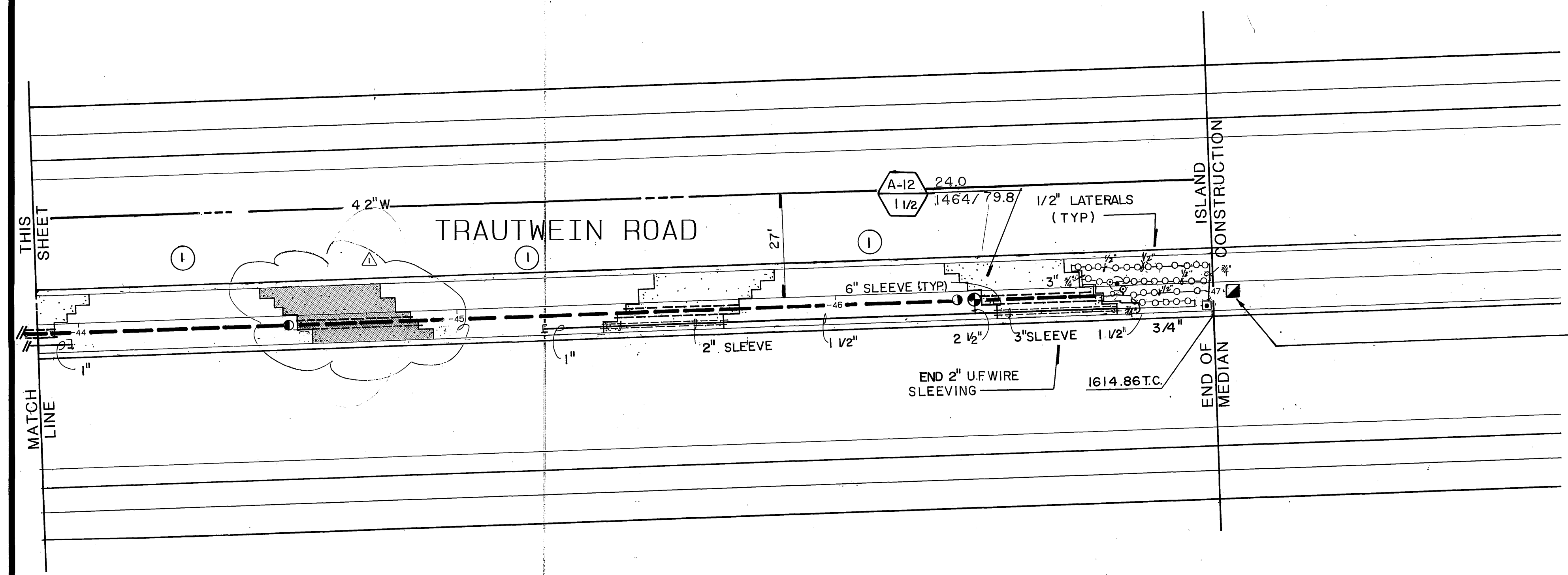
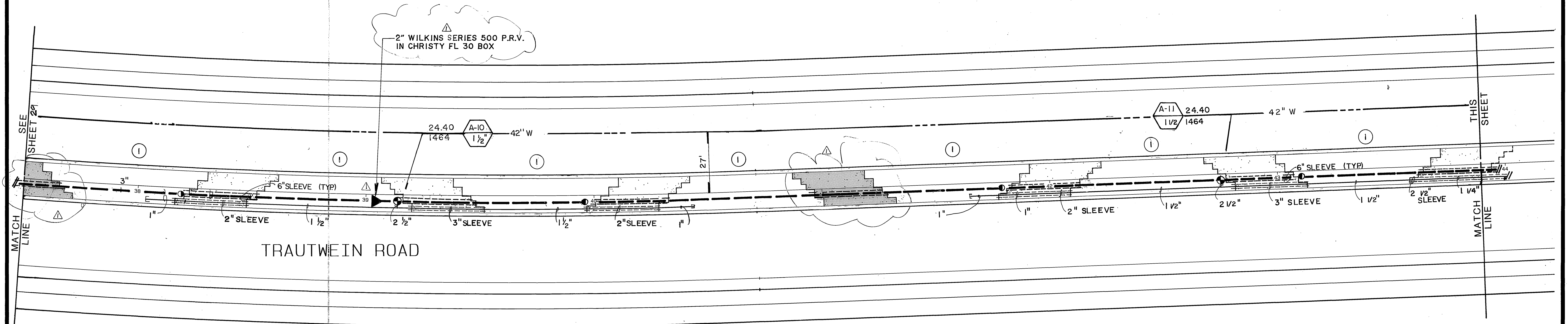
MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: _____ DATE: 12-23-88
 PRINCIPAL ENGINEER: _____
 PARK DEPARTMENT: _____ DATE: 2-3-89
 TRAFFIC DIVISION: _____
 CHIEF P. W. ENGR. _____ DATE: 3-22-89

CFD 86-1
IRRIGATION PLAN
TRAUTWEIN ROAD
 STA. 25 TO 37.5

PROJECT NO. R-2971
 SHEET 29 OF 106
 FILE NO. 8710058



- IRRIGATION LEGEND**
- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 41
 - ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 41

CAP AND STUB-OUT FOR FUTURE USE PLACE IN A CHRISTY CONCRETE RCV BOX. PIG-TAIL WITHIN BOX 4-36" L. PILOT-WIRES AND THE COMMON TAG EACH WIRE TO CORRESPOND WITH ITS CONTROLLER STATION NO. STENCIL TOP OF BOX IN 1/2" HIGH YELLOW LETTERS "FUTURE IRRIGATION WIRES."

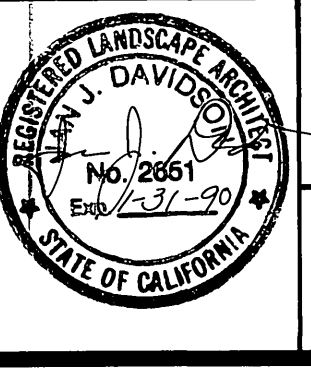
AS BUILT

APPROVED BY: _____
DATE: _____

REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

DATE: **MAY 1988**

MARK	AS-BUILT	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY		

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: *ME 12/33/87* DATE: _____
PRINCIPAL ENGINEER
TRAFFIC DIVISION: *30 6-2-88*
CHIEF P.W. ENGR. DATE: *3/22/89*

CFD 86-1
IRRIGATION PLAN
TRAUTWEIN ROAD
STA. 37.5 TO 47.0

PROJECT NO. R-2971
SHEET **30** OF 106
FILE NO. 8710058

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

INDEXED 12-9-92 LFI

2245

TRAUTWEIN ROAD

1667.16 T.C.

MATCH LINE
SEE SHEET 28

③ ③ ③ ③
2" SLEEVE (TYP)

3/4" 1 1/2" SLEEVE

3/4" 1 1/2" SLEEVE

1" 2" SLEEVE

1" 2" SLEEVE

1 1/4"

B-9 21.9
1 1/2" 1314/68.10

1 1/2" 3" SLEEVE

2 1/2"

1 1/2"

2" SLEEVE

1"

6" SLEEVE (TYP)

THIS SHEET
MATCH LINE

ORANGE TERRACE PARKWAY

IRRIGATION LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 41
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 41
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 41
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 41

WATER LINE

R.C.V. FITTED WITH RAINBIRD
PRS-B PRESURE REGULATING MODULE

16.13
968 B-8
1 1/2" 2"

1/2" (TYP) ALL LATERALS

③ ③ ③

1"

2" SLEEVE

1 1/2"

2" SLEEVE

2" SLEEVE

1"

3/4" 1 1/2" SLEEVE (TYP)

1712.55 T.C.

6" SLEEVE (TYP)
W/ 2" U.F. SLEEVE

SEE SHEET 32
MATCH LINE

ORANGE TERRACE PARKWAY

FIRE STATION

SILK OAK
DR.

AS BUILT

APPROVED BY: _____
DATE: _____

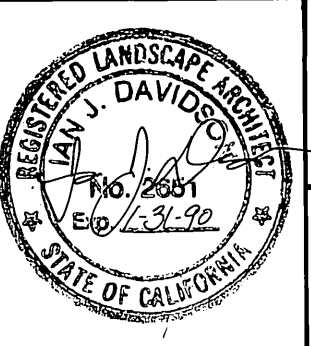
REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
Call: TOLL FREE
1-800
422-4133

TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

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PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____

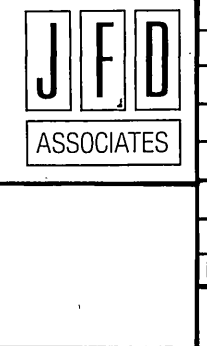
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92524 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE
1" = 20'-0"

DATE: MAY 1988



MARK	REVISIONS	APPR. DATE
▲	MEDIAN CURB ADJUSTMENTS	1/22/89
DESIGNED BY	DRAWN BY	CHECKED BY

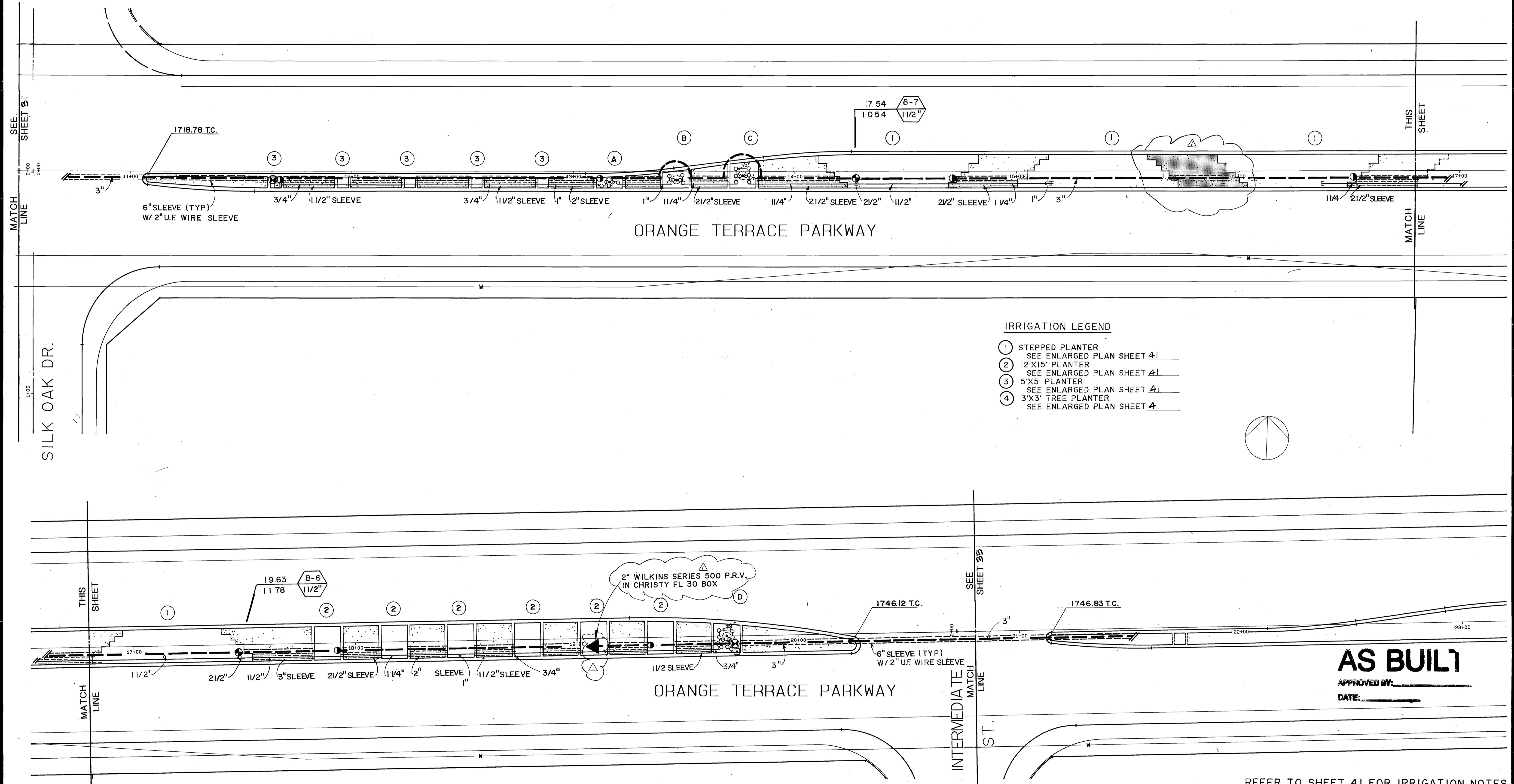
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY DATE: 3/23/89
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR. B-22

CFD 86-1
IRRIGATION PLAN
ORANGE TERRACE PKWY
STA. 1 TO 10.5

PROJECT NO. R-2971
SHEET 31 OF 106
FILE NO. 8710058

INDEXED 12-9-92 44



IRRIGATION LEGEND

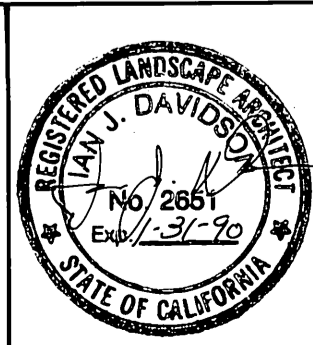
- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 41
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 41
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 41
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 41

AS BUILT
 APPROVED BY: _____
 DATE: _____

REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
 Call: TOLL FREE
 1-800
 422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE DIRECTION OF:
 REGISTERED CIVIL ENGINEER NO. _____ DATE: _____
 EXPIRATION DATE _____ DATE: _____
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 696-0844 (714) 825-1082 (619) 346-5681

SCALE: 1" = 20'-0"
 DATE: MAY 1988

MARK	AS-BUILT	DESIGNED BY	DRAWN BY	CHECKED BY
REVISIONS	APPR.	DATE		

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ DATE: 3/23/89
 PRINCIPAL ENGINEER: _____
 PARK DEPARTMENT: _____
 TRAFFIC DIVISION: _____
 CHIEF P.W. ENGR: _____

CFD 86-1
IRRIGATION PLAN
ORANGE TERRACE PKWY
 STA. 10.5 TO 20.8

PROJECT NO. R-2971
 SHEET 32 OF 106
 FILE NO. 8710058

NOTE
 PILOT WIRE / COMMON WIRE INFORMATION:
 USE NO. 12 U.F. FOR BOTH WIRE SYSTEMS.
 NO SPLICING SHALL BE PERMITTED BETWEEN VALVES AND CONTROLLER. RUN ALL WIRING, AND WIRE SLEEVING IN THE SAME TRENCH AS THE MAIN LINE AND MAIN LINE SLEEVING. PIG-TAIL ALL CONNECTIONS AT ALL VALVES - 36" LONG. BUNDLE AND TAPE WIRES AT 10FT. INTERVALS.

FUTURE PULL BOX NO. 2
 ITEM PI OF UGS- 800 BY CONTRACTOR

PROVIDE A CONCRETE R.C.V. BOX FOR FUTURE STUB-OUT AND/OR CONTROLLER HOOK-UP AT THIS LOCATION - PER CITY DIRECTION

1" H.D.G. CONDUIT WITH 2 - #8 COPPER 600 VOLT WIRES (TYPICAL)

SCH. 40 P.V.C. SLEEVE FOR LOW VOLTAGE IRRIGATION CONTROL WIRES.

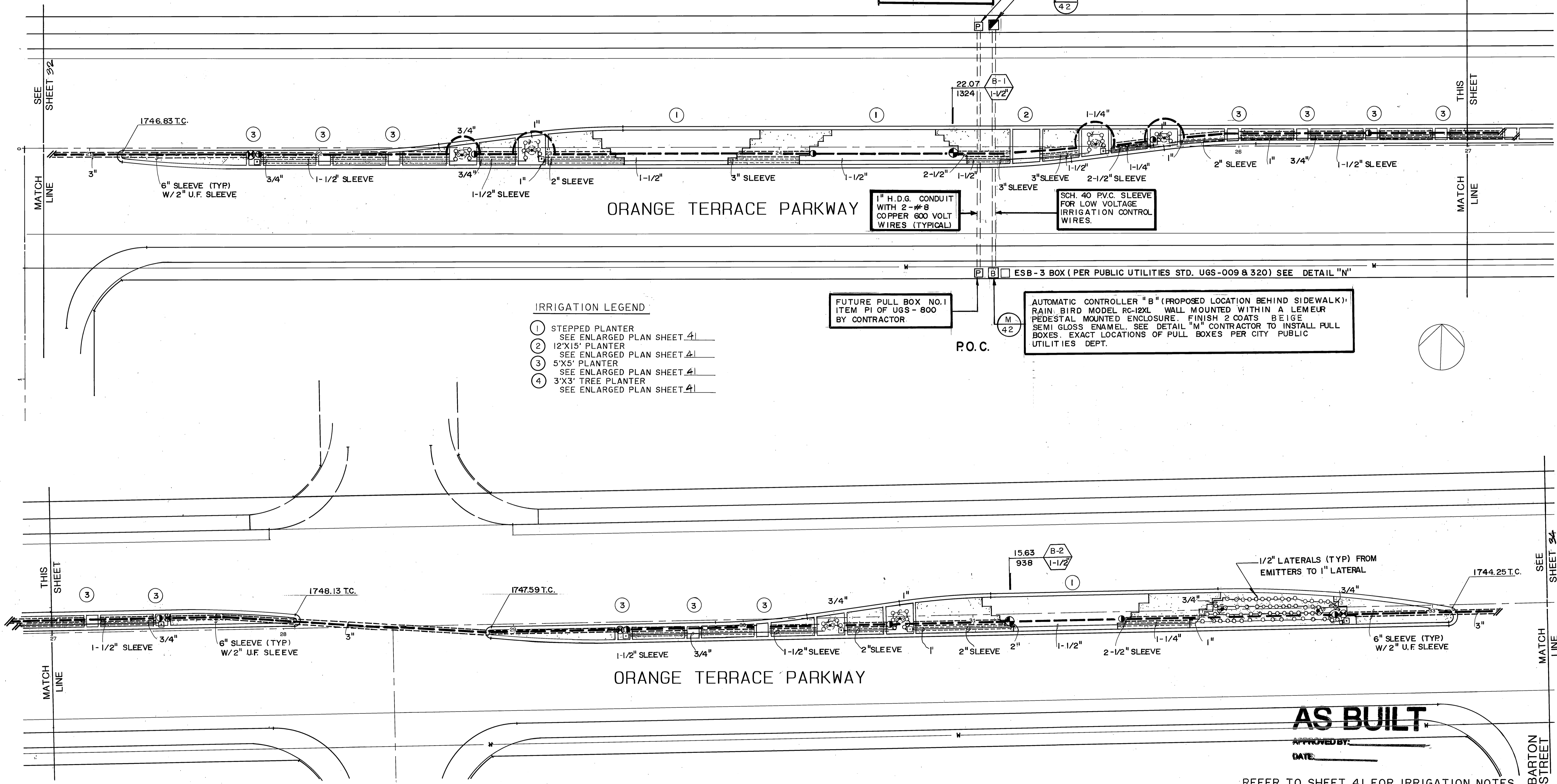
AUTOMATIC CONTROLLER "B" (PROPOSED LOCATION BEHIND SIDEWALK): RAIN BIRD MODEL RC-12XL WALL MOUNTED WITHIN A LEMEUR PEDESTAL MOUNTED ENCLOSURE. FINISH 2 COATS BEIGE SEMI GLOSS ENAMEL. SEE DETAIL "M" CONTRACTOR TO INSTALL PULL BOXES. EXACT LOCATIONS OF PULL BOXES PER CITY PUBLIC UTILITIES DEPT.

- IRRIGATION LEGEND**
- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 41
 - ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 41

FUTURE PULL BOX NO. 1
 ITEM PI OF UGS- 800 BY CONTRACTOR

P.O.C.

ESB - 3 BOX (PER PUBLIC UTILITIES STD. UGS-009 & 320) SEE DETAIL "N"



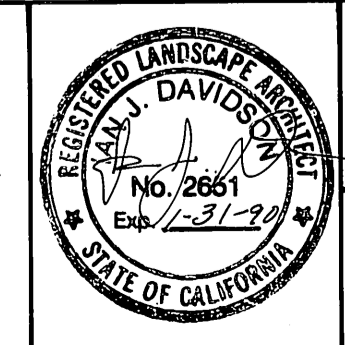
AS BUILT

APPROVED BY: _____
 DATE: _____

REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
 Call: TOLL FREE
1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE DIRECTION OF:
 REGISTERED CIVIL ENGINEER NO. _____ DATE: _____
 EXPIRATION DATE: _____
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 866-0844 (714) 825-1082 (619) 346-5691

1" = 20'-0"
 DATE: MAY 1988

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

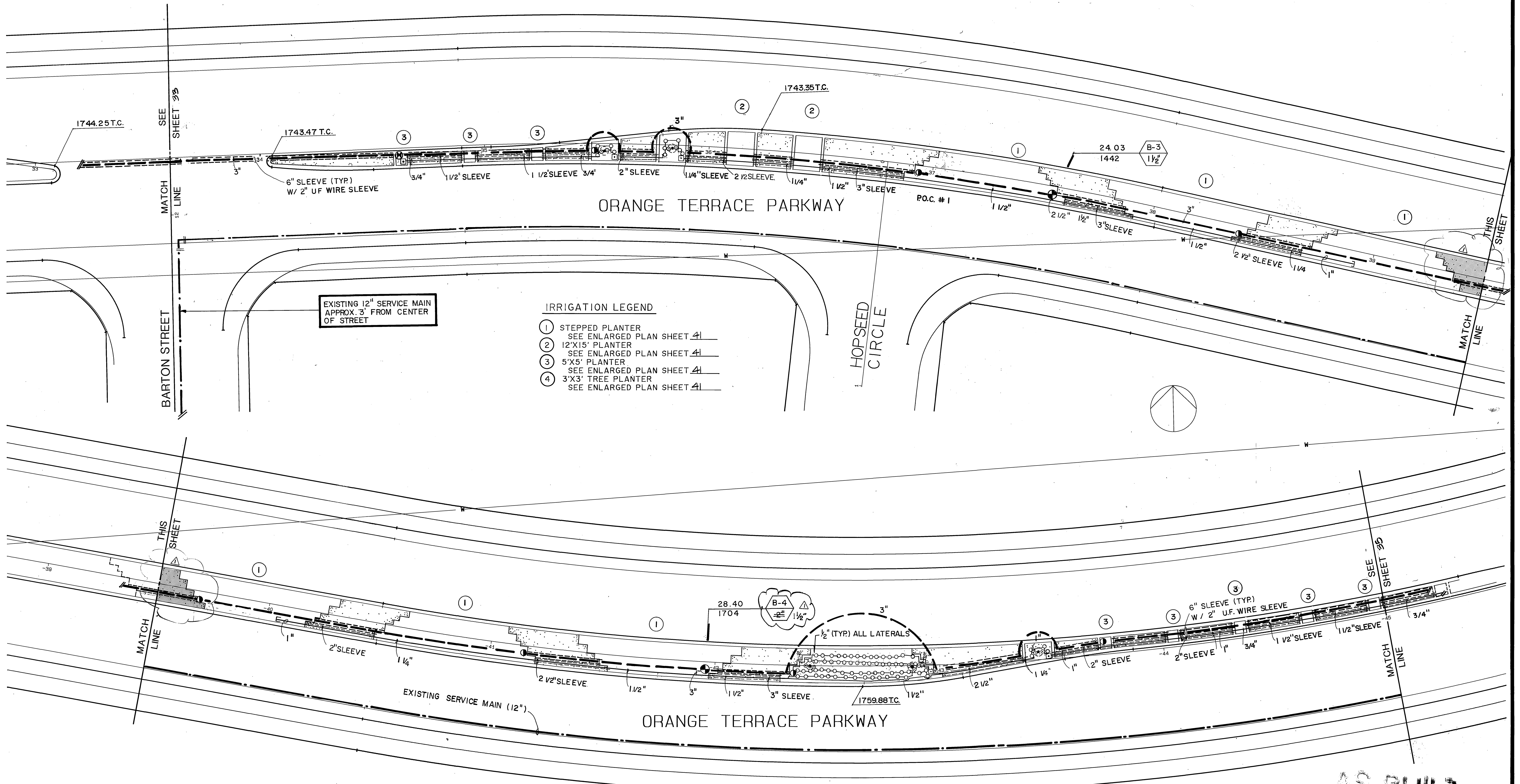
APPROVED BY: _____ BY DATE: _____
 PRINCIPAL ENGINEER: _____
 PARK DEPARTMENT: _____
 TRAFFIC DIVISION: _____
 CHIEF P. W. ENGR. _____ DATE: 3/23/89

CFD 86-1
IRRIGATION PLAN
ORANGE TERRACE PKWY
 STA. 20.8 TO 33.5

PROJECT NO. R-2971
 SHEET 33 OF 106
 FILE NO. 8710058

HORIZ. SCALE: 1" = 100'
 VERT. SCALE: 1" = 10'

INDEXED 12-9-92 LHH

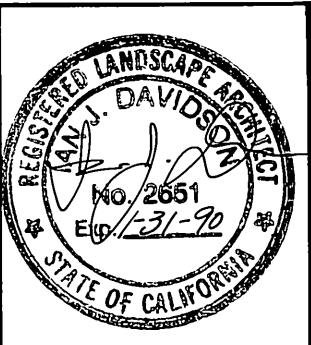


AS BUILT
 APPROVED BY: _____
 DATE: _____

REFER TO SHEET 41 FOR IRRIGATION NOTES

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PREPARED UNDER THE DIRECTION OF:
 REGISTERED CIVIL ENGINEER NO. _____ DATE: _____
 EXPIRATION DATE: _____
 APPROVED BY: _____

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 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 888-0844 (714) 825-1082 (619) 346-5691

BENCH MARK:
 1" = 20'-0"
 DATE **MAY 1988**

AS-BUILT	DESIGNED BY _____	DRAWN BY _____	CHECKED BY _____
REVISIONS	APPR.	DATE	

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

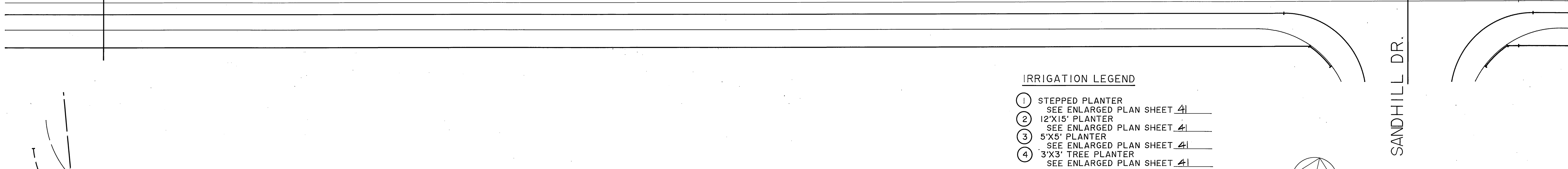
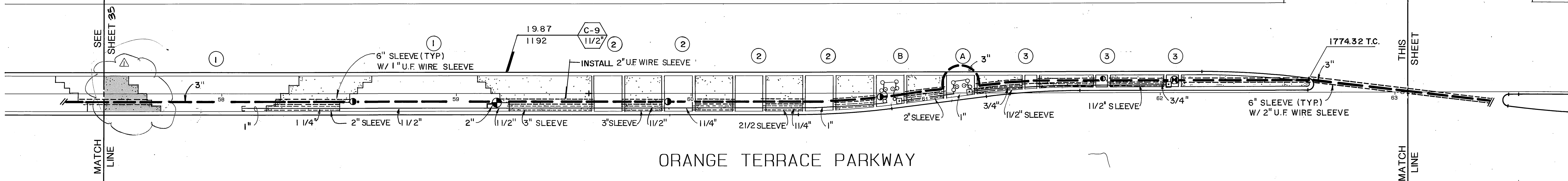
APPROVED BY: _____ BY: _____ DATE: _____
 PRINCIPAL ENGINEER: _____
 PARK DEPARTMENT: _____
 TRAFFIC DIVISION: _____
 CHIEF P.W. ENGR.: _____ DATE: **3/23/89**

CFD 86-1
IRRIGATION PLAN
ORANGE TERRACE PKWY
 STA. 33.5 TO 45

PROJECT NO. R-2971
 SHEET **34** OF 106
 FILE NO. 8710058

INDEXED 12-9-92 4/1

22 2445



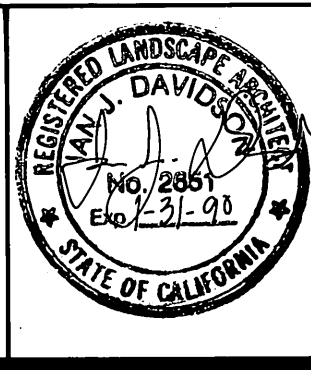
- IRRIGATION LEGEND**
- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 41
 - ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 41

AS BUILT
 APPROVED BY: _____
 DATE: _____

REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
 REGISTERED CIVIL ENGINEER NO. _____ DATE: _____
 EXPIRATION DATE _____ DATE: _____
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-090 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 585-0844 (714) 825-1082 (919) 346-5691

BENCH MARK:
 1" = 20'-0"
 DATE: MAY 1988

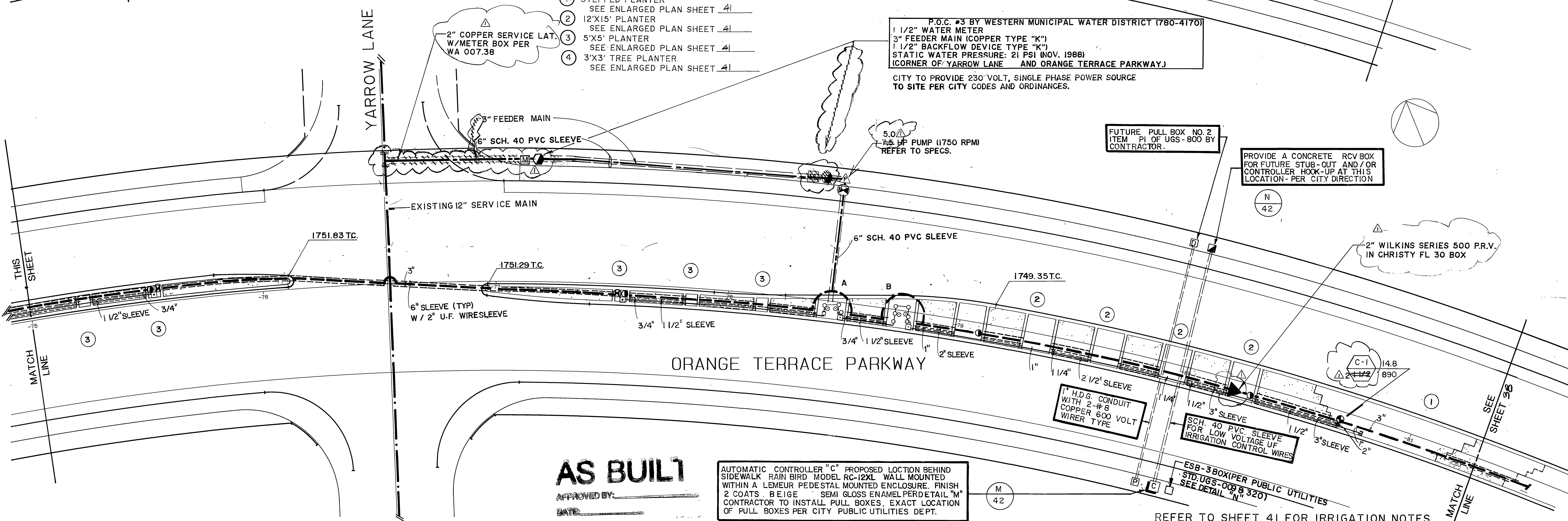
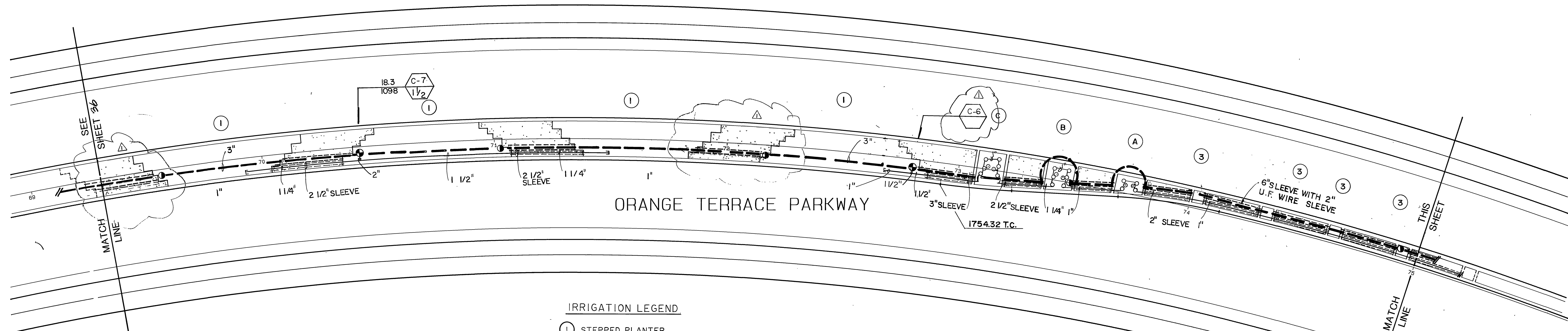
AS-BUILT	DESIGNED BY	DRAWN BY	CHECKED BY
MARK	REVISIONS	APPR. DATE	

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: *Barry Beck* DATE: 3/23/89
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR. DATE: 3-22

CFD 86-1
IRRIGATION PLAN
ORANGE TERRACE PKWY
 STA. 57.5 TO 69.3

PROJECT NO. R-2971
 SHEET 36 OF 106
 FILE NO. 8710058



- IRRIGATION LEGEND**
- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 41
 - ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 41

P.O.C. #3 BY WESTERN MUNICIPAL WATER DISTRICT (780-4170)
 1 1/2" WATER METER
 3" FEEDER MAIN (COPPER TYPE "K")
 1 1/2" BACKFLOW DEVICE TYPE "K"
 STATIC WATER PRESSURE: 21 PSI (NOV. 1988)
 (CORNER OF YARROW LANE AND ORANGE TERRACE PARKWAY.)
 CITY TO PROVIDE 230 VOLT, SINGLE PHASE POWER SOURCE
 TO SITE PER CITY CODES AND ORDINANCES.

FUTURE PULL BOX NO. 2
 ITEM #1 OF UGS-800 BY
 CONTRACTOR.

PROVIDE A CONCRETE RCV BOX
 FOR FUTURE STUB-OUT AND/OR
 CONTROLLER HOOK-UP AT THIS
 LOCATION - PER CITY DIRECTION

2" WILKINS SERIES 500 P.R.V.
 IN CHRISTY FL 30 BOX

1" H.D.G. CONDUIT
 WITH 2-#8
 COPPER 600 VOLT
 WIRER TYPE

SCH. 40 PVC SLEEVE
 FOR LOW VOLTAGE UF
 IRRIGATION CONTROL WIRES

ESB-3 BOX (PER PUBLIC UTILITIES
 STD. UGS-009 B 320)
 SEE DETAIL "N"

AS BUILT
 APPROVED BY: _____
 DATE: _____

AUTOMATIC CONTROLLER "C" PROPOSED LOCATION BEHIND
 SIDEWALK RAIN BIRD MODEL RC-12XL WALL MOUNTED
 WITHIN A LEMEURE PEDESTAL MOUNTED ENCLOSURE. FINISH
 2 COATS B.E.I.G.E. SEMI GLOSS ENAMEL PER DETAIL "M"
 CONTRACTOR TO INSTALL PULL BOXES, EXACT LOCATION
 OF PULL BOXES PER CITY PUBLIC UTILITIES DEPT.

REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
 Call: TOLL FREE
1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH
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 WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR
 JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT,
 INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL
 BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING
 HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY
 AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR
 ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT
 EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL



PREPARED UNDER THE DIRECTION OF:
 REGISTERED CIVIL ENGINEER NO. _____
 EXPIRATION DATE: _____ DATE: _____
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 75-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0644 (714) 825-1082 (619) 348-6691

BENCH MARK:
 1" = 20'-0"
 DATE **MAY 1988**

AS-BUILT.	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: _____ DATE: **12-23-89**
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR. **3.22**

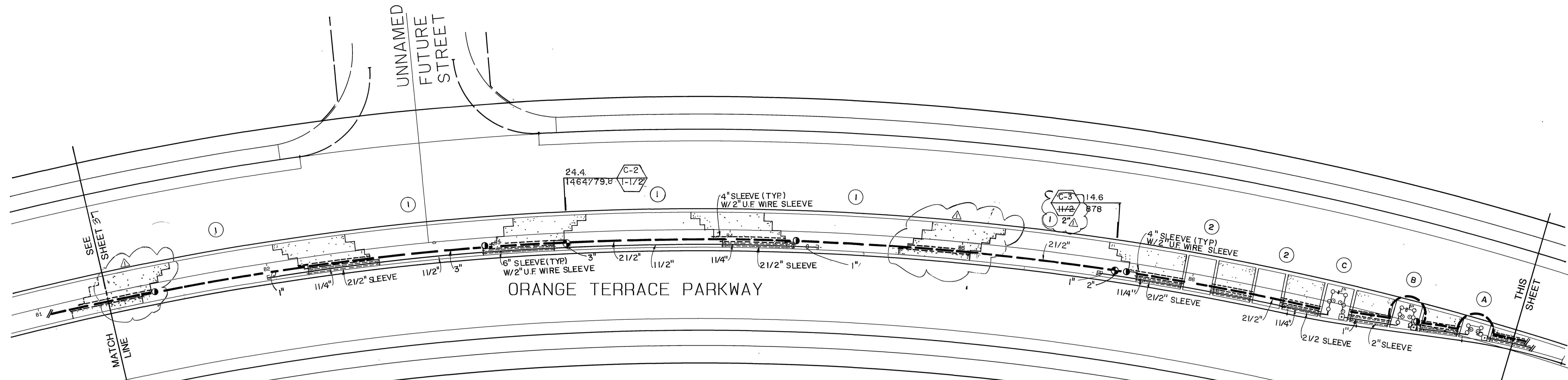
APPROVED BY: *Barry Bell*
 DIRECTOR OF PUBLIC WORKS
 DATE: **3/23/89**

CFD 86-1
IRRIGATION PLAN
ORANGE TERRACE PKWY
 STA. 69.3 TO 81.3

PROJECT NO. **R-2971**
 SHEET **37** OF **106**
 FILE NO. **8710058**

HORIZ. SCALE: 1" = 100'
 VERT. SCALE: 1" = 10'

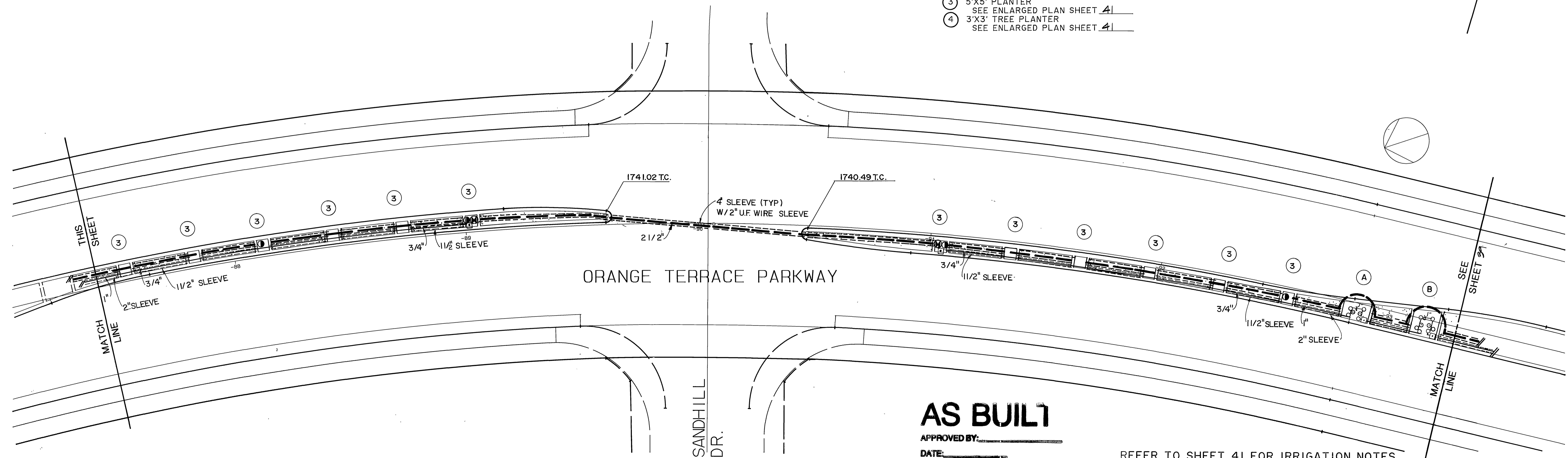
INDEXED 12-9-92 LHM



ORANGE TERRACE PARKWAY

IRRIGATION LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 41
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 41
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 41
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 41



ORANGE TERRACE PARKWAY

AS BUILT

APPROVED BY: _____
DATE: _____

REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 886-0844 (714) 825-1082 (619) 348-5691

SCALE: 1" = 20'-0"
BENCH MARK: _____
DATE: MAY 1988

JFD ASSOCIATES	AS-BUILT	REVISIONS	APPR.	DATE
	DESIGNED BY	DRAWN BY	CHECKED BY	

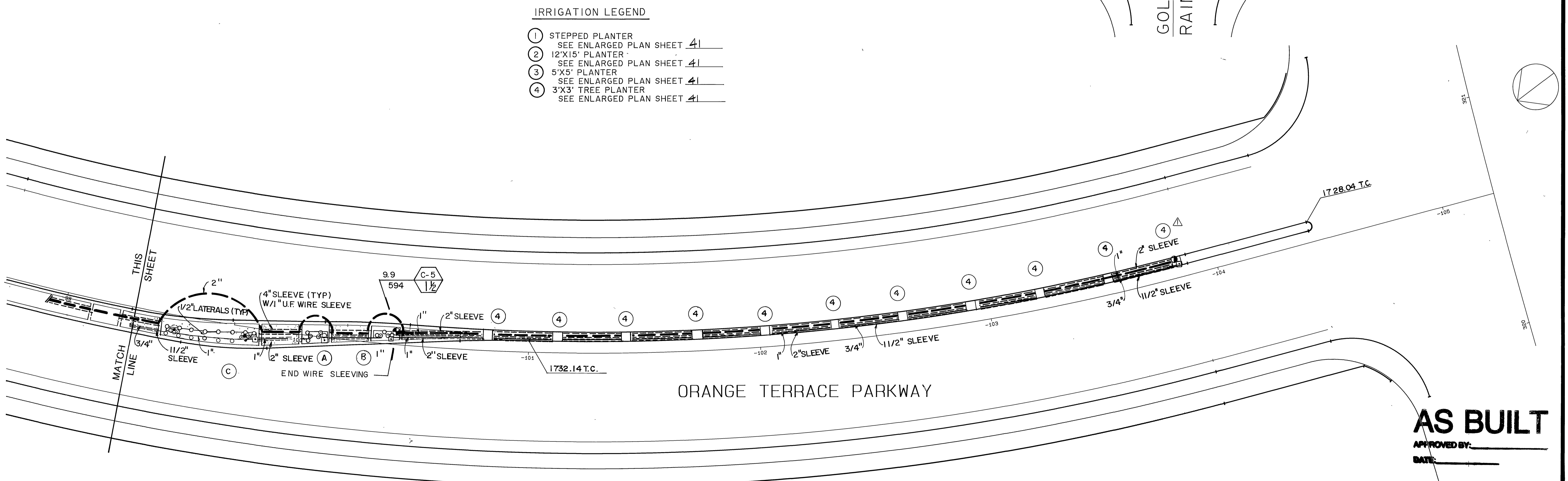
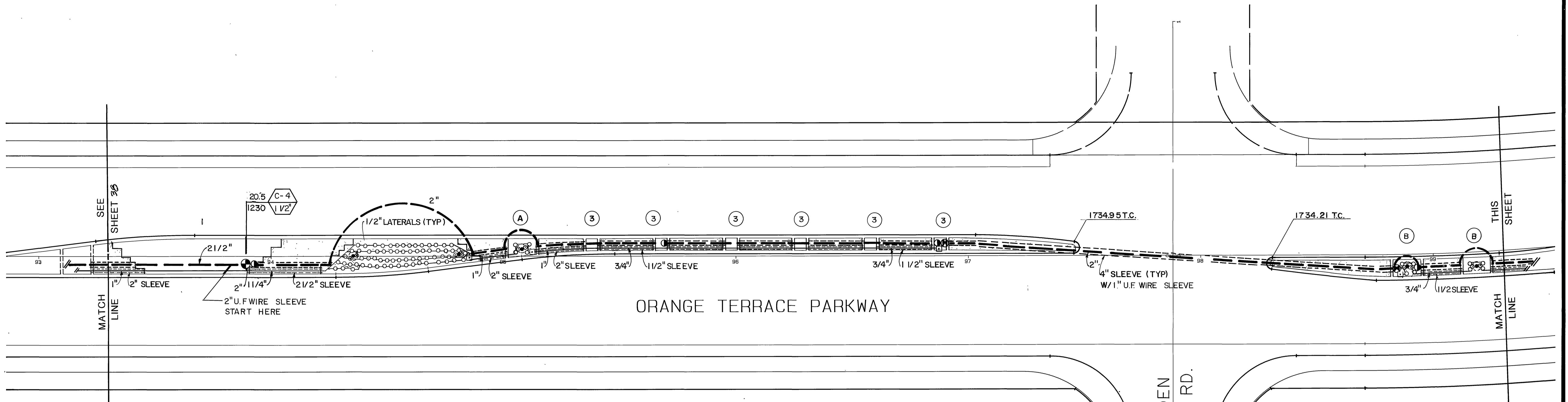
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: _____ DATE: _____
PRINCIPAL ENGINEER: _____
PARK DEPARTMENT: _____
TRAFFIC DIVISION: _____
CHIEF P. W. ENGR.: _____ DATE: 3/23/89

CFD 86-1
IRRIGATION PLAN
ORANGE TERRACE PKWY
STA. 81.3 TO 93.3

PROJECT NO. R-2971
SHEET 38 OF 106
FILE NO. 8710058

INDEXED 12-9-92 LPH



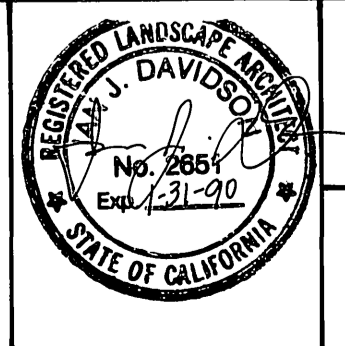
- IRRIGATION LEGEND**
- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 41
 - ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 41
 - ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 41

AS BUILT
 APPROVED BY: _____
 DATE: _____

REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
 Call: TOLL FREE
 1-800
 422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE DIRECTION OF:
 REGISTERED CIVIL ENGINEER NO. _____ DATE: _____
 EXPIRATION DATE _____ DATE: _____
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 75-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 886-0844 (714) 825-1082 (819) 346-5681

BENCH MARK:
 1" = 20'-0"
 DATE **MAY 1988**

AS-BUILT	REVISIONS	APPR.	DATE
DESIGNED BY _____	DRAWN BY _____	CHECKED BY _____	

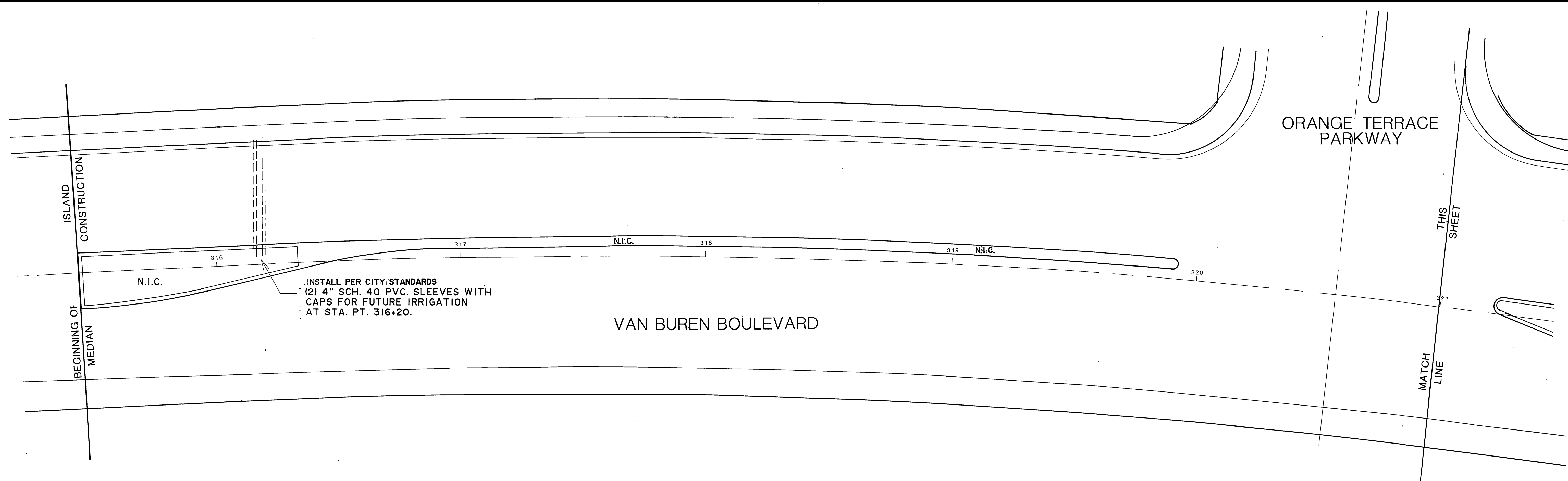
CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: _____ DATE: _____
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR. _____ DATE: **3/23/89**

CFD 86-1
IRRIGATION PLAN
ORANGE TERRACE PKWY
 STA. 93.3 TO 105.0

PROJECT NO. R-2971
 SHEET **39** OF 106
 FILE NO. 8710058

INDEXED 12-9-92 LHM



ORANGE TERRACE PARKWAY

VAN BUREN BOULEVARD

INSTALL PER CITY STANDARDS
(2) 4" SCH. 40 PVC. SLEEVES WITH
CAPS FOR FUTURE IRRIGATION
AT STA. PT. 316+20.

INSTALL PER CITY STANDARDS
(2) 4" SCH. 40 PVC. SLEEVES WITH
CAPS FOR FUTURE IRRIGATION
AT STA. PT. 322+60.

VAN BUREN BOULEVARD

AS BUILT

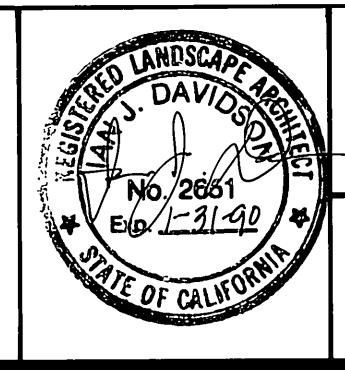
APPROVED BY: _____
DATE: _____

NOTE: FUTURE CONSTRUCTION-
FOR REFERENCE ONLY

REFER TO SHEET 41 FOR IRRIGATION NOTES

Underground Service Alert
Call: TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____
DATE: **MAY 1988**

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 856-0844 (714) 825-1082 (619) 346-5681

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS			
APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	<i>MB</i>	<i>2-23-89</i>	<i>Barry Best</i>
PARK DEPARTMENT	<i>MB</i>	<i>6-23-88</i>	DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION	<i>MB</i>	<i>3-22</i>	
CHIEF P.W. ENGR.	<i>MB</i>	<i>3-22</i>	DATE: <i>3/23/89</i>

CFD 86-1
IRRIGATION PLAN
VAN BUREN BLVD.
STA. 315 TO 322.8

PROJECT NO. R-2971
SHEET **40** OF 106
FILE NO. 8710058

INDEXED 12-9-92 4H

**IRRIGATION NOTES:
(CITY APPROVED INSTALLATION)**

- THIS DESIGN IS DIAGRAMMATIC. EQUIPMENT OTHER THAN HEADS AND PIPE SHOWN IN PAVED AND TURF AREAS IS FOR DESIGN CLARIFICATION ONLY, AND IS TO BE INSTALLED WITHIN PLANTER AREAS DESIGNATED.
- DO NOT WILLFULLY INSTALL THE SYSTEM AS DESIGNED WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT WERE NOT KNOWN AT THE TIME OF DESIGN. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY AND ALL NECESSARY REVISIONS.
- SYSTEM DESIGN IS BASED ON MINIMUM OPERATING PRESSURE SHOWN AT EACH POINT OF CONNECTION. MAXIMUM GPM DEMAND SPECIFIED. IRRIGATION CONTRACTOR SHALL VERIFY ALL PRESSURES ON SITE PRIOR TO CONSTRUCTION TO OWNER'S REPRESENTATIVE.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, CURBS, ETC. HE SHALL COORDINATE ALL HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR LOCATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADS, PAVING, AND STRUCTURES.
- MAIN LINE FEEDER BETWEEN POINT OF CONNECTION AND VACUUM BREAKER TO BE OF MATERIAL AS REQUIRED BY LOCAL CODE.
- 120 VOLT ELECTRICAL POWER JUNCTION BOX FOR AUTOMATIC CONTROLLER TO BE PROVIDED BY OTHERS. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELECTRICAL CONNECTION OF CONTROLLER TO THE JUNCTION BOX.
- FINAL LOCATIONS OF AUTOMATIC CONTROLLER ENCLOSURE AND THE BACKFLOW PREVENTION DEVICE SHALL BE APPROVED BY THE CITY'S AUTHORIZED REPRESENTATIVE, AND/OR LANDSCAPE ARCHITECT.
- WIRE FROM CONTROLLER TO REMOTE CONTROL VALVES SHALL BE COPPER UP #14 DIRECT BURIAL. USE RED FOR PILOT; WHITE FOR COMMON. INSTALL IN COMMON TRENCH WITH MAIN LINE PIPE AND WITH MINIMUM 18" COVER. USE #12 UF WIRE FOR LENGTHS IN EXCESS OF 2000 FT. PROVIDE ONE EXTRA PILOT WIRE TO FARTHEST VALVES IN ALL DIRECTIONS.
- IN ADDITION TO THE SLEEVES SHOWN ON THE PLAN, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL SLEEVES OF SUFFICIENT SIZE UNDER ALL PAVED AREAS PRIOR TO PAVING UPON APPROVAL OF THE OWNER'S REPRESENTATIVE, IF REQUIRED TO OPERATE SYSTEMS.
- PROVIDE A MINIMUM 18" COVER OVER ALL PRESSURE MAIN LINE PIPING AND 12" OVER ALL NON PRESSURE LATERAL LINE PIPING. ALL PIPE UNDER PAVED AREAS TO BE PVC SCH. 40 INSTALLED PRIOR TO PAVING. CALL FOR INSPECTION OF MAIN LINE INSTALLATION PRIOR TO BACKFILLING. PARK PROJECTS INSPECTOR SHALL APPROVE A HYDROSTATIC PRESSURE TEST OF 150 PSI FOR 4 HOURS. CENTER FILLING OF MAIN LINE PIPE IS ALLOWED.
- IRRIGATION CONTRACTOR SHALL FLUSH ALL LINES AND ADJUST ALL HEADS FOR MAXIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, STREETS, AND BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT EXISTING SITE CONDITIONS. CALL PARK PROJECTS INSPECTOR 48 HOURS IN ADVANCE FOR ALL COVERAGE TESTS. ADD ANTI-DRAIN VALVES TO ALL DOWN SLOPE HEADS.
- UPON COMPLETION OF JOB, PROVIDE OWNER WITH LANDSCAPE ARCHITECT APPROVED MYLAR REPRODUCIBLE SETS OF "AS BUILT DRAWINGS".
- THE IRRIGATION SYSTEM SHALL BE FULLY GUARANTEED FOR A PERIOD OF ONE YEAR. ANY DEFECTIVE MATERIAL OR POOR WORKMANSHIP SHALL BE REPLACED OR CORRECTED BY THE IRRIGATION CONTRACTOR AT NO COST TO THE OWNER. A COMPLETE VALVE SEQUENCE DIAGRAM WILL BE PROVIDED BY THE CONTRACTOR AND ATTACHED TO THE INSIDES OF THE CONTROLLERS. SAID DIAGRAMS WILL BE REDUCED AND MADE WATERPROOF FOR APPROVAL BY THE LANDSCAPE ARCHITECT.
- CLEAN-UP ON A DAILY BASIS.
- CONTRACTOR SHALL PERFORM A 360-DAY MAINTENANCE-WEED ABATEMENT SERVICE AS PART OF HIS CONTRACT. WEED ABATEMENT AND REPLACEMENT OF DAMAGED OR DESTROYED IRRIGATION, GRADES, PLANTING COVER, SHRUBS AND TREES SHALL REMAIN THE CONTRACTOR'S RESPONSIBILITY.
- REPLACEMENT OF DAMAGED OR DESTROYED ITEMS SHALL TAKE PLACE WITHIN 48 HOURS OF NOTIFICATION BY CITY, OR SAID REPLACEMENT ITEMS SHALL BE DEDUCTED FROM THE CONTRACTOR'S FINAL BILLING.

- REPLACEMENT ITEMS SHALL BE EXACT DUPLICATES OF ORIGINAL WORK OR PLANTS, UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT OR CITY'S REPRESENTATIVE.
- QUALITY CONTROL OBSERVATION SEQUENCES AREAS FOLLOWS (CALL 48 HOURS IN ADVANCE). NOTE CITY INSPECTION REQUIREMENTS FOLLOWING ITEM 19 BELOW:
 - TESTING OF MAIN LINE PRIOR TO BACKFILLING. CENTER FILLING OF M.L. IS APPROVED. (150 PSI FOR 4 HOURS)
 - COVERAGE TEST PRIOR TO PLANTING, BUT AFTER CONCRETE HAS BEEN PLACED.
 - PLANT DELIVERY APPROVAL INCLUDING LINERS.
 - PLANT PIT LOCATIONS, DEPTHS, & BACKFILL MIX.
 - COVERAGE TEST AFTER PLANTING PRIOR TO 360 DAY MAINTENANCE INCLUDING CONTROLLER SEQUENCING.
 - COVERAGE TEST AT END OF 360 DAY MAINTENANCE PERIOD INCLUDING CONTROLLER SEQUENCING.

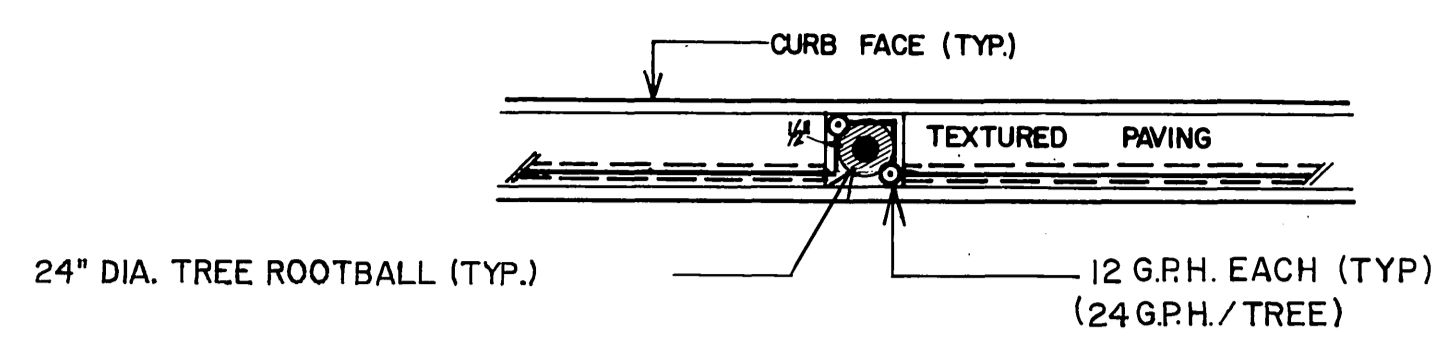
- NOTE:
- REFER TO SHEET 58 FOR GENERAL INSPECTION NOTES FOR CITY APPROVAL
 - ALL WIRES UNDER CONCRETE SHALL BE SLEEVED PER CITY OF RIVERSIDE PARK & RECREATION DEPARTMENT STANDARDS.
 - ALL PIPING UNDER CONCRETE SHALL BE SLEEVED PER CITY RIVERSIDE PARK & RECREATION DEPARTMENT STANDARDS.
- THE LANDSCAPE ARCHITECT OR CITY REPRESENTATIVE RESERVES THE RIGHT TO WAIVE, SHORTEN OR LENGTHEN EACH CONTROLLER STATION OPERATION.
- PROVIDE THE FOLLOWING EXTRA EQUIPMENT TO BE GIVEN TO THE PARK PROJECTS INSPECTOR FOR FINAL APPROVAL:
- SIX POP-UP BOMBS AND FOUR OF EACH TYPE OF NOZZLE DESIGNED.
 - TWO KEYS FOR CONTROLLER DOOR.
 - TWO KEYS FOR ENCLOSURE LOCK.
 - RAIN BIRD COUPLER KEYS WITH ATTACHED WIRE SHIELDS.
- SEE SPECIAL PROVISIONS

- LOW VOLTAGE WIRE INSTALLATIONS:
 - CONDUIT BELOW PAVING SHALL BE IN SCH. 40 PVC SLEEVES OF SUFFICIENT SIZE TO CARRY ALL PROPOSED WIRING. PROPOSED WIRING SHALL BE CONTAINED IN A SEPARATE SLEEVE, NOT WITHIN WATER PIPE SLEEVING.
 - ALL RCV SPLICE CONNECTIONS SHALL OCCUR IN A VALVE BOX. ALL WIRE RUNS BETWEEN REMOTE CONTROL VALVES AND CONTROLLER SHALL BE INSTALLED AS CONTINUOUS RUNS WITHOUT SPLICES.
 - ALL LOW VOLTAGE WIRE SPLICES SHALL BE INSTALLED AS SOLDERED CONNECTIONS, WRAPPED WITH A MINIMUM OF TWO (2) LAYERS OF ELECTRICAL TAPE AND SEALED WITH SCOTCH-COAT. (SNAP-TITE CONNECTORS ARE NOT ACCEPTABLE)
 - ALL RCV WIRE CONNECTIONS SHALL HAVE 36" PIG-TAILS. EACH BOX SHALL BE TAGGED WITH CHRISTY I.D. TAGS AT THEIR WIRE CONNECTIONS. EACH I.D. TAG SHALL BE COORDINATED WITH EACH CONTROLLER STATION NUMBER.

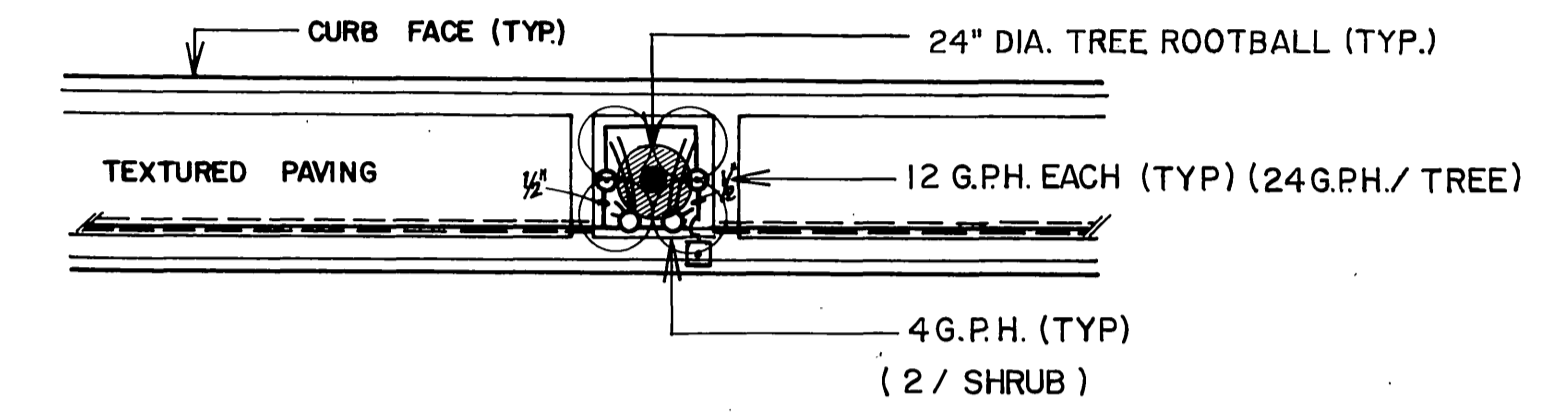
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 - ALL PIPING UNDER CONCRETE SHALL BE SLEEVED PER CITY RIVERSIDE PARK & RECREATION DEPARTMENT STANDARDS.

IRRIGATION LEGEND

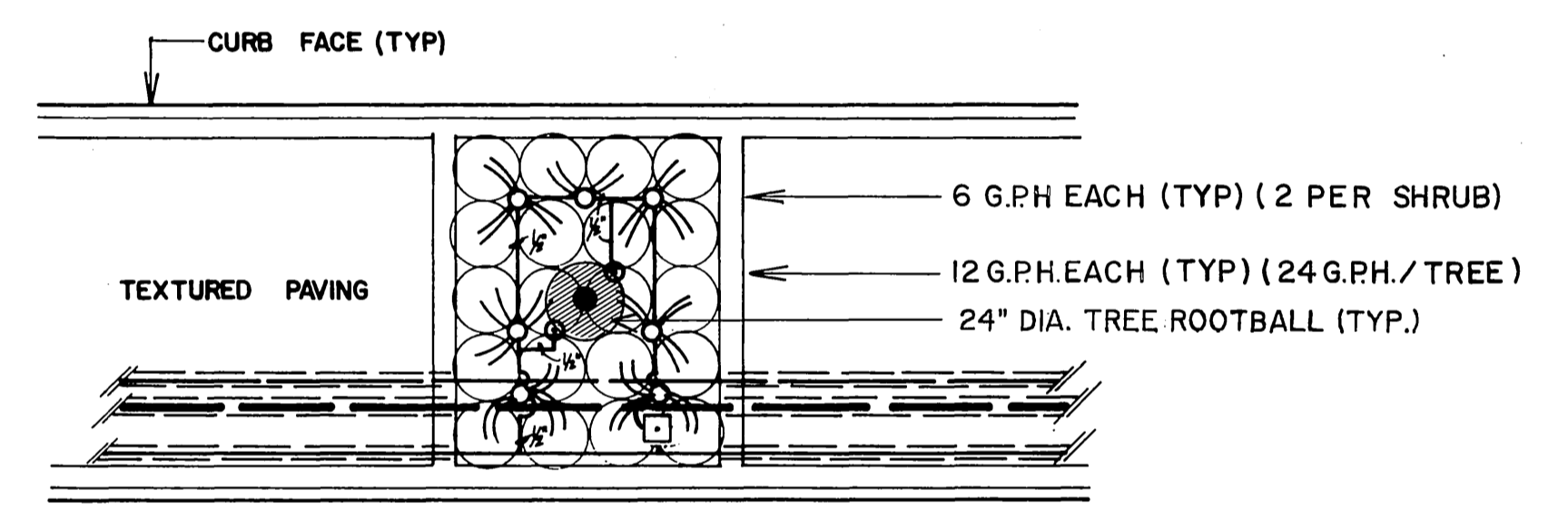
SYMBOL	MAKE	MODEL NO.	DESCRIPTION	P.S.I.	G.P.H.	DETAIL
	SALCO	PC6-1	PRESSURE COMPENSATED EMITTERS ONE PER THREE SHRUBS, OR LESS. EACH SHRUB TO RECEIVE 2 CT-125-PVC DISTRIBUTION TUBES WITH ONE DTS-20-400 PLASTIC TUBE STAKE AND ONE EOCV-125 EMITTER OUTLET CHECK VALVE ON EACH TUBE. ALL EMITTERS TO BE ENCASED IN A SALCO DAS-8 ACCESS SLEEVE.	45	6	B,C
	SALCO	PC6-2	PRESSURE COMPENSATED EMITTERS TWO PER EACH TREE. INSTALL WITHIN A 6" DIA. X 36" DEEP PERFORATED PIPE FILLED WITH AGGREGATE	45	12	E
	SALCO		BALL VALVE WITHIN A CHRISTY B3/B3TL CONCRETE VALVE BOX AND C.I. LOCKING LID. (FOR FLUSHING SYSTEM)			F
	RAIN BIRD	33LDC	QUICK COUPLER			D
	RAIN BIRD		PE SERIES REMOTE CONTROL VALVE (PLAN SIZED) WITH BRSS ANGLE CONTROL VALVE AND SALCO DYSFC PVC WYE STRAINER, BALL FLUSH VALVE AND PRESSURE GAUGE, ALL WITHIN A CHRISTY CONCRETE B3/B3TL B36 VALVE BOX WITH METAL NON-HINGED LOCKING LID.			A
	STOCKHAM		150LB CLASS G.V. LINE SIZED G5 VANDAL PROOF BOX WITH C.I. LOCKING LID.			H
	STOCKHAM		150LB CLASS G.V. LINE SIZED G5 VANDAL PROOF BOX WITH C.I. LOCKING LID. "FUTURE STUB OUT"			G
	FEBCO	825Y	1/2" REDUCED PRESSURE/DOUBLE CHECK BACK FLOW DEVICE AT P.O.C.S BY W.M.W.D. AT DEVELOPER EXPENSE			I
			1/2" DOMESTIC WATER METER BY W.M.W.D. AT DEVELOPER EXPENSE			J
	RAIN BIRD		R C CONTROLLER (PLAN SIZED) WALL MOUNTED WITH A LE MEUR PEDESTAL MOUNTED ENCLOSURE REFER TO BEIGE FINISH ON PLAN			M,N
			APPROVED CLASS 200 PVC LATERAL LINES			J,L
			APPROVED SCH. 40 MAIN LINES TO 1/2" DIA., 2" DIA. AND ABOVE SHALL BE CL. 315 PVC			J,L
			APPROVED SCH. 40 PVC SLEEVING			K,L
			CONSTANT-FLOW PUMP MODEL NO. 80 BP 7094-50-DEF. CH. CITY TO PROVIDE 230 VOLT, SINGLE PHASE POWER SOURCE TO SITE PER CITY CODE.			O
			VALVE STATION NUMBER GALLONS PER MINUTE / REGULATING MODE GALLONS PER HOUR / GPM: FLUSHING MODE VALVE SIZE			



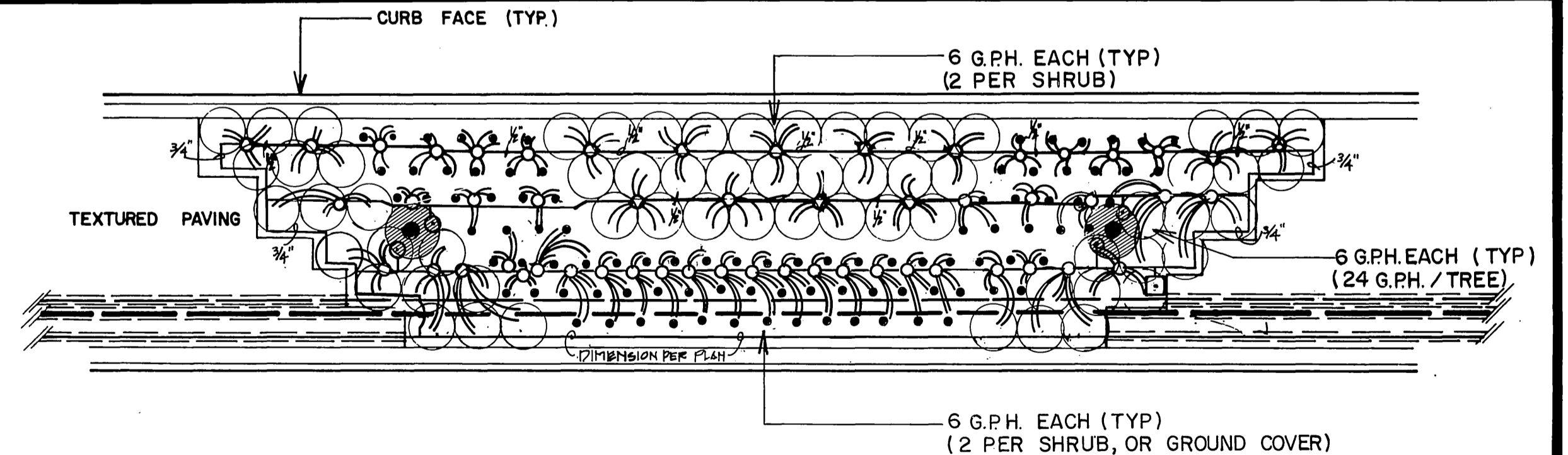
4 3' X 3' NOSE TREE PLANTER BLOW-UP (TYP.) TOTAL G.P.H. = 24
SCALE: 1/8" = 1'-0" (FLUSHING MODE: 184)



3 5' X 5' PLANTER BLOW-UP (TYP.) TOTAL G.P.H. = 32
SCALE: 1/8" = 1'-0" (FLUSHING MODE: 112)



2 12' X 15' PLANTER BLOW-UP (TYP.) TOTAL G.P.H. = 64
SCALE: 1/8" = 1'-0" (FLUSHING MODE: 224)



1 STEPPED PLANTER BLOW-UP (TYP.) TOTAL G.P.H. = 366
SCALE: 1/8" = 1'-0" (FLUSHING MODE: 1281)

AS BUILT
APPROVED BY: _____
DATE: _____

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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J. F. DAVIDSON
REGISTERED LANDSCAPE ARCHITECT
No. 2661
Exp. 12-31-20
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE: _____ DATE: _____
APPROVED BY: _____

J. F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 886-0844 (714) 825-1082 (619) 346-5691

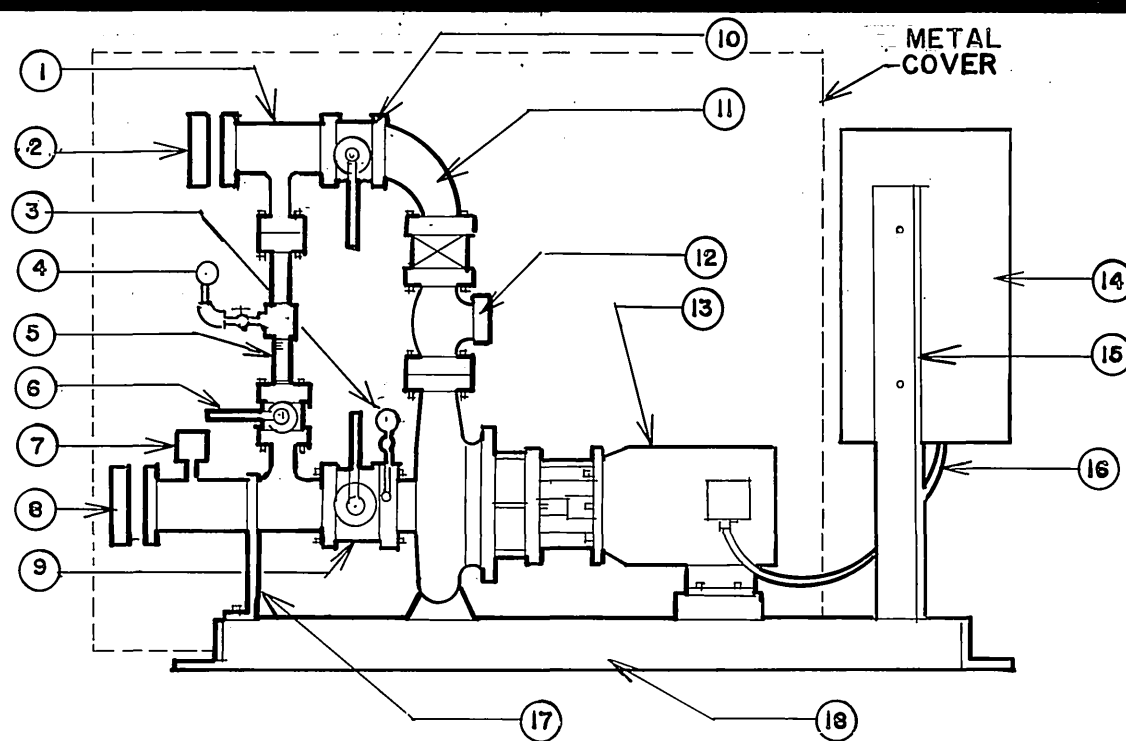
SEE PLAN
BENCH MARK:
DATE **MAY 1988**

AS-BUILT
MARK REVISIONS APPR. DATE
DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____

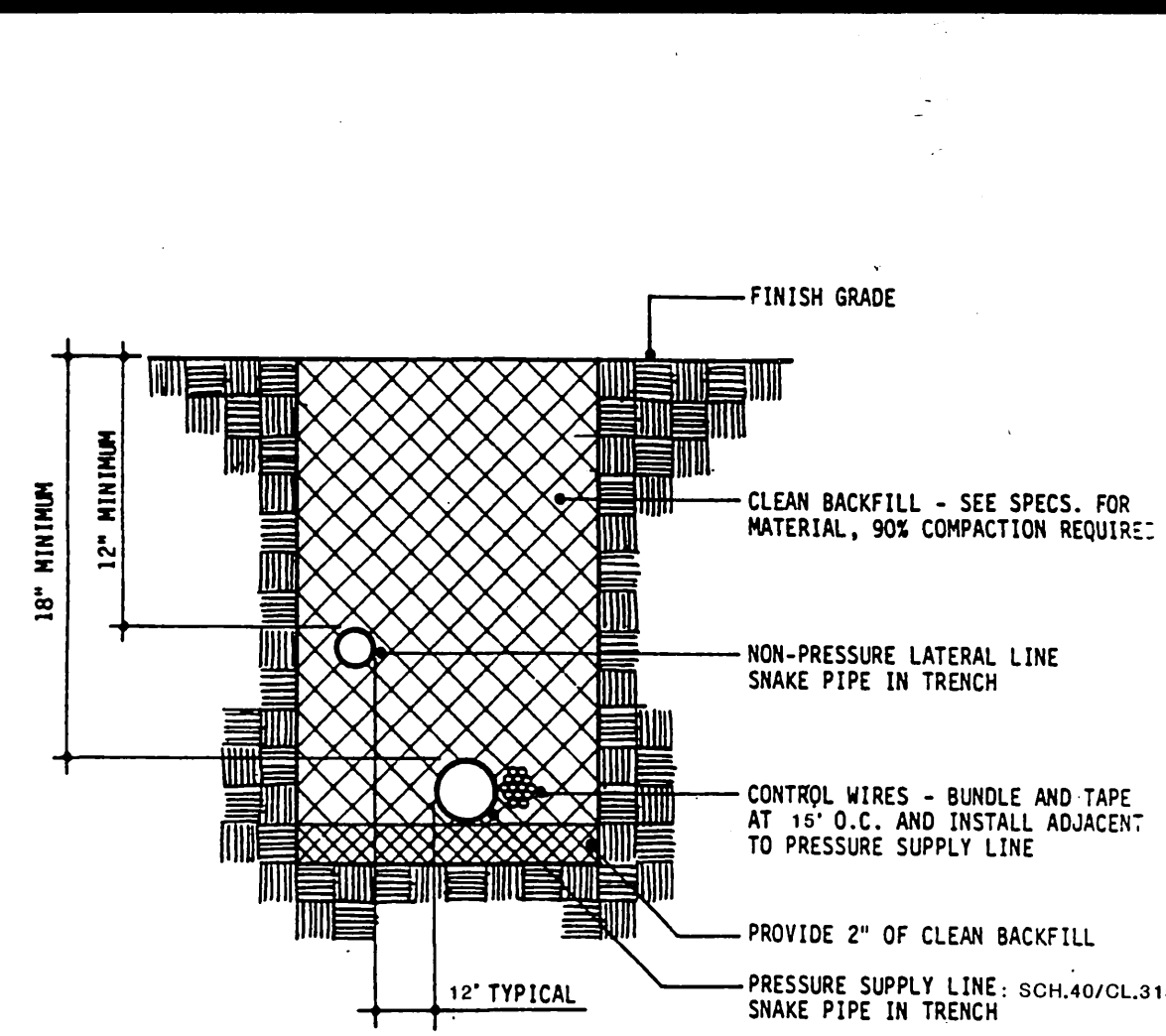
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____
PRINCIPAL ENGINEER: _____
PARK DEPARTMENT: _____
TRAFFIC DIVISION: _____
CHIEF P. W. ENGR.: _____
DATE: **3/23/89**

CFD 86-1
IRRIGATION ENLARGED PLAN NOTES

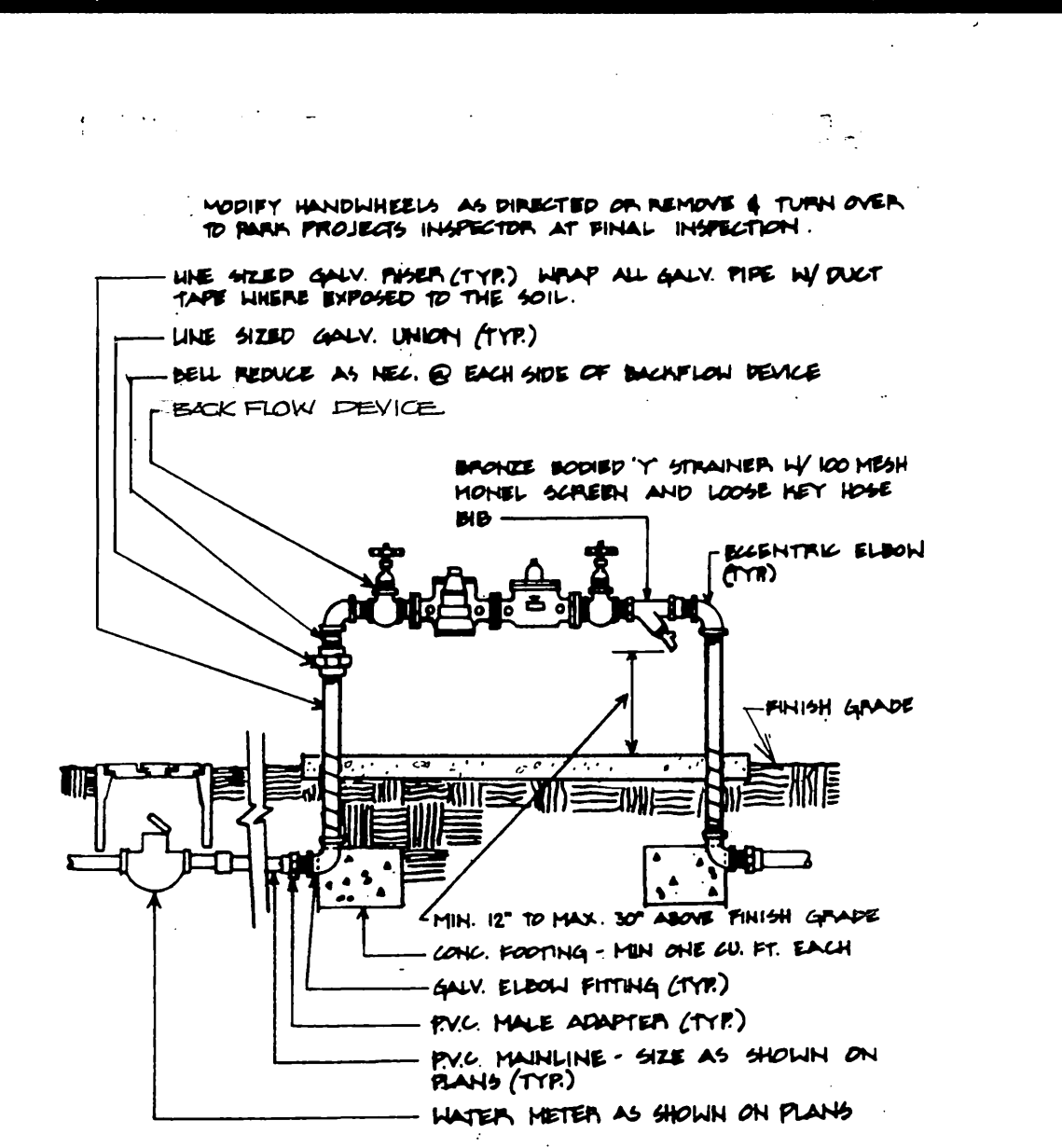
PROJECT NO. **R-2971**
SHEET **41** OF **106**
FILE NO. **8710058**



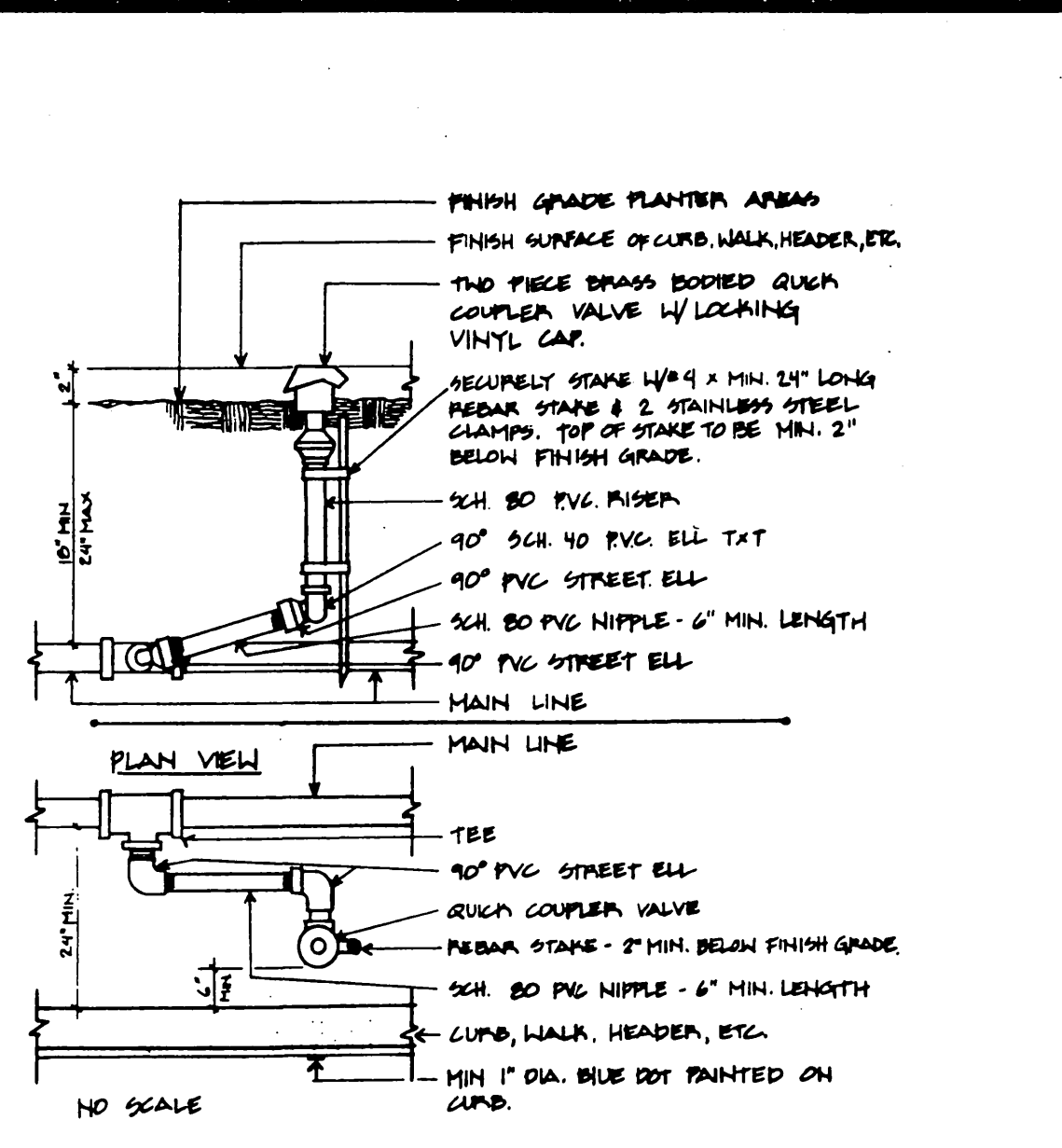
- LEGEND:**
- DISCHARGE FLANGED TEE
 - CHAMPION FLANGE
 - PRESSURE GAUGE
 - PRESSURE GAUGE
 - BYPASS
 - BUTTERFLY VALVE
 - FLOW SWITCH TO BE INSTALLED IN SECTION HEADER WIRED TO PUMP PANEL
 - COMPANION FLANGE
 - BUTTERFLY VALVE
 - BUTTERFLY VALVE
 - FLANGED 90° COMBINATION PRESSURE REGULATING AND NON-SLAM CHECK VALVE
 - PUMP AND MOTOR
 - CONTROLLER SINGLE PHASE 230 VOLT - COLOR BEIGE (SAME AS CONTROLLER)
 - CONTROLLER SUPPORT
 - SEALITE CONDUIT
 - SUPPORT LEG
 - GALVANIZED STEEL SKID, WITH 4-9/16" HOLES
- PREPARED PUMP PACKAGE**
SEE SPECIFICATIONS FOR OPTIONS



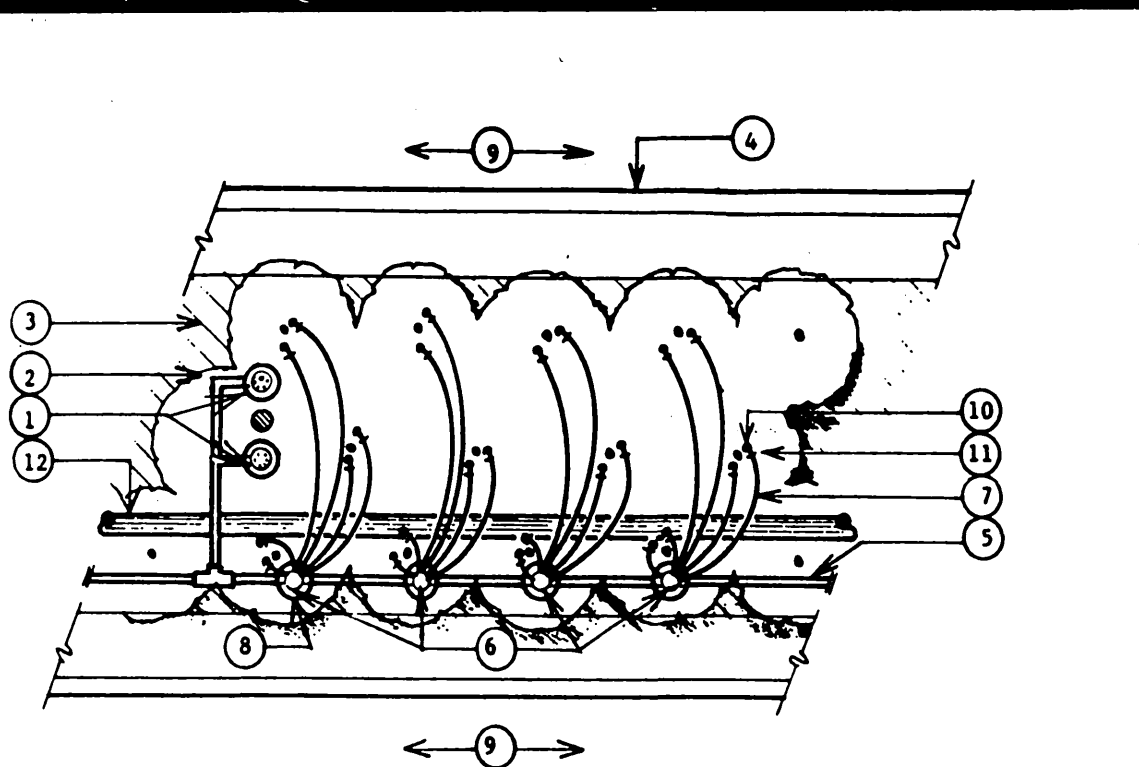
- TYPICAL TRENCHING**
- NOTE:
1. PITTAIL AND LOOP CONTROL WIRE AT ALL 90° CHANGES IN DIRECTION.



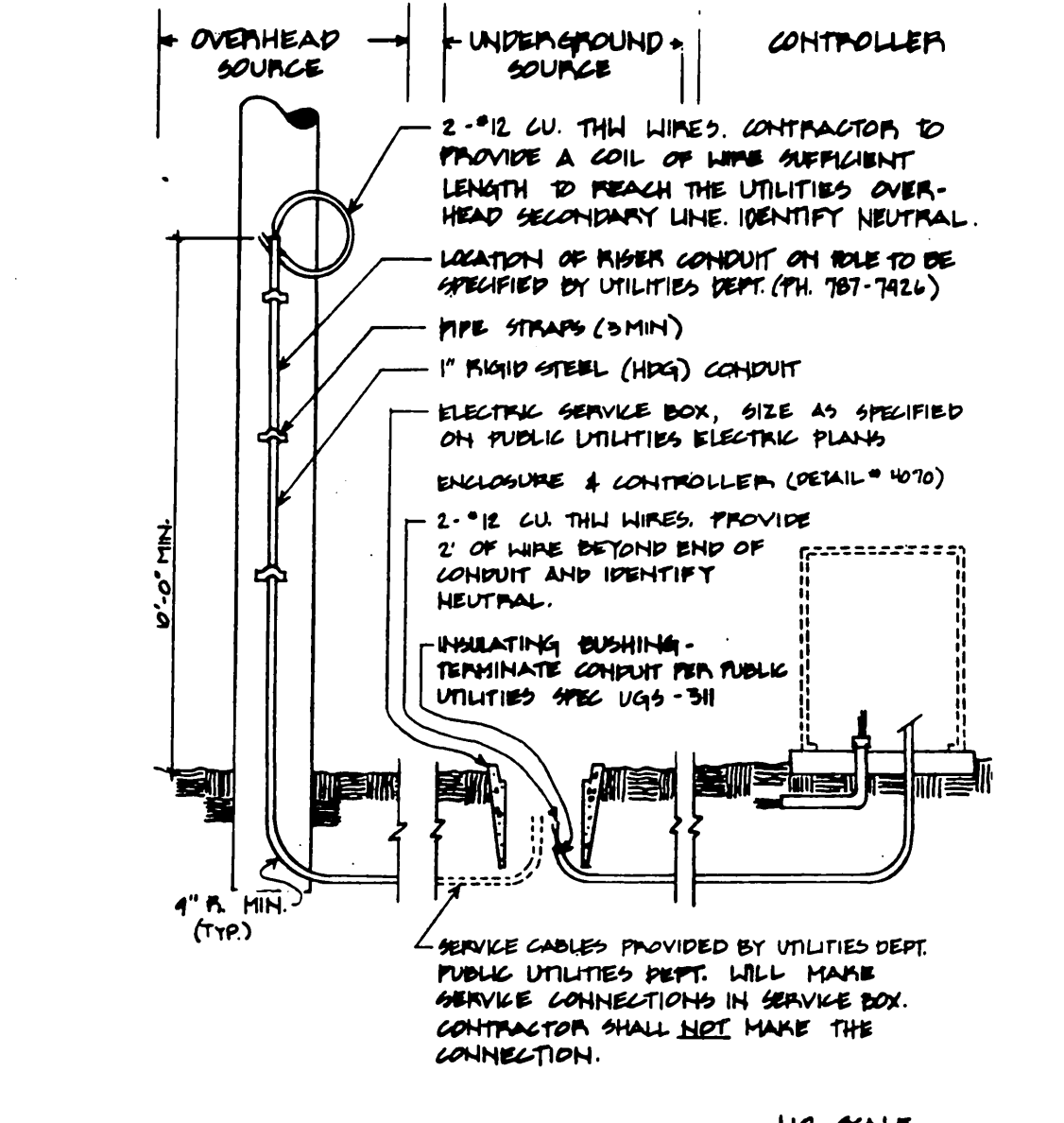
- BACK-FLOW DEVICE BY W.M.W.D**
AT DEVELOPER EXPENSE DETAIL NO. 4011



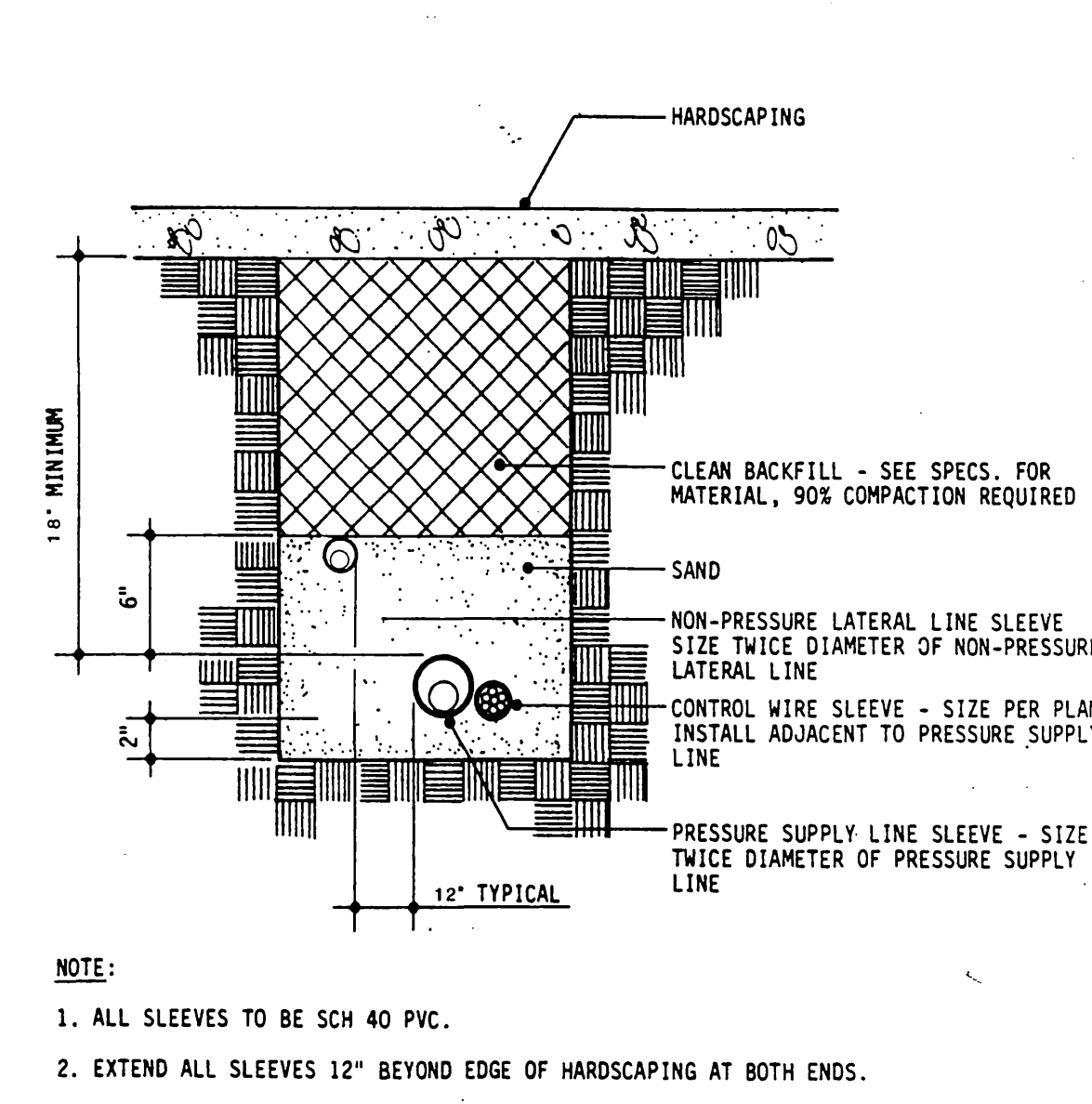
- QUICK COUPLER**
DETAIL NO. 4050



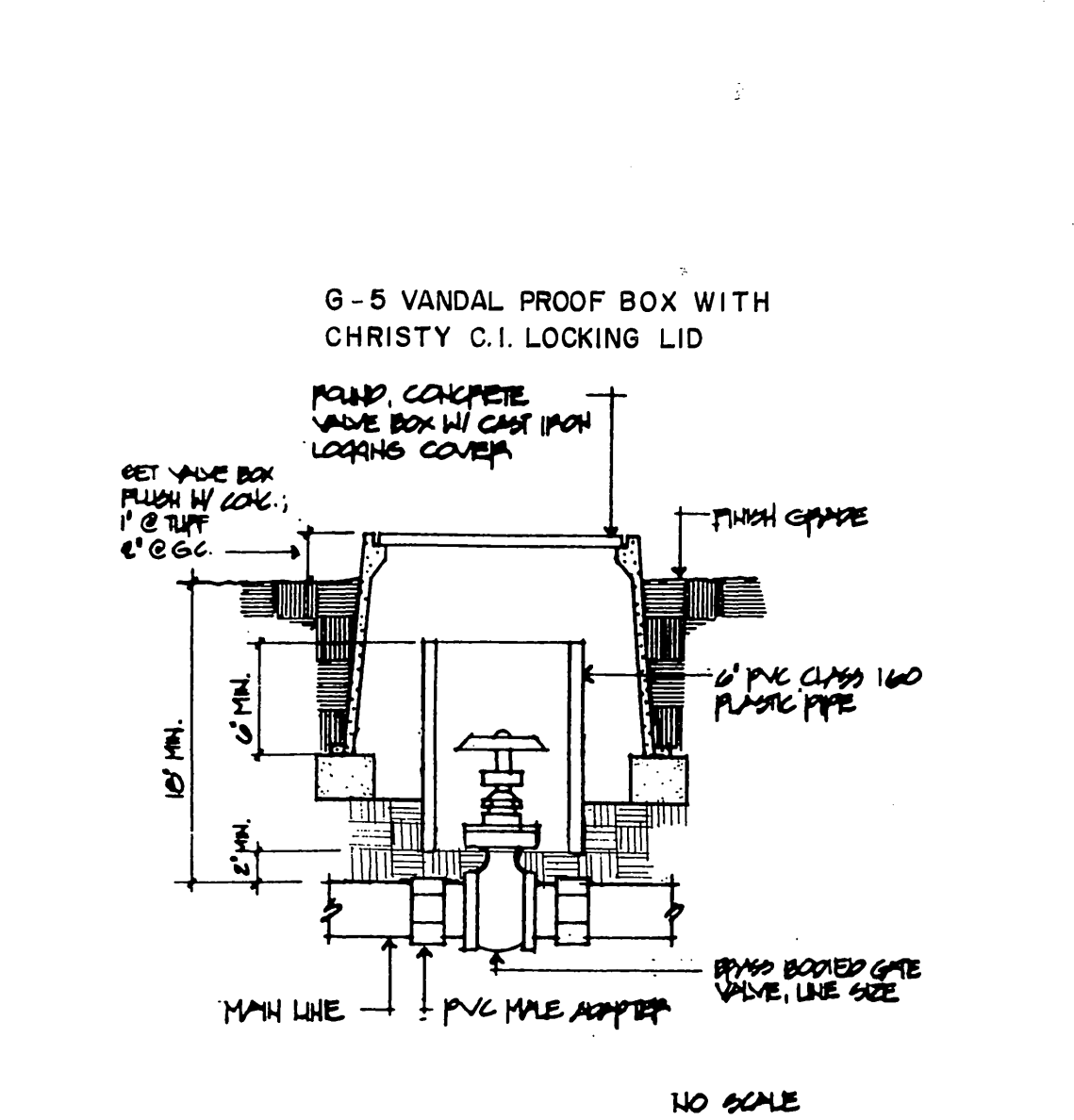
- SHRUB AND TREE WELL EMITTER INSTALLATION**
N.T.S.
- TREE WELL EMITTER - 24" FROM TRUNK - REFER TO DETAIL NO. E
 - SHRUBS @ 36" ON CENTER
 - 2" THICK CHIPPER MULCH COVER
 - CONCRETE CURB
 - CLASS 200 PVC LATERAL LINE (12" MIN. COVER)
 - EMITTER OUTLET; SALCO PC6-1 (6 OUTLETS @ 1 GPH EACH) - 2 PER SHRUB
 - DISTRIBUTION TUBING; SALCO CT-125-PLATE UNDER MULCH BUT ON FINISH GRADE. TWO PER SHRUB (5 FT. MAX LENGTH ONLY)
 - ACCESS SLEEVE
 - A.C. PAVING
 - SALCO EOCY-125 EMITTER OUTLET CHECK VALVE
 - SALCO DTS-20-400 PLASTIC TUBE STAKE
 - MAINLINE - REFER TO TRENCHING DETAILS (18" MIN. COVER)



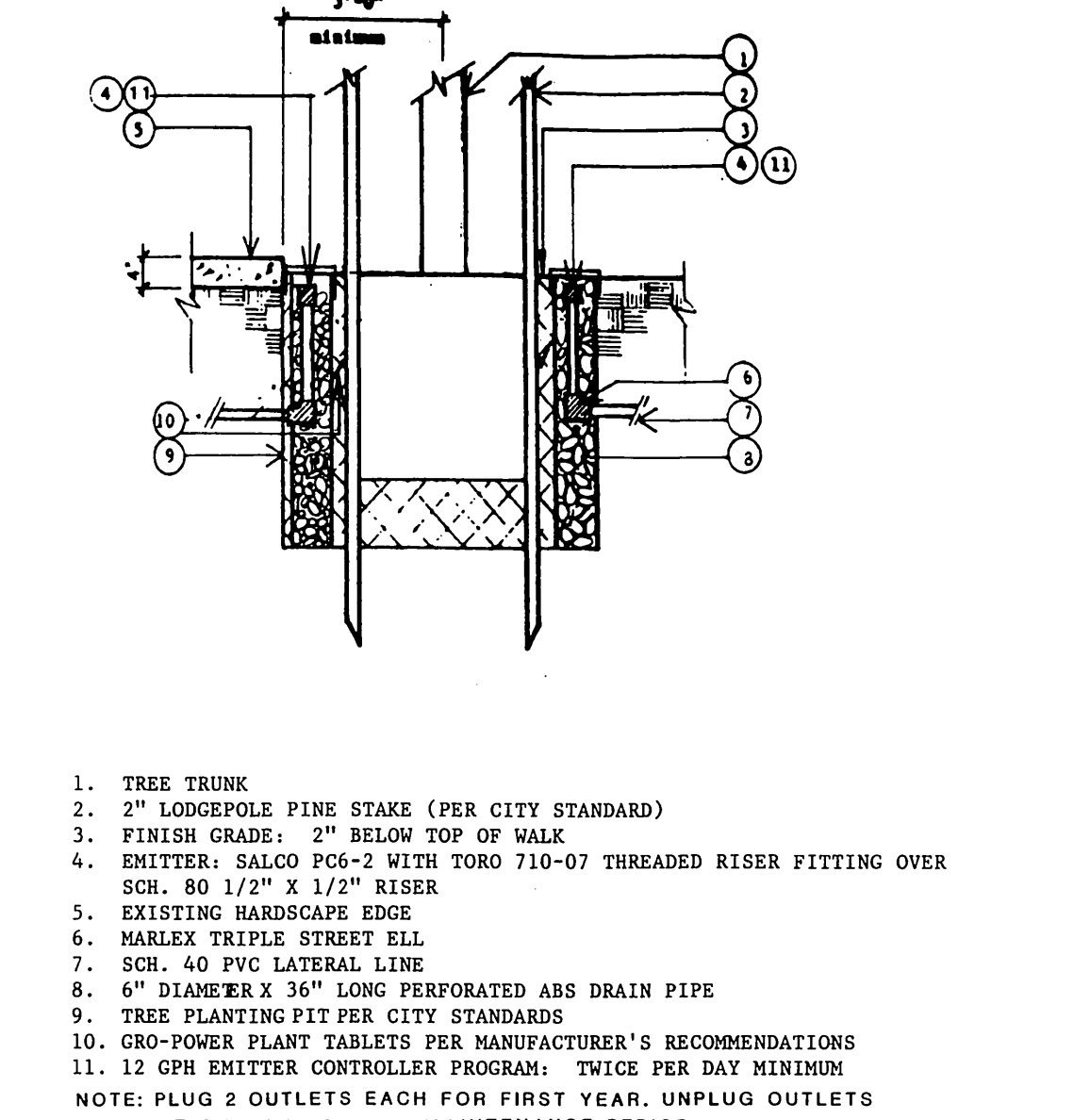
- UTILITY SERVICE**
DETAIL NO. 4060



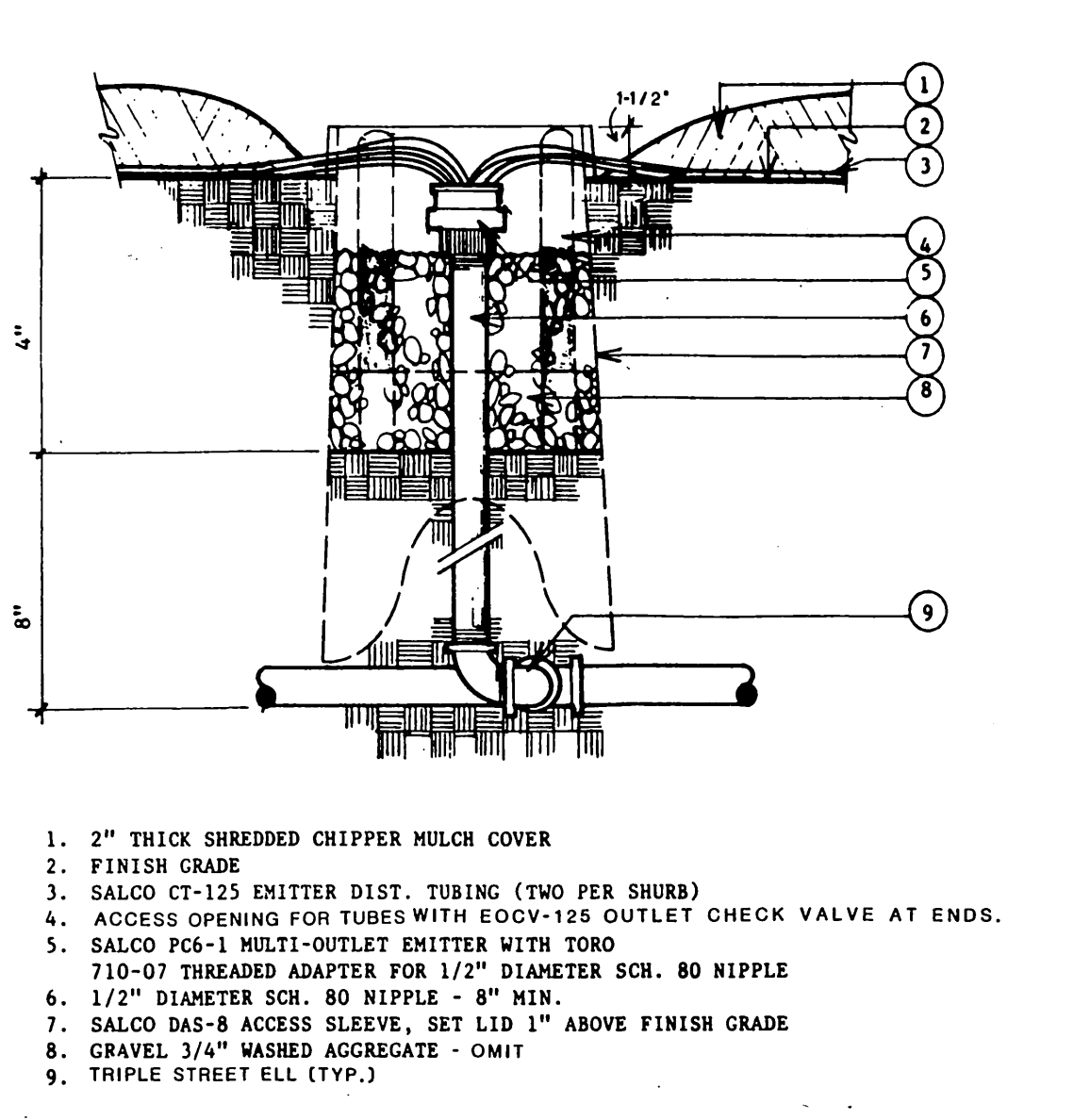
- TYPICAL SLEEVING**
- NOTE:
1. ALL SLEEVES TO BE SCH 40 PVC.
2. EXTEND ALL SLEEVES 12" BEYOND EDGE OF HARDSCAPING AT BOTH ENDS.



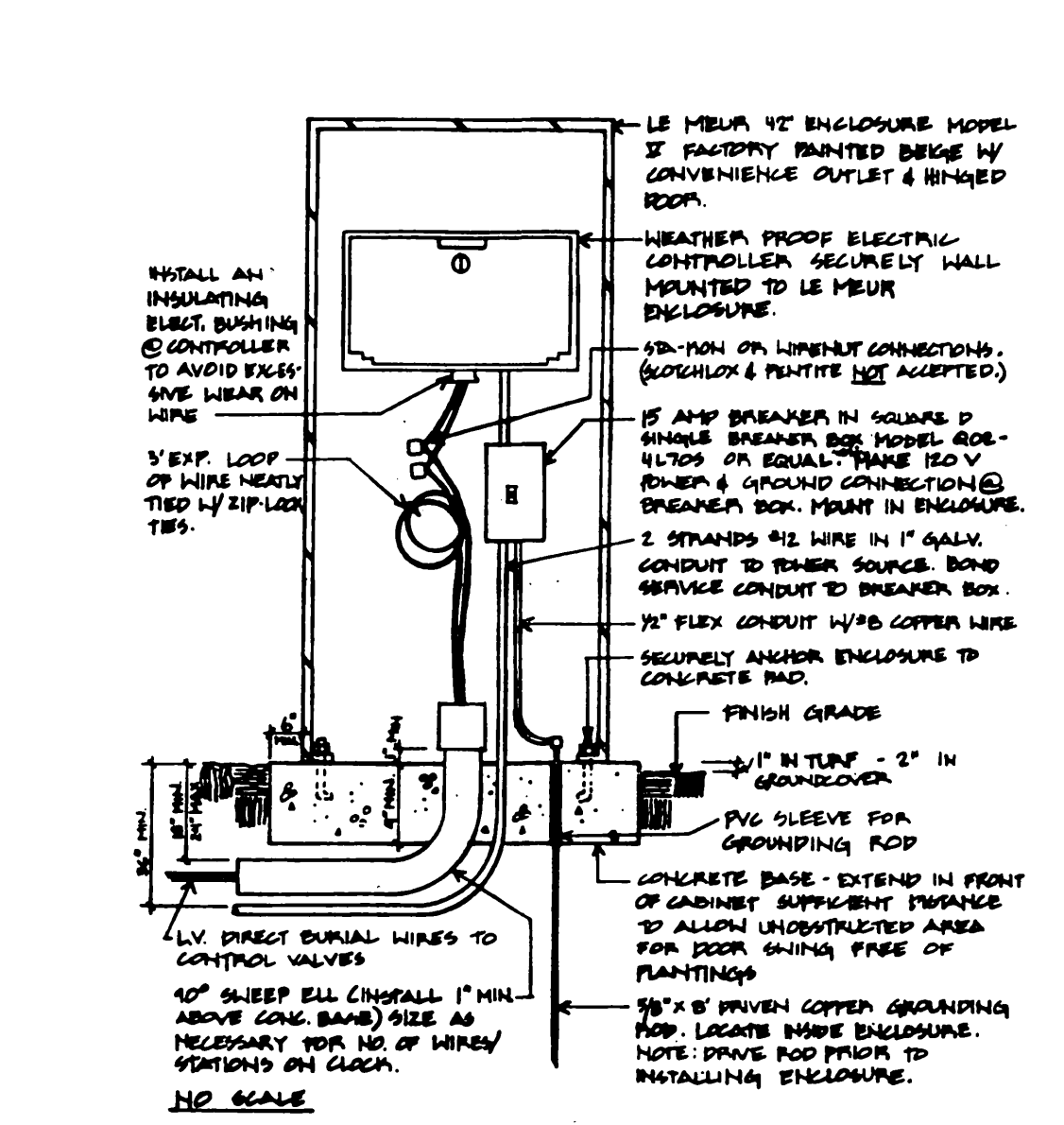
- GATE VALVE**
DETAIL NO. 402



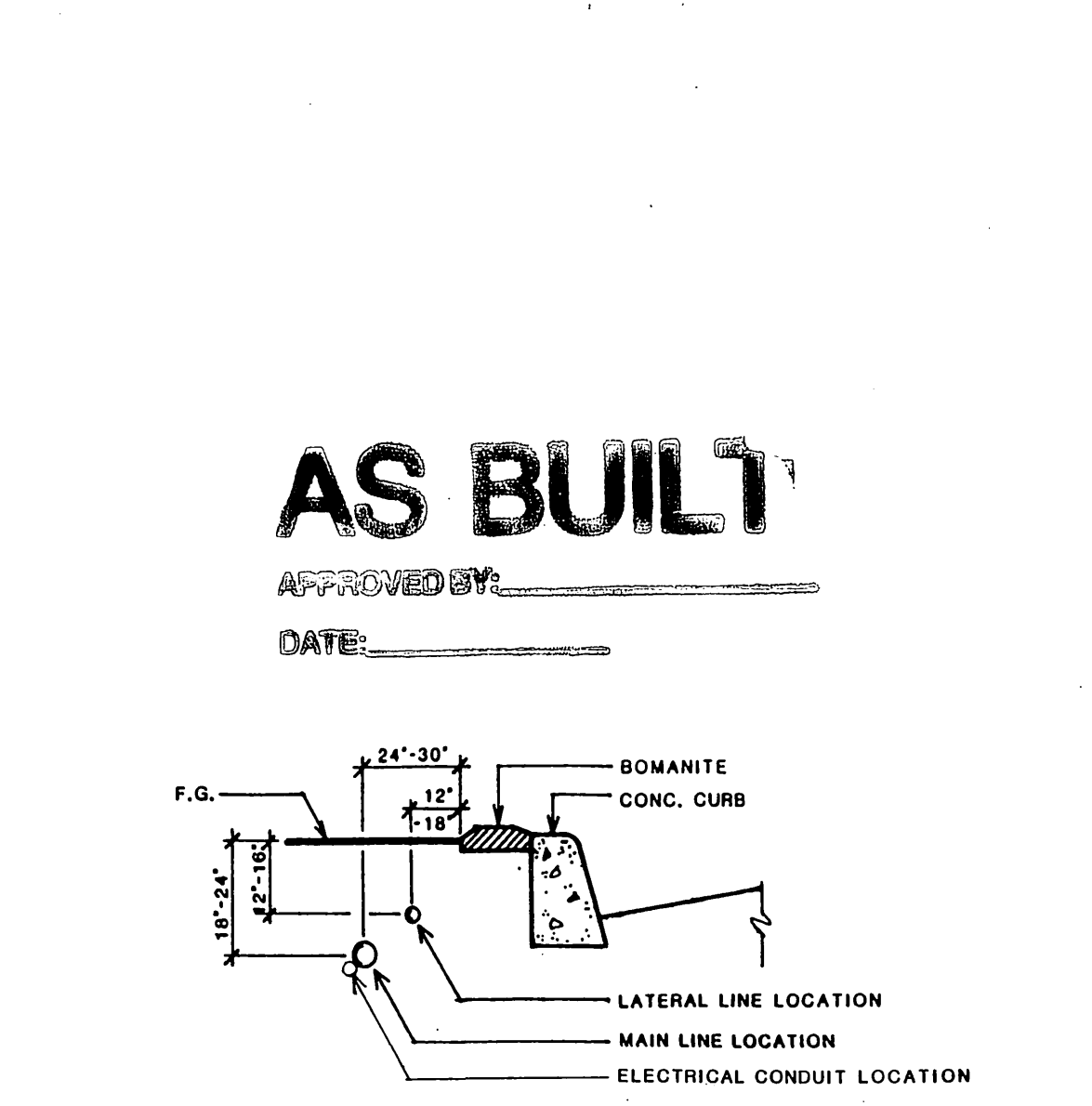
- STREET TREE WELL EMITTER**
- TREE TRUNK
 - 2" LODGEPOLE PINE STAKE (PER CITY STANDARD)
 - FINISH GRADE - 2" BELOW TOP OF WALK
 - EMITTER; SALCO POC-2 WITH TORO 710-07 THREADED RISER FITTING OVER SCH. 80 1/2" X 1/2" RISER
 - EXISTING HARDSCAPE EDGE
 - MARLEX TRIPLE STREET ELL
 - SCH. 40 PVC LATERAL LINE
 - 6" DIAMETER X 36" LONG PERFORATED ABS DRAIN PIPE
 - TREE PLANTING PIT PER CITY STANDARDS
 - GRO-POWER PLANT TABLETS PER MANUFACTURER'S RECOMMENDATIONS
 - 12 GPH EMITTER CONTROLLER PROGRAM; TWICE PER DAY MINIMUM
- NOTE: PLUG 2 OUTLETS EACH FOR FIRST YEAR. UNPLUG OUTLETS AT END OF 360 DAY MAINTENANCE PERIOD.



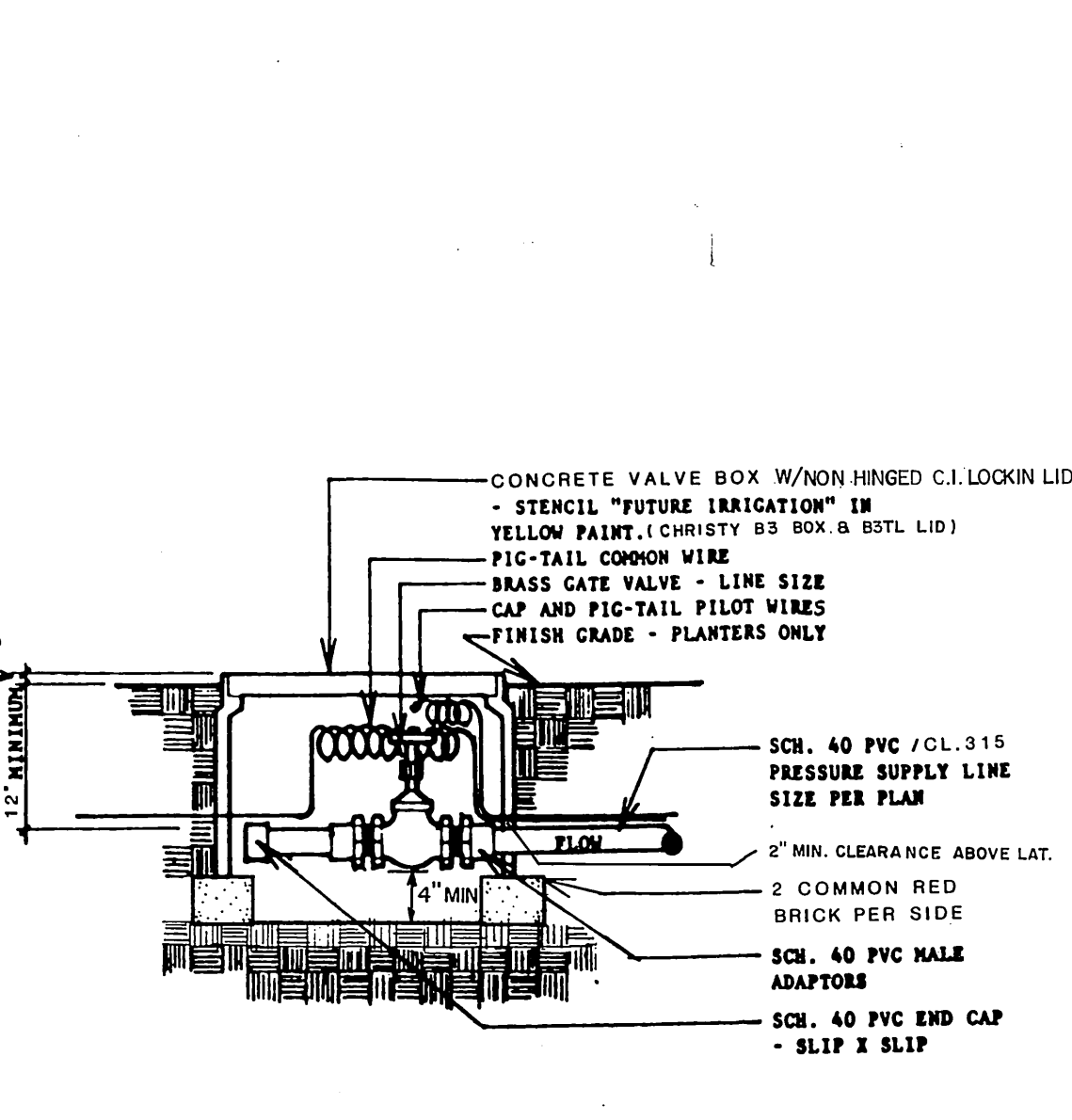
- SALCO PC6-1 EMITTER WITH ACCESS SLEEVE**
N.T.S.
- 2" THICK SHREDDED CHIPPER MULCH COVER
 - FINISH GRADE
 - SALCO CT-125 EMITTER DIST. TUBING (TWO PER SHRUB)
 - ACCESS OPENING FOR TUBES WITH EOCV-125 OUTLET CHECK VALVE AT ENDS.
 - SALCO PC6-1 MULTI-OUTLET EMITTER WITH TORO 710-07 THREADED ADAPTER FOR 1/2" DIAMETER SCH. 80 NIPPLE
 - 1/2" DIAMETER SCH. 80 NIPPLE - 8" MIN. LENGTH
 - SALCO DAS-8 ACCESS SLEEVE, SET LID 1" ABOVE FINISH GRADE
 - GRAVEL 3/4" WASHED AGGREGATE - OMIT
 - TRIPLE STREET ELL (TYP.)



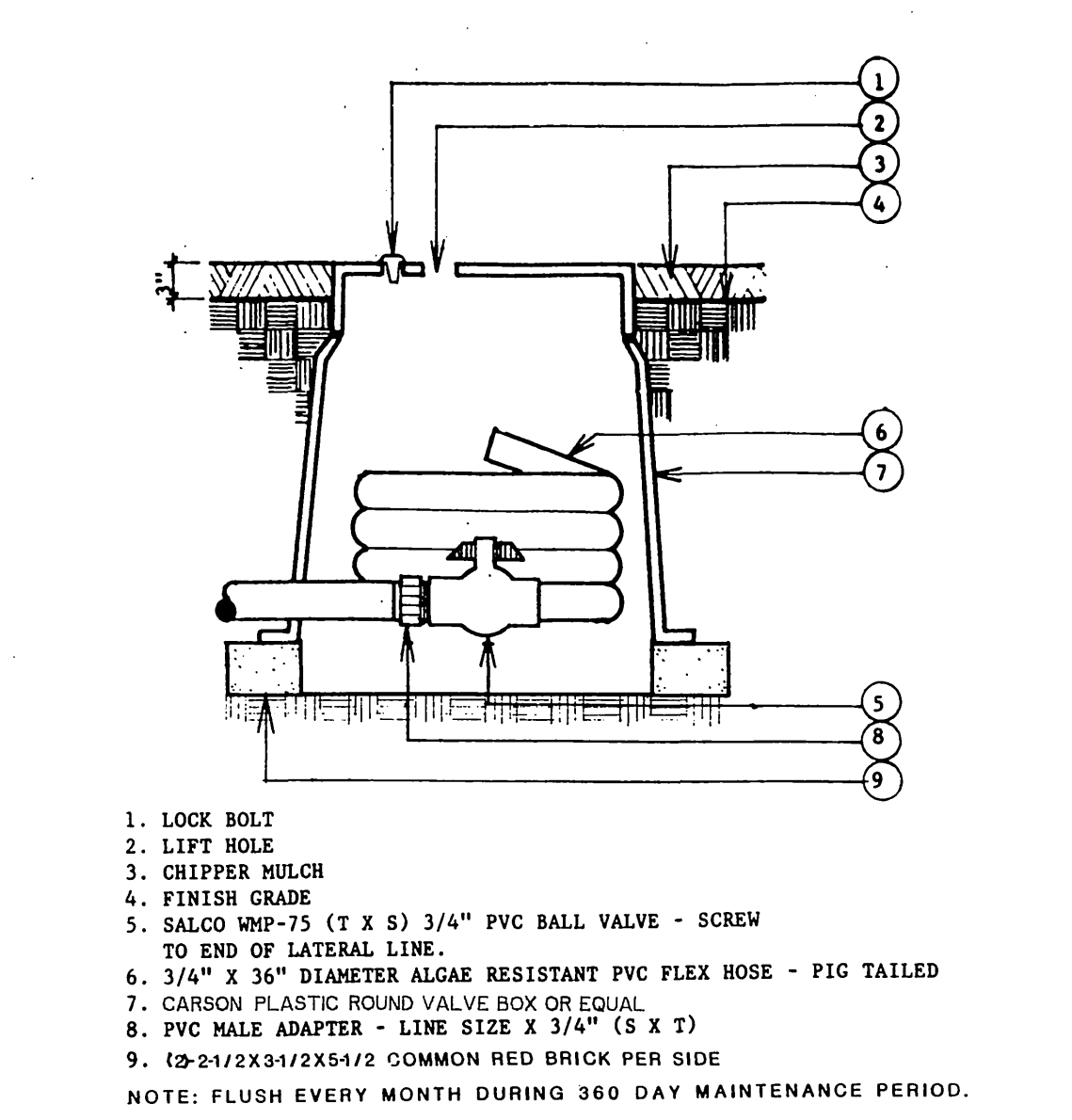
- CONTROLLER**
DETAIL NO. 4070



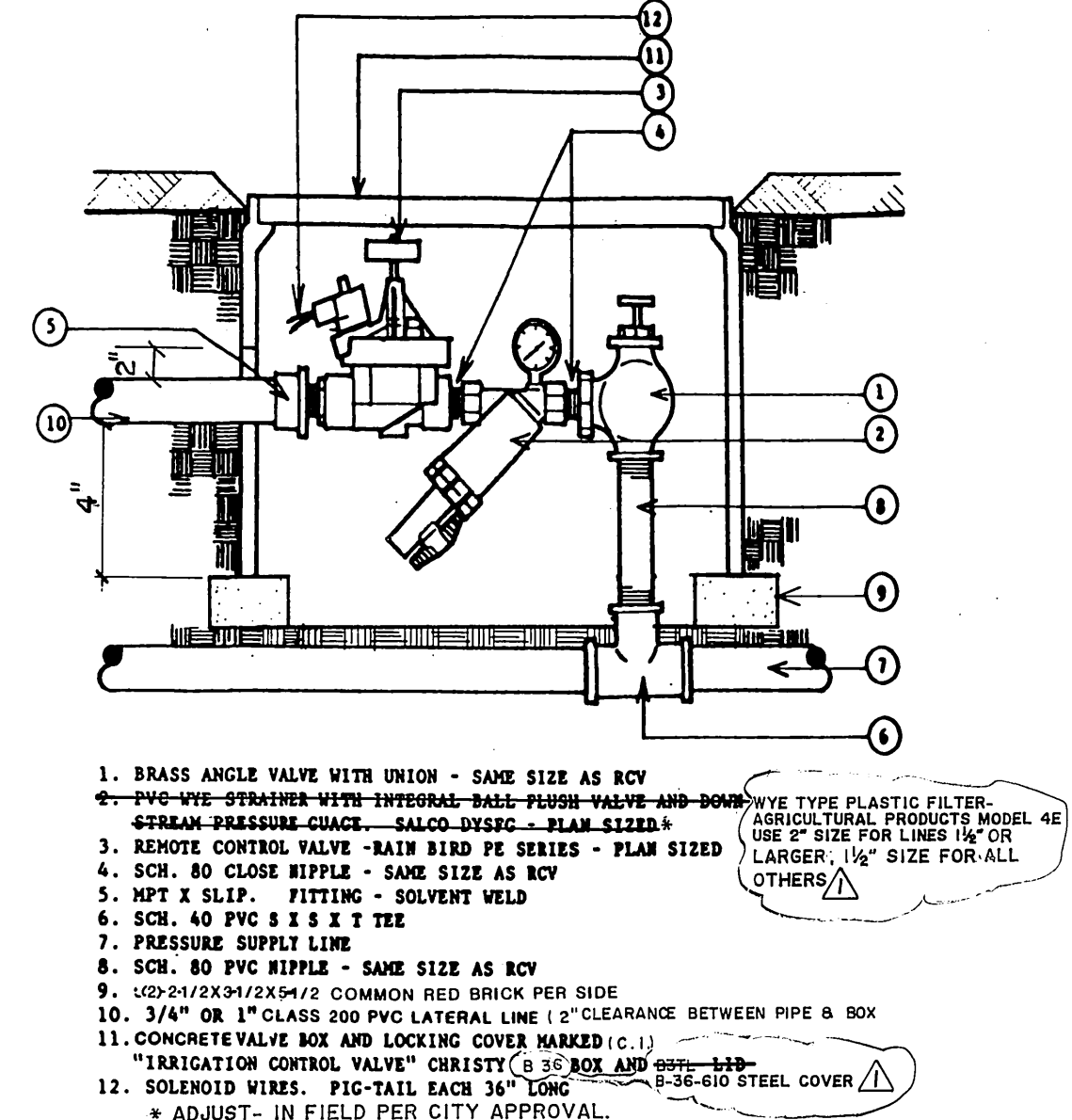
- MAIN LINE/LATERAL LINE LOCATIONS**
N.T.S.



- TYPICAL STUB-OUT FOR RCV CONNECTIONS**



- BALL VALVE FOR EMITTER FLUSH BOX**
- LOCK BOLT
 - LIFT HOLE
 - CHIPPER MULCH
 - FINISH GRADE
 - SALCO POC-2 WITH TORO 710-07 THREADED RISER FITTING OVER SCH. 80 1/2" X 1/2" RISER
 - 6" DIAMETER X 36" LONG PERFORATED ABS DRAIN PIPE
 - TREE PLANTING PIT PER CITY STANDARDS
 - GRO-POWER PLANT TABLETS PER MANUFACTURER'S RECOMMENDATIONS
 - 12 GPH EMITTER CONTROLLER PROGRAM; TWICE PER DAY MINIMUM
- NOTE: FLUSH EVERY MONTH DURING 360 DAY MAINTENANCE PERIOD.



- REMOTE CONTROL VALVE FOR DRIP IRRIGATION**
- BRASS ANGLE VALVE WITH UNION - SAME SIZE AS RCV
 - PVC VALVE - 1/2" DIA. WITH INTEGRAL-BASE-FLUSH VALVE AND DOUBLE-VEE TYPE PLASTIC FILTER - STRAIN-BRASS-SCREEN - SALCO-DESIG. - PLAIN-SLEEVE - 1/2" DIA. (USE 1/2" SIZE FOR LINES 1/2" OR LARGER - 1/4" SIZE FOR ALL OTHERS)
 - REMOTE CONTROL VALVE - BALL BEED PER SERIES - PLAN SIZED
 - SCH. 40 PVC 1/2" X 1/2" TEE
 - NPT X SLIP, FITTING - SOLVENT WELD
 - SCH. 40 PVC 1/2" X 1/2" TEE
 - PRESSURE SUPPLY LINE
 - SCH. 80 PVC NIPPLE - SAME SIZE AS RCV
 - 2" X 1/2" X 1/2" COMMON RED BRICK PER SIDE
 - 3/4" OR 1" CLASS 200 PVC LATERAL LINE (3" CLEARANCE BETWEEN PIPE & BOX)
 - CONCRETE VALVE BOX AND LOCKING COVER MARKED (C.I.)
 - "TRAFFIC CONTROL VALVE" CHRISTY (C.I. BOX AND 3/4" DIA. 3/4" DIA. STEEL COVER)
 - SOLENOID WIRE - PIG-TAIL EACH 36" LONG
 - ADJUST - IN FIELD PER CITY APPROVAL.

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PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE: _____ DATE: _____

APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 RIVERSIDE, CA 92502 (714) 686-0844
11200 SO. MT. VERNON AVE. #D COLTON, CA 92324 (714) 825-1082
73-080 EL PASO, #103 PALM DESERT, CA 92260 (619) 346-5681

AS SHOWN
DATE: MAY 1988

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ DATE: _____
PRINCIPAL ENGINEER: _____
PARK DEPARTMENT: _____
TRAFFIC DIVISION: _____
CHIEF P.W. ENGR: _____

APPROVED BY: *Barry Beed* DATE: 3/23/89
DIRECTOR OF PUBLIC WORKS

DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____

CFD 86-1
IRRIGATION DETAILS

PROJECT NO. R-2971
SHEET 42 OF 106
FILE NO. 8710058

HORIZ. SCALE: 1" VERT. SCALE: 1"

INDEXED 12-9-92 Lft

12-2445

TRAUTWEIN ROAD

ISLAND CONSTRUCTION

THIS SHEET

BEGINNING OF MEDIAN

MATCH LINE

N.I.C.

N.I.C.

N.I.C.

254

248

249

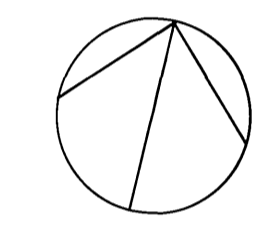
250

251

252

253

VAN BUREN BOULEVARD



THIS SHEET

MATCH LINE

N.I.C.

N.I.C.

254

255

256

VAN BUREN BOULEVARD

ISLAND CONSTRUCTION

END OF MEDIAN

AS BUILT

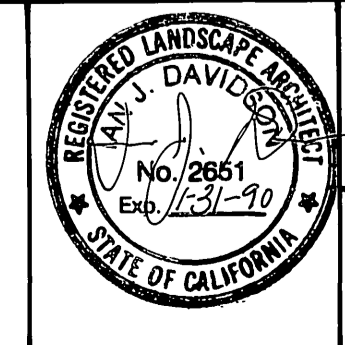
APPROVED BY: _____
DATE: _____

NOTE: FUTURE CONSTRUCTION-
FOR REFERENCE ONLY

REFER TO SHEET 58 FOR PLANTING NOTES

Underground Service Alert
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1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 886-0844 (714) 825-1082 (619) 346-5691

JFD ASSOCIATES

1" = 20'-0"
DATE: **MAY 1988**

MARK	REVISIONS	APPR.	DATE

DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	<i>[Signature]</i>	12-23-87	APPROVED BY
PARK DEPARTMENT	<i>[Signature]</i>	1-3-78	DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION	<i>[Signature]</i>	3-22-89	
CHIEF P. W. ENGR.	<i>[Signature]</i>	3-22-89	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

CFD 86-1

CONSTRUCTION/PLANTING PLAN

VAN BUREN BLVD.
STA. 248 TO 256.15

PROJECT NO. R-2971
SHEET **43** OF 106
FILE NO. 8710058

HORIZ. SCALE: 1" = 20'-0"
VERT. SCALE: 1" = 2'-0"

INDEXED 12-9-92 Lh

PC 244-5

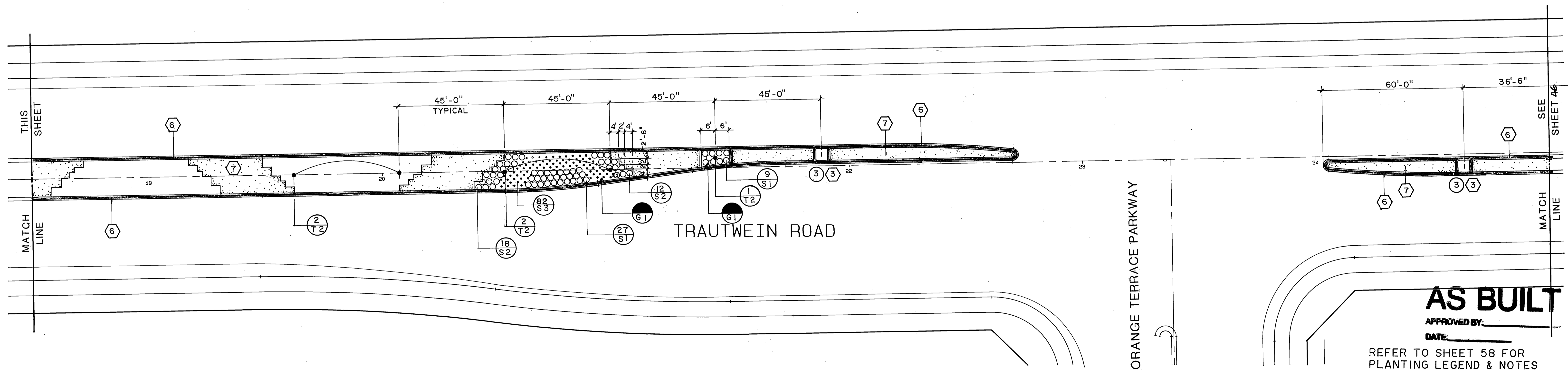
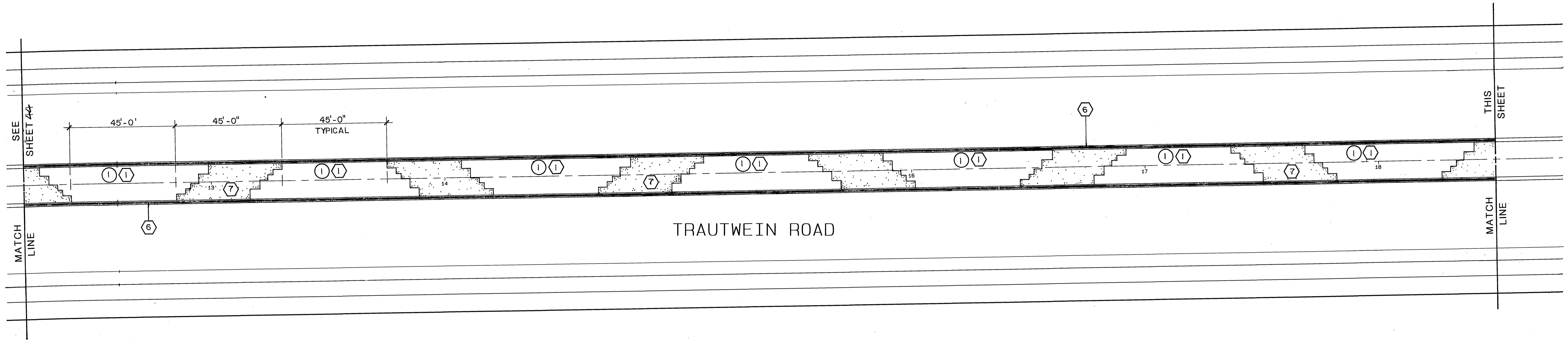
CONSTRUCTION LEGEND

- ① CONSTRUCT PLANTER
SEE ENLARGED PLAN, SHEET 60
- ② CONSTRUCT 12'X15' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ③ CONSTRUCT 5'X5' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ④ CONSTRUCT 3'X3' PLANTER
SEE ENLARGED PLAN, SHEET 60

- ⑤ 12"X12" TILE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑥ 12"X12" TILE PATTERN STAMPED CONCRETE BAND
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑦ ASHLAR SLATE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑧ CONSTRUCT 2X4 ROUGH SAWN REDWOOD HEADER
SEE DETAIL B, SHEET 60

PLANTING LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 58
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 58
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 58
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 58



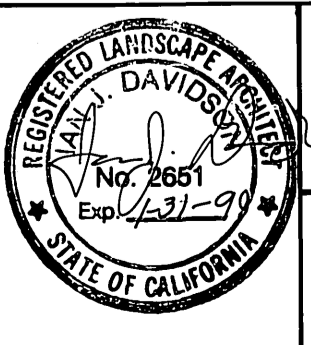
AS BUILT

APPROVED BY: _____
DATE: _____

REFER TO SHEET 58 FOR PLANTING LEGEND & NOTES

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TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE: _____ DATE: _____
APPROVED BY: _____

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RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92280
(714) 865-0644 (714) 825-1052 (619) 346-5691

SCALE: 1" = 20'-0"
DATE: MAY 1988

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____
PRINCIPAL ENGINEER: _____
PARK DEPARTMENT: _____
TRAFFIC DIVISION: _____
CHIEF P. W. ENGR.: _____

DATE: 3/23/89

CFD 86-1
CONSTRUCTION/PLANTING PLAN
TRAUTWEIN ROAD
STA. 12.2 TO 25

PROJECT NO. R-2971
SHEET 45 OF 106
FILE NO. 8710058

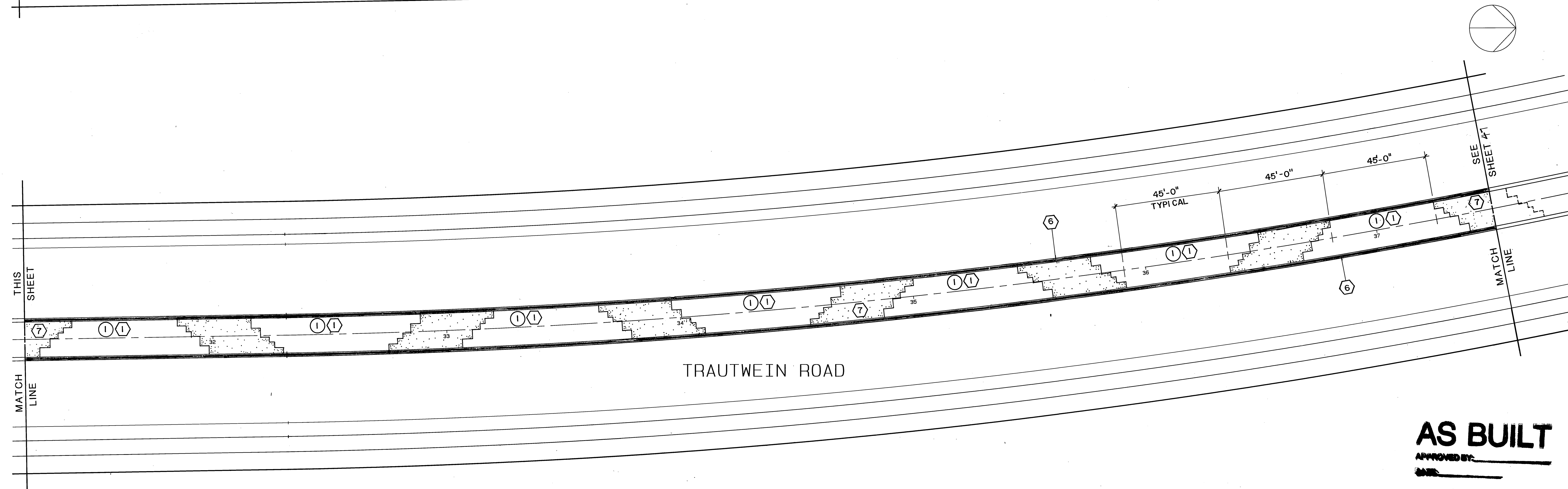
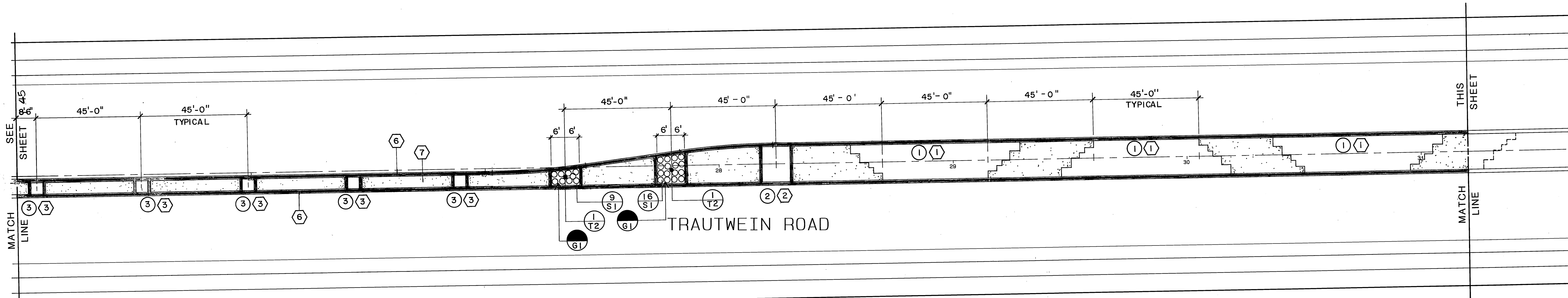
CONSTRUCTION LEGEND

- ① CONSTRUCT PLANTER
SEE ENLARGED PLAN, SHEET 60
- ② CONSTRUCT 12'X15' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ③ CONSTRUCT 5'X5' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ④ CONSTRUCT 3'X3' PLANTER
SEE ENLARGED PLAN, SHEET 60

- ⑤ 12"X12" TILE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑥ 12"X12" TILE PATTERN STAMPED CONCRETE BAND
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑦ ASHLAR SLATE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑧ CONSTRUCT 2X4 ROUGH SAWN REDWOOD HEADER
SEE DETAIL 2, SHEET 60

PLANTING LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 58
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 58
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 58
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 58

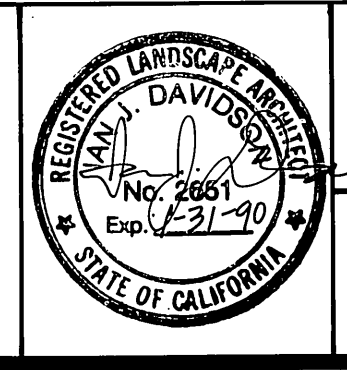


AS BUILT
APPROVED BY: *[Signature]*
DATE: *[Date]*

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PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____ DATE: _____
EXPIRATION DATE: _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 886-0844 (714) 825-1082 (619) 346-5691

SCALE: 1" = 20'-0"
DATE: MAY 1988

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *[Signature]* DATE: 3/23/89
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR.

CFD 86-1
CONSTRUCTION/PLANTING PLAN
TRAUTWEIN ROAD
STA. 25 TO 37.5/

PROJECT NO. R-2971
SHEET 46 OF 106
FILE NO. 8710058

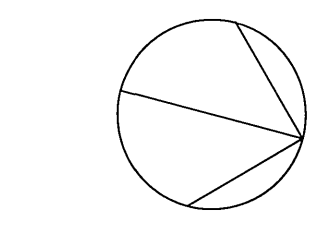
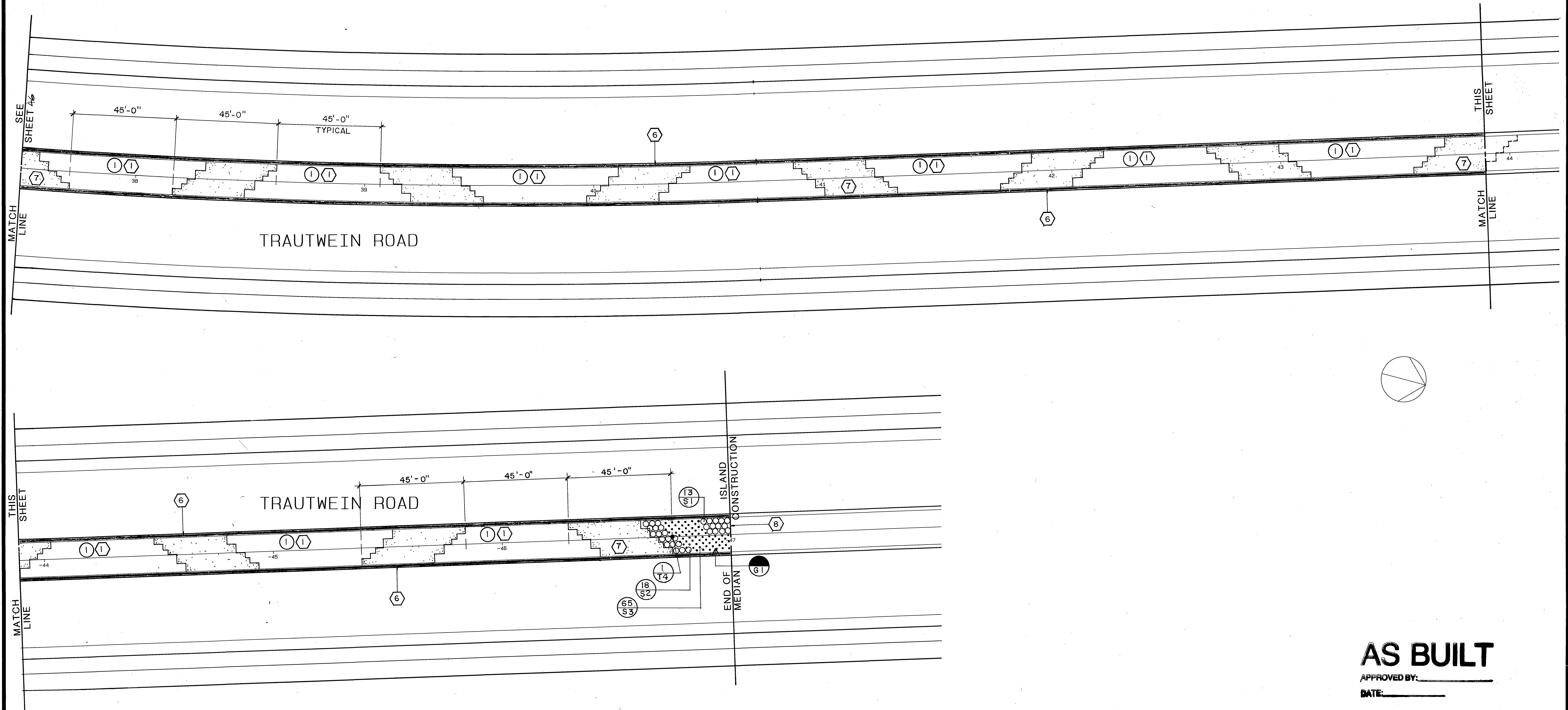
CONSTRUCTION LEGEND

- ① CONSTRUCT PLANTER
SEE ENLARGED PLAN, SHEET 60
- ② CONSTRUCT 12'X15' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ③ CONSTRUCT 5'X5' PLANTER
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- ④ CONSTRUCT 3'X3' PLANTER
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SEE TEXTURED PAVING NOTES, SHEET 60
- ⑦ ASHLAR SLATE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑧ CONSTRUCT 2X4 ROUGH SAWN REDWOOD HEADER
SEE DETAIL 6, SHEET 60

PLANTING LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 58
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 58
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 58
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 58



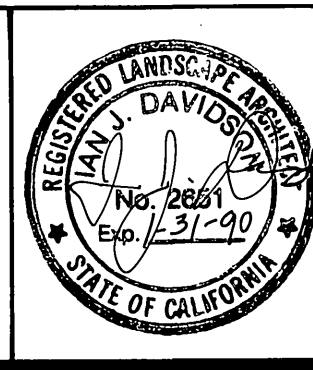
AS BUILT

APPROVED BY: _____
DATE: _____

REFER TO SHEET 58 FOR
PLANTING LEGEND & NOTES

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PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASEO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 925-1082 (619) 346-6691

DATE: **MAY 1988**

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	<i>[Signature]</i>	3/23/89	<i>[Signature]</i>
PARK DEPARTMENT	<i>[Signature]</i>	3/23/89	DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION	<i>[Signature]</i>	3/22/89	
CHIEF P.W. ENGR.	<i>[Signature]</i>	3/22/89	

CFD 86-1
CONSTRUCTION/PLANTING PLAN
TRAUTWEIN ROAD
STA. 37.5 TO 47.0

PROJECT NO. R-2971
SHEET 47 OF 106
FILE NO. 8710058

HORIZ. SCALE: 1" = 20'-0"
VERT. SCALE: 1" = 2'-0"

INDEXED 12-9-92 LFH

R2445

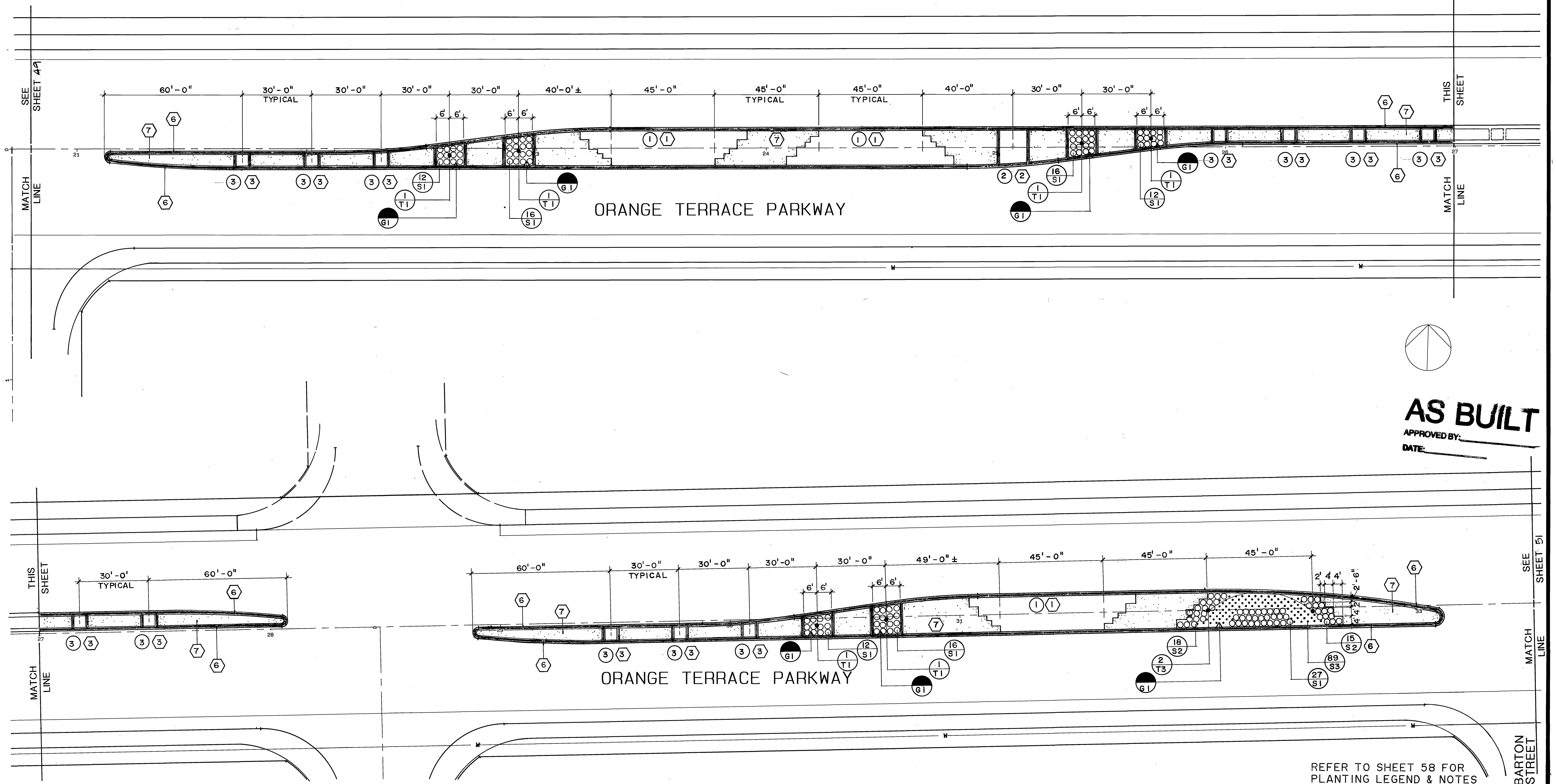
CONSTRUCTION LEGEND

- ① CONSTRUCT PLANTER
SEE ENLARGED PLAN, SHEET 60
- ② CONSTRUCT 12'X15' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ③ CONSTRUCT 5'X5' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ④ CONSTRUCT 3'X3' PLANTER
SEE ENLARGED PLAN, SHEET 60

- ⑤ 12"X12" TILE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑥ 12"X12" TILE PATTERN STAMPED CONCRETE BAND
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑦ ASHLAR SLATE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑧ CONSTRUCT 2X4 ROUGH SAWN REDWOOD HEADER
SEE DETAIL 8, SHEET 60

PLANTING LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 58
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 58
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 58
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 58



AS BUILT

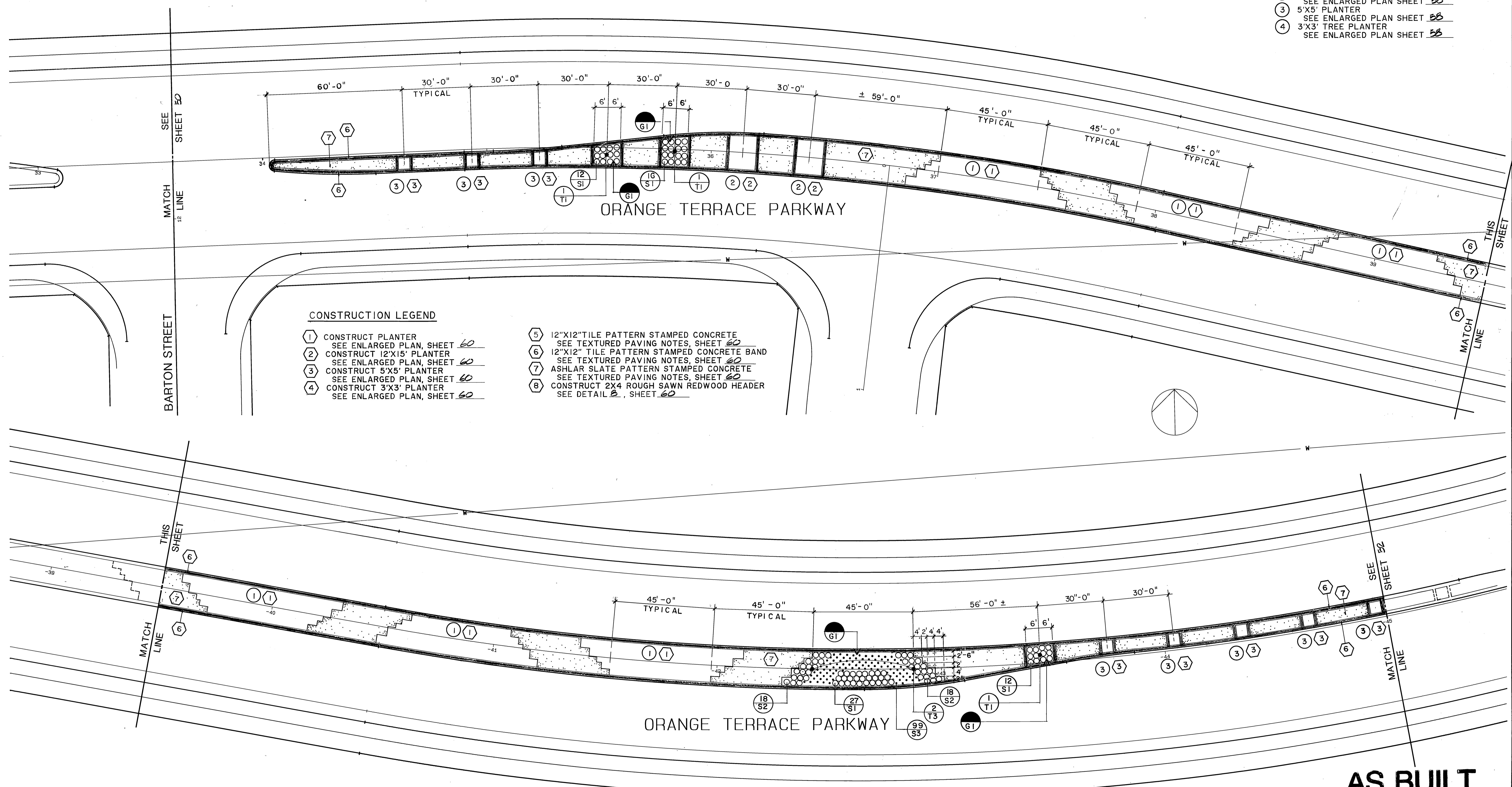
APPROVED BY: _____
DATE: _____

REFER TO SHEET 58 FOR PLANTING LEGEND & NOTES

<p>Underground Service Alert Call: TOLL FREE 1-800-422-4133</p>	<p>PRIVATE ENGINEERING NOTE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.</p>		<p>PREPARED UNDER THE DIRECTION OF: REGISTERED CIVIL ENGINEER NO. _____ EXPIRATION DATE _____ DATE: _____</p> <p>APPROVED BY: _____</p>	<p>J.F. DAVIDSON ASSOCIATES, INC. CIVIL ENGINEERS • SURVEYORS • PLANNERS</p> <p>P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-060 EL PASO, #103 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260 (714) 886-0844 (714) 825-1052 (619) 346-5691</p> <p>1" = 20'-0" DATE MAY 1988</p>		<p>CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS</p> <p>APPROVED BY: _____ DATE: _____ PRINCIPAL ENGINEER PARK DEPARTMENT</p> <p>APPROVED BY: <i>Bruce Red</i> DIRECTOR OF PUBLIC WORKS</p> <p>TRAFFIC DIVISION: _____ CHIEF P.W. ENGR. _____ DATE: 3/23/89</p>	<p>CFD 86-1 CONSTRUCTION/PLANTING PLAN ORANGE TERRACE PKWY STA. 20.8 TO 33.5</p>	<p>PROJECT NO. R-2971 SHEET 50 OF 106 FILE NO. 8710058</p>
--	---	--	---	---	--	---	--	---

PLANTING LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 58
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 58
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 58
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 58



CONSTRUCTION LEGEND

- ① CONSTRUCT PLANTER
SEE ENLARGED PLAN, SHEET 60
- ② CONSTRUCT 12'X15' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ③ CONSTRUCT 5'X5' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ④ CONSTRUCT 3'X3' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ⑤ 12"X12" TILE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑥ 12"X12" TILE PATTERN STAMPED CONCRETE BAND
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑦ ASHLAR SLATE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑧ CONSTRUCT 2X4 ROUGH SAWN REDWOOD HEADER
SEE DETAIL 2, SHEET 60

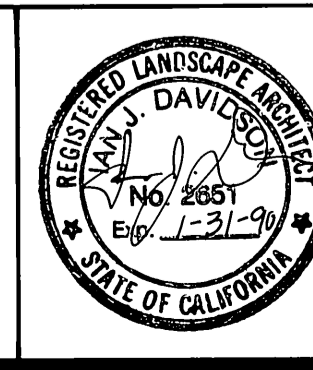
AS BUILT

APPROVED BY: _____
DATE: _____

REFER TO SHEET 58 FOR
PLANTING LEGEND & NOTES

Underground Service Alert
Call: TOLL FREE
1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 956-0844 (714) 955-1082 (619) 546-5691

DATE: **MAY 1988**

MARK	REVISIONS	APPR. DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: *Darryl Beck* DATE: *3/23/89*
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR. *Darryl Beck*

CFD 86-1
CONSTRUCTION/PLANTING PLAN
ORANGE TERRACE PKWY
STA. 33.5 TO 45

PROJECT NO. R-2971
SHEET **51** OF 106
FILE NO. 8710058

INDEXED 12-9-92 LTH

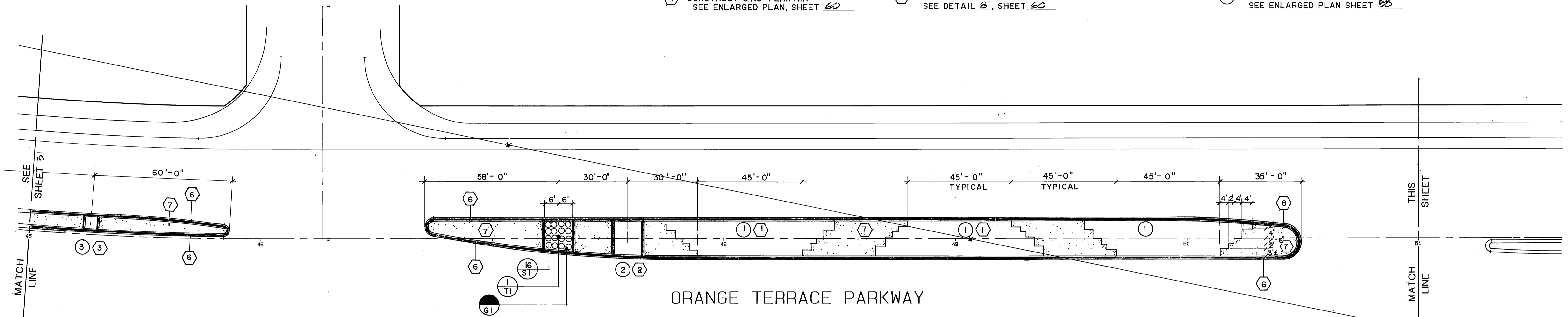
CONSTRUCTION LEGEND

- ① CONSTRUCT PLANTER
SEE ENLARGED PLAN, SHEET 60
- ② CONSTRUCT 12'X15' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ③ CONSTRUCT 5'X5' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ④ CONSTRUCT 3'X3' PLANTER
SEE ENLARGED PLAN, SHEET 60

- ⑤ 12"X12" TILE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑥ 12"X12" TILE PATTERN STAMPED CONCRETE BAND
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑦ ASHLAR SLATE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑧ CONSTRUCT 2X4 ROUGH SAWN REDWOOD HEADER
SEE DETAIL B, SHEET 60

PLANTING LEGEND

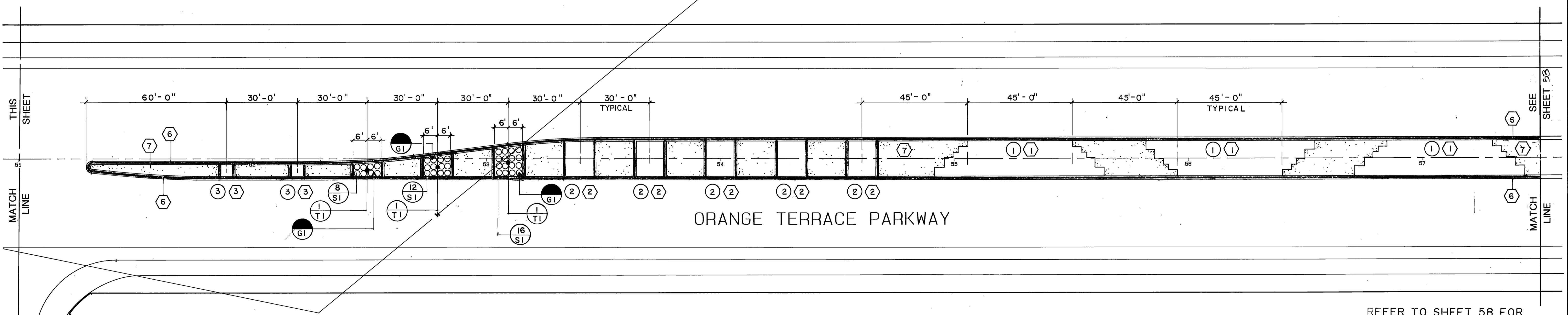
- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 58
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 58
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 58
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 58



ORANGE TERRACE PARKWAY

AS BUILT

APPROVED BY: _____
DATE: _____

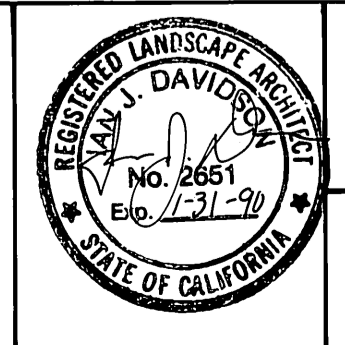


ORANGE TERRACE PARKWAY

REFER TO SHEET 58 FOR PLANTING LEGEND & NOTES

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-060 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 886-0844 (714) 825-1082 (619) 346-6691

SCALE: 1" = 20'-0"
DATE: MAY 1988

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

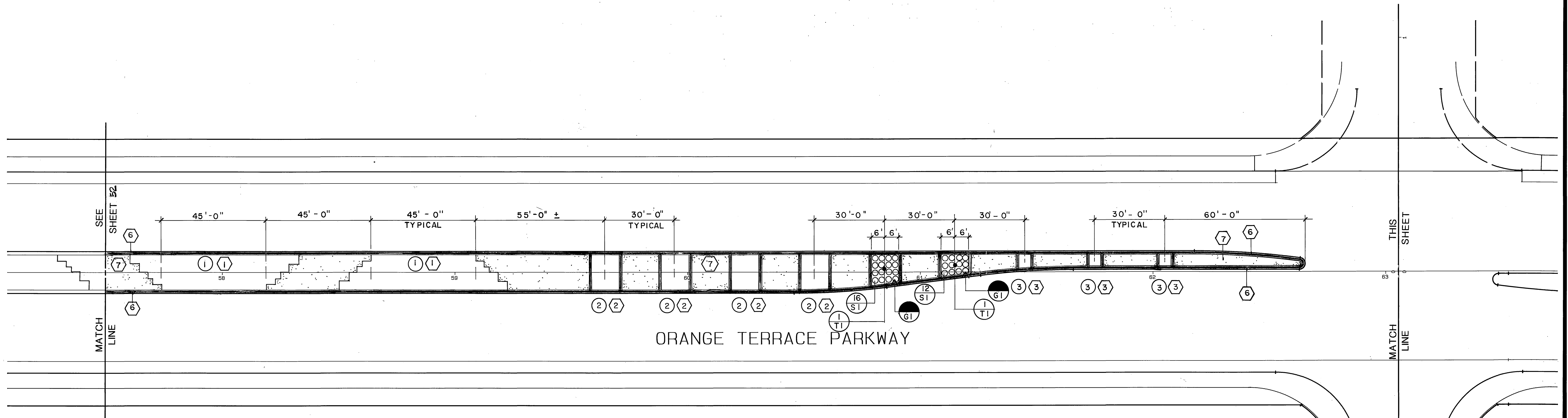
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: _____ DATE: 3/23/89
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR.

CFD 86-1
CONSTRUCTION/PLANTING PLAN
ORANGE TERRACE PKWY
STA. 45 TO 57.5

PROJECT NO. R-2971
SHEET 52 OF 106
FILE NO. 8710058

INDEXED 12-9-92 LF



ORANGE TERRACE PARKWAY

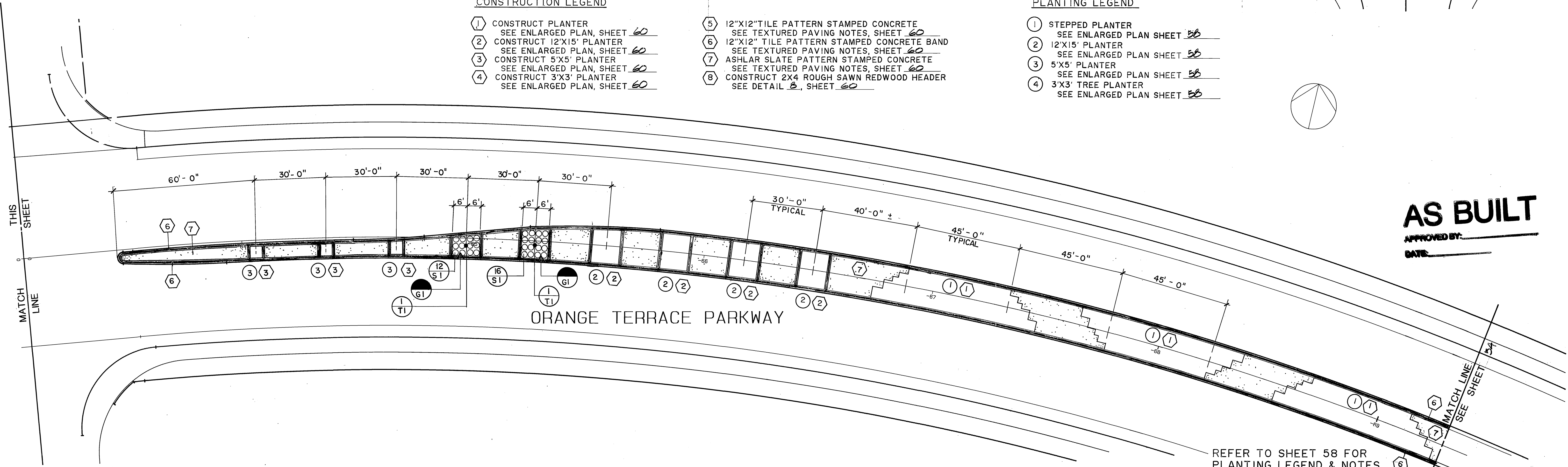
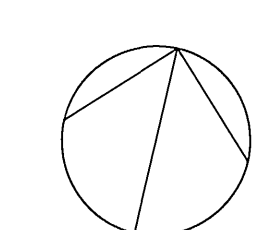
CONSTRUCTION LEGEND

- ① CONSTRUCT PLANTER
SEE ENLARGED PLAN, SHEET 60
- ② CONSTRUCT 12'X15' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ③ CONSTRUCT 5'X5' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ④ CONSTRUCT 3'X3' PLANTER
SEE ENLARGED PLAN, SHEET 60

- ⑤ 12"X12" TILE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑥ 12"X12" TILE PATTERN STAMPED CONCRETE BAND
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑦ ASHLAR SLATE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑧ CONSTRUCT 2X4 ROUGH SAWN REDWOOD HEADER
SEE DETAIL 8, SHEET 60

PLANTING LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 60
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 60
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 60
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 60

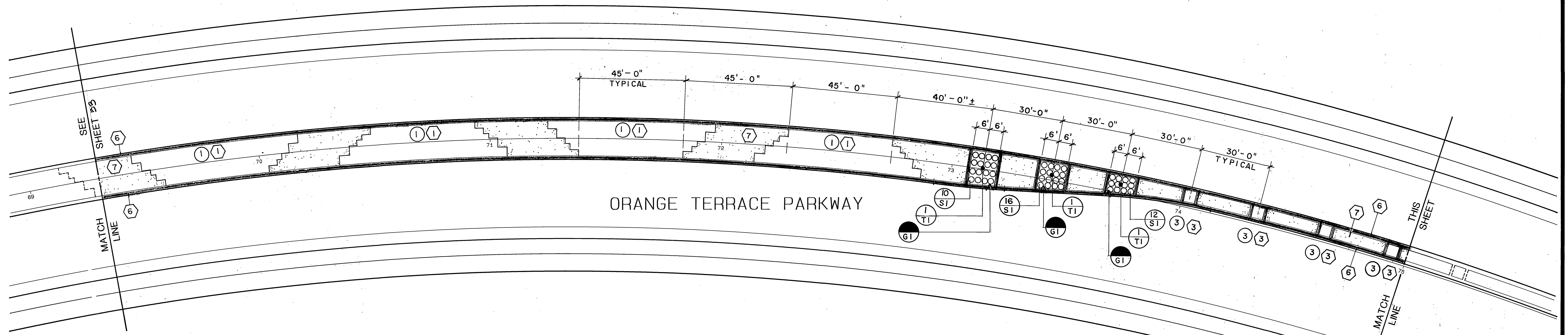


ORANGE TERRACE PARKWAY

AS BUILT
APPROVED BY: _____
DATE: _____

REFER TO SHEET 58 FOR
PLANTING LEGEND & NOTES

<p>Underground Service Alert Call: TOLL FREE 1-800-422-4133 TWO WORKING DAYS BEFORE YOU DIG</p>	<p>PRIVATE ENGINEERING NOTE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.</p>	<p>REGISTERED LANDSCAPE ARCHITECT J.F. DAVIDSON No. 265 Exp. 3-30 STATE OF CALIFORNIA</p>	<p>PREPARED UNDER THE DIRECTION OF:</p>	<p>J.F. DAVIDSON ASSOCIATES, INC. CIVIL ENGINEERS • SURVEYORS • PLANNERS P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260 (714) 886-0844 (714) 825-1082 (619) 346-5681</p>	<p>J.F.D. ASSOCIATES</p>	<p>CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS</p>	<p>CFD 86-1 CONSTRUCTION/PLANTING PLAN ORANGE TERRACE PKWY STA. 57.5 TO 69.3</p>	<p>PROJECT NO. R-2971 SHEET 53 OF 106 FILE NO. 8710058</p>
			<p>REGISTERED CIVIL ENGINEER NO. _____ EXPIRATION DATE _____ DATE: _____</p>					



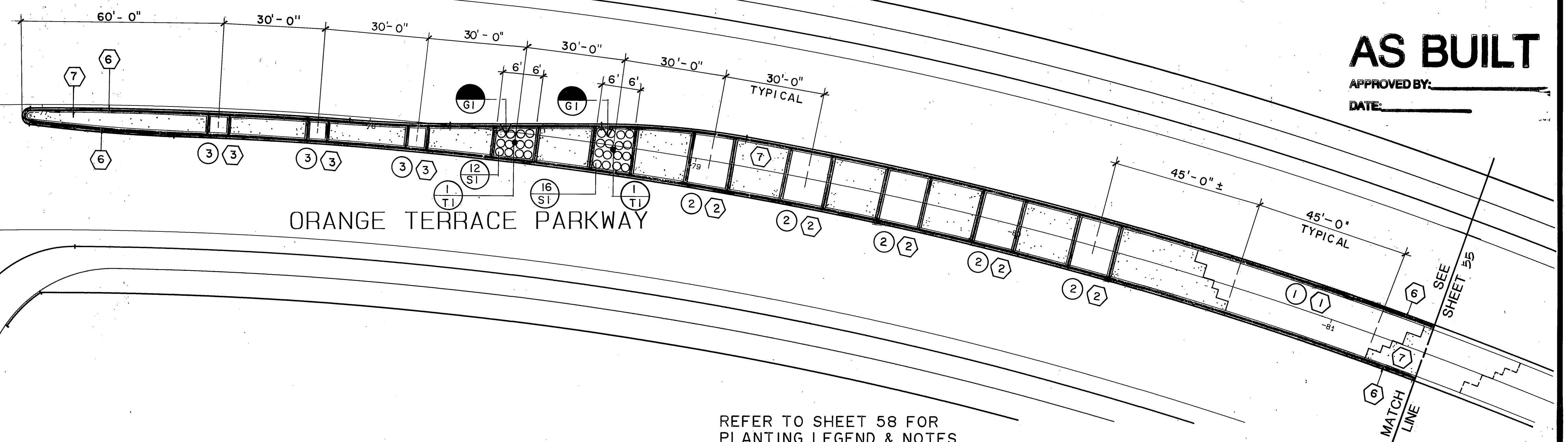
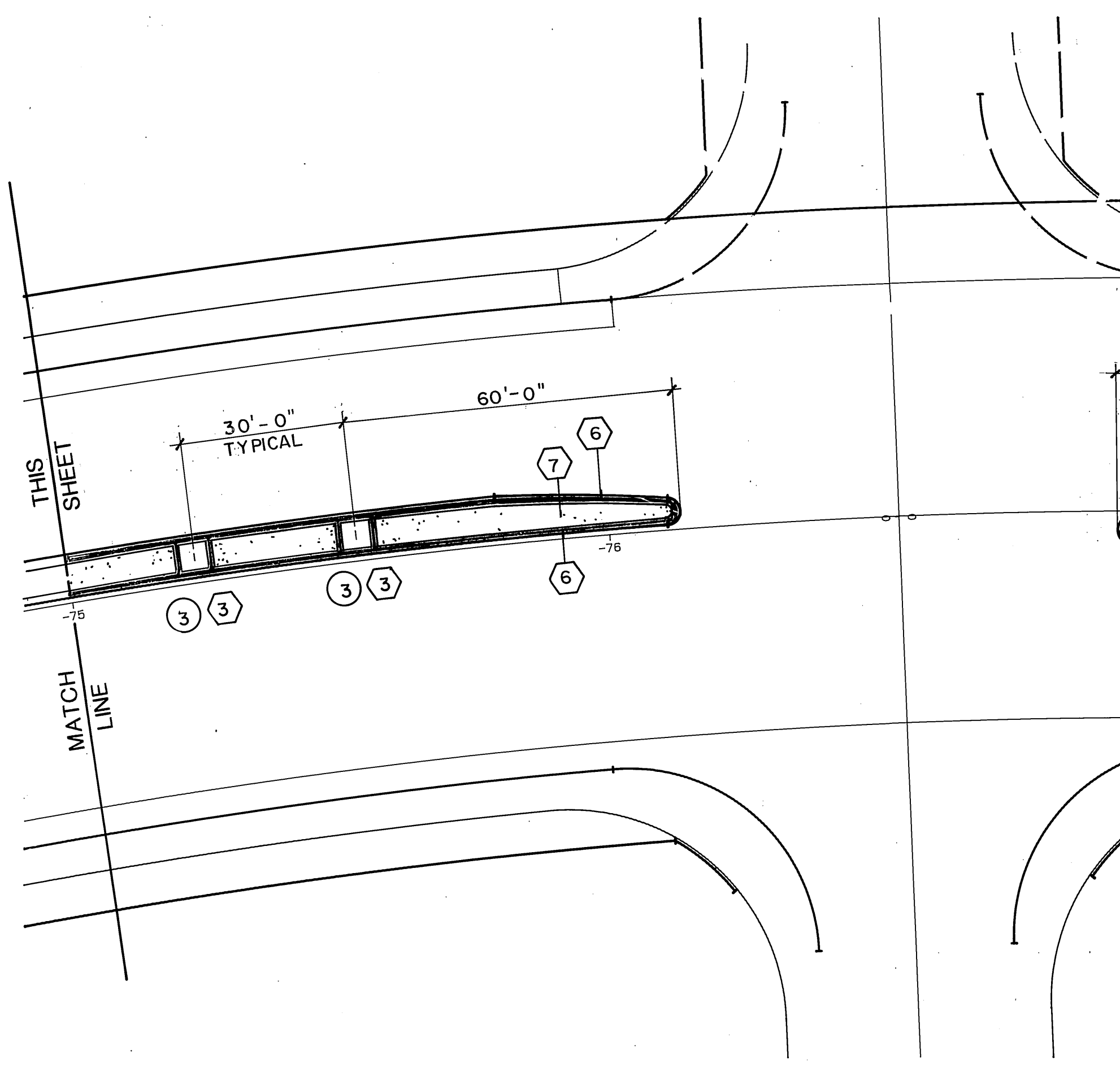
CONSTRUCTION LEGEND

- ① CONSTRUCT PLANTER
SEE ENLARGED PLAN, SHEET 60
- ② CONSTRUCT 12"X15' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ③ CONSTRUCT 5'X5' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ④ CONSTRUCT 3'X3' PLANTER
SEE ENLARGED PLAN, SHEET 60

- ⑤ 12"X12" TILE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑥ 12"X12" TILE PATTERN STAMPED CONCRETE BAND
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑦ ASHLAR SLATE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑧ CONSTRUCT 2X4 ROUGH SAWN REDWOOD HEADER
SEE DETAIL 8, SHEET 60

PLANTING LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 58
- ② 12"X15' PLANTER
SEE ENLARGED PLAN SHEET 58
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 58
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 58



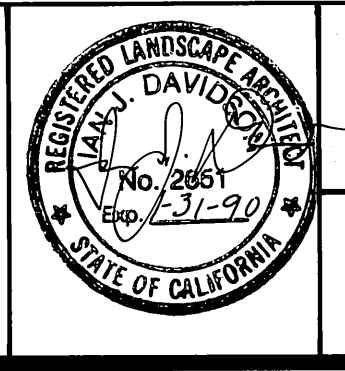
AS BUILT

APPROVED BY: _____
DATE: _____

REFER TO SHEET 58 FOR
PLANTING LEGEND & NOTES

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422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____ DATE: _____
EXPIRATION DATE: _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (819) 346-5891

1" = 20'-0"
DATE: MAY 1989

MARK	REVISIONS	APPR. DATE
DESIGNED BY	DRAWN BY	CHECKED BY

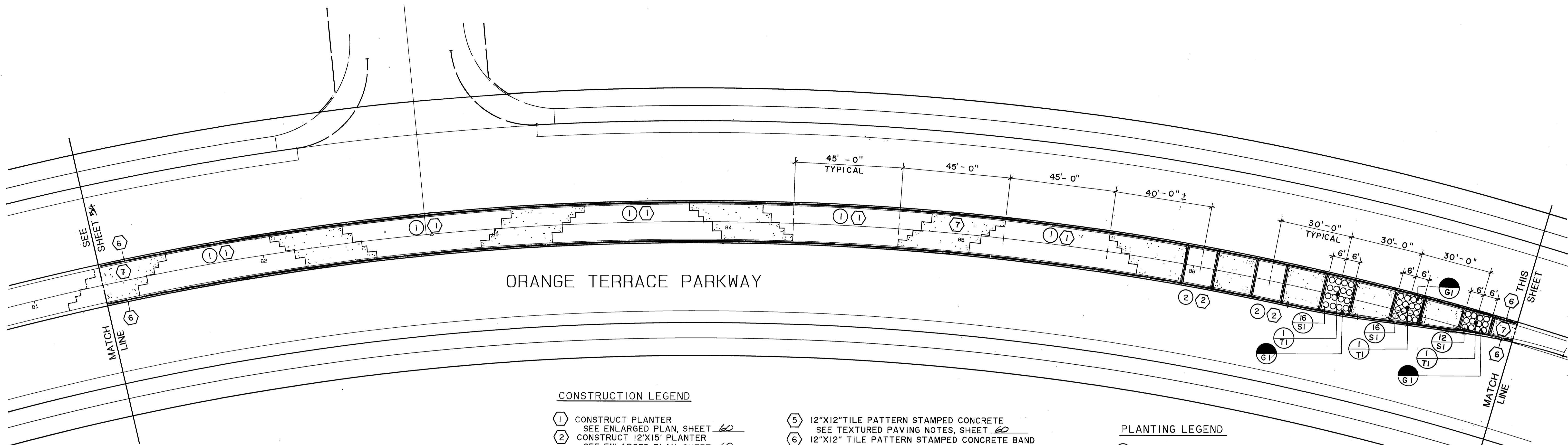
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY DATE: _____
PRINCIPAL ENGINEER: _____
PARK DEPARTMENT: _____
TRAFFIC DIVISION: _____
CHIEF P.W. ENGR. _____ DATE: 3/23/89

CFD 86-1
CONSTRUCTION/PLANTING PLAN
ORANGE TERRACE PKWY
STA. 69.3 TO 81.3

PROJECT NO. R-2971
SHEET 54 OF 106
FILE NO. 8710058

INDEXED 12-9-92 LH



ORANGE TERRACE PARKWAY

CONSTRUCTION LEGEND

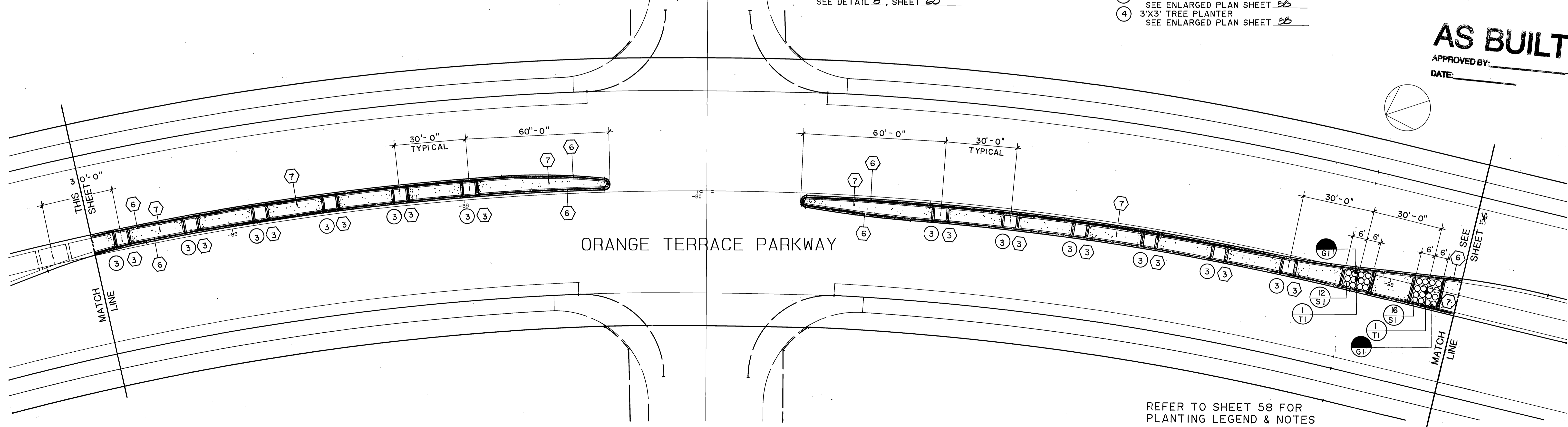
- ① CONSTRUCT PLANTER
SEE ENLARGED PLAN, SHEET 60
- ② CONSTRUCT 12'X15' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ③ CONSTRUCT 5'X5' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ④ CONSTRUCT 3'X3' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ⑤ 12"X12" TILE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑥ 12"X12" TILE PATTERN STAMPED CONCRETE BAND
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑦ ASHLAR SLATE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑧ CONSTRUCT 2X4 ROUGH SAWN REDWOOD HEADER
SEE DETAIL B, SHEET 60

PLANTING LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 58
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 58
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 58
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 58

AS BUILT

APPROVED BY: _____
DATE: _____

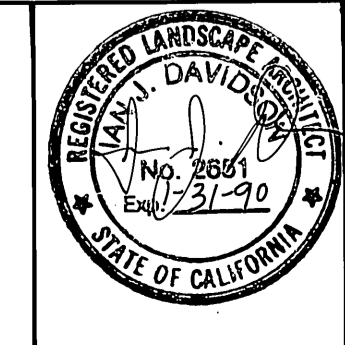


ORANGE TERRACE PARKWAY

REFER TO SHEET 58 FOR
PLANTING LEGEND & NOTES

Underground Service Alert
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1-800
422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 75-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92524 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: 1" = 20'-0"
DATE: MAY 1988

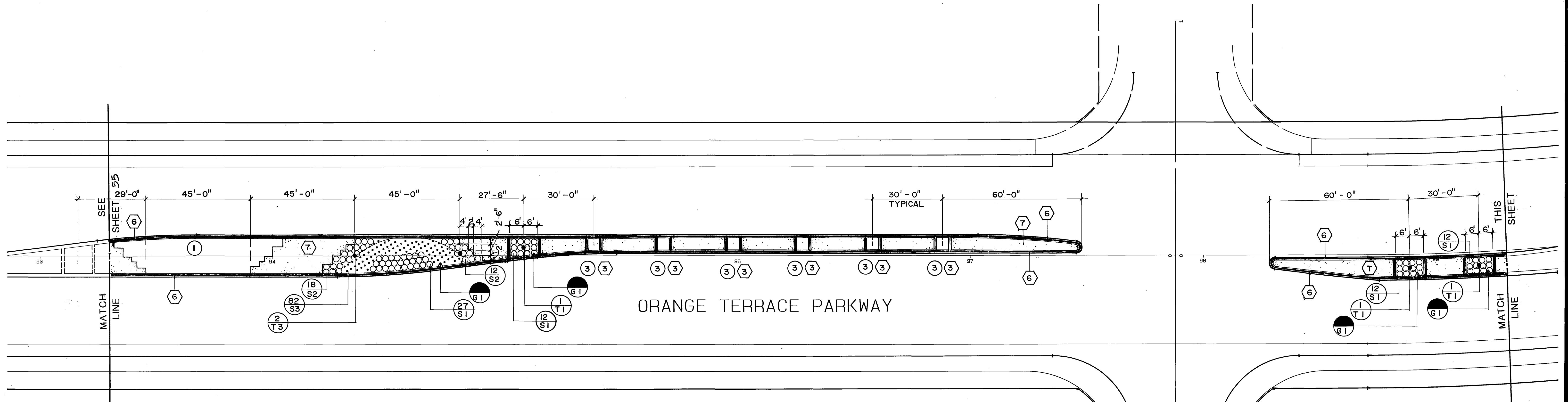
MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: _____ DATE: 12/23/87
PRINCIPAL ENGINEER
PARK DEPARTMENT 93 6-3-88
TRAFFIC DIVISION 12/23/87
CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1
CONSTRUCTION / PLANTING PLAN
ORANGE TERRACE PKWY
STA. 81.3 TO 93.3

PROJECT NO. R-2971
SHEET 55 OF 106
FILE NO. 8710058



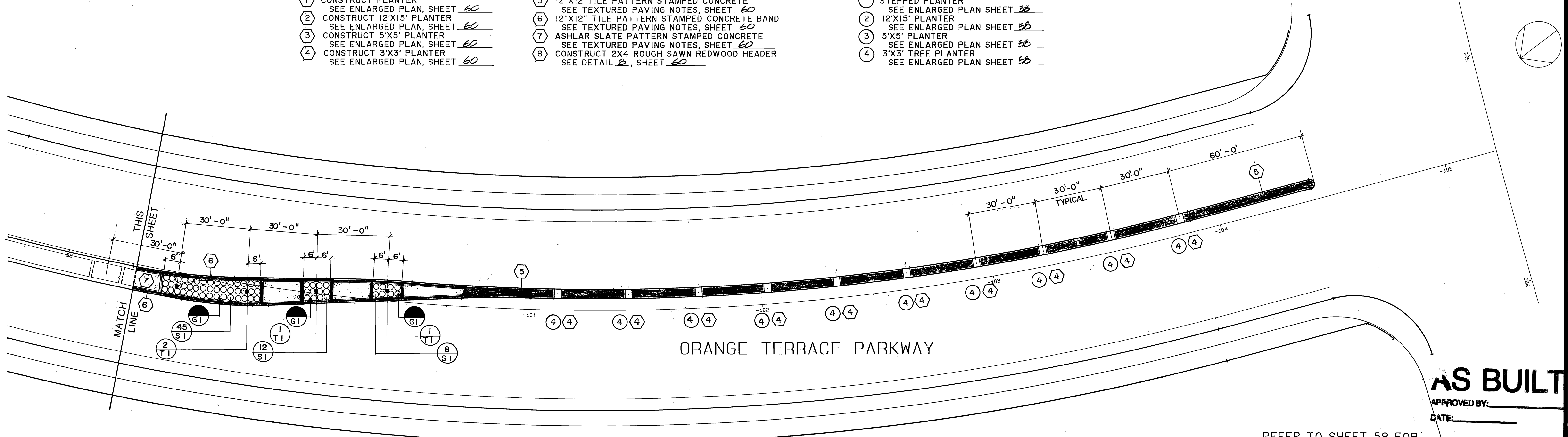
CONSTRUCTION LEGEND

- ① CONSTRUCT PLANTER
SEE ENLARGED PLAN, SHEET 60
- ② CONSTRUCT 12'X15' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ③ CONSTRUCT 5'X5' PLANTER
SEE ENLARGED PLAN, SHEET 60
- ④ CONSTRUCT 3'X3' PLANTER
SEE ENLARGED PLAN, SHEET 60

- ⑤ 12"X12" TILE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑥ 12"X12" TILE PATTERN STAMPED CONCRETE BAND
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑦ ASHLAR SLATE PATTERN STAMPED CONCRETE
SEE TEXTURED PAVING NOTES, SHEET 60
- ⑧ CONSTRUCT 2X4 ROUGH SAWN REDWOOD HEADER
SEE DETAIL 2, SHEET 60

PLANTING LEGEND

- ① STEPPED PLANTER
SEE ENLARGED PLAN SHEET 58
- ② 12'X15' PLANTER
SEE ENLARGED PLAN SHEET 58
- ③ 5'X5' PLANTER
SEE ENLARGED PLAN SHEET 58
- ④ 3'X3' TREE PLANTER
SEE ENLARGED PLAN SHEET 58



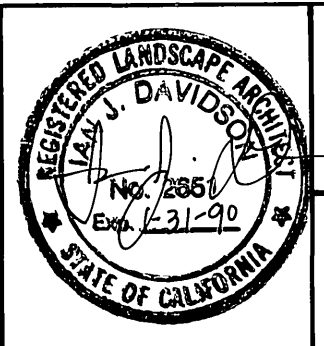
AS BUILT

APPROVED BY: _____
DATE: _____

REFER TO SHEET 58 FOR
PLANTING LEGEND & NOTES

Underground Service Alert
Call: TOLL FREE
1-800 422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE: _____ DATE: _____
APPROVED BY: _____

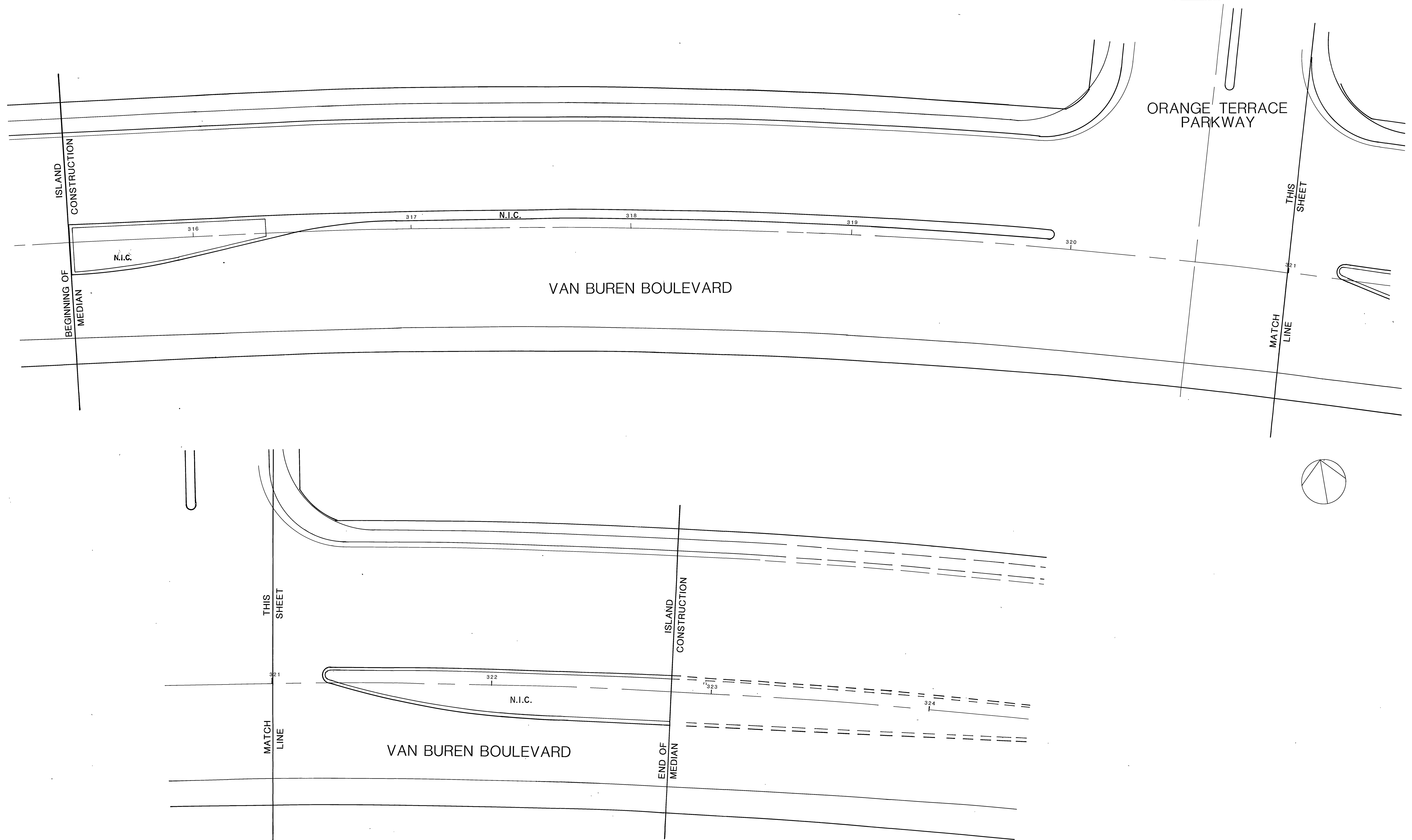
J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 886-0844 (714) 825-1082 (619) 546-5681

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____ BY: _____ DATE: _____
PRINCIPAL ENGINEER: _____
PARK DEPARTMENT: _____
TRAFFIC DIVISION: _____
CHIEF P.W. ENGR. _____ DATE: 3/23/89

CFD 86-1
CONSTRUCTION/PLANTING PLAN
ORANGE TERRACE PKWY
STA. 93.3 TO 105.0
HORIZ. SCALE: 1" VERT. SCALE: 1"

PROJECT NO. R-2971
SHEET 56 OF 106
FILE NO. 871005B



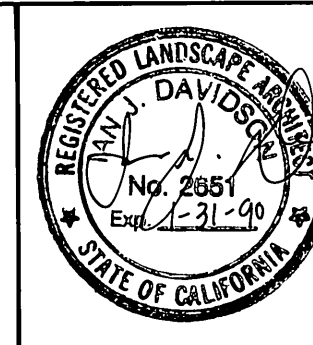
AS BUILT

REFER TO SHEET 58 FOR PLANTING LEGEND & NOTES

APPROVED BY: _____
DATE: _____

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 886-0844 (714) 825-1082 (619) 346-5691

DATE: **MAY 1988**

MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	<i>ME</i>	12-23-79	<i>Barry Red</i>
PARK DEPARTMENT	<i>CS</i>	6-7-79	DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION	<i>CS</i>	12-23-79	
CHIEF P.W. ENGR.	<i>CS</i>	5-22	
	<i>ME</i>	3/23/89	

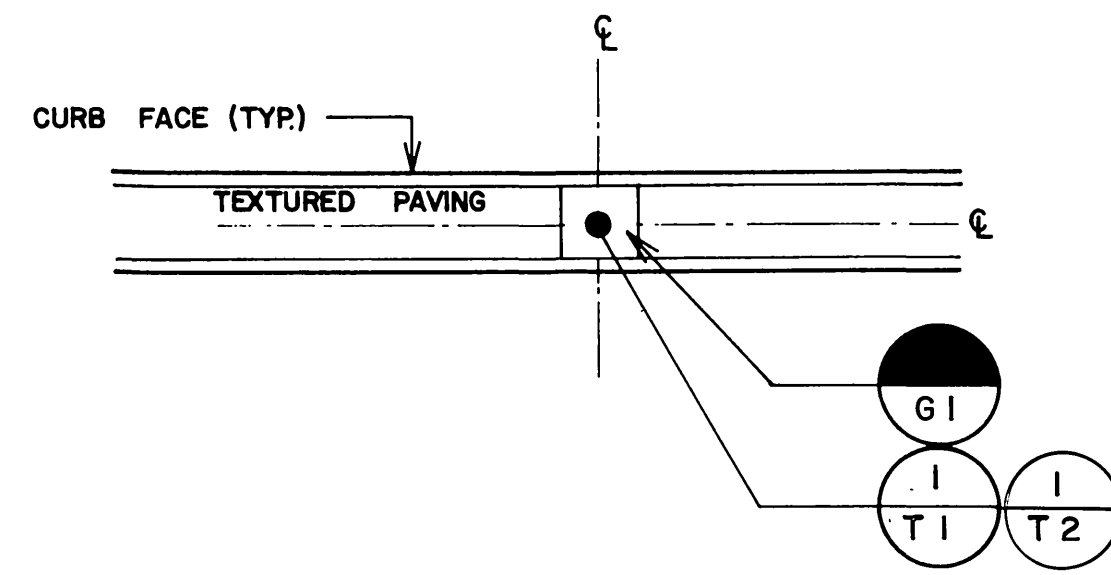
CFD 86-1
CONSTRUCTION/PLANTING PLAN.
VAN BUREN BLVD.
STA. 315 TO 322.8

PROJECT NO. R-2971
SHEET **57** OF 106
FILE NO. 8710058

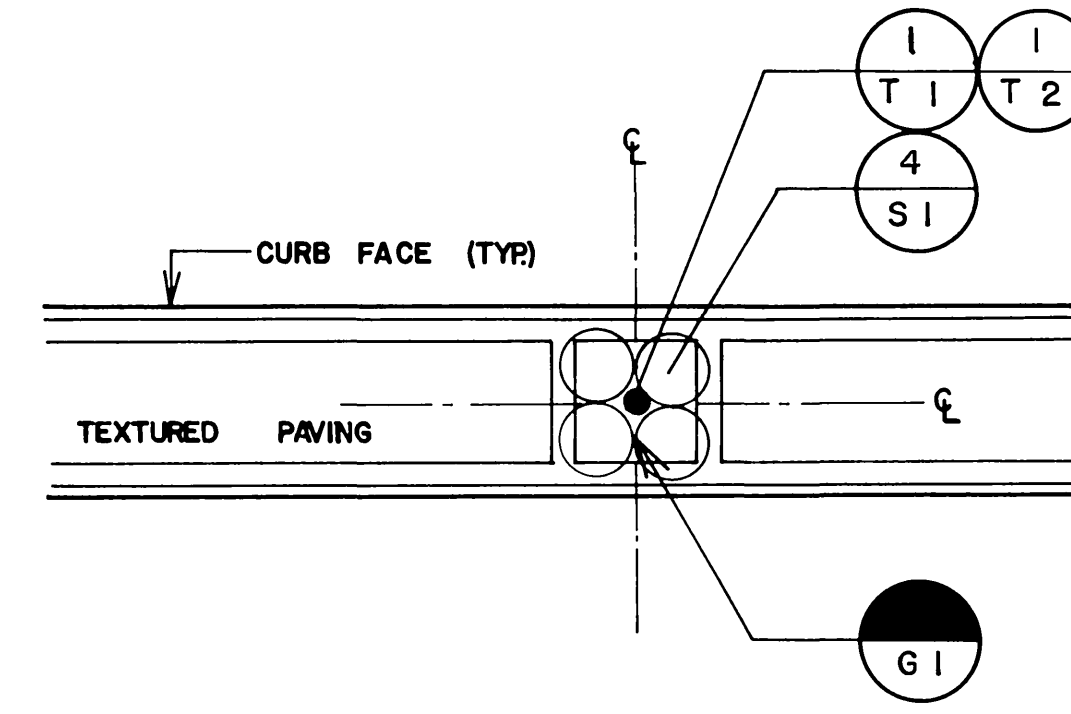
PC 2445

PLANTING NOTES:

1. PLANT AND IRRIGATION DESIGN IS DIAGRAMMATIC AND SHALL NOT TAKE PLACE WHERE UNFORESEEN SITE CONDITIONS PREVENT EXECUTION OF THE DESIGNERS INTENT.
2. CONTRACTOR SHALL CALL THE LANDSCAPE ARCHITECT'S ATTENTION TO SITE CONDITIONS WHICH PREVENT HIS INSTALLATION PER PLAN IN A REASONABLE MANNER.
3. CONTRACTOR SHALL REMAIN LIABLE FOR REMOVING, RE-INSTALLING IRRIGATION SYSTEM, AND REPLANTING AREAS WHICH ARE NOT LANDSCAPED PER PLAN AND SPECIFICATIONS.
4. MAINTENANCE PERIOD SHALL BE 360 DAYS FROM DATE OF ACCEPTANCE. PLANTING SHALL BE GUARANTEED FOR ONE YEAR. MAINTENANCE SHALL INCLUDE BI-WEEKLY WEED AND RODENT ABATEMENT PROCEDURES INCLUDING 4 FOLIAR APPLICATIONS OF CHELATED IRON AND TRACE MINERALS 90 DAYS APART.
5. REPLACEMENT OF DAMAGED OR DESTROYED ITEMS SHALL TAKE PLACE WITHIN 48 HOURS OF NOTIFICATION BY THE CITY'S REPRESENTATIVE, OR SAID REPLACEMENT ITEMS SHALL BE DEDUCTED FROM THE CONTRACTOR'S FINAL BILLING.
6. REPLACEMENT ITEMS SHALL BE EXACT DUPLICATE OF ORIGINAL WORK OR PLANTS, UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT OR CITY'S REPRESENTATIVE.
7. TREES AND SHRUBS SHALL BE PLANTED AFTER CONCRETE PLACEMENT, BUT NOT BEFORE IRRIGATION COVERAGE TEST NO. 1 HAS BEEN APPROVED.
8. PLACE TREES BETWEEN SPRAY HEADS WHEREVER POSSIBLE.
9. AREAS TO BE PLANTED IN GROUND COVER SHALL HAVE THE FOLLOWING MATERIALS TILLED INTO THE TOP 6" OF SOIL PER 1,000 SQ. FT.:
 - 4 CU. YDS. NITROLIZED WOOD SHAVINGS
 - 20 LBS. 12-12-12 COMMERCIAL FERTILIZER (BEST PRODUCTS OR EQUAL)
 - 100 LBS. AG. GYPSUM
 - 10 LBS. SOIL SULFUR
 - 20 LBS. IRON SULFATE
10. BACKFILL MIX SHALL CONSIST OF THE FOLLOWING PER CU. YD.:
 - 2/3 YD. SCREENED SITE SOIL
 - 1/3 YD. NITROLIZED WOOD SHAVINGS
 - 1 LB. 12-12-12 COMMERCIAL FERTILIZER
 - 10 LBS. AG. GYPSUM
 - 1 LB. SOIL SULFUR
 - 2 LBS. IRON SULFATE
11. IRRIGATION SYSTEM SHALL BE INSTALLED PRIOR TO PLANT MATERIALS.
12. CHIPPER MULCH INSTALLATION: COVER SHRUB AREAS ONLY WITH A 3" THICK PLACEMENT OF "MEDIUM GRIND" CHIPPER MULCH, AS PER BLUE RIBBON LANDSCAPE SUPPLIES, INC. (714-633-3666), OR EQUAL. SUBMIT SAMPLE TO THE LANDSCAPE ARCHITECT FOR APPROVAL BEFORE PURCHASING AND SPREADING.
13. REFER TO IRRIGATION NOTES FOR INSPECTION/CERTIFICATION SCHEDULE.
14. A SITE SHALL BE PRE-SELECTED BY THE OWNER FOR PLANT DELIVERY AND APPROVAL, FOR MIXING OF BACKFILL, AND STORAGE OF IRRIGATION EQUIPMENT IN CONTAINERS.
15. CLEAN-UP SHALL TAKE PLACE ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE.



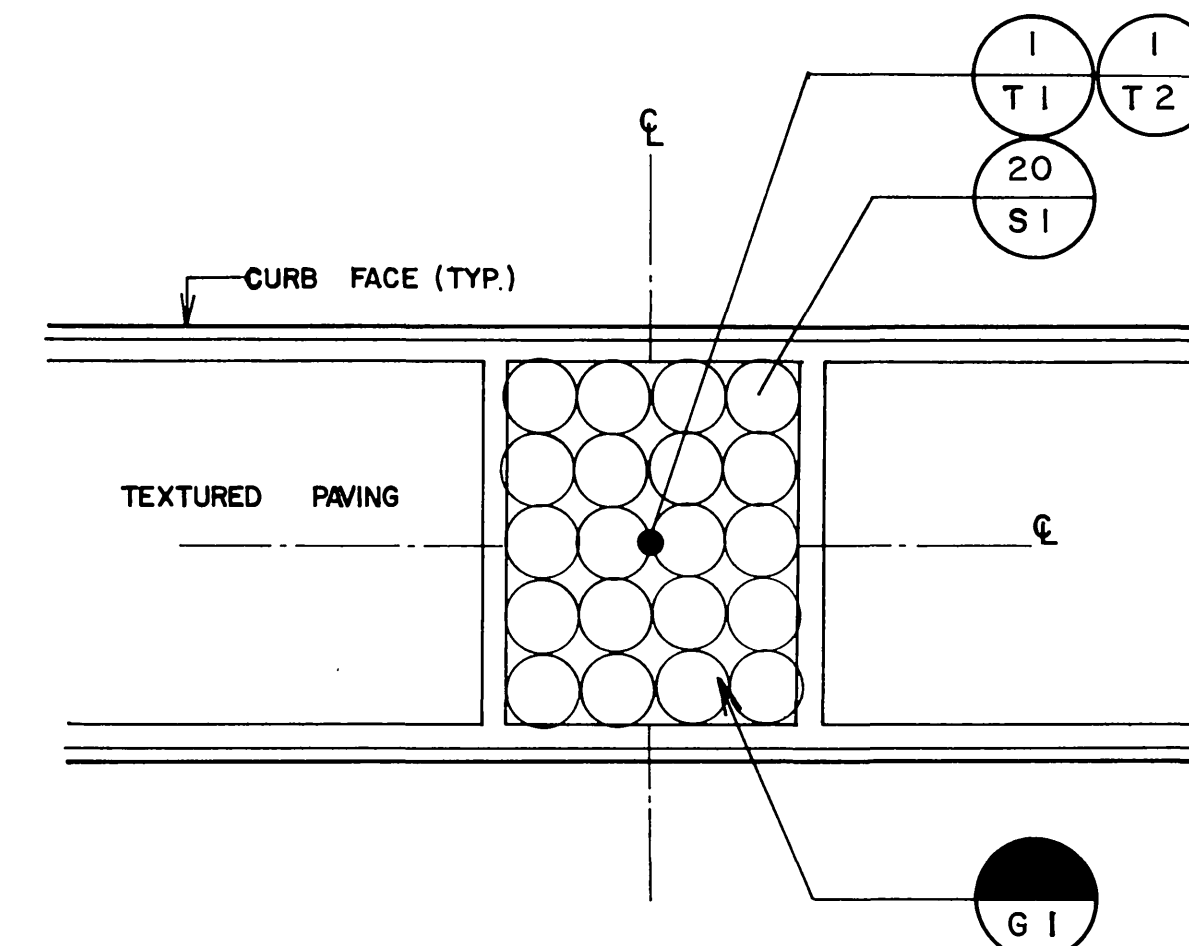
4 3' X 3' NOSE TREE PLANTER BLOW-UP (TYP)
SCALE: 1/8" = 1'-0"



3 5' X 5' PLANTER BLOW-UP (TYP)
SCALE: 1/8" = 1'-0"

PLANTING LEGEND.

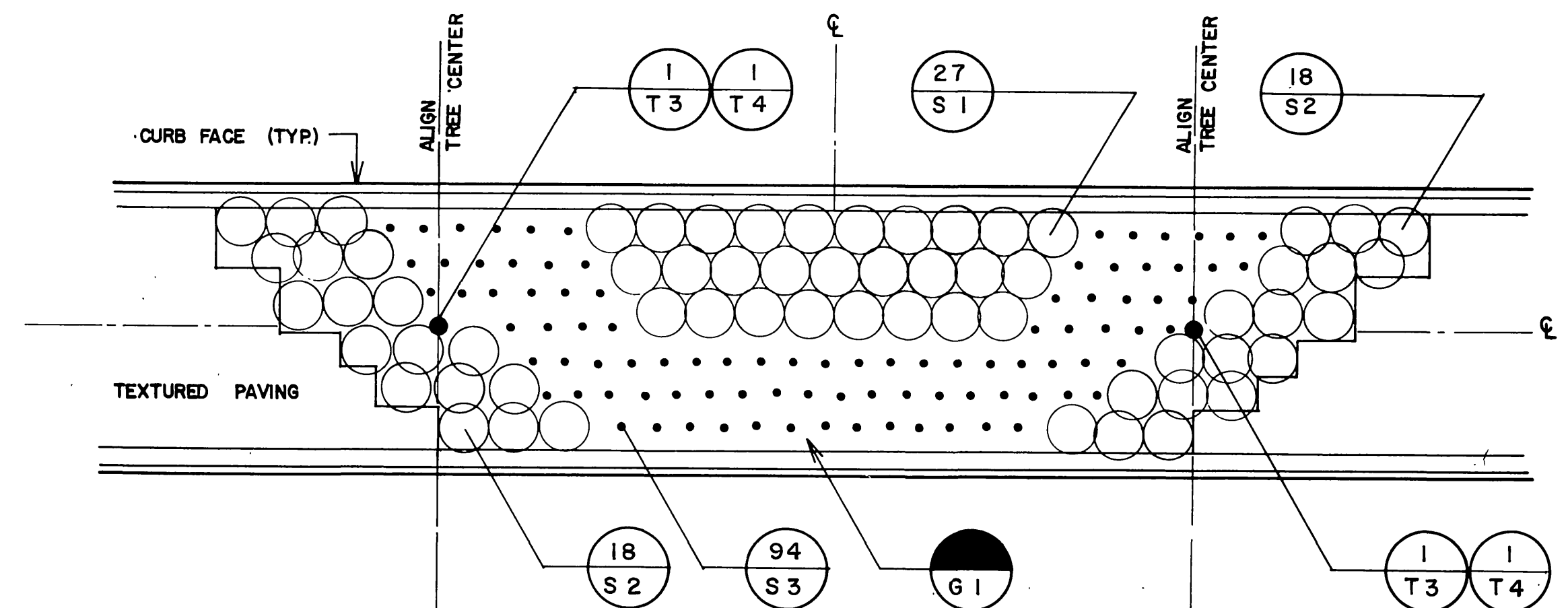
ITEM	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	COMMENT	DETAILS
TREES						
T-1	(Symbol)	LAGERSTROEMIA INDICA	CRAPE MYRTLE 'PURPLE'	15 GAL.	ORANGE TERRACE PARKWAY	C,D,E
T-2	(Symbol)	LAGERSTROEMIA INDICA	CRAPE MYRTLE 'WHITE'	15 GAL.	TRAUTWEIN	C,D,E
T-3	(Symbol)	MAGNOLIA GRANDIFOLIA	SOUTHERN MAGNOLIA	15 GAL.	O.T.P.	C,D,E
T-4	(Symbol)	PINUS ELDERICA	N.C.N.	15 GAL.	TRAUTWEIN	C,D,E
SHRUBS						
S-1	(Symbol)	RAPHIOLEPIS INDICA	DWARF INDIAN 'PINKIE'	5 GAL.	36" O.C.	A,B
S-2	(Symbol)	PITTOSPORUM TOBIRA	DWARF MOCK ORANGE 'WHEELER'	5 GAL.	36" O.C.	A,B
S-3	(Symbol)	TRACHELOSPERMUM	STAR JASMINE	1 GAL.	24" O.C.	A
GROUND COVERS						
G-1	(Symbol)	MEDIUM GRIND	SHREDDED MULCH	3" THICK	ALL PLANTERS - SOURCE: BLUE RIBBON LANDSCAPE PRODUCTS ORANGE, CALIFORNIA (714) 633-3666	



2 12' X 15' PLANTER BLOW-UP (TYP)
SCALE: 1/8" = 1'-0"

MEDIAN ISLAND GENERAL INSPECTION NOTES FOR CITY APPROVAL

1. ALL RELATED WORK SHALL CONFORM TO THE CITY OF RIVERSIDE PARK & RECREATION DEPARTMENT STANDARDS.
2. CONTACT THE PARK PROJECTS INSPECTOR A MINIMUM OF 48 HOURS IN ADVANCE AT (714) 782-5223 TO SCHEDULE INSPECTION. INSPECTIONS SHALL BE REQUIRED.
 - (a) PRIOR TO THE INSTALLATION OF IRRIGATION LINES OR COMPONENTS.
 - (b) PRIOR TO INSTALLATION OF HARDSCAPE.
 - (c) WHEN PLANT LOCATIONS HAVE BEEN SPOTTED IN THE FIELD PRIOR TO DIGGING PLANT PITS.
 - (d) WHILE DIGGING PLANT PITS & PLANTING/RELOCATING TREES
 - (e) AFTER PLANTING & ALL OTHER INDICATED OR SPECIFIED WORK HAS BEEN COMPLETED FOR START OF MAINTENANCE.
 - (f) AT END OF MAINTENANCE/FINAL ACCEPTANCE (CONTRACTOR/DEVELOPER WILL BE RELEASED FROM MAINTENANCE. ONLY UPON RECEIPT OF WRITTEN NOTIFICATION FROM THE CITY THAT THE PARK & RECREATION DEPARTMENT IS ASSUMING MAINTENANCE RESPONSIBILITIES)
3. THE CONTRACTOR/DEVELOPER SHALL MAINTAIN ALL PLANTINGS FOR A MINIMUM PERIOD OF ONE (1) YEAR



1 STEPPED PLANTER BLOW-UP (TYP)
SCALE: 1/8" = 1'-0"

AS BUILT
APPROVED BY: _____
DATE: _____

Underground Service Alert
Call: TOLL FREE 1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG.

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERAL ACCEPTED CONSTRUCTION PRACTICES CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493, 11200 SO. MT. VERNON AVE. #D, 73-080 EL PASO, #103
RIVERSIDE, CA 92502, COLTON, CA 92324, PALM DESERT, CA 92260
(714) 886-0844, (714) 825-1082, (619) 348-5691

AS SHOWN
DATE: MAY 1988

MARK	REVISIONS	APPR	DATE

DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

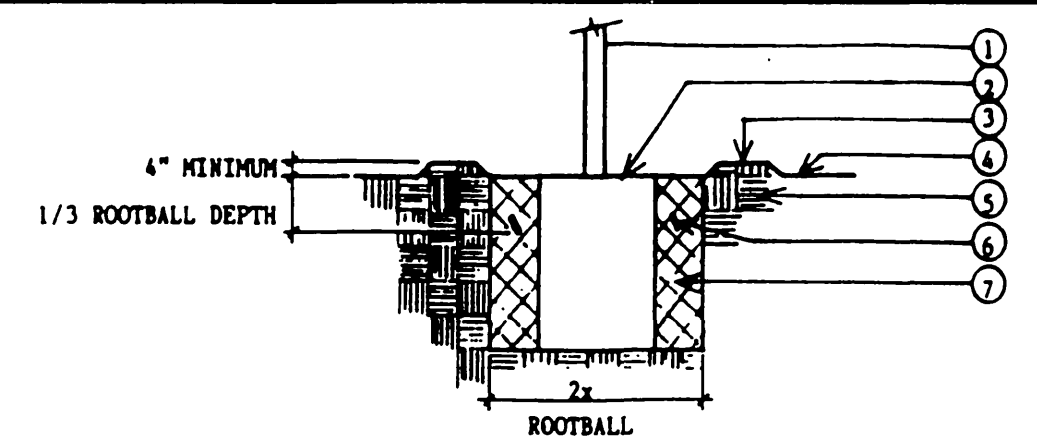
APPROVED BY: _____
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CHIEF P.W. ENGR

DATE: 3/23/89

CFD 86-1
PLANTING LEGEND ENLARGED PLANS

PROJECT NO. R-2971
SHEET 58 OF 106
FILE NO. 8710058

HORIZ. SCALE: 1" VERT. SCALE: 1"

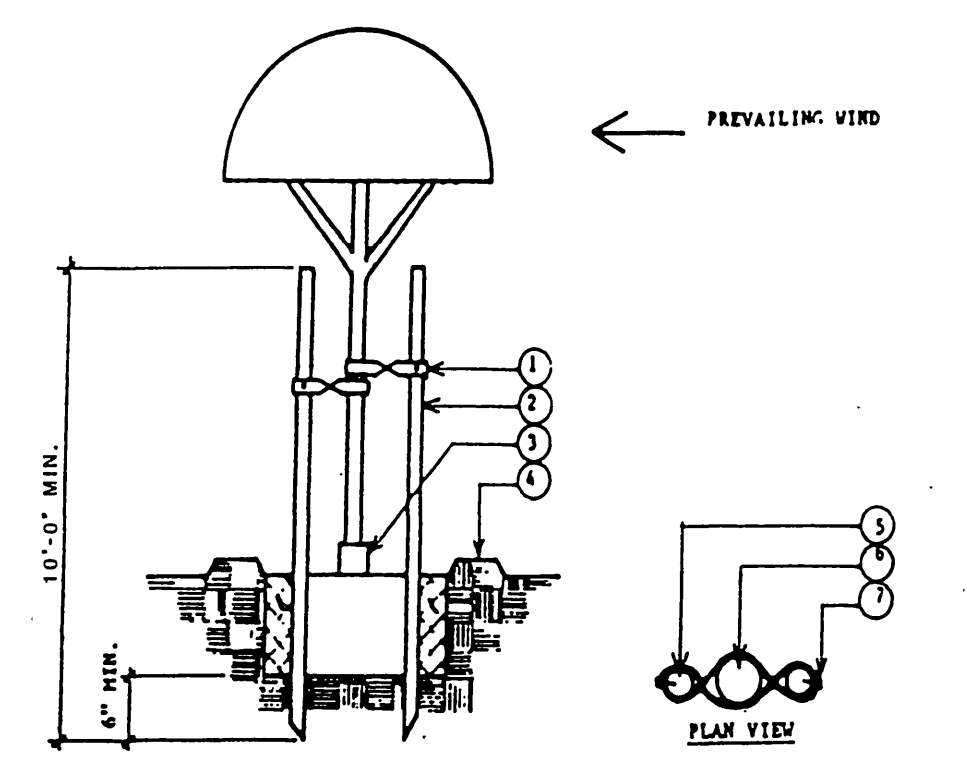


- LEGEND**
- CONTAINER PLANT
 - SET ROOTBALL FROM 2" MAX TO 1/2" MIN. HIGHER THAN ADJACENT FINISH GRADE.
 - WATERING BASIN
 - FINISH GRADE
 - UNDISTURBED SOIL (TYP.)
 - FERTILIZER TABLETS (PER SPECS)
 - BACKFILL (PER SPECS)

- GENERAL PLANTING NOTES**
- CONTACT THE PARK PROJECT INSPECTOR AT 787-7223, 48 HOURS PRIOR TO INSTALLING ANY PLANT MATERIAL.
 - TREES PLANTED IN TURF AREAS SHALL BE MAINTAINED WITH A MINIMUM 12" RADIUS AROUND TREE FREE FROM TURF THROUGHOUT THE MAINTENANCE PERIOD.
 - WATERING BASINS MAY BE REMOVED AFTER THE MAINTENANCE PERIOD.
 - FOR STAKING INFORMATION AS APPLICABLE, REFER TO STANDARD STAKING DETAIL.
 - FOR CUTTING INFORMATION AS APPLICABLE, REFER TO STANDARD CUTTING DETAIL.
 - FOR SPECIFICATION INFORMATION, REFER TO CITY OF RIVERSIDE PARK AND RECREATION DEPARTMENT STANDARD SPECIFICATIONS SECTIONS 02480/02401.
 - PROVIDE FERTILIZER TABLETS AS FOLLOWS:

1 GAL PLANT	2 TABLETS
5 GAL PLANT	3 TABLETS
15 GAL PLANT	5 TABLETS
24" BOX PLANT	8 TABLETS

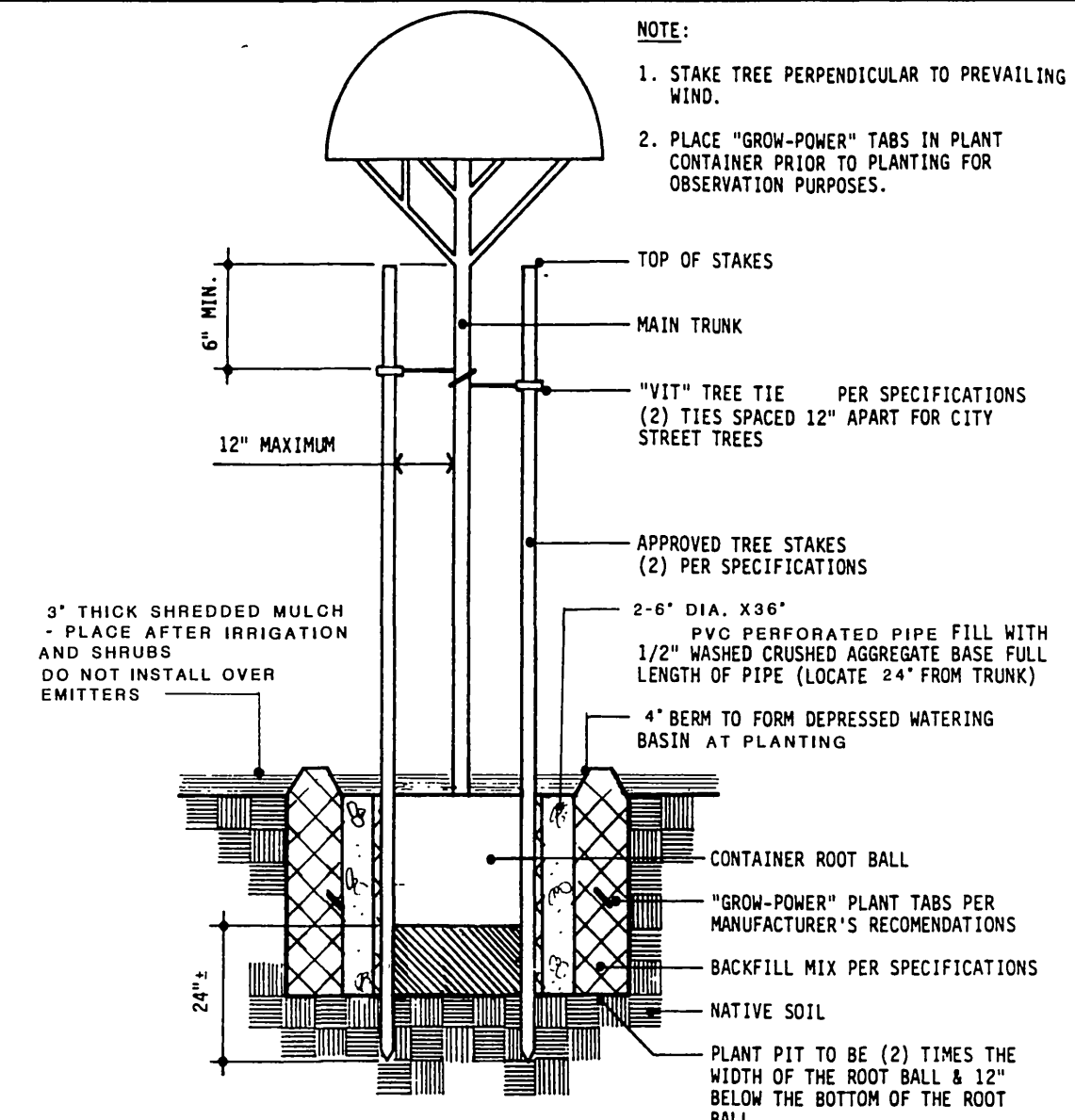
D PLANTING DETAIL
DETAIL NO. 1001



- LEGEND**
- TIRE STRIP TIE
 - 2" LOGPOLE PIPE STAKE
 - PLASTIC TRUNK GUARD SUCH AS ARBOR-GARD AS MANUFACTURED BY DEEP ROOT CORP.
 - UNDISTURBED SOIL
 - LOGPOLE PIPE STAKE
 - TREE TRUNK
 - GALV. NAIL

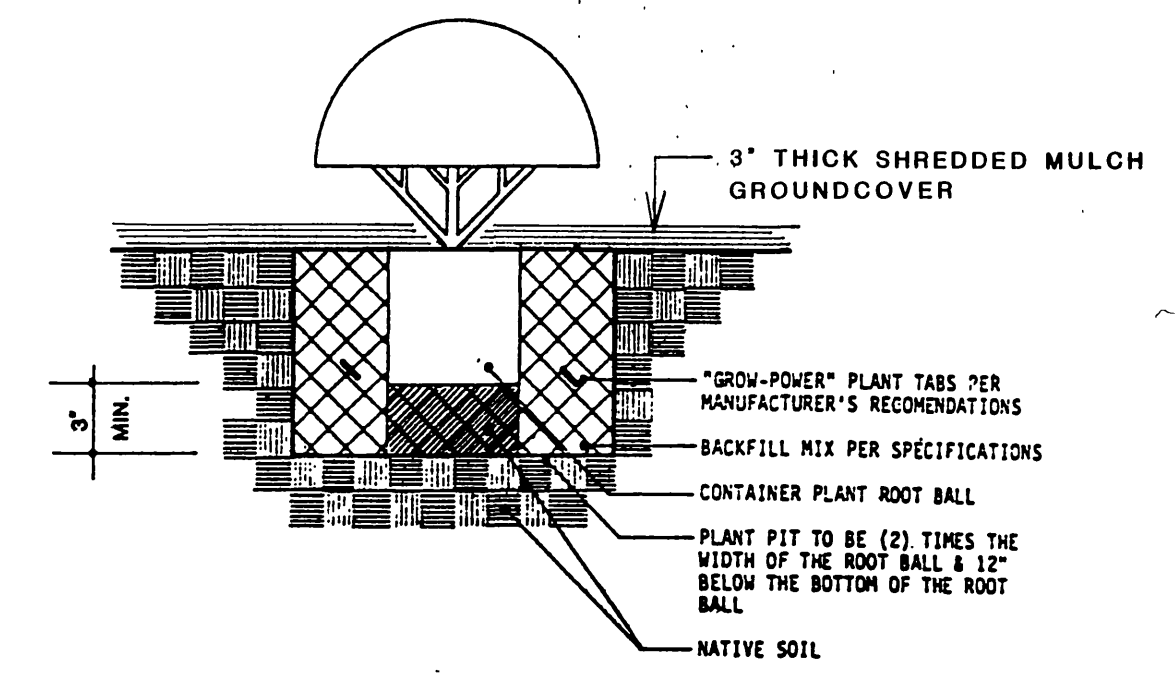
- NOTE**
- STAKES SHALL NOT PIERCE ROOTBALL AND SHALL EXTEND INTO UNDISTURBED SOIL.
 - SEE STANDARD PLANTING DETAIL FOR PLANTING INFORMATION.

C CITY OF RIVERSIDE STANDARD
TREE STAKING DETAIL NO.1002

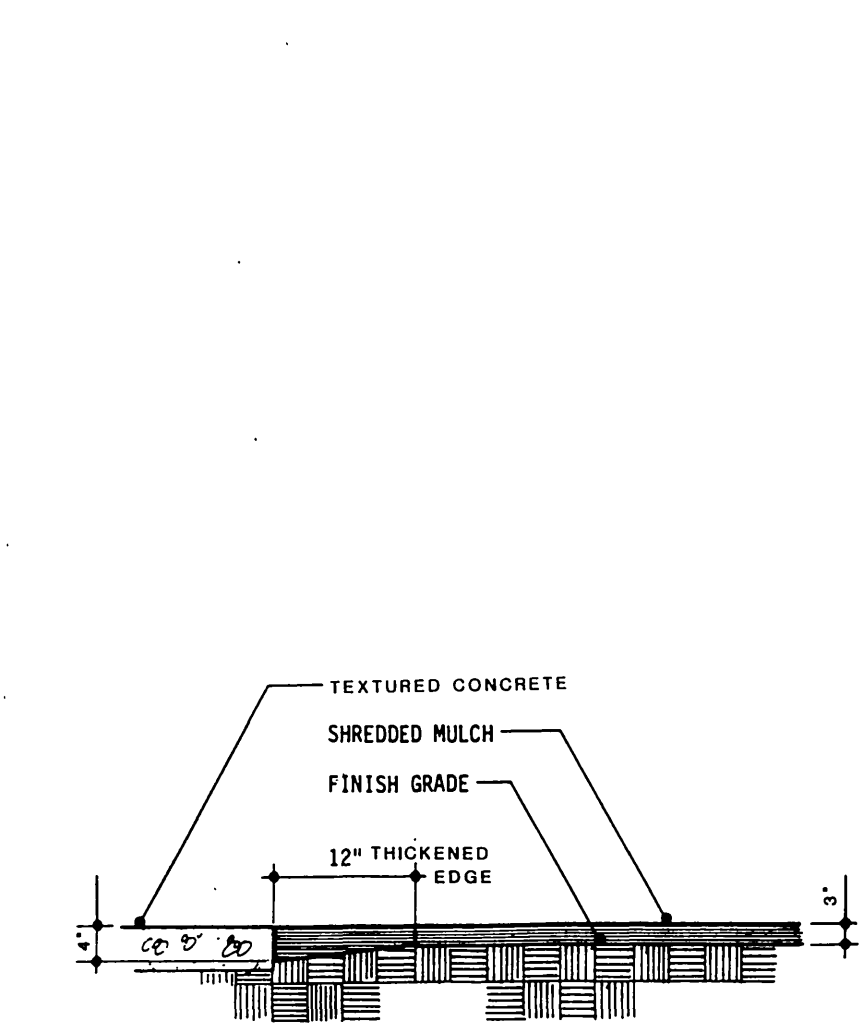


E DOUBLE STAKED TREE IN GROUNDCOVER

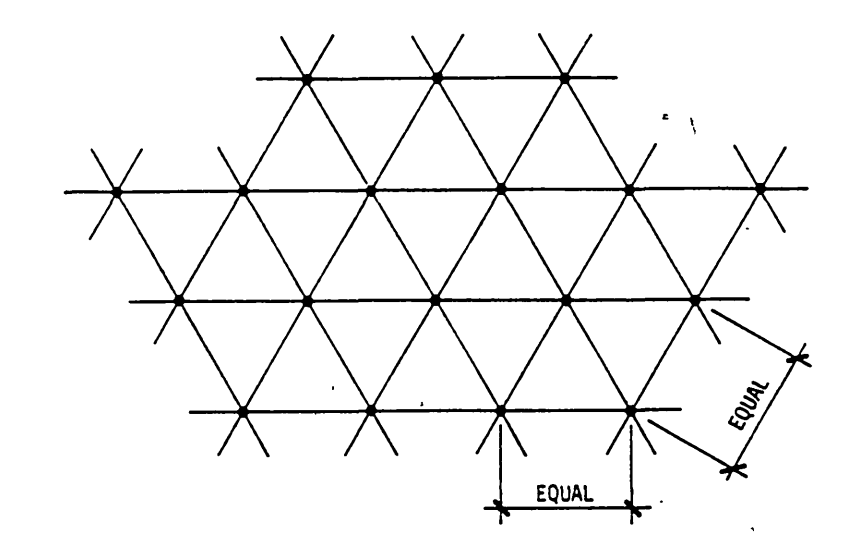
- NOTE:**
- UNTANGLE MATTED ROOTS BY LOOSENING ALL ROOTS AT EDGE OF ROOT BALL WITH WATER FROM HOSE. DO NOT CRACK ROOT BALL.
 - PLACE "GROW-POWER" TABS IN PLANT CONTAINER PRIOR TO PLANTING FOR OBSERVATION PURPOSES.



B CONTAINER PLANTING
MEDIAN PLANTER



F SHREDDED MULCH IN PLANT BED



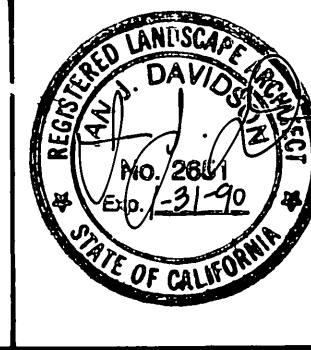
- NOTE:**
- ALL SHRUBS/GROUND COVER TO BE PLANTED AT EQUAL SPACING (TRIANGULAR) UNLESS OTHERWISE INDICATED ON PLANS: SEE LEGEND FOR SPACING REQUIREMENTS.

AS BUILT

A SHRUB & GROUND COVER
SPACING

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REGISTERED CIVIL ENGINEER NO. _____
EXPIRATION DATE _____ DATE: _____
APPROVED BY: _____

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CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 483 RIVERSIDE, CA 92502 (714) 686-0844	11200 SO. MT. VERNON AVE. #D COLTON, CA 92324 (714) 825-1082	73-080 EL PASO, #103 PALM DESERT, CA 92260 (619) 346-5691
---	--	---

AS SHOWN
DATE MAY 1988

MARK	REVISIONS	APPR	DATE

DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	<i>[Signature]</i>	3-23-89	<i>[Signature]</i>
PARK DEPARTMENT	TRAFFIC DIVISION		DIRECTOR OF PUBLIC WORKS
CHIEF P.W. ENGR			DATE 3/23/89

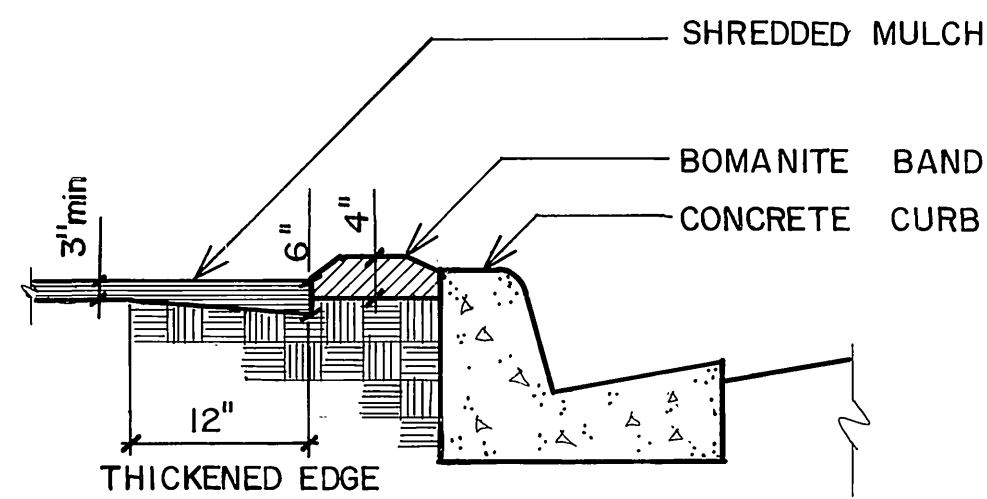
CFD 86-1
PLANTING DETAILS

PROJECT NO. R-2971
SHEET 59 OF 106
FILE NO. 8710058

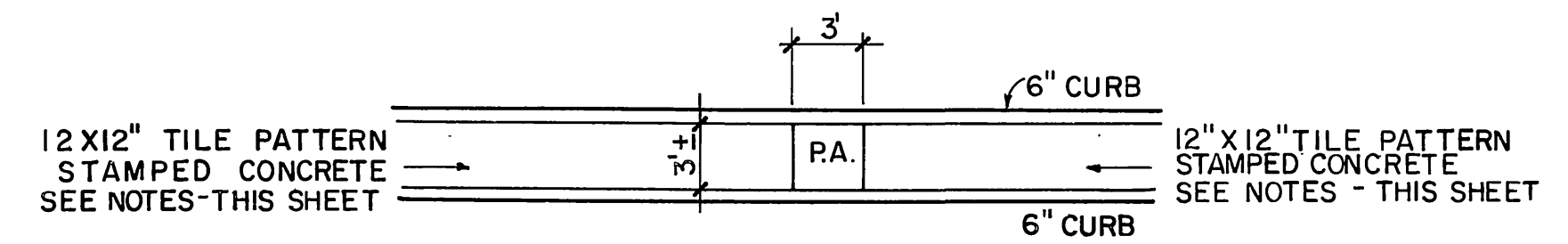
HORIZ SCALE: 1" = 10'
VERT SCALE: 1" = 1'

INDEXED 12-9-92 L4

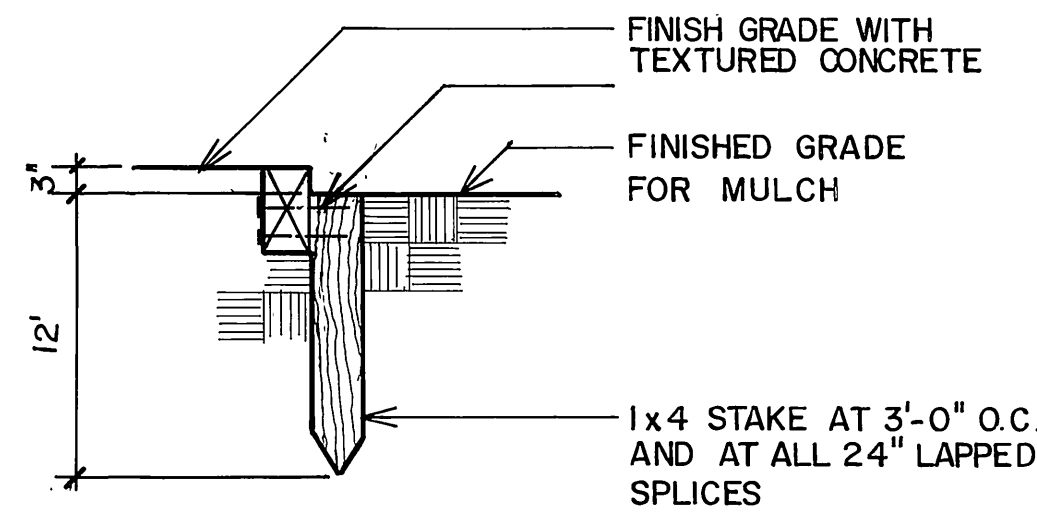
PL 2445



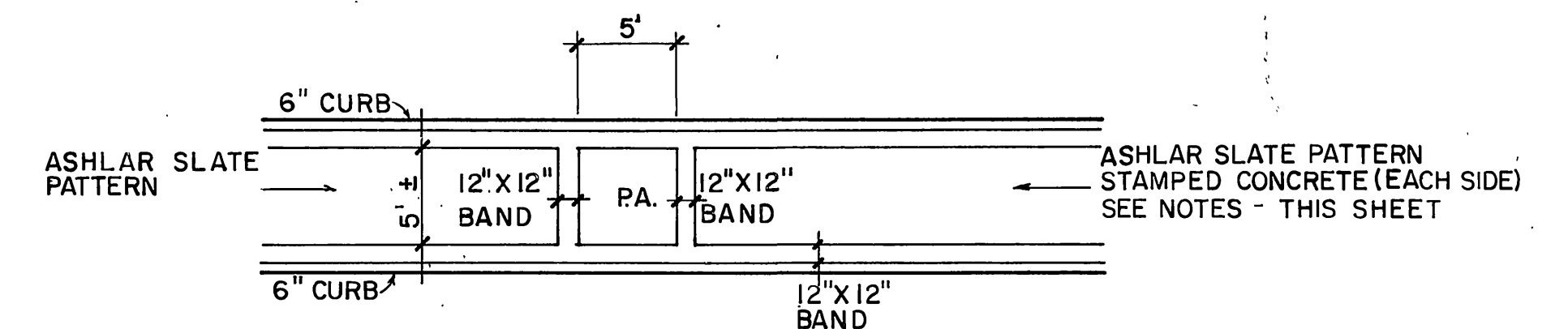
6 TEXTURED CONC. BAND SECTION (TYP)
N.T.S.



4 3'x3' NOSE PLANTER BLOW-UP(TYP)
SCALE 1/8" = 1'-0"



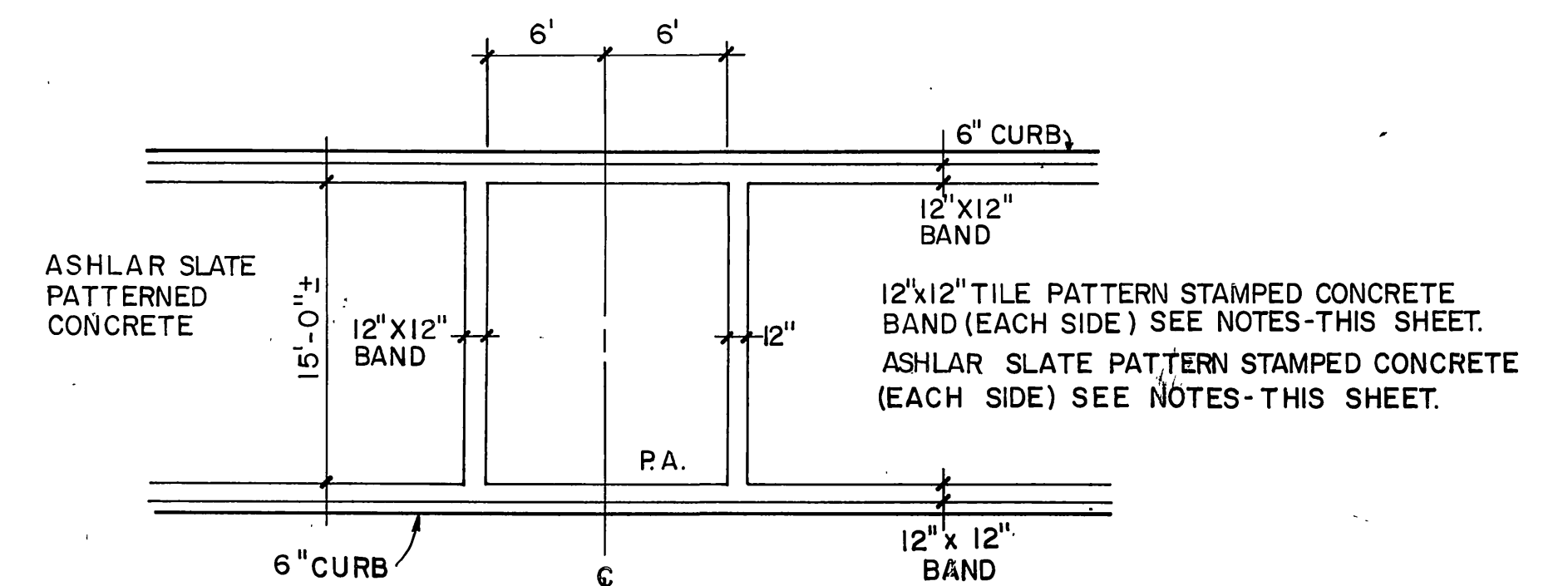
8 REDWOOD HEADERBOARD
N.T.S.



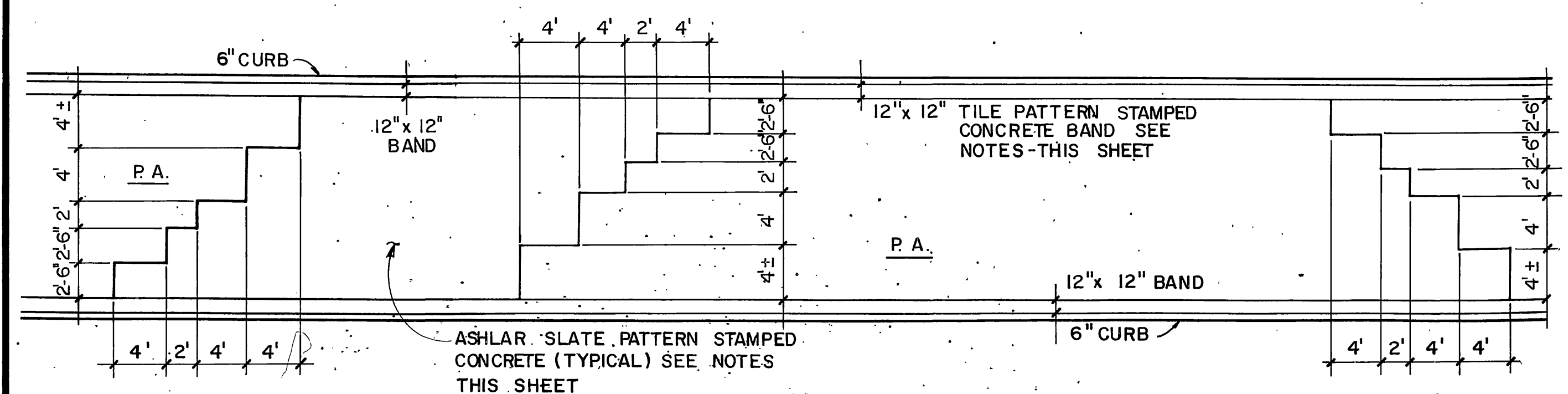
3 5'x5' PLANTER BLOW - UP (TYP)
SCALE 1/8" = 1'-0"

TEXTURED PAVING NOTES

- ISLAND NOSES AND MEDIAN BANDS: 4" THICK SLAB ON GRADE, 4,000 PSI DESIGN MIX. STAMP - LOW PROFILE/LOW WAFFLE BOMANITE 12"x12" TILE PATTERN OR APPROVED EQUAL, REFER TO BULLETIN 309. COLOR - NO. C-22, CORAL RED CHROMIX ADMIXTURE BY L.M. SCOFIELD. TEXTURE - FINE BROOM FINISH, VERTICAL TO STREET.
- STEPPED MEDIAN AREAS: 4" THICK SLAB ON GRADE, 3,000 PSI DESIGN MIX. STAMP - ASHLAR SLATE BOMACRON PATTERN BY BOMANITE, OR AN APPROVED/EQUAL. REFER TO BULLETIN 405. A-50 SLATE GRAY COLOR - NO. C-14, FRENCH GREY CHROMIX ADMIXTURE BY L.M. SCOFIELD. CLEAR SEALER - 2 COATS CEMENTONE CLEAR SEALER BY L.M. SCOFIELD. APPLY PER MANUFACTURER'S INSTRUCTION NO. A-703. TEXTURE - ASHLAR SLATE BOMACRON
- CONTROL JOINTS: BETWEEN BOMANITE BAND AND BOMACRON ASHLAR SLATE PATTERN SHALL BE A COLD JOINT. BETWEEN BOMANITE BAND AND BACK OF CURB SHALL BE A COLD JOINT.
- INSTALLATION PROCESS: BOMANITE TEXTURED PAVING, OR APPROVED EQUAL - REFER TO BULLETIN 308.



2 12'x15' PLANTER BLOW-UP (TYP)
SCALE 1/8" = 1'-0"

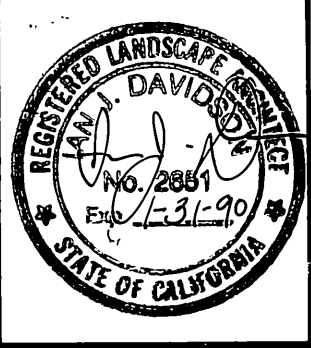


1 STEPPED PLANTER BLOW-UP(TYP)
SCALE 1/8" = 1'-0"

AS BUILT



PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
REGISTERED CIVIL ENGINEER NO. _____ DATE: _____
EXPIRATION DATE: _____ DATE: _____
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-6691

SEE PLAN BENCH MARK:
DATE MAY 1988

MARK	REVISIONS	APPR.	DATE
1	AS BUILT		
DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____			

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: *Barry Bed*
PRINCIPAL ENGINEER BY DATE 3/23/89
TRAFFIC DIVISION 3/23/89
CHIEF P.W. ENGR 3/23/89
DATE 3/23/89

CFD 86-1
CONSTRUCTION ENLARGED PLANS NOTES
PROJECT NO. R-2971
SHEET 60 OF 106
HORIZ. SCALE: 1" = 100'
VERT. SCALE: 1" = 10'
FILE NO. 8710058

MISSING SHEET

MISSING SHEET

MISSING SHEET

MISSING SHEET

MISSING SHEET

MISSING SHEET

MISSING SHEET

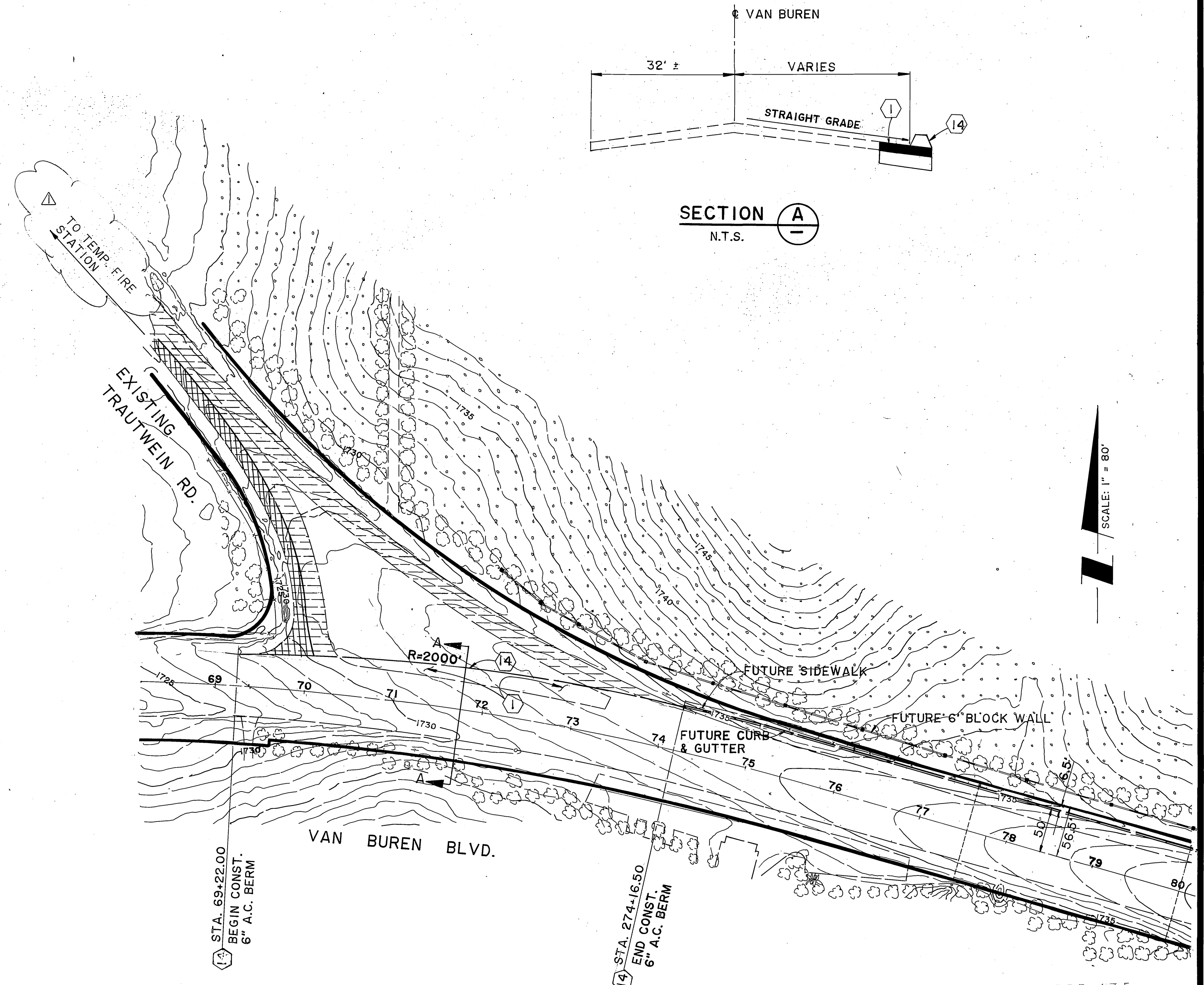
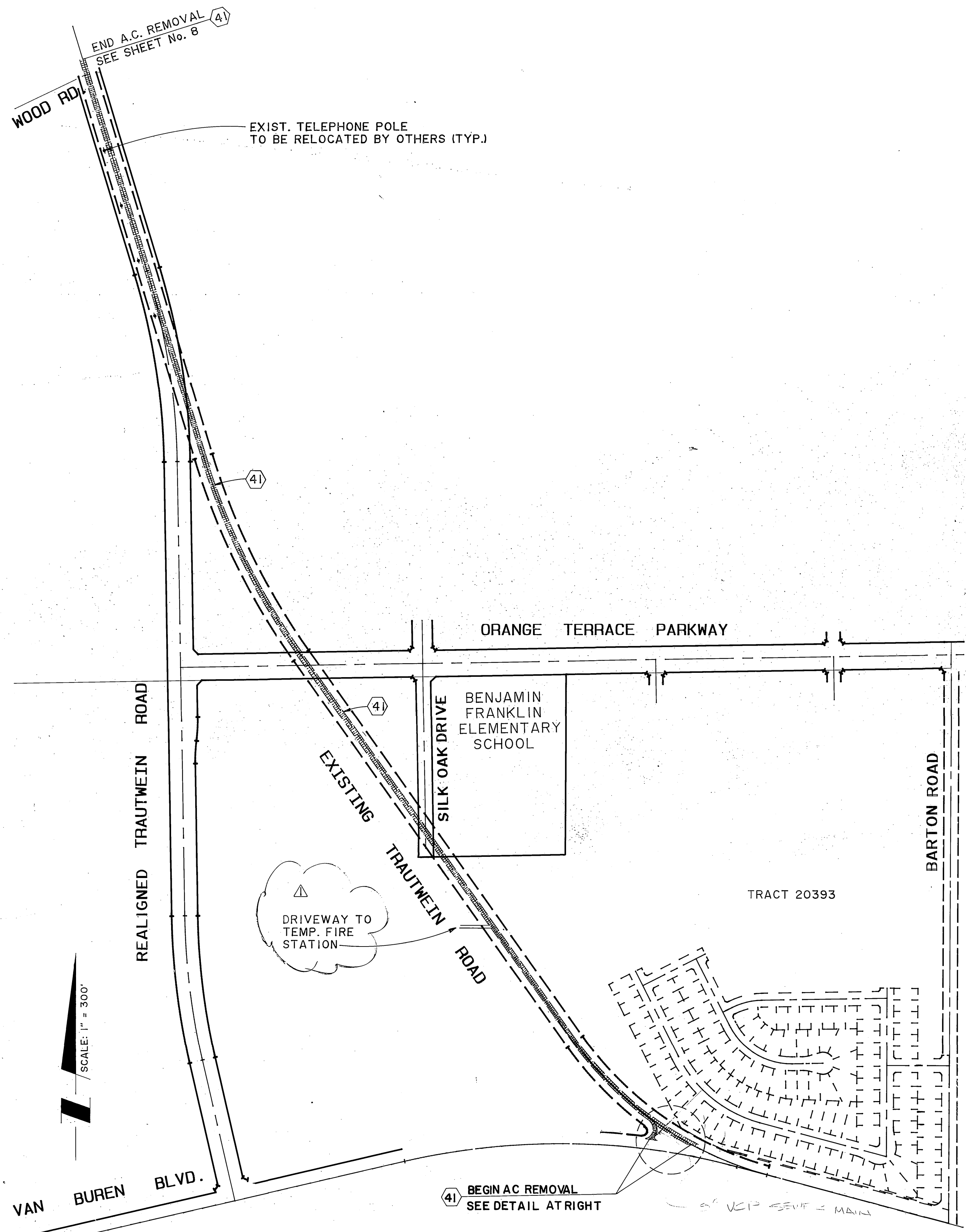
MISSING SHEET

MISSING SHEET

MISSING SHEET

MISSING SHEET

MISSING SHEET



LEGEND

REMOVE EXIST. A.C. PAVEMENT.

PROTECT IN PLACE FOR ACCESS TO TEMPORARY FIRE STATION.

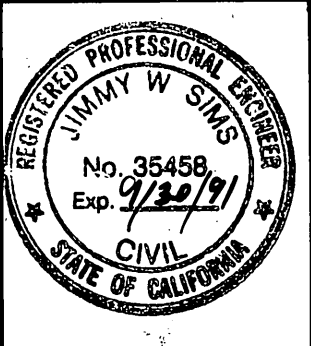
AS BUILT

APPROVED BY: _____
DATE: _____

FILE WITH R.2971

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
Jimmy W. Stanger
REGISTERED CIVIL ENGINEER NO. 35458
EXPIRATION DATE: 9/30/99 DATE: 12/1/99

APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

BENCH MARK:
SEE SHEET I

AS-BUILT.	REVISIONS	APPR.	DATE
DESIGNED BY E.F.	DRAWN BY C.M.M.	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____ BY: *Barry Beck* DATE: 3/23/99
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR.

CFD 86-1-3
DEMOLITION PLAN
(EXISTING TRAUTWEIN ROAD)

PROJECT NO. _____
SHEET **73** OF **106**
FILE NO. 87-10058

HORIZ. SCALE: 1" = _____ VERT. SCALE: 1" = _____

INDEXED 12-9-92 4H 9585

GRADING NOTES

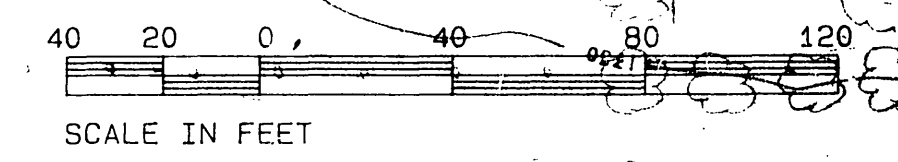
- ALL GRADING SHALL CONFORM TO CHAPTER 70 OF THE CURRENT CITY ADOPTED EDITION OF THE UNIFORM BUILDING CODE.
- ALL PROVISIONS OF THE PRELIMINARY SOILS REPORT PREPARED BY ARAGON GEOTECHNICAL CONSULTANTS, INC. DATED DECEMBER 15, 1987 SHALL BE COMPLIED WITH DURING GRADING OPERATIONS.
- THIS PLAN IS FOR GRADING PURPOSES ONLY. ISSUANCE OF A PERMIT BASED ON THIS PLAN DOES NOT CONSTITUTE APPROVAL OF DRIVEWAY LOCATIONS, OR SIZES, PARKING LOT STRUCTURAL SECTIONS OR LAYOUT, BUILDING LOCATIONS, OFF-SITE DRAINAGE FACILITIES OR OTHER ITEMS NOT RELATED DIRECTLY TO THE BASIC GRADING OPERATION.
- CERTIFICATION FROM THE DESIGNATED ENGINEER OF WORK STATING THAT THE GRADING HAS BEEN COMPLETED PER THE APPROVED PLAN, AND A COMPACTION REPORT FROM THE SOIL ENGINEER ON ANY FILL AREAS, ARE REQUIRED PRIOR TO BUILDING PERMITS BEING ISSUED.
- CONTRACTOR IS RESPONSIBLE FOR EROSION, DUST AND TEMPORARY DRAINAGE CONTROL DURING GRADING OPERATIONS.
- ANY IMPROVEMENTS CONSTRUCTED IN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE A SEPARATE CONSTRUCTION PERMIT AND INSPECTION FROM THE PUBLIC WORKS DEPARTMENT.
- ANY WALLS, FENCES, STRUCTURES AND/OR APPURTENANCES ADJACENT TO THIS PROJECT ARE TO BE PROTECTED IN PLACE. IF GRADING OPERATIONS DAMAGE OR ADVERSELY AFFECT SAID ITEMS IN ANY WAY, THE CONTRACTOR IS RESPONSIBLE FOR WORKING OUT AN ACCEPTABLE SOLUTION TO THE SATISFACTION OF THE AFFECTED PROPERTY OWNER.
- IT IS THE GRADING CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ADEQUATE PROTECTION HAS BEEN OBTAINED ON THE ENTIRE GRADING SITE, INCLUDING FILL AREAS OUTSIDE THE BUILDING PADS AND ON ALL FILL SLOPES.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT AND MAKE NECESSARY ARRANGEMENTS WITH THE APPROPRIATE UTILITY COMPANIES PRIOR TO THE BEGINNING OF CONSTRUCTION.
- EXISTING STRUCTURES, TREES, ETC., CONFLICTING WITH CONSTRUCTION TO BE PROTECTED IN PLACE, RELOCATED OR REMOVED AT THE DIRECTION OF THE ENGINEER.
- LOCATION OF SUBSTRUCTURES AS SHOWN ON PLANS ARE SHOWN FROM THE BEST AVAILABLE INFORMATION. HOWEVER SUCH LOCATIONS AS SHOWN OR FAILURE TO SHOW EXISTING STRUCTURES SHALL NOT RELIEVE THE CONTRACTORS FROM RESPONSIBILITY OF VERIFYING THE LOCATION OF AND PROTECTING ALL STRUCTURES ENCOUNTERED.
- ALL SLOPES SHOWN ARE A MAXIMUM CUT OR FILL OF 2:1 UNLESS OTHERWISE NOTED ON PLAN.
- HYDROSEED ALL SLOPES OVER 5' IN HEIGHT INCLUDING OFF-SITE SLOPES CREATED IN CONJUNCTION WITH GRADING OF STREETS FOR INTERIM EROSION CONTROL.

CONSTRUCTION LIMITS

TEMPORARY LIMIT OF CONSTRUCTION

EXIST. TRAUTWEIN TO BE DEMOLISHED PER SHEET No. 73

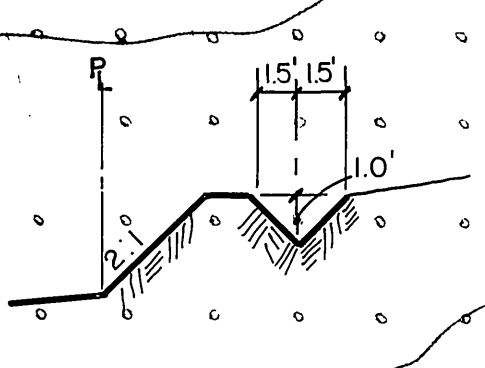
AS BUILT APPROVED DATE



EARTHWORK ESTIMATE

CUT 63,000 CY
 FILL 30,000 CY
 EXPORT 33,000 CY
 NOTE: CONTRACTOR TO VERIFY EARTHWORK ESTIMATE FOR PROPOSAL.

SECTION A-A



SEE STREET IMPROVEMENT PLANS FOR SILK OAK DRIVE (SHEET No. 21)

SEE STREET IMPROVEMENT PLANS FOR ORANGE TERRACE PARKWAY, SHEET No. 10

STA. 10+00.00
 @ ORANGE TERRACE PARKWAY
 STA. 8+39.79
 @ SILK OAK DRIVE

Underground Service Alert
 Call: TOLL FREE
1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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PROFESSIONAL ENGINEER
 No. 35458
 Exp. 9/20/91
 CIVIL
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
William V. Davidson
 REGISTERED CIVIL ENGINEER NO. 35458
 EXPIRATION DATE 9-30-91 DATE: 10/14/88

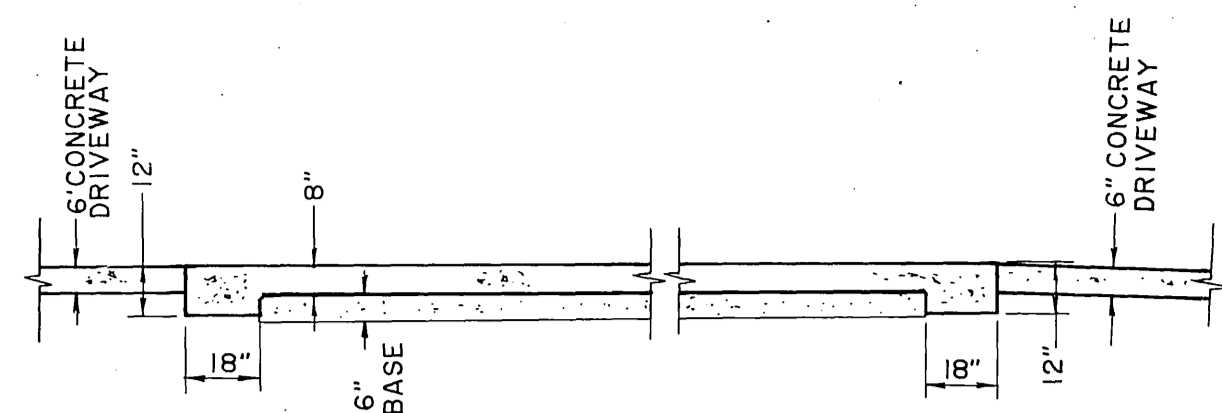
J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73980 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 696-0844 (714) 825-1082 (619) 346-5681

J.F.D. ASSOCIATES
 REV'D ROUGH GRADING SOUTH OF BLDG.
 PADS REV. EARTHWORK ESTIMATE, N.M.
 REVISIONS
 DESIGNED BY: D.E. DRAWN BY: D.J.D. CHECKED BY:

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *[Signature]* DATE: 3/23/89
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR.
 DATE: 3/23/89

CFD 86-1
 BENJAMIN FRANKLIN ELEMENTARY SCHOOL
ROUGH GRADING PLAN
 WOLFF LANG CHRISTOPHER ARCH.

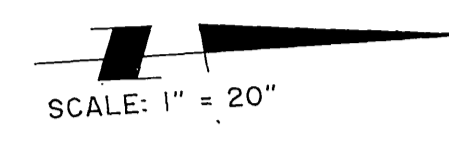
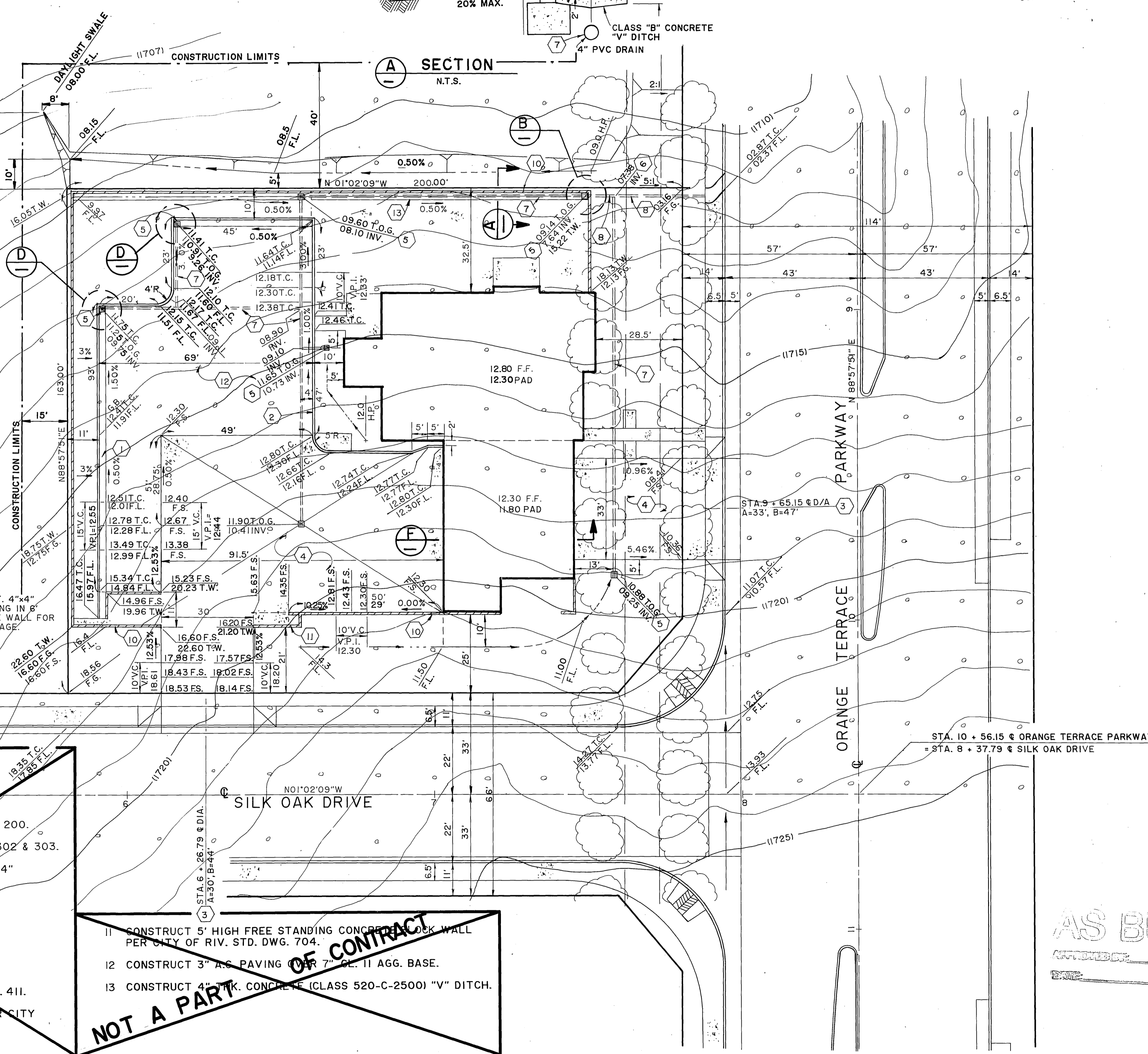
PROJECT NO. **R-2971**
 SHEET **74** OF **106**
 FILE NO. 8710058 (M)



F SECTION
N.T.S.

GRADING NOTES

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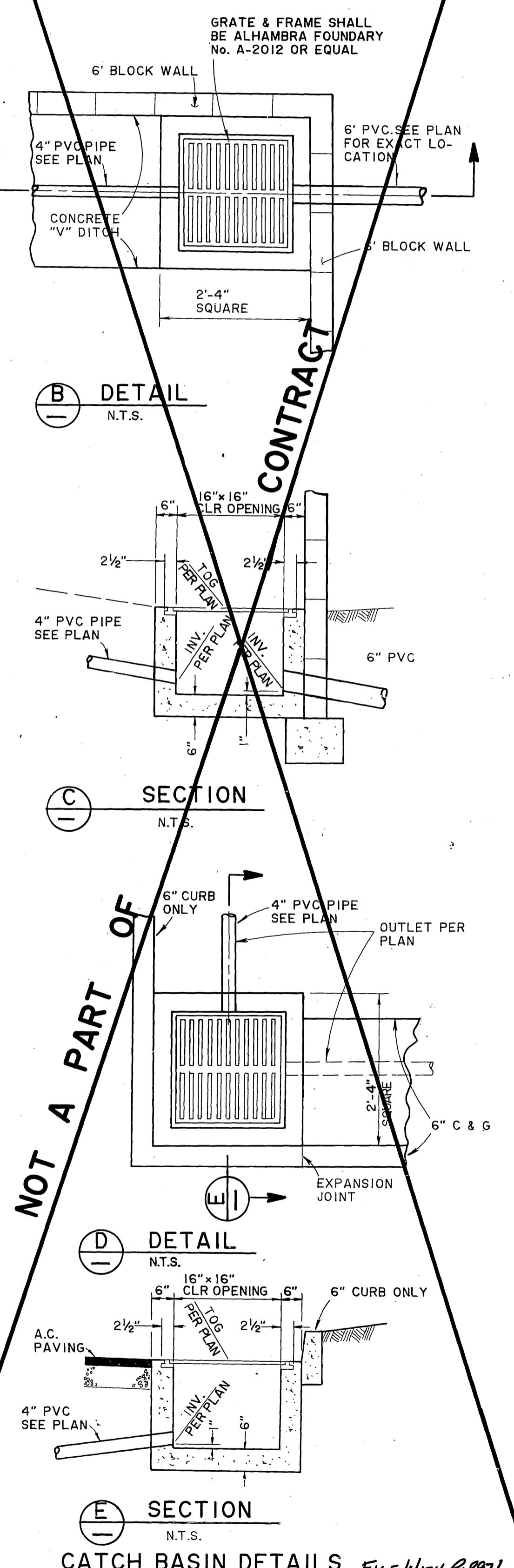
CONSTRUCTION NOTES

- CONSTRUCT 6" (TYPE II) C&G PER CITY OF RIV. STD. DWG. 200.
- CONSTRUCT 6" (TYPE II) CURB ONLY PER CITY OF RIV. STD. DWG. 200.
- CONSTRUCT DRIVEWAY APPROACH PER CITY OF RIV. STD. DWG. 302 & 303.
- CONSTRUCT 6" CONCRETE DRIVEWAY (CLASS 520-A-2500) OVER 4" CL. II AGG. BASE (WITH 10x10x6 W/M).
- CONSTRUCT CATCH BASIN PER DETAIL RIGHT.
- INSTALL CLEANOUT BOX PER CITY OF RIV. STD. DWG. 425.
- INSTALL 4" DIA. SCHEDULE 80 PVC DRAIN PIPE.
- INSTALL 6" DIA. SCHEDULE 80 PVC DRAIN PIPE.
- CONSTRUCT UNDER SIDEWALK DRAIN PER CITY OF RIV. STD. DWG. 411.
- CONSTRUCT 6" HIGH FREE STANDING CONCRETE BLOCK WALL PER CITY OF RIV. STD. DWG. 704.

11 CONSTRUCT 5' HIGH FREE STANDING CONCRETE BLOCK WALL PER CITY OF RIV. STD. DWG. 704.

12 CONSTRUCT 3" A.C. PAVING OVER 7" CL. II AGG. BASE.

13 CONSTRUCT 4" THK. CONCRETE (CLASS 520-C-2500) "V" DITCH.



CATCH BASIN DETAILS File With R-2971

Underground Service Alert
Call TOLL FREE
1-800-422-4133

PRIVATE ENGINEERING NOTE
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PREPARED UNDER THE DIRECTION OF:
Jimmy W. Brown
REGISTERED CIVIL ENGINEER NO. 35458
EXPIRATION DATE 9/30/91 DATE *4/1/88*

APPROVED BY:
[Signature]

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: 1" = 20"
BENCH MARK: SEE SHEET I
DATE: OCT. 1987

J.F.D. ASSOCIATES

MARK: _____ REVISIONS: _____ APPR. DATE: _____

DESIGNED BY: E.F. DRAWN BY: C.M./R.H. CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

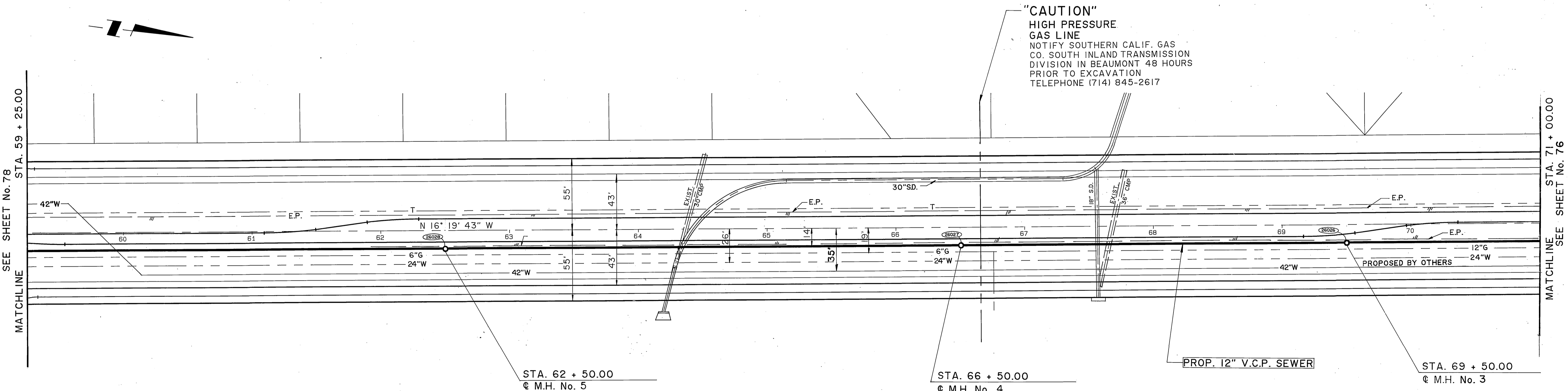
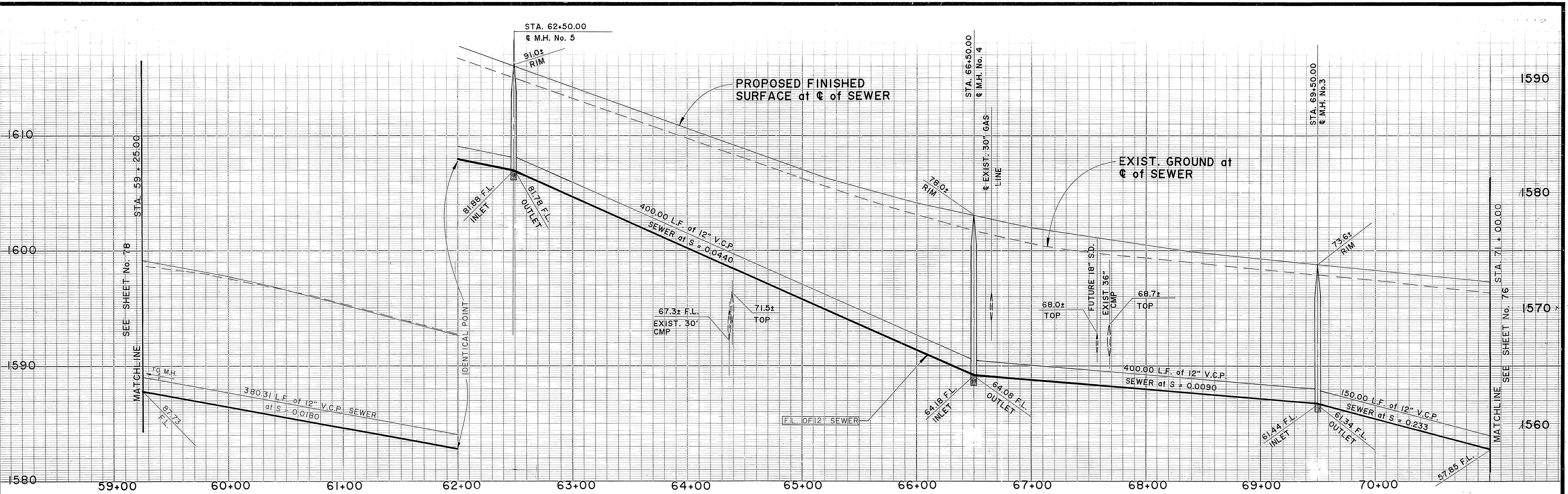
APPROVED BY: *[Signature]* DATE: 12-23-89
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CHIEF P.W. ENGR.

APPROVED BY: *[Signature]* DATE: 3/23/89
DIRECTOR OF PUBLIC WORKS

CFD 86-1
FIRE STATION
ROUGH GRADING PLAN

PROJECT NO. R-2971
SHEET 75 OF 106
FILE NO. 8710058

INDEXED 12-9-92 LHM

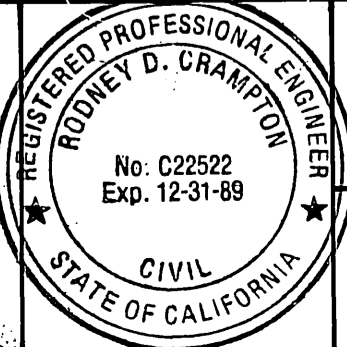


TRAUTWEIN ROAD

AS BUILT
 APPROVED BY: _____
 DATE: _____

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
Rodney D. Cranston
 REGISTERED CIVIL ENGINEER NO. 22522
 EXPIRATION DATE 12/31/89 DATE 2-22-88
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92280
 (714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE	BENCH MARK
DATE JUN 1988	SEE SHEET No. 1

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

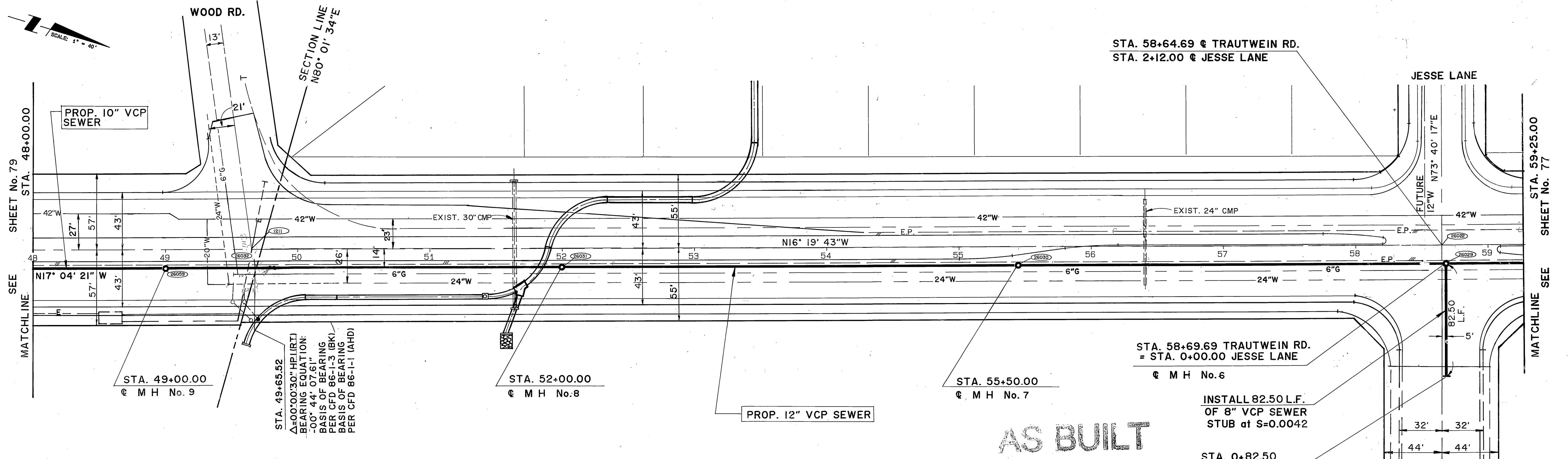
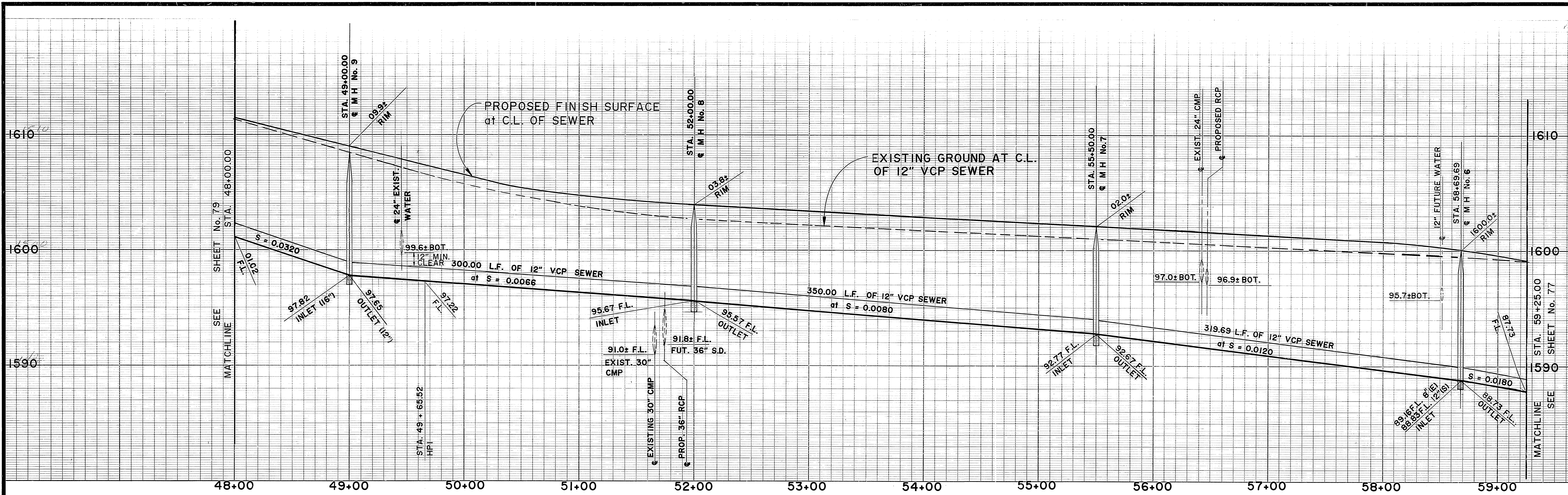
APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	<i>[Signature]</i>	12-23-88	<i>[Signature]</i>
PARK DEPARTMENT			DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION			
CHIEF P.W. ENGR.		3-22-89	

CFD 86-1-3
SEWER IMPROVEMENT PLANS
TRAUTWEIN ROAD
 12" SEWER LINE

STA. 59 + 25.00 TO STA. 71 + 00.00
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. **R-2971**
 SHEET **77** OF **106**
 FILE NO. 8710058

INDEXED 12-9-92 LTH



TRAUTWEIN ROAD

AS BUILT
 APPROVED BY: _____
 DATE: _____

STA. 58+64.69 @ TRAUTWEIN RD.
 STA. 2+12.00 @ JESSE LANE

STA. 58+69.69 TRAUTWEIN RD.
 = STA. 0+00.00 JESSE LANE

INSTALL 82.50 L.F.
 OF 8" VCP SEWER
 STUB at S=0.0042

STA. 0+82.50
 END 8" STUB PLUG
 WITH CLAY DISK
 F.L. = 1589.51

Underground Service Alert
 Call: TOLL FREE
 1-800
 422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

RODNEY D. GRANOFF
 No. C22532
 Exp. 12-31-89
 CIVIL
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
Rodney D. Granoff
 REGISTERED CIVIL ENGINEER NO. 22532
 EXPIRATION DATE 12/31/89 DATE: 9-12-88

APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: _____ BENCH MARK: _____
 DATE: JUN 1988 SEE SHEET No. 1

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: RDC DRAWN BY: CB CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

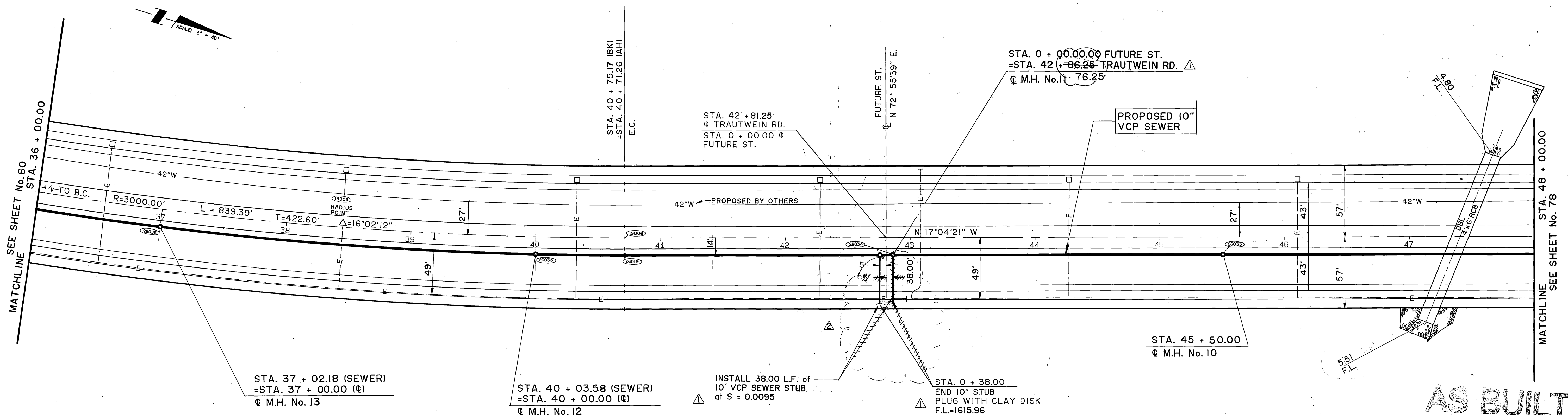
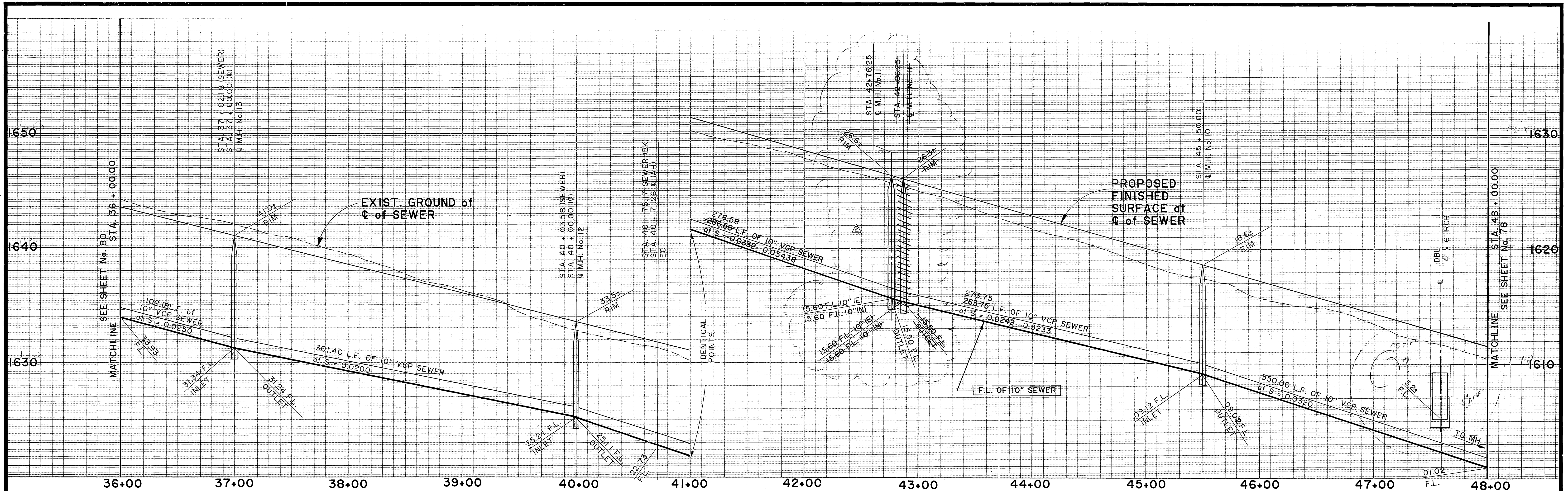
APPROVED BY: _____ BY: _____ DATE: 12-23-87
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR. DATE: 3/23/89

CFD 86-1-3
SEWER IMPROVEMENT PLANS
TRAUTWEIN ROAD
 10" SEWER LINE
 STA. 48+00.00 TO STA. 59+25.00

PROJECT NO. **R-2971**
 SHEET **78** OF **106**
 FILE NO. 8710058

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

INDEXED 12-9-92 JFH 117 5

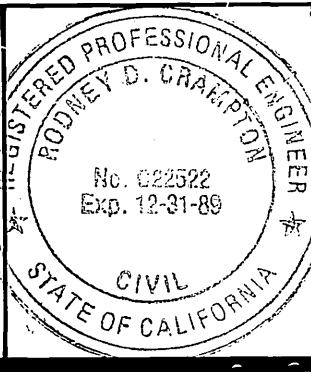


TRAUTWEIN ROAD

AS BUILT
 APPROVED BY: _____
 DATE: _____

Underground Service Alert
 Call: TOLL FREE
 1-800
 422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
Rodney D. Crawford
 REGISTERED CIVIL ENGINEER No. 22522
 EXPIRATION DATE 12/31/89 DATE: 2-12-88
 APPROVED BY: _____

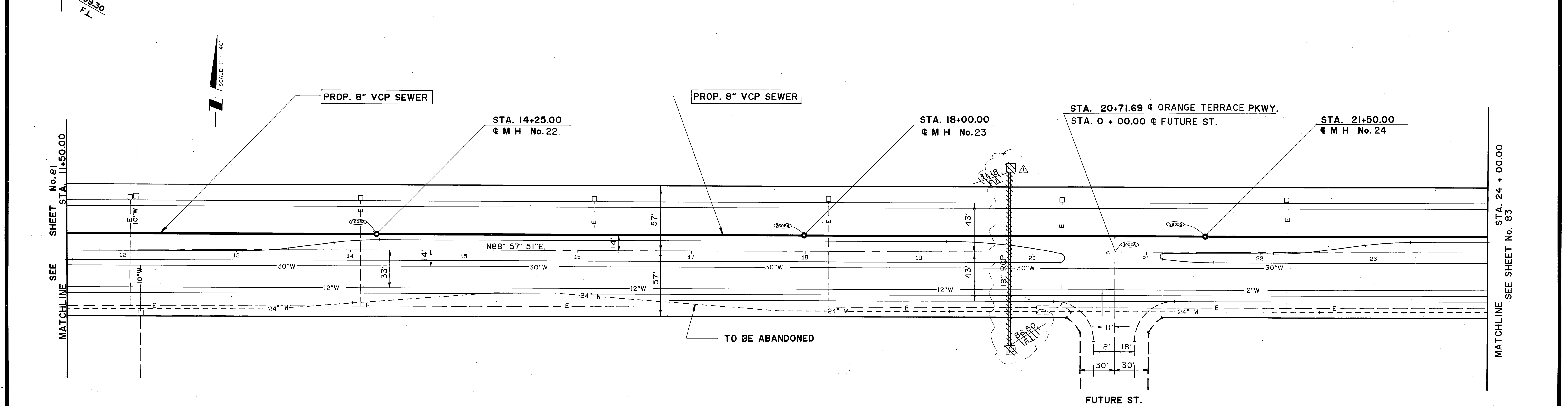
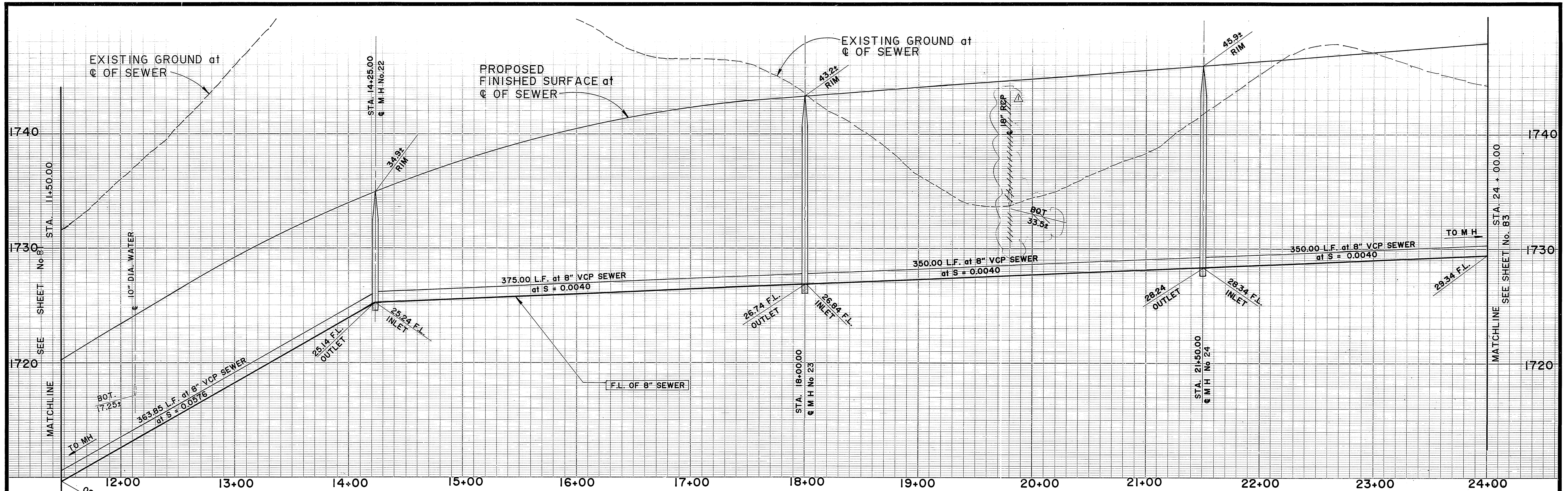
J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691
 SCALE: _____ BENCH MARK: _____
 DATE: JUN 1988 SEE SHEET No. 1

DESIGNED BY	RDC	DRAWN BY	R.H.	CHECKED BY	
APPROVED BY		DATE			

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR.
 DATE: 3/23/89

CFD 86-1-3
SEWER IMPROVEMENT PLANS
TRAUTWEIN ROAD
 10" SEWER LINE
 STA. 36+00.00 TO STA. 48+00.00
 PROJECT NO. **R-2971**
 SHEET **79** OF **106**
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 FILE NO. 8710058

INDEXED 12-2-92/17 4



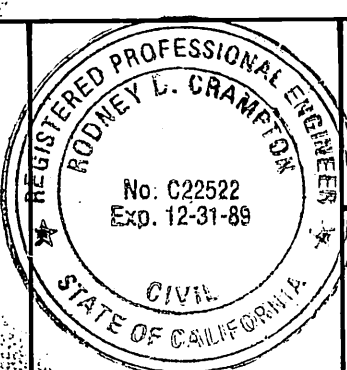
ORANGE TERRACE PARKWAY

AS BUILT

APPROVED BY: _____
DATE: _____

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
Bobby D. Clampton
REGISTERED CIVIL ENGINEER No. 22522
EXPIRATION DATE 12/31/89 DATE: 9-12-88
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 78-080 EL PASO, #103
(714) 886-0844 (714) 825-1082 (714) 825-1082 (714) 825-1082 (619) 346-5691

SCALE: _____ BENCH MARK: _____
DATE: JUN 1988 SEE SHEET No. 1

AS BUILT	REVISIONS	APPR.	DATE
DESIGNED BY: RDC	DRAWN BY: C.B.	CHECKED BY: _____	DATE: 3/23/89

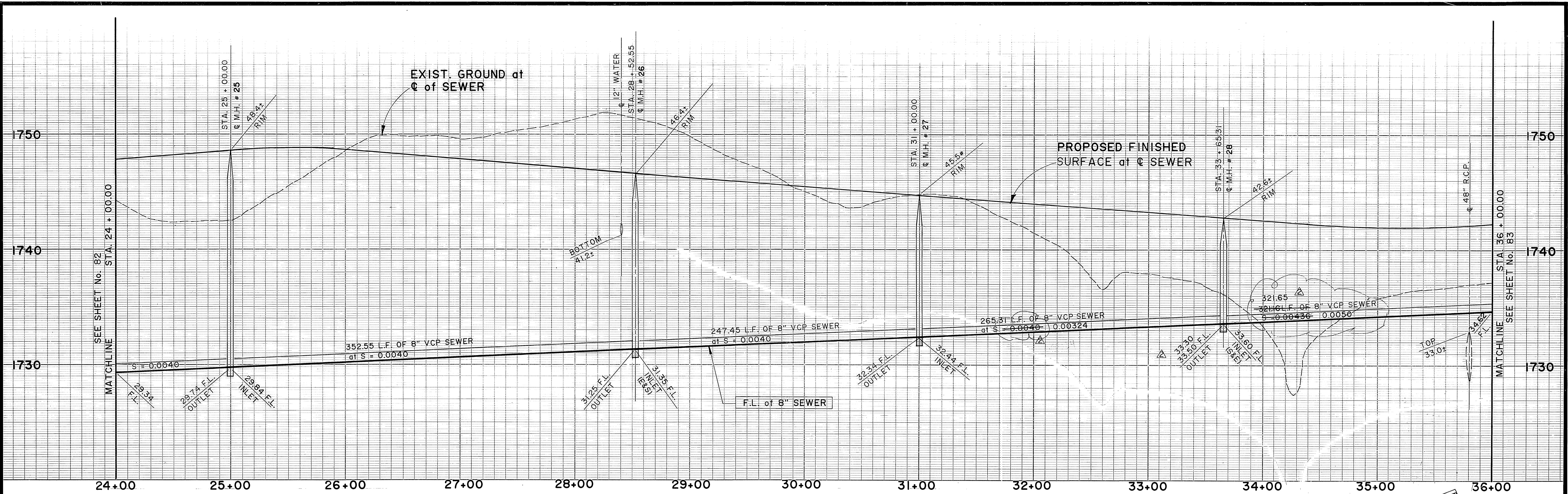
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *Barry Beal*
TRAFFIC DIVISION
CHIEF P.W. ENGR.
DATE: 3/23/89

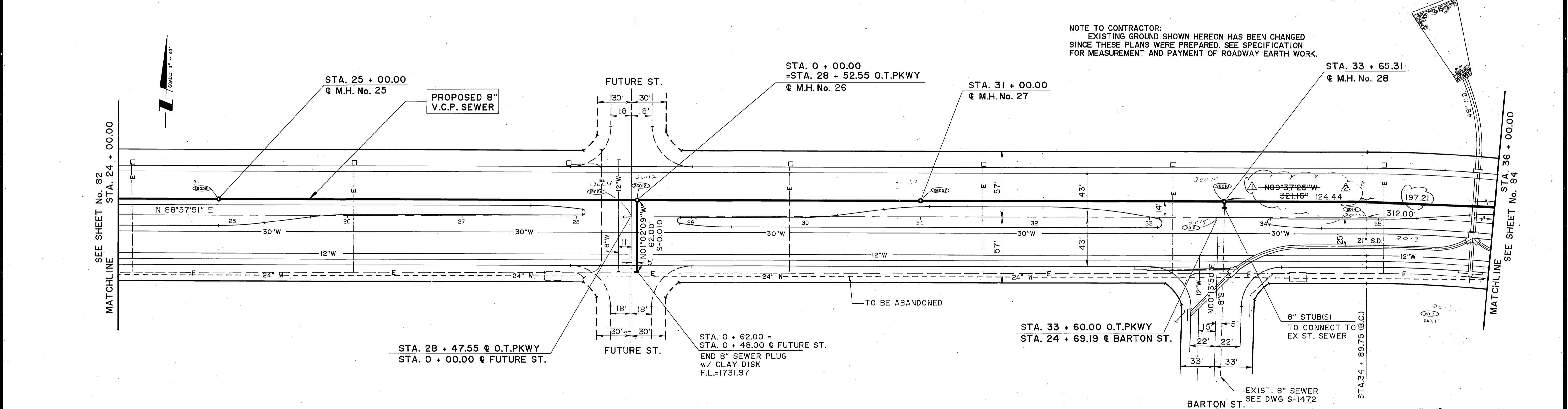
CFD 86-1-3
SEWER IMPROVEMENT PLANS
ORANGE TERRACE PKWY
8" SEWER LINE
STA. 11+50.00 TO STA. 24+00.00

PROJECT NO. **R-2971**
SHEET **82** OF **106**
FILE NO. **8710058**

C. J. INDEXED 12-9-88



NOTE TO CONTRACTOR:
 EXISTING GROUND SHOWN HEREON HAS BEEN CHANGED
 SINCE THESE PLANS WERE PREPARED. SEE SPECIFICATION
 FOR MEASUREMENT AND PAYMENT OF ROADWAY EARTH WORK.

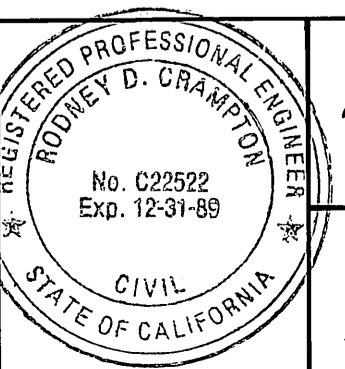


ORANGE TERRACE PARKWAY

AS BUILT
 APPROVED BY: _____
 DATE: _____

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
 REGISTERED CIVIL ENGINEER NO. 22522
 EXPIRATION DATE 12/31/89 DATE: 2-12-88

APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92524 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE: _____ BENCH MARK: _____
 DATE: JUN 1988 SEE SHEET No. 1

DESIGNED BY: RDC	DRAWN BY: R.H.	CHECKED BY: _____
AS-BUILT REVISE ALIGNMENT. MARK REVISIONS APPR. DATE: 3/23/89		

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR.

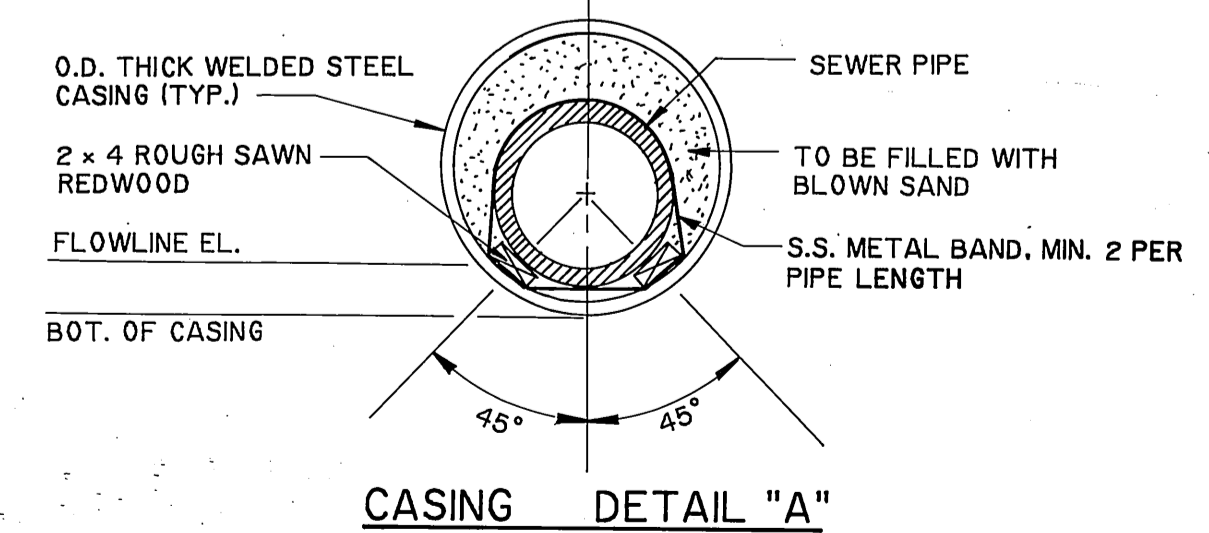
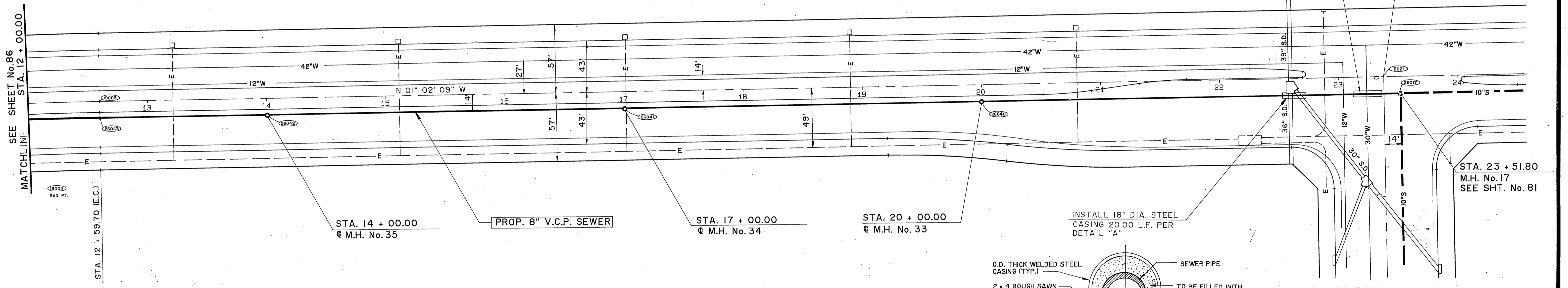
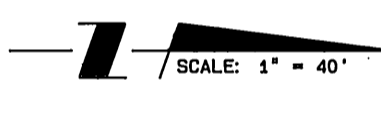
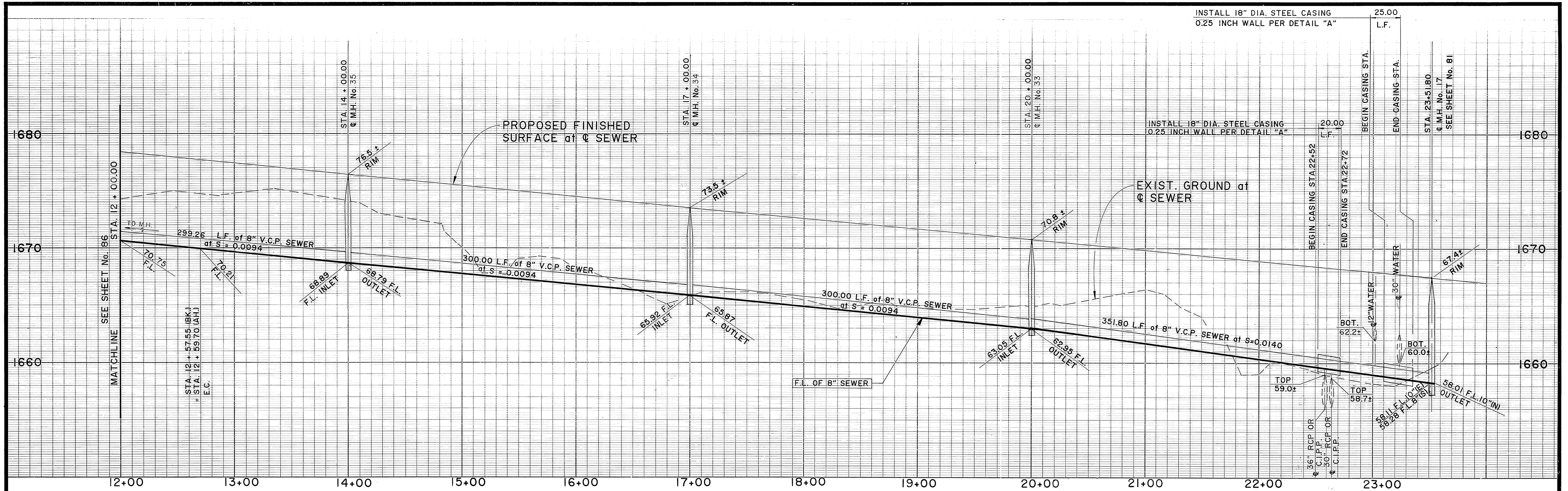
DATE: 3/23/89

CFD 86-1-3
SEWER IMPROVEMENT PLANS
ORANGE TERRACE PKWAY
 8" SEWER LINE
 STA. 24+00.00 TO STA. 36+00.00

PROJECT NO. R-2971
 SHEET 83 OF 106
 FILE NO. 8710058

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

INDEXED 12-9-88 LKH

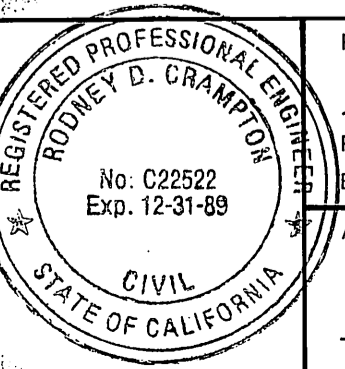


TRAUTWEIN ROAD

AS BUILT
APPROVED BY: _____
DATE: _____

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampin
REGISTERED CIVIL ENGINEER NO. 22522
EXPIRATION DATE 12/31/89 DATE: 9-12-88
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, TX 75103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (619) 346-5691

SCALE	BENCH MARK
DATE	SEE SHEET No. 1
JUN 1988	

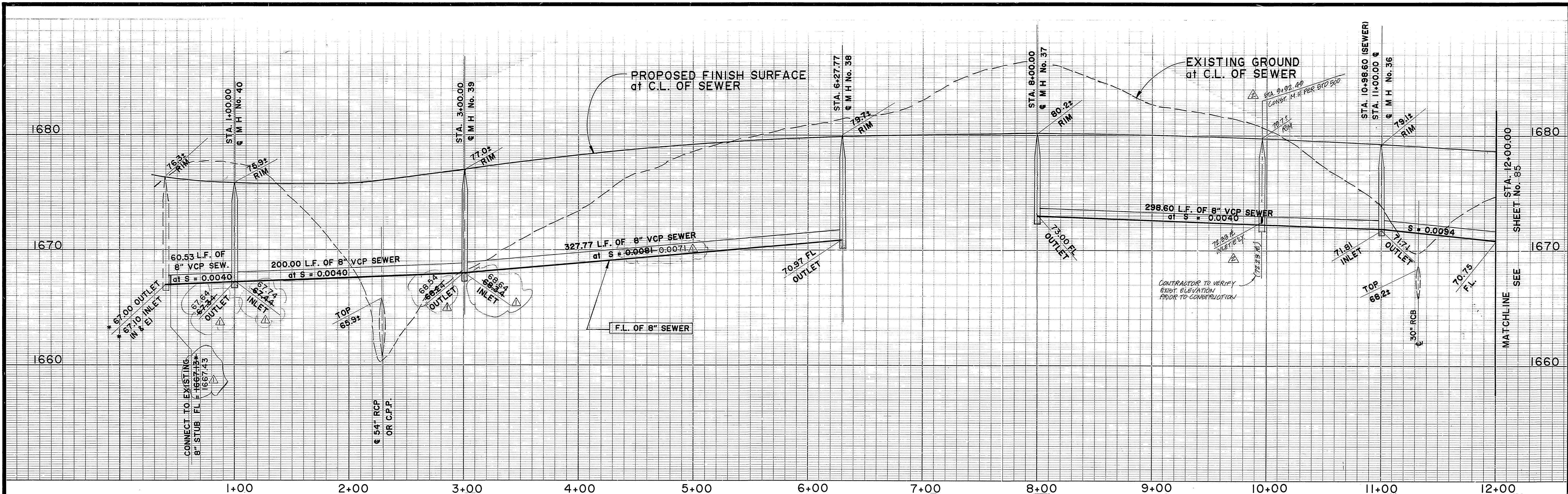
CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY	BY DATE	APPROVED BY
PRINCIPAL ENGINEER	<i>[Signature]</i> 12-23-87	<i>[Signature]</i>
PARK DEPARTMENT		DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION		
CHIEF P.W. ENGR.		DATE 3/23/89

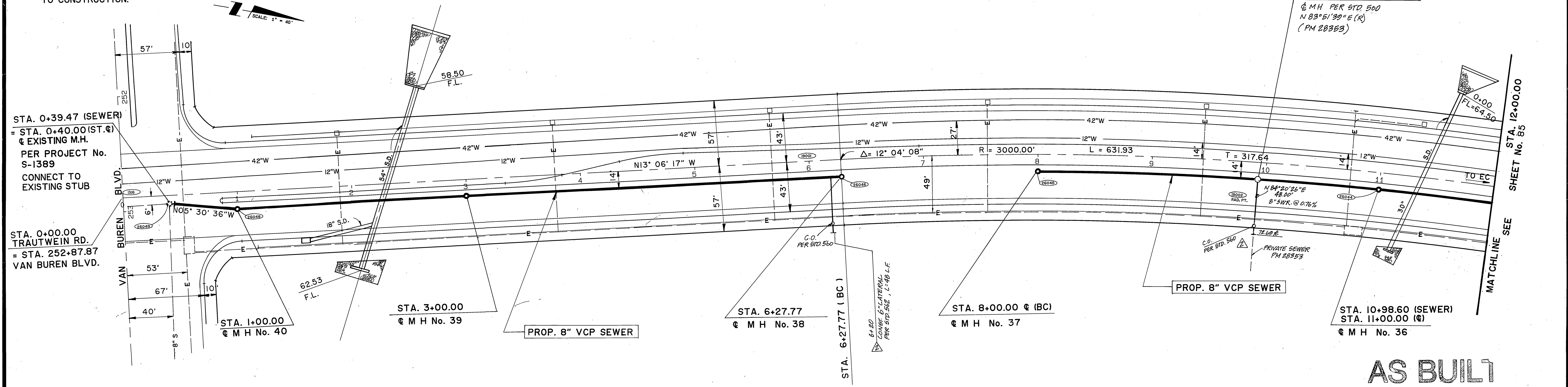
CFD 86-1-3
SEWER IMPROVEMENT PLANS
TRAUTWEIN ROAD
8" SEWER LINE
STA. 12+00.00 TO STA. 23+51.80

PROJECT NO.
R-2971
SHEET **85** OF **106**
FILE NO. 8710058

INDEXED 12-9-92 left
TRAUTWEIN SEWER SHT



* CONTRACTOR TO VERIFY F.L. OF EXISTING SEWER PRIOR TO CONSTRUCTION.



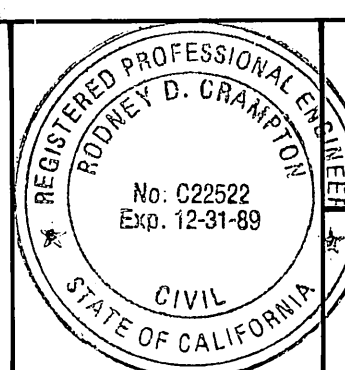
TRAUTWEIN ROAD

AS BUILT

APPROVED BY: _____
DATE: _____

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
Rodney D. Clampton
REGISTERED CIVIL ENGINEER NO. 22522
EXPIRATION DATE: 12/31/89 DATE: 9-12-88
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-086 EL PASO, #103
RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
(714) 686-0844 (714) 825-1082 (819) 346-6691

SCALE: _____ BENCH MARK: _____
DATE: JUN 1988 SEE SHEET No. 1

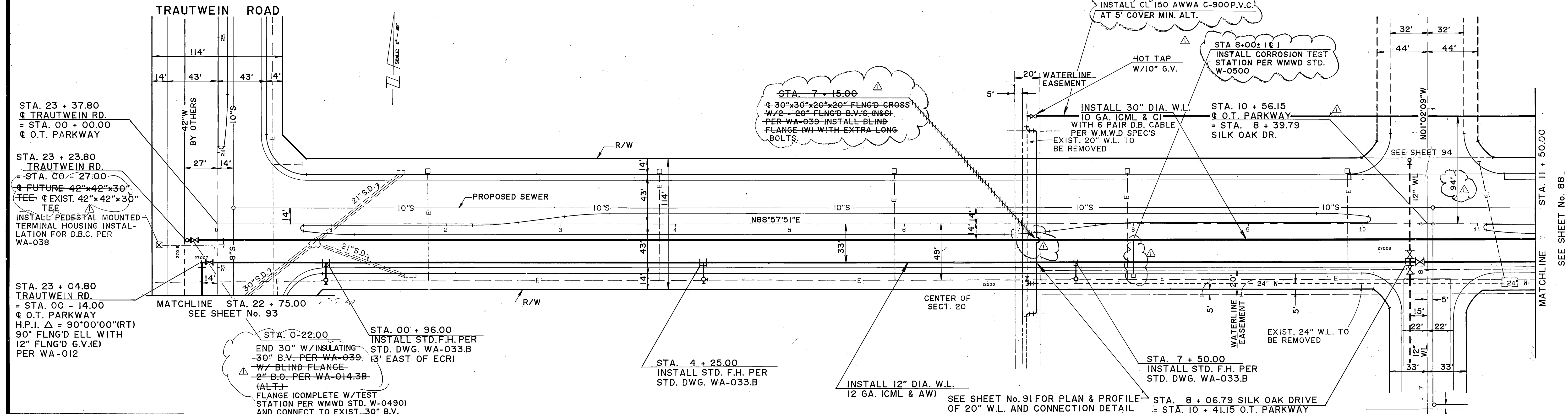
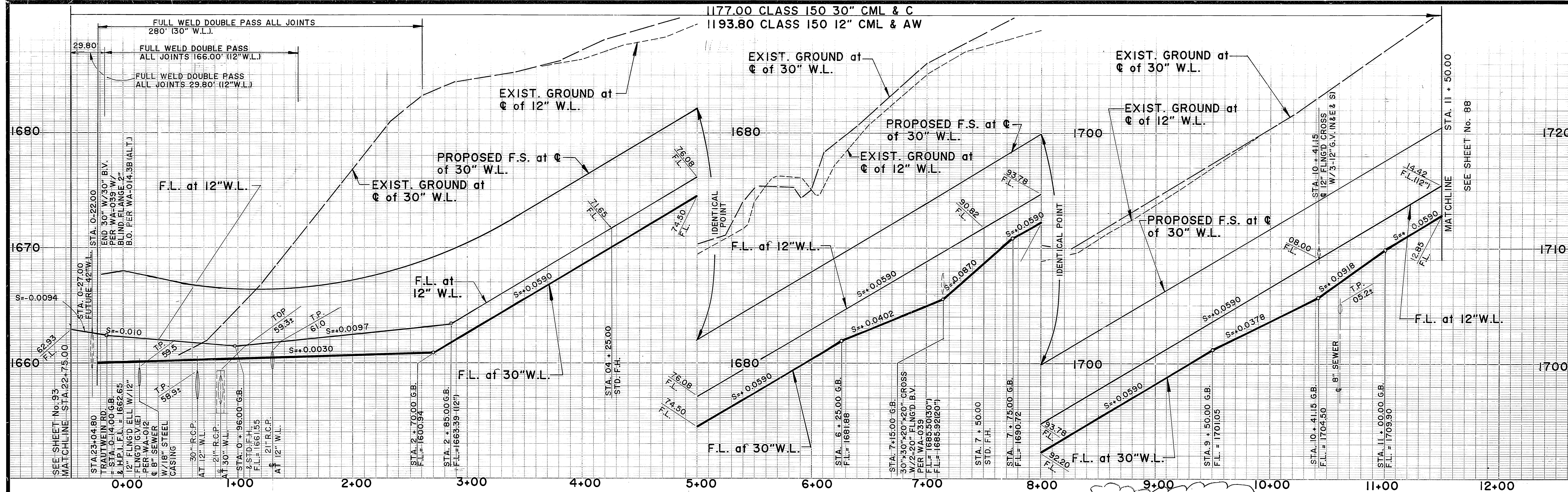
J.F.D. ASSOCIATES
DESIGNED BY: RDC DRAWN BY: CB CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____ BY DATE: _____
PRINCIPAL ENGINEER: _____
TRAFFIC DIVISION: _____
CHIEF P.W. ENGR. _____ DATE: 3/23/89

CFD 86-1-3
SEWER IMPROVEMENT PLANS
TRAUTWEIN ROAD
8" SEWER LINE
STA. 0+39.47 TO STA. 12+00.00
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PROJECT NO. **R-2971**
SHEET **86** OF **106**
FILE NO. **8710058**

INDEXED 12-9-92 L.H. TRAUTWEIN ROAD SHEET 86



Approved by Western Municipal Water District for Construction
 Chief Engineer, RCE 17984
 10-3-88
 DATE

AS BUILT
 APPROVED BY: _____
 DATE: _____

ORANGE TERRACE PARKWAY

Underground Service Alert
 Call TOLL FREE 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

PREPARED UNDER THE DIRECTION OF:
Rodney D. Gramont
 REGISTERED CIVIL ENGINEER NO. 22522
 EXPIRATION DATE 12/31/89 DATE: 8-29-88
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5891

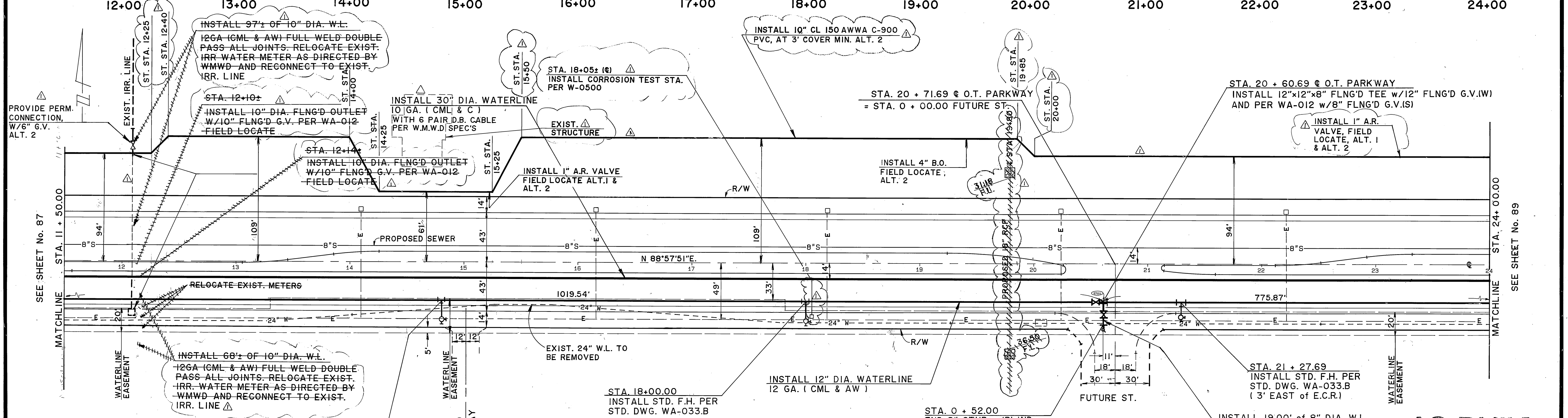
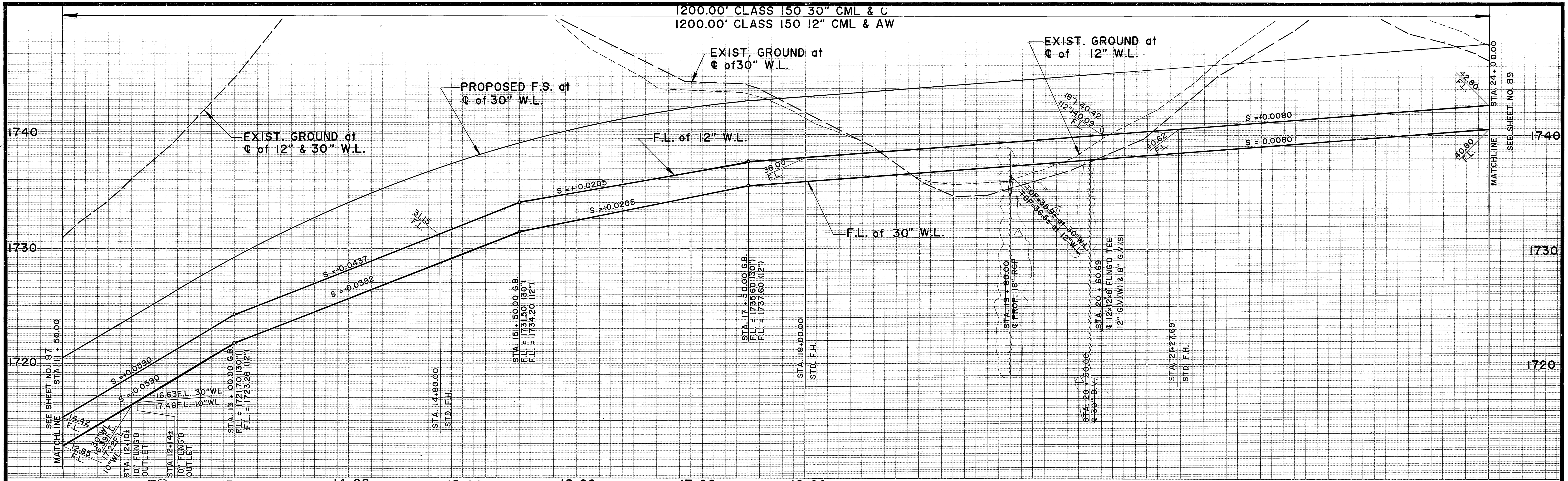
J.F.D. ASSOCIATES
 AS-BUILT.
 DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ BY: _____ DATE: 3-22-89
 APPROVED BY: *Bary Bed*
 DIRECTOR OF PUBLIC WORKS
 DATE: 3/23/89

CFD 86-1-3
WATER IMPROVEMENT PLANS
ORANGE TERRACE PKWY
 30" WATER LINE
 STA. 00+27.00 TO STA. 11+50.00
 12" WATER LINE
 STA. 00+22.00 TO 11+50.00

PROJECT NO. **R-2971**
 SHEET **87** OF **106**
 FILE NO. 8710058

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



Approved by Western Municipal Water District for Construction
 Chief Engineer, RCE 17984
 Date 10.3.88
 VOID AFTER 1 YEAR FROM THIS DATE

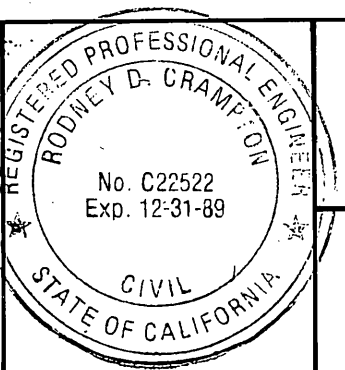
STA. 14+80.00
 INSTALL STD. F.H. PER STD. WA-033.B

ORANGE TERRACE PARKWAY

AS BUILT
 APPROVED BY: _____
 DATE: _____

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
 Rodney D. Campton
 REGISTERED CIVIL ENGINEER NO. 22522
 EXPIRATION DATE 12/31/89 DATE: 8-29-88
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1092 (619) 346-5691

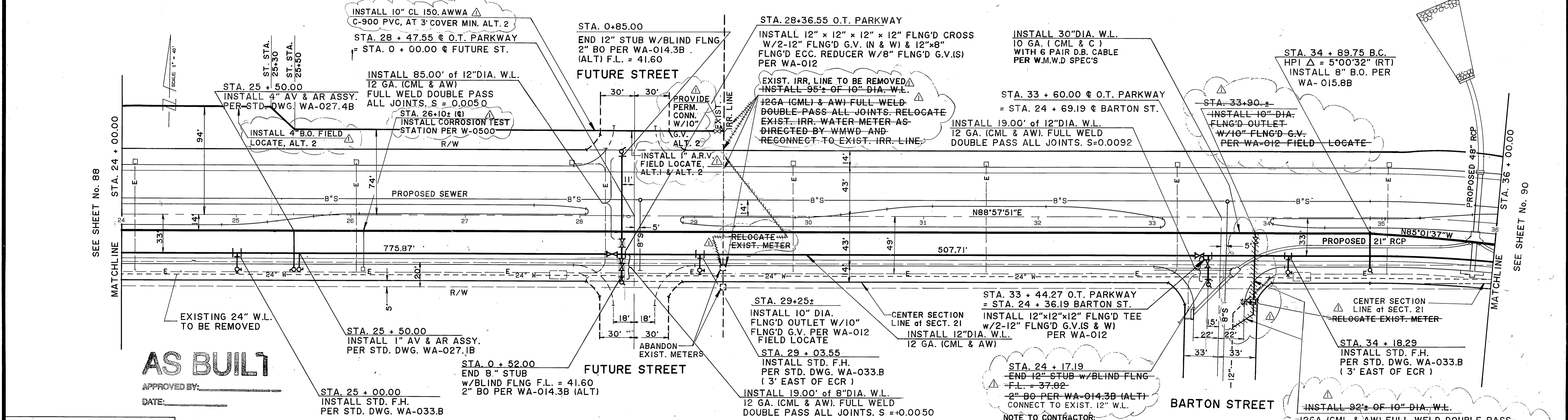
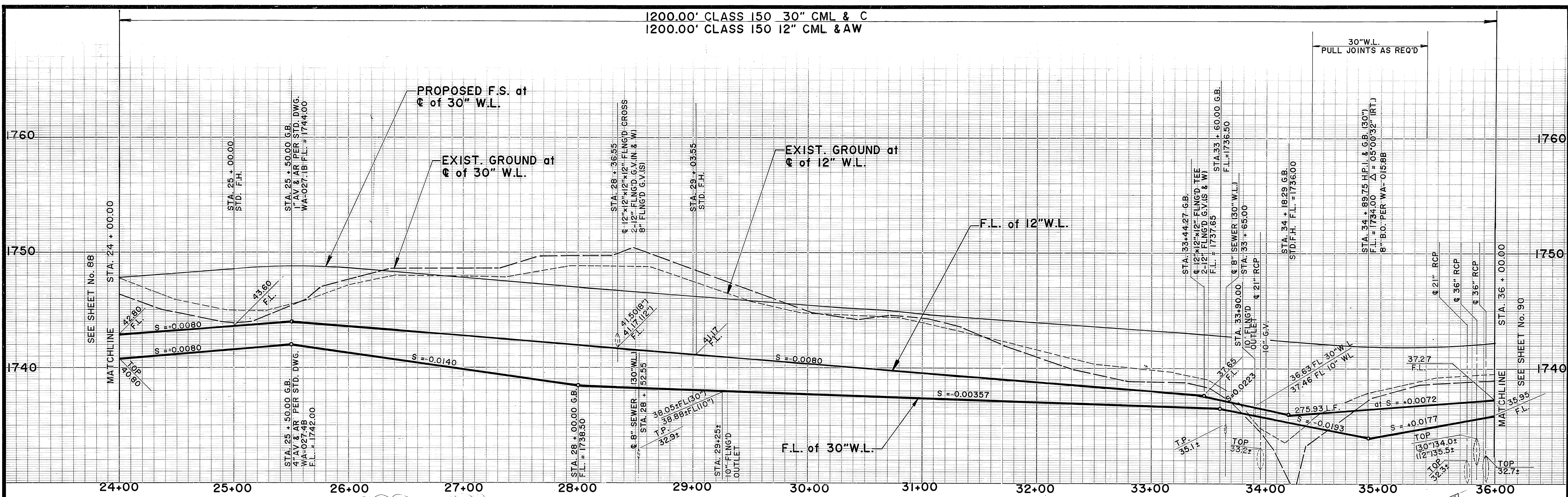
SCALE	BENCH MARK
DATE JUN 1988	SEE SHEET No. 1

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	
APPROVED BY	DATE
PRINCIPAL ENGINEER	3/22
TRAFFIC DIVISION	
CHIEF P.W. ENGR.	

CFD 86-1-3
WATER IMPROVEMENT PLANS
ORANGE TERRACE PKWY
 12" & 30" WATER LINE
 STA. 11+50.00 TO STA. 24+00.00
 PROJECT NO. R-2971
 SHEET 88 OF 106
 FILE NO. 8710058
 HORIZ. SCALE: 1" = 40'
 VERT. SCALE: 1" = 4'

0.7 INDEXED 12.9.92 4H

1200.00' CLASS 150 30" CML & C
1200.00' CLASS 150 12" CML & AW



AS BUILT

APPROVED BY: _____
DATE: _____

Approved by Western Municipal Water District for Construction
10.3.88
Chief Engineer, RCE 17984
Date

VOID AFTER 1 YEAR FROM THIS DATE

ORANGE TERRACE PARKWAY

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

REGISTERED PROFESSIONAL ENGINEER
RODNEY D. CRAMPTON
No. C22522
Exp. 12-31-89
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
REGISTERED CIVIL ENGINEER NO. 22522
EXPIRATION DATE 12/31/89 DATE: 8-28-88
APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS
P.O. BOX 493 RIVERSIDE, CA 92502 (714) 686-0844
11200 SO. MT. VERNON AVE. #D COLTON, CA 92324 (714) 825-1082
73-080 EL PASO, #103 PALM DESERT, CA 92260 (619) 346-5681

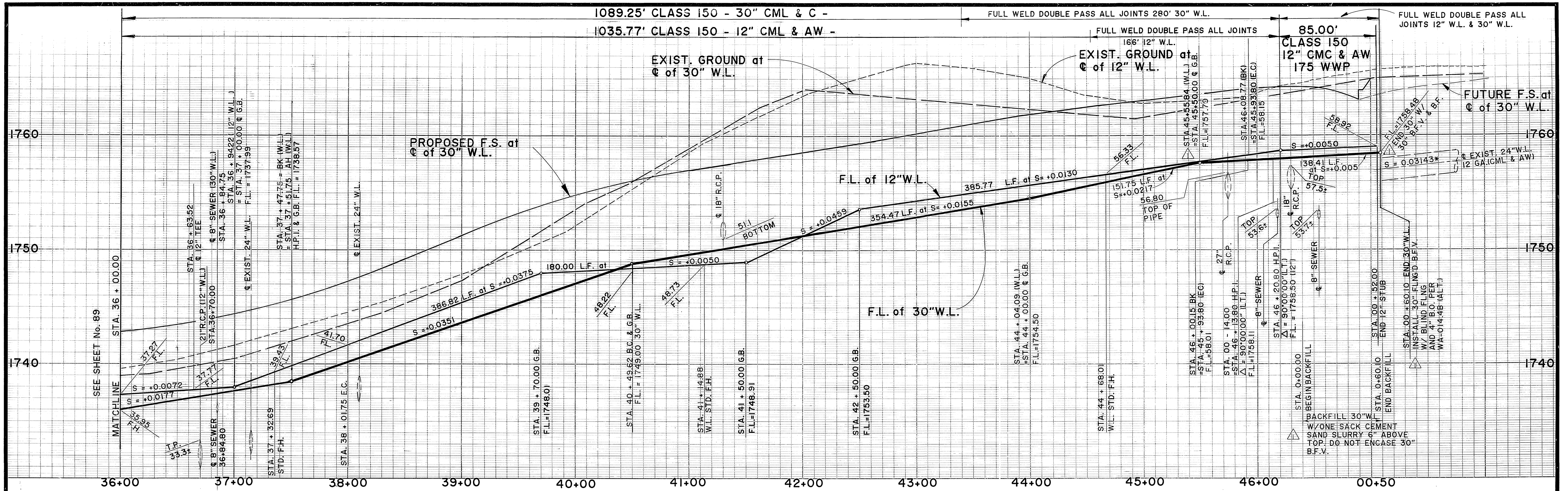
SCALE	BENCH MARK
DATE JUN 1988	SEE SHEET No. 1

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____ BY DATE: _____
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR. *WJ* 3/22

CFD 86-1-3
WATER IMPROVEMENT PLANS
ORANGE TERRACE PKWY
12" & 30" WATER LINE
STA. 24+00.00 TO STA. 36+00.00
HORIZ. SCALE: 1" = 40'
VERT. SCALE: 1" = 4'

PROJECT NO. **R-2971**
SHEET **89** OF **106**
FILE NO. 8710058

INDEXED 12-9-92 G4



STA. 36 + 79.75 @ O.T. PARKWAY
 = STA. 0 + 00.00 @ HOPSEED CIRCLE

STA. 37 + 47.75 BK (WL)
 = STA. 37 + 51.75 AH (C)
 H.P.I. Δ = 08°53'16" (RT)

NOTE TO CONTRACTOR:
 EXISTING GROUND SHOWN HEREON HAS BEEN CHANGED
 SINCE THESE PLANS WERE PREPARED. SEE SPECIFICATION
 FOR MEASUREMENT AND PAYMENT OF ROADWAY EARTH WORK.

* CONTRACTOR TO VERIFY LOCATION
 AND ELEVATION OF EXIST. WATER MAIN.

△ STA. 00+60.10 END 30" W.L.
 INSTALL 30" FLNG'D B.F.V. W/ BLIND
 FLNG. AND 4" B.O. PER WA-014.4B (ALT)

STA. 44+50.2 (C) △
 INSTALL CORROSION TEST STA.
 PER W-0500

STA. 46 + 13.80 O.T. PARKWAY = STA. 0-14.00
 H.P.I. Δ = 90°00'00" (LT.) 30" DIA.
 90° 4-PIECE AWWA ELL
 W/1" CUT TO FIT.

STA. 0+52.00
 END 12" STUB W/BLIND
 FLANGE 2" B.O. PER WA-014.3B(ALT)

INSTALL PEDESTAL MOUNTED
 TERMINAL HOUSING INSTAL-
 LATION FOR D.B.C. PER
 WA-038

STA. 46 + 26.80 @ O.T. PARKWAY
 = STA. 0 + 00.00 FUTURE
 STREET

STA. 0-33.00 FUTURE ST.
 = STA. 46 + 20.80 O.T.P.
 H.P.I. Δ = 90°00'00" (LT)
 90° FLG'D ELL. W/12"
 FLNG'D G.V. (N) PER WA-012

STA. 46 + 16.00
 INSTALL 2" COP. SERV.
 LAT. WITH METER BOX.
 PER WA-007.3B

STA. 46 + 00.00
 INSTALL 2" COP. SERV.
 LAT. WITH METER BOX.
 PER WA-007.3B

STA. 44 + 68.01 (W.L.)
 INSTALL STD.F.H. PER STD.
 DWG. WA-033.B (ON P.L.)

INSTALL 30" DIA. W.L.
 10 GA. (CML & C)
 WITH 6 PAIR D.B. CABLE
 PER W.M.W.D SPEC'S

INSTALL 12" DIA. W.L.
 12 GA. (CML & AW)

STA. 41 + 14.88 (W.L.)
 INSTALL STD. F.H. PER
 STD. DWG WA-033.B
 (ON P.L.)

STA. 37 + 32.69 (W.L.)
 INSTALL STD. F.H. PER
 STD. DWG WA-033.8
 (3' EAST OF E.C.R.)

STA. 36 + 63.52 (W.L.)
 INSTALL 12"x12"x10" FLNG'D TEE
 WITH 12" FLNG'D G.V.(E)
 AND 10" FLNG'D G.V. (S)
 PER WA-012

STA. 36+05.2 (C) △
 INSTALL CORROSION TEST
 STA. PER W-0500

ORANGE TERRACE PARKWAY

AS BUILT

APPROVED BY: _____
 DATE: _____

Approved by Western Municipal Water
 District for Construction
 _____ 10.3.88
 Chief Engineer, RCE 17984 Date

VOID AFTER 1 YEAR FROM THIS DATE

Underground Service Alert
 Call: TOLL FREE
 1-800
 422-4133

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH
 GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION
 CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY
 FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION
 THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND
 NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION DESIGN
 CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN
 PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR
 ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS
 PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF
 DESIGN PROFESSIONAL

REGISTERED PROFESSIONAL ENGINEER
RODNEY D. CRAMPTON
 No. C22522
 Exp. 12-31-88
 CIVIL
 STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
 REGISTERED CIVIL ENGINEER NO. 22522
 EXPIRATION DATE 12/31/89 DATE: 8-29-88
 APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92524 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 686-0844 (714) 825-1082 (619) 346-5691

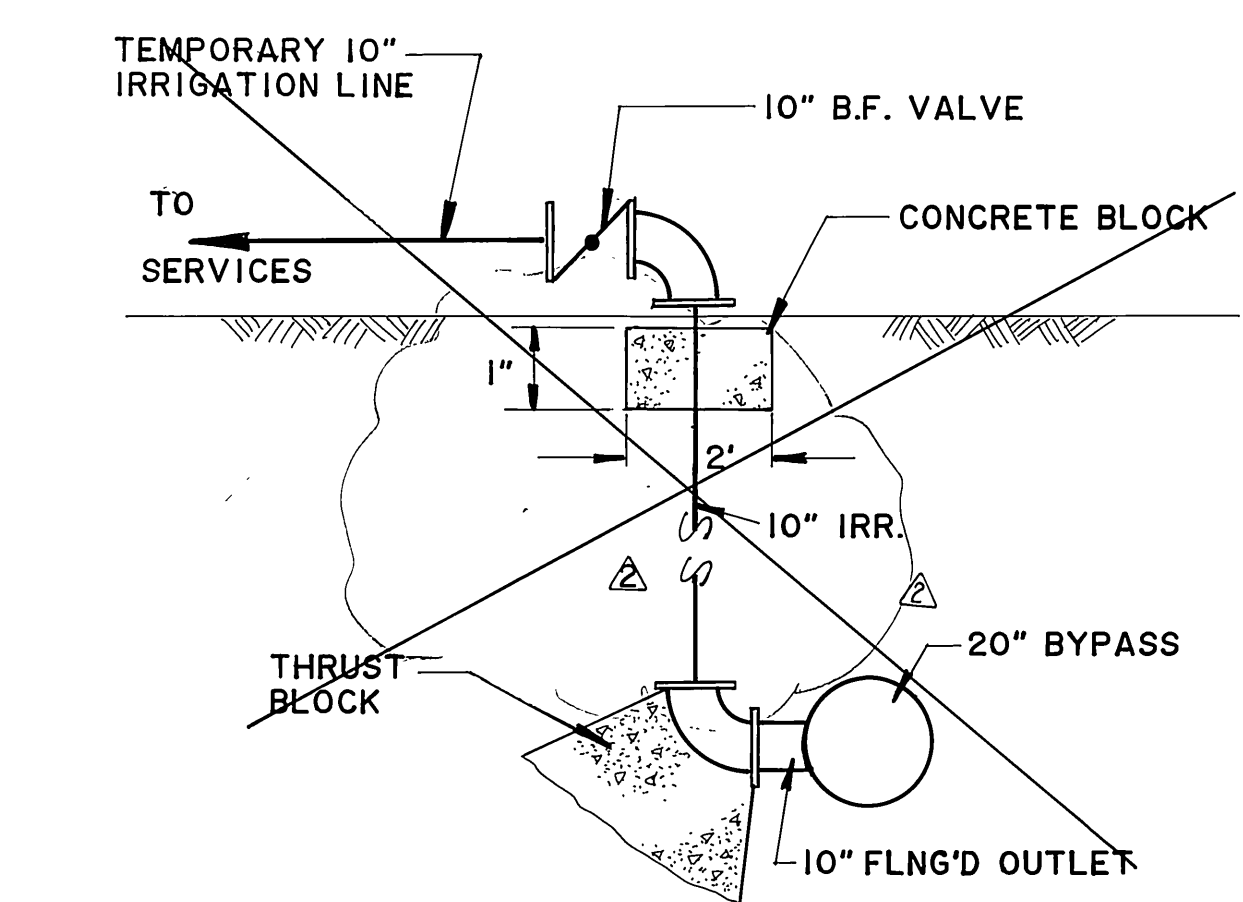
J.F.D. ASSOCIATES
 AS-BUILT.
 RAISED 30" W.L. DELETED 4" B.O.
 REVISIONS: _____
 DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ BY: _____ DATE: _____
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR. _____ DATE: 3/22

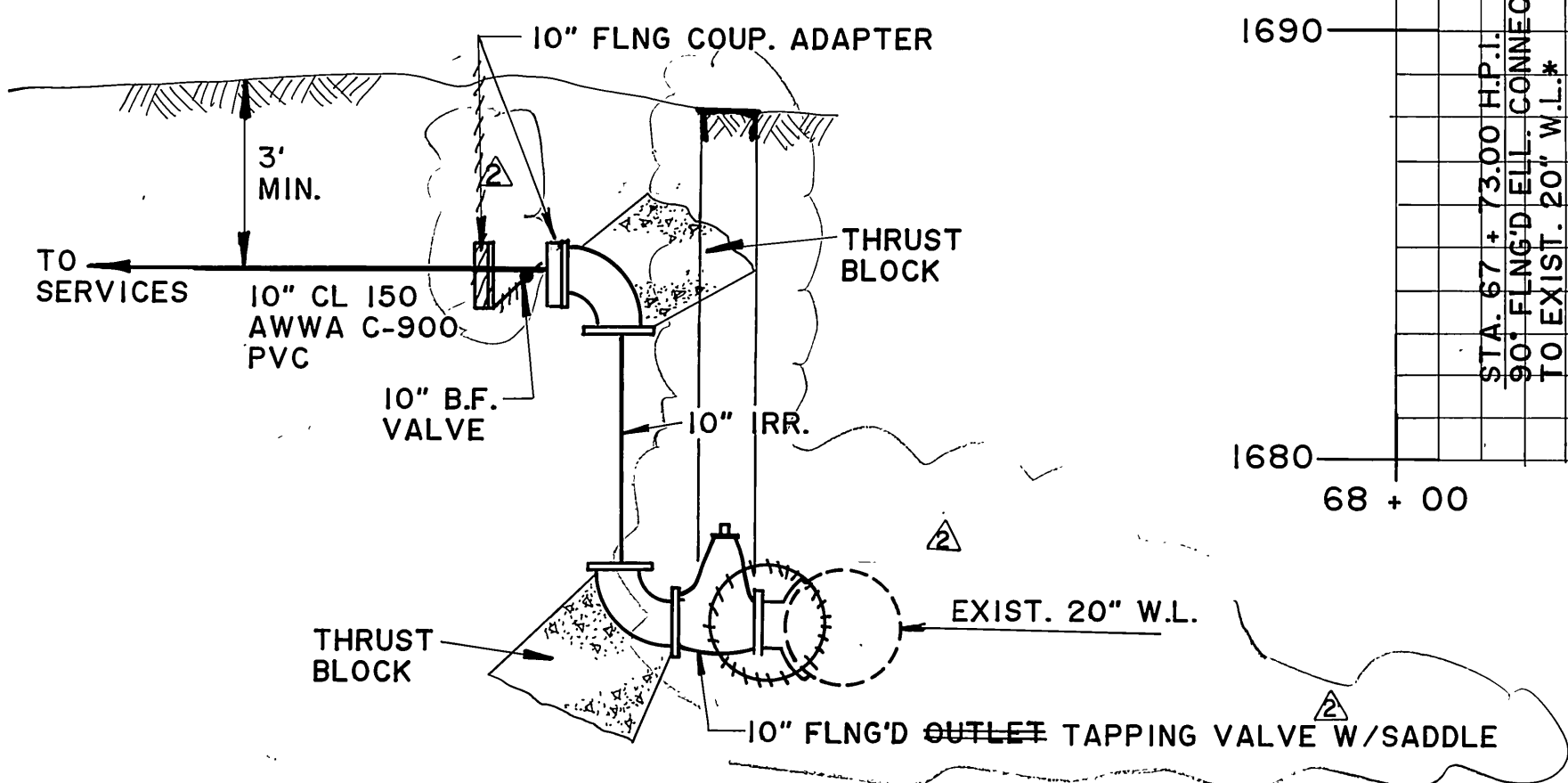
CFD 86-1-3
WATER IMPROVEMENT PLANS
ORANGE TERRACE PKWY
 30" WATER LINE
 STA. 36+00.00 TO STA. 46+13.80
 12" WATER LINE
 STA. 36+00.00 TO STA. 46+20.80

PROJECT NO.
R-2971
90 106
 SHEET _____ OF _____
 FILE NO. 8710058

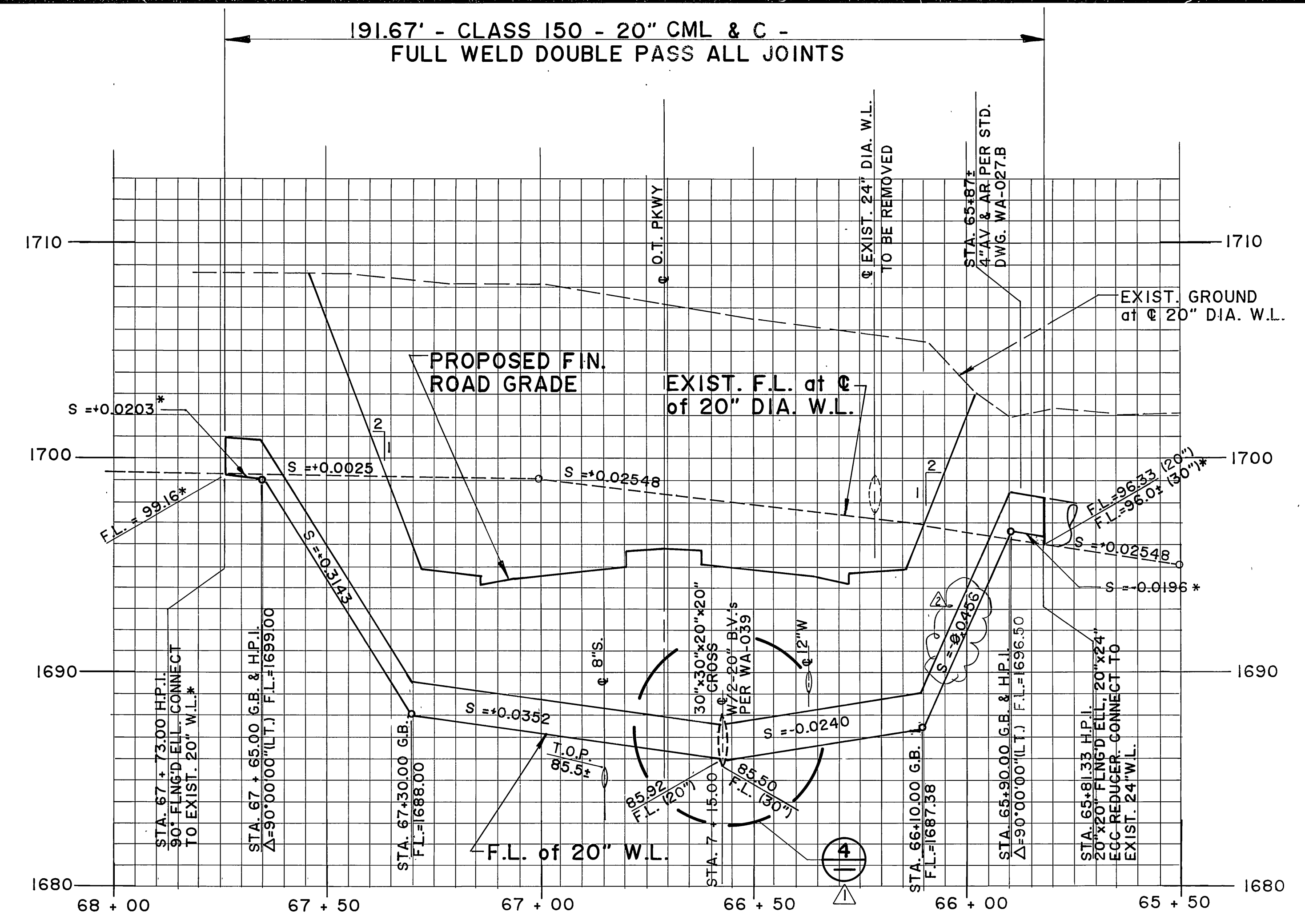
INDEXED 12-9-92 LHM



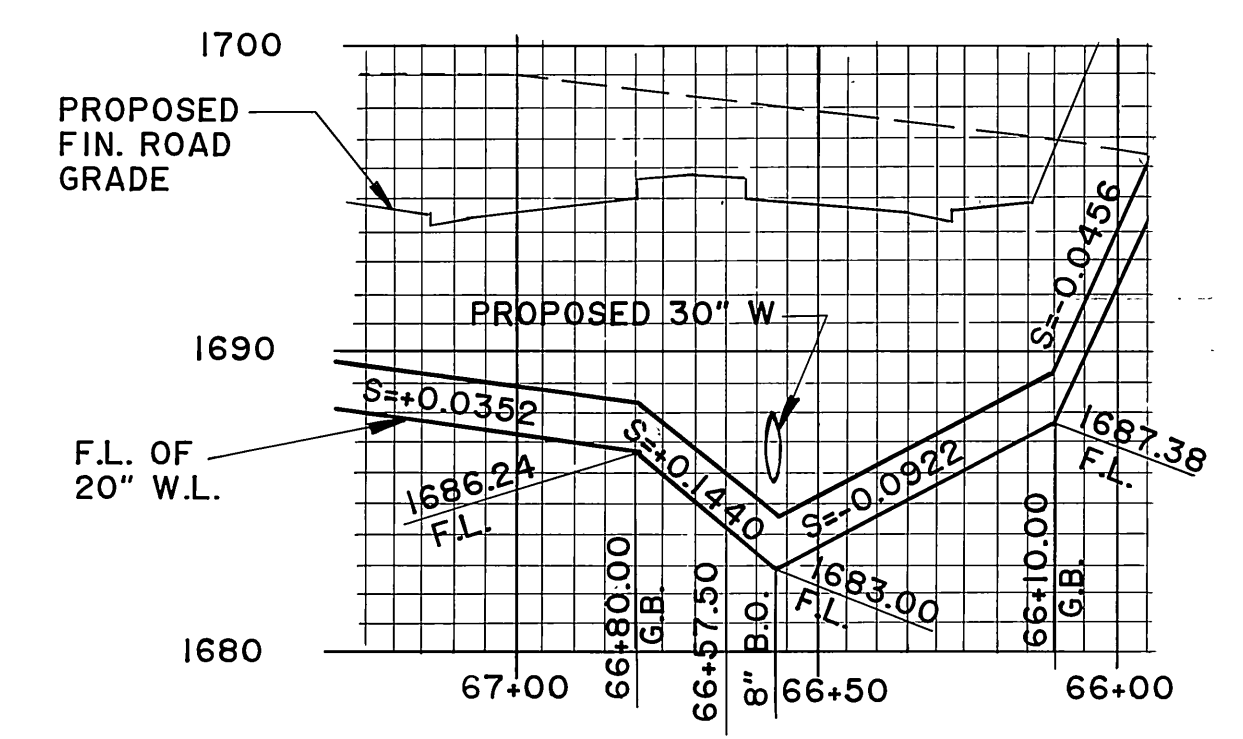
1 CONNECTION - ALTERNATIVE 1
N.T.S.



2 CONNECTION - ALTERNATIVE 2
N.T.S.

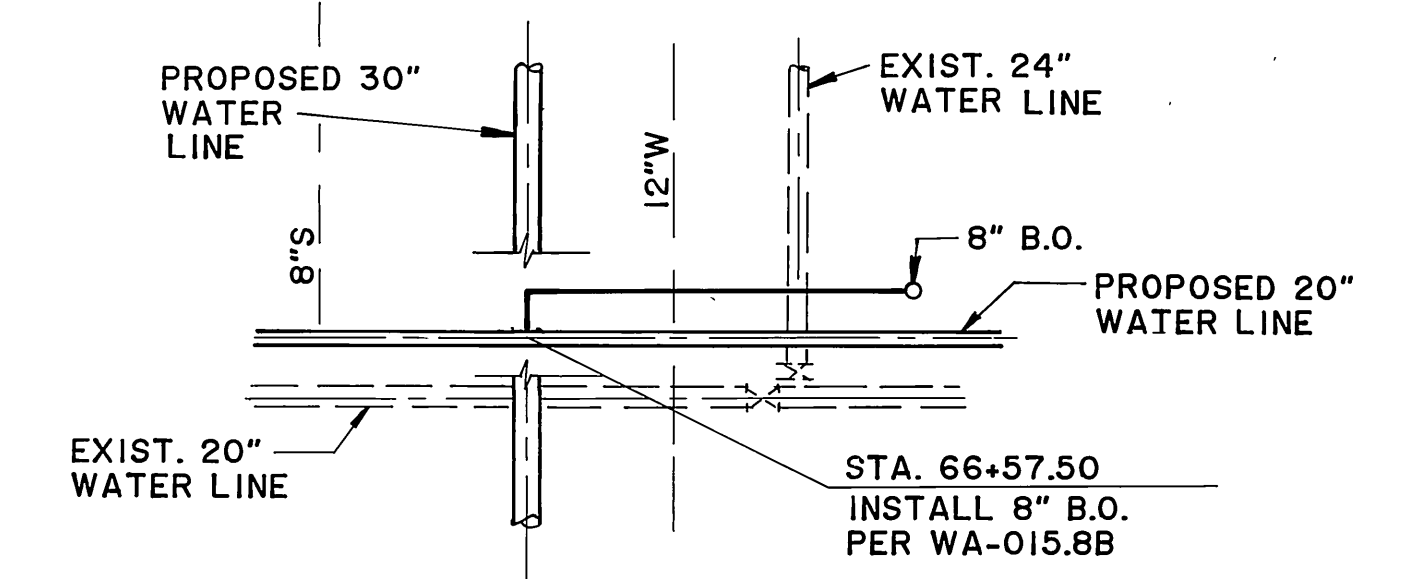


NOTE: REVERSING STATIONING
* CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING WATER MAIN.



4 ALTERNATIVE 2 - PROFILE VIEW
N.T.S. (SEE PROFILE LEFT FOR STA. 67+30.00 TO STA. 66+80.00 AND STA. 65+81.33 TO STA. 66+10.00)

* ALL WORK ON ACTIVE WMWD WATER PIPELINES TO RECEIVE WRITTEN APPROVAL PRIOR TO START OF WORK AND ALL WORK TO BE DONE UNDER CONTINUOUS INSPECTION BY WMWD. ACTIVE WATERLINES CAN BE OUT OF SERVICE FOR LIMITED PERIODS (MAX = 3 DAYS FOR IRRIGATION AND 6 HOURS FOR DOMESTIC). OUT OF SERVICE PERIODS MUST BE SCHEDULED AND CUSTOMERS NOTIFIED BY WESTERN.



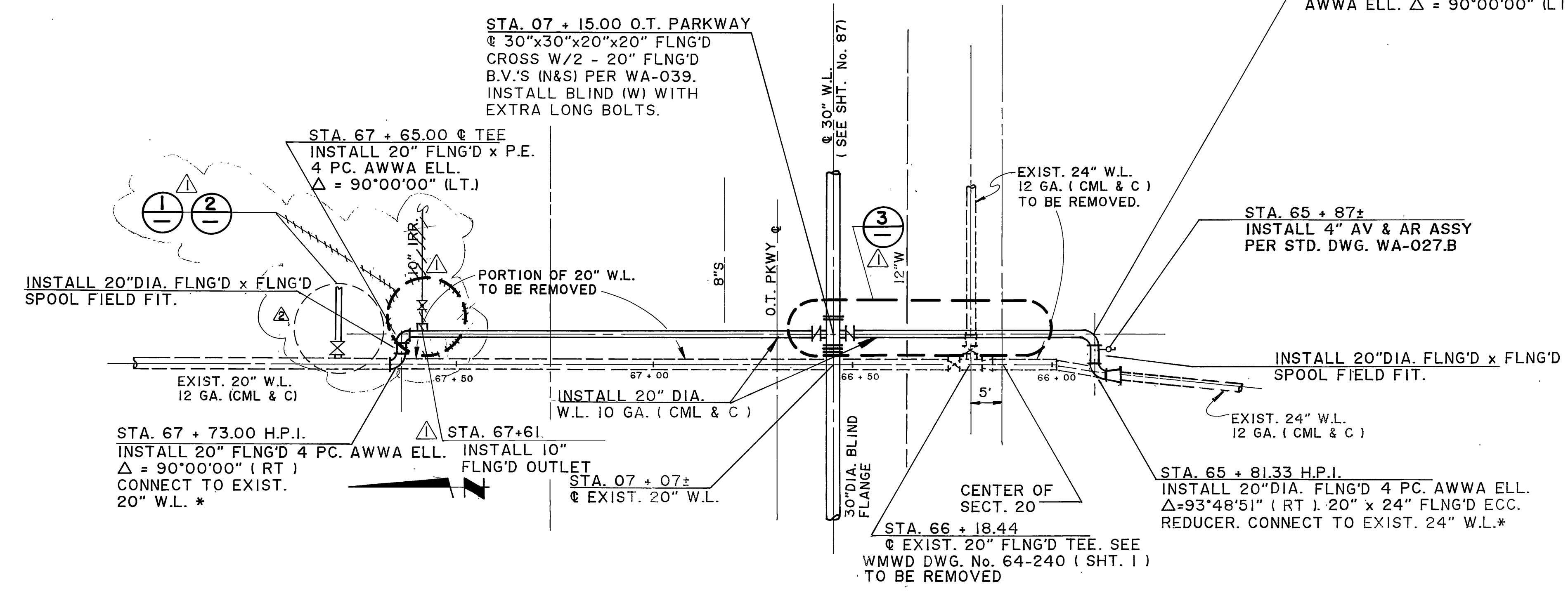
3 ALTERNATIVE 2 - PLAN VIEW
N.T.S.

STA. 65 + 90.00 H.P.I.
INSTALL 20" DIA. FLNG'D x P.E. 4 PIECE
AWWA ELL. Δ = 90°00'00" (LT.)

STA. 65 + 87±
INSTALL 4" AV & AR ASSY
PER STD. DWG. WA-027.B

STA. 65 + 81.33 H.P.I.
INSTALL 20" DIA. FLNG'D 4 PC. AWWA ELL.
Δ = 93°48'51" (RT). 20" x 24" FLNG'D ECC.
REDUCER. CONNECT TO EXIST. 24" W.L.*

NOTE: CONSTRUCTED PER ALTERNATIVE 2



AS BUILT
APPROVED BY: _____
DATE: _____

Approved by Western Municipal Water District for Construction
Chief Engineer, RCE 17984
Date: 10.3.88
VOID AFTER 1 YEAR FROM THIS DATE

Underground Service Alert
Call: TOLL FREE 1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

REGISTERED PROFESSIONAL ENGINEER
RODNEY D. CRAMPTON
No. C22522
Exp. 12-31-89
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
REGISTERED CIVIL ENGINEER No. 22522
EXPIRATION DATE: 12/31/89 DATE: 8-29-88
APPROVED BY: _____

J.F. Davidson Associates, Inc.
ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE
3880 Lemon Street, Suite 300 P.O. Box 493 Riverside, CA 92502 (714) 686-0844 FAX 714-686-9854
11200 S Mt Vernon Ave, Suite "D" Colton, CA 92324 (714) 825-1082
73-080 El Paseo, Suite 106 Palm Desert, CA 92260 (818) 346-5591 FAX 818-340-0529

SCALE: _____ BENCH MARK: SEE SHEET No. 1
DATE: JUN 1988

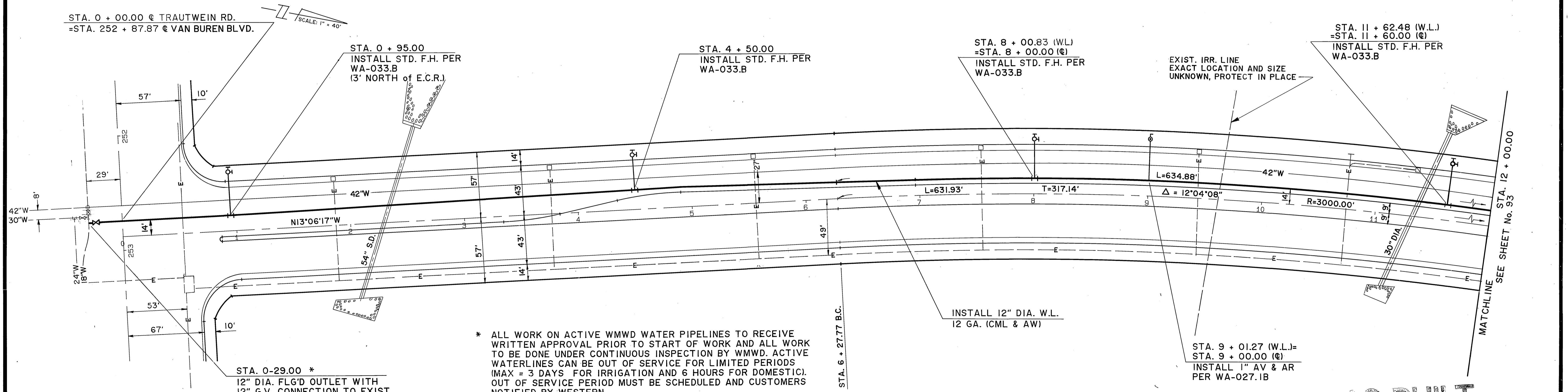
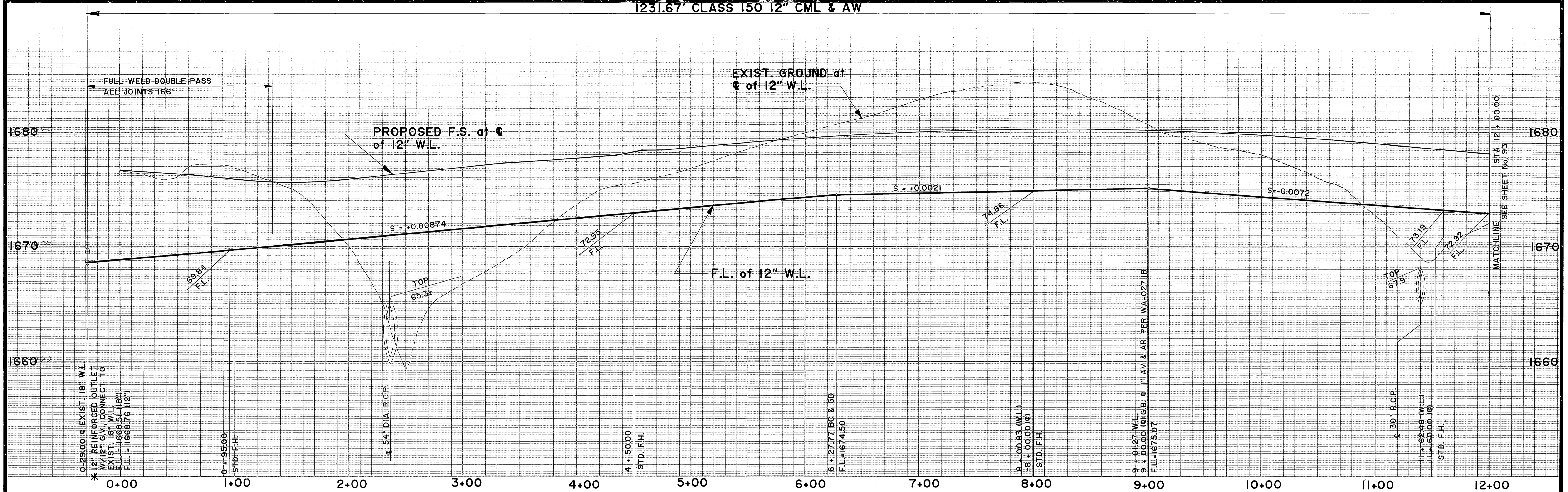
DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____
AS BUILT
ADDED ALTERNATIVE APPLICATIONS. 5/89
MARK REVISIONS DATE

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____ BY: _____ DATE: 3/23/89
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR.

CFD 86-1-3
WATER IMPROVEMENT PLANS
ORANGE TERRACE PKWY
30" WATER
CONNECTION DETAIL
TO EXISTING WATER
HORIZ. SCALE: 1" = 20'
VERT. SCALE: 1" = 4'

PROJECT NO. R-2971
SHEET 91 OF 106
FILE NO. 8710058

INDEXED 12-9-92



* ALL WORK ON ACTIVE WMWD WATER PIPELINES TO RECEIVE WRITTEN APPROVAL PRIOR TO START OF WORK AND ALL WORK TO BE DONE UNDER CONTINUOUS INSPECTION BY WMWD. ACTIVE WATERLINES CAN BE OUT OF SERVICE FOR LIMITED PERIODS (MAX = 3 DAYS FOR IRRIGATION AND 6 HOURS FOR DOMESTIC). OUT OF SERVICE PERIOD MUST BE SCHEDULED AND CUSTOMERS NOTIFIED BY WESTERN.

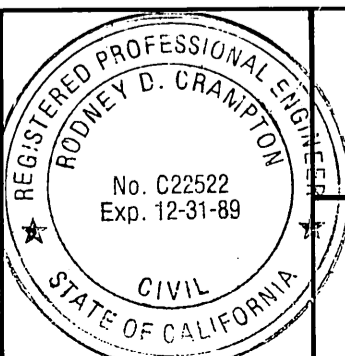
Approved by Western Municipal Water District for Construction
 Chief Engineer, RCE 17984
 Date 10-3-88

TRAUTWEIN ROAD

AS BUILT
 APPROVED BY: _____
 DATE: _____

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
 REGISTERED CIVIL ENGINEER NO. 22522
 EXPIRATION DATE 12/31/89 DATE: 8-27-88
 APPROVED BY: _____
 DATE: JUN 1988

J.F. DAVIDSON ASSOCIATES, INC.
 CIVIL ENGINEERS • SURVEYORS • PLANNERS
 P.O. BOX 493 11200 SO. MT. VERNON AVE. #D 73-080 EL PASO, #103
 RIVERSIDE, CA 92502 COLTON, CA 92324 PALM DESERT, CA 92260
 (714) 886-0844 (714) 825-1082 (619) 348-5691
 SCALE: _____ BENCH MARK: _____
 SEE SHEET No. 1

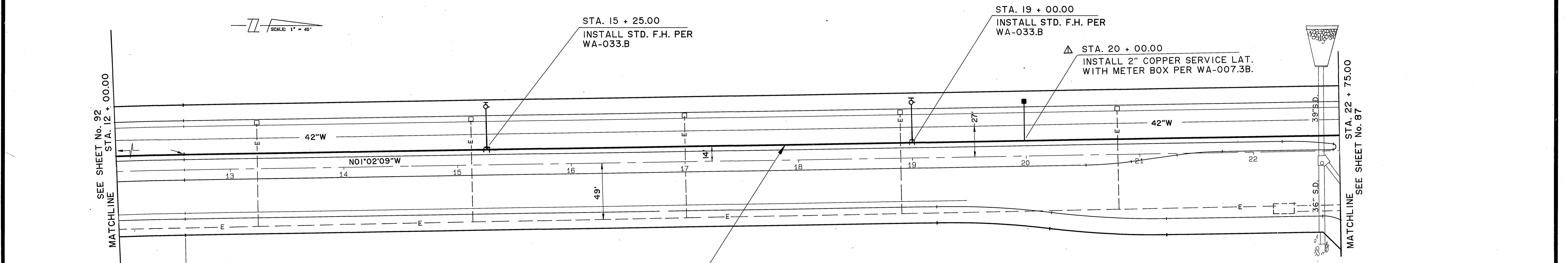
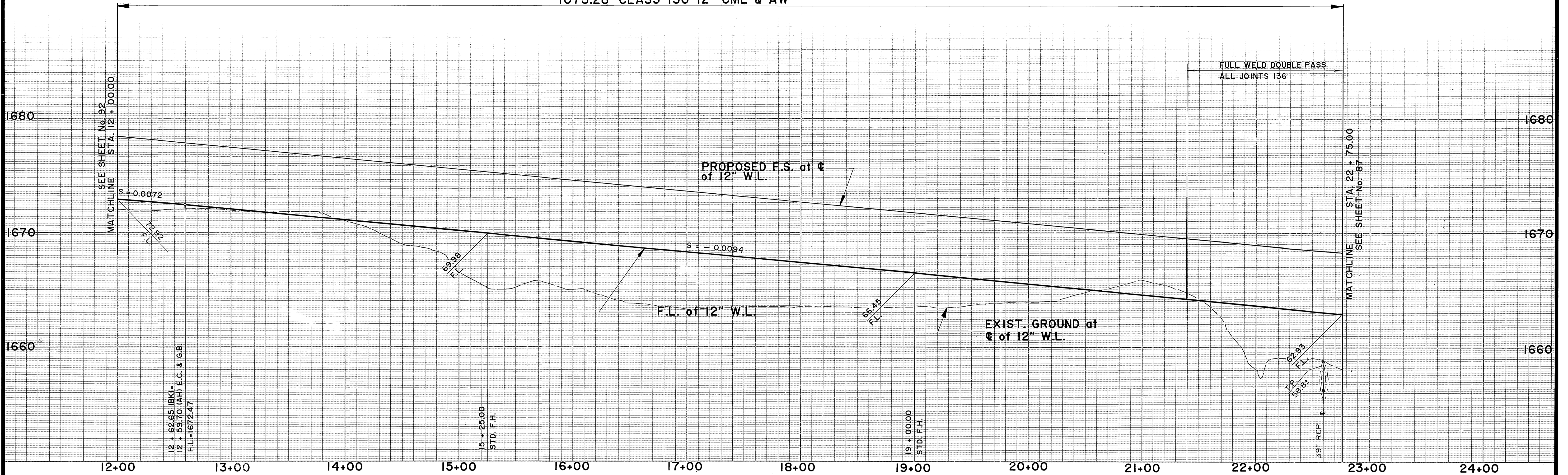
MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY	

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____ BY: _____ DATE: _____
 TRAFFIC DIVISION
 CHIEF P.W. ENGR. *[Signature]* DATE: 3/23/89

CFD 86-1-3
 WATER IMPROVEMENT PLANS
TRAUTWEIN ROAD
 12" WATER LINE
 STA. 00 - 29.00 TO STA. 12 + 00.00
 PROJECT NO. **R-2971**
 SHEET **92** OF **106**
 HORIZON. SCALE: 1" = 40' VERT. SCALE: 1" = 4'
 FILE NO. 8710058

500 TRAUTWEIN ROAD INDEXED 12-9-92

1075.28' CLASS 150 12" CML & AW



SEE SHEET No. 92
STA. 12 + 00.00
MATCHLINE

SEE SHEET No. 92
STA. 22 + 75.00
MATCHLINE

STA. 12 + 62.65 (BK)
= STA. 12 + 59.70 (AH)
E.C.

Approved by Western Municipal Water District for Construction

[Signature]
Chief Engineer, RCE 17984

10.3.88
Date

VOID AFTER 1 YEAR FROM THIS DATE

TRAUTWEIN ROAD

AS BUILT

APPROVED BY: _____
DATE: _____

Underground Service Alert

Call: TOLL FREE
1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

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PREPARED UNDER THE DIRECTION OF:
Rodney D. Leampton

REGISTERED CIVIL ENGINEER NO. 22522
EXPIRATION DATE 12/31/89 DATE: 8-29-88

APPROVED BY: _____

J.F. DAVIDSON ASSOCIATES, INC.
CIVIL ENGINEERS • SURVEYORS • PLANNERS

P.O. BOX 458
RIVERSIDE, CA 92502 (714) 686-0844

11200 SO. MT. VERNON AVE. #D
CULTON, CA 92204 (714) 825-1082

73-080 EL PASO, #103
PALM DESERT, CA 92260 (619) 346-5691

SCALE: _____ BENCH MARK: _____
DATE: JUN 1988 SEE SHEET No. 1

MARK	ADDED IRR. SERVICE.	3-3-88
REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

APPROVED BY: _____
PRINCIPAL ENGINEER

TRAFFIC DIVISION
CHIEF P.W. ENGR. *[Signature]* 3-22

DATE: 3-23-89

CFD 86-1-3
WATER IMPROVEMENT PLANS
TRAUTWEIN ROAD
12" WATER LINE
STA. 12 + 00.00 TO STA. 22 + 75.00

PROJECT NO. **R-2971**

SHEET **93** OF **106**

FILE NO. 8710058

INDEXED 12-9-92 LHM

801.79' CLASS 150 - 12" CML & AW

1730

1720

1710

1730

1720

1710

FULL WELD DOUBLE PASS ALL JOINTS 166.00' (12" W.L.)

FULL WELD DOUBLE PASS ALL JOINTS 166' (12" W.L.)

86.00' CLASS 150

12" CML & AW 175 WWP

FULL WELD DOUBLE PASS ALL JOINTS 86.00' (12" W.L.)

PROPOSED F.S. at @ of 12" W.L.

EXIST. GROUND at @ of 12" W.L.

0 + 00.00 END OF STREET IMPROVEMENTS

0 + 05.00 END W.L. W/ 8" BLIND FLANGE & 2" B.O. PER WA-014.3B (ALT.) F.L. = 1236.00
0 + 50.00 STD. F.H.

1 + 70.00 G.B. 2" B.O. PER WA-014.2B F.L. = 1710.80'

2 + 00.00 12"x12"x6" FLG'D TEE W/ FLG'D 6" G.V. PER WA-012 F.L. = 1710.961(2')

4 + 00.00 STD. F.H.

6 + 00.00 G.B. 1" AV & AR F.L. = 1715.12

8 + 06.79 END W.L. W/ BLIND FLANGE & 2" B.O. PER WA-014.3B (ALT.) F.L. = 1708.43

STA. 0 + 05.00 END WATERLINE WITH 8" BLIND FLANGE WITH 2" B.O. PER WA-014.3B(ALT.)

STA. 0 + 50.00 INSTALL STD. F.H. PER STD. DWG. WA-033.B

STA. 1 + 70.00 2" B.O. PER WA-014.2B

STA. 4 + 00.00 INSTALL STD. F.H. PER STD. DWG. WA-033.B

STA. 6 + 00.00 INSTALL 1" AV & AR ASSY. PER STD. DWG. WA-027.1B

SEE SHEET No. 87 FOR CONNECTION DETAILS.

INSTALL 12" W.L. 12 GA. (CML & AW)

STA. 8 + 92.79 END WATER LINE WITH 12" BLIND FLANGE WITH 2" B.O. PER WA-014.3B (ALT.)

STA. 8 + 06.79 SILK OAK DRIVE STA. 10 + 41.15 O.T. PARKWAY

STA. 2 + 00.00 INSTALL 12"x12"x6" FLG'D TEE WITH 6" FLG'D G.V. PER WA-012

INSTALL 45.00' of 6" DIA. W.L. 12 GA. (CML & AW) FULL WELD DOUBLE PASS ALL JOINTS S=+0.0082

INSTALL 12" W.L. 12 GA. (CML & AW)

STA. 7+34.79 INSTALL 2" COPPER SERVICE LATERAL WITH METER BOX PER WA-007.3B

ORANGE TERRACE PARKWAY SEE SHEET 87

AS BUILT

APPROVED BY: DATE:

SILK OAK DRIVE

Approved by Western Municipal Water District for Construction

Chief Engineer, RCE 17984 Date 10.3.88

VOID AFTER 1 YEAR FROM THIS DATE

Underground Service Alert

Call: TOLL FREE 1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

REGISTERED PROFESSIONAL ENGINEER
RODNEY D. CRAMPTON
No. C22522
Exp. 12-31-89
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
REGISTERED CIVIL ENGINEER No. 22522
EXPIRATION DATE: 12/31/89 DATE: 8-22-88

APPROVED BY:

J.F. Davidson Associates, Inc.
ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE

3880 Lemon Street, Suite 300 P.O. Box 493 Riverside, CA 92502 (714) 686-0944 FAX 714-686-5954

11200 S. Mt. Vernon Ave., Suite "D" Colton, CA 92324 (714) 825-1082

73-080 El Paseo, Suite 108 Palm Desert, CA 92260 (619) 348-9691 FAX 619-340-0529

SCALE: BENCH MARK: SEE SHEET No. 1
DATE: JUN 1988

AS-BUILT.	MARK	REVISIONS	APPR.	DATE
DESIGNED BY	DRAWN BY	CHECKED BY		

CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS

APPROVED BY: *Danny Best* DIRECTOR OF PUBLIC WORKS
DATE: 3/23/89

PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF P.W. ENGR. *WJ* 3-22

CFD 86-1-3
WATER IMPROVEMENT PLANS SILK OAK DRIVE
12" WATER LINE
STA. 00 + 05.00 TO STA. 8 + 06.79

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

PROJECT NO. R-2971
SHEET 94 OF 106
FILE NO.: 871005B

584 INDEXED 12.9.92 GH

FULL WELD DOUBLE PASS
ALL JOINTS 166.00"

FULL WELD DOUBLE PASS
ALL JOINTS 166.00"

PROPOSED F.S. at \odot
of 12" W.L.

1740

1740

1730

1730

1720

1720

97 + 94.06 \odot 12" x 12" TEE w/12" G.V. (E & W)
F.L. = 1726.32

98 + 44.06 STD. F.H.
F.L. = 1706.65 (B.C.)

101 + 59.22 (W.L.)
= 101 + 50.00 \odot
STD. F.H.

F.L. at 12" WATER

2/11
F.L.

178.01 L.F. at \odot = 0.0267

T.P. 18.92

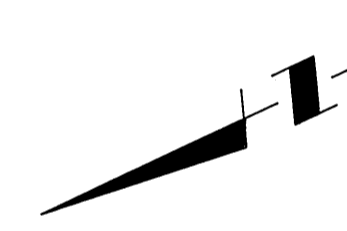
104 + 04.85 (B.C.)
= 103 + 87.78 E.C. (G.B.)
F.L. = 1722.00

104 + 20.00
STD. F.H.

105 + 61.00
F.L. = 1717.38
12" G.V. 12" B.O.
12" x 12" PER
WA-014.3B

105 + 65.79 & FUTURE 30" DIA. WATERMAIN
F.L. = 1716.50 (30")
F.L. = 1717.25 (12")

96 97 98 99 100 101 102 103 104 105 106



88.06
STA. 97 + 83.06 \odot O.T. PKWY.
= STA. 2 + 10.00 \odot GOLDEN
RAIN ROAD

STA. 2 + 58.00
END WATERLINE WITH 12"
BLIND FLANGE WITH 2" B.O.
PER WA-014.3B F.L. = 1725.39

COIL EXCESS CABLE
AT THIS END

INSTALL 81.00' of 12" DIA. W.L.
12 GA. (CML & AW) FULL WELD
DOUBLE PASS ALL JOINTS
S = -0.0140

AS BUILT

APPROVED BY: _____
DATE: _____

INSTALL 1000 L.F. 6 PAIR
DIRECT BURY CABLE PER
WMWD SPECIFICATIONS.

EXIST. 18"
FUTURE 30" WATERMAIN

STA. 105 + 22.79
O.T. PKWY
= STA. 302 + 57.52
VAN BUREN BLVD.

STA. 105 + 61.00
INSTALL TEMP. 2"
B.O. PER WA-014.3B
W/12" G.V.
CONNECT TO
EXIST. 18" B.V.

FUTURE R/W
EXIST. DBC
HOUSING

EXIST.
R/W

99.06
STA. 1 + 77.00 \odot GOLDEN RAIN RD.
= STA. 97 + 94.06 \odot O.T. PKWY
 \odot 12" x 12" x 12" TEE WITH 12" G.V.
(E & W)

STA. 1 + 20.50 END STREET
IMPROVEMENTS

61.50
INSTALL 61.50' of 12"
DIA. W.L. 12 GA. (CML & AW)
FULL WELD DOUBLE PASS
ALL JOINTS. S = -0.0231
S = +0.0194

STA. 1 + 15.50
END WATERLINE WITH
12" BLIND FLANGE WITH
2" B.O. PER WA-014.3B
ALT) F.L. = 1727.71
JOIN EXIST. 12" W.L.

STA. 98 + 44.06
INSTALL STD. F.H.
PER WA-033.B

INSTALL 12" DIA. W.L.
12 GA. (CML & AW)

STA. 101 + 59.22 (W.L.)
= STA. 101 + 50.00 \odot
INSTALL STD. F.H.
PER WA-033.B

STA. 104 + 20.00
INSTALL STD. F.H.
PER WA-033.B

EXIST. 24"
WATERMAIN

Approved by Western Municipal Water
District for Construction
10.3.88
Chief Engineer, RCE 17984 Date
VOID AFTER 1 YEAR FROM THIS DATE

ORANGE TERRACE PARKWAY

Underground Service Alert

Call: TOLL FREE
1-800
422-4133

TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

REGISTERED PROFESSIONAL ENGINEER
RODNEY D. CRAMPTON
No. C22522
Exp. 12-31-89
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
Rodney D. Crampton
REGISTERED CIVIL ENGINEER No. 22522
EXPIRATION DATE: 12/31/89 DATE: 8-29-88

APPROVED BY: _____

SCALE: _____ BENCH MARK: SEE SHEET No. 1

DATE: JUN 1988

J.F. Davidson Associates, Inc.
ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE

3880 Lemon Street, Suite 300 P.O. Box 493 Riverside, CA 92502 (714) 686-0844 FAX 714-686-9954

11200 S. Mt. Vernon Ave., Suite "D" Colton, CA 92324 (714) 825-1082

73-060 El Paseo, Suite 106 Palm Desert, CA 92260 (619) 346-6691 FAX 619-340-0529

MARK	AS-BUILT.	DESIGNED BY	DRAWN BY	CHECKED BY
REVISIONS				
APPR	DATE			

**CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS**

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER		
PARK DEPARTMENT		
TRAFFIC DIVISION		
CHIEF P.W. ENGR.	WJ 3-22	DATE 3/23/89

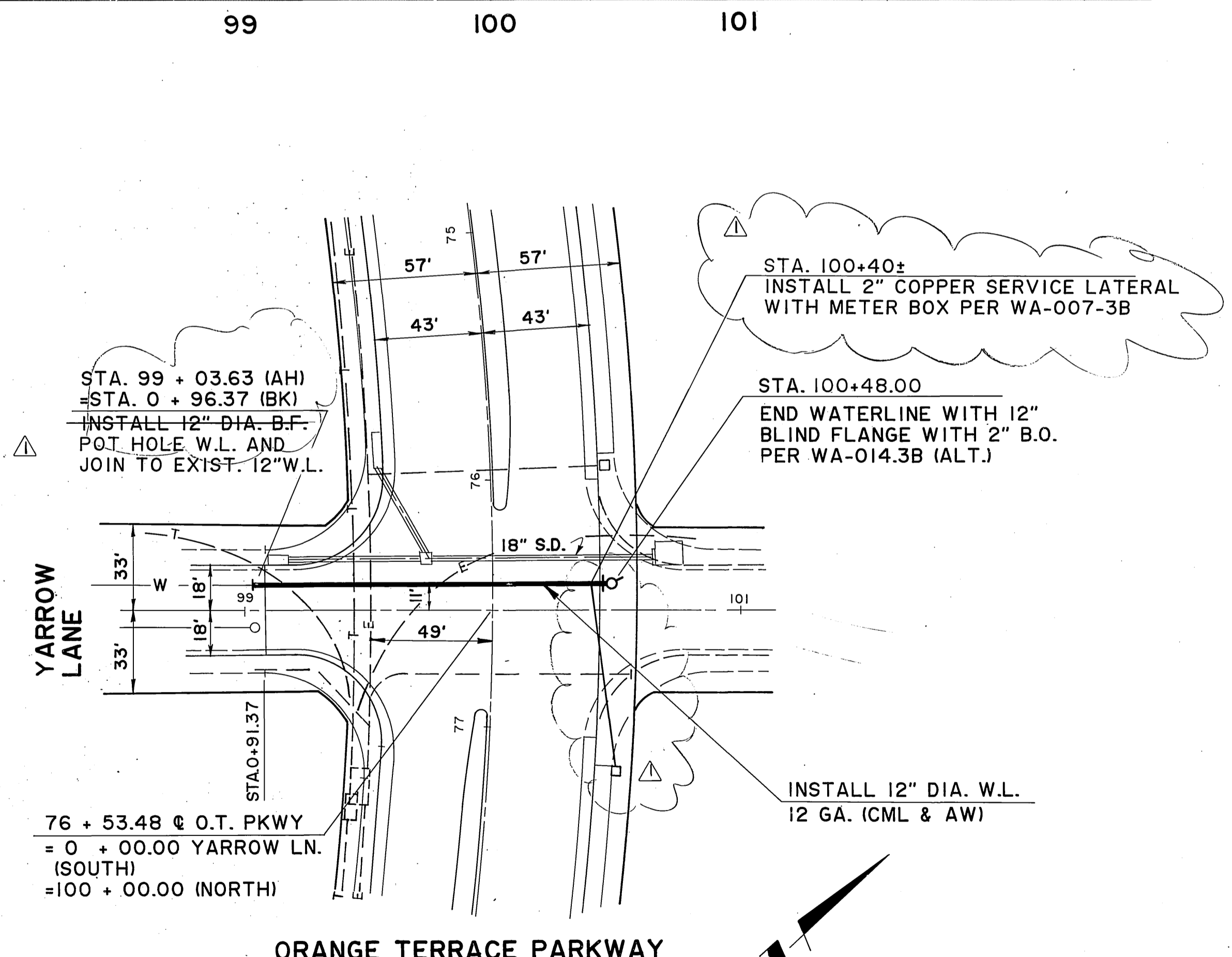
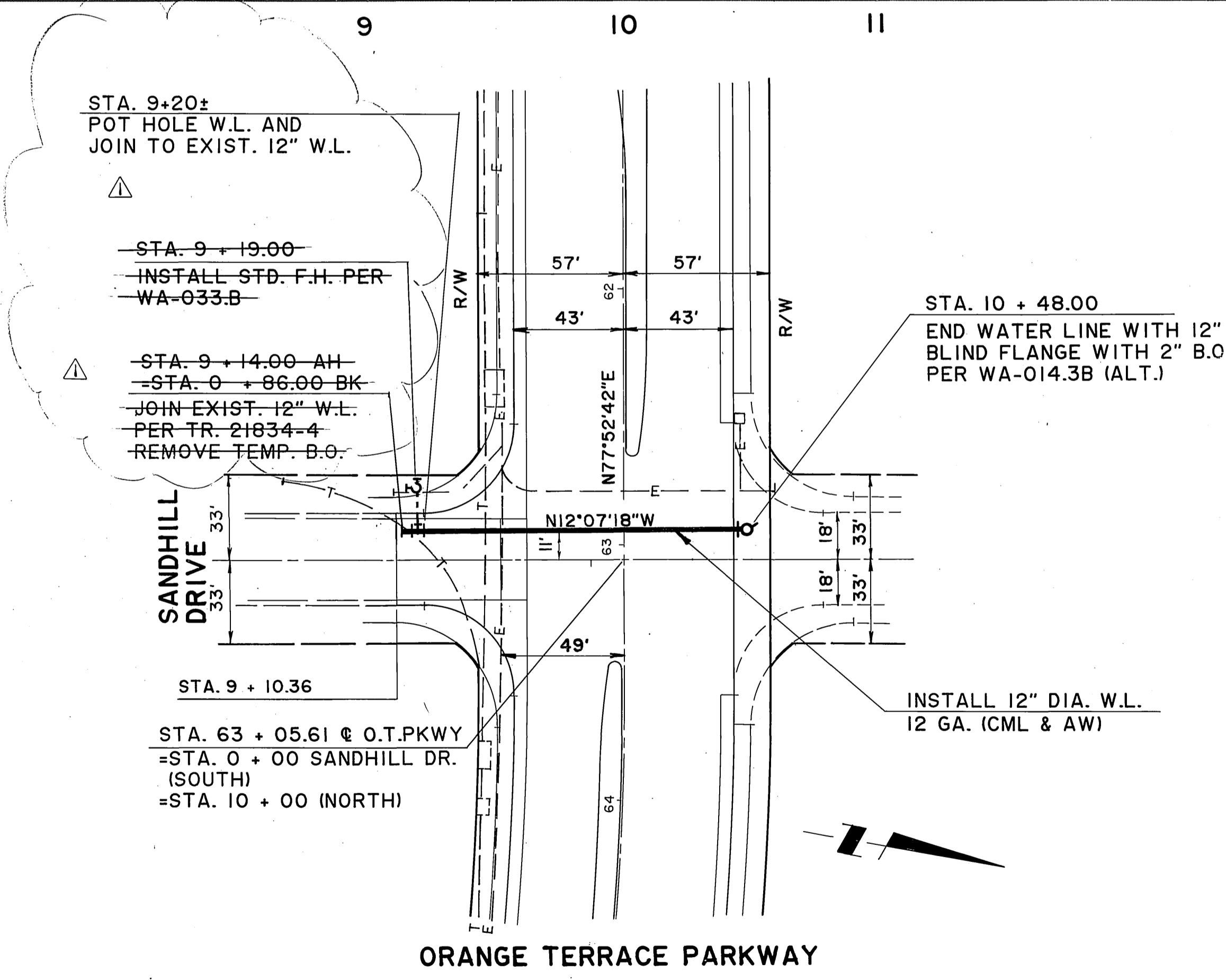
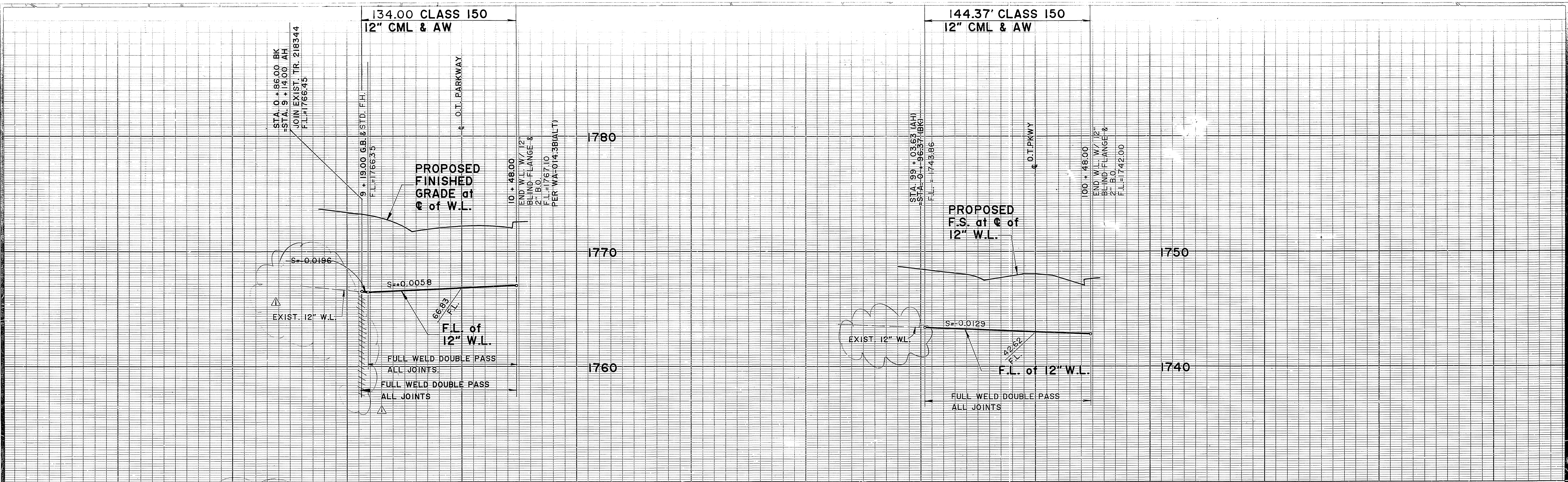
CFD 86-1-3
WATER IMPROVEMENT PLANS
ORANGE TERRACE PKWY
12" WATER LINE
STA. 97 + 94.06 TO STA. 105 + 61.00

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

PROJECT NO.
R-2971

SHEET
95 OF **106**

FILE NO.: 8710058



ORANGE TERRACE PARKWAY

AS BUILT

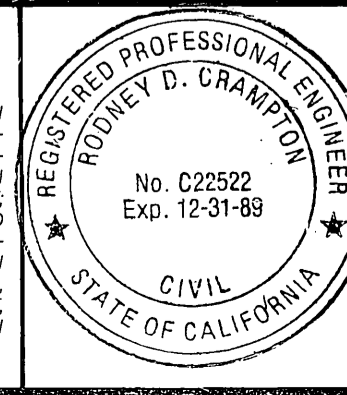
APPROVED BY: _____
DATE: _____

* INCLUDES SHEET No.'s
IA, 3A, 24A, 68A, 68B, 68C, 68D & 71A.

Approved by Western Municipal Water District for Construction
 Chief Engineer, RCE 17984
 Date: 10.3.88
 VOID AFTER 1 YEAR FROM THIS DATE

Underground Service Alert
 Call: TOLL FREE
 1-800-422-4133
 TWO WORKING DAYS BEFORE YOU DIG

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 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
 Rodney D. Campbell
 REGISTERED CIVIL ENGINEER No. 22522
 EXPIRATION DATE: 12/31/89 DATE: 5-29-88
 APPROVED BY: _____

J.F. Davidson Associates, Inc.
 ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE
 3880 Lemon Street, Suite 300 P.O. Box 493 Riverside, CA 92502 (714) 686-0544 FAX 714-686-5954
 11200 S. Mt. Vernon Ave., Suite "D" Colton, CA 92324 (714) 825-1082
 73-080 El Paseo, Suite 106 Palm Desert, CA 92260 (619) 346-5691 FAX 619-340-9529

SCALE: _____ BENCH MARK: SEE SHEET No. 1
 DATE: JUN 1988

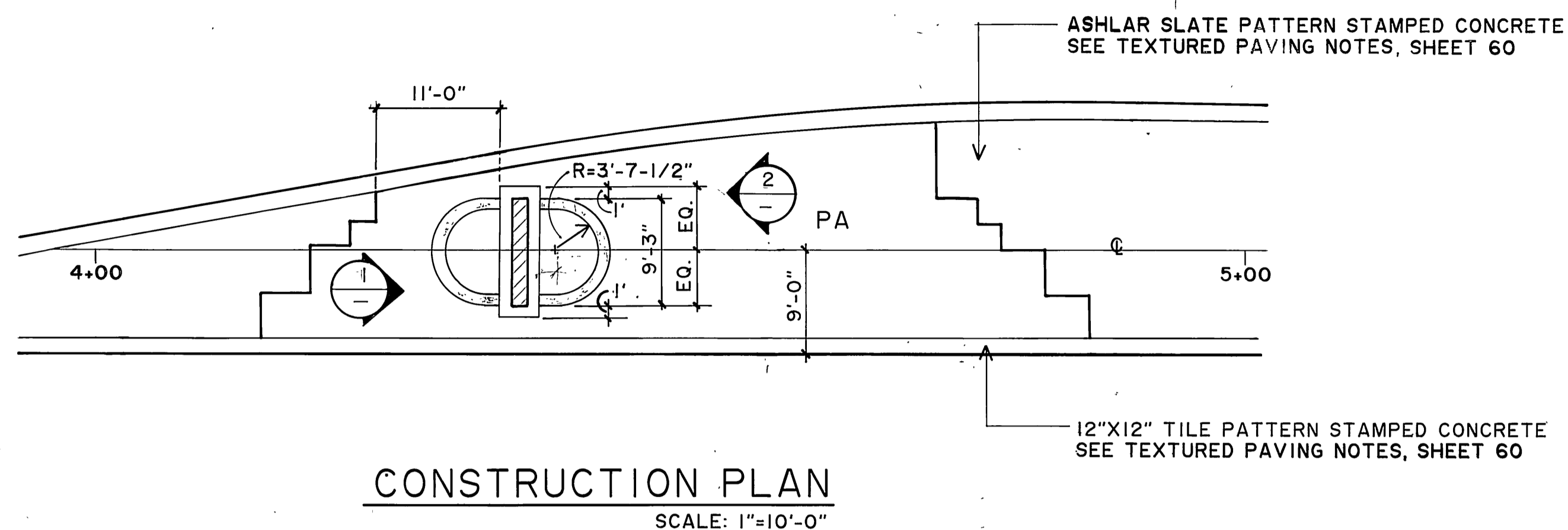
DESIGNED BY	DRAWN BY	CHECKED BY
AS BUILT.	REVISIONS	APPR. DATE

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: _____
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF P.W. ENGR. WA 3.22
 DATE: 3/23/89

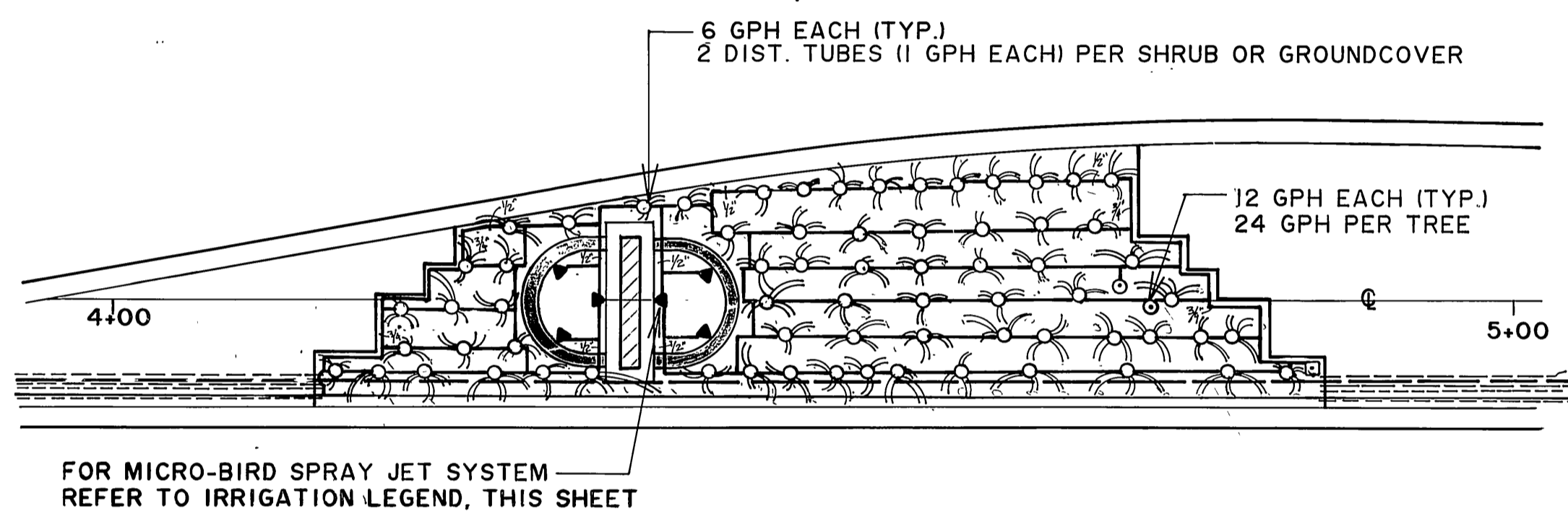
CFD 86-1-3
 WATER IMPROVEMENT PLANS
 ORANGE TERRACE PKWY
 INTERSECTIONS-SANDHILL DR. & YARROW LN.
 12" WATER LINE

PROJECT NO.
R-2971
 SHEET **96** OF **106**
 FILE NO.: 8710058

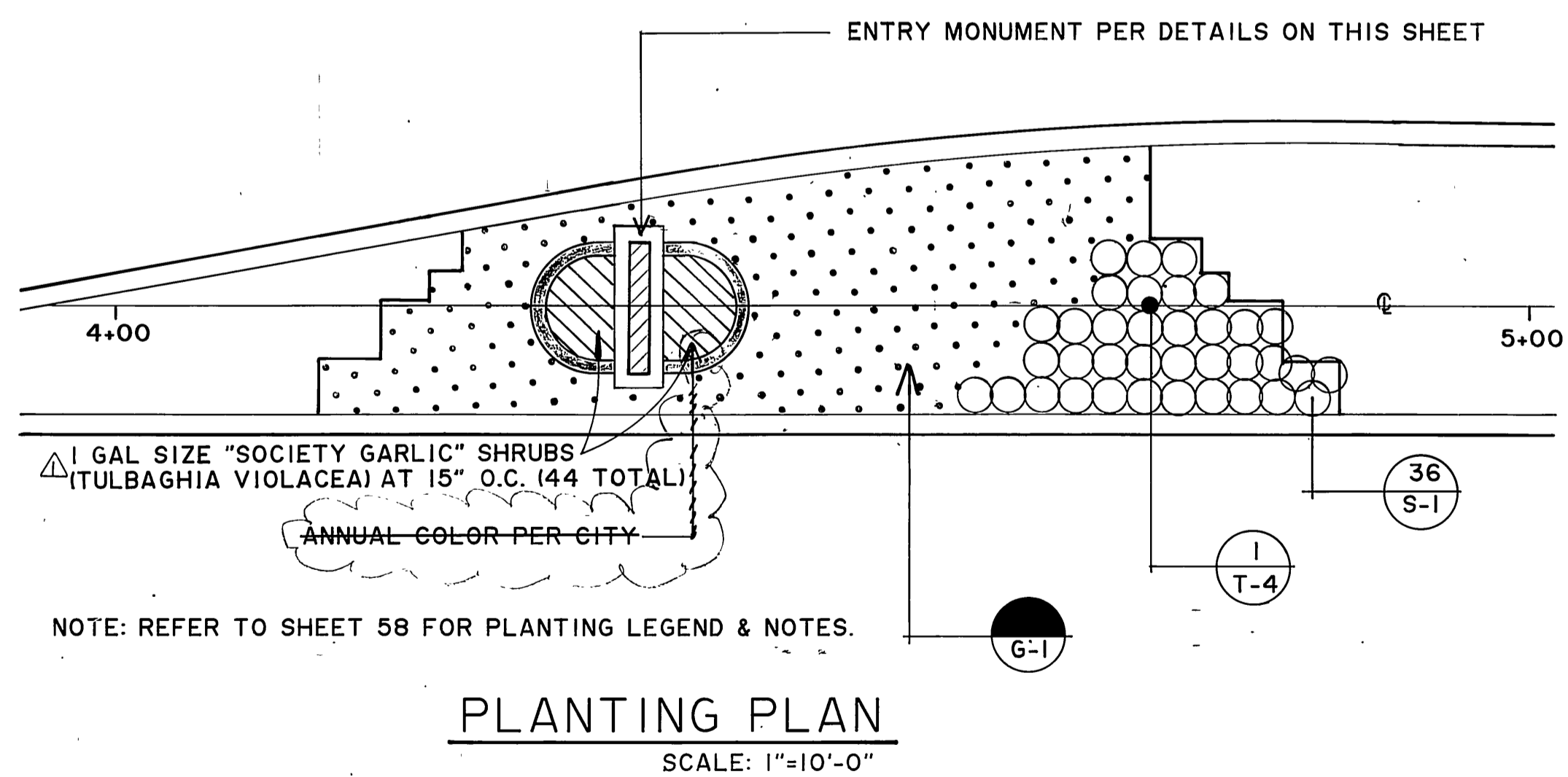
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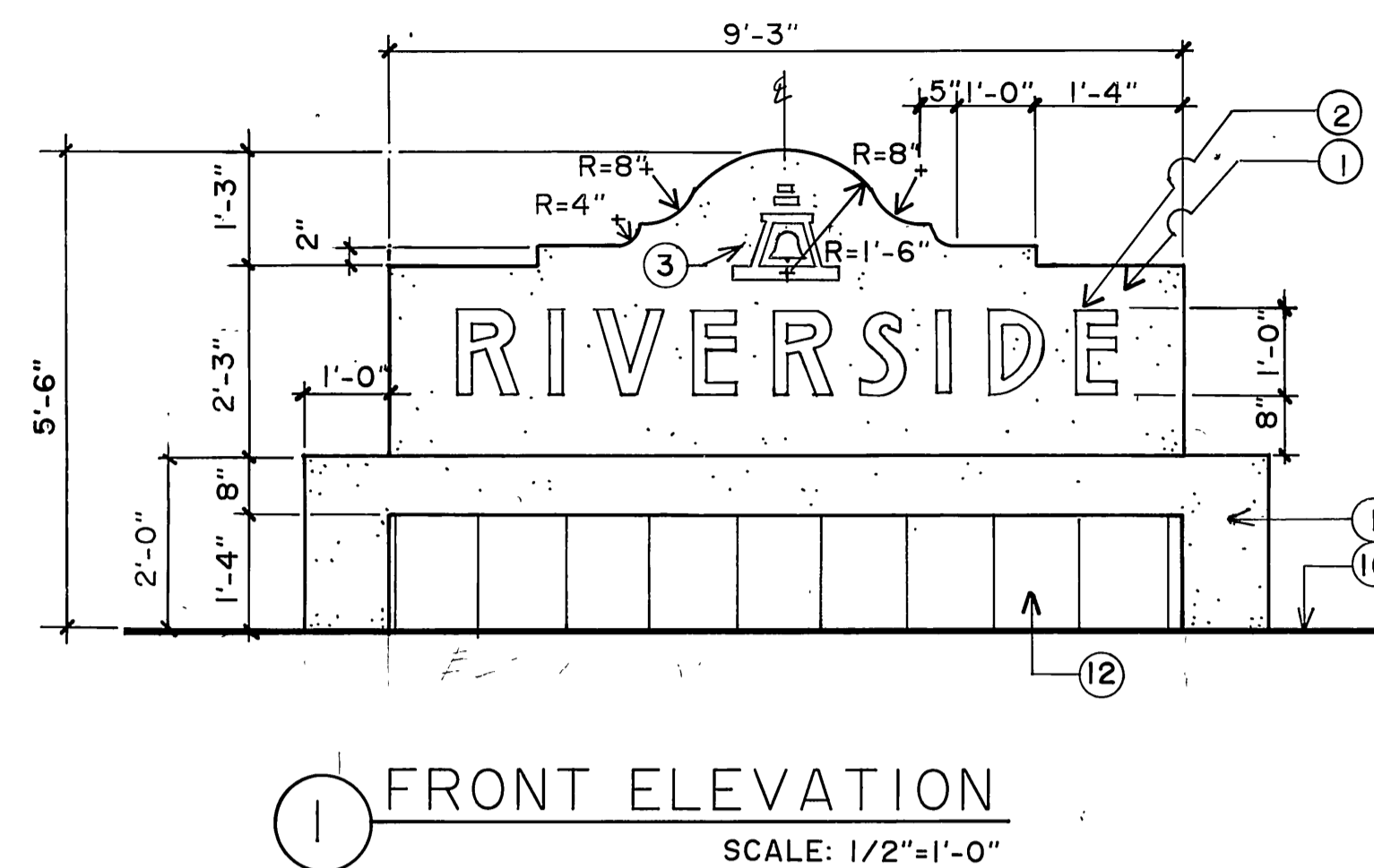
CONSTRUCTION PLAN
SCALE: 1"=10'-0"



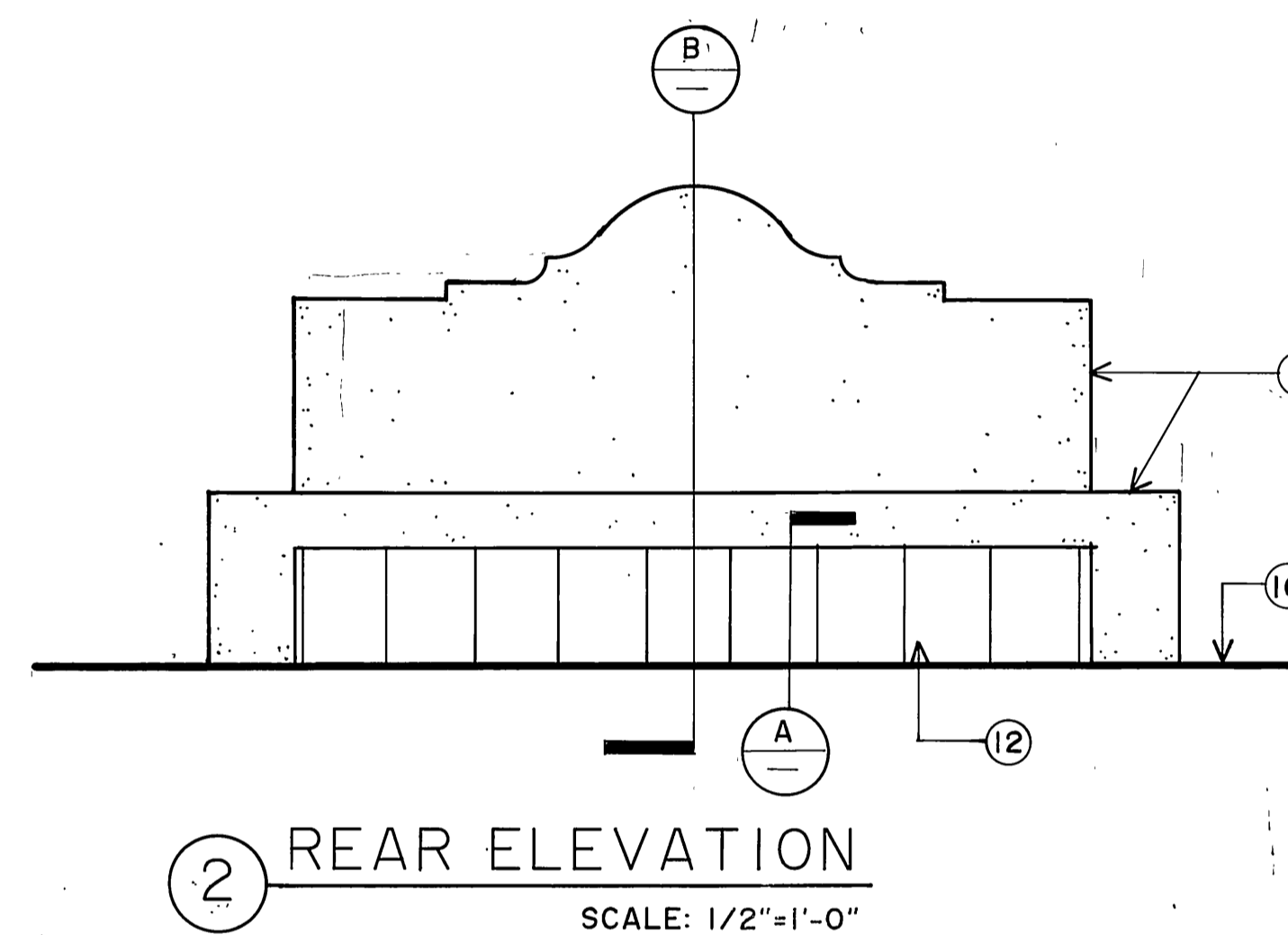
IRRIGATION PLAN
SCALE: 1"=10'-0"



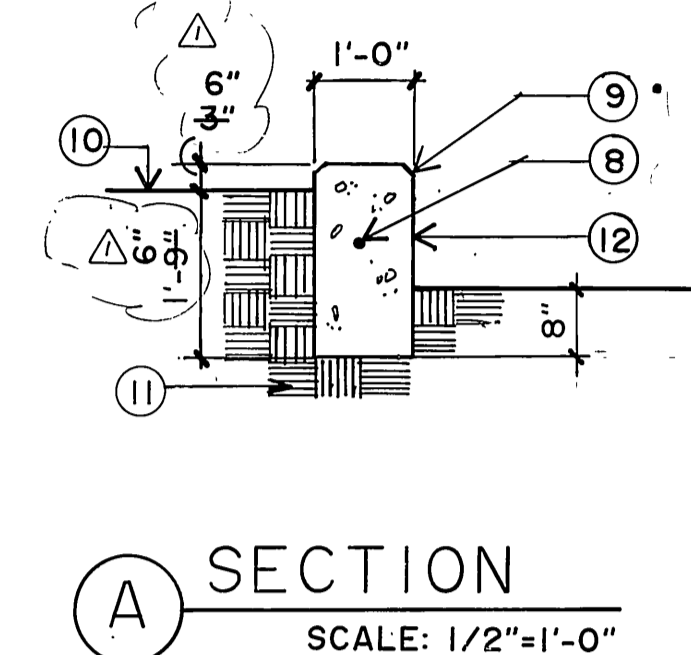
PLANTING PLAN
SCALE: 1"=10'-0"



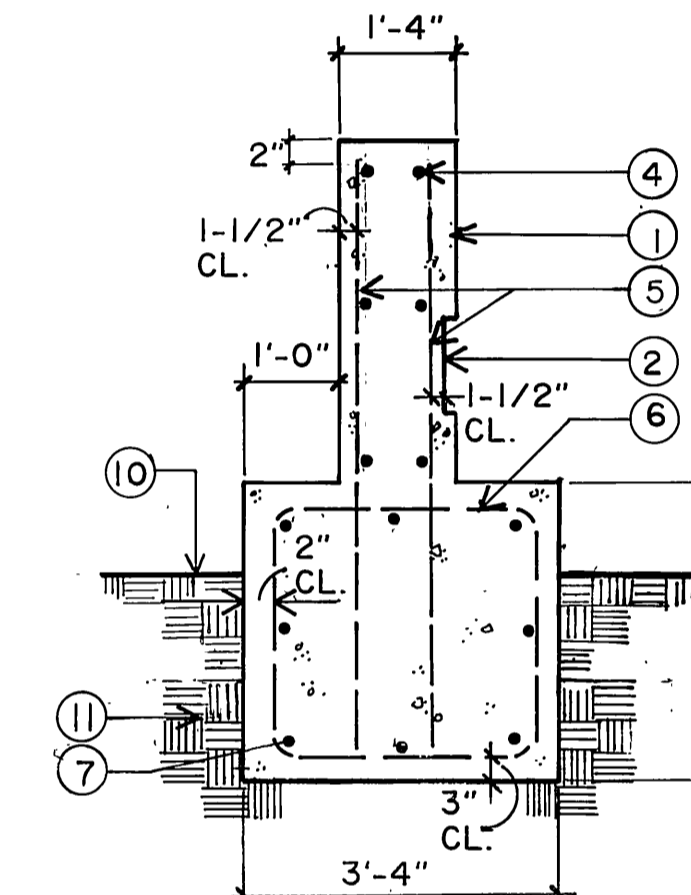
FRONT ELEVATION
SCALE: 1/2"=1'-0"



REAR ELEVATION
SCALE: 1/2"=1'-0"



SECTION A
SCALE: 1/2"=1'-0"



SECTION B
SCALE: 1/2"=1'-0"

CONSTRUCTION LEGEND

1. WHITE CEMENT CONCRETE, FINISH: LIGHT SANDBLAST. $f_c = 2900$ PSI AT 28 DAYS
2. 1-1/2" RECESSED LETTERING PAINT COLOR, TERRA COTTA BROWN (SIGN LETTER TYPE-STYLE, SIZE AND COLOR TO BE SELECTED BY CITY OF RIVERSIDE)
3. 1-1/2" RECESSED RAINCROSS SIGN (LOGO DESIGN AND COLOR TO BE SELECTED BY CITY OF RIVERSIDE)
4. #4 REBAR CONT. 3-EACH FACE
5. #4 REBAR 24" O.C. STAGGERED EACH FACE
6. #3 REBAR 18" O.C.
7. (8) #5 REBAR
8. #3 REBAR CONT.
9. 1" CHAMFER EDGE
10. FINISH GRADE
11. 90% COMPACTED SUBGRADE
12. CONC. WALL - SCORE 12"X12" TILE PATTERN TO MATCH CONC. BAND COLOR OF CONC. TO BE NO. C-22, CORAL RED CHROMIX ADMIXTURE BY L. M. SCOFIELD

IRRIGATION LEGEND (THIS SHEET)

SYMBOL	MAKE	MODEL #	PSI	GPH	RAD.
▼	RAIN BIRD	MS05-180 W/1800-MBA W/ PA-8S SHRUB ADAPTER OVER A 1/2"X12" SCH. 80 PVC RISER	25	6.1	4.9
	MICRO-BIRD SPRAY-JET				

AS BUILT
APPROVED BY: _____
DATE: _____

* INCLUDES SHEET No.'s
1A, 3A, 24A, 68A, 68B, 68C, 68D, & 71A.

Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
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REGISTERED PROFESSIONAL ENGINEER
No. 35458
Exp. 7/31/91
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
Shirley K. Sun
REGISTERED CIVIL ENGINEER NO. 35458
EXPIRATION DATE: 7/31/91 DATE: 2/14/88
APPROVED BY: _____

J.F. Davidson Associates, Inc.
ENGINEERING PLANNING SURVEYING ARCHITECTURE LANDSCAPE ARCHITECTURE
3880 Lemon Street, Suite 300 P.O. Box 493 Riverside, CA 92502 (714) 686-0844 FAX 714-686-5954
11200 S. Mt. Vernon Ave., Suite 107 Colton, CA 92324 (919) 346-5591 FAX 619-340-0529

SCALE: AS SHOWN BENCH MARK: _____
DATE: AUG. 1988

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
APPROVED BY: _____ BY: *Benny Red* DATE: 12-23-81
PARK DEPARTMENT DIRECTOR OF PUBLIC WORKS
TRAFFIC DIVISION
CHIEF P.W. ENGR. DATE: 3/23/81

CFD 86-1
CONST./PLANTING/IRRIGATION
ENTRY SIGN PLAN
TRAUTWEIN ROAD
HORIZ. SCALE: 1" VERT. SCALE: 1"

PROJECT NO. R-2971
SHEET 97 OF 106
FILE NO. 8710058