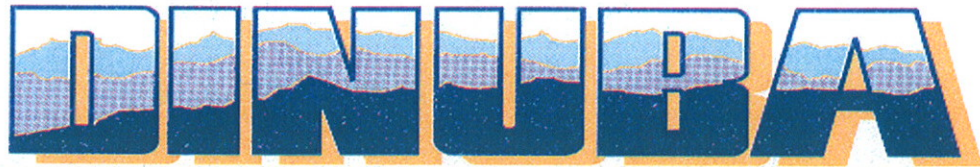


City Of



Public Improvement Standards



2007

CITY OF DINUBA PUBLIC IMPROVEMENT STANDARDS

SECTION 1 – SANITARY SEWER

<u>Drawing No</u>	<u>Title</u>
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SS-1a	SEWER AND WATER SERVICE PROPERTY LOCATIONS WITH PARK STRIPS SHOWN
SS-2	INVERT PLANS OF STANDARD MANHOLES
SS-3	STANDARD MANHOLE
SS-4	STANDARD DROP MANHOLE
SS-5	SEWER LATERALS
SS-6	MANHOLE FRAME AND COVER
SS-7	SEWER LAMPHOLE

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W-3	THRUST BLOCK DETAILS
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SD-9a	TYPE "E" CATCH BASIN 7FT. CURB INLET
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SD-9c	DETAIL OF TYPE "E" INLET OPENING
SD-10	TYPE "G" INLET (PAGE 1 OF 2)
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<u>Drawing No</u>	<u>Title</u>
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C-11	TYPICAL DRIVEWAY LOCATION DETAIL ALTERNATE #1
C-11a	TYPICAL DRIVEWAY LOCATION DETAIL ALTERNATE #1 WITH PARK STRIPS

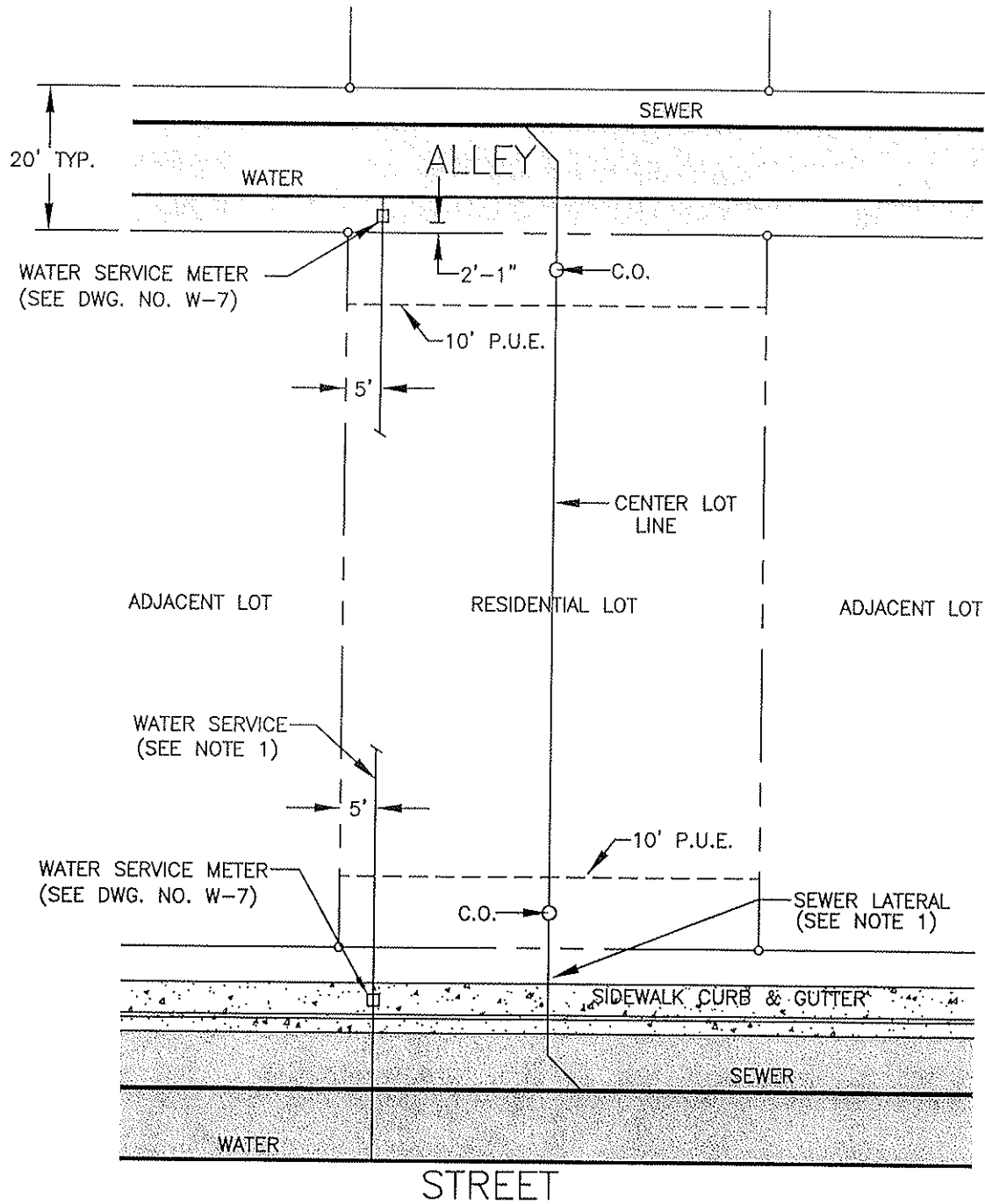
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<u>Drawing No</u>	<u>Title</u>
P-1	PARKING LOT REQUIREMENTS
P-1a	PARKING LOT REQUIREMENTS WITH PARK STRIPS SHOWN
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P-9a	LOCAL COLLECTOR STREET (60' R.O.W.) WITH PARK STRIPS
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E-16	MONUMENT SIGN



NOTES:

1. SEWER LATERAL TO BE LOCATED 5' FROM CENTER LOT LINE; WATER LATERAL TO BE LOCATED 5' FROM PROPERTY LINE.
2. SEWER LATERAL 5' ON PROPERTY WITH CLEANOUT ON BOTH STREET AND ALLEY SIDE. SEE SS-4.
3. ALL UTILITIES AND DRIVEWAYS SHALL BE LOCATED AT OPPOSITE PROPERTY LINE FROM WATER METER LOCATION.
4. FOR WATER METER INSTALLATION, SEE W-7.
5. TWO WAY CLEANOUT AT BUILDING TO REPLACE CLEANOUT IN P.U.E.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. Wotko
APPROVED BY CITY ENGINEER

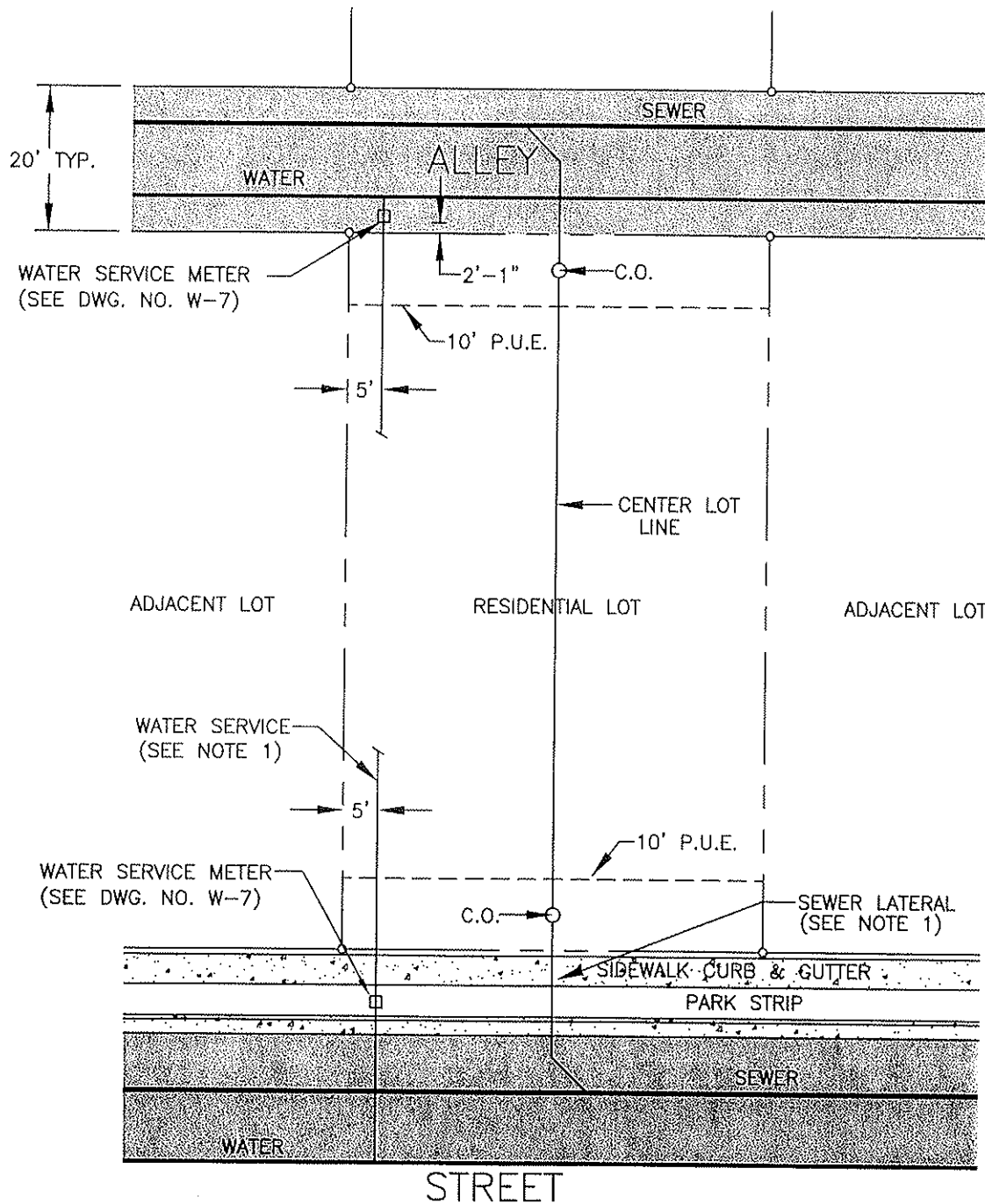
Barbara Bettner
APPROVED BY PUBLIC WORKS DIRECTOR

SEWER AND WATER SERVICE PROPERTY LOCATIONS

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **SS-1**

FILE NAME: SS-1.dwg	Dwn: Lubong
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06



NOTES:

1. SEWER LATERAL TO BE LOCATED 5' FROM CENTER LOT LINE; WATER LATERAL TO BE LOCATED 5' FROM PROPERTY LINE.
2. SEWER LATERAL 5' ON PROPERTY WITH CLEANOUT ON BOTH STREET AND ALLEY SIDE. SEE SS-4.
3. ALL UTILITIES AND DRIVEWAYS SHALL BE LOCATED AT OPPOSITE PROPERTY LINE FROM WATER METER LOCATION.
4. FOR WATER METER INSTALLATION, SEE W-7.
5. TWO WAY CLEANOUT AT BUILDING TO REPLACE CLEANOUT IN P.U.E.
6. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Don R. Otto
APPROVED BY CITY ENGINEER

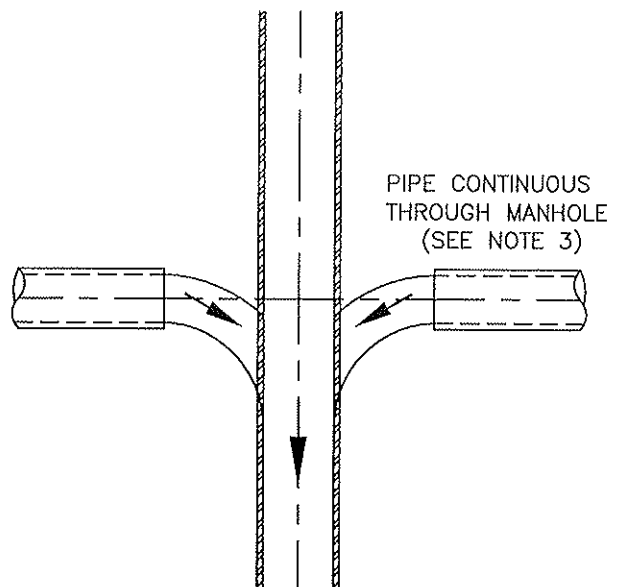
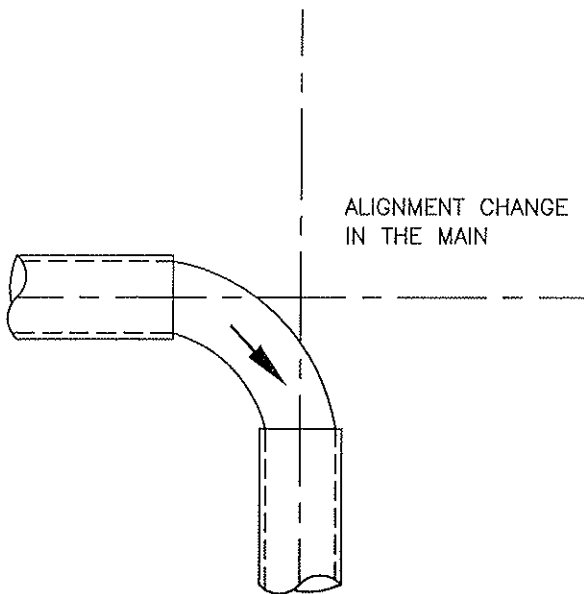
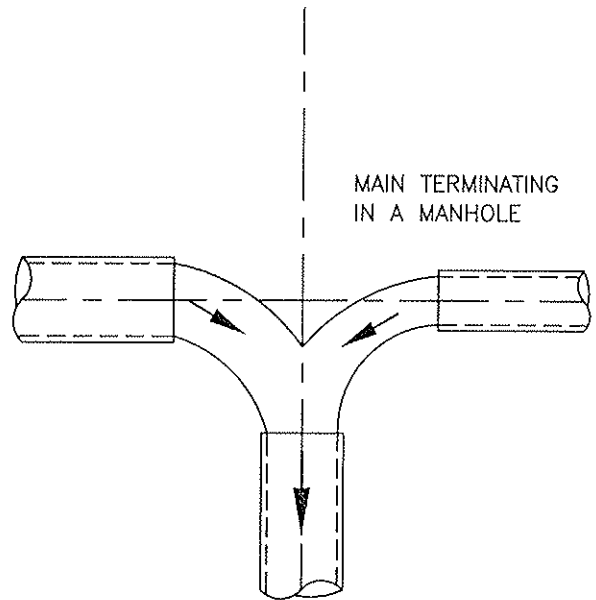
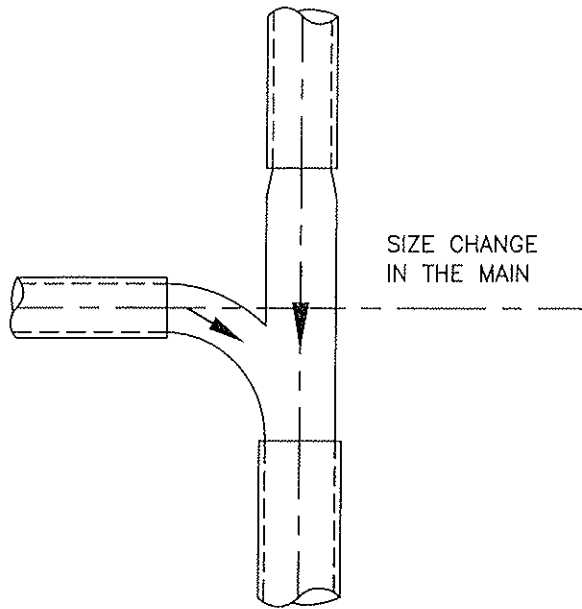
Diana Estron
APPROVED BY PUBLIC WORKS DIRECTOR

SEWER AND WATER SERVICE PROPERTY LOCATIONS WITH PARK STRIPS SHOWN

**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. **SS-1a**

FILE NAME: SS-1a.dwg	Dwn: Lubong
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06
Park Strips	S.S. 12/12/06



NOTES:

1. PIPE (C-900 OR SDR-35) THROUGH MANHOLE REQUIRES AN APPROVED WATER STOP.
2. TERMINATING PIPES TO EXTEND INTO MANHOLE A MAX. 1".
3. THE TOP HALF OF ALL PIPE WITHIN THE MANHOLE IS TO BE CUT AWAY.
4. PREPARE A SMOOTH TROWELED CONCRETE CHANNEL HAVING UNIFORM GRADIENT BETWEEN PIPE INVERTS.
5. EXTEND THE CHANNEL WALLS UP TO SAME HEIGHT WITH TOP OF THE PIPE.
6. HAND TAMP 9" OF SAND OR APPROVED BACKFILL MATERIAL UNDER ALL PIPING COMING IN OR OUT OF THE MANHOLE UP TO THE FIRST JOINT.
7. THE BREADTH OF THE CHANNEL AT EACH JUNCTION MUST ALWAYS BE AS GREAT AS THE CHANNEL RADIUS OF THE CONNECTED PIPE.
8. SLOPE THE BENCHING UP TOWARDS THE MANHOLE WALL AS INDICATED IN THE MANHOLE SECTION. TROWEL THE SURFACE SMOOTH.
9. ON A STANDARD MANHOLE, INCOMING NON-STRAIGHT LINES SHALL HAVE AN INVERT THAT IS AT LEAST 1" HIGHER THAN THE OUT-GOING LINE, UNLESS OTHERWISE APPROVED.
10. MAXIMUM OF 3 INLET PIPES INTO MANHOLE.
11. MAXIMUM OF 2 SANITAR SEWER LATERALS CAN BE CONNECTED TO A MANHOLE.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. White
APPROVED BY CITY ENGINEER

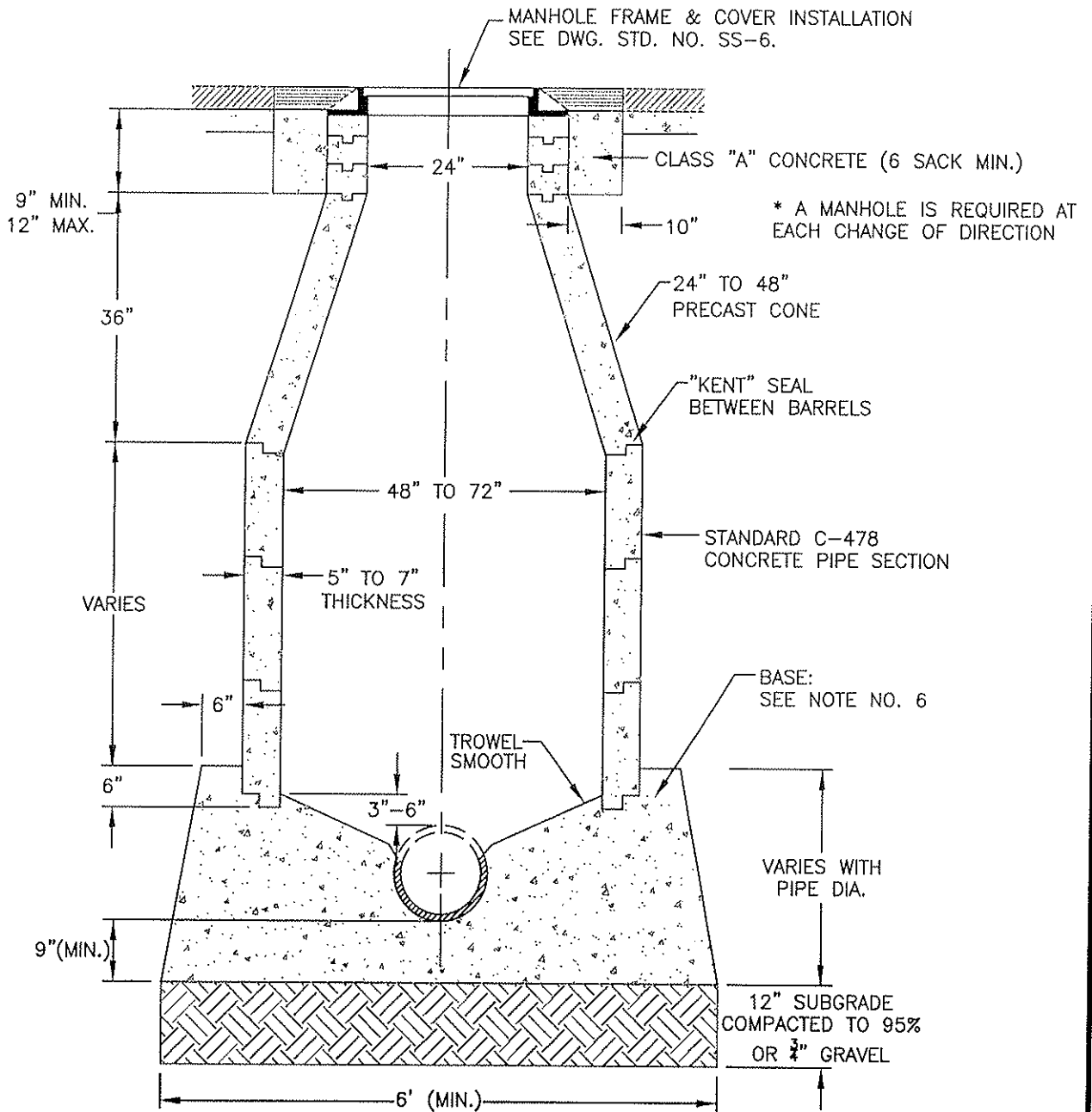
James K. Cotton
APPROVED BY PUBLIC WORKS DIRECTOR

INVERT PLANS OF STANDARD MANHOLES

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **SS-2**

FILE NAME: SS-2.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Border	T.S. 4/14/06



NOTES:

1. ALL CONCRETE SHALL BE CLASS "A" (6 SACK MIN.), TYPE V CEMENT.
2. CONCRETE CONE AND GRADE RINGS SHALL BE PRECAST REINFORCED AS PER ASTM C-478.
3. GROUT AND BAND ALL PIPE JOINTS. "KENT" SEAL NO. 2 OR APPROVED EQUAL.
4. GROUT MIXTURE SHALL BE 1:2 CEMENT TO SAND.
5. WHERE MANHOLES ARE NOT IN STREETS OR TRAVEL WAYS, PLACE TOP 12"-24" ABOVE EXISTING GROUND WITH A 24" CONCRETE COLLAR, UNLESS OTHERWISE SHOWN ON THE PLANS.
6. FOR MAJOR ARTERIALS, BASE SHALL BE CLASS "A" (6 SACK MIX WITH 3/4" AGGREGATE).
7. IF LARGEST PIPE SIZE IS 24" OR LARGER, A 60" MIN. DIAMETER MANHOLE IS REQUIRED.
8. WHEN ADJUSTING A MANHOLE, REFER TO STANDARD DRAWING NO. SS-6.
9. SEWER LATS. SHALL ENTER MANHOLE 1" ABOVE MAIN. HOLE FOR LATS. SHALL BE BORED OR OTHER APPROVED METHOD.
10. NO FLOODING OR JETTING COMPACTION.
11. MAXIMUM DISTANCE BETWEEN MANHOLES SHALL BE 400'±.
12. SEWER LATERALS 6" AND LARGER CONNECTIONS TO A MAIN REQUIRES A SANITARY SEWER MANHOLE.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. Wotr
APPROVED BY CITY ENGINEER

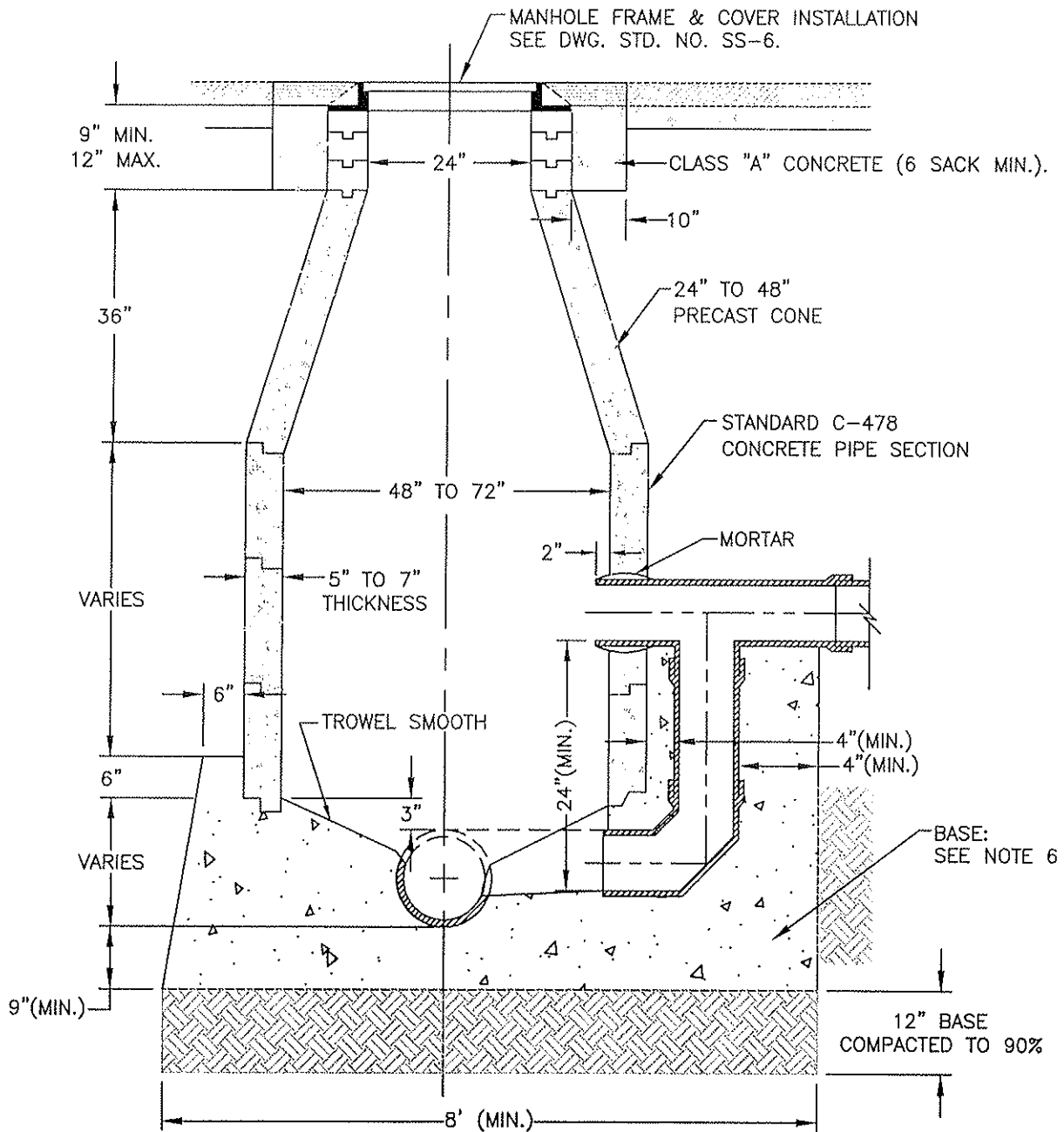
Blaine G. ...
APPROVED BY PUBLIC WORKS DIRECTOR

STANDARD MANHOLE

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **SS-3**

FILE NAME: SS-3.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06



NOTES:

1. ALL CONCRETE SHALL BE CLASS "A" (6 SACK MIN), TYPE V CEMENT.
2. CONCRETE CONE AND GRADE RINGS SHALL BE PRECAST REINFORCED AS PER ASTM C-478.
3. GROUT AND BAND ALL PIPE JOINTS OR KENT SEAL NO.2 OR APPROVED EQUAL.
4. GROUT MIXTURE SHALL BE 1:2 CEMENT TO SAND.
5. WHERE MANHOLES ARE NOT IN STREETS OR TRAVEL WAYS, PLACE TOP 12"-24" ABOVE EXISTING GROUND WITH 24" CONCRETE COLLAR, UNLESS OTHERWISE SHOWN ON THE PLANS.
6. FOR MAJOR ARTERIALS, BASE SHALL BE CLASS "A" (6 SACK MIX WITH 3/8" AGGREGATE).
7. IF LARGEST PIPE SIZE IS 24" OR LARGER, A 60" DIAMETER MANHOLE IS REQUIRED.
8. WHEN ADJUSTING A MANHOLE, REFER TO CITY STANDARD SS-6.
9. NO FLOODING OR JETTING COMPACTION.
10. MAXIMUM DISTANCE BETWEEN MANHOLES SHALL BE 400'±.
11. SEWER LATERALS 6" AND LARGER CONNECTED TO A MAIN REQUIRES A SANITARY SEWER MANHOLE.

CITY COUNCIL APPROVAL: 2-27-07

Ham K. Cota
APPROVED BY CITY ENGINEER

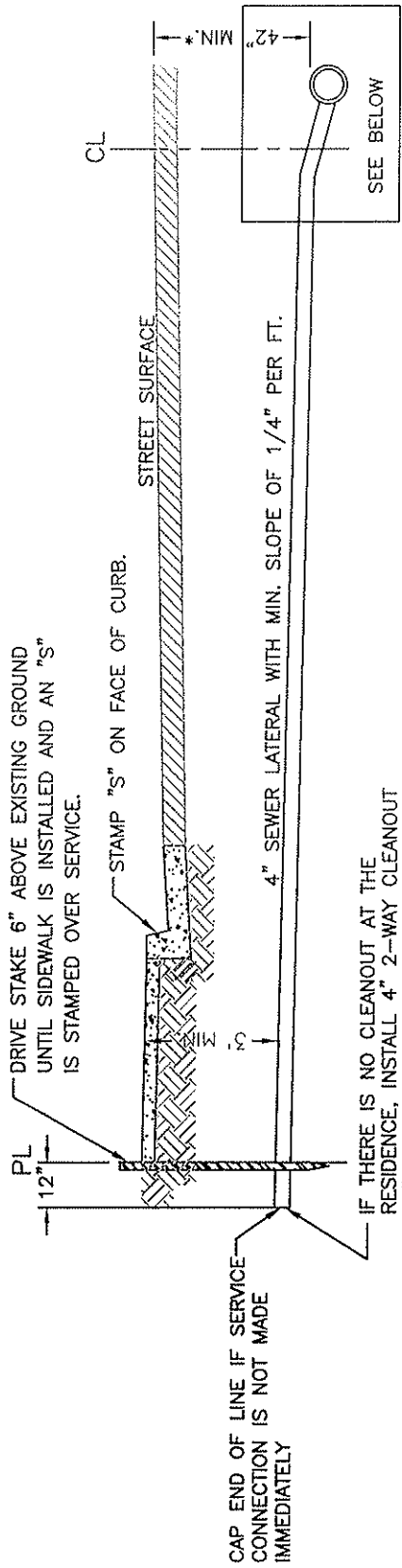
Thomas K. Kutzner
APPROVED BY PUBLIC WORKS DIRECTOR

STANDARD DROP MANHOLE

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **SS-4**

FILE NAME: SS-4.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06



DRIVE STAKE 6" ABOVE EXISTING GROUND UNTIL SIDEWALK IS INSTALLED AND AN "S" IS STAMPED OVER SERVICE.

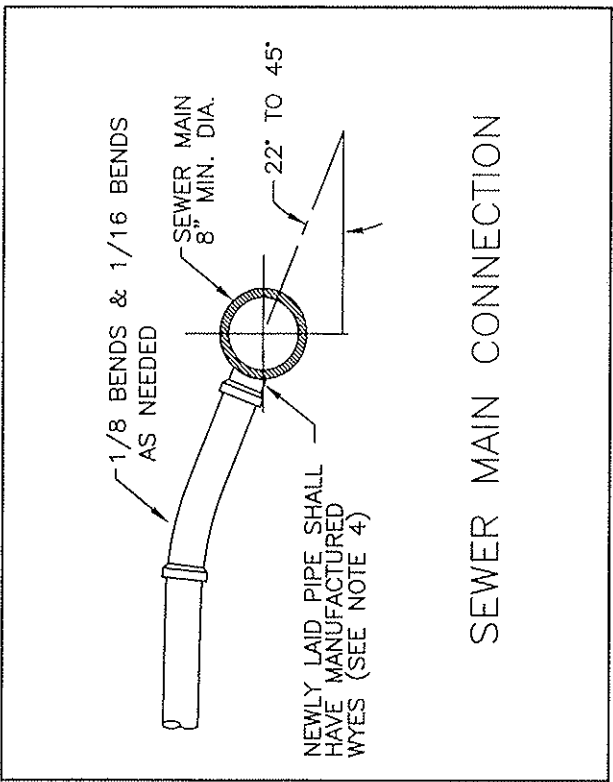
STAMP "S" ON FACE OF CURB.

4" SEWER LATERAL WITH MIN. SLOPE OF 1/4" PER FT.

CAP END OF LINE IF SERVICE CONNECTION IS NOT MADE IMMEDIATELY

IF THERE IS NO CLEANOUT AT THE RESIDENCE, INSTALL 4" 2-WAY CLEANOUT BETWEEN PROP LINE AND RESIDENCE

*SEWER MAINS:
UP THRU 12" PIPE = 42" MINIMUM COVER
OVER 12" PIPE = 48" MINIMUM COVER



SEWER MAIN CONNECTION

NOTES:

1. FOR DEPTHS OF LESS THAN 3' OF COVER, USE DUCTILE IRON PIPE OR C-900 PVC PIPE WITH APPROVAL OF THE CITY OF DINUBA.
2. THE SLOPE OF SEWER LATERALS SHALL BE A MINIMUM OF 2%.
3. SEWER SERVICE LATERALS SHALL BE SHOWN ON THE AS BUILT PLANS.
4. FOR EXISTING MAINS, USE PLASTIC SADDLE W/STAINLESS STEEL 2" CLAMPS.
5. LOCATION OF SEWER LATERAL SHALL BE 5' FROM CENTERLINE OF LOT.
6. REPLACEMENT OF AN EXISTING SANITARY SEWER LATERAL WILL REQUIRE A 2-WAY CLEANOUT LOCATED 24" FROM THE EXTERIOR WALL. CLEANOUT CAP SHALL BE A MINIMUM OF 2" ABOVE GRADE.

CITY COUNCIL APPROVAL: 2-27-07
 APPROVED BY CITY ENGINEER
 APPROVED BY PUBLIC WORKS DIRECTOR

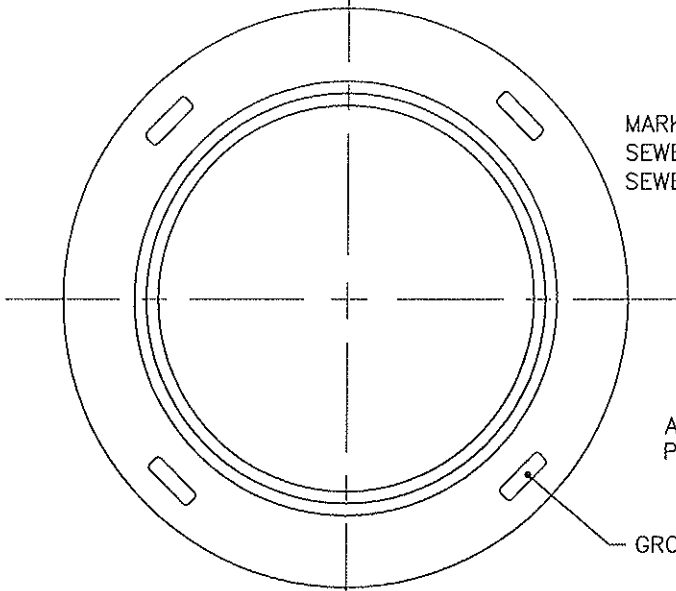
SEWER LATERALS

CITY OF DINUBA
 Public Improvement Standards

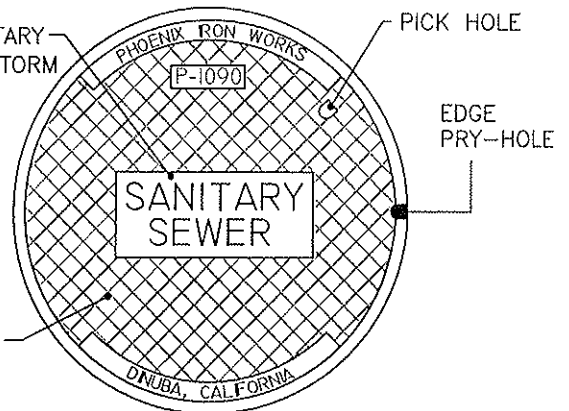
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FILE NAME: SS-4rev1.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06

MANHOLE FRAME & COVER

TOP VIEW



TOP VIEW



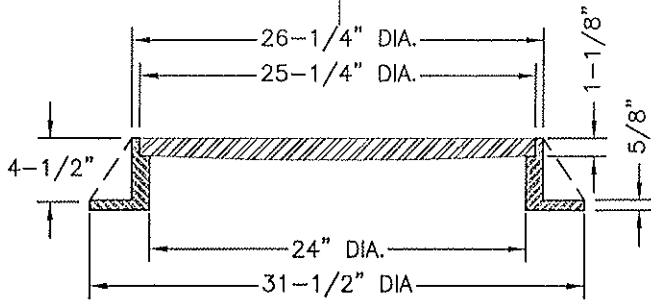
MARKED "SANITARY SEWER" OR "STORM SEWER"

ASTM GRID PATTERN

GROUT HOLES

PICK HOLE

EDGE PRY-HOLE

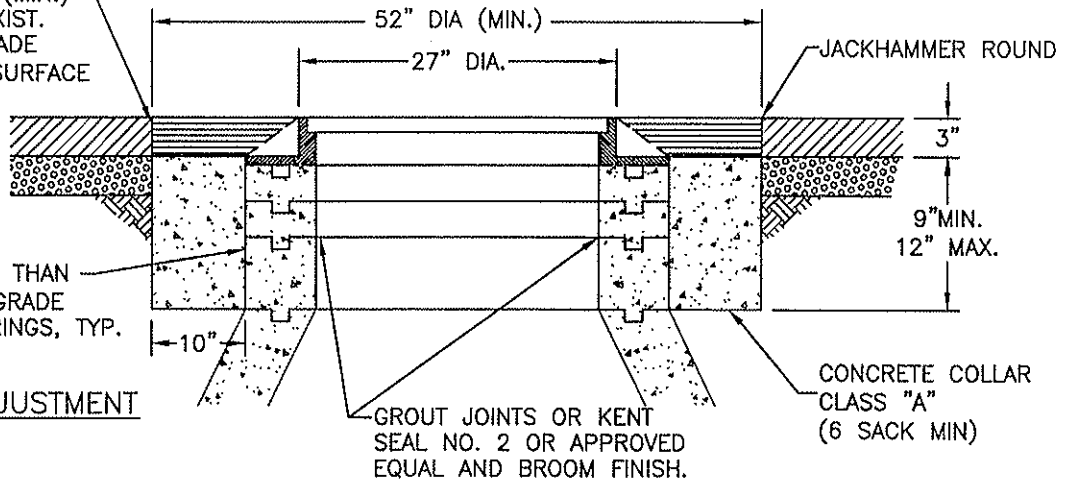


SIDE VIEW SECTION

MANUFACTURER:

PHOENIX IRON WORKS
24" FULL TRAFFIC TYPE NON-ROCKING
MANHOLE FRAME AND COVER
MODEL NO. P-1090 OR APPROVED EQUAL.

REPLACE & COMPACT 2"(MIN.) A.C. AND LEVEL WITH EXIST. SURFACE. FINISH A.C.GRADE 1/8" ABOVE COVER IF SURFACE IS CONCRETE



USE NO MORE THAN THREE(3) 3" GRADE ADJUSTMENT RINGS, TYP.

MANHOLE ADJUSTMENT

CITY COUNCIL APPROVAL: 2-27-07

Dem K. White
APPROVED BY CITY ENGINEER

Donna Cotton
APPROVED BY PUBLIC WORKS DIRECTOR

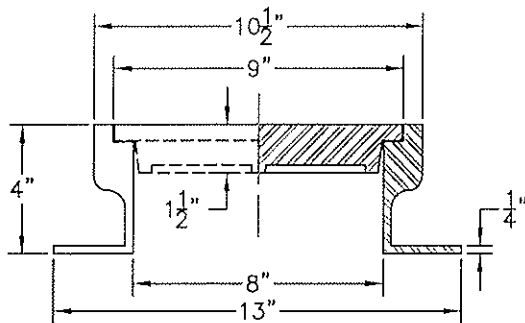
MANHOLE FRAME AND COVER

CITY OF DINUBA
Public Improvement Standards

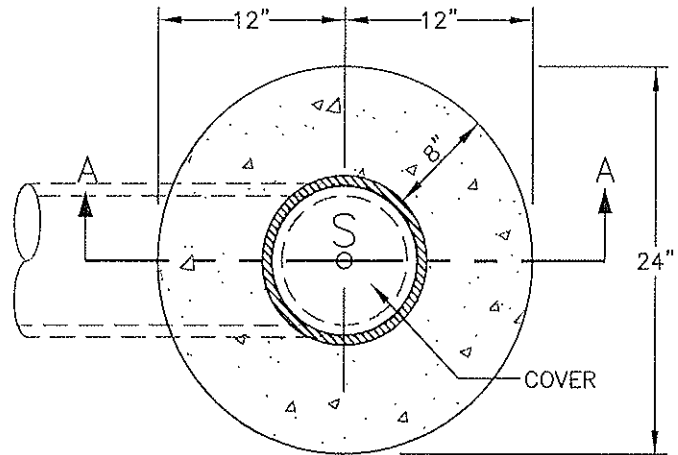
DRAWING NO. **SS-6**

FILE NAME: SS-6.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Callouts	T.S. 4/14/06

SECTION A-A
FRAME & COVER



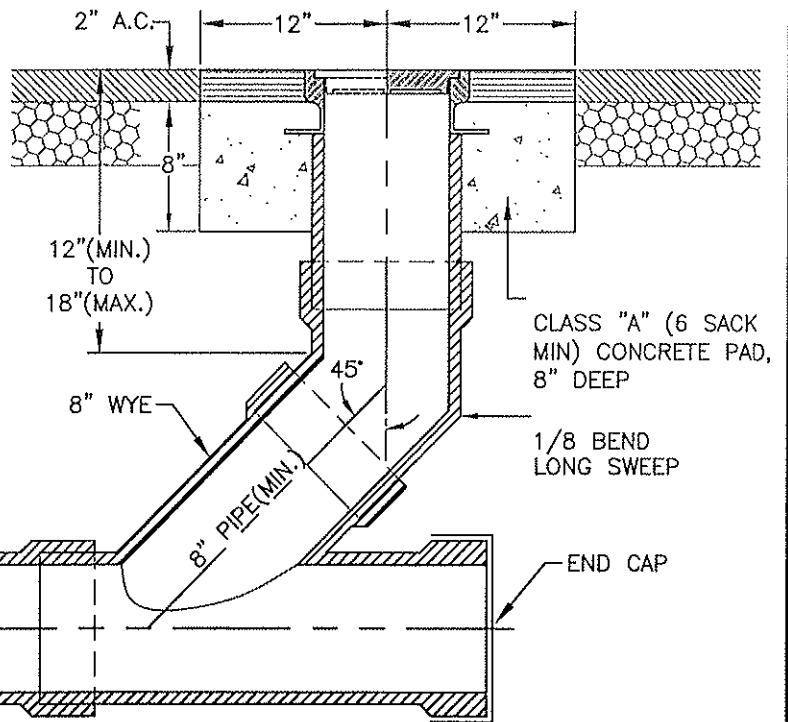
PLAN VIEW



MANUFACTURER:
PHOENIX FRAME AND COVER
MODEL NO. P-2502 OR
APPROVED EQUAL.

PAVEMENT NOTES:

1. JACK-HAMMER AROUND EDGE PRIOR TO REPAVING.
2. REPLACE AND COMPACT 2" TO 3" OF A.C. AND LEVEL WITH EXISTING STREET SURFACE.
3. FINISH NEW A.C. GRADE 1/8" ABOVE COVER.



LAMPHOLE

LAMPHOLE NOTES:

1. PIPE AND FITTINGS, EXCEPT AS OTHERWISE SHOWN HEREON, SHALL BE OF THE SAME MATERIAL AS THE SEWER, UNLESS APPROVED ADAPTORS ARE UTILIZED.
2. PIPES AND FITTINGS SHALL BE PROPERLY ALLIGNED AND MAINTAINED WHILE CONCRETE IS BEING PLACED AND ALLOWED TO HARDEN, JOINTS FOR PIPES AND FITTINGS SHALL BE MADE PRIOR TO PLACING CONCRETE. CONCRETE FOR BEDDING, ENCASEMENT, AND WALL SUPPORT FOR PIPES AND FITTINGS SHALL BE PLACED UNIFORMLY AROUND THE PIPE AND FITTINGS, AND SHALL BE CLASS "A".
3. THE ACCESS FRAME, COVER AND CAP SHALL BE CAST IRON. 4. CLEANOUT INSTALLED BEHIND AN END STREET BARRICADE SHALL HAVE A 2'X2'X8" CONCRETE PAD PLACED AROUND IT.

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Uto
APPROVED BY CITY ENGINEER

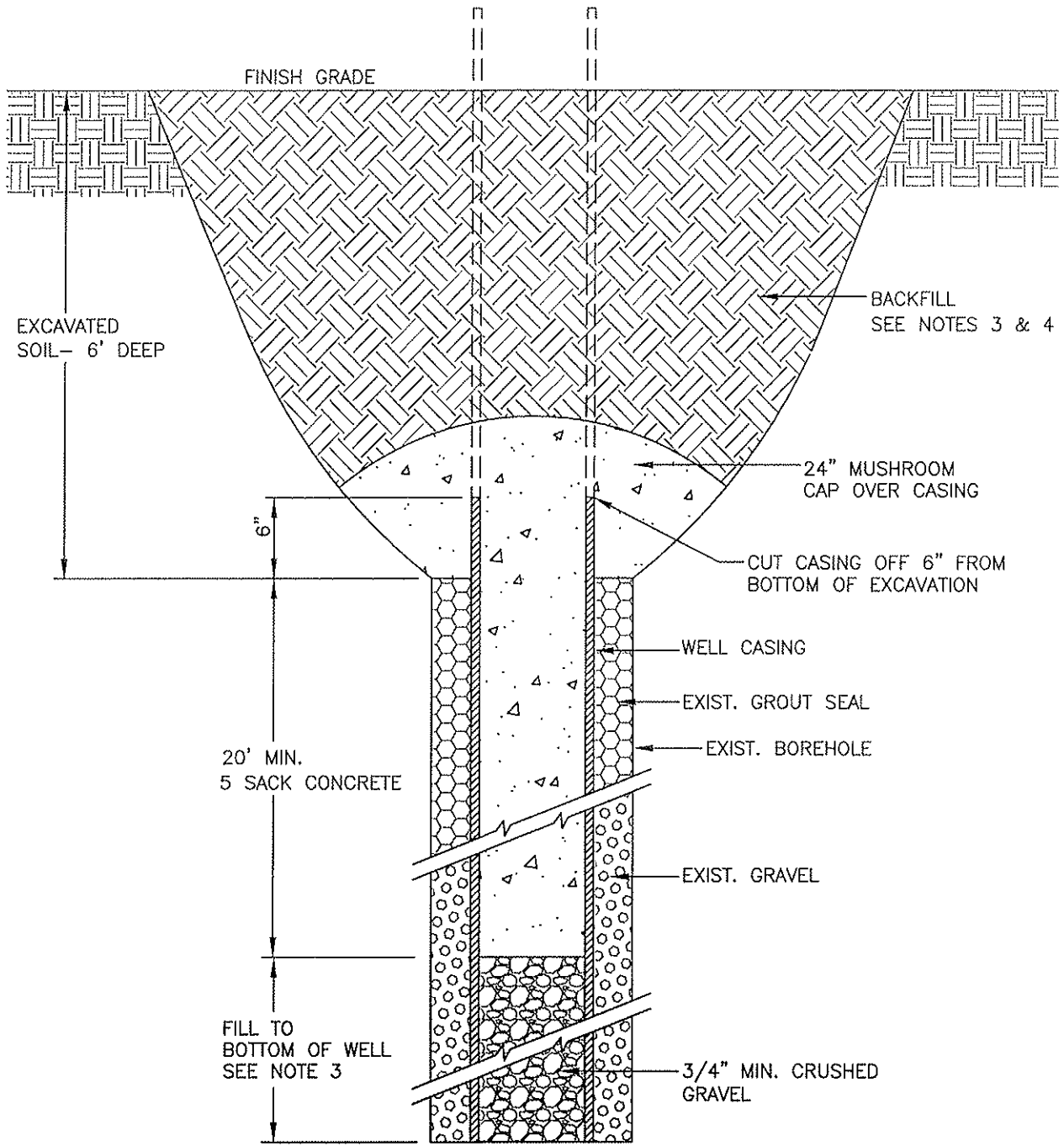
James Cotton
APPROVED BY PUBLIC WORKS DIRECTOR

SEWER LAMPHOLE

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **SS-7**

FILE NAME: SS-7.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06

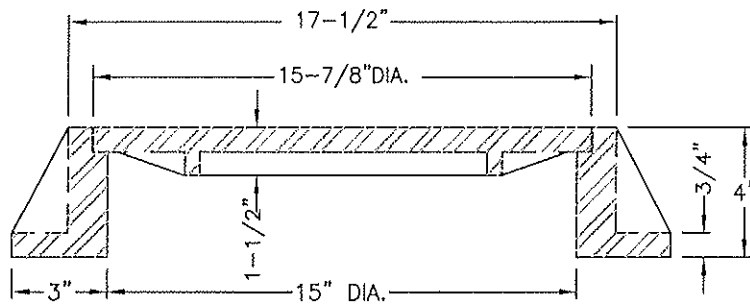


- NOTES:
1. IMPERVIOUS MATERIALS INCLUDE NEAT CEMENT, SAND-CEMENT GROUT, CONCRETE AND HIGH-SOLIDS BENTONITE.
 2. FILL INCLUDES CLASS "B" CONCRETE (5 SACK MIN.) OR SLURRY ONLY.
 3. ORGANIC MATERIALS SHALL NOT BE USED.
 4. A PERMIT SHALL BE OBTAINED FROM CITY OR COUNTY, AND A WELL LOG SHALL BE PROVIDED.
 5. A CITY INSPECTOR SHALL BE ON SITE DURING WELL ABANDONMENT.
 6. ALL WORK MUST COMPLY WITH TULARE COUNTY ENVIRONMENTAL HEALTH REQUIREMENTS.

CITY COUNCIL APPROVAL: 2-27-07
Ren K. Voto
 APPROVED BY CITY ENGINEER
Barbara K. Voto
 APPROVED BY PUBLIC WORKS DIRECTOR

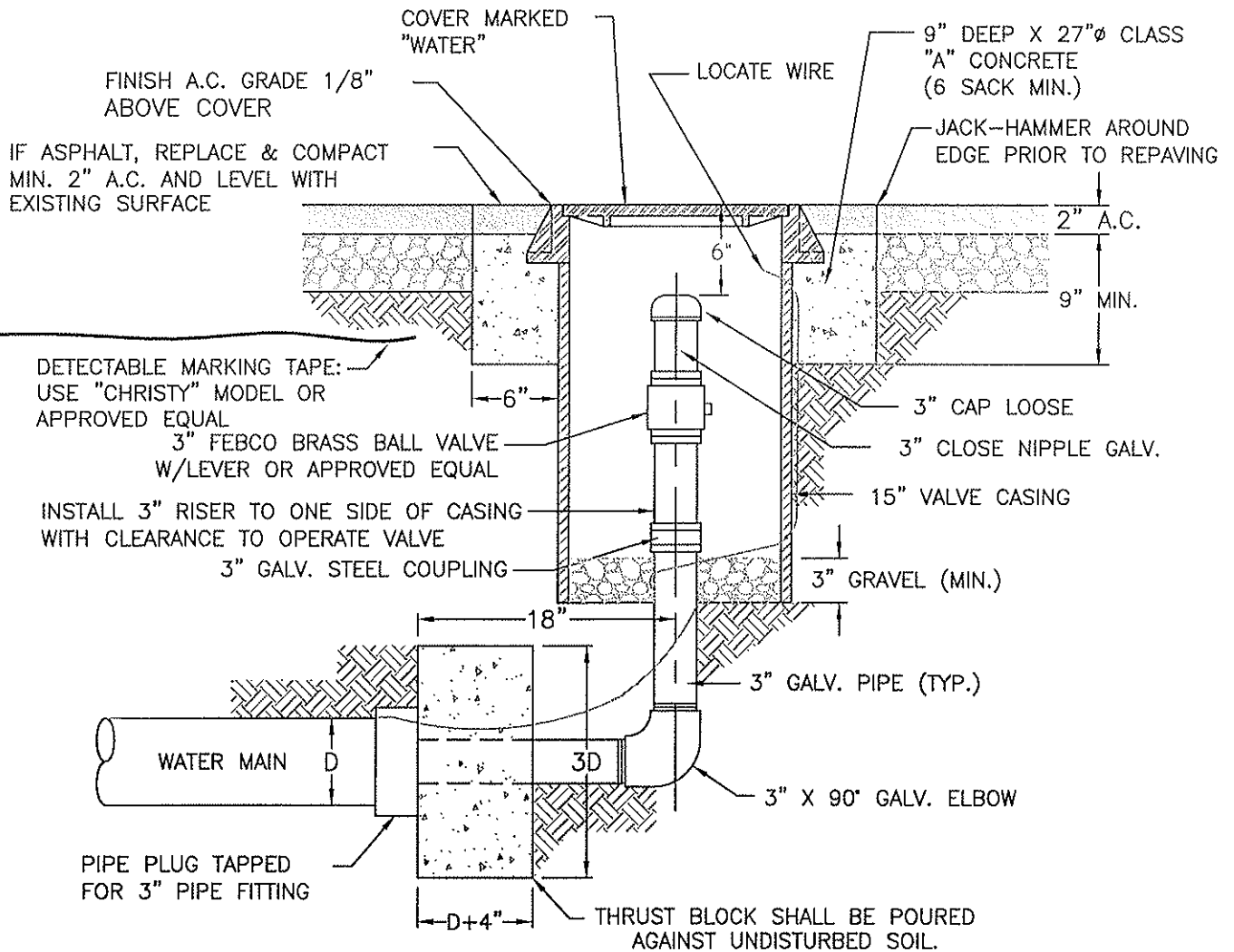
**ABANDONMENT OF
 EXISTING WELL**
CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. W-1	
FILE NAME: W-1rev1.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06



MANUFACTURER: "PHOENIX" FRAME AND COVER MODEL NO. P-7001 OR APPROVED EQUAL

FRAME & COVER—SIDE VIEW SECTION



CITY COUNCIL APPROVAL: 2-27-07

Alan K. Votto
APPROVED BY CITY ENGINEER

Diana K. ...
APPROVED BY PUBLIC WORKS DIRECTOR

WATER BLOW-OFF

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

W-2

FILE NAME: W-2rev1.dwg Dwn: Vasquez

REVISIONS BY DATE

Gen Notes T.S. 4/14/06

TYPE OF fitting	REQUIRED BEARING AREA (TOTAL SQUARE FEET)					
	90° BEND	45° BEND	11 1/4" OR 22 1/2" BEND	TEE OR DEAD END	TEE W/PLUG	CROSS W/PLUG
TYPICAL INSTALLATION						
SIZE OF PIPE	2	1	1	2	2	2
4"	4	2	1	3	4	4
6"	7	4	2	5	7	7
8"	12	6	3	8	12	12
10"	16	10	5	12	16	16
12"						

NOTES:

- THRUST BLOCKS SHALL BE USED FOR PIPES WITH 4" DIAMETER OR LARGER.
- THRUST BLOCKS TO BE CONSTRUCTED OF CLASS "B" CONCRETE (5 SACK MIN.).
- MINIMUM THICKNESS OF THRUST BLOCKS TO BE 6 INCHES.
- THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL. AREAS GIVEN ARE FOR CLASS 150 PIPE AT PRESSURE OF 150 P.S.I. IN SOIL WITH 2,000 P.S.F. CAPACITY. INSTALLATION USING DIFFERENT PIPE, TEST PRESSURE, AND/OR SOIL TYPES SHOULD ADJUST AREAS ACCORDINGLY, SUBJECT TO APPROVAL OF CITY ENGINEER.
- THRUST BLOCKS SHALL BE POURED A MIN. OF 5 DAYS BEFORE PRESSURIZING THE SYSTEM.
- MEG-A-LUG JOINTS MAY BE USED IN LIEU OF THRUST BLOCKS UPON APPROVAL BY THE DEVELOPMENT SERVICES DEPARTMENT.

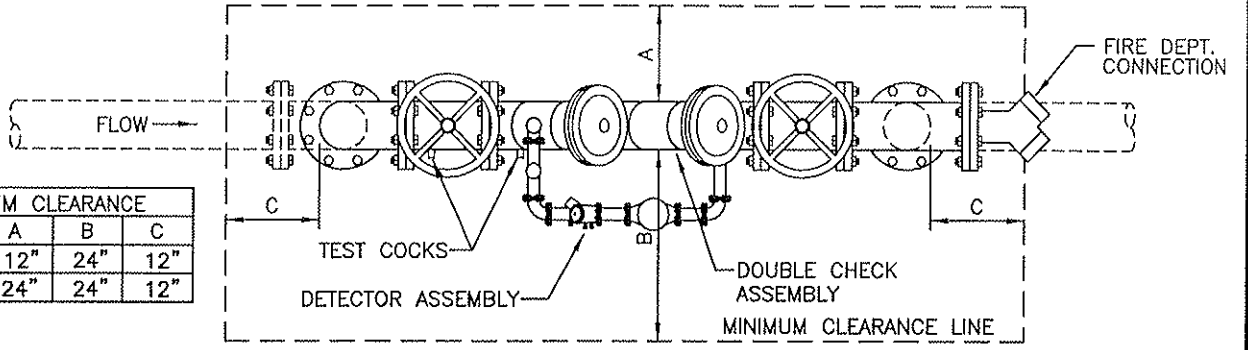
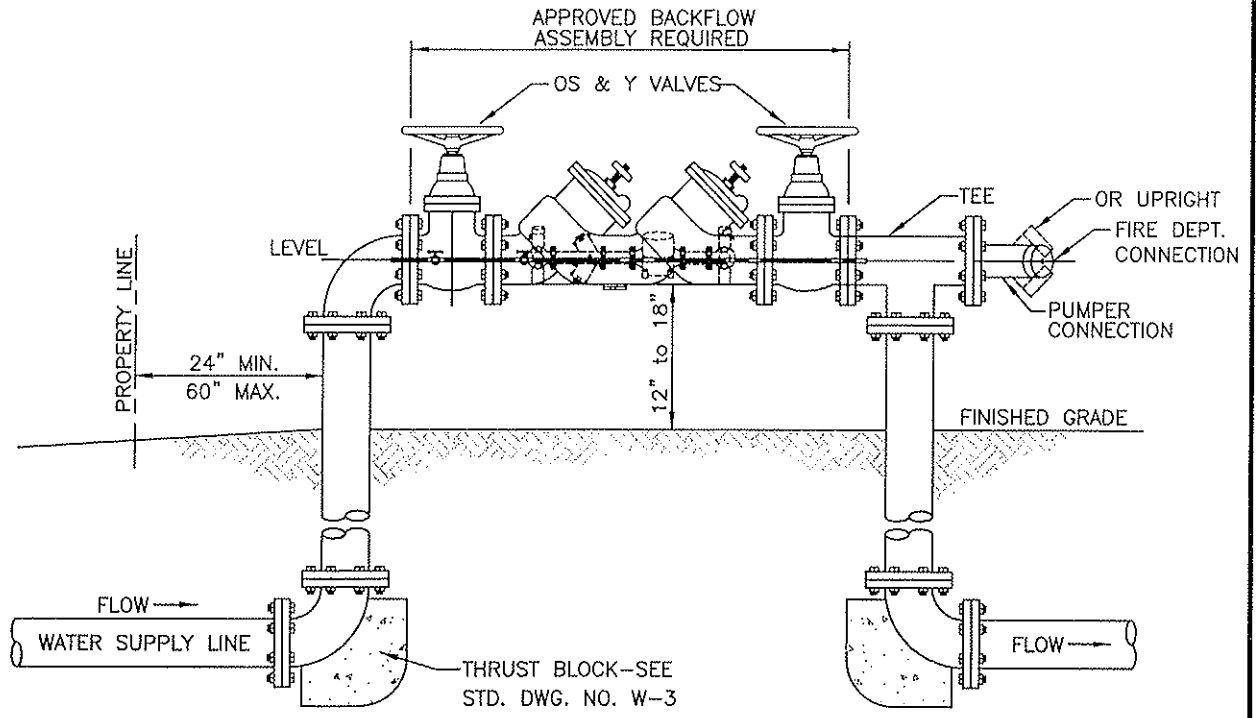
CITY COUNCIL APPROVAL: 2-27-07
Alan K. Wotho
 APPROVED BY CITY ENGINEER
Diana Gutierrez
 APPROVED BY PUBLIC WORKS DIRECTOR

THRUST BLOCK DETAILS

CITY OF DINUBA

Public Improvement Standards

DRAWING NO. W-3	
FILE NAME: W-3rev1.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06



MINIMUM CLEARANCE			
SIZE DC	A	B	C
1" TO 3"	12"	24"	12"
4" & UP	24"	24"	12"

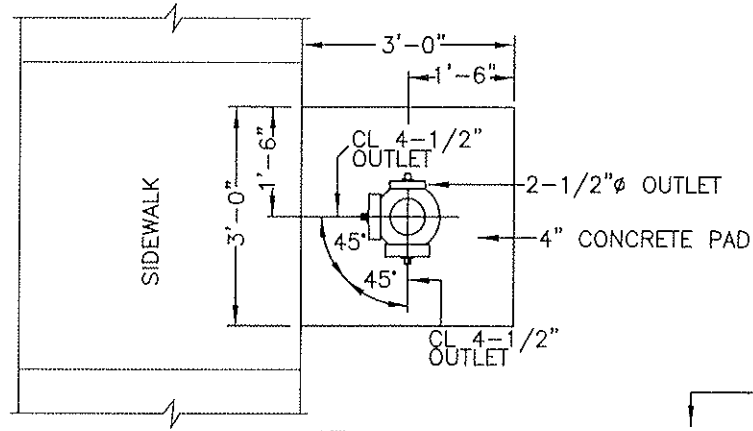
GENERAL NOTES:

1. RESILIENT SEATED SHUT OFF VALVES AND TEST COCKS ARE REQUIRED
2. NO TAPS, TEES OR CONNECTIONS OF ANY KIND ARE PERMITTED BETWEEN THE WATER METER AND THE BACKFLOW ASSEMBLY.
3. PROTECTION FROM FREEZE DAMAGE IS REQUIRED IN EXPOSED AREAS.
4. ASSEMBLY MUST BE ACCESSIBLE FOR TESTING AND MAINTENANCE PER CITY OF DINUBA PUBLIC WORKS DEPARTMENT.
5. ASSEMBLY TO BE THE SAME SIZE AS THE WATER SUPPLY LINE PER UNIFORM PLUMBING CODE.
6. PRESSURE LOSS THROUGH ASSEMBLY MUST BE INCLUDED IN PRESSURE LOSS CALCULATIONS FOR SIZING OF THE WATER SYSTEM PER UNIFORM FIRE CODE.
7. MINIMUM CLEARANCES AROUND ASSEMBLY MUST BE MAINTAINED. REFER TO MINIMUM CLEARANCE CHART ON THIS PAGE.
8. ANY DEVIATION FROM THESE REQUIREMENTS SHALL BE APPROVED BY THE WATER SYSTEM MANAGER OR CROSS CONNECTION CONTROL SPECIALIST PRIOR TO INSTALLATION.
9. THE BACKFLOW PREVENTER DEVICES AND INSTALLATIONS SHALL BE APPROVED BY THE CITY OF DINUBA PUBLIC WORKS DEPARTMENT.
10. BACKFLOW ASSEMBLY SHALL BE INSPECTED AND TESTED BY THE PUBLIC WORKS DEPARTMENT OR PROVIDE A CERTIFICATE SHOWING THE ASSEMBLY WAS TESTED AND PASSED.
11. IF VALVES ARE RESILIENT SEAT TYPE A POST INDICATOR IS REQUIRED.
12. A CITY STANDARD FIRE HYDRANT MUST BE WITHIN 25' OF FIRE DEPARTMENT CONNECTION OR INSTALLED WITHIN 25' OF THE FIRE DEPARTMENT CONNECTION.
13. LOCATION OF THE ASSEMBLY MUST BE APPROVED BY THE ASSISTANT FIRE CHIEF/FIRE MARSHALL.

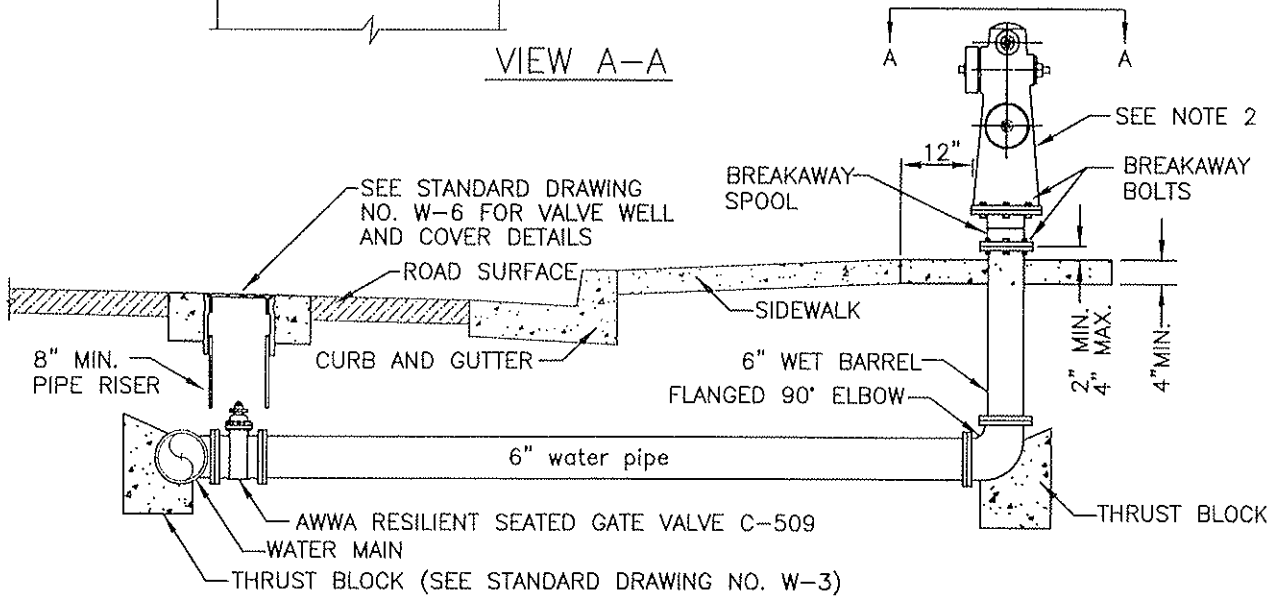
CITY COUNCIL APPROVAL: 2-27-07
Don K. Woto
 APPROVED BY CITY ENGINEER
[Signature]
 APPROVED BY PUBLIC WORKS DIRECTOR

**BACKFLOW DEVICE AND
 FIRE DEPARTMENT CONNECTION**
CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. W-4	
FILE NAME: W-4.dwg	Dwn: T. Simpson
REVISIONS	BY DATE
DETECTOR SYSTEM	KRG 9/1/06



VIEW A-A



CROSS SECTION

NOTES:

1. TRADE NAMES ARE SPECIFIED AS A STANDARD OF ACCEPTABLE QUALITY AND FEATURES. EQUIPMENT OF EQUAL QUALITY WITH EQUAL FEATURES MAY BE SUBSTITUTED ONLY WITH WRITTEN APPROVA FROM THE DINUBA FIRE DEPARTMENT.
2. HYDRANTS SHALL BE "CLOW" MODEL 865, WET BARREL, OR APPROVED EQUAL.
3. HYDRANTS SHALL HAVE (2)-4 1/2" DIAMETER OUTLETS AND (1)-2 1/2" DIAMETER OUTLET.
4. NOZZLE CENTERLINES SHALL BE LOCATED NOT LESS THAN 18" ABOVE FINISH GRADE.
5. GATE VALVES SHALL BE "RESILIENT SEAT" TYPE FLANGED TO MAIN LINE.
6. HYDRANT SHALL BE EQUIPPED WITH A "BREAKAWAY" TYPE SPOOL AND "BREAKAWAY" BOLTS BETWEEN HYDRANT AND RISER.
7. A BLUE TWO-WAY REFLECTIVE MARKER SHALL BE INSTALLED ON THE CENTERLINE OF THE STREET ADJACENT TO THE HYDRANT.
8. HYDRANTS SHALL HAVE A 5" HYDRA-STORZ ADAPTER ATTACHED TO THE BOTTOM OF THE 4 1/2" DIAMETER OUTLET.
9. HYDRANT SHALL BE PAINTED OSHA SAFETY YELLOW.
10. A 3' DIAMETER OR 3' SQUARE CONCRETE PAD SHALL BE PROVIDED AROUND HYDRANT.
11. ALL CAPS AND THREADS SHALL BE LUBRICATED WITH A WATERPROOF GREASE FOLLOWING INSTALLATION. METAL CAPS SHALL BE INSTALLED ON OUTLETS.
12. MAXIMUM DISTANCE BETWEEN FIRE HYDRANTS IS 400'(RESIDENTIAL) AND 300'(COMMERCIAL).
13. PAINT CURB RED FROM CENTERLINE OF FIRE HYDRANT 13' EACH WAY.

CITY COUNCIL APPROVAL: 2-27-07

Adam K. Wirth
APPROVED BY CITY ENGINEER

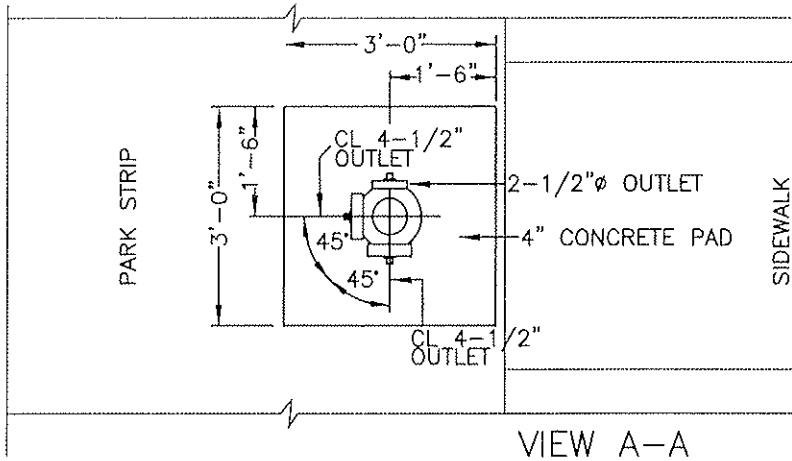
Thomas R. ...
APPROVED BY PUBLIC WORKS DIRECTOR

STANDARD
FIRE HYDRANT

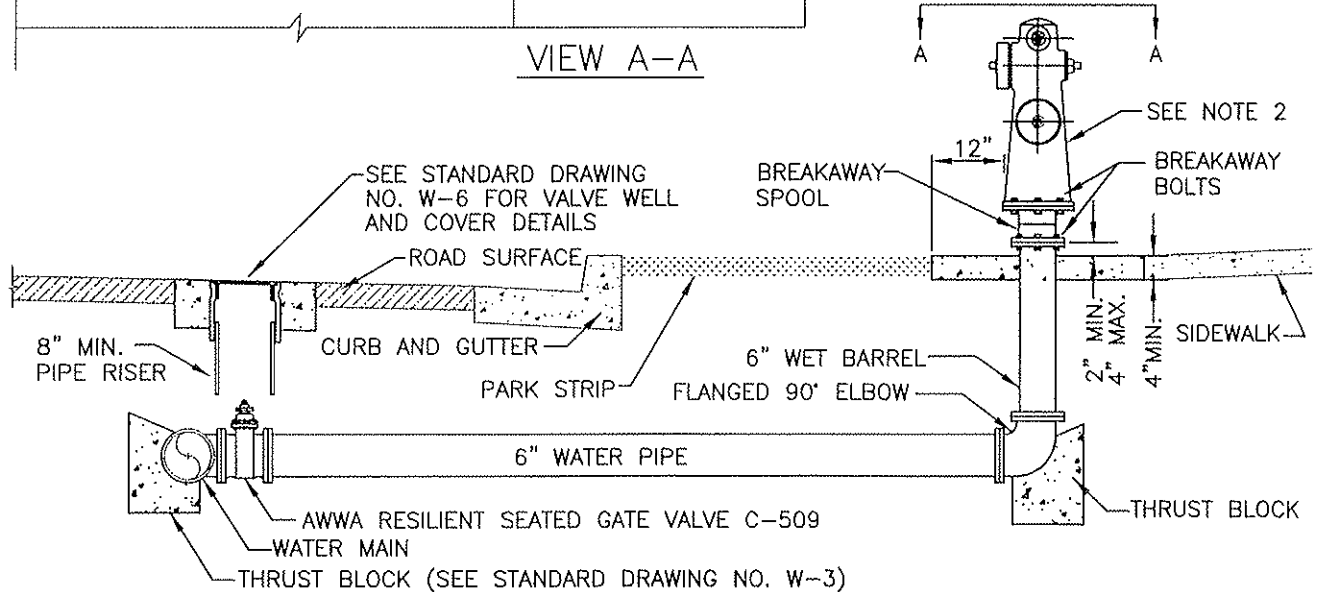
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **W-5**

FILE NAME: W-5rev2.dwg	Dwn: DJenkins
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06



VIEW A-A



CROSS SECTION

NOTES:

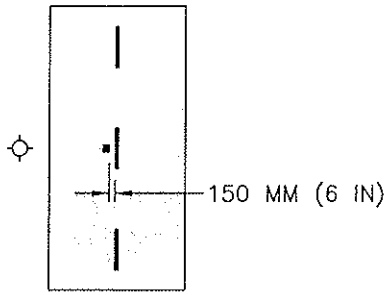
1. TRADE NAMES ARE SPECIFIED AS A STANDARD OF ACCEPTABLE QUALITY AND FEATURES. EQUIPMENT OF EQUAL QUALITY WITH EQUAL FEATURES MAY BE SUBSTITUTED ONLY WITH WRITTEN APPROVA FROM THE DINUBA FIRE DEPARTMENT.
2. HYDRANTS SHALL BE "CLOW" MODEL 865, WET BARREL, OR APPROVED EQUAL.
3. HYDRANTS SHALL HAVE (2)-4 1/2" DIAMETER OUTLETS AND (1)-2 1/2" DIAMETER OUTLET.
4. NOZZLE CENTERLINES SHALL BE LOCATED NOT LESS THAN 18" ABOVE FINISH GRADE.
5. GATE VALVES SHALL BE "RESILIENT SEAT" TYPE FLANGED TO MAIN LINE.
6. HYDRANT SHALL BE EQUIPPED WITH A "BREAKAWAY" TYPE SPOOL AND "BREAKAWAY" BOLTS BETWEEN HYDRANT AND RISER.
7. A BLUE TWO-WAY REFLECTIVE MARKER SHALL BE INSTALLED ON THE CENTERLINE OF THE STREET ADJACENT TO THE HYDRANT.
8. HYDRANTS SHALL HAVE A 5" HYDRA-STORZ ADAPTER ATTACHED TO THE BOTTOM OF THE 4 1/2" DIAMETER OUTLET.
9. HYDRANT SHALL BE PAINTED OSHA SAFETY YELLOW.
10. A 3' DIAMETER OR 3' SQUARE CONCRETE PAD SHALL BE PROVIDED AROUND HYDRANT.
11. ALL CAPS AND THREADS SHALL BE LUBRICATED WITH A WATERPROOF GREASE FOLLOWING INSTALLATION. METAL CAPS SHALL BE INSTALLED ON OUTLETS.
12. MAXIMUM DISTANCE BETWEEN FIRE HYDRANTS IS 400'(RESIDENTIAL) AND 300'(COMMERCIAL).
13. PAINT CURB RED FROM CENTERLINE OF FIRE HYDRANT 13' EACH WAY.
14. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07
Don K. Clota
 APPROVED BY CITY ENGINEER
Blumen
 APPROVED BY PUBLIC WORKS DIRECTOR

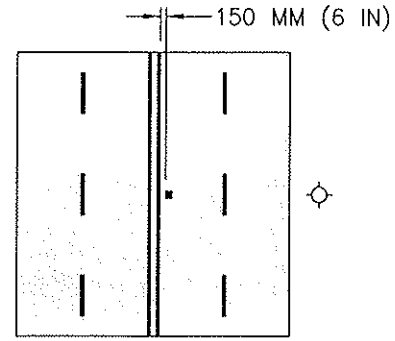
**STANDARD FIRE HYDRANT
 WITH PARK STRIPS SHOWN**

**CITY OF DINUBA
 Public Improvement Standards**

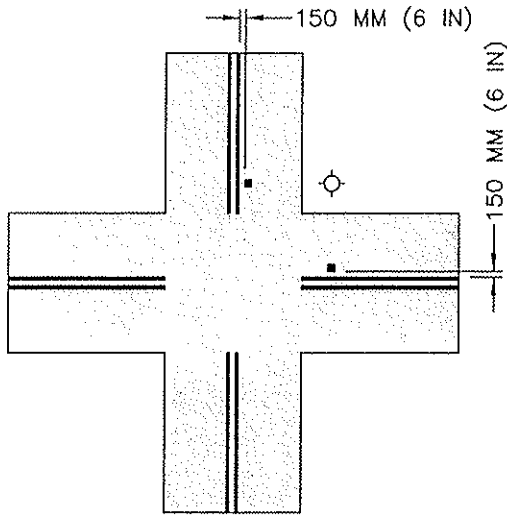
DRAWING NO. W-5a	
FILE NAME: W-5a.dwg	Dwn: DJenkins
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06
Park Strips	S.S. 12/12/06



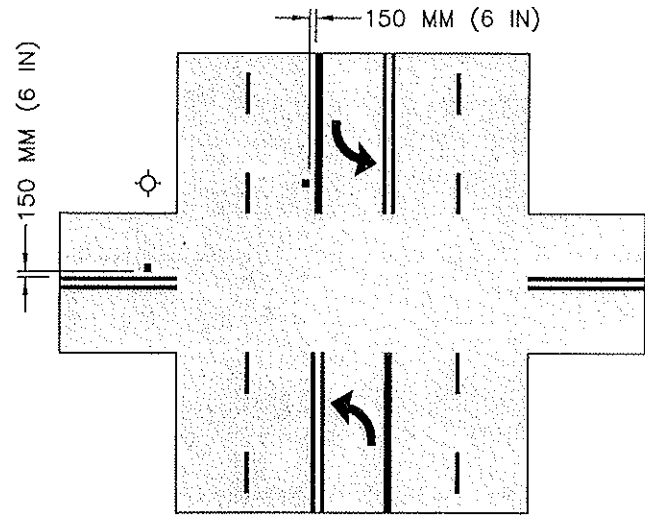
TWO LANE STREET



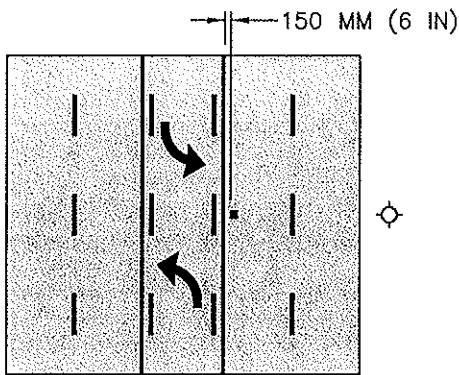
MULTI LANE STREET



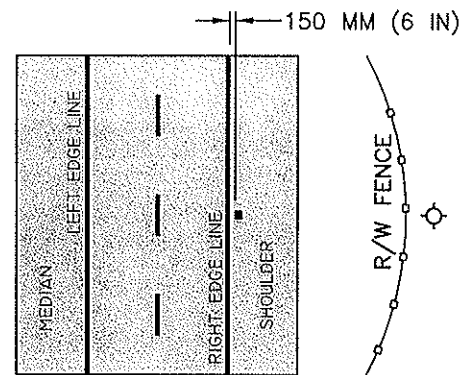
TWO LANE STREET
AT INTERSECTION



FOUR LANE STREET WITH
TURN LANE AT INTERSECTION



MULTI-LANE
WITH TURN LANE



FREEWAYS AND
EXPRESSWAYS

- LEGEND
- ◊ FIRE HYDRANT
 - BLUE RETROREFLECTIVE RAISED PAVEMENT MARKER

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Woto
APPROVED BY CITY ENGINEER

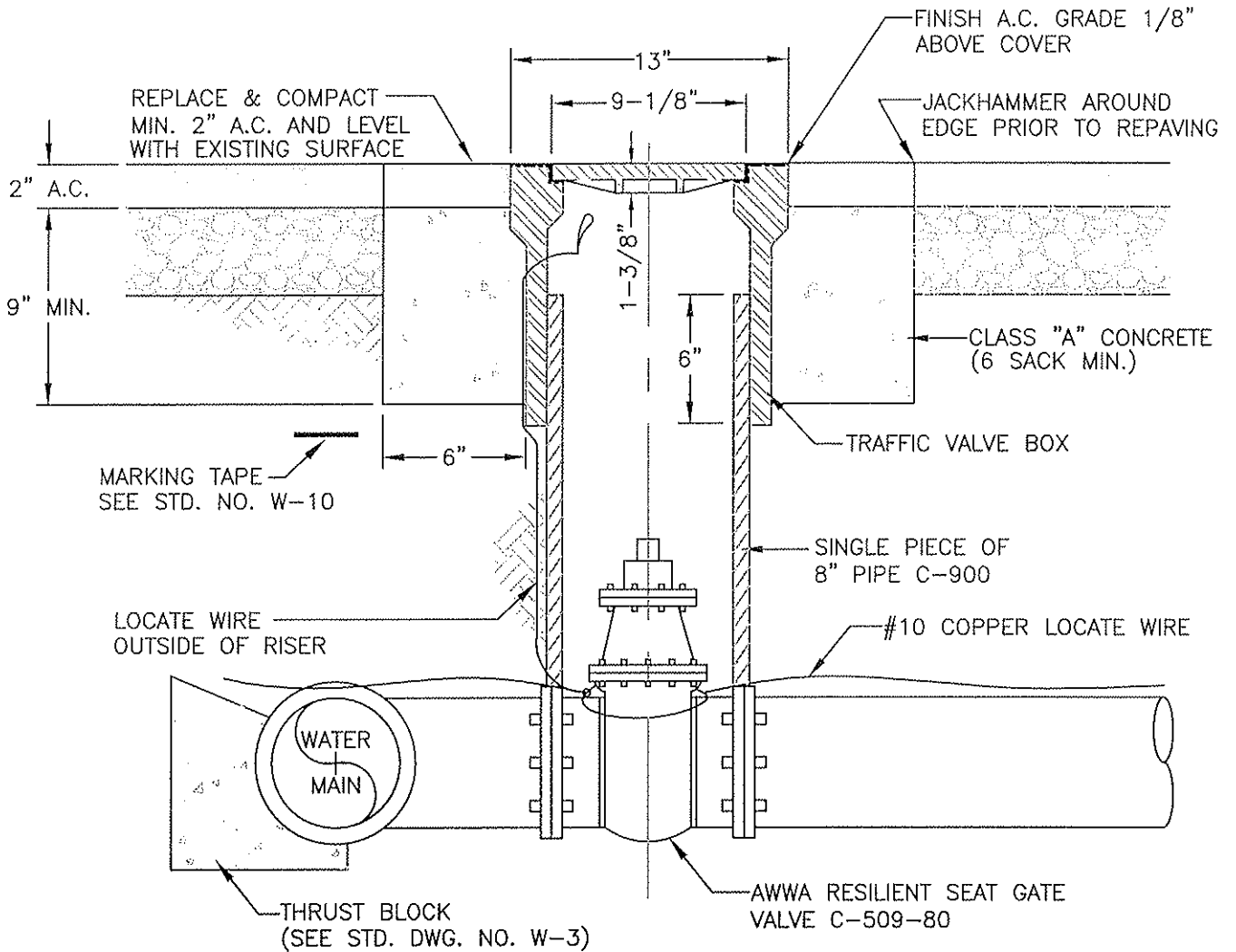
Diana G. ...
APPROVED BY PUBLIC WORKS DIRECTOR

TYPICAL FIRE HYDRANT LOCATION PAVEMENT MARKERS

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **W-5b**

FILE NAME: W-5b.dwg	Dwn: T. Simpson
REVISIONS	BY DATE



NOTES:

1. CAST IRON COVER WITH STREET TREAD INSCRIBED "WATER".
2. ON FIRE SPRINKLER RUNS COVER SHALL BE INSCRIBED "FIRE".
3. INSTALL "CHRISTY" G5 TRAFFIC VALVE BOX 13" DIA. X 12".
4. MAXIMUM DISTANCE BETWEEN IN-LINE GATE VALVES IS 500 FT., OR INTERSECTION PER PLANS.

APPROVED GATE VALVES:

- KENNEDY
- M & H DRESSER
- MUELLER
- CLOW

ALL VALVES SHALL BE A.W.W.A. APPROVED RESILIENT WEDGE FLANGE X FLANGE OR MECHANICAL JOINT.

CITY COUNCIL APPROVAL: 2-27-07

Don K. W...
APPROVED BY CITY ENGINEER

Dana...
APPROVED BY PUBLIC WORKS DIRECTOR

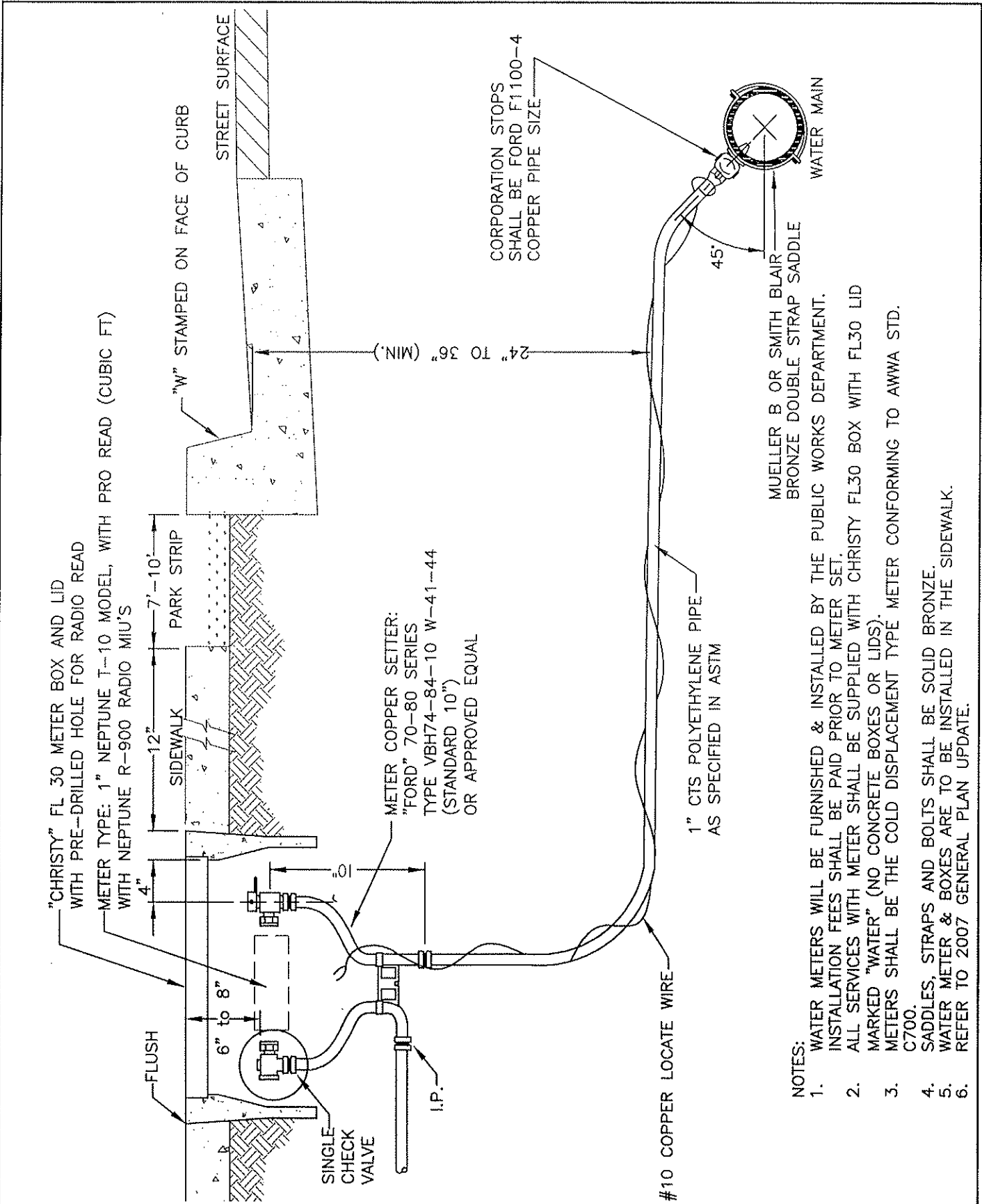
VALVE WELL AND COVER

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **W-6**

FILE NAME: W-6rev1.dwg Dwn: Vasquez

REVISIONS	BY	DATE
Gen Notes	T.S.	4/14/06



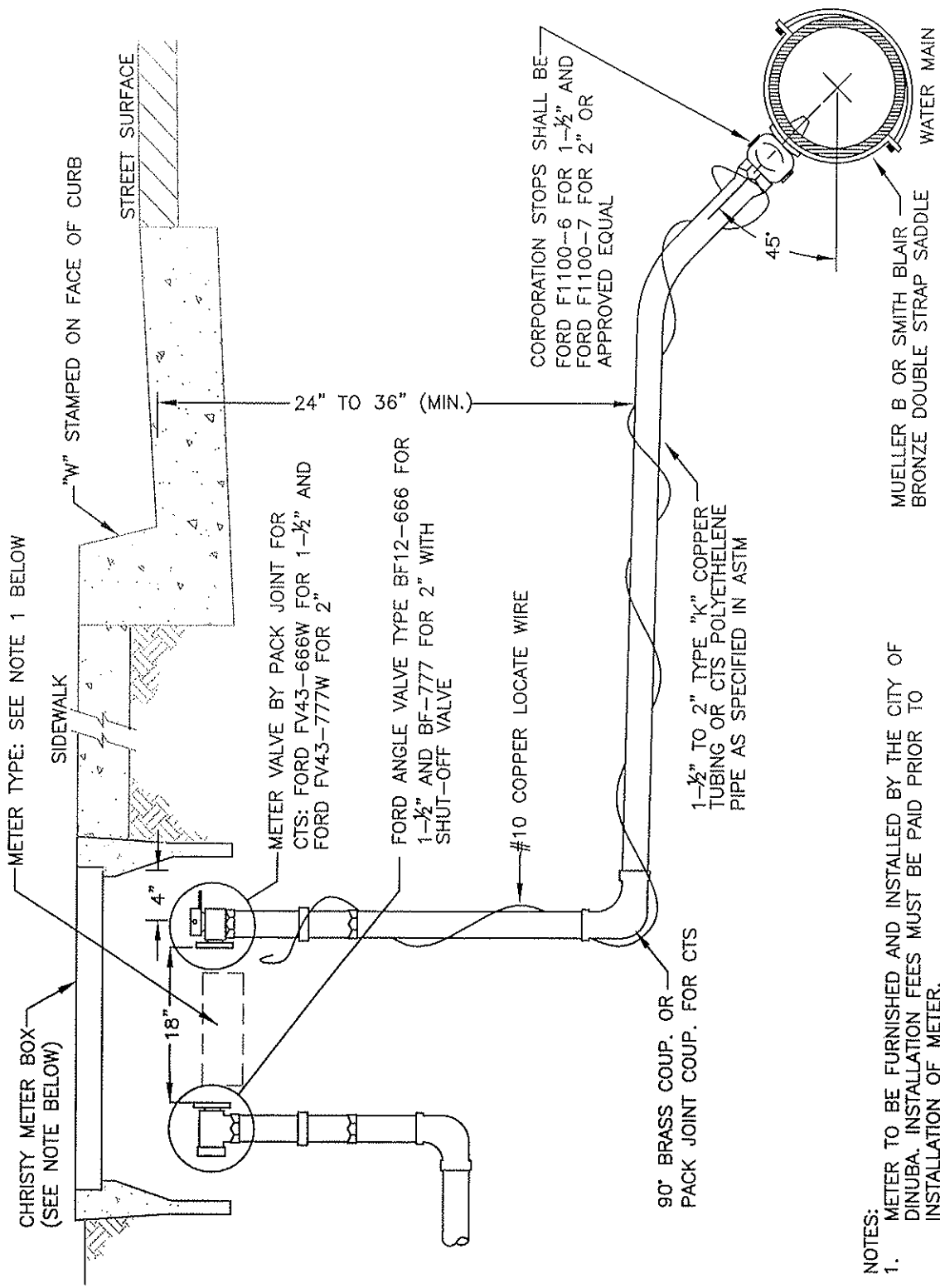
- NOTES:
1. WATER METERS WILL BE FURNISHED & INSTALLED BY THE PUBLIC WORKS DEPARTMENT. INSTALLATION FEES SHALL BE PAID PRIOR TO METER SET.
 2. ALL SERVICES WITH METER SHALL BE SUPPLIED WITH CHRISTY FL30 BOX WITH FL30 LID MARKED "WATER" (NO CONCRETE BOXES OR LIDS).
 3. METERS SHALL BE THE COLD DISPLACEMENT TYPE METER CONFORMING TO AWWA STD. C700.
 4. SADDLES, STRAPS AND BOLTS SHALL BE SOLID BRONZE.
 5. WATER METER & BOXES ARE TO BE INSTALLED IN THE SIDEWALK.
 6. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07
Don K. Uto
 APPROVED BY CITY ENGINEER
Donna Williams
 APPROVED BY PUBLIC WORKS DIRECTOR

**1" RESIDENTIAL WATER SERVICE
 WITH PARK STRIPS SHOWN**

**CITY OF DINUBA
 Public Improvement Standards**

DRAWING NO. W-7a	
FILE NAME: W-7a.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06
Park Strips	S.S. 12/12/06



- NOTES:
- METER TO BE FURNISHED AND INSTALLED BY THE CITY OF DINUBA. INSTALLATION FEES MUST BE PAID PRIOR TO INSTALLATION OF METER.
 - SADDLES, STRAPS AND BOLTS SHALL BE SOLID BRONZE.
- METER BOX SPECIFICATIONS:
FOR 1-1/2" OR 2" SERVICE = "CHRISTY" FL36 UTILITY BOX

CITY COUNCIL APPROVAL: 2-27-07

Dem K. Uto
APPROVED BY CITY ENGINEER

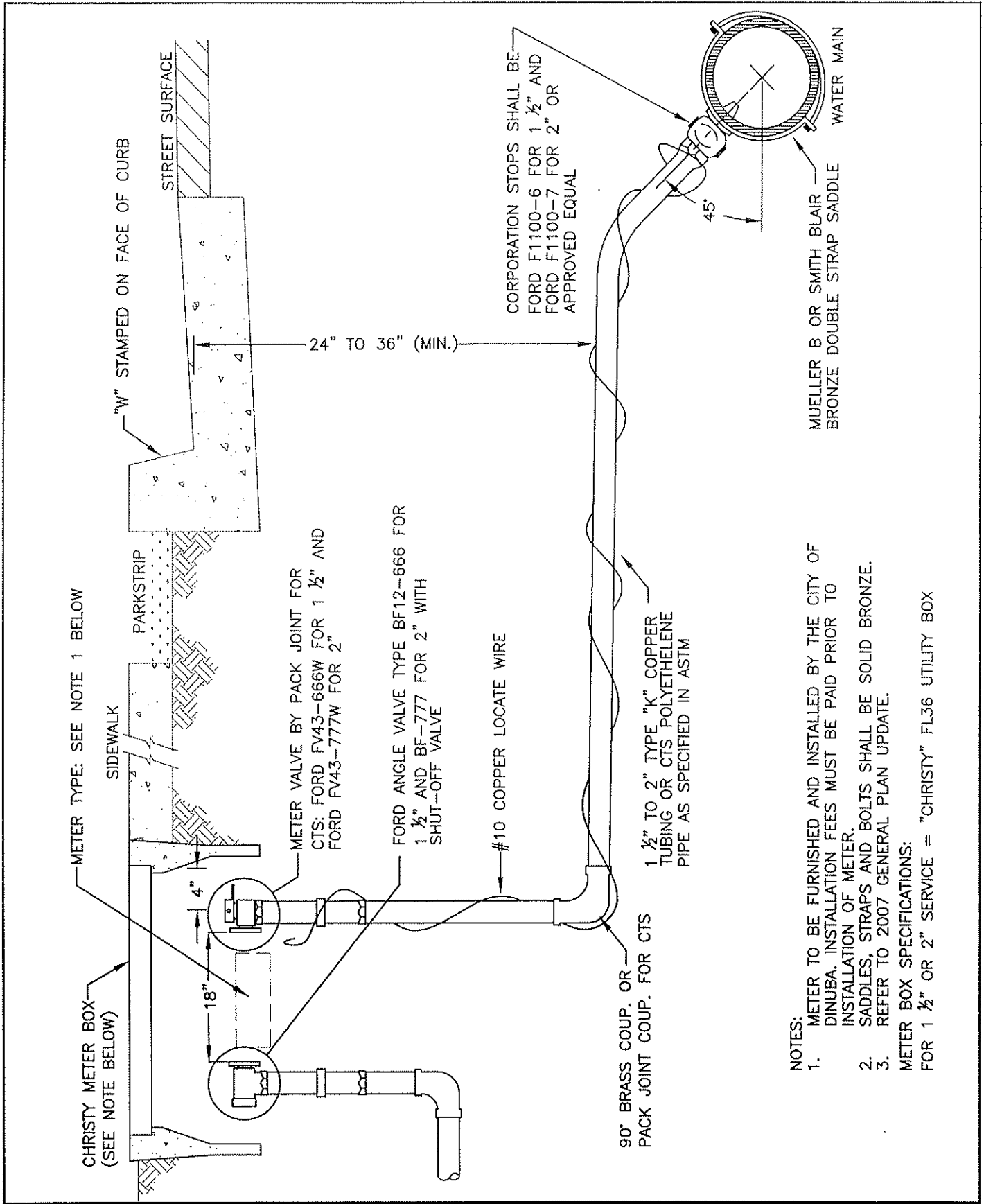
Blanca Gutierrez
APPROVED BY PUBLIC WORKS DIRECTOR

1-1/2" AND 2" COMMERCIAL WATER SERVICE

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **W-8**

FILE NAME: W-8rev2.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06



- NOTES:
- METER TO BE FURNISHED AND INSTALLED BY THE CITY OF DINUBA. INSTALLATION FEES MUST BE PAID PRIOR TO INSTALLATION OF METER.
 - SADDLES, STRAPS AND BOLTS SHALL BE SOLID BRONZE.
 - REFER TO 2007 GENERAL PLAN UPDATE. METER BOX SPECIFICATIONS: FOR 1 1/2" OR 2" SERVICE = "CHRISTY" FL36 UTILITY BOX

CITY COUNCIL APPROVAL: 2-27-07

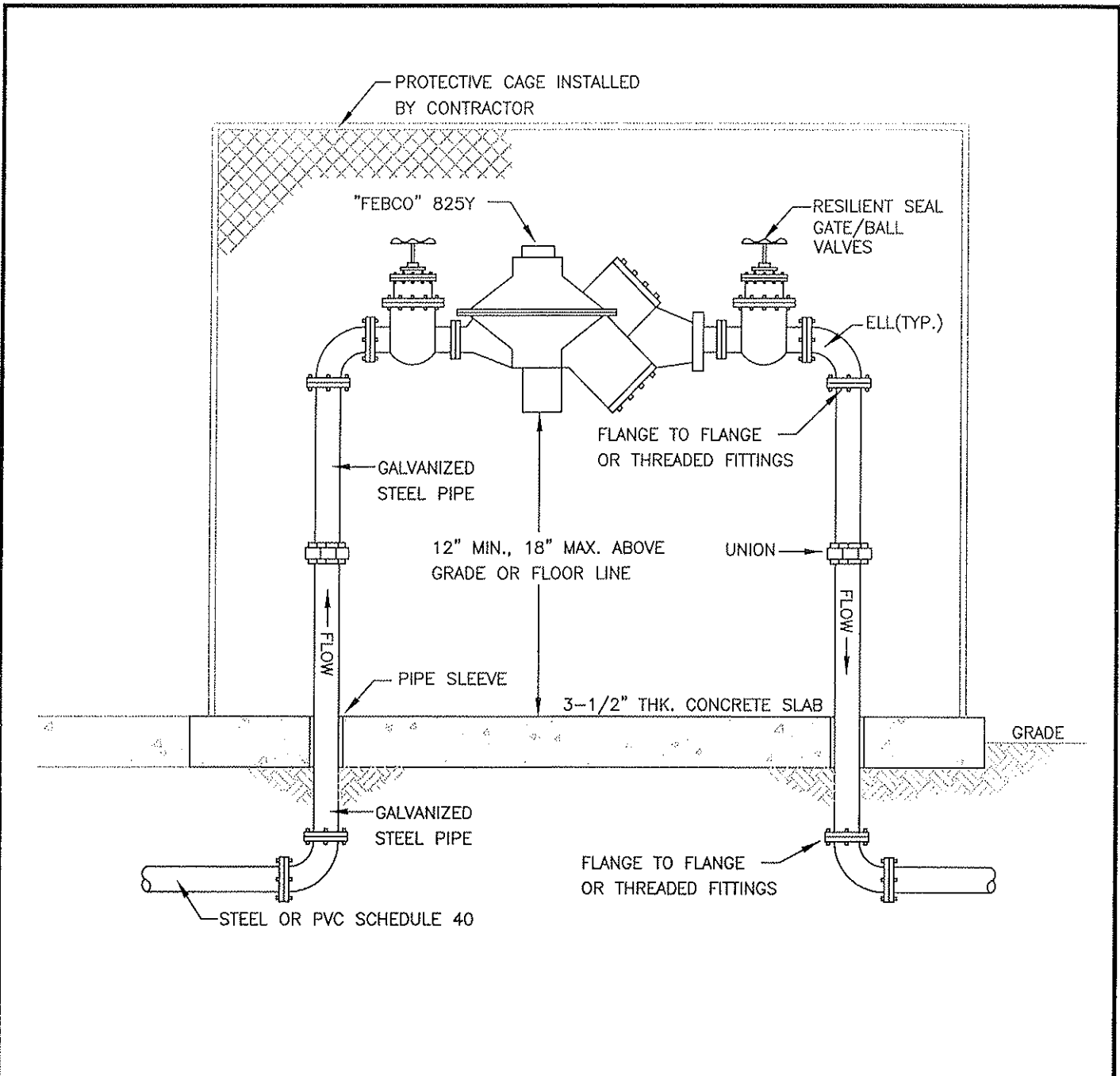
New K. Uto
APPROVED BY CITY ENGINEER

Danaa Peterson
APPROVED BY PUBLIC WORKS DIRECTOR

1 1/2" AND 2" COMMERCIAL WATER SERVICE WITH PARK STRIPS SHOWN

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. W-8a	
FILE NAME: W-8a.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06
PARK STRIPS	S.S. 12/12/06

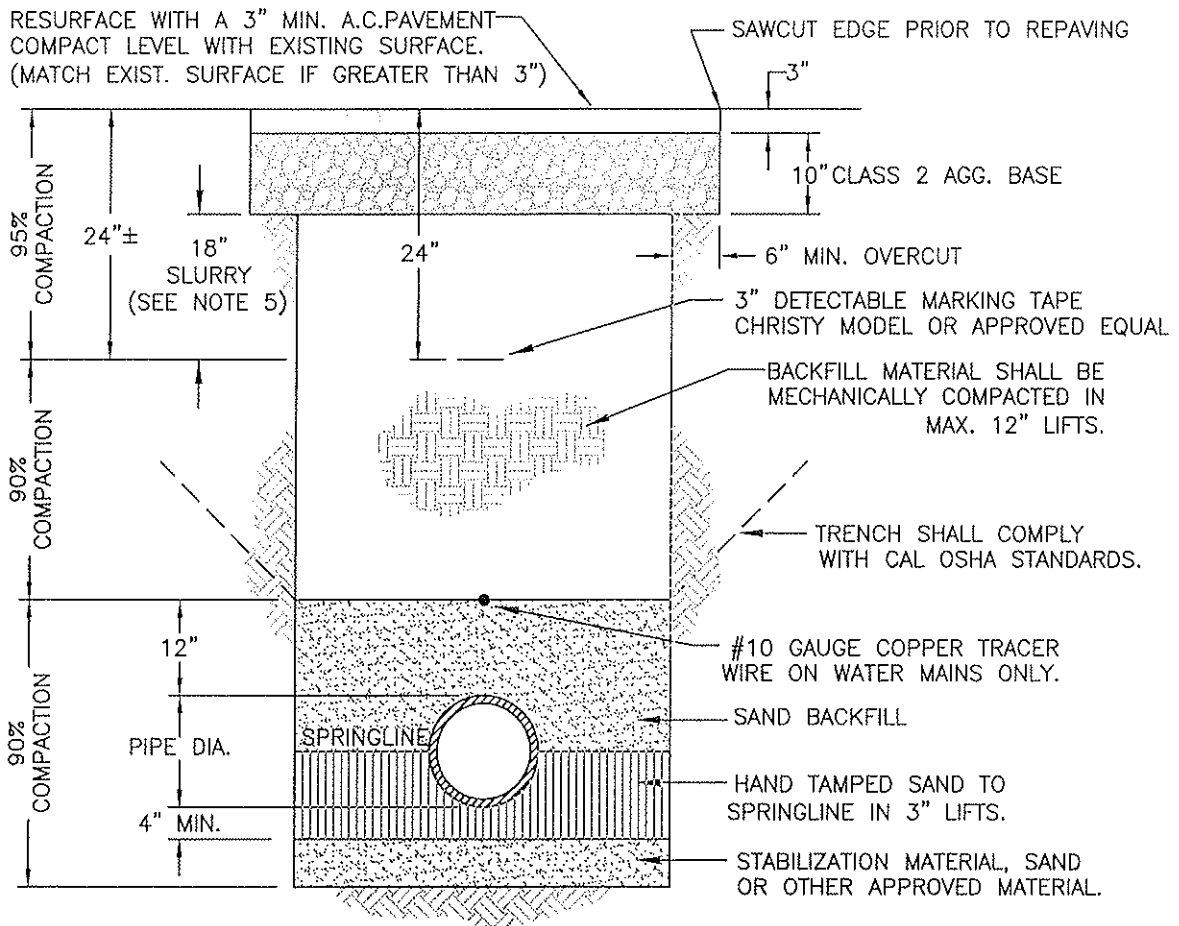


- NOTES:
1. ALL PIPE FITTINGS SHALL BE SCHEDULE 40, GALVANIZED STEEL UNLESS OTHERWISE SPECIFIED.
 2. THE BACKFLOW PREVENTER DEVICES AND INSTALLATIONS SHALL BE APPROVED AND INSPECTED BY THE PUBLIC WORKS DEPARTMENT.
 3. VALVE ASSEMBLIES MAY HAVE SCREWED FITTINGS OR FLANGED FITTINGS.
 4. COAT ALL EXPOSED THREADS WITH AN APPROVED RUST INHIBITING SEALANT.
 5. APPROVED PLASTIC TAPE, 12 MM(1/2" WIDE), SHALL BE USED ON ALL THREADED CONNECTIONS.
 6. DISSIMILAR METALS SHALL BE SEPARATED BY AN APPROVED DIELECTRIC COUPLING.
 7. PLASTIC PIPE SHALL NOT BE USED ABOVE FINISH GRADE.
 8. BACKFLOW DEVICES SHALL BE TESTED BY AN APPROVED BACKFLOW TESTER OF THE INSTALLATION TYPE.

CITY COUNCIL APPROVAL: 2-27-07
Adam K. Ute
 APPROVED BY CITY ENGINEER
[Signature]
 APPROVED BY PUBLIC WORKS DIRECTOR

**3/4" TO 2" REDUCED PRESSURE
 PRINCIPAL BACKFLOW PREVENTERS**
 CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. W-9	
FILE NAME: W-9rev1.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Gen Notes, Callouts	T.S. 4/14/06



NOTES:

1. USE SPECIAL CARE IN BEDDING FLEXIBLE PIPE TO ENSURE SIDEWALL SUPPORT.
2. LESS COVER FOR 8" PIPE MAY BE ALLOWED AT THE DISCRETION OF THE CITY ENGINEER.
3. TRACE WIRE TO BE INSTALLED ON ALL WATER MAINS.
4. WIDTH AT BOTTOM OF TRENCH SHALL BE (O.D.+5 PIPE DIA.) WHEN UNSTABLE SOIL IS ENCOUNTERED.
5. MINIMUM 18" SLURRY IS REQUIRED UNDER ASPHALT IN ALL ARTERIALS AND COLLECTOR STREETS.
6. JETTING OF TRENCHES IS STRICTLY PROHIBITED.
7. MINIMUM WATER MAIN SIZE SHALL BE 8". MINIMUM SEWER MAIN SIZE SHALL BE 8". MINIMUM STORM DRAIN MAIN SIZE SHALL BE 12".
8. VIDEO CAMERA INSPECTION REQUIRED ON ALL CONSTRUCTED SEWER MAINS. PROVIDE REPORTS & VIDEO TAPES/CD'S.

TRENCH WIDTH	
FOR 8" PIPE =	22" TO 32"
FOR 10" PIPE =	24" TO 34"
FOR 12" PIPE =	26" TO 36"
FOR 14" PIPE =	28" TO 36"
FOR 16" PIPE =	30" TO 38"

WATER, SANITARY SEWER & STORM DRAIN MAINS	
8"(MIN.) THRU 12" PIPE =	42" COVER
OVER 12" PIPE =	48" COVER

CITY COUNCIL APPROVAL: 2-27-07

Abm K. Uto
APPROVED BY CITY ENGINEER

PIPE TRENCH DETAIL

DRAWING NO. **W-10**

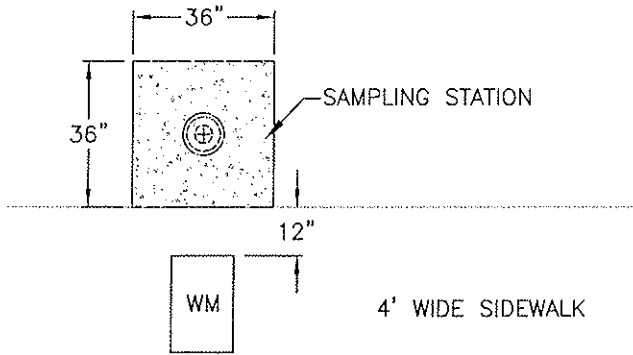
FILE NAME: W-10rev1.dwg Dwn: Vasquez

REVISIONS BY DATE

Gen Notes, Dims T.S. 4/14/06

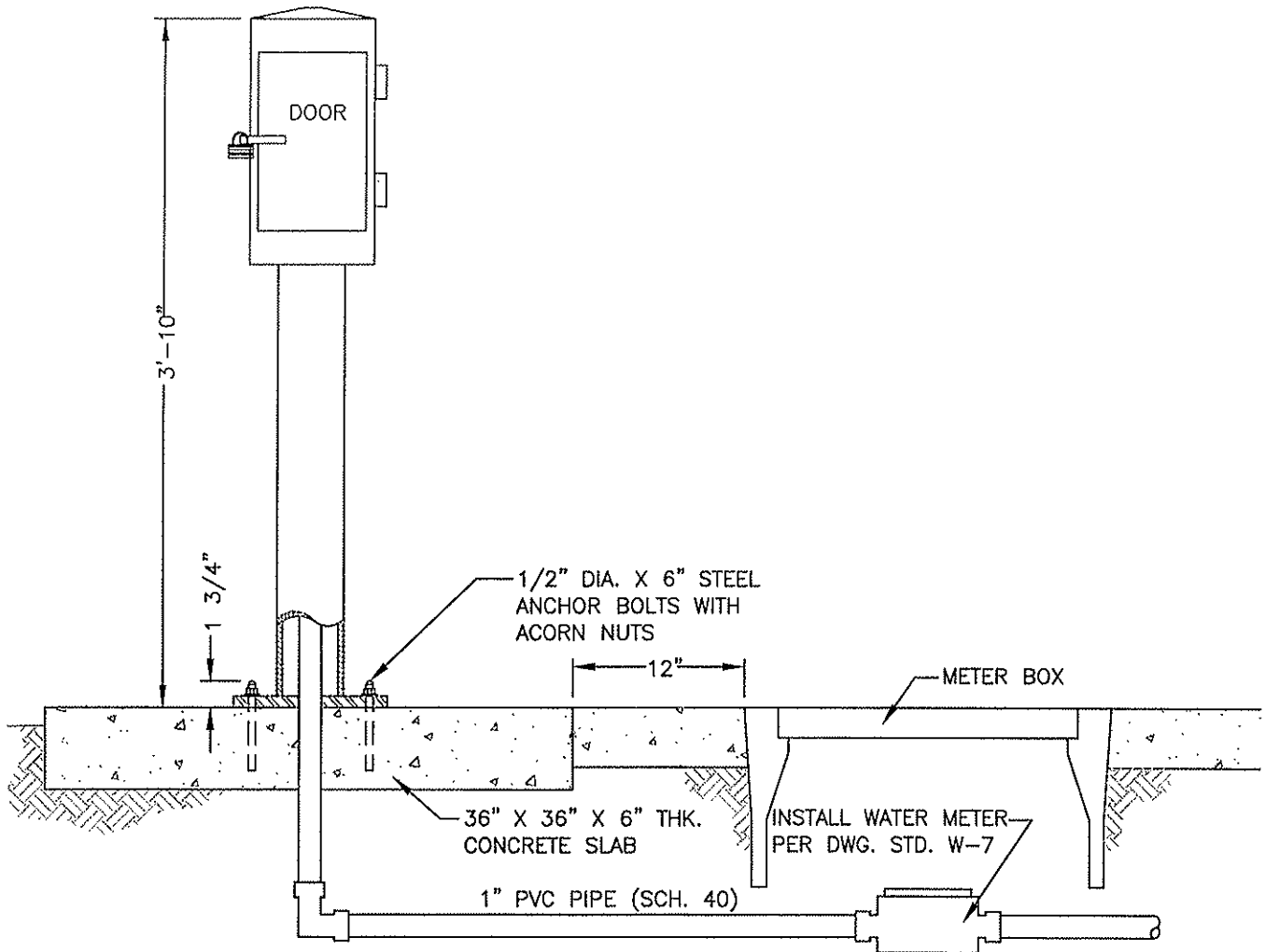
Blanca Gutierrez
APPROVED BY PUBLIC WORKS DIRECTOR

CITY OF DINUBA
Public Improvement Standards



TOP VIEW

CURB AND GUTTER



CITY COUNCIL APPROVAL: 2-27-07

Dean K. Clark
APPROVED BY CITY ENGINEER

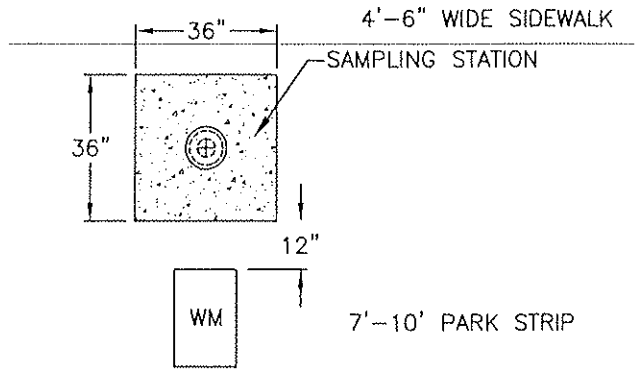
James G. Carter
APPROVED BY PUBLIC WORKS DIRECTOR

WATER SAMPLE STATION DETAIL "A" (Page 1 of 2)

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **W-11**

FILE NAME: W-11rev1.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Callouts	T.S. 4/14/06

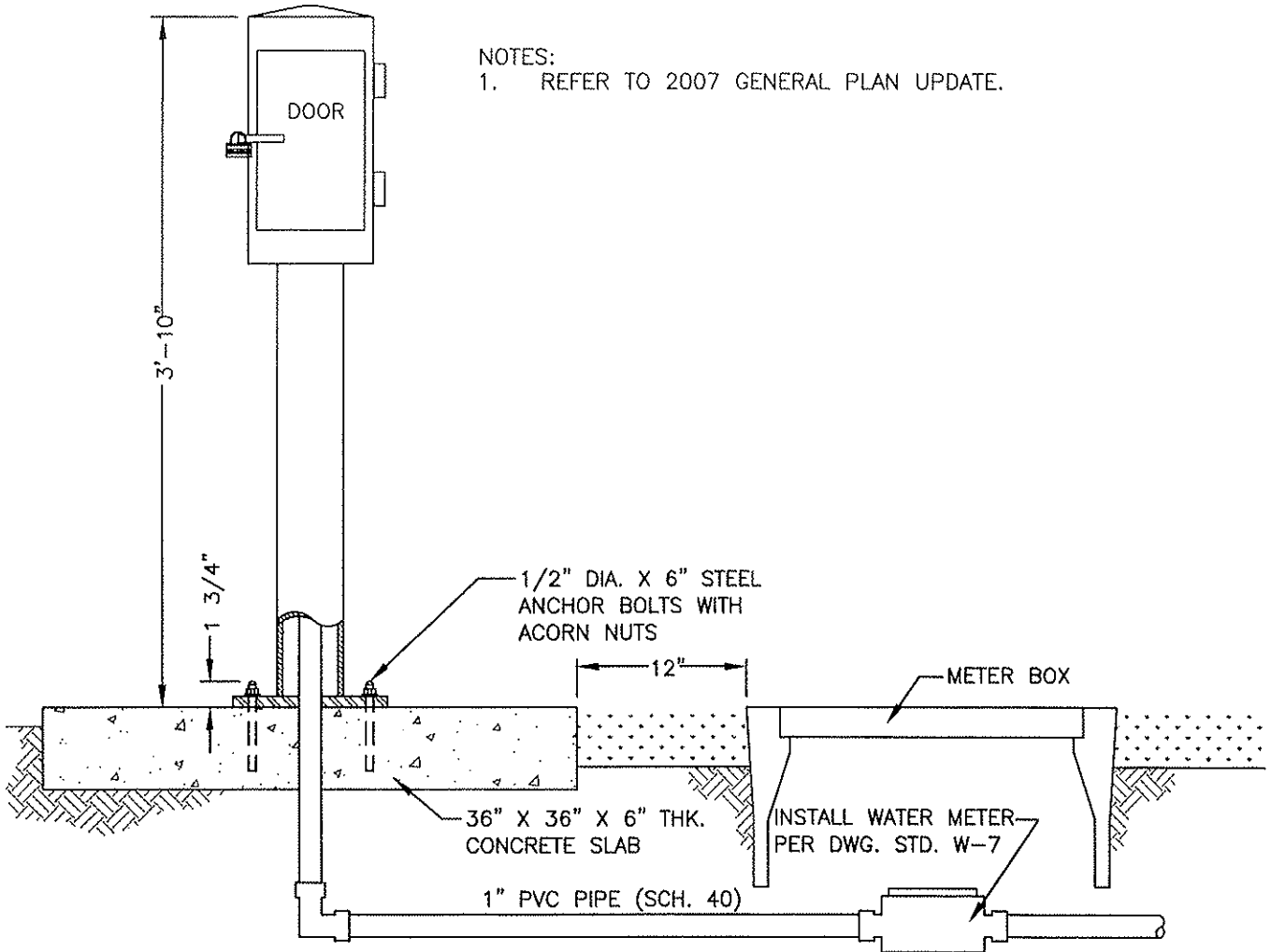


TOP VIEW

CURB AND GUTTER

NOTES:

1. REFER TO 2007 GENERAL PLAN UPDATE.



CITY COUNCIL APPROVAL: 2-27-07

Dean K. Woto
APPROVED BY CITY ENGINEER

Diana Estrera
APPROVED BY PUBLIC WORKS DIRECTOR

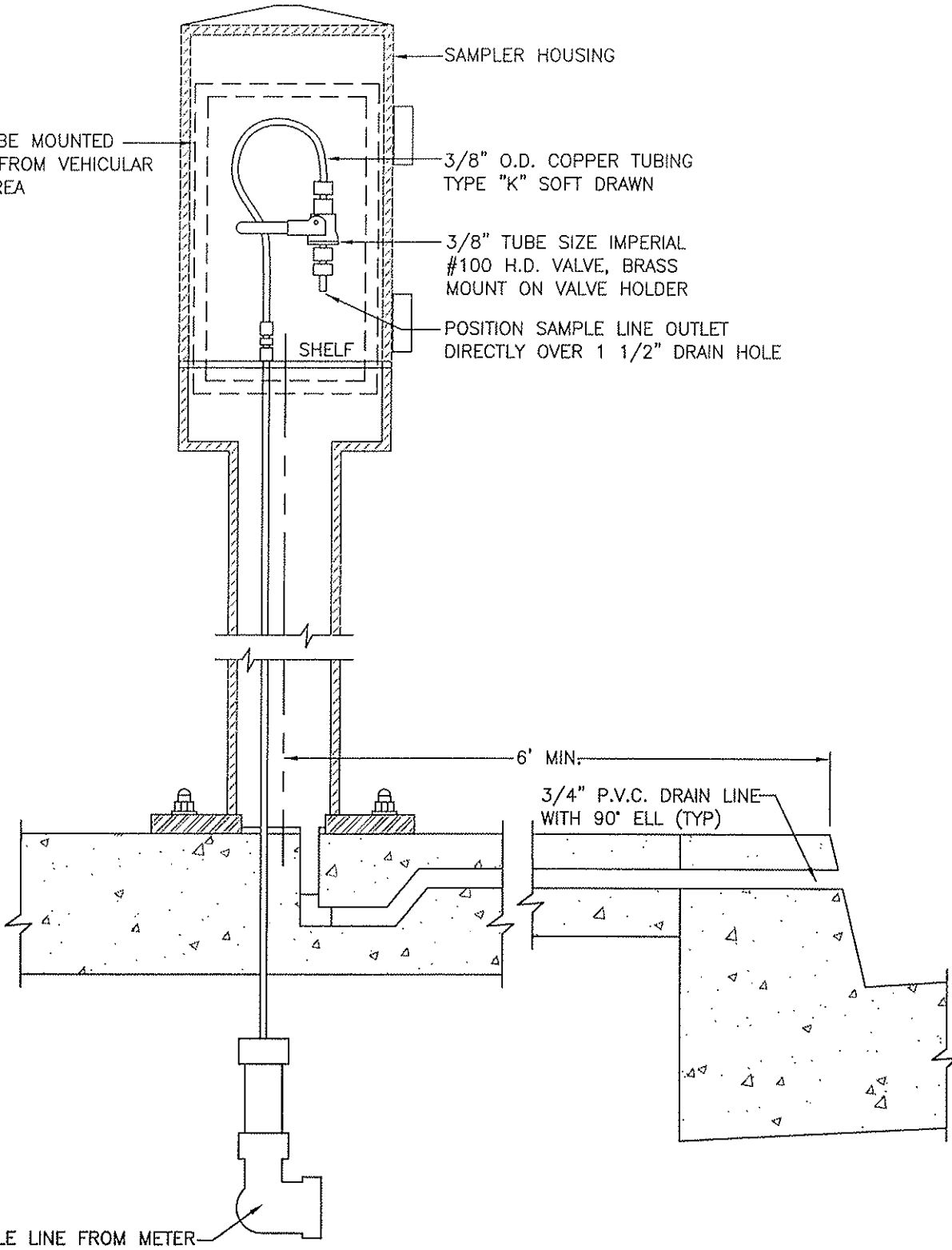
WATER SAMPLE STATION DETAIL
"A" WITH PARK STRIP (Page 1 of 2)

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **W-11a**

FILE NAME: W-11rev1.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Callouts	T.S. 4/14/06
Park Strips	S.S. 12/27/06

DOOR TO BE MOUNTED
OPPOSITE FROM VEHICULAR
TRAFFIC AREA



SAMPLER HOUSING

3/8" O.D. COPPER TUBING
TYPE "K" SOFT DRAWN

3/8" TUBE SIZE IMPERIAL
#100 H.D. VALVE, BRASS
MOUNT ON VALVE HOLDER

POSITION SAMPLE LINE OUTLET
DIRECTLY OVER 1 1/2" DRAIN HOLE

SHELF

6' MIN.

3/4" P.V.C. DRAIN LINE
WITH 90° ELL (TYP)

SAMPLE LINE FROM METER

CITY COUNCIL APPROVAL: 2-27-07

Alvin K. Uto
APPROVED BY CITY ENGINEER

Samuel...
APPROVED BY PUBLIC WORKS DIRECTOR

WATER SAMPLE STATION DETAIL "B" (Page 2 of 2)

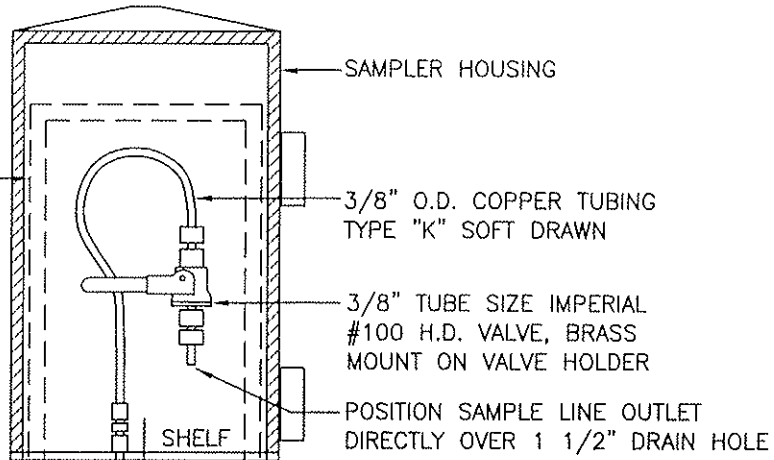
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **W-12**

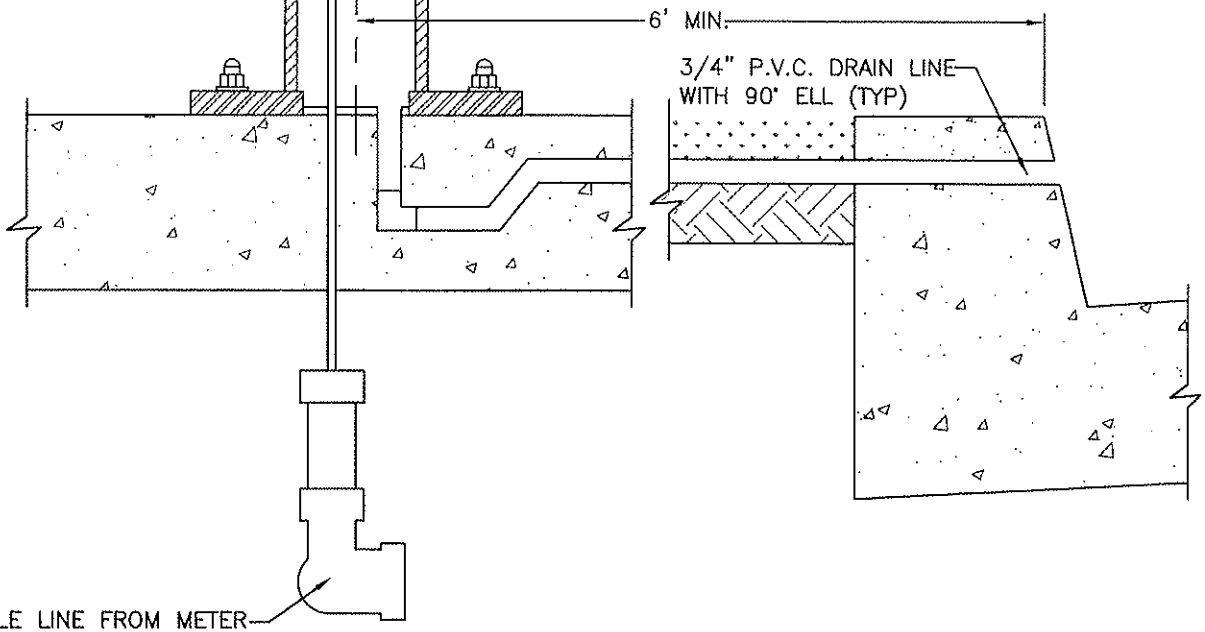
FILE NAME: W-12rev1.dwg | Dwn: Vasquez

REVISIONS	BY	DATE
Callouts	T.S.	4/14/06

DOOR TO BE MOUNTED
OPPOSITE FROM VEHICULAR
TRAFFIC AREA



NOTES:
1. REFER TO 2007 GENERAL PLAN UPDATE.



CITY COUNCIL APPROVAL: 2-27-07

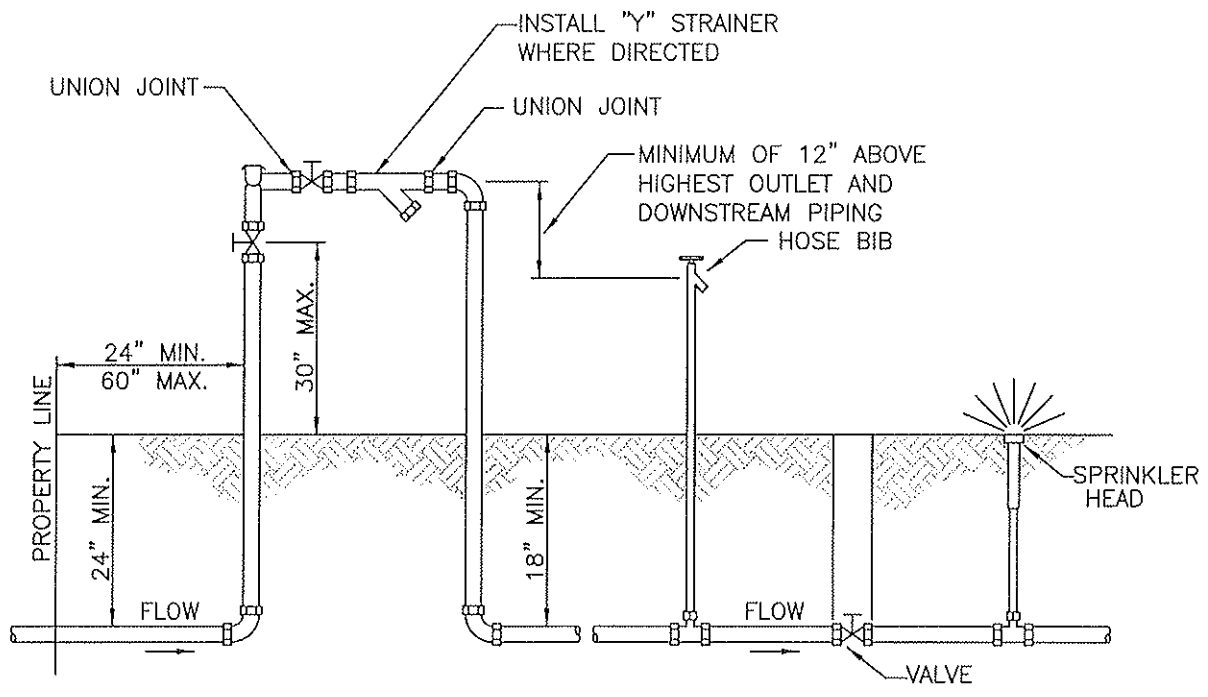
Dean K. Uoto
APPROVED BY CITY ENGINEER

Edmund Gutierrez
APPROVED BY PUBLIC WORKS DIRECTOR

**WATER SAMPLE STATION DETAIL
"B" WITH PARK STRIPS (Page 2 of 2)**

**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. W-12a		
FILE NAME: W-12rev1.dwg	Dwn: Vasquez	
REVISIONS	BY	DATE
Callouts	T.S.	4/14/06
Park Strips	S.S.	12/27/06



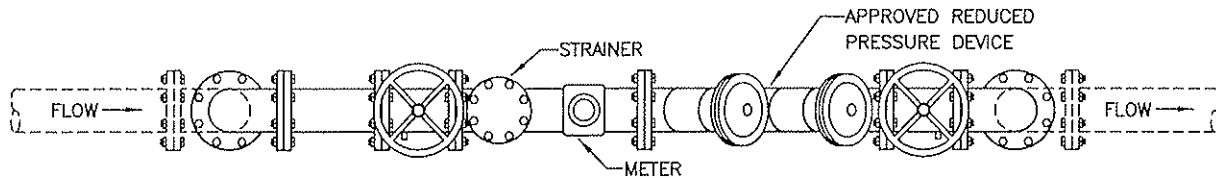
NOTES:

1. RESILIENT SEATED SHUT-OFF VALVES AND TEST COCKS ARE REQUIRED.
2. NO TAPS, TEES OR CONNECTIONS OF ANY KIND ARE PERMITTED BETWEEN THE WATER METER AND THE PRESSURE VACUUM BREAKER ASSEMBLY.
3. PROTECTION FROM FREEZE DAMAGE IS REQUIRED IN EXPOSED AREAS.
4. ASSEMBLY MUST BE ACCESSIBLE FOR TESTING AND MAINTENANCE PER CITY OF DINUBA MUNICIPAL CODE.
5. ASSEMBLY TO BE THE SAME SIZE AS THE WATER SUPPLY LINE PER UNIFORM PLUMBING CODE.
6. PRESSURE LOSS THROUGH PRESSURE VACUUM BREAKER ASSEMBLY MUST BE INCLUDED IN PRESSURE LOSS CALCULATIONS FOR SIZING OF THE WATER SYSTEM PER UNIFORM PLUMBING CODE.
7. DOWNSTREAM PIPING MAY HAVE VALVES IN SYSTEM.
8. INSTALL ONE UNION IN THE PIPING SYSTEM WITHIN 12 INCHES OF THE ASSEMBLY.
9. ASSEMBLY CAN NOT BE SUBJECT TO BACKPRESSURE FROM PUMPS, ELEVATION OR OTHER SOURCES.
10. MAINTAIN A MINIMUM OF 12 INCHES, MAXIMUM OF 18 INCHES CLEARANCE AROUND ASSEMBLY.
11. ANY DEVIATION FROM THESE REQUIREMENTS SHALL BE APPROVED BY THE PUBLIC WORKS DEPT PRIOR TO INSTALLATION.

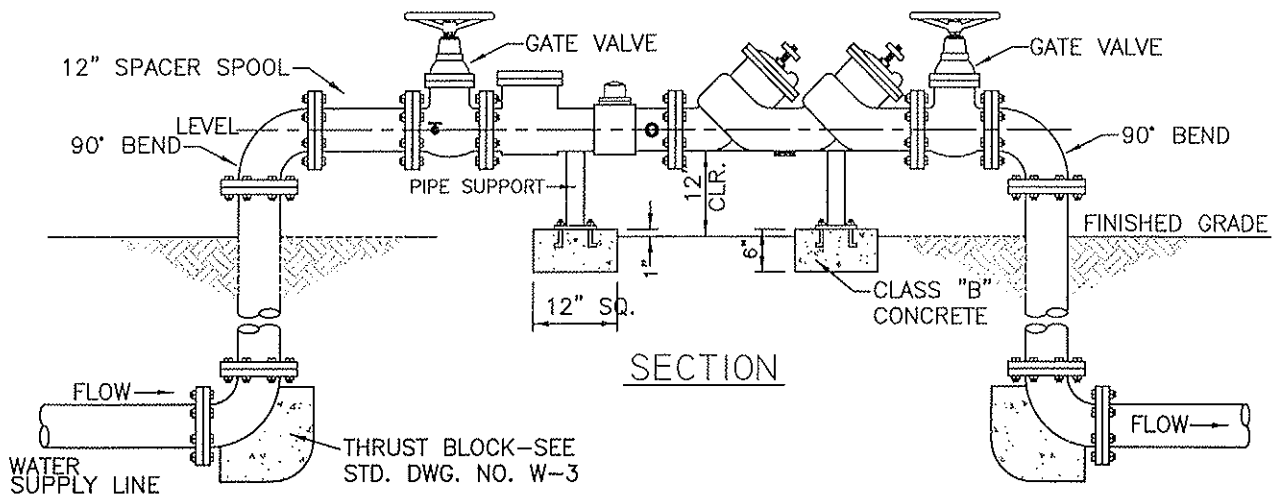
CITY COUNCIL APPROVAL: 2-27-07
Don K. Uto
 APPROVED BY CITY ENGINEER
Donna Lutton
 APPROVED BY PUBLIC WORKS DIRECTOR

**PRESSURE VACUUM BREAKER
 BACKFLOW PREVENTER INSTALLATION**
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. W-13		
FILE NAME: W-13.dwg	Dwn: Simpson	
REVISIONS	BY	DATE



PLAN VIEW



SECTION

GENERAL NOTES:

1. INLET AND OUTLET VALVES TO BE INSTALLED AT EACH END OF ASSEMBLY.
2. ALL WATER METERS SHALL BE "NEPTUNE" REMOTE READ.
3. ALL WATER METERS LARGER THAN 2" SHALL BE PROVIDED BY THE OWNER, DEVELOPER OR CONTRACTOR.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. Woto
APPROVED BY CITY ENGINEER

Sharon G. Carter
APPROVED BY PUBLIC WORKS DIRECTOR

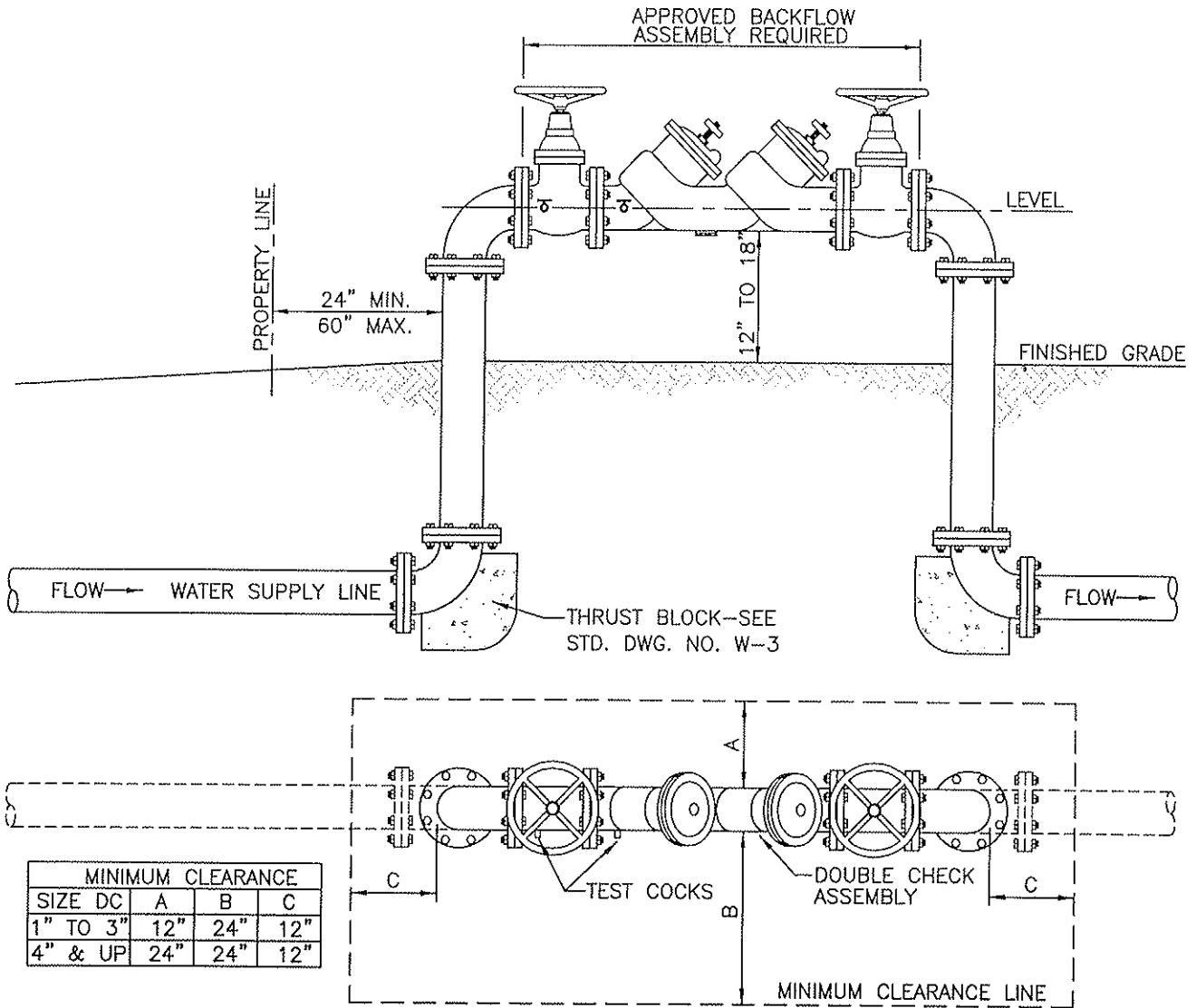
COMPOUND OR TURBINE METER SETTING
WITH REDUCED PRESSURE DEVICE

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **W-14**

FILE NAME: W-14.dwg Dwn: T. Simpson

REVISIONS	BY	DATE



MINIMUM CLEARANCE			
SIZE DC	A	B	C
1" TO 3"	12"	24"	12"
4" & UP	24"	24"	12"

GENERAL NOTES:

1. RESILIENT SEATED SHUT OFF VALVES AND TEST COCKS ARE REQUIRED
2. NO TAPS, TEES OR CONNECTIONS OF ANY KIND ARE PERMITTED BETWEEN THE WATER METER AND THE BACKFLOW ASSEMBLY.
3. PROTECTION FROM FREEZE DAMAGE MAY BE REQUIRED IN EXPOSED AREAS.
4. ASSEMBLY MUST BE ACCESSIBLE FOR TESTING AND MAINTENANCE PER CITY OF DINUBA PUBLIC WORKS DEPARTMENT.
5. ASSEMBLY TO BE THE SAME SIZE AS THE WATER SUPPLY LINE PER UNIFORM PLUMBING CODE.
6. PRESSURE LOSS THROUGH ASSEMBLY MUST BE INCLUDED IN PRESSURE LOSS CALCULATIONS FOR SIZING OF THE WATER SYSTEM PER UNIFORM BUILDING CODE.
7. MINIMUM CLEARANCES AROUND ASSEMBLY MUST BE MAINTAINED. REFER TO MINIMUM CLEARANCE CHART ON THIS PAGE.
8. DRAINAGE TO EXTERIOR OF THE BUILDING IS REQUIRED WHEN ASSEMBLY IS INSTALLED INSIDE.
9. ANY DEVIATION FROM THESE REQUIREMENTS SHALL BE APPROVED BY THE WATER SYSTEM MANAGER OR CROSS CONNECTION CONTROL SPECIALIST PRIOR TO INSTALLATION.
10. THE BACKFLOW PREVENTER DEVICES AND INSTALLATIONS SHALL BE APPROVED BY THE CITY OF DINUBA PUBLIC WORKS DEPARTMENT.
11. BACKFLOW ASSEMBLY SHALL BE INSPECTED AND TESTED BY THE PUBLIC WORKS DEPARTMENT OR PROVIDE A CERTIFICATE SHOWING THE ASSEMBLY WAS TESTED AND PASSED.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. Wata
APPROVED BY CITY ENGINEER

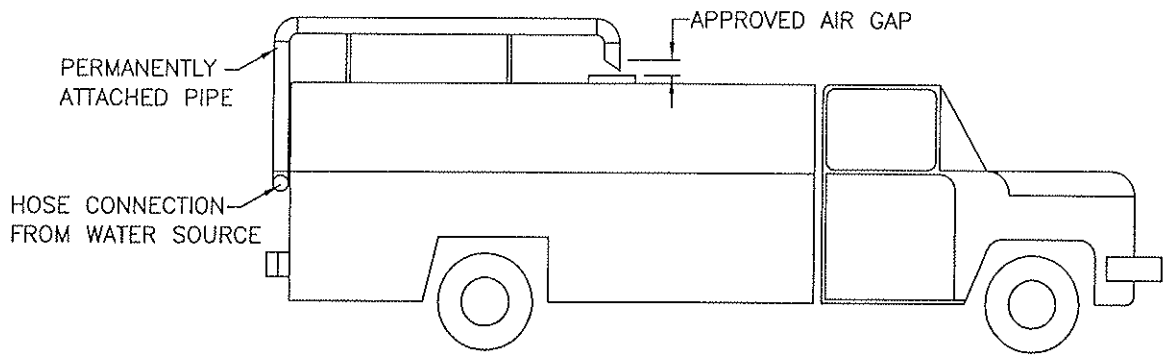
James L. ...
APPROVED BY PUBLIC WORKS DIRECTOR

**DOUBLE CHECK
VALVE INSTALLATION**
CITY OF DINUBA
Public Improvement Standards

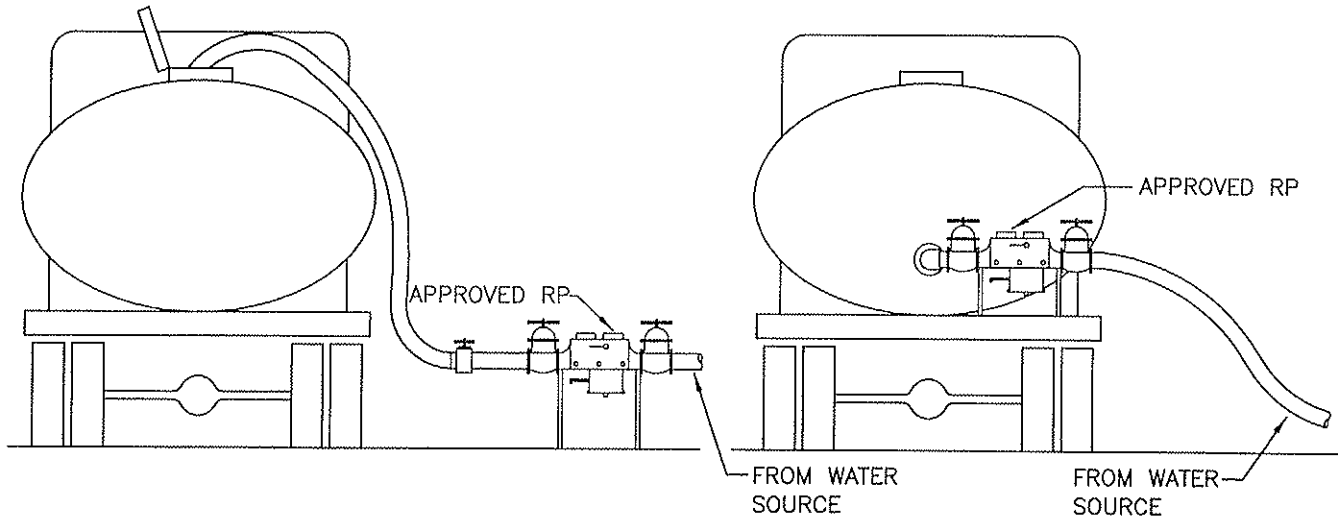
DRAWING NO. **W-15**

FILE NAME: W-15.dwg Dwn: T. Simpson

REVISIONS	BY	DATE



AIR-GAP PROTECTION



MECHANICAL ASSEMBLY PROTECTION

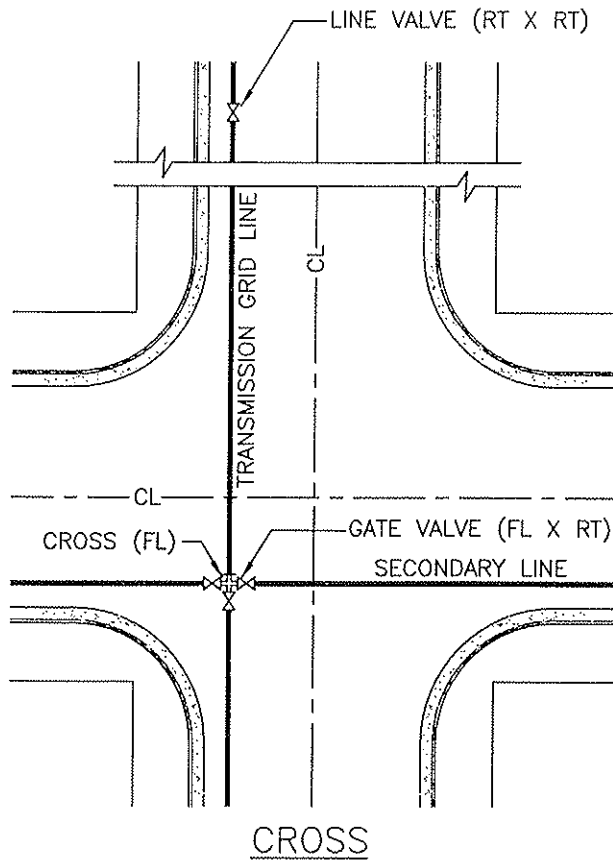
REQUIREMENTS:

1. AIR-GAP MUST BE AN APPROVED "AIR-GAP" SYSTEM
2. MECHANICAL BACKFLOW PREVENTER MUST BE AN APPROVED REDUCED PRESSURE PRINCIPAL ASSEMBLY.
3. BACKFLOW ASSEMBLY MUST BE TESTED BY A CERTIFIED BACKFLOW PREVENTION DEVICE TESTER, WHO IS REGISTERED WITH THE CITY WATER DIVISION. THE TESTS SHALL BE PERFORMED ONCE A YEAR. THE TEST RESULTS MUST BE PROVIDED TO THE CITY WATER DIVISION.
4. TYPICAL EQUIPMENT: WATER TRUCKS, PEST CONTROL TRUCKS, HYDROSEEDING EQUIPMENT, PORTABLE WASHING AND STEAM CLEANING EQUIPMENT.

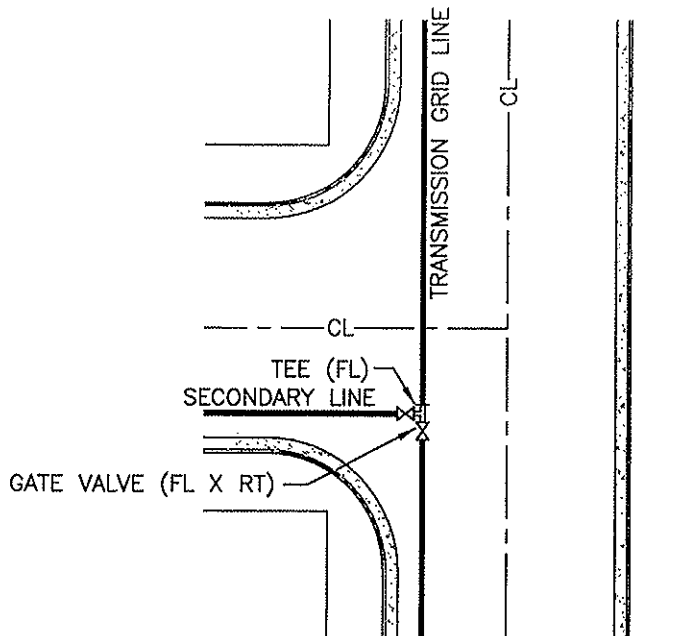
CITY COUNCIL APPROVAL: 2-27-07
Don K. Upton
 APPROVED BY CITY ENGINEER
Danica B. ...
 APPROVED BY PUBLIC WORKS DIRECTOR

**APPROVED PORTABLE WATER
 TRANSPORT BACKFLOW PROTECTION**
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. W-16		
FILE NAME: W-16.dwg	Dwn: T. Simpson	
REVISIONS	BY	DATE



CROSS



TEE

NOTES:

1. DISTANCE BETWEEN VALVES SHALL NOT EXCEED 500'.
2. RINGTITE JOINTS SHALL MEAN TYTON JOINT WHERE CAST IRON OR DUCTILE IRON PIPE IS USED.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Ute
APPROVED BY CITY ENGINEER

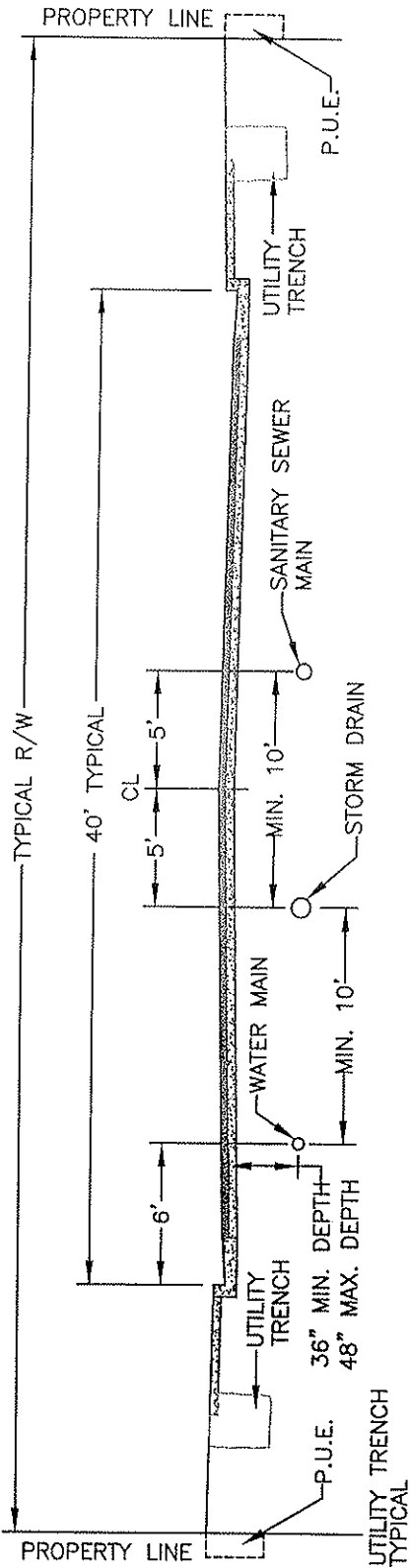
David Kustian
APPROVED BY PUBLIC WORKS DIRECTOR

TYPICAL INTERSECTION CONNECTIONS

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **W-17**

FILE NAME: W-17.dwg	Dwn: Simpson
REVISIONS	BY DATE



NOTES:

1. WATER MAINS AND STORM SEWER MAINS SHALL BE PLACED NORTH OR WEST OF THE CENTERLINE OF THE STREET.
2. SEWER MAINS SHALL BE PLACED TO THE SOUTH OR EAST OF THE CENTERLINE OF THE STREET.
3. WATER SERVICES SHALL BE PLACED 5' FROM THE PROPERTY LINE.
4. SEWER SERVICES SHALL BE PLACED 5' FROM THE CENTERLINE OF THE LOT.
5. THERE SHALL BE A 10' MINIMUM DISTANCE BETWEEN WATER MAINS, SEWER MAINS AND STORM WATER MAINS.
6. BACKFILL IN PARKWAY OR STREET INSTALLATIONS SHALL BE AS REQUIRED BY CITY STANDARD W-10
7. LOCATION OF UTILITY TRENCHES SHALL BE WITHIN THE P.U.E. EXCEPT FOR CROSSINGS.
8. AT NO TIME WILL SANITARY SEWER LINES BE ALLOWED IN A TRENCH OCCUPIED BY PRIMARY OR SECONDARY ELECTRICAL POWER.
9. EACH UTILITY COMPANY MAY HAVE ONE OR MORE CONDUITS OR CONDUCTORS IN A JOINT UTILITY TRENCH.
10. DEPTHS TO VARY ACCORDING TO CONDUIT SIZES AND LATERAL INTERFERENCE AND UTILITY COMPANY SPECIFICATIONS.
11. ALL CONDUCTORS OR CONDUITS SHALL HAVE 3" MINIMUM CLEARANCE FROM TRENCH SIDEWALL.
12. LOCATE #10 COPPER WIRE WITH ALL UTILITY MAINS AND WATER SERVICES.

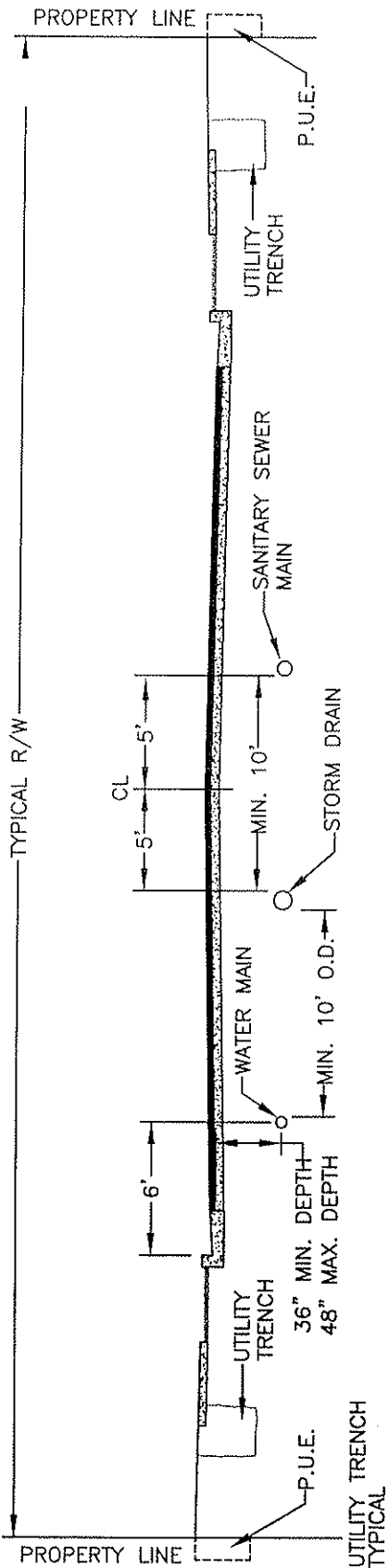
MINIMUM PIPE DIAMETER FOR:	
WATER MAIN:	8"
SANITARY SEWER MAIN:	8"
STORM DRAIN MAIN:	12"

CITY COUNCIL APPROVAL: 2-27-07
Ray K. Wota
 APPROVED BY CITY ENGINEER
James Keenan
 APPROVED BY PUBLIC WORKS DIRECTOR

LOCATIONS OF UTILITY MAINS

CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. W-18	
FILE NAME: W-18.dwg	Dwn: Lubong
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06



NOTES:

1. WATER MAINS AND STORM SEWER MAINS SHALL BE PLACED NORTH OR WEST OF THE CENTERLINE OF THE STREET.
2. SEWER MAINS SHALL BE PLACED TO THE SOUTH OR EAST OF THE CENTERLINE OF THE STREET.
3. WATER SERVICES SHALL BE PLACED 5' FROM THE PROPERTY LINE.
4. SEWER SERVICES SHALL BE PLACED 5' FROM THE CENTERLINE OF THE LOT.
5. THERE SHALL BE A 10' MINIMUM DISTANCE BETWEEN WATER MAINS, SEWER MAINS AND STORM WATER MAINS.
6. BACKFILL IN PARKWAY OR STREET INSTALLATIONS SHALL BE AS REQUIRED BY CITY STANDARD W-10
7. LOCATION OF UTILITY TRENCHES SHALL BE WITHIN THE P.U.E. EXCEPT FOR CROSSINGS.
8. AT NO TIME WILL SANITARY SEWER LINES BE ALLOWED IN A TRENCH OCCUPIED BY PRIMARY OR SECONDARY ELECTRICAL POWER.
9. EACH UTILITY COMPANY MAY HAVE ONE OR MORE CONDUITS OR CONDUCTORS IN A JOINT UTILITY TRENCH.
10. DEPTHS TO VARY ACCORDING TO CONDUIT SIZES AND LATERAL INTERFERENCE AND UTILITY COMPANY SPECIFICATIONS.
11. ALL CONDUCTORS OR CONDUITS SHALL HAVE 3" MINIMUM CLEARANCE FROM TRENCH SIDEWALL.
12. LOCATE #10 COPPER WIRE WITH ALL UTILITY MAINS AND WATER SERVICES.
13. REFER TO 2007 GENERAL PLAN UPDATE.

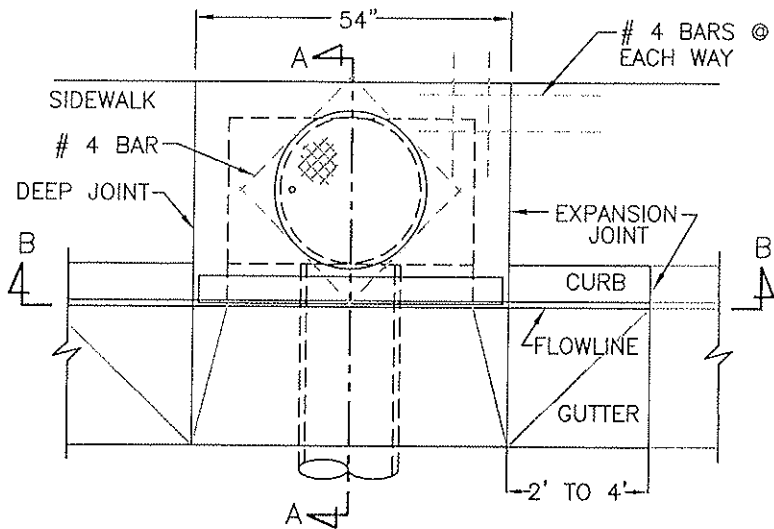
MINIMUM PIPE DIAMETER FOR:	
WATER MAIN:	8"
SANITARY SEWER MAIN:	8"
STORM DRAIN MAIN:	12"

CITY COUNCIL APPROVAL: 2-27-07
Adam K. Uto
 APPROVED BY CITY ENGINEER
Brian Kuttan
 APPROVED BY PUBLIC WORKS DIRECTOR

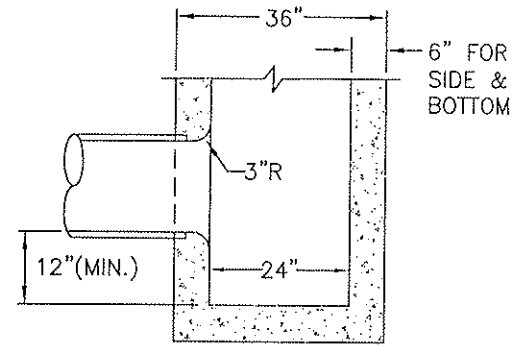
LOCATIONS OF UTILITY MAINS WITH PARK STRIPS

CITY OF DINUBA
Public Improvement Standards

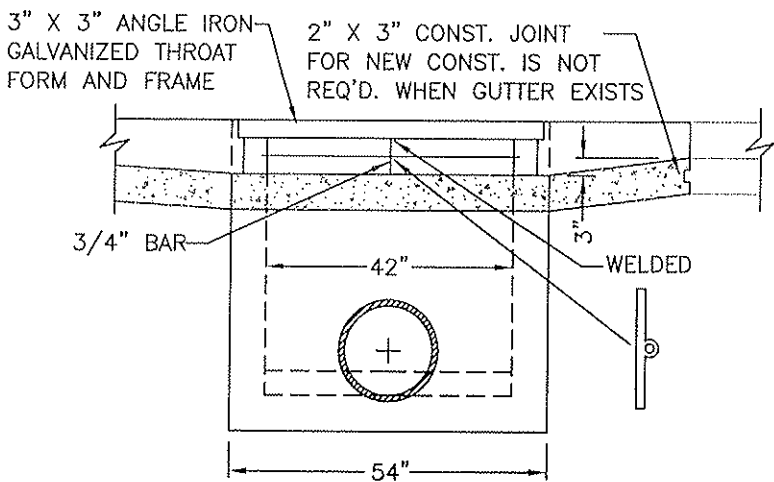
DRAWING NO. W-18a	
FILE NAME: W-18a.dwg	Dwn: Lubong
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06
Park Strips	S.S. 12/15/06



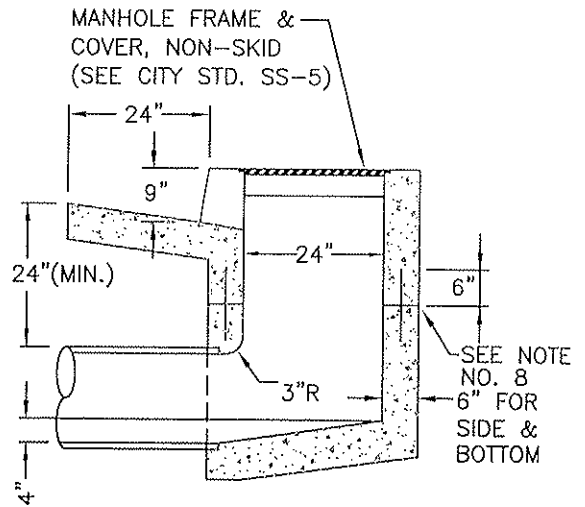
TOP
INLET/OUTLET



SECTION A-A
OUTLET
SEE NOTE 2



SECTION B-B FRONT
INLET/OUTLET
(CUTTING PLANE IS AT FLOWLINE)



SECTION A-A
INLET

NOTES:

1. AN OUTLET STRUCTURE THROAT SHALL BE FORMED WITH 6" FROM FLOWLINE TO TOP OF CURB.
2. WHEN EMPLOYED AS OUTLET, ELIMINATE THE 1/2" DIA. ROD AND PLACE GALV. FRAME AND GRATE 6" BELOW TOP OF CURB.
3. THE INLET OR OUTLET MAY BE MODIFIED SLIGHTLY TO MATCH EXISTING IMPROVEMENTS, AS DIRECTED BY THE CITY.
4. STRUCTURE SHALL BE CLASS "A" CONCRETE (6 SACK MINIMUM). CURB, GUTTER AND LOCAL DEPRESSIONS SHALL BE CLASS "A" CONCRETE (5 SACK MINIMUM).
5. CURB AND GUTTER SHALL BE RECONSTRUCTED ON EACH SIDE OF BOX AS INDICATED ON THE PLANS.
6. THE FLOOR OF THE INLET SHALL SLOPE FROM ALL WALLS TO THE LAT. FLOWLINE AND BE GIVEN A STEEL TROWELED FINISH.
7. AT THE CONTACT POINT OF THE STRUCTURE WALL AND THE LATERAL, A SMOOTH 3" RADIUS CURVE SHALL BE CONSTRUCTED.
8. IF THE STRUCTURE IS CONSTRUCTED IN A TWO-STAGE POUR, PROVIDE A ROUGHENED CONSTRUCTION JOINT AND PLACE ON #4 REBAR, 12" LONG, IN EACH OF THE FOUR WALLS, AS SHOWN.
9. APPROVAL EQUAL: "CHRISTY" U36 PRE-CAST CONCRETE CATCH BASIN WITH U37(2 X 4) PRE-CAST CONCRETE CURB INLET.
10. MAXIMUM GUTTER RUN SHALL NOT EXCEED 1,300'.

CITY COUNCIL APPROVAL: 2-27-07

Row K. Uto
APPROVED BY CITY ENGINEER

James Putman
APPROVED BY PUBLIC WORKS DIRECTOR

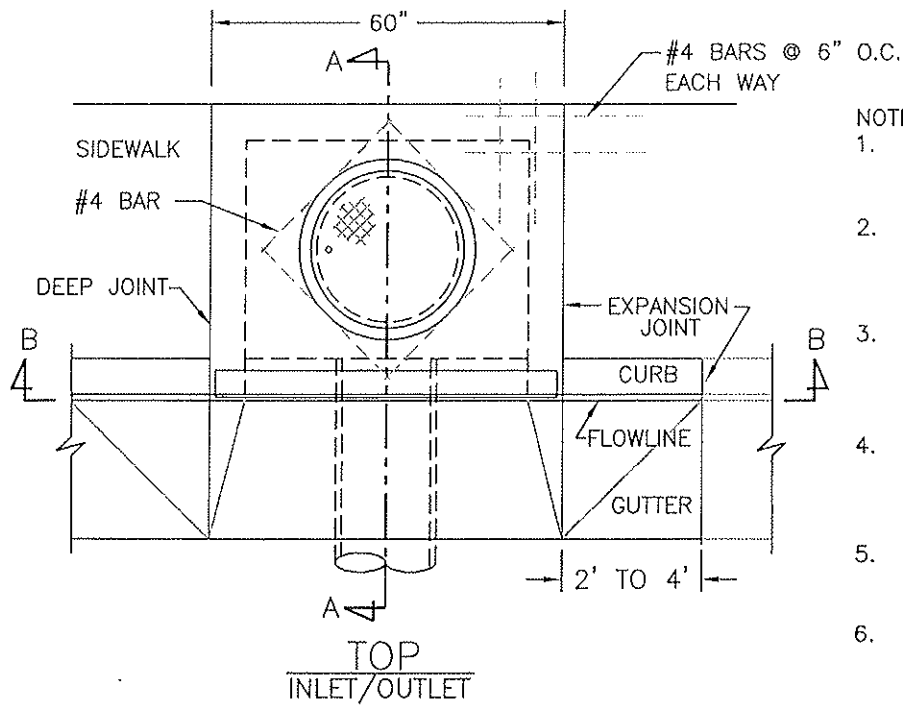
TYPE "A" CATCH BASIN
42" Curb Inlet & 42" x 24" Basin

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **SD-1**

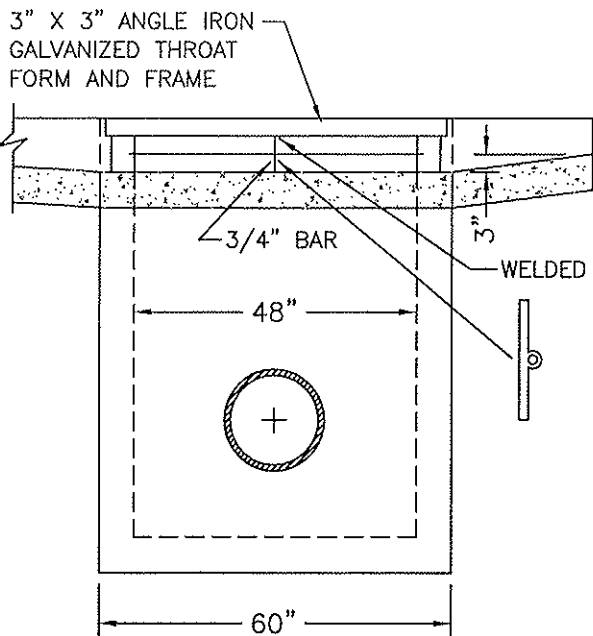
FILE NAME: SD-1rev1.dwg | Dwn: Vasquez

REVISIONS	BY	DATE
Gen Notes	T.S.	4/14/06

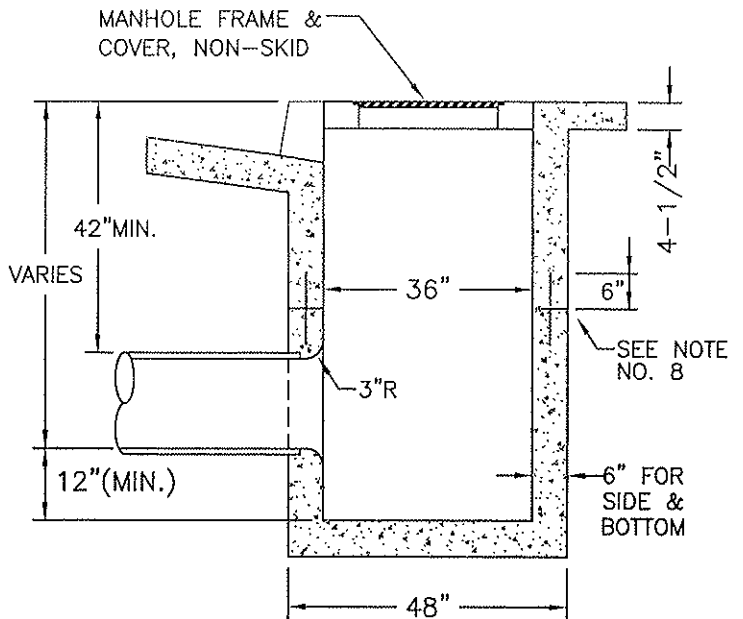


NOTES:

1. AN OUTLET STRUCTURE THROAT SHALL BE FORMED 6" FROM FLOWLINE TO TOP OF CURB.
2. THE INLET/OUTLET MAY BE MODIFIED SLIGHTLY TO MATCH EXIST IMPROVEMENTS, AS DIRECTED BY THE CITY ENGINEER.
3. STRUCTURE SHALL BE CLASS "A" CONCRETE (6 SACK MINIMUM). CURB, GUTTER AND LOCAL DEPRESSIONS SHALL BE CLASS "A" CONCRETE.
4. REINFORCING STEEL SHALL BE #4 DEFORMED BARS. INSTALL (2) #4 @ 24" O.C. 2" FROM & ADJACENT TO COVER FOR ADDITIONAL STRENGTH.
5. SPECIAL DESIGN MAY BE REQUIRED BY THE CITY ENGINEER WHEN DEPTH OF CATCH BASIN EXCEEDS 6 FEET.
6. APPROVED EQUAL: "CHRISTY" U52 PRE-CAST CONCRETE CATCH BASIN MANHOLE LID AND FRAME. (SEE CITY STD. SS-6)
7. MAXIMUM GUTTER RUN SHALL NOT EXCEED 1,300'.



SECTION B-B FRONT
INLET/OUTLET
(CUTTING PLANE IS AT FLOWLINE)



SECTION A-A
INLET/OUTLET

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Uto
APPROVED BY CITY ENGINEER

David Patton
APPROVED BY PUBLIC WORKS DIRECTOR

TYPE "B" CATCH BASIN
48" Curb Inlet & 48" x 36" Basin

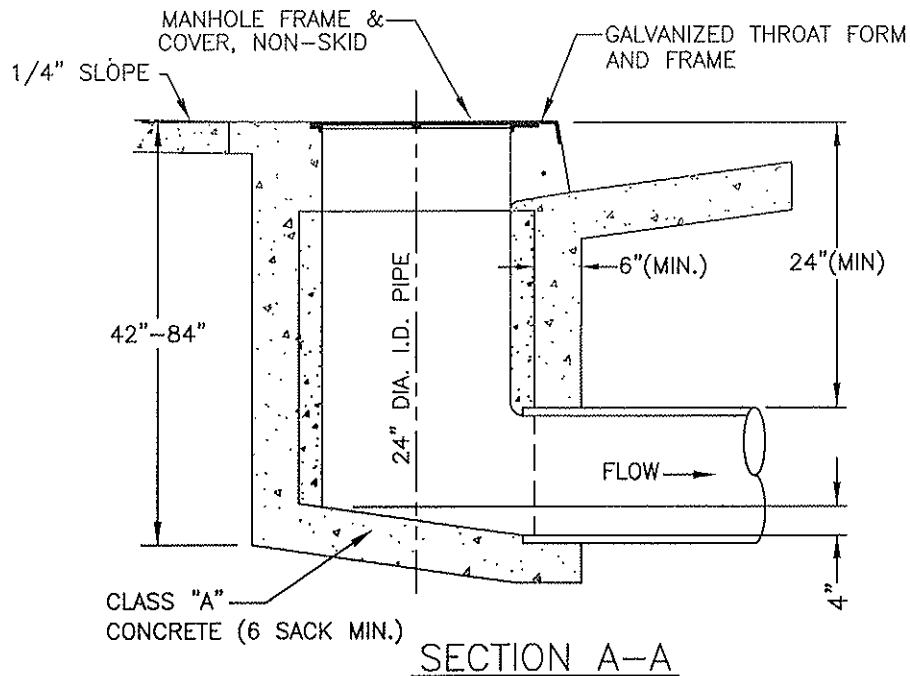
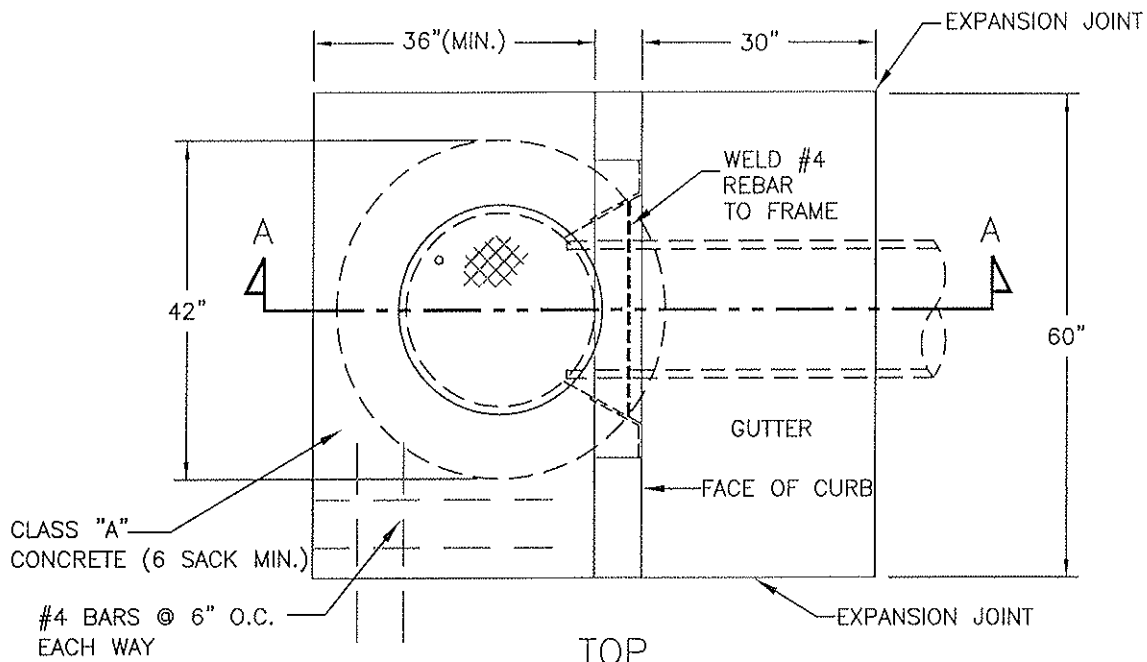
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **SD-2**

FILE NAME: SD-2rev1.dwg Dwn: Vasquez

REVISIONS BY DATE

Gen Notes T.S. 4/14/06



NOTES:

1. BY CITY STAFF APPROVAL ONLY.
2. MAXIMUM GUTTER RUN NOT TO EXCEED 1,300'.

CITY COUNCIL APPROVAL: 2-27-07

Alvin K. Cota
APPROVED BY CITY ENGINEER

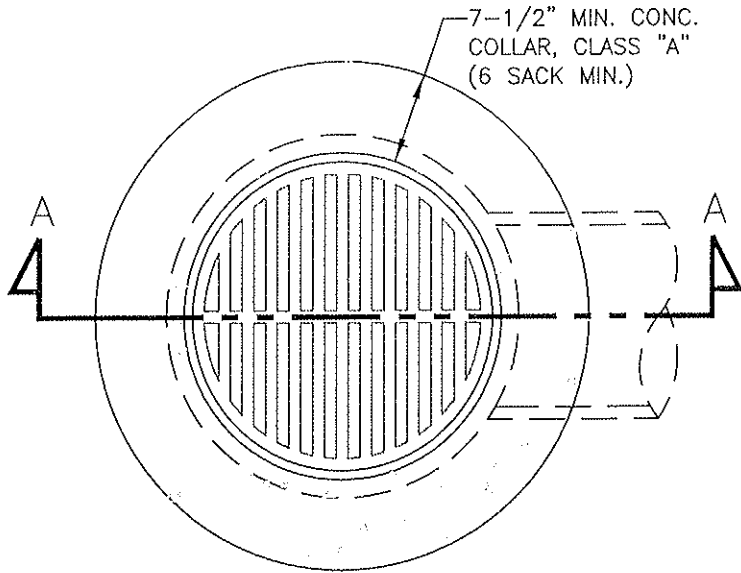
Diana Kottian
APPROVED BY PUBLIC WORKS DIRECTOR

TYPE "C" CATCH BASIN
24" Dia. Inlet Drain Pipe

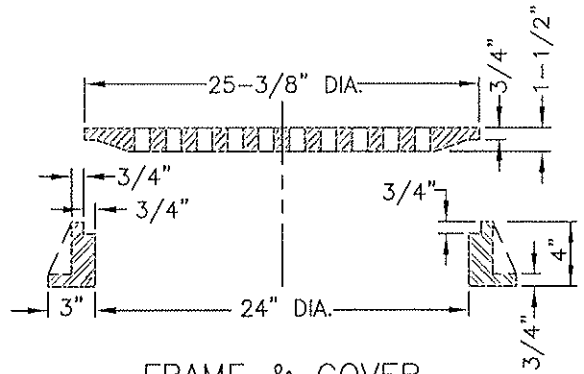
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **SD-3**

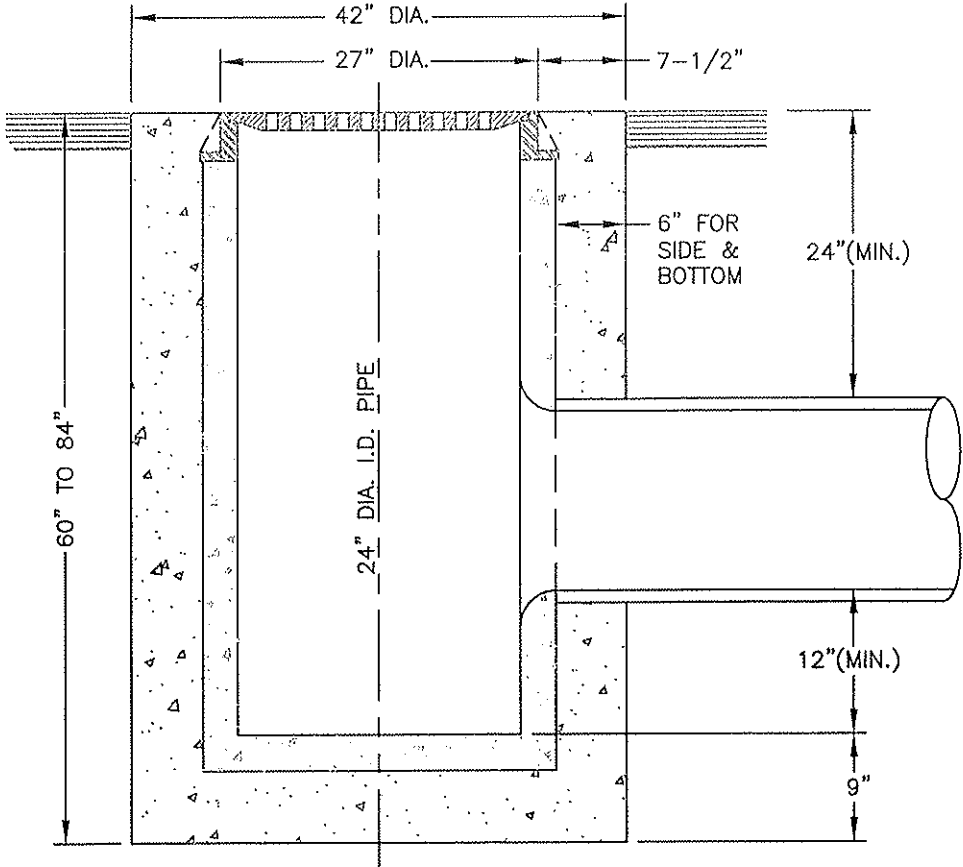
FILE NAME: SD-3rev1.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Callouts	T.S. 4/14/06



TOP



FRAME & COVER
SIDE-VIEW SECTION



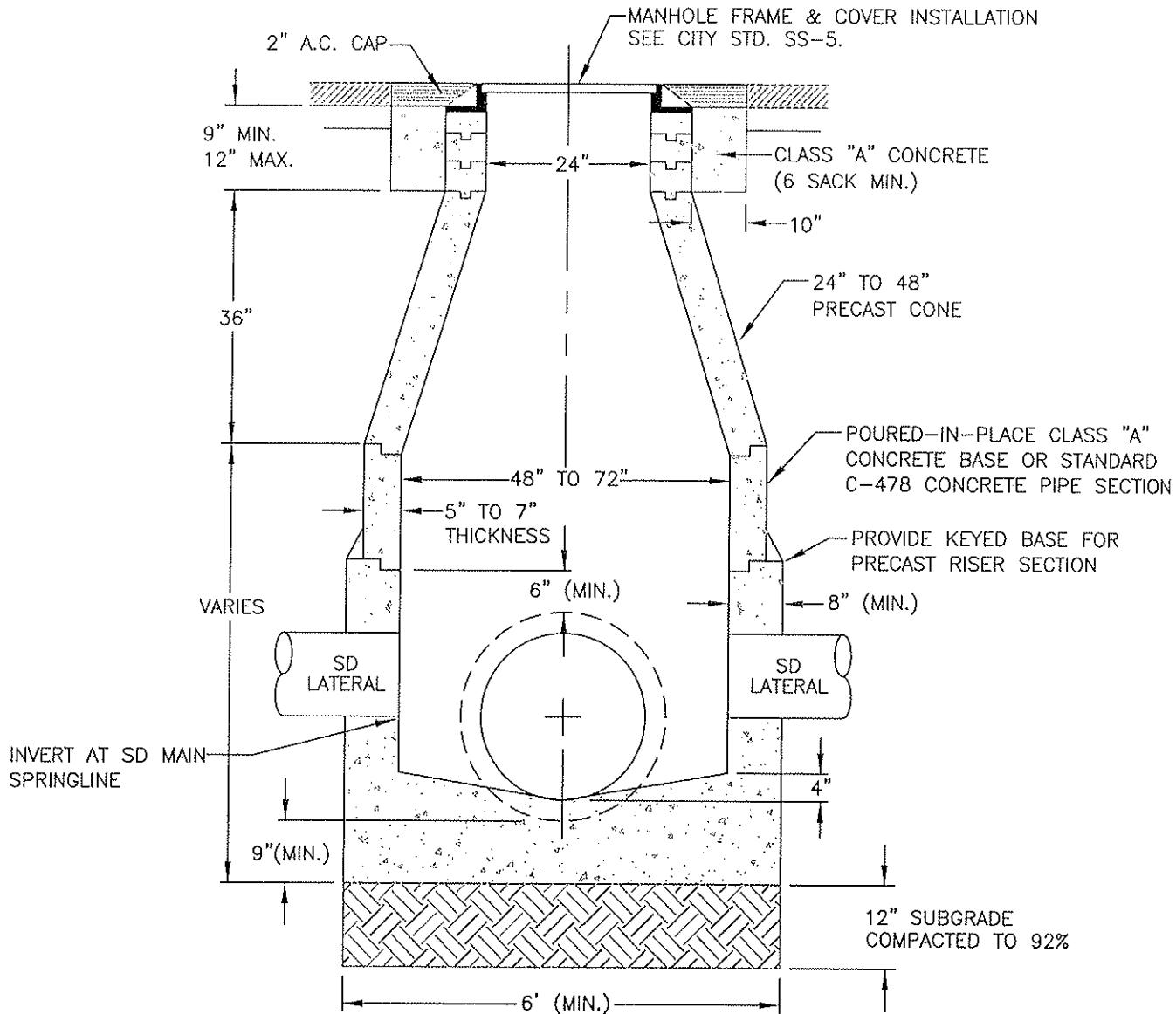
SECTION A-A

NOTES:
1. BY CITY STAFF APPROVAL ONLY.

CITY COUNCIL APPROVAL: 2-27-07
[Signature]
APPROVED BY CITY ENGINEER
[Signature]
APPROVED BY PUBLIC WORKS DIRECTOR

TYPE "D" CATCH BASIN
Standard Flat Grate
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. SD-4	
FILE NAME: SD-4rev1.dwg	Dwn: Vasquez
REVISIONS	BY DATE
Dim	T.S. 4/14/06

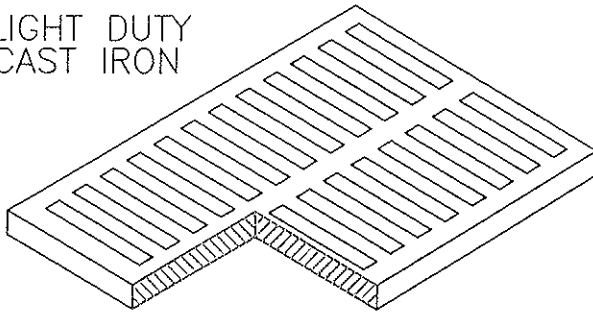


NOTES:

1. ALL CONCRETE SHALL BE CLASS "A" (6 SACK MIN.).
2. CONCRETE CONE AND GRADE RINGS SHALL BE PRECAST REINFORCED AS PER ASTM C-478.
3. GROUT AND BAND ALL PIPE JOINTS. "KENT" SEAL NO. 2 OR APPROVED EQUAL SHALL BE APPLIED BETWEEN EACH JOINT.
4. GROUT MIXTURE SHALL BE 1:2 CEMENT TO SAND.
5. WHERE MANHOLES ARE NOT IN STREETS OR TRAVEL WAYS, PLACE TOP 12" ABOVE EXISTING GROUND WITH A 24" CONCRETE RING UNLESS OTHERWISE SHOWN ON THE PLANS.
6. IF LARGEST PIPE SIZE IS 24" OR LARGER, A 72" DIAMETER MANHOLE IS REQUIRED.
7. WHEN ADJUSTING A MANHOLE, REFER TO CITY STANDARD SS-6.
8. NO FLOODING OR JETTING COMPACTION.
9. MAXIMUM DISTANCE BETWEEN MANHOLES SHALL BE 400'.
10. STORM DRAIN LATERALS 6" AND LARGER CONNECTED TO A MAIN REQUIRE A STORM DRAIN MANHOLE.

CITY COUNCIL APPROVAL: 2-27-07  APPROVED BY CITY ENGINEER	<h2 style="margin: 0;">STORM DRAIN MANHOLE</h2>	DRAWING NO. SD-5						
 APPROVED BY PUBLIC WORKS DIRECTOR	CITY OF DINUBA Public Improvement Standards	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 0.8em;">FILE NAME: SD-5rev1.dwg</td> <td style="font-size: 0.8em;">Dwn: Vasquez</td> </tr> <tr> <td style="font-size: 0.8em;">REVISIONS</td> <td style="font-size: 0.8em;">BY DATE</td> </tr> <tr> <td style="font-size: 0.8em;">Gen Notes, Dims</td> <td style="font-size: 0.8em;">T.S. 4/14/06</td> </tr> </table>	FILE NAME: SD-5rev1.dwg	Dwn: Vasquez	REVISIONS	BY DATE	Gen Notes, Dims	T.S. 4/14/06
FILE NAME: SD-5rev1.dwg	Dwn: Vasquez							
REVISIONS	BY DATE							
Gen Notes, Dims	T.S. 4/14/06							

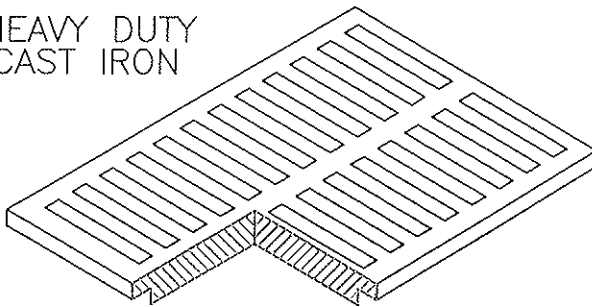
LIGHT DUTY
CAST IRON



CATCH BASIN NO.	I.D. CATCH BASIN	FRAME & GRATE NO.	APPROX. WEIGHT PER SET
U21	2'X2'	71C420	125
U23	2'X2'	71C420	125
U32	2'X3'	71C430	180

48% OPEN FLOW AREA

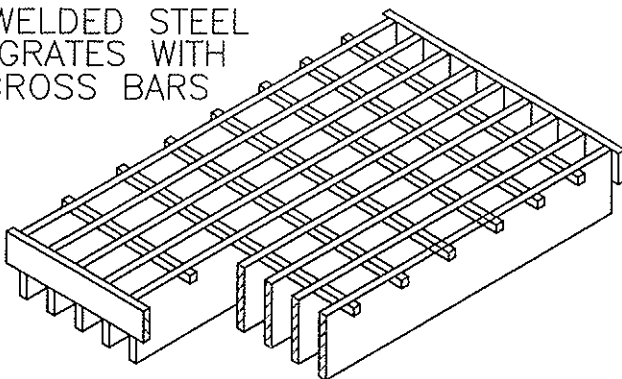
HEAVY DUTY
CAST IRON



CATCH BASIN NO.	I.D. CATCH BASIN	FRAME & GRATE NO.	APPROX. WEIGHT PER SET
U21	2'X2'	71C422	230
U23	2'X2'	71C422	230
U32	2'X3'	71C432	180

41% OPEN FLOW AREA

WELDED STEEL
GRATES WITH
CROSS BARS



CATCH BASIN NO.	I.D. CATCH BASIN	FRAME & GRATE NO.	APPROX. WEIGHT PER SET
U21	2'X2'	71W422	165
U23	2'X2'	71W422	165
U32	2'X3'	71W432	195
U36	2'X4'	71C442	270
U43	3'X3'	71C452	295
U52	3'X4'	71C462	390 2PC.

77% OPEN FLOW AREA

CITY COUNCIL APPROVAL: 2-27-07

Don K. Uto
APPROVED BY CITY ENGINEER

Janice Keenan
APPROVED BY PUBLIC WORKS DIRECTOR

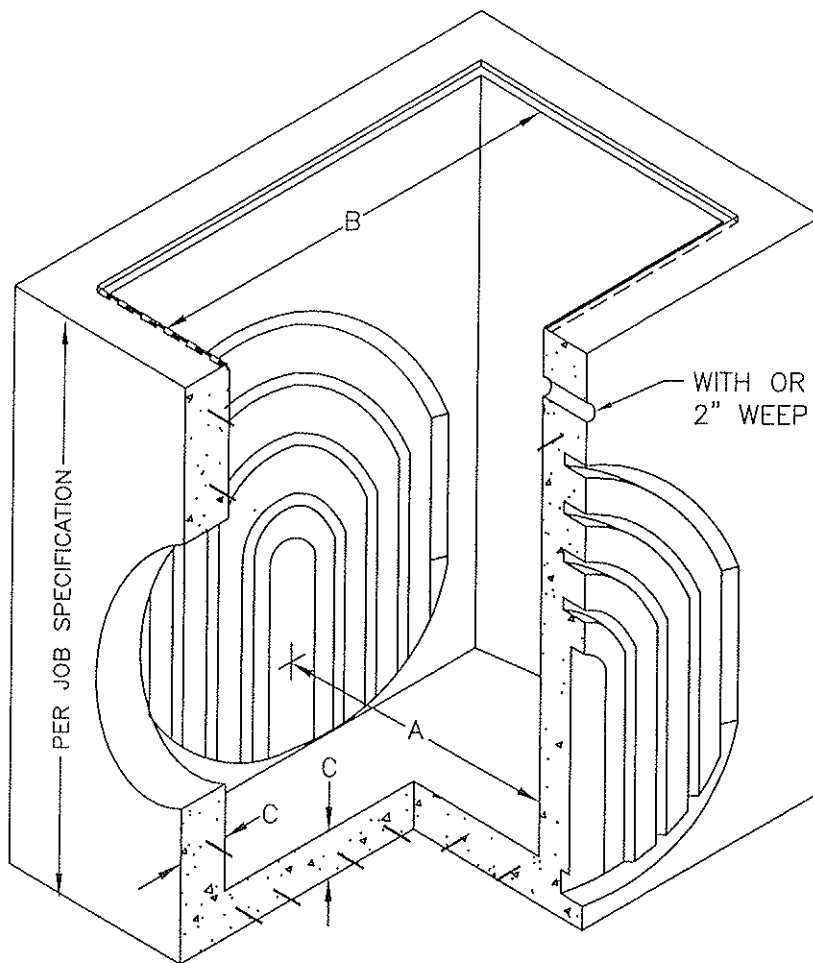
CATCH BASIN GRATES

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **SD-6**

FILE NAME: SD-6rev1.dwg Dwn: Vasquez

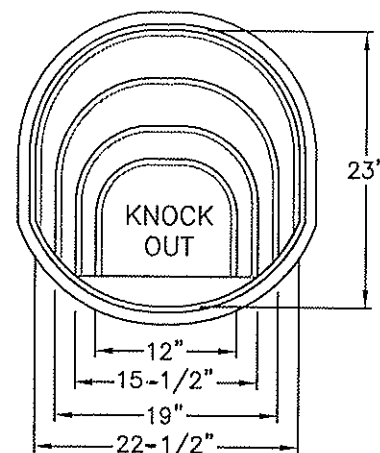
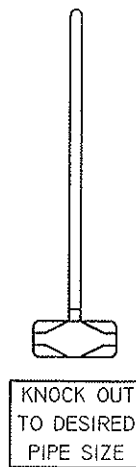
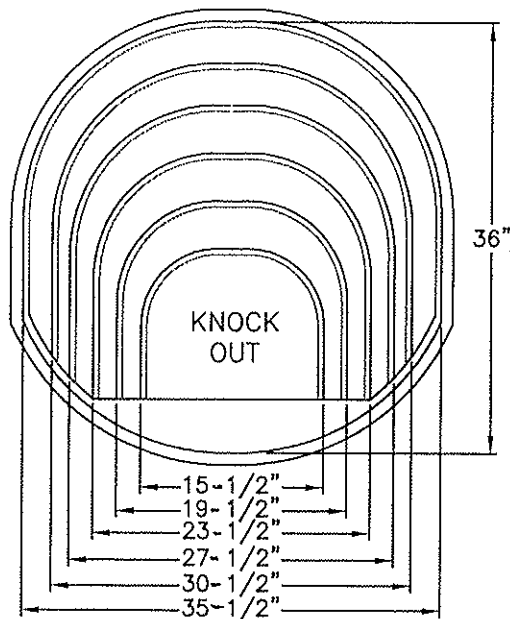
REVISIONS	BY	DATE
Gen Notes	T.S.	4/14/06



PRODUCT NUMBER	DIMENSIONS		
	A	B	C
U21	2'	2'	4"
U23	2'	2'	6"
U32	2'	3'	6"
U36	2'	4'	5"
U43	3'	3'	6"
U52	3'	4'	6"

NOTES:

1. STANDARD GRADE RINGS ARE AVAILABLE IN 6" INCREMENTS UP TO 4' HIGH.
2. CUSTOMER SPECIFIED TOP EDGE CHOICES CAST INTO CATCH BASIN OR GRADE RINGS, SEE CITY STD. SD-8



CITY COUNCIL APPROVAL: 2-27-07

Don K. Asth
APPROVED BY CITY ENGINEER

James Sutton
APPROVED BY PUBLIC WORKS DIRECTOR

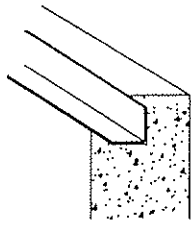
"CHRISTY" U SERIES CATCH BASINS

CITY OF DINUBA
Public Improvement Standards

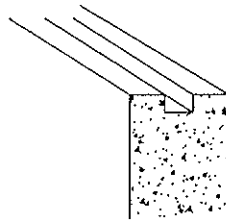
DRAWING NO. **SD-7**

FILE NAME: SD-7rev1.dwg | Dwn: Vasquez

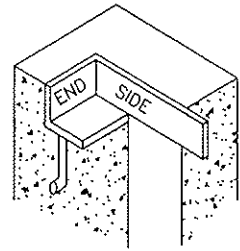
REVISIONS	BY	DATE
Gen Notes	T.S.	4/14/06



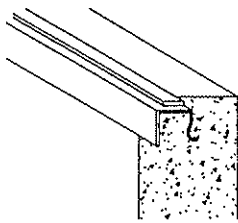
CAST-IN GALVANIZED FRAME
FOR GRATES
1-1/2" X 1-1/2" ANGLE IRON
WITH ANCHOR BOLTS



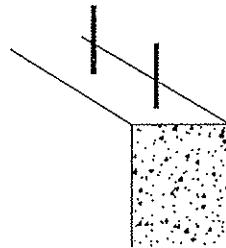
GROOVED TO RECEIVED TONGUE OF
GRADE RINGS, CURB INLETS, ETC.



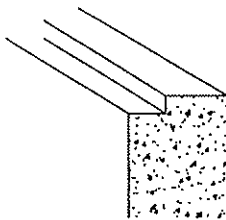
CAST-IN GALVANIZED FRAME
FOR STATE TYPE GRATES
4"X3"X1/4" ANGLE IRON ENDS
WITH ANCHOR BOLTS
3-1/2" X 1/4" SIDE BARS



CAST-IN GALVANIZED FRAME
FOR 1/4" STEEL LIDS
WITH BOLT DOWN PROVISIONS



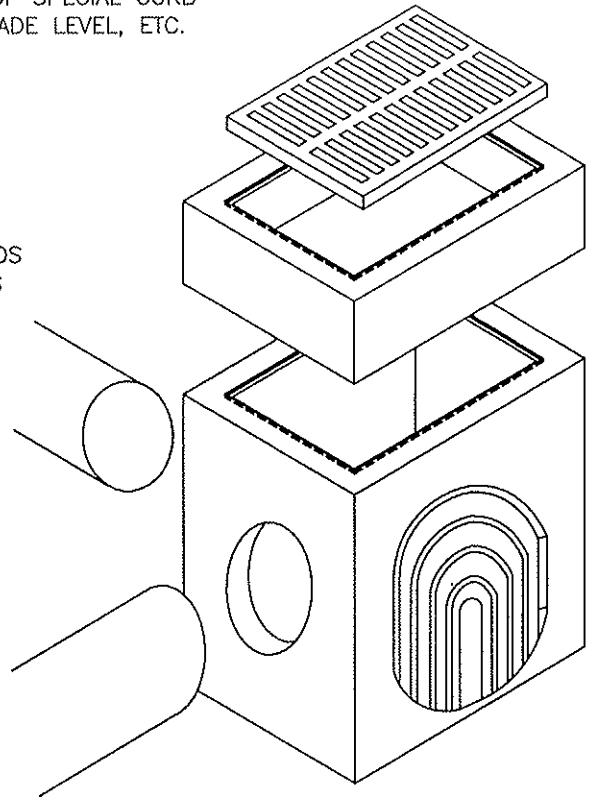
6" EXPOSED REBAR TO ALLOW JOB
SITE POURING OF SPECIAL CURB
SHAPES AT GRADE LEVEL, ETC.



RECESSED FOR 1/4" STEEL LIDS
WITH BOLT DOWN PROVISIONS

NOTES

1. OPENINGS, LOCATIONS AND SIZES TO JOB SPECIFICATIONS
2. WITH OR WITHOUT BOTTOM.
3. PROGRESSIVE WEBBED KNOCK-OUTS PROVIDE MAXIMUM FLEXIBILITY PERMITTING PIPE OF ANY SIZE TO BE NEATLY AND QUICKLY GROUTED IN AT JOB SITE.
4. STANDARD TONGUE AND GROOVE GRADE RINGS ARE AVAILABLE IN 6" INCREMENTS UP TO 4' HIGH.
5. ALL REINFORCING STEEL MEETS ASTM SPECIFICATIONS AS REQUIRED.
6. CITY APPROVAL REQUIRED FOR APPLICATION.



CITY COUNCIL APPROVAL: 2-27-07

Rene K. Urto
APPROVED BY CITY ENGINEER

James K. Kestran
APPROVED BY PUBLIC WORKS DIRECTOR

TOP EDGE CHOICES FOR
CATCH BASIN AND/OR GRATE RING

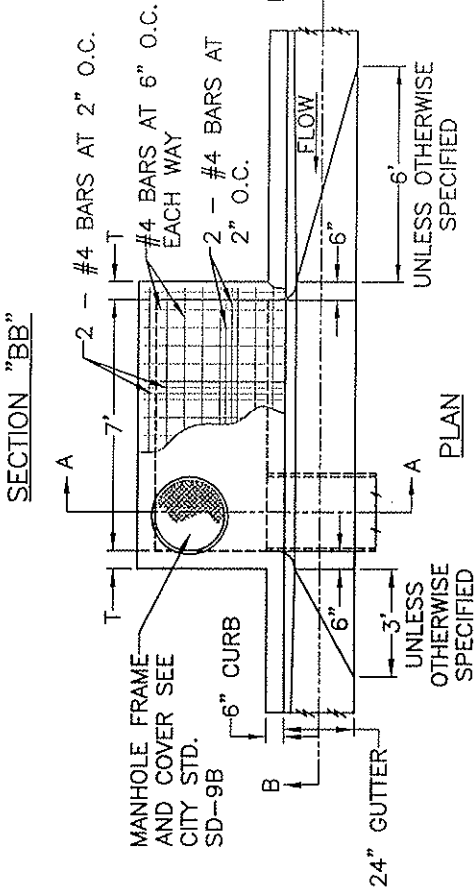
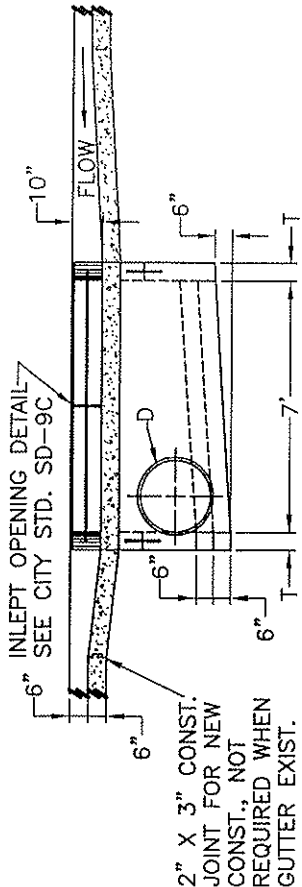
CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

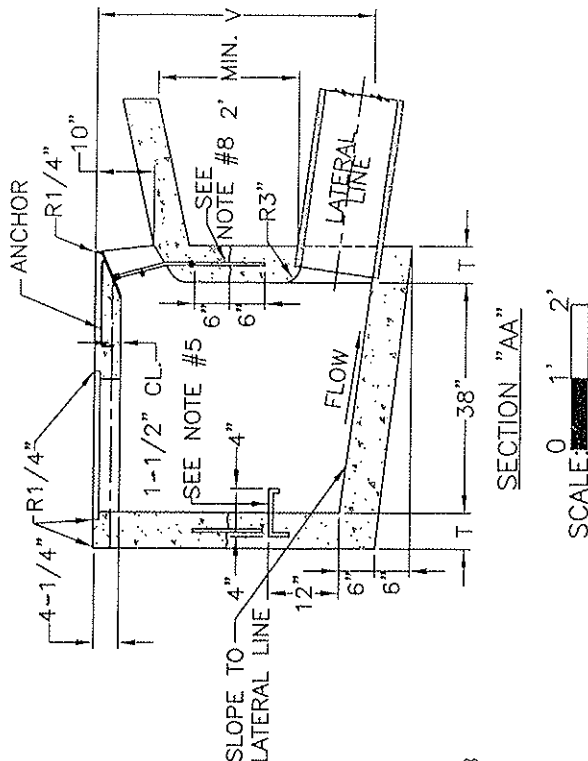
SD-8

FILE NAME: SD-8rev1.dwg | Dwn: Vasquez

REVISIONS	BY	DATE
Gen Notes	T.S.	4/14/06



- NOTES:
- DIMENSIONS UNLESS OTHERWISE SPECIFIED. V = SHALL BE SHOWN ON THE PLANS. T = 6 INCHES IF V IS 4 INCHES OR LESS. T = 8 INCHES IF V IS LESS THAN 8 FEET AND MORE THAN 4 FEET. D = 10 INCHES IF V IS 8 FEET OR MORE. D = 24 INCHES UNLESS OTHERWISE SPECIFIED.
 - STRUCTURAL CONCRETE SHALL BE CLASS "A" P.C.C. (6 SACK).
 - THE REINFORCING STEEL SHALL BE NUMBER 4 DEFORMED BARS. CLEARANCE SHALL BE 1-1/2 INCH FROM THE BOTTOM OF THE SLAB
 - THE SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM TO SLOPE, GRADE, COLOR, FINISH, AND SCORING IN THE EXISTING OR PROPOSED CURB AND WALK ADJACENT TO THE INLET. THE INLET FLOOR SHALL BE GIVEN A TIGHT WOOD FLOAT FINISH. CURVATURE OF THE LIP AND SIDEWALLS AT THE GUTTER OPENING SHALL NOT BE MADE BY PLASTERING. THE OUTLET PIPE SHALL BE TRIMMED TO FINAL SHAPE AND LENGTH BEFORE THE CONCRETE IS POURED.

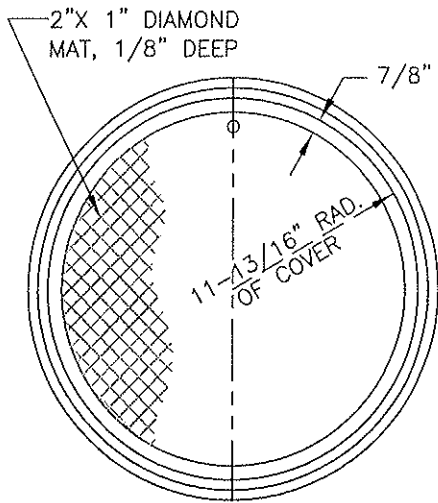


- STEPS:
- 3/4 INCH PLAIN ROUND GALVANIZED STEEL STEPS SHALL BE INSTALLED 16 INCHES APART WHEN V EXCEEDS 4 FEET-6 INCHES. THE TOP STEP SHALL BE 6 INCHES BELOW THE TOP SURFACE AND SHALL BE 2-1/2 INCHES CLEAR FROM THE WALL. ALL OTHER STEPS SHALL BE 4 INCHES CLEAR FROM THE WALL. ONLY ONE STEP 12 INCHES FROM THE BOTTOM, SHALL BE INSTALLED IF V IS 4 FEET-6 INCHES OR LESS. ALL STEPS SHALL BE ANCHORED NOT LESS THAN 4 INCHES INTO THE WALL OF THE INLET. CURB, GUTTER, AND LOCAL DEPRESSIONS SHALL BE CLASS "A" OR CLASS "B" CONCRETE
 - CURB AND GUTTER SHALL BE CONSTRUCTED OR RECONSTRUCTED ON EACH SIDE OF THE BOX AS INDICATED ON THE PLANS, AND COST THEREOF SHALL BE INCLUDED IN PRICE OF INLET.
 - IF INLET IS CONSTRUCTED IN A TWO STAGE POUR, PROVIDE A ROUGHENED CONSTRUCTION JOINT AND PLACE ONE NUMBER 4 BAR 12 INCHES LONG IN EACH OF THE FOUR WALLS, AS SHOWN.

CITY COUNCIL APPROVAL: 2-27-07
 Approved by City Engineer
 Approved by Public Works Director

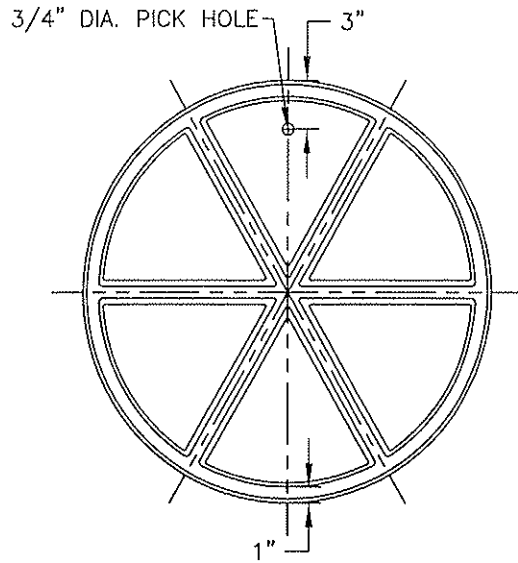
TYPE "E" CATCH BASIN
 7 ft. CURB INLET
 CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. SD-9a	
FILE NAME: SD-9a.dwg	Dwn: Lubong
REVISIONS	BY DATE



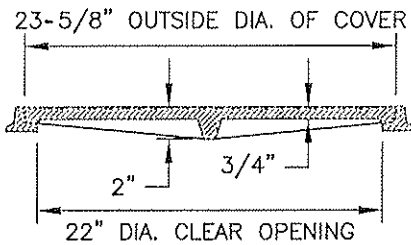
TOP OF MANHOLE FRAME & COVER
TOTAL WT. = 130 LBS.

SCALE: 0 6" 12"



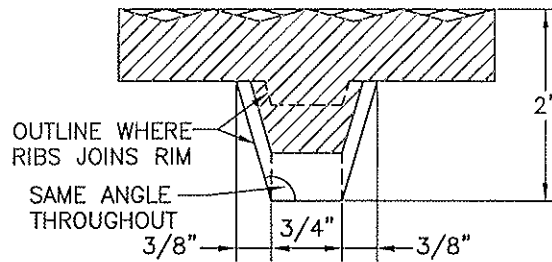
BOTTOM OF MANHOLE COVER

SCALE: 0 6" 12"



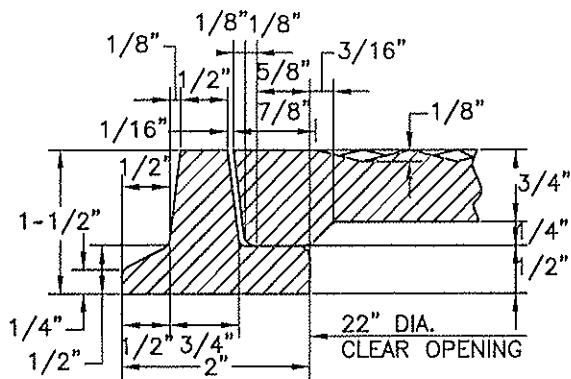
CROSS SECTION THRU FRAME & COVER

SCALE: 0 6" 12"



CROSS SECTION THRU RIB AT MID RADIUS

SCALE: 0 1" 2"



CROSS SECTION THRU RIM

SCALE: 0 1" 2"

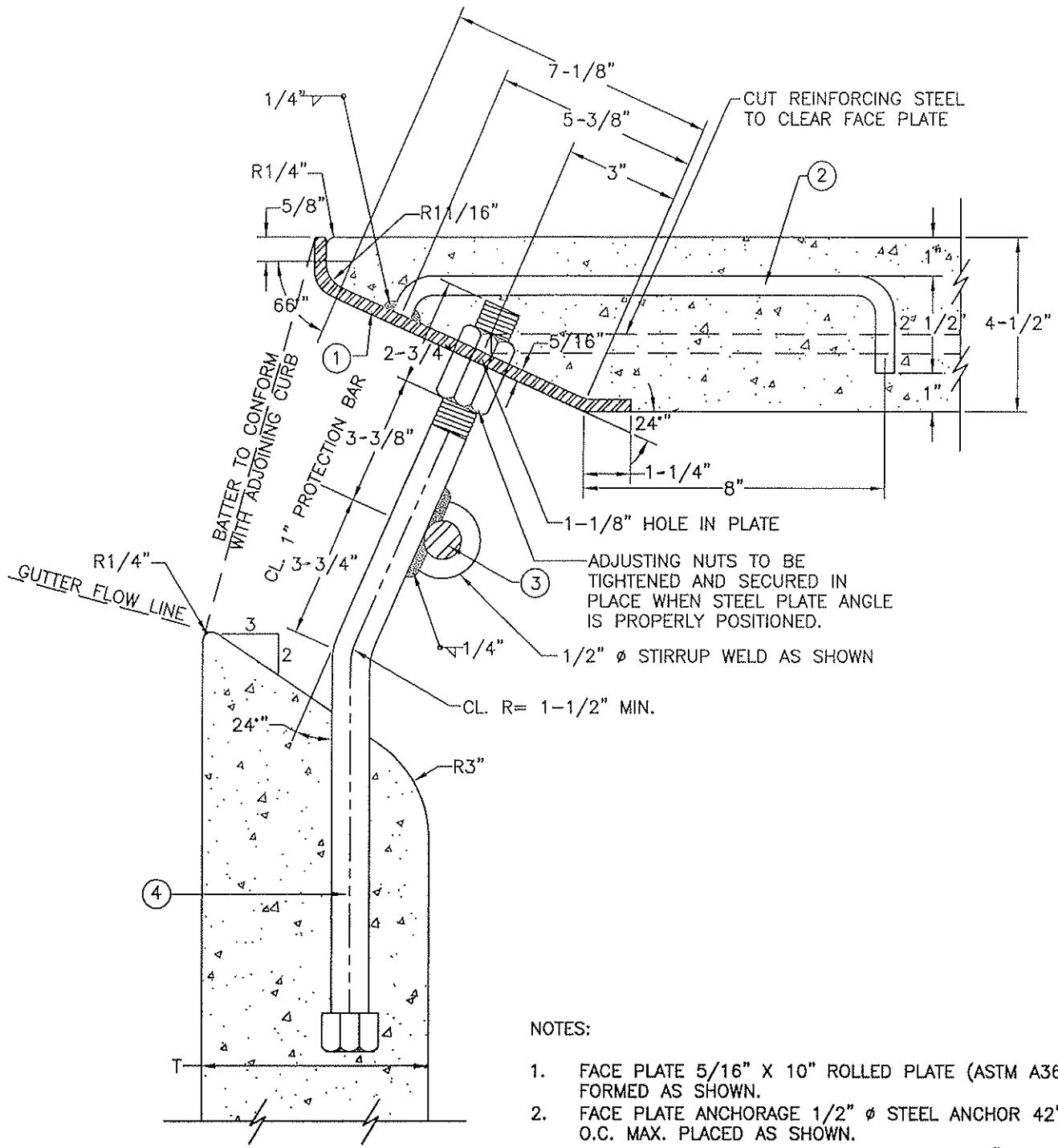
NOTES:

1. FRAME AND COVER SHALL BE GRAY CAST IRON CONFORMING TO THE LATEST A.S.T.M. STANDARD A 48, CLASS 30 OR BETTER GALVANIZE PER A.S.T.M. A385.

CITY COUNCIL APPROVAL: 2-27-07
Approved by City Engineer
 APPROVED BY CITY ENGINEER
Approved by Public Works Director
 APPROVED BY PUBLIC WORKS DIRECTOR

**MANHOLE FRAME AND COVER
 FOR TYPE "E" INLET**
 CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. SD-9b	
FILE NAME: SD-9B.dwg	Dwn: Lubong
REVISIONS	BY DATE



SCALE: 0" 2" 4"

NOTES:

1. FACE PLATE 5/16" X 10" ROLLED PLATE (ASTM A36) FORMED AS SHOWN.
2. FACE PLATE ANCHORAGE 1/2" Ø STEEL ANCHOR 42" O.C. MAX. PLACED AS SHOWN.
3. PROTECTION BAR PLAIN ROUND STEEL BAR 1" DIA. SHALL BE INSTALLED, BAR SHALL BE EMBEDDED 5 INCHES AT EACH END.
4. SUPPORT BAR 1" INCH DIA. X 20" LONG WITH SQ. HEAD AND HEX. NUTS, BEND AS SHOWN AND PLACE AT CENTER OF INLET OPENING.
5. ALL EXPOSED METAL PARTS SHALL BE GALVANIZED.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Ute
APPROVED BY CITY ENGINEER

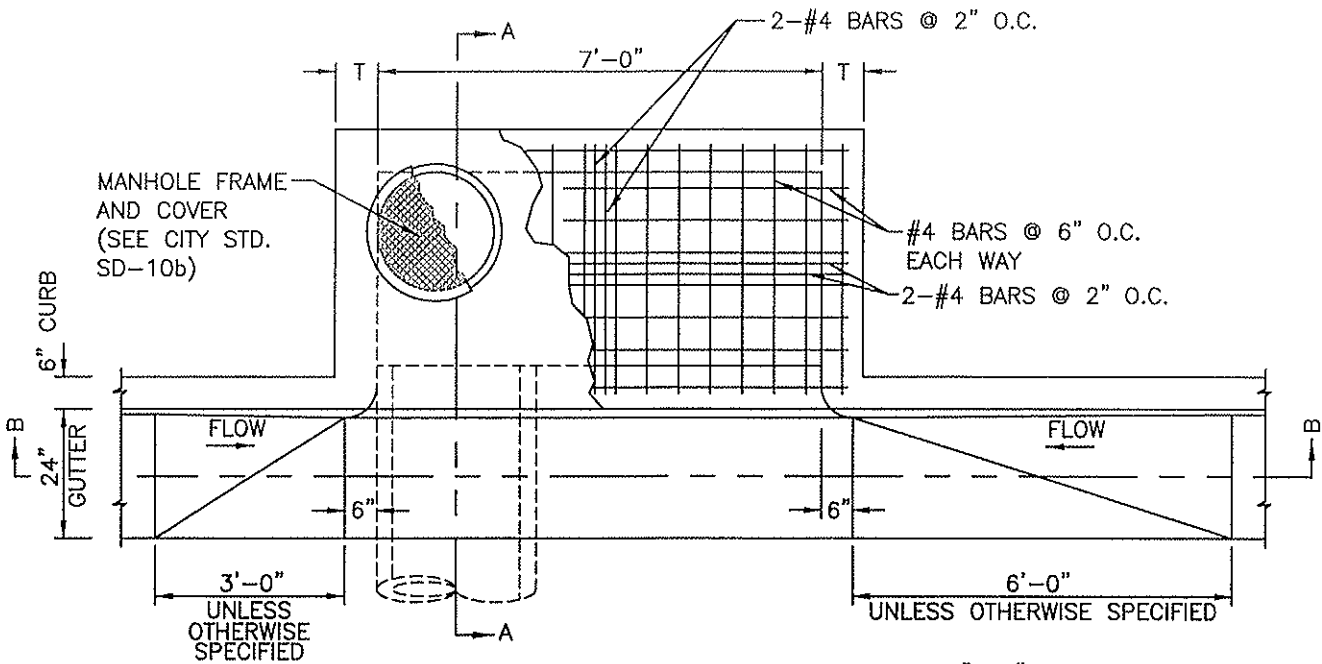
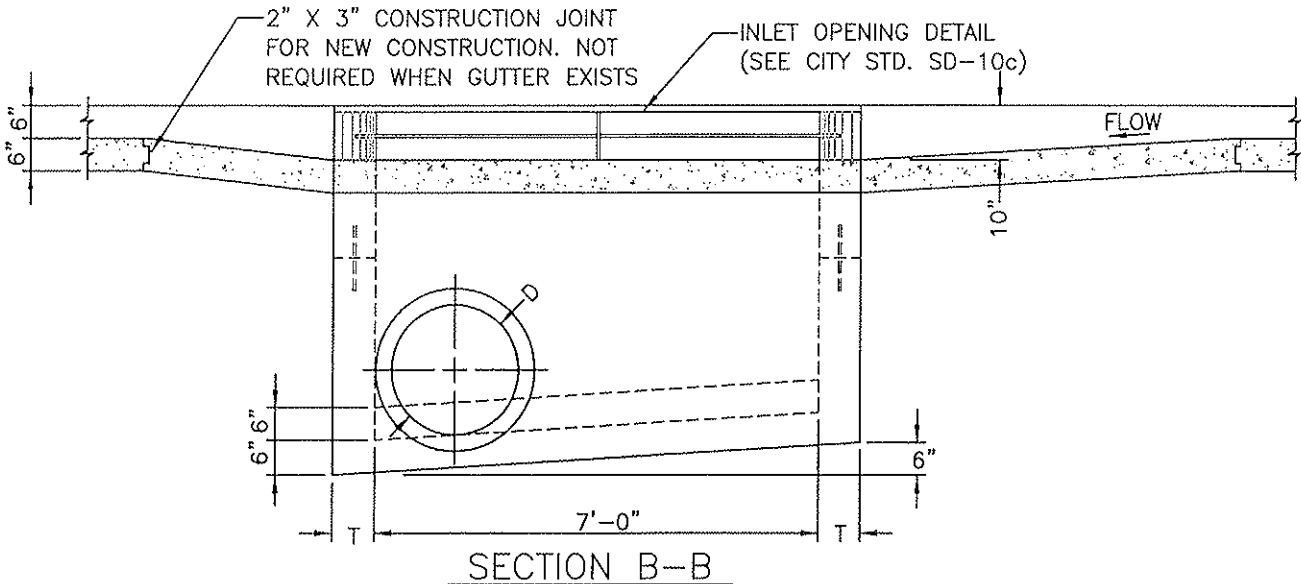
James Sutton
APPROVED BY PUBLIC WORKS DIRECTOR

DETAIL OF TYPE "E"
INLET OPENING

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. SD-9c

FILE NAME: SD-9c.dwg	Dwn: Lubong
REVISIONS	BY DATE



NOTE: FOR SECTION "A-A" SEE CITY STD. SD-10a

CITY COUNCIL APPROVAL: 2-27-07

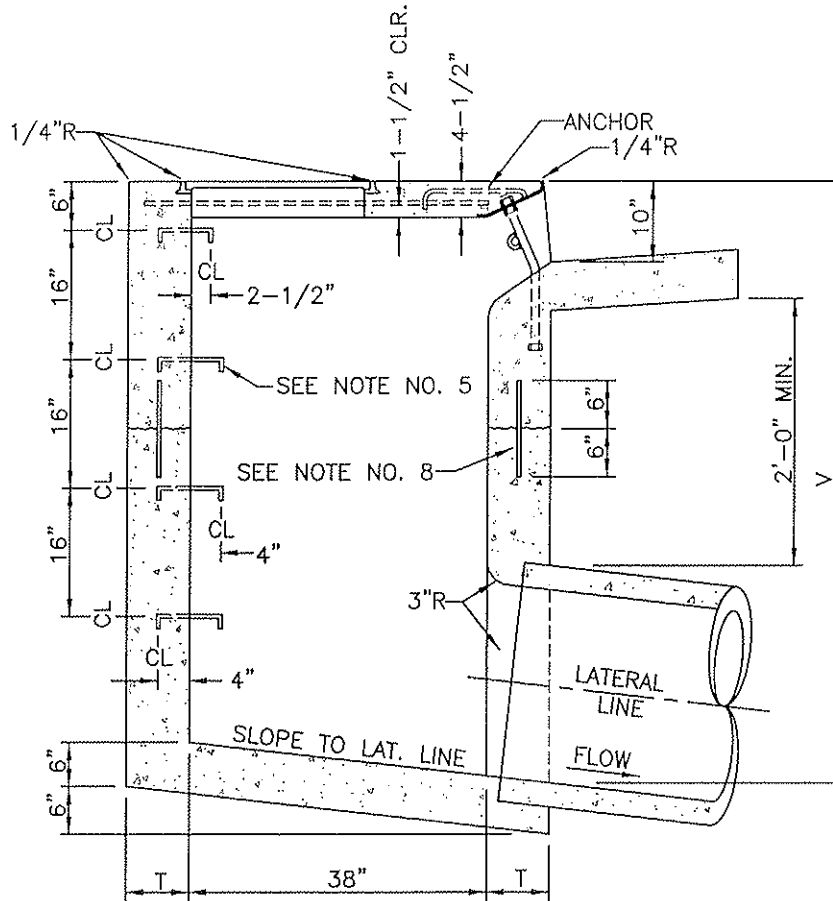
Don K. Uth
APPROVED BY CITY ENGINEER

Shana Section
APPROVED BY PUBLIC WORKS DIRECTOR

TYPE "G" INLET (page 1 of 2)

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. SD-10	
FILE NAME: SD-10.dwg	Dwn: T. Simpson
REVISIONS	BY DATE



SECTION A-A

NOTES:

1. DIMENSIONS: UNLESS OTHERWISE SPECIFIED
 V=SHALL BE SHOWN ON THE PLANS
 T=6" IF V IS 4' OR LESS.
 T=8" IF V IS LESS THAN 8' AND MORE THAN 4'.
 T=10" IF V IS 8' OR MORE.
 D=24" UNLESS OTHERWISE SPECIFIED.
2. STRUCTURAL CONCRETE SHALL BE CLASS "A" (6 SACK MIN.).
3. THE REINFORCING STEEL SHALL BE #4 DEFORMED BARS. CLEARANCE SHALL BE 1-1/2" FROM THE BOTTOM OF THE SLAB.
4. THE SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM TO SLOPE, GRADE, COLOR, FINISH AND SCORING IN THE EXISTING OR PROPOSED CURB AND WALK ADJACENT TO THE INLET. THE INLET FLOOR SHALL BE GIVEN A TIGHT WOOD FLOAT FINISH. CURVATURE OF THE LIP AND SIDEWALLS AT THE GUTTER OPENING SHALL NOT BE MADE BY PLASTERING. THE OUTLET PIPE SHALL BE TRIMMED TO FINAL SHAPE AND LENGTH BEFORE THE CONCRETE IS POURED.
5. STEPS: 3/4" PLAIN ROUND GALVANIZED STEEL STEPS SHALL BE INSTALLED 16" APART WHEN V EXCEEDS 4'-6". THE TOP STEP SHALL BE 6" BELOW THE TOP SURFACE AND SHALL BE 2-1/2" CLEAR FROM THE WALL. ALL OTHER STEPS SHALL BE 4" CLEAR FROM THE WALL. ONLY ONE STEP 12" FROM THE BOTTOM SHALL BE INSTALLED IF V IS 4'-6" OR LESS. ALL STEPS SHALL BE ANCHORED NOT LESS THAN 4" INTO THE WALL OF THE INLET.
6. CURB, GUTTER AND LOCAL DEPRESSIONS SHALL BE CLASS "A" OR CLASS "B" CONCRETE.
7. CURB AND GUTTER SHALL BE CONSTRUCTED OR RECONSTRUCTED ON EACH SIDE OF BOX AS INDICATED ON THE PLANS, AND COST THEREOF SHALL BE INCLUDED IN PRICE OF INLET.
8. IF INLET IS CONSTRUCTED IN A TWO STAGE POUR, PROVIDE A ROUGHENED CONSTRUCTION JOINT AND PLACE 1-#4 BAR 12" LONG IN EACH OF THE FOUR WALLS, AS SHOWN.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Uto
 APPROVED BY CITY ENGINEER

Barbara K. Burton
 APPROVED BY PUBLIC WORKS DIRECTOR

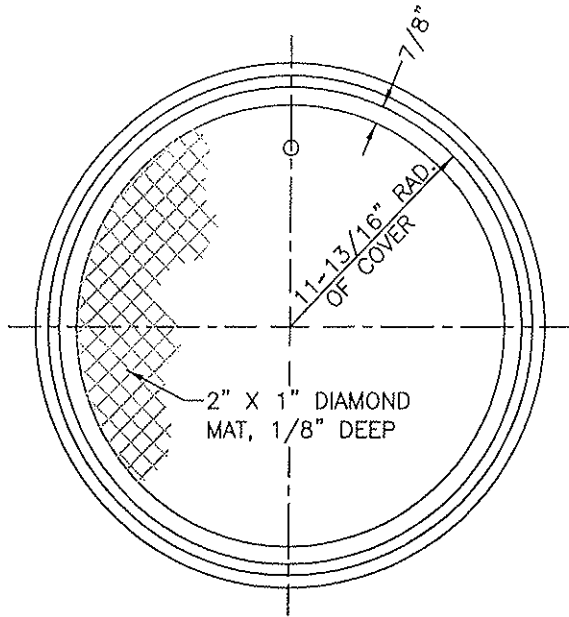
TYPE "G" INLET (page 2 of 2)

CITY OF DINUBA
 Public Improvement Standards

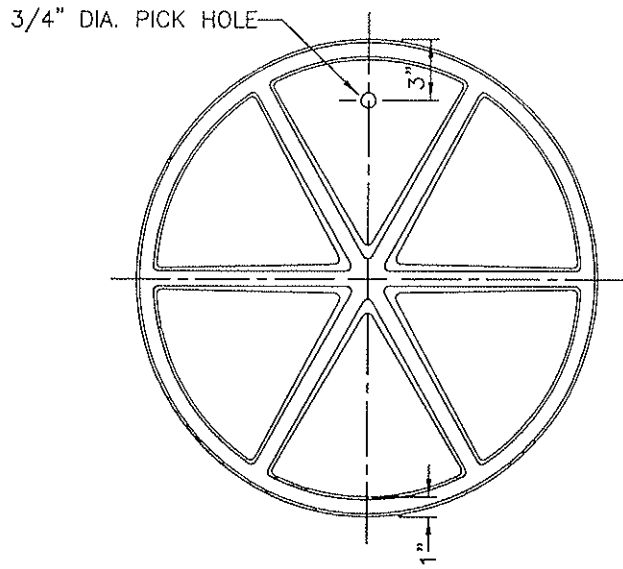
DRAWING NO. SD-10a

FILE NAME: SD-10a.dwg Dwn: T. Simpson

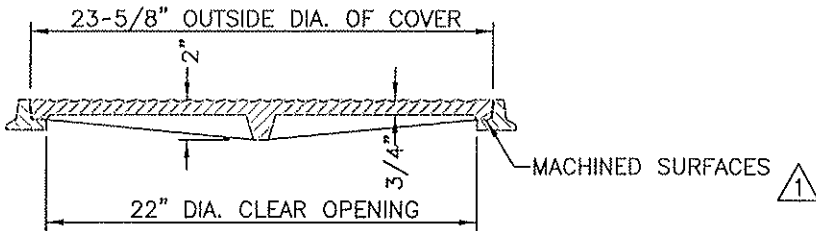
REVISIONS	BY	DATE



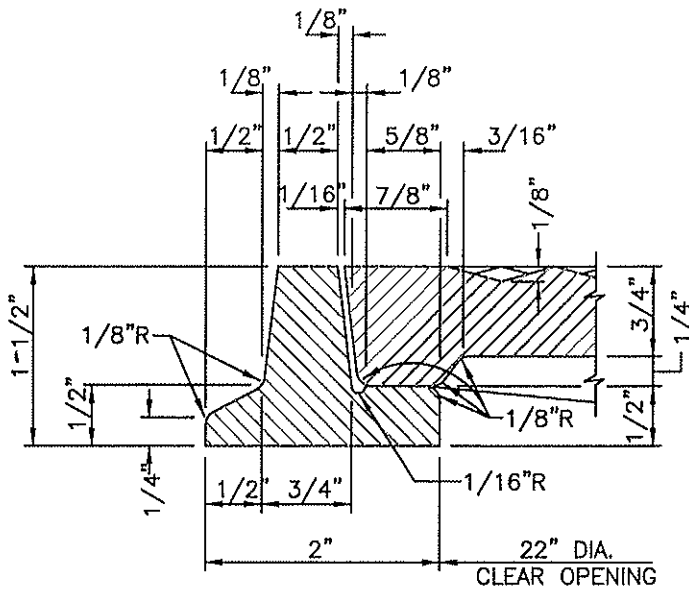
TOP OF MANHOLE FRAME & COVER
TOTAL WT.=130 LBS.



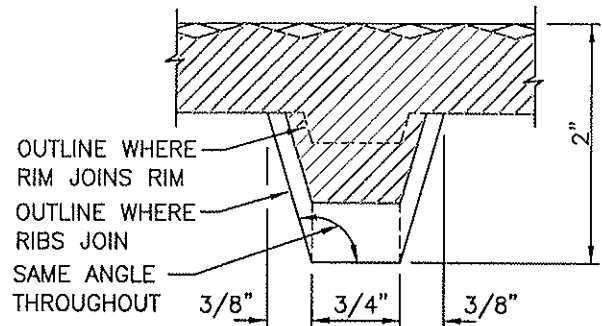
BOTTOM OF MANHOLE COVER



CROSS SECTION THRU FRAME & COVER



CROSS SECTION THRU RIM



CROSS SECTION THRU RIM
AT MID RADIUS

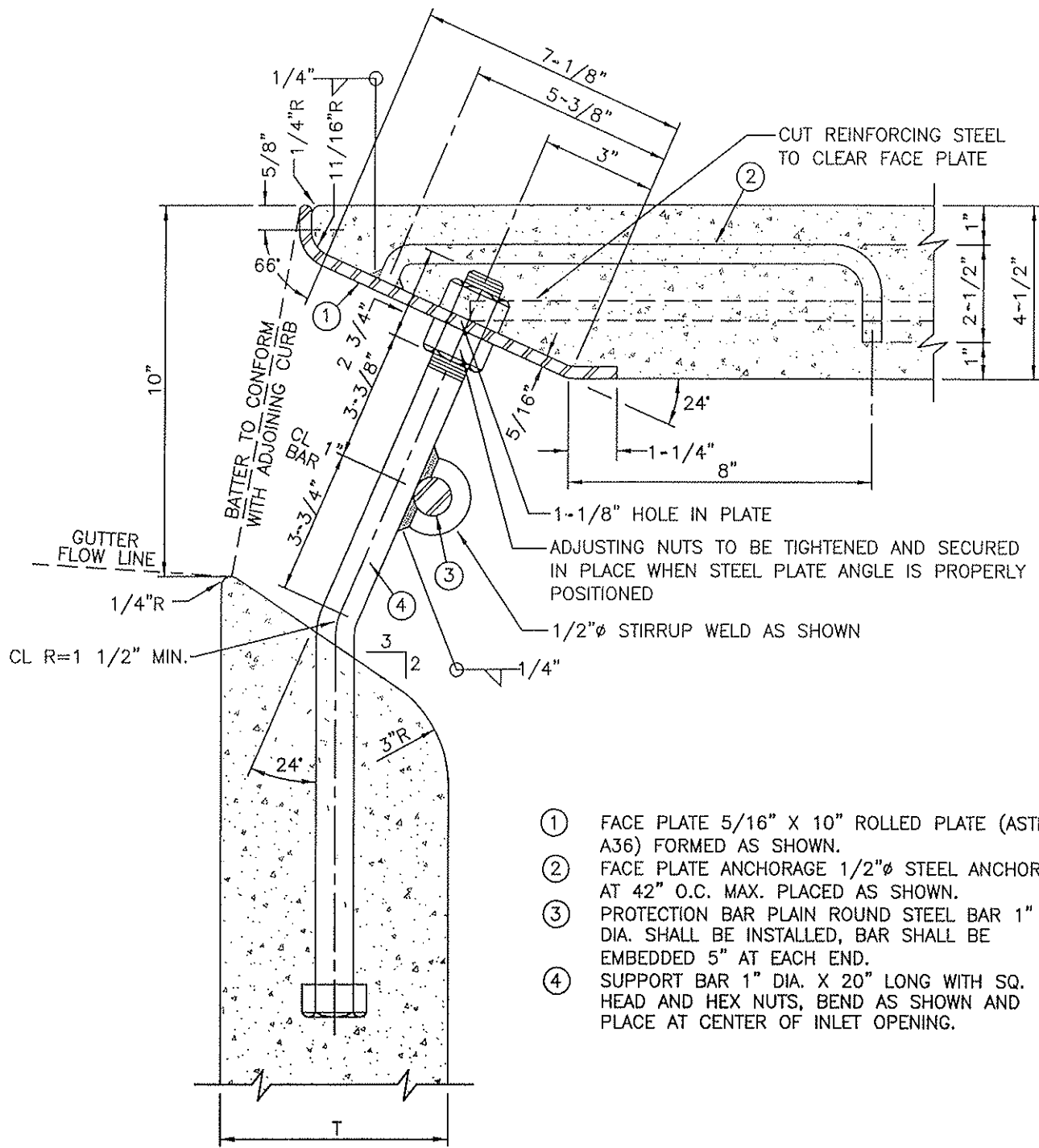
NOTE:
1. FRAME AND COVER SHALL BE GRAY CAST IRON CONFORMING TO THE LATEST A.S.T.M. STANDARD A 48, CLASS 30 OR BETTER GALVANIZE PER A.S.T.M. A385.

CITY COUNCIL APPROVAL: 2-27-07
Dean K. Costa
APPROVED BY CITY ENGINEER
Doreen Kuttan
APPROVED BY PUBLIC WORKS DIRECTOR

**MANHOLE FRAME AND COVER
FOR TYPE "G" INLET**

**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO.	SD-10b	
FILE NAME: SD-10b.dwg	Dwn: T. Simpson	
REVISIONS	BY	DATE



- ① FACE PLATE 5/16" X 10" ROLLED PLATE (ASTM A36) FORMED AS SHOWN.
- ② FACE PLATE ANCHORAGE 1/2"Ø STEEL ANCHOR AT 42" O.C. MAX. PLACED AS SHOWN.
- ③ PROTECTION BAR PLAIN ROUND STEEL BAR 1" DIA. SHALL BE INSTALLED, BAR SHALL BE EMBEDDED 5" AT EACH END.
- ④ SUPPORT BAR 1" DIA. X 20" LONG WITH SQ. HEAD AND HEX NUTS, BEND AS SHOWN AND PLACE AT CENTER OF INLET OPENING.

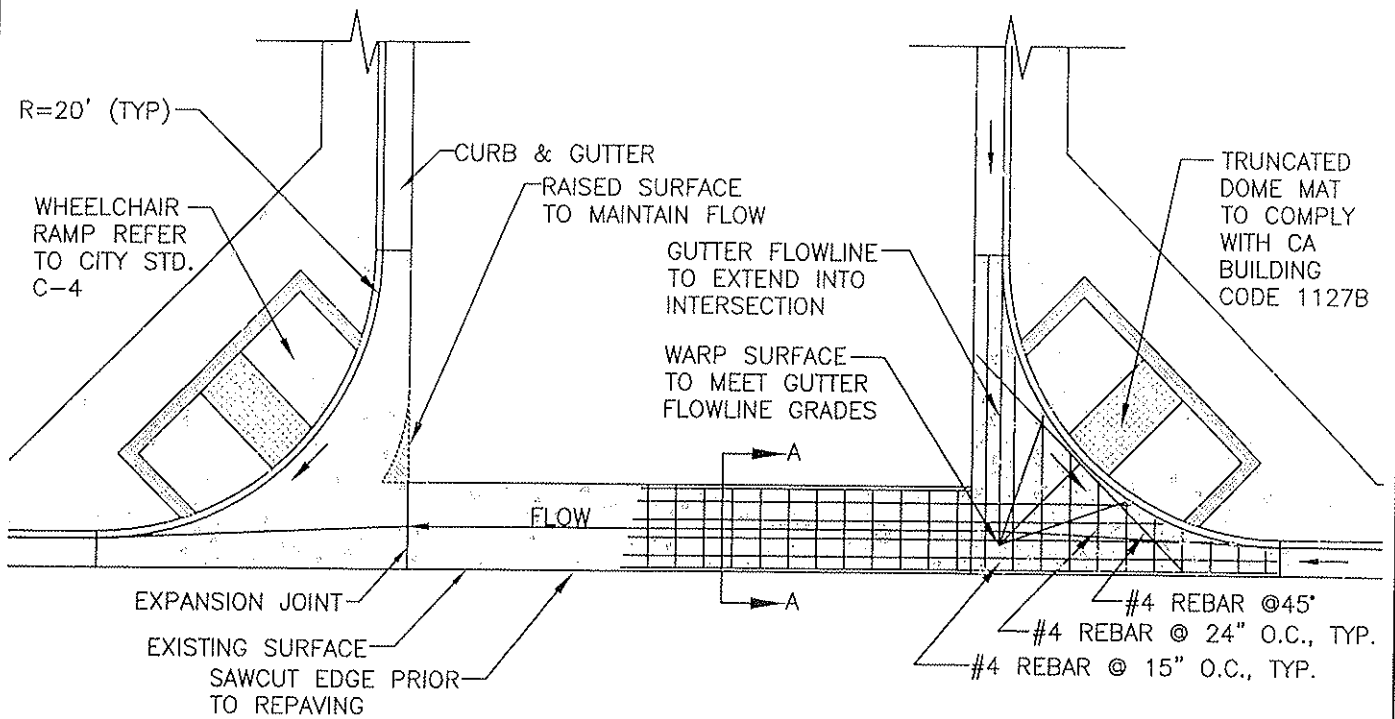
NOTE:
 1. ALL EXPOSED METAL PARTS SHALL BE GALVANIZED.

CITY COUNCIL APPROVAL: 2-27-07
Adam K. Upton
 APPROVED BY CITY ENGINEER
Dan R. Ketter
 APPROVED BY PUBLIC WORKS DIRECTOR

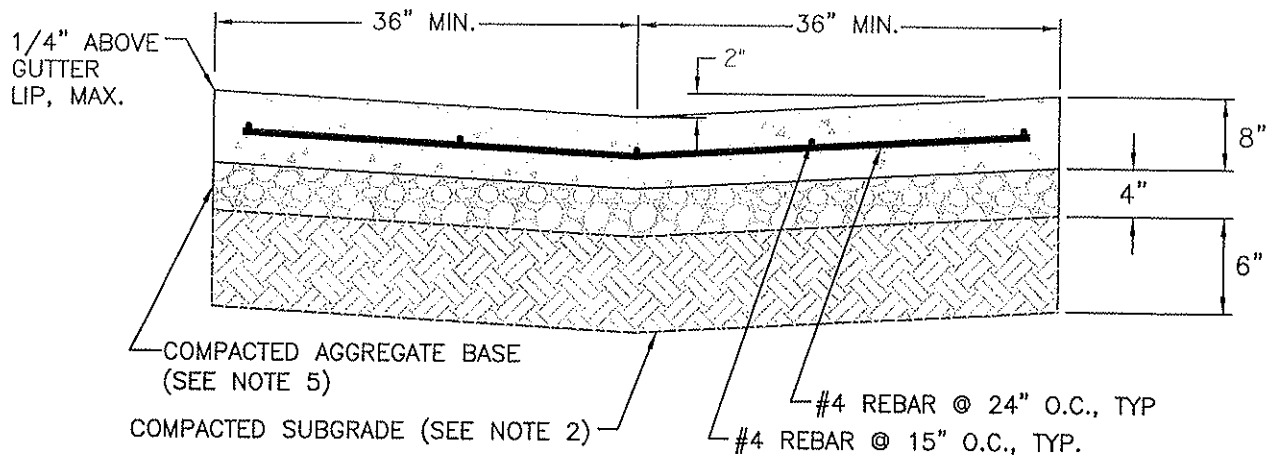
**DETAIL OF TYPE "G"
 INLET OPENING**

**CITY OF DINUBA
 Public Improvement Standards**

DRAWING NO. SD-10c	
FILE NAME: SD-10c.dwg	Dwn: T. Simpson
REVISIONS	BY DATE



PLAN VIEW

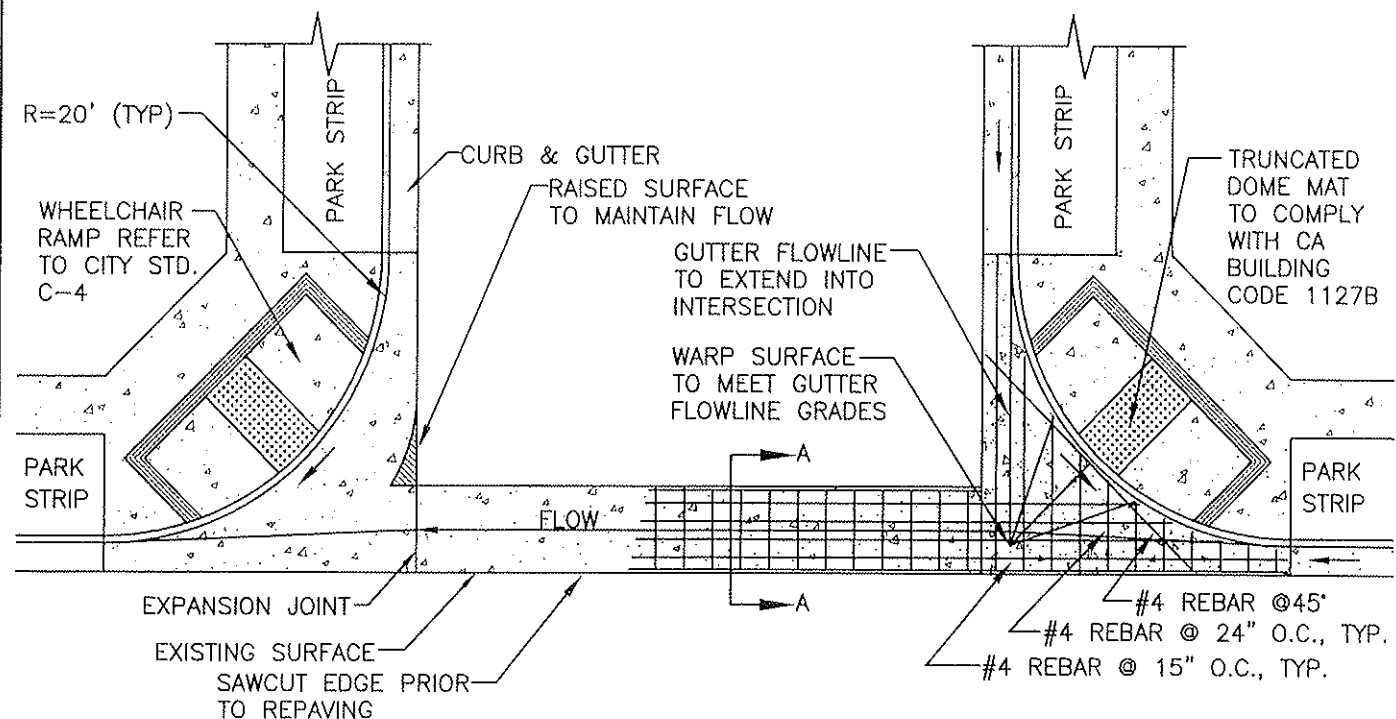


SECTION A-A

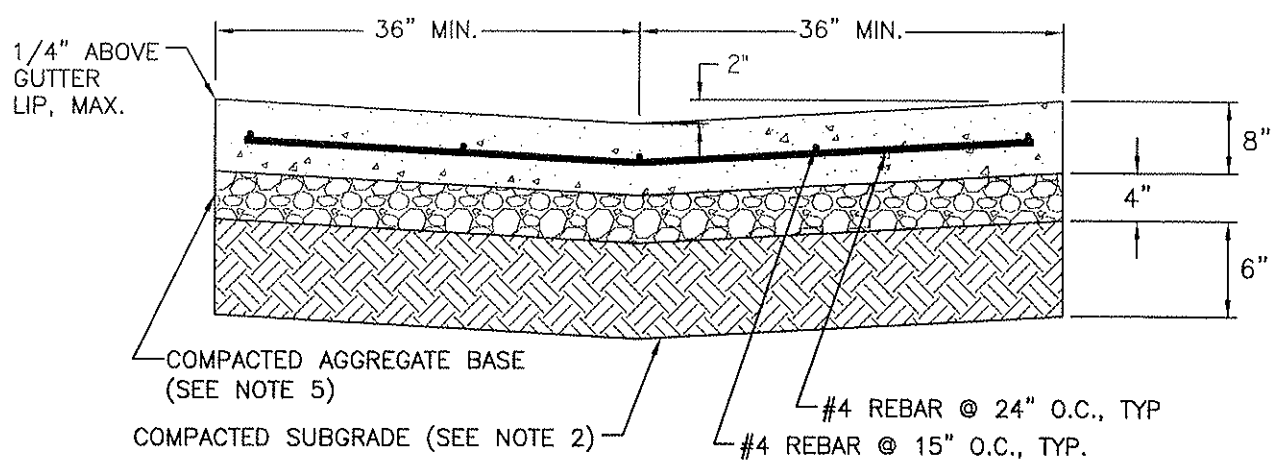
NOTES:

1. MATERIAL SHALL BE CLASS "A" CONCRETE (6 SACK MINIMUM).
2. COMPACT SUBGRADE TO 95% RELATIVE COMPACTION, PER ASTM D1557.
3. WIDER CROSS GUTTER MAY BE REQUIRED.
4. THE VALLEY GUTTER SHALL HAVE A MINIMUM SLOPE OF 0.0030 IN THE DIRECTION OF FLOW.
5. BASE SHALL BE 4 INCHES CLII AGGREGATE BASE, TO 95% RELATIVE COMPACTION PER ASTM D1557.

CITY COUNCIL APPROVAL: 2-27-07		VALLEY GUTTER CITY OF DINUBA Public Improvement Standards		DRAWING NO. C-1	
<i>Paul K. Usto</i> APPROVED BY CITY ENGINEER				FILE NAME: C-1.dwg	Dwn: C.Tamez
<i>Glenn G. Sutton</i> APPROVED BY PUBLIC WORKS DIRECTOR		REVISIONS		T.S.	4/14/06
		Truncated Dome			



PLAN VIEW



SECTION A-A

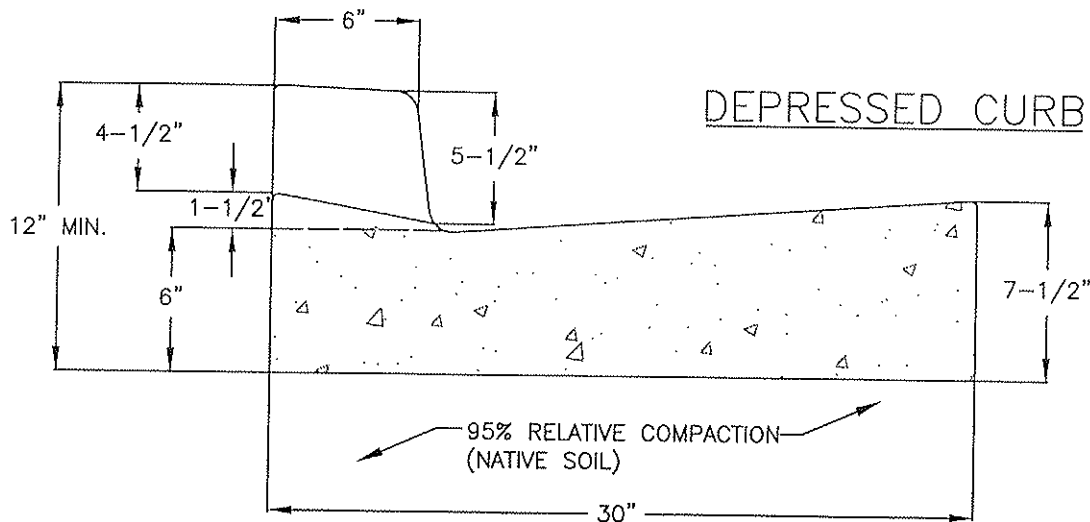
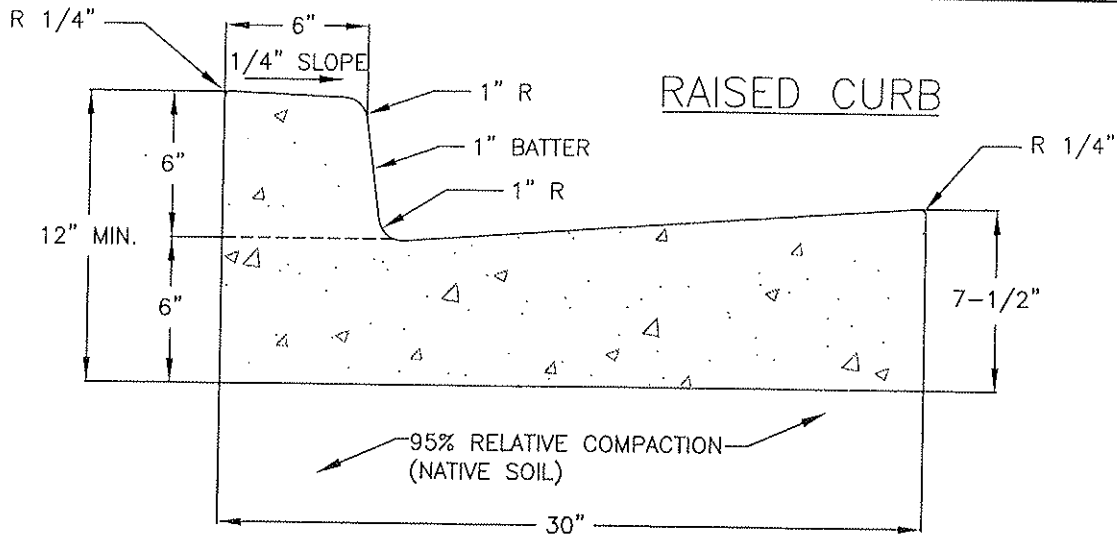
NOTES:

1. MATERIAL SHALL BE CLASS "A" CONCRETE (6 SACK MINIMUM).
2. COMPACT SUBGRADE TO 95% RELATIVE COMPACTION, PER ASTM D1557.
3. WIDER CROSS GUTTER MAY BE REQUIRED.
4. THE VALLEY GUTTER SHALL HAVE A MINIMUM SLOPE OF 0.0030 IN THE DIRECTION OF FLOW.
5. BASE SHALL BE 4 INCHES CLII AGGREGATE BASE, TO 95% RELATIVE COMPACTION PER ASTM D1557.
6. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07
Alvin K. Wotr
 APPROVED BY CITY ENGINEER
James Bettman
 APPROVED BY PUBLIC WORKS DIRECTOR

**VALLEY GUTTER
 WITH PARK STRIPS SHOWN**
CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. C-1a	
FILE NAME: C-1a.dwg	Dwn: C.Tamez
REVISIONS	BY DATE
Truncated Dome	T.S. 4/14/06
Park Strips	KRG 8/14/06



NOTES:

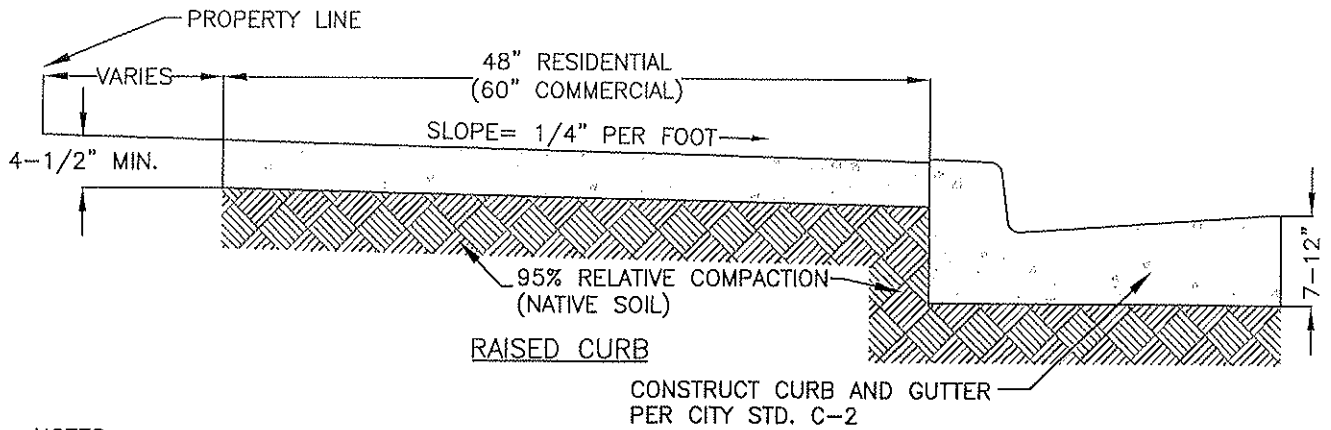
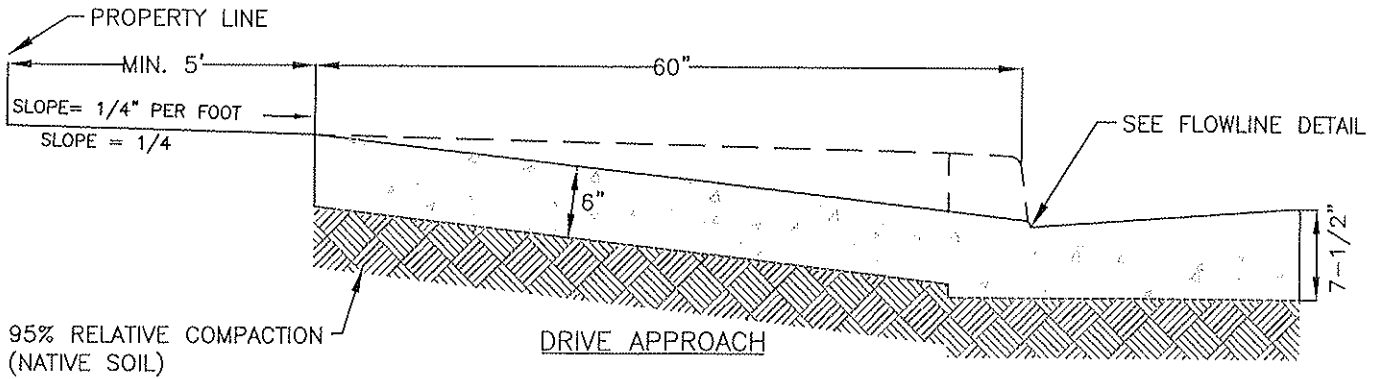
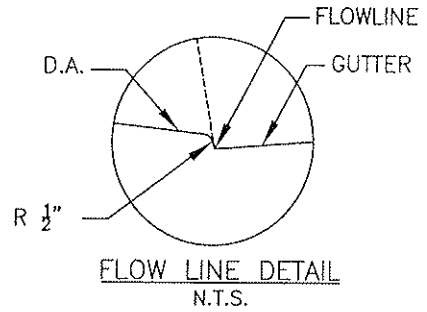
1. THE 30" STANDARD APPLIES TO ALL CURB & GUTTER EXCEPT THE "DOWNTOWN STREETScape AREA".
2. FORMS TO REMAIN FOR A MINIMUM OF 24 HOURS.
3. WOOD FORMS SHALL HAVE A NOMINAL THICKNESS OF 2", EXCEPT ON CURVE CONSTRUCTION WHERE THE THICKNESS SHALL BE DETERMINED BY THE CITY INSPECTOR.
4. MINIMUM GRADE FOR CURB & GUTTER SHALL NEVER BE LESS THAN .0015 SLOPE, EXCEPT CURVE PORTIONS OF CUL-DE-SAC STREETS WHICH SHALL HAVE .0020 SLOPE MINIMUM.
5. LINE & GRADE STAKES ARE TO BE SET 3' FROM FACE OF CURB. STAKE SPACING SHALL BE 25' MAXIMUM FOR A SLOPE OF .0015 AND 50' MAXIMUM FOR SLOPES OF .0020 OR MORE (OR EQUIVALENT CONTROLS).
6. EXPANSION JOINTS 1/2" WIDE SHALL BE INSTALLED IN CURB AT 60' INTERVALS (MINIMUM 30'), AND EACH SIDE OF THE DRIVE APPROACH.
7. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED 15' ON CENTER AND SHALL BE MINIMUM DEPTH OF 1-1/2" TO 2" WITH A SCORING TOOL LEAVING THE EDGES ROUNDED.
8. SEE CONCRETE NOTES AND CITY STANDARD SPECIFICATIONS.
9. CONCRETE SHALL BE TYPE "A" CONCRETE (6 SACK MINIMUM).

CITY COUNCIL APPROVAL: 2-27-07
Alan K. Upton
 APPROVED BY CITY ENGINEER
Sharon Ketter
 APPROVED BY PUBLIC WORKS DIRECTOR

STANDARD 30" CURB & GUTTER

CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. C-2	
FILE NAME: C-2.dwg	Dwn: C.Tamez
REVISIONS	BY DATE
Note 9	T.S. 4/14/06



NOTES:

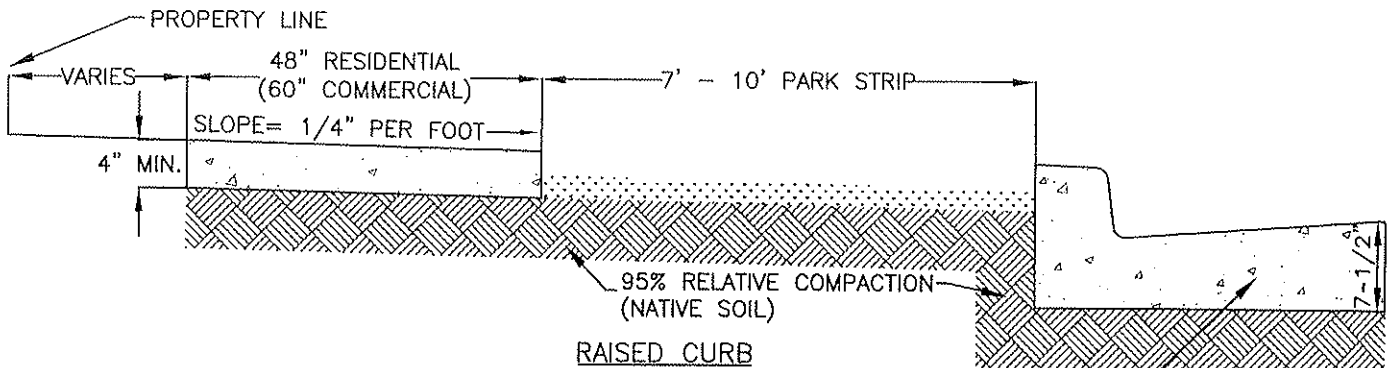
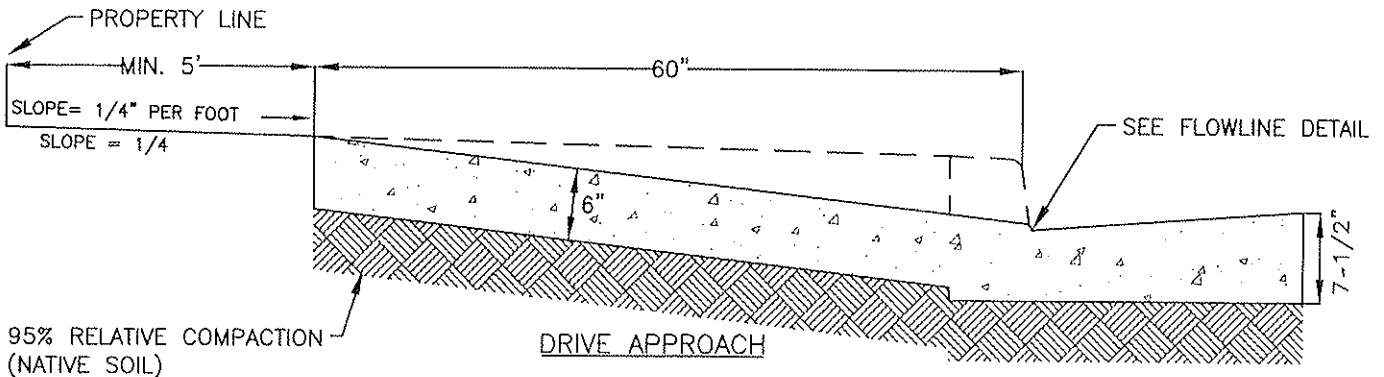
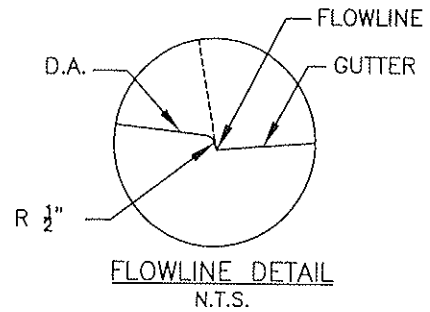
1. SIDEWALKS SHALL HAVE AN EVEN TROWEL FINISH AND A MEDIUM BROOM FINISH ACROSS THE SLOPE.
2. HEIGHT OF CURB FACE SHALL BE 6".
3. BACK OF CURB FACE SHALL BE 12".
4. ALL SIDEWALK AND DRIVE APPROACH CONCRETE WORK SHALL BE OF CLASS "B" CONCRETE (5 SACK MINIMUM). CURB AND GUTTER SHALL BE OF CLASS "A" CONCRETE (6 SACK MINIMUM).
5. EXPANSION JOINTS 1/2" WIDE SHALL BE INSTALLED IN CURB AT 60' INTERVALS (MINIMUM 30'), AND EACH SIDE OF DRIVE APPROACH WING.
6. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED 15' ON CENTER AND SHALL BE A MINIMUM DEPTH OF 1-1/2" TO 2" WITH A SCORING TOOL LEAVING THE EDGES ROUNDED.
7. SCORING PATTERN (SIDEWALK) SHALL BE AT 5' INTERVALS WITH SCORING TOOL 1/2" DEEP.

CITY COUNCIL APPROVAL: 2-27-07
Mark K. Wita
 APPROVED BY CITY ENGINEER
Dana K. Patton
 APPROVED BY PUBLIC WORKS DIRECTOR

CURB, GUTTER & SIDEWALK

CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. C-3	
FILE NAME: C-3.dwg	Dwn: C.Tamez
REVISIONS	BY DATE
Note 4	T.S. 4/14/06



NOTES:

1. SIDEWALKS SHALL HAVE AN EVEN TROWEL FINISH AND A MEDIUM BROOM FINISH ACROSS THE SLOPE.
2. HEIGHT OF CURB FACE SHALL BE 6".
3. BACK OF CURB FACE SHALL BE 12".
4. ALL SIDEWALK AND DRIVE APPROACH CONCRETE WORK SHALL BE OF CLASS "B" CONCRETE (5 SACK MINIMUM). CURB AND GUTTER SHALL BE OF CLASS "A" CONCRETE (6 SACK MINIMUM).
5. EXPANSION JOINTS 1/2" WIDE SHALL BE INSTALLED IN CURB AT 60' INTERVALS (MINIMUM 30'), AND EACH SIDE OF DRIVE APPROACH WING.
6. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED 15' ON CENTER AND SHALL BE A MINIMUM DEPTH OF 1 1/2" TO 2" WITH A SCORING TOOL LEAVING THE EDGES ROUNDED.
7. SCORING PATTERN (SIDEWALK) SHALL BE AT 5' INTERVALS WITH SCORING TOOL 1/2" DEEP.

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Upton
APPROVED BY CITY ENGINEER

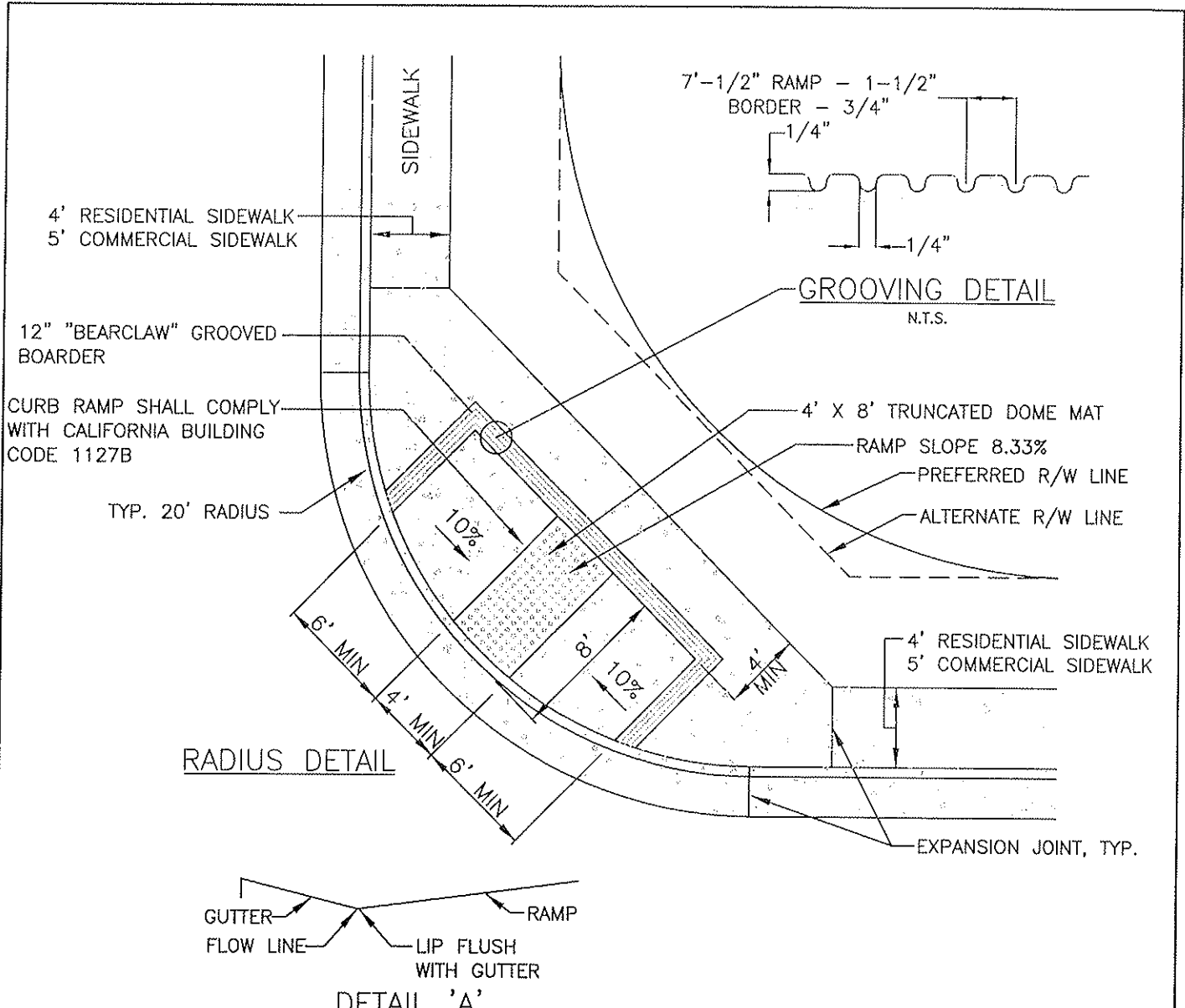
Donna Kettner
APPROVED BY PUBLIC WORKS DIRECTOR

CURB, GUTTER & SIDEWALK

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **C-3a**

FILE NAME: C-3a.dwg	Dwn: C. Tamez
REVISIONS	BY DATE
Note 4	T.S. 4/14/06
Park Strip	KRG 8/14/06



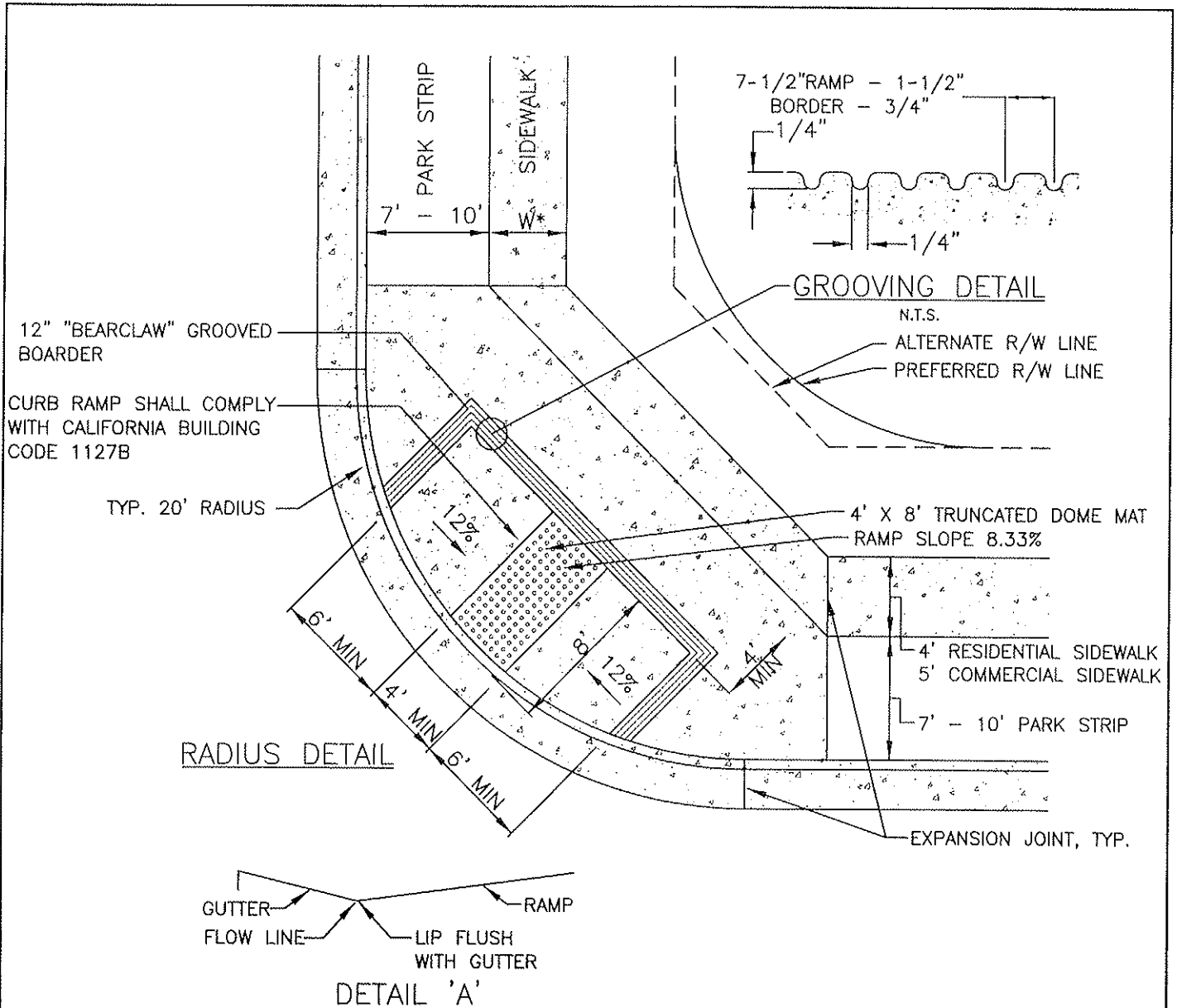
NOTES:

1. RAMPS SHALL HAVE NO ABRUPT CHANGES IN ELEVATION OR ANGLE OF SLOPE.
2. THE LOWER END OF EACH CURB RAMP SHALL BE FLUSH WITH THE GUTTER (SEE DETAIL "A").
3. SIDEWALK AND RAMP THICKNESS SHALL BE 4". COMPACT SUBGRADE TO 95% R.C. MIN.
4. RAMP SLOPE SHALL BE 1:12 (8.33%) MAX.
5. RAMP SIDE SLOPE SHALL BE 1:10 (10%) MAX. WITH A TRANSVERSE HEAVY BROOM FINISH, SLIP-RESISTANT BROOM FINISH.
6. THERE SHALL BE NO SIDEWALK OBSTRUCTIONS. ALL POWER POLES, STREET LIGHTS, FIRE HYDRANTS AND MAIL BOXES SHALL BE SET BACK BEHIND THE SIDEWALK UNLESS APPROVED BY THE CITY ENGINEER.
7. IF A LANDING ISN'T PROVIDED, THE FANNED OR FLARED SIDE SLOPE SHOULD BE 1:12 (8.33%) MAX.
8. FORMS TO REMAIN FOR A MIN. OF 24 HOURS.
9. THERE SHALL BE 0.25' MIN. DROP AROUND A 20' RADIUS.
10. CURB RAMPS SHALL HAVE A GROOVED BORDER 12" WIDE DETAILED AS ABOVE.

CITY COUNCIL APPROVAL: 2-27-07
Dean K. Uota
 APPROVED BY CITY ENGINEER
Diana Kottner
 APPROVED BY PUBLIC WORKS DIRECTOR

WHEELCHAIR RAMP
CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. C-4	
FILE NAME: C-4.dwg	Dwn: Tamez
REVISIONS	BY DATE
Truncated Dome, WC Ramp	T.S. 4/14/06



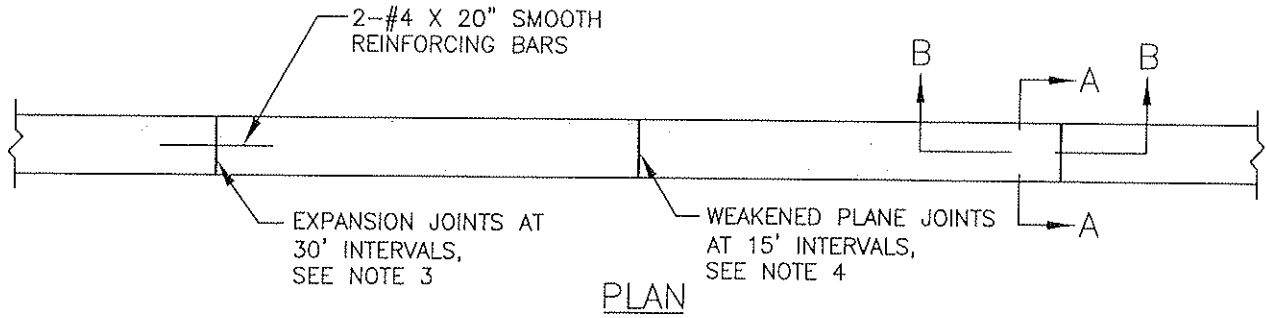
NOTES:

1. RAMP SHALL HAVE NO ABRUPT CHANGES IN ELEVATION OR ANGLE OF SLOPE.
2. THE LOWER END OF EACH CURB RAMP SHALL BE FLUSH WITH THE GUTTER (SEE DETAIL "A").
3. SIDEWALK AND RAMP THICKNESS SHALL BE 4". COMPACT SUBGRADE TO 95% R.C. MIN.
4. RAMP SLOPE SHALL BE 1:12 (8.33%) MAX.
5. RAMP SIDE SLOPE SHALL BE 1:10 (10%) MAX. WITH A TRANSVERSE HEAVY BROOM FINISH, SLIP-RESISTANT BROOM FINISH.
6. THERE SHALL BE NO SIDEWALK OBSTRUCTIONS. ALL POWER POLES, STREET LIGHTS, FIRE HYDRANTS AND MAIL BOXES SHALL BE SET BACK BEHIND THE SIDEWALK UNLESS APPROVED BY THE CITY ENGINEER.
7. IF A LANDING ISN'T PROVIDED, THE FANNED OR FLARED SIDE SLOPE SHOULD BE 1:12 (8.33%) MAX.
8. FORMS TO REMAIN FOR A MIN. OF 24 HOURS.
9. THERE SHALL BE 0.25' MIN. SLOPE AROUND A 20' RADIUS.
10. CURB RAMP SHALL HAVE A GROOVED BORDER 12" WIDE DETAILED AS ABOVE.
11. REFER TO 2007 GENERAL PLAN UPDATE.

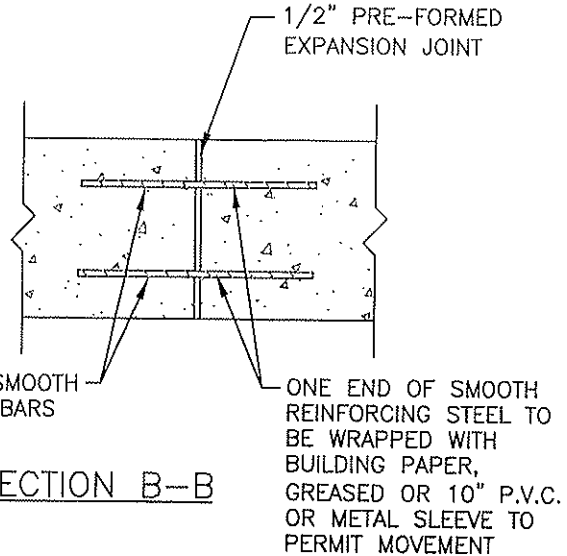
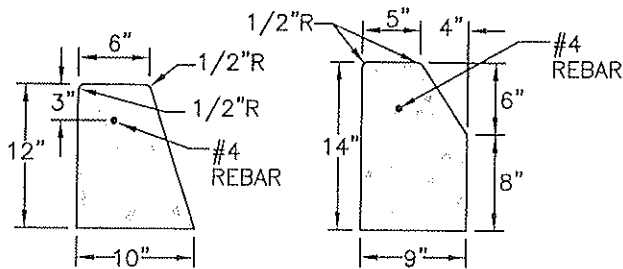
CITY COUNCIL APPROVAL: 2-27-07
Don K. Usher
 APPROVED BY CITY ENGINEER
Donna K. Usher
 APPROVED BY PUBLIC WORKS DIRECTOR

**WHEELCHAIR RAMP
 WITH PARK STRIPS**
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. C-4a		
FILE NAME: C-4a.dwg	Dwn: Tamez	
REVISIONS	BY	DATE
Truncated Dome, WC Ramp	T.S.	4/14/06
Park Strips	KRG	8/14/06



* MEDIAN CURBS SHALL HAVE 4" TOTAL BATTER



NOTES:

1. ALL CONCRETE WORK SHALL BE OF CLASS "A" CONCRETE (6 SACK MIXTURE).
2. ALL CONCRETE SHALL HAVE A LIGHT BROOM FINISH.
3. EXPANSION JOINTS 1/2" WIDE SHALL BE INSTALLED IN CURB AT 30' INTERVALS, EXPANSION JOINTS FILLED SHALL BE SHAPED TO THE CROSS SECTION OF THE CURB, JOINTS SHALL BE CONSTRUCTED AT RIGHT ANGLES TO BACK OF CURB.
4. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 15' ON CENTER AND SHALL BE A MINIMUM DEPTH OF 1-1/2 TO 2" AND SHALL BE FINISHED WITH A SCORING TOOL LEAVING THE EDGES ROUNDED.
5. MEDIAN CURBS SHALL BE 6 SACK CONCRETE.

CITY COUNCIL APPROVAL: 2-27-07

Gene K. Upton
APPROVED BY CITY ENGINEER

Patricia K. Carter
APPROVED BY PUBLIC WORKS DIRECTOR

BARRIER TYPE
LANDSCAPE CURB

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

C-5

FILE NAME: C-5.dwg

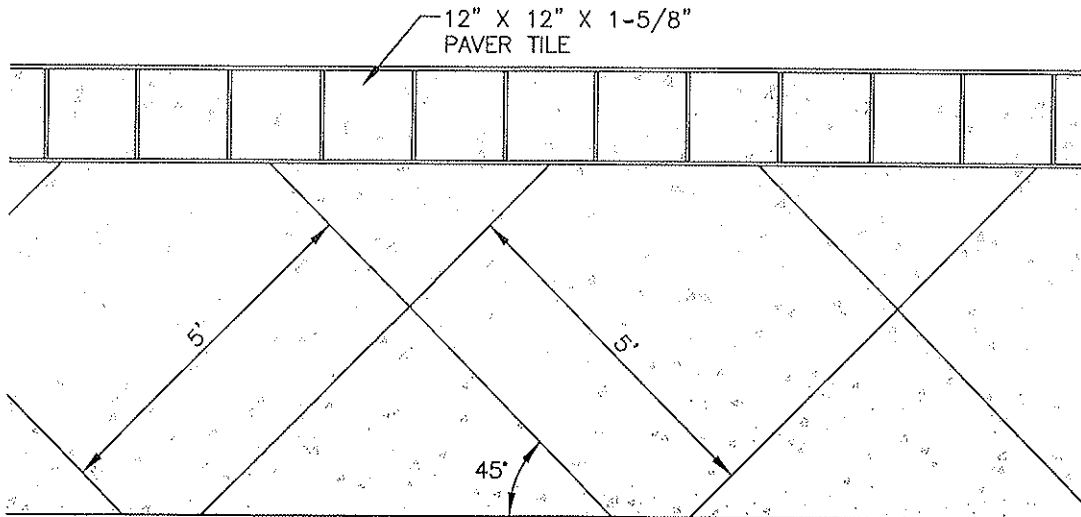
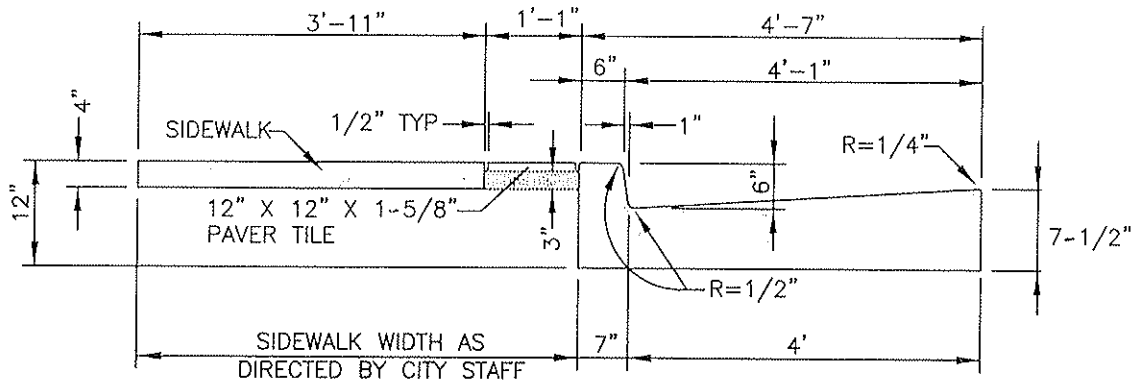
Dwn: Lubong

REVISIONS

BY DATE

Notes

T.S. 4/14/06



EXAMPLE OF SIDEWALK MARKINGS

NOTES:

1. ALL DECORATIVE CURB, GUTTER AND SIDEWALK SHALL BE CLASS "A" CONCRETE (6 SACK MIN.) COLOR: SAN DIEGO BUFF, DAVIS BRAND COLOR, BUILDERS CONCRETE BATCH NO. NK60170.
2. MARKINGS ARE 5' X 5', SALT WITH MEDIUM BROOM FINISH. SQUARE MARKINGS TO BE AT 45° ANGLES.
3. PAVER TILE COLOR: STEP STONE, CLASSIC WALKS, CUSTOM COLOR NO. 1144, FORM FINISH.
4. SEE CONCRETE NOTES AND CITY STD. SPECIFICATIONS.
5. PAVER MORTAR COLOR: NATURAL COLOR

CITY COUNCIL APPROVAL: 2-27-07

Don K. Wote
APPROVED BY CITY ENGINEER

James Bettina
APPROVED BY PUBLIC WORKS DIRECTOR

DECORATIVE CURB, GUTTER AND SIDEWALK

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

C-6

FILE NAME: C-6.dwg

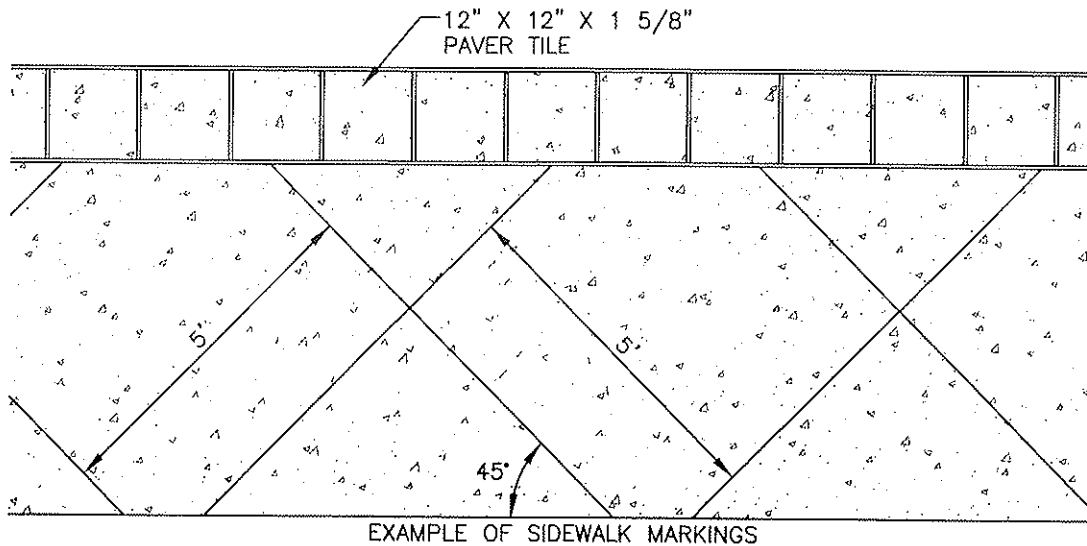
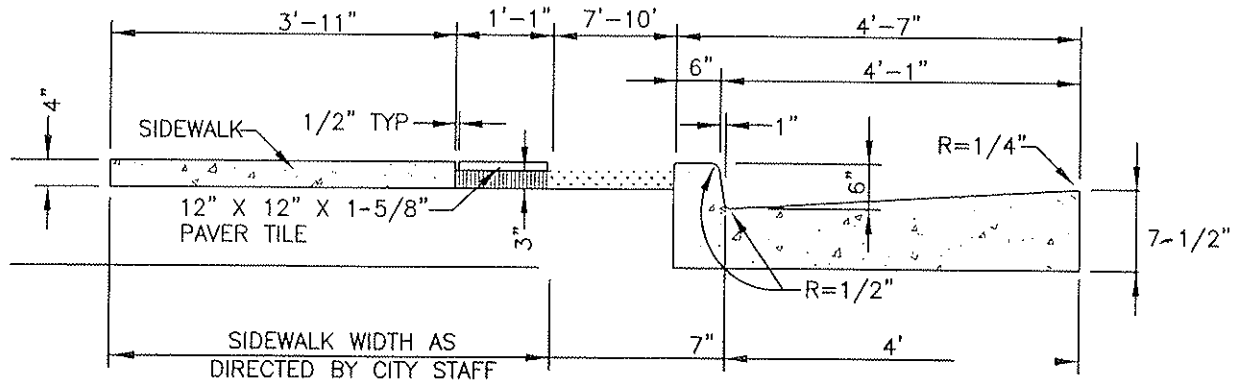
Dwn: C.Tamez

REVISIONS

BY

DATE

REVISIONS	BY	DATE



NOTES:

1. ALL CONCRETE SHALL BE CLASS "A" CONCRETE (6 SACK MIN.) COLOR: SAN DIEGO BUFF, DAVIS BRAND COLOR, BUILDERS CONCRETE BATCH NO. NK60170.
2. MARKINGS ARE 5' X 5', SALT WITH MEDIUM BROOM FINISH. SQUARE MARKINGS TO BE AT 45° ANGLES.
3. PAVER TILE COLOR: STEP STONE, CLASSIC WALKS, CUSTOM COLOR NO. 1144, FORM FINISH.
4. SEE CONCRETE NOTES AND CITY STD. SPECIFICATIONS.
5. PAVER MORTAR COLOR: NATURAL COLOR

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Koto
APPROVED BY CITY ENGINEER

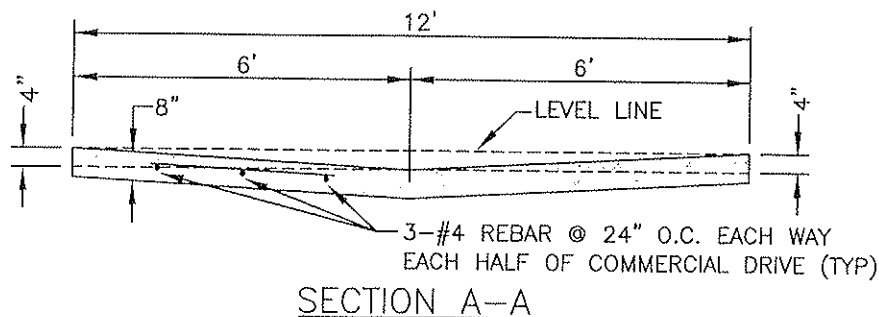
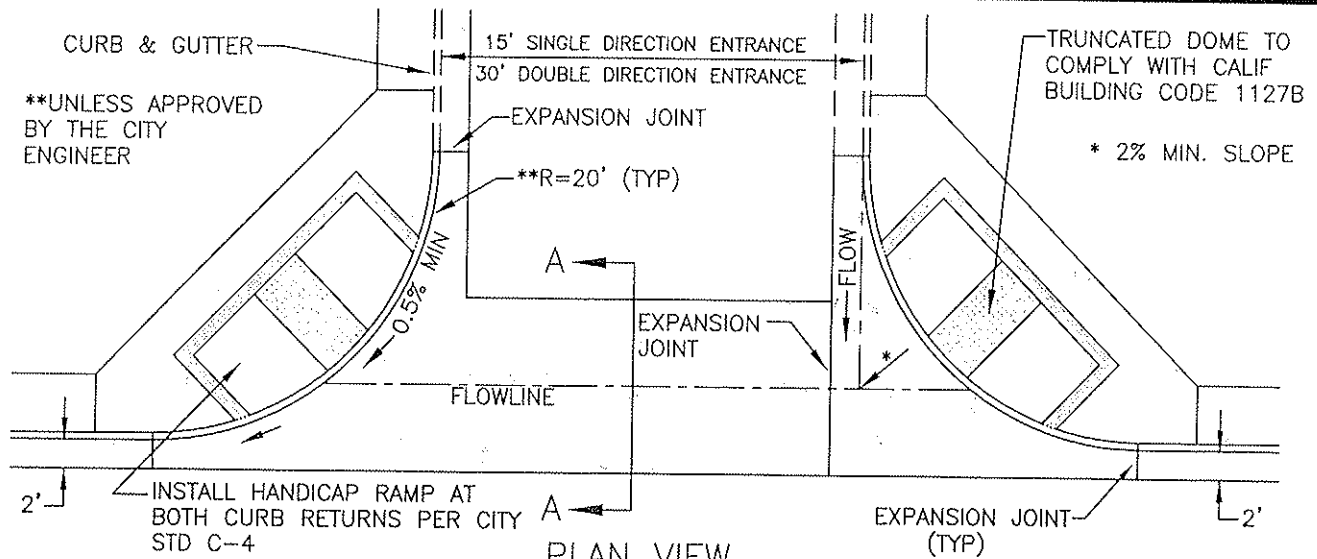
James Kettner
APPROVED BY PUBLIC WORKS DIRECTOR

**DECORATIVE CURB, GUTTER AND
SIDEWALK WITH PARK STRIPS**

**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. **C-6a**

FILE NAME: C-6a.dwg	Dwn: C.Tamez
REVISIONS	BY DATE
Park Strips	S.S. 12/15/06



NOTES:

1. ALL WORK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE SPECIFICATIONS ENTITLED "STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION", APPROVED CURRENT EDITION.
2. SUBGRADE PREPARATION FOR CROSS GUTTER SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
3. CONCRETE FOR CROSS GUTTER SHALL BE CLASS "A" (6 SACK MIN.) AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECS.
4. EXPANSION JOINTS SHALL BE CONSTRUCTED AT EVERY 30' OR AS DIRECTED BY THE CITY ENGINEER.
5. FOR STD. HANDICAP RAMP DIMENSIONS AND NOTES, SEE CITY STD. C-4 OR AS DIRECTED BY THE CITY ENGINEER.
6. CONCRETE FOR GUTTER SHALL BE WITHIN 2.5" TO 4.5" SLUMP.
7. CONCRETE SHALL CONTAIN NO ADMIXTURES UNLESS PRIOR APPROVAL IS OBTAINED FROM THE CITY ENGINEER.
8. CONCRETE SHALL BE CURED WITH A WHITE PIGMENTED CURING COMPOUND COMPLYING TO SECTION 90-7.01B OF THE STANDARD SPECIFICATIONS.
9. AN ENCROACHMENT PERMIT IS REQUIRED FOR ALL WORK DONE WITHIN THE CITY OF DINUBA RIGHT OF WAY.
10. BEARING SOIL SHALL BE COMPACTED TO 95% RELATIVE COMPACTION AS DETERMINED BY A.S.T.M. D-1557 TO A DEPTH OF 1.0' BELOW CROSS GUTTER AND 1.0' TO EACH SIDE OF THE CROSS GUTTER.
11. THE MINIMUM SLOPE ON ALL CROSS GUTTERS IS 0.4% UNLESS APPROVED BY THE CITY ENGINEER.
12. ALL CROSS GUTTER LOCATIONS AND SIZES ARE TO BE APPROVED BY THE CITY ENGINEER.

CITY COUNCIL APPROVAL: 2-27-07

Alex K. Vito
APPROVED BY CITY ENGINEER

Diana Kutzan
APPROVED BY PUBLIC WORKS DIRECTOR

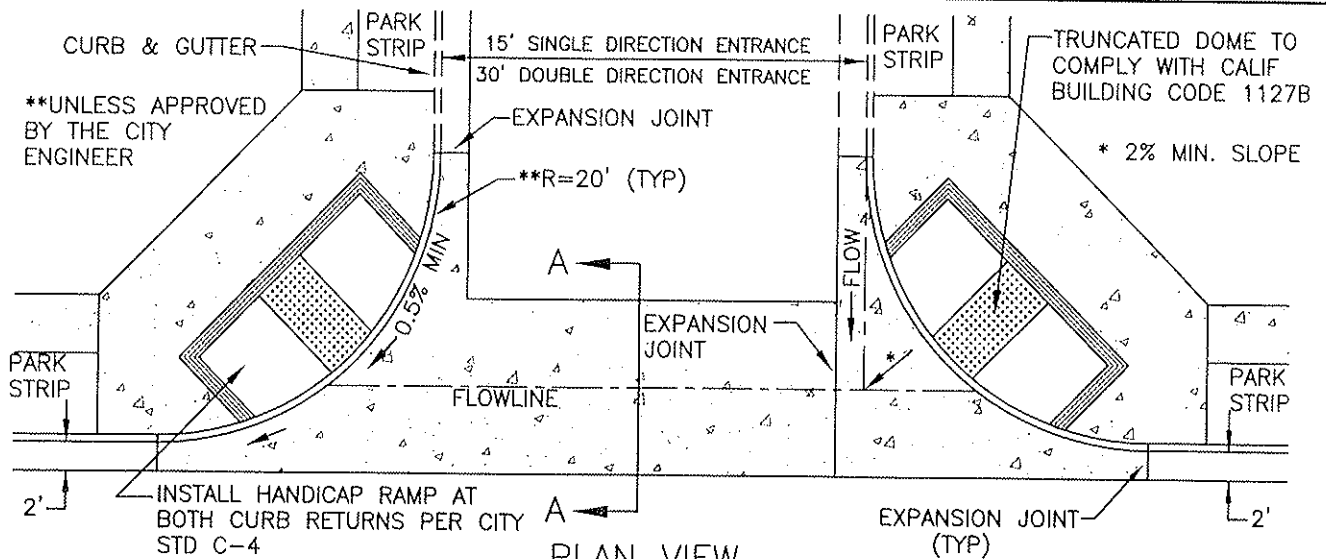
STANDARD COMMERCIAL DRIVE APPROACH

CITY OF DINUBA
Public Improvement Standards

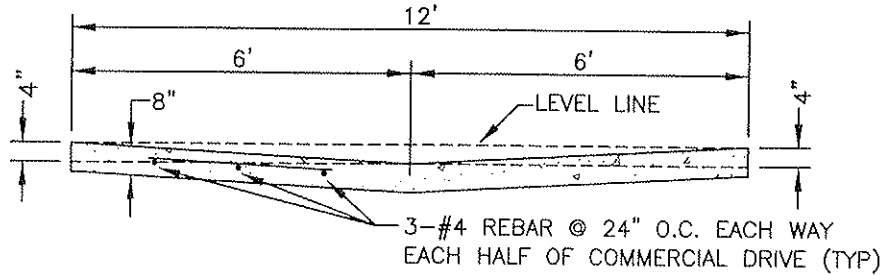
DRAWING NO. **C-7**

FILE NAME: C-7.dwg Dwn: T. Simpson

REVISIONS	BY	DATE
Gen Notes	T.S.	4/14/06



PLAN VIEW



SECTION A-A

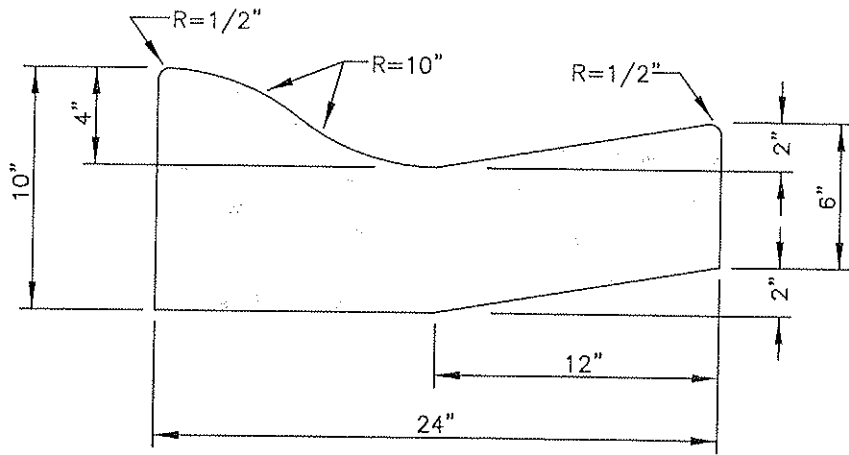
NOTES:

1. ALL WORK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE SPECIFICATIONS ENTITLED "STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION", APPROVED CURRENT EDITION.
2. SUBGRADE PREPARATION FOR CROSS GUTTER SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
3. CONCRETE FOR CROSS GUTTER SHALL BE CLASS "A" (6 SACK MIN.) AND SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECS.
4. EXPANSION JOINTS SHALL BE CONSTRUCTED AT EVERY 30' OR AS DIRECTED BY THE CITY ENGINEER.
5. FOR STD. HANDICAP RAMP DIMENSIONS AND NOTES, SEE CITY STD. C-4 OR AS DIRECTED BY THE CITY ENGINEER.
6. CONCRETE FOR GUTTER SHALL BE WITHIN 2.5" TO 4.5" SLUMP.
7. CONCRETE SHALL CONTAIN NO ADMIXTURES UNLESS PRIOR APPROVAL IS OBTAINED FROM THE CITY ENGINEER.
8. CONCRETE SHALL BE CURED WITH A WHITE PIGMENTED CURING COMPOUND COMPLYING TO SECTION 90-7.01B OF THE STANDARD SPECIFICATIONS.
9. AN ENCROACHMENT PERMIT IS REQUIRED FOR ALL WORK DONE WITHIN THE CITY OF DINUBA RIGHT OF WAY.
10. BEARING SOIL SHALL BE COMPACTED TO 95% RELATIVE COMPACTION AS DETERMINED BY A.S.T.M. D-1557 TO A DEPTH OF 1.0' BELOW CROSS GUTTER AND 1.0' TO EACH SIDE OF THE CROSS GUTTER.
11. THE MINIMUM SLOPE ON ALL CROSS GUTTERS IS 0.4% UNLESS APPROVED BY THE CITY ENGINEER.
12. ALL CROSS GUTTER LOCATIONS AND SIZES ARE TO BE APPROVED BY THE CITY ENGINEER.

CITY COUNCIL APPROVAL: 2-27-07
Alan K. Uita
 APPROVED BY CITY ENGINEER
Danica Guiton
 APPROVED BY PUBLIC WORKS DIRECTOR

STANDARD COMMERCIAL DRIVE
APPROACH WITH PARK STRIPS SHOWN
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. C-7a	
FILE NAME: C-7a.dwg	Dwn: T. Simpson
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06
Park Strips	KRG 8/14/06



ROLL TYPE CURB AND GUTTER
(PLANNED UNIT DEVELOPMENTS ONLY)

NOTES:

1. ALL WORK SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE "STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION", APPROVED CURRENT EDITION, AND THE FOLLOWING GENERAL NOTES:
2. SUBGRADE PREPARATION FOR ROLL TYPE CURBS AND GUTTERS SHALL BE CONSTRUCTED TRUE TO GRADE AND CROSS SECTION WITH COMPACTION OF 95% TO A DEPTH OF 6" BELOW THE SUBGRADE.
3. CONCRETE FOR CURB AND GUTTER SHALL BE CLASS "A" CONCRETE (6 SACK MIN) AND SHALL BE WITHIN 2.5" TO 5.5" SLUMP.
4. TIMBER FORMS SHALL BE SURFACED ON THE SIDE PLACED NEXT TO THE CONCRETE AND SHALL NOT BE LESS THAN 1.5" THICK AFTER BEING SURFACED.
5. TOP AND FACE SHALL BE TROWELED SMOOTH, THE GIVEN A FINAL MEDIUM BRUSH FINISH.
6. WHERE EXISTING CURB AND GUTTERS ARE TO BE REPLACED, NEW CONSTRUCTION SHALL MATCH EXISTING CONSTRUCTION UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.
7. CONCRETE SHALL CONTAIN NO ADDITIVES UNLESS PRIOR APPROVAL IS OBTAINED FROM THE CITY ENGINEER.
8. CONCRETE SHALL BE CURED WITH A WHITE PIGMENTED CURING COMPOUND COMPLYING TO SECTION 90-7.01B OF THE STANDARD SPECIFICATIONS.
9. EXISTING SECTIONS OF CURB AND GUTTER SHALL BE SAWCUT AT THE LIMITS OF THE AREA TO BE RECONSTRUCTED.
10. WEAKENED PLANE JOINTS OR COLD JOINTS SHALL BE CONSTRUCTED AT 15' INTERVALS. EXPANSION JOINTS SHALL BE AT EACH SIDE OF STRUCTURES AND AT ENDS OF CURB RETURNS.
11. ROLL TYPE CURB AND GUTTER SHALL BE APPROVED BY THE CITY PRIOR TO PERMIT ISSUANCE.
12. PERMIT FOR CURB AND GUTTER CONSTRUCTION SHALL ACCOMPANY ACTUAL WORK.
13. WHEN CONSTRUCTING NEW CURB AND GUTTER, THE EXISTING PAVEMENT SHALL BE SAWCUT A MINIMUM OF 2.0' FROM THE LIP OF THE GUTTER OR AS DIRECTED BY THE CITY ENGINEER.

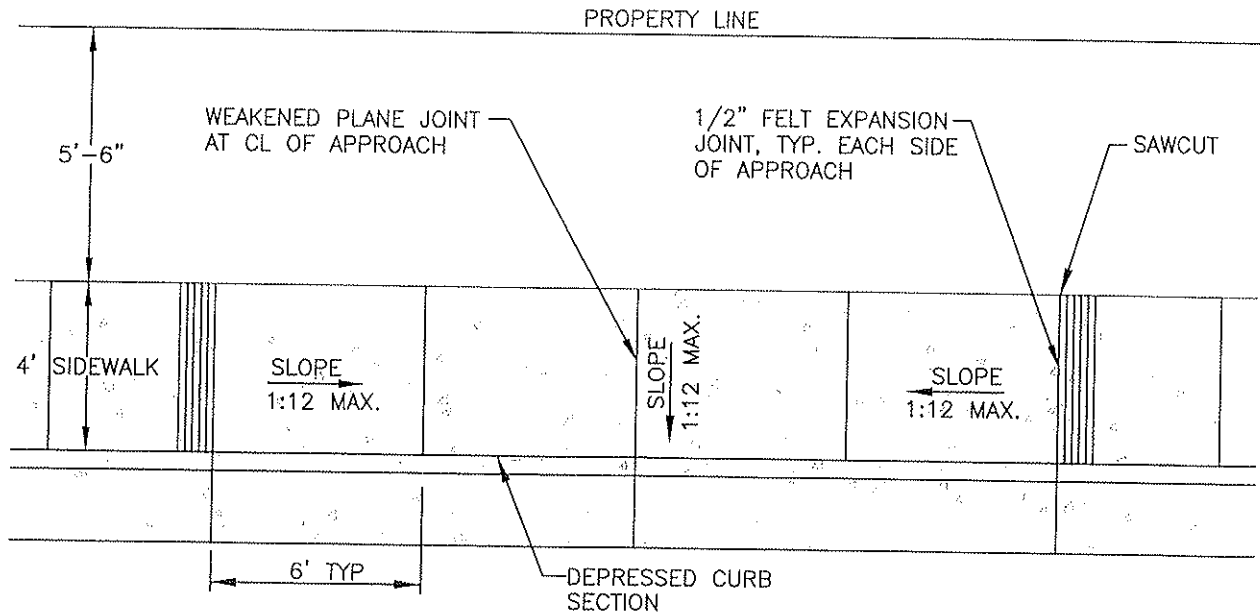
CITY COUNCIL APPROVAL: 2-27-07
Donna K. Holt
 APPROVED BY CITY ENGINEER
Donna K. Holt
 APPROVED BY PUBLIC WORKS DIRECTOR

ROLL TYPE CURB & GUTTER

CITY OF DINUBA
Public Improvement Standards



DRAWING NO. C-8		
FILE NAME: C-8.dwg	Dwn: T. Simpson	
REVISIONS	BY	DATE

* FOR SINGLE GARAGES OR CARPORTS THE APPROACH MAY BE REDUCED IN WIDTH UPON APPROVAL BY THE CITY

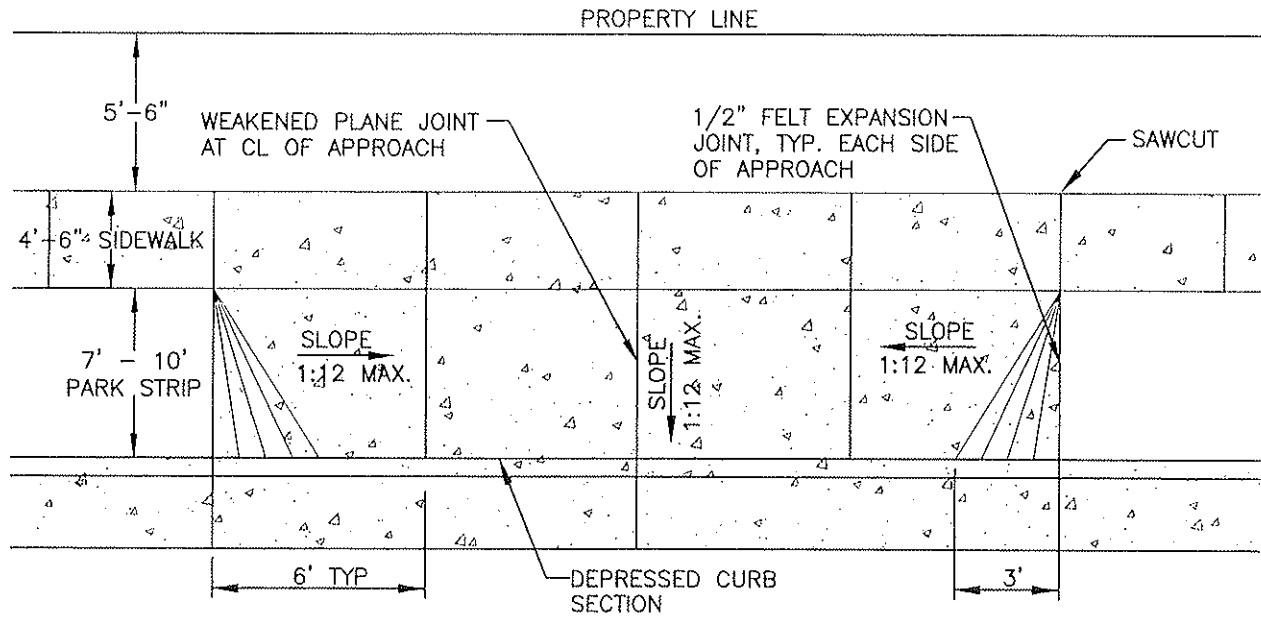


NOTES:

1. ENTIRE WIDTH OF DRIVE APRON TO PL SHALL HAVE A MIN. THICKNESS OF 6" OF CONCRETE.
2. DRIVE OPENINGS SHALL BE A MIN. OF 24' APART WHEN LOCATED ON THE SAME PROPERTY. NOT MORE THAN 40% OF THE BUILDING SITE FRONTAGE SHALL BE USED FOR VEHICULAR ACCESS.
3. THERE SHALL BE 25' MIN. SETBACK FROM STREET INTERSECTION PL TO DRIVE APPROACH. THIS DISTANCE MAY BE INCREASED AT THE DISCRETION OF THE CITY ENGINEER.
4. ALL CONCRETE SHALL BE CLASS "B" (5 SACK MINIMUM) AND TEST TO A MIN. OF 2,500 P.S.I. IN 28 DAYS.
5. DRIVEWAYS SHALL BE FORMED TO FULL DEPTH OF POUR. WOOD FORMS SHALL HAVE A NOMINAL THICKNESS OF 2". FORMS TO REMAIN FOR A MIN. OF 24 HOURS.
6. ALL SIDEWALKS SHALL HAVE A MIN. SLOPE OF 1/4" PER FOOT. COMPACTION SHALL BE 90% R.C. MIN.
7. SUBGRADE UNDER DRIVEWAY APPROACH SHALL BE COMPACTED TO 95% R.C. MIN.
8. THE DRIVEWAY SURFACE SHALL HAVE A HEAVY BROOM FINISH.
9. THE BOTTOM FRONT LIP OF THE DRIVEWAY ENTRANCE SHALL HAVE A 45 DEG. BEVEL.
10. A 12" WIDE GROOVED BORDER OF 1/4" X 1/4" WIDE AND 3/4" APART SHALL BE LOCATED ON THE LEVEL SIDEWALK SURFACE AT THE TOP OF THE DRIVEWAY.
11. WHERE CURB AND GUTTER IS EXISTING, IT SHALL BE SAWCUT AND REMOVED WITHIN THE LIMITS OF THE DRIVEWAY.

CITY COUNCIL APPROVAL: 2-27-07  APPROVED BY CITY ENGINEER	<h2 style="margin: 0;">RESIDENTIAL DRIVE APPROACH</h2>	DRAWING NO. C-9						
 APPROVED BY PUBLIC WORKS DIRECTOR	CITY OF DINUBA Public Improvement Standards	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: small;">FILE NAME: C-9.dwg</td> <td style="font-size: small;">Dwn: Tamez</td> </tr> <tr> <td style="font-size: small;">REVISIONS</td> <td style="font-size: small;">BY DATE</td> </tr> <tr> <td style="font-size: small;">Gen Notes, Dims</td> <td style="font-size: small;">T.S. 4/14/06</td> </tr> </table>	FILE NAME: C-9.dwg	Dwn: Tamez	REVISIONS	BY DATE	Gen Notes, Dims	T.S. 4/14/06
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REVISIONS	BY DATE							
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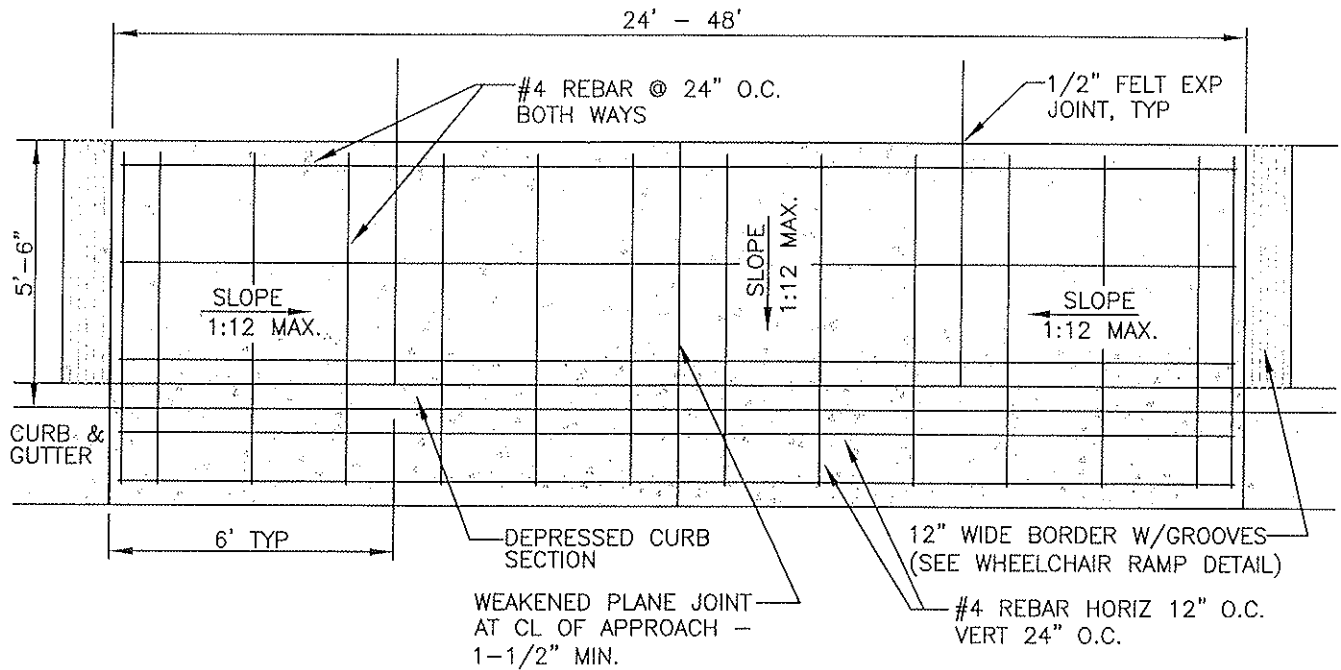
* FOR SINGLE GARAGES OR CARPORTS THE APPROACH
MAY BE REDUCED IN WIDTH UPON APPROVAL BY THE CITY



NOTES:

1. ENTIRE WIDTH OF DRIVE APRON TO PL SHALL HAVE A MIN. THICKNESS OF 6" OF CONCRETE.
2. DRIVE OPENINGS SHALL BE A MIN. OF 24' APART WHEN LOCATED ON THE SAME PROPERTY. NOT MORE THAN 40% OF THE BUILDING SITE FRONTAGE SHALL BE USED FOR VEHICULAR ACCESS.
3. THERE SHALL BE 25' MIN. SETBACK FROM STREET INTERSECTION PL TO DRIVE APPROACH. THIS DISTANCE MAY BE INCREASED AT THE DISCRETION OF THE CITY ENGINEER.
4. ALL CONCRETE SHALL BE CLASS "B" (5 SACK MINIMUM) AND TEST TO A MIN. OF 2,500 P.S.I. IN 28 DAYS.
5. DRIVEWAYS SHALL BE FORMED TO FULL DEPTH OF POUR. WOOD FORMS SHALL HAVE A NOMINAL THICKNESS OF 2". FORMS TO REMAIN FOR A MIN. OF 24 HOURS.
6. ALL SIDEWALKS SHALL HAVE A MIN. SLOPE OF 1/4" PER FOOT. COMPACTION SHALL BE 90% R.C. MIN.
7. SUBGRADE UNDER DRIVEWAY APPROACH SHALL BE COMPACTED TO 95% R.C. MIN.
8. THE DRIVEWAY SURFACE SHALL HAVE A HEAVY BROOM FINISH.
9. THE BOTTOM FRONT LIP OF THE DRIVEWAY ENTRANCE SHALL HAVE A 45 DEG. BEVEL.
10. WHERE CURB AND GUTTER IS EXISTING, IT SHALL BE SAWCUT AND REMOVED WITHIN THE LIMITS OF THE DRIVEWAY.
11. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07	RESIDENTIAL DRIVE APPROACH WITH PARK STRIPS	DRAWING NO. C-9a									
 APPROVED BY CITY ENGINEER		FILE NAME: C-9a.dwg Dwn: Tamez									
 APPROVED BY PUBLIC WORKS DIRECTOR	CITY OF DINUBA Public Improvement Standards	<table border="1"> <thead> <tr> <th>REVISIONS</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>Gen Notes, Dims</td> <td>T.S.</td> <td>4/14/06</td> </tr> <tr> <td>Park Strips</td> <td>KRG</td> <td>8/14/06</td> </tr> </tbody> </table>	REVISIONS	BY	DATE	Gen Notes, Dims	T.S.	4/14/06	Park Strips	KRG	8/14/06
REVISIONS	BY	DATE									
Gen Notes, Dims	T.S.	4/14/06									
Park Strips	KRG	8/14/06									



NOTES:

1. ENTIRE WIDTH OF DRIVE APRON TO PL SHALL HAVE A MIN. THICKNESS OF 8" OF CONCRETE.
2. DRIVE OPENINGS SHALL BE A MIN. OF 24' APART WHEN LOCATED ON THE SAME PROPERTY. NOT MORE THAN 70% OF THE BUILDING SITE FRONTAGE SHALL BE USED FOR VEHICULAR ACCESS.
3. THERE SHALL BE 35' MIN. SETBACK FROM CURB AND GUTTER RADIUS END TO DRIVE APPROACH. THIS DISTANCE MAY BE INCREASED AT THE DISCRETION OF THE CITY ENGINEER.
4. ALL CONCRETE SHALL BE CLASS "A" (6 SACK MINIMUM) AND TEST TO A MIN. OF 3,000 P.S.I. IN 28 DAYS.
5. DRIVEWAYS SHALL BE FORMED TO FULL DEPTH OF POUR.
6. ALL SIDEWALKS SHALL HAVE A MIN. SLOPE OF 1/4" PER FOOT. COMPACTION SHALL BE 90% R.C. MIN.
7. SUBGRADE UNDER DRIVEWAY APPROACH SHALL BE COMPACTED TO 95% R.C. MIN.
8. THE DRIVEWAY SURFACE SHALL HAVE A HEAVY BROOM FINISH.
9. THE BOTTOM FRONT LIP OF THE DRIVEWAY ENTRANCE SHALL HAVE A 45 DEG. BEVEL.
10. A 12" WIDE GROOVED BORDER OF 1/4" X 1/4" WIDE AND 3/4" APART SHALL BE LOCATED ON THE LEVEL SIDEWALK SURFACE AT THE TOP OF THE DRIVEWAY.
11. WHERE CURB AND GUTTER IS EXISTING, IT SHALL BE SAWCUT AND REMOVED WITHIN THE LIMITS OF THE DRIVEWAY.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Hoto
APPROVED BY CITY ENGINEER

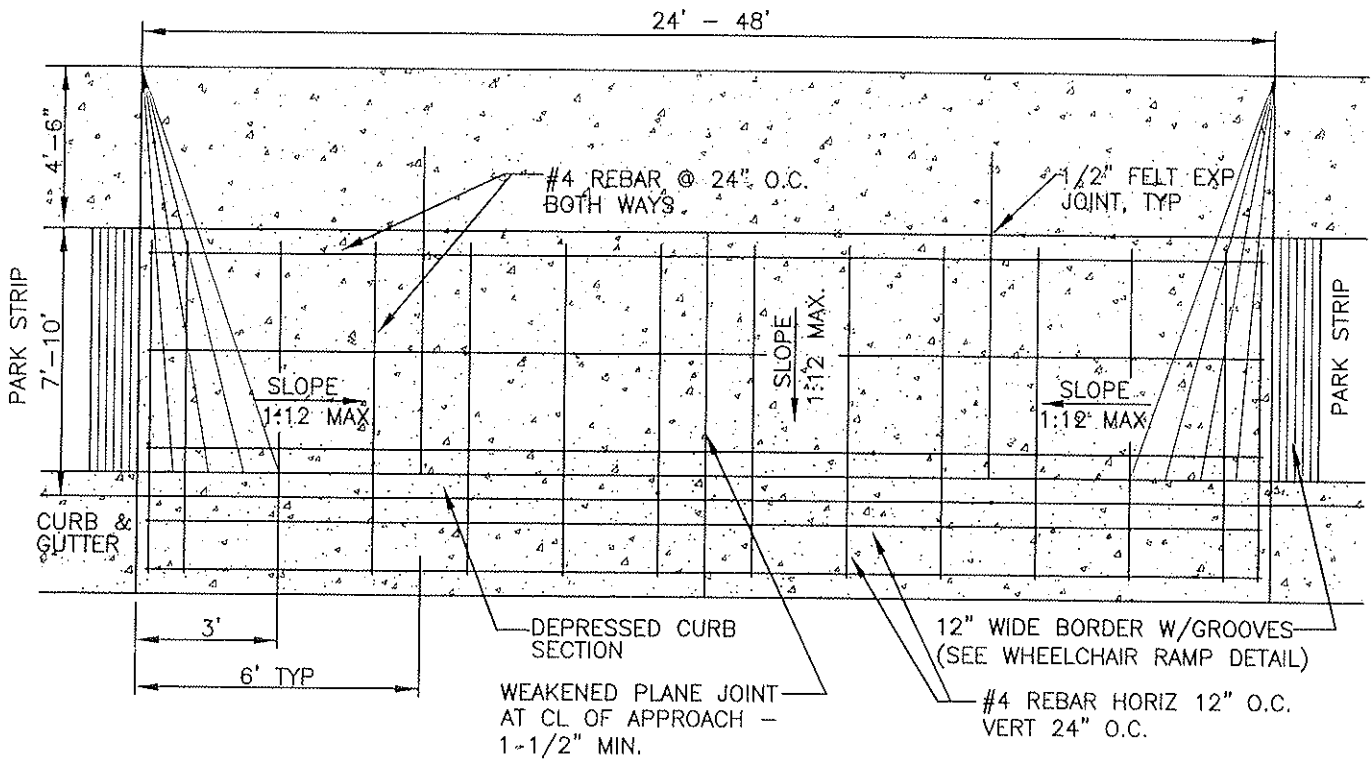
Barbara Sultan
APPROVED BY PUBLIC WORKS DIRECTOR

COMMERCIAL & INDUSTRIAL
DRIVEWAY

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **C-10**

FILE NAME: C-10.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06



NOTES:

1. ENTIRE WIDTH OF DRIVE APRON TO PL SHALL HAVE A MIN. THICKNESS OF 8" OF CONCRETE.
2. DRIVE OPENINGS SHALL BE A MIN. OF 24' APART WHEN LOCATED ON THE SAME PROPERTY. NOT MORE THAN 70% OF THE BUILDING SITE FRONTAGE SHALL BE USED FOR VEHICULAR ACCESS.
3. THERE SHALL BE 35' MIN. SETBACK FROM CURB AND GUTTER RADIUS END TO DRIVE APPROACH. THIS DISTANCE MAY BE INCREASED AT THE DISCRETION OF THE CITY ENGINEER.
4. ALL CONCRETE SHALL BE CLASS "A" (6 SACK MINIMUM) AND TEST TO A MIN. OF 3,000 P.S.I. IN 28 DAYS.
5. DRIVEWAYS SHALL BE FORMED TO FULL DEPTH OF POUR.
6. ALL SIDEWALKS SHALL HAVE A MIN. SLOPE OF 1/4" PER FOOT. COMPACTION SHALL BE 90% R.C. MIN.
7. SUBGRADE UNDER DRIVEWAY APPROACH SHALL BE COMPACTED TO 95% R.C. MIN.
8. THE DRIVEWAY SURFACE SHALL HAVE A HEAVY BROOM FINISH.
9. THE BOTTOM FRONT LIP OF THE DRIVEWAY ENTRANCE SHALL HAVE A 45 DEG. BEVEL.
10. A 12" WIDE GROOVED BORDER OF 1/4" X 1/4" WIDE AND 3/4" APART SHALL BE LOCATED ON THE LEVEL SIDEWALK SURFACE AT THE TOP OF THE DRIVEWAY.
11. WHERE CURB AND GUTTER IS EXISTING, IT SHALL BE SAWCUT AND REMOVED WITHIN THE LIMITS OF THE DRIVEWAY.
12. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. Witt
APPROVED BY CITY ENGINEER

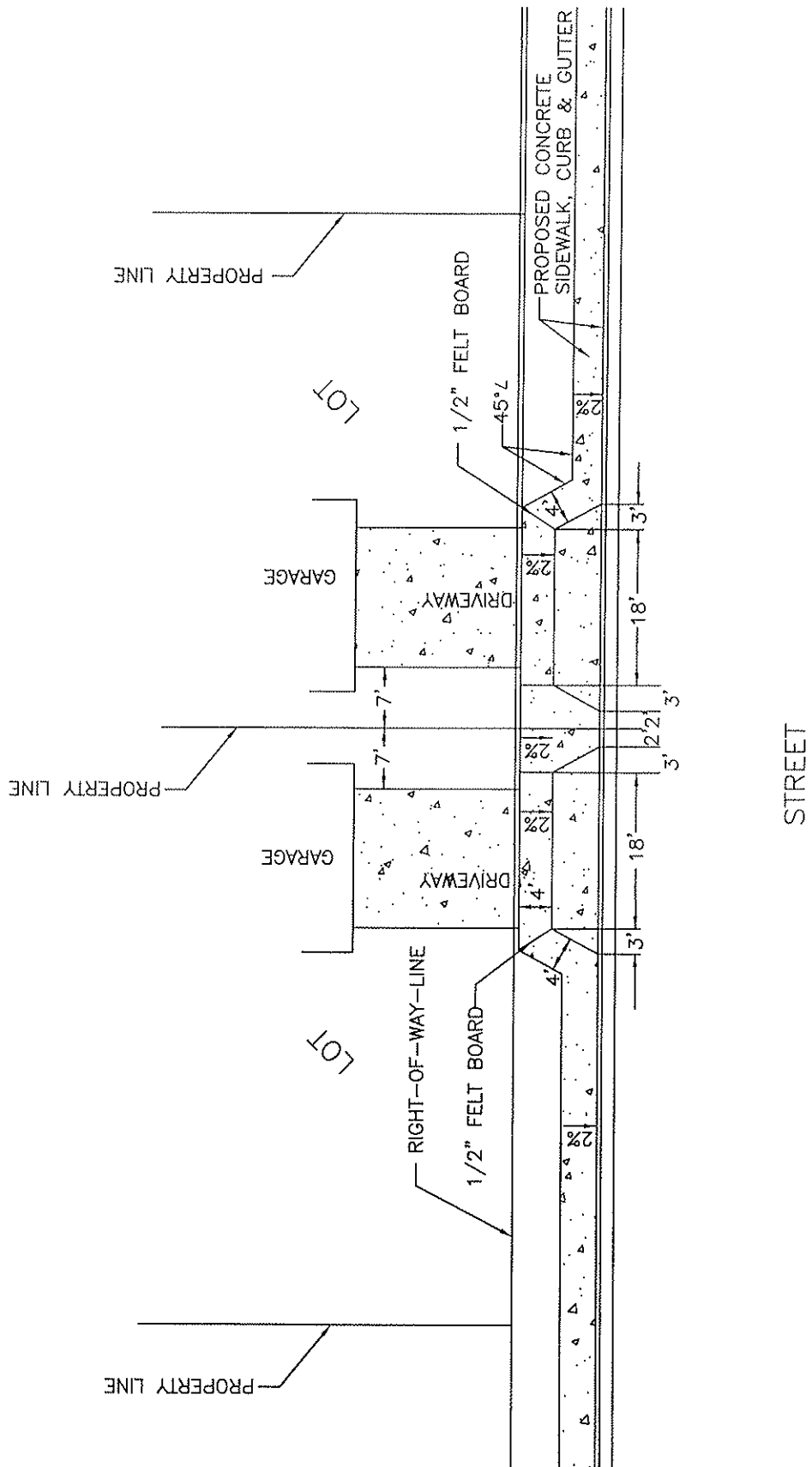
Sharon Kottler
APPROVED BY PUBLIC WORKS DIRECTOR

**COMMERCIAL & INDUSTRIAL
DRIVEWAY WITH PARK STRIPS**

**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. **C-10a**

FILE NAME: C-10a.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06
PARK STRIPS	S.S. 12/14/06



STREET

NOTES:

1. THIS METHOD CAN ONLY BE USED IF APPROVED BY CITY STAFF.
2. THE SIDEWALK BEHIND THE APPROACH SHALL BE 6" THICK.
3. SIDEWALK SUBGRADE BEHIND THE APPROACH SHALL BE 95% COMPACTED SUBGRADE.

CITY COUNCIL APPROVAL: 2-27-07

Gene K. Woto
APPROVED BY CITY ENGINEER

Diana K. Peterson
APPROVED BY PUBLIC WORKS DIRECTOR

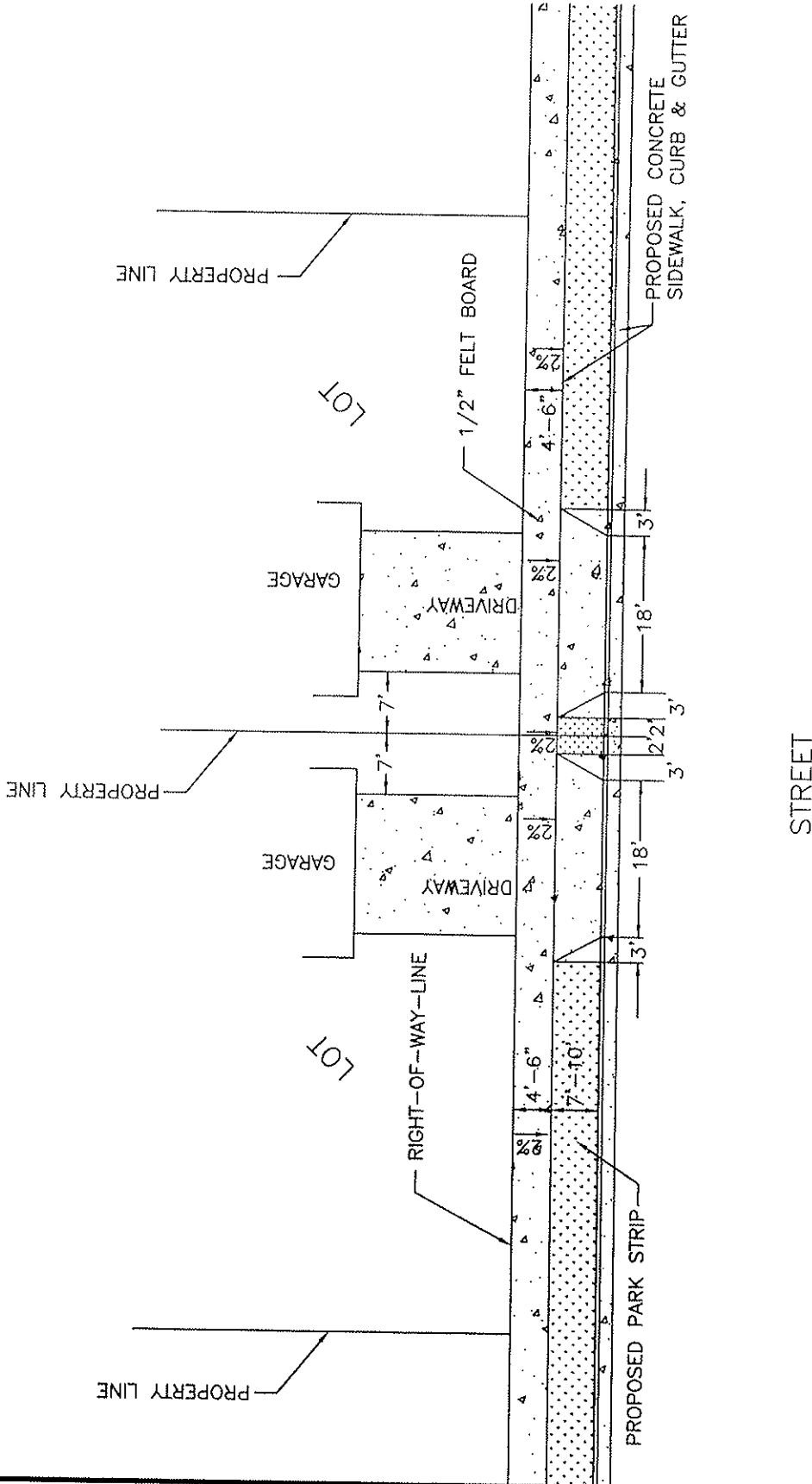
TYPICAL DRIVEWAY LOCATION DETAIL
ALTERNATE #1

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

C-11

FILE NAME: C-11.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06



- NOTES:
1. THIS METHOD CAN ONLY BE USED IF APPROVED BY CITY STAFF.
 2. THE SIDEWALK BEHIND THE APPROACH SHALL BE 6" THICK.
 3. SIDEWALK SUBGRADE BEHIND THE APPROACH SHALL BE 95% COMPACTED SUBGRADE.
 4. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Voto
APPROVED BY CITY ENGINEER

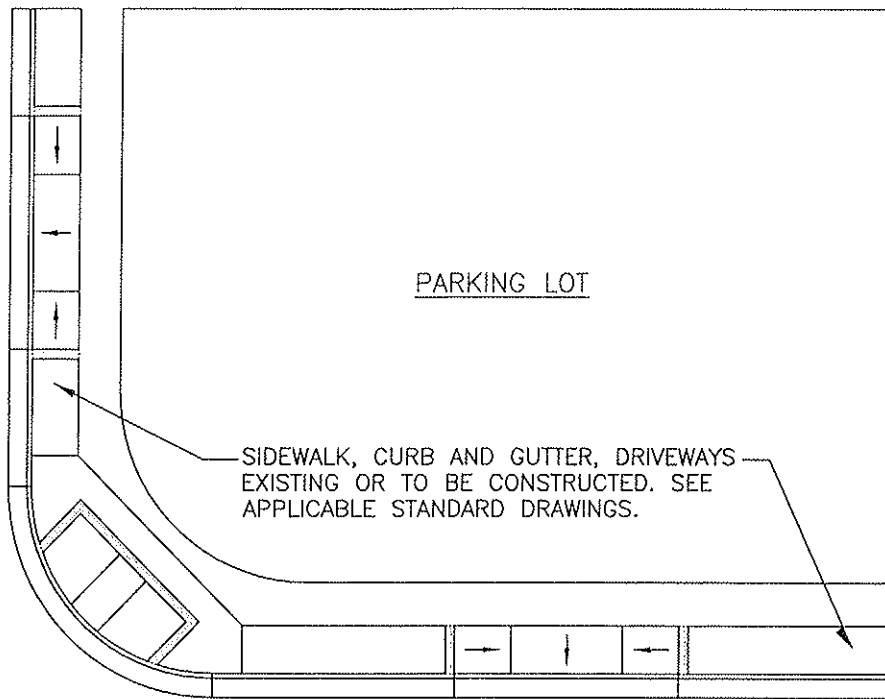
Dianca Kettner
APPROVED BY PUBLIC WORKS DIRECTOR

**TYPICAL DRIVEWAY LOCATION DETAIL
ALTERNATE #1 WITH PARK STRIPS**

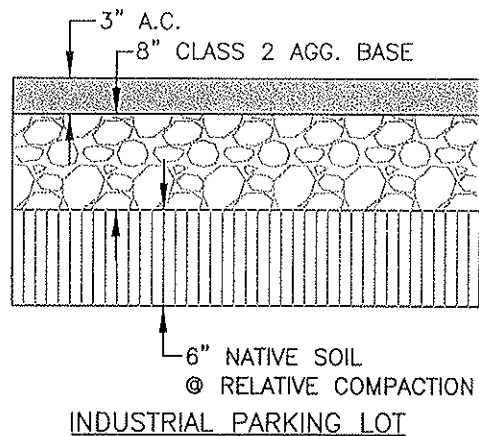
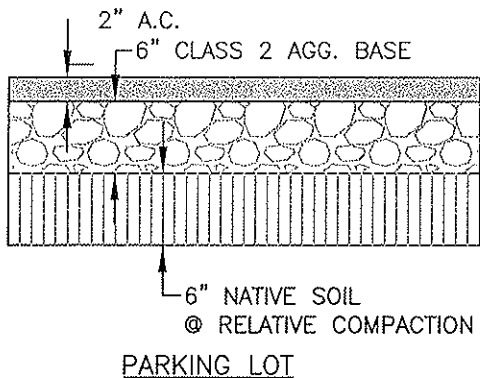
**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. **C-11a**

FILE NAME: C-11a.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06
Park Strips	S.S. 12/27/06



PLAN



NOTES:

1. A COMPLETE DRAINAGE PLAN AND PARKING STALL LAYOUT SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO ANY CONSTRUCTION.
2. MINIMUM SLOPE SHALL BE 1% FOR ASPHALT SURFACE AND 0.2% FOR FLOWLINES.
3. PROVIDE ADEQUATE DRAINAGE THROUGH APPROVED CATCH BASINS AND PIPES TO THE NEAREST STORM DRAIN SYSTEM. FLOW OVER SIDEWALKS OR LANDSCAPE AREA IS NOT PERMITTED.
4. SURFACE DRAINAGE TO ALLEY MAY BE ALLOWED ONLY BY WRITTEN APPROVAL OF THE CITY OF DINUBA.
5. WEED KILLER SHALL BE APPLIED IN ACCORDANCE WITH MFGRS. RECOMMENDATIONS, TO BASE ROCK PRIOR TO PAVING.
6. THE DESIGN SHALL MAXIMIZE ON-SITE DRAINAGE RETENTION.
7. SURFACE DRAINAGE SHALL BE TO APPROVED LOCATIONS.
8. PAVEMENT STRUCTURAL SECTION SHALL BE DESIGNED BY A REGISTERED CIVIL ENGINEER BASED UPON THE R-VALUE CALCULATIONS.

CITY COUNCIL APPROVAL: 2-27-07

Dem K. Coto
APPROVED BY CITY ENGINEER

Blanca Kettner
APPROVED BY PUBLIC WORKS DIRECTOR

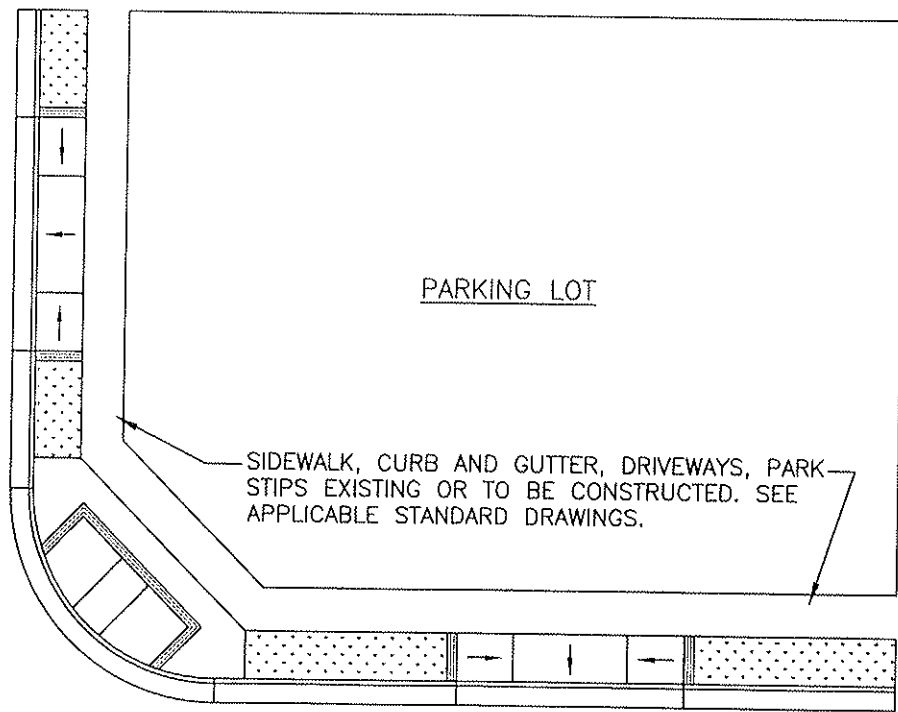
PARKING LOT REQUIREMENTS

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. P-1

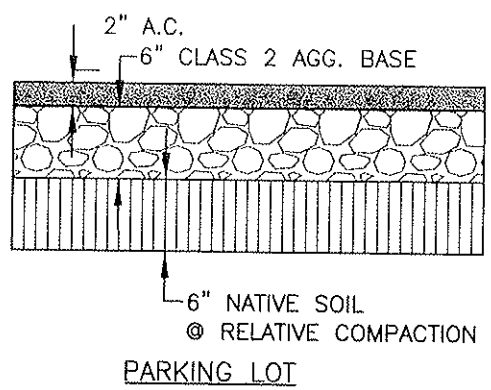
FILE NAME: P-1.dwg Dwn: C.Tamez

REVISIONS	BY	DATE
Gen Notes	T.S.	4/14/06



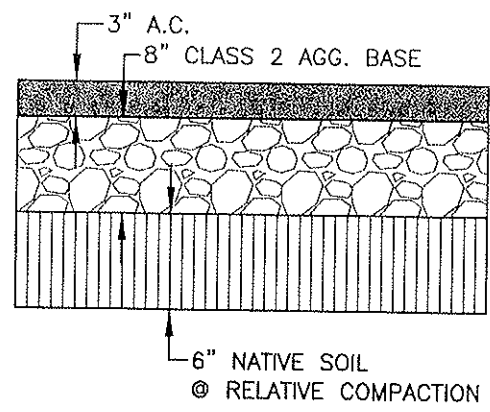
PARKING LOT

SIDEWALK, CURB AND GUTTER, DRIVEWAYS, PARK STRIPS EXISTING OR TO BE CONSTRUCTED. SEE APPLICABLE STANDARD DRAWINGS.



PARKING LOT

PLAN



INDUSTRIAL PARKING LOT

NOTES:

1. A COMPLETE DRAINAGE PLAN AND PARKING STALL LAYOUT SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO ANY CONSTRUCTION.
2. MINIMUM SLOPE SHALL BE 1% FOR ASPHALT SURFACE AND 0.2% FOR FLOWLINES.
3. PROVIDE ADEQUATE DRAINAGE THROUGH APPROVED CATCH BASINS AND PIPES TO THE NEAREST STORM DRAIN SYSTEM. FLOW OVER SIDEWALKS OR LANDSCAPE AREA IS NOT PERMITTED.
4. SURFACE DRAINAGE TO ALLEY MAY BE ALLOWED ONLY BY WRITTEN APPROVAL OF THE CITY OF DINUBA.
5. WEED KILLER SHALL BE APPLIED IN ACCORDANCE WITH MFGRS. RECOMMENDATIONS, TO BASE ROCK PRIOR TO PAVING.
6. THE DESIGN SHALL MAXIMIZE ON-SITE DRAINAGE RETENTION.
7. SURFACE DRAINAGE SHALL BE TO APPROVED LOCATIONS.
8. PAVEMENT STRUCTURAL SECTION SHALL BE DESIGNED BY A CIVIL ENGINEER BASED UPON THE R-VALUE CALCULATIONS FROM A GEOTECHNICAL ENGINEER.
9. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. Wata
APPROVED BY CITY ENGINEER

Diana Bertan
APPROVED BY PUBLIC WORKS DIRECTOR

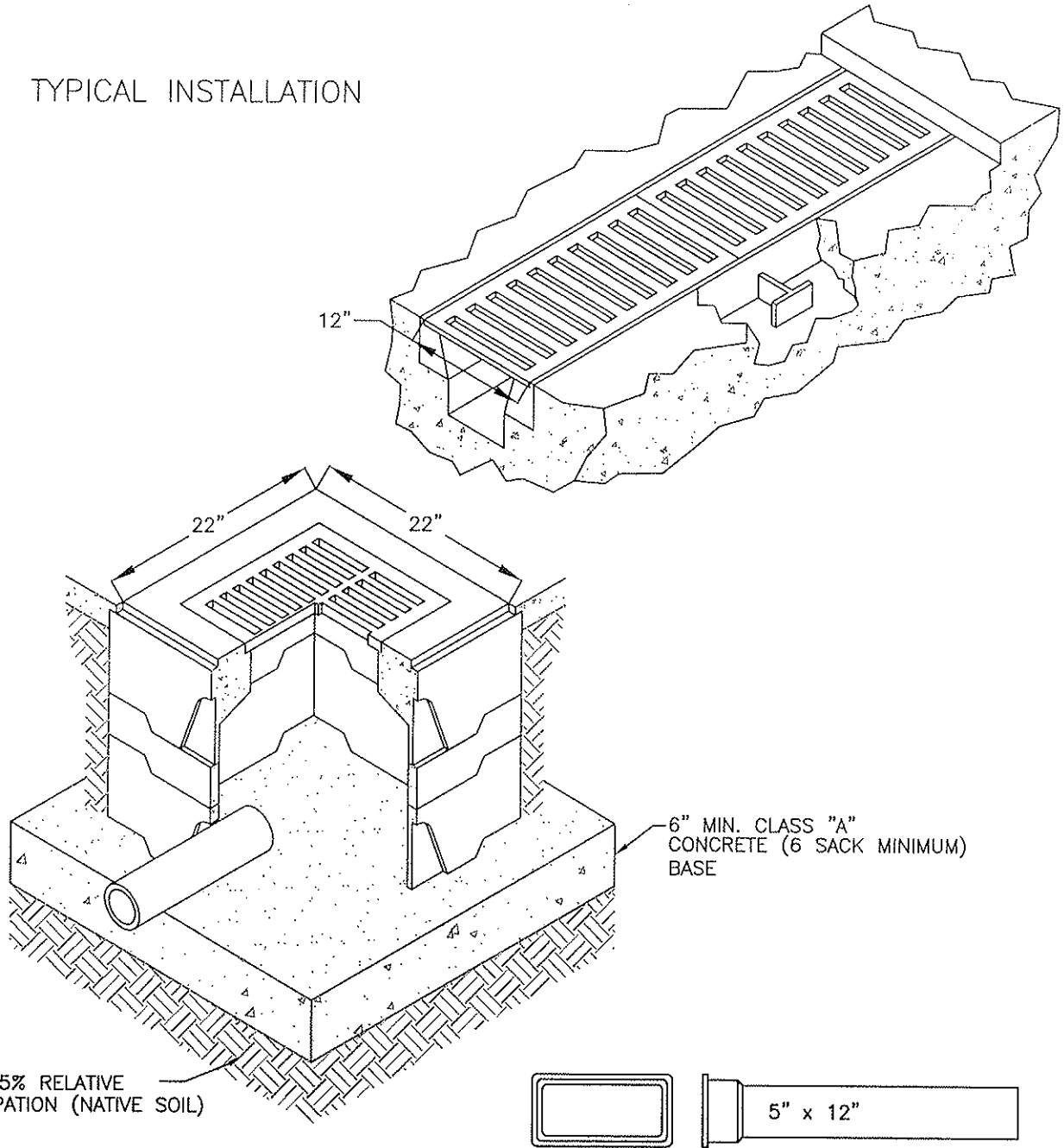
**PARKING LOT REQUIREMENTS
WITH PARK STRIPS SHOWN**

**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. **P-1a**

FILE NAME: P-1.dwg	Dwn: C.Tamez
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06
Park Strips	S.S. 12/18/06

TYPICAL INSTALLATION



6"-95% RELATIVE
COMPACTION (NATIVE SOIL)

6" MIN. CLASS "A"
CONCRETE (6 SACK MINIMUM)
BASE

5" x 12"

NOTES:

1. RECTANGULAR CAST IRON TRENCH GRATE TO BE USED BETWEEN CONCRETE DRIVEWAY AND PARKING LOT PAVEMENT "CHRISTY" TYPE 'U' INLETS AND GRATES
2. DRAIN TRENCH UNDER SIDEWALK TO STREET GUTTER MAY BE USED UPON APPROVAL FROM THE DEVELOPMENT SERVICES DEPARTMENT.
3. THIS ABOVE TO BE USED ONLY IF UNDERGROUND CITY STORM DRAIN LINE NOT AVAILABLE AND STREET DRAINAGE IS UTILIZED.
4. ON-SITE AREA CATCH BASINS WITH NOT LESS THAN 12" DIAMETER STORM DRAIN PIPE MAY BE USED IF EXISTING UNDERGROUND STORM DRAIN IS AVAILABLE. QUIKSET DB1818 'CHRISTY' V-64 REFERENCE ONLY.

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Wotr
APPROVED BY CITY ENGINEER

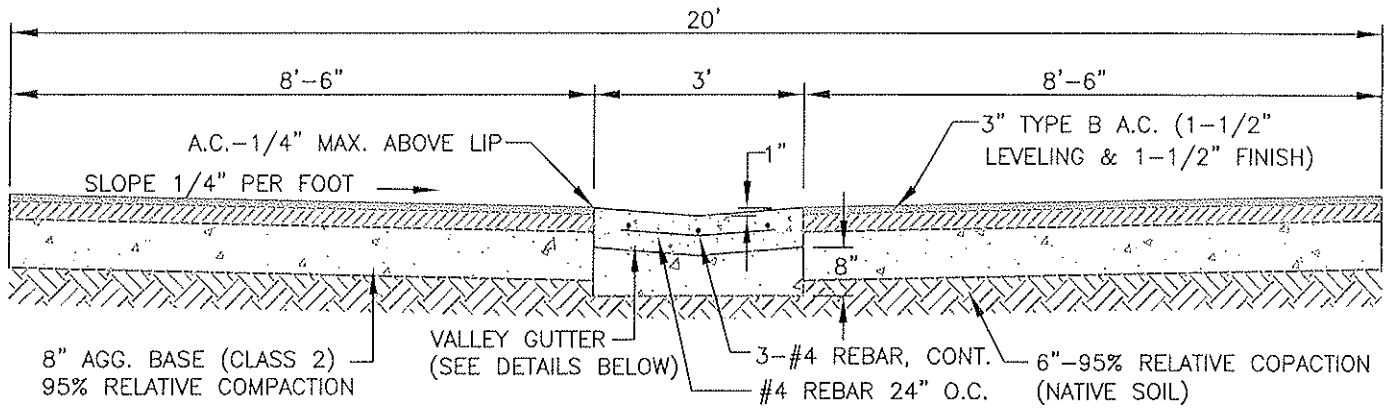
Blanca Keltner
APPROVED BY PUBLIC WORKS DIRECTOR

PARKING LOT DRAINAGE DETAILS

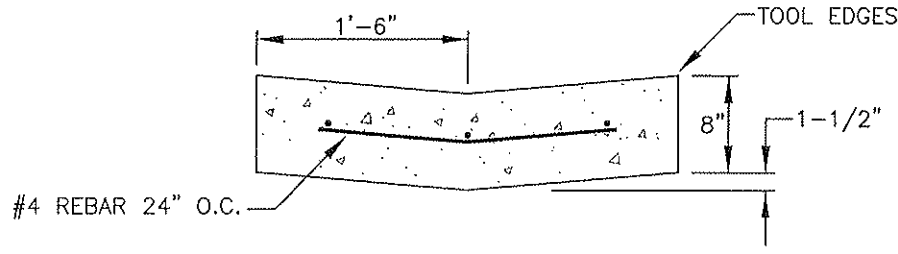
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **P-2**

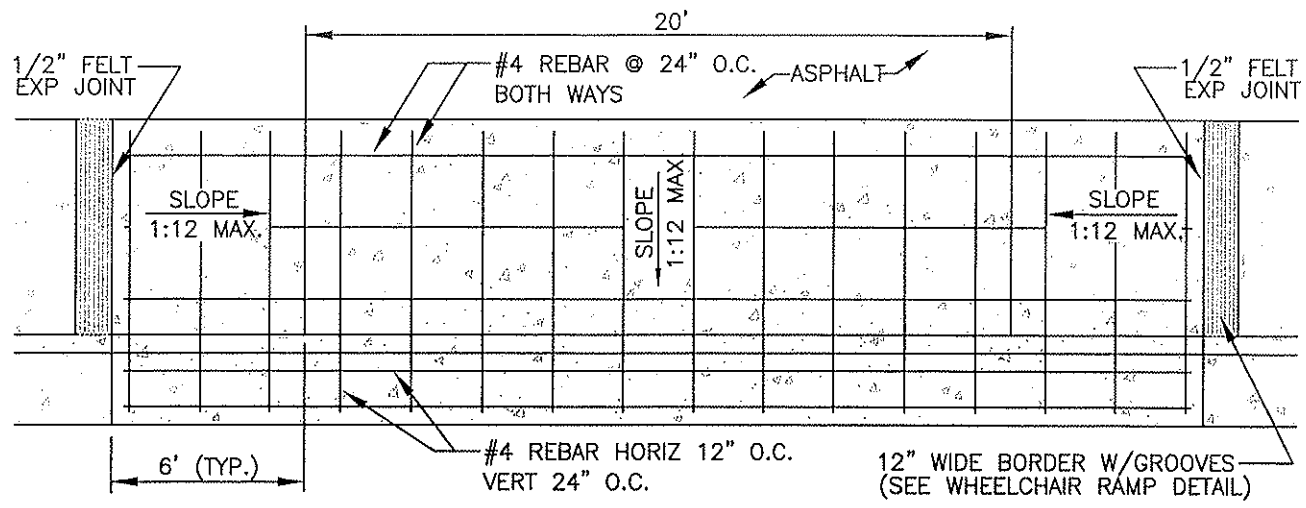
FILE NAME: P-2.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, Callouts	T.S. 4/14/06



ALLEY CROSS SECTION



VALLEY GUTTER, END



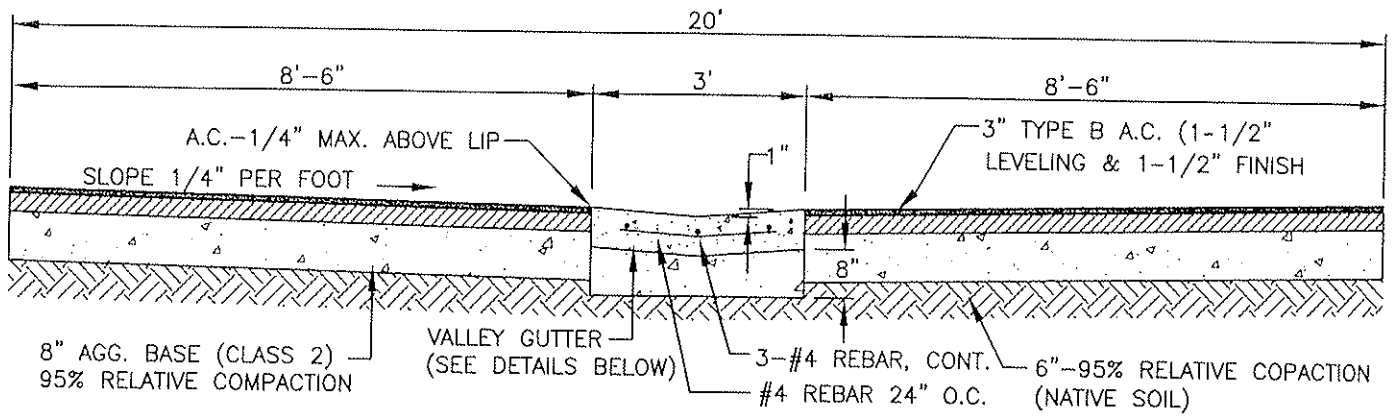
ALLEY APPROACH

- NOTES:
1. SEE COMMERCIAL AND INDUSTRIAL DRIVEWAY DETAIL AND ALLEY DETAILS FOR ADDITIONAL CONSTRUCTION NOTES.
 2. CONCRETE SHALL BE TYPE "A" (6 SACK MINIMUM).
 3. MINIMUM APPROACH THICKNESS SHALL BE 8 INCHES.

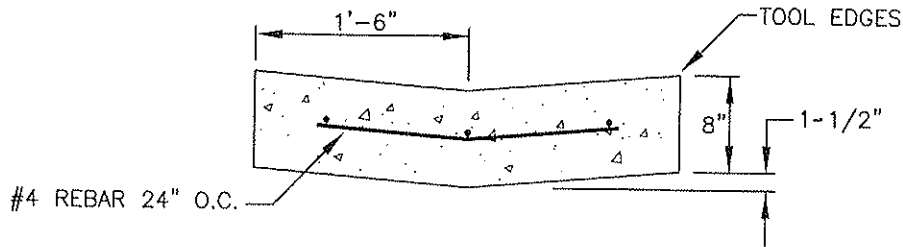
CITY COUNCIL APPROVAL: 2-27-07
Alan K. Wata
 APPROVED BY CITY ENGINEER
James Catron
 APPROVED BY PUBLIC WORKS DIRECTOR

COMMERCIAL & RESIDENTIAL ALLEYS
 CITY OF DINUBA
 Public Improvement Standards

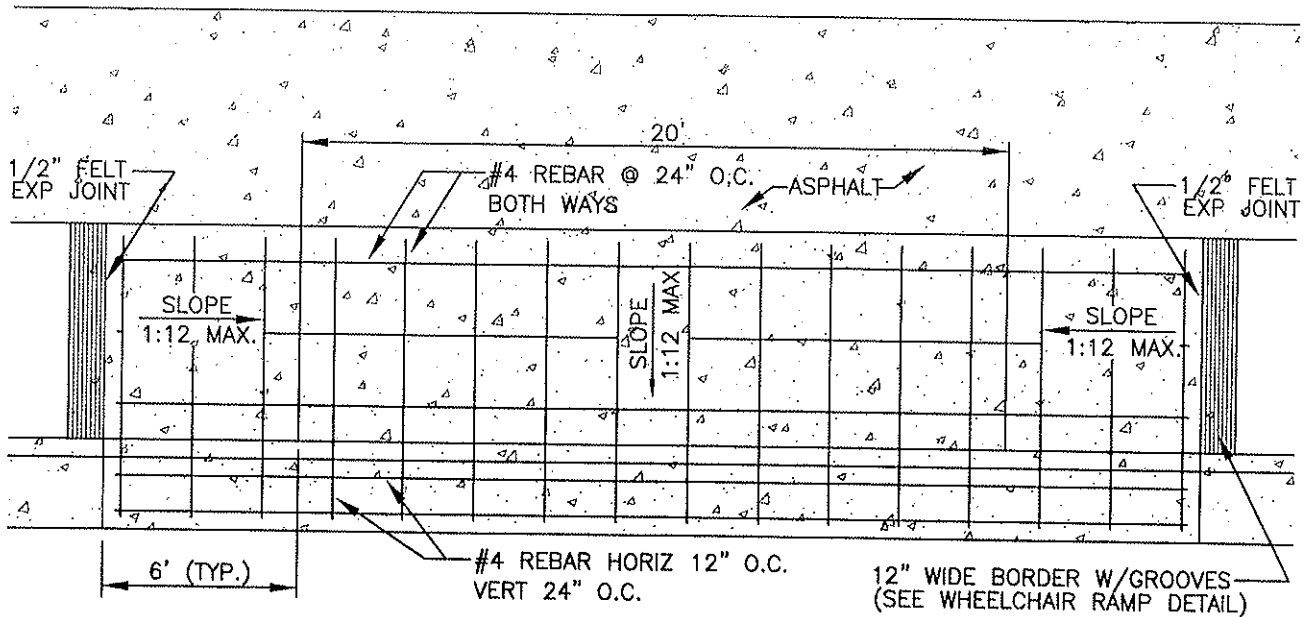
DRAWING NO. P-3	
FILE NAME: P-3.dwg	Dwn: Tamez
REVISIONS	BY DATE
Callouts	T.S. 4/14/06



ALLEY CROSS SECTION



VALLEY GUTTER, END



ALLEY APPROACH

NOTES:

1. SEE COMMERCIAL AND INDUSTRIAL DRIVEWAY DETAIL AND ALLEY DETAILS FOR ADDITIONAL CONSTRUCTION NOTES.
2. CONCRETE SHALL BE TYPE "A" (6 SACK MINIMUM).
3. MINIMUM APPROACH THICKNESS SHALL BE 8 INCHES.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Uota
APPROVED BY CITY ENGINEER

Diana Burton
APPROVED BY PUBLIC WORKS DIRECTOR

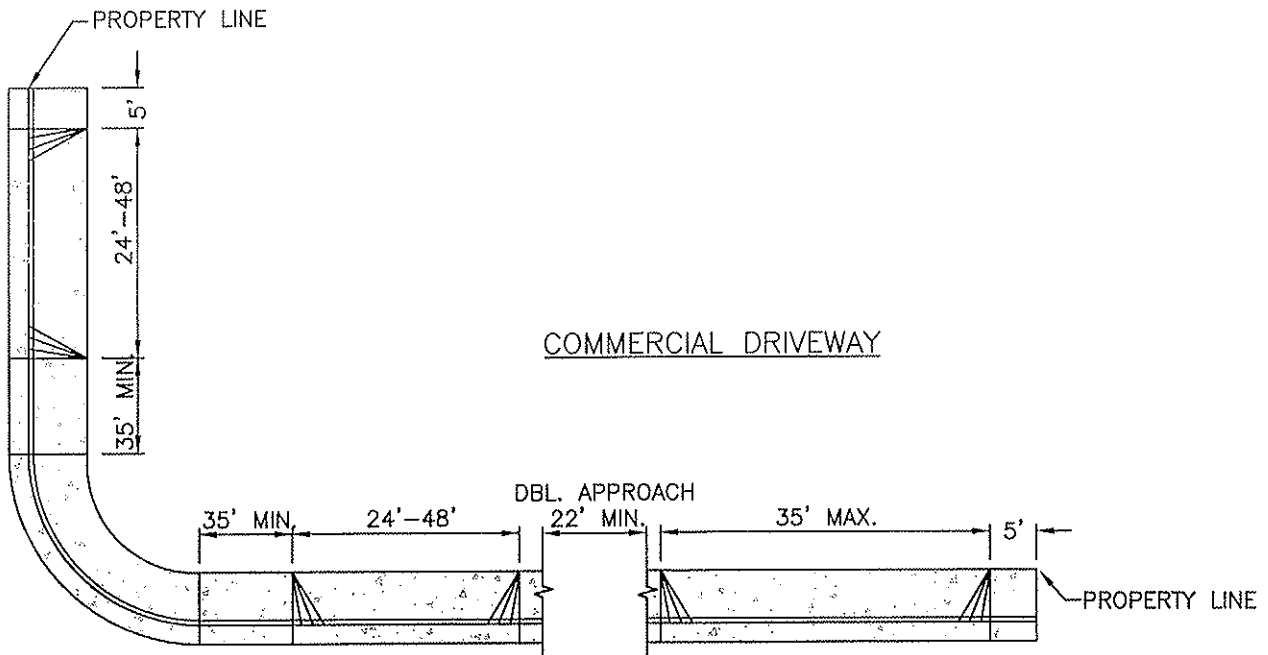
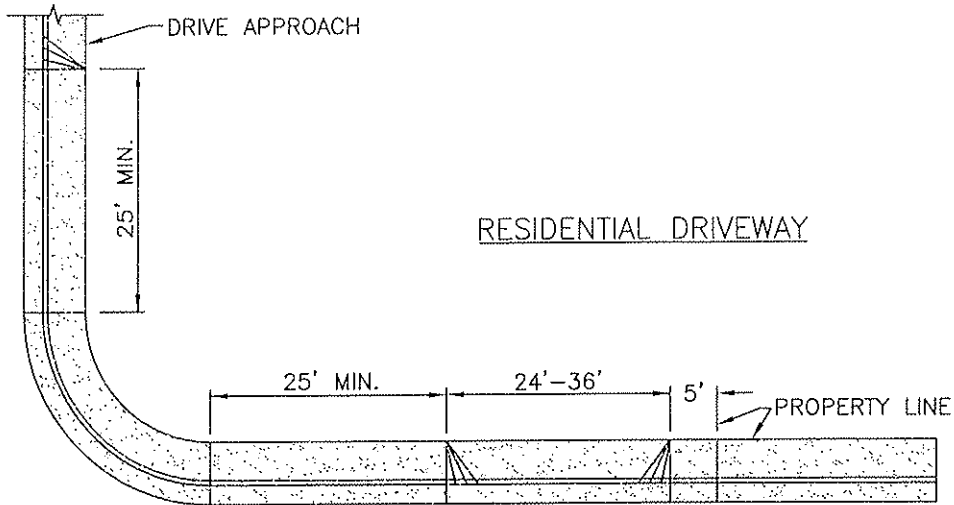
COMMERCIAL & RESIDENTIAL
ALLEYS WITH PARK STRIPS

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

P-3a

FILE NAME: P-3.dwg	Dwn: Tamez
REVISIONS	BY DATE
Callouts	T.S. 4/14/06
Park Strips	S.S. 12/18/06



NOTES:

1. 22' MINIMUM DISTANCE BETWEEN DOUBLE APPROACH.
2. CONCRETE WORK SHALL BE TYPE "A" (5 SACK MINIMUM) RESIDENTIAL AND TYPE "A" (6 SACK MINIMUM) COMMERCIAL/INDUSTRIAL.
3. NOT MORE THAN 50% OF FRONTAGE SHALL BE USED AS DRIVE APPROACH.
4. EXPANSION JOINTS 1/2" WIDE SHALL BE INSTALLED ON BOTH SIDES OF APPROACH AT RIGHT ANGLES TO BACK OF CURB.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Upton
APPROVED BY CITY ENGINEER

Stanley K. Bettram
APPROVED BY PUBLIC WORKS DIRECTOR

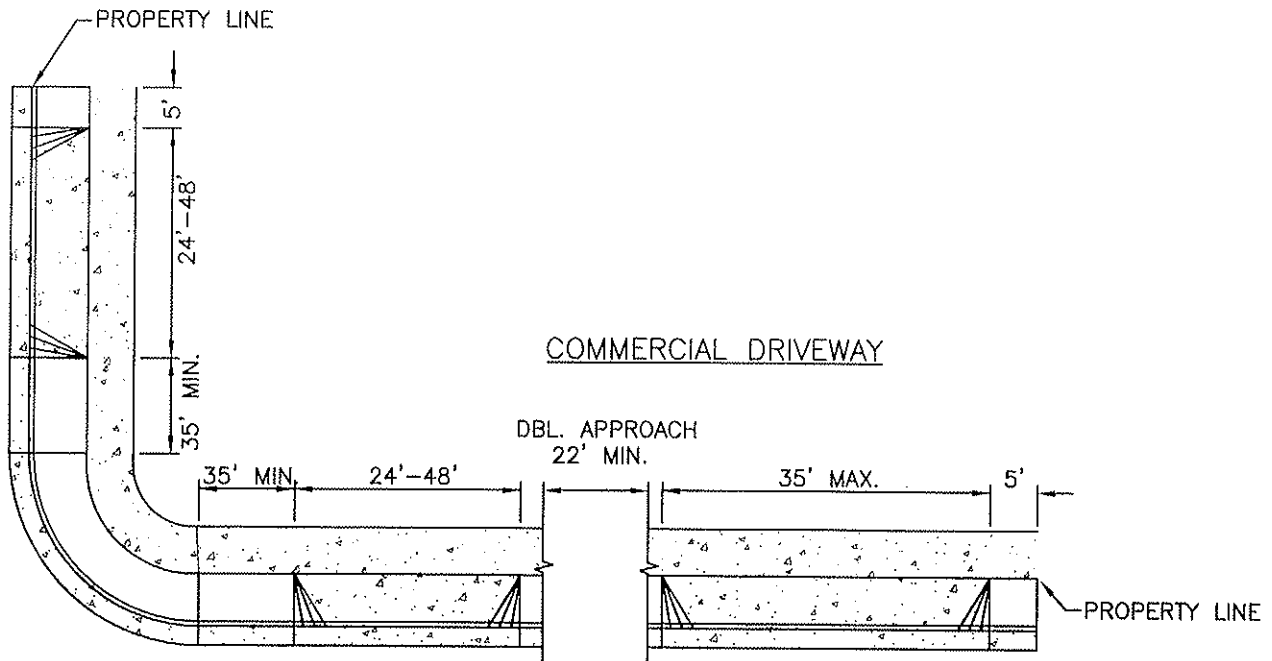
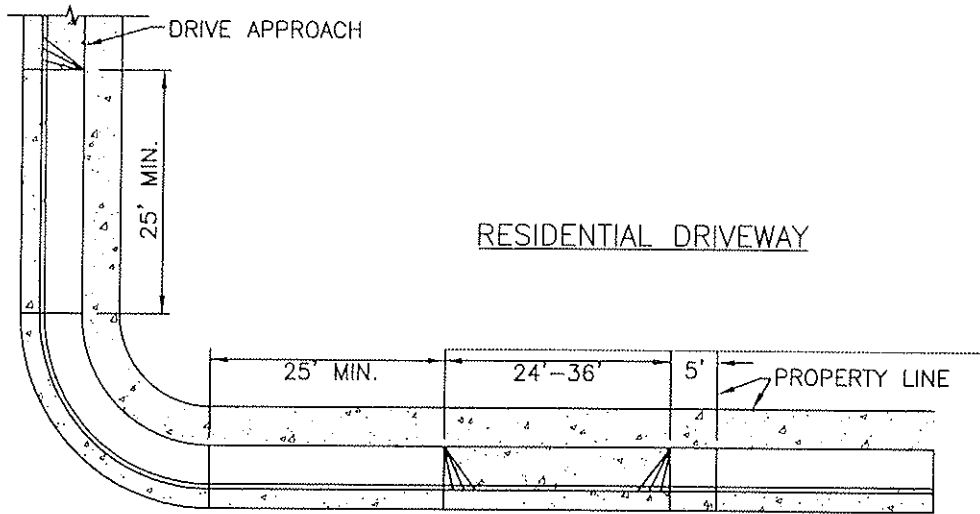
DRIVEWAY APPROACH DETAILS

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

P-4

FILE NAME: P-4.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06



NOTES:

1. 22' MINIMUM DISTANCE BETWEEN DOUBLE APPROACH.
2. CONCRETE WORK SHALL BE TYPE "A" (5 SACK MINIMUM) RESIDENTIAL AND TYPE "A" (6 SACK MINIMUM) COMMERCIAL/INDUSTRIAL.
3. NOT MORE THAN 50% OF FRONTAGE SHALL BE USED AS DRIVE APPROACH.
4. EXPANSION JOINTS 1/2" WIDE SHALL BE INSTALLED ON BOTH SIDES OF APPROACH AT RIGHT ANGLES TO BACK OF CURB.

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Upton
APPROVED BY CITY ENGINEER

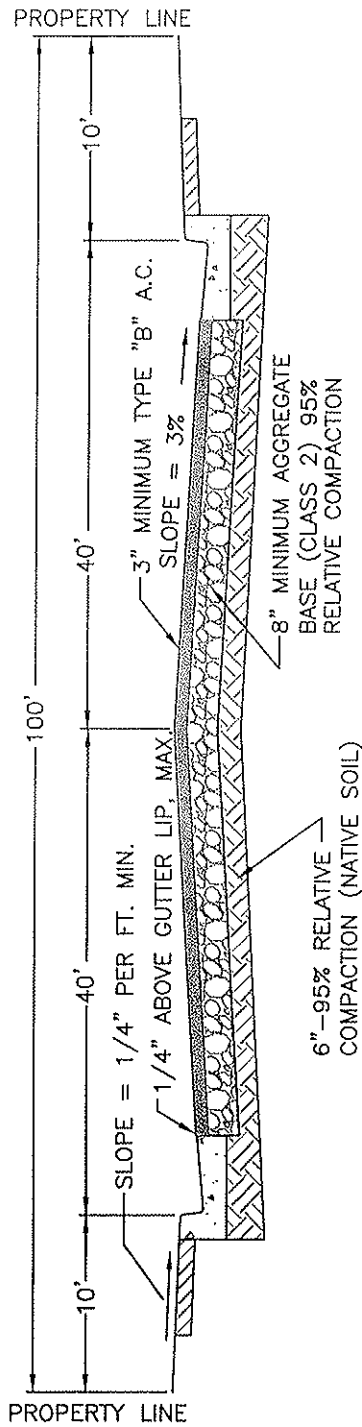
Donna G. Butler
APPROVED BY PUBLIC WORKS DIRECTOR

**DRIVEWAY APPROACH DETAILS
WITH PARK STRIPS**

**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. **P-4a**

FILE NAME: P-4.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06
Park Strips	S.S. 12/18/06



DEFINITION:
A STREET THAT SERVES A LARGE VOLUME OF VEHICULAR TRAFFIC WITH INTERSECTIONS AT GRADE AND GENERALLY HAVING DIRECT ACCESS TO ABUTTING, PROPERTY, AND ON WHICH GEOMETRIC DESIGN AND TRAFFIC CONTROL MEASURES ARE USED TO EXPEDITE THE SAFE MOVEMENT OF THROUGH TRAFFIC.

- NOTES:**
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE AND TRAFFIC INDEX BASED CALCULATIONS BY A REGISTERED CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.

CITY COUNCIL APPROVAL: 2-27-07

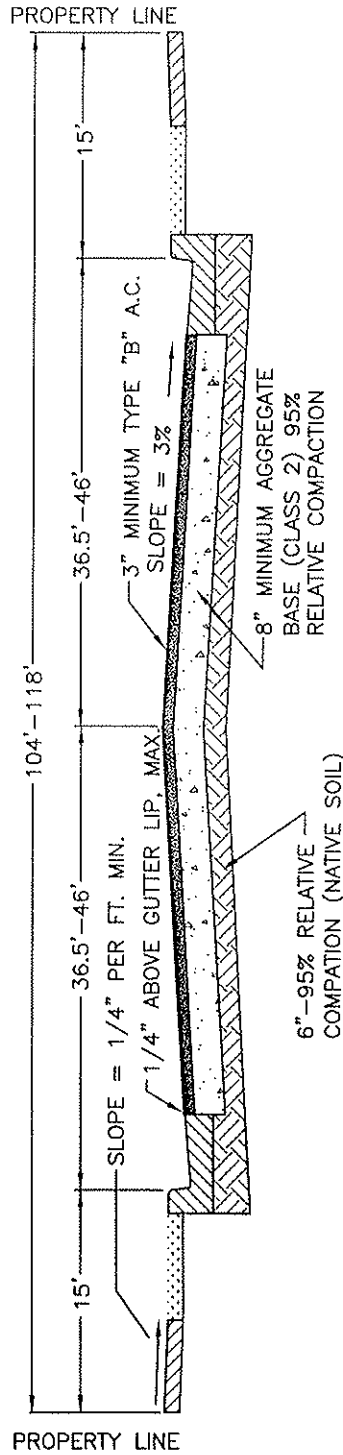
Ryan K. Wolf
APPROVED BY CITY ENGINEER

David C. Burtan
APPROVED BY PUBLIC WORKS DIRECTOR

ARTERIAL STREET (100' R.O.W.)

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. P-5	
FILE NAME: P-5.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, 'R' Value	T.S. 4/14/06



DEFINITION:
 A STREET THAT SERVES A LARGE VOLUME OF VEHICULAR TRAFFIC WITH INTERSECTIONS AT GRADE AND GENERALLY HAVING DIRECT ACCESS TO ABUTTING, PROPERTY, AND ON WHICH GEOMETRIC DESIGN AND TRAFFIC CONTROL MEASURES ARE USED TO EXPEDITE THE SAFE MOVEMENT OF THROUGH TRAFFIC.

NOTES:

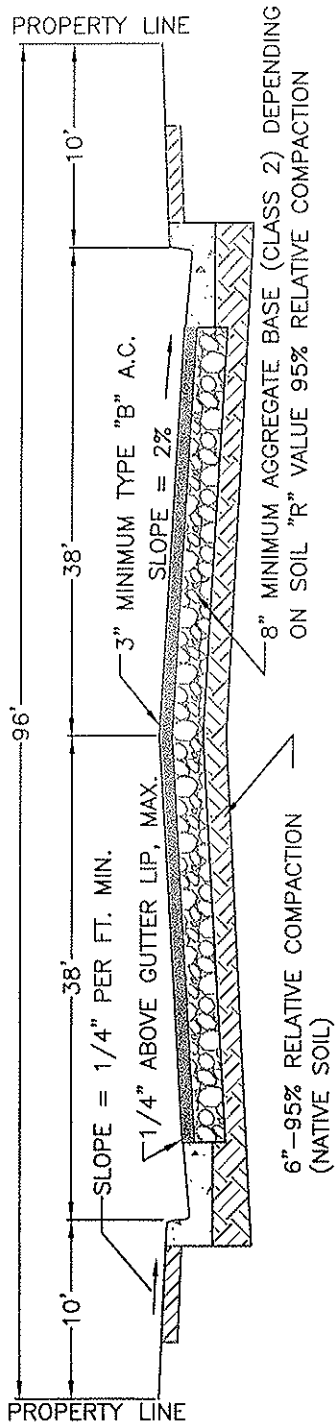
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE BASED CALCULATIONS BY A CIVIL ENGINEER.
2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.
4. R-VALUE AND PAVEMENT CALCULATIONS SHALL BE SUBMITTED TO THE CITY OF DINUBA BY A GEOTECHNICAL ENGINEER.
5. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07
Don K. Uota
 APPROVED BY CITY ENGINEER
Diana Keenan
 APPROVED BY PUBLIC WORKS DIRECTOR

ARTERIAL STREET WITH PARK STRIPS

CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. P-5a	
FILE NAME: P-5a.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, 'R' Value	T.S. 4/14/06
Park Strips	S.S. 12/22/06



DEFINITION:
A STREET THAT SERVES ABUTTING PROPERTY AND CARRIES TRAFFIC TO THE ARTERIALS.

NOTES:

1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE AND TRAFFIC INDEX BASED CALCULATIONS BY A REGISTERED CIVIL ENGINEER.
2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. Voth
APPROVED BY CITY ENGINEER

Blanca Brito
APPROVED BY PUBLIC WORKS DIRECTOR

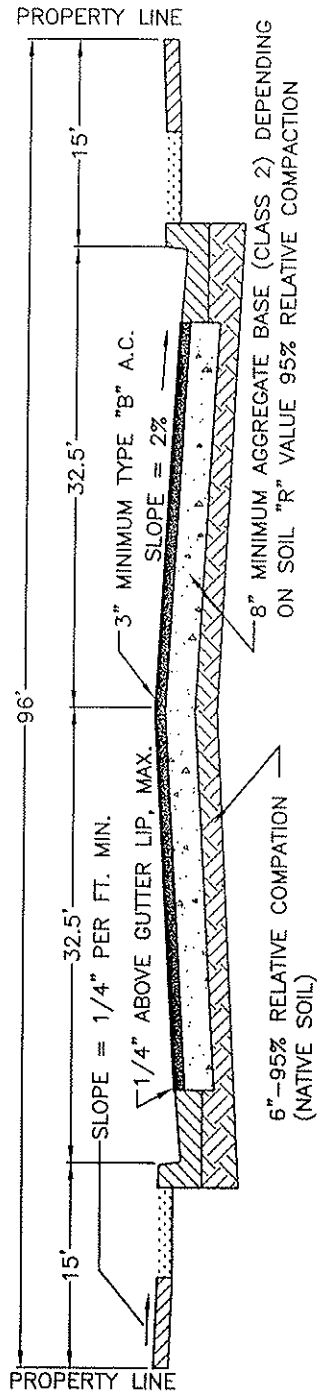
ARTERIAL STREET (96' R.O.W.)

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

P-6

FILE NAME: P-6.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, 'R' Value	T.S. 4/14/06



DEFINITION:
A STREET THAT SERVES ABUTTING PROPERTY AND CARRIES TRAFFIC TO THE ARTERIALS.

- NOTES:
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE BASED CALCULATIONS BY A CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.
 4. R-VALUE AND PAVEMENT CALCULATIONS SHALL BE SUBMITTED TO THE CITY OF DINUBA BY A GEOTECHNICAL ENGINEER.
 5. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. Hoto
APPROVED BY CITY ENGINEER

Diana Kuttan
APPROVED BY PUBLIC WORKS DIRECTOR

ARTERIAL STREET (96' R.O.W.) WITH PARK STRIPS

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

P-6a

FILE NAME: P-6a.dwg

Dwn: Tamez

REVISIONS

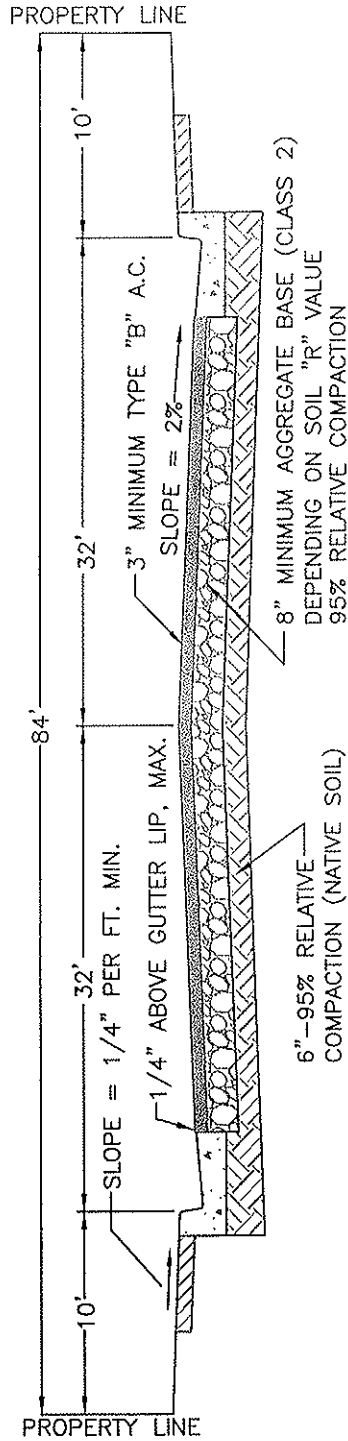
BY DATE

Gen Notes, 'R' Value

T.S. 4/14/06

Park Strips

S.S. 12/22/06



DEFINITION:
A STREET THAT SERVES ABUTTING PROPERTY AND CARRIES TRAFFIC TO THE ARTERIALS.

- NOTES:
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE AND TRAFFIC INDEX BASED CALCULATIONS BY A REGISTERED CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.

CITY COUNCIL APPROVAL: 2-27-07

Gene K. Uto
APPROVED BY CITY ENGINEER

Domeno Bettran
APPROVED BY PUBLIC WORKS DIRECTOR

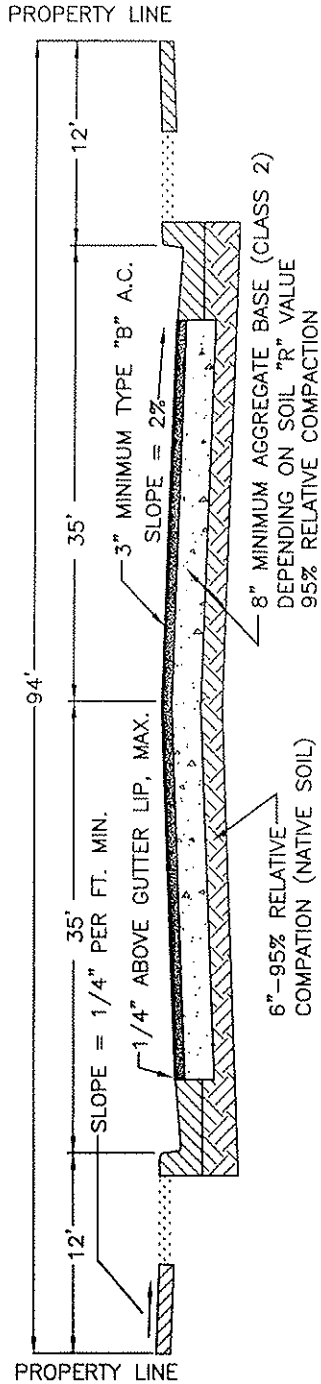
**MAJOR COLLECTOR STREET
(84' R.O.W.)**

**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO.

P-7

FILE NAME: P-7.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, 'R' Value	T.S. 4/14/06



DEFINITION:
A STREET THAT SERVES ABUTTING PROPERTY AND CARRIES TRAFFIC TO THE ARTERIALS.

- NOTES:
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE BASED CALCULATIONS BY A CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.
 4. R-VALUE AND PAVEMENT CALCULATIONS SHALL BE SUBMITTED TO THE CITY OF DINUBA BY A GEOTECHNICAL ENGINEER.
 5. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Upton
APPROVED BY CITY ENGINEER

James Petrus
APPROVED BY PUBLIC WORKS DIRECTOR

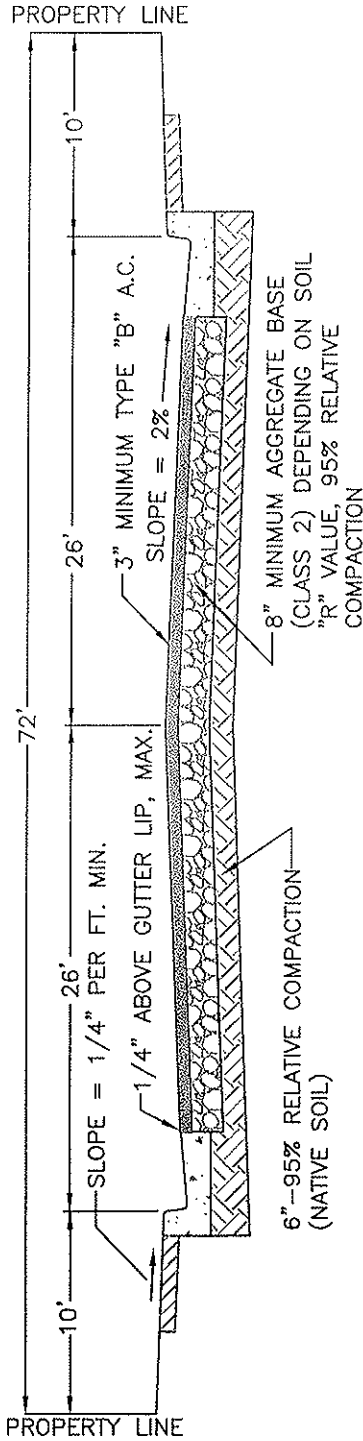
**MAJOR COLLECTOR STREET
(94' R.O.W.) WITH PARK STRIPS**

**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO.

P-7a

FILE NAME: P-7a.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, 'R' Value	T.S. 4/14/06
Park Strips	S.S. 12/22/06



DEFINITION:
A STREET THAT SERVES ABUTTING PROPERTY AND CARRIES TRAFFIC TO THE ARTERIALS.

- NOTES:
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE AND TRAFFIC INDEX BASED CALCULATIONS BY A REGISTERED CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.
 4. MAX. LENGTH 990' WITHOUT INTERVENING STREET, MIN. LENGTH 660'.

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Costa
APPROVED BY CITY ENGINEER

Blanca Gutierrez
APPROVED BY PUBLIC WORKS DIRECTOR

MINOR COLLECTOR STREET
(72' R.O.W.)

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

P-8

FILE NAME: P-8.dwg

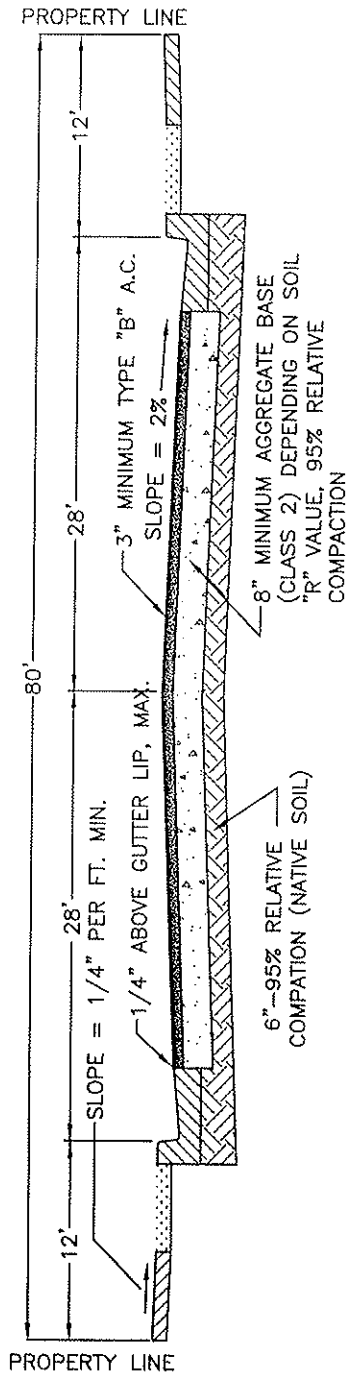
Dwn: Tamez

REVISIONS

BY DATE

Gen Notes, 'R' Value

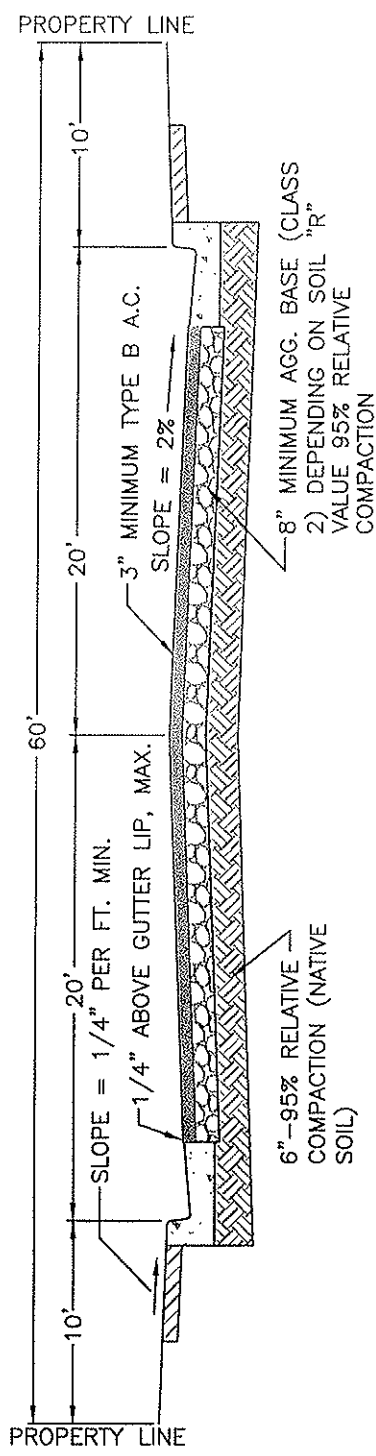
T.S. 4/14/08



DEFINITION:
A STREET THAT SERVES ABUTTING PROPERTY AND CARRIES TRAFFIC TO THE ARTERIALS.

- NOTES:
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE BASED CALCULATIONS BY A CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.
 4. R-VALUE AND PAVEMENT CALCULATIONS SHALL BE SUBMITTED TO THE CITY OF DINUBA BY A GEOTECHNICAL ENGINEER.
 5. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07	<p align="center">MINOR COLLECTOR STREET (80' R.O.W.) WITH PARK STRIPS</p>	DRAWING NO. P-8a		
 APPROVED BY CITY ENGINEER		FILE NAME: P-8a.dwg	Dwn: Tamez	
 APPROVED BY PUBLIC WORKS DIRECTOR	<p align="center">CITY OF DINUBA Public Improvement Standards</p>	REVISIONS	BY	DATE
Gen Notes, 'R' Value		T.S.	4/14/06	
Park Strips		S.S.	12/22/06	



DEFINITION:
A STREET THAT SERVES THE LOCAL NEEDS OF RESIDENTIAL PROPERTIES IN A NEIGHBORHOOD.

- NOTES:
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE AND TRAFFIC INDEX BASED CALCULATIONS BY A REGISTERED CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.
 4. MAX. LENGTH 990' WITHOUT INTERVENING STREET, MIN. LENGTH 660'.

CITY COUNCIL APPROVAL: 2-27-07

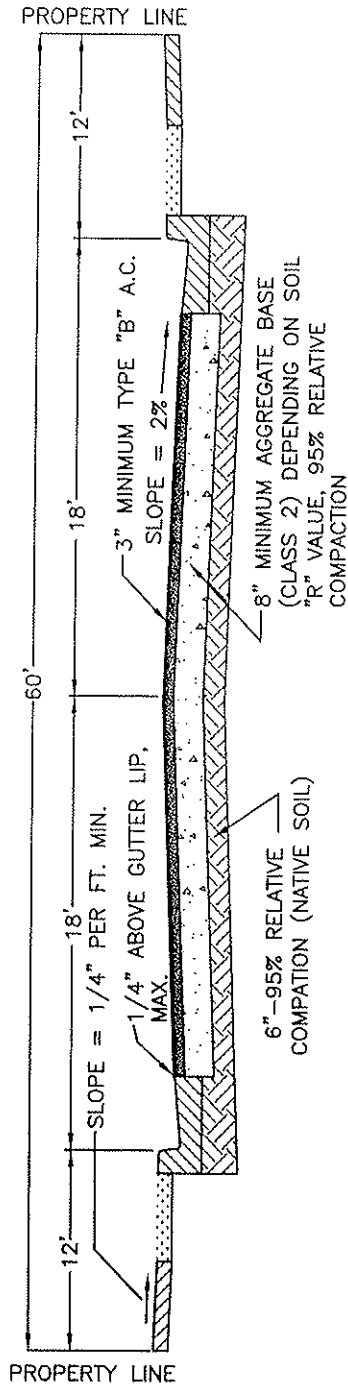
Dean K. Uoto
APPROVED BY CITY ENGINEER

Hanso Lertora
APPROVED BY PUBLIC WORKS DIRECTOR

**LOCAL COLLECTOR
STREET (60' R.O.W.)**

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. P-9	
FILE NAME: P-9.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, 'R' Value	T.S. 4/14/06



DEFINITION:
A STREET THAT SERVES THE LOCAL NEEDS OF RESIDENTIAL PROPERTIES IN A NEIGHBORHOOD.

- NOTES:
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE BASED CALCULATIONS BY A CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.
 4. R-VALUE AND PAVEMENT CALCULATIONS SHALL BE SUBMITTED TO THE CITY OF DINUBA BY A GEOTECHNICAL ENGINEER.
 5. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Dem K. Upton
APPROVED BY CITY ENGINEER

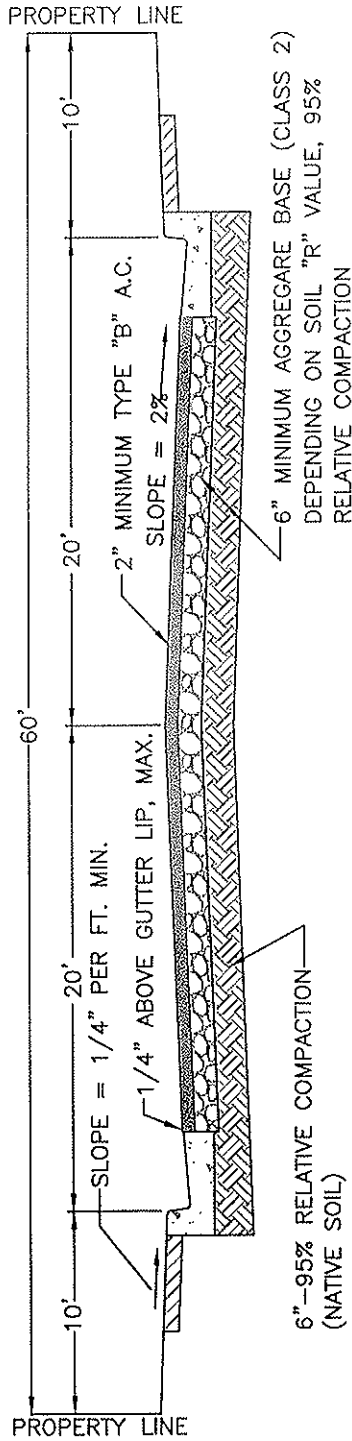
Barbara Kettner
APPROVED BY PUBLIC WORKS DIRECTOR

LOCAL COLLECTOR STREET
(60' R.O.W.) WITH PARK STRIPS

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **P-9a**

FILE NAME: P-9a.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, 'R' Value	T.S. 4/14/06
Park Strips	S.S. 12/27/06



DEFINITION:
A STREET THAT SERVES THE LOCAL NEEDS OF RESIDENTIAL PROPERTIES IN A NEIGHBORHOOD.

- NOTES:
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE AND TRAFFIC INDEX BASED CALCULATIONS BY A REGISTERED CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.
 4. MAX. LENGTH 990' WITHOUT INTERVENING STREET, MIN. LENGTH 660'.

CITY COUNCIL APPROVAL: 2-27-07

Adam K. Wotsch
APPROVED BY CITY ENGINEER

Daniel G. Lutz
APPROVED BY PUBLIC WORKS DIRECTOR

LOCAL STREET (60' R.O.W.)

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

P-10

FILE NAME: P-10.dwg

Dwn: Tamez

REVISIONS

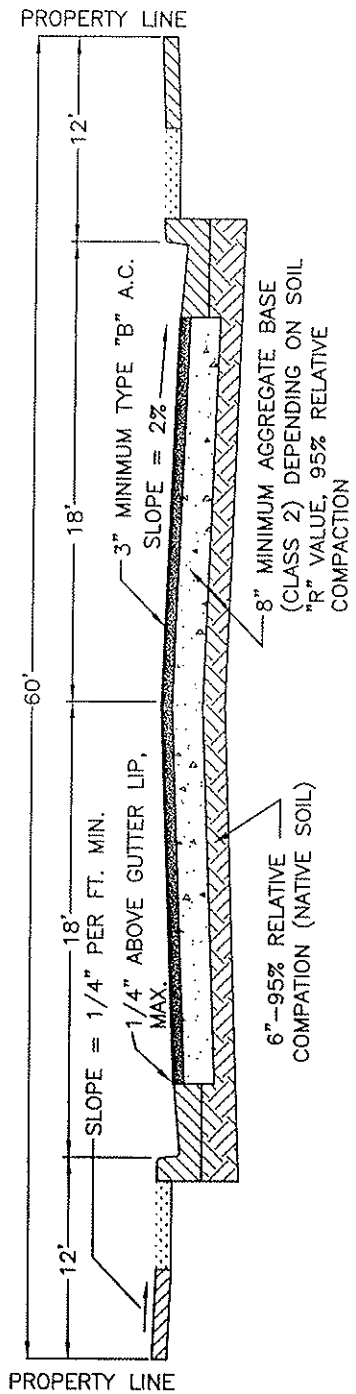
BY

DATE

Gen Notes, 'R' Value

T.S.

4/14/06



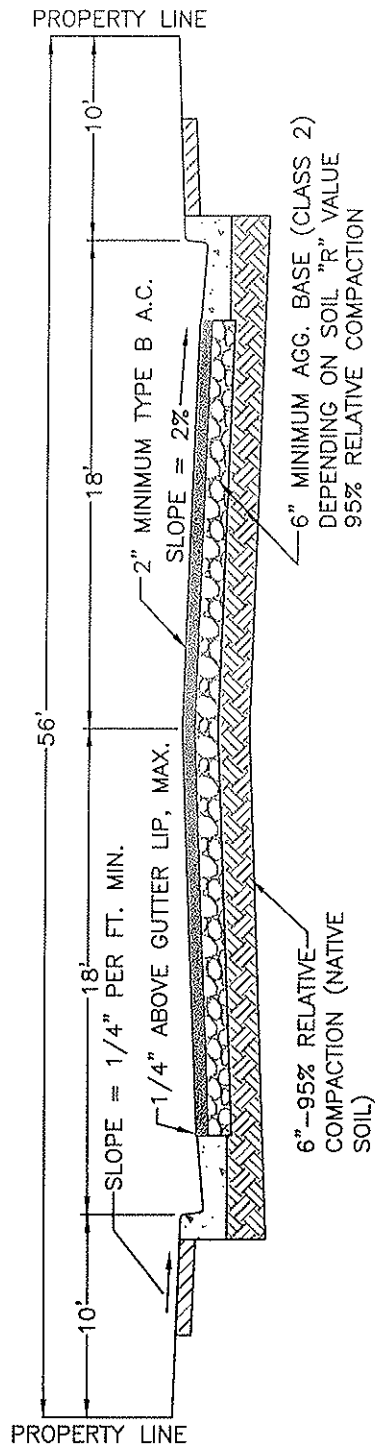
DEFINITION:
A STREET THAT SERVES THE LOCAL NEEDS OF RESIDENTIAL PROPERTIES IN A NEIGHBORHOOD.

- NOTES:
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE BASED CALCULATIONS BY A CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.
 4. MAX. LENGTH 990' WITHOUT INTERVENING STREET, MIN. LENGTH 660'.
 5. R-VALUE AND PAVEMENT CALCULATIONS SHALL BE SUBMITTED TO THE CITY OF DINUBA BY A GEOTECHNICAL ENGINEER.
 6. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07
Dean K. Voto
 APPROVED BY CITY ENGINEER
Diana K. Burton
 APPROVED BY PUBLIC WORKS DIRECTOR

**LOCAL STREET (60' R.O.W.)
 WITH PARK STRIPS**
 CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. P-10a	
FILE NAME: P-10a.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, 'R' Value	T.S. 4/14/06
Park Strips	S.S. 12/27/06



- NOTES:
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE AND TRAFFIC INDEX BASED CALCULATIONS BY A REGISTERED CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Wito
APPROVED BY CITY ENGINEER

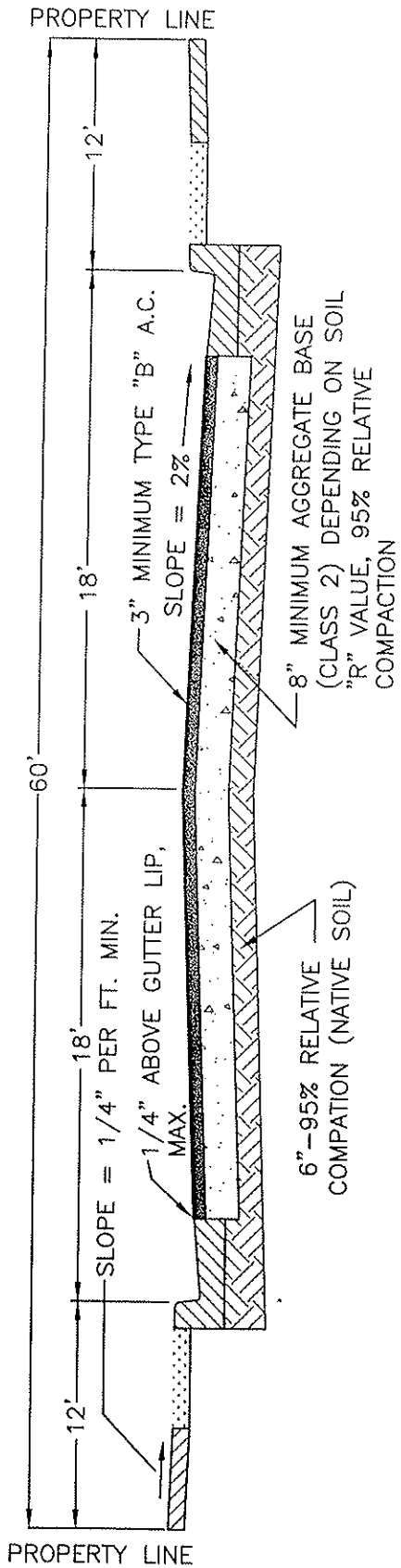
Thomas Pettr
APPROVED BY PUBLIC WORKS DIRECTOR

LOCAL STREET (56' R.O.W.)

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **P-11**

FILE NAME: P-11.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, 'R' Value	T.S. 4/14/06



- NOTES:
- DESIGN CRITERION: TRAFFIC INDEX SHALL BE DETERMINED BY THE CITY ENGINEER.
 - STRUCTURAL SECTIONS SHALL BE DESIGNED BY AN ACCEPTED FLEXIBLE PAVEMENT DESIGN METHOD.
 - ASPHALT CONCRETE SHALL BE TYPE B, 1/2" AGGREGATE MAXIMUM, MEDIUM GRADE MIX PER CALTRANS STANDARDS.
 - TACK COAT IS REQUIRED AND SHALL BE APPLIED PER CALTRANS STANDARDS.
 - SELF PROPELLED PAVING MACHINES ARE REQUIRED FOR ALL INSTALLATION IN EXCESS OF 200 TONS OF ASPHALT CONCRETE.
 - ASPHALT CONCRETE COMPACTION EQUIPMENT SHALL CONSIST OF ONE STEEL-TIRED VIBRATORY ROLLER WEIGHING NOT LESS THAN EIGHT TONS AND ONE STEEL-TIRED ROLLER NOT WEIGHING LESS THAN TWELVE TONS.
 - ASPHALT CONCRETE SHALL BE PLACED ONLY WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50° F.
 - MAX. LENGTH 990' WITHOUT INTERVENING STREET, MIN. LENGTH 660'.
 - R-VALUE AND PAVEMENT CALCULATIONS SHALL BE SUBMITTED TO THE CITY OF DINUBA BY A GEOTECHNICAL ENGINEER.
 - REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Upton
APPROVED BY CITY ENGINEER

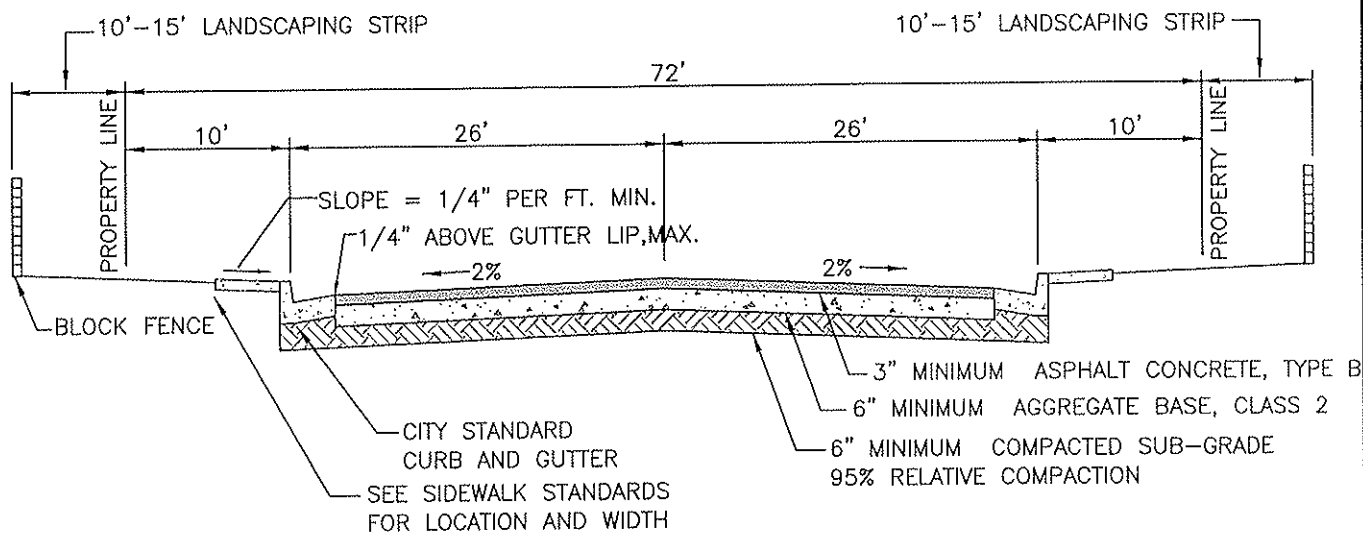
Blanca Gutierrez
APPROVED BY PUBLIC WORKS DIRECTOR

LOCAL STREET (56' R.O.W.) WITH PARK STRIP

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **P-11a**

FILE NAME: P-11a.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, 'R' Value	T.S. 4/14/06
Park Strips	S.S. 12/27/06



- NOTES:
1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE BASED CALCULATIONS BY A REGISTERED CIVIL ENGINEER.
 2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
 3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.
 4. MAX. LENGTH 990' WITHOUT INTERVENING STREET, MIN. LENGTH 660'.

CITY COUNCIL APPROVAL: 2-27-07

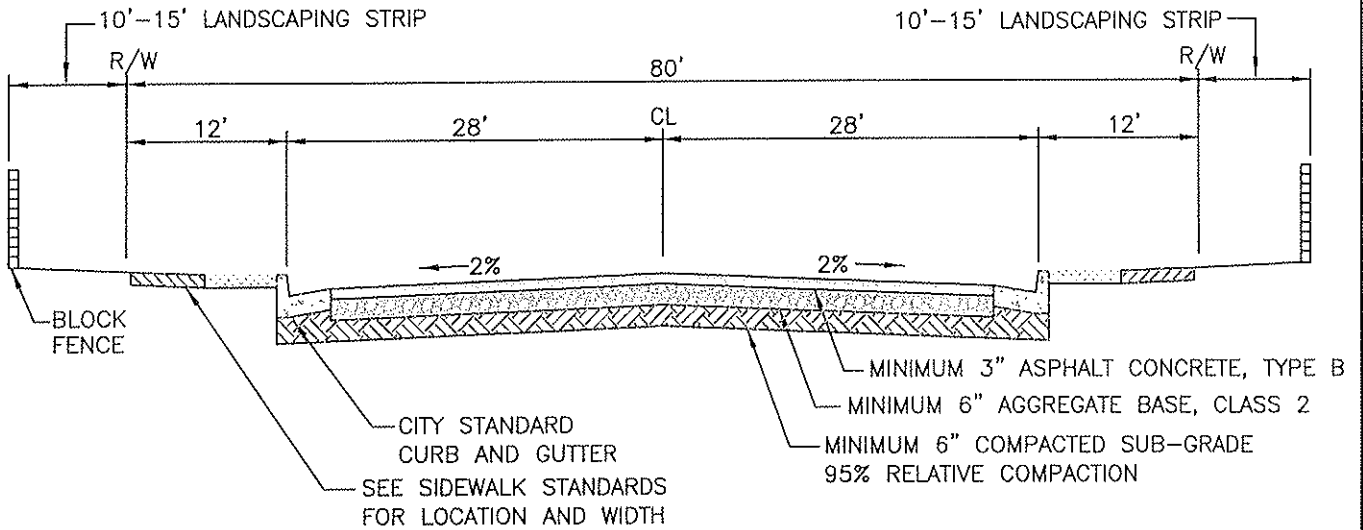
Don K. Upton
APPROVED BY CITY ENGINEER

Shirley Kuttan
APPROVED BY PUBLIC WORKS DIRECTOR

**COLLECTOR WITH
LANDSCAPE EASEMENT**

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. P-12	
FILE NAME: P-12.dwg	Dwn: T. Simpson
REVISIONS	BY DATE



NOTES:

1. DESIGN CRITERION: TRAFFIC INDEX SHALL BE DETERMINED BY THE CITY ENGINEER.
2. STRUCTURAL SECTIONS SHALL BE DESIGNED BY AN ACCEPTED FLEXIBLE PAVEMENT DESIGN METHOD.
3. ASPHALT CONCRETE SHALL BE TYPE B, 1/2" AGGREGATE MAXIMUM, MEDIUM GRADE MIX PER CALTRANS STANDARDS.
4. TACK COAT IS REQUIRED AND SHALL BE APPLIED PER CALTRANS STANDARDS.
5. SELF PROPELLED PAVING MACHINES ARE REQUIRED FOR ALL INSTALLATION IN EXCESS OF 200 TONS OF ASPHALT CONCRETE.
6. ASPHALT CONCRETE COMPACTION EQUIPMENT SHALL CONSIST OF ONE STEEL-TIRED VIBRATORY ROLLER WEIGHING NOT LESS THAN EIGHT TONS AND ONE STEEL-TIRED ROLLER NOT WEIGHING LESS THAN TWELVE TONS.
7. ASPHALT CONCRETE SHALL BE PLACED ONLY WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50° F.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Wota
APPROVED BY CITY ENGINEER

Dennis C. Altia
APPROVED BY PUBLIC WORKS DIRECTOR

**COLLECTOR WITH LANDSCAPE
EASEMENT AND PARK STRIPS**

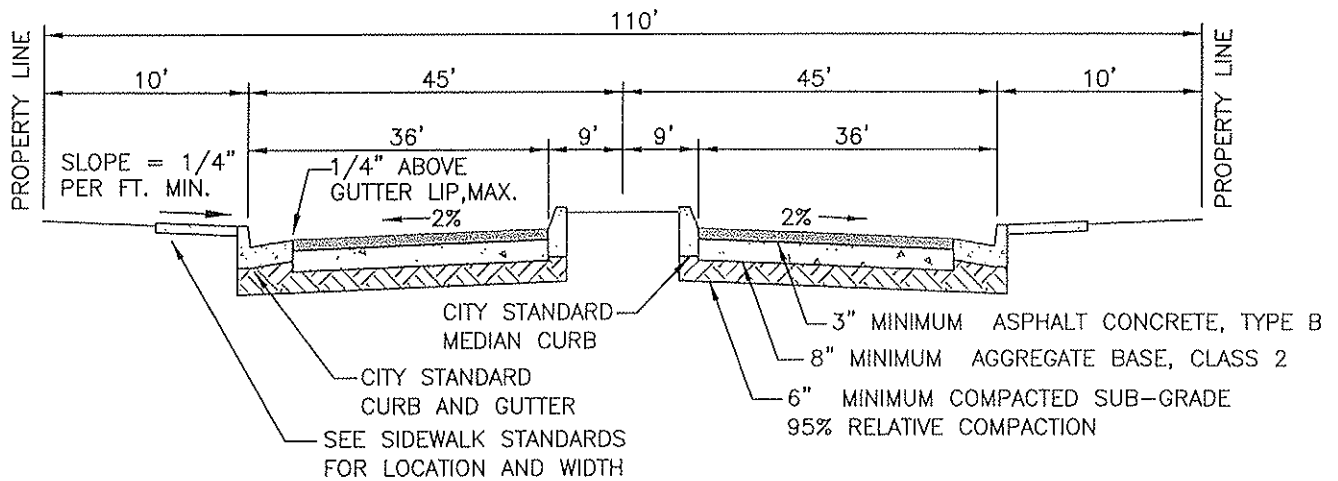
**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. **P-12a**

FILE NAME: P-12a.dwg Dwn: T. Simpson

REVISIONS BY DATE

Park Strip S.S. 12/27/06



NOTES:

1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE BASED CALCULATIONS BY A REGISTERED CIVIL ENGINEER.
2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Uota
APPROVED BY CITY ENGINEER

Barbara Clifton
APPROVED BY PUBLIC WORKS DIRECTOR

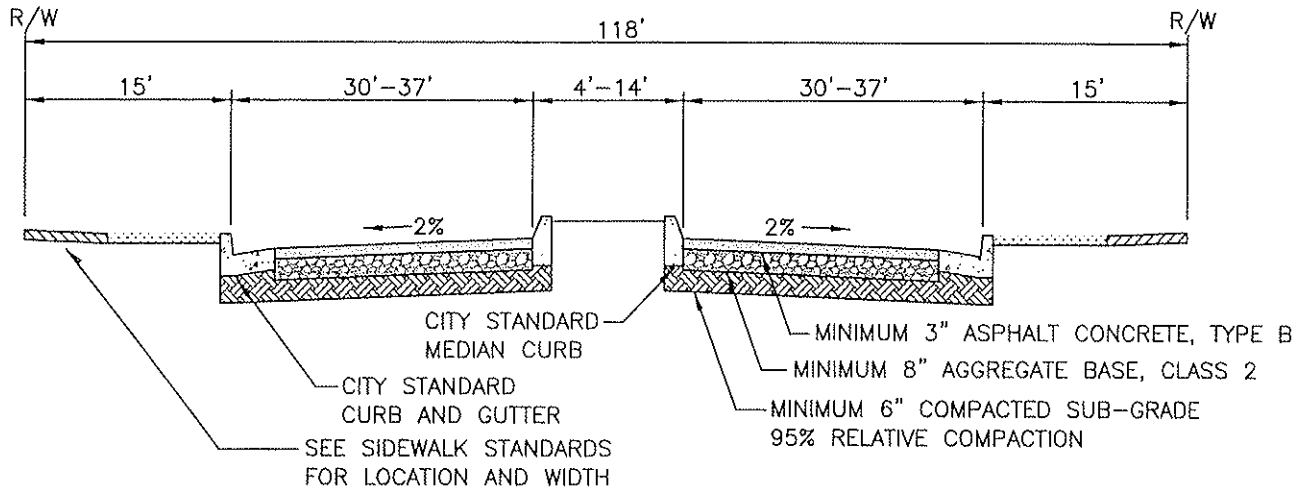
MAJOR ARTERIAL WITH MEDIAN

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **P-13**

FILE NAME: P-13.dwg Dwn: T. Simpson

REVISIONS	BY	DATE



NOTES:

1. DESIGN CRITERION: TRAFFIC INDEX SHALL BE DETERMINED BY THE CITY ENGINEER.
2. STRUCTURAL SECTIONS SHALL BE DESIGNED BY AN ACCEPTED FLEXIBLE PAVEMENT DESIGN METHOD.
3. ASPHALT CONCRETE SHALL BE TYPE B, 3/4" AGGREGATE MAXIMUM, MEDIUM GRADE MIX PER CALTRANS STANDARDS.
4. TACK COAT IS REQUIRED AND SHALL BE APPLIED PER CALTRANS STANDARDS.
5. SELF PROPELLED PAVING MACHINES ARE REQUIRED FOR ALL INSTALLATION IN EXCESS OF 200 TONS OF ASPHALT CONCRETE.
6. ASPHALT CONCRETE COMPACTION EQUIPMENT SHALL CONSIST OF ONE STEEL-TIRED VIBRATORY ROLLER WEIGHING NOT LESS THAN EIGHT TONS AND ONE STEEL-TIRED ROLLER NOT WEIGHING LESS THAN TWELVE TONS.
7. ASPHALT CONCRETE SHALL BE PLACED ONLY WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50° F.
8. WITH ADDITIONAL LANDSCAPE EASEMENTS, SIDEWALK MAY BE LOCATED OUTSIDE 110' RIGHT OF WAY TO PROVIDE ADDITIONAL PARKWAY.
9. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Upton
APPROVED BY CITY ENGINEER

Dana K. Patton
APPROVED BY PUBLIC WORKS DIRECTOR

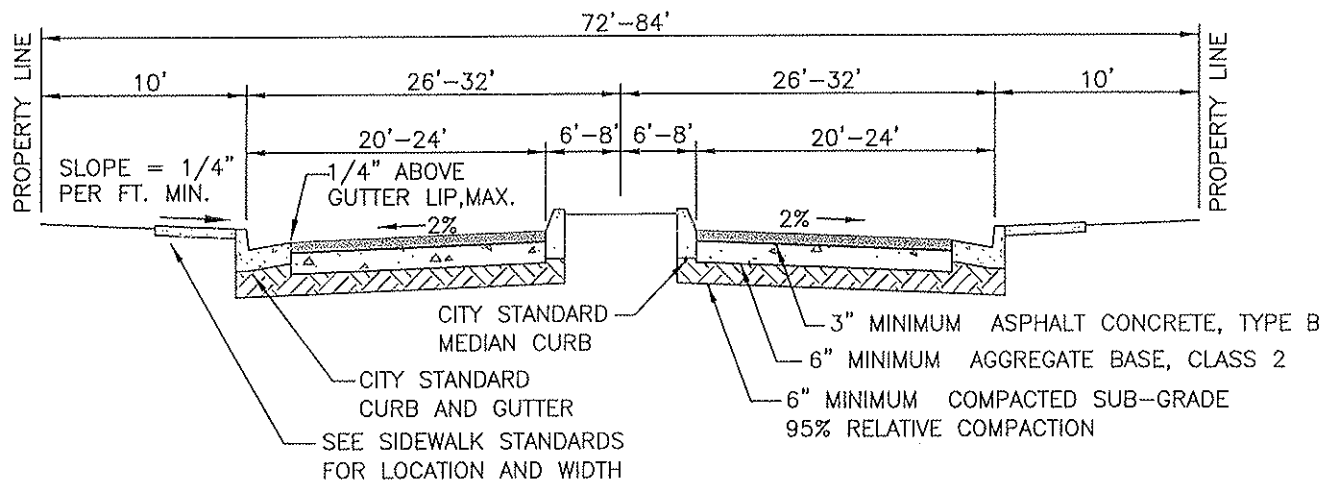
**MAJOR ARTERIAL WITH MEDIAN
WITH PARK STRIPS**

**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. **P-13a**

FILE NAME: P-13a.dwg Dwn: T. Simpson

REVISIONS	BY	DATE
Park Strips	S.S.	12/27/06



NOTES:

1. ASPHALT AND AGGREGATE BASE ARE SHOWN AT MIN. REQUIRED DEPTHS, SUBJECT TO R-VALUE BASED CALCULATIONS BY A REGISTERED CIVIL ENGINEER.
2. RECYCLED AGGREGATE BASE IS ALLOWED IF CERTIFIED PER CALTRANS STDS. & APPROVED BY CITY STAFF.
3. PROVIDE A CALTRANS CERTIFICATE OF COMPLIANCE FROM SUPPLIER FOR ALL MATERIALS.
4. MAX. LENGTH 990' WITHOUT INTERVENING STREET, MIN. LENGTH 660'.

CITY COUNCIL APPROVAL: 2-27-07

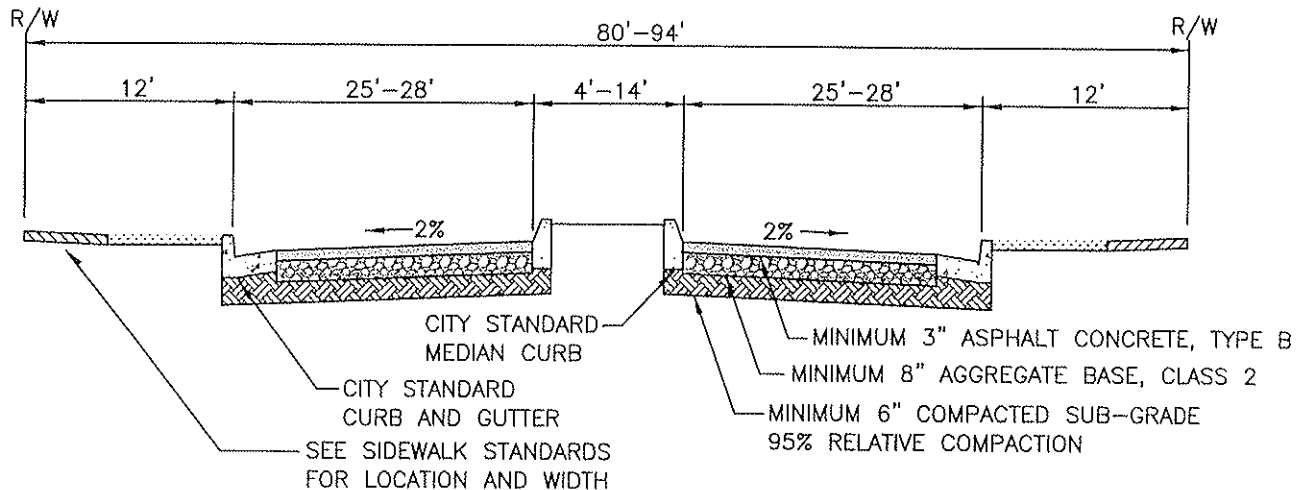
Alan K. Hoto
APPROVED BY CITY ENGINEER

James K. Hutto
APPROVED BY PUBLIC WORKS DIRECTOR

MINOR COLLECTOR WITH MEDIAN

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.	P-14	
FILE NAME:	P-14.dwg	Dwn: T. Simpson
REVISIONS	BY	DATE



NOTES:

1. DESIGN CRITERION: TRAFFIC INDEX SHALL BE DETERMINED BY THE CITY ENGINEER.
2. STRUCTURAL SECTIONS SHALL BE DESIGNED BY AN ACCEPTED FLEXIBLE PAVEMENT DESIGN METHOD.
3. ASPHALT CONCRETE SHALL BE TYPE B, 1/2" AGGREGATE MAXIMUM, MEDIUM GRADE MIX PER CALTRANS STANDARDS.
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7. ASPHALT CONCRETE SHALL BE PLACED ONLY WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50° F.
8. WITH ADDITIONAL LANDSCAPE EASEMENTS, SIDEWALK MAY BE LOCATED OUTSIDE 72'-84" RIGHT OF WAY TO PROVIDE ADDITIONAL PARKWAY.
9. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Uff
APPROVED BY CITY ENGINEER

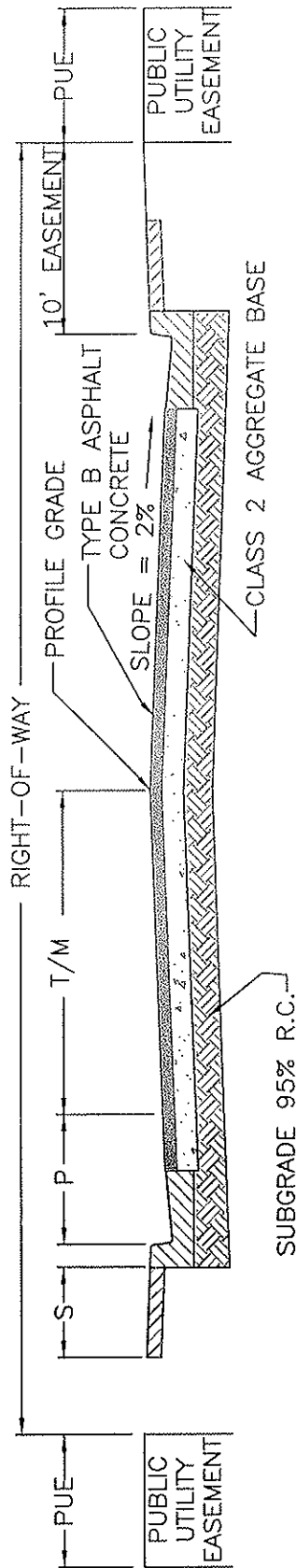
Danica Dalton
APPROVED BY PUBLIC WORKS DIRECTOR

COLLECTOR WITH MEDIAN WITH PARK STRIPS

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **P-14a**

FILE NAME: P-14a.dwg	Dwn: T. Simpson
REVISIONS	BY DATE
Park Strips	S.S. 12/27/06



STREET SECTION TABLE

TYPE OF STREET	R/W	T/M	P	S	PUE
ARTERIAL STREET	100	32	8	5	8-10
ARTERIAL STREET	96	30	8	5	8-10
MAJOR COLLECTOR STREET	84	24	8	4/5	6-10
MINOR COLLECTOR STREET	72	18	8	4/5	6-10
LOCAL COLLECTOR STREET	60	12	8	4	6
LOCAL STREET	60	12	8	4	6
LOCAL STREET	56	12	8	4	6

LEGEND

RIGHT-OF-WAY AN INCREASE IN "P" OR "T" FROM THE VALUES GIVEN IN THE ABOVE TABLE WILL REQUIRE A CORRESPONDING INCREASE IN RIGHT-OF-WAY.

T..... TRAVELED WAY

M..... MEDIAN

P..... PARKING LANE

S..... SIDEWALK - A FULL WIDTH SIDEWALK WILL BE REQUIRED ON COMMERCIAL STREETS DESIGNATED BY THE CITY OF DINUBA AS PEDESTRIAN ORIENTED.

NOTE: STREET BLOCKS ARE NOT TO EXCEED 990' FROM INTERSECTION TO INTERSECTION. NOT LESS THAN 660' FROM INTERSECTION TO INTERSECTION.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. Costa
APPROVED BY CITY ENGINEER

James Bellon
APPROVED BY PUBLIC WORKS DIRECTOR

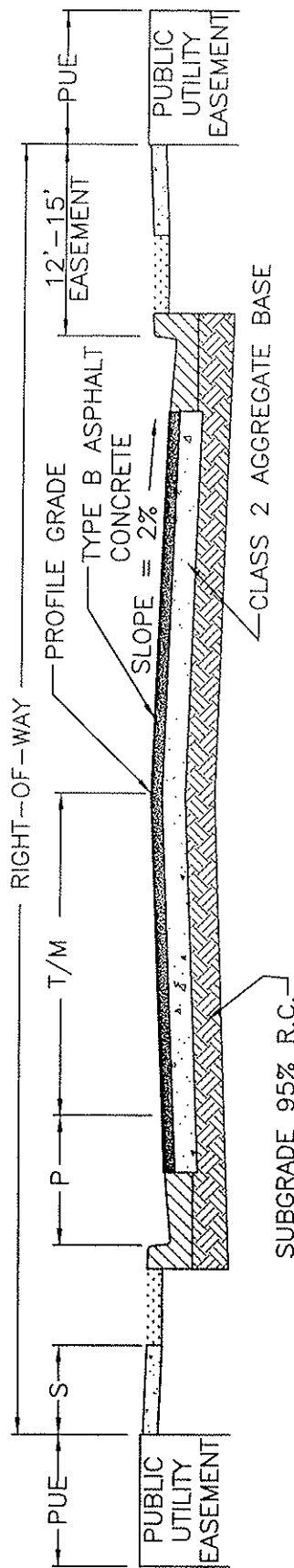
STREET SUMMARY SHEET

CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

P-15

FILE NAME: P-15.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, St Sec Table	T.S. 4/14/06



STREET SECTION TABLE

TYPE OF STREET	R/W	T/M	P	S	PUE
ARTERIAL STREET	118	22-24	8	4'-6"	8-10
ARTERIAL STREET	104	22-24	8	4'-6"	8-10
ARTERIAL STREET	96	25	8	4'-6"	8-10
MAJOR COLLECTOR STREET	94	27	8	4'-6"	6-10
MINOR COLLECTOR STREET	72	20	8	4'-6"	6-10
LOCAL COLLECTOR STREET	60	10	8	4'-6"	6
LOCAL STREET	60	10	8	4'-6"	6
LOCAL STREET	56	10	8	4'-6"	6

LEGEND

RIGHT-OF-WAY AN INCREASE IN "P" OR "T" FROM THE VALUES GIVEN IN THE ABOVE TABLE WILL REQUIRE A CORRESPONDING INCREASE IN RIGHT-OF-WAY.

T..... TRAVELED WAY

M..... MEDIAN

P..... PARKING LANE

S..... SIDEWALK - A FULL WIDTH SIDEWALK WILL BE REQUIRED ON COMMERCIAL STREETS DESIGNATED BY THE CITY OF DINUBA AS PEDESTRIAN ORIENTED.

NOTE: STREET BLOCKS ARE NOT TO EXCEED 990' FROM INTERSECTION TO INTERSECTION. NOT LESS THAN 660' FROM INTERSECTION TO INTERSECTION.

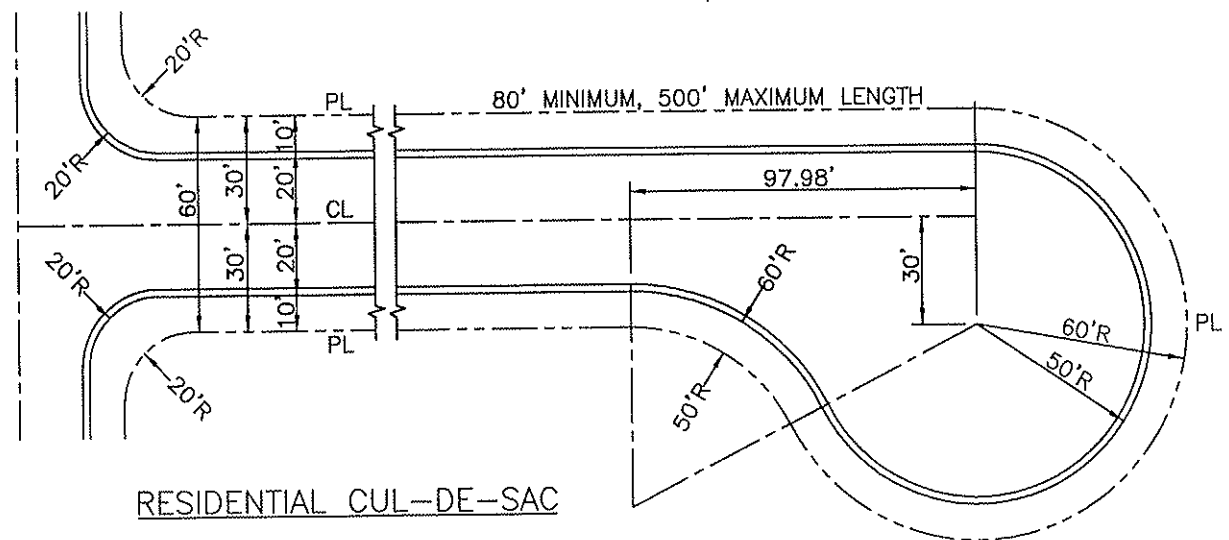
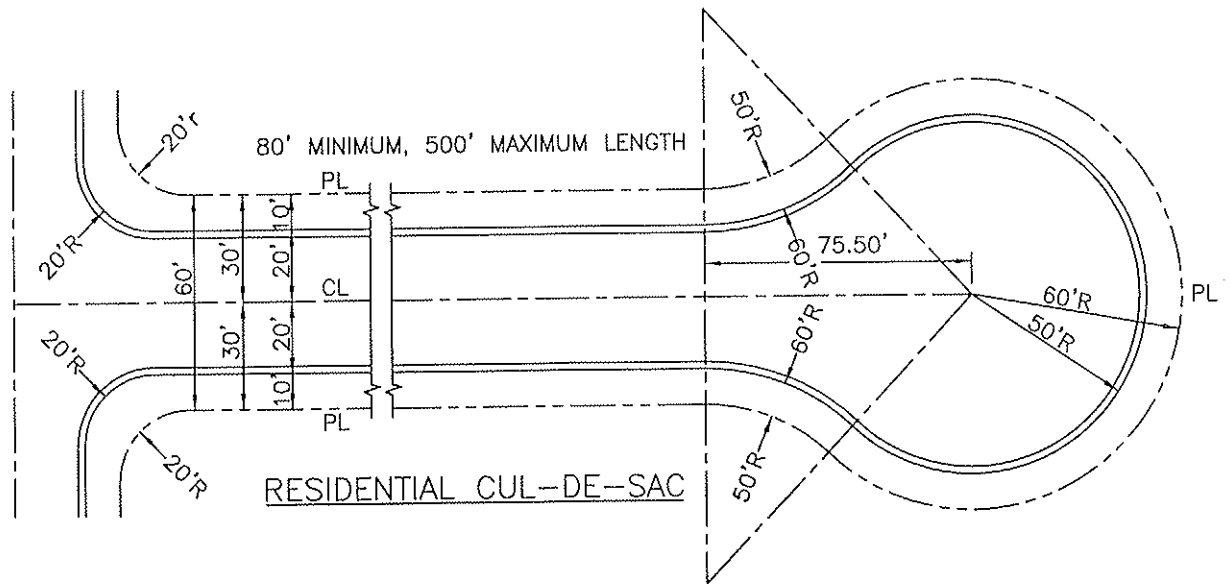
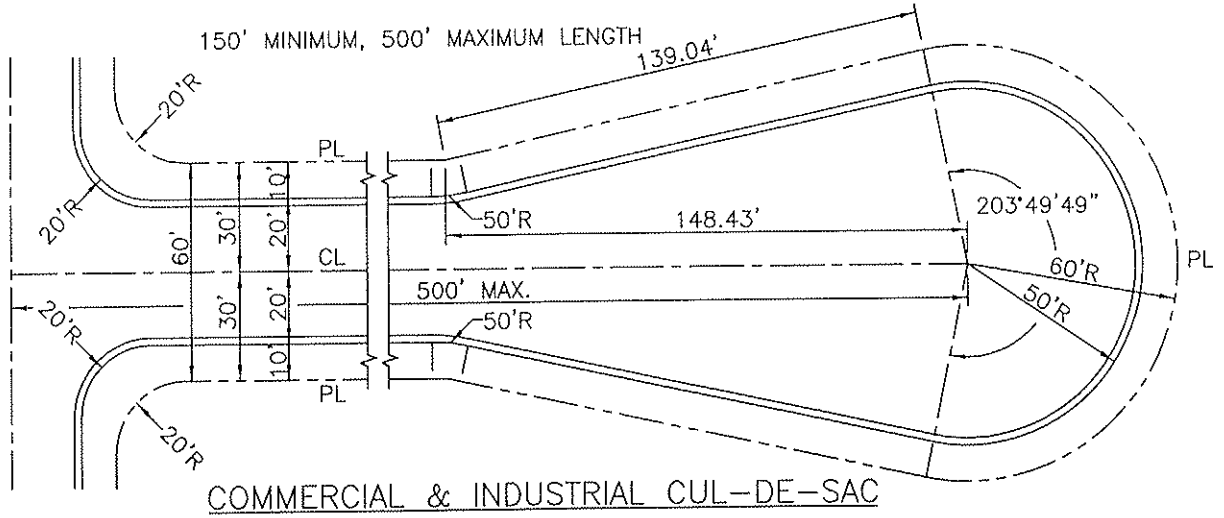
CITY COUNCIL APPROVAL: 2-27-07

 APPROVED BY CITY ENGINEER

 APPROVED BY PUBLIC WORKS DIRECTOR

**STREET SUMMARY SHEET
 WITH PARK STRIPS**
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. P-15a	
FILE NAME: P-15a.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes, St Sec Table	T.S. 4/14/06
Park Strips	S.S. 12/27/06



CITY COUNCIL APPROVAL: 2-27-07

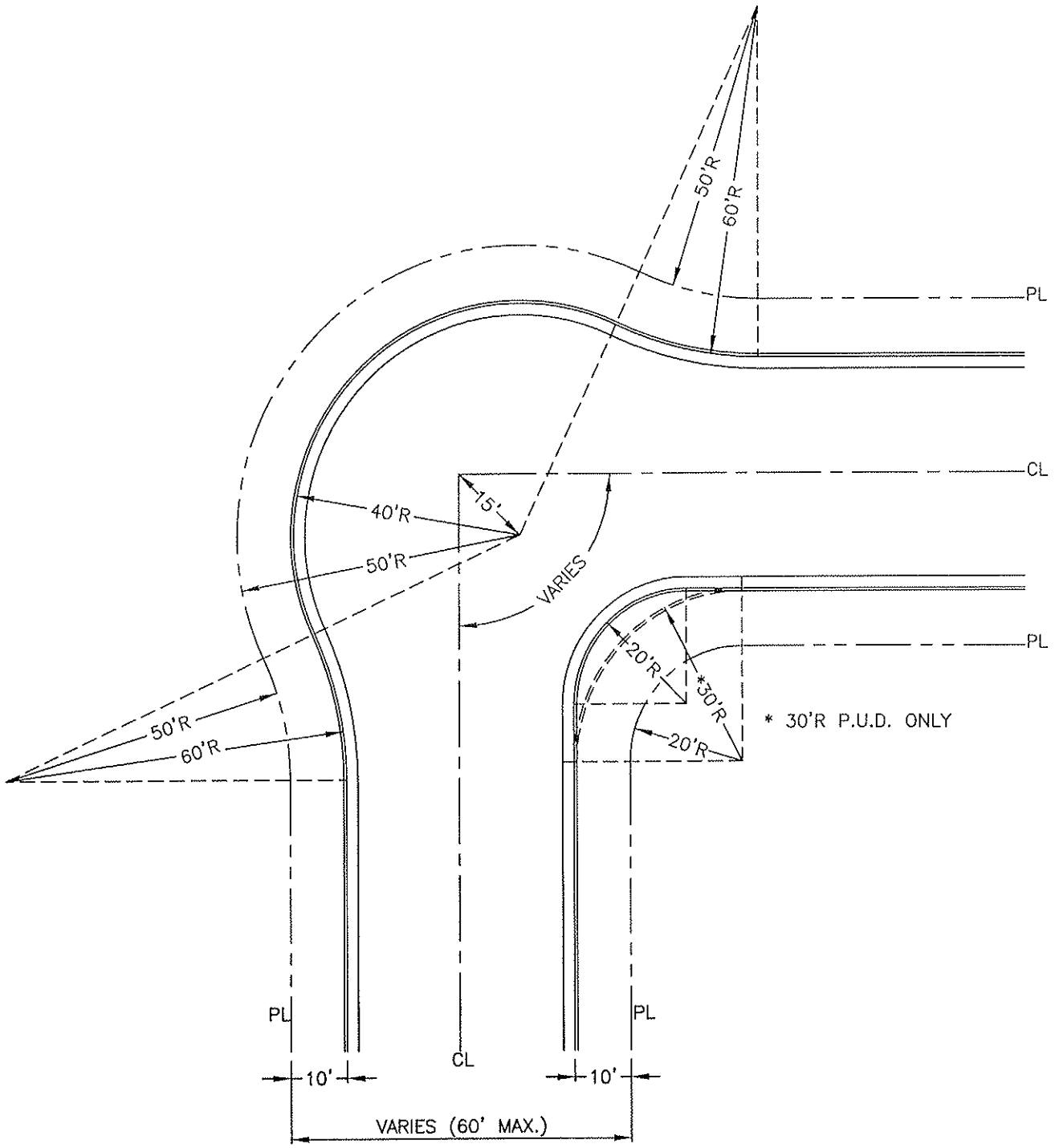
Don K. Upton
APPROVED BY CITY ENGINEER

William Sutton
APPROVED BY PUBLIC WORKS DIRECTOR

**TYPICAL COMMERCIAL AND
RESIDENTIAL CUL-DE-SAC**

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. P-16		
FILE NAME: P-16.dwg	Dwn: Tamez	
REVISIONS	BY	DATE
Dim's	T.S.	4/14/06



CITY COUNCIL APPROVAL: 2-27-07

Alan K. Vito
APPROVED BY CITY ENGINEER

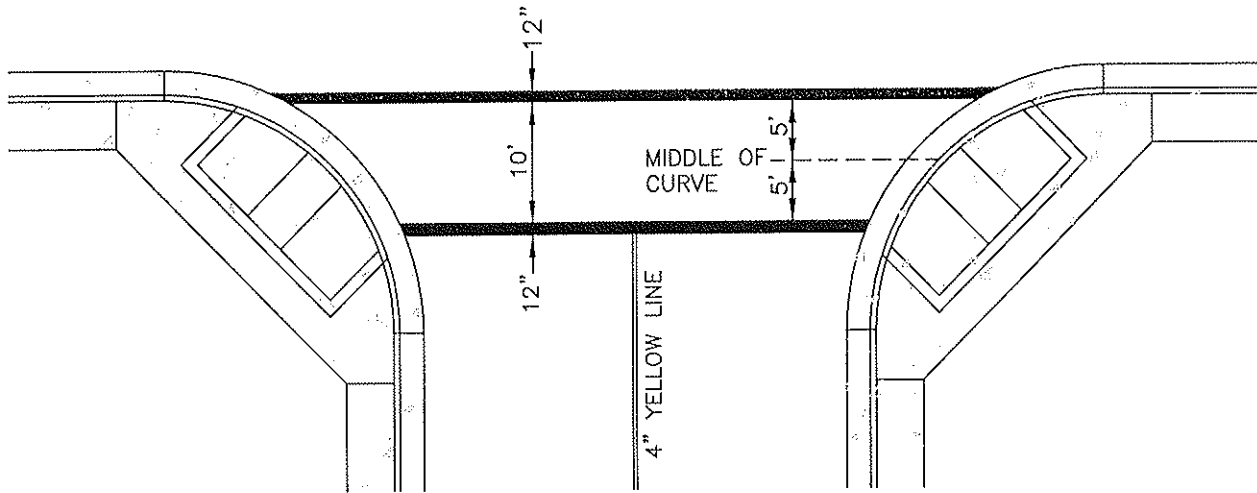
Donna K. Carter
APPROVED BY PUBLIC WORKS DIRECTOR

STREET BULB CONNECTION

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **P-17**

FILE NAME: P-17.dwg	Dwn: Tamez
REVISIONS	BY DATE
Dim	T.S. 4/14/06



STANDARD CROSSWALK MARKING

NOTES:

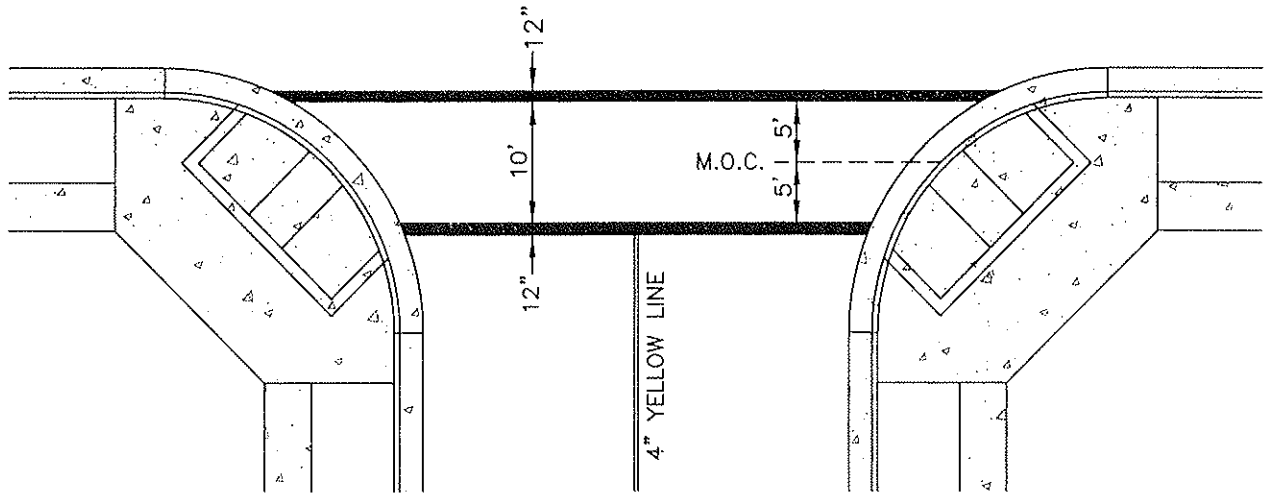
1. SCHOOL CROSSWALK MARKINGS SHALL BE WITHIN 600' OF SCHOOLGROUNDS.
2. STRIPING SHALL BE LEGEND BUILT "THERMOPLASTIC" WITH REFLECTIVE GLASS BEADS.
3. SCHOOL CROSSWALKS TO BE YELLOW (OTHER PEDESTRIAN CROSSWALKS SHALL BE WHITE).
4. ALL PAVEMENT MARKINGS SHALL CONFORM TO CALTRANS STANDARDS.

CITY COUNCIL APPROVAL: 2-27-07
Don K. Mota
 APPROVED BY CITY ENGINEER
Blanca Keltian
 APPROVED BY PUBLIC WORKS DIRECTOR

STANDARD CROSSWALK MARKINGS

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. P-18	
FILE NAME: P-18.dwg	Dwn: C.Tamez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06



STANDARD CROSS-WALK MARKING

NOTES:

1. SCHOOL CROSSWALK MARKINGS SHALL BE WITHIN 600' OF SCHOOLGROUNDS.
2. STRIPING SHALL BE LEGEND BUILT PAINT "THERMOPLASTIC" WITH RETROFLECTIVE GLASS BEADS.
3. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. Wote
APPROVED BY CITY ENGINEER

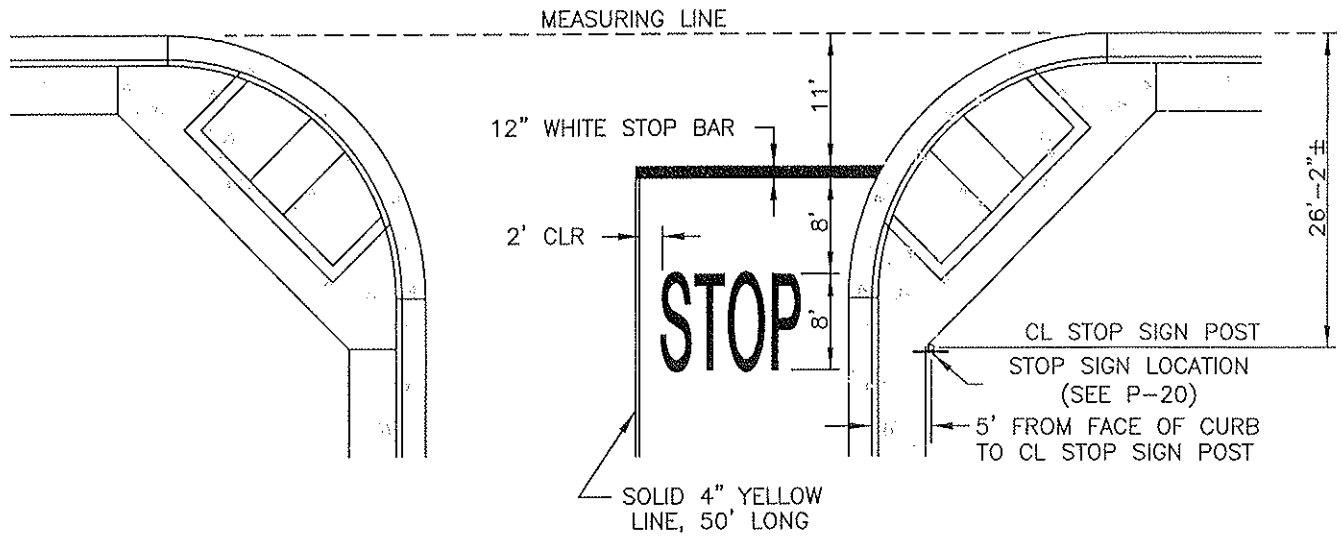
Danna Kettner
APPROVED BY PUBLIC WORKS DIRECTOR

**STANDARD CROSSWALK
MARKINGS WITH PARK STRIPS**

**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. **P-18a**

FILE NAME: P-18a.dwg	Dwn: C.Tamez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06
Park Strips	S.S. 12/18/06



STANDARD STOP BAR MARKING

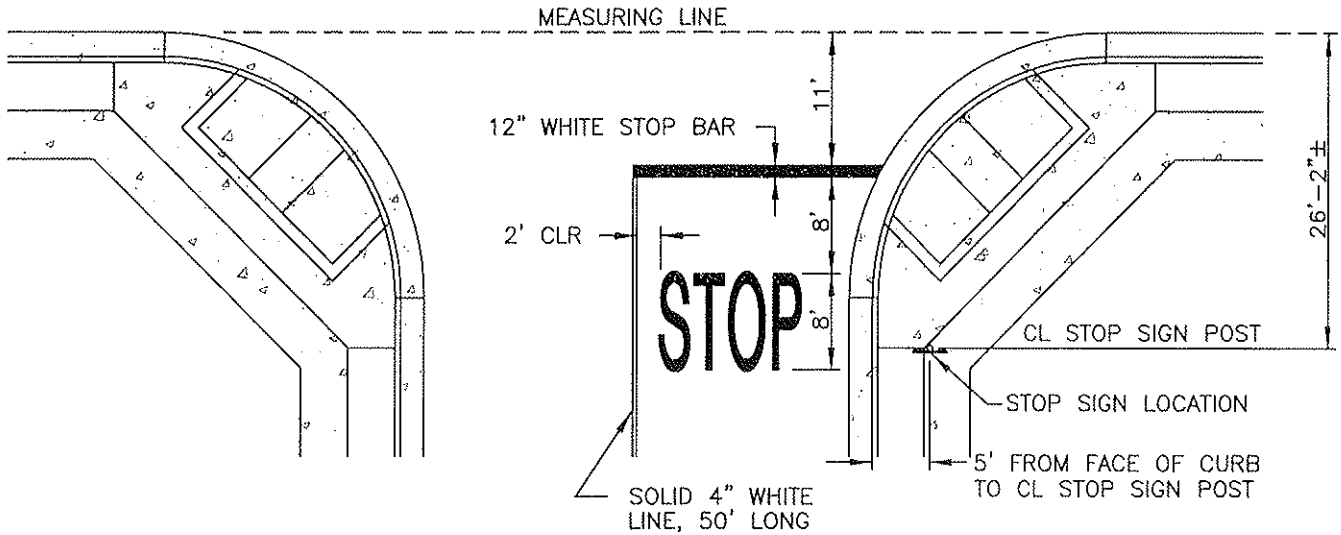
NOTES:

1. STRIPING/MARKINGS SHALL BE LEGEND BUILT "THERMOPLASTIC" WITH REFLECTIVE GLASS BEADS.

CITY COUNCIL APPROVAL: 2-27-07
Alan K. Uota
 APPROVED BY CITY ENGINEER
Diana Britton
 APPROVED BY PUBLIC WORKS DIRECTOR

**STANDARD STOP BAR AND
 STOP SIGN LOCATION MARKINGS**
 CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. P-18b	
FILE NAME: P-18b.dwg	Dwn: C.Tamez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06



STANDARD STOP BAR MARKING

NOTES:

1. STRIPING/MARKINGS SHALL BE LEGEND BUILT PAINT "THERMOPLASTIC" WITH RETROFLECTIVE GLASS BEADS.
2. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07

Paul K. Costa
APPROVED BY CITY ENGINEER

Donna Keltner
APPROVED BY PUBLIC WORKS DIRECTOR

**STANDARD STOP BAR AND STOP SIGN
LOCATION MARKINGS WITH PARK STRIPS**

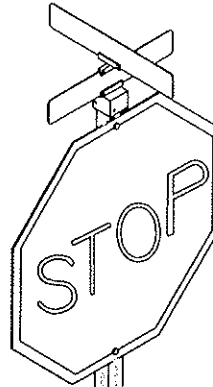
**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. **P-18c**

FILE NAME: P-18c.dwg	Dwn: C.Tamez
REVISIONS	BY DATE
Gen Notes, Dims	T.S. 4/14/06
Park Strips	S.S. 12/18/06

INSTALLATION REQUIREMENTS AND MATERIALS

1. ATTACH SIGNS, SLEEVE AND ANCHOR TO POST WITH MULTI-GRIP DRIVE RIVETS ("UNISTRUT" TL-3806 OR EQUAL.
2. POST, ANCHOR, SLEEVE AND MOUNTING HARDWARE SHALL BE GALVANIZED "UNISTRUT" TELSPAR OR EQUAL WITH 7/16" HOLE ON 1" CENTERS ON ALL 4 SIDES.
3. INSTALL SIGNS AND POSTS IN LOCATION APPROVED BY THE CITY.
4. ALL SIGNS ARE TO COMPLY WITH CALTRANS STANDARDS, CONSTRUCTED OF .080 GAUGE ALUMINUM. STREET NAME SIGNS SHALL BE COVERED WITH 4" TYPE C HIGH INTENSITY SILVER LETTERS.
5. STREET SIGN HARDWARE: REFER TO TABLE BELOW.
6. SAWCUT REQUIRED IF SIGN INSTALLED AFTER SIDEWALK IS POURED.
7. STOP SIGNS SHALL HAVE HIGH INTENSITY PRIZMATIC SHEETING.
8. ALL SIGNS LOCATED IN SIDEWALK BY CITY APPROVAL ONLY.
9. STREET NAME SIGN SHALL BE HIGH INTENSITY PRIZMATIC SIGNS.

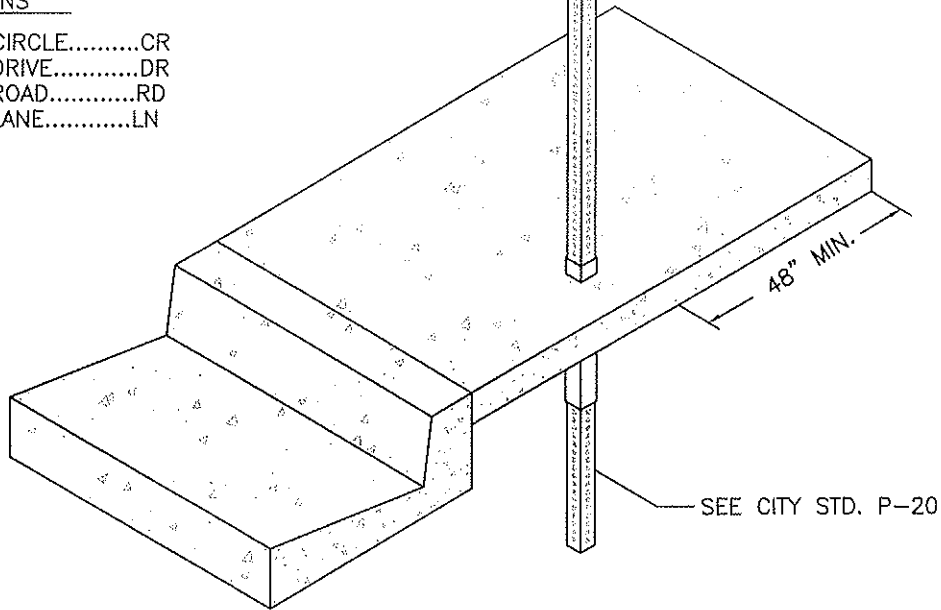


STREET SIGN HARDWARE TABLE

MANUFACTURER	BLADE LENGTH	
	BLADE HARDWARE STYLE	
ZUMAR MANUFACTURING	24" 606F	30" or 36" 808F

APPROVED ABBREVIATIONS

COURT.....CT	CIRCLE.....CR
STREET.....ST	DRIVE.....DR
AVENUE.....AVE	ROAD.....RD
PLACE.....PL	LANE.....LN
BOULEVARD...BLVD	



CITY COUNCIL APPROVAL: 2-27-07

Don K. Upton
APPROVED BY CITY ENGINEER

Blanca Kettner
APPROVED BY PUBLIC WORKS DIRECTOR

STREET SIGN STANDARD

(Page 1 of 2)

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **P-19**

FILE NAME: P-19.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06

INSTALLATION REQUIREMENTS AND MATERIALS

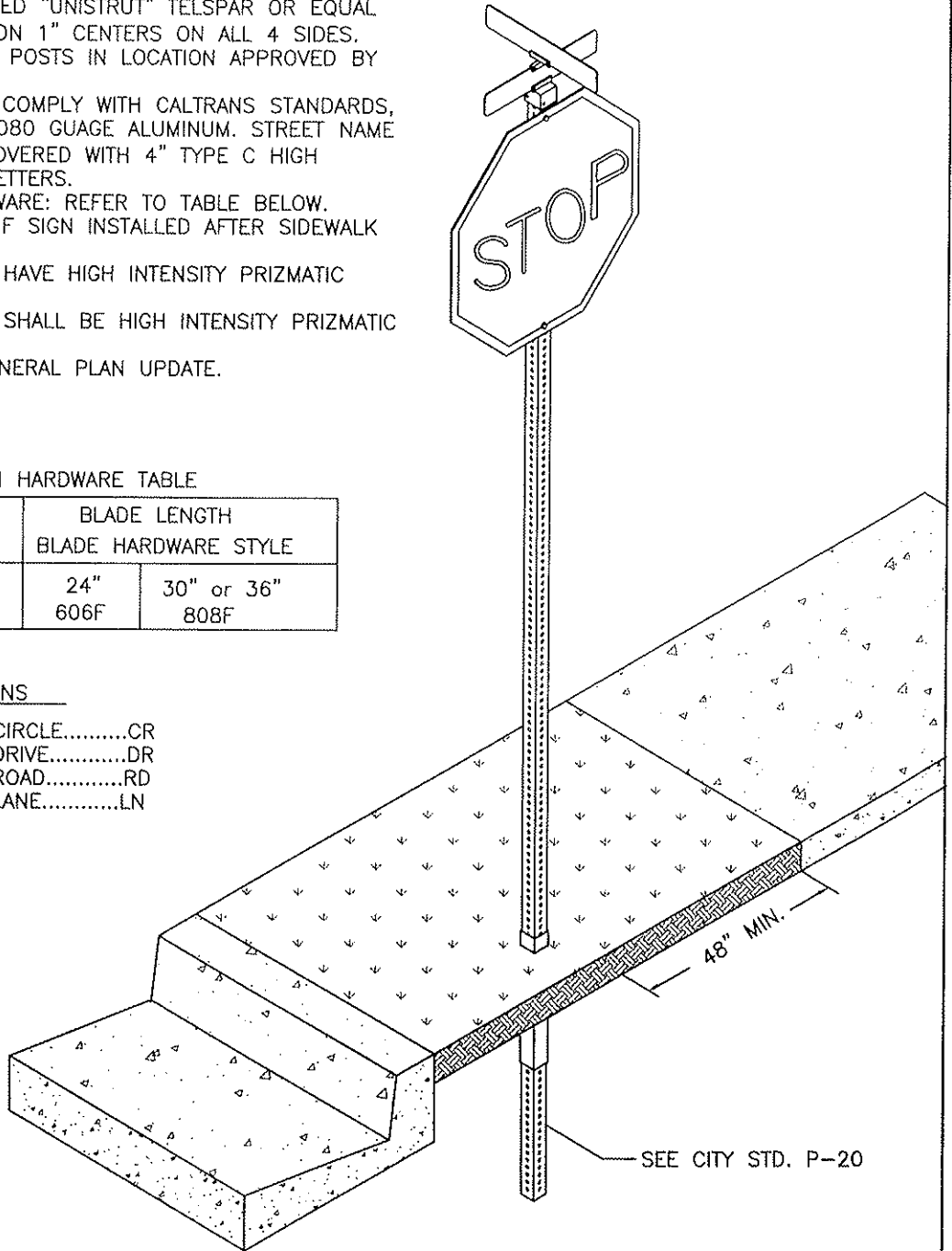
1. ATTACH SIGNS, SLEEVE AND ANCHOR TO POST WITH MULTI-GRIP DRIVE RIVETS ("UNISTRUT" TL-3806 OR EQUAL).
2. POST, ANCHOR, SLEEVE AND MOUNTING HARDWARE SHALL BE GALVANIZED "UNISTRUT" TELSPAR OR EQUAL WITH 7/16" HOLE ON 1" CENTERS ON ALL 4 SIDES.
3. INSTALL SIGNS AND POSTS IN LOCATION APPROVED BY THE CITY.
4. ALL SIGNS ARE TO COMPLY WITH CALTRANS STANDARDS, CONSTRUCTED OF .080 GAUGE ALUMINUM. STREET NAME SIGNS SHALL BE COVERED WITH 4" TYPE C HIGH INTENSITY SILVER LETTERS.
5. STREET SIGN HARDWARE: REFER TO TABLE BELOW.
6. SAWCUT REQUIRED IF SIGN INSTALLED AFTER SIDEWALK IS POURED.
7. STOP SIGNS SHALL HAVE HIGH INTENSITY PRIZMATIC SHEETING.
8. STREET NAME SIGN SHALL BE HIGH INTENSITY PRIZMATIC SIGNS.
9. REFER TO 2007 GENERAL PLAN UPDATE.

STREET SIGN HARDWARE TABLE

MANUFACTURER	BLADE LENGTH	
	BLADE HARDWARE STYLE	
ZUMAR MANUFACTURING	24" 606F	30" or 36" 808F

APPROVED ABBREVIATIONS

COURT.....CT	CIRCLE.....CR
STREET.....ST	DRIVE.....DR
AVENUE.....AVE	ROAD.....RD
PLACE.....PL	LANE.....LN
BOULEVARD...BLVD	



CITY COUNCIL APPROVAL: 2-27-07

Dean K. Uota
APPROVED BY CITY ENGINEER

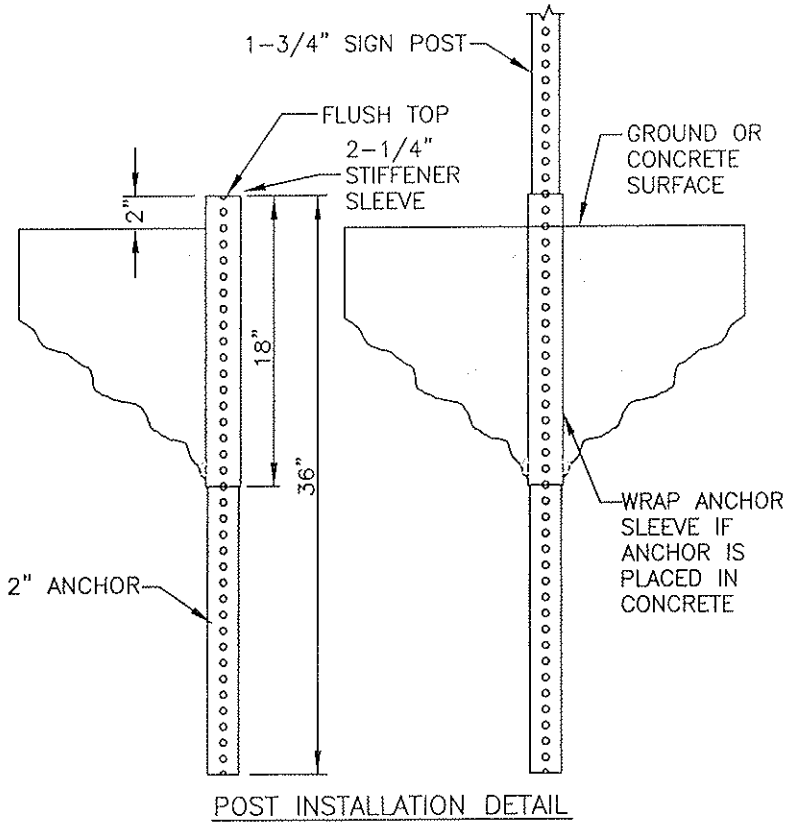
Blanca Kottman
APPROVED BY PUBLIC WORKS DIRECTOR

**STREET SIGN STANDARD
WITH PARK STRIPS**

**CITY OF DINUBA
Public Improvement Standards**

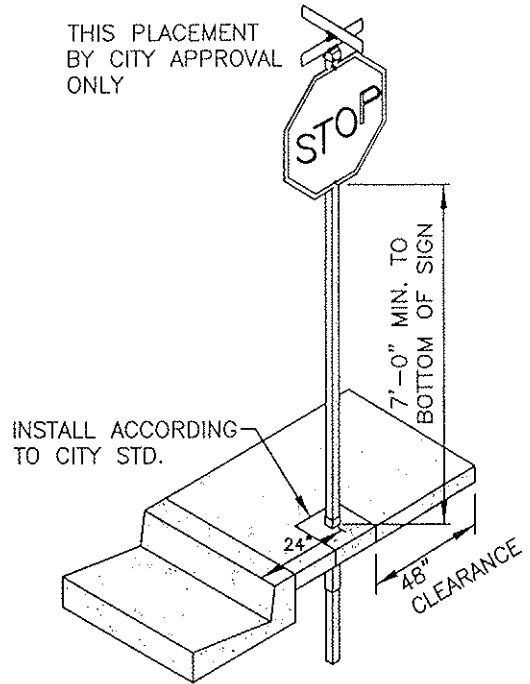
DRAWING NO. **P-19a**

FILE NAME: P-19a.dwg	Dwn: Tamez
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06
Park Strips	S.S. 12/18/06



POST INSTALLATION DETAIL

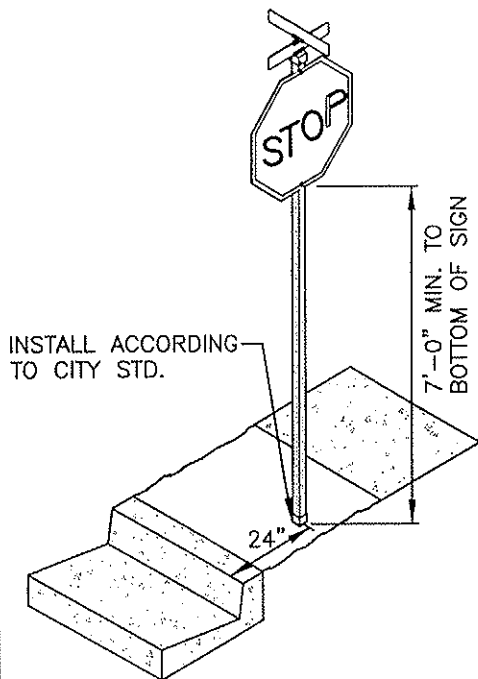
THIS PLACEMENT BY CITY APPROVAL ONLY



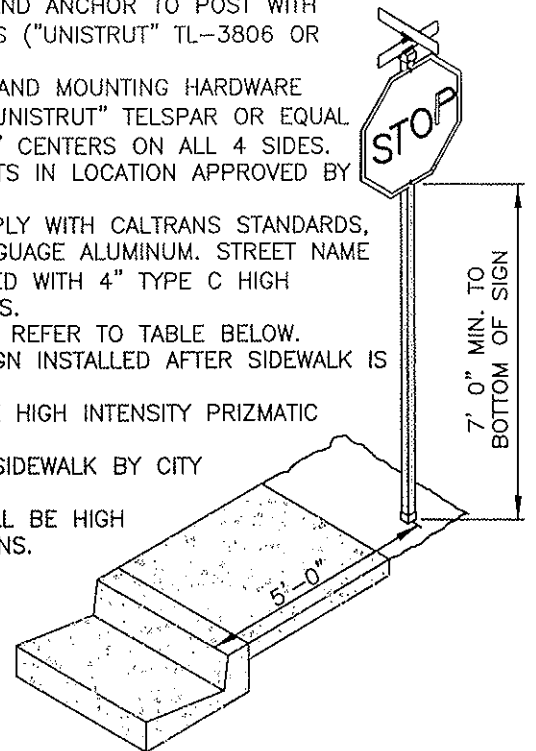
5'-0" SIDEWALK INSTALLATION DETAIL
PRIOR APPROVAL NEEDED FROM PUBLIC WORKS STREET MAINTENANCE SUPERVISOR

INSTALLATION REQUIREMENTS AND MATERIALS

1. ATTACH SIGNS, SLEEVE AND ANCHOR TO POST WITH MULTI-GRIP DRIVE RIVETS ("UNISTRUT" TL-3806 OR EQUAL.
2. POST, ANCHOR, SLEEVE AND MOUNTING HARDWARE SHALL BE GALVANIZED "UNISTRUT" TELSPAR OR EQUAL WITH 7/16" HOLE ON 1" CENTERS ON ALL 4 SIDES.
3. INSTALL SIGNS AND POSTS IN LOCATION APPROVED BY THE CITY.
4. ALL SIGNS ARE TO COMPLY WITH CALTRANS STANDARDS, CONSTRUCTED OF .080 GAUGE ALUMINUM. STREET NAME SIGNS SHALL BE COVERED WITH 4" TYPE C HIGH INTENSITY SILVER LETTERS.
5. STREET SIGN HARDWARE: REFER TO TABLE BELOW.
6. SAWCUT REQUIRED IF SIGN INSTALLED AFTER SIDEWALK IS POURED.
7. STOP SIGNS SHALL HAVE HIGH INTENSITY PRIZMATIC SHEETING.
8. ALL SIGNS LOCATED IN SIDEWALK BY CITY APPROVAL ONLY.
9. STREET NAME SIGN SHALL BE HIGH INTENSITY PRIZMATIC SIGNS.



DETACHED SIDEWALK INSTALLATION DETAIL



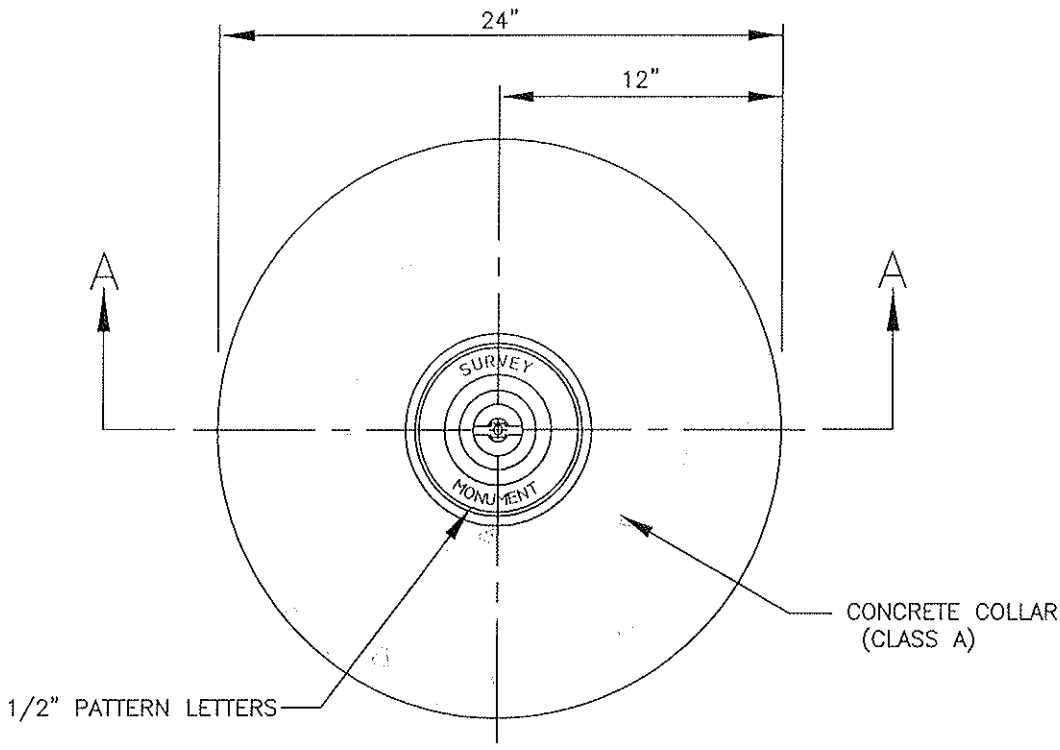
4'-0" SIDEWALK INSTALLATION DETAIL

CITY COUNCIL APPROVAL: 2-27-07
Dean K. Voth
 APPROVED BY CITY ENGINEER
Blanca Retton
 APPROVED BY PUBLIC WORKS DIRECTOR

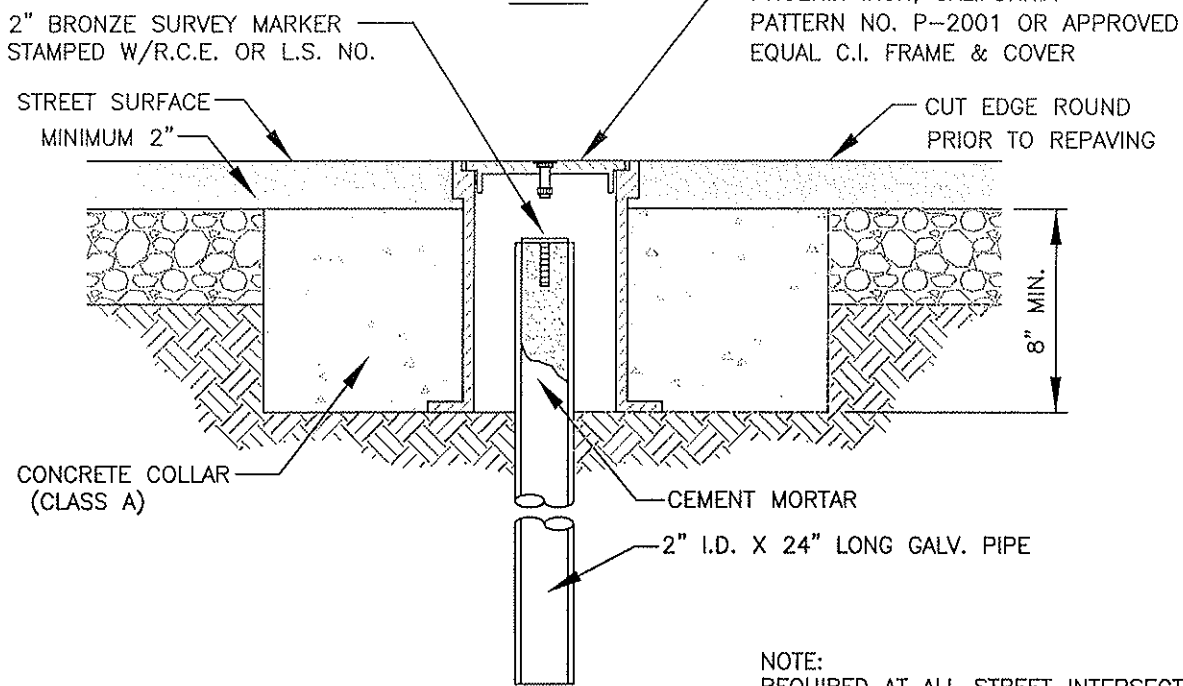
STREET SIGN STANDARD
 (Page 2 of 2)

CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. P-20	
FILE NAME: P-20.dwg	Dwn: C.Tamez
REVISIONS	BY DATE
Gen Notes	T.S. 4/14/06



PLAN



SECTION A-A

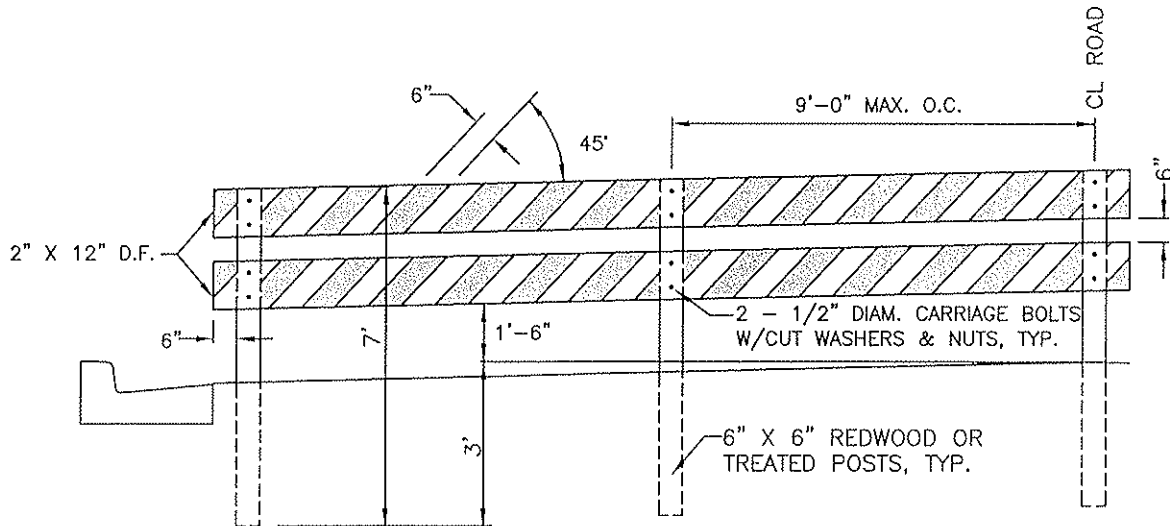
NOTE:
 REQUIRED AT ALL STREET INTERSECTIONS,
 STREET OFF-SETS, CUL-DE-SACS AND
 STREET RADIUS POINTS

CITY COUNCIL APPROVAL: 2-27-07
Alan K. [Signature]
 APPROVED BY CITY ENGINEER
[Signature]
 APPROVED BY PUBLIC WORKS DIRECTOR

**TYPE-A STREET INTERSECTION AND
 CURVE RADIUS SURVEY MONUMENT**


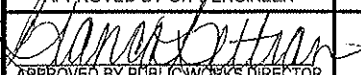
**CITY OF DINUBA
 Public Improvement Standards**

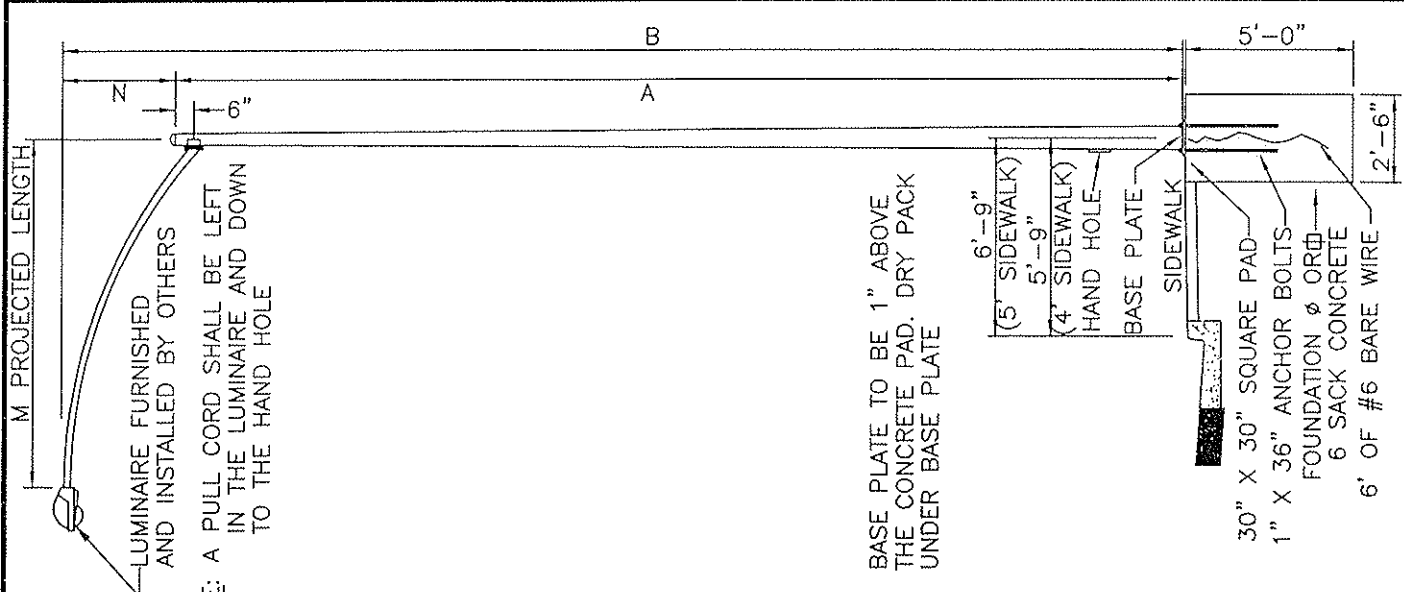
DRAWING NO. P-21	
FILE NAME: P-21.dwg	Dwn: Fomez
REVISIONS	BY DATE
Gen Notes, Conc Collar	T.S. 4/14/06



NOTES:

1. THE BARRICADE MUST EXTEND ACROSS THE FULL WIDTH OF PAVEMENT.
2. WOOD PRESURE TREATED WITH A PRESERVATIVE MAY BE SUBSTITUTED FOR REDWOOD MATERIAL.
3. BARRICADES SHALL BE PAINTED WITH 2 COATS OF COMMERCIAL QUALITY WHITE BEAD ENAMEL. MARKINGS ON BARRICADE RAILS SHALL BE HIGH INTENSITY WITH ALTERNATE ORANGE AND WHITE STRIPES 6" IN WIDTH SLOPING DOWNWARD AT A 45° ANGLE. THE DOWNWARD SLOPE OF THE STRIPES DIRECTION TRAFFIC MUST TURN IN DETOURING. WHERE BOTH RIGHT AND LEFT TURNS ARE PROVIDED FOR, THE STRIPING MAY SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE. WARNING SIGNS MAY BE REQUIRED ON THE BARRICADE BY THE CITY ENGINEER.
4. BARRICADE POSTS SHALL BE PLACED AT THE EDGE OF A.C. PAVEMENT. THE PAVEMENT EDGE SHALL BE A STRAIGHT CLEAN EDGE.

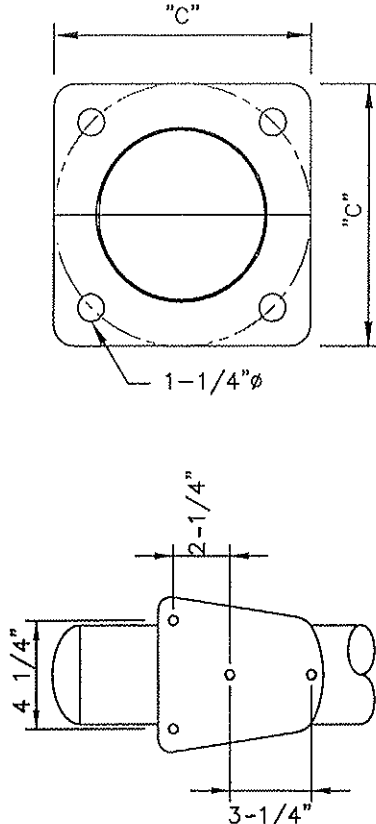
CITY COUNCIL APPROVAL: 2-27-07	<h2 style="margin: 0;">TIMBER BARRICADE</h2>	DRAWING NO. P-22									
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FILE NAME: P-22.dwg	Dwn: Tamez										
REVISIONS	BY DATE										
Gen Notes	T.S. 4/14/06										
 APPROVED BY PUBLIC WORKS DIRECTOR	<h3 style="margin: 0;">CITY OF DINUBA</h3> <p style="margin: 0;">Public Improvement Standards</p>										



LUMINAIRE ARM DATA

"M" ARM LENGTH	"N" RISE	MIN. O.D. AT POLE	ST. WIDTH	THICKNESS	"B" MOUNT HT. TYPE 15
8' - 0"	2' - 6" +/-	3-1/2"	36"	0.1196"	32' - 0" +/-
10' - 0"	3' - 3" +/-	3-7/8"	36"	"	32' - 9" +/-
12' - 0"	4' - 3" +/-	3-7/8"	40"	"	33' - 9" +/-
15' - 0"	4' - 9" +/-	4-1/4"	56"	"	34' - 3" +/-

POLE TYPE	POLE DATA		BASE PLATE DATA		LUMINAIRE ARM
	"A" HEIGHT	MIN. O.D. BASE	"C" THICKNESS	ANCHOR BOLTS SIZE	
15	30' - 0"	8"	12"	1" X 36" X 4"	6' - 15"



- ARM CONNECTION**
- BASE PLATE**
- NOTES:**
- ARM LENGTH FOR LOCAL STREETS SHALL BE 12'-0". ARM LENGTH FOR ARTERIAL AND COLLECTOR STREETS SHALL BE 15'-0". ALL STREET LIGHTS SHALL BE 150 WAIT FIXTURE. LOCATION AND ARM LENGTHS MAY VARY WITH LOCATION OF DETACHED OR MEANDERING SIDEWALKS. BASE PLATE AND BOLT COVER SHALL BE GALVANIZED WITH ROUND CORNERS. SPACING BETWEEN POLES SHALL BE 300'.
 - ALTERNATE STREET LIGHTS FROM ONE SIDE OF STREET TO THE OTHER, SUBJECT TO CITY APPROVAL. ARTERIAL AND COLLECTOR STREET LOCATIONS AND SPACING SHALL BE AS APPROVED BY THE CITY ENGINEER.

CITY COUNCIL APPROVAL: 2-27-07

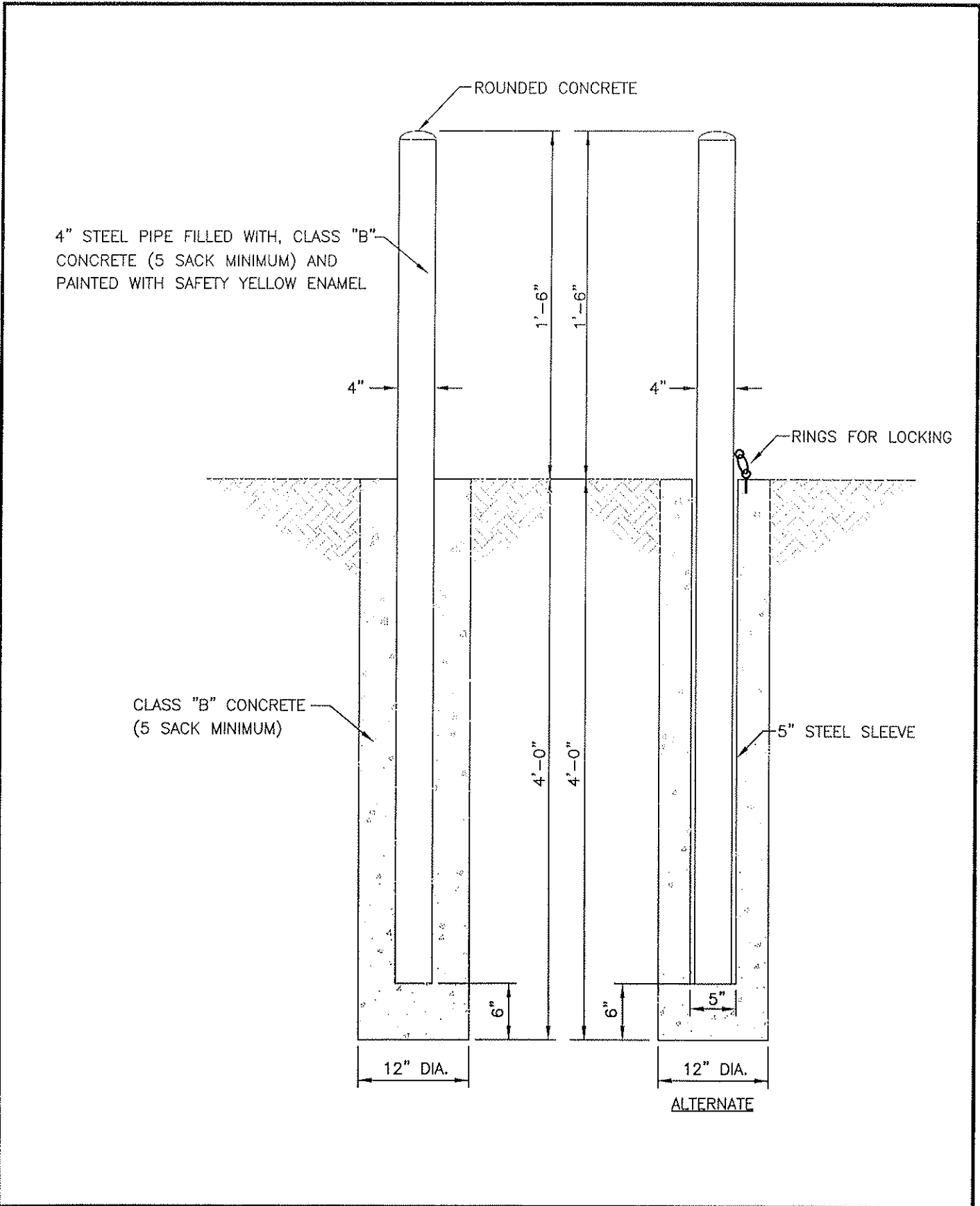
Don K. Visto
APPROVED BY CITY ENGINEER

James Estroff
APPROVED BY PUBLIC WORKS DIRECTOR

MTD STREET LIGHTING POLES

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. E-1	
FILE NAME: E-1.dwg	Dwn: Tamez
REVISIONS	BY DATE
Footing Dims, Notes	T.S. 4/14/06

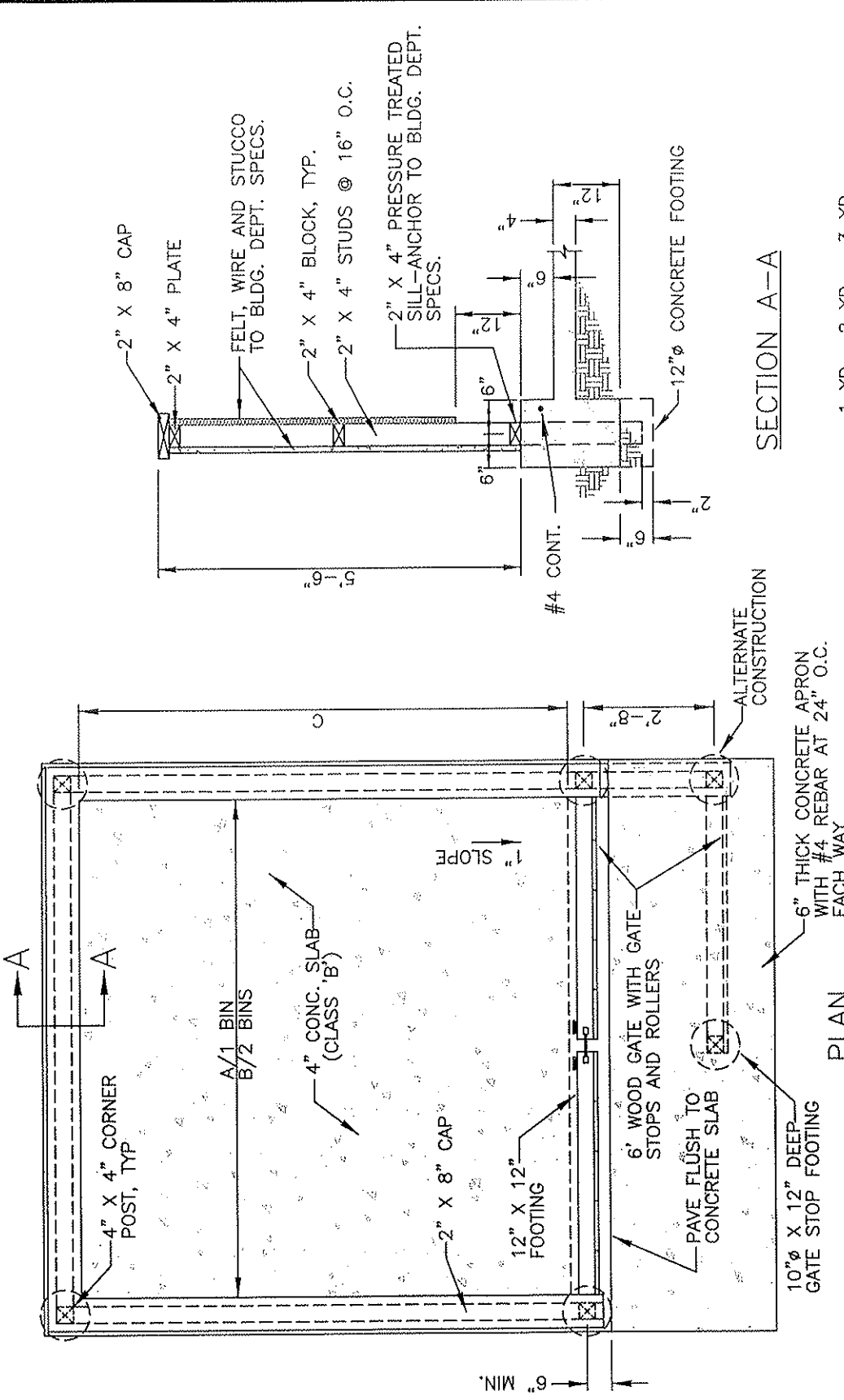


CITY COUNCIL APPROVAL: 2-27-07
Paul K. Wren
 APPROVED BY CITY ENGINEER
Blanca Galtman
 APPROVED BY PUBLIC WORKS DIRECTOR

PROTECTION POST

CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. E-2	
FILE NAME: E-2.dwg	Dwn: Tamez
REVISIONS	BY DATE



SECTION A--A

	1 YD.	2 YD.	3 YD.
A	10'	10'	10'
B	---	20'	20'
C	10'	10'	10'

- MIN. INSIDE ENCLOSURE DIMENSIONS
- NOTES:
- GROUND TO BE SLOPED AWAY FROM WALL.
 - LOCATION OF THE BIN ENCLOSURE TO BE APPROVED BY THE CITY.
 - A BUILDING PERMIT SHALL BE OBTAINED FROM THE CITY.
 - THE ENCLOSURE SHALL NOT BE VISIBLE FROM STREETS.
 - GATES MAY BE WOOD OR CHAIN LINK HOT DIPPED COLOR COATED FABRIC WITH SLATS.
 - A CONCRETE APRON SHALL EXTEND 10' MINIMUM FROM THE FRONT OF OPENING.
 - DOOR COLOR 1C1 ANTIQUE BISQUE #6-8534

CITY COUNCIL APPROVAL: 2-27-07

Rem K. Uota
APPROVED BY CITY ENGINEER

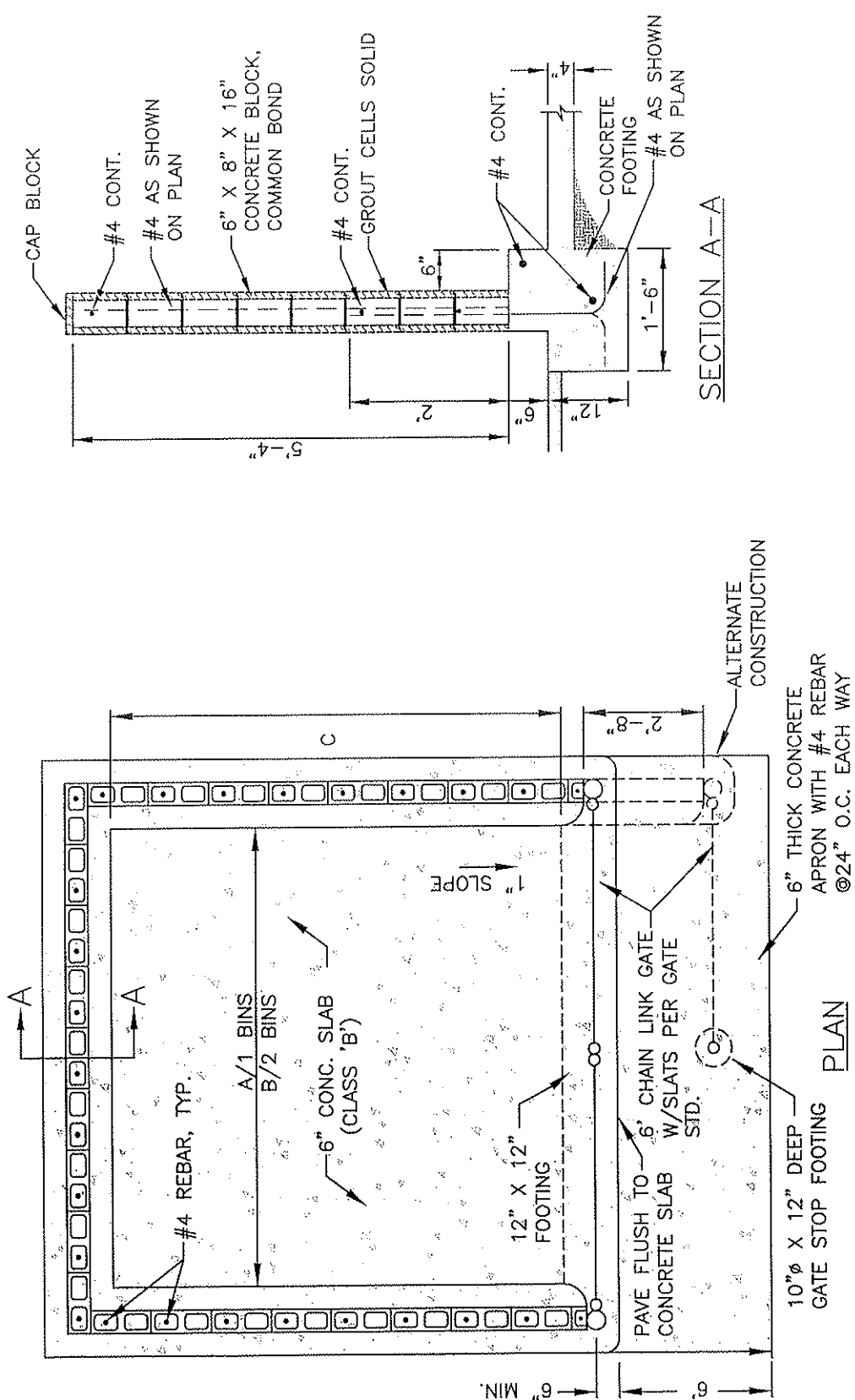
Glenn K. Sultan
APPROVED BY PUBLIC WORKS DIRECTOR

TRASH BIN-STUCCO ENCLOSURE

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **E-3**

FILE NAME: E-3.dwg	Dwn: Lubong
REVISIONS	BY DATE
REVISIONS	T.S. 4/14/06



1 YD. 2 YD. 3 YD.

A	10'	10'	10'
B	-	20'	20'
C	10'	10'	10'

MIN. INSIDE ENCLOSURE DIMENSIONS

NOTES:

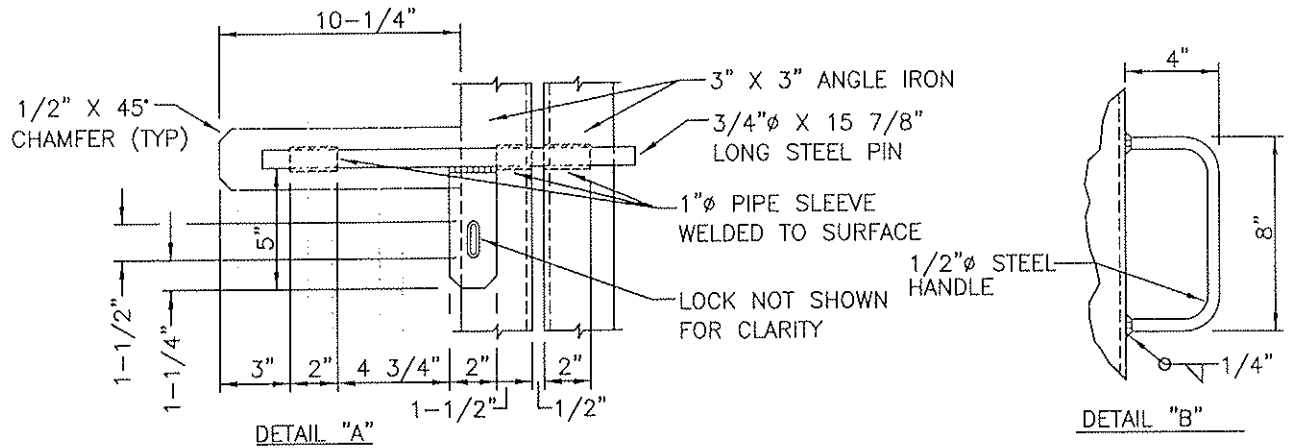
1. CUT CORNER BLOCK ENDS AND CENTER WEB TO FORM A CONT. BOND BEAM.
2. GROUND TO BE SLOPED AWAY FROM WALL.
3. LOCATION OF THE BIN ENCLOSURE TO BE APPROVED BY THE CITY.
4. A BUILDING PERMIT SHALL BE OBTAINED FROM THE CITY.
5. GATES MAY BE WOOD OR CHAIN LINK PVC COLOR COATED FABRIC WITH SLATS.
6. A CONCRETE APRON SHALL EXTEND 10' MINIMUM FROM THE FRONT OF OPENING.
7. DOOR COLOR 1C1 ANTIQUE BISQUE #6-8534.
8. PLACE 6' X 6" THICK CONCRETE APRON IN FRONT OF GATE

CITY COUNCIL APPROVAL: 2-27-07
Don K. Upton
 APPROVED BY CITY ENGINEER
James DeHaven
 APPROVED BY PUBLIC WORKS DIRECTOR

TRASH BIN- BLOCK ENCLOSURE

CITY OF DINUBA
 Public Improvement Standards

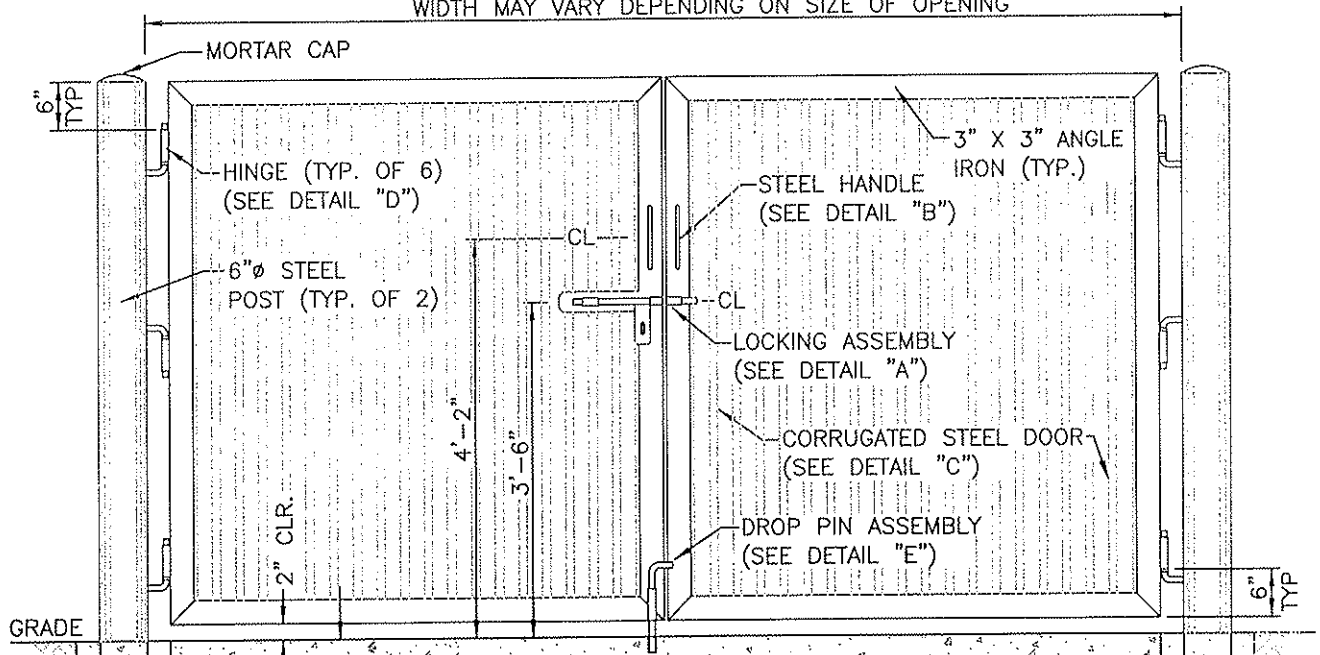
DRAWING NO. E-4	
FILE NAME: E-4.dwg	Dwn: Lubong
REVISIONS	BY DATE
Note 7	T.S. 4/14/06



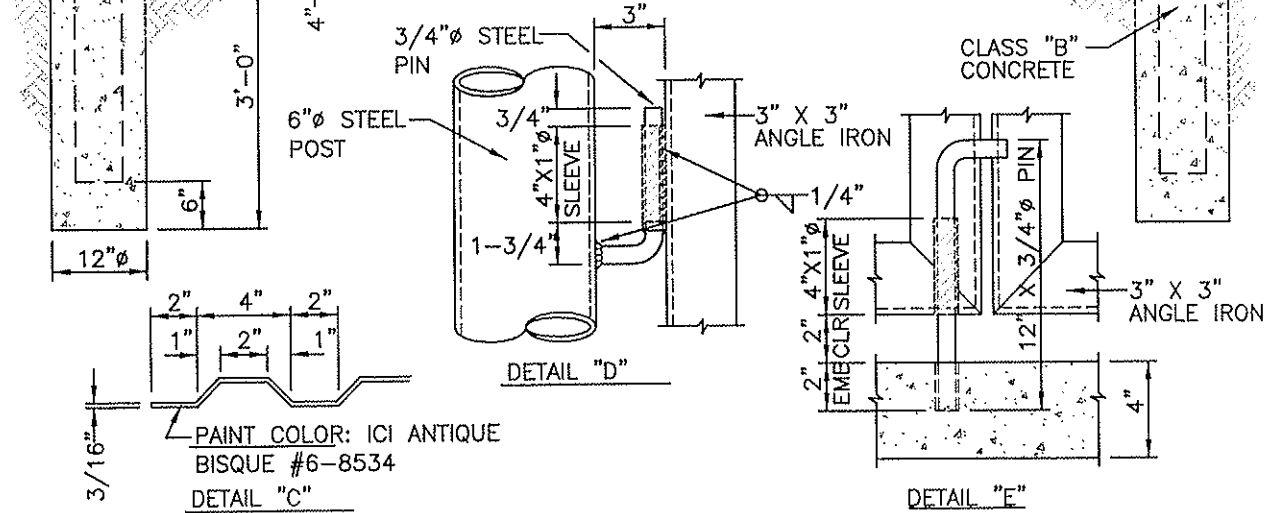
DETAIL "A"

DETAIL "B"

WIDTH MAY VARY DEPENDING ON SIZE OF OPENING



GRADE



DETAIL "D"

DETAIL "E"

PAINT COLOR: ICI ANTIQUE
BISQUE #6-8534
DETAIL "C"

CITY COUNCIL APPROVAL: 2-27-07

Don K. Woto
APPROVED BY CITY ENGINEER

Blanca Beltran
APPROVED BY PUBLIC WORKS DIRECTOR

REFUSE CONTAINER ENCLOSURE
STEEL SWING GATES

CITY OF DINUBA
Public Improvement Standards

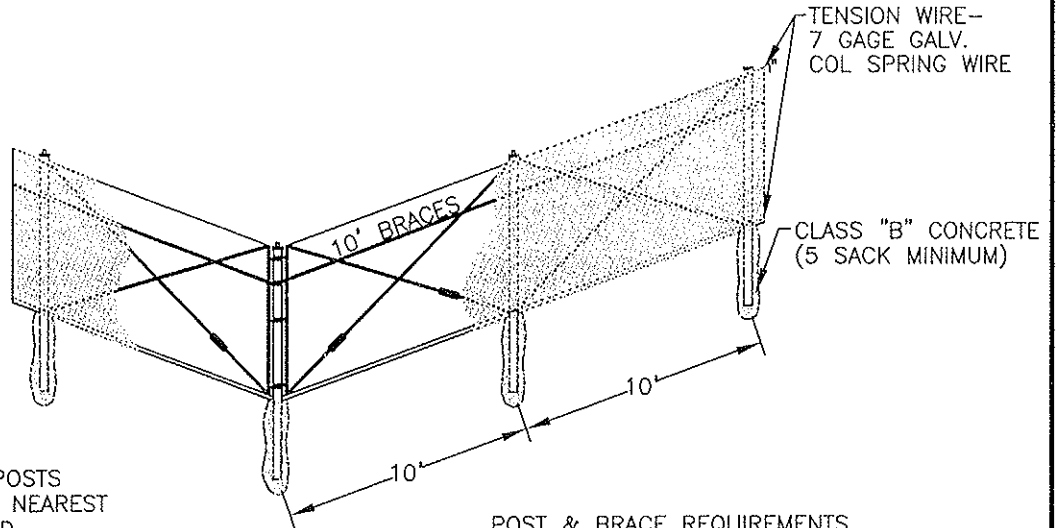
DRAWING NO. **E-4a**

FILE NAME: E-4a.dwg	Dwn: T. Simpson
REVISIONS	BY DATE

POST TOPS, EXTENSION ARMS, STRECHER BARS AND OTHER REQUIRED FITTINGS AND HARDWARE SHALL BE STEEL OR MALLEABLE IRON OR WROUGHT IRON AND SHALL BE GALVANIZED.

WIRE USED IN THE MANUFACTURE OF THE FABRIC SHALL BE 11-GAGE FOR ALL FENCE 84" OR LESS IN HEIGHT, AND SHALL BE WOVEN INTO APPROXIMATE 2" MESH, PVC COATED, AND COLOR SPECIFIED.

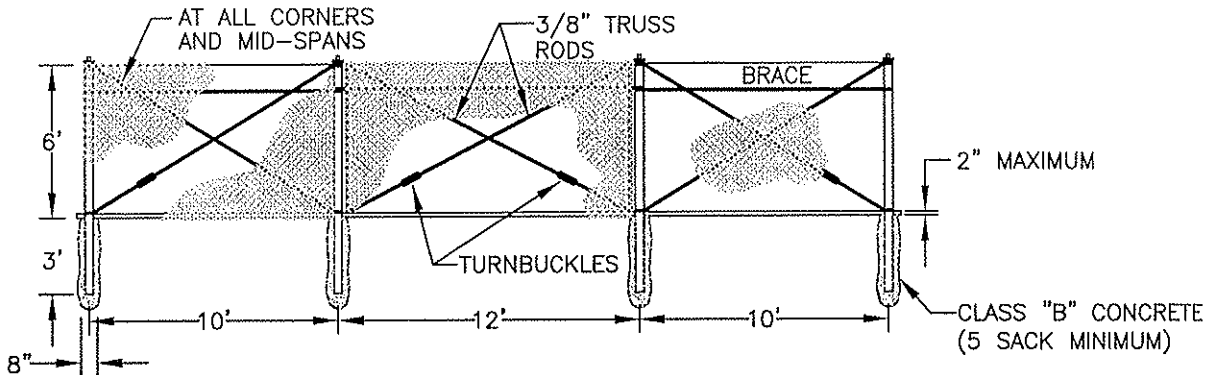
LINE POSTS SHALL BE SPACED AT NOT MORE THAN 10- FEET INTERVALS, MEASURED FROM CENTER TO CENTER OF POSTS.



END, CORNER, AND GATE POSTS SHALL BE BRACED TO THE NEAREST LINE POST WITH GALVANIZED DIAGONOL OR HORIZONTAL BRACES USED AS COMPRESSION MEMBERS AND GALVANIZED 3/8" STEEL TRUSS RODS WITH TURNBUCKLES USED AS TENSION MEMBERS.

POST & BRACE REQUIREMENTS

LOCATION	TYPE	MIN. SIZE	MIN. WT. (LB/FT.)
END AND CORNER POSTS	PIPE	2.351 O.D.	3.10
LINE POSTS	PIPE	1.869 O.D.	2.31
BRACES	PIPE	1.630 O.D.	1.93
GATE POSTS	PIPE	3.960 O.D.	8.65



GATE FRAME SHALL BE CONSTRUCTED OF NOT LESS THAN 1-1/2" GALVANIZED PIPE AND SHALL BE CROSS TRUSSED WITH 3/8" ADJUSTABLE TRUSS RODS. THE CORNER OF GATE FRAMES SHALL BE FASTENED TOGETHER WITH A MALLEABLE IRON FITTING.

THE GATE SHALL BE HUNG BY AT LEAST 2 STEEL OR MALLEABLE IRON HINGES NOT LESS THAN 3" INCHES IN WIDTH, AND A MALLEABLE CATCH AND LOCKING ATTACHMENT.

ALL POSTS SHALL BE MINIMUM OF 9' LONG.

ALL FENCES SHALL HAVE REQUIRED SAFETY SIGNS INSTALLED TO CITY STANDARDS (EVERY 100').

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Woth
APPROVED BY CITY ENGINEER

Blanca Sutter
APPROVED BY PUBLIC WORKS DIRECTOR

CHAIN LINK FENCE DETAIL

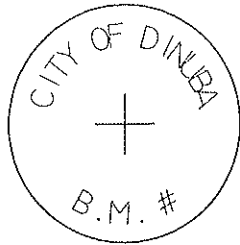
CITY OF DINUBA
Public Improvement Standards

DRAWING NO.

E-5

FILE NAME: E-5.dwg Dwn: Lubong

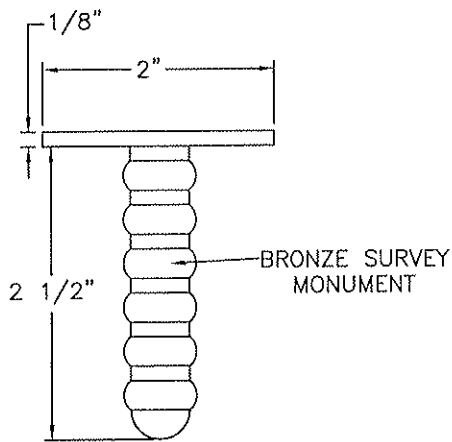
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Border T.S. 4/14/06



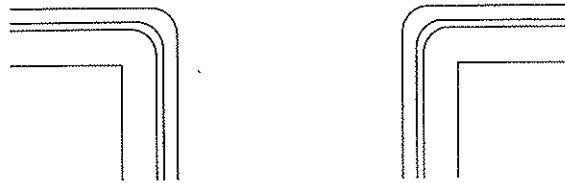
TOP



LOCATE MONUMENT AT THE
END OF RADIUS AS SHOWN.



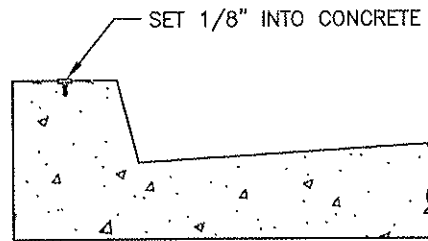
SURVEY MONUMENT



BENCHMARK LOCATION
SCALE: NTS

NOTES

1. LOCATE BENCHMARKS AT THE NORTHEAST CORNER OF INTERSECTIONS APPROVED BY THE CITY.
2. COMPLETE NOTES SHOWING LOCATIONS, ELEVATIONS, AND CLOSURES SHALL BE FILED WITH THE CITY.
3. ELEVATIONS SHALL BE BASED ON DATUM USED ON U.S.C., G.S. AND CITY RECORD BENCHMARKS. 4. BENCHMARK NUMBER SHALL BE STAMPED WITH DIES ON TOP.



STANDARD CURB & GUTTER
SCALE: NTS

CITY COUNCIL APPROVAL: 2-27-07

Dean K. Upton
APPROVED BY CITY ENGINEER

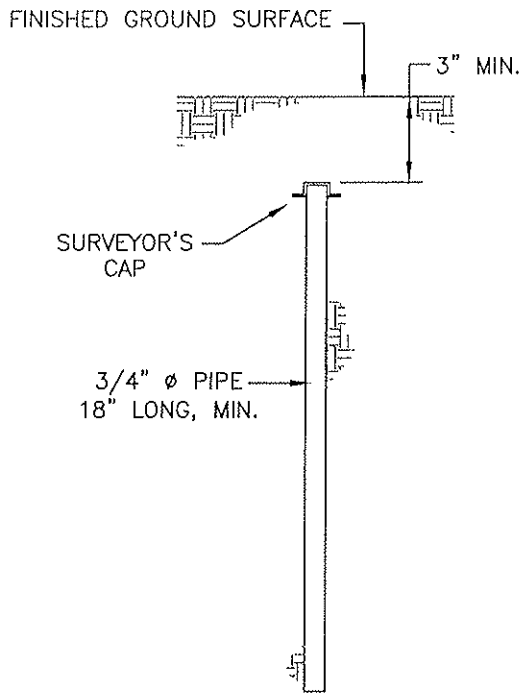
Blanca Keltner
APPROVED BY PUBLIC WORKS DIRECTOR

ELEVATION
BENCHMARK DETAILS

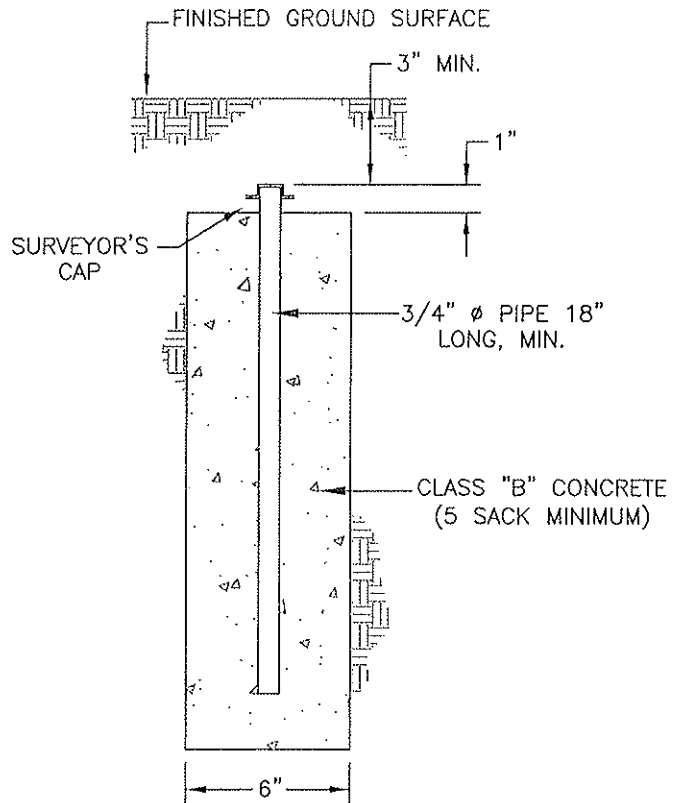
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. **E-6**

FILE NAME: E-6.dwg	Dwn: Lubong
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TYPE A
LOT CORNERS



TYPE B
SUBDIVISION CORNERS

NOTES:

1. STATE LAW REQUIRES ALL CORNERS TO BE TAGGED WITH SURVEYOR'S NUMBER.
2. ALL SUBDIVISION LOT CORNERS SHALL REQUIRE TYPE A MONUMENTS.
3. REGULAR SHAPED SUBDIVISIONS SHALL REQUIRE TYPE B MONUMENTS AT ALL CORNERS. IRREGULAR SHAPED SUBDIVISION SHALL HAVE ALL ANGLE AND CURVE POINTS MARKED WITH TYPE B MONUMENTS.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Upton
APPROVED BY CITY ENGINEER

Thomas Seltzer
APPROVED BY PUBLIC WORKS DIRECTOR

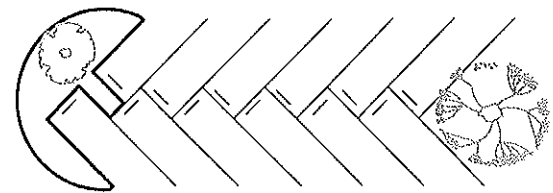
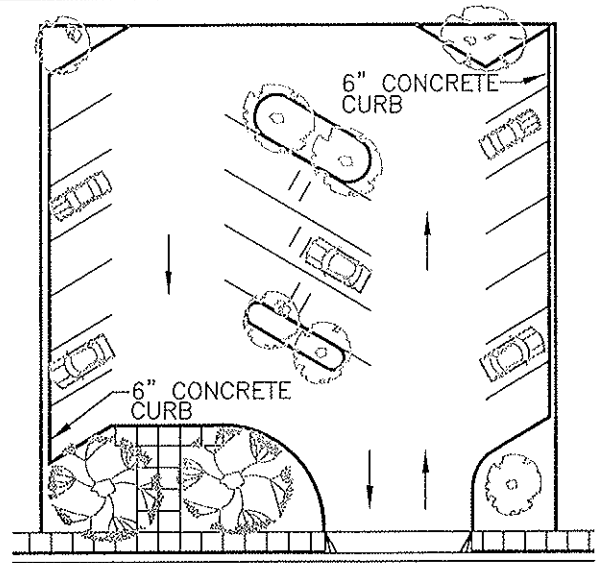
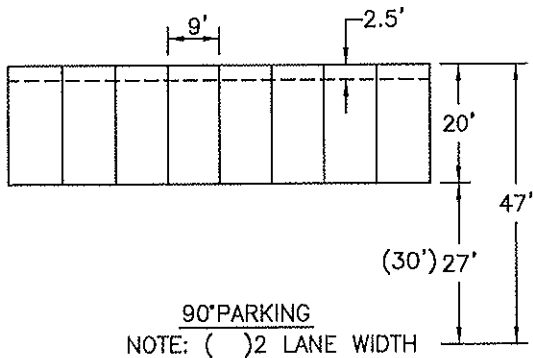
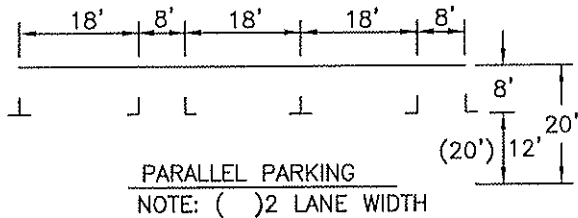
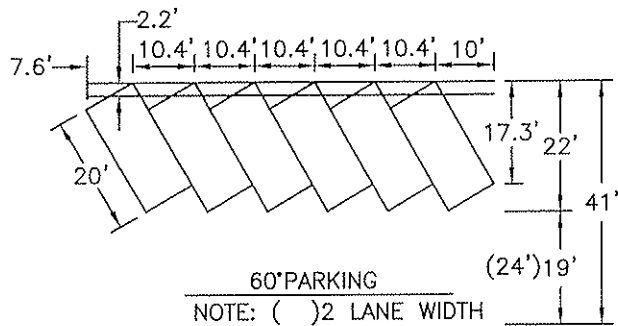
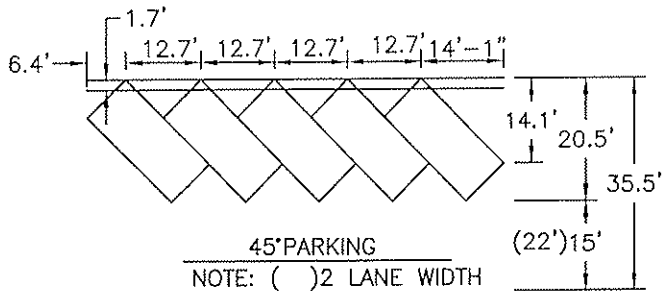
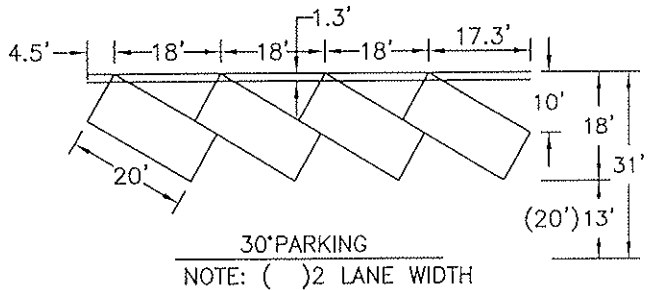
PROPERTY MONUMENT DETAILS

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. E-7

FILE NAME: E-7.dwg Dwn: Lubong

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SPECIFICATION:

1. LANDSCAPE PARKING AREA - SEE STANDARDS HEREIN.
2. PROVIDE THE REQUIRED NUMBER OF PARKING STALLS AS REQUIRED BY THE CITY OF DINUBA BASED ON ZONING AND LAND USE.
3. INSTALL WHEEL OR BUMPER STOPS TO PREVENT PARKED CARS FROM ENCRANCHING OVER SIDEWALKS, ADJOINING PROPERTY OR CITY RIGHT OF WAY.
4. PROVIDE DRAINAGE PLAN DETAILS PRIOR TO APPROVAL.
5. AISLE WAY WHICH PROVIDES DIRECT ACCESS TO PARKING STALLS SHALL BE ONE-WAY EXCEPT FOR PARKING WHICH IS PARALLEL OR PERPENDICULAR TO IT.
6. PAVING OF LOTS SHALL STOP AT PROPERTY LINE AND NOT ENCRANCH ON CITY RIGHT OF WAY.
7. PARKING LOTS SHALL INCLUDE SPACES FOR THE PHYSICALLY HANDICAPPED, PER THE CALIFORNIA BUILDING CODE CH.11
8. SINGLE SPACE SHALL BE 14' WIDE (9' PARKING - 5' LOADING).
9. ALL STALLS SHALL INCLUDE SIGNAGE AS REQUIRED BY CITY, STATE AND FEDERAL REGULATIONS.
10. PARKING LOTS SHALL COMPLY WITH CALIF. BUILDING CODE CH 11.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Wata
APPROVED BY CITY ENGINEER

Diana Kuttan
APPROVED BY PUBLIC WORKS DIRECTOR

TYPICAL PARKING LOT DESIGN AND LANDSCAPE

CITY OF DINUBA
Public Improvement Standards

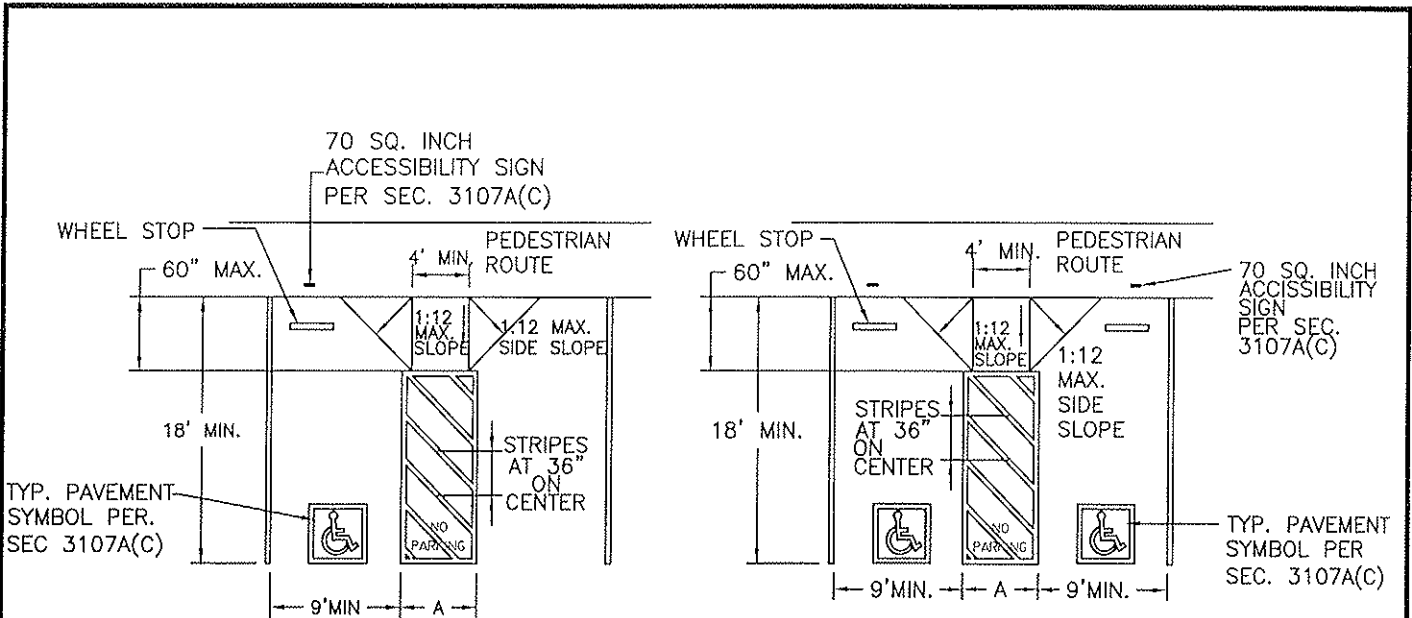
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E-8

FILE NAME: E-8.dwg Dwn: Lubong

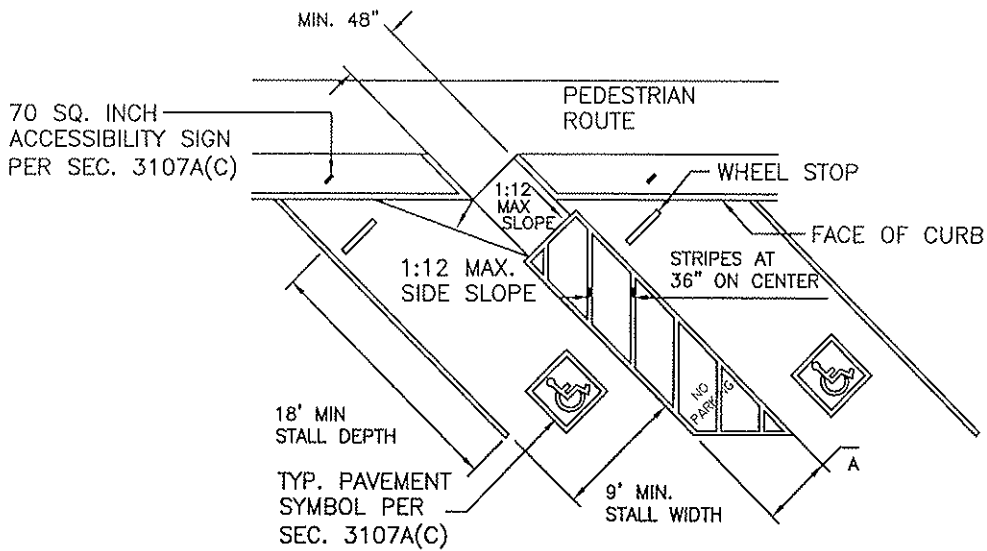
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SINGLE PARKING STALLS

DOUBLE PARKING STALLS



DIAGONAL PARKING STALLS

NOTE:
 A.=5' MIN. AT TYPICAL PARKING STALL, 8' MIN. AT VAN ACCESSIBLE PARKING STALL.

CITY COUNCIL APPROVAL: 2-27-07

Alan K. Uto
 APPROVED BY CITY ENGINEER

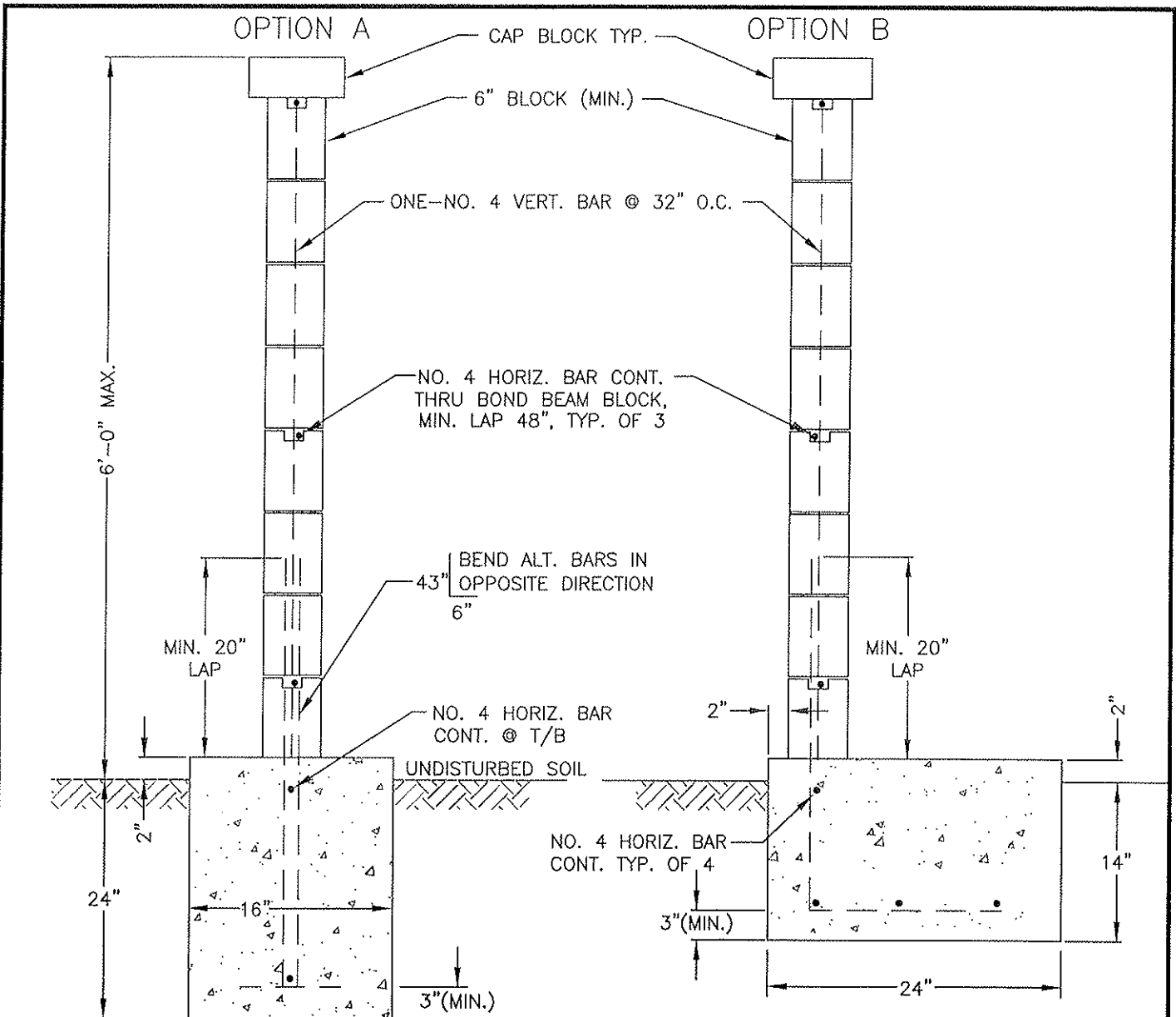
Daniel Lettrera
 APPROVED BY PUBLIC WORKS DIRECTOR

HANDICAPPED PARKING

CITY OF DINUBA
 Public Improvement Standards

DRAWING NO. **E-9**

FILE NAME: E-9.dwg	Dwn: Lubong
REVISIONS	BY DATE
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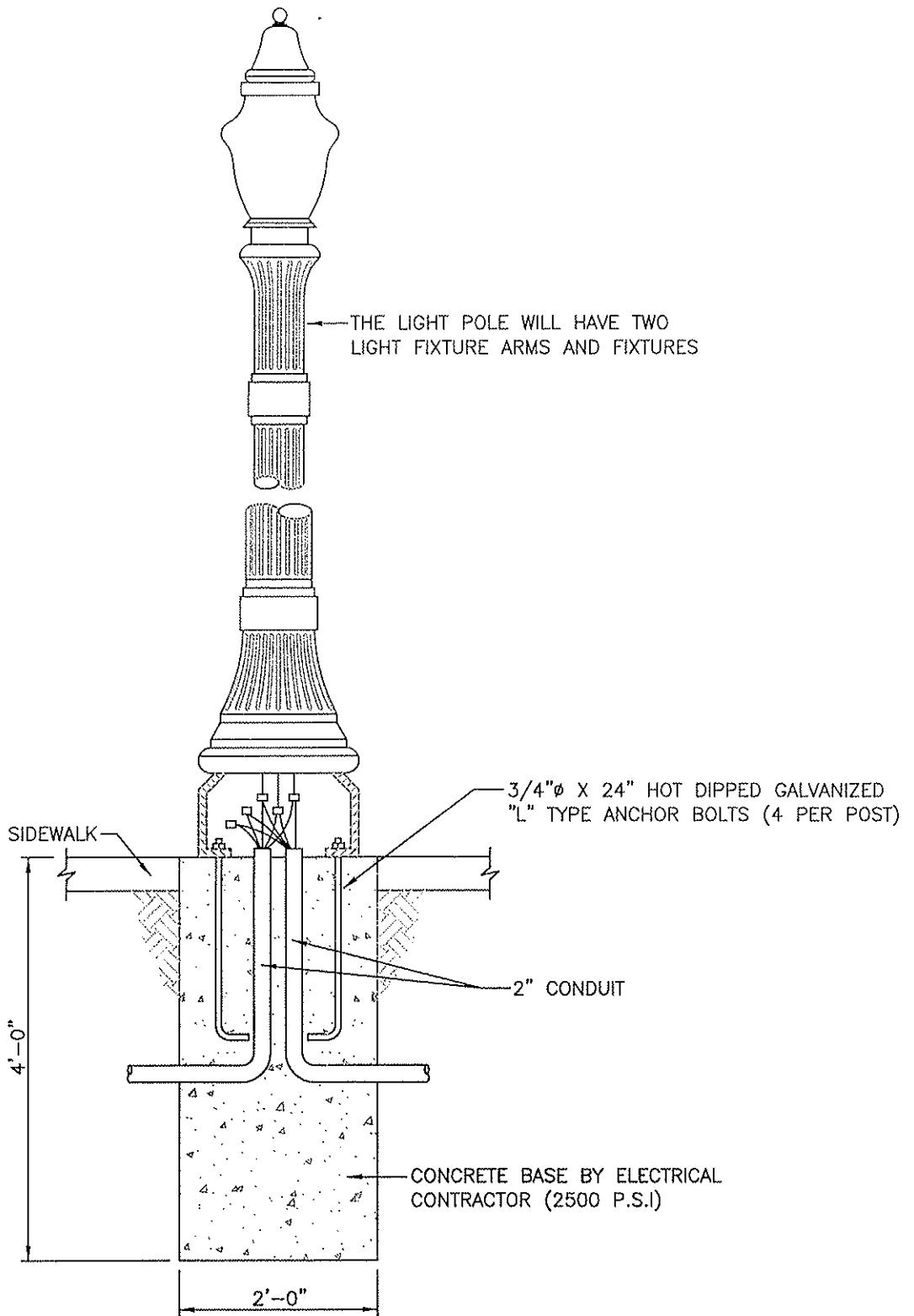
NOTES:

1. A BUILDING PERMIT IS REQUIRED PRIOR TO STARTING WORK
2. PROP CORNERS SHALL BE LOCATED AND A STRING LINE PLACED ON THE STAKES TO IDENTIFY PROP LINE AT FTG INSPECTION.
3. CONCRETE STRENGTH - MIN 2,500 PSI @ 28 DAYS, MIN 5 SACK CONCRETE.
4. REINFORCED STEEL - ASTM A615, MIN FS = 18,000 PSI MIN GRADE 40.
5. CONCRETE MASONRY UNITS (6" MIN.)- ASTM C90; CONCRETE BLOCKS GRADE 'A'.
6. GROUT - 1 PART CEMENT, 2 TO 3 PARTS SAND, 2 PARTS PEA GRAVEL, 2,000 PSI @ 28 DAYS. ALL BLOCK CELLS SHALL BE GROUTED, ALL GROUT SHALL BE VIBRATED BY AN APPROVED METHOD.
7. MORTAR - SHALL COMPLY WITH UBC CHAPTER 21. STRENGTH = 1,800 PSI @ 28 DAYS.
8. SOILS - MAX. ALLOWABLE SOIL BEARING PRESSURE = 2,000 PSF.
9. BACKFILL - COHESIONLESS SOIL.
10. ALL BLOCK FENCES OVER 6' OR FOR A DEVELOP PROJ. REQUIRES AN APPROVAL BY THE DEVELOPMENT REVIEW COMMITTEE.
11. ALL BLOCK FENCES OVER 6' ARE REQUIRED TO BE STAMPED AND SIGNED BY A LICENSED CIVIL ENGINEER. PROVIDE PLANS, DETAILS AND CALCULATIONS.
12. ALL BLOCK WALLS FOR SUBDIVISION DEVELOPMENTS SHALL BE SPLIT FACE BLOCKS & COLOR TO BE APPROVED BY THE CITY.
13. BLOCK WALL/FENCE CALCULATIONS SHALL BE SUBMITTED TO THE CITY OF DINUBA BY A CA REGISTERED ENGINEER.

CITY COUNCIL APPROVAL: 2-27-07
Dean K. Wota
 APPROVED BY CITY ENGINEER
Diana Bettan
 APPROVED BY PUBLIC WORKS DIRECTOR

MASONRY BLOCK WALL/FENCE
CITY OF DINUBA
Public Improvement Standards

DRAWING NO. E-10	
FILE NAME: E-10rev1.dwg	Dwn: Vasquez
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CITY COUNCIL APPROVAL: 2-27-07

Don K. Uota
 APPROVED BY CITY ENGINEER

Barbara Sutton
 APPROVED BY PUBLIC WORKS DIRECTOR

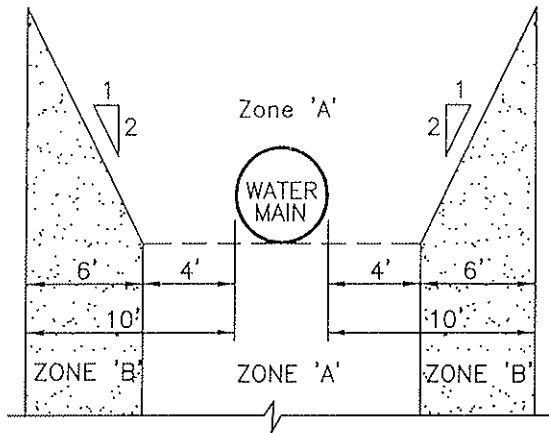
**"ANAHEIM" STREET & AREA LIGHT
 POLE BASE DETAIL**

**CITY OF DINUBA
 Public Improvement Standards**

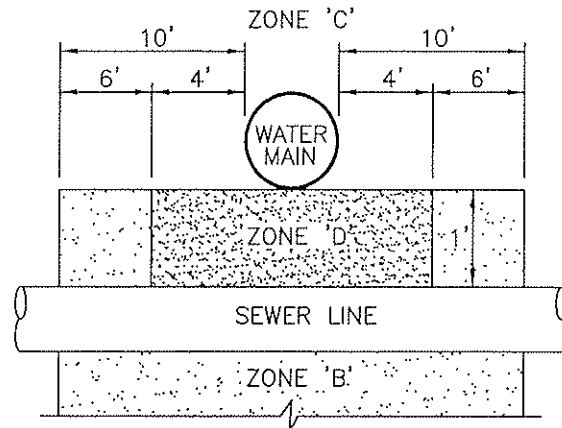
DRAWING NO. **E-11**

FILE NAME: E-11.dwg Dwn: Simpson

REVISIONS	BY	DATE



PARALLEL CONSTRUCTION



PERPENDICULAR CONSTRUCTION

CONCRETE SHALL BE CLASS 'B'
(5 SACKS PER CUBIC YARD)

REINFORCED CONCRETE
ENCASEMENT

NOTES:

1. COMPRESSION JOINTS ARE RUBBER RING OR GASKET JOINTS.
2. MECHANICAL JOINTS ARE BOLTED JOINTS.

SPECIAL CONSTRUCTION REQUIREMENTS:

CASES 1 AND 3: NEW SEWER BEING INSTALLED—NEW OR EXISTING WATER MAIN.

IF A NEW SEWER IS CONSTRUCTED WITHIN ZONE A, B, C OR D OF A PROPOSED OR EXISTING WATER MAIN, THE FOLLOWING SPECIAL REQUIREMENTS APPLY.

ZONE:

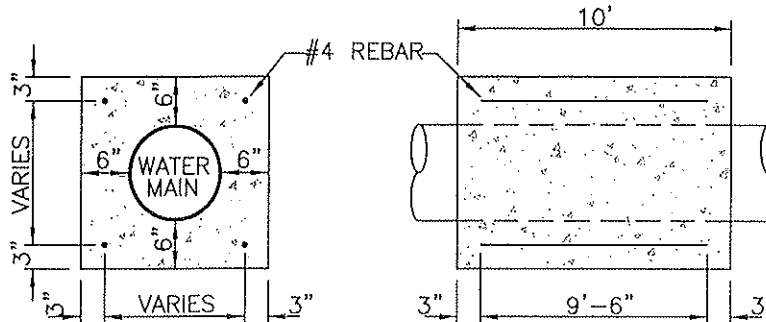
- A SEWER LINES WILL NOT BE PERMITTED IN THIS ZONE WITHOUT SPECIAL PERMISSION FROM THE PUBLIC WORKS DEPARTMENT.
- B SEWER LINES SHALL BE SDR-35, C-900-150,
- C OR D SEWER LINES SHALL BE CLASS 150 OR STRONGER CAST IRON PIPE WITH HOT DIP BITUMINOUS COATING AND APPROVED MECHANICAL JOINTS; OR ENCASED WITHIN A CONTINUOUS STEEL CASING, WHICH CASING SHALL HAVE A THICKNESS OF NOT LESS THAN 1/4" AND WITH ALL VOIDS BETWEEN THE SEWER LINE AND THE CASING PRESSURE GROUTED WITH SAND-CEMENT GROUT.

CASE 2: NEW WATER MAIN BEING INSTALLED—EXISTING SEWER

IF AN EXISTING SEWER IS LOCATED WITHIN ZONE A, B, C OR D OF A PROPOSED WATER MAIN, THE FOLLOWING SPECIAL REQUIREMENTS APPLY.

ZONE:

- A NO WATER MAIN SHALL BE CONSTRUCTED WITHOUT PERMISSION FROM THE PUBLIC WORKS DEPARTMENT.
- B IF THE SEWER DOES NOT MEET THE ZONE B REQUIREMENTS SPECIFIED ABOVE, THE WATER MAIN SHALL BE CLASS 200 PIPE OR EQUIVALENT.
- C NO WATER MAIN SHALL BE CONSTRUCTED WITHOUT SPECIAL PERMISSION FROM THE PUBLIC WORKS DEPARTMENT IF PERMISSION IS GRANTED, THE SEWER SHALL BE ENCASED WITH REINFORCED CONCRETE (SEE DETAIL ABOVE) AND THE WATER MAIN SHALL BE CLASS 200 OR EQUIVALENT.
- D THE SEWER SHALL BE ENCASED WITH CONCRETE (SEE DETAIL ABOVE) OR CONSTRUCT REINFORCED CONCRETE BLANKET BETWEEN THE SEWER AND WATER MAIN AS SHOWN IN DRAWING.



NOTE: ALL DIMENSIONS ARE FROM THE OUTSIDE OF THE WATER MAIN TO THE OUTSIDE OF THE SEWER LATERAL OR MAIN

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Don K. Ostr
APPROVED BY CITY ENGINEER

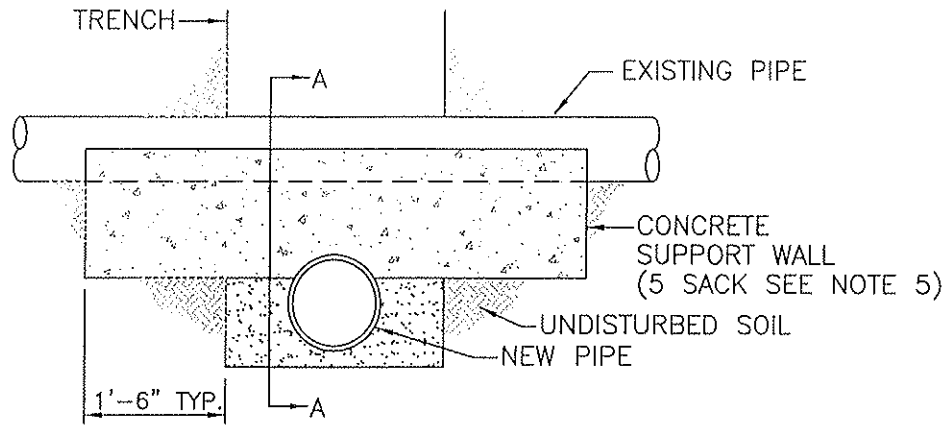
James H. Hutton
APPROVED BY PUBLIC WORKS DIRECTOR

**SPECIAL CONST. REQUIREMENTS
FOR SEWER & WATER SEPARATION**

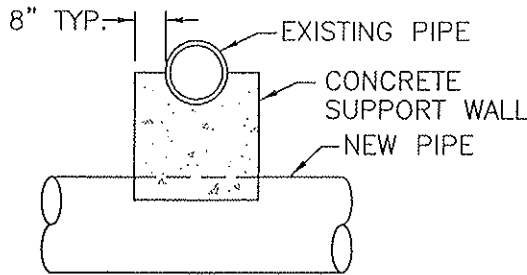
**CITY OF DINUBA
Public Improvement Standards**

DRAWING NO. **E-12**

FILE NAME: E-12.dwg	Dwn: T. Simpson
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TYPICAL SECTION



SECTION A-A

NOTES:

1. THE SUPPORTING WALL SHALL HAVE A FIRM BEARING ON THE SUBGRADE AND AGAINST THE SIDES OF THE EXCAVATION.
2. THE WALL SHALL BE AT LEAST 6" FREE AND CLEAR OF WATER MAINS OR OTHER CONDUITS OR DUCTS.
3. THE WALL THICKNESS SHALL BE EQUAL TO THE O.D. OF THE PIPE + 8".
4. THE EXISTING PIPE SHALL BE ENCASED TO THE SPRINGLINE.
5. AN ALTERNATIVE MAY BE A 2 SACK MIN. SLURRY DESIGN MIX.
6. VERIFY WITH UTILITY COMPANIES FOR CLEARANCE.

CITY COUNCIL APPROVAL: 2-27-07

Don K. Woto
APPROVED BY CITY ENGINEER

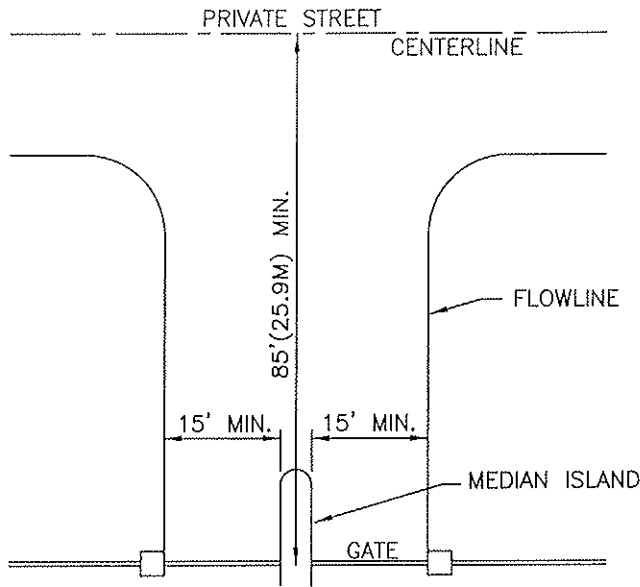
Barbara Wotton
APPROVED BY PUBLIC WORKS DIRECTOR

PIPE SUPPORTS
ACROSS TRENCHES

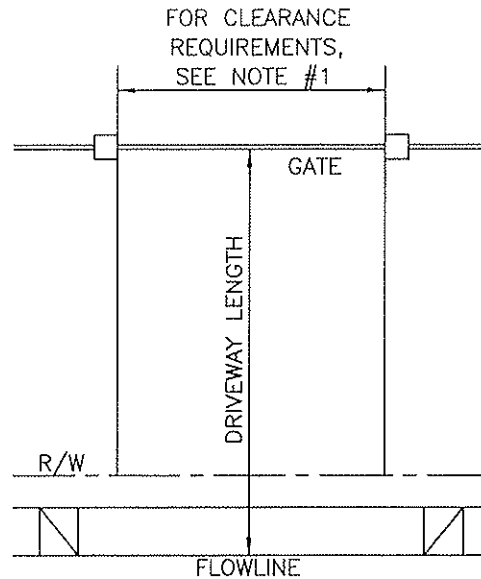
CITY OF DINUBA
Public Improvement Standards

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FILE NAME: E-13.dwg	Dwn: T. Simpson
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DRIVE WITH MEDIAN ISLAND



DRIVE WITHOUT MEDIAN ISLAND

NOTES:

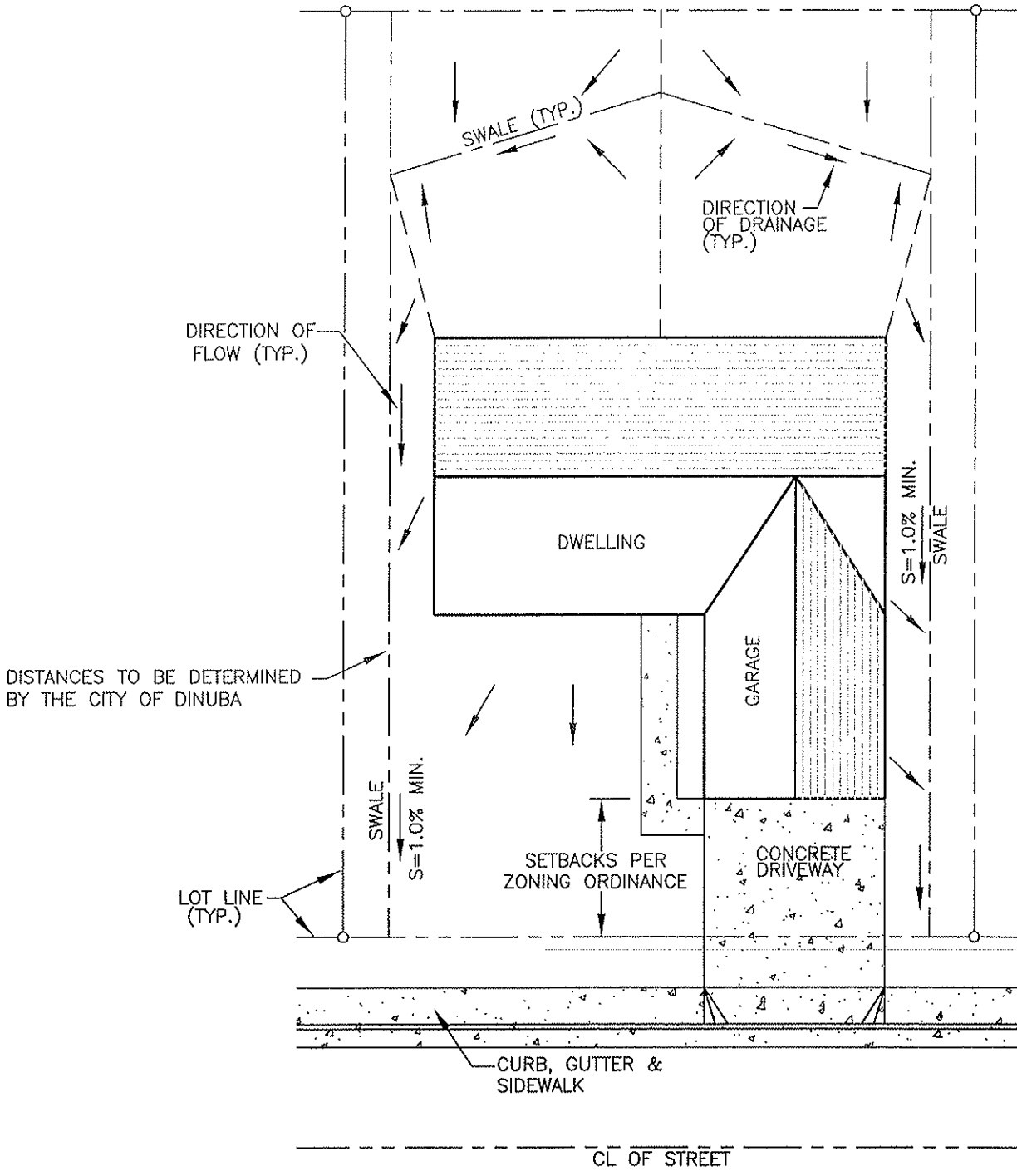
1. SLIDING OR SWINGING GATES SHALL PROVIDE A MINIMUM HORIZONTAL CLEARANCE OF 15' FOR A ONE WAY DRIVE WITH A MEDIAN ISLAND, 20' FOR A ONE WAY DRIVE WITHOUT A MEDIAN ISLAND, OR 24' FOR A TWO WAY APPROACH. ALL GATES MUST HAVE A MINIMUM VERTICAL OF 14' WHEN GATE IS IN THE FULL OPEN POSITION. HORIZONTAL DISTANCE SHALL BE MEASURED PERPENDICULAR TO THE DIRECTION OF TRAVEL ON THE DRIVEWAY. VERTICAL DISTANCE SHALL BE MEASURED FROM THE HIGHEST ELEVATION OF THE DRIVEWAY TO THE LOWEST OVERHEAD OBSTRUCTION.
2. A FIREBOX ENCLOSURE WITH AN OVERRIDE SWITCH TO OPEN THE GATE SHALL BE INSTALLED AT EACH GATE LOCATION. THE FIREBOX SHALL BE INSTALLED ON THE GATE CONTROL PEDESTAL OR ON THE GATE CONTROL BOX. THE FIREBOX SHALL BE A N.E.M.A. TYPE 3R RAIN TIGHT CABINET WITH A STANDARD KEY LOCK. STANDARD KEY LOCK SHALL BE APPROVED BY THE CITY OF DINUBA FIRE DEPARTMENT PRIOR TO INSTALLATION THE OVERRIDE SWITCH SHALL BE MOUNTED ON A DEADFRONT SWITCH-BOARD. CONTACT FIRE MARSHALL FOR ADDITIONAL INFORMATION.
3. ALL ELECTRICAL EQUIPMENT FOR USE IN A FIREBOX SHALL CONFORM TO SECTION 86-1.02 "REGULATIONS AND CODE OF THE STANDARD SPECIFICATIONS, STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION", APPROVED CURRENT EDITION.
4. THE GATE OPERATOR SHALL HAVE A DISCONNECT FEATURE FOR MANUAL OPERATIONS OF THE GATE WHEN POWER FAILS.
5. MINIMUM DRIVEWAY LENGTH FROM THE GATE TO THE FLOWLINE OF A PUBLIC STREET SHALL BE 50' OR AS PER TABLE 6.9.2. OF THE SUBDIVISION DESIGN MANUAL, WHICHEVER IS GREATER. MULTIPLE LANES IN A DRIVEWAY MAY BE CONSIDERED IN REDUCING REQUIRED DRIVEWAY LENGTH, BUT IN NO CASE WILL THE MINIMUM LENGTH BE LESS THAN 50'.
6. MINIMUM ROADWAY LENGTH FROM THE GATE TO THE CENTERLINE OF THE NEAREST PERPENDICULAR PRIVATE STREET SHALL BE 85' OR GREATER DUE TO THE TURNING RADIUS REQUIREMENTS OF CERTAIN TYPES OF FIRE EQUIPMENT.
7. PRIOR TO CONSTRUCTION, APPROVAL OF ALL PRIVATE GATES AND ACCESS MUST BE OBTAINED FROM THE CITY OF DINUBA FIRE DEPARTMENT.

CITY COUNCIL APPROVAL: 2-27-07
Dean K. Woto
 APPROVED BY CITY ENGINEER
Blanca Lottman
 APPROVED BY PUBLIC WORKS DIRECTOR

**GATED ENTRY FOR
PRIVATE STREETS**

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. E-14	
FILE NAME: E-14.dwg	Dwn: Simpson
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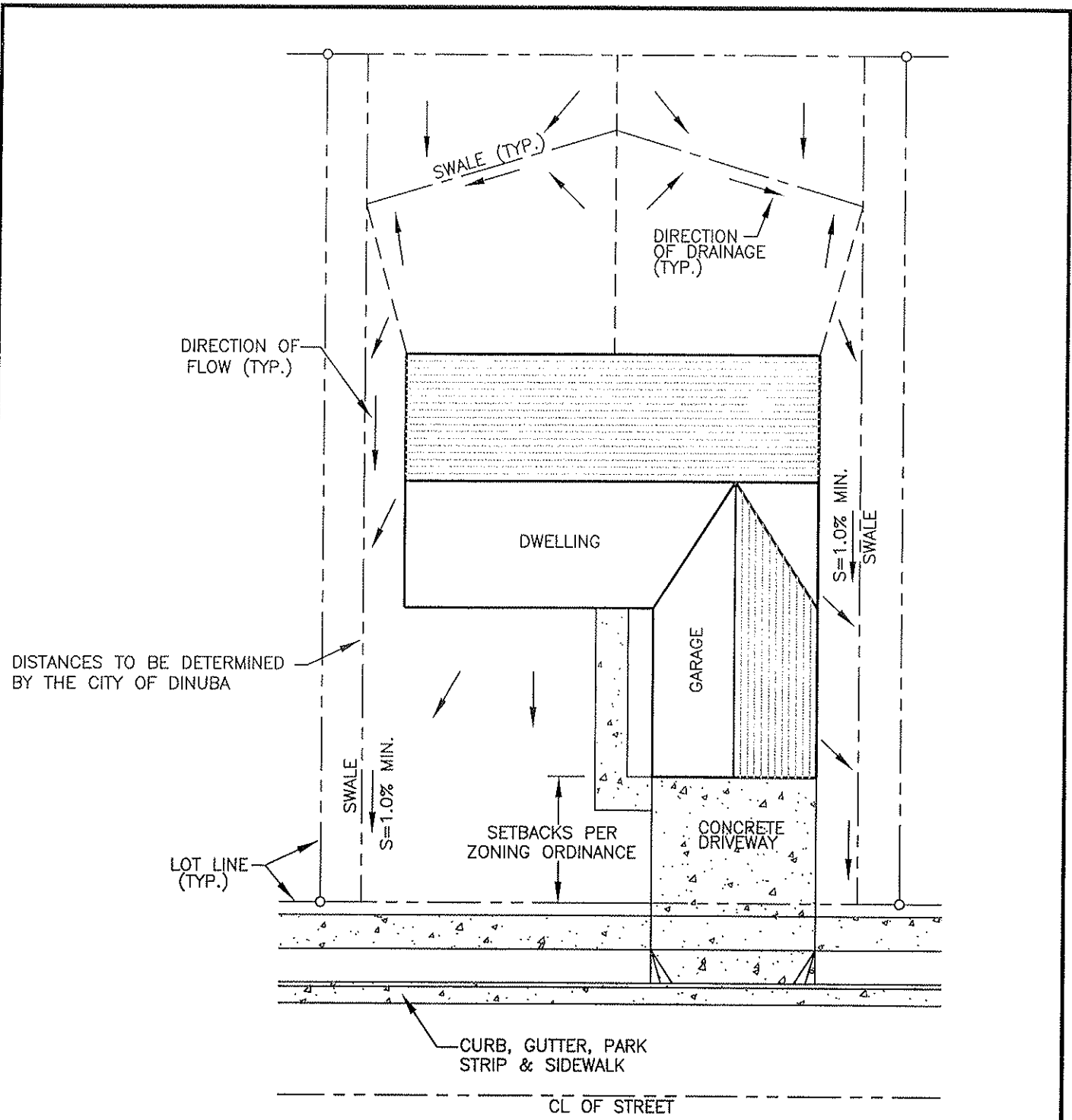
- NOTES:
1. LOTS SHALL BE GRADED TO DRAIN TO THE STREETS.
 2. FINISH FLOOR ELEVATION SHALL BE A MIN. OF 18" FROM FLOWLINE OF CURB AT LOWEST POINT ALONG PROP. FRONTAGE.
 3. MAINTAIN POSITIVE DRAINAGE AWAY FROM DWELLING STRUCTURE, MINIMUM 5' AT 2%.
 4. A RETAINING STRUCTURE SHALL BE REQUIRED ALONG ALL SIDE AND BACKYARD PROPERTY LINES WHERE GRADE DIFFERENTIAL EXCEEDS 6", UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.
 5. LANDSCAPING SHALL NOT ALTER LOT DRAINAGE DESIGN.

CITY COUNCIL APPROVAL: 2-27-07
Paul K. Uto
 APPROVED BY CITY ENGINEER
Barbara L. Uto
 APPROVED BY PUBLIC WORKS DIRECTOR

TYPICAL LOT DRAINAGE

CITY OF DINUBA
Public Improvement Standards

DRAWING NO. E-15	
FILE NAME: E-15.dwg	Dwn: Lubong
REVISIONS	BY DATE
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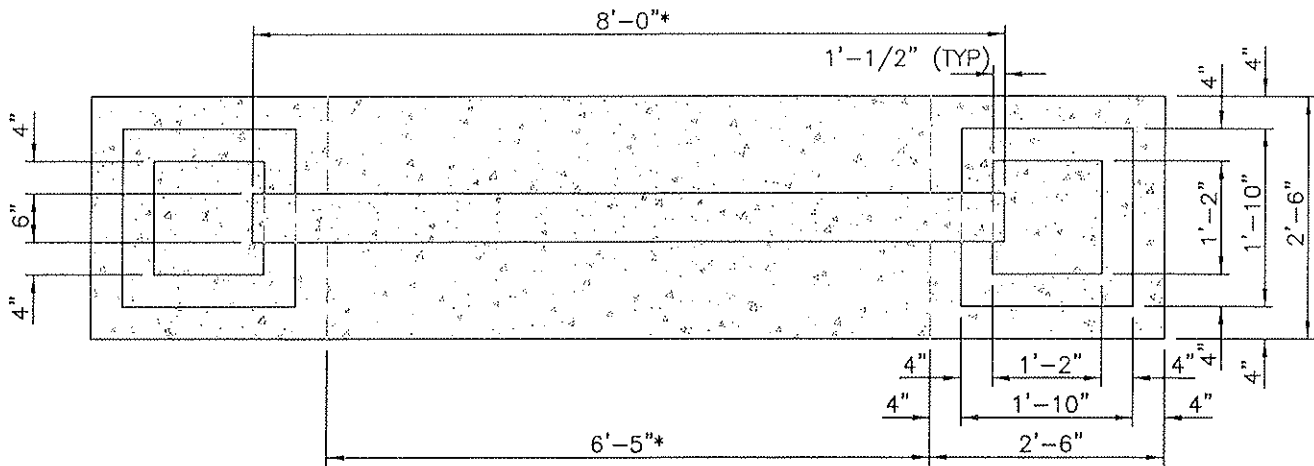
- NOTES:
1. LOTS SHALL BE GRADED TO DRAIN TO THE STREETS.
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 3. MAINTAIN POSITIVE DRAINAGE AWAY FROM DWELLING STRUCTURE, MINIMUM 5' AT 2%.
 4. A RETAINING STRUCTURE SHALL BE REQUIRED ALONG ALL SIDE AND BACKYARD PROPERTY LINES WHERE GRADE DIFFERENTIAL EXCEEDS 6", UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.
 5. LANDSCAPING SHALL NOT ALTER LOT DRAINAGE DESIGN.
 6. REFER TO 2007 GENERAL PLAN UPDATE.

CITY COUNCIL APPROVAL: 2-27-07
Adam R. Utter
 APPROVED BY CITY ENGINEER
Diana L. Utter
 APPROVED BY PUBLIC WORKS DIRECTOR

**TYPICAL LOT DRAINAGE
 WITH PARK STRIPS SHOWN**

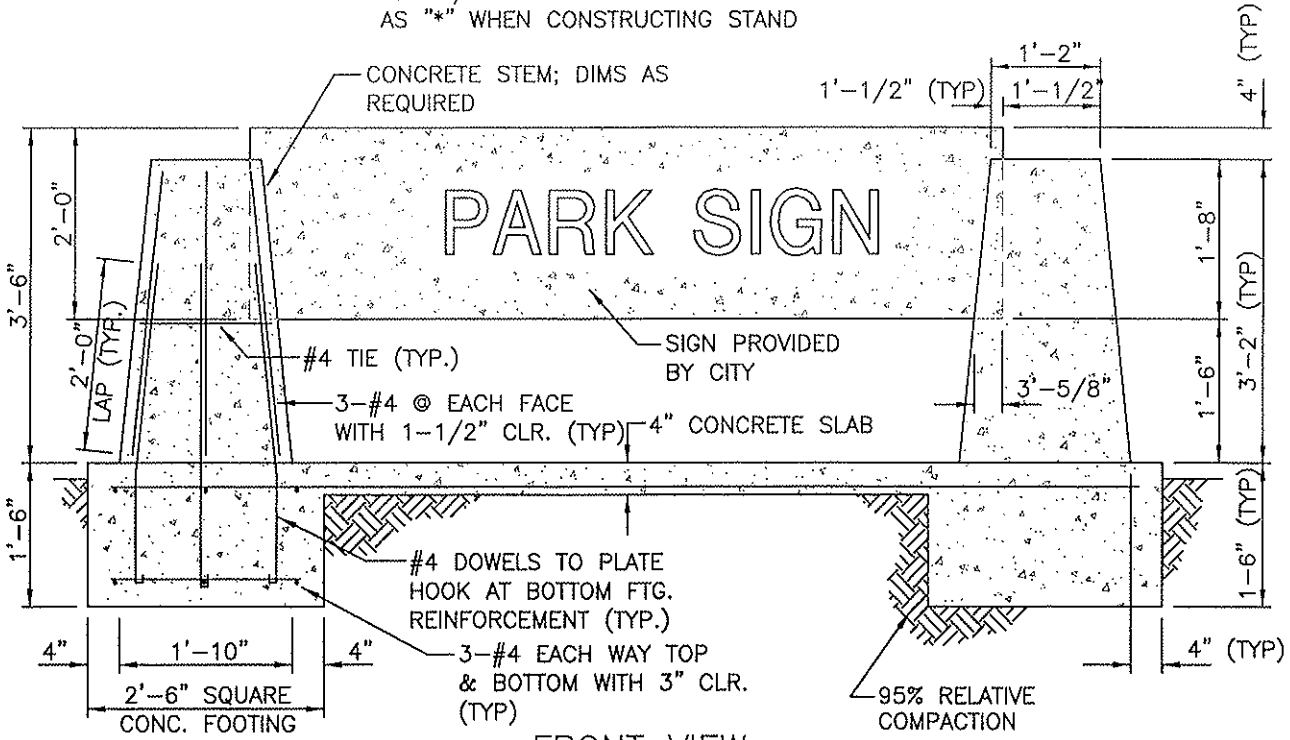
**CITY OF DINUBA
 Public Improvement Standards**

DRAWING NO. E-15a		
FILE NAME: E-15a.dwg	Dwn: Lubong	
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Gen Notes	T.S.	4/14/06
Park Strips	S.S.	12/18/06



TOP VIEW

NOTE:
 *EXACT SIGN DIMENSIONS ARE SHOWN.
 ADD 1/4" TO EACH DIMENSION SHOWN
 AS "*" WHEN CONSTRUCTING STAND



FRONT VIEW

- NOTES:
1. CONCRETE - 5.5 SACK MINIMUM.
 2. CONCRETE FINISH - FINE BROOM.
 3. REBAR - GRADE 60.

CITY COUNCIL APPROVAL: 2-27-07
Don K. Coto
 APPROVED BY CITY ENGINEER
Diana Buttan
 APPROVED BY PUBLIC WORKS DIRECTOR

MONUMENT SIGN

CITY OF DINUBA
 Public Improvement Standards

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