

STANDARD PLANS

August, 2008

Approved and adopted by the City of Clayton City Council on September 16, 2008 Resolution No. 51 - 2008

> CITY OF CLAYTON 6000 HERITAGE TRAIL CLAYTON, CA 94517 (925) 673-7300

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- T-1 Electrolier Detail Within Town Center Area
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Note: These details are provided for design guidance only and are based upon the C.3 guidelines in effect at the present time (August, 2008). It is the responsibility of the designer to insure that the construction details used are in conformance with the latest stormwater treatment requirements and regulations.

Plan # Title

- C3-1 Biofiltration Planter
- C3-2 Vegetated Swale Detail
- C3-3 Infiltration Trench Detail
- C3-4 Drywell Detail
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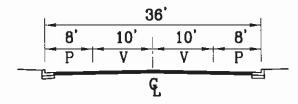
S – Series

(Streetwork)

FRI,

CUL-DE-SAC, LANE, PLACE, MINOR STS.
(1 TO 80 UNITS)

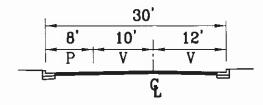
COLLECTOR STREETS (81 TO 300 UNITS)

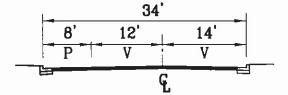


8' 12' 12' 8' P V V P

PARKING BOTH SIDES

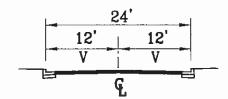
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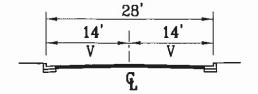




PARKING ONE SIDE

PARKING ONE SIDE





NO PARKING

NO PARKING

LEGEND:

P PARKING

V VEHICLE

CENTER LINE

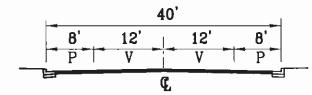
RIGHT OF WAY WIDTHS AND SIDEWALK REQUIREMENTS TO BE DETERMINED BY THE CITY ENGINEER.

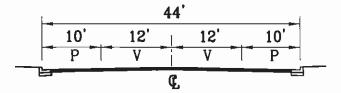
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MINOR, CUL-DE-SAC LIGHT & MEDIUM COMMERCIAL & INDUSTRIAL

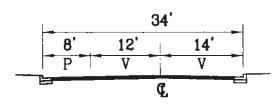
COLLECTOR STREETS

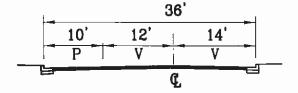




PARKING BOTH SIDES

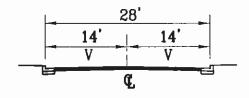
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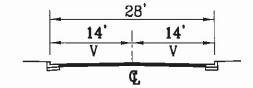




PARKING ONE SIDE

PARKING ONE SIDE





NO PARKING

NO PARKING

LEGEND:

P PARKING

V VEHICLE

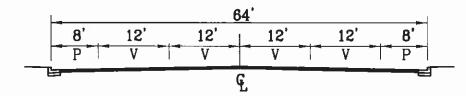
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RIGHT OF WAY WIDTHS AND SIDEWALK REQUIREMENTS TO BE DETERMINED BY THE CITY ENGINEER.

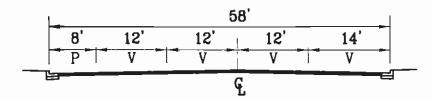
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CITY	OF CLAYTON
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TYPICAL WIDTH ALTERNATIVES COMMERCIAL AND INDUSTRIAL (PUBLIC AND PRIVATE)	SHEET 1 OF 1
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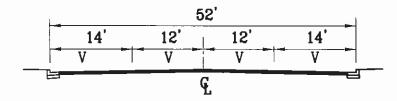
MAJOR STREETS



PARKING BOTH SIDES



PARKING ONE SIDE



NO PARKING

LEGEND:

P PARKING

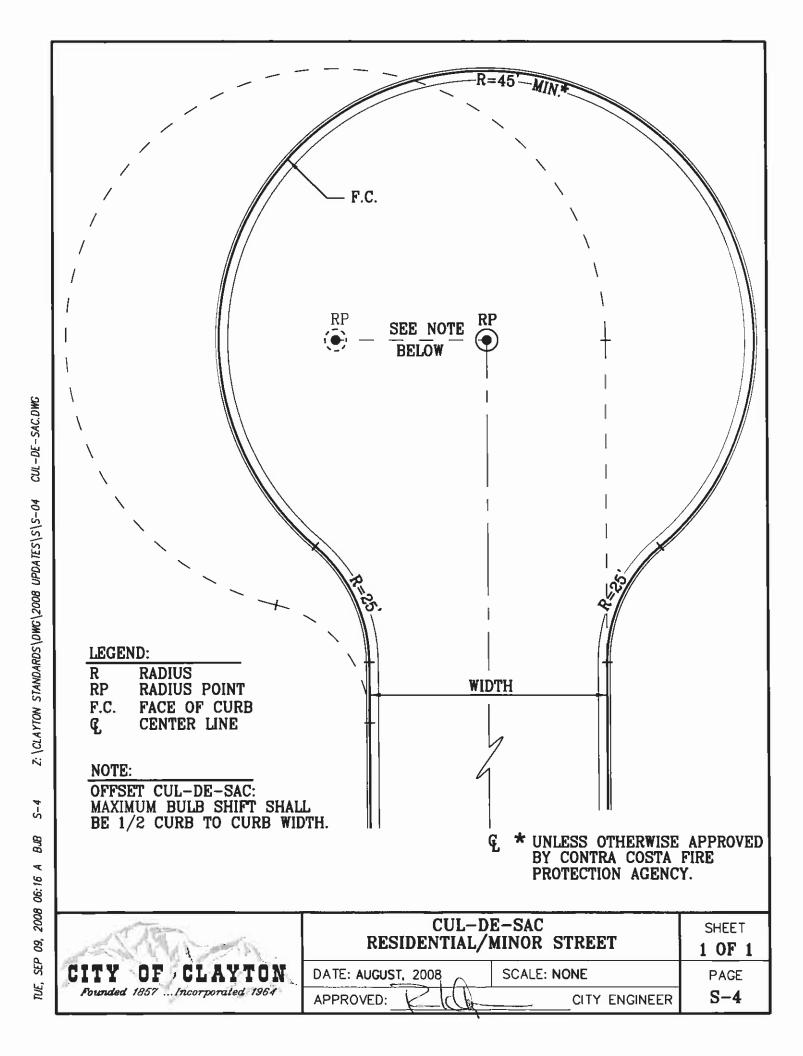
V VEHICLE

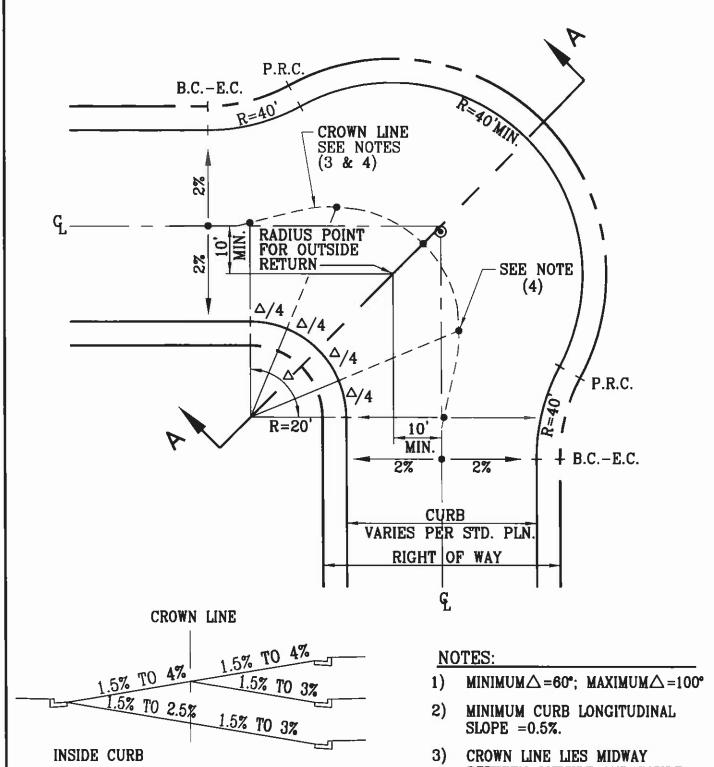
CENTER LINE

RIGHT OF WAY WIDTHS AND SIDEWALK REQUIREMENTS TO BE DETERMINED BY THE CITY ENGINEER. MEDIAN ISLANDS OF VARIOUS WIDTHS MAY BE REQUIRED BY THE CITY ENGINEER.

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TYPICAL WIDTH ALTERNATIVES	SHEET
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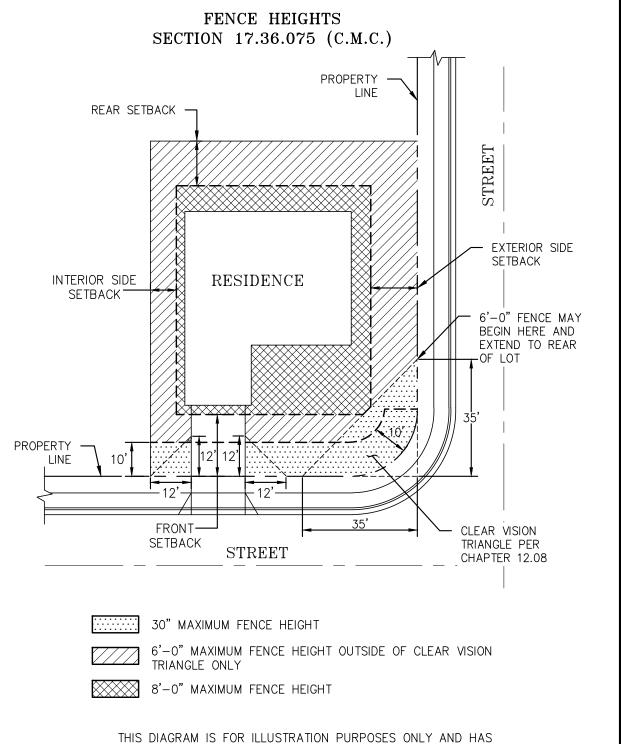
SECTION A - A MAXIMUM AND MINIMUM CROSS SLOPES

OUTSIDE CURB

RETURN

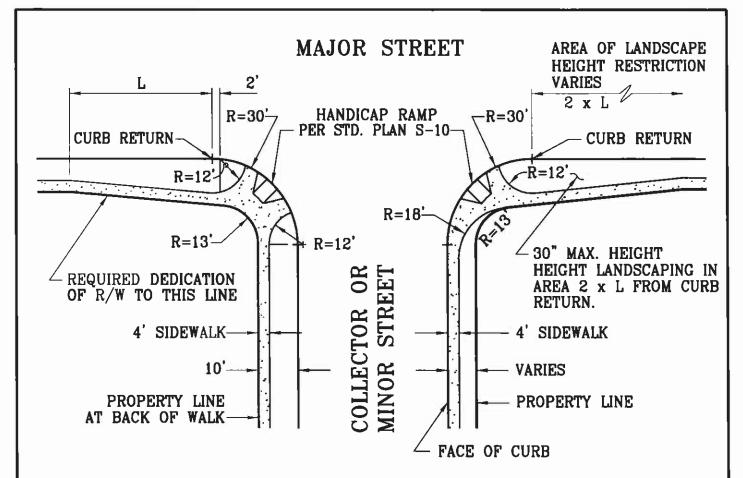
- BETWEEN OUTSIDE AND INSIDE RETURNS; ALONG THE LINE RADIAL TO INSIDE RETURN.
- 4) CROWN LINE ELEVATION TO BE SHOWN ON PLANS.

AND IN	STANDARD STREET KNUCKLE RESIDENTIAL / MINOR STREET	SHEET 1 OF 1
CITY OF CLAYTON	DATE: AUGUST, 2008 SCALE: NONE	PAGE
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THIS DIAGRAM IS FOR ILLUSTRATION PURPOSES ONLY AND HAS NOT BEEN ADOPTED AS PART OF THE ZONING ORDINANCE.

CITY OF CLAYTON	SIGHT DISTANCE A INTERSI	SHEET 1 OF 1	
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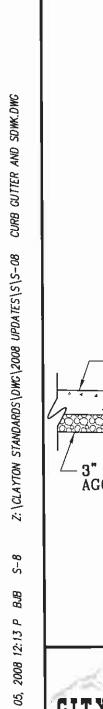


INTERSECTIONS TO STREETS WITH REAR OR SIDE LOT "BACK-UP" FENCING

DESIGN SPEED	LENGTH
MAJOR STREET	OF L
30 MPH	75'
35 MPH	85'
40 MPH	100'
45 MPH	120'
55 MPH	150'

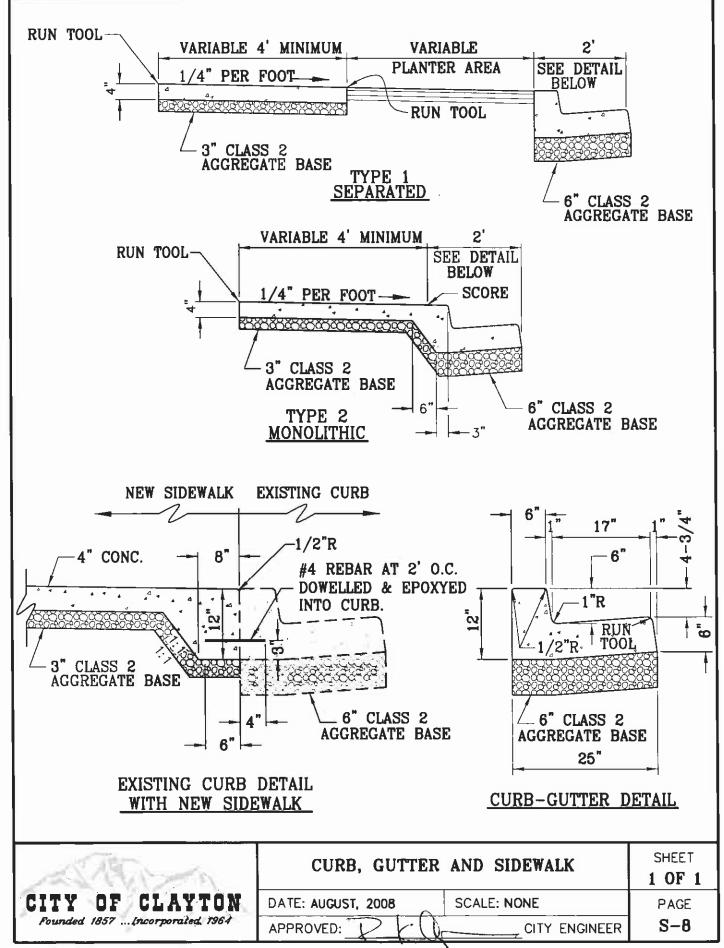
CITY OF CLAYTON

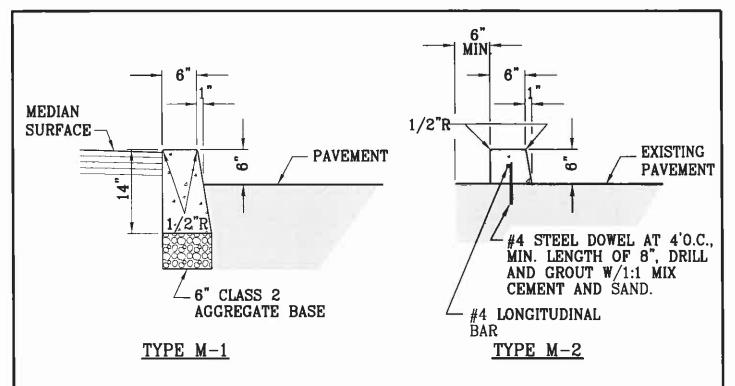
SIDEWALK AND G	EOMETRICS AT	SHEET
MAJOR STREET II	NTERSECTIONS	1 OF 1
DATE: AUGUST, 2008	SCALE: NONE	PAGE
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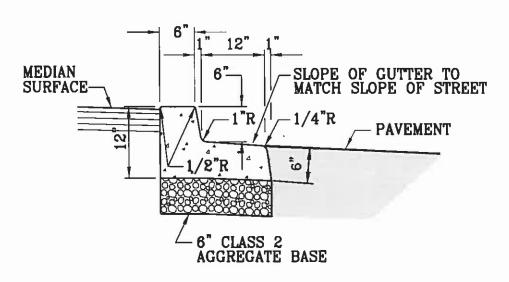


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TYPE-3

NOTE:

IN LIEU OF USING DOWELS AND REBAR TO ANCHOR TYPE M-2 CURB TO EXISTING PAVEMENTS, EPOXY ADHESIVE CONFORMING TO SEC. 95 OF THE CALTRANS STANDARD SPECIFICATIONS MAY BE USED.

- SARA	MEDIAN CURBS	SHEET 1 OF 1
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PEDESTRIAN CROSSWALK

GROOVING DETAIL

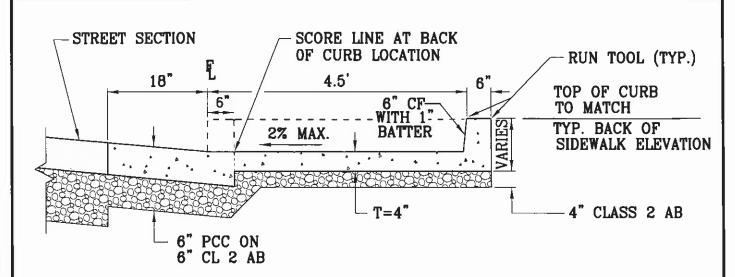
SHEET

1 OF 1

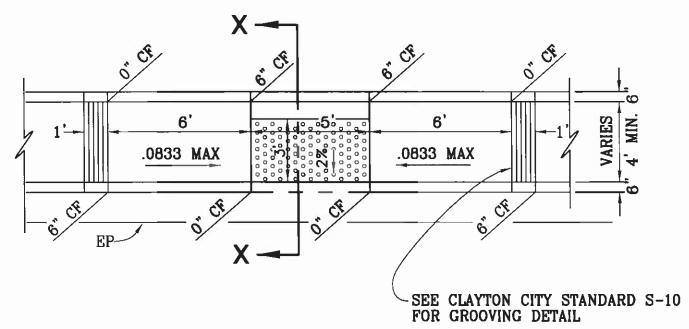
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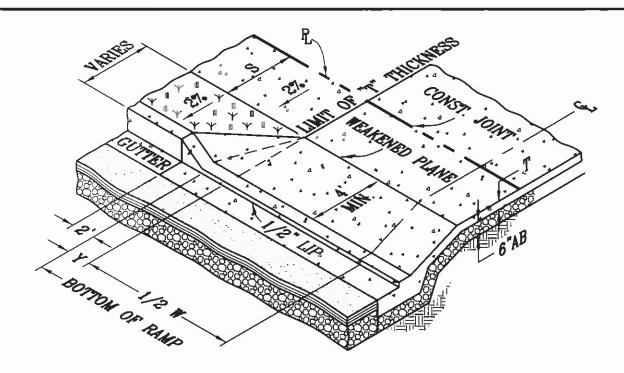
SECTION X-X



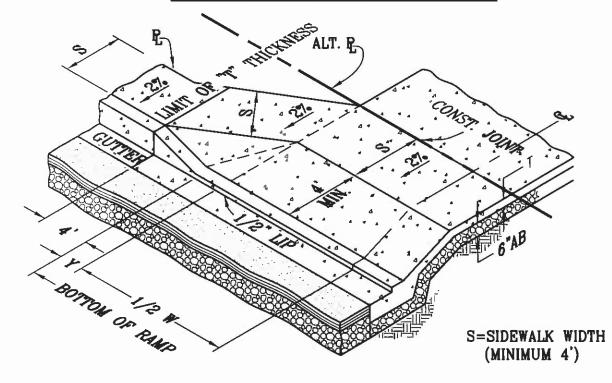
NOTES:

1) CURB RAMPS SHALL HAVE A DETECTABLE WARPING SURFACE THAT EXTEND THE FULL WIDTH AND 3' DEPTH OF THE CURB RAMP. DETECTABLE WARPING SURFACE SHALL CONFORM TO THE REQUIREMENTS OF THE ADA.

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	DATE: AUGUST, 2008	· sin



DRIVEWAY WITH SEPARATED SIDEWALK



DRIVEWAY WITH MONOLITHIC SIDEWALK

SEE SHEET 2 FOR DIMENSIONS AND NOTES

AT STATE	DRIVEWAYS	SHEET 1 OF 2
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Founded 1857 Incorporated 1964		

	TABLE OF DRIVEWAY DIMENSIONS						
DIMENSION SINGLE FAMILY RESIDENTIAL ALL OTHERS							
Y	0'-0" MINOR & COLLECTOR STS. 4'-0" ARTERIAL STREETS	4'-0"					
Т	0'-6"	0'-6"+ REINFORCEMENT (NOTE 1)					
W	12'-0" MINIMUM (NOTE 2) 26'-0" MAXIMUM	25'-0" MINIMUM (NOTE 2) 40'-0" MAXIMUM					

GENERAL NOTES:

- 1) REINFORCEMENT SHALL BE #3 BARS AT 18" O.C. BOTH WAYS, SET IN THE MIDDLE OF THE CONCRETE.
- 2) ALL DRIVEWAY WIDTHS SUBJECT TO THE APPROVAL OF THE CITY ENGINEER.
- 3) THE REQUIRED STRUCTURAL SECTION FOR ANY DRIVEWAY SHALL BE CONTINUOUS FROM THE CURB TO THE BACK OF SIDEWALK.
- 4) THE TOTAL OF ALL DRIVEWAYS (MEASURED AT THE TOP OF CURB BETWEEN OUTSIDE EDGES) SHALL NOT EXCEED 50% OF THE LOT FRONTAGE UNLESS APPROVED BY THE CITY ENGINEER.
- 5) WEAKENED PLANE JOINTS SHALL BE INSTALLED AT THE CENTER OF ALL DRIVEWAYS WHEN W=20' OR MORE.
- 6) AGGREGATE BASE UNDER DRIVEWAYS SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
- 7) ALL CONCRETE DEMOLITION SHALL OCCUR AT SCORE LINES OR JOINTS ONLY. EXISTING CONCRETE SHALL BE SAWN NEAT AND STRAIGHT.

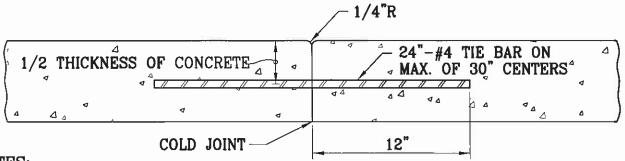
	DRIVEWAYS	SHEET 2 OF 2
CITY OF CLAYTON	DATE: AUGUST, 2008 SCALE: NONE	PAGE
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WEAKENED PLANE JOINTS SHALL BE INSTALLED AT THE B.C. AND E.C. OF ALL CURB RETURNS. WEAKENED PLANE JOINTS SHALL BE INSTALLED AT EACH END OF ALL DRIVEWAYS. IF DRIVEWAY WIDTH EQUALS 20' OR MORE, INSTALL WEAKENED PLANE JOINT AT CENTER. DRIVEWAY WEAKENED SCORE PLANE JOINT LINES W/2 W/2SIDEWALK 5) 5 5' B.C.

NOTES:

- 1) WEAKENED PLANE JOINTS SHALL BE AT 10 FEET ON CENTER AND SHALL EXTEND THROUGH SIDEWALK AND CURB-GUTTER. JOINTS SHALL BE 1/8" WIDE 1" DEEP.
- 2) SCORE LINES SHALL BE 10 FEET ON CENTER, MIDWAY BETWEEN WEAKENED PLANE JOINTS, AND SHALL BE PLACED IN THE MIDDLE OF ALL SIDEWALKS EXCEEDING 6 FEET IN WIDTH.
- 3) ALL SIDEWALK AND CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BEGIN AND END AT WEAKENED PLANE JOINTS ADJACENT TO UNDAMAGED SIDEWALK OR CURB AND GUTTER.

WEAKENED PLANE JOINTS AND SCORE LINES IN SIDEWALK

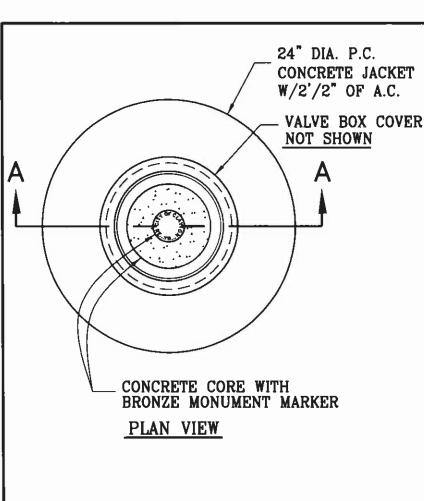


NOTES:

- 1) TIE BARS SHALL BE REQUIRED WHENEVER NEW CONCRETE IS POURED AGAINST EXISTING CONCRETE.
- 2) ALL CONSTRUCTION JOINTS SHALL HAVE A MINIMUM OF 2 TIE BARS.

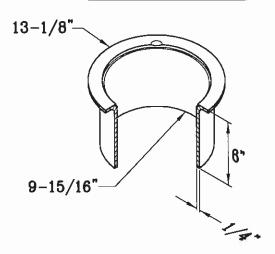
CONSTRUCTION JOINTS

AND THE STATE OF T	WEAKENED PLANE JOINTS, SCORE LINES AND CONSTRUCTION JOINTS	SHEET 1 OF 1
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Founded 1857 Incorporated, 1964	APPROVED: CITY ENGINEER	S-12

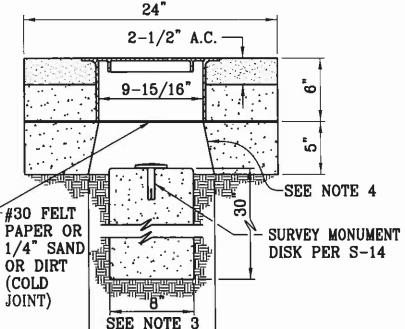




VALVE BOX COVER



DUCTILE IRON TRAFFIC VALVE BOX



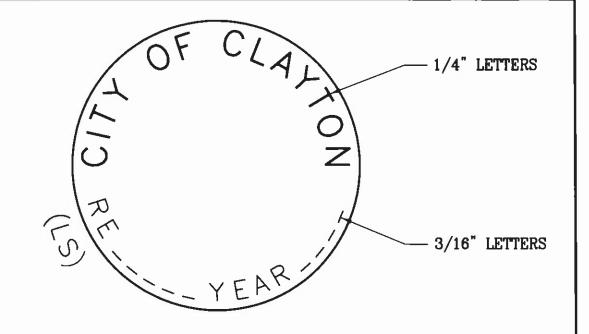
12"

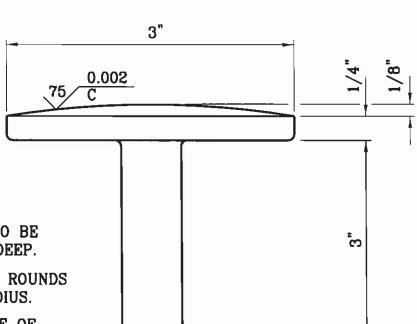
SECTION A - A

NOTES:

- 1) COVER SHALL BE MARKED "MONUMENT" AND BE DESIGNED TO CARRY A 16,000LB. MIN. WHEEL LOAD.
- 2) RISER ASSEMBLY AVAILABLE (NOT SHOWN).
- 3) 8" DIAMETER COLLAR FORMED OF #30 FELT, 1" BELOW COLD JOINT, AS SHOWN.
- SURVEY MONUMENT 4) TAPERED METAL CONE, OR 3/32" (OR HEAVIER) CHIPBOARD.
 - 5) REFER TO FORNI CORP. "IRONSIDES" TYPE 80-60-03 9-1/2" VALVE BOX, OR APPROVED EQUAL.
 - 6) COVER SHALL BE NON-ROCKING.

		SURVEY MONUMENT				
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Founded 1857 Incorporated 1964	APPROVE	D: Pille		CITY ENGINEER	S-13	





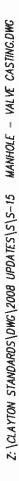
NOTES:

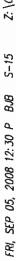
- 1) ALL LETTERING TO BE STAMPED 1/16" DEEP.
- 2) ALL FILLETS AND ROUNDS TO BE 1/16" RADIUS.
- 3) DISK TO BE MADE OF BRONZE.
- 4) STAMP WITH R.E. OR L.S. NUMBERS AND CHISEL CROSS WHEN USED FOR HORIZONTAL CONTROL.

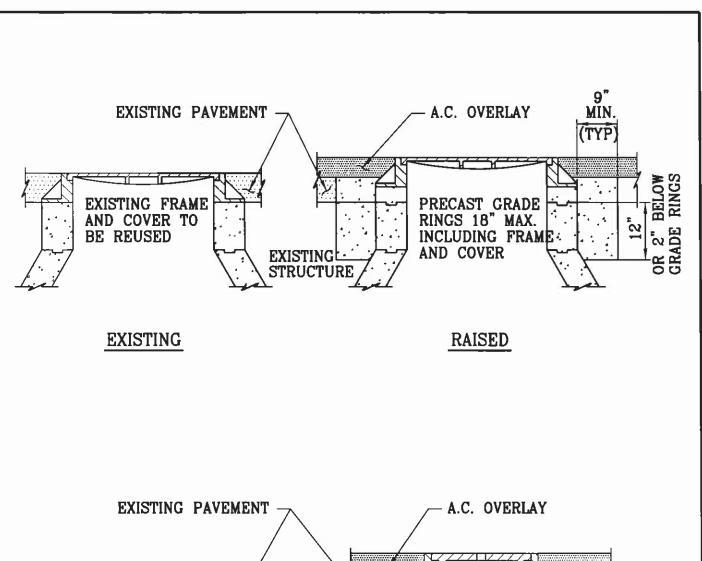
A SATING THE	SURVEY MONUMENT DISK	SHEET 1 OF 1
CITY OF CLAYTON Founded 1857 Incorporated, 1964	DATE: AUGUST, 2008 SCALE: NONE	PAGE
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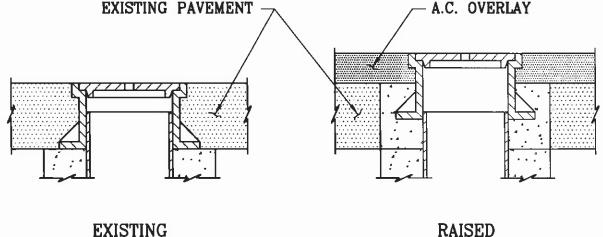
5/8"

SAW CUT



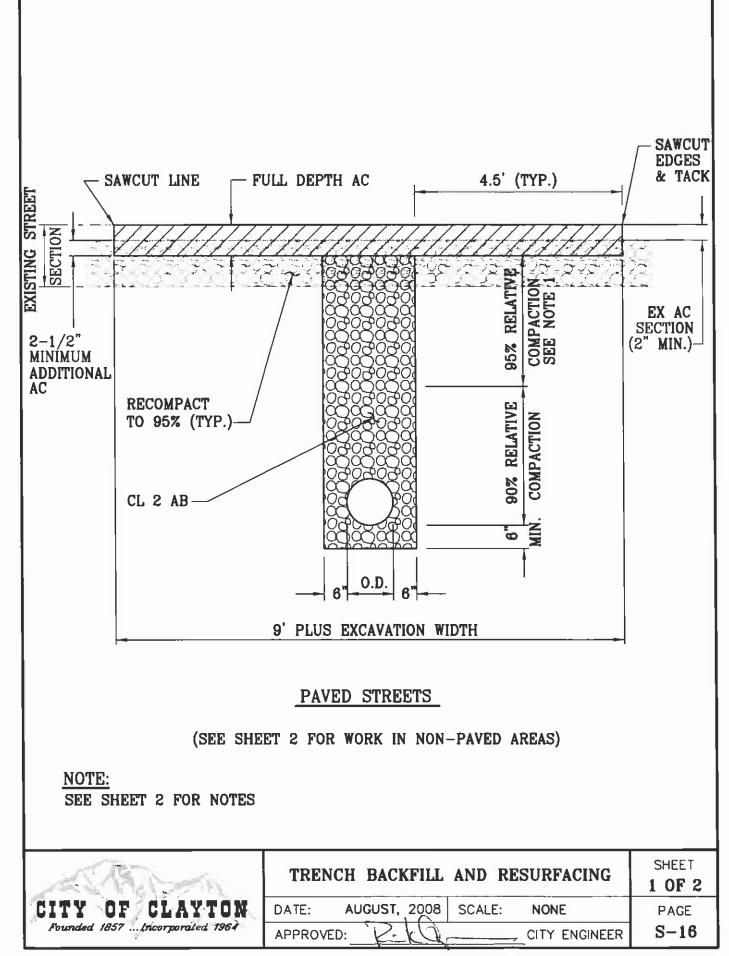


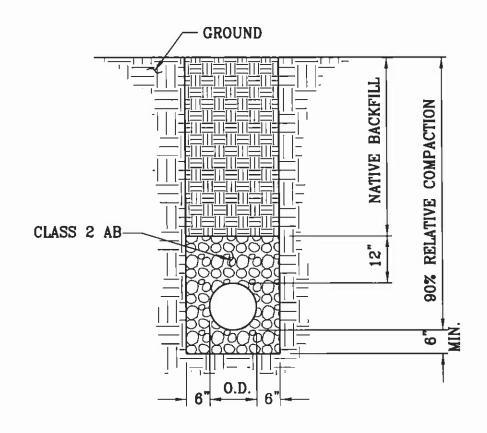




EXISTING RAISED

A TONE	MANHOLE / VALVE CASTING ADJUSTMENT DETAIL	SHEET 1 OF 1
CITY OF CLAYTON	DATE: AUGUST, 2008 SCALE: NONE	PAGE
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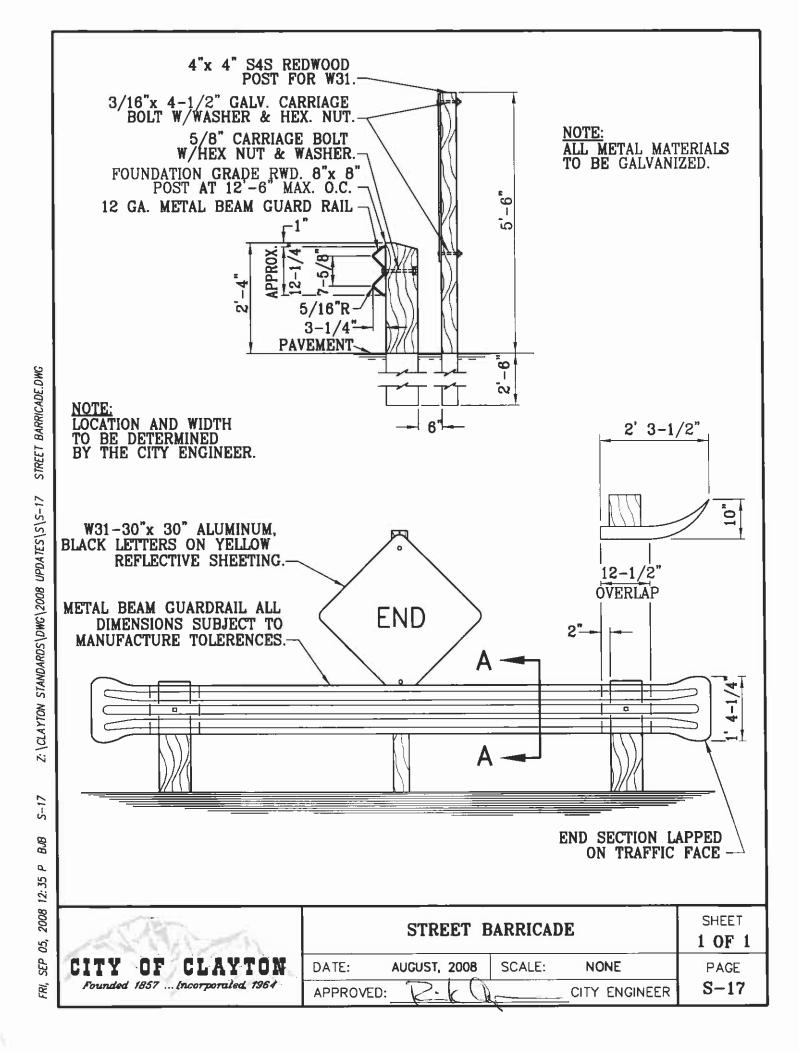


NON - PAVED AREAS

NOTES:

- 1) 95% RELATIVE COMPACTION REQUIRED FOR 2'-6" BELOW FINISHED GRADE OR 0'-6" BELOW STREET SECTION, WHICHEVER IS GREATER.
- 2) TRENCHES RUNNING LONGITUDINALLY IN EXISTING STREETS SHALL BE RESURFACED USING AN APPROVED SPREADER BOX. THE EDGES OF ALL TRENCHES SHALL BE NEATLY RAKED.
- 3) MATERIAL FOR "NATIVE BACKFILL" SHALL BE OBTAINED FROM THE EXCAVATION AND SHALL BE FREE FROM STONES, LUMPS, BROKEN CONCRETE OR BITUMINOUS SURFACING EXCEEDING 4" IN GREATEST DIMENSION, VEGETABLE MATTER, OR OTHER UNSATISFACTORY MATERIAL. THE MATERIAL SHALL CONTAIN SUFFICIENT FINES TO INSURE THAT VOIDS WILL BE FILLED AND THAT SPECIFIED COMPACTION REQUIREMENTS WILL BE MET. WHEN MATERIAL FROM THE EXCAVATION IS DEEMED UNSUITABLE FOR USE AS BACKFILL BY THE CITY ENGINEER, IT SHALL BE DISPOSED OF AND SUITABLE MATERIAL FURNISHED.
- 4) BACKFILL MATERIAL FOR TRENCHES SHALL BE PLACED AND COMPACTED IN 6"-8" LIFTS.

AND THE	TRENCH BACKFILL AND RESURFACING	SHEET 2 OF 2
CITY OF CLAYTON	DATE: AUGUST, 2008 SCALE: NONE	PAGE
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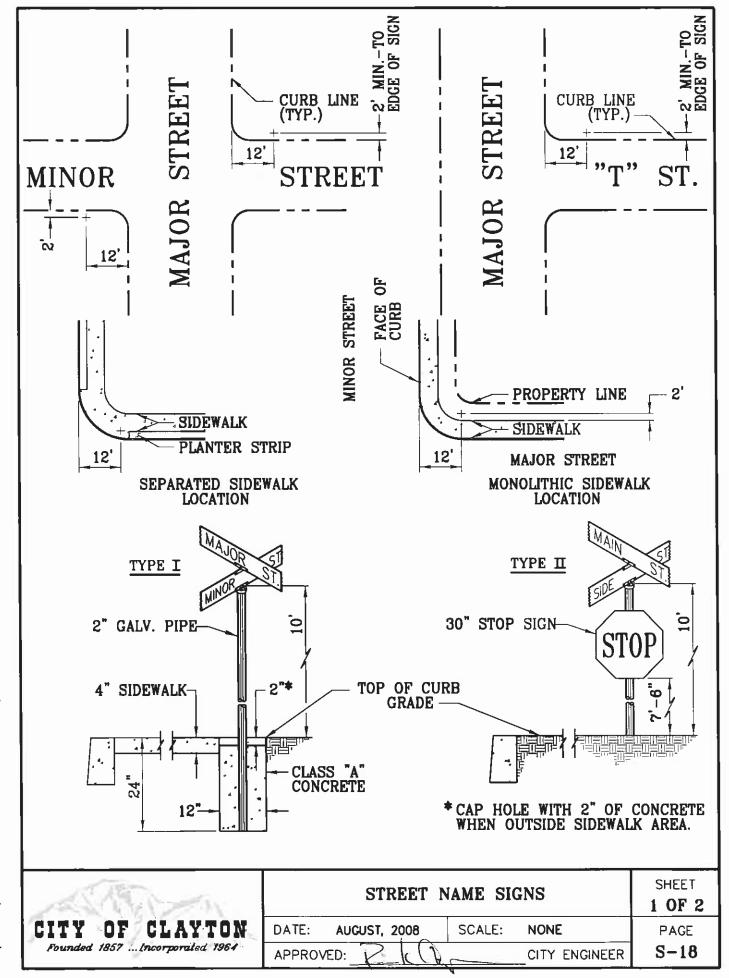


PLATE:

6"x VARIABLE, 24" MINIMUM x .125" UNREFLECTIVE BROWN BACKGROUND, DOUBLE-FACED RUSTIC STYLE.



MAIN ST.



V14F-(HD)SL-2C2P ILLUSTRATE

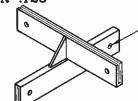
LEGEND:

P.T. BARNUM STYLE, REFLECTIVE WHITE, 4" UPPER AND LOWER CASE MAIN COPY, PREFIX AND SUFFIX.

Clayton Rd.

CROSSPIECE:

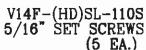
V14F-(HD)SL-105(90) SLOTTED FOR .125"

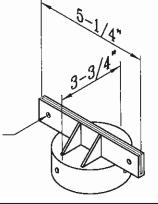


-V14F-(HD)SL-110S 5/16" SET SCREWS (4 EA.)

CAP:

V14F-(HD)SL-107(2C) SLOTTED FOR .125" TO FIT 2" I,D, PIPE POST.





V14F-(HD)SL-2C1P ONE NAME ASSEMBLY V14F-(HD)SL-2C2P TWO NAME ASSEMBLY

6' x VARIABLE, 24" MINIMUM x .125" ALUMINUM RUSTIC STYLE PLATE, DOUBLE FACED, UNREFLECTIVE BROWN BACKGROUND. REFLECTIVE WHITE "P.T. BARNUM" STYLE UPPER AND LOWER CASE MAIN COPY, PREFIX AND SUFFIX. CAP TO FIT 2" I.D. PIPE. CAP AND CROSSPIECE TO FIT .125" ALUMINUM.

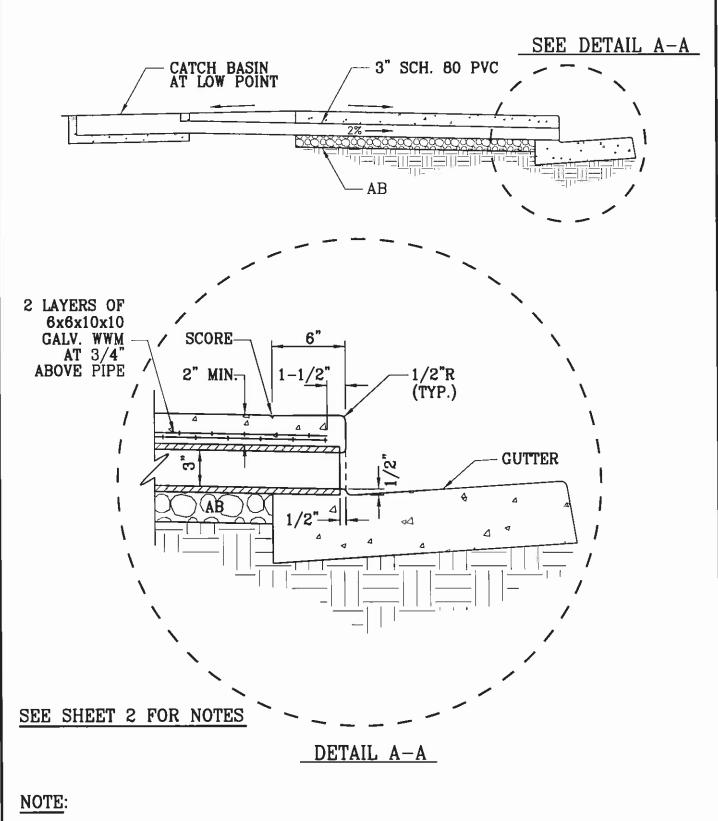
PURSUANT TO THE CITY OF CLAYTON SPECIFICATIONS.

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CITY OF CLAYTON	DATE:	AUGUST, 2008	SCALE: NONE	PAGE		
Founded 1857 Incorporated 1964	APPROV	ED: Pe COM	CITY ENGINEER	S-18		

D- Series

(Drainage)

2



ADD SCORE LINE OVER CENTER LINE OF PIPE.

A CARLES	SIDEWALK UNDERDRAIN			SHEET 1 OF 2	
CITY OF CLAYTON	DATE:	AUGUST, 2008	SCALE:	NONE	PAGÉ
Founded 1857 Incorporated 1964	APPROV	ED: Ala		CITY ENGINEER	D-1

F.P.

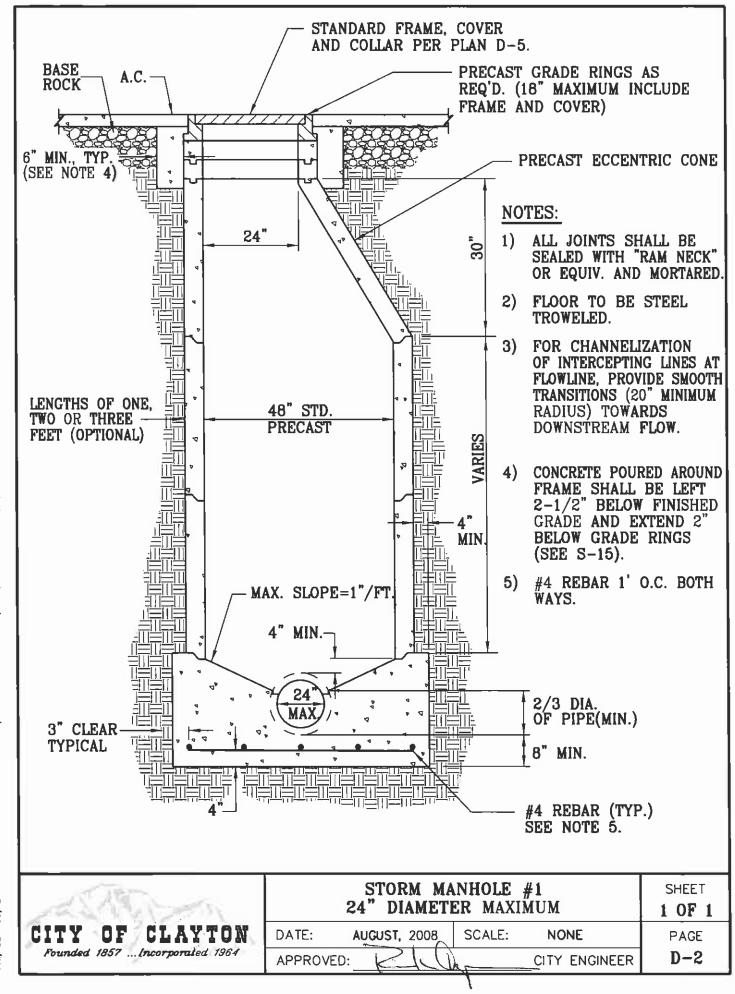
GENERAL NOTES:

- 1) IF MULTIPLE CONDUITS ARE USED, SPACE 4" CLEAR BETWEEN EACH CONDUIT.
- 2) MAXIMUM RECTANGULAR CONDUIT SHALL BE 3"x 6".
- 3) NUMBER AND SIZE OF CONDUITS FOR SPECIFIED DRAINAGE AREA:

	SIZE	3" Ф	2-3" 0	3" 中	3"x 4"	3"x 5"	3"x 6"
ф AREA	PARKING LOT	2000	4000	4000	5000	6500	8000
DRAINED	RESIDENTIAL	5000	10000	6200	10000	13000	16000

- 4) CONDUIT SHALL BE STEEL OR PVC (MINIMUM SCHEDULE 80) OR AS APPROVED BY THE CITY ENGINEER.
- 5) OUTLET THROUGH EXISTING CURBS MAY BE CORED.

CITY OF CLAYTON Founded 1857 Incorporated, 1964		SHEET 2 OF 2			
	DATE:	AUGUST, 2008	SCALE:	NONE	PAGE
	APPROVED: CITY ENGINEER			D-1	

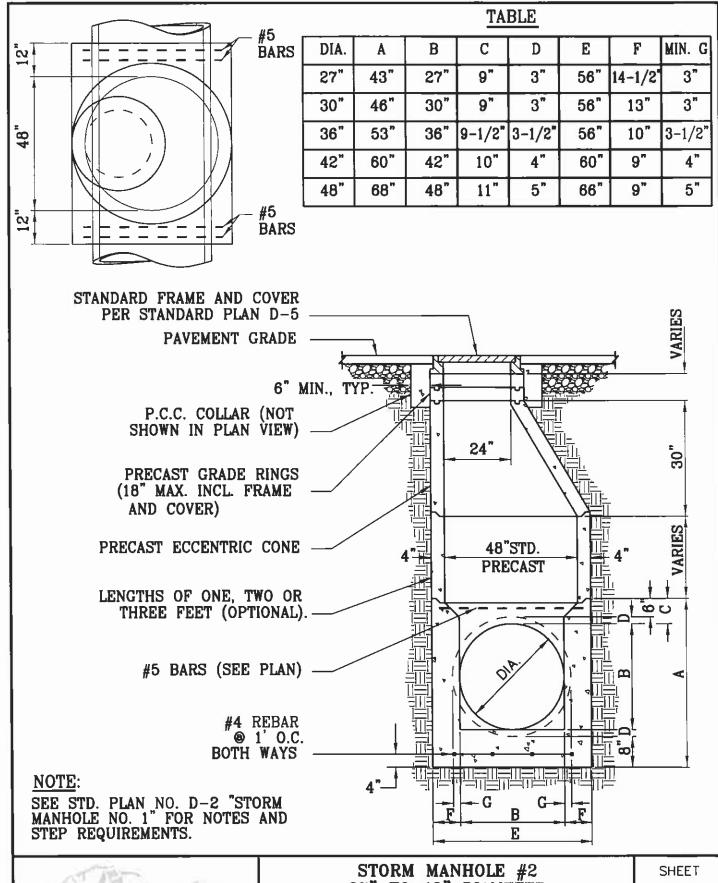




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SEP

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CITY OF CLAYTON

Founded 1857 Incorporated 1964

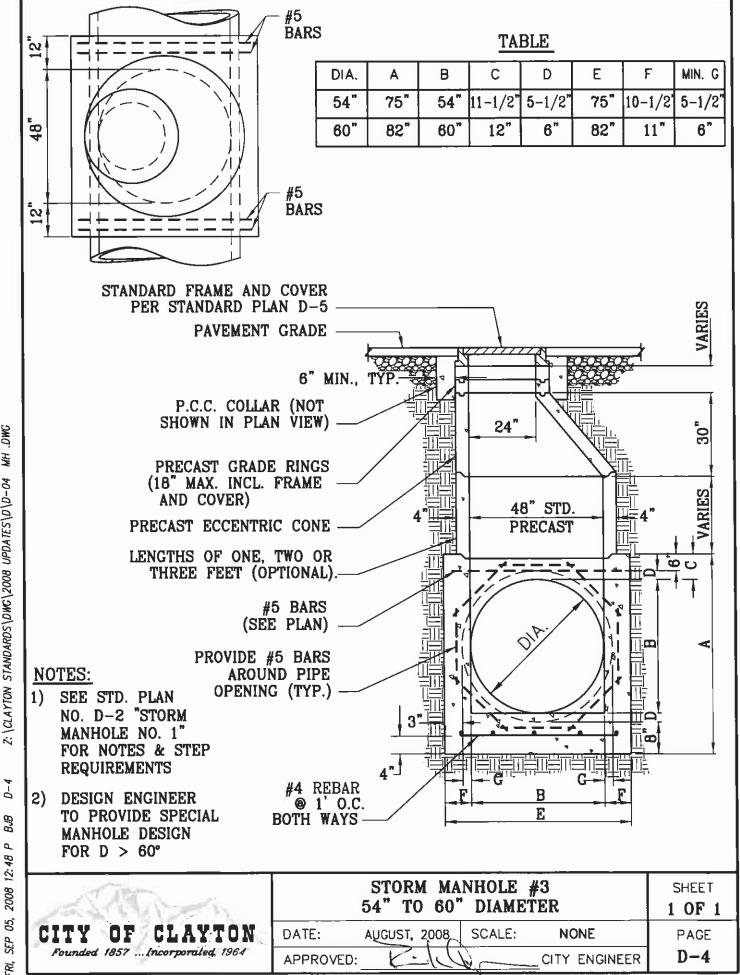
APPROVED: (CITY ENGINEER)

1 OF 1

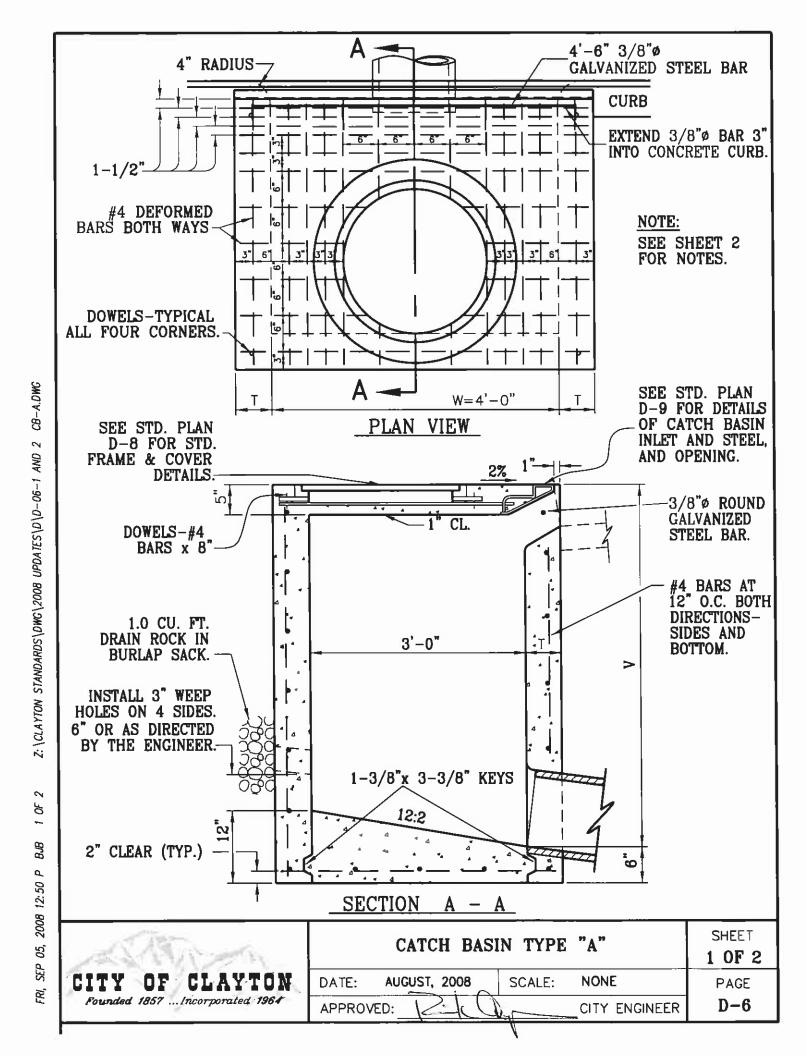
PAGE

D-3





Z: \CLAYTON STANDARDS\DWC\2008 UPDATES\D\D-05 MH LID.DWG 0-5 BVB 2008 12:49 P



FRI, SEP

NOTES:

- 1) CONNECTION PIPES MAY BE PLACED IN ANY POSITION AROUND THE WALLS CONSISTENT WITH THE IMPROVEMENT PLANS (EXCEPT THE PIPE SHALL NOT ENTER AT THE CORNERS OF THE CATCH BASIN).
- 2) CONNECTION PIPES SHALL BE TRIMMED TO THE FINAL SHAPE AND LENGTH BEFORE CONCRETE IS POURED.
- 3) CURVATURE OF THE LIP AND SIDEWALLS AT GUTTER OPENING SHALL BE FORMED BY CURVED FORMS AND SHALL NOT BE MADE BY PLASTERING.
- 4) DIMENSIONS:

V=4 FEET MINIMUM UNLESS APPROVED BY THE CITY ENGINEER.

T=6 INCHES IF V IS 4 FEET OR LESS.

T=8 INCHES IF V IS BETWEEN 4 FEET AND 8 FEET.

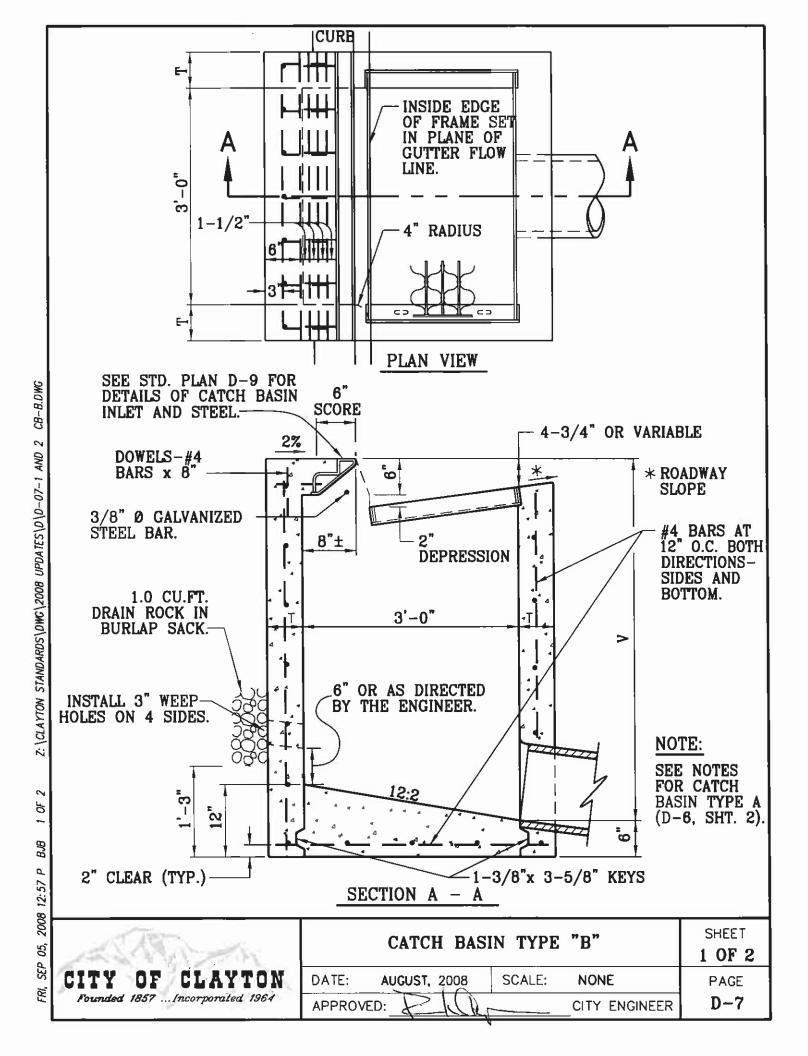
T=10 INCHES IF V IS 8 FEET OR MORE.

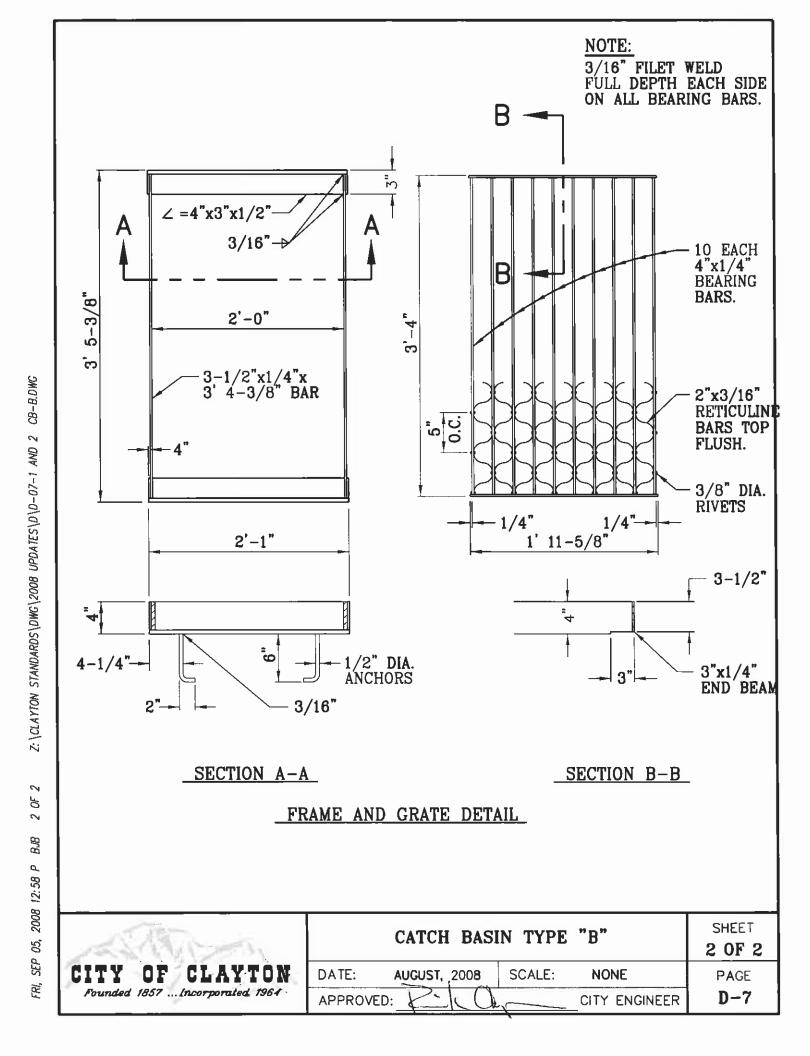
5) STEPS SHALL BE 14" WIDE, 3/4" DIAMETER, PLAIN, ROUND GALVANIZED STEEL STEPS SPACED AS FOLLOWS:

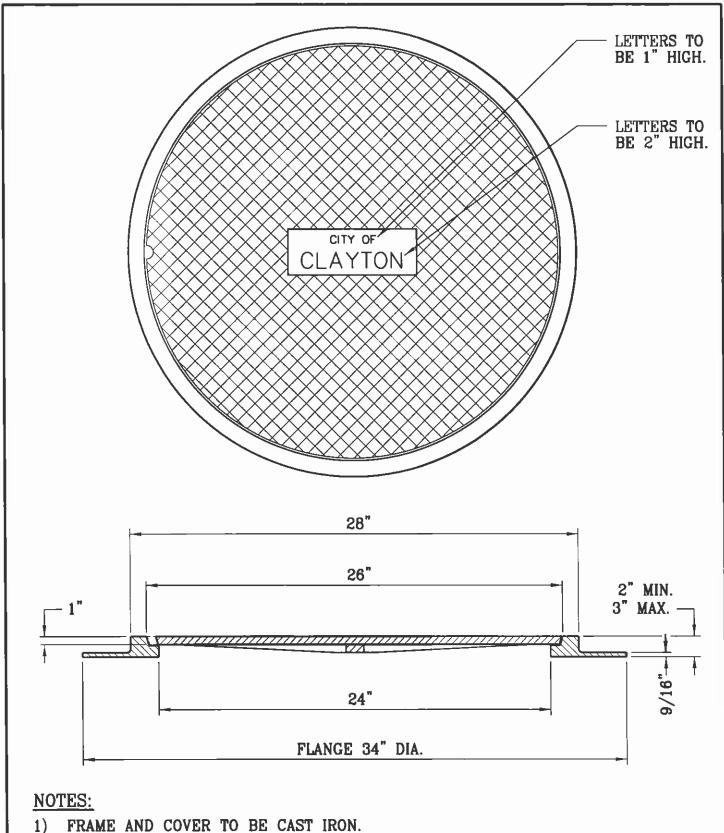
IF V IS 3-1/2 FEET OR LESS, NO STEPS REQUIRED; IF V IS BETWEEN 3-1/2 FEET AND 4 FEET, INSTALL 1 STEP 12" ABOVE THE FLOOR OF THE BASIN; IF V IS MORE THAN 4 FEET, INSTALL STEPS 17" APART WITH THE TOP STEP 6" BELOW THE TOP OF THE BASIN.

- 6) ALL STEPS SHALL BE 4" FROM THE WALL, EXCEPT THE TOP STEP WHICH SHALL BE 2-1/2" FROM THE WALL.
- 7) THE FLOOR OF THE BASIN SHALL BE TROWELED AND RETROWELED TO PRODUCE A HARD, POLISHED SURFACE OF MAXIMUM DENSITY AND SMOOTHNESS. SLOPE OF FLOOR SHALL BE 12:2 TOWARDS THE OUTLET PIPE.
- 8) KEYS REQUIRED ONLY WHEN FLOOR IS POURED SEPARATE FROM THE WALLS.
- 9) CATCH BASIN TOP SHALL BE POURED MONOLITHIC WITH SIDEWALK WHEN BASIN IS LOCATED WITHIN A PROPOSED SIDEWALK.
- 10) ADD 3/8" DIAMETER GALVANIZED STEEL BAR ACROSS OPENING. EXTEND BAR 3" INTO CONCRETE CURB.

CITY OF CLAYTON Founded 1857 Incorporated 1964	CATCH BASIN TYPE "A"				SHEET 2 OF 2
	DATE:	AUGUST, 2008	SCALE:	NONE	PAGE
	APPROVED:			CITY ENGINEER	D-6

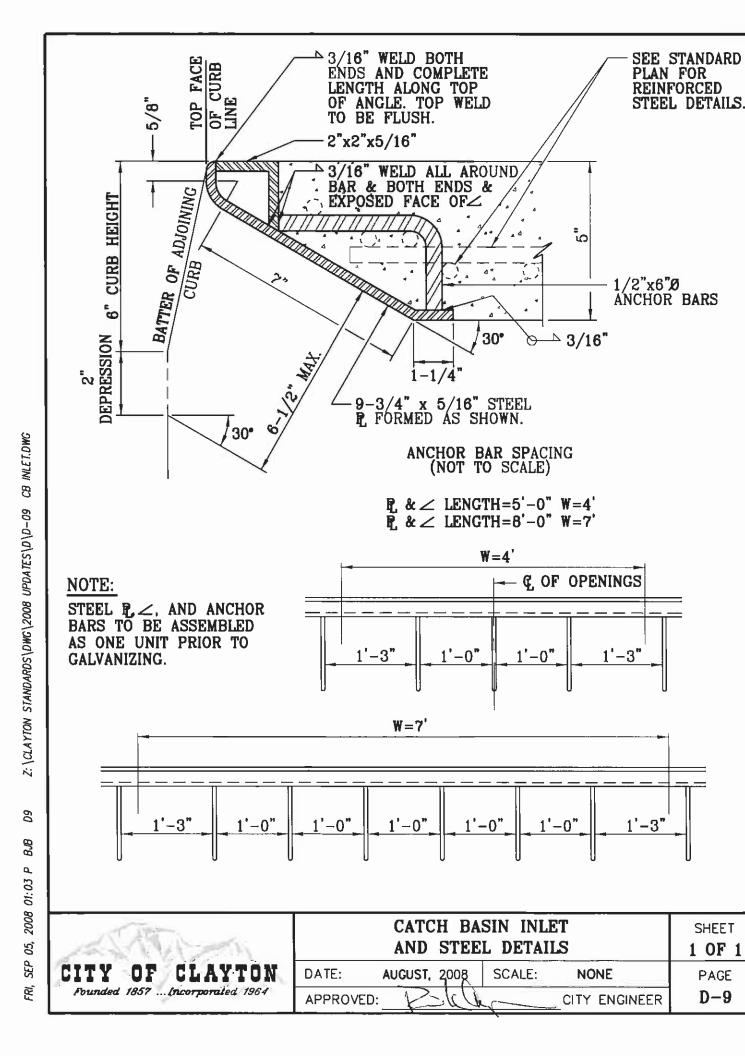


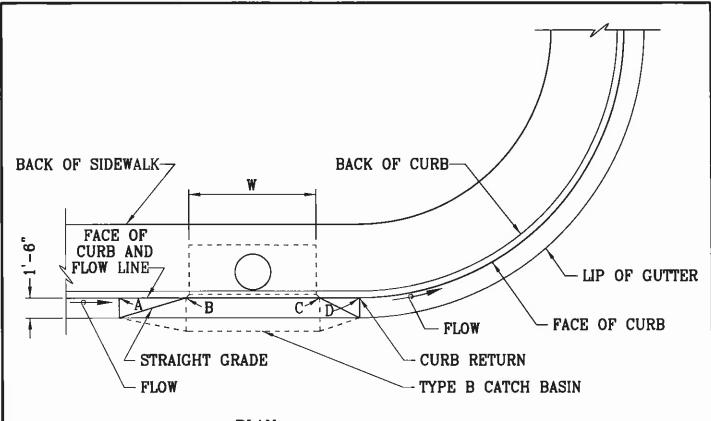




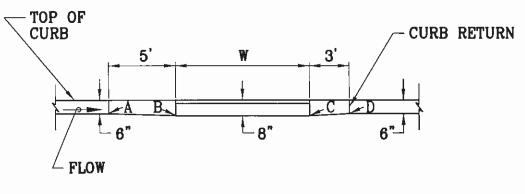
- LETTERS TO BE RAISED 1/8".

- CAN COM	CATCH BASIN FRAME & COVER	SHEET 1 OF 1
CITY OF CLAYTON	DATE: AUGUST, 2008 SCALE: NONE	PAGE
Founded 1857 Incorporated, 1964	APPROVED: CITY ENGINEER	D-8





PLAN



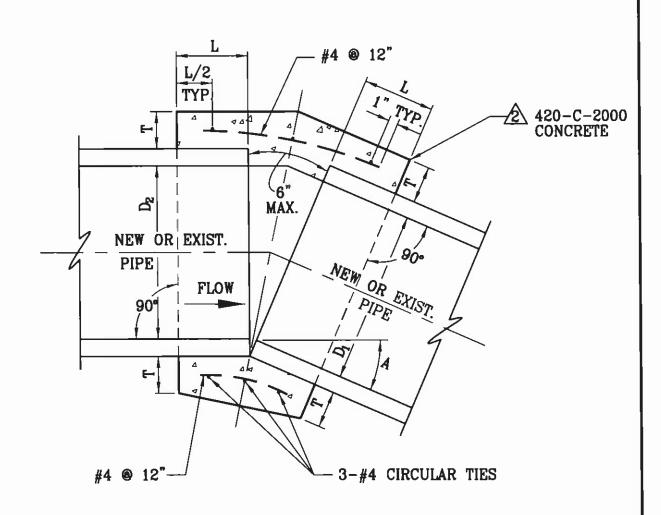
PROFILE

- 1) W = 4', OR AS NOTED ON CONSTRUCTION PLANS.
- 2) IN A SUMP CONDITION, INCREASE DISTANCE FROM "C" TO "D" TO 5'.

A STATE OF THE STA	GUTTER WARPING DETAILS FOR CATCH BASINS				SHEET 1 OF 1
CITY OF CLAYTON	DATE:	AUGUST, 2008	SCALE:	NONE	PAGE
Founded 1857 Incorporated 1964	APPROV	ED: P		CITY ENGINEER	D-10

TABLE

D	L	Т
12"	1.0'	4"
18"	1.0'	5"
24"	1.0'	6"
36"	1.5'	8"
48"	1.5	10"
57"	1.5'	10"
60"	1.75	11"
66"	1.75'	11"



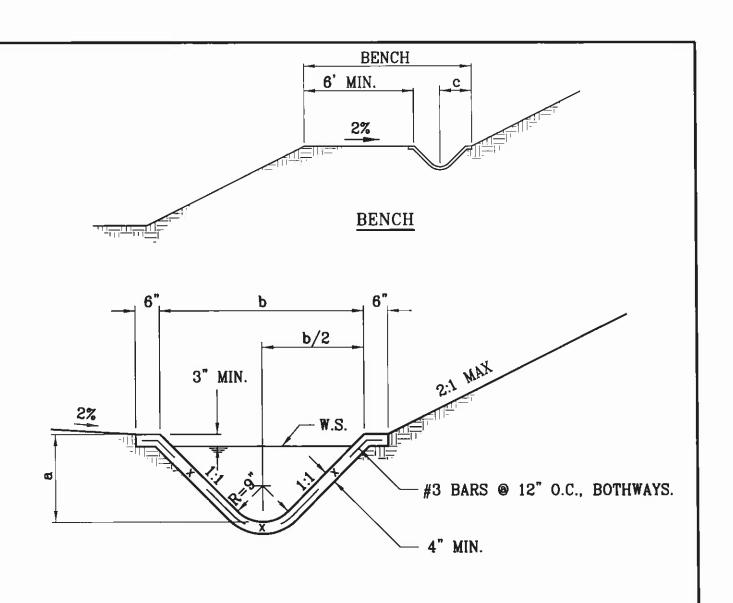
FOR PIPES 12" THROUGH 66"

A CARLON	CONCRETE COLLAR	SHEET 1 OF 2
CITY OF CLAYTON	DATE: AUGUST, 2008 SCALE: NONE	PAGE
Founded 1857 Incorporated 1964	APPROVED: CITY ENGINEER	D-11

SEP

- 1) CONCRETE COLLARS MAY BE USED ONLY IF APPROVED BY CITY ENGINEER.
- 2) WHERE PIPES OF DIFFERENT DIAMETERS ARE JOINED WITH A CONCRETE COLLAR, L AND T SHALL BE THOSE OF THE LARGER PIPE.
- 3) FOR PIPE LARGER THAN 66", A SPECIAL COLLAR DETAIL IS REQUIRED.
- 4) FOR PIPE SIZE NOT LISTED, USE NEXT LARGER SIZE.
- 5) OMIT REINFORCING ON PIPES 24" AND LESS IN DIAMETER AND ON ALL PIPES WHERE ANGLE A IS LESS THAN 10".
- 6) WHERE REINFORCING IS REQUIRED, THE DIAMETER OF THE CIRCULAR TIES SHALL BE D + (2 x WALL THICKNESS) +8".
- 7) WHEN D_1 , IS EQUAL TO OR LESS THAN D_2 , JOIN INVERTS, AND WHEN D_1 IS GREATER THAN D_2 , JOIN SOFFITS.
- 8) NOT TO BE USED FOR A SIZE CHANGE ON THE MAINLINE.

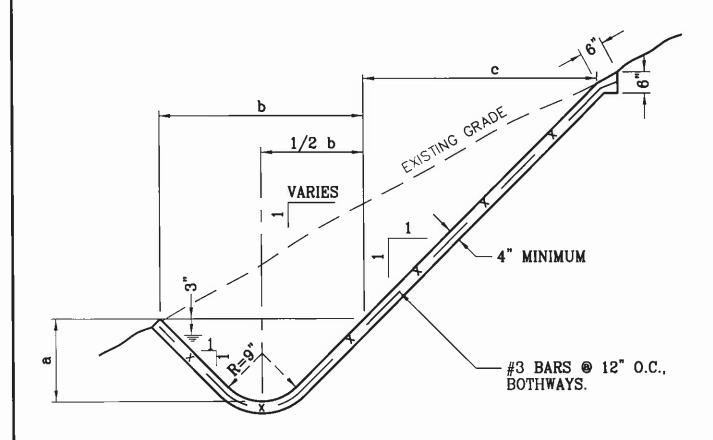
A STATE OF THE STA	CONCRETE COLLAR	SHEET 2 OF 2
CITY OF CLAYTON	DATE: AUGUST, 2008 SCALE: NONE	PAGE
Founded 1857 Incorporated, 1964	APPROVED: CITY ENGINEER	D-11



a	Ъ	С
12"	32"	22"
15"	36"	24"
18"	42"	27"

- 1. INTERCEPTOR DITCHES SHALL BE COLORED "SEQUOIA SAND" PER THE DAVIS COLOR CHART WITH CURING COMPOUND TO MATCH.
- 2. MINIMUM DEPTH (a) = 12"
- 3. = DESIGN WATER SURFACE

al Pilliania	INTERCEPTOR DITCH AND BENCH	SHEET 1 OF 1
CITY OF CLAYTON	DATE: AUGUST, 2008 SCALE: NONE	PAGE
Founded 1857 Incorporated, 1964	APPROVED: CITY ENGINEER	D-12

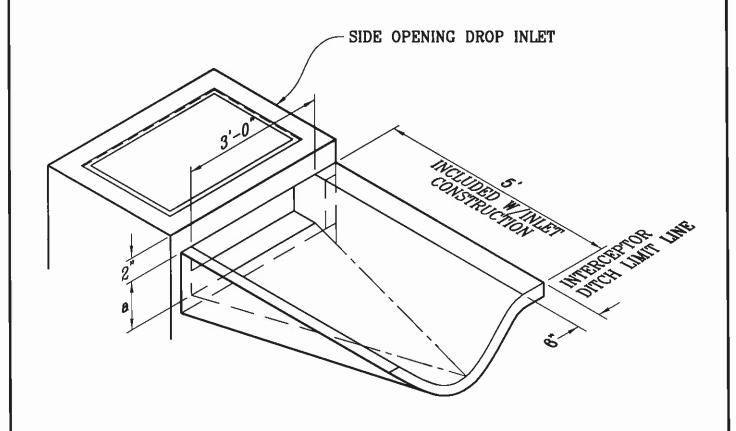


INTERCEPTOR DITCH FOR SLOPES 2:1 OR FLATTER AND NO BENCH AVAILABLE

EXISTING GRADE	a	Ъ	С
2:1	12"	24"	24"
3:1	12"	24"	12"
4:1	12"	24"	9"

- 1. INTERCEPTOR DITCHES SHALL BE COLORED "SEQUOIA SAND" PER THE DAVIS COLOR CHART WITH CURING COMPOUND TO MATCH.
- 2. MINIMUM DEPTH (a) = 12"
- 3. = DESIGN WATER SURFACE

INTERCEPTOR DITCH FOR SLOPES 2:1 OR FLATTER			
CITY OF CLAYTON	DATE: AUGUST, 2008 SCALE: NONE	PAGE	
Founded 1857 Incorporated 1964	APPROVED: CITY ENGINEER	D-13	



- 1. WHERE a EXCEEDS 8" ADD HORIZONTAL 3/8" ROUND GALVANIZED STEEL BAR HALWAY UP OPENING.
- 2. a=6" MINIMUM; SIDE OPENING AREA TO EQUAL CROSS SECTION AREA OF DITCH PRIOR TO TRANSITION.

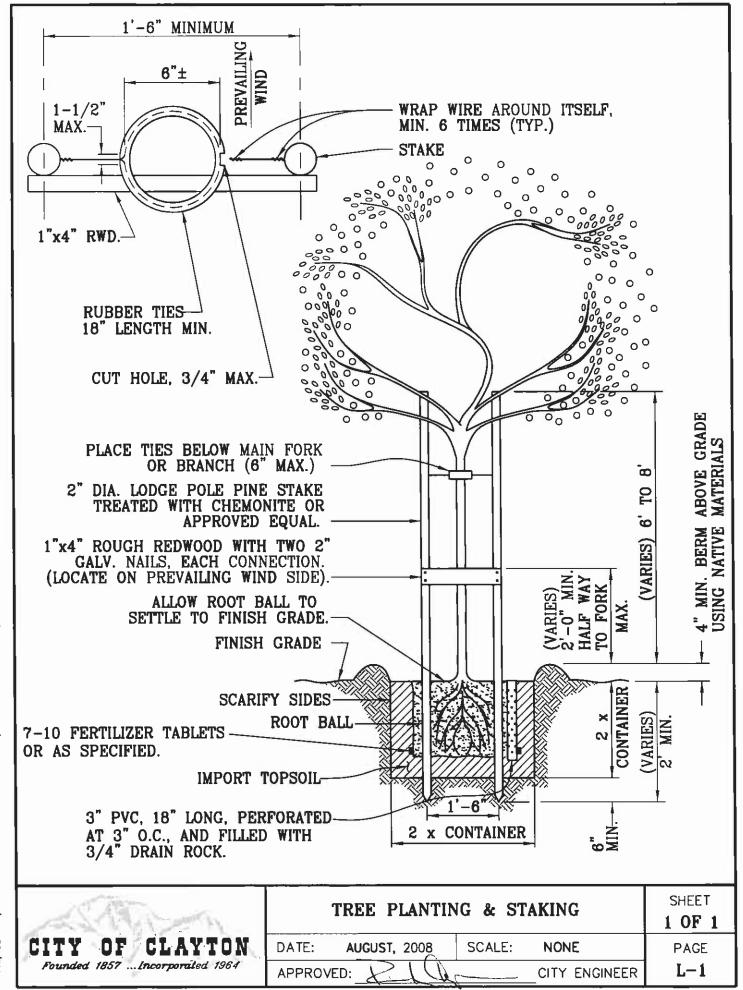
A CARLON	CONCRETE DITCH TRANSITION AT INLET			SHEET 1 OF 1	
CITY OF CLAYTON	DATE:	AUGUST, 2008	SCALE:	NONE	PAGE
Founded 1857 Incorporated 1964	APPROV	ED: PICO		CITY ENGINEER	D-14

L – Series

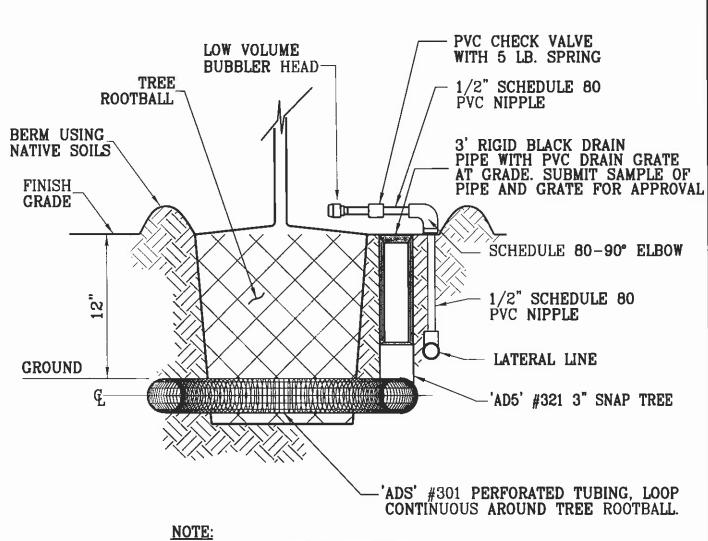
(Landscaping)







FRJ.

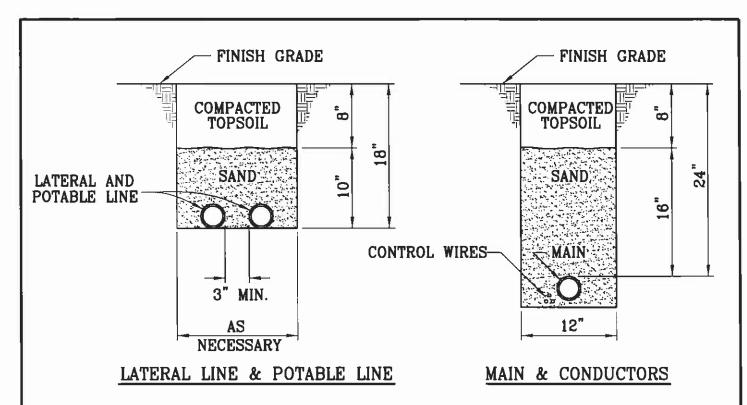


NOTE:
ALL TREES TO HAVE INSTALLED
PANEL TYPE ROOT BARRIERS

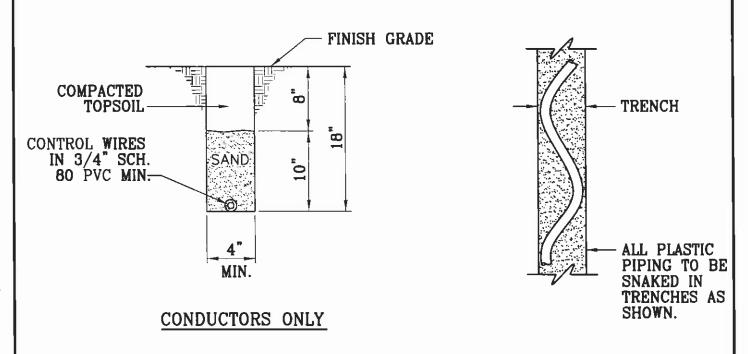
- CATALON	TREE	BUBBLER WITH	PERFOR	RATED "RING"	SHEET 1 OF 1
CITY OF CLAYTON	DATE:	AUGUST, 2008	SCALE:	NONE	PAGE
Founded 1857 Incorporated 1964	APPRO	VED: Phil		CITY ENGINEER	L-2







NOTE: TIE WIRING AT 10-FOOT INTERVALS.



A TANK	IRRIGATION TRENCH	SHEET 1 OF 1
CITY OF CLAYTON	DATE: AUGUST, 2008 SCALE: NONE	PAGE
Founded 1857 Incorporated 1964	APPROVED: CITY ENGINEER	L-3



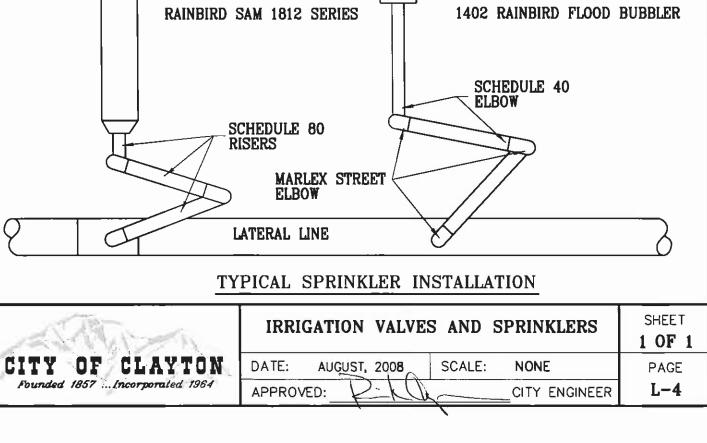
B/B

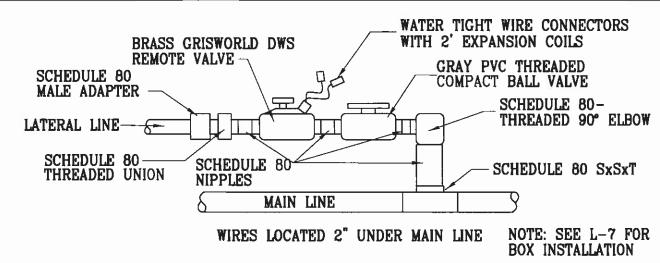
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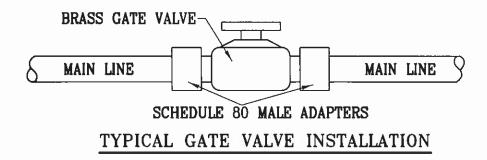
SFP

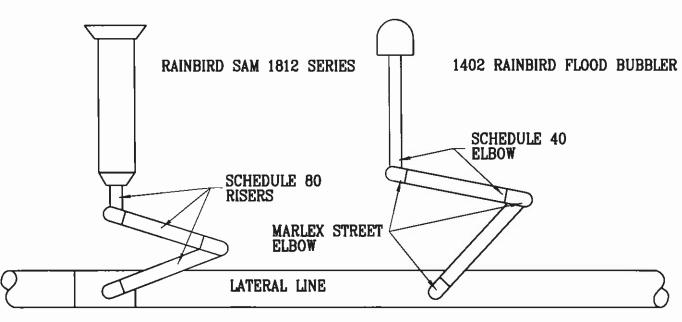
<u>6</u>2

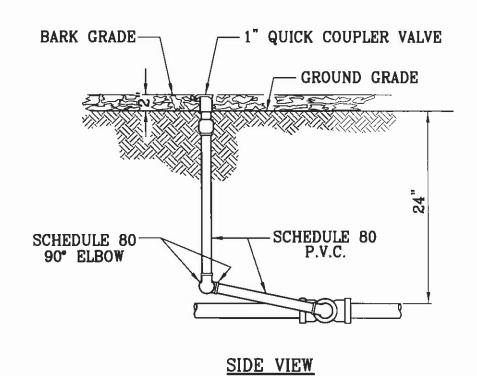


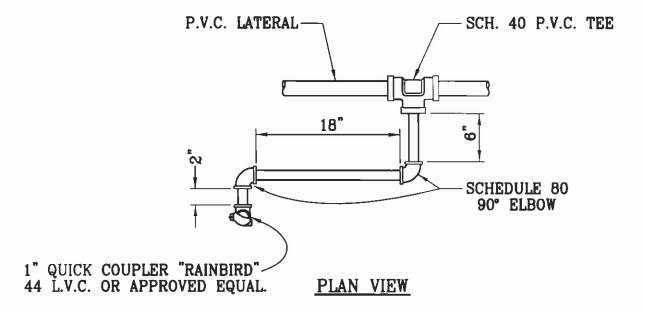


TYPICAL CONTROL VALVE INSTALLATION

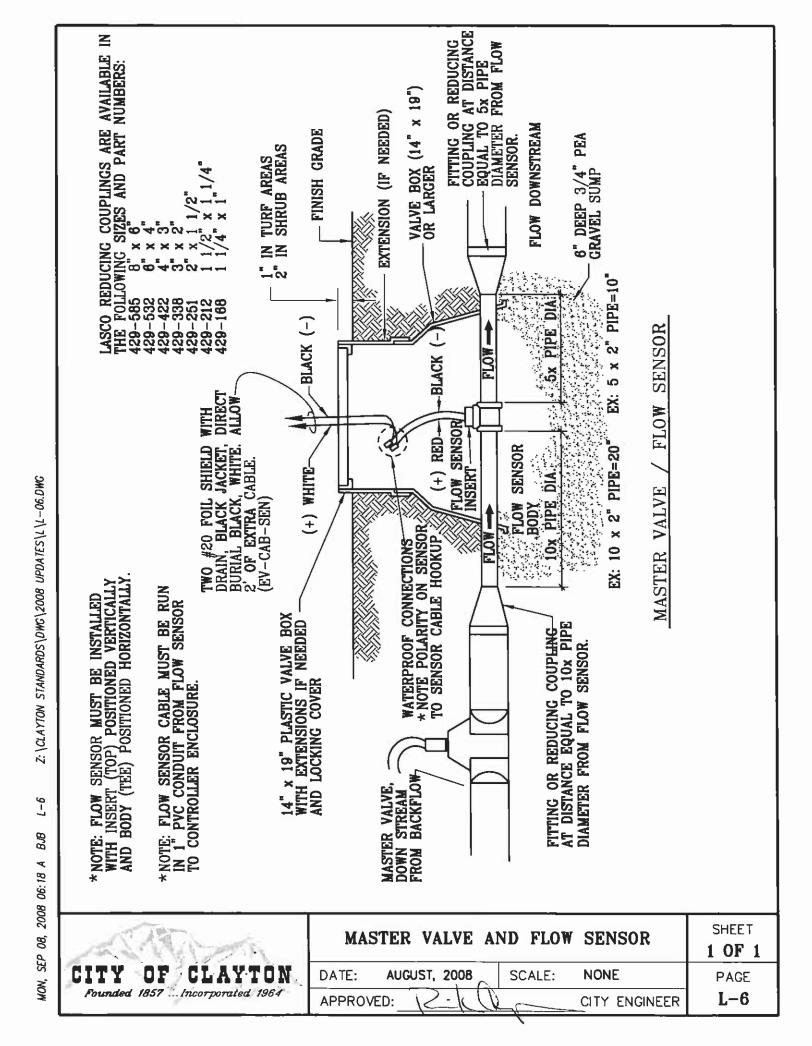


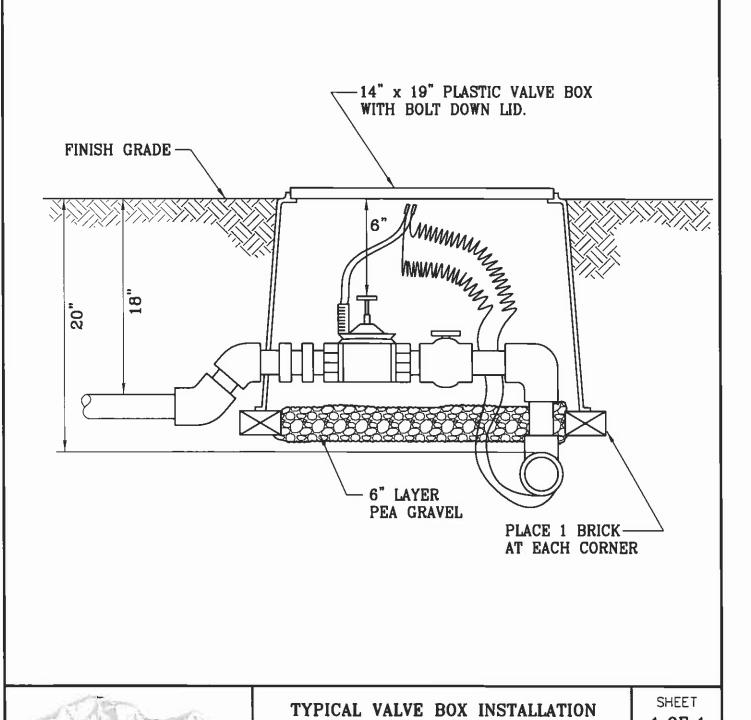






CITY OF CLAYTON Founded 1857 Incorporated, 1964	QUICK COUP	SHEET 1 OF 1	
	DATE: AUGUST, 2008	SCALE: NONE	PAGE
	APPROVED:	CITY ENGINEER	L-5





AUGUST, 2008

SCALE:

NONE

CITY ENGINEER

DATE:

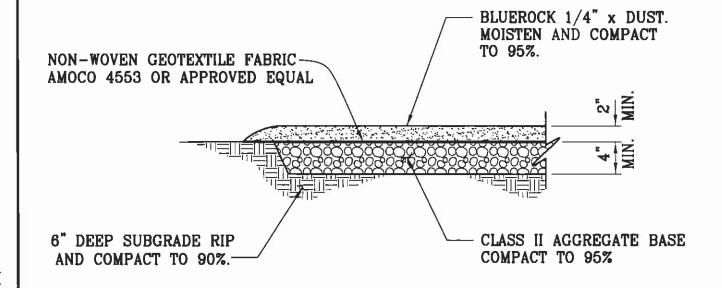
APPROVED:

Founded 1857 ... Incorporated 1964

1 OF 1

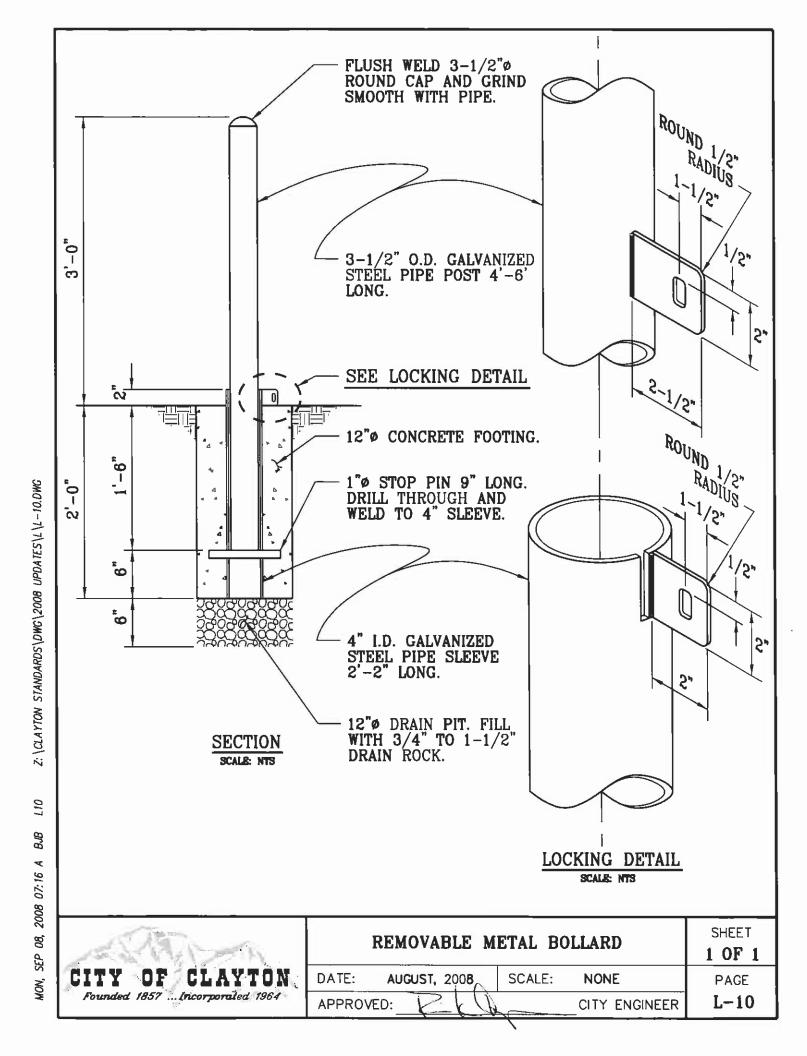
PAGE

L-7



SEE L-9 FOR HEADERBOARD AND STAKING WHEN SPECIFIED.

CITY OF CLAYTON Founded 1857 Incorporated 1964	HIKING TRAIL	SHEET 1 OF 1
	DATE: AUGUST, 2008 SCALE: NONE	PAGE
	APPROVED: CITY ENGINEER	L-8





11-7

ВЛВ

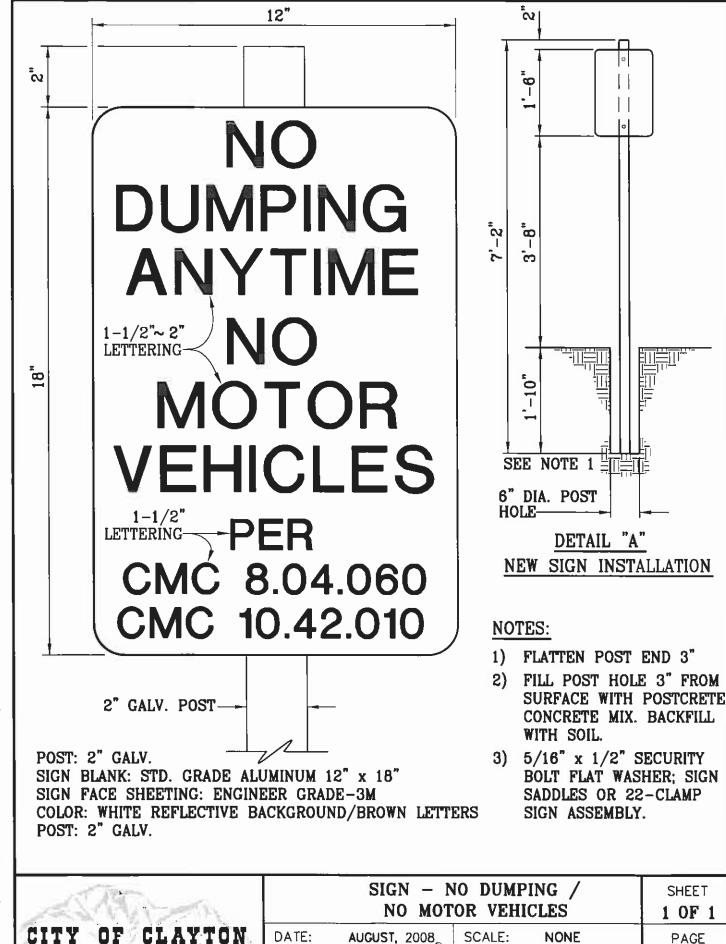
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Founded 1857 ... Incorporated, 1964

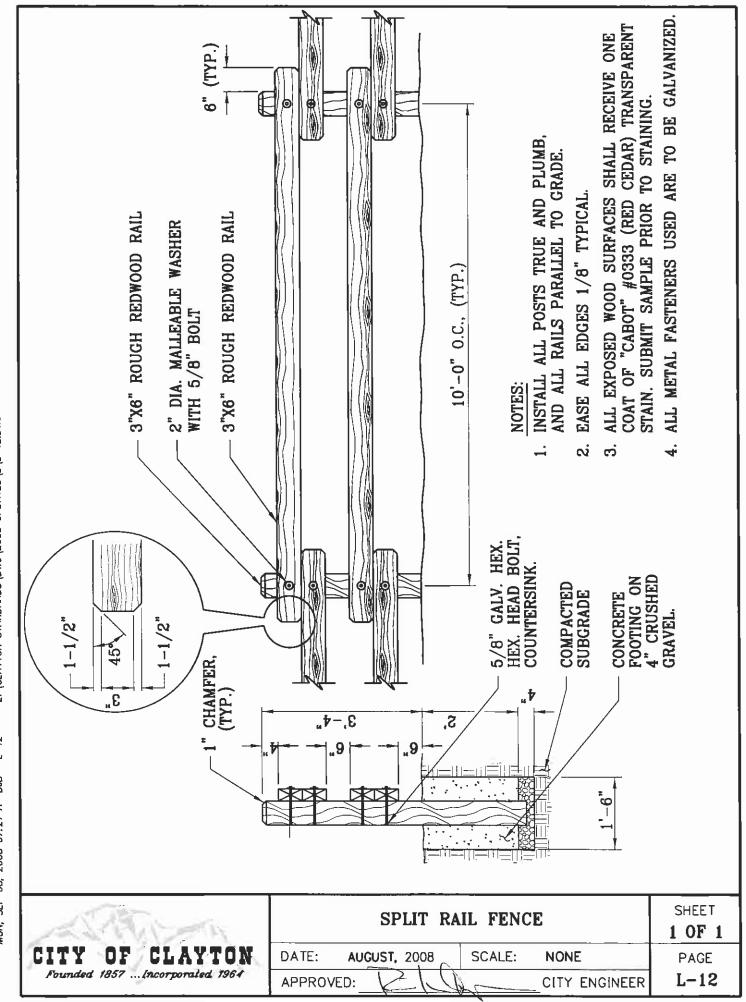


APPROVED:

L-11

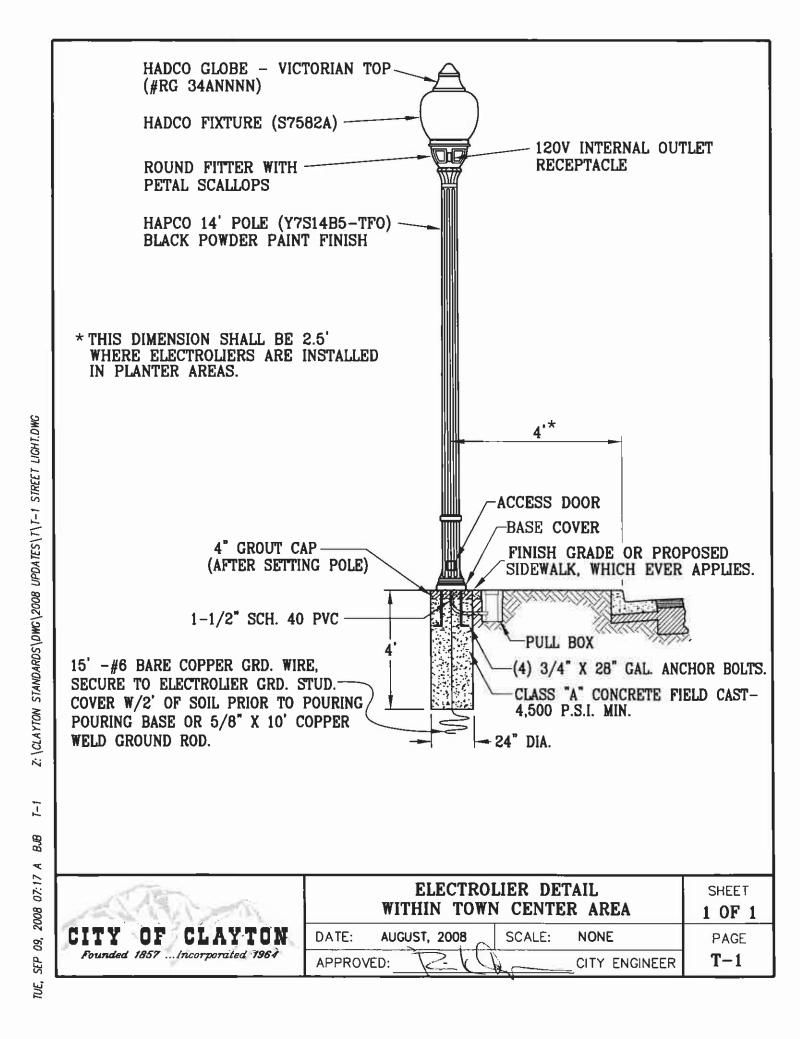
CITY ENGINEER





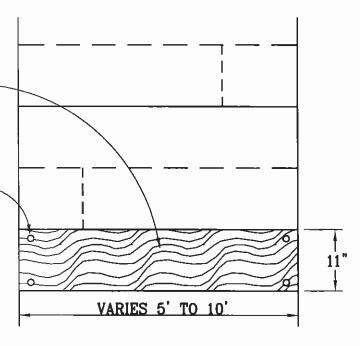
T – Series

(Town Center)



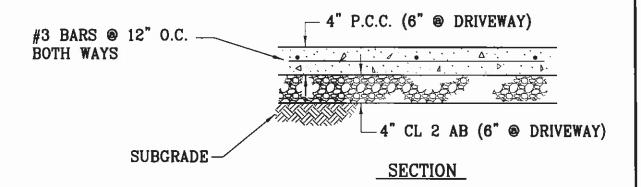
'BOARDWALK' PATTERN STAMPED
CONCRETE, AS SHOWN. CONTRACTOR
TO SUBMIT SAMPLE OF PATTERN,
PRIOR TO CONSTRUCTION, FOR APPROVAL.

"BOMANITE" COLOR # A-31 "WALNUT" OR APPROVED EQUAL. CONTRACTOR TO SUBMIT COLOR SAMPLE, PRIOR TO CONSTRUCTION, FOR APPROVAL.



NOTE: SEE S-12 FOR JOINTS AND SCORELINES

<u>PLAN</u>



NOTE: SUBGRADE AND BASE ROCK TO BE COMPACTED TO 95%

SEE S-12 FOR WEAKENED PLANE JOINTS, SCORE LINES, AND CONSTRUCTION JOINTS.

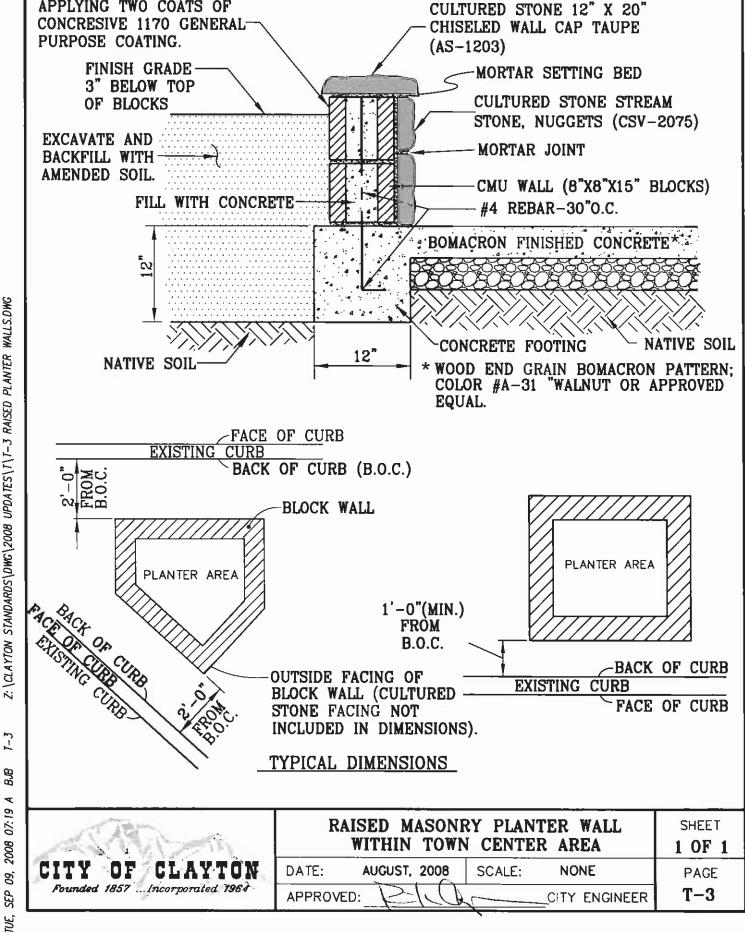
CONTRACTOR OF THE PARTY OF THE	TEXTURED CONCRETE SIDEWALK WITHIN TOWN CENTER AREA			SHEET 1 OF 1	
CITY OF CLAYTON Founded 1857 Incorporated 1964	DATE:	AUGUST, 2008	SCALE:	NONE	PAGE
	APPROVE	D: 210	<u> </u>	CITY ENGINEER	T-2



BUB

WATER SEAL BACK OF WALL BY

APPLYING TWO COATS OF



C3 – Series

(Stormwater Treatment)

Note: These details are provided for guidance only and are based upon the C.3 guidelines in effect at the present time (August 2008). It is the responsibility of the designer to insure that the construction details used are in conformance with the latest stormwater treatment requirements and regulations.



