

CITY OF GARDEN GROVE PUBLIC WORKS STANDARD PLANS

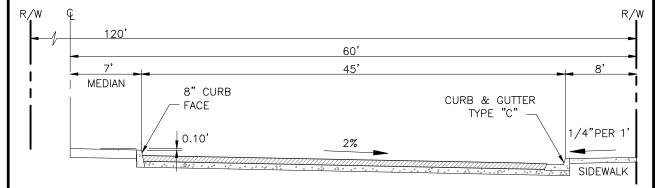
B- 99 TITLE SHEET FORMAT

SERIES B-100 STREET AND HIGHWAY

- B-101 MAJOR HIGHWAY TYPICAL SECTION
- B-102 PRIMARY HIGHWAY TYPICAL SECTION
- B-103 SECONDARY HIGHWAY TYPICAL SECTION
- B-104 LOCAL STREET TYPICAL SECTION
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- B-127 STREET TREE PLANTING DETAIL (DOUBLE STAKING)
- B-128 TYPICAL ARTERIAL/ARTERIAL INTERSECTION LAYOUT

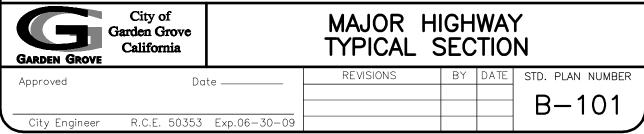
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	PLANS PREPARED UND	DER SUPERVISION	3.	FOR CON	SULTANTS NA	LOCK MAY BE USED AME AND OTHER
	DATE	R.C.E. No		NECESSA	RY INFORMAT	ION.
c						
	REFERENCE PLANS FO					
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D						
[SCRIPTION	APP'D			
		/ISIONS				
	WATER SERVICES MGR STREET DIVISION MGR					
	CITY TRAFFIC ENGR.					
" F [REAL PROPERTY AGENT_		J			
'	APPROVED BY: CITY EI THIS PLAN IS SIGNED [NGINEER R.C.E. N				
	ADHERENCE TO CITY S DEPARTMENT IS NOT R					
G [(TYPES OF IMPROVE	EMENT IN THIS S	PACE)	Η[DRAWING I	NUMBER
	(JOB TITLE& SHEET DES	CRIPTION IN THIS	S SPACE)			
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1.1/0"	4" 4" 3"	5"	4"	6"		."
1 1/2"	4" 4" 3" A B C	D D	E E	F	7 6	
			EAVY BORDER	•		1/2"
	City of	LI	NE 4 SIDES			
	Garden Grove California		TITLE S	HEEI	FUK	MAI
GARDEN G	-	e ————	REVISION	IS	BY DATE	STD. PLAN NUMBER
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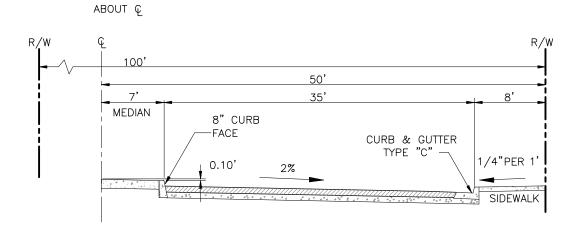
SECTIONS SYMMETRICAL ABOUT ©



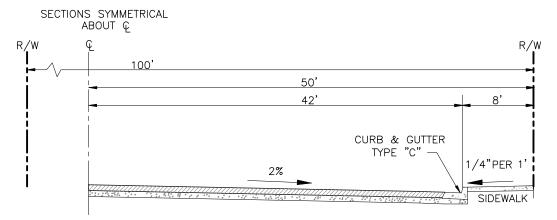
SECTION

- 1. THICKNESS OF IMPROVEMENT TO BE DETERMINED BY SOIL TEST, WITH MINIMUM OF 5" A.C. OVER 10" A.B.
- 2. PAINT BINDER SHALL BE SS-1H AND APPLIED AS DIRECTED BY CITY ENGINEER.
- 3. SEE STANDARD PLAN B-106 FOR DETAILS.
- 4. CONST. MIN. 6" AGGREGATE BASE UNDER CURB & GUTTER.
- 5. MINIMUM COMPACTION FOR A.C., A.B. AND UPPER 6" OF NATIVE SOIL IS 95% R.C.



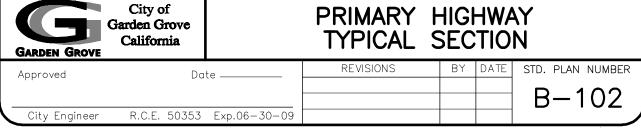


SECTIONS SYMMETRICAL

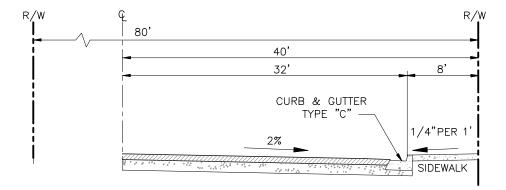


ALTERNATE SECTION

- 1. CONSTRUCT MIN. 6" AGGREGATE BASE UNDER CURB & GUTTER.
- 2. THICKNESS OF IMPROVEMENT TO BE DETERMINED BY SOILS TEST, WITH MINIMUM OF 5" A.C. OVER 10" A.B.
- 3. PAINT BINDER SHALL BE SS-1H AND APPLIED AS DIRECTED BY THE CITY ENGINEER.
- 4. MINIMUM COMPACTION FOR A.C., A.B. AND UPPER 6" OF NATIVE SOIL IS 95% R.C.



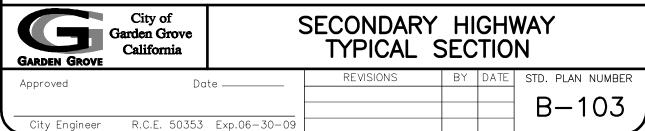
SECTIONS SYMMETRICAL ABOUT φ



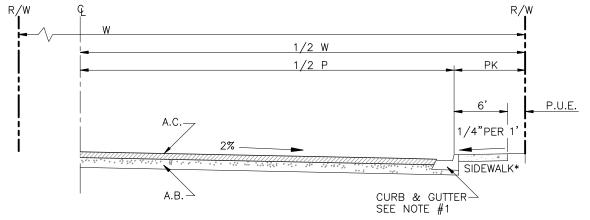
SECTION

NOTES:

- 1. CONSTRUCT MIN. 6" AGGREGATE BASE UNDER CURB & GUTTER.
- 2. THICKNESS OF IMPROVEMENT TO BE DETERMINED BY SOILS TEST, WITH MINIMUM OF $4^{\prime\prime}$ A.C. OVER $8^{\prime\prime}$ A.B.
- 3. PAINT BINDER SHALL BE SS-1H AND APPLIED AS DIRECTED BY CITY ENGINEER.
- 4. MINIMUM COMPACTION FOR A.C., A.B. AND UPPER 6" OF NATIVE SOIL IS 95% R.C.
 - * SIDEWALKS MAY NOT BE REQUIRED IN M-P ZONE. SEE STANDARD PLAN B-106 FOR SIDEWALK DETAILS.



G.G./B-103.DW



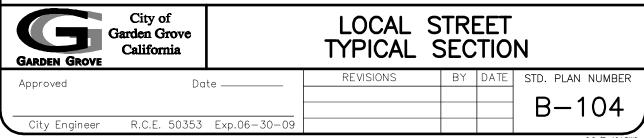
SECTION

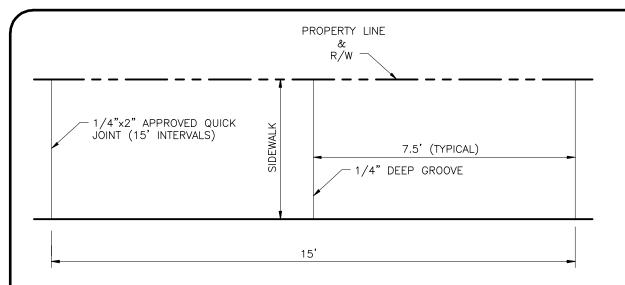
W	P	PK
50'	36'	7'
56'	36'	10'
60'	36'	12'

LEGEND

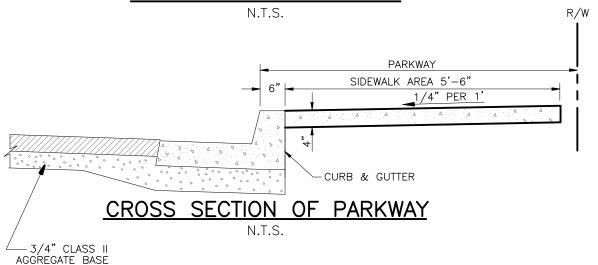
W= WIDTH OF R\W IN FEET
P= WIDTH OF STREET IN FEET
PK=WIDTH OF PARKWAY AND/OR SIDEWALK

- 1. CURB AND GUTTER SHALL BE TYPE "D", OR AS REQUIRED BY CITY ENGINEER.
- 2. THICKNESS OF IMPROVEMENTS TO BE DETERMINED BY SOIL TEST, WITH MINIMUM OF 3" A.C. OVER 6" A.B. (5" A.C. OVER 10" A.B. IN INDUSTRIAL AREAS.)
- 3. PAINT BINDER SHALL BE SS-1H AND APPLIED AS DIRECTED BY THE CITY ENGINEER.
- 4. CONSTRUCT 6" AGGREGATE BASE UNDER CURB & GUTTER.
- 5. MINIMUM COMPACTION FOR A.C., A.B. AND UPPER 6" OF NATIVE SOIL IS 95% R.C.
 - * SEE STD PLAN B-105 FOR RESIDENTIAL ZONES. SEE STD PLAN B-106 FOR COMMERCIAL & OFFICE PROFESSIONAL ZONES. SIDEWALKS MAY NOT BE REQUIRED IN M-P ZONE.

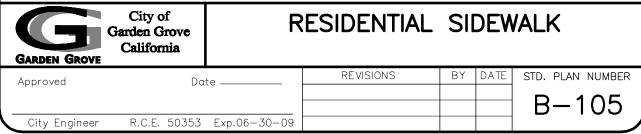


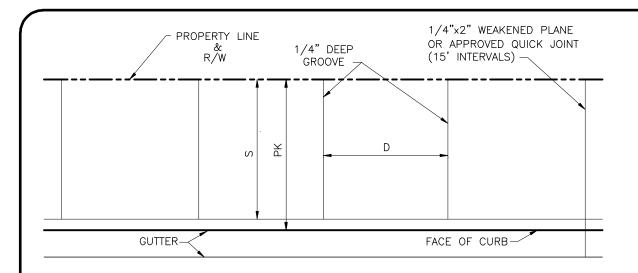


PLAN VIEW OF SIDEWALK

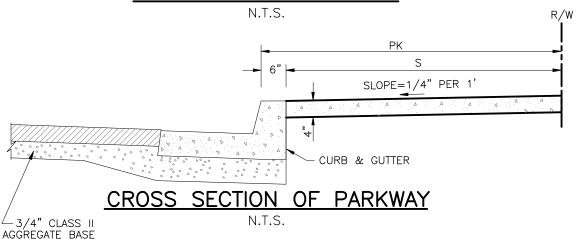


- 1. SIDEWALK SHALL BE CONSTRUCTED NEXT TO CURB.
- 2. 3/4"x4" FELT EXPANSION JOINTS SHALL BE PLACED AT THE ENDS OF ALL CURB RETURNS AND AT TOP OF DRIVEWAYS. 1/4"x2" WEAKENED PLANE JOINTS SHALL BE PLACED AT 15' INTERVALS. SCORING LINES SHALL BE PLACED AT 7-1/2' INTERVALS. EXPANSION JOINTS TO BE INSTALLED AT 45' MAXIMUM SPACING.
- 3. 1/4"x2" APPROVED QUICK JOINTS FOR SIDEWALK SHALL BE PLACED TO COINCIDE WITH JOINTS OF THE CURB.
- 4. ALL CONCRETE SHALL BE 5 1/2 SACK WITH 3/4" AGGREGATE AND 4" THICK.
- 5. 90% RELATIVE COMPACTION REQUIRED UNDER SIDEWALK.









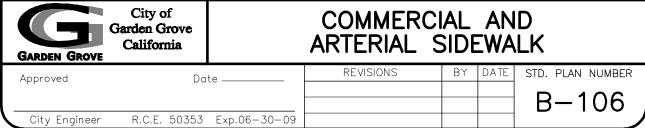
PK	S	D
7'	6.5	7.5'

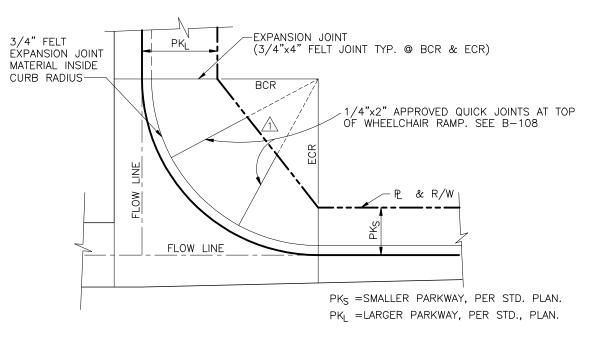
PK	S	D
8' 10' 12'	7.5' 9.5' 11.5' 12.5'	7.5' 7.5' 7.5' 7.5'

PK = WIDTH OF PARKWAY S = WIDTH OF SIDEWALK

D = DISTANCE BETWEEN SCORE LINES

- 1. 3/4"x4" FELT EXPANSION JOINTS SHALL BE PLACED AT THE ENDS OF ALL CURB RETURNS AND AT TOP OF "X" AT DRIVEWAYS. 1/4"x2" WEAKENED PLANE JOINTS SHALL BE PLACED AT 15' INTERVALS. SCORING LINES SHALL BE PLACED AT 7-1/2' INTERVALS. EXPANSION JOINTS TO BE INSTALLED AT 45' MAX. SPACING.
- 2. 1/4"x2" APPROVED QUICK JOINTS FOR SIDEWALK SHALL BE PLACED TO COINCIDE WITH JOINTS OF THE CURB.
- 3. REFER TO STD. PLAN B-305 FOR TRAFFIC CONTROL SIGN INSTALLATION.
- 4. ALL CONCRETE SHALL BE 5 1/2 SACK WITH 3/4" AGGREGATE AND 4" THICK.
- 5. 90% RELATIVE COMPACTION REQUIRED UNDER SIDEWALK.
- 6. S MAY BE REDUCED TO 5' WITH ADEQUATE PROVISION FOR MAINTENANCE OF REMAINING PARKING.





COMMERCIAL LANDING N.T.S.

	CORNER DATA
CURB RADIUS	APPLICATION-INTERSECTION OF:
25'	1. TWO LOCAL STREETS 2. LOCAL STREET & ARTERIAL HWY.
35'	TWO ARTERIAL HIGHWAYS

- 1. ALL CONCRETE SHALL BE 5 1/2 SACK WITH 3/4" AGGREGATE AND 4" THICK.
- 2. SEE STD. PLAN B-108 FOR WHEELCHAIR RAMPS.

GARDEN GROVE	City of Garden Grove California	SIDEWALK LANDINGS				
Approved	Da	te	REVISIONS	BY	DATE	STD. PLAN NUMBER
						B-107
City Engineer	R.C.E. 50353	Exp.06-30-09				

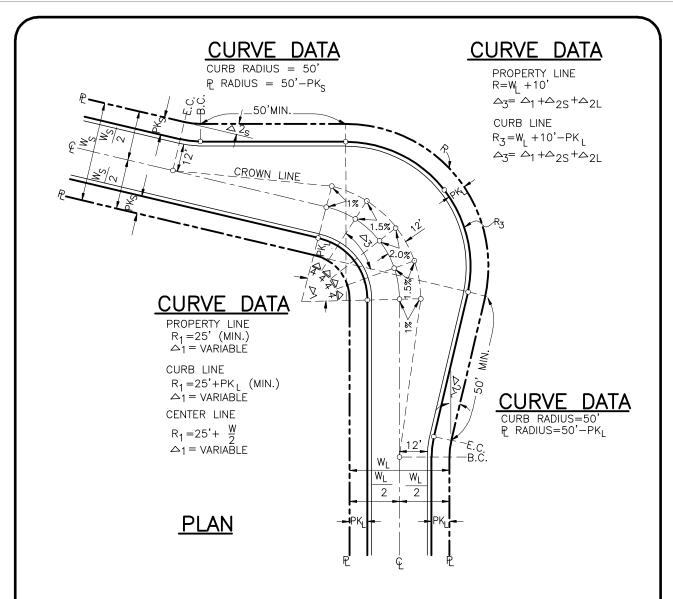


YOU MAY VISIT : www.dot.ca.gov FOR INFORMATION



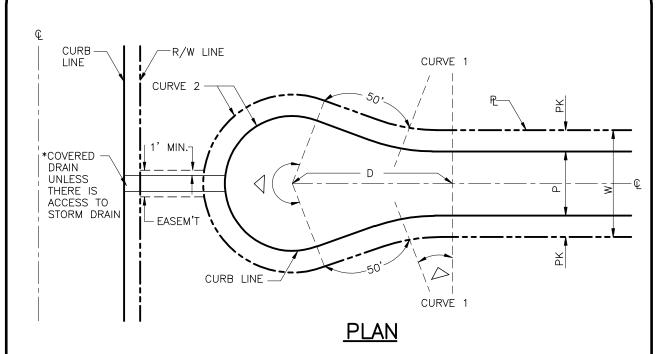
CURB RETURN WHEELCHAIR RAMP

GARDEN GROTE					
Approved	Date	REVISIONS	BY	DATE	STD. PLAN NUMBER
	2 310				D 400
					R-108
City Engineer	R.C.E. 50353 Exp.06-30-09				



- 1. USE NORMAL SECTION FROM INNER CURB TO CENTER LINE.
- 2. FROM CROWN LINE TO OUTER CURB THE MAXIMUM SLOPE IS 1" PER FOOT.
- 3. SUBSCRIPTS "S" AND "L" DENOTE SMALLER AND LARGER STREETS RESPECTIVELY
- 4. SUPERELEVATION PERCENTAGES SHOWN ARE STRAIGHT FROM CENTER LINE TO CROWN LINE.
- 5. ELEVATIONS ARE REQUIRED WHERE CIRCLED O.

	City of arden Grove California					
Approved	Dat	te	REVISIONS	BY	DATE	STD. PLAN NUMBER
City Engineer	R C F 50353	Exp.06-30-09				B-109

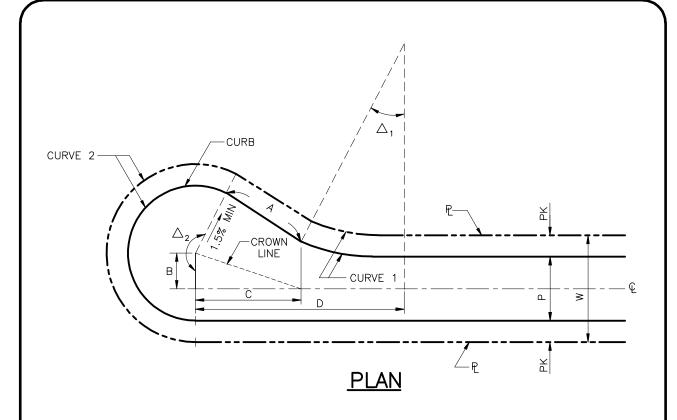


					CURVE 1							
W	Р	PK	D	\triangle	△ CURB PROP. LINE							
					R L T R L					Т		
54'	40'	7'	84.52	15' 14' 33"	100'	26.60'	13.38'	93'	24.74	12.44'		
60'	40'	10'	87.75	16' 31' 20"	100'	28.84'	14.52'	90'	25.95'	13.07'		

				CURVE 2							
W	Р	PK	D	\triangle	CURB		PROP.LINE				
				CURB	R	L	R	L			
54'	40'	7'	84.52'	210° 29' 06"	38'	139.60'	45'	165.31'			
60'	40'	10'	87.75'	213' 02' 40"	40'	148.73'	50'	185.92'			

*IN THE CASE WHERE THE CUL—DE SAC BACKS INTO AN ARTERIAL HIGHWAY AND DRAINS TOWARDS IT AND NO STORM DRAIN IS AVAILABLE, A COVERED DRAIN SHALL BE PROVIDED THRU A DRAINAGE EASEMENT A MINIMUM OF 2' WIDER THAN THE DRAIN AS SHOWN ABOVE. PLANS SHALL INCLUDE ALL INFORMATION PERTINENT TO THE DRAIN, EXACT LOCATION, SIZE, REINFORCEMENT, EASEMENT, FLOW LINES, CURB—FACE OPENINGS, LOCAL DEPRESSIONS, CAPACITIES, ETC. AND ADDRESS PROVISIONS FOR SECONDARY OVERFLOW.

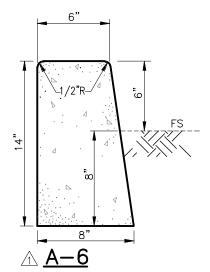
GARDEN GROVE	City of Garden Grove California		CONCENTRIC CUL-DE-SAC				
Approved	Da	te	REVISIONS	BY	DATE	STD. PLAN NUMBER	
						B-110	
City Engineer	R.C.E. 50353	Exp.06-30-09					

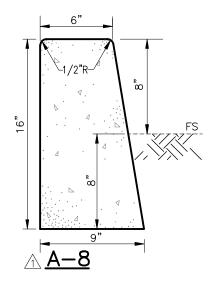


				CURVE 1								
W	Р	PK	\triangle_1	CURB PROP.LINE								
				R	RLT				Т			
54'	40'	7'	26' 03' 45"	100'	45.49'	23.14'	93'	42.30'	21.52'			
60'	40'	10'	28' 04' 22"	100' 49.00' 25.00' 90' 44.10' 22.50								

CURVE 2											
W	Р	PK	Α	В	С	D	\triangle_2	(CURB		OP.LINE
								R	L	R	L
54'	40'	7'	50'	18'	61.61'	105.55'	206'03'45"	38'	136.67	45'	161.84
60'	40'	10'	50'	20'	62.94'	110.00'	208' 04' 22"	40'	145.26'	50'	181.58'

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Da ⁻	te	REVISIONS	BY	DATE	STD. PLAN NUMBER
C.E. 50353	Exp.06-30-09				B-111
1	fornia Da		Date REVISIONS	Date REVISIONS BY	Torona CAL-DE-SAC Pate Revisions By Date

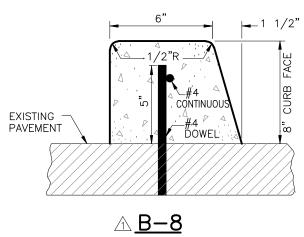




* NOT FOR USE IN PUBLIC RIGHT-OF-WAY.

NOTES

- 1. CONCRETE PER LIN. FT. = 0.025 C.Y. FOR 6" C.F. AND 0.031 C.Y. FOR 8" C.F.
- 2. CONCRETE SHALL BE 5 1/2 SACK WITH 3/4" AGGREGATE.
- 3. FULL FACE 3/4" FELT EXPANSION JOINTS SHALL BE PLACED AT THE END OF ALL CURB RETURNS. 1/4"x2" WEAKENED PLANE JOINTS SHALL BE PLACED AT 15' INTERVALS WITH 3/4" FULL FACE FELT EXPANSION JOINTS AT 45' O.C. MAX.
- * 4. STANDARD FOR 6" CURB FACE IS NOT TO BE USED IN THE PUBLIC RIGHT OF WAY WITHOUT APPROVAL OF CITY ENGINEER.



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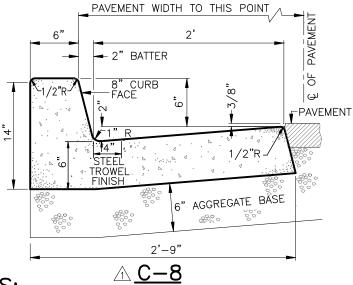
NOTES:

- 1. BOND CURB TO PAVEMENT SURFACE WITH APPROVED ADHESIVE. ADHESIVE TO COVER ENTIRE BASE AREA OF CURB.
- 2. CONCRETE PER LIN. FT. = 0.0138 C.Y.
- 3. CONCRETE SHALL BE 5 1/2 SACK WITH 3/4" AGGREGATE.
- 4. 1/4" x 2" WEAKENED PLANE JOINTS SHALL BE PLACED AT 15' INTERVALS.
- 5. INSTALL DOWELS AT 6'-0" ON CENTER. EMBED INTO PAVEMENT MIN. OF 6".

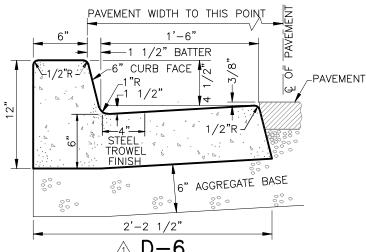


CONCRETE CURB ONLY TYPE "A" & "B"

Approved	Date	REVISIONS	BY	DATE	STD. PLAN NUMBER
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					B-112
City Engineer	R.C.E. 50353 Exp.06-30-09				



- 1. CONCRETE PER LIN. FT. = 0.0645 C.Y.
- 2. CONCRETE SHALL BE 5 1/2 SACK WITH 3/4" AGGREGATE.
- 3. FULL FACE 3/4" FELT EXPANSION JOINTS SHALL BE PLACED AT THE END OF ALL CURB RETURNS. 1/4"x2" WEAKENED PLANE JOINTS SHALL BE PLACED AT 15' INTERVALS WITH 3/4" FULL FACE FELT EXPANSION JOINTS AT 45' O.C. MAX. AND AT THE TOP OF "X'S" ON ALL DRIVEWAY APPROACHES.
- 4. AGGREGATE BASE SHALL BE CLASS II 3/4".



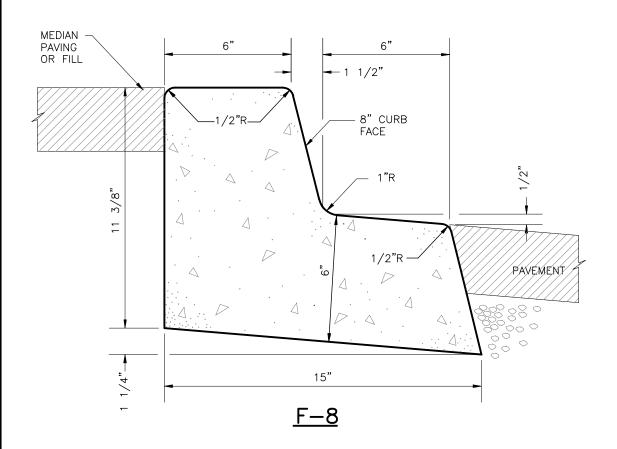
NOTES:

- 1. CONCRETE PER LIN. FT. = 0.0505 C.Y.
- 2. CONCRETE SHALL BE 5 1/2 SACK WITH 3/4" AGGREGATE.
- 3. FULL FACE 3/4" FELT EXPANSION JOINTS SHALL BE PLACED AT THE END OF ALL CURB RETURNS. 1/4"x2" WEAKENED PLANE JOINTS SHALL BE PLACED AT 15' INTERVALS WITH 3/4" FULL FACE FELT EXPANSION JOINTS AT 45' O.C. MAX. AND AT THE TOP OF "X'S" ON ALL DRIVEWAY APPROACHES.
- 4. AGGREGATE BASE SHALL BE CLASS II 3/4".



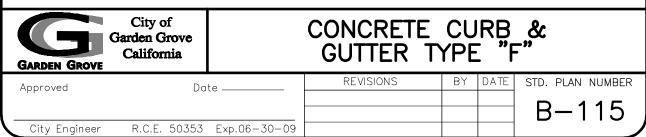
CONCRETE CURB & GUTTER TYPE "C" & "D"

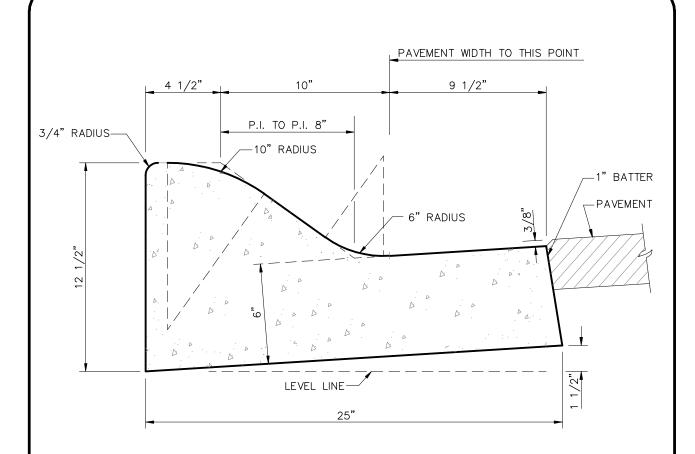
GARDEN GROVE					
Approved	Date	REVISIONS	BY	DATE	STD. PLAN NUMBER
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		GENERAL UPDATE	DJC	7/1/00	B-113
City Engineer	R.C.E. 50353 Exp.06-30-09				



- 1. CONCRETE PER LIN. FT. = .032 C.Y.
- 2. CONCRETE SHALL BE 5 1/2 SACK WITH 3/4" AGGREGATE.
- 3. WEAKENED PLANE JOINT SHALL BE PLACED AT 15' INTERVALS. INSTALL 3/4" FELT JOINT 60' O.C. AND AT ALL CHANGES IN DIRECTION.

DO NOT USE THIS STANDARD FOR NEW CONSTRUCTION — TO BE USED ONLY FOR REPLACEMENT OF EXISTING MEDIAN CURB ORIGINALLY BUILT TO THIS STANDARD.

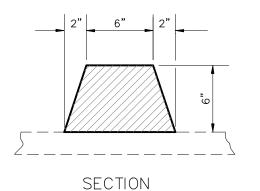


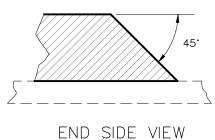


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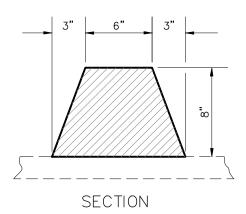
- 1. TO BE USED FOR REPLACEMENT-IN-KIND ONLY NOT FOR NEW CONSTRUCTION.
- 2. CONCRETE PER LIN. FT.= 0.0502 C.Y.
- 3. CONCRETE TO BE 5 1/2" SACK WITH 3/4" AGGREGATE.

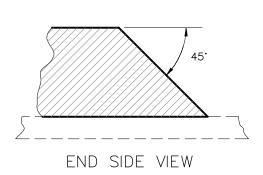
GARDEN GROVE	City of Garden Grove California		ROLLED & GU		• • •	
Approved	Da	te	REVISIONS	BY	DATE	STD. PLAN NUMBER
	D.O.F. 50757	- 00 70 00				B-116
City Engineer	R.C.E. 50353	Exp.06-30-09				



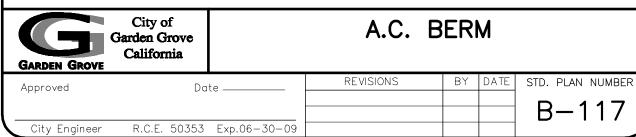


6" A.C. BERM

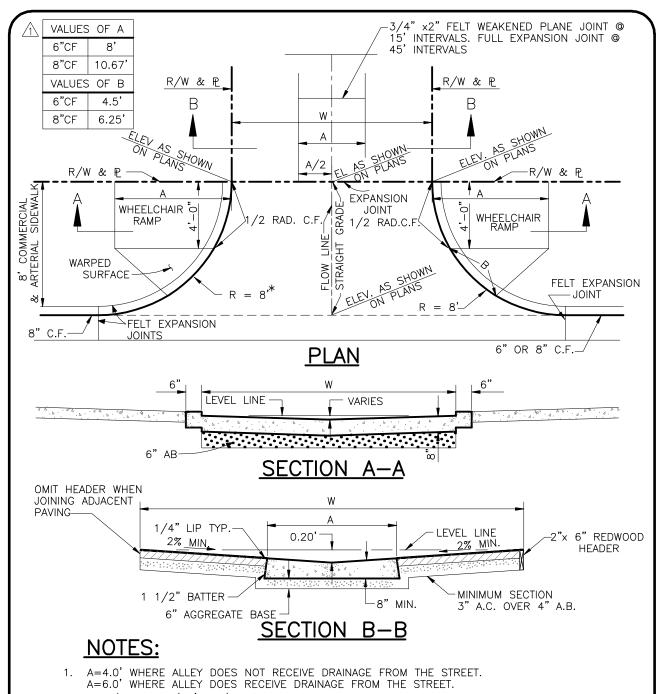




8" A.C. BERM

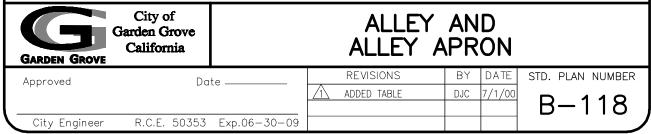


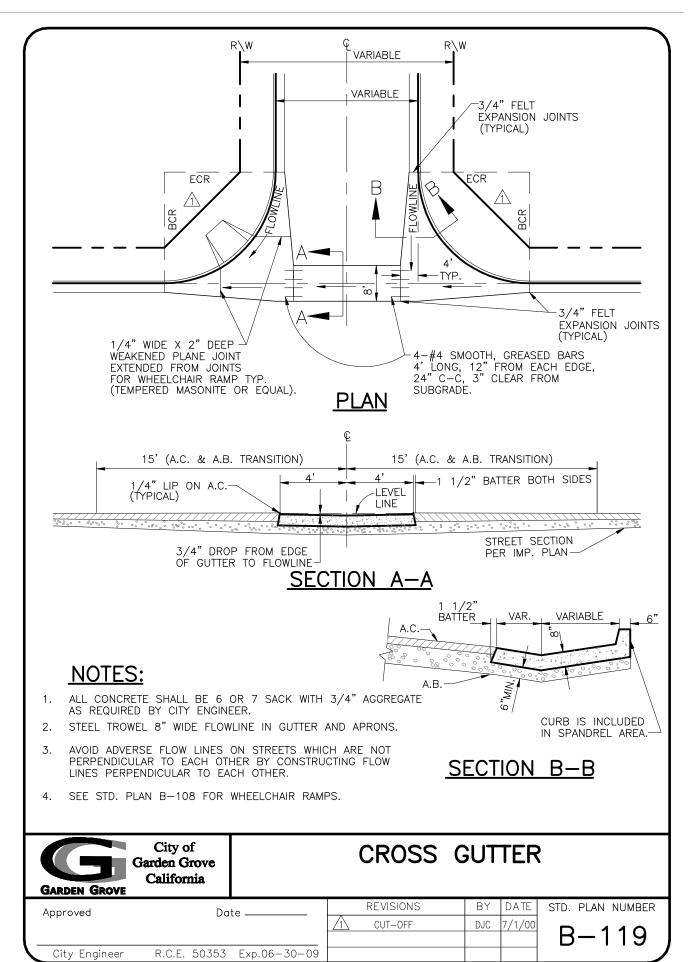
G.G./B-117.DWG



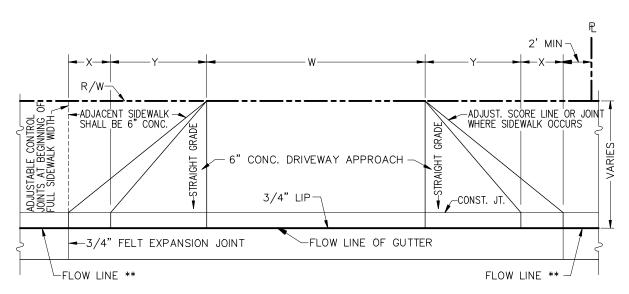
- 2. W=R/W WIDTH. (20' MIN.)
- 3. ALL CONCRETE SHALL BE 5 1/2 SACK WITH 3/4" AGGREGATE.
- *4. 8' MIN. RADIUS. USE RADIUS EQUAL TO PARKWAY WIDTH IF PARKWAY WIDTH IS LARGER THAN 8'.

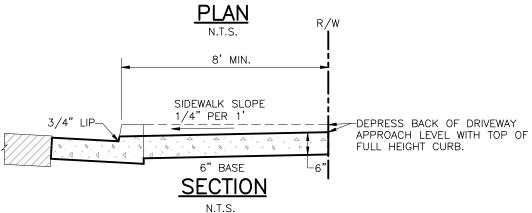
DO NOT USE THIS STANDARD FOR NEW CONSTRUCTION. USE ONLY FOR REPAIRS TO EXISTING APRONS. USE STANDARD B-120 FOR ALL NEW ALLEY ENTRANCES.





G.G./B-119.DWG

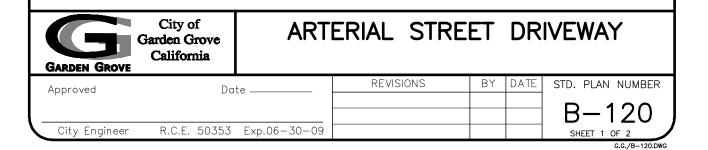




VALUES OF	"X"		VALUES OF "Y"*		VALUES OF	"W"	
CIDEMALK	CURB	HEIGHT	8' PARKWAY	8'	RESIDENTIAL	MIN.	MAX.
SIDEWALK	6"	8"	9' PARKWAY	8'		18'	30'
ADJACENT TO CURB	4'	4'	10' PARKWAY	8'	COMMERCIAL		
FULL PARKWAY	4'	4'			INDUSTRIAL & MULTI— RESIDENTIAL	3	i0'
					MULII- RESIDENTIAL		

- * VALUES OF "Y" MAY BE REDUCED UNDER EXTENUATING CIRCUMSTANCES.

 DRIVEWAY NOTES ON SHEET 2
- ** A POSITIVE FLOWLINE SHALL BE MAINTAINTED. EXISTING CURB AND GUTTER SHALL BE REMOVED AND REPLACED, AS DETERMINED BY THE CITY ENGINEER, TO ACHIEVE PROPER DRAINAGE.

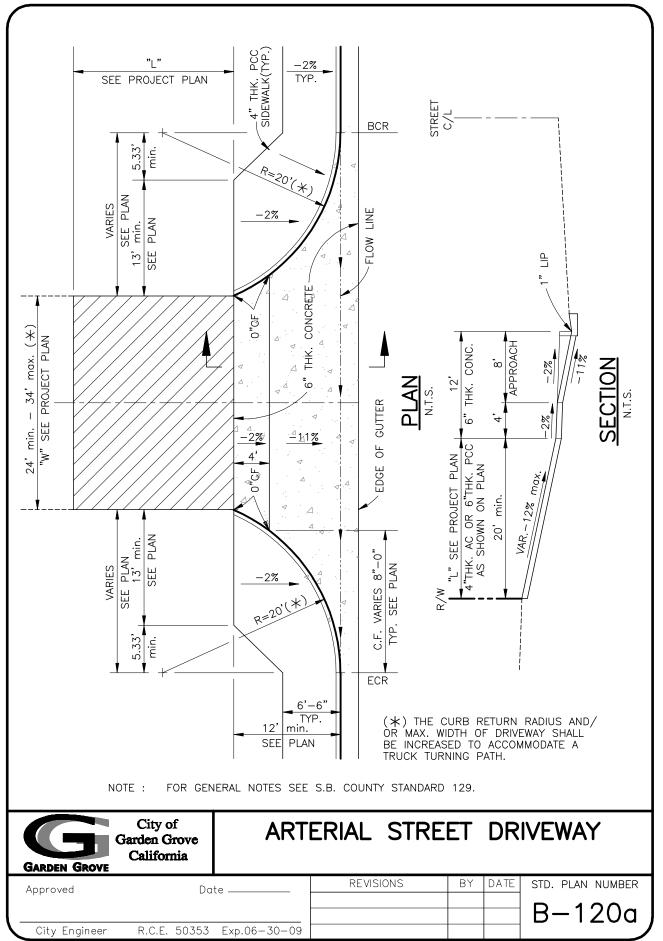


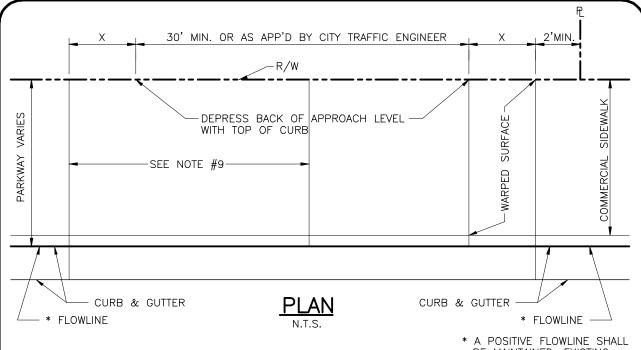
- 1. SIDEWALK AND RAMP THICKNESS SHALL BE 6"(MIN.). P.C.C. SHALL BE CLASS "A" CONCRETE 6 OR 7 SACK WITH 3/4" AGGREGATE.
- 2. TWO (2) FEET (MIN.) OF FULL HEIGHT CURB SHALL BE REQUIRED BETWEEN THE DRIVEWAY AND THE SIDE PROPERTY LINE EXTENDED.
- 3. A MINIMUM OF 22' OF FULL HEIGHT CURB SHALL BE REQUIRED BETWEEN DRIVEWAYS SERVING THE SAME PARCEL.
- 4. COLOR ADDITIVES OR PATTERN STAMPED CONCRETE SHALL NOT BE USED IN PUBLIC RIGHT-OF-WAY.
- 5. INSTALL 3/4"x6" FELT JOINT AT TOP OF "X" AND 3/4"x2" FELT JOINT AT 15' O.C.
- 6. 95% RELATIVE COMPACTION REQUIRED IN UPPER 6" OF SUBGRADE.
- 7. NO HORIZONTAL CURB CUTS ALLOWED.
- 8. FOR NEW DRIVEWAY LOCATIONS REMOVE AND RECONSTRUCT CURB AND GUTTER SEPARATELY FROM DRIVEWAY. INSPECTOR'S APPROVAL IS REQUIRED PRIOR TO ANY SAWCUT.

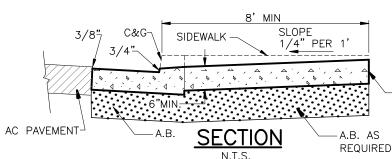


ARTERIAL STREET DRIVEWAY

Approved	Date	REVISIONS	BY	DATE	STD. PLAN NUMBER
					B-120
City Engineer	R.C.E. 50353 Exp.06-30-09				SHEET 2 OF 2



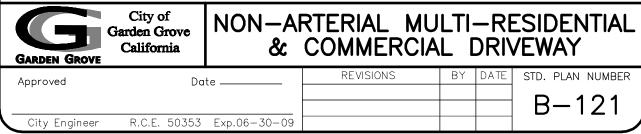


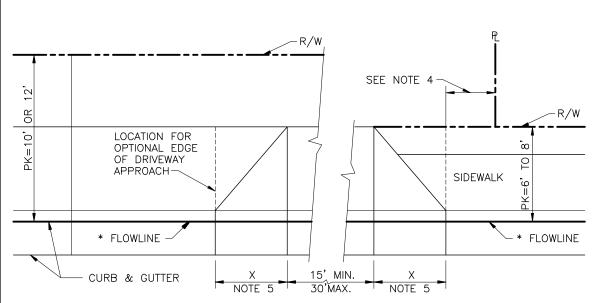


A POSITIVE FLOWLINE SHALL BE MAINTAINED. EXISTING CURB & GUTTER SHALL BE REMOVED & REPLACED, AS DETERMINED BY THE CITY ENGINEER, TO ACHIEVE PROPER DRAINAGE.

- DEPRESS BACK OF DRIVEWAY APPROACH LEVEL WITH FULL HEIGHT CURB.

- 1. ALL CONCRETE SHALL BE CLASS "A" 6 SACK. PRIOR TO ANY SAWCUT, INSPECTOR'S APPROVAL IS REQUIRED.
- 2. APPROACH AND SIDEWALK SHALL BE 6" MINIMUM THICKNESS.
- 3. X=3' FOR 6" CF, X=4' FOR 8" CF.
- 4. TWO FEET (MIN.) OF FULL HEIGHT CURB IS REQUIRED BETWEEN DRIVEWAY AND SIDE PROPERTY LINE EXTENDED.
- 5. A MINIMUM OF 22' OF FULL HEIGHT CURB IS REQUIRED BETWEEN DRIVEWAYS SERVING THE SAME PARCEL.
- 6. 95% RELATIVE COMPACTION REQ'D IN UPPER 6" OF SUBGRADE. AGGREGATE BASE MAY BE REQUIRED BY CITY ENGINEER.
- 7. FOR NEW DRIVEWAY LOCATIONS REMOVE AND RECONSTRUCT CURB & GUTTER SEPARATELY FOR DRIVEWAY.
- 8. NO HORIZONTAL CURB CUTS ALLOWED.
- 9. INSTALL 3/4"x2" FELT JOINTS AT 15' O.C. AND 3/4"x6" FELT JOINTS AT TOP OF X'S.
- 10. SEE CITY STANDARD PLAN B-120 FOR COMMERCIAL DRIVEWAYS ON ARTERIAL STREETS.
- 11. COLORED ADDITIVES OR PATTERNED CONCRETE SHALL NOT BE USED IN PUBLIC R/W.

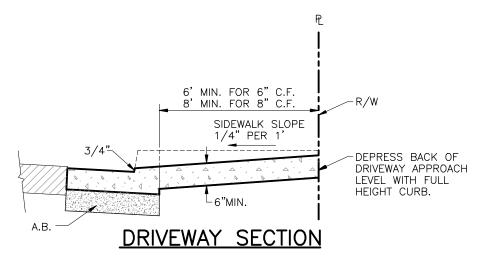




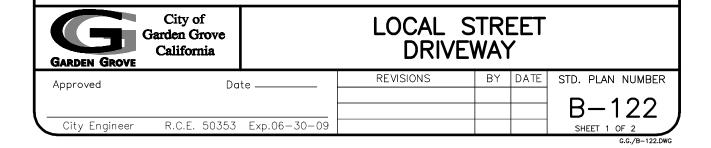
SEE NOTE 3 IF EXISTING CURB & GUTTER IS TO BE REMOVED FOR CONSTRUCTION OF NEW DRIVEWAY

* A POSITIVE FLOWLINE SHALL BE MAINTAINED. EXISTING CURB & GUTTER SHALL BE REMOVED AND REPLACED AS DETERMINED BY THE CITY ENGINEER, TO ACHIEVE PROPER DRAINAGE.

PLAN N.T.S.



SEE SHEET 2 FOR CONSTRUCTION NOTES.

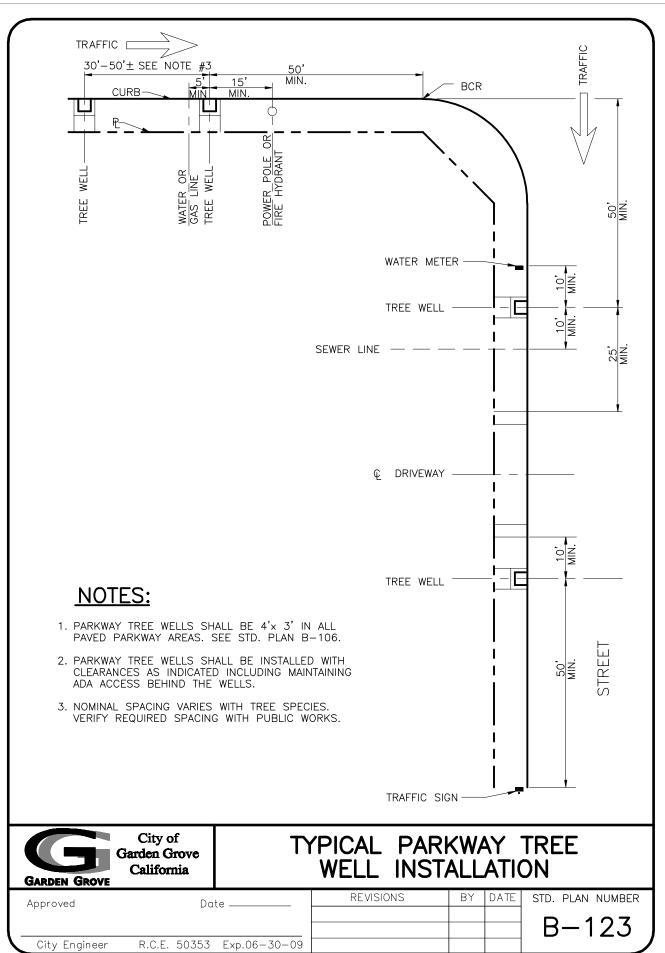


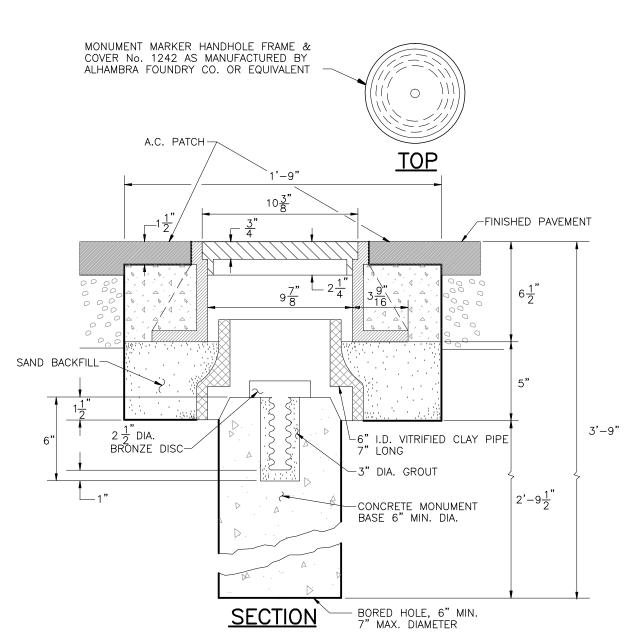
- 1. ALL CONCRETE SHALL BE 5 1/2" SACK 3/4" AGGREGATE. PRIOR TO ANY SAWCUT, INSPECTOR'S APPROVAL IS REQUIRED.
- 2. APPROACH AND SIDEWALK SHALL BE 6" MINIMUM THICKNESS, GUTTER SHALL BE 6" MINIMUM.
- 3. WHEN INSTALLING A NEW DRIVE APPROACH WHERE CURB AND GUTTER EXIST, SAWCUT THE CURB AT RIGHT ANGLES TO THE STREET CENTER LINE AND REMOVE THE ENTIRE CURB AND GUTTER. POUR DRIVE APPROACH MONOLITHICALLY WITH THE CURB DEPRESSION AND GUTTER. IF THE SAWCUT IS WITHIN 5' OF AN EXPANSION JOINT, WEAKENED PLANE JOINT, OR A CRACK, THEN REMOVE AND REPLACE THE CURB TO THE JOINT OR SAWCUT ON THE FAR SIDE OF THE CRACK.
- 4. TWO FEET (MIN) OF FULL HEIGHT CURB SHALL BE REQUIRED BETWEEN DRIVEWAY AND SIDE PROPERTY LINE EXTENDED.
- 5. X=3' FOR 6" CURB FACE. X=4' FOR 8" CURB FACE.
- 6. R.C. 95% MIN. REQUIRED IN UPPER 6" SUBGRADE.
- 7. A MINIMUM OF 22' OF FULL HEIGHT CURB IS REQUIRED BETWEEN DRIVEWAYS SERVING THE SAME PARCEL.
- 8. HORIZONTAL CURB CUTS MAY BE ALLOWED ON A LIMITED BASIS AS DETERMINED BY THE CITY ENGINEER.
- 9. INSTALL 3/4"x6" FELT JOINT AT TOP OF X AND 3/4"x2" FELT JOINT AT 15' O.C.
- 10. COLORED ADDITIVES OR PATTERNED CONCRETE SHALL NOT BE USED IN PUBLIC R/W.



LOCAL STREET DRIVEWAY

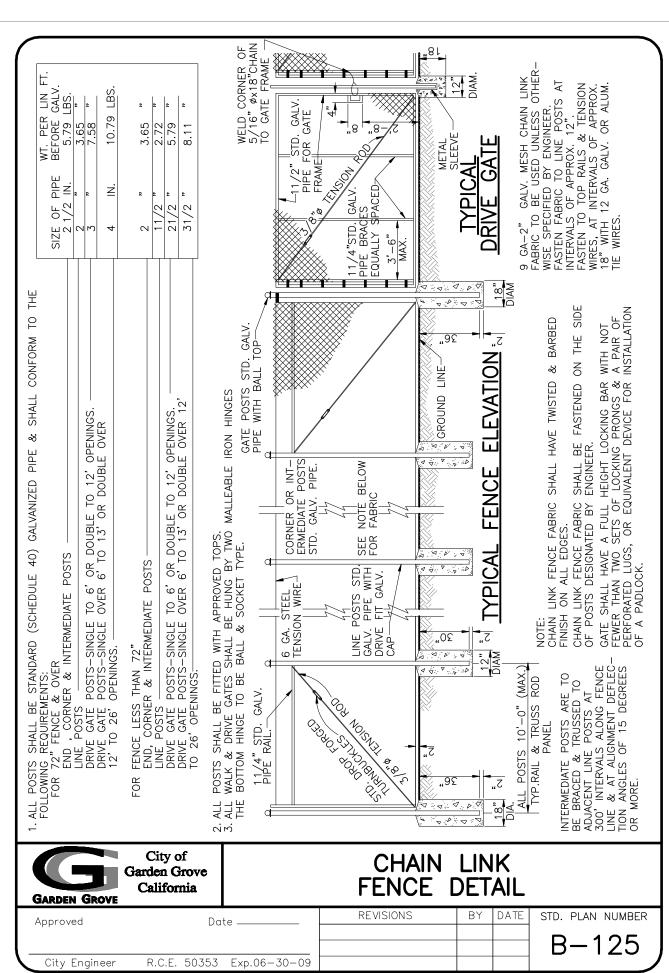
Approved	Date	REVISIONS	BY	DATE	STD. PLAN NUMBER
					R-122
City Engineer	R.C.E. 50353 Exp.06-30-09				SHEET 2 OF 2





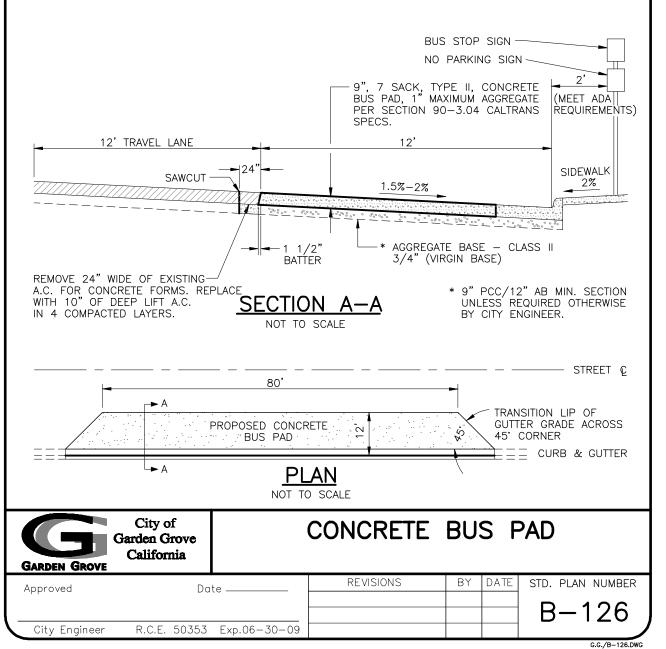
- 1. FRAME AND COVER TO BE ASPHALT TREATED BY FOUNDRY.
- 2. IF MARKER IS INSTALLED UNDER CONTRACT, LEAVE 3" DIA. HOLE, 6" DEEP IN EXACT CENTER PER TIES.
- 3. MONUMENT MARKER WILL BE SET BY A PROFESSIONAL REGISTRANT, LICENSED TO PRACTICE SURVEYING IN THE STATE OF CALIFORNIA.
- 4. ALL CONCRETE SHALL BE 5 1/2 SACK, 3/4" AGGREGATE.

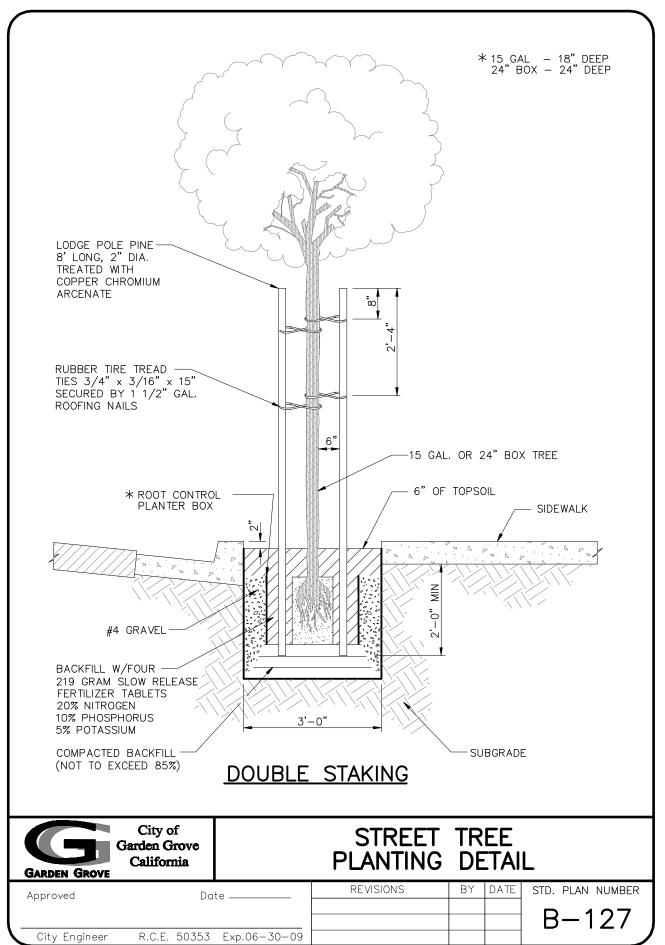
GARDEN GROVE	City of Garden Grove California		SURVEY MO TYPE	ONL A"	ļME	NT
Approved	Da	te	REVISIONS	BY	DATE	STD. PLAN NUMBER
[B-124
City Engineer	R.C.E. 50353	Exp.06-30-09				

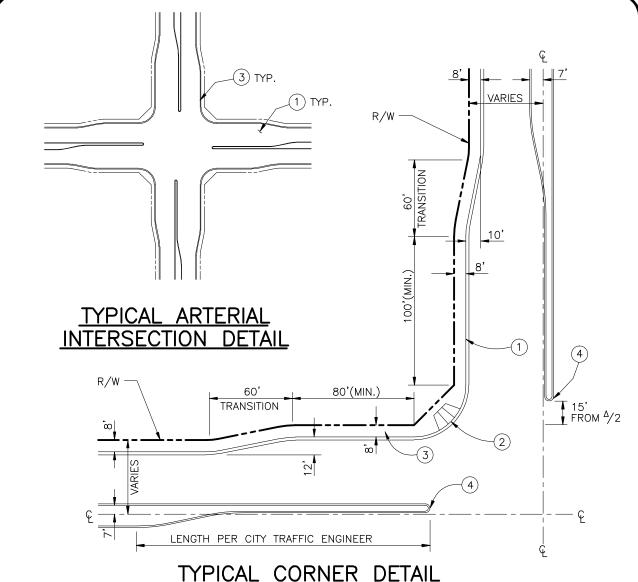


CONSTRUCTION NOTES:

- 1. COMPACTION ON THE UPPER 6" OF NATIVE SOIL AND AGGREGATE SHALL BE 95%.
- 2. CONCRETE CYLINDER TESTS SHALL BE TAKEN AS REQUIRED BY INSPECTOR.
- 3. CONCRETE SHALL HAVE A MAXIMUM OF 4" SLUMP.
- 4. NO FLY ASH PERMITTED IN CEMENT OR AS AN ADDITIVE.
- 5. CURING COMPOUND WITH FUGITIVE DYE SHALL BE APPLIED IMMEDIATELY AFTER FINAL FINISHING.
- 6. 3/4" X 3" DEEP FELT JOINTS TO BE INSTALLED AT 15' OC.
- 7. CONTRACTOR SHALL MAINTAIN TRAFFIC DETOUR, INCLUDING FLASHING ARROW BOARDS FOR A MINIMUM OF 5 DAYS TO ALLOW CONCRETE BUS PAD TO CURE BEFORE PLACING TRAFFIC ON IT.
- 8. FINAL LOCATION OF BUS PAD TO BE APPROVED IN FIELD BY OCTA PRIOR TO EXCAVATION.
- 9. CONTRACTOR SHALL FINISH CONCRETE PAD WITH MEDIUM TO HEAVY BROOM FINISH.







- (1) RIGHT TURN POCKET DESIGN PER CITY STD. PLAN B-129 AT LOCATIONS AS REQUIRED BY CITY ENGINEER.
- 2 WHEEL CHAIR ACCESS RAMP PER CITY STD. PLAN B-108.
- 3 BUS TURNOUT DESIGN PER CITY STD. PLAN B-131 AT LOCATIONS AS REQUIRED BY CITY ENGINEER.
- (4) RECONSTRUCT MEDIAN NOSE 15' BACK FROM A LINE CROSSING AT 4/2 OF CURB RETURNS. DO NOT BLOCK CROSSWALK.
- (5) REFER TO ORANGE COUNTY R.D.M.D. STANDARD PLAN No. 1117 FOR INTERSECTION SIGHT DISTANCE REQUIREMENTS.

