



**PUBLIC WORKS SPECIFICATIONS  
FOR  
THE CITY OF BANNING**

**January 1, 1983**



# CITY OF BANNING

161 West Ramsey Street • P. O. Box 998  
Banning, California 92220  
Telephone (714) 849-4511

March 10, 1983

SUBJECT: PUBLIC WORKS SPECIFICATIONS FOR THE CITY OF BANNING

The City Council on February 28, 1983, adopted by Resolution 1983-07 the "1983 PUBLIC WORKS SPECIFICATIONS FOR THE CITY OF BANNING," and as amended from time to time. Said Specifications were compiled and approved by the following departments:

1. Engineering
2. Wastewater
3. Water
4. Street
5. Building
6. Fire
7. Electric

In the same resolution, the 1982 Edition of the Standard Specifications for Public Works Construction popularly known as the "Green Book", authored by the Joint Cooperative Committee of the Southern California Chapters of the American Public Works Association and Associated General Contractors of California, as amended and as modified by each of the above departments, from time to time, was adopted by reference.

The "1983 Public Works Specifications for the City of Banning" are effective and will be enforced with each street work permit, design project and City Construction project on or after February 28, 1983.

Sincerely yours,

*Jerry Y. Jensen*

Jerry Y. Jensen  
City Engineer/Director of Public Works

JYJ/js

Enclosure: Resolution 1983-07

I N D E X

T O

STANDARD SPECIFICATIONS AND DRAWINGS

<u>PAGE</u>	<u>TITLE</u>	<u>STANDARD NUMBER</u>
1	<u>SECTION 1: SUPPLEMENTAL STANDARD PROVISIONS</u>	-
6	1A: ADDENDUM TO STANDARD PROVISIONS FOR WATER SYSTEM CONSTRUCTION	-
19	1B: ADDENDUM TO STANDARD PROVISIONS FOR STORM DRAIN WORK.	-
21	1C: ADDENDUM TO STANDARD PROVISIONS FOR ELECTRIC WORK CONSTRUCTION.	-
23	1D: ADDENDUM TO STANDARD PROVISIONS FOR SITE GRADING WORK	-
25	<u>SECTION 2: GENERAL - DESIGN CRITERIA</u>	-
41	<u>SECTION 3: STANDARD DRAWINGS</u>	-
	3A: STREET SECTIONS	
41	MAJOR HIGHWAY	ST-101
42	SECONDARY HIGHWAY	ST-102
43	LOCAL STREET	ST-103
44	RESTRICTED LOCAL STREET	ST-106
45	PART WIDTH RIGHT-OF-WAY	ST-107
46	TYPICAL STREET SECTION	ST-108
47	GENERAL NOTES	ST-109
48	GENERAL NOTES	ST-109-A
49	TYPE "A" CURB	C-200
50	TYPE "B" CURB	C-201
51	TYPE "C" CURB	C-202
52	TYPE "D" CURB	C-203
53	TYPE "E", "F", & "G" CURB	C-204
54	CURB & GUTTER JOINTS	C-205
55	CURB TRANSITION ON TANGENT	C-206
56	CURB & GUTTER TRANSITION	C-207
57	DEPRESSED CURB FOR DRIVEWAYS <i>DRIVEWAY APPROACH</i>	C-208
58	DEPRESSED CURB FOR DRIVEWAYS	C-210
59	CURB & GUTTER & SIDEWALK REMOVAL	C-211

<u>PAGE</u>	<u>TITLE</u>	<u>STANDARD NUMBER</u>
60	CROSS GUTTER LAYOUT	C-212
61	CROSS GUTTER	C-213
62	SPECIAL CROSS GUTTER	C-214
63	GRAPH FOR SPECIAL CROSS GUTTER	C-214A
64	SIDEWALK AND PARKWAY	C-215
65	WHEEL CHAIR RAMP	C-216
	3C: DRAINAGE	
66	CATCH BASIN NO. 1	D-300
67	CATCH BASIN NO. 4	D-301
68	CATCH BASIN NO. 4 NOTES	D-302
69	CATCH BASIN NO. 6	D-303
70	CATCH BASIN OPENING DETAIL	D-304
71	CATCH BASIN REINFORCEMENT	D-305
72	LOCAL DEPRESSION NO. 2	D-306
73	LOCAL DEPRESSION NO. 3	D-307
74	MANHOLE NO. 1	D-308
75	MANHOLE NO. 1 NOTES	D-308A
76	MANHOLE NO. 2	D-309
77	PIPE SUPPORT ACROSS TRENCHES	D-310
78	SANITARY SEWER PROTECTION	D-311
	3D: ALLEY	
79	TYPICAL ALLEY AND ALLEY APRON SECTIONS	A-500
	3E: SEWER	
80	SEWER LATERALS HOUSE CONNECTION	S-600
81	SEWER LATERALS HOUSE CONNECTION	S-600A
82	PRE-CAST CONCRETE MANHOLE (ECCENTRIC)	S-601
83	SHALLOW MANHOLE	S-602
84	TRENCH-CUT DETAIL	S-606
85	CONCRETE CRADLE FOR SEWER	S-607
86	CONCRETE ENCASEMENT FOR SEWER PIPE	S-608
87	CONCRETE ENCASEMENT FOR EXISTING SEWER PIPE	S-609
88 ( A - D )	SEPARATION REQUIREMENTS FOR SEWERAGE AND WATER SUPPLY FACILITIES	S-610
89	STANDARD CLEANOUT	S-611
90	REMODELING DETAILS, HOUSE SEWER CONNECTION	S-612
91	REMODELING DETAILS, HOUSE SEWER CONNECTION	S-612A
92	REMODELING DETAILS, HOUSE SEWER CONNECTION	S-612B
93	GENERAL NOTES	S-613
	3F: WATER	
94	TRENCH DETAIL	W-700
95	PIPE ENCASEMENT DETAIL	W-701
96	SPECIAL BEDDING DETAIL	W-702
98	WELDED STEEL PIPE DETAIL	W-704
99	STEEL FLANGES	W-705

<u>PAGE</u>	<u>TITLE</u>	<u>STANDARD NUMBER</u>
	3F: WATER (Cont'd)	
100	STEEL PIPE CASING	W-706
101	STEEL PIPE JOINT DETAILS	W-707
102	2" BLOWOFF INSTALLATION DETAIL	W-708
103	GATE VALVE INSTALLATION DETAIL	W-709
104	BUTTERFLY VALVE INSTALLATION DETAIL	W-710
105	VALVE BOX INSTALLATION DETAIL	W-711
106	PIPE CLEANING TOOL DETAIL	W-712
107	1" or 2" AIR VALVE INSTALLATION	W-713
108	6" RESIDENTIAL FIRE HYDRANT INSTALLATION DETAIL	W-714
109	6" COMMERCIAL FIRE HYDRANT INSTALLATION DETAIL	W-715
110	FIRE HYDRANT SPOTTER	W-716
111	1" & 2" SERVICE CONNECTION DETAIL	W-717
112	1" & 2" SERVICE CONNECTION DETAIL (EXISTING MAINS)	W-718
113	SERVICE INSTALLATION DETAIL 1" DIA	W-719
114	SERVICE INSTALLATION DETAIL SINGLE 2" DIA	W-720
115	METER SERVICE INSTAL. DET. 3" & LARGER	W-721
116	COMBINED FIRE & DOMESTIC SERV INSTAL 4",6",8"	W-722
117	DOUBLE CHECK VALVE ASSEMBLY BACKFLOW PREVENTER DEVICE	W-723
118	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION DEVICE	W-724
119	APPROVED DOUBLE CHECK DETECTOR CHECK ASSEMBLY	W-725
120	THRUST BLOCK DETAIL	W-726
121	THRUST BLOCK DETAIL CLASS 200	W-727
122	THRUST BLOCK DETAIL CLASS 200	W-728
123	4" BLOW OFF INSTALLATION	W-729
124	GENERAL NOTES	W-730
	3G: MISCELLANEOUS	
125	TYPICAL CUL-DE-SAC	G-800
126	TEMPORARY TURN-AROUND AT DEAD-END STREET	G-801
127	TYPICAL BARRICADE	G-802
128	GUIDE MARKER	G-803
	STREET SIGN	G-805
129	STANDARD KNUCKLE	G-806
130	STANDARD CITY TITLE BLOCK	G-807
	3H: MONUMENT	
131	SURVEY MONUMENT	M-900
132	NOTES FOR: SURVEY MONUMENT	M-900A
	3I: GRADING	
134	EXTERIOR LOT REAR YARD GRADING LIMIT	GR-800
135	"	800A
136	EXTERIOR LOT SIDE YARD GRADING LIMIT	801
137	INTERIOR LOT REAR YARD GRADING LIMIT	802

PAGE

TITLE

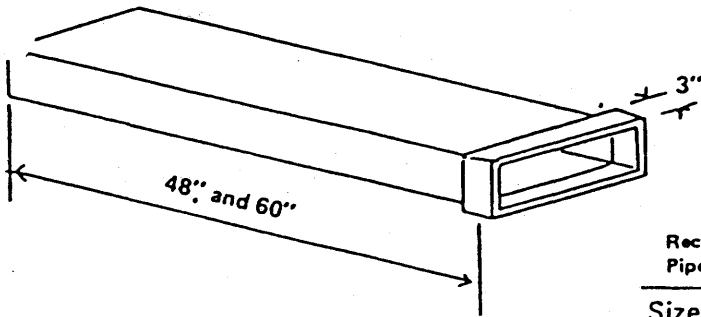
STANDARD  
NUMBER

138	INTERIOR LOT SIDEYARD GRADING LIMIT	GR-803
139	DRAINAGE CHANNELS AND MISC. LOT DRAINS	GR-804
140	GRADING DETAILS FOR EXTENDED DEPTH FOOTINGS	GR-805
141	SET BACK AND MISC. SITE GRADING DETAILS	GR-806
142	GENERAL NOTES	GR-807
143	GENERAL NOTES-GRADING	GR-807A
144	GENERAL NOTES-GRADING	GR-807B

# UNDER SIDEWALK

SALES • FABRICATORS • CONTRACTORS

# DRAIN PIPE TRANSITE



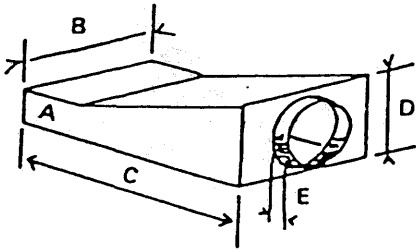
Rect. Pipe.	Round Pipe Eq.
Size 1	4"
2	6"
3	8"



## ASBESTOS-FREE GRADE!

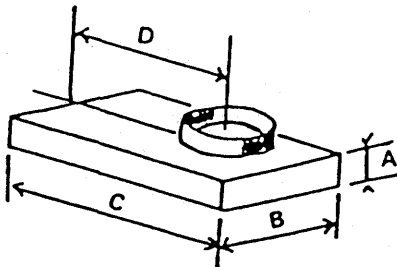
SIZE	Outside Dimension	Inside Dimension	Transverse Area Net	Weight	List Price 48" Length	Weight	List Price 60" Length
1	5-1/2 x 3-3/4	5 x 3	15.00 Sq. In.	20 lbs.		25 lbs.	16.40
2	8-1/2 x 4-1/4	8 x 3-1/2	28.00 "	28 "		36 "	17.60
3	16-7/8 x 4-1/2	15-1/8 x 3-1/2	52.94 "	65 "		78 "	19.40

### TYPE - L ROUND TO RECTANGULAR PIPE ADAPTOR



SIZE	A	B	C	D	E	Weight	List Price
1	3-3/4	5-1/2	8	6	2	5 lbs.	5.45
2	4-1/4	8-1/2	12	8	2	10-1/2	6.20
3	4-1/2	15-7/8	16-1/2	10	2-1/2	31 lbs.	14.50

### TYPE - T ADAPTOR



SIZE	A	B	C	D	Weight	List Price
1	3-3/4	5-1/2	8	5	4 lbs.	4.90
2	4-1/4	8-1/2	10	6	8-1/2	5.50
3	4-1/2	15-7/8	18	7	28	6.20

WESTERN SPECIALTY PRODUCTS  
1908 OAK STREET  
TORRANCE, CA 90501  
213-533-1586  
714-634-2228

3/15/88  
JK

RESOLUTION NO. 1983- 07

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BANNING, CALIFORNIA, RESCINDING RESOLUTION 1982-50 AND ADOPTING THE 1983 PUBLIC WORKS SPECIFICATIONS FOR THE CITY OF BANNING.

SECTION 1: That the City of Banning Resolution 1982-50 adopting the 1982 Edition of the "Standard Specifications for Public Works Construction" be rescinded.

SECTION 2: That the City Council of the City of Banning hereby adopt the 1983 Public Works Specifications for the City of Banning, and as amended from time to time.

One (1) copy of said specifications having been filed in the office of the Banning Engineering Department.

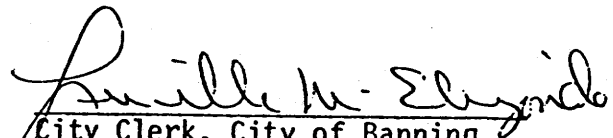
SECTION 3: That the 1982 Edition of the Standard Specifications for Public Works Construction popularly known as the "Green Book", authored by the Joint Cooperative Committee of the Southern California Chapters of the American Public Works Association and Associated General Contractors of California, and as amended from time to time, is hereby designated and adopted by reference as part of the 1983 Public Works Specifications described in Section 2 of this Resolution.

One (1) copy of said specifications having been filed in the office of the Banning Engineering Department.

CERTIFICATION

I, Lucille M. Elizondo, City Clerk of the City of Banning, California, do hereby certify that the foregoing resolution was regularly introduced and adopted at a regular meeting of said City Council duly called and held on the 28th day of February, 1983, and was duly passed and adopted by the following vote, to wit:

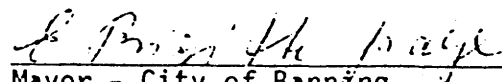
AYES        Councilmember Burgess, Williams, Mc Cabe, Crawford, Mayor Page  
NOES:        None  
ABSTAIN:    None  
ABSENT:     None

  
\_\_\_\_\_  
City Clerk, City of Banning  
California

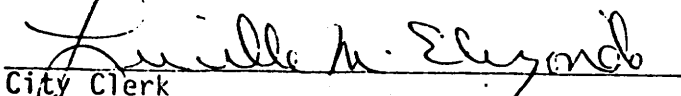
( S E A L )

SECTION 4: The City Clerk shall certify to the passage of this Resolution and shall cause the same to be published in the Record Gazette, a newspaper of general circulation, printed and published in the City of Banning, in the manner prescribed by law.

MOVED, PASSED AND ADOPTED this 28th day of February, 1983.

  
\_\_\_\_\_  
Mayor - City of Banning

ATTEST:

  
\_\_\_\_\_  
City Clerk

RESOLUTION NO. 1983-07

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BANNING, CALIFORNIA, RESCINDING RESOLUTION 1982-50 AND ADOPTING THE 1983 PUBLIC WORKS SPECIFICATIONS FOR THE CITY OF BANNING.

SECTION 1: That the City of Banning Resolution 1982-50 adopting the 1982 Edition of the "Standard Specifications for Public Works Construction" be rescinded.

SECTION 2: That the City Council of the City of Banning hereby adopt the 1983 Public Works Specifications for the City of Banning, and as amended from time to time.

One (1) copy of said specifications having been filed in the office of the Banning Engineering Department.

SECTION 3: That the 1982 Edition of the Standard Specifications for Public Works Construction popularly known as the "Green Book", authored by the Joint Cooperative Committee of the Southern California Chapters of the American Public Works Association and Associated General Contractors of California, and as amended from time to time, is hereby designated and adopted by reference as part of the 1983 Public Works Specifications described in Section 2 of this Resolution.

One (1) copy of said specifications having been filed in the office of the Banning Engineering Department.

SECTION 4: The City Clerk shall certify to the passage of this Resolution and shall cause the same to be published in the Record Gazette, a newspaper of general circulation, printed and published in the City of Banning, in the manner prescribed by law.

MOVED, PASSED AND ADOPTED this 28th day of February, 1983

E. Brian Page  
Mayor - City of Banning

ATTEST:  
Ruella M. Elzynda  
City Clerk

CERTIFICATION

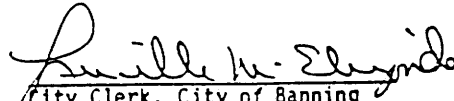
I, Lucille M. Elizondo, City Clerk of the City of Banning, California, do hereby certify that the foregoing resolution was regularly introduced and adopted at a regular meeting of said City Council duly called and held on the 28th day of February, 1983, and was duly passed and adopted by the following vote, to wit:

AYES        Councilmember Burgess, Williams, Mc Cabe, Crawford, Mayor Page

NOES:       None

ABSTAIN:   None

ABSENT:    None

  
City Clerk, City of Banning  
California

( S E A L )

SECTION 1

SUPPLEMENTAL STANDARD PROVISIONS  
FOR USE IN CONJUNCTION WITH THE  
AGC/APWA STANDARD SPECIFICATIONS  
FOR PUBLIC WORKS CONSTRUCTION.

SUPPLEMENTAL STANDARD PROVISIONS  
FOR USE IN CONJUNCTION WITH THE  
AGC/APWA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION  
IN THE CITY OF BANNING, CALIFORNIA

The numbering system used for these Supplemental Standard Provisions parallels that used in the AGC/APWA Standard Specifications for Public Works Construction, and numbers are preceded by the letters B. Any paragraph in these special provisions supersedes the paragraph of the same number in the Standard Specifications unless otherwise noted on drawings, project special provisions or contract documents. Any reference to the State Standard Specifications shall mean the latest (current) edition of the State of California, Department of Public Works, Division of Highways, Standard Specifications.

B- 2-1      AWARD AND EXECUTION OF THE CONTRACT

2-1.1      AWARD OF CONTRACT

The award of the contract, if it is awarded, will be to the lowest responsible bidder whose proposal complies with all requirements described. The award, if made, will be made within 35 days after the opening of the bids. All bids will be compared on the basis of the Engineer's estimate of quantities of work to be done.

2-1.2      EXECUTION OF CONTRACT

The contract shall be signed by the successful bidder and returned, together with the contract bonds, within 10 days, not including Sundays, after the bidder has received notice that the contract has been awarded. No proposal shall be considered binding upon the City until the execution of the contract by the City.

Failure to execute a contract and file acceptable bonds as provided herein within ten (10) days, not including Sundays, after the bidder has received notice that the contract has been awarded, shall be just cause for the annulment of the award and the forfeiture of the proposal guaranty.

The date of the contract shall be the date that the contract is executed by the City.

The bidder is required to examine carefully the site of, and the proposal plans, specifications, and contract forms for the work contemplated, and it will be assumed that the bidder has investigated and is satisfied as to the conditions to be encountered as to the character, quality, and quantities of work to be performed and materials to be furnished, and as to the requirements of the specifications, the Special Provisions, and the contract. It is mutually agreed that submission of a proposal shall be considered prima facie evidence that the bidder has made such examination.