



CITY OF DAVIS
PUBLIC WORKS ENGINEERING AND
TRANSPORTATION DEPARTMENT
STANDARD PLANS

OCTOBER 2024 EDITION

DIANNA JENSEN
Director of Public Works Engineering and Transportation/ City Engineer
1717 Fifth Street
Davis, CA 95616
530-747-5846

Plan Title	Drawing Number	Latest Revision+
WATER DETAILS		
Fire Hydrant	101-1	---
Profile View	101-1	October 2024
Plan View	101-1	October 2024
Thrust Block Area for Water Mains	101-2	October 2024
Water Valve Box	101-3	---
Water Valve Box	101-3	October 2024
Non Potable Water Valve Box	101-3	October 2024
Locating Wire Splice	101-3	October 2024
Water Line Blowoff Installation	101-4	October 2024
Water Service	101-5	---
Water Service up to 2"— Service Tap of PVC Pipe	101-5	July 2017
Water Service up to 2"— Service Tap of Ductile Iron Pipe	101-5	July 2017
Water Service - 4" and Larger	101-5	July 2017
Water Meter Details	101-6	---
1" and Smaller	101-6	October 2024
1-1/2" and 2"	101-6	October 2024
3" & Larger w/ Bypass	101-6	October 2024
3" & Larger w/ Bypass Isometric	101-6	October 2024
Box Details for Driveways and Planters 2" and Smaller	101-6	October 2024
Angle Meter Stops and Construction Notes	101-6	October 2024
Meter Boxes	101-6	October 2024
Duplex Utility Service	101-7	---
Duplex Utility Service	101-7	October 2024
Duplex Utility Service Location	101-7	October 2024
Condominium Water Service Shutoff	101-8	July 2017

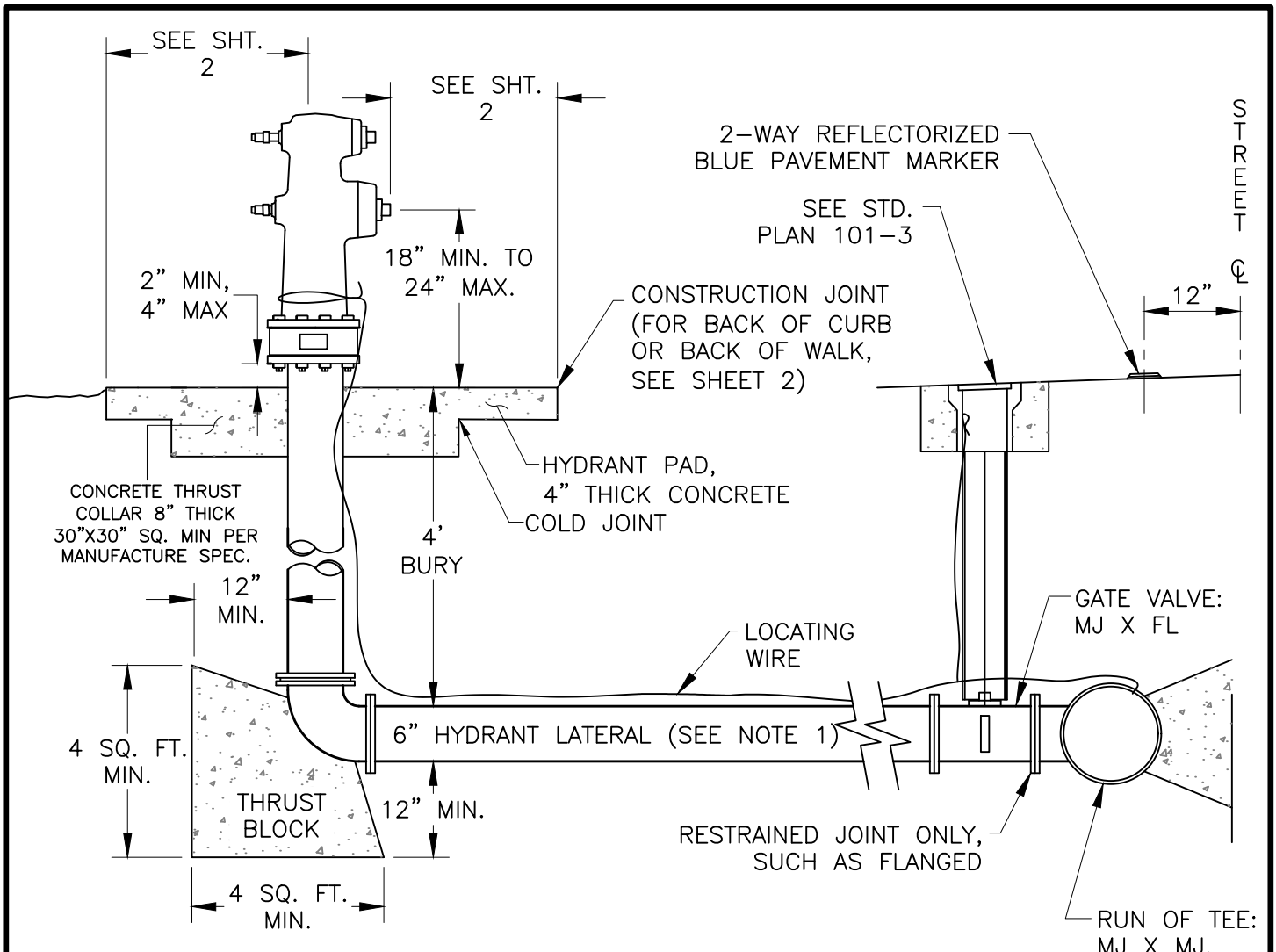
Plan Title	Drawing Number	Latest Revision+
Private Fire Wet Line System	101-9	--
Double Check Backflow Assembly for 4" & Above Private Wet Line System	101-9	October 2024
Water Sampling Station	101-10	July 2017
Backflow Prevention	101-11	---
Assembly Layout	101-11	October 2024
Air-Gap Separation	101-11	July 2017
Sacrificial Anode Installation	101-12	---
2" and Smaller	101-12	October 2024
Installation with Test Box	101-12	July 2017
Anode Wire Clamp Details	101-12	July 2017
Water Main Sleeve Crossing Under Wet Utility	101-13	October 2024
TRENCHING AND SEWER DETAILS		
Trenching Details	201-1	---
Typical Trench Details	201-1	July 2017
Pipe Bedding & Initial Backfill	201-1	October 2024
Temporary Patch in Paved Area	201-1	October 2024
Permanent Patch in Paved Area	201-1	October 2024
Patch Detail with 2 Sack Slurry Backfill	201-1	October 2024
Existing Concrete	201-1	October 2024
Deep Section (≥8") 'T' Patch	201-1	July 2017
Trench Details – Narrow Trench	201-1	October 2024
Backfill and Compaction at Structures	201-1	October 2024
City Landscape Areas, Lighting Trench Details	201-1	October 2024
A.C. Patches in Roadway	201-1	October 2024
Maintenance Hole Details	201-2	---
Maintenance Hole Details	201-2	July 2017

Plan Title	Drawing Number	Latest Revision+
Base and Plan	201-2	July 2017
Sanitary Sewer Drop Maintenance Hole	201-2	October 2024
Saddle Base	201-2	February 1996
Flat Top Maintenance Hole	201-2	February 1996
Frame and Cover	201-2	February 1996
Flusher Branch and Cover	201-3	October 2024
Sewer Service Connections	201-4	---
Sheet 1	201-4	January 1994
Sheet 2	201-4	October 2024
Sewer Line Taps	201-5	October 2024
Sanitary Sewer Service	201-6	---
SDR 26	201-6	October 2024
VCP Riser	201-6	October 2024
Joint Trench 4' Behind Walk	201-6	October 2024
Sewer Service Box in Driveways	201-7	May 1998
Sewer Service Lateral Repair	201-8	---
No Conflict in Grade	201-8	October 2024
Conflict in Grade	201-8	May 1998
HARDSCAPE AND LIGHTING DETAILS		
Sidewalk Details	301-1	---
Curb, Gutter and Sidewalk	301-1	October 2024
Retrofit Curb, Gutter & Sidewalk	301-1	October 2024
Sidewalk Transition Panel	301-1	July 2017
Curb and Thick Gutter at Bus Stops	301-1	October 2024
Concrete Slab Dowel Detail	301-1	July 2017
Historic or Window Pane Scoring Pattern	301-1	October 2024
Barrier Curb	301-2	---

Plan Title	Drawing Number	Latest Revision+
Standard Curb	301-2	October 2024
Extruded Curb (Retrofit)	301-2	October 2024
Curb Ramps	301-3	---
Details	301-3	October 2024
Details	301-3	October 2024
Details and Sections	301-3	October 2024
Notes	301-3	October 2024
Case C Ramp Retrofit Where ROW is at BOW With Roll Curb	301-3	October 2024
Standard Driveway Details	301-4	---
Notes and Lip Detail	301-4	July 2017
Type 1 Driveway	301-4	October 2024
Type 2 Driveway	301-4	October 2024
Transition Driveway	301-4	July 2017
Monument Box	301-5	February 1996
Barricade Details	301-6	October 2024
Street Barricade	301-6	October 2024
Pedestrian Barricade	301-6	October 2024
Bike Paths	301-7	---
PCC Shared Use Path	301-7	October 2024
AC Shared Use Path	301-7	October 2024
Entrance Detail	301-7	October 2024
Bollard Details	301-8	---
Bollard Spacing	301-8	October 2024
Bollard Details	301-8	October 2024
Traffic Signing Detail	301-9	---
Square Post	301-9	July 2017
Round Post	301-9	July 2017

Plan Title	Drawing Number	Latest Revision+
Street Name Sign Details	301-10	---
Public Street	301-10	October 2024
Private Street	301-10	October 2024
Location Details for Lights	301-11	---
Service Sox Installation and Location Details for Street Lights	301-11	July 2017
Location Details for Bike Path Lights	301-11	October 2024
Bollard Lighting Location & Details	301-11	October 2024
Street Light, Park and Path Light Luminaires	301-12	October 2024
Street Lights	301-13	---
Standard Street Light	301-13	October 2024
Street Light W/ Antenna Pole	301-13	October 2024
Street Light W/ Antenna Pole Details	301-13	October 2024
Street Light W/ Antenna Data Sheet	301-13	October 2024
Street Light W/ Antenna Anchor Adapter Plate	301-13	October 2024
Light Pole W/ Antenna Foundation	301-13	October 2024
Decorative Street Lights	301-14	---
Pole Details	301-14	October 2024
Luminaire Details	301-14	October 2024
Street Light Numbers	301-15	July 2017
Property Corner Marker	301-16	January 1992
Bus Stop Shelter	301-17	July 2017
Bicycle Rack	301-18	---
LR Series (LR-P)	301-18	October 2024
LR Series (LR-D)	301-18	October 2024
LR Series (LR-XP)	301-18	October 2024
Bike Rack Pads	301-18	October 2024
Bike Rack Installation in Paver Area	301-18	October 2024

Plan Title	Drawing Number	Latest Revision+
Raised Medians	301-19	---
Raised Median Nose Marking Detail	301-19	October 2024
Raised Median Nose Marking Detail at Left Turn Pocket	301-19	October 2024
Pork Chop Island Nose Marking Detail	301-19	October 2024
Curved and Pressed-Point Picket Fence and Gate	301-20	October 2024
STORMWATER DETAILS		
Drop Inlet	401-1	---
Top Detail	401-1	October 2024
Top Replacement Detail	401-1	October 2024
Base Detail	401-1	July 2017
Curb Transition (Rolled to Vertical)	401-1	July 2017
Retrofit	401-1	October 2024
Type B Drop Inlet with Cast Iron Hood, Fabricated Frame and Grate	401-1	October 2024
Type B Drop Inlet Grate and Frame Detail	401-1	October 2024
Curb Inlet and Curb Ramp at Corner	401-1	October 2024
Concrete Collar for Joining RCP & CIPP	401-2	February 1996
Street Underdrain	401-3	January 1992



NOTES:

1. SEE STANDARD SPEC. SEC. 203-4, SEE STANDARD PLAN 101-5, SHT. 3
2. SEE STANDARD SPEC 203-6. HYDRANT SHALL BE CLOW 960 OR APPROVED EQUAL, SHORT BREAK VALVE SHALL BE HYDRANT GAURD 2 OR APPROVED EQUAL.
3. ANTI-SEIZE SHALL BE APPLIED TO THE BREAKAWAY BOLTS BEFORE SCREWING INTO THE TOP OF THE CHECK VALVE. DO NOT USE IMPACT WRENCHES TO INSTALL BREAKAWAY BOLTS.
4. THE NON-INDENTED HYDRANT GUARD LOGO AND AMERICAN FLAG SHALL FACE THE BLUE PAVEMENT MARKER

1.	Changed hydrant type	3/21			
2.	Updated short break valve	5/24			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

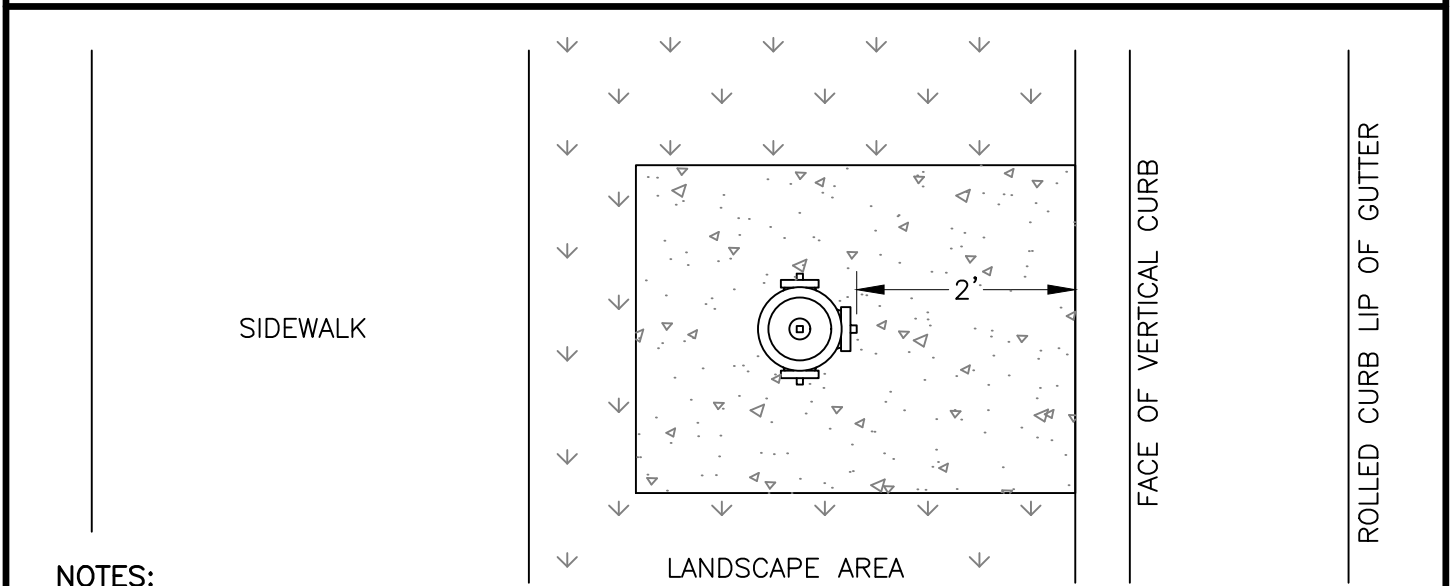
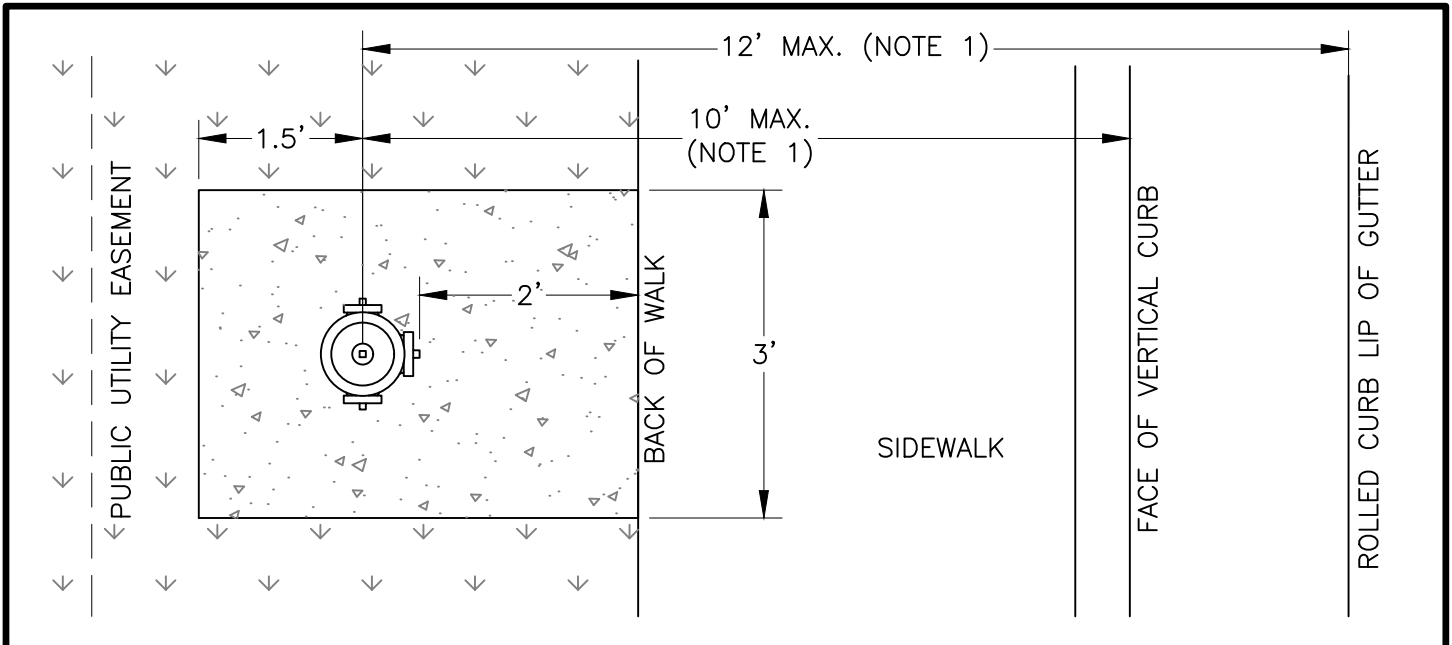
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FIRE HYDRANT - PROFILE VIEW

SHEET 1 OF 2

101-1



NOTES:

1. MAX. DIMENSION SHALL NOT BE EXCEEDED WITHOUT DAVIS FIRE DEPT. APPROVAL.
2. PRIOR TO ACCEPTANCE, ALL NICKS, SCRAPES, ETC. IN THE FACTORY FINISH SHALL BE PAINTED WITH APPROVED PAINT.
3. FINISH COLOR – YELLOW FOR PUBLIC AND RED FOR PRIVATE, PER STANDARD SPEC. 203-6.6.
4. PROVIDE 3' CLEARANCE AROUND FIRE HYDRANT.

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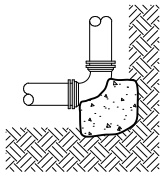
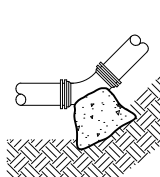
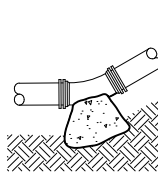
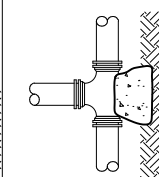
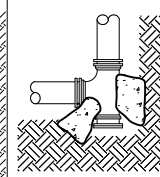
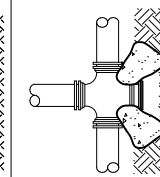
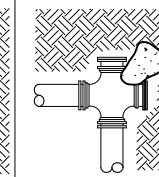
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FIRE HYDRANT - PLAN VIEWS

SHEET 2 OF 2

101-1

REQUIRED BEARING AREA – TOTAL SQUARE FEET


FITTING TYPE	90° BEND	45° BEND	11¼° OR 22½° BEND	TEE OR DEAD END	TEE W/ PLUG	CROSS W/ PLUG	CROSS W/ PLUGS
TYPICAL INSTALLATION							
PIPE SIZES	4"	2	1	1	2	2	2
	6"	4	2	1	3	4	4
	8"	7	4	2	5	7	7
	10"	12	6	3	8	12	12
	12"	16	10	5	12	16	16
	14"						

NOTES:

- THRUST BLOCKS TO BE CONSTRUCTED OF CLASS "C" CONCRETE.
- AREAS GIVEN ARE FOR CLASS 200 PIPE AT TEST PRESSURE OF 150 P.S.I. IN SOIL WITH 2,000 P.S.F. BEARING CAPACITY. INSTALLATIONS USING DIFFERENT PIPE, TEST PRESSURES, AND/OR SOLID TYPES SHOULD ADJUST AREAS ACCORDINGLY, SUBJECT TO APPROVAL OF ENGINEER.
- BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
- CONCRETE SHALL BE KEPT CLEAR OF JOINTS AND FACES OF PLUGS. ALL FITTINGS SHALL BE WRAPPED WITH 8 MIL. PLASTIC SO THAT CONCRETE DOES NOT CONTACT WATER MAIN.
- THRUST BLOCKS NOT MEETING THIS DETAIL OR THE USE OF OTHER MEANS TO RESIST WATER HAMMER ACTION MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
- THRUST BLOCKS SHALL NOT BE LOCATED OR SIZED TO ENCASE ADJACENT PIPES OR FITTINGS.
- FOR PIPES LARGER THAN 12" CALCULATIONS SHALL BE SUBMITTED PRIOR TO DESIGN APPROVAL.

Rev.	Description	Date	Rev.	Description	Date
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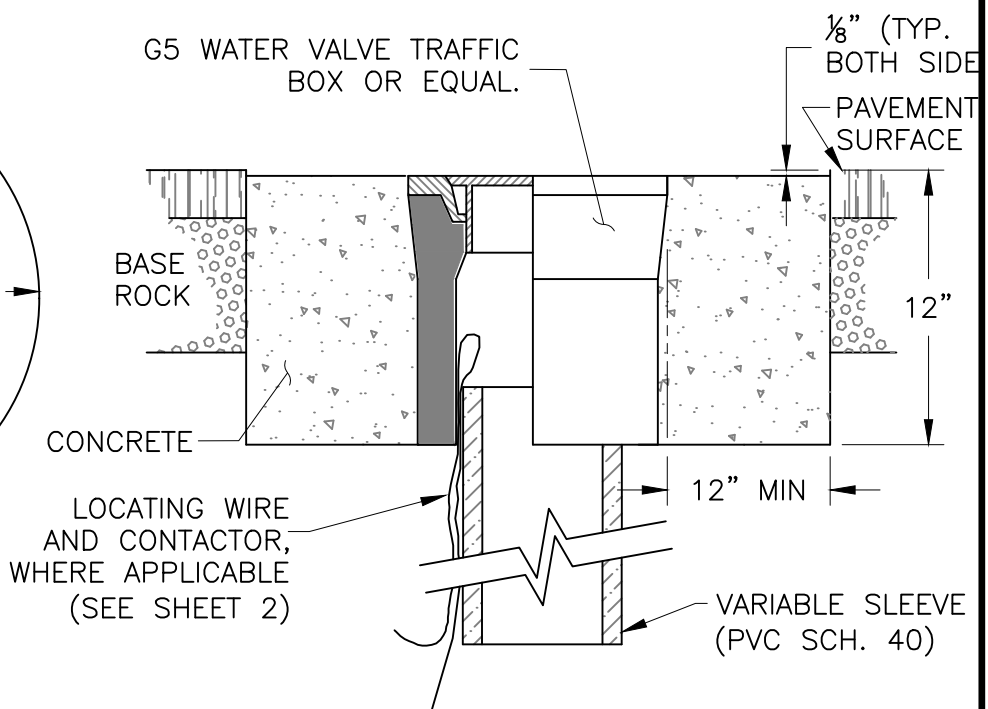
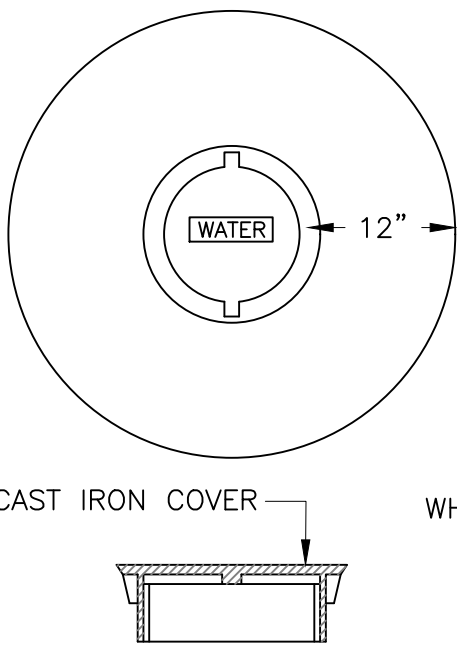
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THRUST BLOCK AREA FOR WATER MAINS

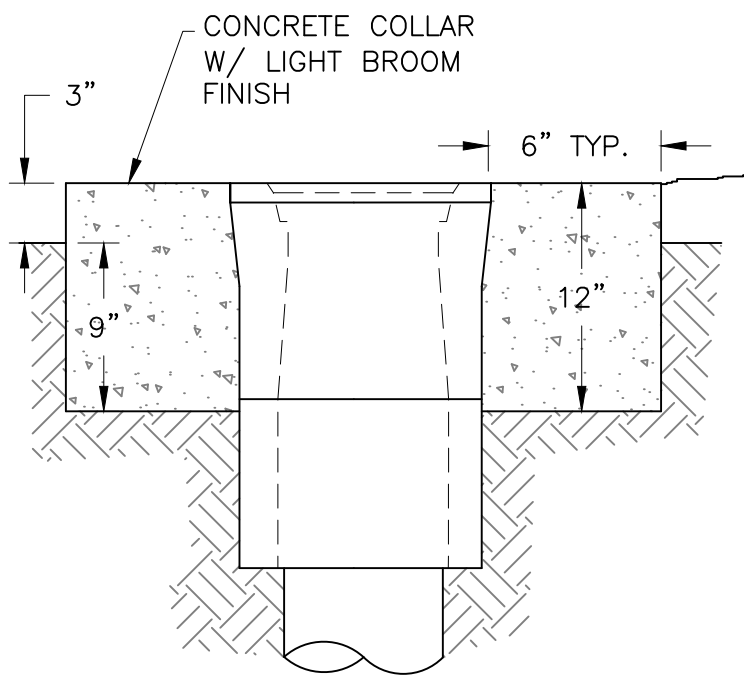
SHEET 1 OF 1

101-2



NOTES:


1. THE PRECAST TRAFFIC TYPE COVER BOX SHALL BE PER SECTION 203-7 OF THE STANDARD SPECIFICATIONS.
2. THE SLEEVE SHALL BE 6" OR 8" DIAMETER PVC (SCH. 40) EXTENDED FROM INSIDE VALVE COVER BOX TO TOP OF VALVE. THE SLEEVE SHALL FIT SUCH THAT THE PRECAST BOX CAN SLIDE FREELY.
3. CONCRETE PER STANDARD SPECIFICATIONS.
4. REMOVAL OF PAVEMENT FOR THE PRECAST BOX SHALL BE WITH A PNEUMATIC HAMMER, CHISEL TYPE, OR OTHER APPROVED EQUIPMENT.
5. PRIOR TO POUR THE CONTRACTOR SHALL CALL FOR AN INSPECTION.
6. LOCATING WIRE TO BE OUTSIDE OF RISER SLEEVE, INSIDE VALVE BOX.
7. THE MATING SURFACES OF THE LID AND RIM SHALL BE MACHINED FOR A TIGHT FIT.



**DETAIL FOR PERMANENT VALVE
IN UNPAVED AREA**

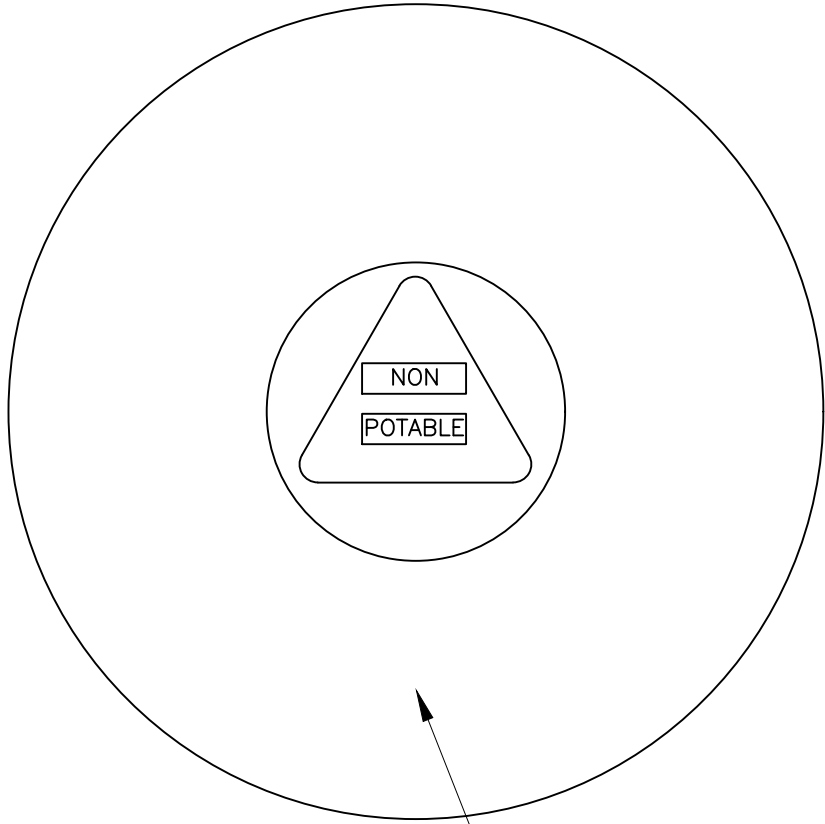
3/21	Made collar 12" wide				
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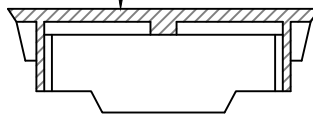
WATER VALVE BOX

SHEET 1 OF 3 101-3



CAST IRON COVER

COLLAR PER SHEET
1 WHEN IN STREET



NOTES:

1. USE CHRISTY G04 BOX AND G04C LID FOR ALL VALVE RISERS ON NON-POTABLE WATER SYSTEMS WITHIN THE CITY.
2. FRAME AND LID TO BE PAINTED PURPLE PER SECTION 203-11.3.2

3/21	Made collar 12" wide				
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

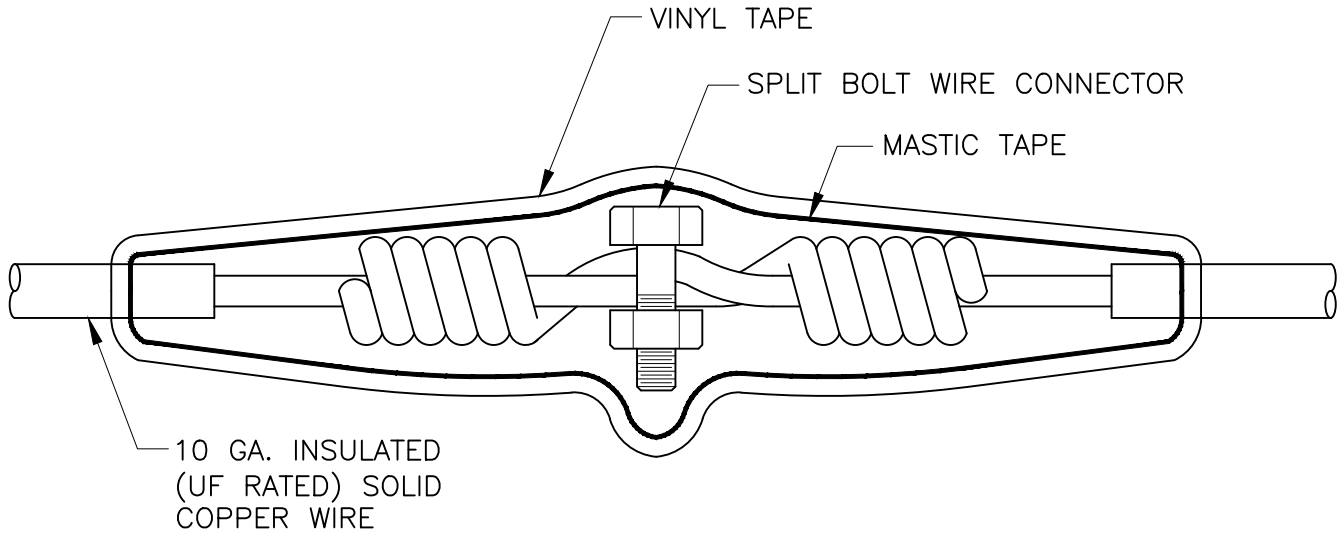
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**NON-POTABLE
 WATER VALVE BOX**

SHEET 2 OF 3

101-3



NOTES:

1. TWIST THE WIRE A MINIMUM OF FIVE TIMES ON EACH END.
2. INSTALL COPPER SPLIT BOLT CONNECTOR.
3. WIRE SPLICE TO BE SOLDERED.
4. COVER THE ENTIRE SPLICE WITH MASTIC TAPE WRAP.
5. WRAP MASTIC WITH VINYL TAPE.
6. WIRE SPLICES, WHERE NEEDED, SHALL BE LOCATED WITHIN A VALVE BOX PER STANDARD PLAN 101-03.

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CITY OF DAVIS STANDARD PLAN

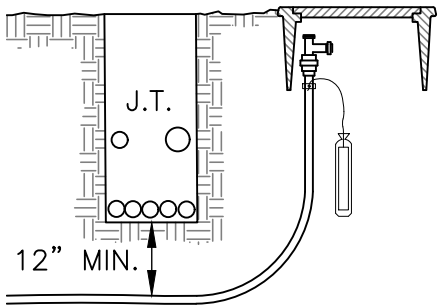
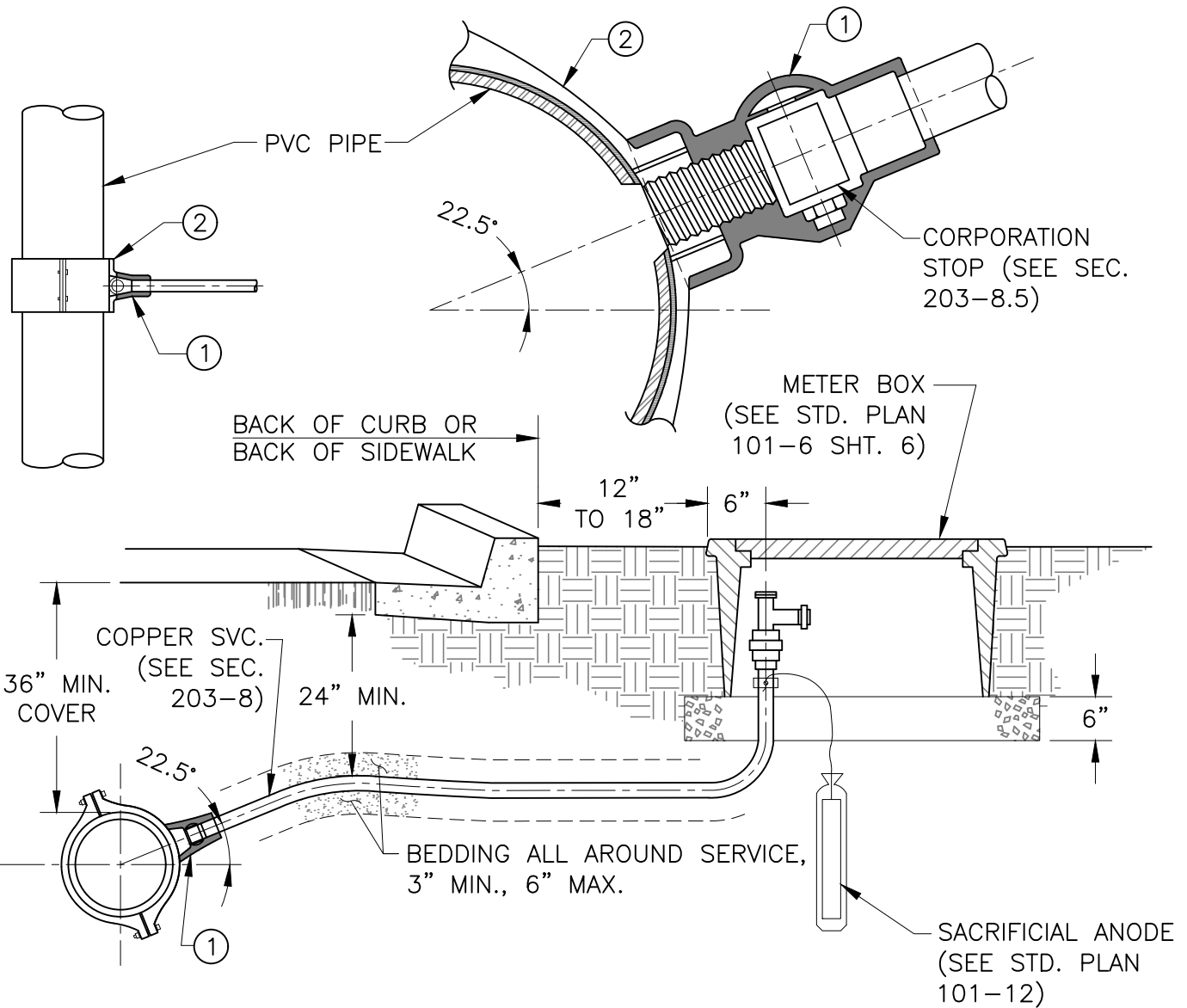
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LOCATING WIRE SPLICE

SHEET 3 OF 3

101-3



TYP. JOINT TRENCH CROSSING

- ① POLYKEN #900 TAPE WRAP.
- ② ALL BRONZE SERVICE SADDLE (SEE SEC. 203-8.2)
- ③ FOR RETROFIT, NEW SADDLE SHALL BE INSTALLED. SEE 305-10.2

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CITY OF DAVIS STANDARD PLAN

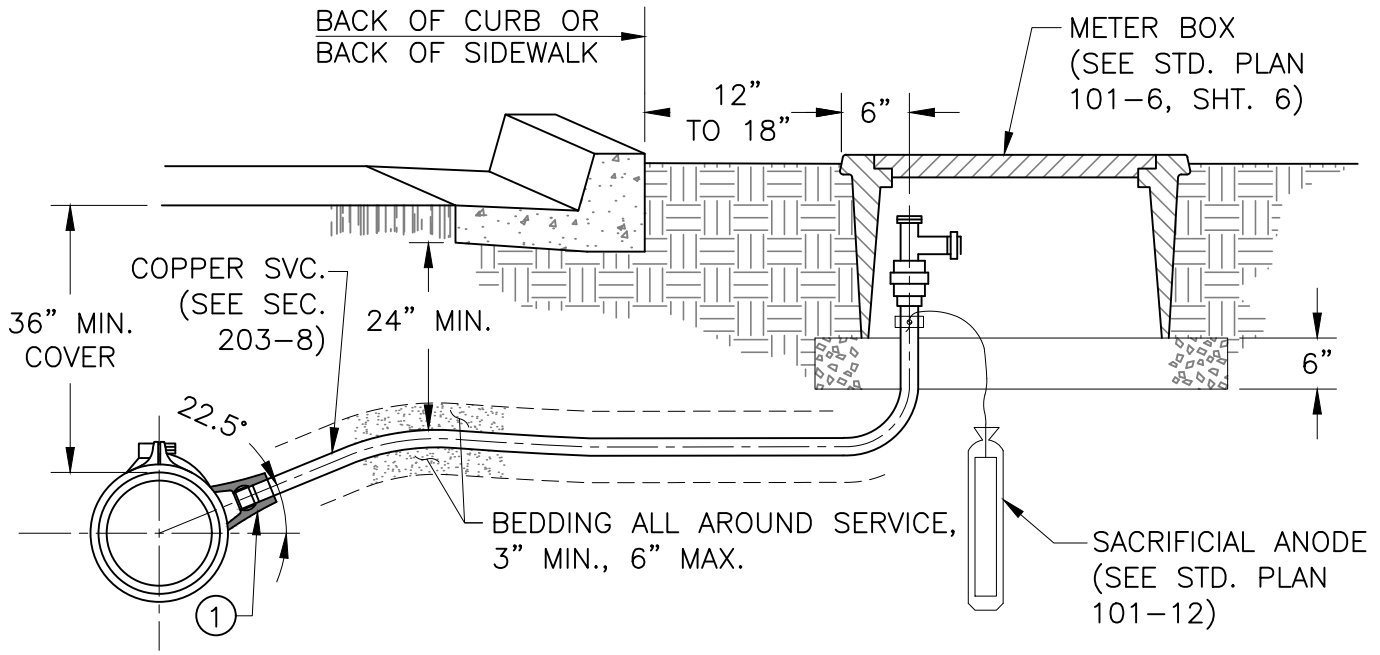
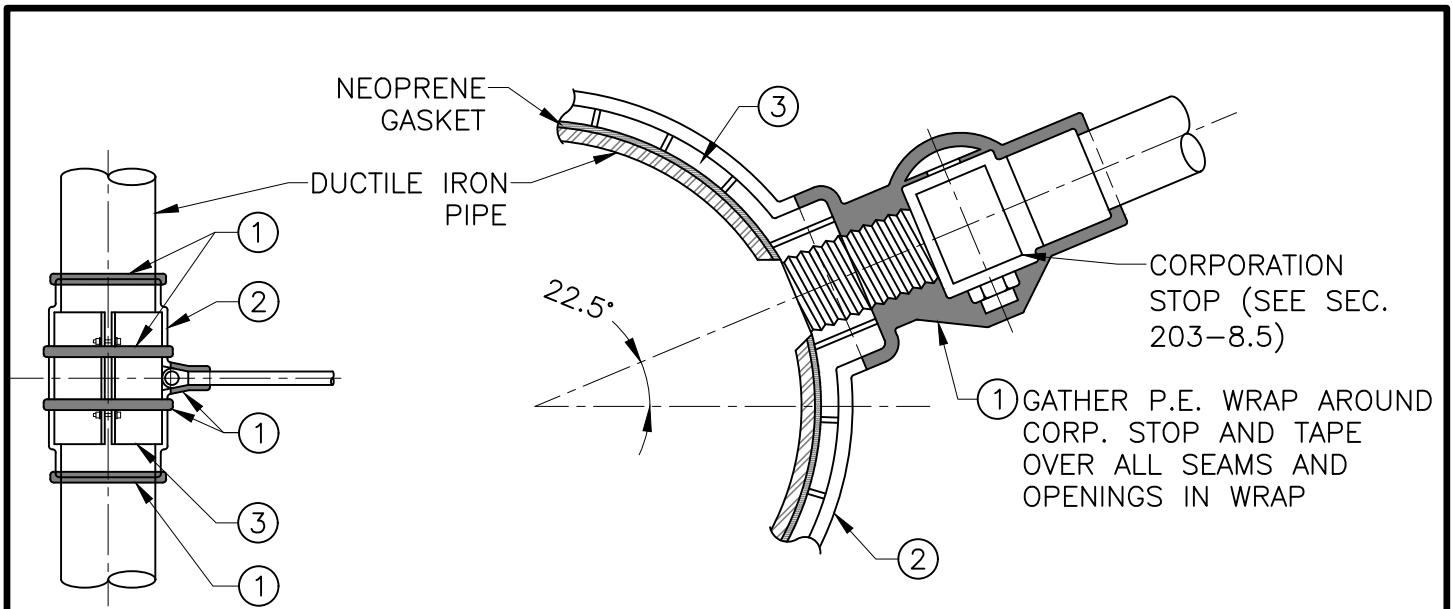
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**WATER SERVICE UP TO 2"
 SERVICE TAP OF PVC PIPE**

SHEET 1 OF 3

101-5



- ① POLYKEN #900 TAPE WRAP.
- ② TWO LAYERS OF POLYETHYLENE SLEEVE, 8-MIL MIN. THICKNESS.
- ③ STAINLESS STEEL SERVICE OUTLET CLAMP (ROMAC STYLE 306 OR EQUAL).
- ④ FOR RETROFIT, NEW SADDLE SHALL BE INSTALLED, SEE 305-10.2.

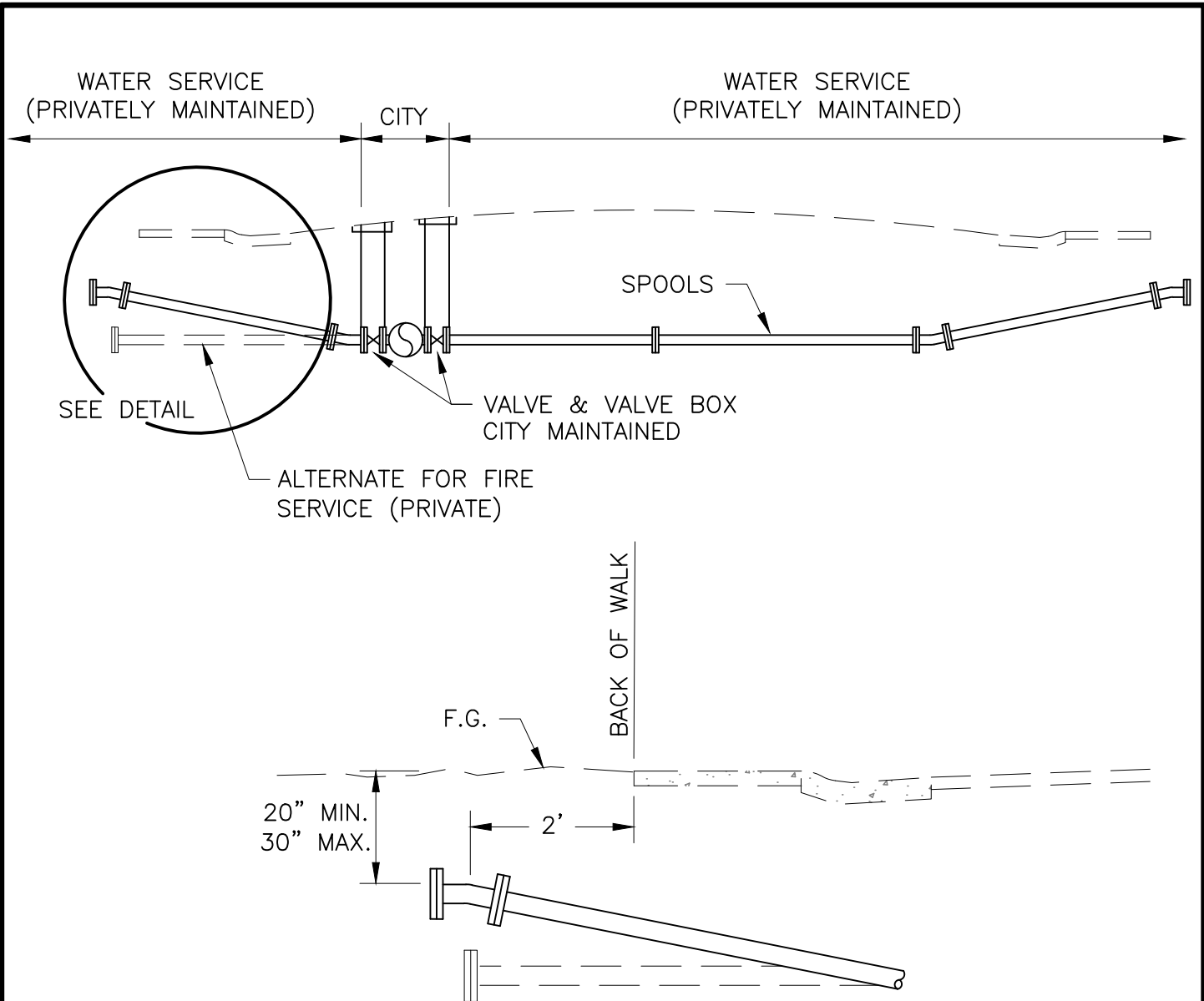
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**WATER SERVICE UP TO 2"
 SERVICE TAP OF DUCTILE IRON PIPE**

SHEET 2 OF 3 101-5




NOTES:

1. SEE SECTION 203-4.1 FOR PVC JOINT REQUIREMENTS.
2. IF DUCTILE IRON PIPE IS PERMITTED, FITTINGS SHALL BE FLANGED OR EQUIVALENT RESTRAINT AS DESIGNED BY ENGINEER.

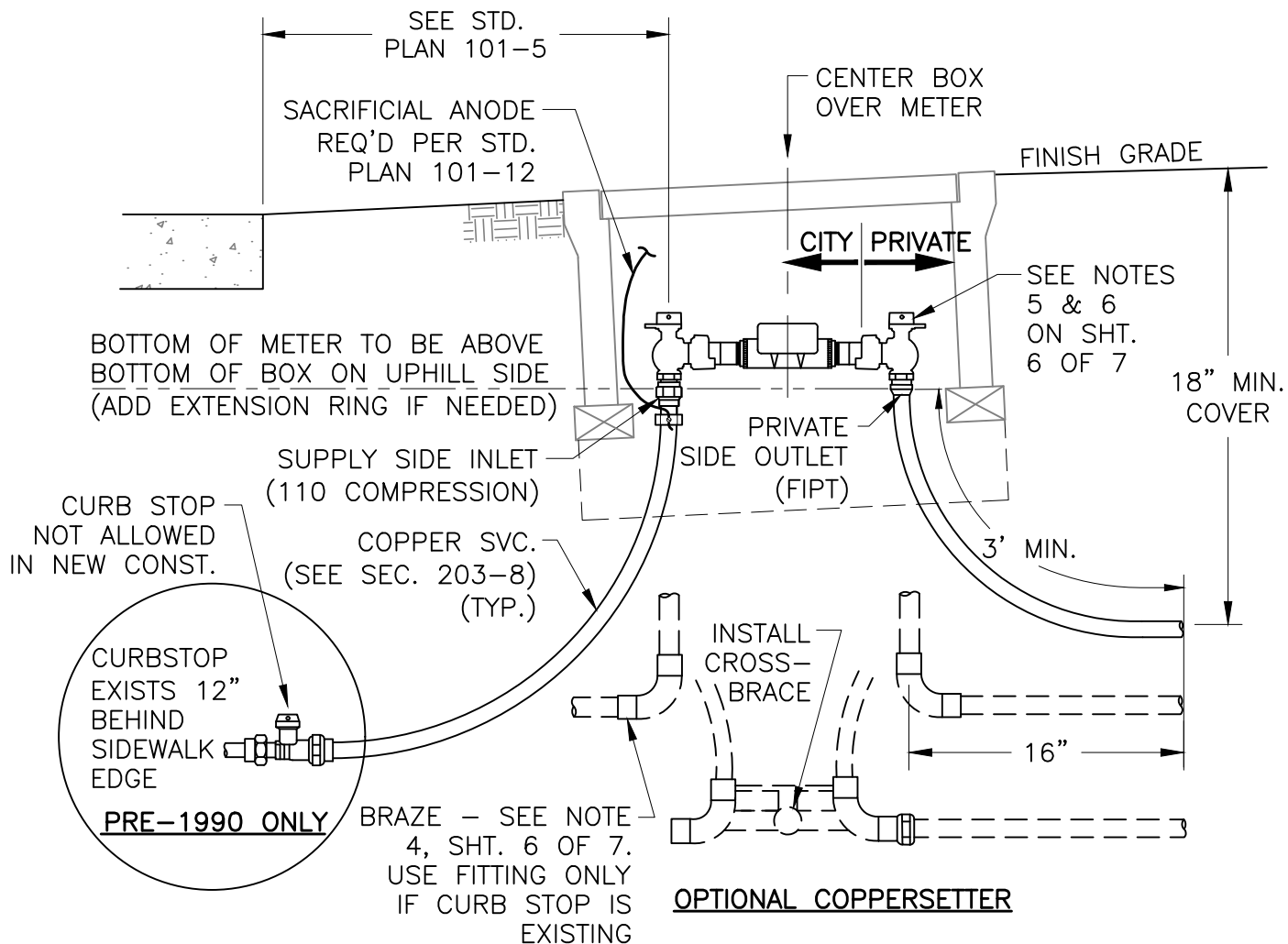
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**WATER SERVICE
4" & LARGER**

SHEET 3 OF 3 101-5



METER INSTALLATION

APPROVED METER: BADGER E-SERIES® ULTRASONIC
 FOR NOTES, SEE SHEET 6 OF 7

Rev.	Description	Date	Rev.	Description	Date

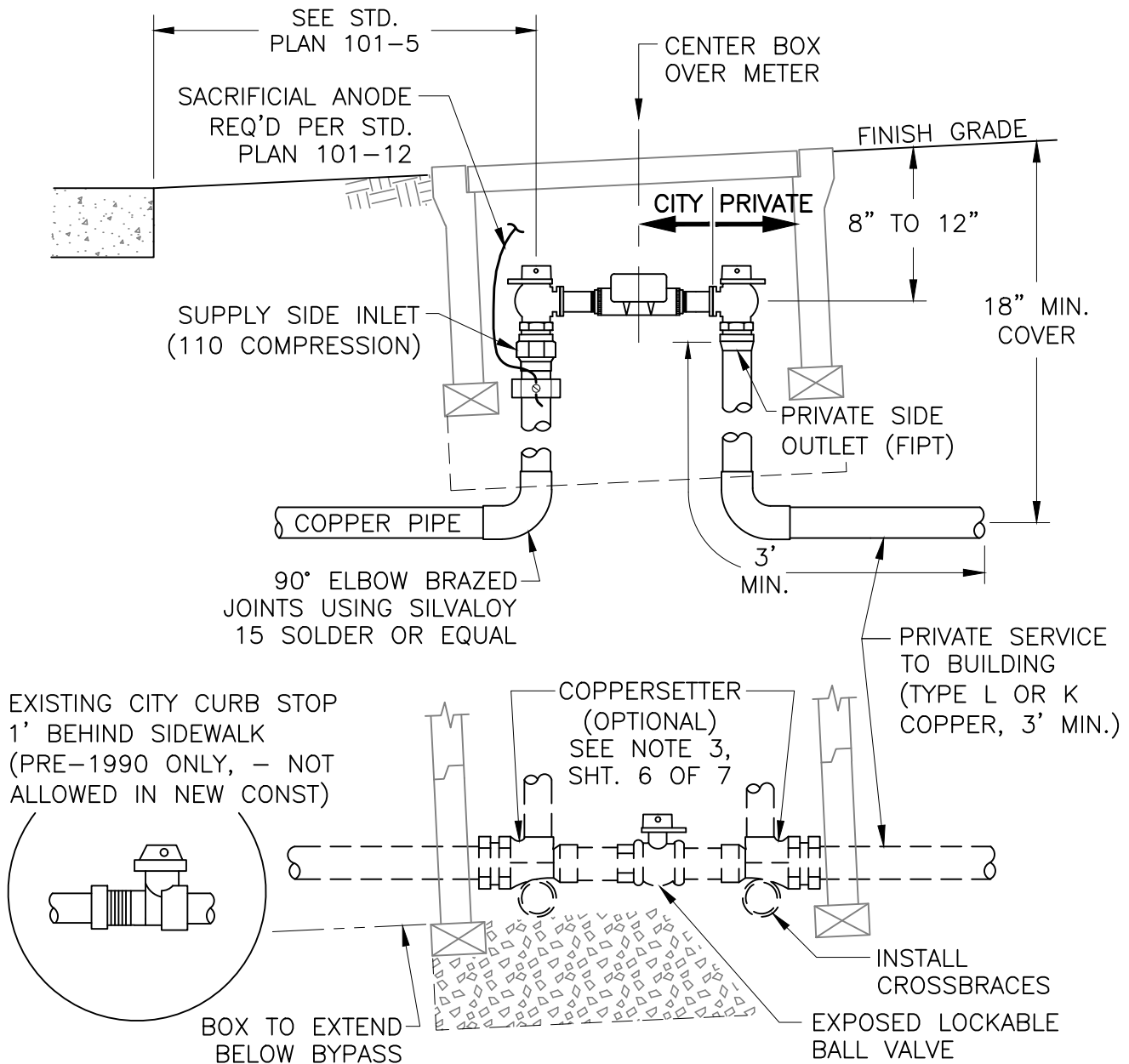
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**WATER METER DETAILS
 1" AND SMALLER**

SHEET 1 OF 7

101-6



METER INSTALLATION

APPROVED METER: BADGER E-SERIES® ULTRASONIC

FOR NOTES, SEE SHEET 6 OF 7

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

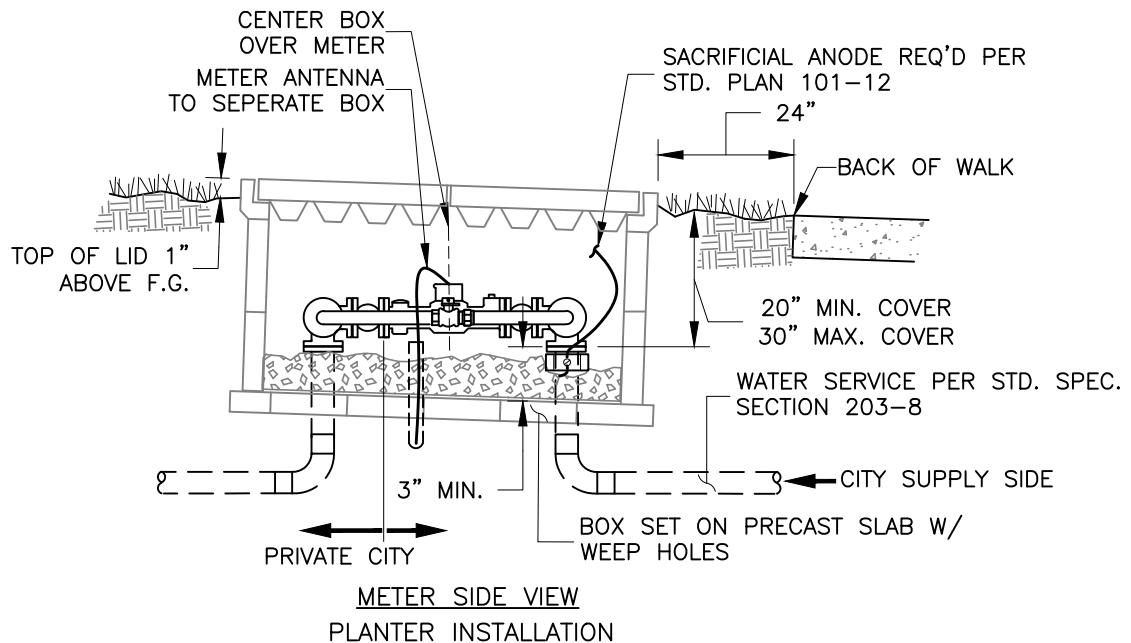
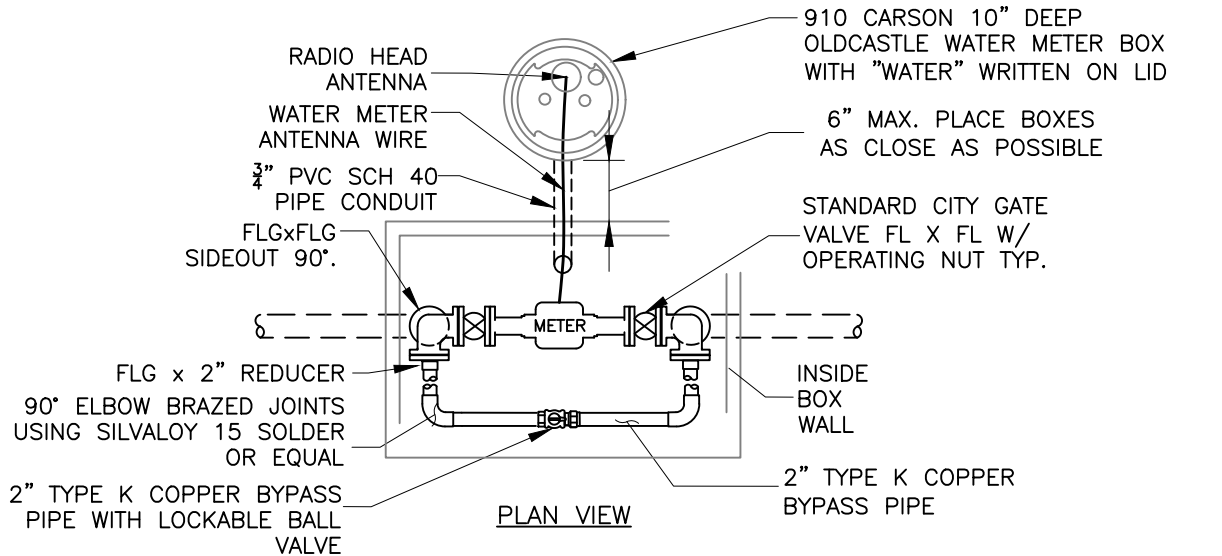
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WATER METER DETAILS
1½" AND 2"

SHEET 2 OF 7

101-6



NOTES:

- 1) APPROVED METER: BADGER E-SERIES ULTRASONIC.
- 2) SUITABLE BACKFLOW PREVENTION DEVICE SHALL BE PROVIDED IMMEDIATELY DOWNSTREAM OF THE METER.
- 3) FOR NOTES SEE SHEET 6 OF 7.

1	Added Meter Bypass.	12/18			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

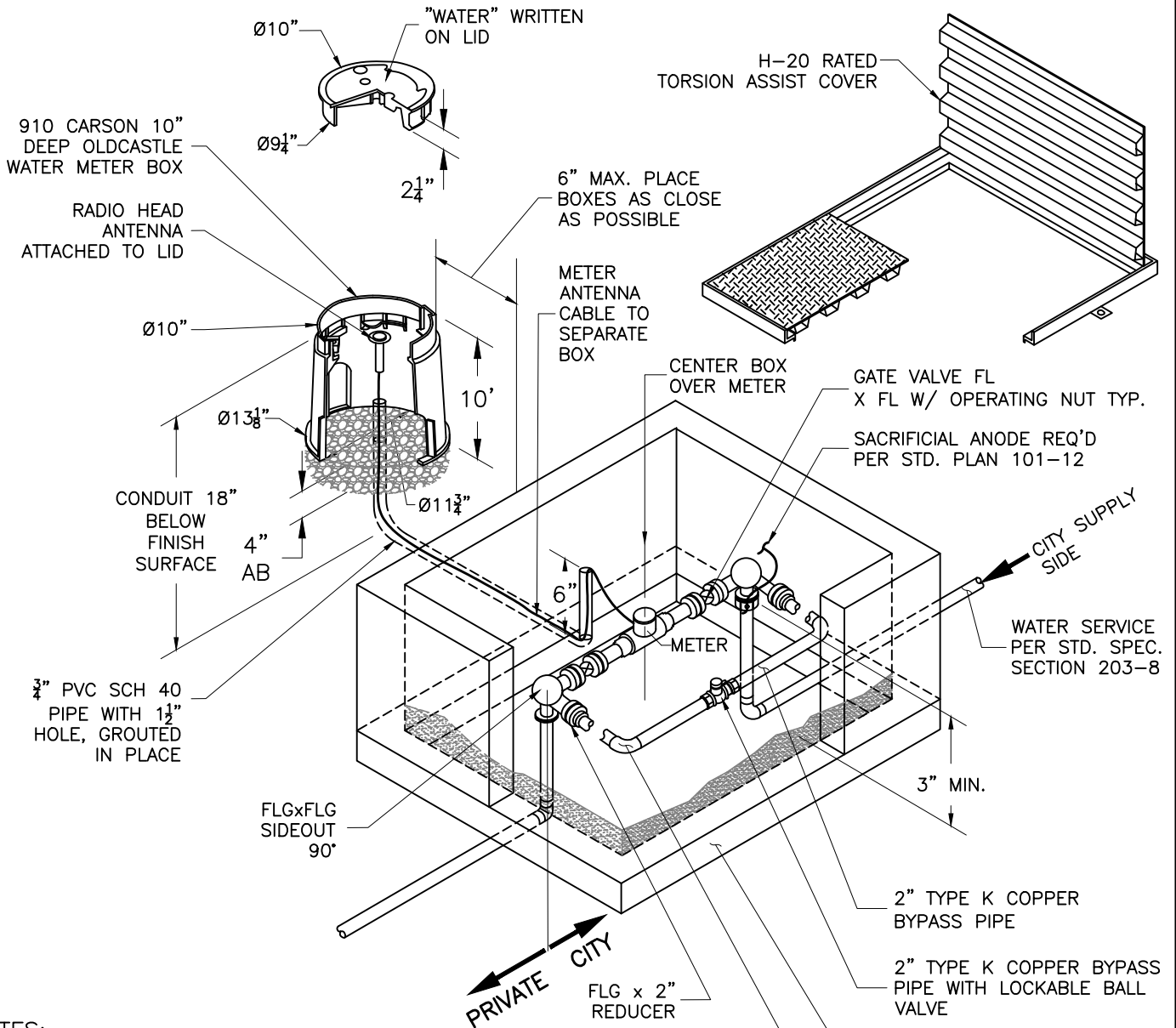
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WATER METER DETAIL 3" &
LARGER W/ BYPASS

SHEET 3 OF 7

101-6



NOTES:

- 1) APPROVED METER: BADGER E-SERIES ULTRASONIC.
- 2) SUITABLE BACKFLOW PREVENTION DEVICE SHALL BE PROVIDED IMMEDIATELY DOWNSTREAM OF THE METER.
- 3) BOX INTERIOR DIMENSIONS 36" X 50" X 24" DEEP R17P24, H2O LOADING VAULT
- 4) FOR NOTES SEE SHEET 6 OF 7.

1	New Detail	7/24			
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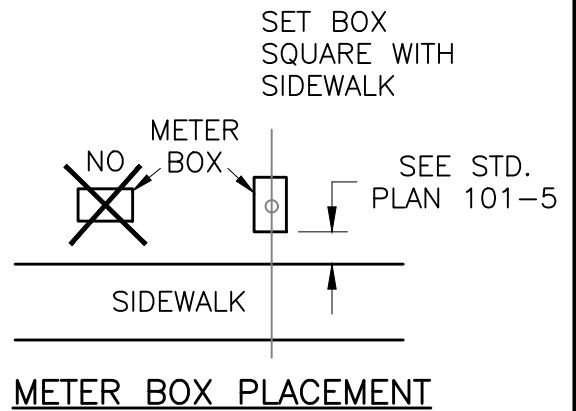
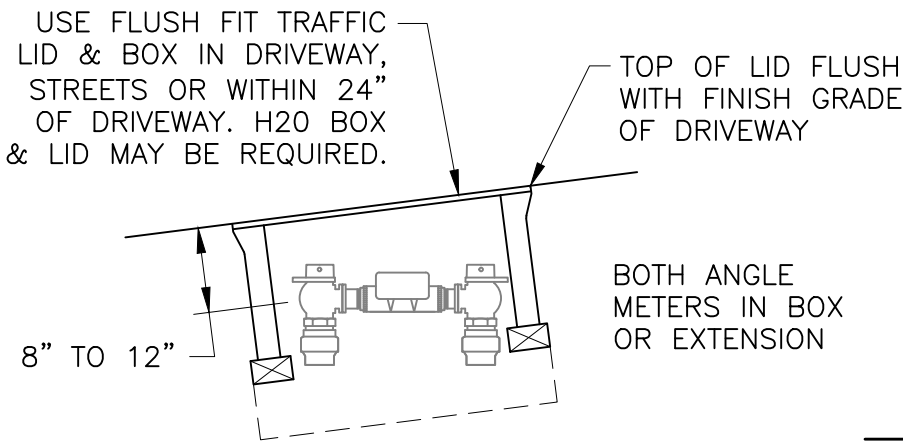
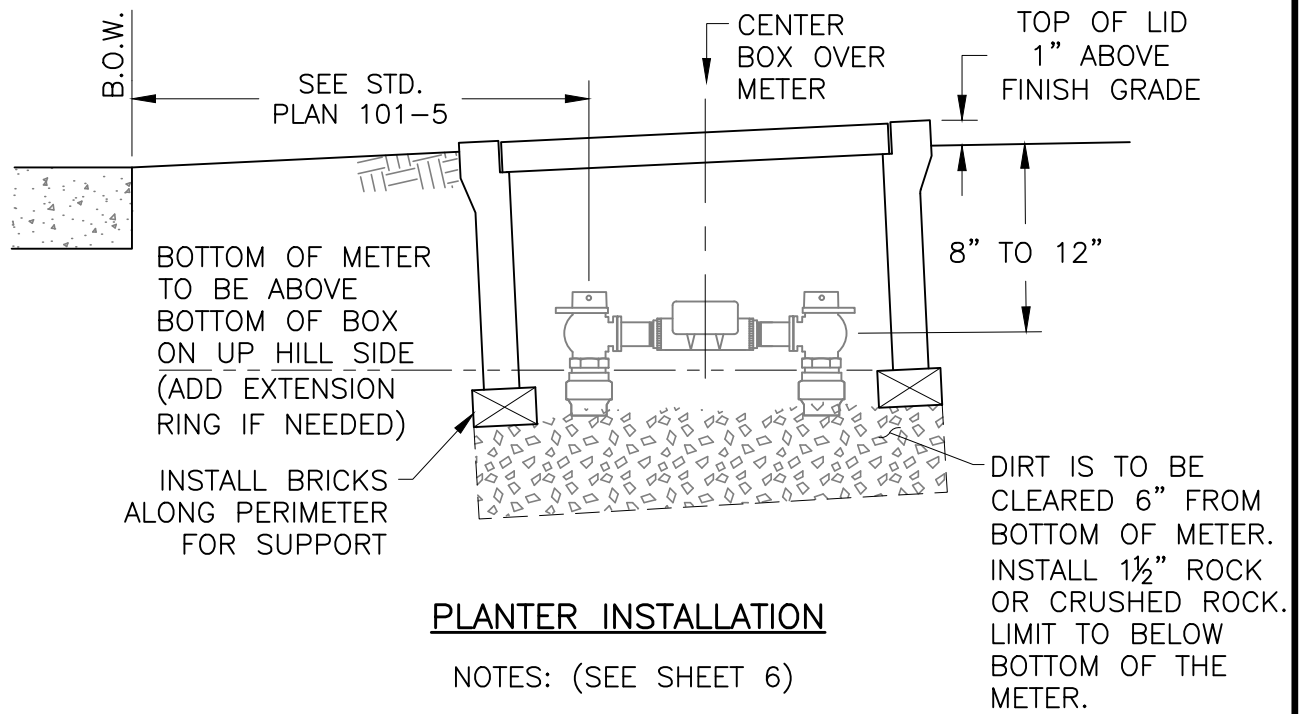
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**WATER METER DETAIL 3" &
 LARGER W/ BYPASS**

SHEET 4 OF 7

101-6



Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7, 20 24
Dianna R. Jensen
 DIANNA R. JENSEN
 P.E. No. C-56636

**WATER METER BOX DETAILS FOR
 DRIVEWAYS, & PLANTERS
 2" & SMALLER**

SHEET 5 OF 7

101-6

SERVICE SIZE	MANUFACTURER	SUPPLY SIDE MODEL#	COPPERSETTER
1"	Ford Mueller Jones McDonald	BA43-444W P-24258 E-1963W 74602B-22	As Approved
1½"	Ford Mueller Jones McDonald	BFA43-666W B24276 E-1975W 74602B-22	As Approved.
2"	Ford Mueller Jones McDonald	BFA43-777W B24276 E-1975W 74602B-22	As Approved.
4"+	Gate Valves required per Standard Specifications, designed by private Engineer, reviewed and approved by City Engineer.		Not applicable.

METER SERVICE CONSTRUCTION NOTES:

1. Water Division – Public Works Department, shall determine appropriate meter size based upon water meter sizing form submitted by applicant.
2. Suitable Backflow prevention shall be provided downstream of the meter when required by the City. Refer to the Rules and Regulations for Backflow Prevention published by PW.
3. Coppersetter with bypass may be required depending on service use. Provide meter box extensions to fully enclose bypass.
4. Silvaloy 15 solder or equal shall be used for all brazing.
5. All adapters and other fittings shall be of the same manufacturer as both angle meter stops at a particular service. Angle stops at front and back of meter shall be of same manufacturer.
6. Makes/models shown in the table above are approved for use by the City. Equivalent meter stops, angle stops and accessories by other manufacturers may be allowed subject to City Engineer review and approval.
7. Multiple meters serving one address shall be labeled per Spec. Sect. 203-10.9.

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CITY OF DAVIS STANDARD PLAN

APPROVED October 7, 2024

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**ANGLE METER STOPS &
CONSTRUCTION NOTES**

SHEET 6 OF 7

101-6

METER SIZE	BOX SIZE	LANDSCAPED AREAS	TRAFFIC AREAS
¾" 1"	13" x 24" inside dimensions	OLDCASTLE: BOX: FL30TBX NICOR: LID: B30 WITH WATER LOGO	OLDCASTLE: BOX: B1324, H20 Loading. LID: B30 WITH WATER LOGO
1½" 2"	17" x 30" inside dimensions	OLDCASTLE: BOX: FL36TBX NICOR: LID: B36 WITH WATER LOGO	OLDCASTLE: BOX: B1730, H20 Loading LID: B36 WITH WATER LOGO
3" 4"	36" x 60" x 24" deep inside dimensions	OLDCASTLE: BOX: R17P24, H20 Loading LID: R17-52HT, 2 Piece Steel Checker Hinged, Torsion Assist	
6"+	Designed by private Engineer, reviewed and approved by City Engineer. Box and lid must conform to AASHTO H20 criteria in traffic loading situations and have a diamond plate torsion spring assisted cover.		

METER BOX AND LID NOTES:

- All box knock-outs for lines shall be left in place for 1", 1½" and 2" meter sizes. Service lines shall be placed under lowest edge of boxes and any extensions.
- Stainless Steel pentagon-head bolts (5-sided) shall be provided with lids for ¾" through 2" boxes in landscaped areas. Normal bolts shall be provided with traffic boxes when applicable.
- For N30 concrete boxes, steel lid or traffic rated Fibrelite Lid is required for ¾" and 1" services in driveways, sidewalks, concrete or other paved hard surfaces.
- Makes and models by Oldcastle Precast, as shown in the table above are approved for use. Equivalent boxes/lids by other manufacturers will be allowed subject to City Engineer review and approval. Plastic or Fibrelite boxes/lids shall be green in color.
- Per standard specifications, allowable service line sizes are 1", 1½", 2" or 4" and larger. Meter sizes may be smaller than service lines depending on flow demands.
- Lids for meters 2" and smaller shall be Nicor Read-Right Lids.
- Lids shall have one 1¾" diameter hole for touch read device installation, 3" & larger meters only (T.R. device installation by City).
- Traffic boxes for 1½" and larger services installed in A.C. pavement, or other hard surfaces shall have 12" deep by 12" wide concrete collar constructed around the exterior of the box per Standard Plan 201-2 (indicated as TOP BLOCK on Sheet 1 of 201-2).

1.	Added note 8	3/21	3.	Updated box size and lid types	4/24
2.	Removed note 9	4/24			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

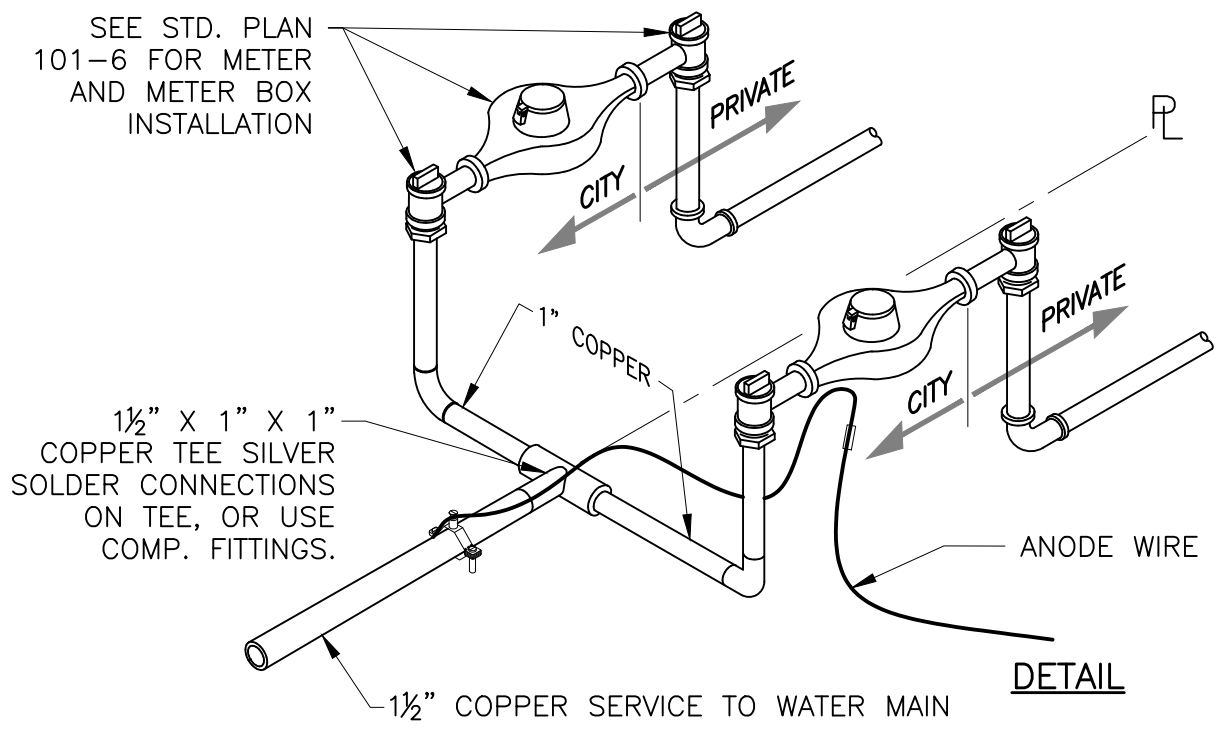
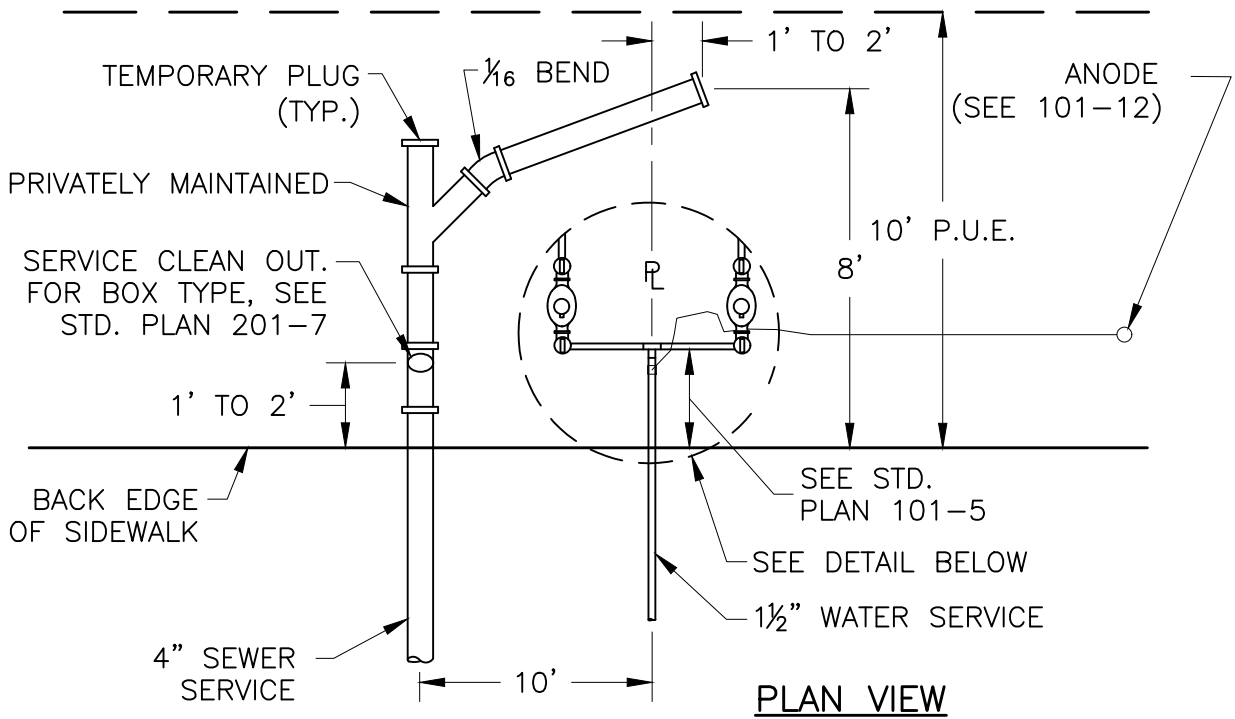
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WATER METER - BOXES AND LIDS

SHEET 7 OF 7

101-6



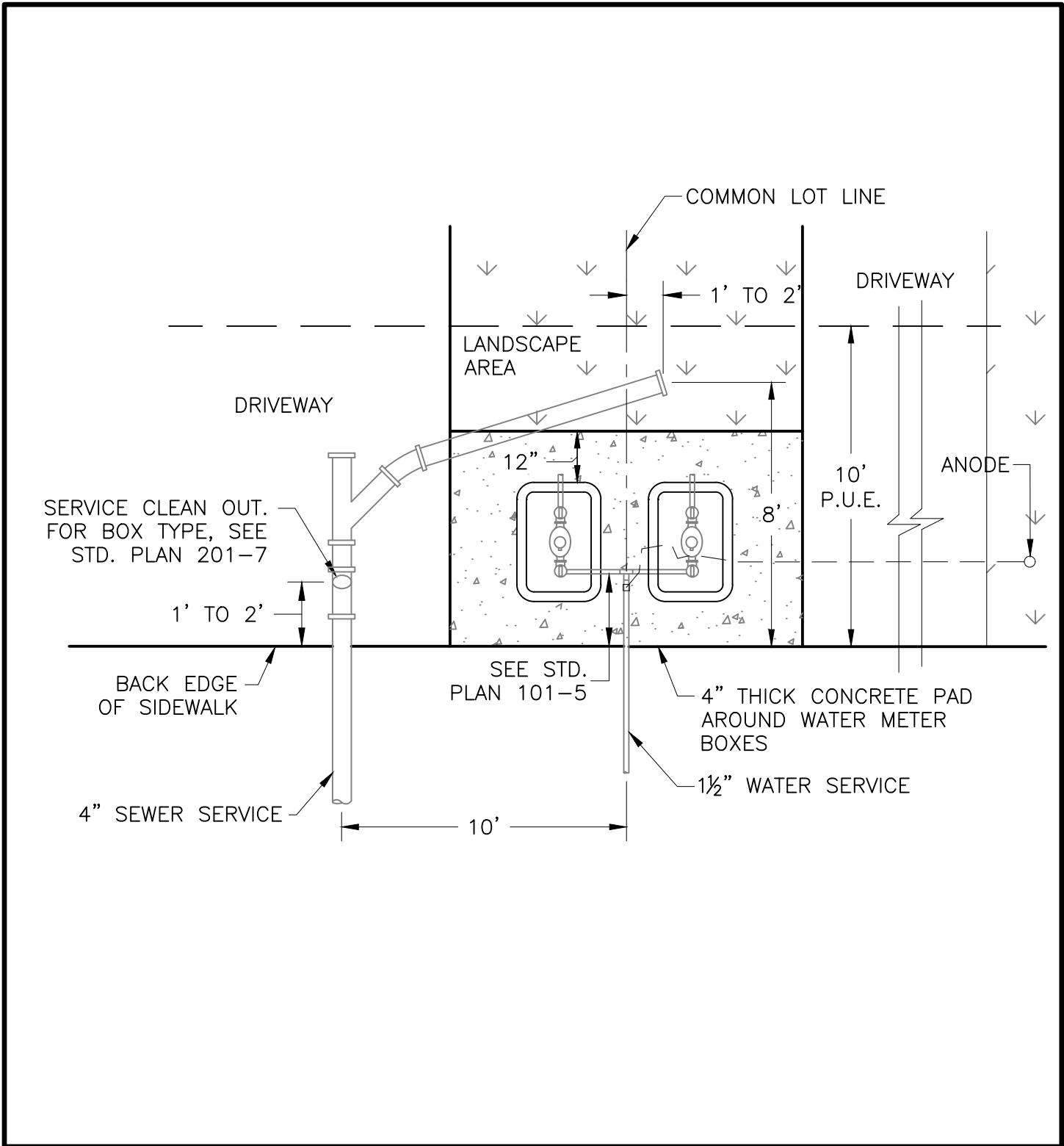
1	Added anode	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7, 2024
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 P.E. No. C-56636

DUPLEX UTILITY SERVICE

SHEET 1 OF 2 101-7



Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

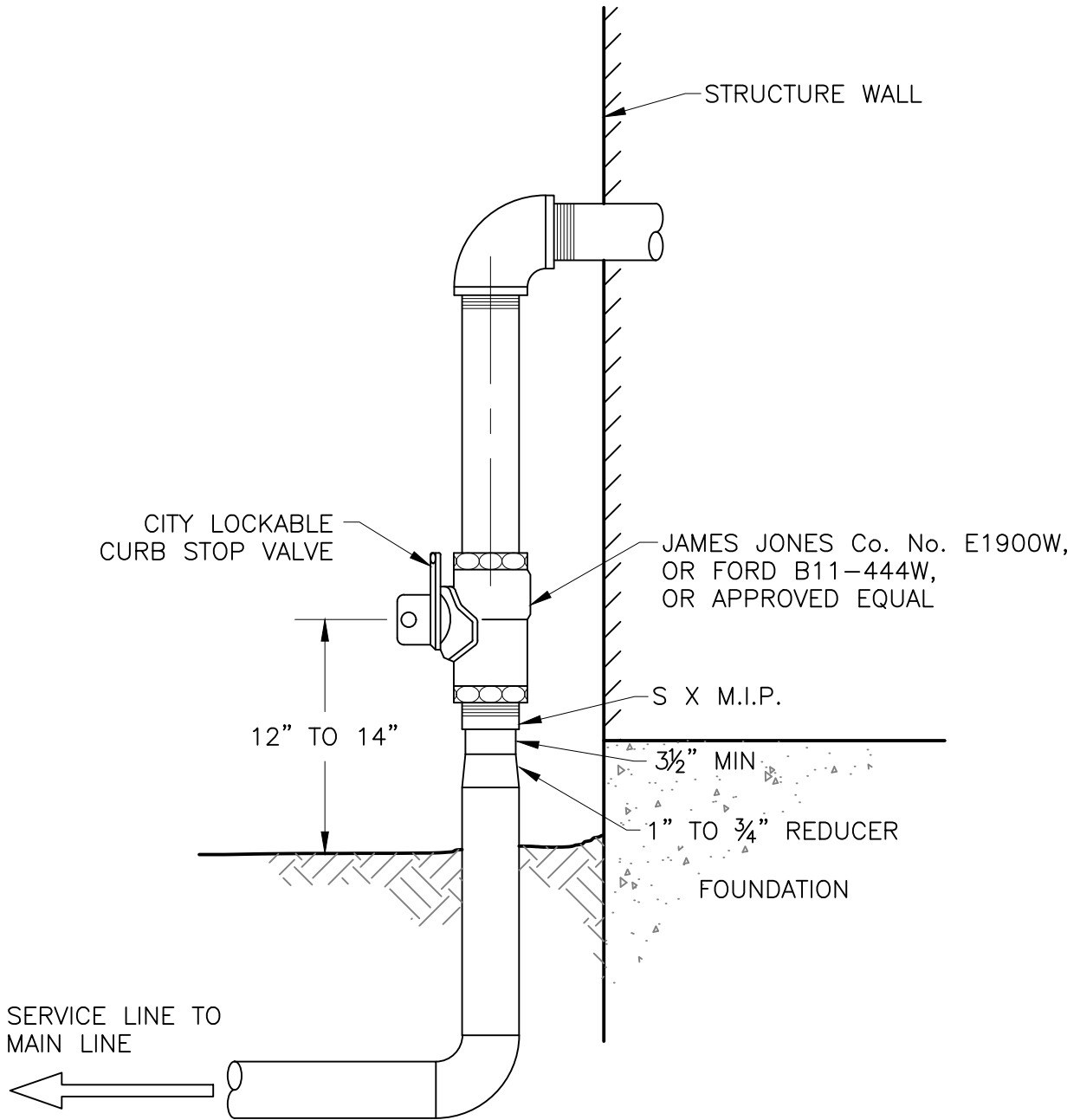
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DUPLEX UTILITY SERVICE LOCATIONS

SHEET 2 OF 2

101-7



Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

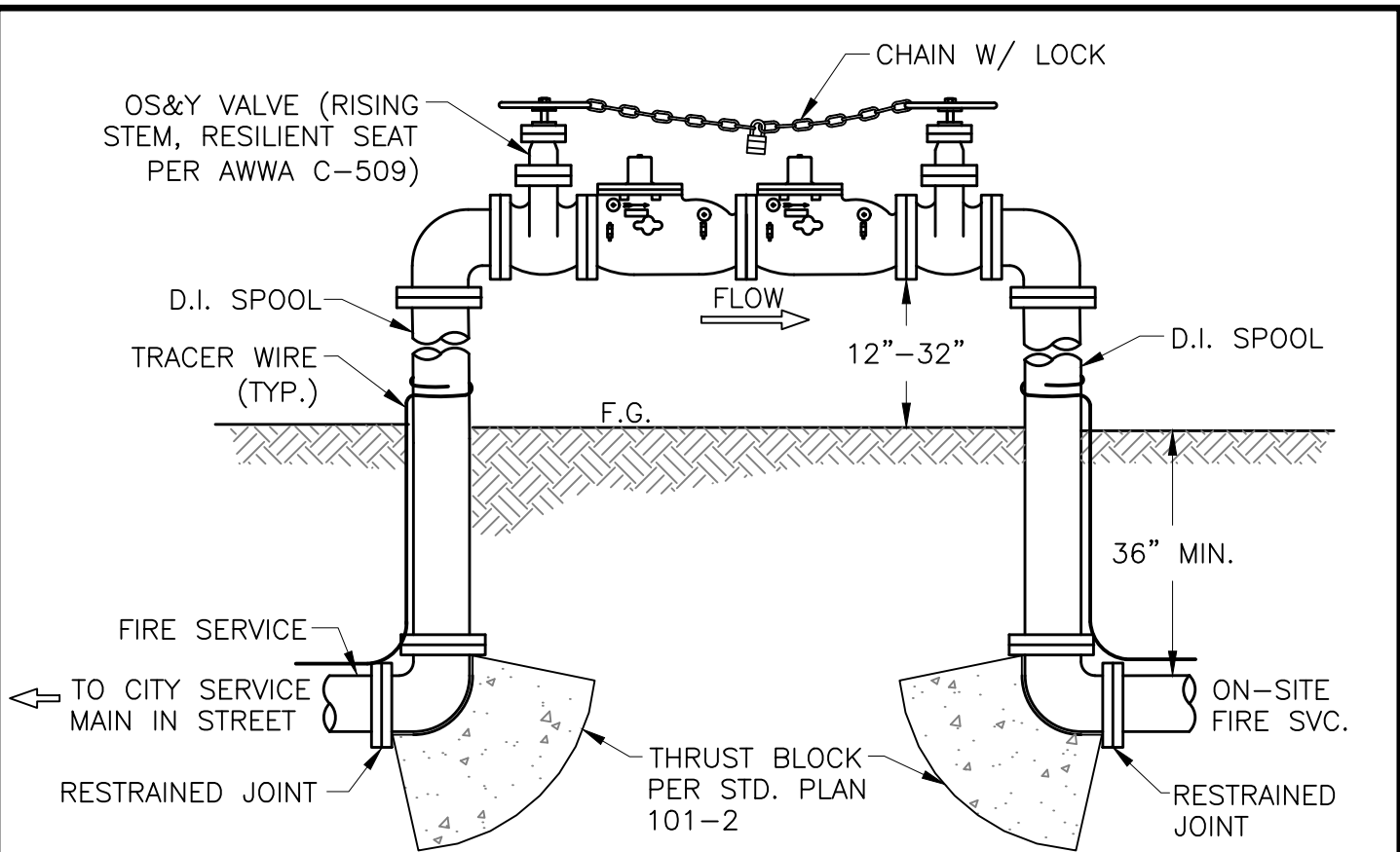
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**CONDOMINIUM WATER SERVICE
 SHUT OFF**

SHEET 1 OF 1

101-8




NOTES:

1. ALL SPOOLS SHALL BE FLANGED. FLANGES SHALL BE THREADED OR WELDED.
2. THRUST BLOCKS REQUIRED – SEE CITY STD. PLAN 101-2.
3. VERTICAL SUPPORT MAY BE REQUIRED (BY MANUFACTURER) ON LARGER SIZE VALVES.
4. BRASS OR BRONZE PLUGS REQUIRED FOR PETCOCK OPENINGS.
5. APPROVED CHAIN PROVIDED BY CONTRACTOR, LOCK PROVIDED BY CITY.
6. NO PRIVATE OUTLET, TAP, TEE OR OTHER CONNECTION WILL BE ALLOWED BETWEEN THE SERVICE CONNECTION AND THE BACKFLOW PREVENTION ASSEMBLY.
7. DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE FEBCO MODEL LF856 DCDA, AMES 3000SS DCDA, OR APPROVED EQUAL ASSEMBLY AND SHALL INCLUDE INSTALLING TWO OS&Y GATE VALVES.
8. ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY'S CROSS CONNECTION REQUIREMENTS.
9. DETECTOR METER SHALL READ "CUBIC FEET".
10. DCDA TO BE INSTALLED WITHIN 2' FROM CURB/SIDEWALK.

1	Added note 10	4/23			
Rev.	Description	Date	Rev.	Description	Date

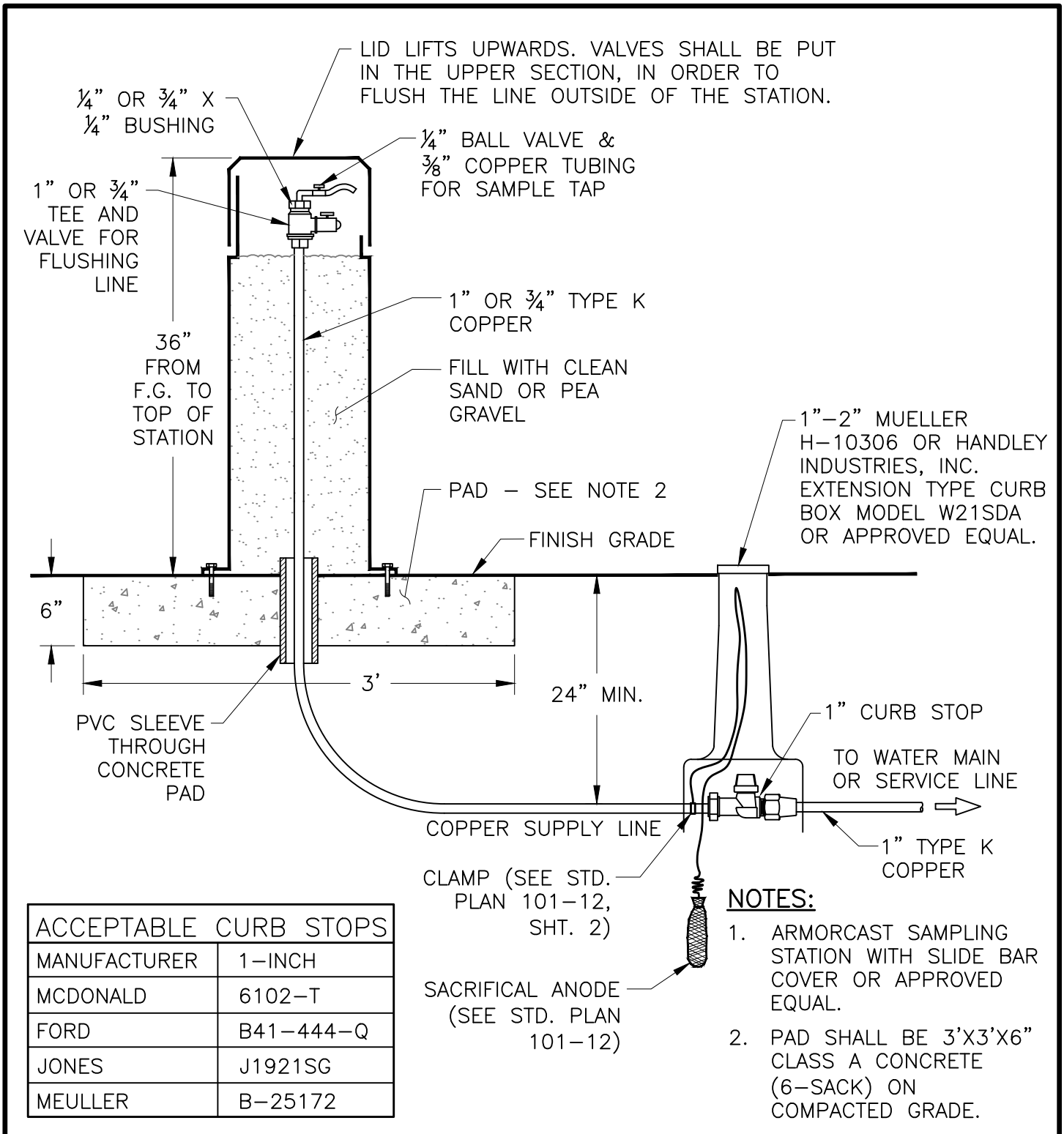
CITY OF DAVIS STANDARD PLAN

APPROVED October 7, 2024

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 P.E. No. C-56636

**DOUBLE CHECK DETECTOR ASSEMBLY
 FOR 4" & ABOVE PRIVATE WET LINE SYSTEM**

SHEET 1 OF 1

101-9



ACCEPTABLE CURB STOPS	
MANUFACTURER	1-INCH
MCDONALD	6102-T
FORD	B41-444-Q
JONES	J1921SG
MEULLER	B-25172

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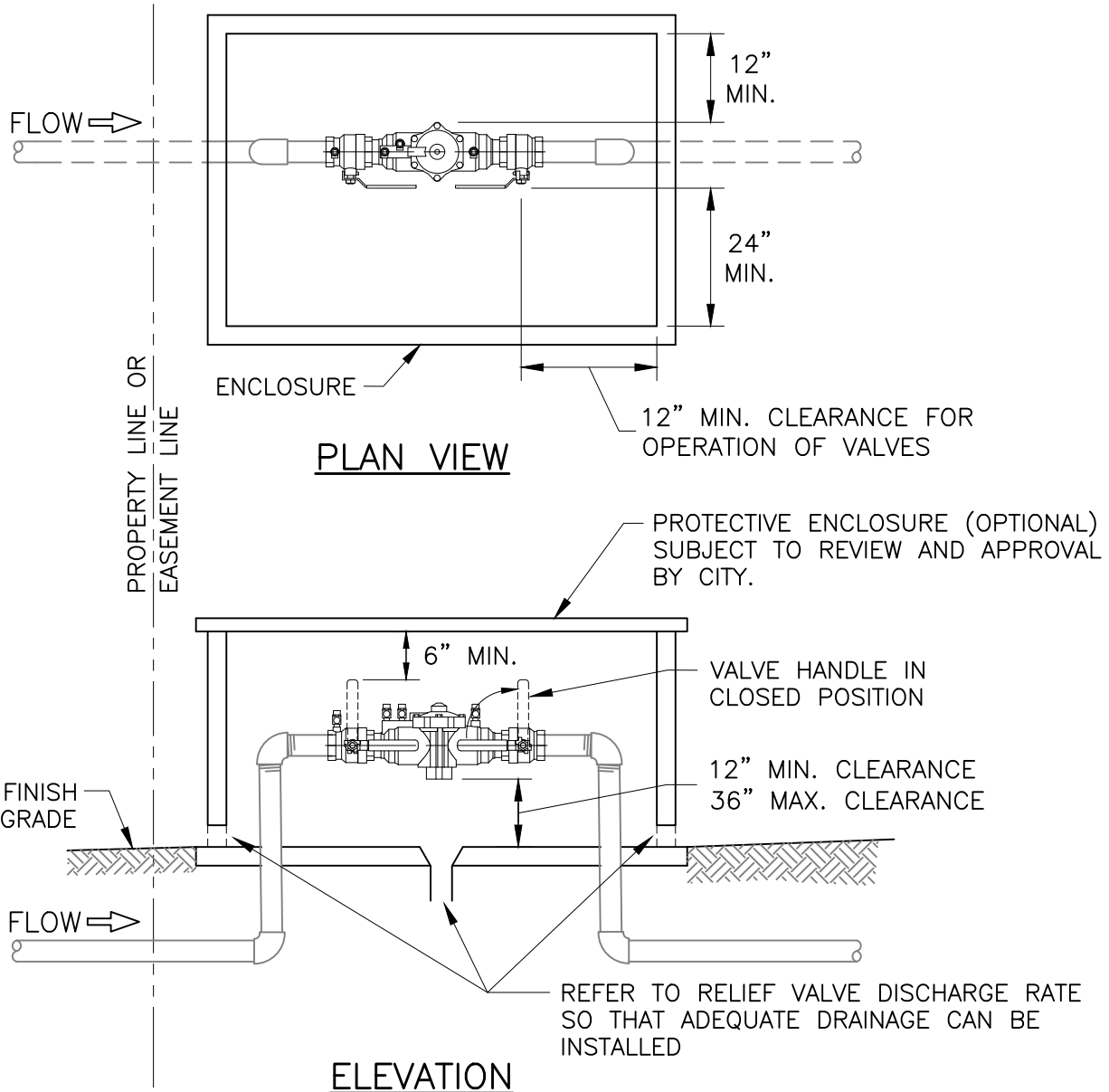
WATER SAMPLING STATION

SHEET 1 OF 1

101-10

NOTES:

1. INSTALLER TO OBTAIN PERMIT PRIOR TO PERFORMING WORK. BACKFLOW ASSEMBLY MUST MEET APPROVAL OF PUBLIC WORKS DIRECTOR OR DESIGNATED REPRESENTATIVE.
2. BRASS OR BRONZE PLUGS SHALL BE INSTALLED IN TEST COCKS.
3. PIPE MATERIAL UP TO 2" SHALL BE TYPE "K" COPPER.
4. 2" AND SMALLER JOINTS CAN BE BRAZED USING STANDARD FITTINGS.
5. BACKFLOW PREVENTER SHALL BE INSTALLED HOUSE SIDE OF METER.
6. BACKFLOW PREVENTER SHALL BE SAME SIZE AS TAP AND SERVICE LINE.
7. INSTALL DOMESTIC/IRRIGATION BACKFLOWS WITHIN 1'-2' FROM WATER METER.



1	Added notes 5, 6, 7	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

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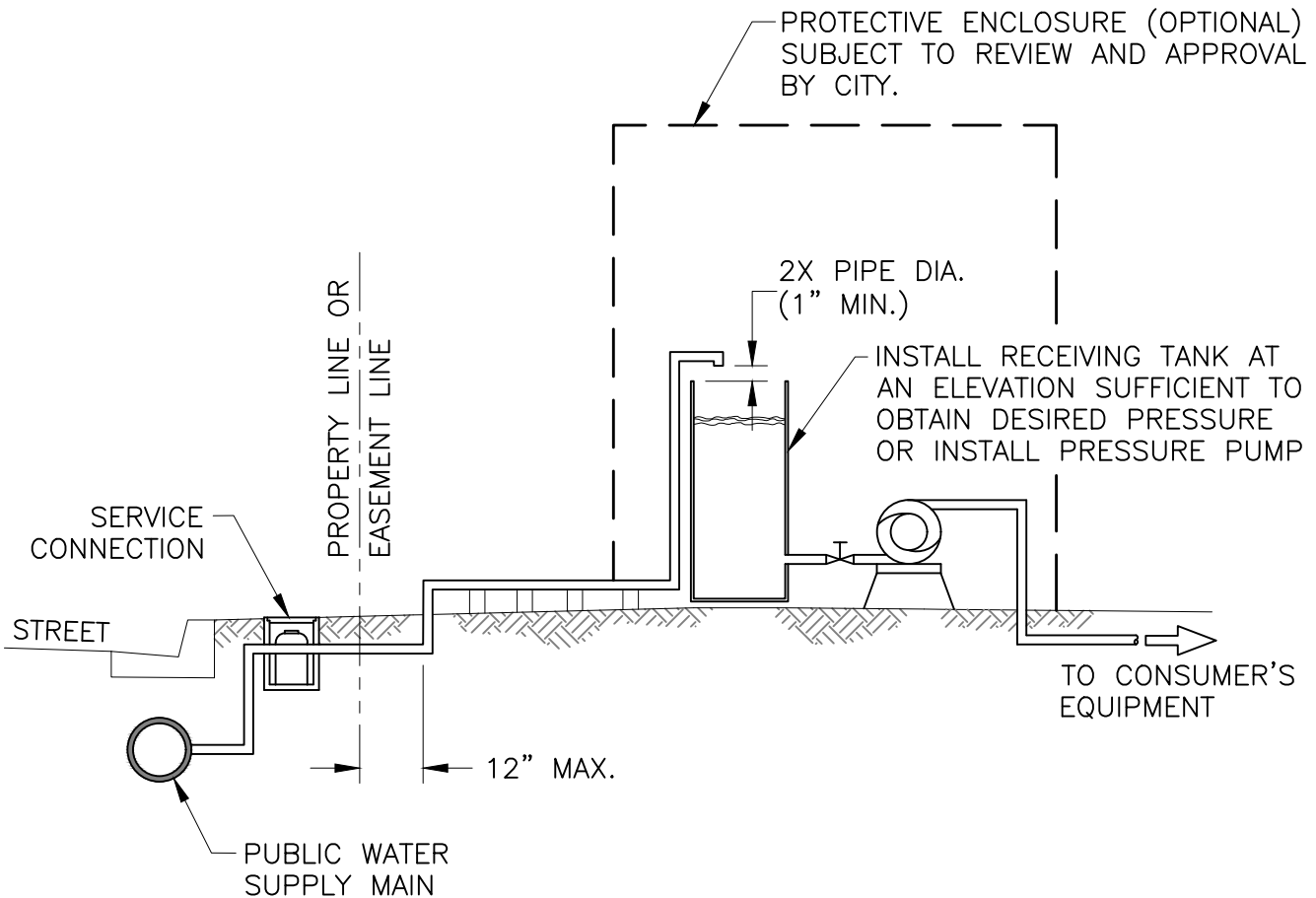
**BACKFLOW PREVENTION -
 ASSEMBLY LAYOUT**

SHEET 1 OF 2

101-11

NOTES:

1. INSTALLER TO OBTAIN PERMIT PRIOR TO PERFORMING WORK.
2. WATER SUPPLY LINE: NO OUTLET, TAP, TEE OR CONNECTION BETWEEN SERVICE CONNECTION AND BACKFLOW PREVENTION ASSEMBLY.
3. WATER METER MAY BE LOCATED ABOVE OR BELOW GRADE AS APPROVED BY WATER DIVISION OF PUBLIC WORKS.
4. SUPPORTS RECOMMENDED FOR ASSEMBLIES 2½" AND LARGER.
5. WYE STRAINER RECOMMENDED IN FRONT OF BACKFLOW PREVENTER.



Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

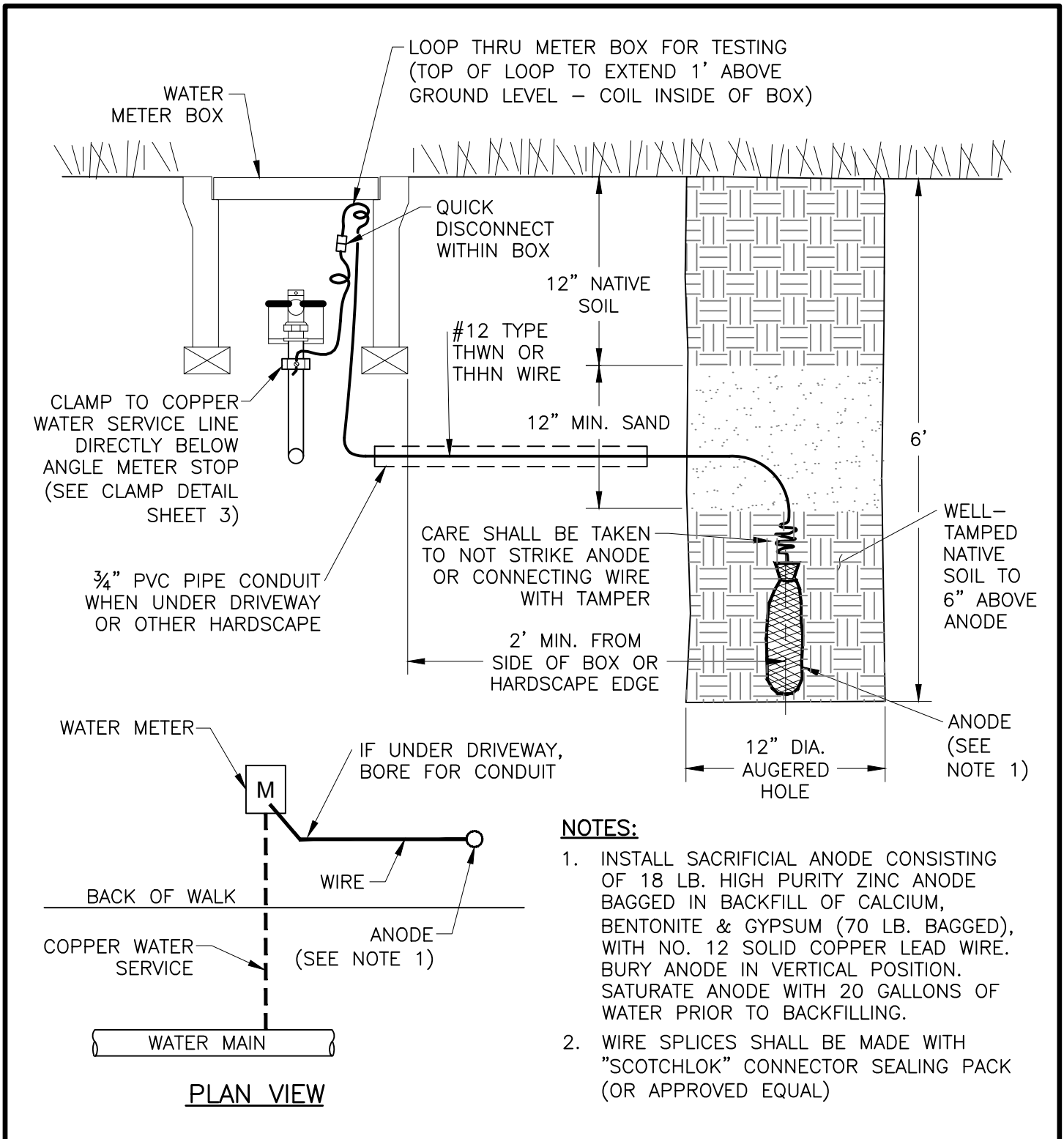
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**BACKFLOW PREVENTION -
 AIR-GAP SEPARATION**

SHEET 2 OF 2

101-11



1	Updated meter type	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

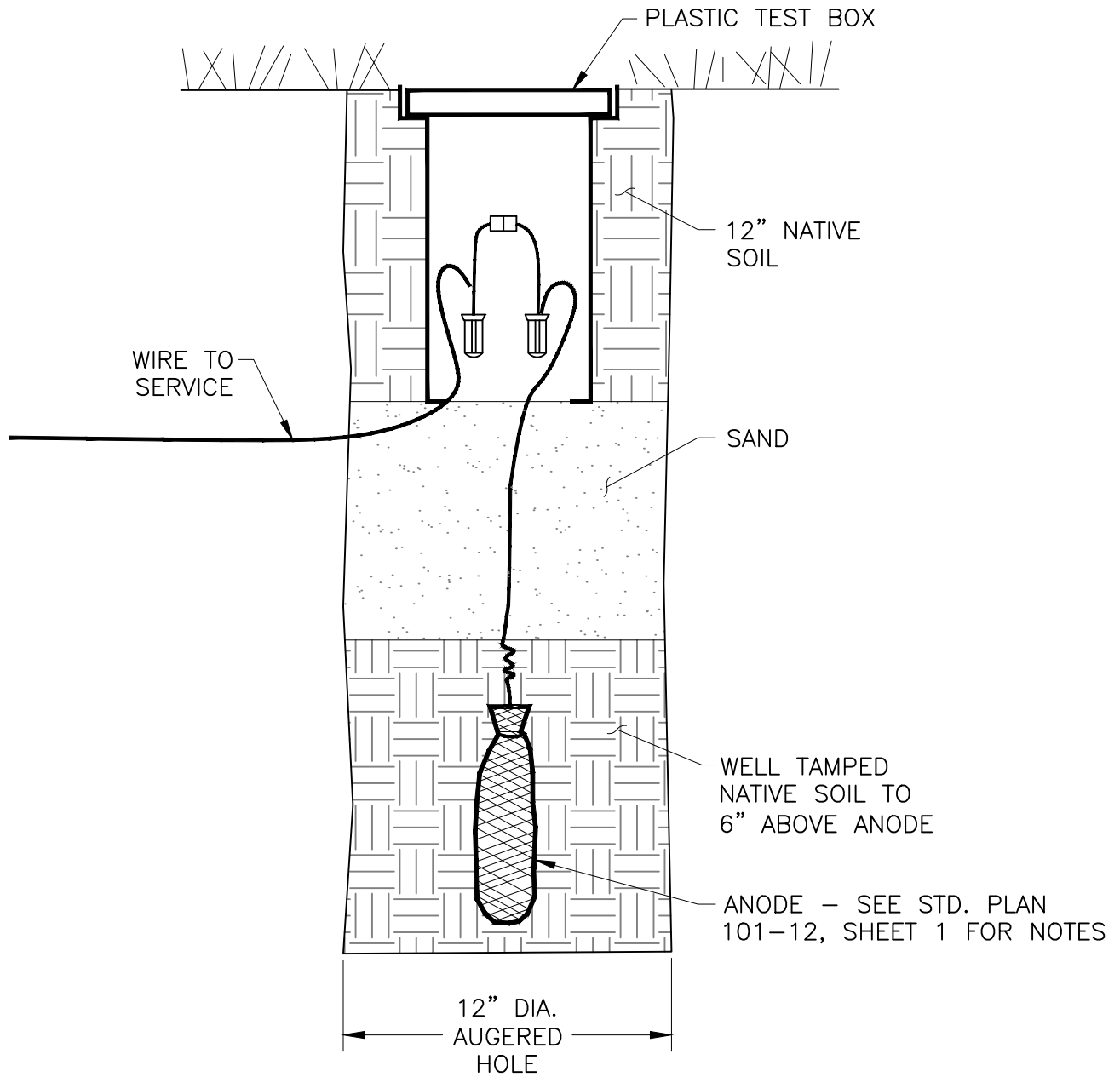
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2" AND SMALLER SACRIFICIAL ANODE INSTALLATION

SHEET 1 OF 3

101-12



NOTE:

1. INSTALL TEST BOX ONLY WHERE SERVICE HAS NO METER.
2. SPLICE WIRES WITH "SCOTCHLOK" CONNECTOR SEALING PACK (OR APPROVED EQUAL).

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CITY OF DAVIS STANDARD PLAN

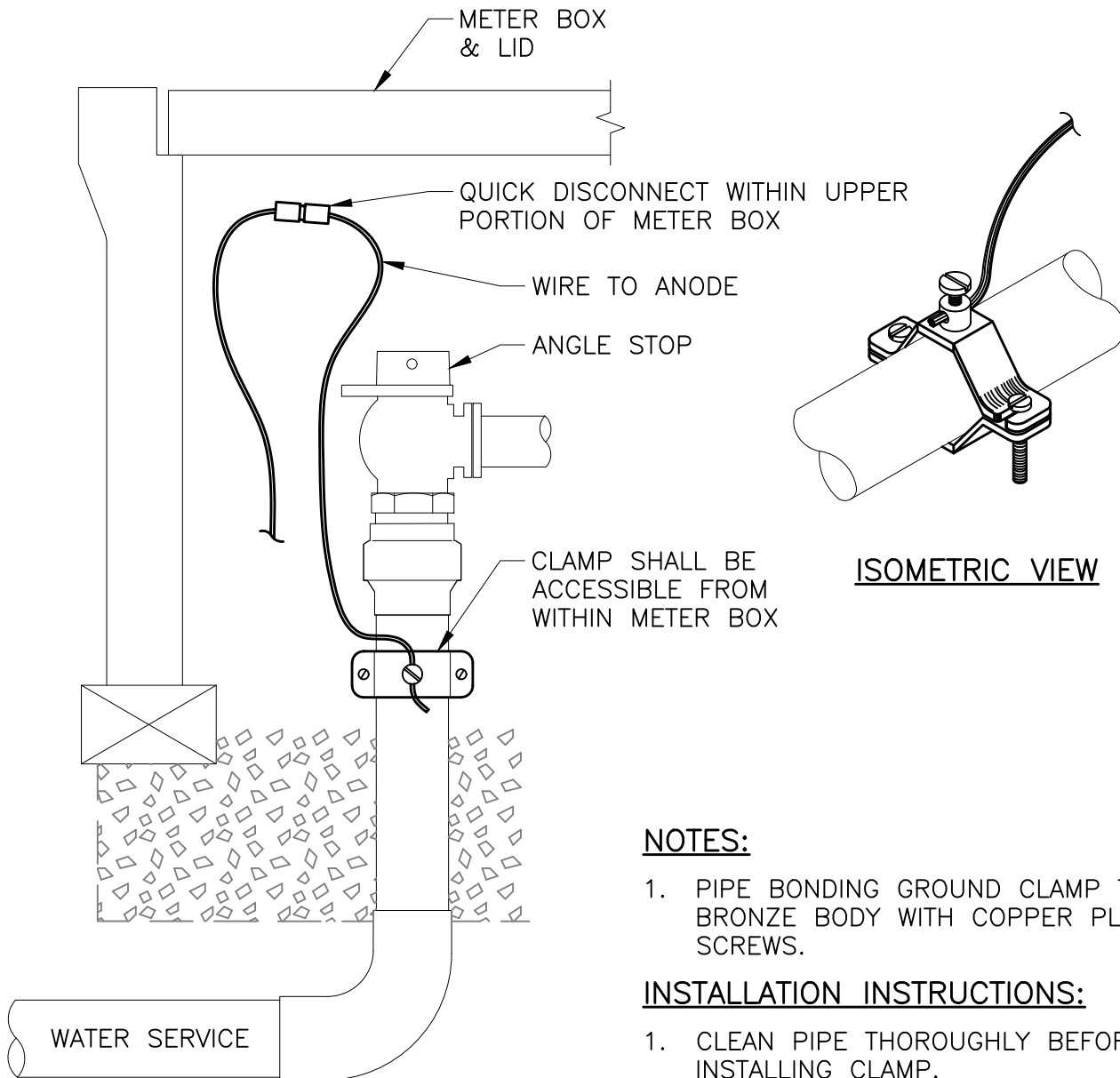
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**SACRIFICIAL ANODE
 INSTALLATION WITH TEST BOX**

SHEET 2 OF 3

101-12



NOTES:

1. PIPE BONDING GROUND CLAMP TO BE BRONZE BODY WITH COPPER PLATED SCREWS.

INSTALLATION INSTRUCTIONS:

1. CLEAN PIPE THOROUGHLY BEFORE INSTALLING CLAMP.
2. INSTALL CLAMP ON PIPE, AND ATTACH ANODE WIRE TO CLAMP.
3. WRAP ENTIRE CONNECTION ASSEMBLY WITH VINYL ELECTRICAL TAPE, THEN WITH ELECTRICAL PUTTY TAPE.
4. COAT WITH MASTIC.

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CITY OF DAVIS STANDARD PLAN

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ANODE WIRE CLAMP

SHEET 3 OF 3

101-12

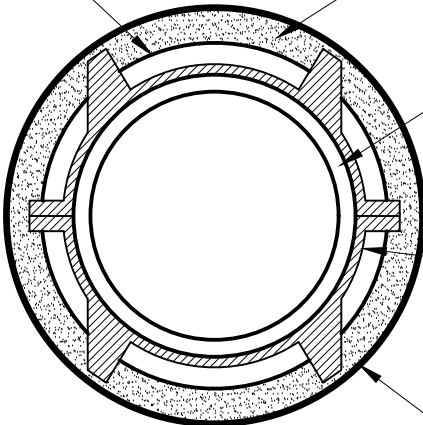
C-900 PVC
PIPE BELL

FILL ANNULAR SPACE
WITH SAND SLURRY

C-900 PVC
WATER MAIN

POLYETHYLENE
CASING SPACER

10' DUCTILE IRON OR
FUSION WELDED HDPE
SLEEVE CASING. CASING
DIAMETER SHALL BE 1.5
TIMES LARGER THAN
WATER MAIN.



EXISTING WET UTILITY

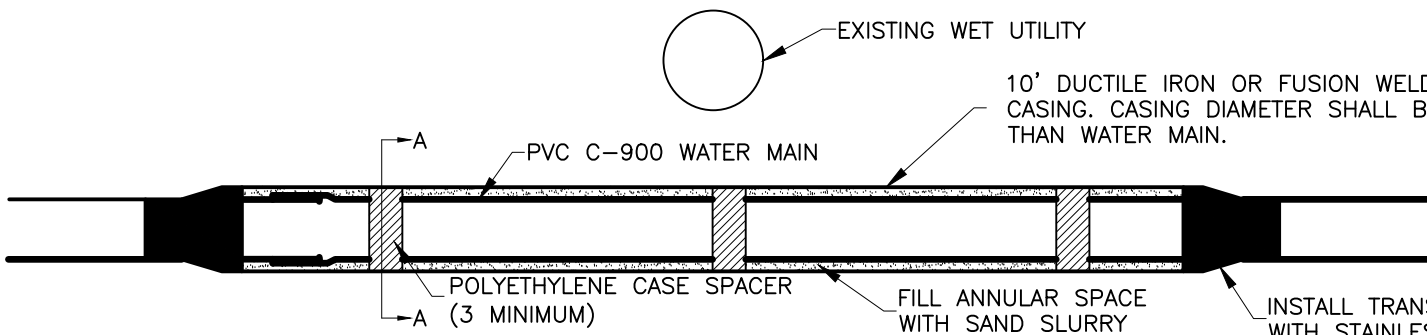
10' DUCTILE IRON OR FUSION WELDED HDPE SLEEVE
CASING. CASING DIAMETER SHALL BE 1.5 TIMES LARGER
THAN WATER MAIN.

PVC C-900 WATER MAIN

POLYETHYLENE CASE SPACER
(3 MINIMUM)

FILL ANNULAR SPACE
WITH SAND SLURRY

INSTALL TRANSITION END SEALS
WITH STAINLESS STEEL BANDS



CITY OF DAVIS STANDARD PLAN

**WATER MAIN SLEEVE
CROSSING UNDER WET
UTILITY**

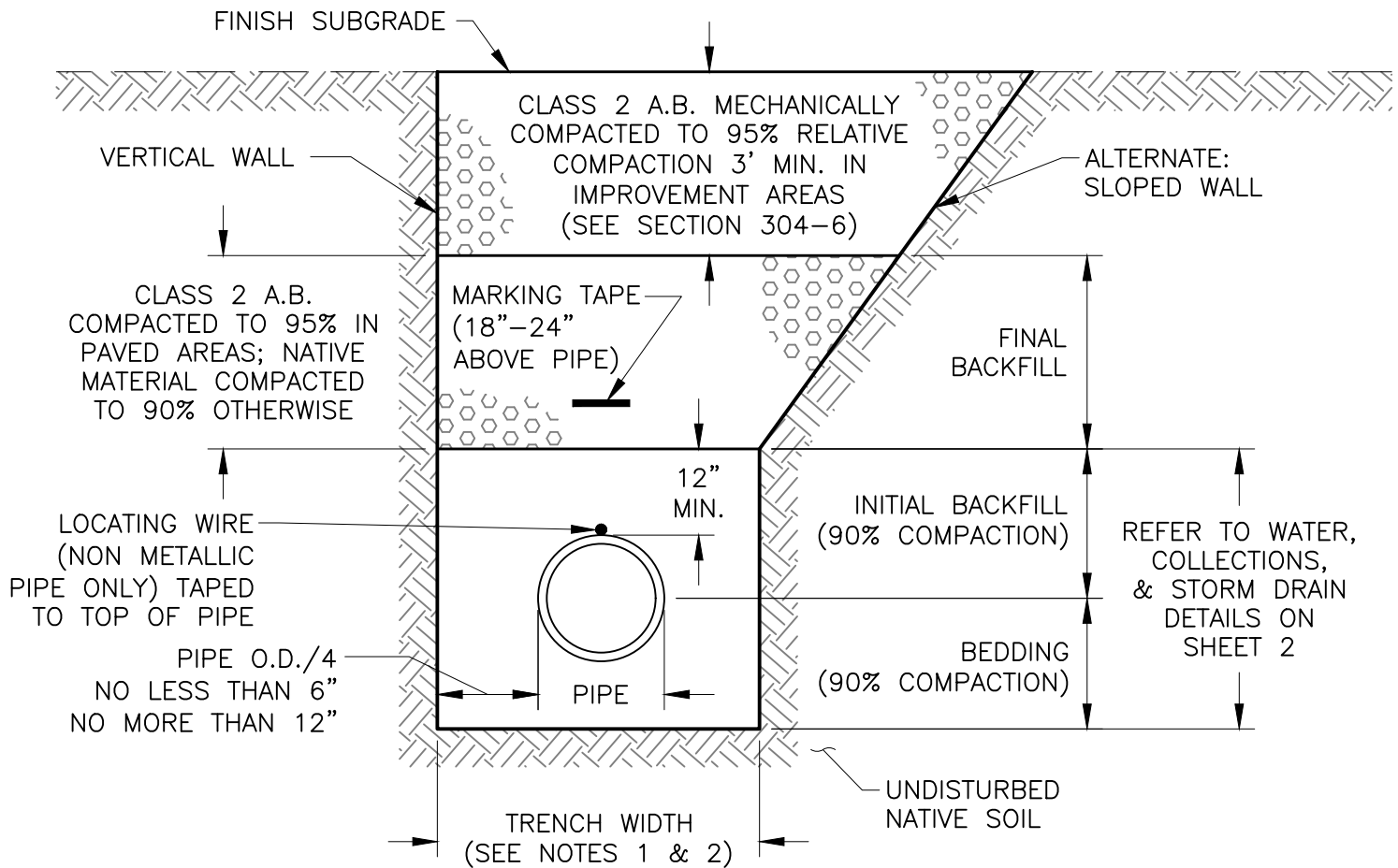
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SHEET 1 OF 1

101-13

Rev.	Description	Date



NOTES:

1. TRENCH WIDTH SHALL BE AS NARROW AS PRACTICABLE FROM BOTTOM OF TRENCH TO ONE FOOT ABOVE TOP OF PIPE. ABOVE THIS LEVEL, TRENCH WALLS MAY BE SLOPED IF REQUIRED BY FIELD CONDITIONS.
2. FOR ANY PORTION OF TRENCH THAT EXCEEDS SIX FEET IN WIDTH, BACKFILL SHALL BE CONSIDERED EARTH FILL CONSTRUCTION AND SHALL CONFORM TO SEC. 300-3, "EARTH FILL CONSTRUCTION". SEE DETAIL FOR BACKFILL AND COMPACTION AT UTILITY STRUCTURES (SHEET 8).
3. SEE SECTION 304 THRU 307 AND 309 OF THE SPECIFICATIONS FOR ADDITIONAL INSTALLATION REQUIREMENTS FOR THE TYPE OF UNDERGROUND FACILITY.

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CITY OF DAVIS STANDARD PLAN

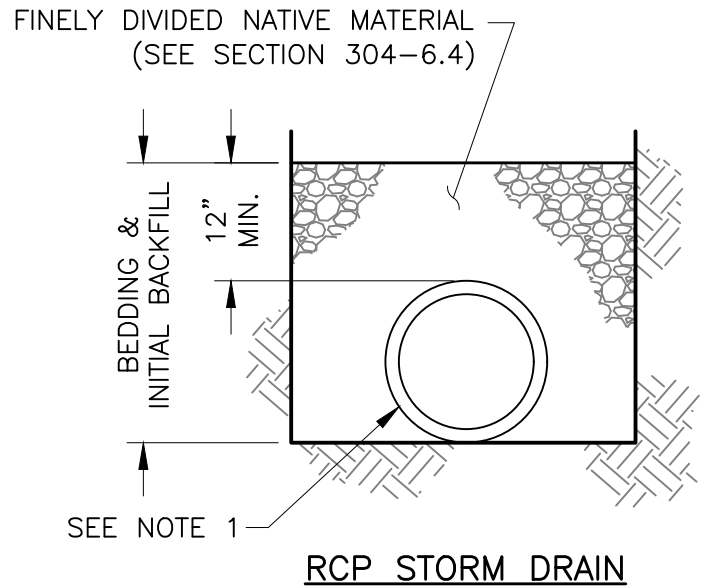
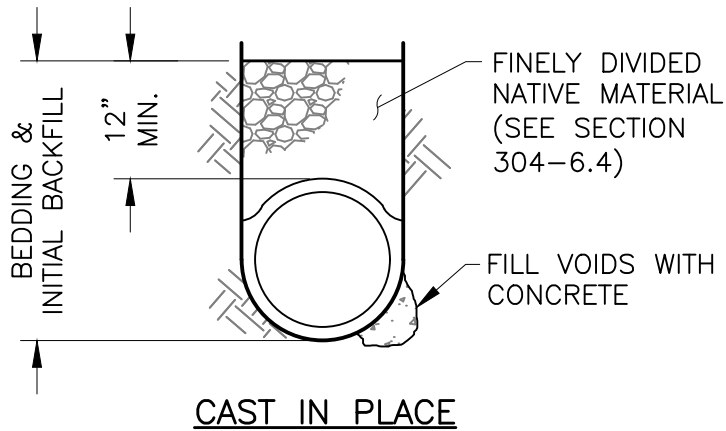
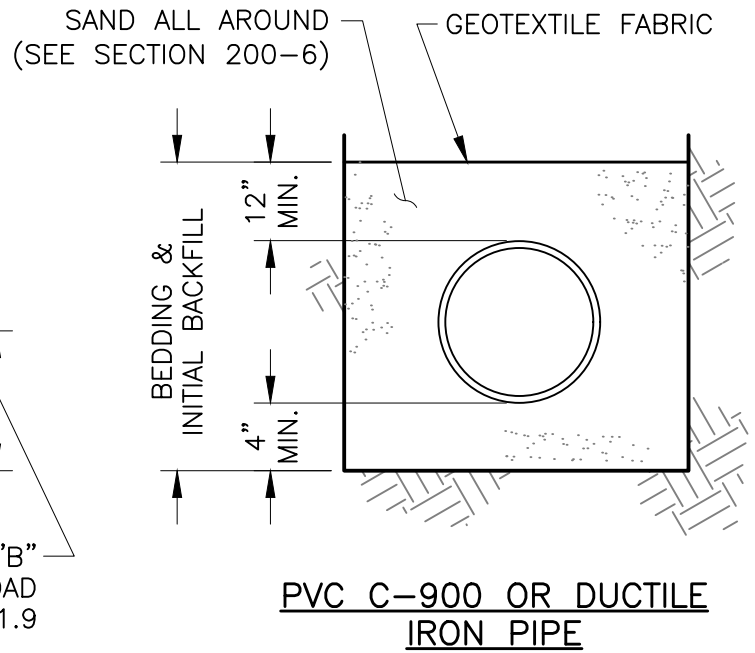
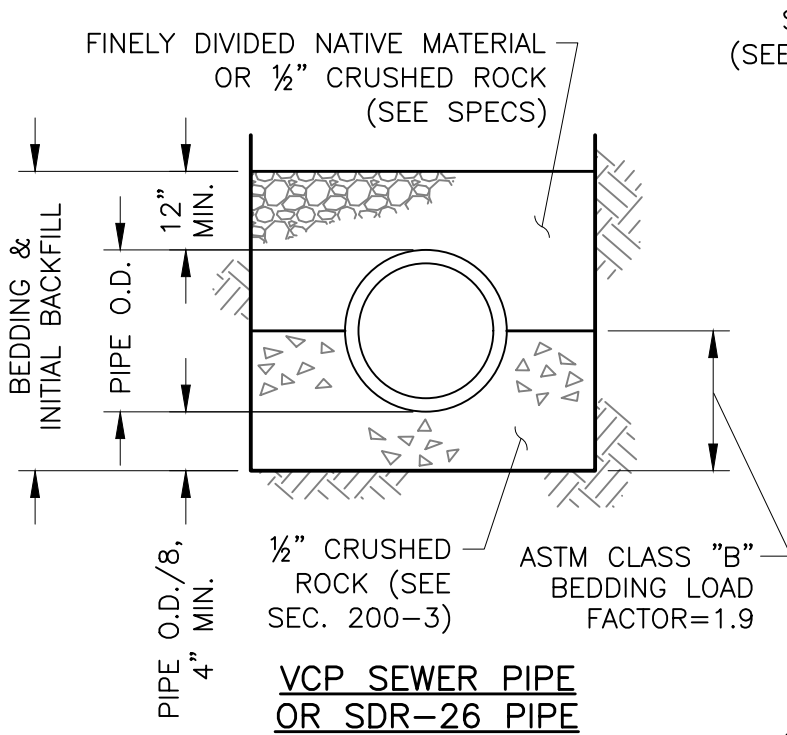
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TYPICAL TRENCH DETAILS

SHEET 1 OF 11

201-1



NOTES:

1. PLACE 4" OF SAND OR APPROVED BEDDING MATERIAL WHEN REQUIRED BY THE SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

1.	Added SDR 26, and PVC C-900	5/24			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

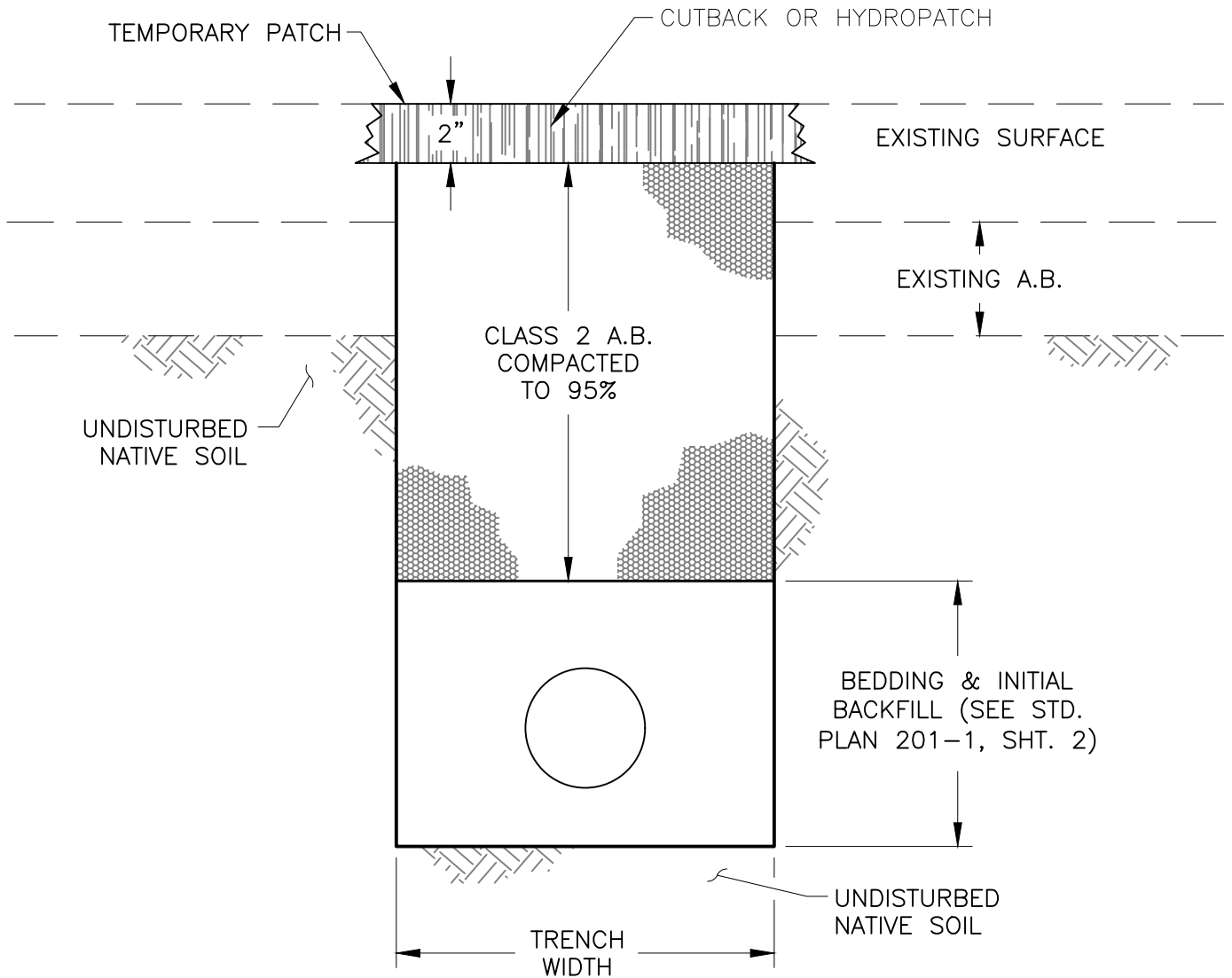
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**TRENCH DETAILS -
PIPE BEDDING & INITIAL BACKFILL**

SHEET 2 OF 11

201-1



NOTES:

1. COMPACTIVE EFFORTS BY WHEEL ROLLING PERMISSIBLE ON CUTBACK PATCH; HOWEVER, RESULTANT SURFACE MUST PRESENT A SMOOTH, EVEN TEXTURE.
2. THE CONTRACTOR SHALL MAINTAIN THE TEMPORARY CUTBACK PATCH IN PLACE A MINIMUM OF SEVEN DAYS BEFORE PERMANENT PATCH, PER SHEET 4, IS PLACED.
3. THE CUTBACK SHALL BE PLACED IMMEDIATELY AFTER A.B. AND MAINTAINED UNTIL THE FINAL PATCH IS MADE.

1	Added compaction	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

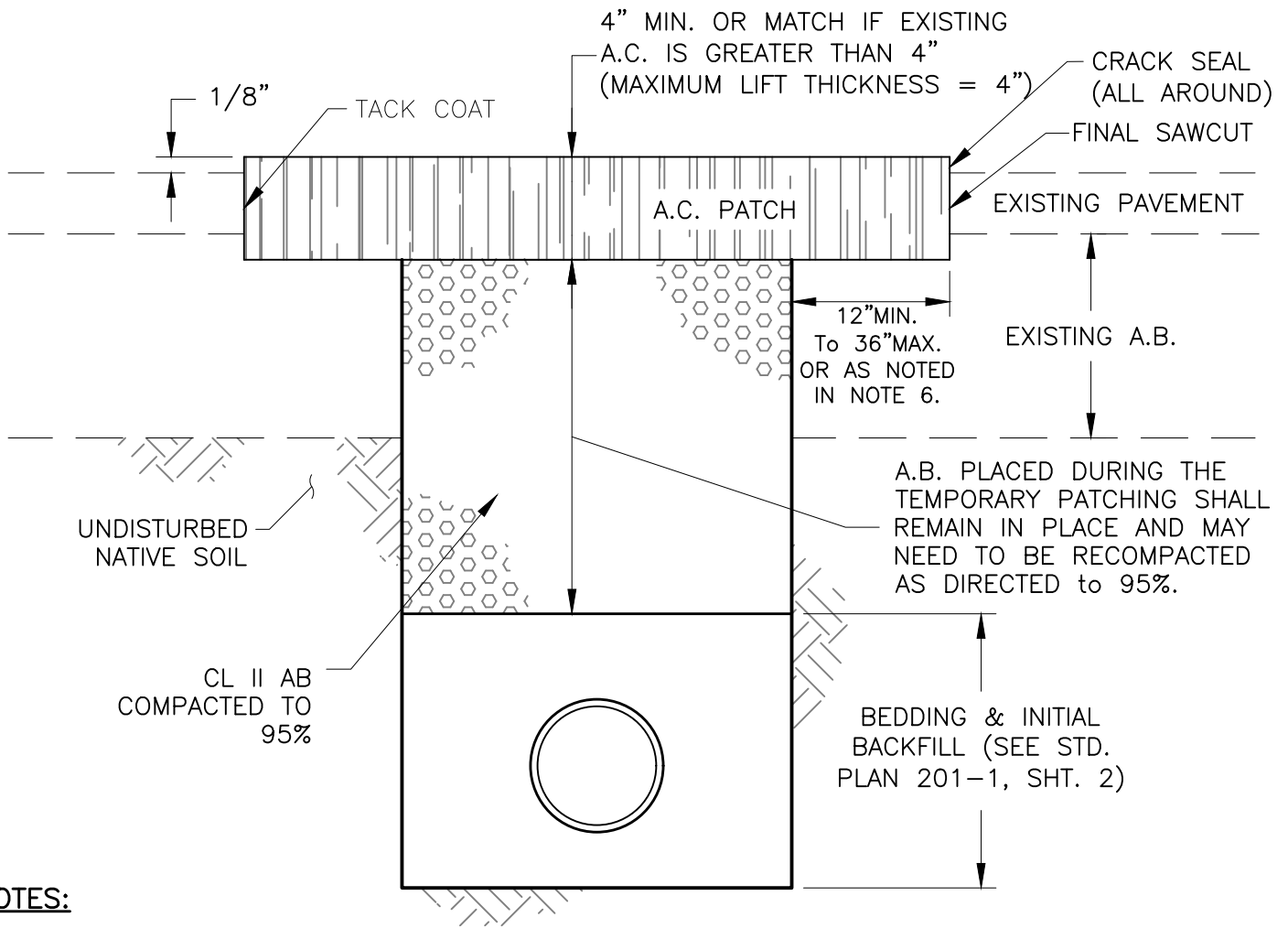
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 P.E. No. C-56636

**TEMPORARY PATCH IN
 EXISTING PAVED AREA**

SHEET 3 OF 11

201-1



NOTES:

1. ALL ASPHALT CONCRETE JOINTS SHALL BE CRACK SEALED PER 302-3.
2. A TWO AXLE TANDEM ROLLER SHALL BE USED FOR COMPACTION OF A.C., SEE CITY OF DAVIS STANDARD SPECIFICATIONS.
3. SAW CUT TO BE MADE AFTER TRENCH BACKFILL IS COMPLETED.
4. FOR EXIST. A.C. SECTION $\geq 8"$ SEE SHEET 6.
5. ADDITIONAL PAVEMENT: AT THE DIRECTION OF THE CITY ENGINEER, ADDITIONAL PAVEMENT MAY BE REQUIRED TO EITHER A PAINTED LANE STRIPE, A LIP OF GUTTER, A CURB, AN EXISTING PAVEMENT PATCH, OR THE EDGE OF PAVEMENT IF SUCH STREET FEATURE IS WITHIN 3 FEET / 36 INCHES OF THE FINAL SAW-CUT.
6. STREETS/ALLEYS RECENTLY (2 YEARS SLURRIED, OR 5 YEARS FOR RESURFACED OR CONSTRUCTED) SHALL REQUIRE EXTENSIVE RESTORATION TO BE DETERMINED BY CITY ENGINEER. ORD. 2589 § 2, 2020 AND SECTION 35.07 IN THE DAVIS MUNICIPAL CODE.

1	Revised notes	3/21			
2	Changed T patch to 12"	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

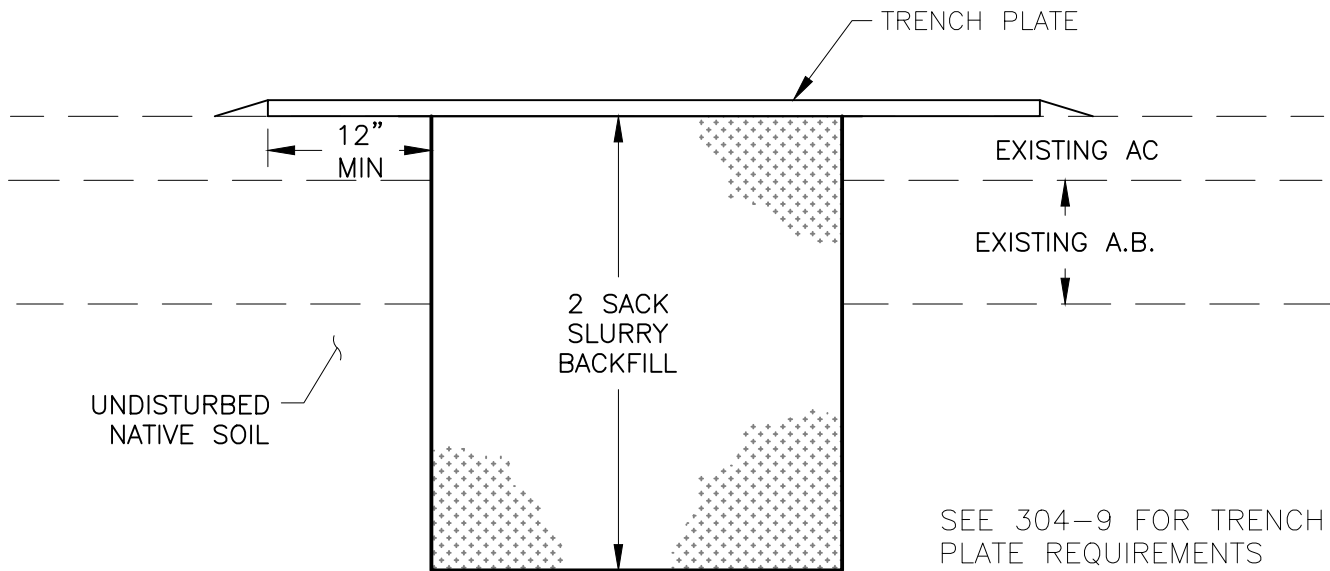
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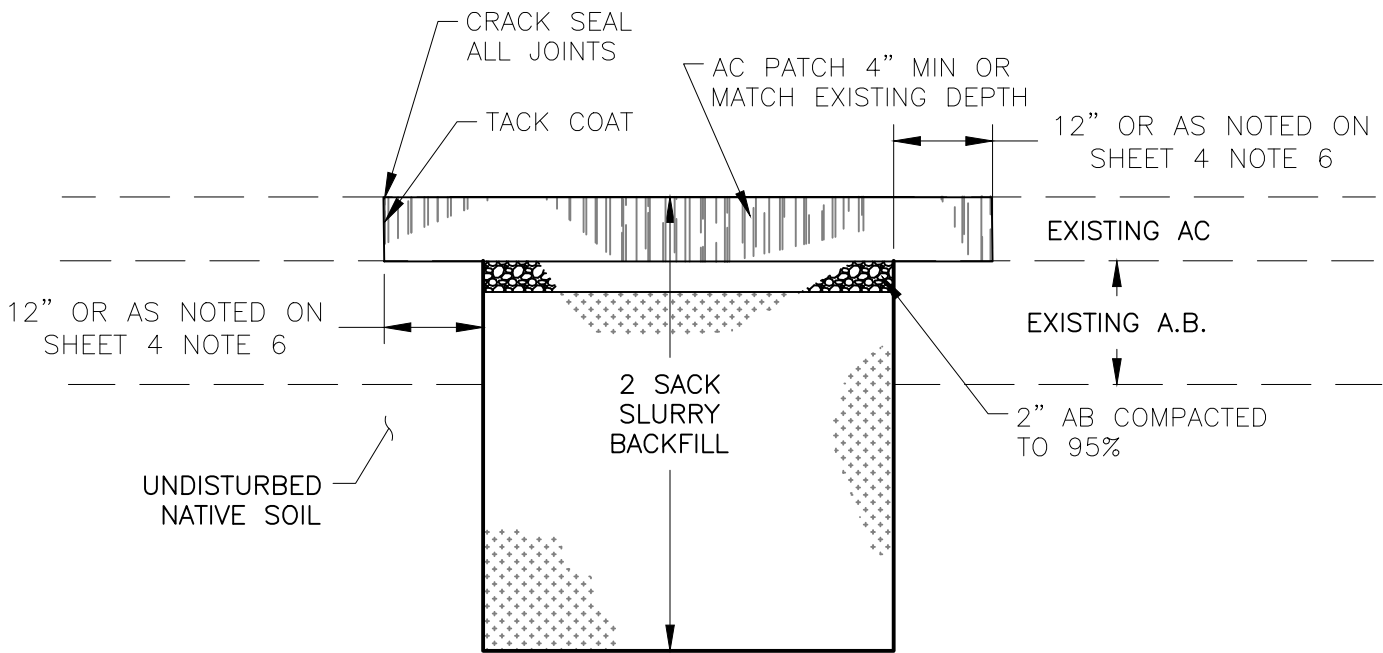
**PERMANENT PATCH IN
 EXISTING PAVED AREA**

SHEET 4 OF 11

201-1



TEMPORARY PATCH



PERMANENT PATCH

	New detail	3/21			
Rev.	Description	Date	Rev.	Description	Date

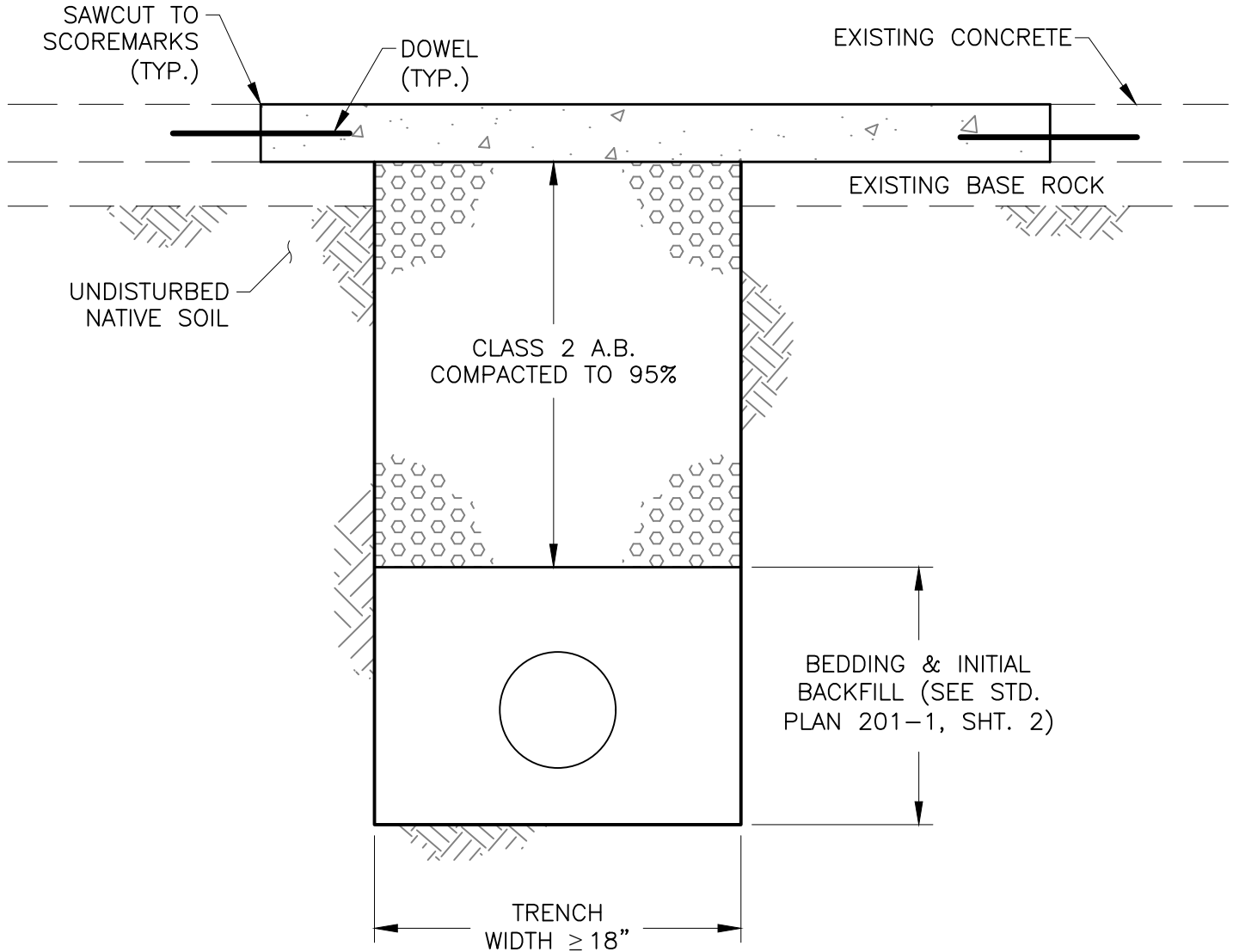
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**PATCH DETAIL WITH
 2 SACK SLURRY BACKFILL**

SHEET 5 OF 11

201-1



NOTES:

1. FOR TRENCHES TOO NARROW FOR COMPACTING EQUIPMENT, BED WITH SAND AND BACKFILL TO SUBGRADE WITH 2 SACK SLURRY. BASE ROCK SHALL NOT BE PLACED UNTIL BACKFILL IS STABILIZED.
2. DOWEL PER STANDARD PLAN 301-1, SHEET 5.

1	Added compaction	3/21			
2	Renumbered from sheet 5	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

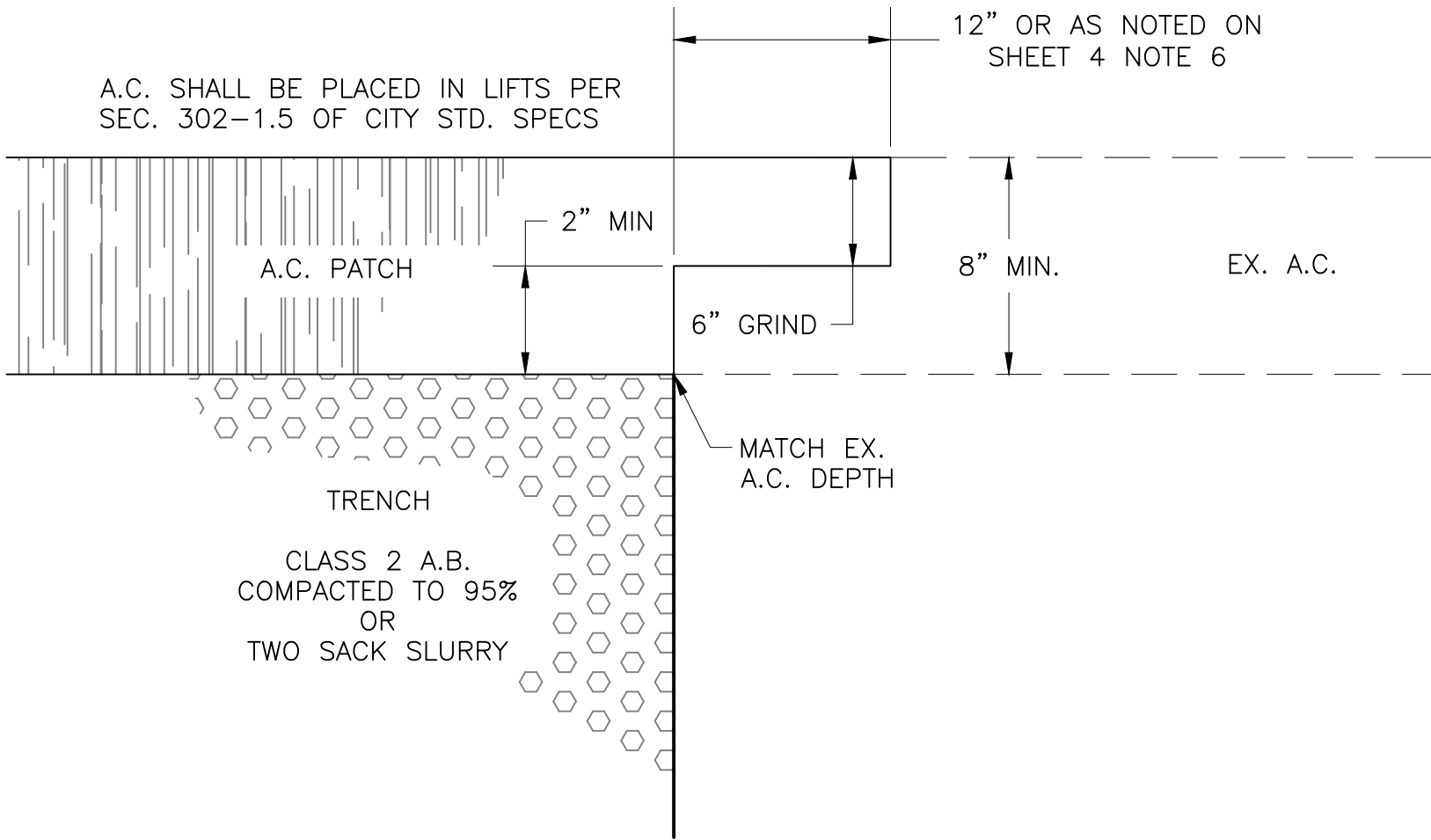
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**TRENCH IN EXISTING
 CONCRETE PAVED AREA**

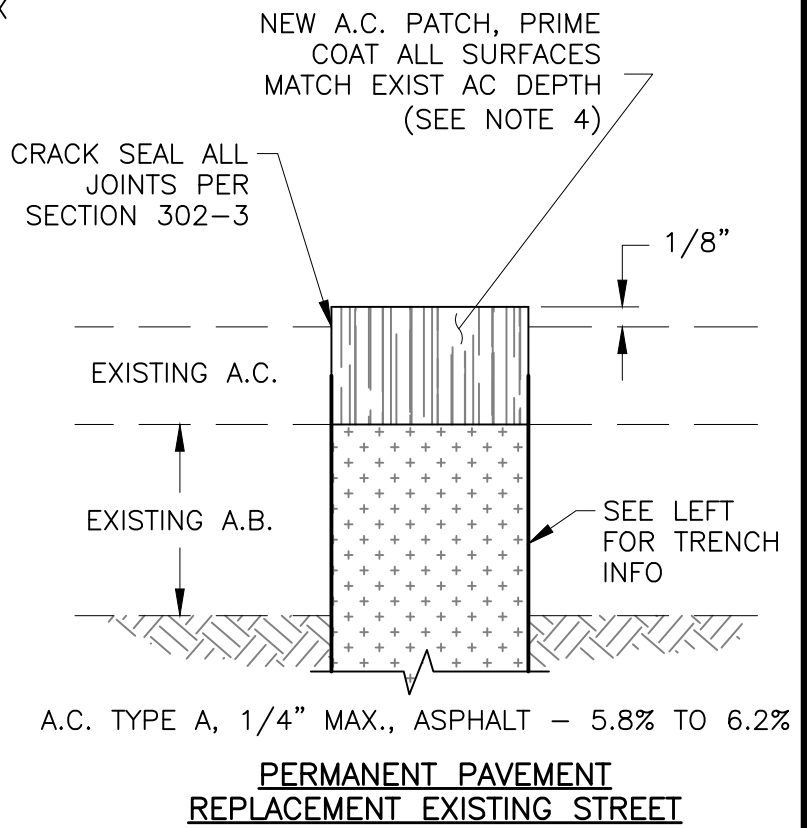
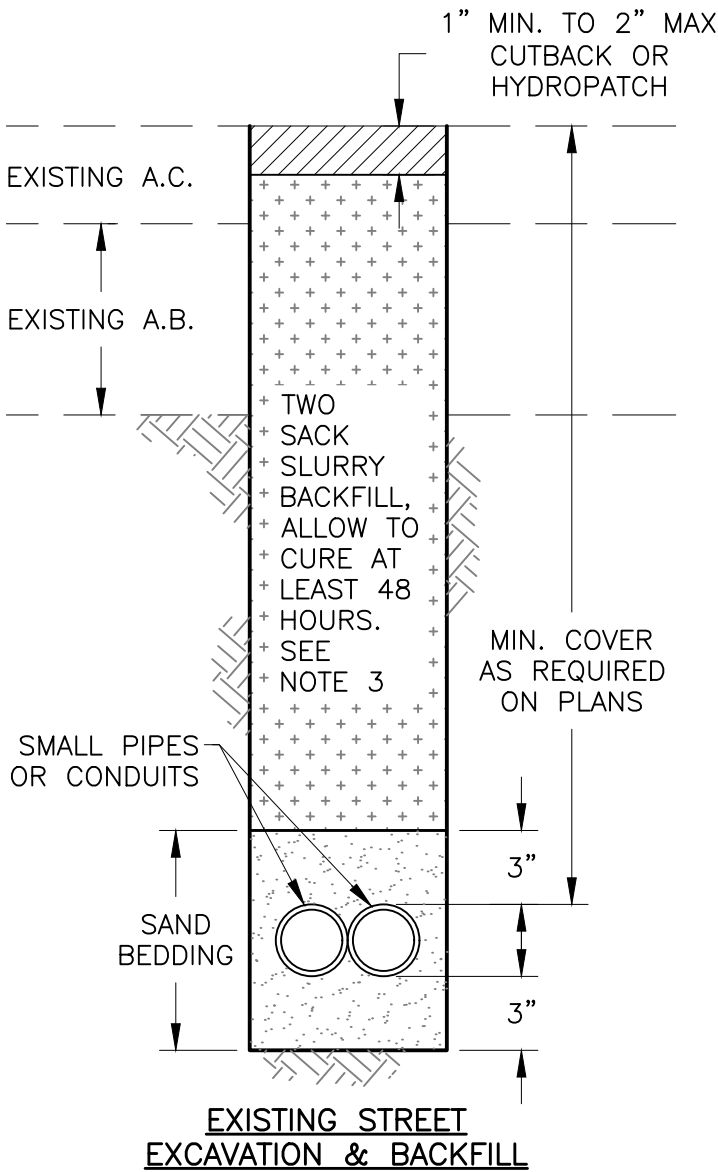
SHEET 6 OF 11

201-1



1	Changed to 2 sack slurry	3/21
2	Renumbered from sheet 6	3/21
Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN	
APPROVED <u>October 7</u> 20 <u>24</u>  DIANNA R. JENSEN P.E. No. C-56636	DEEP SECTION ($\geq 8"$) 'T' PATCH
SHEET <u>7</u> OF <u>11</u>	201-1



A.C. TYPE A, 1/4" MAX., ASPHALT - 5.8% TO 6.2%

**PERMANENT PAVEMENT
REPLACEMENT EXISTING STREET**

NOTES:

1. THESE REQUIREMENTS APPLY TO ALL TRENCHES NARROWER THAN 6" IN WIDTH.
2. SEE SHEET 9 FOR LANDSCAPED AREAS IN CITY PARKS AND GREENBELTS.
3. SMALL POTHOLE: BACKFILL WITH 2-SACK SLURRY.
4. NOTE 6 ON SHEET 4 APPLIES WHEN CIRCUMSTANCES INDICATE.

1	Eliminated sand backfill	3/21	3	Renumbered from sheet 7	3/21
2	Added note 4	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

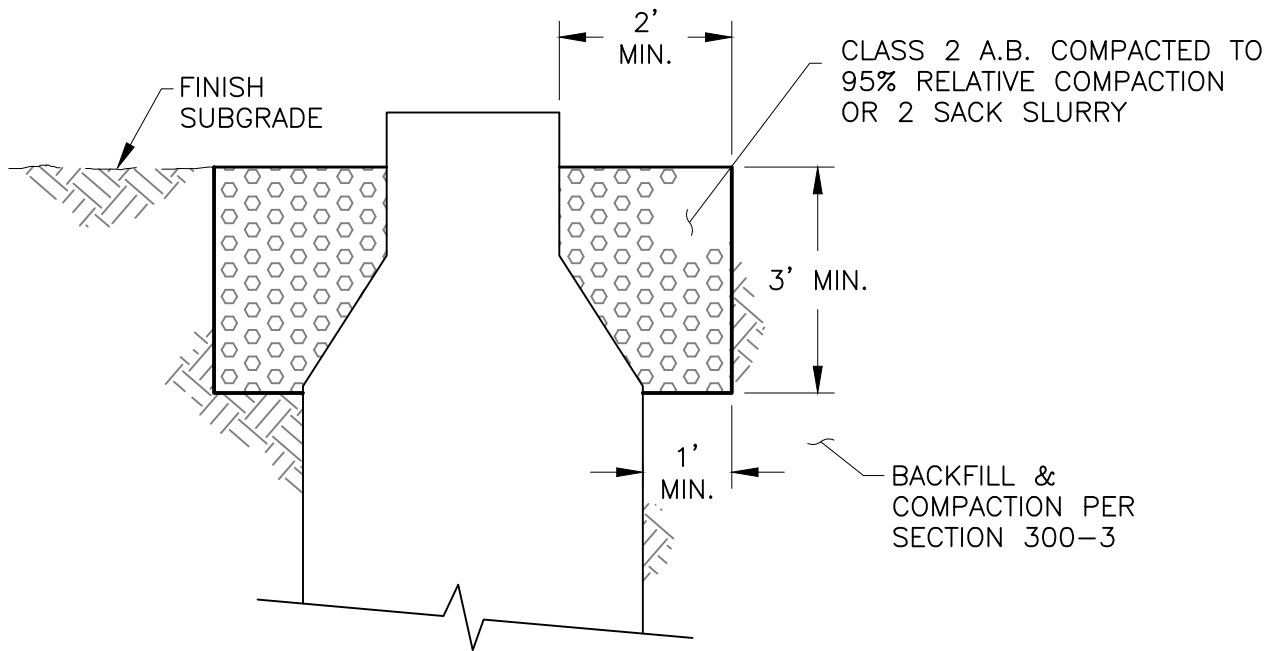
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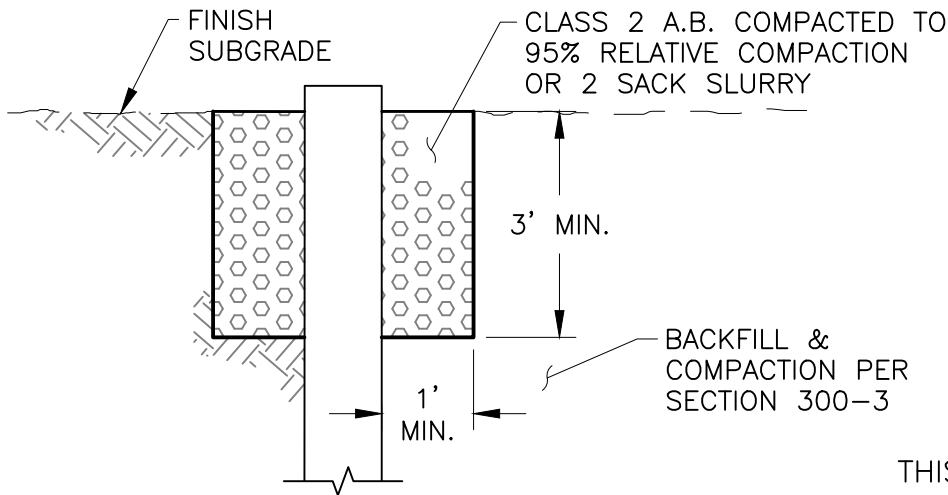
**TRENCH DETAILS -
NARROW TRENCH**

SHEET 8 OF 11

201-1



MAINTENANCE HOLE BACKFILL & COMPACTION



VALVE RISER BACKFILL & COMPACTION

THIS DETAIL APPLIES WHEN THE TRENCH IS WIDE ENOUGH ($\geq 6'$) TO BE BACKFILLED PER SECTION 300-3 "EARTH FILL CONSTRUCTION" OF THE STANDARD SPECS.

1	Added 2 sack slurry	3/21			
2	Renumbered from sheet 8	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

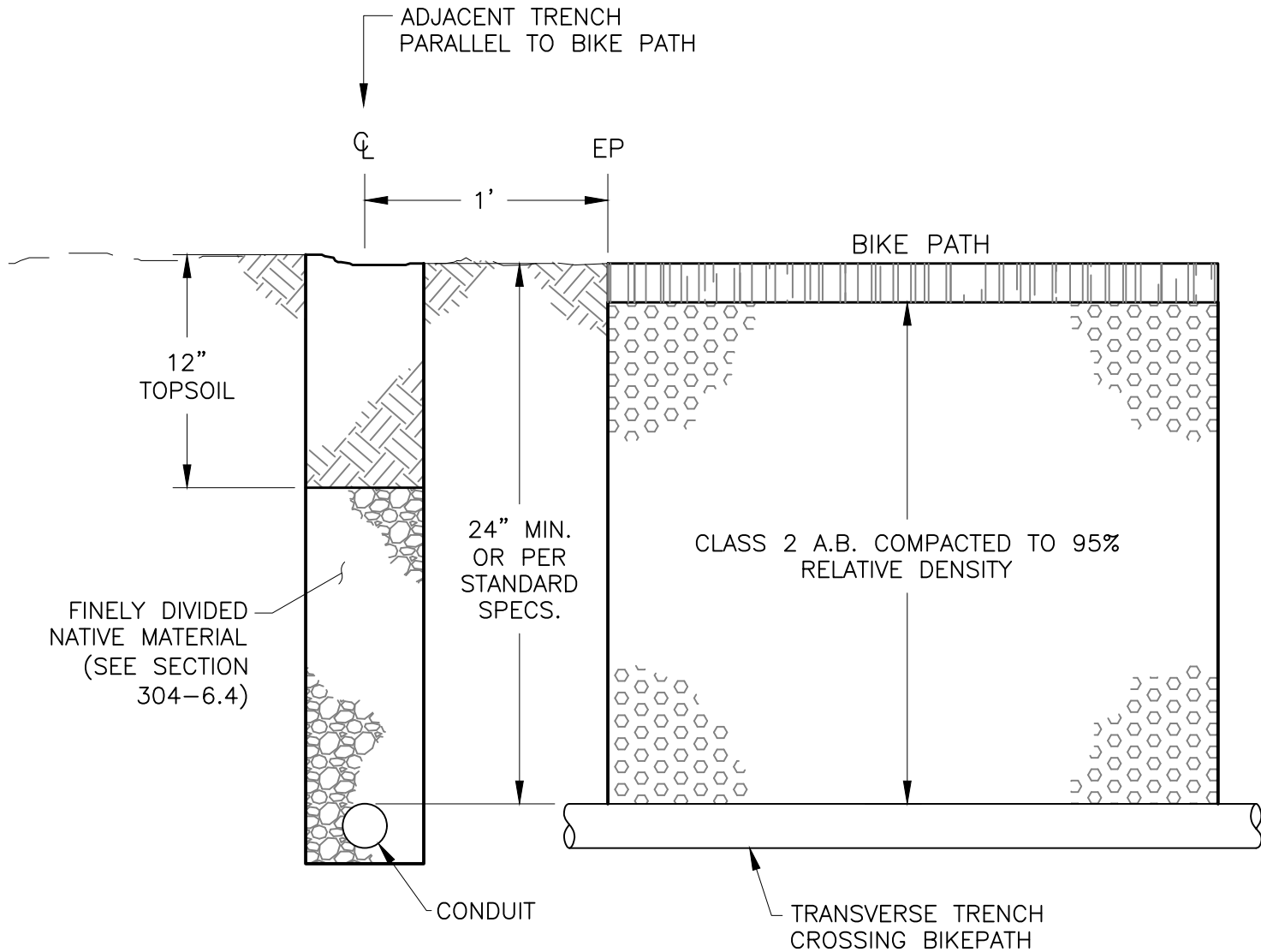
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 DIANNA R. JENSEN
 P.E. No. C-56636

**BACKFILL & COMPACTION
 AT STRUCTURES**

SHEET 9 OF 11

201-1



1	Renumbered from sheet 10	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

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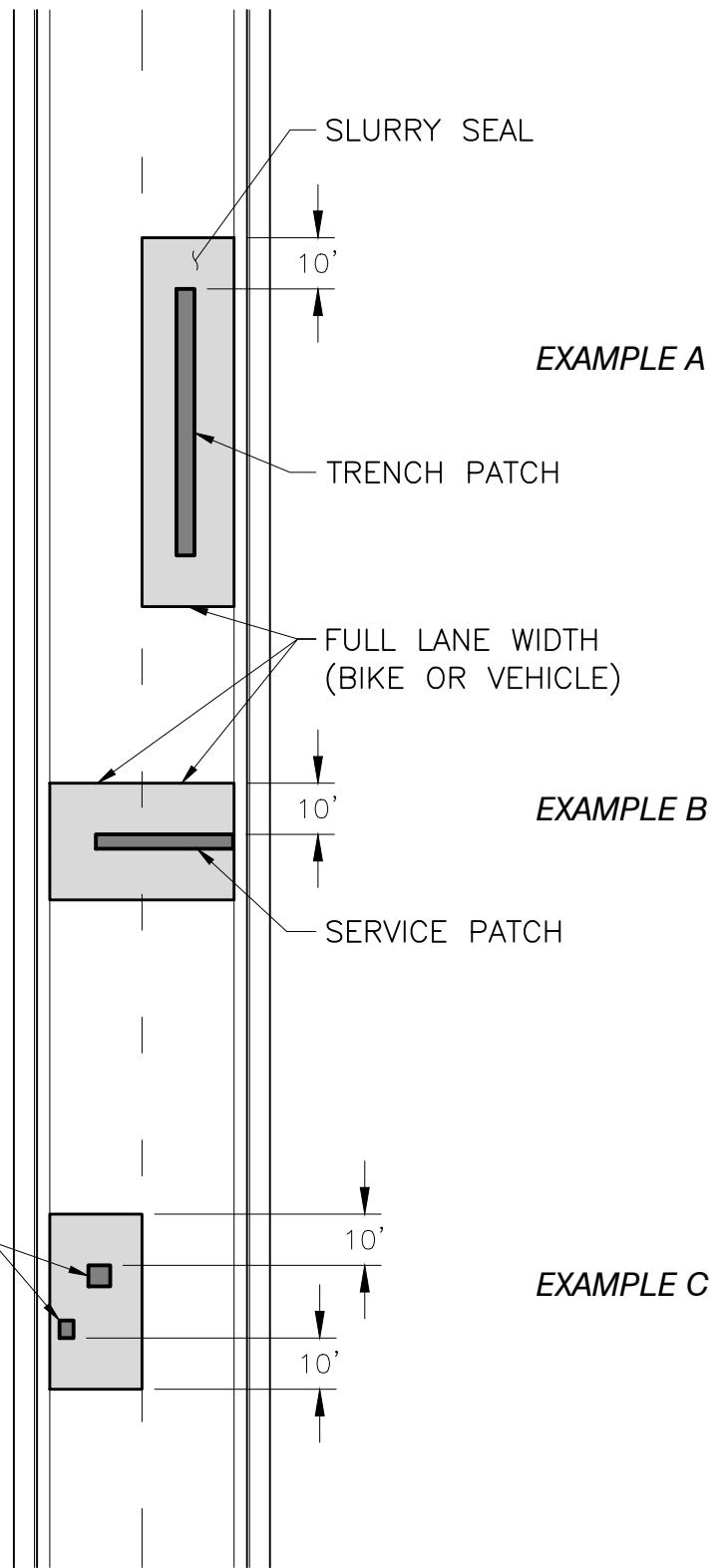
CITY LANDSCAPE AREAS LIGHTING TRENCH DETAILS

SHEET 10 OF 11

201-1

WHERE REQUIRED SLURRY SEAL SHALL EXTEND FROM 10 FT BEFORE THE FIRST PATCH AND EXTEND TO 10 FT BEYOND THE LAST PATCH AND BE THE FULL LANE WIDTH OF ANY LANE THAT IS PATCHED. THE SLURRY SEAL SHALL EXTEND A MINIMUM OF 1 FT BEYOND ANY SAWCUT. RESTRIPE WHERE NECESSARY IN KIND.

ON MORATORIUM STREETS, SEE STANDARD SPEC SECTION 302-4, THESE AREAS WILL BE GROUND AND OVERLAID.



1	Added grind and overlay	3/21			
2	Renumbered from sheet 10	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

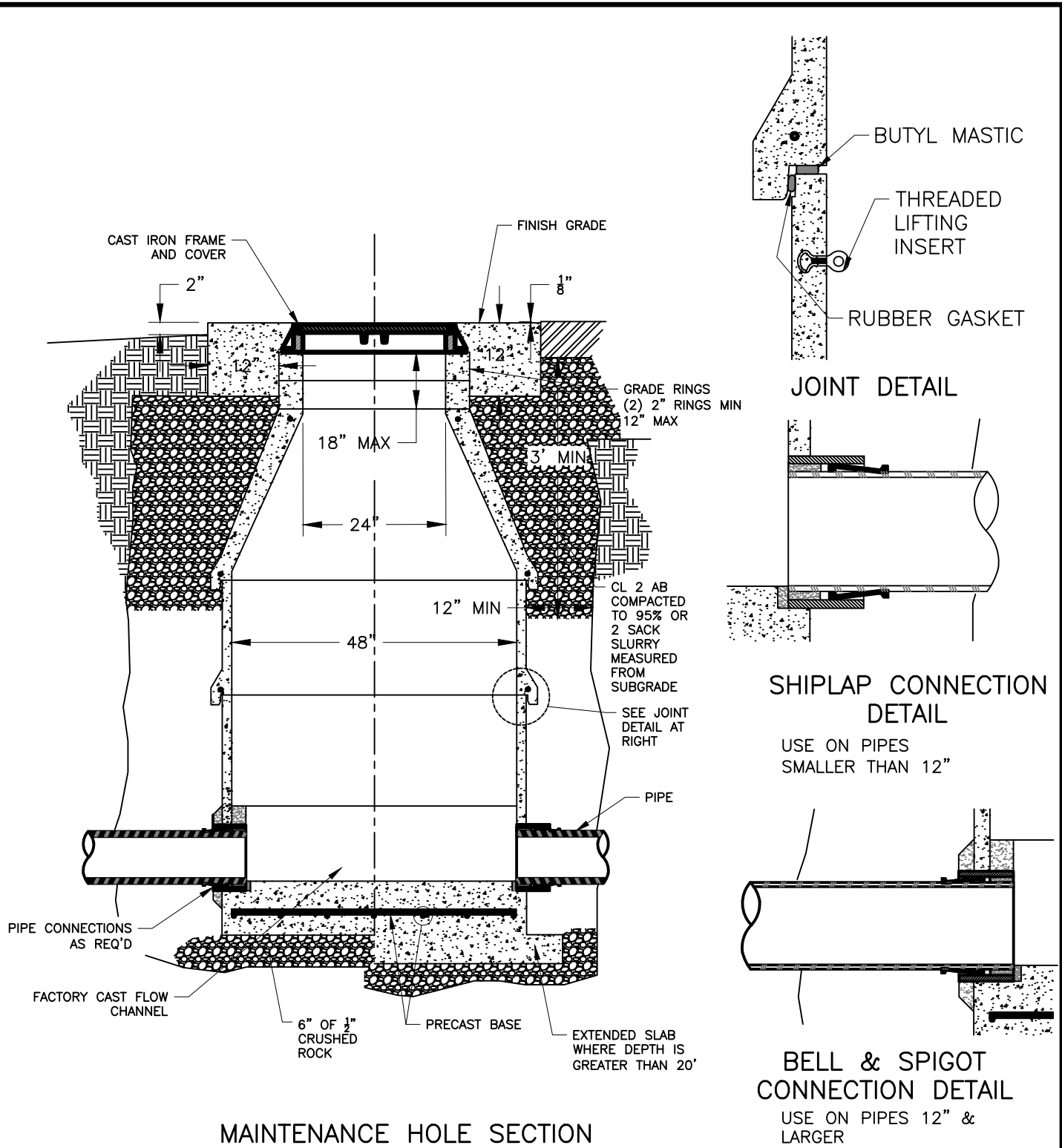
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RESTORATION OF ROAD SURFACE AFTER A.C. PATCHING

SHEET 11 OF 11

201-1



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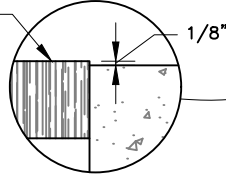
MAINTENANCE HOLE DETAILS

SHEET 1 OF 6

201-2

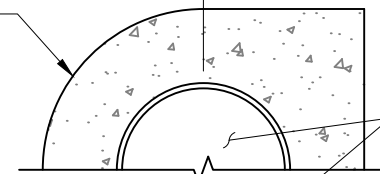
CONCRETE BLOCK 5'-0" ROUND OR 5'-0" SQUARE. SQUARE SIDES PARALLEL TO OR AT RIGHT ANGLES TO EASEMENT. FORM 3" VERTICAL EDGES AROUND TOP OF SQUARE BLOCK. SQUARE BLOCKS SHALL BE USED ONLY IN EASEMENTS.

ROAD SURFACE (F.G.)



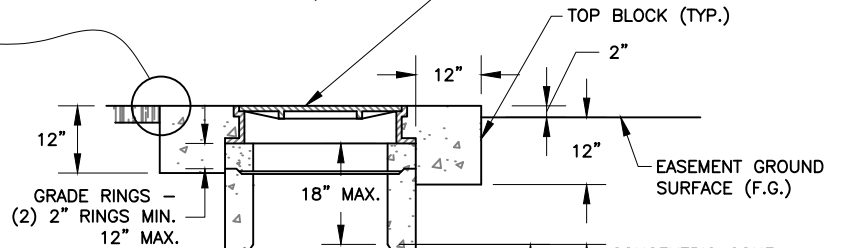
ROADS ← ROUND BLOCK → SQUARE BLOCK → EASEMENTS

2'-6"



CAST IRON FRAME & COVER (SEE SHEET 5)

CLEAN JOINT AND INSTALL FLEXIBLE JOINT SEALANT PRIOR TO SETTING NEXT BARREL OR CONE SECTION. ALL INTERIOR & EXTERIOR JOINT SPACES SHALL BE FINISHED & SEALED OVER WITH MORTAR.



TOP BLOCK (TYP.)

2"

12"

12"

EASEMENT GROUND SURFACE (F.G.)

GRADE RINGS - (2) 2" RINGS MIN. 12" MAX.

18" MAX.

24" THROAT

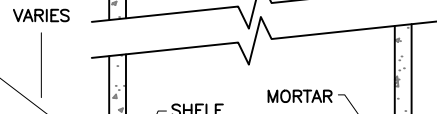
CONCENTRIC CONE STANDARD ECCENTRIC CONE REQUIRES SPECIAL APPROVAL

18" MIN.

12"

FORM RECESS IN BASE WITH APPROVED METAL FORMING RING TO RECEIVE PRECAST M.H. JOINT. INSTALL FLEXIBLE JOINT SEALANT BEFORE PLACING FIRST BARREL OR CONE.

VARIES



SHELF

MORTAR

TYP. BELOW SHELF CONNECTION TO M.H. (SIDE SEWER OR MAIN) CROWN TO CROWN

LAY PIPE THRU M.H. WHEN POSSIBLE

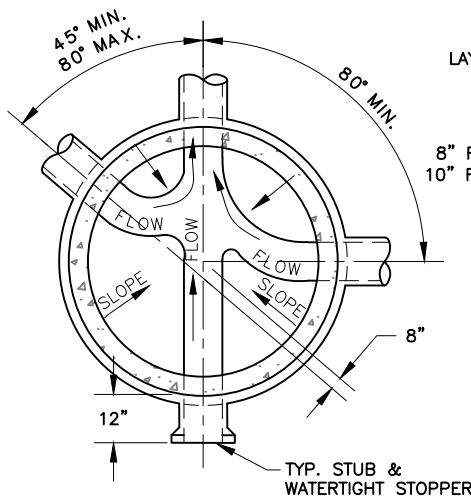
8" FOR M.H. DEPTH 0'-15'

10" FOR M.H. DEPTH 15'-25'

PLACE JOINT WITHIN 2'-0" OF BASE

#4 REBAR GRID AT 12" FOR M.H. DEPTH OF 15'-25'

BASE SECTION



MAINTENANCE HOLE SHOWING INTERSECTING SEWERS PLAN

NOTES:

1. ALL RISER, CONE, BARREL, GRADE RINGS AND PRECAST BASE SECTIONS SHALL CONFORM TO ASTM C-478.
2. UNUSED CHANNELS IN PRECAST BASES SHALL BE FILLED WITH MORTAR.
3. FOR PIPE DIAMETER GREATER THAN OR EQUAL TO 30" SEE SADDLE BASE DETAIL.
4. USE 6" OF 1/2" CRUSHED ROCK UNDER PRECAST BASES.
5. WHEN THE DISTANCE FROM TOP OF PIPE TO F.G. IS 4' OR LESS, THEN A FLAT TOP M.H. SHALL BE USED.

Rev.	Description	Date	Rev.	Description	Date

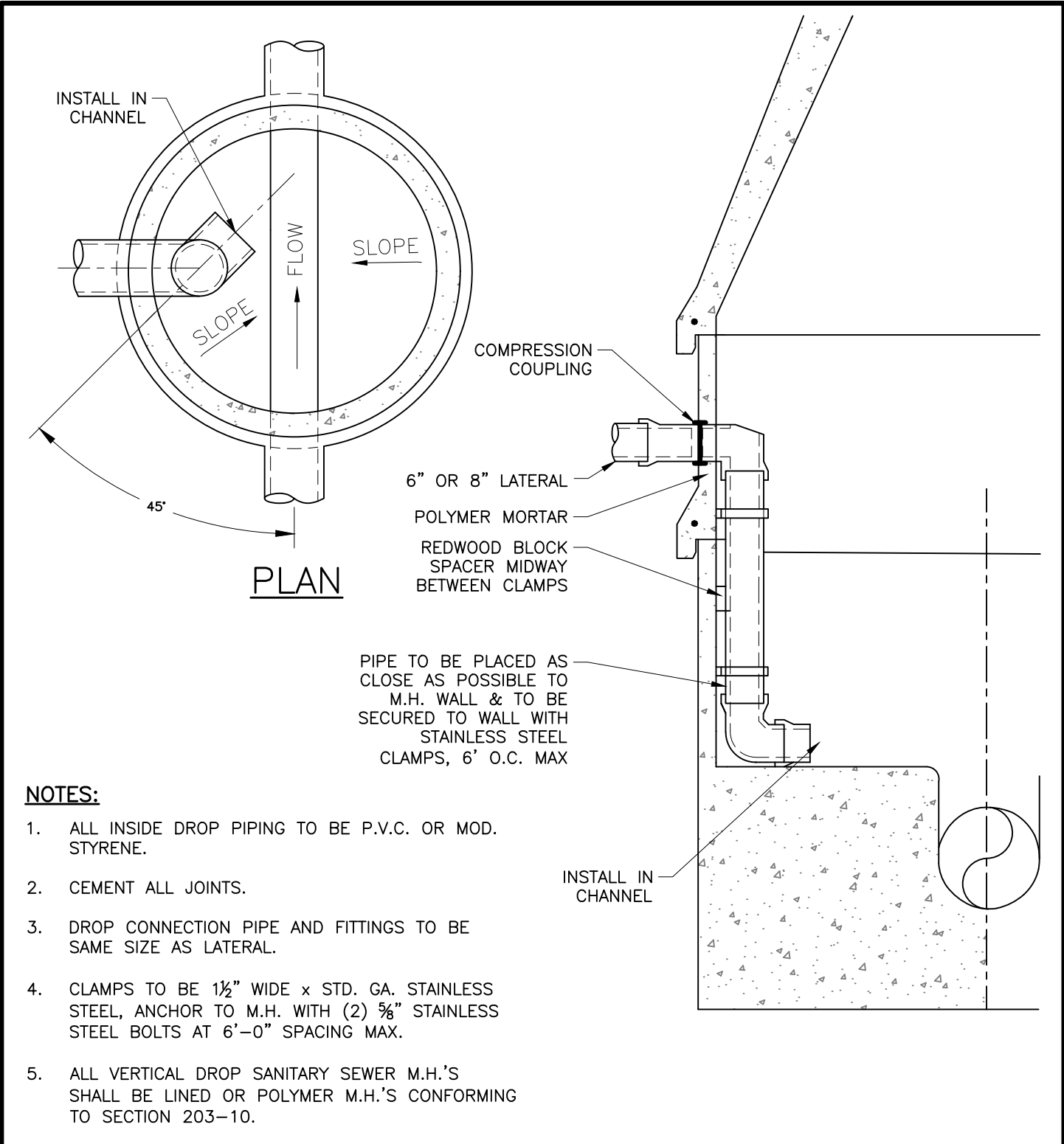
CITY OF DAVIS STANDARD PLAN

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MAINTENANCE HOLE DETAILS - BASE AND PLAN

SHEET 2 OF 6

201-2



NOTES:

1. ALL INSIDE DROP PIPING TO BE P.V.C. OR MOD. STYRENE.
2. CEMENT ALL JOINTS.
3. DROP CONNECTION PIPE AND FITTINGS TO BE SAME SIZE AS LATERAL.
4. CLAMPS TO BE 1½" WIDE x STD. GA. STAINLESS STEEL, ANCHOR TO M.H. WITH (2) 5/8" STAINLESS STEEL BOLTS AT 6'-0" SPACING MAX.
5. ALL VERTICAL DROP SANITARY SEWER M.H.'S SHALL BE LINED OR POLYMER M.H.'S CONFORMING TO SECTION 203-10.

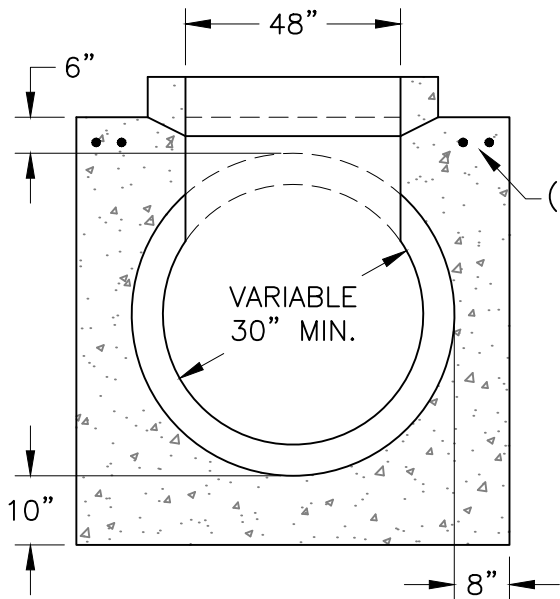
1	Eliminated outside drop	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

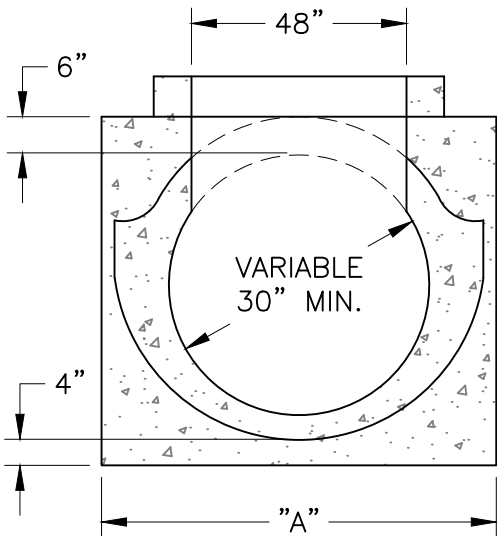
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**MAINTENANCE HOLE DETAILS -
 SANITARY SEWER DROP MAINTENANCE HOLE**

SHEET 3 OF 6 201-2

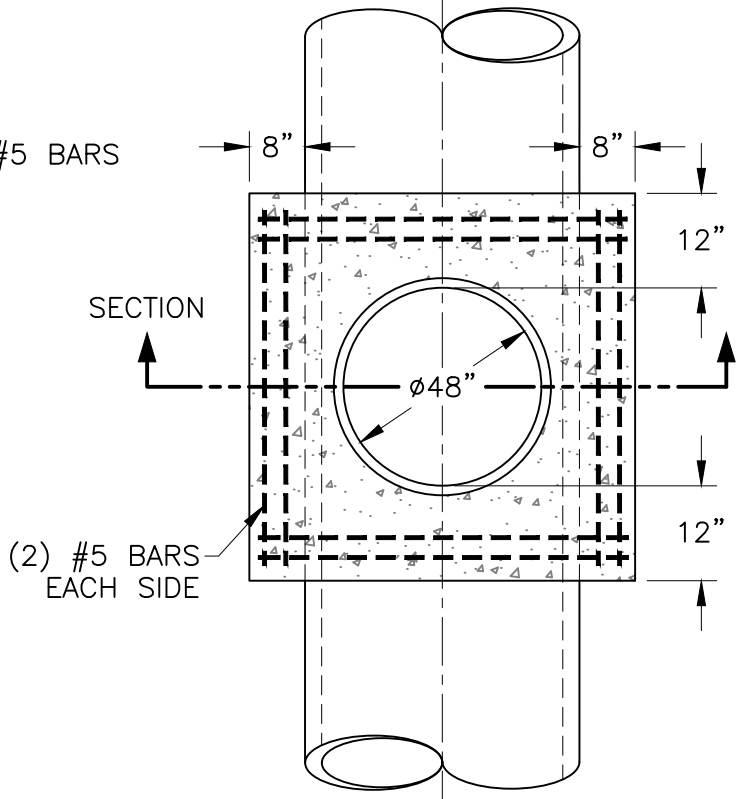


ALTERNATE R.C.P. BASE
FOR DIA. \geq 30"



CAST-IN-PLACE PIPE ONLY
(SEE NOTES)

SECTIONS



(2) #5 BARS
EACH SIDE

PLAN


NOTES:

1. REMOVE CONCRETE IN M.H. OPENING AND CONSTRUCT RISER BASE WHILE CONCRETE IS STILL FRESH.
2. PLACE RISER SECTION AFTER CONCRETE HAS SET.

3.	PIPE DIA.	30"	36"	42"	48"
	"A"	5'-0"	5'-0"	5'-0"	5'-8"
	PIPE DIA.	54"	60"	66"	72"
	"A"	6'-3"	6'-10"	7'-5"	8'-0"

Rev.	Description	Date	Rev.	Description	Date
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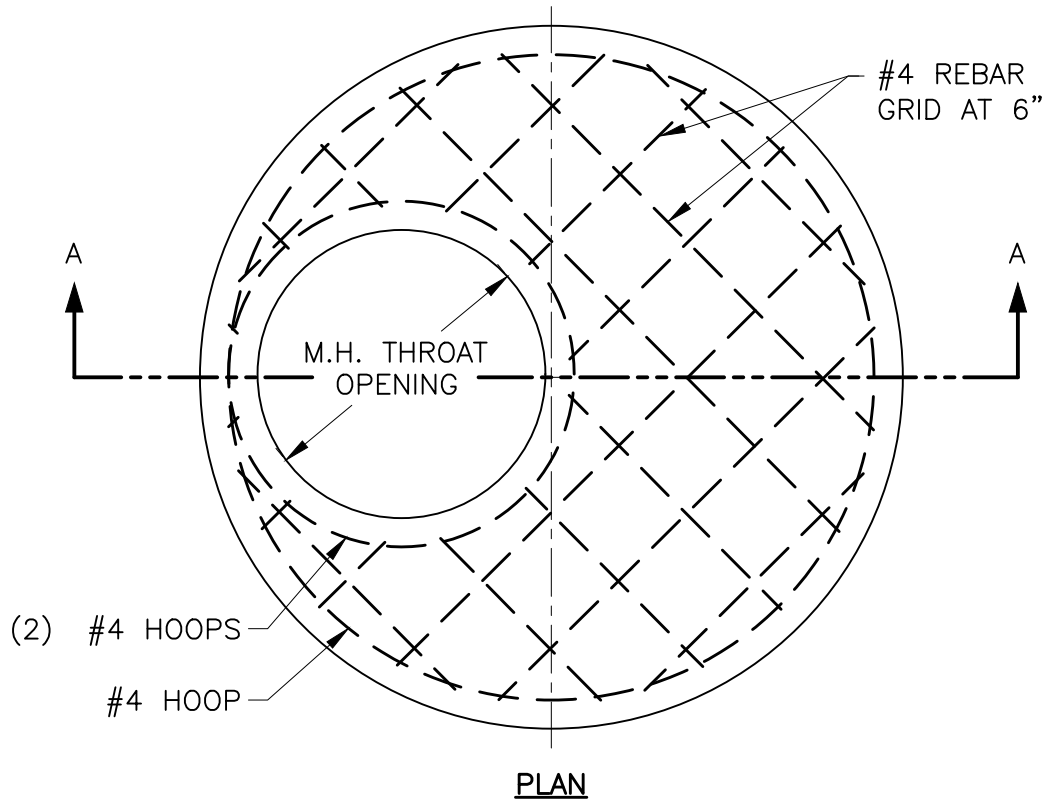
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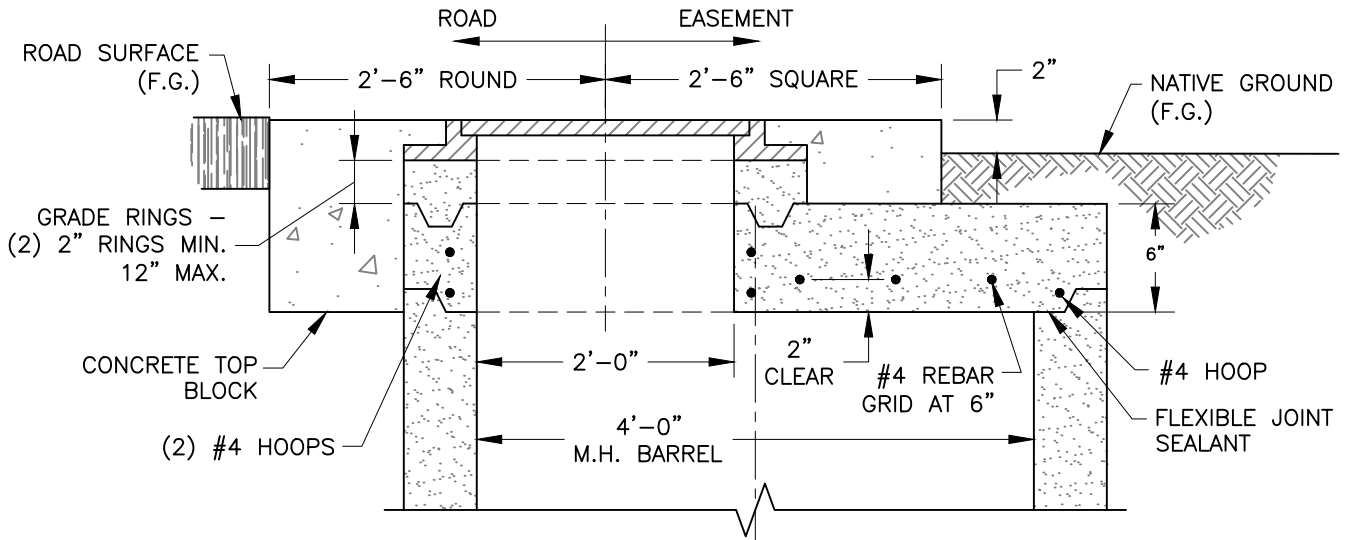
**MAINTENANCE HOLE DETAILS -
SADDLE BASE**

SHEET 4 OF 6

201-2



PLAN



SECTION A-A

NOTES:

1. REF: SECTION 203-10.1 FOR ADDITIONAL DESIGN REQUIREMENTS.
2. THIS TOP SHALL BE USED WHEN TOP OF PIPE TO F.G. IS 4' OR LESS.

Rev.	Description	Date	Rev.	Description	Date

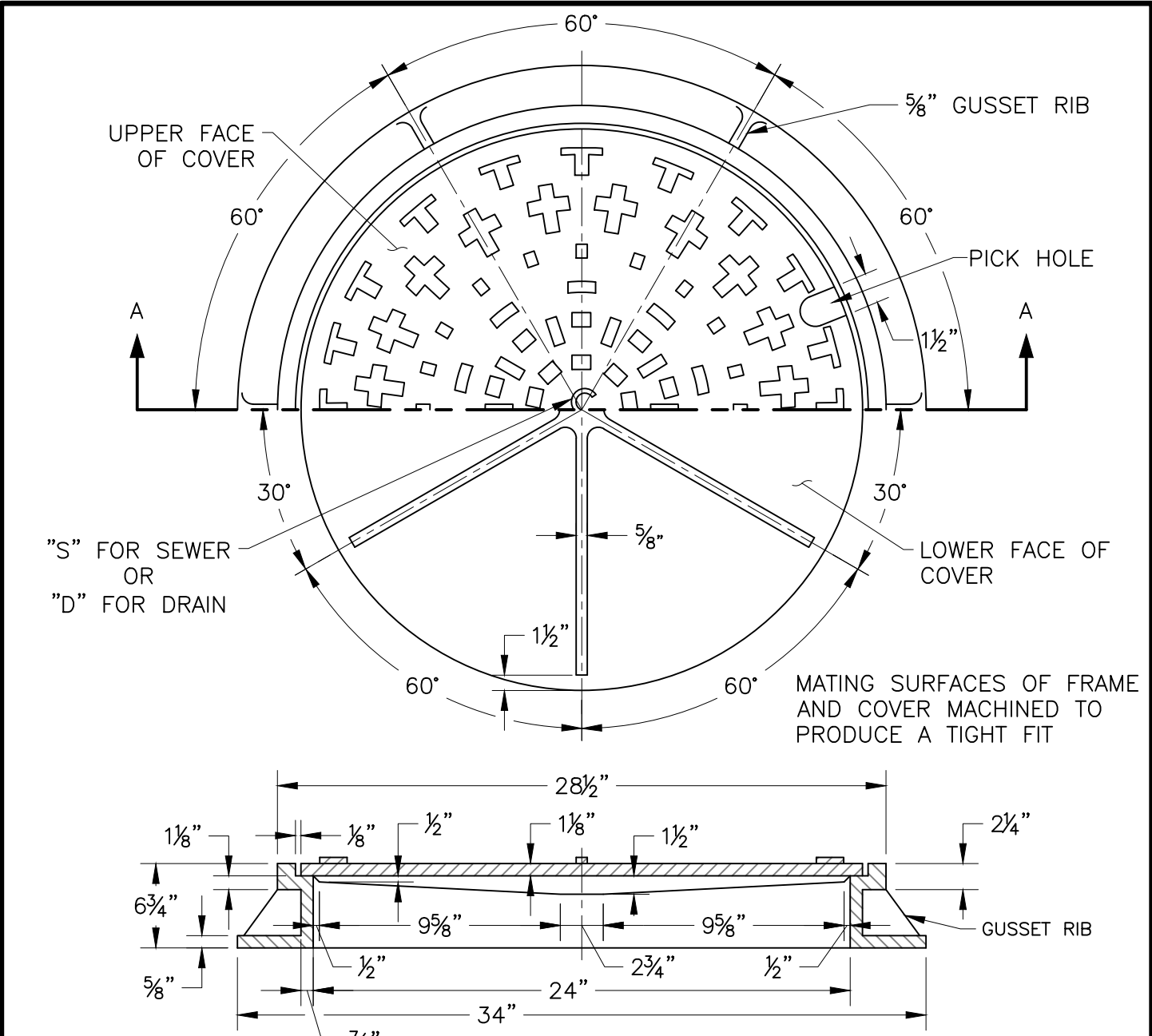
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**MAINTENANCE HOLE DETAILS -
 FLAT TOP MAINTENANCE HOLE**

SHEET 5 OF 6

201-2



SECTION A-A

NOTES:

- 1. MATERIAL USED IN MANUFACTURE OF CASTINGS SHALL CONFORM TO ASTM A48 LATEST REVISION CLASS 30 IRON.
- 2. FRAME, APPROX. WT. 210 LBS.
- 3. COVER, APPROX. WT. 175 LBS.
- 4. MANUFACTURERS NAME TO BE CAST IN FRAME AND COVER.

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

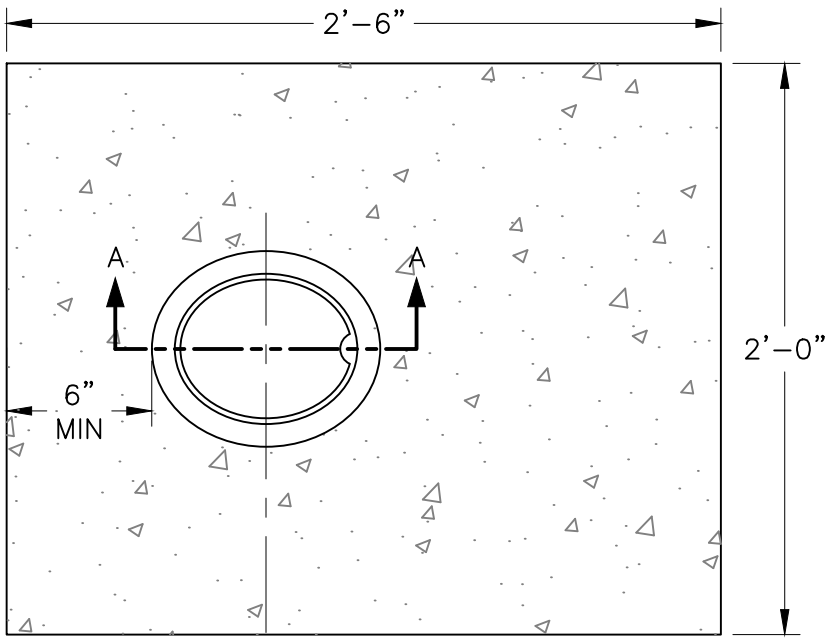
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**MAINTENANCE HOLE DETAILS -
FRAME AND COVER**

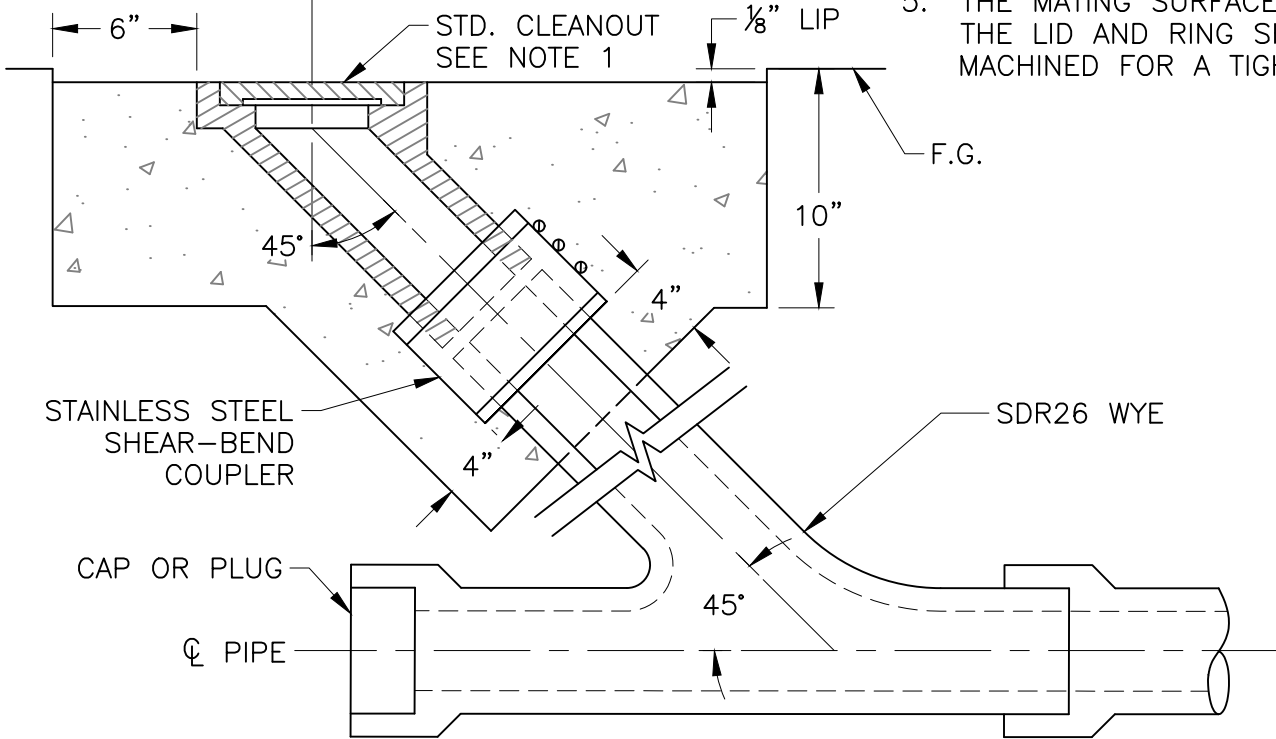
SHEET 6 OF 6 201-2

NOTES:

1. D. AND L. SUPPLY 6" H6520, 8" H65530 FRAME AND COVER OR EQUAL.
2. THE FRAME SHALL BE SET IN CONCRETE 1/8" BELOW THE NEW PAVEMENT. THE CONCRETE SHALL HAVE A MEDIUM BROOM FINISH.
3. REMOVAL OF PAVEMENT FOR THE PRECAST BOX SHALL BE WITH A PNEUMATIC HAMMER, CHISEL TYPE, OR OTHER APPROVED EQUIPMENT.
4. PRIOR TO POUR THE CONTRACTOR SHALL CALL FOR AN INSPECTION.
5. THE MATING SURFACES OF THE LID AND RING SHALL BE MACHINED FOR A TIGHT FIT.



PLAN



SECTION A-A

1	Changed to SDR 26	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

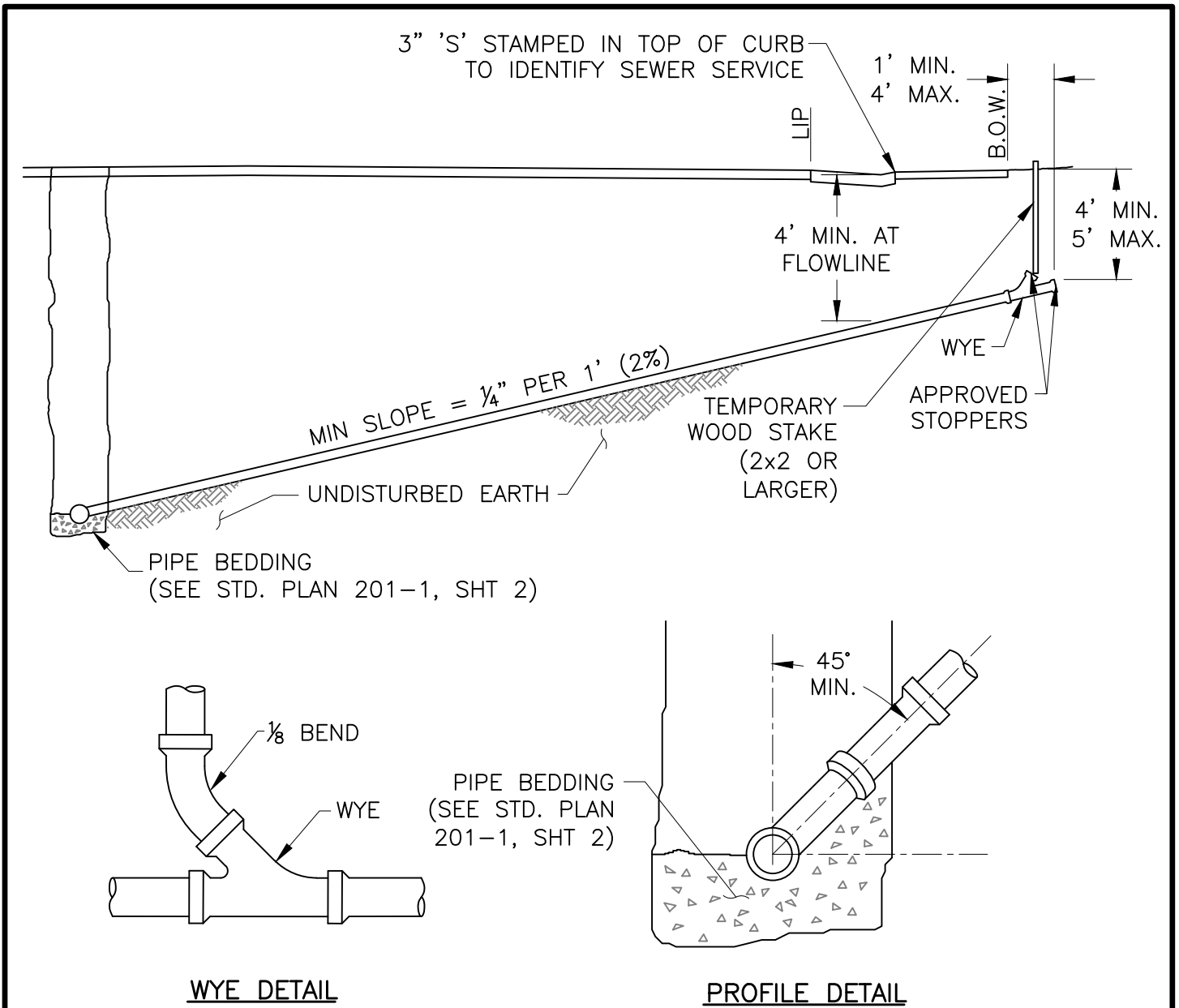
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FLUSHER BRANCH AND COVER

SHEET 1 OF 1

201-3



NOTES:

1. ALL SERVICES SHALL BE 4" PVC SDR-26 PIPE ASTM D3034.
2. CONTRACTOR SHALL USE THE MOST APPROPRIATE TYPE OF CONNECTION (ALTERNATES ON SHEET 2) FOR THE PARTICULAR SITUATION.
3. SEE STANDARD PLAN 201-6 FOR REQUIRED CLEANOUTS AND BOXES.

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

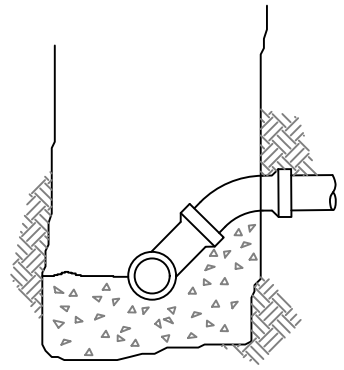
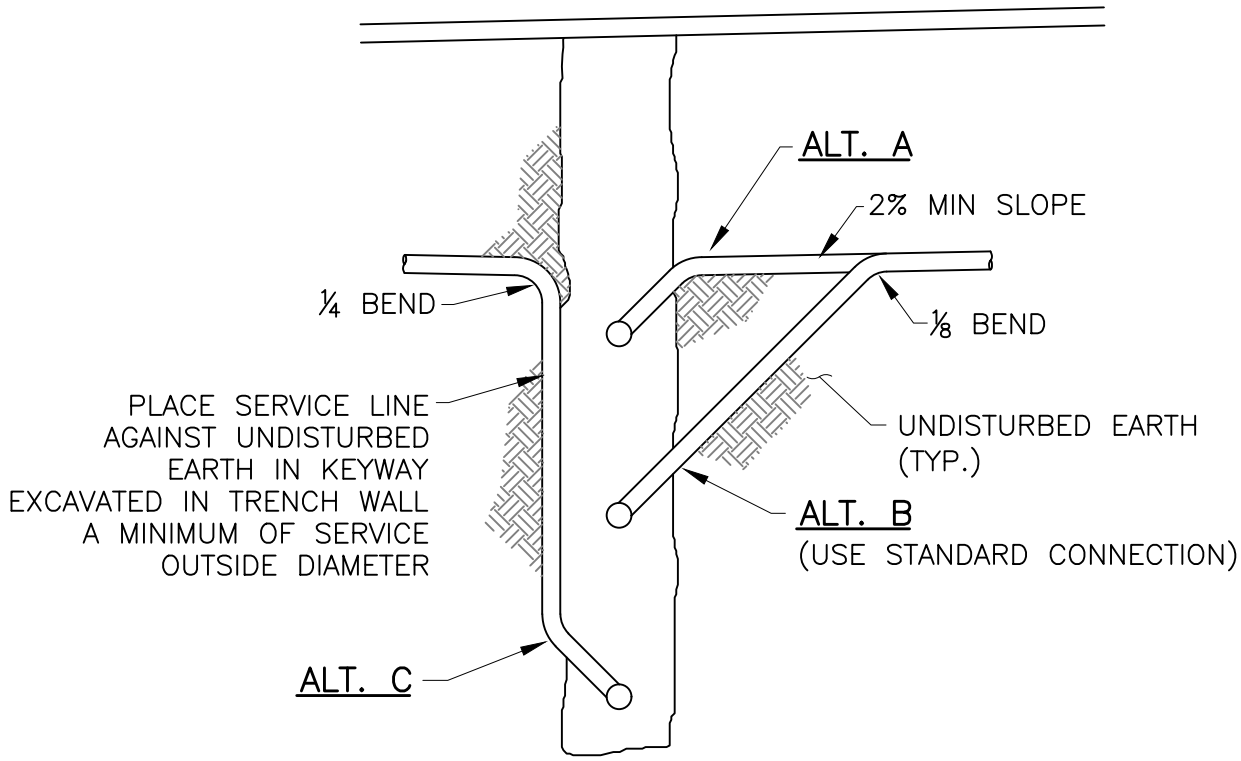
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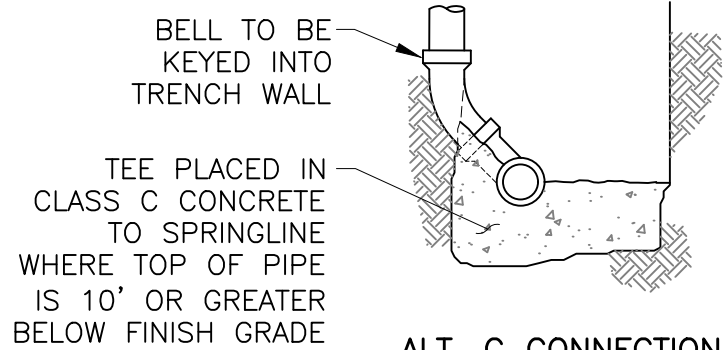
SEWER SERVICE CONNECTION

SHEET 1 OF 2

201-4



ALT. A CONNECTION



ALT. C CONNECTION

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

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SEWER SERVICE CONNECTION

SHEET 2 OF 2

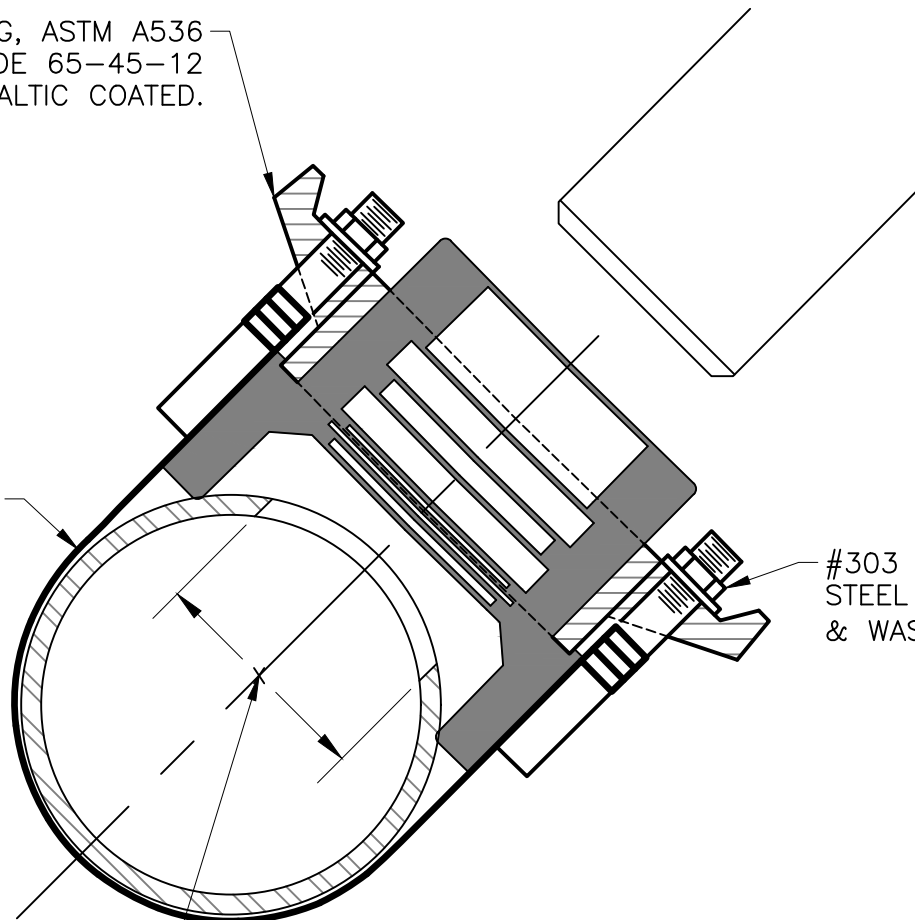
201-4

D.I. CASTING, ASTM A536
 GRADE 65-45-12
 ASPHALTIC COATED.

#304 STAINLESS
 STEEL BAND

#303 STAINLESS
 STEEL NUTS, BOLTS
 & WASHERS (TYP.)

TAP HOLE SHALL BE
 MACHINE DRILLED BY
 CITY FORCES



NOTES:

1. FOR USE ON EXISTING CITY SEWER MAINS ONLY, NOT TO BE USED IN NEW SYSTEMS.
2. THE TAP SHALL BE PERFORMED BY CITY FORCES. ALL PREPARATIONS, EXCAVATIONS, SHORING, AND BACKFILL SHALL BE PERFORMED BY THE CONTRACTOR.
3. NO TAP SHALL BE ALLOWED INTO EXISTING SEWER LESS THAN 6" DIA.
4. SEE STD. PLAN 201-4 FOR ADDITIONAL DETAILS.
5. APPROVED MANUFACTURER: ROMAC STYLE CB OR APPROVED EQUAL.

1	Changed to ROMAC for SDR 26	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

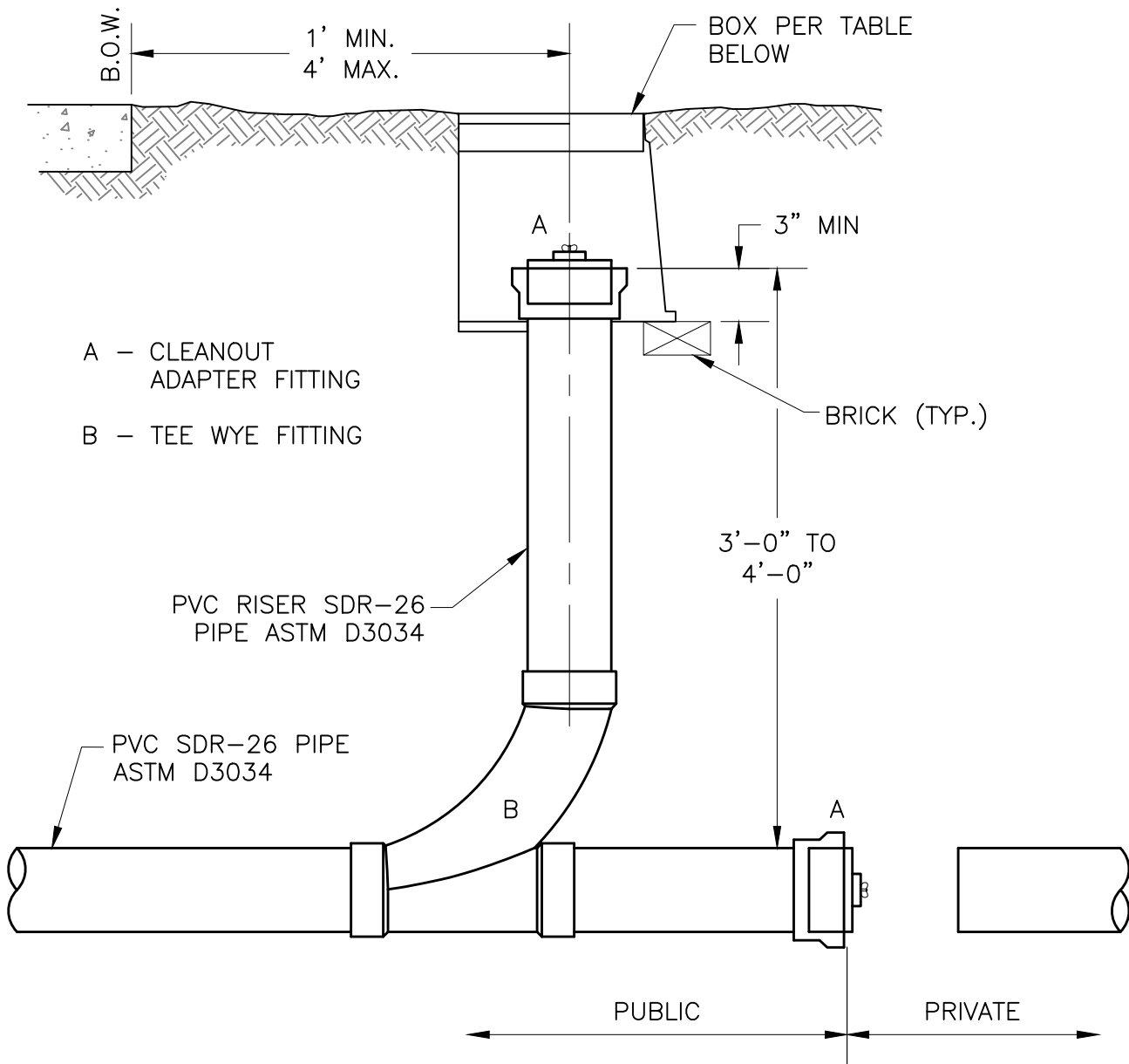
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SEWER LINE TAPS

SHEET 1 OF 1

201-5



APPLICATION	BOX MODEL (OR APPROVED EQUAL)	LID
4" SERVICE IN LANDSCAPING	CARSON 910-10 GREEN SEWER BOX	910-3B FLUSH-PENT HEAD
4" SERVICE IN HARDSCAPE	CHRISTY G-5	G5C-"SEWER"
6" SERVICE	CHRISTY G-8	G8C-"SEWER"
LARGE SERVICE	MAINTENANCE HOLE INSTEAD OF CLEANOUT	

1	New detail SDR 26	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

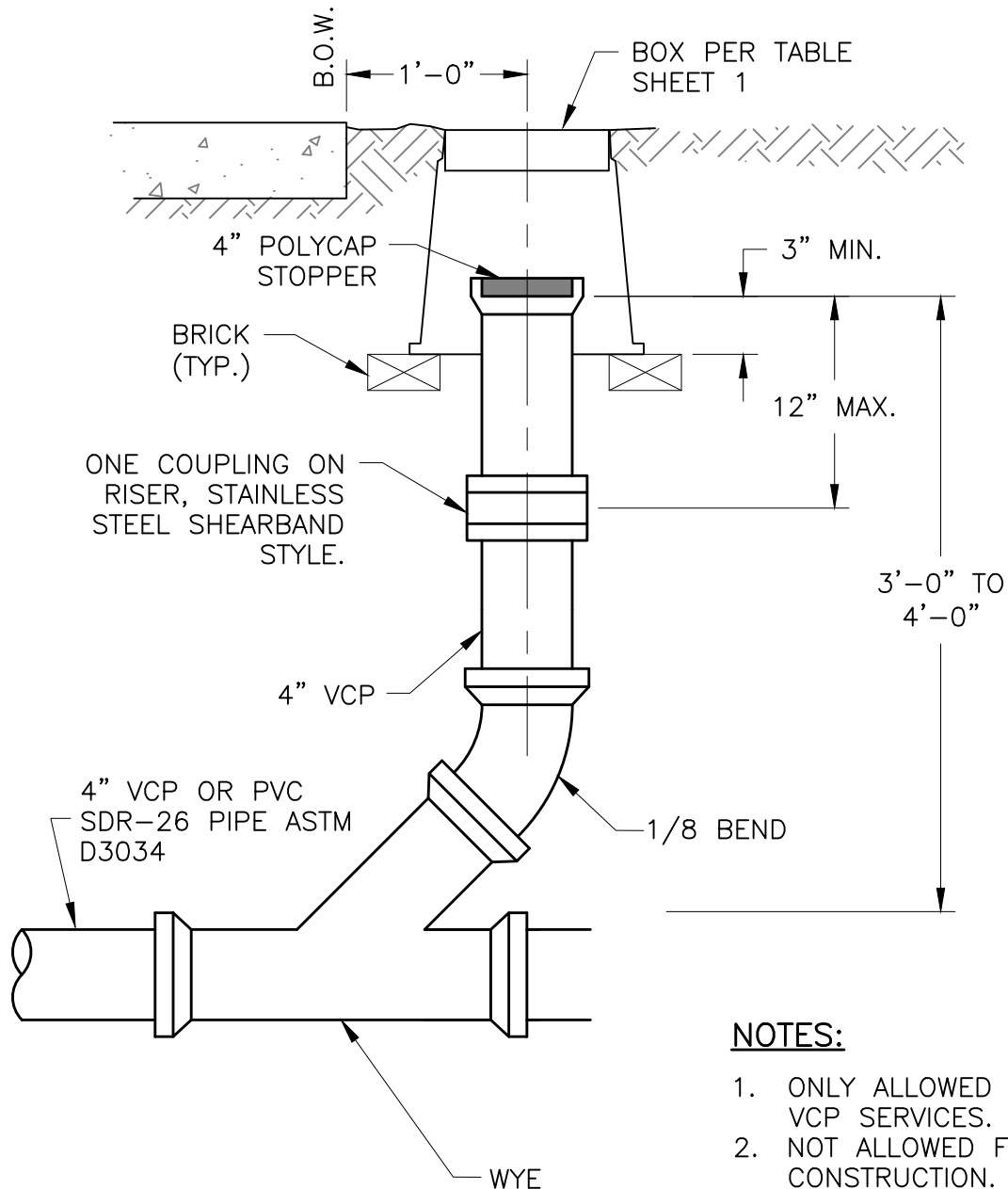
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SANITARY SEWER SERVICE SDR 26

SHEET 1 OF 3

201-6



NOTES:

1. ONLY ALLOWED ON EXISTING VCP SERVICES.
2. NOT ALLOWED FOR NEW CONSTRUCTION.

1	Renumbered to sheet 2	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

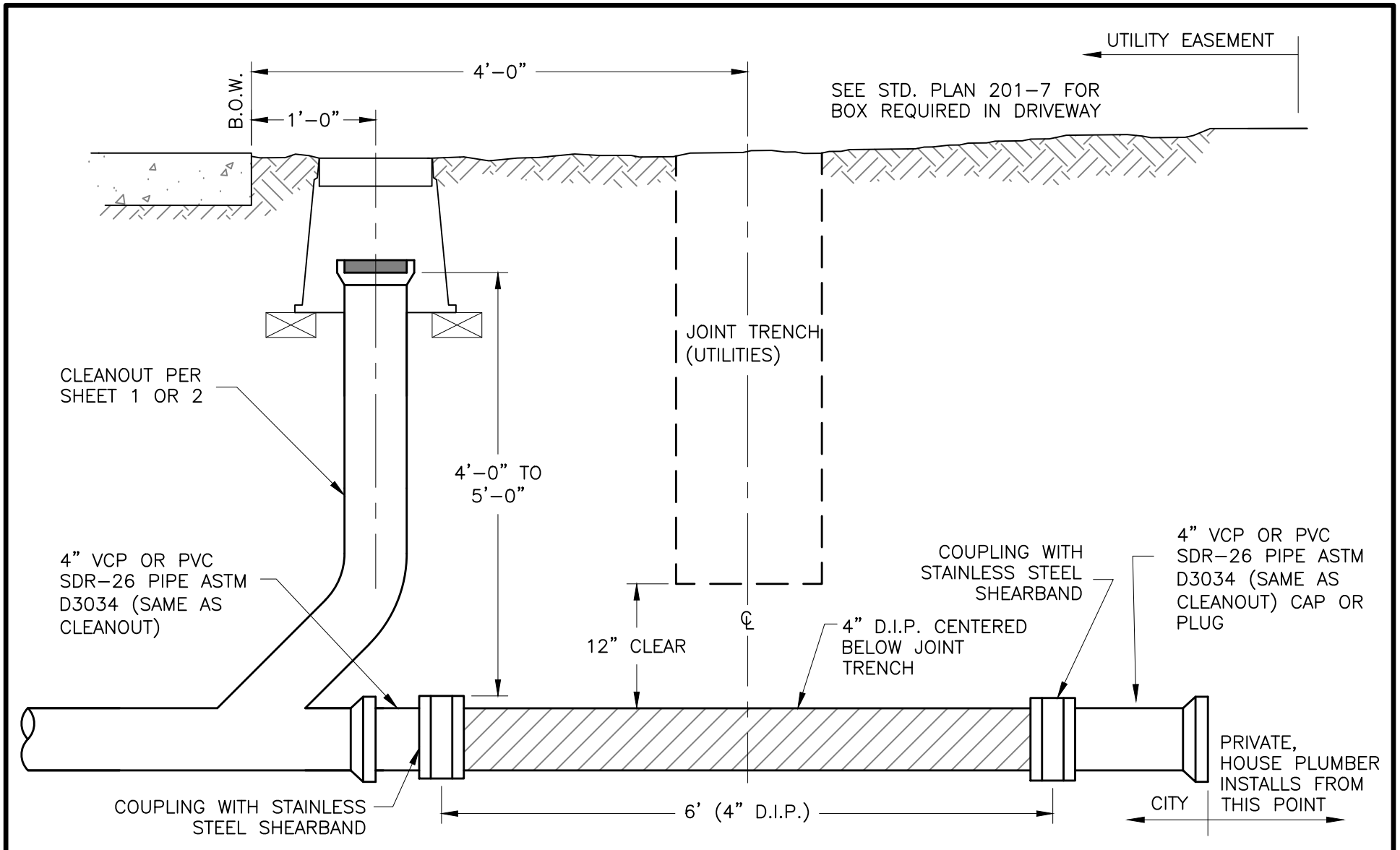
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**SANITARY SEWER SERVICE
 VCP**

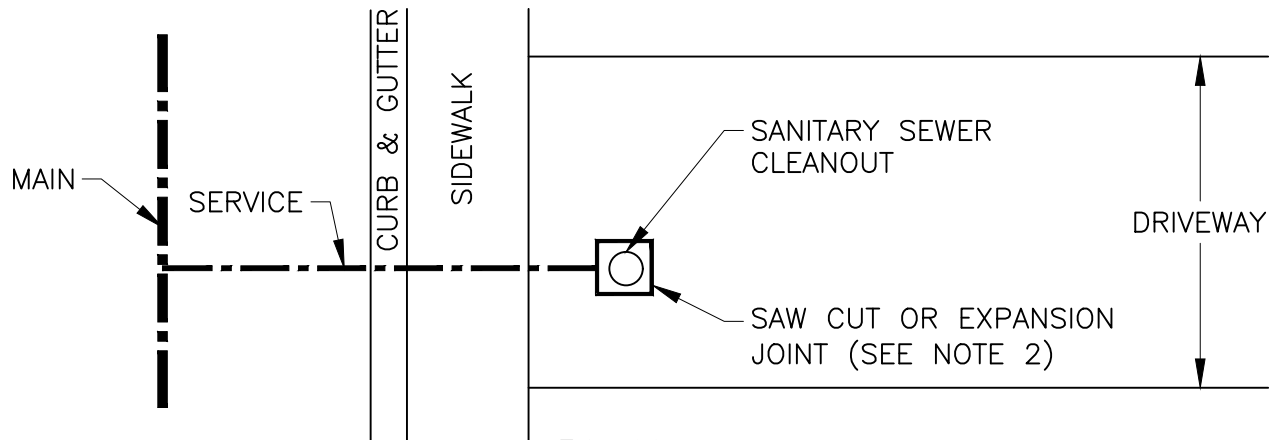
SHEET 2 OF 3

201-6

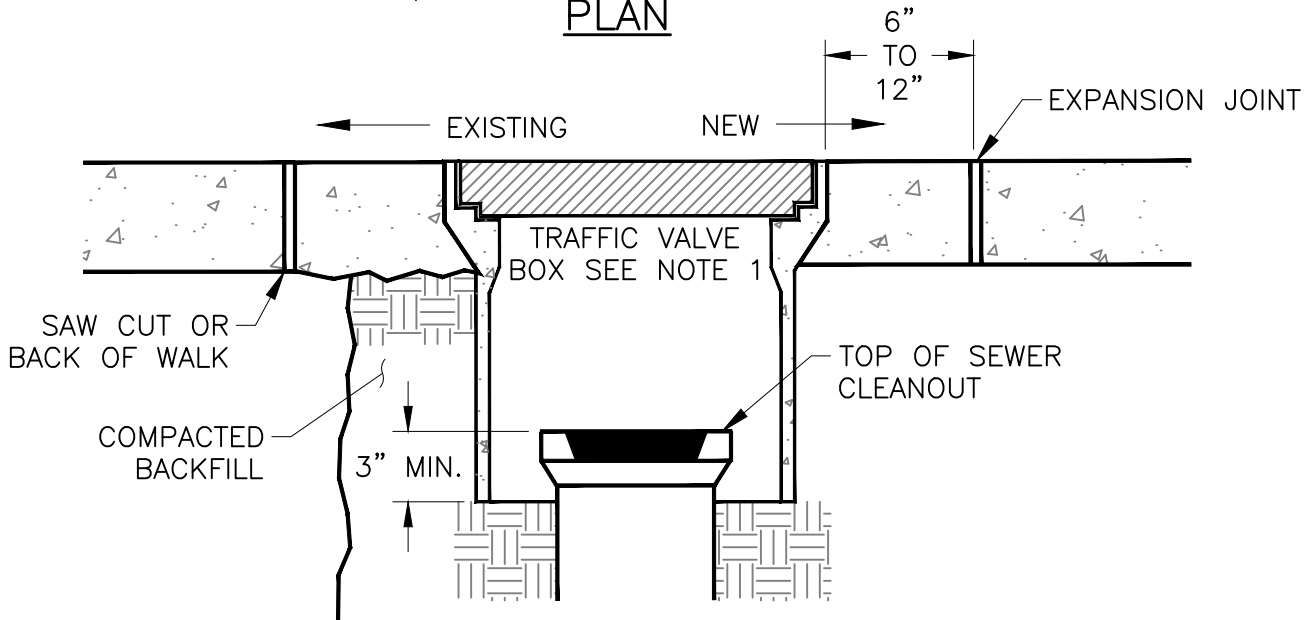


1	Changed to include SDR 26	3/21
2	Renumbered to sheet 3	3/21
Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN	
APPROVED <u>October 7, 2024</u>	
<i>Dianna R. Jensen</i>	
DIANNA R. JENSEN	
P.E. No. C-56636	
SANITARY SEWER SERVICE	
RISER DETAIL (IN LANDSCAPE AREA WHERE JOINT TRENCH IS BEHIND WALK)	
SHEET <u>3</u> OF <u>3</u>	201-6



PLAN



SECTION

NOTES:

1. TRAFFIC VALVE BOX MARKED "SEWER", CHRISTY G-5 BOX, OR APPROVED EQUAL (WITH NO KNOCKOUTS AND THE SAME INSIDE DIMENSIONS).
2. IF DRIVEWAY IS EXISTING, SAW CUT OF CONCRETE SHALL BE REQUIRED AS SHOWN.
3. CONCRETE PATCH SHALL MATCH EXISTING CONCRETE FINISH.
4. INSTALL 4" POLYCAP STOPPER IN CLEANOUT.

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

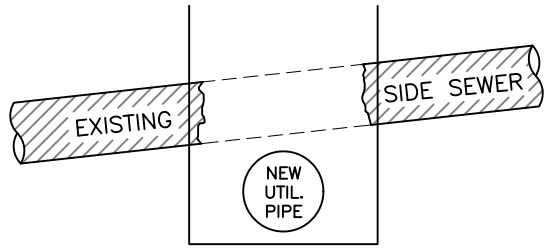
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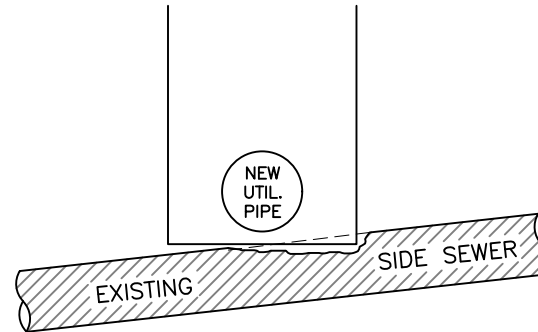
SEWER SERVICE BOX IN DRIVEWAYS

SHEET 1 OF 1

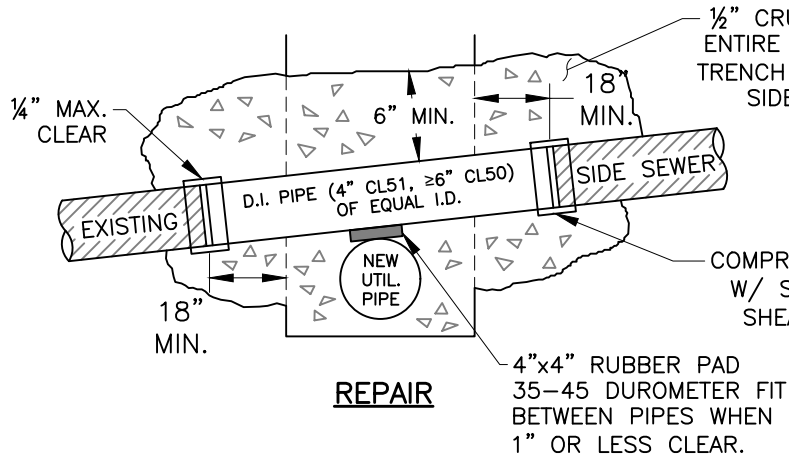
201-7



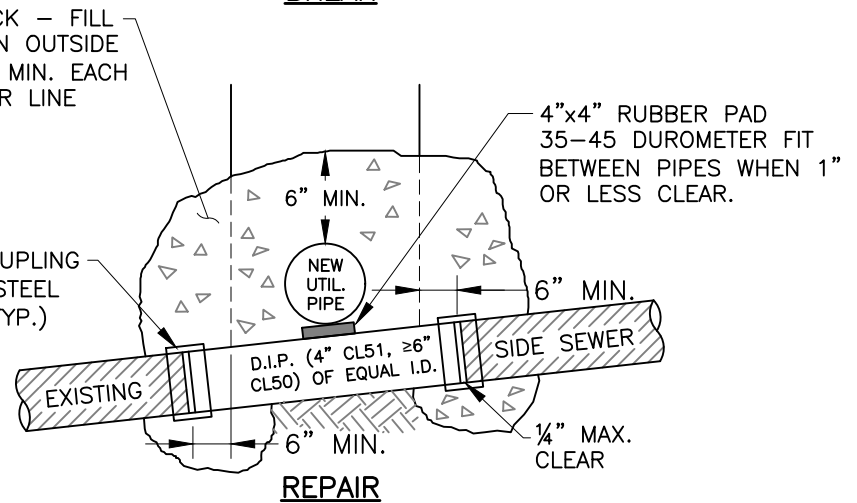
BREAK



BREAK



REPAIR



REPAIR

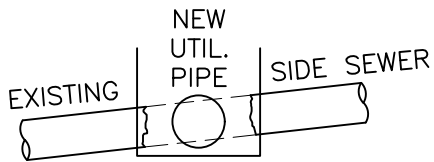
SIMPLE SIDE SEWER BREAKS – NO CONFLICT IN GRADE

NOTES:

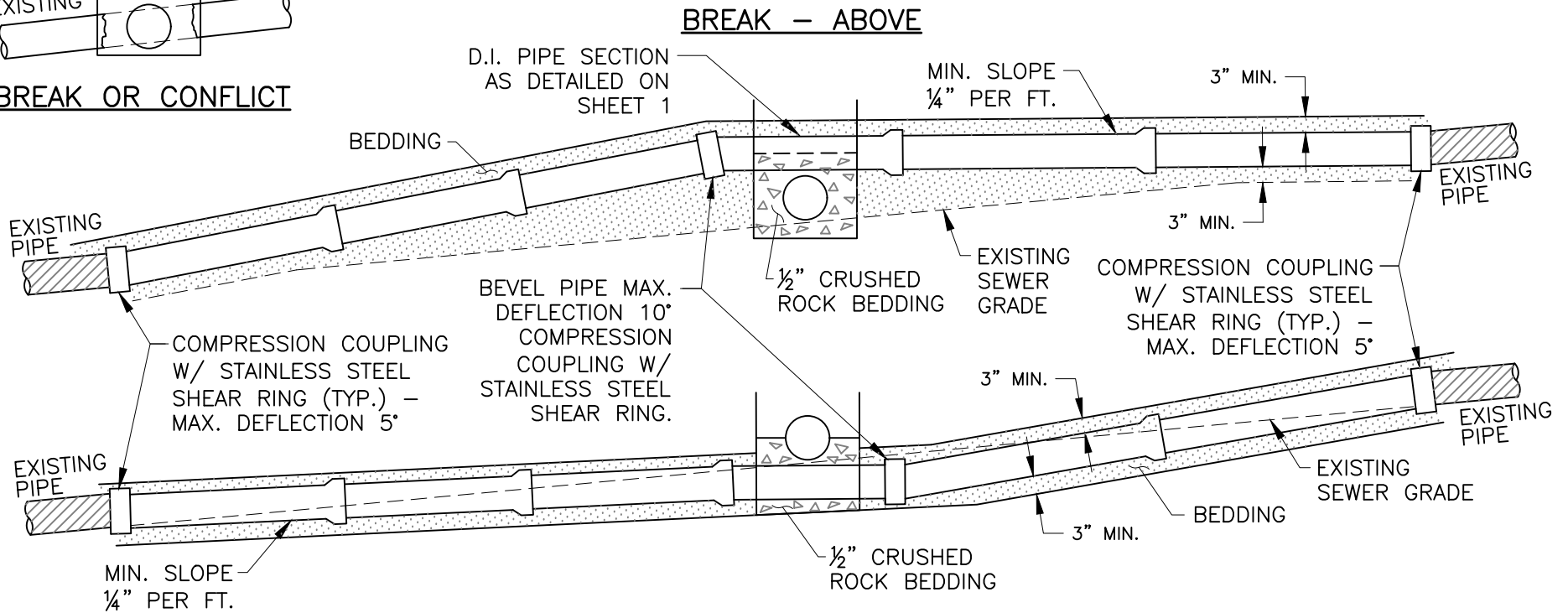
1. WHERE GRADE SEPARATION OF 12" CANNOT BE MAINTAINED.
2. PRIOR TO PERFORMING WORK OBTAIN AN ENCROACHMENT PERMIT FROM PUBLIC WORKS.
3. ALL REPAIRS SHALL BE MADE BY CITY FORCES, AT THE EXPENSE OF THOSE RESPONSIBLE FOR DAMAGE, UNLESS OTHERWISE APPROVED.

1	Added noted 2	3/21
Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN	
CROSSING OF SEWER LATERAL, NO CONFLICT IN GRADE	
APPROVED <u>October 7, 2024</u>	
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DIANNA R. JENSEN	
P.E. No. C-56636	
SHEET <u>1</u> OF <u>2</u>	201-8



BREAK OR CONFLICT



SIMPLE SIDE SEWER BREAKS – CONFLICT IN GRADE

NOTES:

1. PRIOR TO PERFORMING WORK OBTAIN AN ENCROACHMENT PERMIT FROM PUBLIC WORKS.
2. ALL REPAIRS SHALL BE MADE BY CITY FORCES, AT THE EXPENSE OF THOSE RESPONSIBLE FOR DAMAGE, UNLESS OTHERWISE APPROVED.

Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

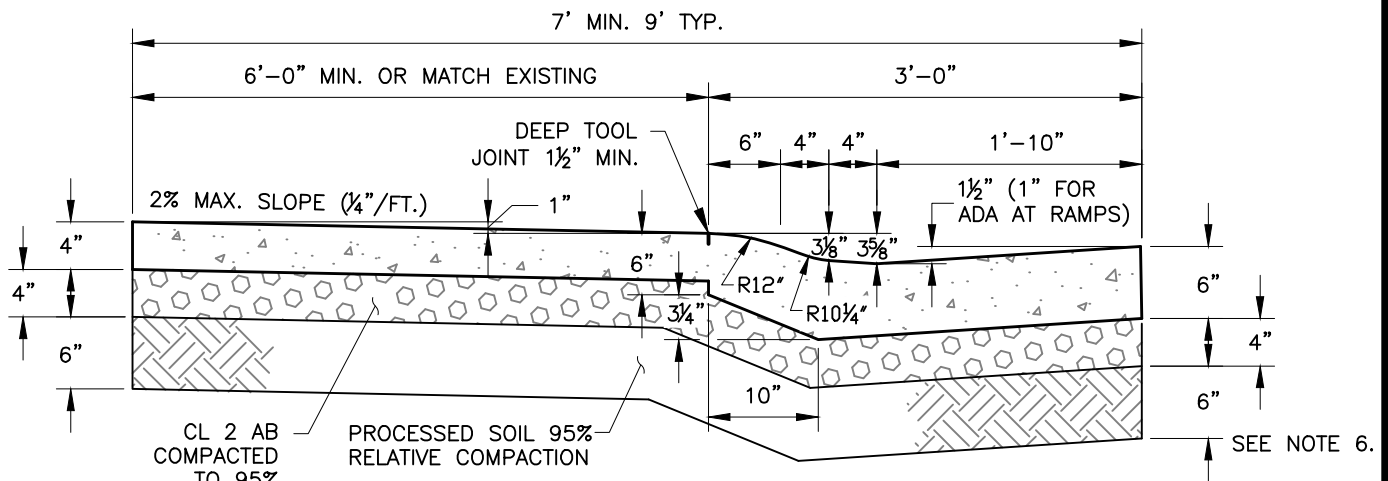
APPROVED October 7, 2024

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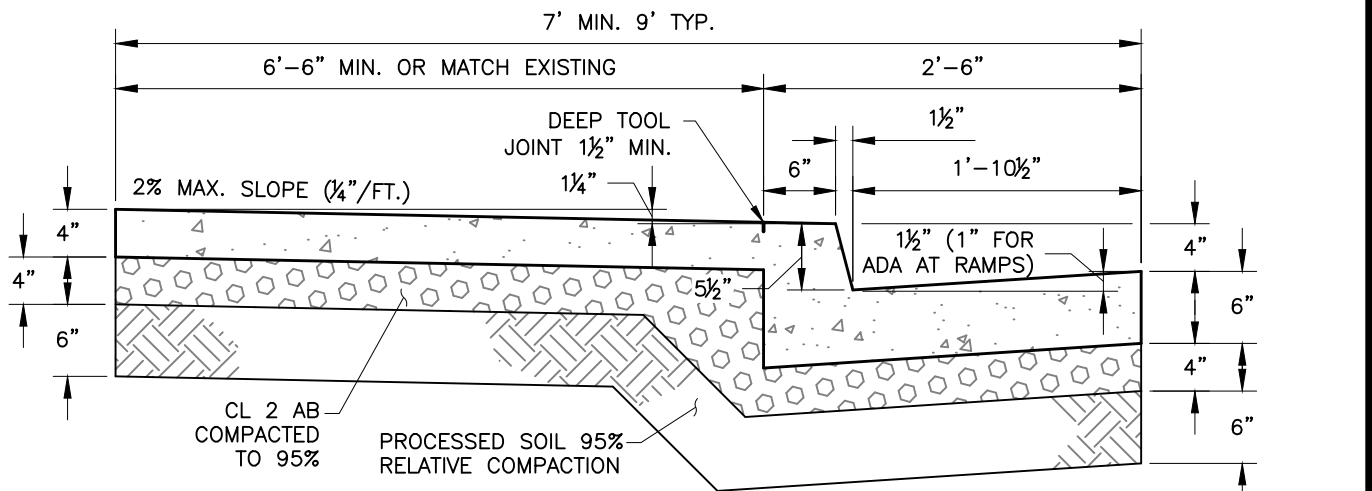
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**CROSSING OF SEWER
LATERAL WITH CONFLICT IN
GRADE**

SHEET 2 OF 2 201-8



SECTION R4-4
ROLLED CURB AND GUTTER WITH 6' SIDEWALK




SECTION V6-4.5
VERTICAL CURB AND GUTTER WITH 6'-6\"/>

NOTES:

1. PROVIDE 1/2" ROUND FILLET OR CHAMFER ON ALL EDGES.
2. SURFACE FINISH SHALL BE LIGHT DELAYED BROOMING.
3. PROVIDE COLD JOINTS OR EXPANSION JOINTS AT EACH END OF CURB RETURNS, PROVIDE DEEP TOOL JOINTS AT 12' SPACING ELSEWHERE AND AT BACK OF CURB OR BACK OF ROLL.
4. SCORE MARKS SHALL BE PLACED ACROSS THE SIDEWALK AT INTERVALS NOT TO EXCEED SIDEWALK WIDTH.
5. TRANSVERSE DEEP TOOL JOINTS SHALL BE 1/4" WIDE BY 1" OR 25% OF THICKNESS DEEP, WHICHEVER IS GREATER.
6. FOR NEW CONSTRUCTION SUBGRADE SHALL BE PROCESSED TO A DEPTH OF 12" MIN.
7. SECTIONS APPLY TO ALL WALKWAYS INSTALLED UNDER PUBLIC WORKS DIRECTION.

1	Added note 6	3/21			
Rev.	Description	Date	Rev.	Description	Date

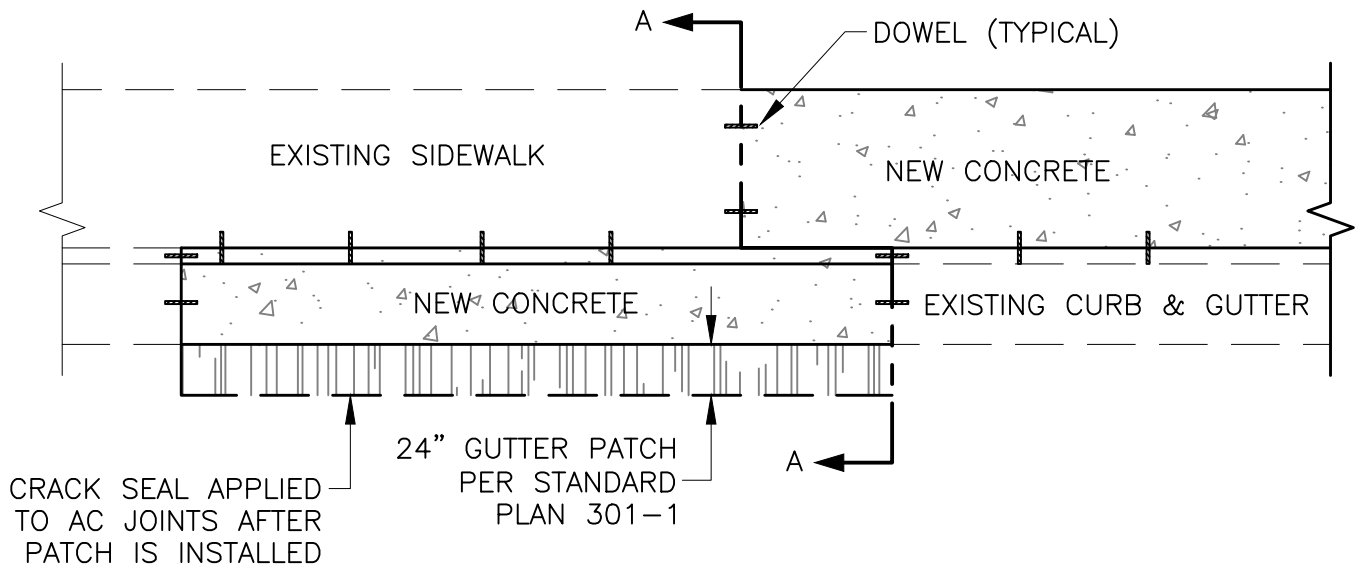
CITY OF DAVIS STANDARD PLAN

APPROVED October 7, 2024

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 P.E. No. C-56636

CURB, GUTTER, AND SIDEWALK

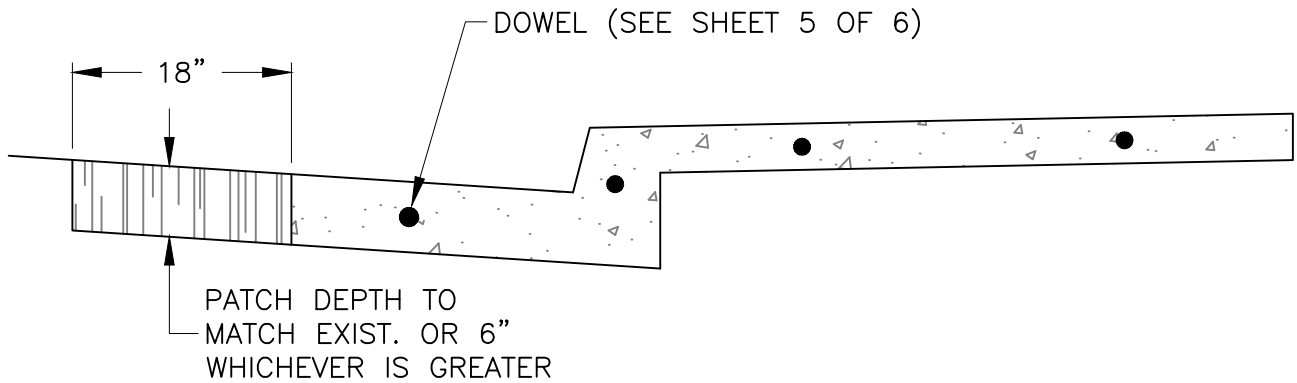
SHEET 1 OF 6

301-1



CRACK SEAL APPLIED TO AC JOINTS AFTER PATCH IS INSTALLED

24" GUTTER PATCH PER STANDARD PLAN 301-1



SECTION A-A

1	Added crack seal	3/21			
2	Modified callout	5/24			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

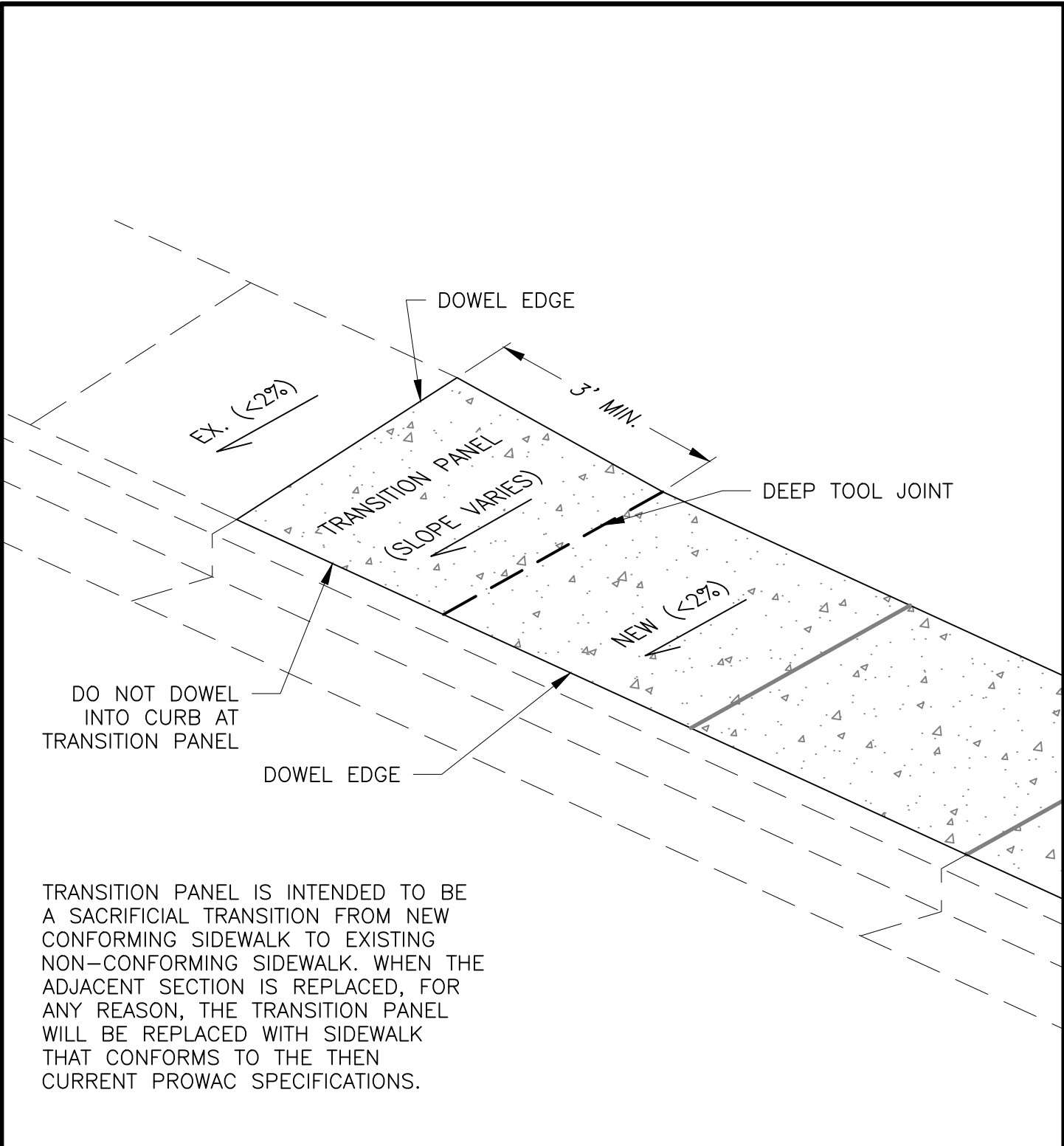
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 P.E. No. C-56636

RETROFIT CURB, GUTTER & SIDEWALK


SHEET 2 OF 6

301-1



Rev.	Description	Date	Rev.	Description	Date

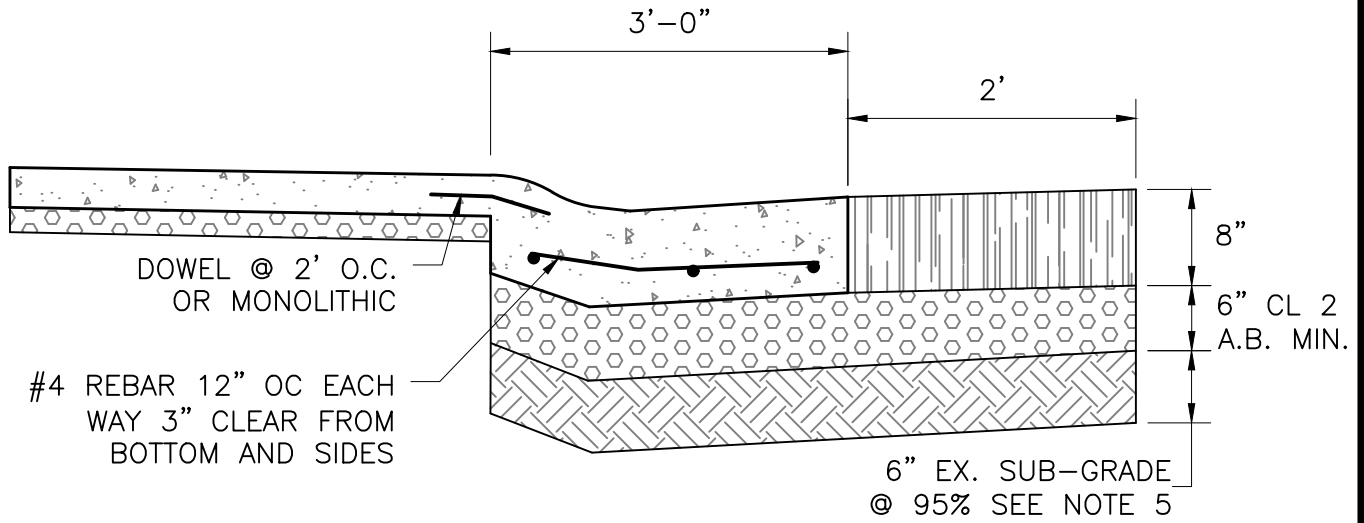
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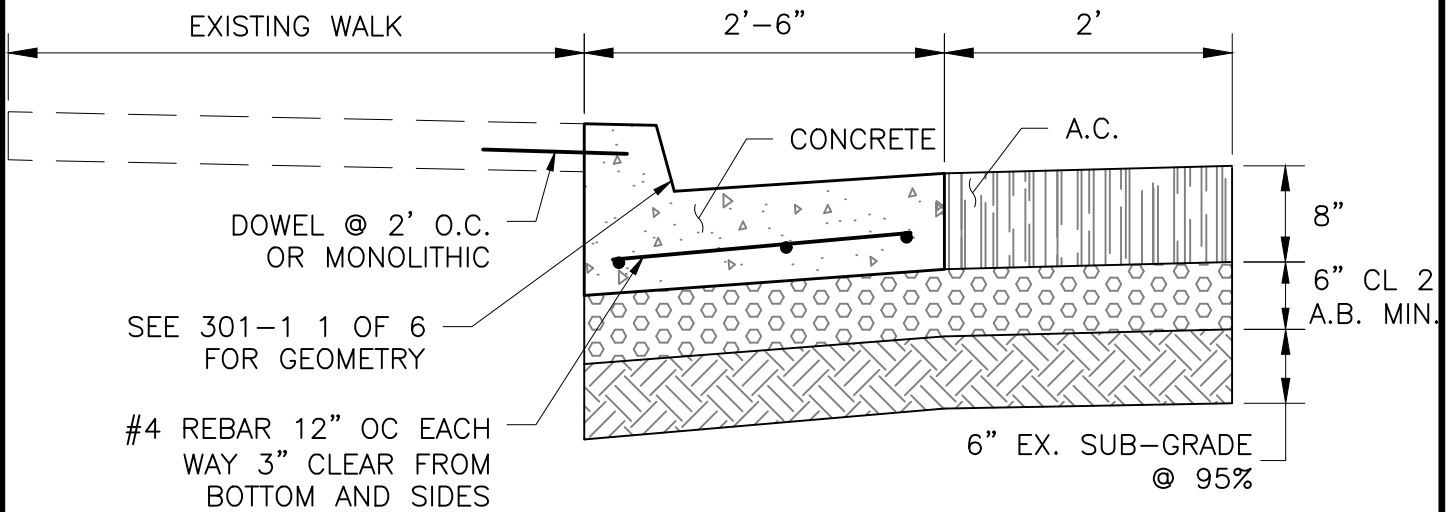
SIDEWALK TRANSITION PANEL

SHEET 3 OF 6

301-1



ROLLED CURB



VERTICAL CURB

NOTES:

1. PROVIDE 1/2" ROUND FILLET ON ALL EDGES.
2. SURFACE FINISH SHALL BE LIGHT BROOM.
3. PROVIDE DEEP TOOL JOINTS @ 12' SPACING AND AT BACK OF CURB OR BACK OF ROLL.
4. TRANSVERSE DEEP TOOL JOINTS SHALL BE 1/4" WIDE BY 1 1/2" DEEP.
5. FOR NEW CONSTRUCTION SUBGRADE SHALL BE PROCESSED TO A DEPTH OF 12" MIN.

1	Added note 5	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

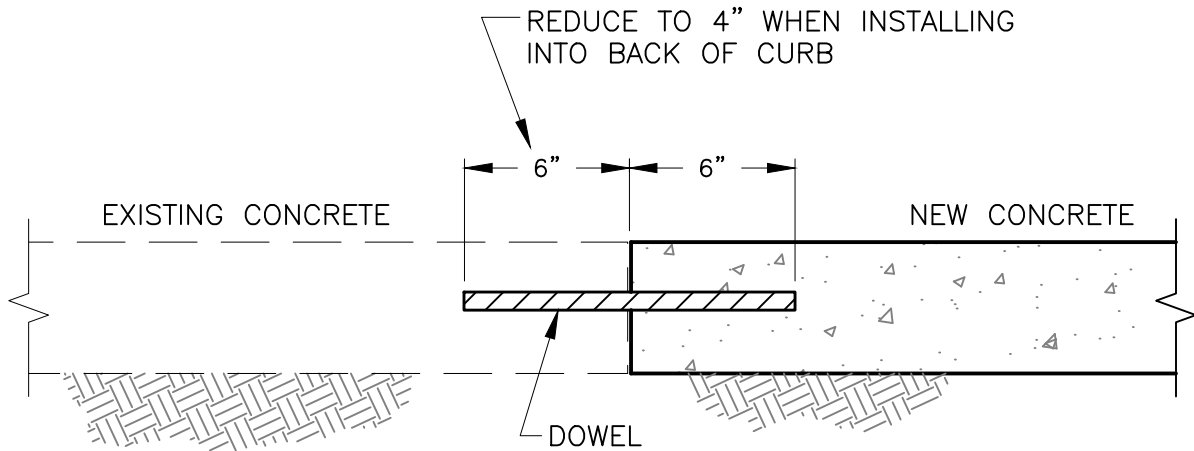
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**CURB AND THICK GUTTER
 AT BUS STOPS**

SHEET 4 OF 6

301-1



NOTES:

1. USE AS SPECIFIED.
2. SLABS 4½" OR MORE IN THICKNESS USE #4 REBAR.
3. SLABS 4" OR LESS IN THICKNESS USE #3 REBAR.
4. DRILL HOLE AND EPOXY BAR IN EXISTING CONCRETE.
5. MINIMUM OF 2 DOWELS IN 4' WALK, OTHERWISE @ 4' CENTERS.

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

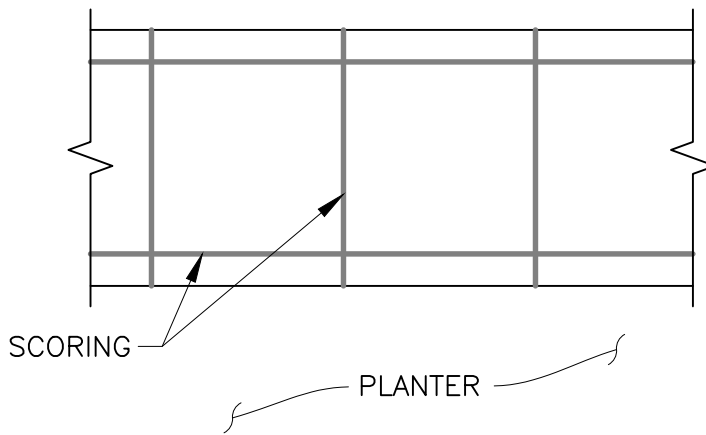
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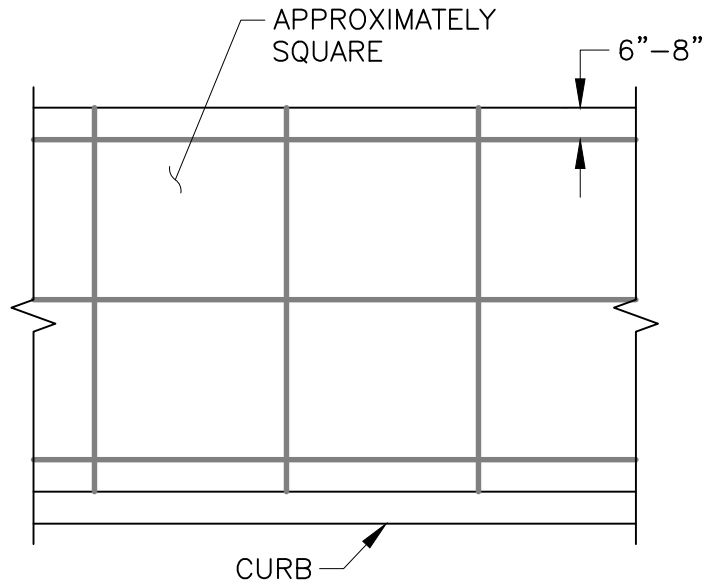
CONCRETE SLAB DOWEL DETAIL

SHEET 5 OF 6

301-1



HISTORIC SCORING



WINDOW PANE SCORING

NOTES:

1. THESE PATTERNS SHALL BE PLACED FROM FIRST STREET TO SEVENTH STREET AND A STREET TO L STREET
2. CONCRETE SHALL BE 6 SACK CLASS A CONCRETE WITH 1.5 LBS LAMPBLACK PER CUBIC YARD.

1	Added notes	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

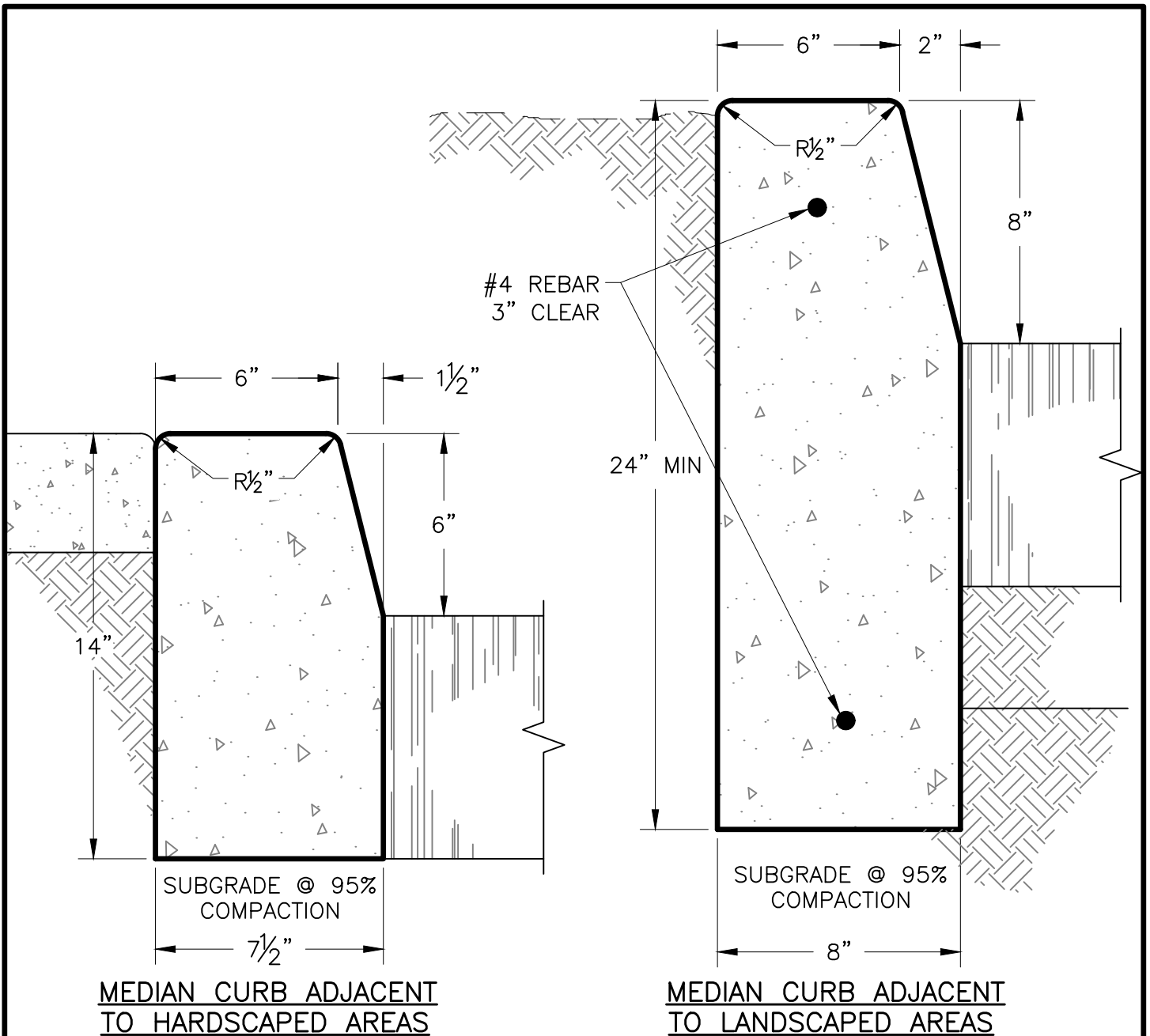
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**HISTORIC OR WINDOW PANE
 SCORING PATTERN**

SHEET 6 OF 6

301-1



NOTE:

1. PROVIDE DEEP TOOL TROWEL JOINTS AT 12' SPACING. JOINTS SHALL BE CONTINUOUS FRONT FACE, TOP & BACK OF CURB.
2. MEDIAN CURB ADJACENT TO LANDSCAPED AREA SHALL EXTEND 4" INTO SUBGRADE.

1	Added note 1	3/21	1	changed depth	3/21
1	Added rebar	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

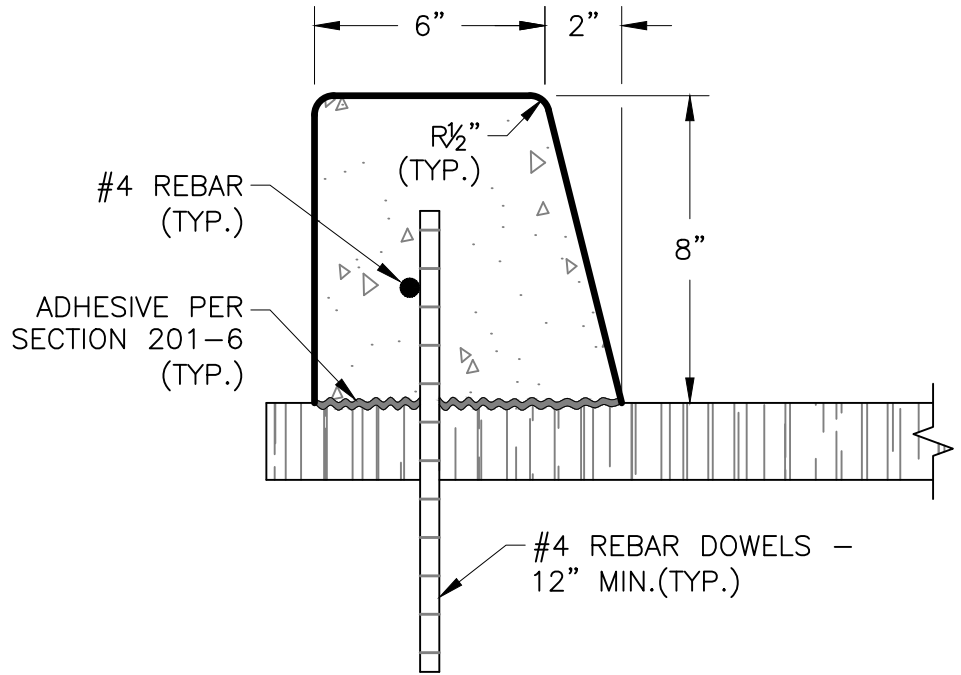
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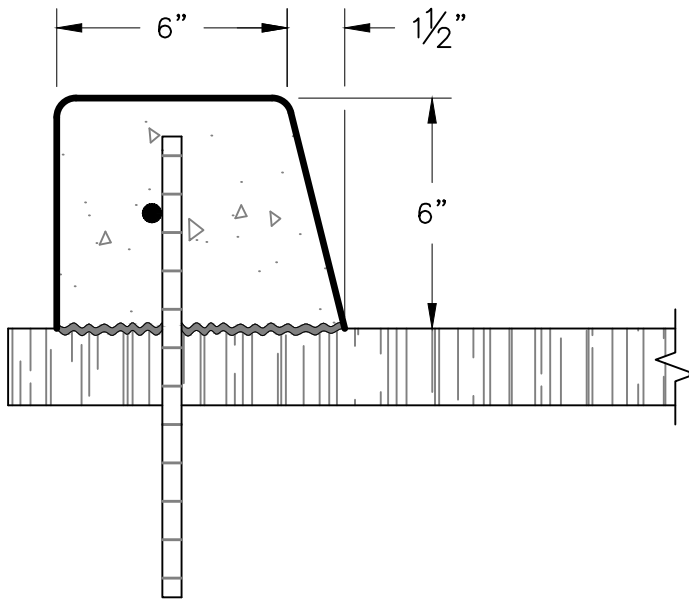
STANDARD BARRIER CURB

SHEET 1 OF 2

301-2



8" CURB



6" CURB

NOTE:

1 TO BE USED ONLY UNDER SPECIFIC AUTHORIZATION OF CITY ENGINEER.

2 PROVIDE DEEP TOOL TROWEL JOINTS AT 12' SPACING. JOINTS SHALL BE CONTINUOUS FRONT FACE, TOP & BACK OF CURB.

1	Added note 1	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

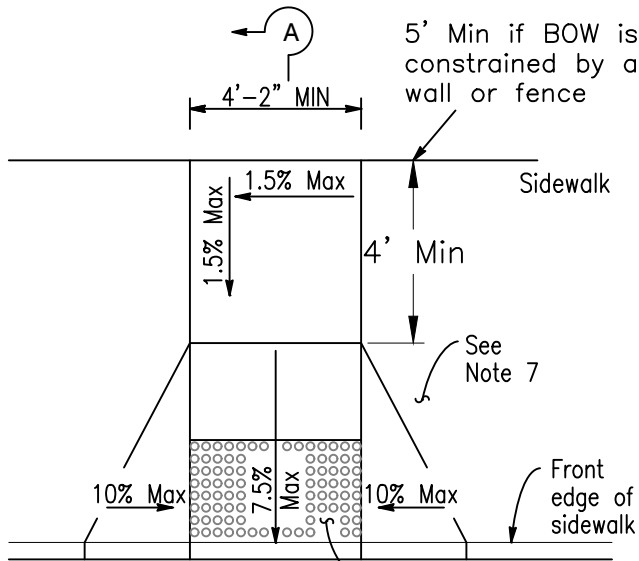
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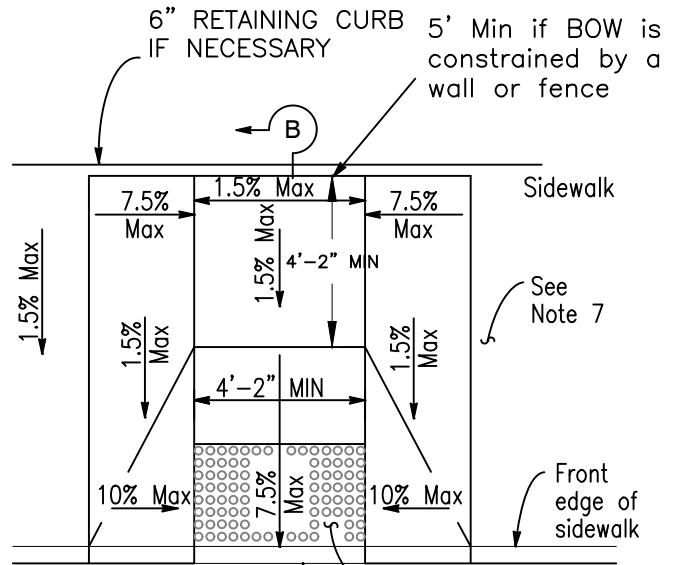
EXTRUDED BARRIER CURB

SHEET 2 OF 2

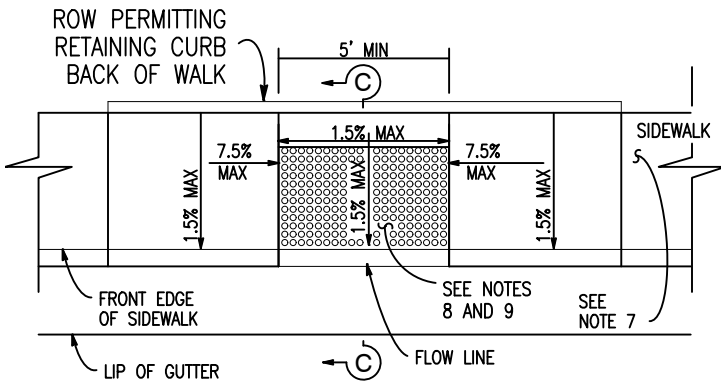
301-2



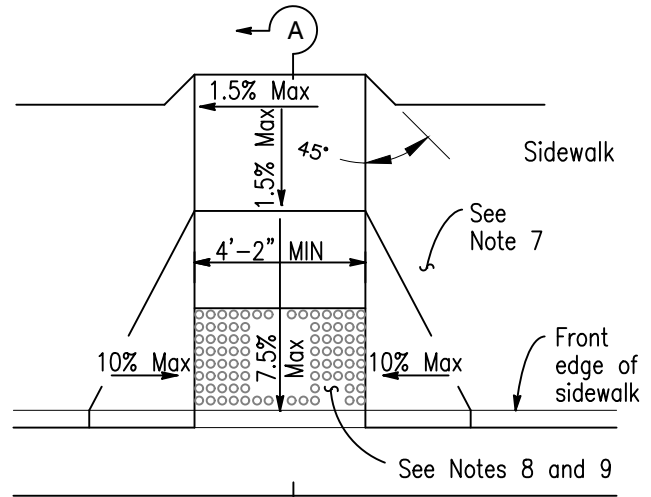
CASE A



CASE B



CASE C



CASE D

1	New sheet	3/21			
Rev.	Description	Date	Rev.	Description	Date

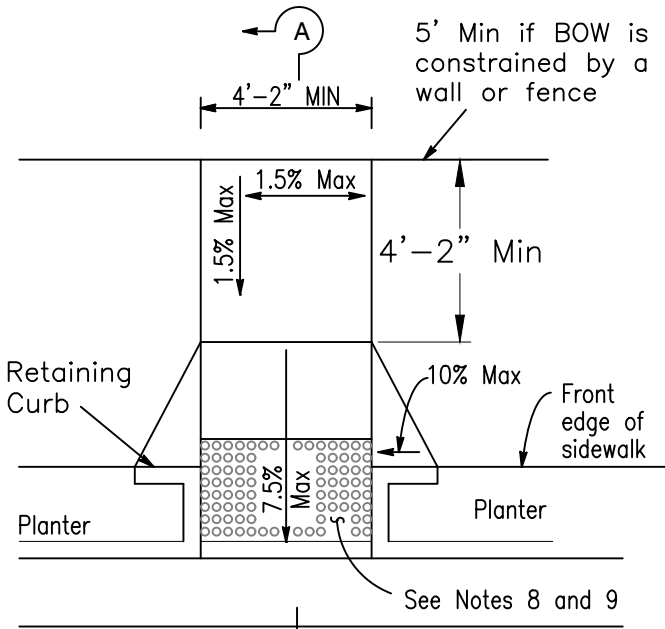
CITY OF DAVIS STANDARD PLAN

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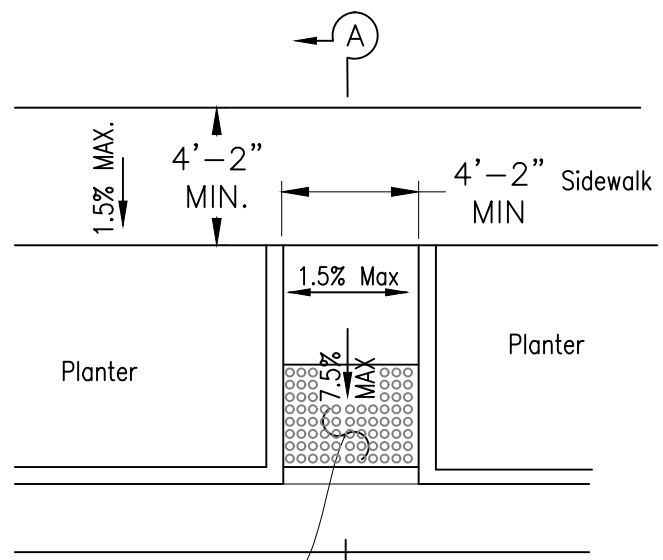
CURB RAMP DETAILS

SHEET 1 OF 5

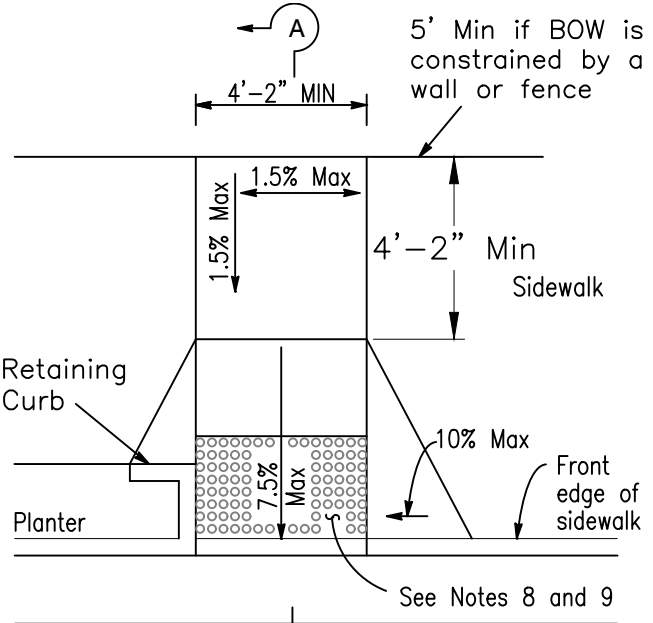
301-3



CASE E



CASE F



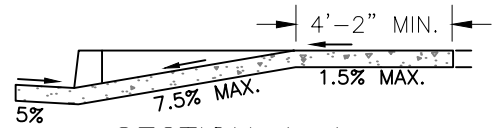
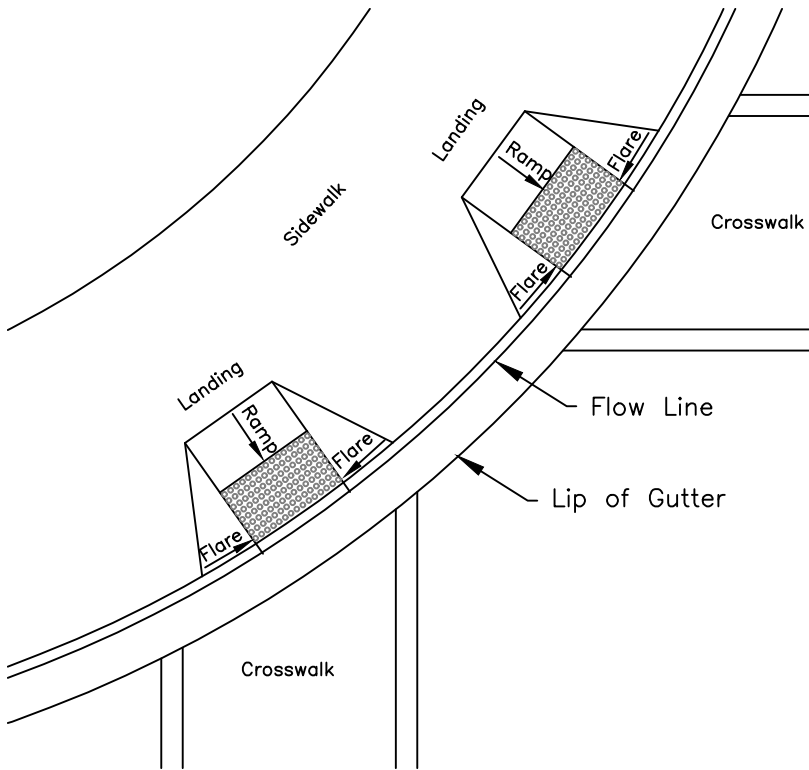
CASE G

1	New sheet	3/21			
Rev.	Description	Date	Rev.	Description	Date

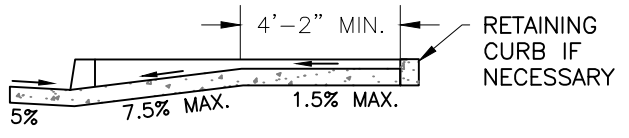
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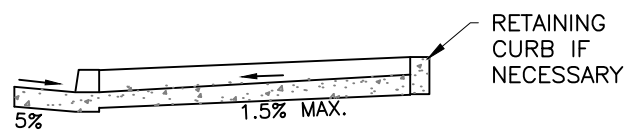
CURB RAMP DETAILS



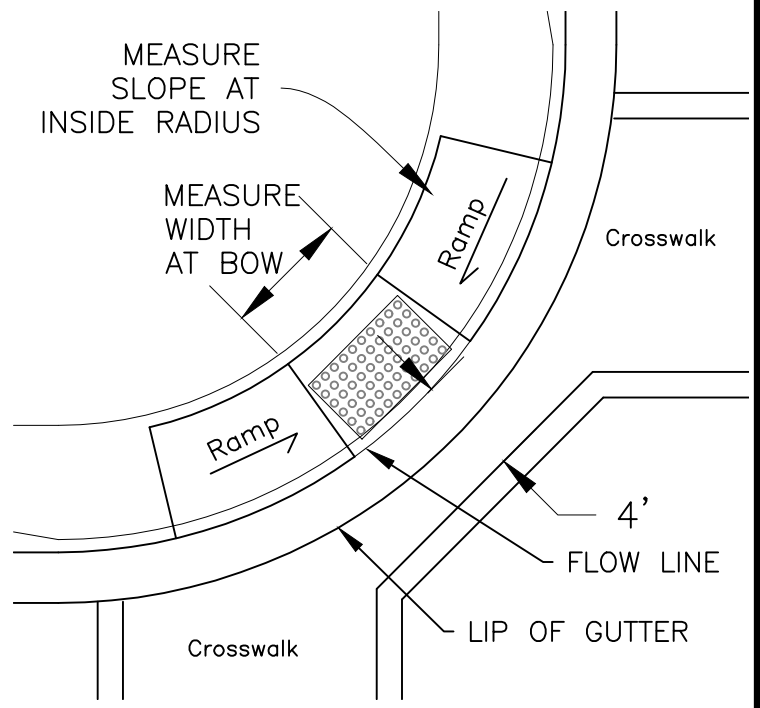
SECTION A-A



SECTION B-B



SECTION C-C



1	New sheet	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

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**CURB RAMP DETAILS
 AND SECTIONS**


SHEET 3 OF 5

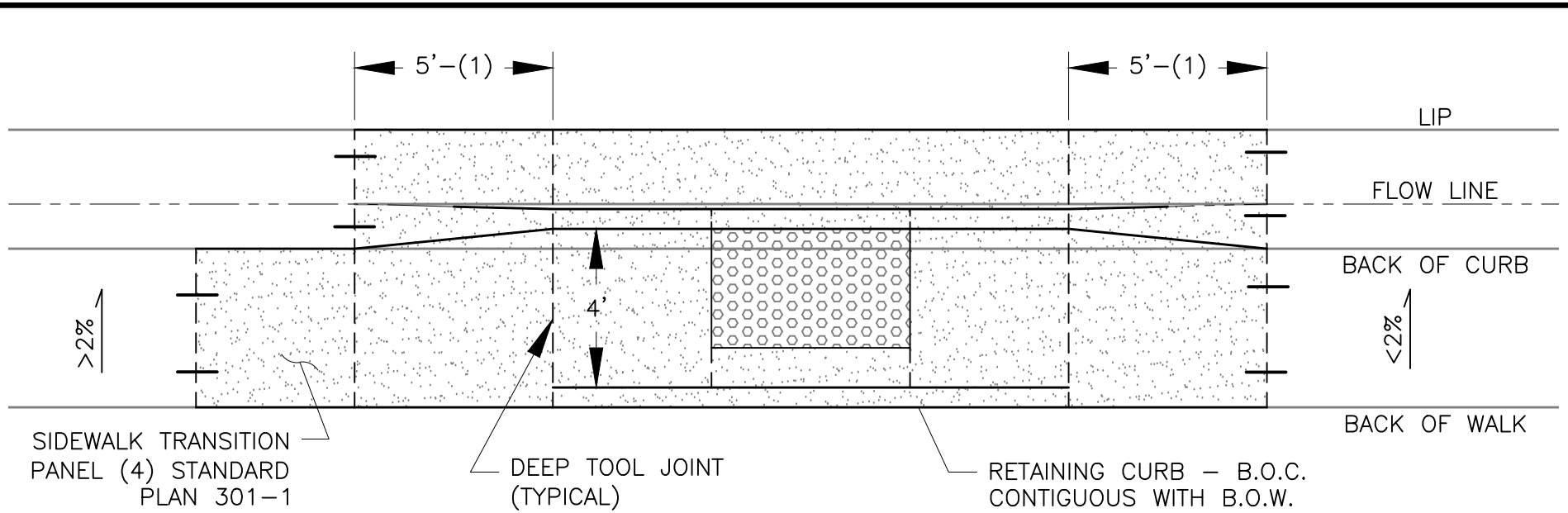
301-3

1. AS SITE CONDITIONS DICTATE, CASE A THROUGH CASE G CURB RAMPS MAY BE USED FOR CORNER INSTALLATIONS SIMILAR TO THOSE SHOWN IN DETAIL A AND DETAIL B. THE CASE OF CURB RAMPS USED IN DETAIL A DO NOT HAVE TO BE THE SAME. CASE A THROUGH CASE G CURB RAMPS ALSO MAY BE USED AT MID BLOCK LOCATIONS, AS SITE CONDITIONS DICTATE. FOR CASES B AND C, THE SIDE OF THE CURB RAMP SHOULD ALWAYS BE PERPENDICULAR TO CURB FACE.
2. IF DISTANCE FROM CURB TO BACK OF SIDEWALK IS TOO SHORT TO ACCOMMODATE RAMP AND 4' PLATFORM (LANDING) AS SHOWN IN CASE A, THE SIDEWALK MAY BE DEPRESSED LONGITUDINALLY AS IN CASE B, OR C OR MAY BE WIDENED AS IN CASE D.
3. WHEN RAMP IS LOCATED IN CENTER OF CURB RETURN, CROSSWALK CONFIGURATION MUST BE SIMILAR TO THAT SHOWN FOR DETAIL B.
4. IF LOCATED ON A CURVE, THE SIDES OF THE RAMP NEED NOT BE PARALLEL, BUT THE MINIMUM WIDTH OF THE RAMP SHALL BE THE WIDTH INDICATED.
5. SIDE SLOPE OF RAMP FLARES VARY UNIFORMLY FROM A MAXIMUM OF 10% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP, EXCEPT IN CASE C, CASE F AND CASE G.
6. TRANSITIONS FROM RAMPS AND LANDINGS TO WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
7. MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 5% WITHIN NOR BE LESS THAN 4% WITHIN 2' OF THE BOTTOM OF THE RAMP.
8. CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH OF THE RAMP AND 3' IN DEPTH. DETECTABLE WARNING SURFACES SHALL CONFORM TO ADA REQUIREMENTS, COLOR SHALL BE BLACK UNLESS OTHERWISE INDICATED ON PLANS.
9. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOWLINE.
10. STRUCTURAL SECTION SHALL CONFORM TO 301-1.
11. UTILITY PULL BOXES, MANHOLES, VAULTS AND ALL OTHER UTILITY FACILITIES WITHIN THE BOUNDARIES OF THE CURB RAMP WILL BE RELOCATED OR ADJUSTED TO GRADE BY THE OWNER PRIOR TO, OR IN CONJUNCTION WITH, CURB RAMP CONSTRUCTION.
12. FOR RETROFIT CONDITIONS, REMOVAL AND REPLACEMENT OF GUTTER PAN AND 24" OF AC PAVEMENT IS REQUIRED.
13. SLOPE OF GUTTER FLOWLINE SHALL BE 0.5% OR GREATER.

1	New sheet	3/21		CONFORM TO CALTRANS STD PLAN	3/06
				CONFORM TO CALTRANS STD PLAN	5/98
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

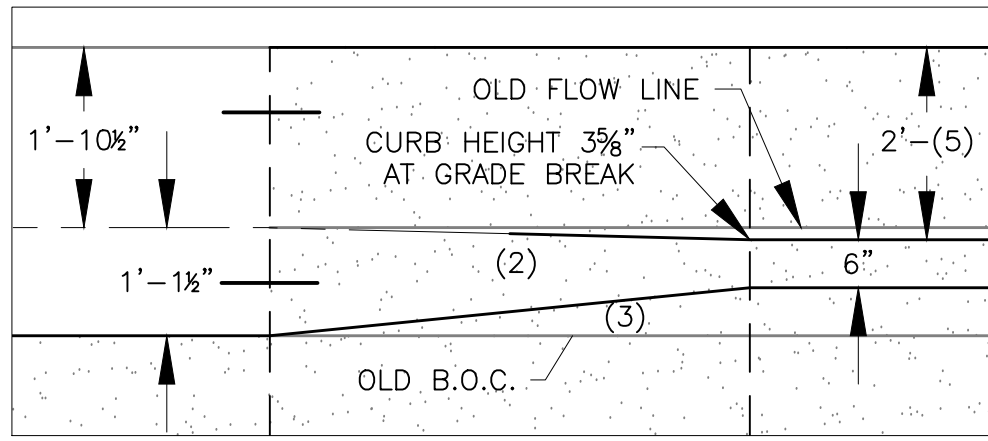
APPROVED <u>October 7</u> 2024  DIANA R. JENSEN P.E. No. C-56636	<h1 style="margin: 0;">CURB RAMP NOTES</h1>
SHEET <u>4</u> OF <u>5</u>	301-3



SIDEWALK TRANSITION
 PANEL (4) STANDARD
 PLAN 301-1

DEEP TOOL JOINT
 (TYPICAL)

RETAINING CURB - B.O.C.
 CONTIGUOUS WITH B.O.W.



CURB TRANSITION DETAIL

NOTES:

1. TRANSITION FROM ROLL CURB TO 3 5/8" HIGH VERTICAL CURB.
2. IN THE TRANSITION, THE FLOW LINE MOVES FROM 1'-10 1/2" FROM LIP TO 2' FROM LIP.
3. B.O.C. MOVES 6" TOWARD THE LIP.
4. WHERE EXISTING SIDEWALK HAS CROSS SLOPE GREATER THAN 2%, A TRANSITION PANEL SHALL BE CONSTRUCTED.
5. RAMP SHALL CONFORM TO 301-3 SHT 1.

1	Renumbered to sheet 5	3/21
Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

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**CASE C RAMP RETROFIT WHERE
 R.O.W. IS AT B.O.W. WITH ROLL CURB**

SHEET 5 OF 5 301-3

STANDARD DRIVEWAY DETAILS

CONSTRUCTION STANDARDS

SUBGRADE: COMPACTED TO 95% RELATIVE COMPACTION FOR A DEPTH OF 6", AND PLACE MINIMUM 6" OF ¾" AGGREGATE BASE AS SHOWN.

CONCRETE & FINISH: CONCRETE PER CITY OF DAVIS STANDARD SPECIFICATIONS. STEEL TROWEL WITH LIGHT BROOM FINISH. - 7 DAY MINIMUM CURE PRIOR TO USAGE.

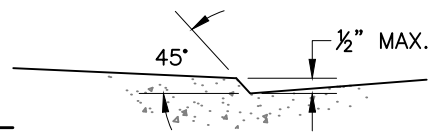
DRIVEWAY TYPES

<u>DRIVEWAY</u>	<u>USAGE</u>
LIGHT	2 DWELLING UNITS OR LESS
MEDIUM	3 TO 20 DWELLINGS, MOST COMMERCIAL DRIVEWAYS
HEAVY	21 DWELLINGS OR MORE, INDUSTRIAL, SHOPPING CENTERS, SERVICE STATIONS, ETC.

DESIGN STANDARDS

1. DRIVEWAYS SHALL NOT BE CONSTRUCTED WITHIN 4' OF ANY STREET CROSSWALK OR CURB RETURN.
2. ANY EXISTING DRIVEWAYS WITHIN PROJECT AREA VIOLATING ANY PROVISIONS OF ARTICLE II, SECTIONS 24-6 THRU 24-14 SHALL BE ALTERED TO CONFORM TO CITY OF DAVIS CODE, SECTION 24-14.
3. WHERE THERE ARE TWO OR MORE DRIVEWAYS ON THE SAME PROPERTY, THERE SHALL BE AN ISLAND BETWEEN THE DRIVEWAYS.
4. SLOPE FROM GUTTER FLOW LINE TO FRONT EDGE OF SIDEWALK SHALL NOT EXCEED 8.33% (1"/FT.). DESIGNER SHOULD REVIEW CROWN OF STREET RELATING TO THE NEW DRIVEWAY AND MODIFY (LESSEN SLOPE) WHERE VEHICLES MAY BOTTOM OUT.
5. TO DETERMINE REQUIRED SLOPES REFER TO HANDICAP RAMP STANDARD (301-3).

LIP DETAIL



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CITY OF DAVIS STANDARD PLAN

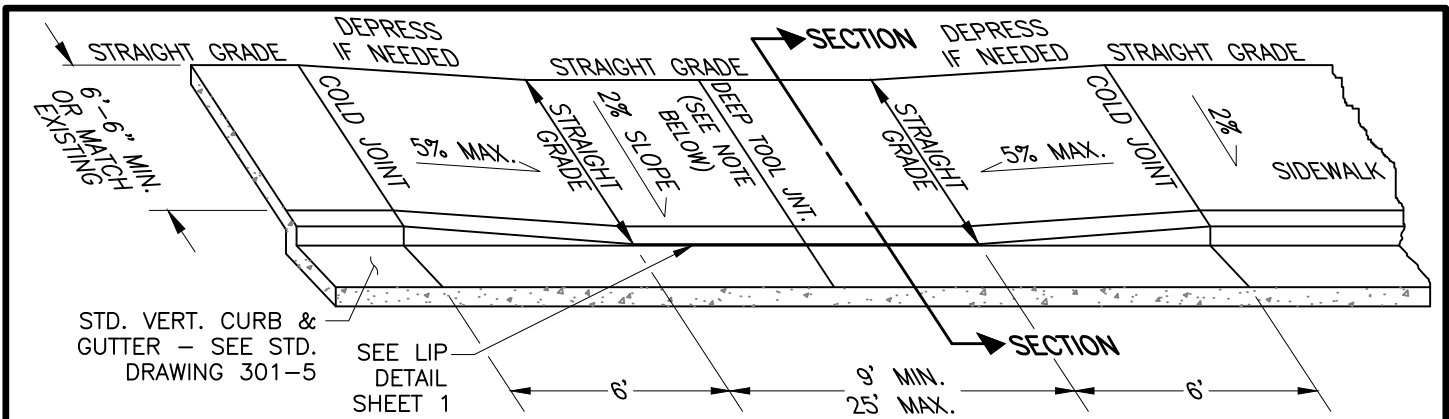
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STANDARD DRIVEWAY DETAILS - NOTES AND LIP DETAIL

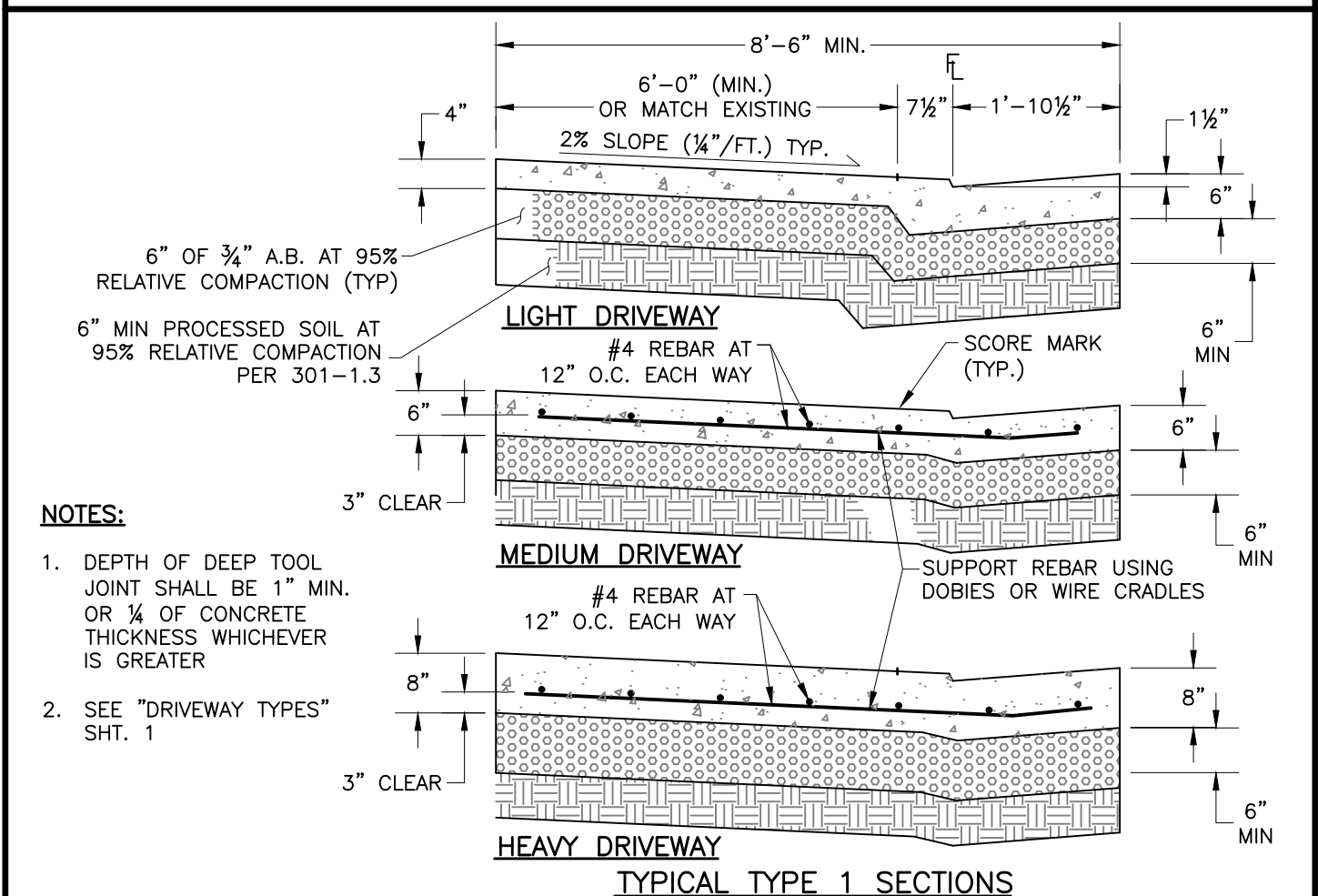
SHEET 1 OF 4

301-4



ALTERNATE TO DEPRESSING SIDEWALK:
ROUTE SIDEWALK AROUND DRIVEWAY & DEDICATE AN EASEMENT.

STANDARD TYPE 1 DRIVEWAY



NOTES:

1. DEPTH OF DEEP TOOL JOINT SHALL BE 1" MIN. OR 1/4 OF CONCRETE THICKNESS WHICHEVER IS GREATER
2. SEE "DRIVEWAY TYPES" SHT. 1

1	Changed compaction to 95%	3/21			
1	Changed depth of AB to 6"	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

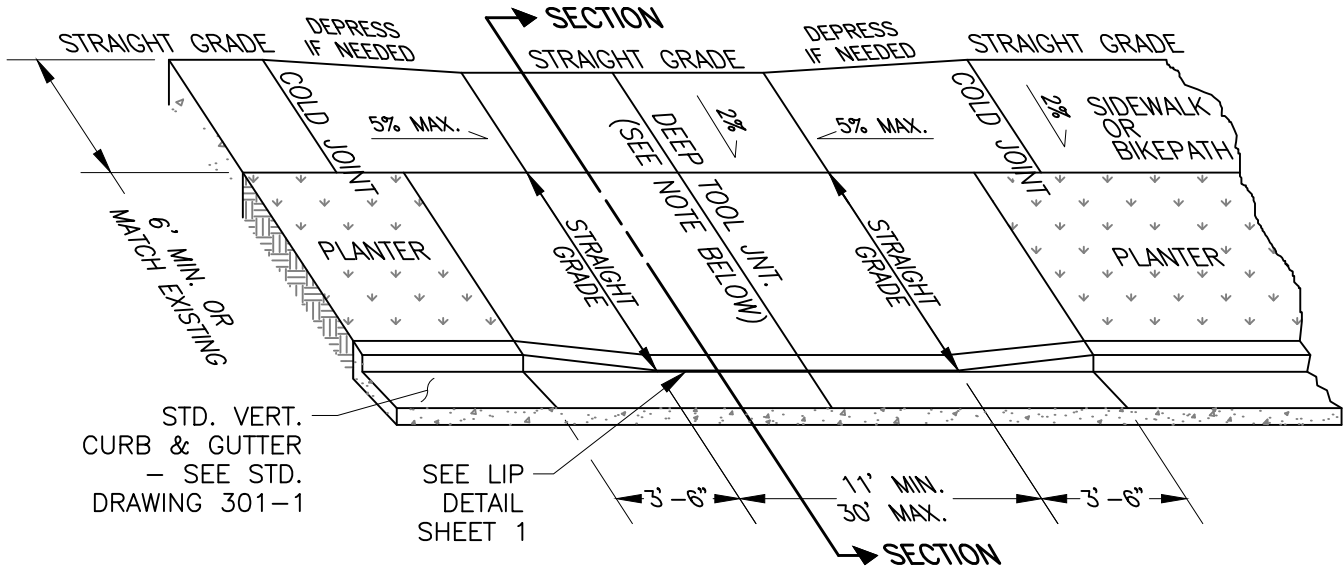
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STANDARD DRIVEWAY DETAILS - TYPE 1 DRIVEWAY

SHEET 2 OF 4

301-4

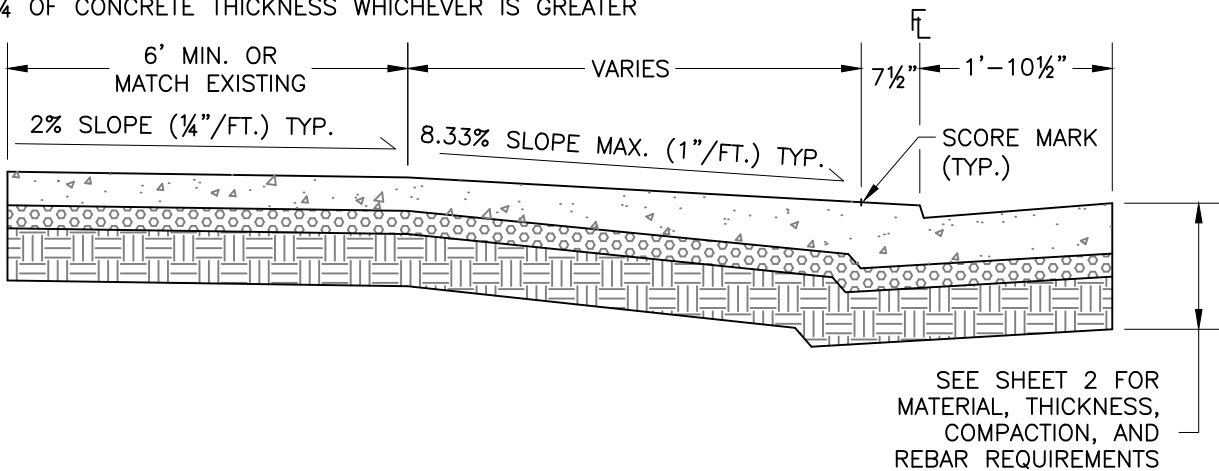


DESIGN ON-SITE DRIVEWAY SLOPE A MINIMUM OF 0.6' ABOVE GUTTER FLOW LINE.
 DESIGN SHOULD PREVENT STREET DRAINAGE GOING ON-SITE.

STANDARD TYPE 2 DRIVEWAY

NOTE:

DEPTH OF DEEP TOOL JOINT SHALL BE 1" MIN. OR 1/4 OF CONCRETE THICKNESS WHICHEVER IS GREATER



TYPICAL TYPE 2 SECTIONS

1	Updated callout for std drawing	4/23			
Rev.	Description	Date	Rev.	Description	Date

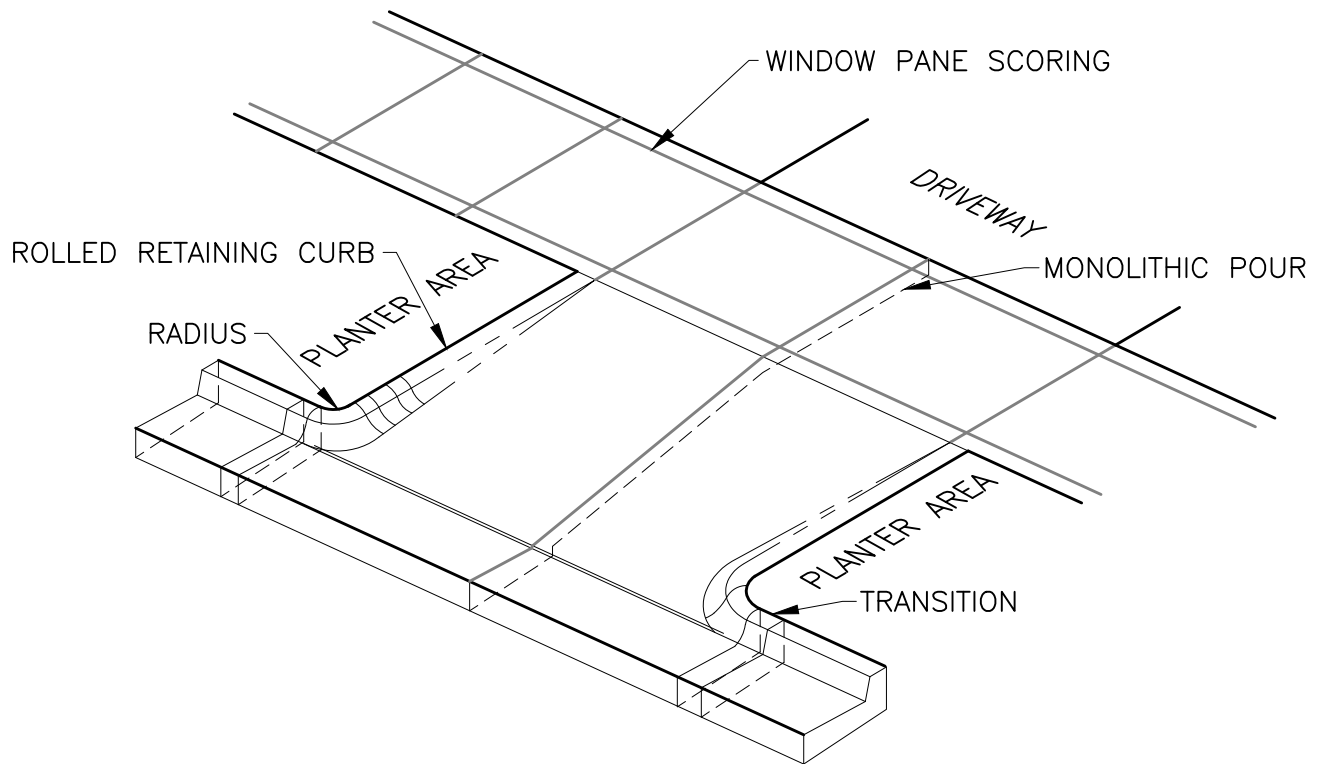
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**STANDARD DRIVEWAY DETAILS -
 TYPE 2 DRIVEWAY**

SHEET 3 OF 4

301-4



THERE IS ROOM FOR STYLE VARIATION IN THIS DESIGN.

CONSTANTS ARE:

1. ROLLED RETAINING CURBS.
2. RADIUS AT STREET CURB, R=4".
3. TRANSITION FROM ROLLED TO VERTICAL CURB ON THE STRAIGHT.
4. MONOLITHIC POUR LIP OF GUTTER TO BACK OF WALK.
5. WINDOW PANE SCORING.

NOTE:

STRUCTURAL SECTION AND OTHER CONSTRUCTION DETAILS SHALL CONFORM TO SHEET 3 "TYPE 2 DRIVEWAY"

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

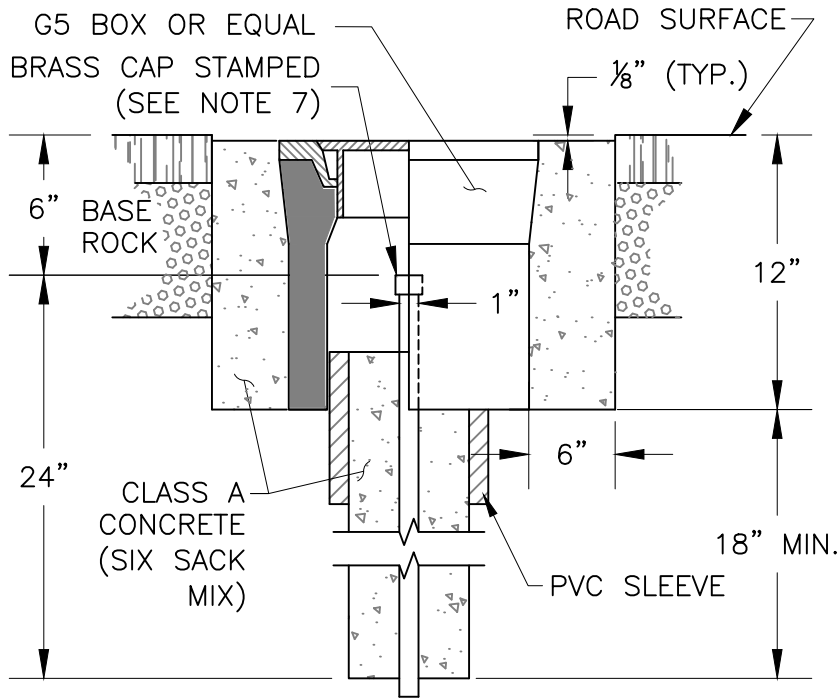
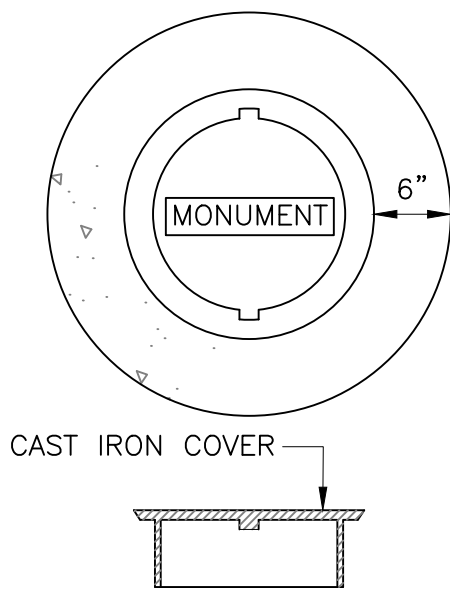
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**STANDARD DRIVEWAY DETAILS -
 TRANSITION DRIVEWAY**

SHEET 4 OF 4

301-4



NOTES:

1. PRECAST TRAFFIC VALVE BOX SHALL BE OLDCASTLE PRECAST CHRISTY G05T BOX.
2. MONUMENT PIPE TO BE 1" GALV. STEEL WITH BRASS CAP (OR APPROVED ALTERNATE). 2' MINIMUM LENGTH. PIPE TO BE DRIVEN INTO GROUND.
3. THE SLEEVE SHALL BE 6" DIAMETER PVC PIPE 12" LONG. THE SLEEVE SHALL FIT SUCH THAT THE PRECAST BOX CAN SLIDE FREELY. CARDBOARD TUBES ARE NOT ACCEPTABLE.
4. THE PRECAST BOX SHALL BE SET IN CONCRETE 1/8" BELOW THE NEW PAVEMENT. THE CONCRETE SHALL EXTEND 6" FROM OUTSIDE EDGE OF PRECAST BOX AND 12" IN DEPTH. THE CONCRETE SHALL HAVE A MEDIUM BROOM FINISH.
5. REMOVAL OF PAVEMENT FOR THE PRECAST BOX SHALL BE WITH A PNEUMATIC HAMMER CHISEL TYPE, OR OTHER APPROVED EQUIPMENT.
6. PRIOR TO POUR THE CONTRACTOR SHALL CALL FOR AN INSPECTION.
7. THE ENGINEER'S NUMBER (RCE#) OR SURVEYOR'S NUMBER (LS#) SHALL BE STAMPED IN THE BRASS CAP WITH 1/8" LETTERS. THE ENGINEER OR SURVEYOR SHALL USE A 1/8" DRILL TO DENOTE THE POINT. ALL LETTERING SHALL BE LEGIBLE.
8. THE MATING SURFACES OF THE LID AND RIM SHALL BE MACHINED FOR A TIGHT FIT.

Rev.	Description	Date	Rev.	Description	Date

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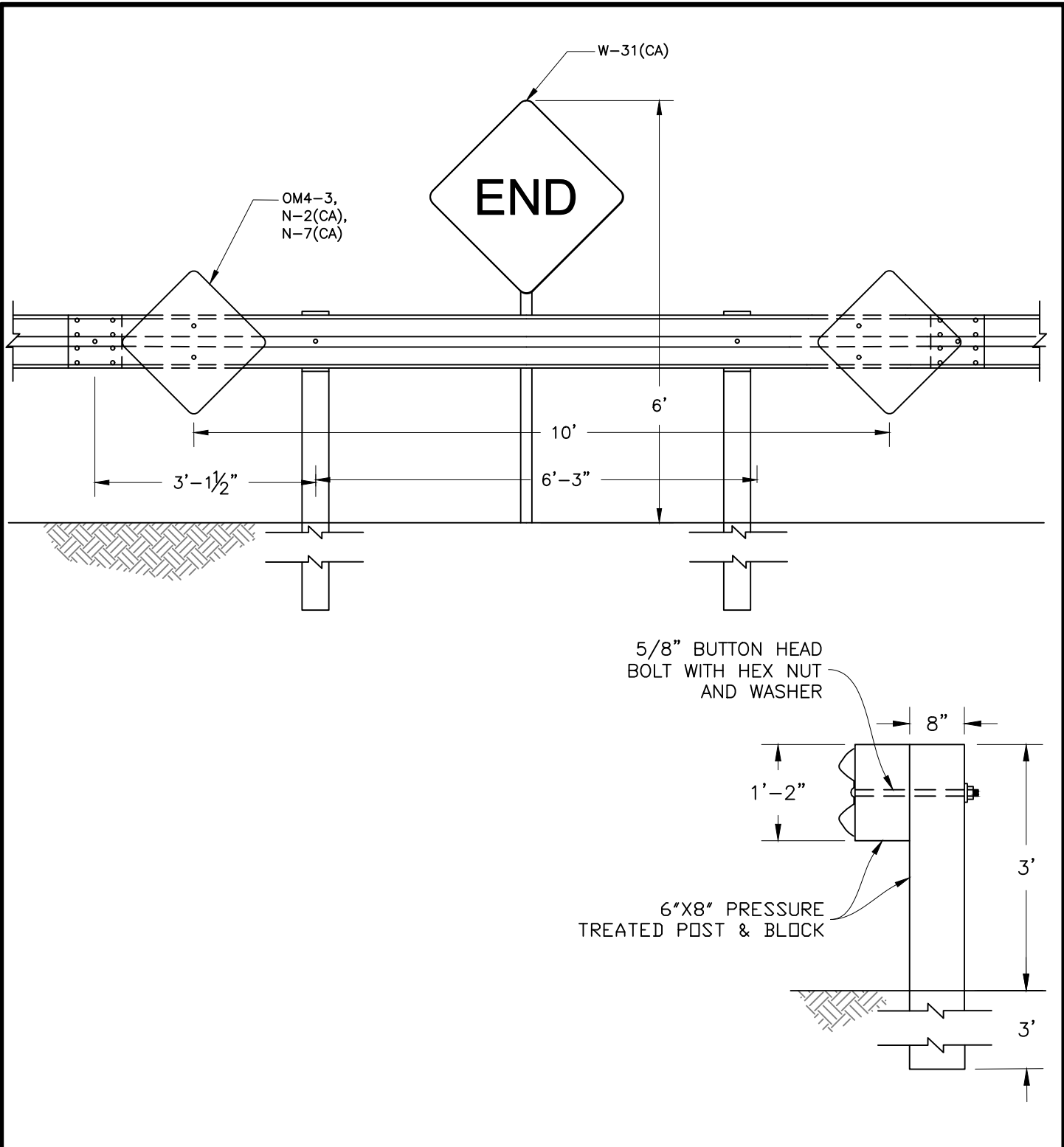
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MONUMENT BOX

SHEET 1 OF 1

301-5



1	Changed from wooden rails	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

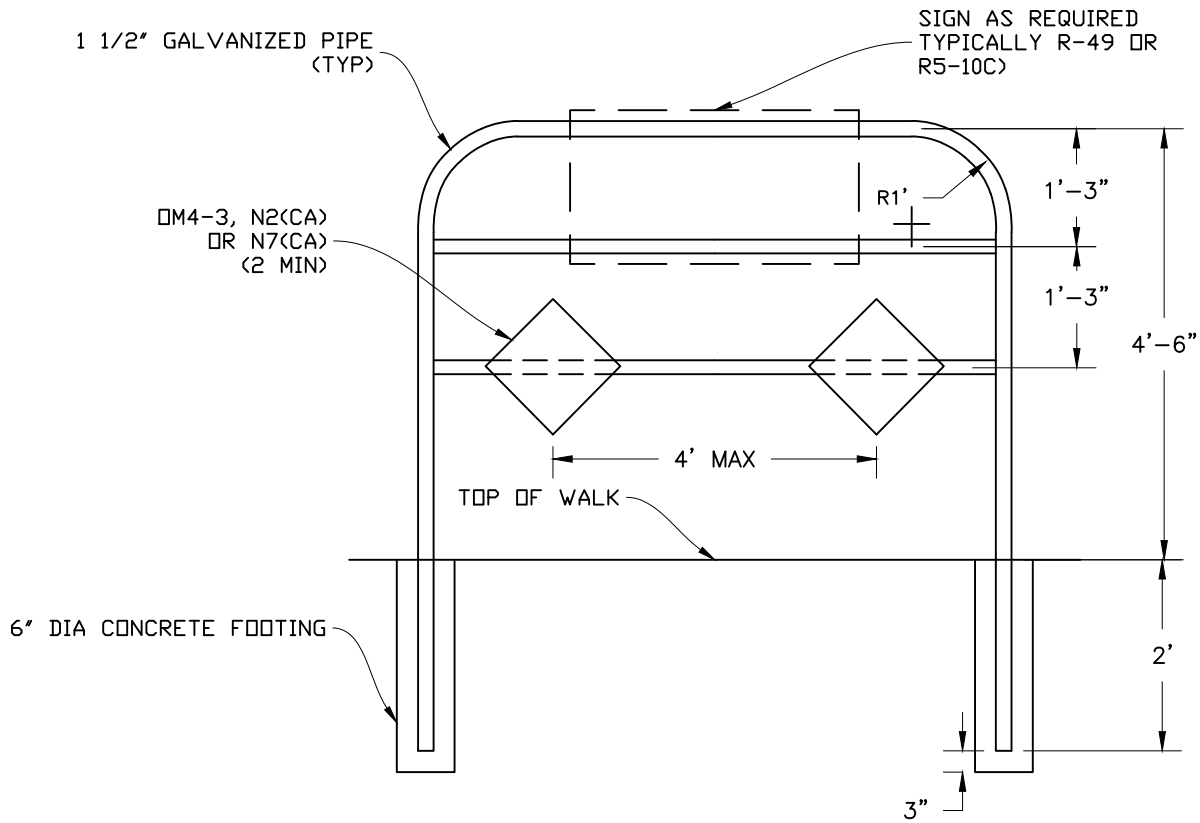
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STREET BARRICADE

SHEET 1 OF 2

301-6



NOTES:

1. BARRICADE SHALL BE PLACED 18" FROM FACE OF CURB OR END OF PEDESTRIAN WAY.
2. LENGTH OF BARRICADE SHALL BE APPROVED PRIOR TO INSTALLATION.

1	New detail	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

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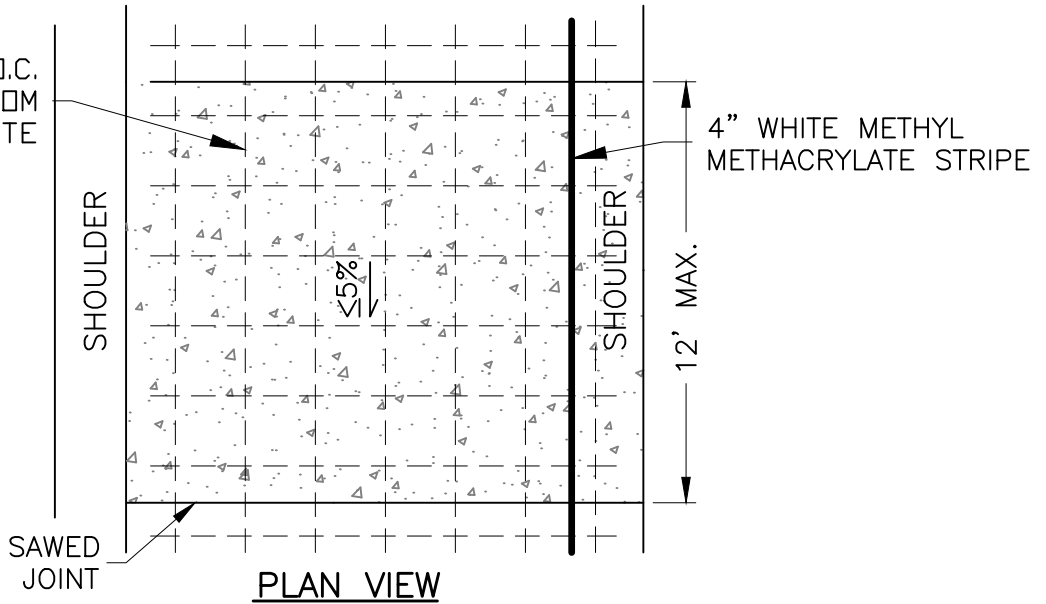
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PEDESTRIAN BARRICADE

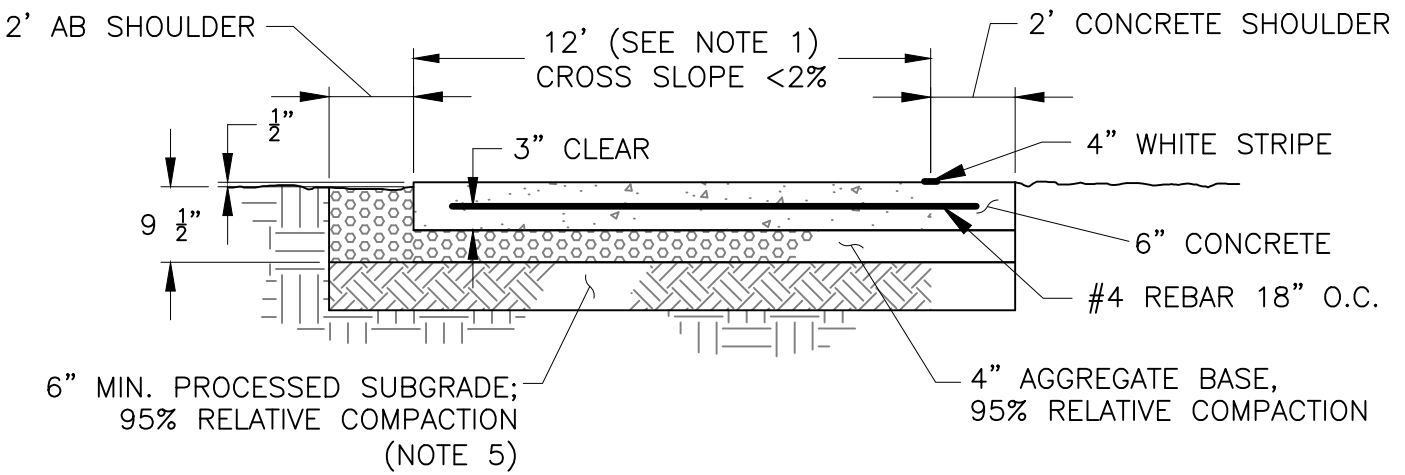
SHEET 2 OF 2

301-6

#4 REBAR 18" O.C.
6" CLEAR FROM
SIDES OF CONCRETE



PLAN VIEW



CROSS SECTION

NOTES:

1. SHARED USE PATHS SHALL BE 12' WIDE WITH 2' CLASS II AB OR CONCRETE SHOULDERS. CHANGES IN WIDTH SHALL BE SUBJECT TO APPROVAL OF CITY ENGINEER.
2. CONCRETE SHALL CONFORM TO SECTION 201 OF THE CITY STANDARD SPECS.
3. PROVIDE TOOLED TRANSVERSE JOINTS WITH $\frac{1}{4}$ " ROUNDED EDGES, 1 $\frac{1}{2}$ " DEEP AT 12' SPACING.
4. SURFACE FINISH SHALL BE TRANSVERSE MEDIUM BROOM FINISH.
5. FOR NEW CONSTRUCTION SUBGRADE SHALL BE PROCESSED TO A DEPTH OF 12" MIN.
6. APPLY CURING COMPOUND PER STANDARD SPECIFICATIONS.
7. CLEARANCE TO OBSTRUCTIONS SHALL BE A MINIMUM OF 3 FEET FROM THE EDGE OF THE 12' WIDE PATH.

1	Added shoulders, note 1	3/21	3	Modified AB for note 1	4/23
2	Renumbered from sheet 3	3/21			
Rev.	Description	Date	Rev.	Description	Date

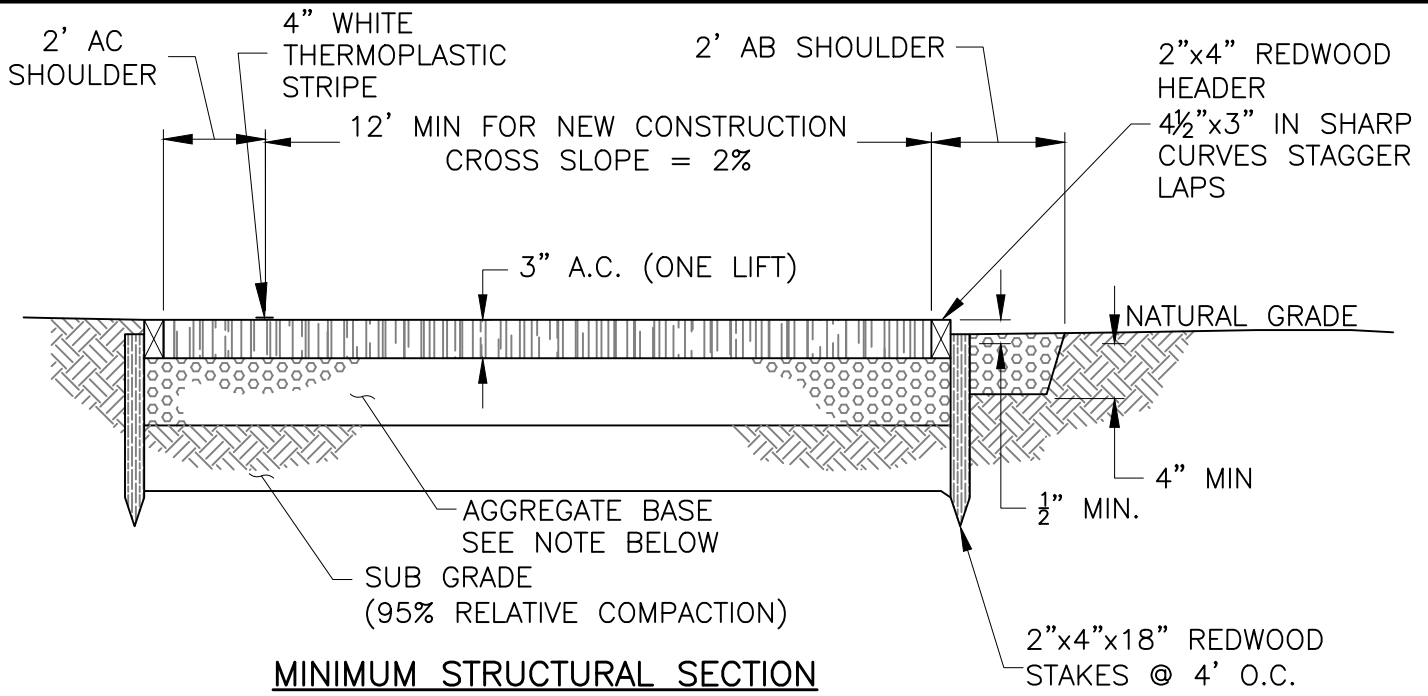
CITY OF DAVIS STANDARD PLAN

APPROVED October 7 20 24
Dianna R. Jensen
DIANNA R. JENSEN
P.E. No. C-56636

PCC SHARED USE PATH

SHEET 1 OF 3

301-7



SPECIFICATIONS:

ASPHALT CONCRETE:

GRADING: MATERIAL PER SEC. 202-1 (BIKE PATH, 3/8\" MIX), APPLICATION PER SEC. 302-1.

AGGREGATE BASE:

AGGREGATE BASE PER SEC. 200-1 SHALL BE COMPACTED TO 95% RELATIVE COMPACTION TO A DEPTH OF 6\" BASE MINIMUM.

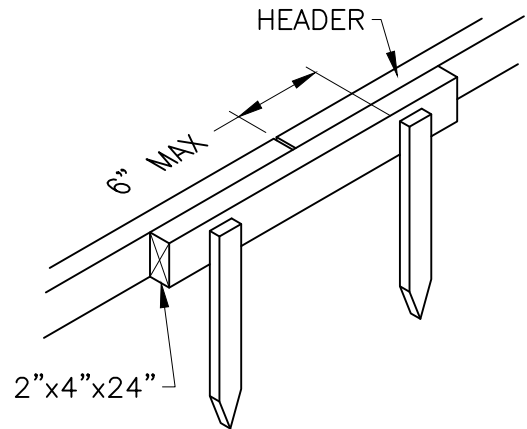
SUBGRADE:

FOR NEW CONSTRUCTION SUBGRADE SHALL BE PROCESSED TO A DEPTH OF 12\" MIN. FOR REPLACEMENT SUBGRADE SHALL BE PROCESSED TO A DEPTH OF 6\" MIN.

HEADER AND STAKES:

1. ALL WOOD SHALL BE CONSTRUCTION HEART REDWOOD OR BETTER.
2. JOINTS IN HEADER SHALL HAVE A STAKE ON BOTH SIDES SEE DETAIL BELOW.

2"x4"x18" REDWOOD STAKES @ 4' O.C. PLACED 3/4" MIN. BELOW HEADER. (TYP. BOTH SIDES.)



NOT FOR NEW CONSTRUCTION

SPlice DETAIL

ONLY ALLOWED UNDER SPECIFIC EXEMPTION

1	Added shoulders	3/21	3	Renumbered from sheet 1	3/21
2	Changed compaction to 95%	3/21	4	Modified dimension of header	4/23
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

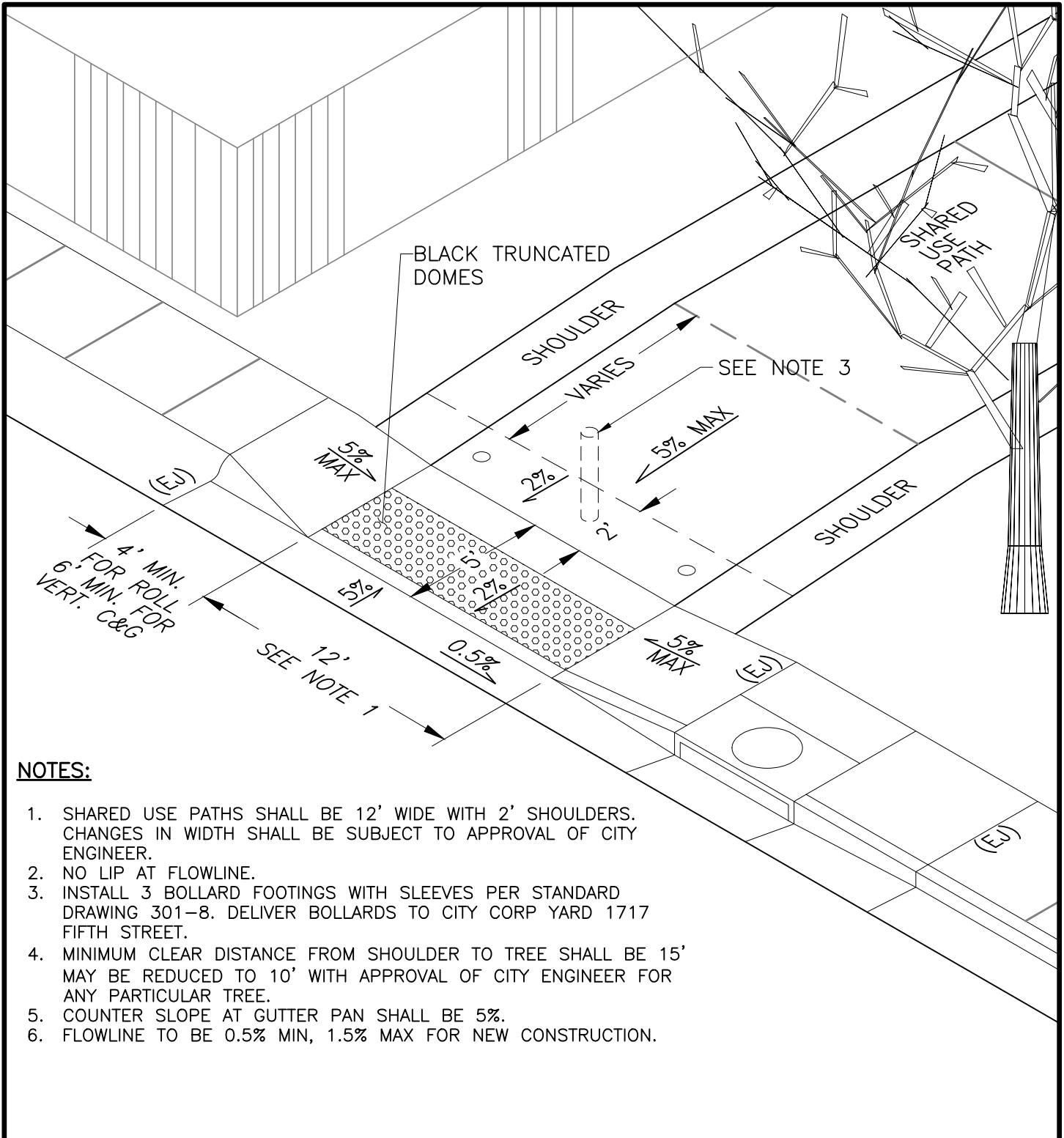
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AC SHARED USE PATH

SHEET 2 OF 3

301-7



NOTES:

1. SHARED USE PATHS SHALL BE 12' WIDE WITH 2' SHOULDERS. CHANGES IN WIDTH SHALL BE SUBJECT TO APPROVAL OF CITY ENGINEER.
2. NO LIP AT FLOWLINE.
3. INSTALL 3 BOLLARD FOOTINGS WITH SLEEVES PER STANDARD DRAWING 301-8. DELIVER BOLLARDS TO CITY CORP YARD 1717 FIFTH STREET.
4. MINIMUM CLEAR DISTANCE FROM SHOULDER TO TREE SHALL BE 15' MAY BE REDUCED TO 10' WITH APPROVAL OF CITY ENGINEER FOR ANY PARTICULAR TREE.
5. COUNTER SLOPE AT GUTTER PAN SHALL BE 5%.
6. FLOWLINE TO BE 0.5% MIN, 1.5% MAX FOR NEW CONSTRUCTION.

1	Added shoulders	3/21	1	Renumbered from sheet 2	3/21
1	Reconfigured for ADA compliance	3/21	1	Changed bollard requirements	3/21
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7 20 24

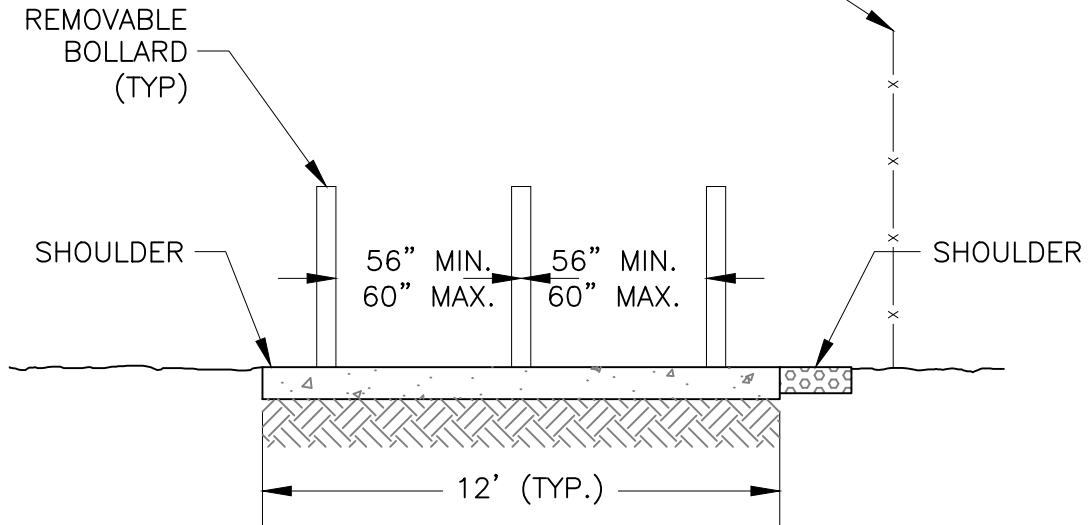
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**SHARED USE PATH ENTRANCE
 DETAIL**

SHEET 3 OF 3

301-7

DESIGN FEATURE TO LIMIT VEHICULAR ACCESS (TREE, ROCK, FENCE, BOLLARD, ETC. A.C. BERM OR CURB ARE NOT CONSIDERED FEATURES THAT LIMIT VEHICULAR ACCESS).



TYPICAL INSTALLATION SHALL BE ONE REMOVABLE BOLLARD IN CENTER OF PATH. ADDITIONAL DESIGN FEATURES AT EDGE OF PATH TO PROHIBIT MOTOR VEHICULAR ACCESS. MINIMUM CLEAR SPACE SHALL BE 56" AND MAXIMUM CLEAR SPACE SHALL BE 60".

1	Redrawn	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7, 2024

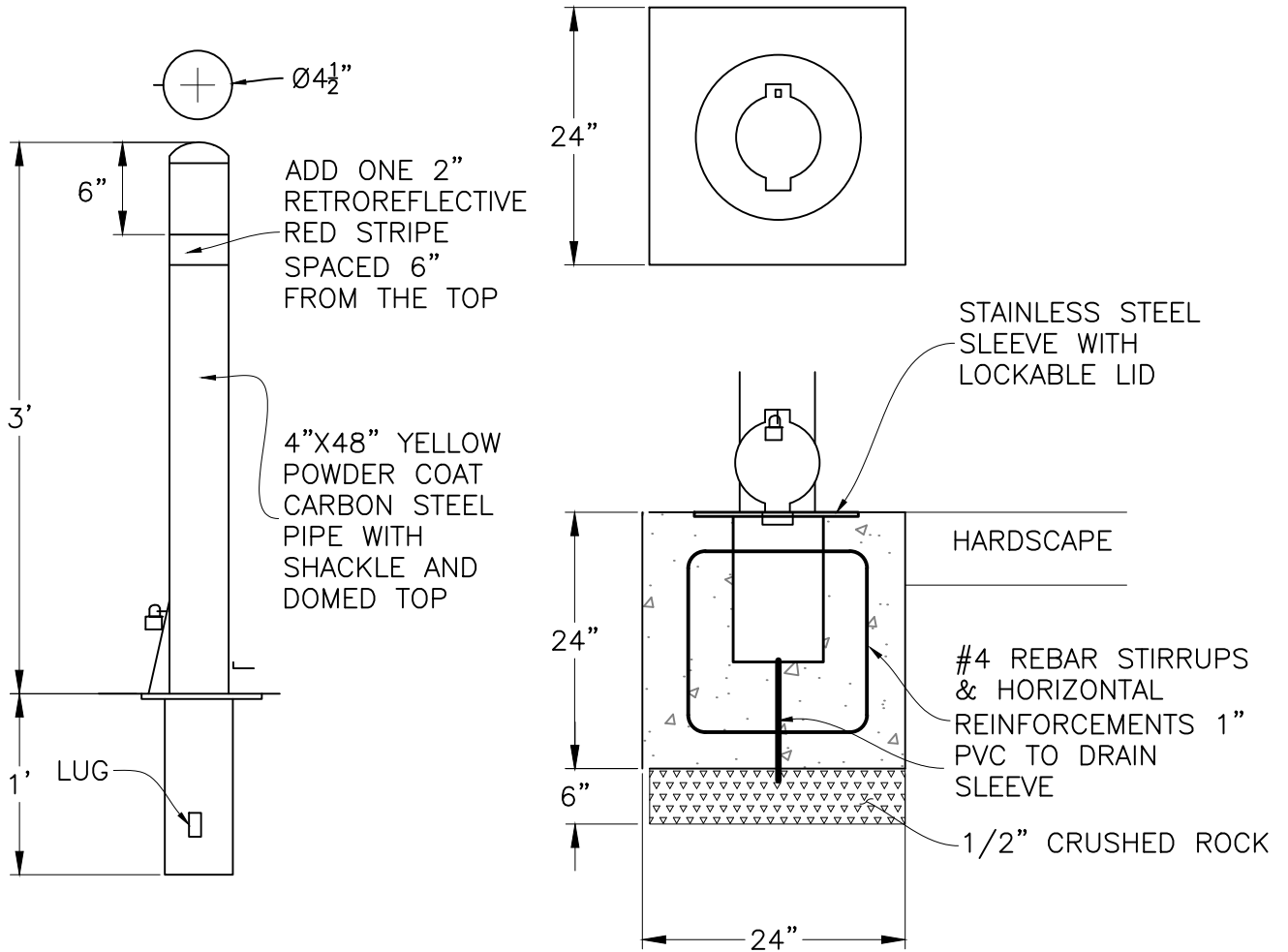
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BOLLARD SPACING

SHEET 1 OF 2

301-8

TOP VIEW
LID CLOSED



1	Redrawn	4/23			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

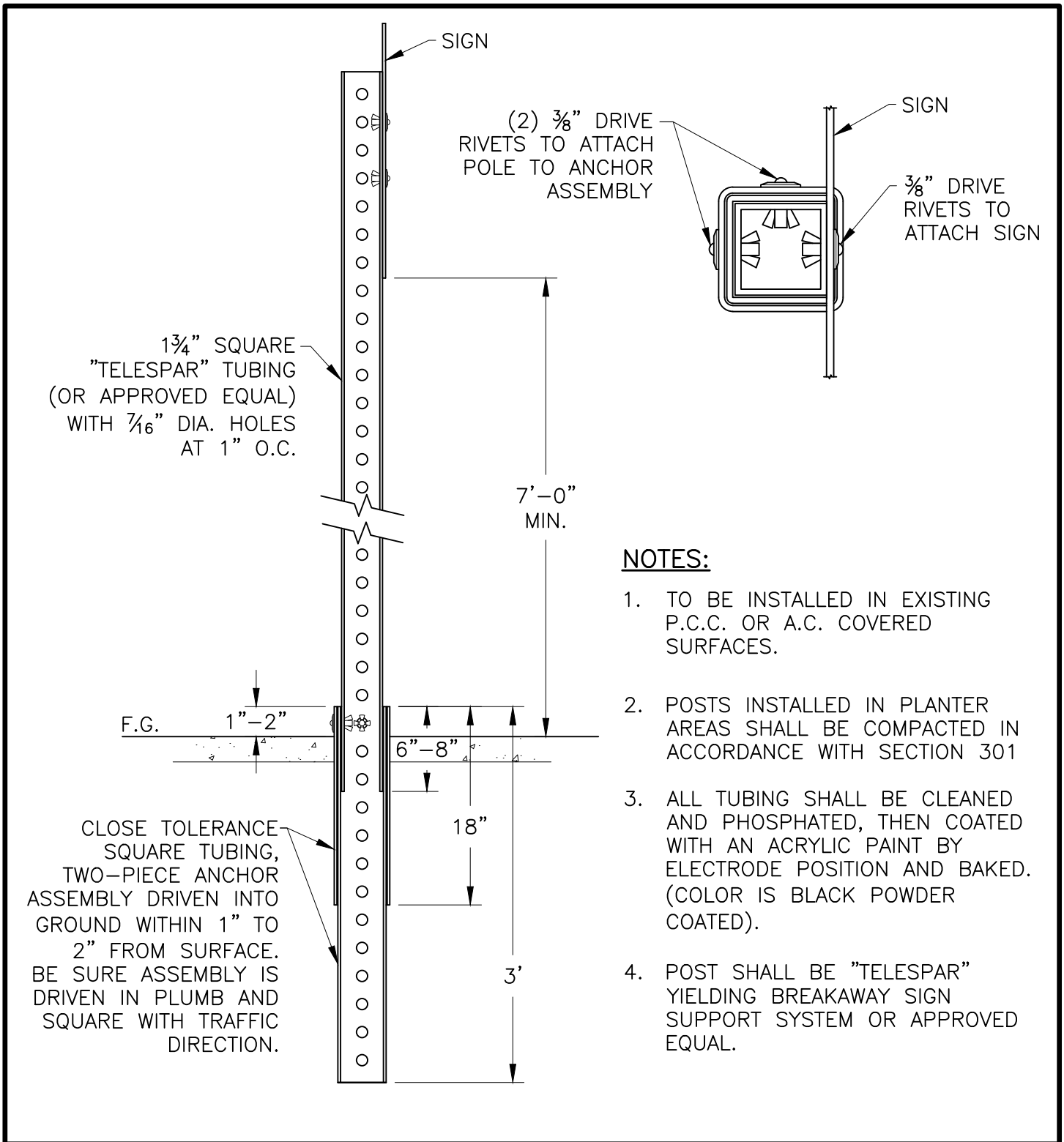
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BOLLARD DETAILS

SHEET 2 OF 2

301-8




NOTES:

1. TO BE INSTALLED IN EXISTING P.C.C. OR A.C. COVERED SURFACES.
2. POSTS INSTALLED IN PLANTER AREAS SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 301
3. ALL TUBING SHALL BE CLEANED AND PHOSPHATED, THEN COATED WITH AN ACRYLIC PAINT BY ELECTRODE POSITION AND BAKED. (COLOR IS BLACK POWDER COATED).
4. POST SHALL BE "TELESPAR" YIELDING BREAKAWAY SIGN SUPPORT SYSTEM OR APPROVED EQUAL.

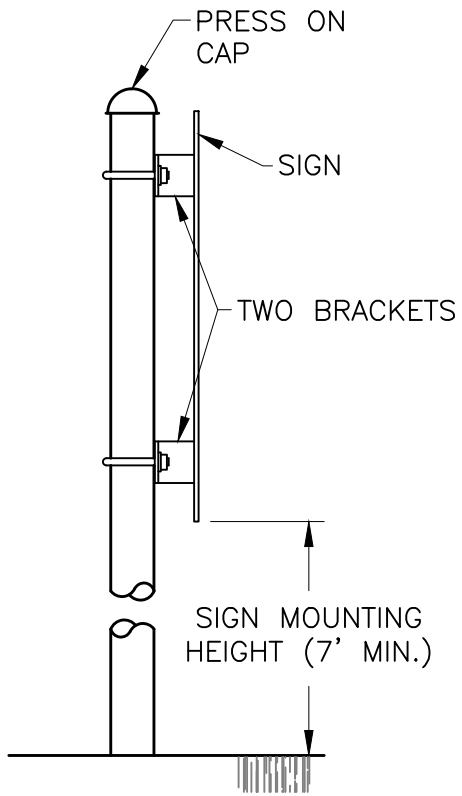
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

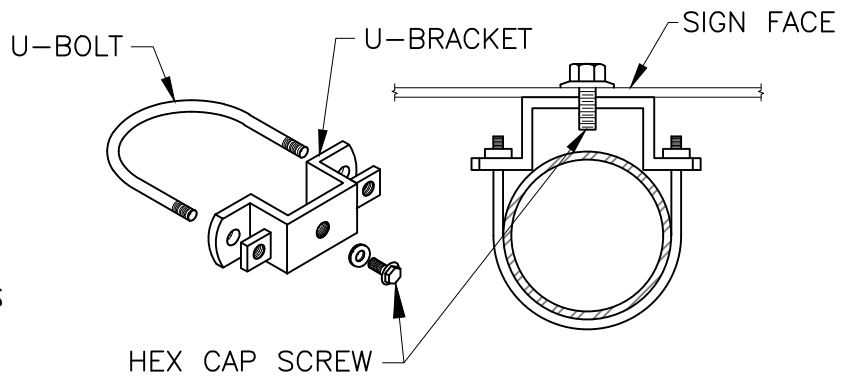
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 P.E. No. C-56636

**TRAFFIC SIGNING DETAILS
(SQUARE POST)**

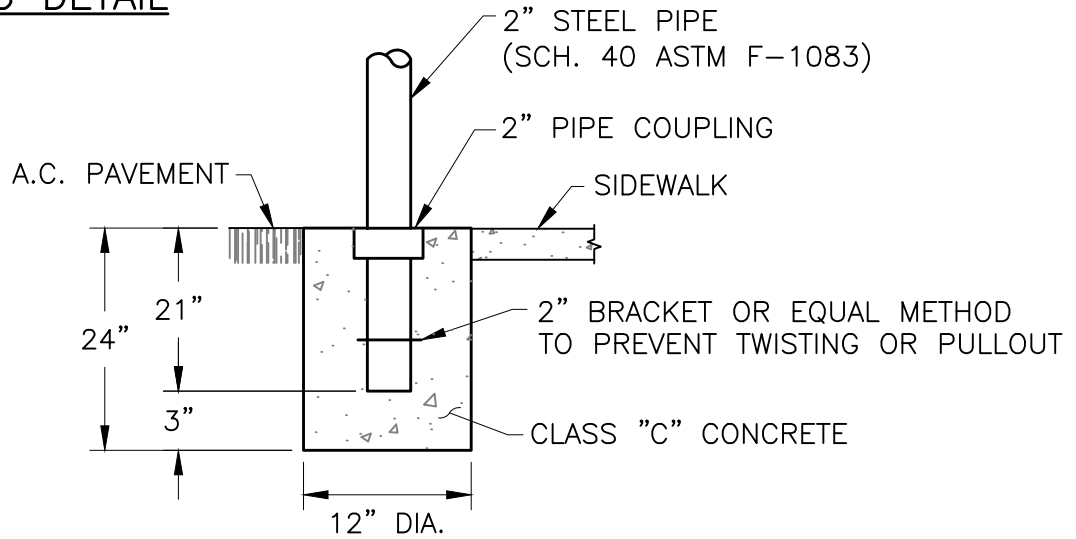
SHEET 1 OF 2 301-9



MOUNTING DETAIL



SIGN MOUNTING BRACKET
(SIMI FASTENING SYSTEMS VC252-2 OR EQUAL)



SIGN POLE FOUNDATION

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

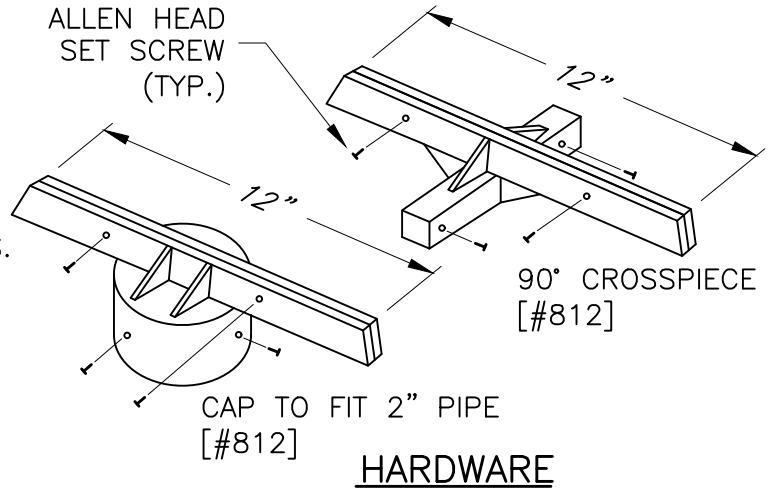
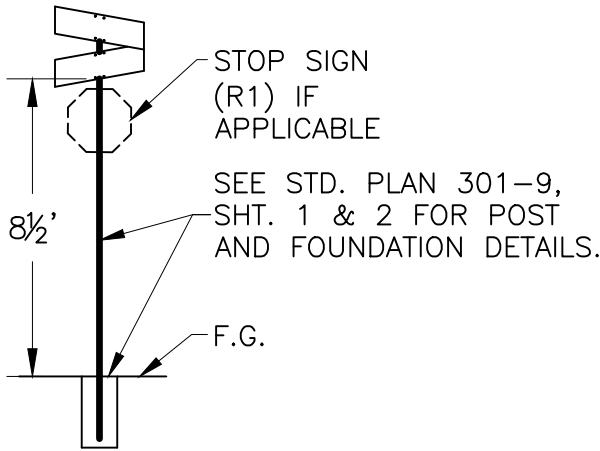
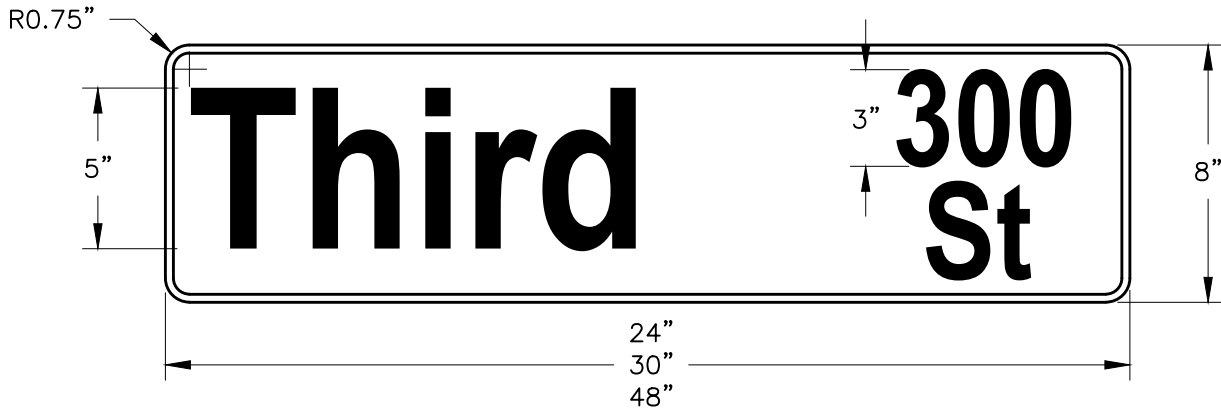
APPROVED October 7, 20 24

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**TRAFFIC SIGNING DETAILS
(ROUND POST-OPTIONAL)**

SHEET 2 OF 2

301-9




NOTES:

1. ALL MATERIALS AND FASTENING HARDWARE BY ZAP MANUFACTURING, INC., HEAVY DUTY ALUMINUM, SLOTTED LOCK TYPE.
2. WHITE LETTERS/NUMBERS ON GREEN BACKGROUND.WITH 1/4" WHITE BORDER
3. ALL LETTERING SHALL BE UPPER & LOWER CASE Highway BM.
4. SIGNS TO BE DOUBLE FACED.
5. ALL RADII TO BE 3/4".
6. 0.080" THICK ALUMINUM.
7. SIGNS TO BE RETROREFLECTIVE.
8. [] ZAP MANUFACTURING INC. PART. NUMBER.

1	New detail	3/21			
Rev.	Description	Date	Rev.	Description	Date

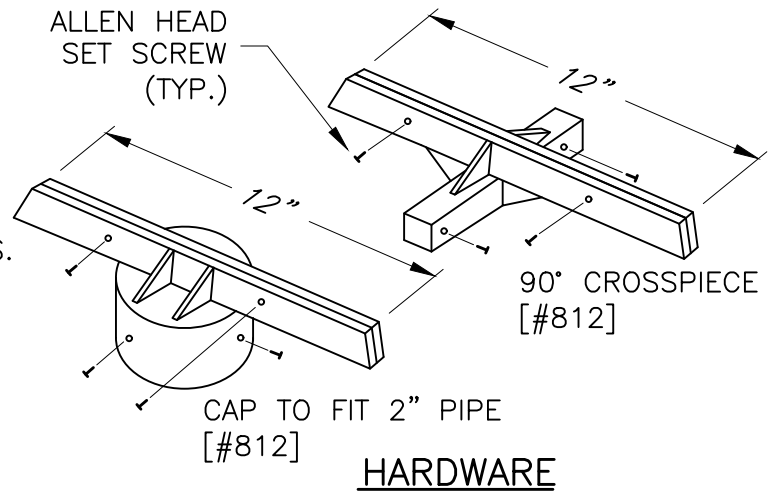
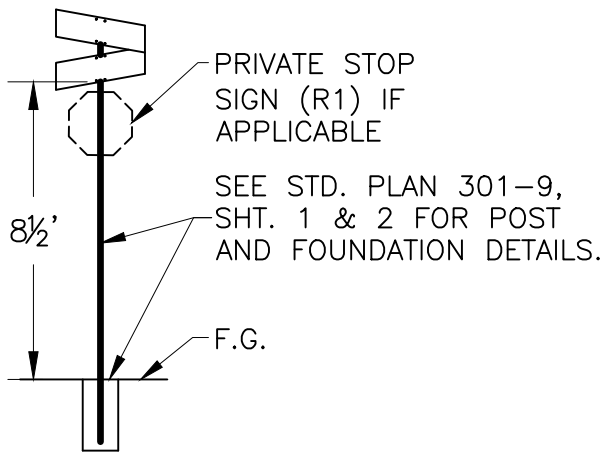
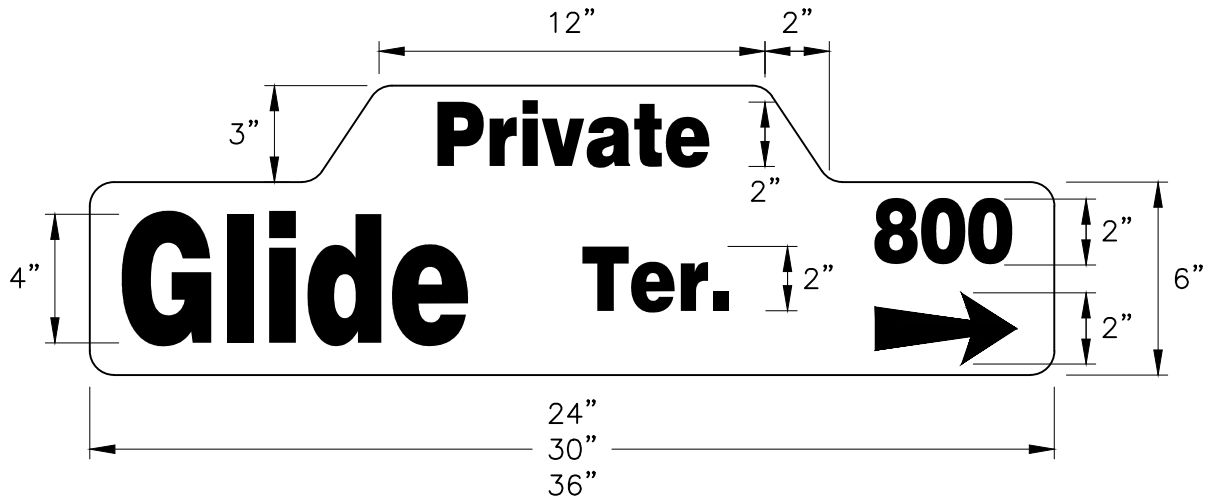
CITY OF DAVIS STANDARD PLAN

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 P.E. No. C-56636

**PUBLIC STREET NAME SIGN
 DETAILS**

SHEET 1 OF 2

301-10



HARDWARE

NOTES:

1. ALL MATERIALS AND FASTENING HARDWARE BY ZAP MANUFACTURING, INC., HEAVY DUTY ALUMINUM, SLOTTED LOCK TYPE.
2. WHITE LETTERS/NUMBERS ON BLUE BACKGROUND.
3. ALL LETTERING TO BE UPPER & LOWER CASE MONTEREY.
4. SIGNS TO BE DOUBLE FACED.
5. ALL RADII TO BE 3/4".
6. 0.080" THICK ALUMINUM.
7. SIGNS TO BE RETROREFLECTIVE.
8. [] ZAP MANUFACTURING INC. PART NUMBER OR APPROVED EQUAL.

1.	Renumbered from sheet 1	3/21			
2.	Modified note 8	5/24			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7, 2024

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**PRIVATE STREET NAME
 SIGN DETAILS**

SHEET 2 OF 2

301-10

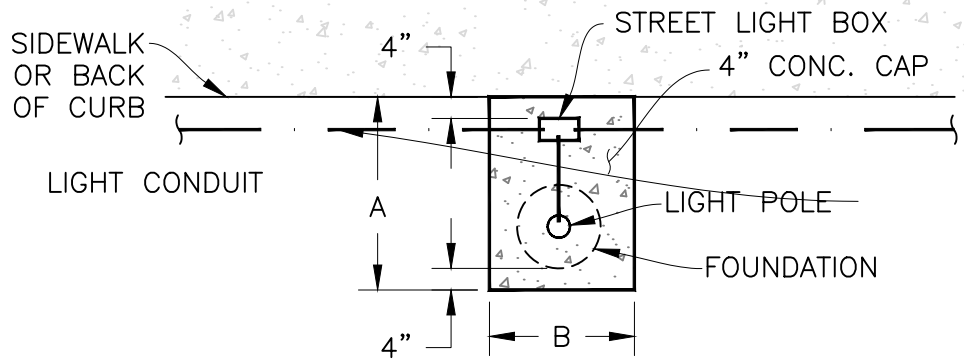
CAP SIZE PER FOUNDATION TYPE & SIZE

DIA.	A	B
24"	49"	32"
27"	52"	35"
30"	55"	38"

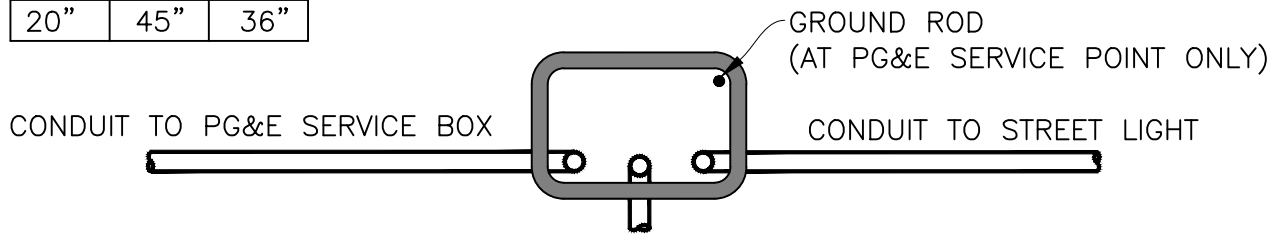
SQ.	A	B
20"	45"	36"
24"	49"	42"
27"	52"	46"

BOLLARD

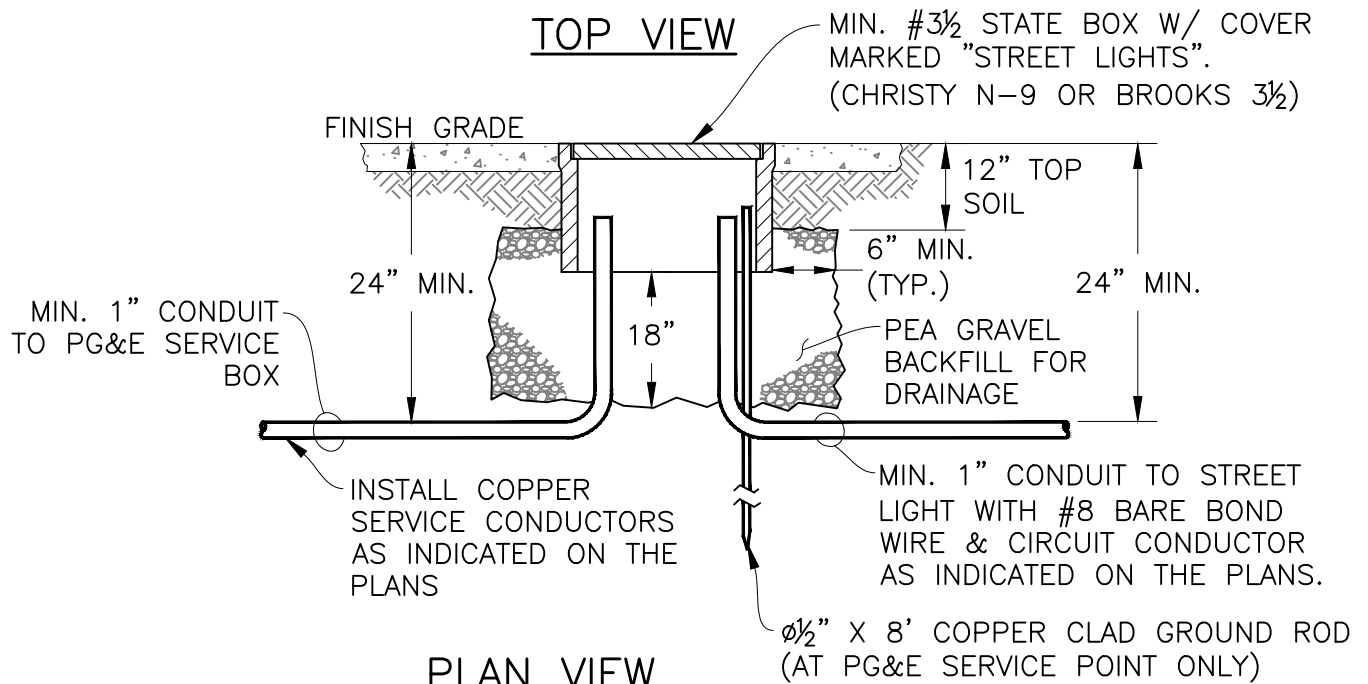
SQ.	A	B
20"	45"	36"



BOX LOCATION AT POLES



TOP VIEW



PLAN VIEW

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

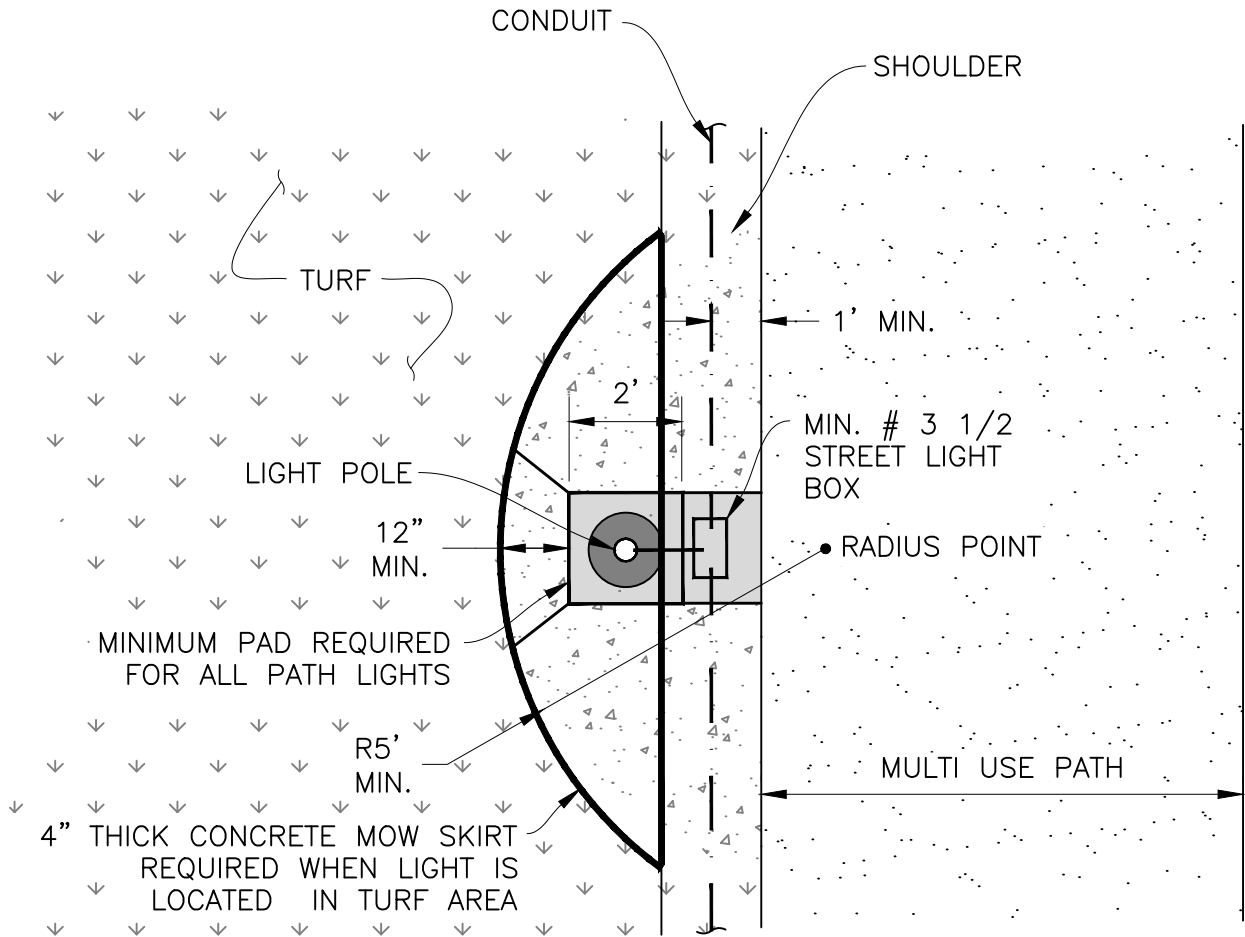
APPROVED October 7, 20 24

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 DIANNA R. JENSEN
 P.E. No. C-56636

SERVICE BOX INSTALLATION AND LOCATION DETAILS FOR STREET LIGHTS

SHEET 1 OF 3

301-11



NOTES:

1. SLOPE TO DRAIN AWAY FROM LIGHT AND PULL BOX.
2. SEE PLANS FOR LIGHT LOCATIONS.
3. INSTALL SCORE JOINTS OUT FROM LIGHT FOUNDATION AND PULL BOX AS SHOWN FOR CRACK CONTROL.
4. FINISH TO BE MEDIUM BROOM.

1	Added shoulder	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

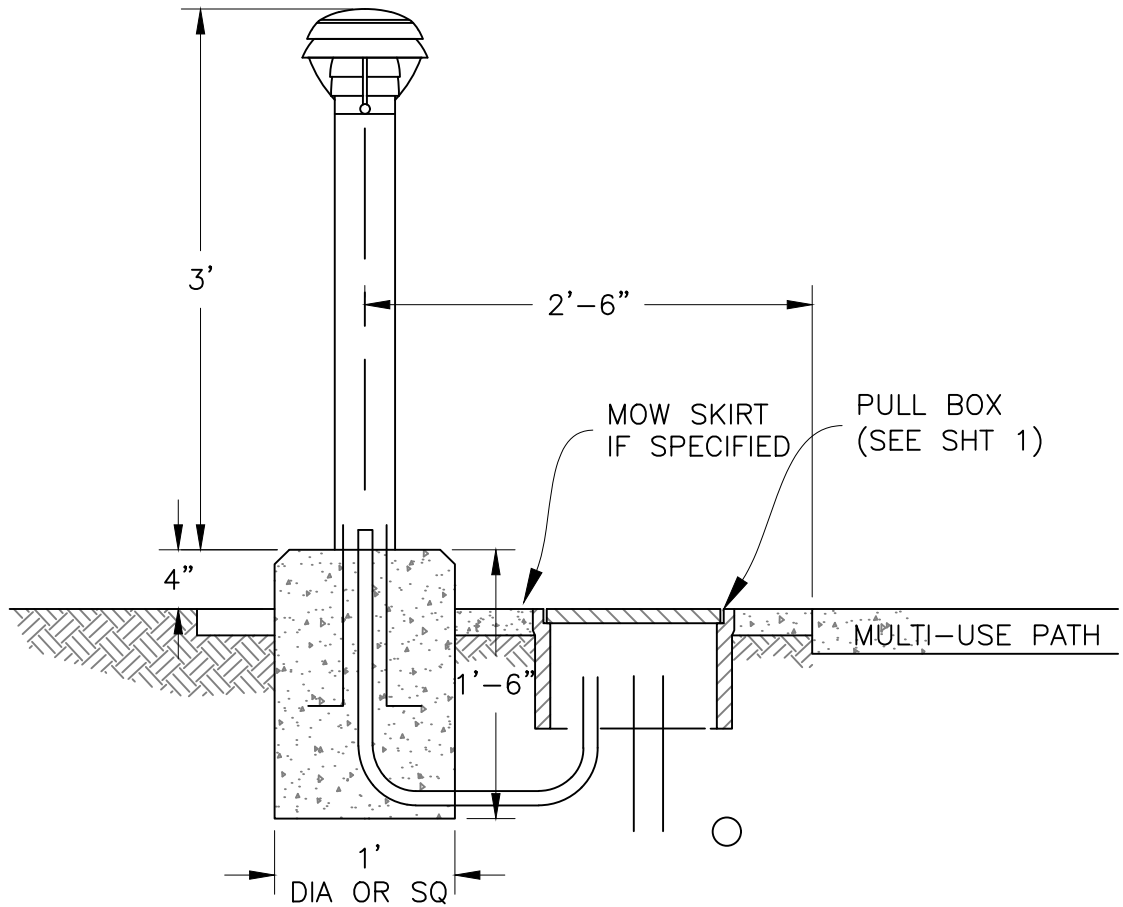
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**LOCATION DETAILS FOR
 BIKE PATH LIGHTS**

SHEET 2 OF 3

301-11



NOTES:

1. BOLLARD SHAFT TO BE 4" DIA BLACK IN COLOR. LIGHTING TO BE LED WARM WHITE 300K 120V WITH DIMMING CONTROLS INTERNAL. LIGHT DISTRIBUTION PER PLAN.
2. HADCO BOLLARD OR APPROVED EQUAL.

1	New detail	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

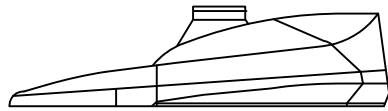
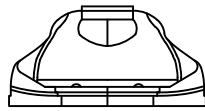
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**BOLLARD LIGHTING
 LOCATION & DETAILS**

SHEET 3 OF 3

301-11



COBRA HEAD LUMINAIRES

LUMINAIRE DATA

NO. OF LEDs	VOLTS	SYSTEM WATTAGE	DRIVE CURRENT (mA)	NOMINAL COLOR TEMPERATURE	ACCEPTABLE PRODUCTS
20	120-277	19	270	2,700 K	LEOTEK GreenCobra Jr. (GRAY) #GCJ1-30J-MV-27-2R-GY-020-FOC-PCR7-WL-RWG (RESIDENTIAL AREAS ONLY)
					LEOTEK GreenCobra Jr. (GRAY) #GCJ1-30J-MV-27-2R-GY-020-FOC-PCR7-MSL3-CODPATH-RWG (PARK/PATHWAY LIGHTS)
					LEOTEK GreenCobra Jr. (BROWN) #GCJ1-30J-MV-27-2R-DB-020-FOC-PCR7-MSL3-CODPATH-RWG (PARK/PATHWAY LIGHTS)
					LEOTEK GreenCobra Jr. (BLACK) #GCJ1-30J-MV-27-2R-BK-020-FOC-PCR7-MSL3-CODPATH-RWG (PARK/PATHWAY LIGHTS)
30	120-277	37, 49, 64	590, 780, 900	4,000 K	LEOTEK GreenCobra Jr. (GRAY) #GCJ1-30J-MV-40K-2R-GY-060-FOC-WL-PCR7-RWG (37 WATTS. DELIVERS 5883 LUMENS) (MINOR ARTERIALS)
					LEOTEK GreenCobra Jr. (GRAY) #GCJ1-30J-MV-40K-2R-GY-075-FOC-WL-PCR7-RWG (49 WATTS, 7256 LUMENS) (MAJOR ARTERIALS)
					LEOTEK GreenCobra Jr. (GRAY) #GCJ1-30J-MV-40K-2R-GY-090-FOC-WL-PCR7-RWG (64 WATTS. 9216 LUMENS) (CROSSWALK AREAS ONLY)

NOTES:

1. FIXTURES MUST OPERATE AT THE mA RATING SHOWN IN THE TABLE ABOVE AND HAVE A MINIMUM 7 PIN CONFIGURATION.
2. NON-STREETLIGHTS SHALL HAVE MOTION SENSOR AND PROGRAMMABLE ADAPTIVE LIGHTING CONTROLS.
3. NON-STREETLIGHTS SHALL HAVE LOW SETTING MUST BE LESS THAN 1 W AND HIGH OF 2 W.
4. HOUSE SIDE SHIELDS ARE REQUIRED.
5. CUL-DE-SAC SIDE SHIELDS REQUIRED IN CUL-DE-SACS.

1	Added luminaires	8/23			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7, 2024

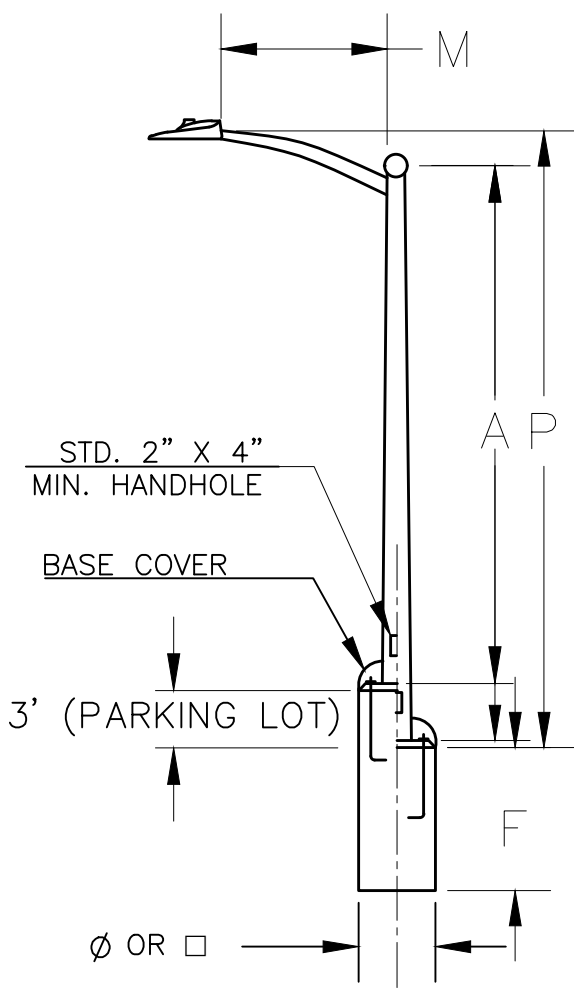
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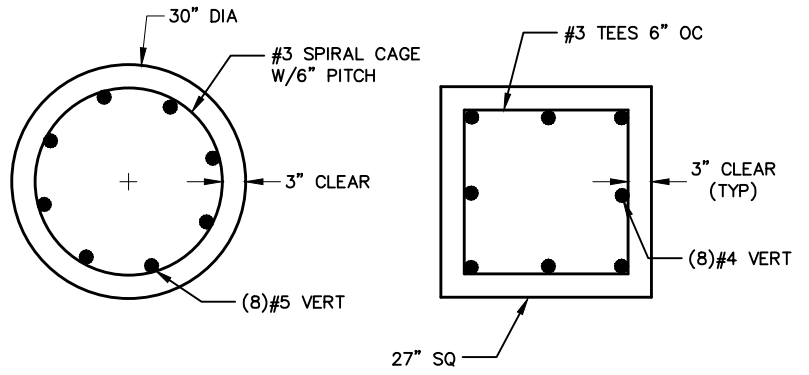
STREET LIGHT, PARK & PATH LIGHT LUMINAIRES

SHEET 1 OF 1

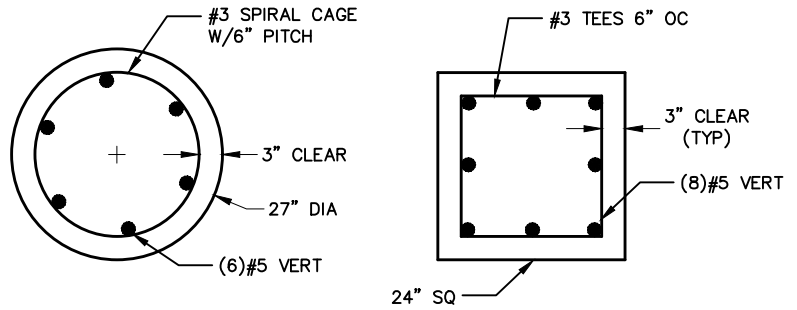
301-12



STREET LIGHT



REINFORCING ALL LIGHT POLES:
MOUNTING HEIGHT GREATER THAN 25'



REINFORCING ALL LIGHT POLES:
MOUNTING HEIGHT UP TO 25'

FOUNDATION DETAIL

POLE DATA				ARM	FOUNDATION		ANCHOR BOLTS		
APPLICATION	A HEIGHT	P MTG. HGT.	ACCEPTABLE PRODUCTS	M LENGTH	F DEPTH	Ø DIA.	□ SQ.	SIZE	BOLT CIRCLE
PARKING LOT	12'	15'-0"	VALMONT DS200-468A120	0	7'-0"	27"		3/4"x36"x4"	8"
PARKING LOT	12'	15'-0"	VALMONT DS200-468A120	0	6'-6"		24"	3/4"x36"x4"	8"
BIKE PATH	16'	15'-0"	VALMONT DS200-524A160	0	6'-0"	27"	24"	3/4"x36"x4"	8"
LOCAL STREETS	25'-0"	26'-0" 26'-3"	VALMONT DS30 7.0A250-6 AMERON A256	6'	6'-0"	27"	24"	1"x36"x4"	10"-11½"
COLLECTORS/ARTERIALS	30'-0"	30'-3"	VALMONT DS30 8.0A300-6 AMERON A306	6'	6'-0"	30"	27"	1"x36"x4"	11"-11½"

1	Changed foundation detail & table	3/24			
Rev.	Description	Date	Rev.	Description	Date

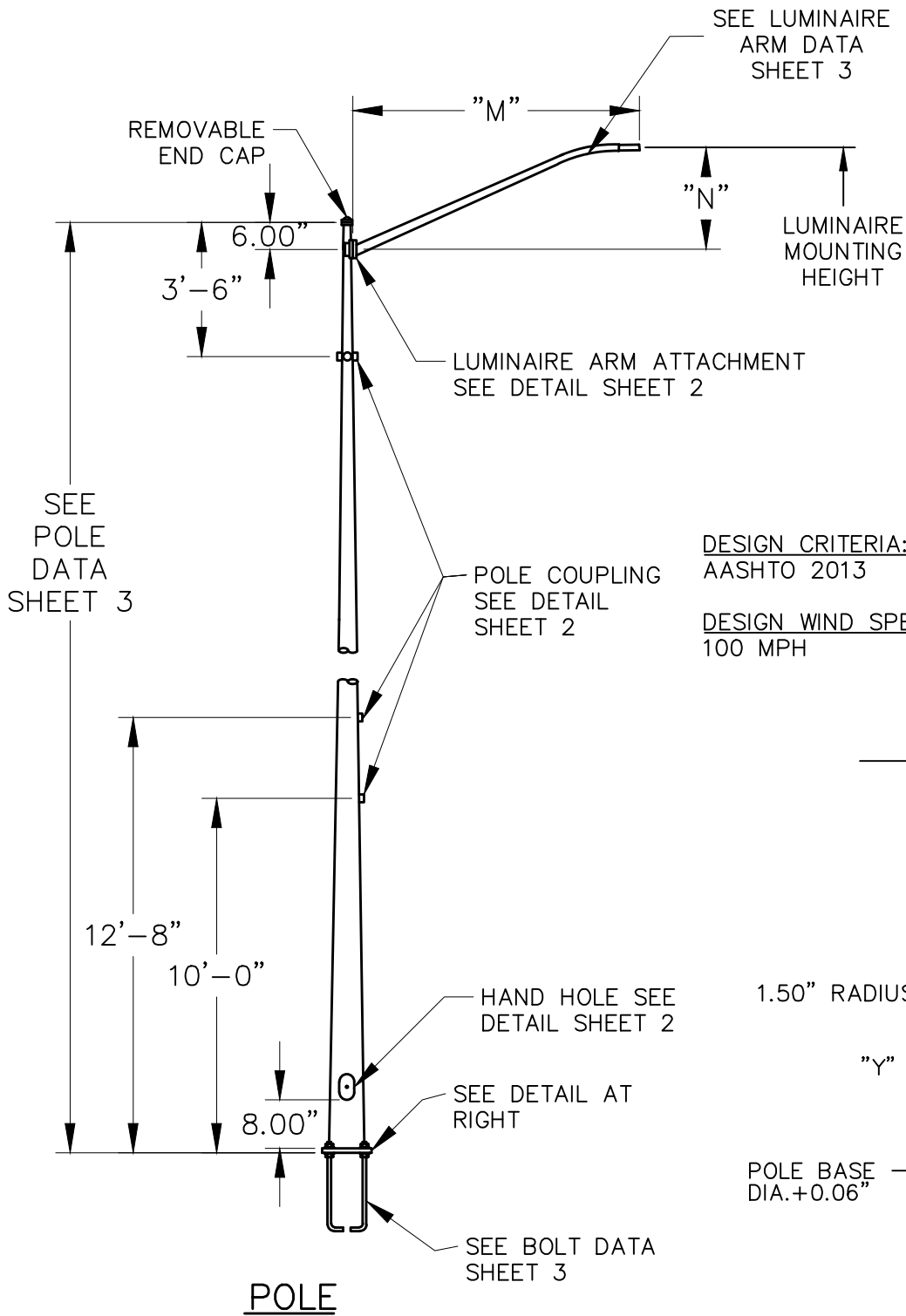
CITY OF DAVIS STANDARD PLAN

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STANDARD STREET LIGHT

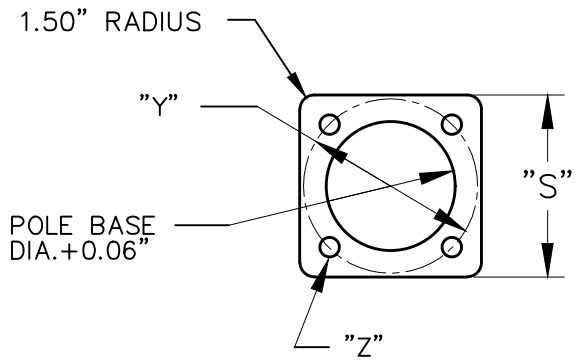
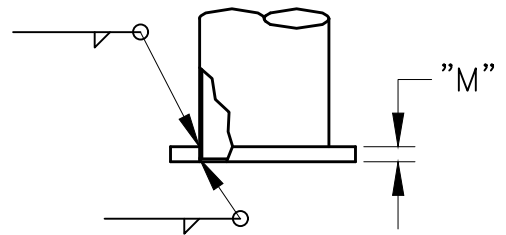
SHEET 1 OF 6

301-13



DESIGN CRITERIA:
AASHTO 2013

DESIGN WIND SPEED:
100 MPH




POLE

BASE PLATE

1	New detail	3/21			
Rev.	Description	Date	Rev.	Description	Date

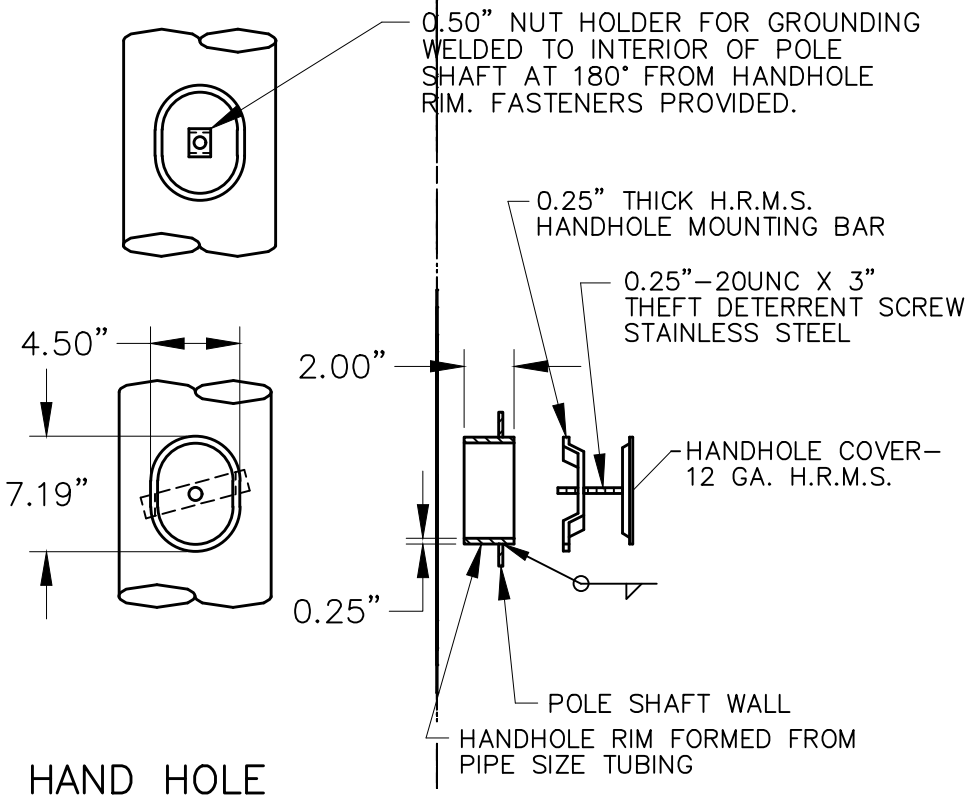
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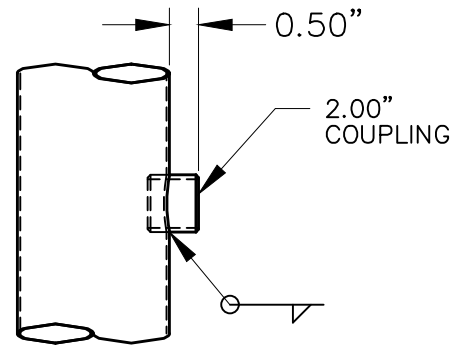
**STREET LIGHT W/ANTENNA
POLE**

SHEET 2 OF 6

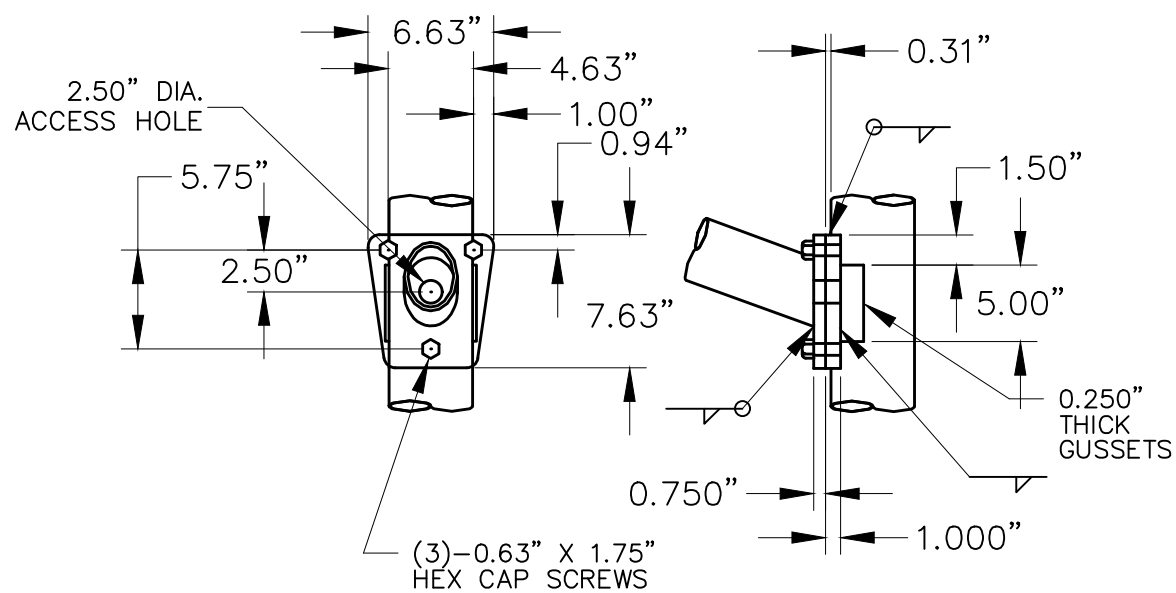
301-13



HAND HOLE




POLE COUPLING



LUMINAIRE ARM ATTACHMENT

1	New detail	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7 20 24

 DIANNA R. JENSEN
 P.E. No. C-56636

**STREET LIGHT W/ANTENA
 POLE DETAILS**


POLE DATA														
ITEM	QTY.	POLE TUBE				POLE BASE					ANCHOR BOLT			
		BASE DIA. (IN)	TOP DIA. (IN)	LENGTH (FT)	GUAGE OR THK. (IN)	"S" "S" (IN)	BOLT CIRCLE "Y" (IN)	THK. "M" (IN)	HOLE (IN)	"Z" (IN)	DIA. "K" (IN)	LENGTH "J" (IN)	"H" HOOK (IN)	THREAD LENGTH "U" (IN)
1	1	9.00	5.50	25.00	7	12.38	12.50	1.25	1.50	1.25	42.00	6.00	6.00	
2	1	9.00	5.29	26.50	7	12.38	12.50	1.25	1.50	1.25	42.00	6.00	6.00	
3	1	9.00	5.01	28.50	7	12.38	12.50	1.25	1.50	1.25	42.00	6.00	6.00	
4	1	9.00	4.80	30.00	7	12.38	12.50	1.25	1.50	1.25	42.00	6.00	6.00	

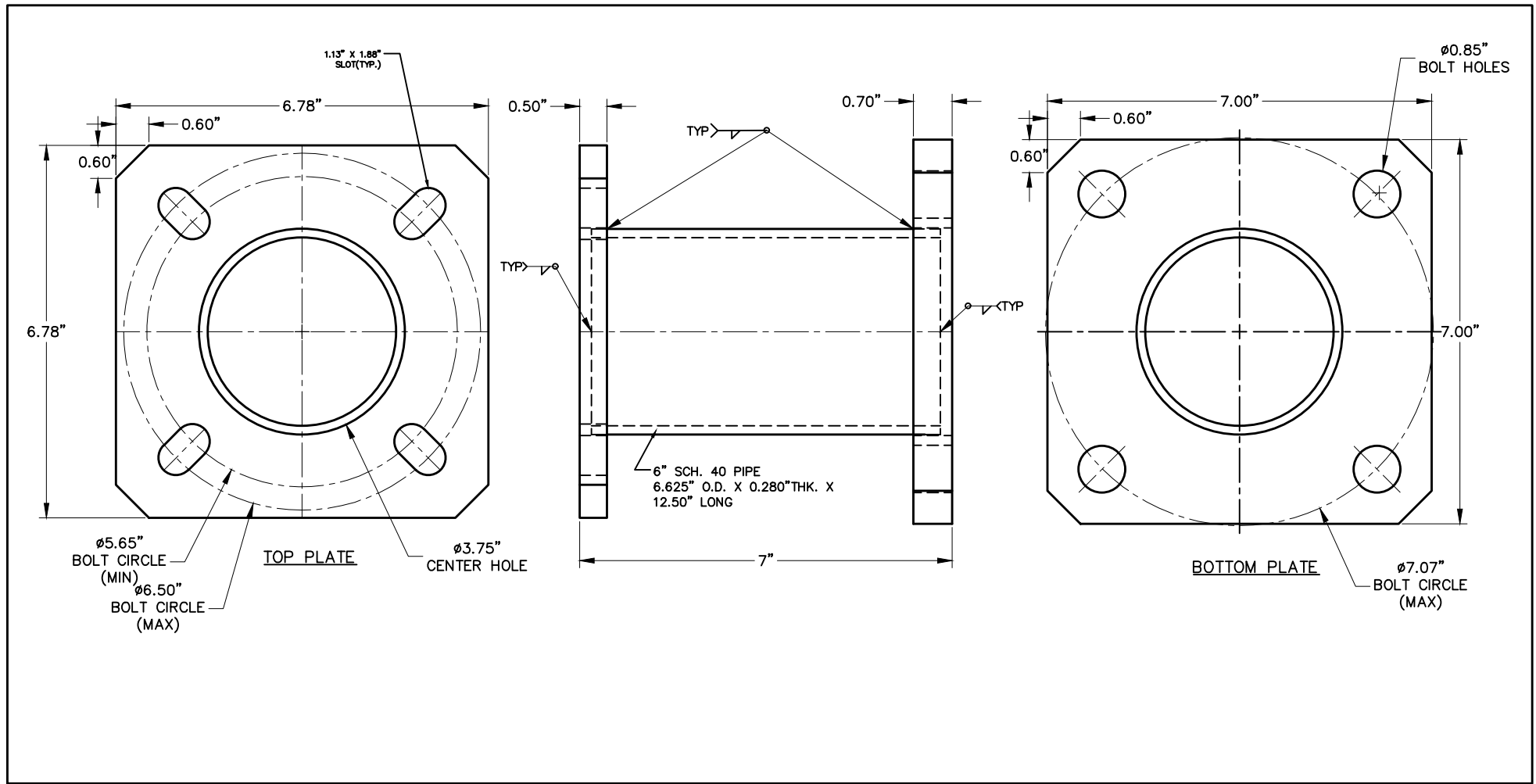
LUMINAIRE ARM DATA							
ARM LENGTH "M" (FT)	RISE "N" (FT)	ARM BASE DIA. (IN)	THICKNESS (IN)	LUMINAIRE MTG. HEIGHT			
				25.00' POLE	26.50' POLE	28.50' POLE	30.00' POLE
6.33	2.00	3.36	0.119	26.50	28.00	30.00	31.50
8.33	2.75	3.66	0.119	27.25	28.75	30.75	32.25
10.33	3.25	3.95	0.119	27.75	29.25	31.25	32.75
12.33	4.25	4.27	0.119	28.75	30.25	32.25	33.75
15.33	4.75	4.68	0.119	29.25	30.75	32.75	34.25

MATERIAL DATA			FINISH DATA	
COMPONENT	ASTM DESIGNATION	MIN. YIELD (KSI)		
POLE & ARM SHAFT	A595 GR. A	55	SYSTEM: GALVANIZED (GV) BASE COAT: HOT-DIP GALVANIZED TO ASTM A123 PRIME COAT: NONE FINISH COAT: NONE COLOR: NONE SPEC: F-1	
SIMPLEX PLATES	A36	36		
BASE PLATE	A36	36		
LUM. CONN. HARDWARE	F3125 GR. A325			
ANCHOR BOLT	F1554 GR.55	55		
NUTS	A563 GR.A	--		
WASHERS	ASTM F436	--		
HARDWARE COATING	HOT DIP ZINC			

NOTES:

1. VERIFY FINISH PRIOR TO RELEASE FOR PRODUCTION.
2. PROVIDE 2.00" COUPLING ORIENTATIONS PRIOR TO RELEASE FOR PRODUCTION.
3. VERIFY ALL LOCATIONS AND ORIENTATIONS PRIOR TO RELEASE FOR PRODUCTION.
4. IF ANY ADDITIONAL HAND HOLES OR WIRE WAYS ARE REQUIRED PLEASE PROVIDE SIZE, LOCATION AND ORIENTATION PRIOR TO RELEASE FOR PRODUCTION.

1	New detail	3/21	CITY OF DAVIS STANDARD PLAN	
			APPROVED <u>October 7</u> 20 <u>24</u>	
			 DIANNA R. JENSEN	
			P.E. No. C-56636	
			STREET LIGHT W/ANTENA DATA SHEET	
Rev.	Description	Date	SHEET <u>4</u> OF <u>6</u>	301-13



1	New detail	3/21
Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7 20 24

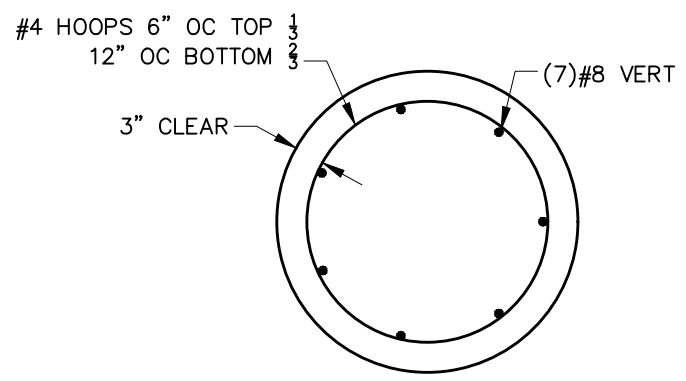
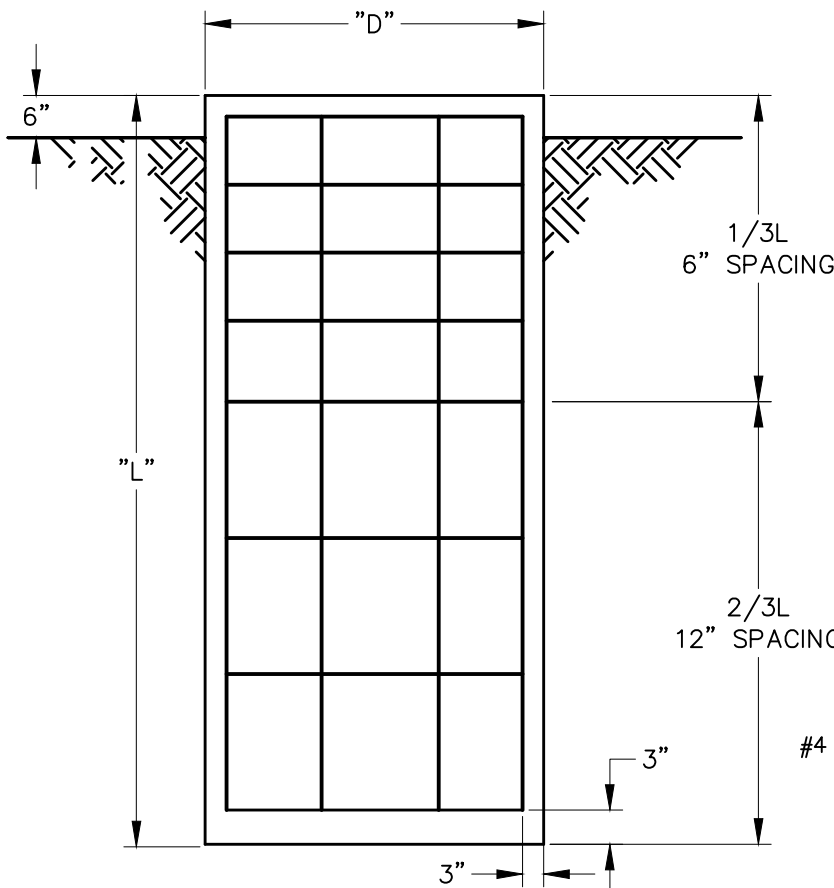
Dianna R. Jensen
DIANNA R. JENSEN
 P.E. No. C-56636

**STREET LIGHT W/ANTENA
 ANCHOR ADAPTER PLATE**

SHEET 5 OF 6 301-13

GENERAL NOTES:

1. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615 GRADE 60 OR EQUAL.
2. FOUNDATION TO BE CAST AGAINST UNDISTURBED SOIL.
3. FOUNDATION TO BE POURED MONOLITHICALLY.
4. SITE GRADE IS 7H TO 1V OR FLATTER.
5. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST ACI, LOCAL, AND STATE CODES.
6. DESIGN BASED ON SOILS CONDITIONS FROM PROVIDED GEOTECHNICAL SOIL REPORTS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT THE ACTUAL SITE SOIL CONDITIONS MEET OR EXCEED THE ASSUMED VALUES.
7. ANCHOR BOLT INFORMATION CAN BE FOUND ON SHEET 3.



REINFORCING POLE W/ANTENA

FOUNDATION SIZE(S)						
POLE	CAISSON DATA (EA)			LONGITUDINAL BARS (EA)		TRANSVERSE BARS (EA)
	DIAMETER "D" (FT)	LENGTH "L" (FT)	CONCRETE STRENGTH (PSI)	QUANTITY	SIZE	SIZE
30'0"	2.5	7	3,000	7	#8	#4

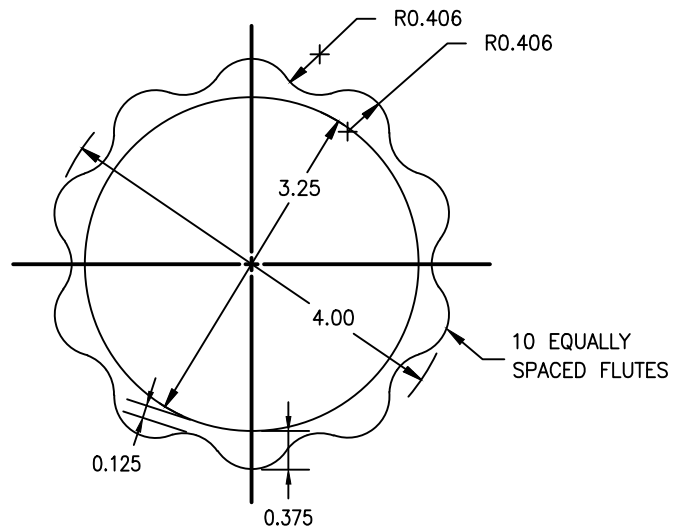
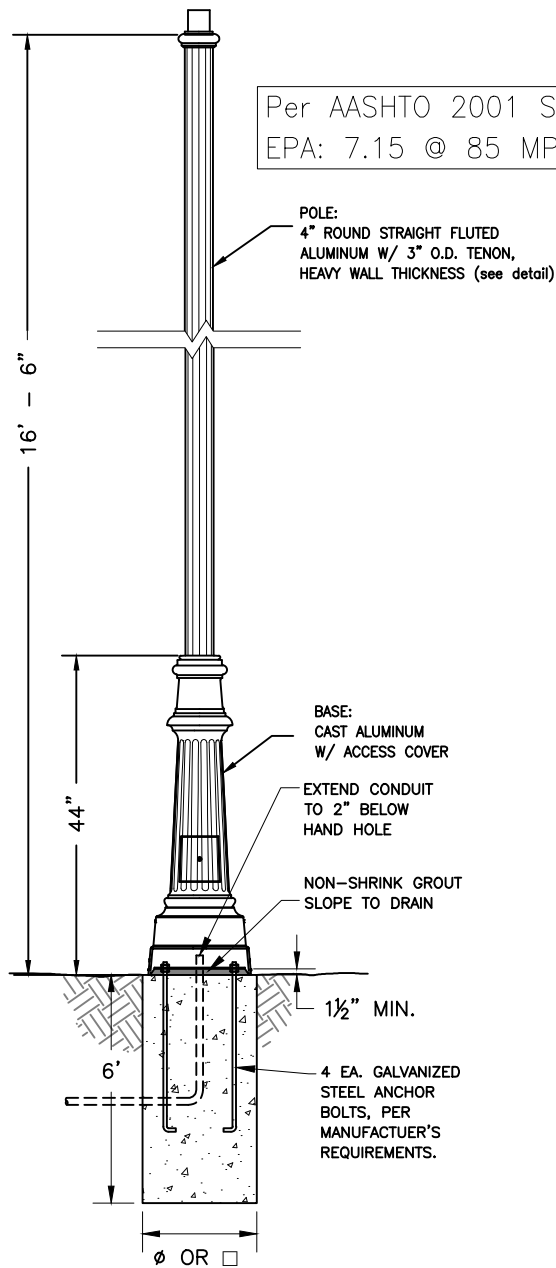
1	New detail	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

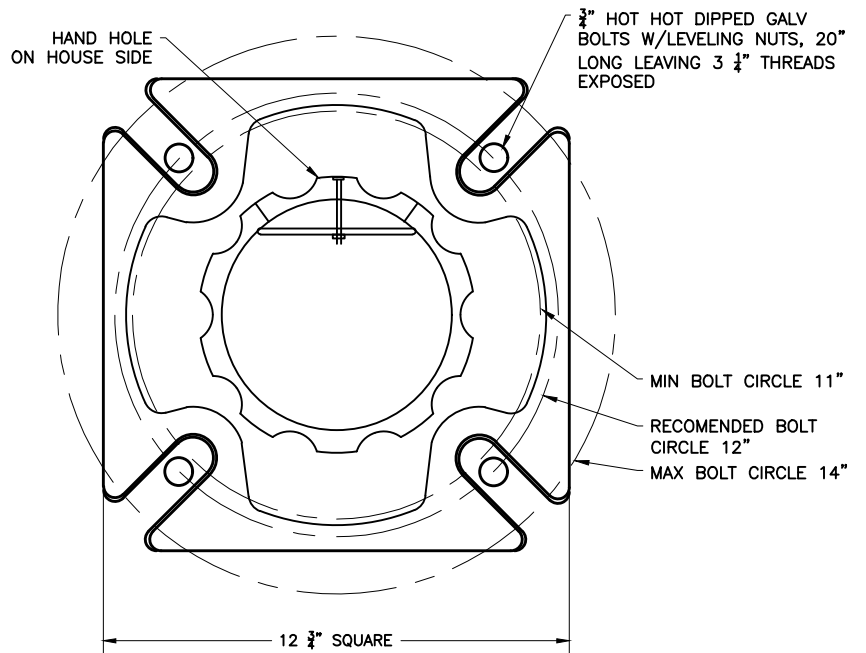
APPROVED October 7 20 24
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 DIANNA R. JENSEN
 P.E. No. C-56636

**LIGHT POLE W/ANTENA
 FOUNDATION**

Per AASHTO 2001 Standard,
EPA: 7.15 @ 85 MPH



POLE CROSS-SECTION
Scale 1:2



BASE TEMPLATE #T01000863

FOUNDATION			ANCHOR BOLTS	
F DEPTH	φ DIA.	□ SQ.	SIZE	BOLT CIRCLE
6'-0"	27"	24"	1"x36"x4"	10"-11 1/2"

HADCO POLE
SP5262 COLOR BLACK

1	Redrawn	5/24			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

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P.E. No. C-56636

**DECORATIVE STREET LIGHT
POLE**

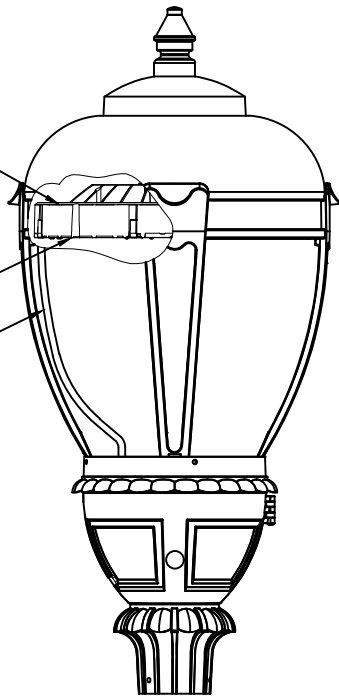
SHEET 1 OF 2

301-14

PHILIPS LEDGINE:
SEE NOTES FOR
SPECIFICATIONS

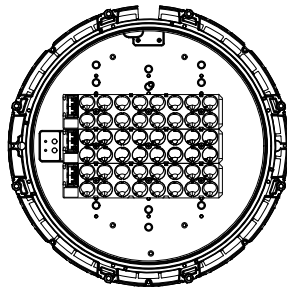
LENS:
FROSTED GLASS

WIREWAY: ALUMINUM

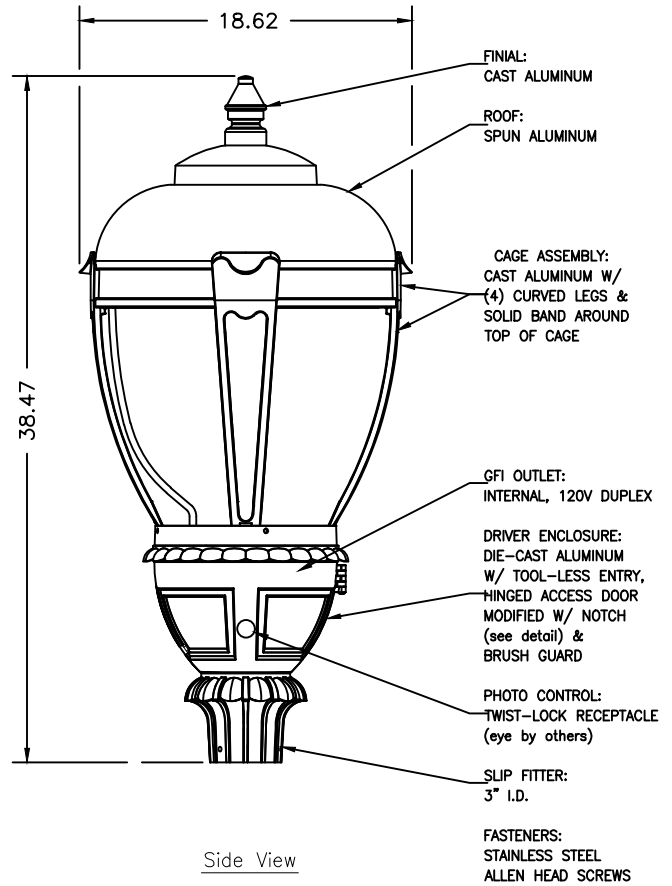


Bottom View
LEDgine Module Only

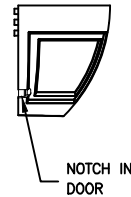
Streetside



Houseside



Side View



NON-RESIDENTIAL (3000K):

*C6895H-A3R73048A3NNNNA: LUMINAIRE, BLACK

RESIDENTIAL ONLY (2700K):

*C6895M-A3R82748A3NNNNA: LUMINAIRE, BLACK

*C6895M-X3R82748A3NNNNA: LUMINAIRE, SILVER

*fixtures as shown are not third party (ETL/UL) listed.

Lumilock LED Specifications:

- 48 (warm) LEDs, typical 75 Color Rendering Index (CRI), >60,000 hours of operational life (at 25°C ambient temperature & 70% lumen maintenance), aluminum core pcb, sealed acrylic lens, IP66 rated, Type 3 light distribution.
- Integral Advance Xitanium LED drivers, class 1, IP66 rated, 350mA, Intellivolt 120-277 VAC, 50-60Hz, RoHS compliant, field replaceable 10kV/10kA surge suppression.
- Manufactured to ISO 9001:2008 standards.
- Wattage: 51.8W

1	New detail, LED luminaire	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7 20 24

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P.E. No. C-56636

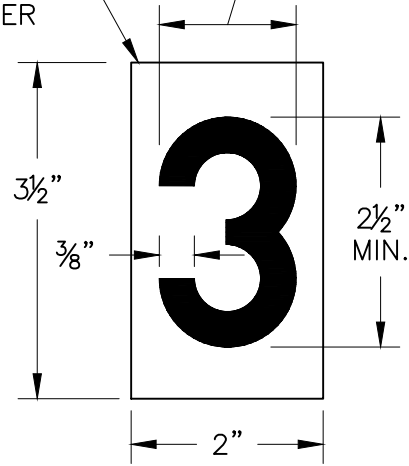
**DECORATIVE STREET LIGHT
LUMINAIRE**

SHEET 2 OF 2

301-14

RECTANGULAR PRESS-ON REFLECTORIZED ADHESIVE BACKING WITH BLACK LETTER OR NUMBER

1 3/8" MIN. (EXCEPT '1' & '1')



NUMBER DETAIL

STREET LIGHT NUMBER ASSIGNED BY PG&E AND CITY FOR METERED LIGHTS (SEE DETAIL)

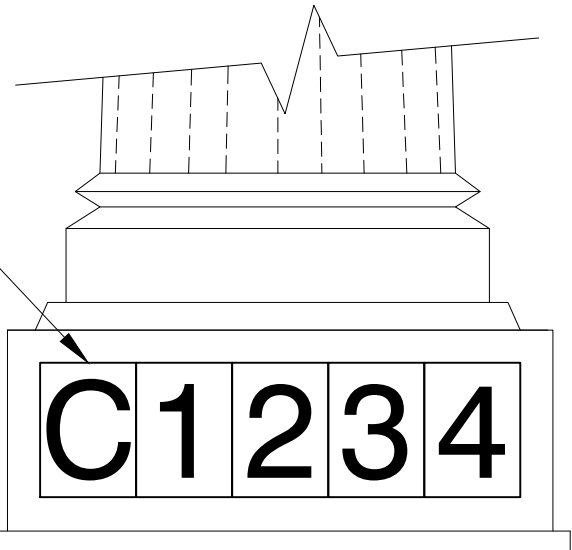
PLACE NUMBERS ON STREET SIDE OF POLE, PERPENDICULAR TO STREET CENTERLINE



8'

PLACE NUMBERS ON STREET SIDE OF POLE.

SIDEWALK OR TOP OF CURB



STREET LIGHT POLE

DECORATIVE LIGHT POLE

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

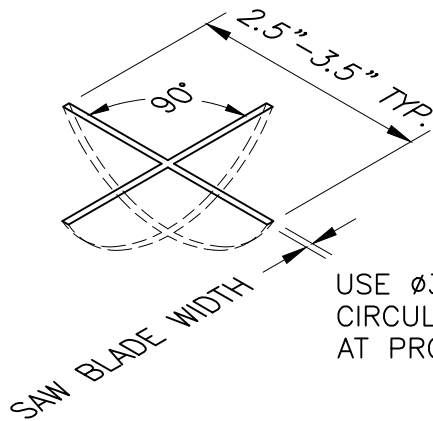
APPROVED October 7 20 24

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 P.E. No. C-56636

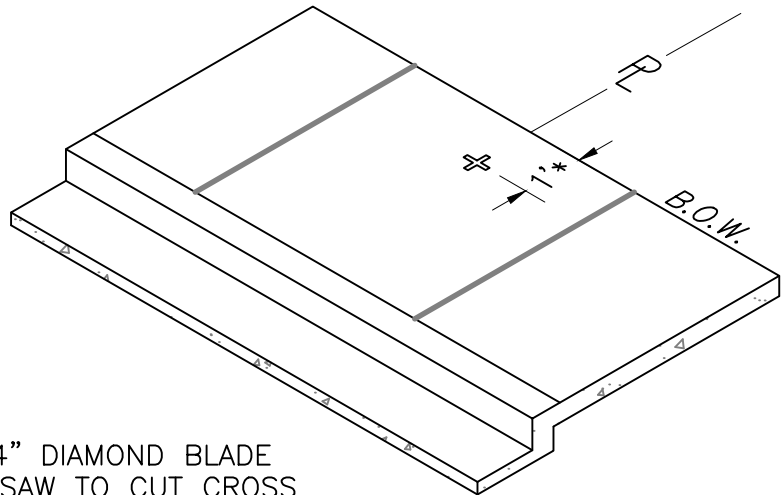
STREET LIGHT NUMBERS

SHEET 1 OF 1

301-15

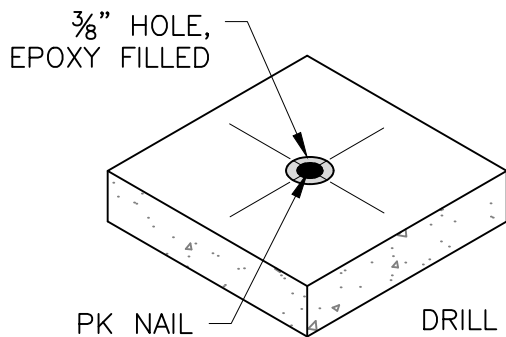


USE $\phi 3"$ – $4"$ DIAMOND BLADE
CIRCULAR SAW TO CUT CROSS
AT PROPERTY LINE AS SHOWN

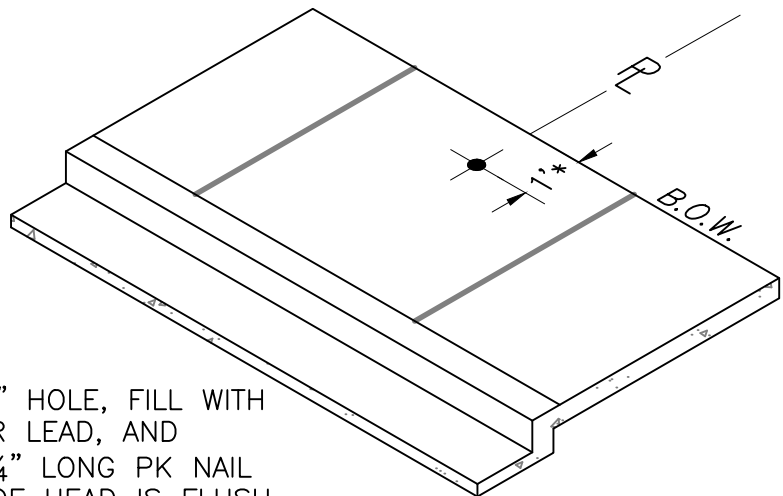


SAW CUT CROSS

* ALONG EXTENSION
OF PROPERTY LINE



DRILL $\phi \frac{3}{8}"$ HOLE, FILL WITH
EPOXY OR LEAD, AND
INSTALL $\frac{3}{4}"$ LONG PK NAIL
SO TOP OF HEAD IS FLUSH
WITH WALK



NAIL SET IN EPOXY OR LEAD

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7, 20 24

Dianna R. Jensen
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P.E. No. C-56636

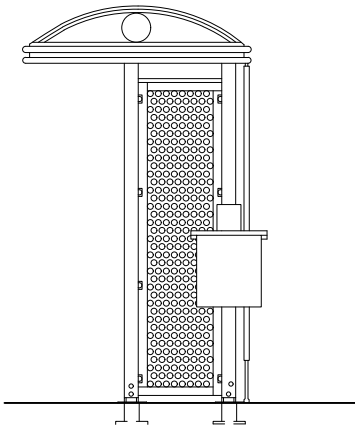
PROPERTY CORNER MARKER

SHEET 1 OF 1

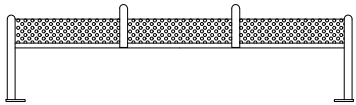
301-16

NOTES:

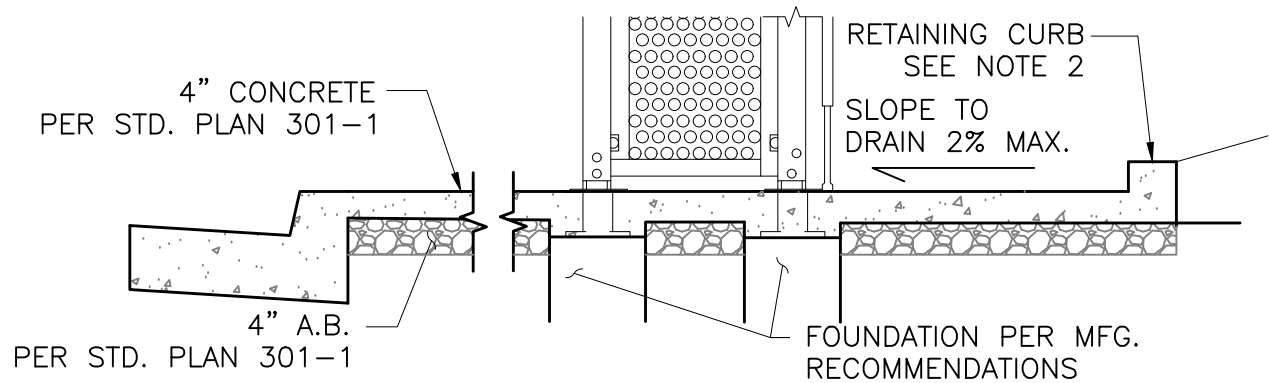
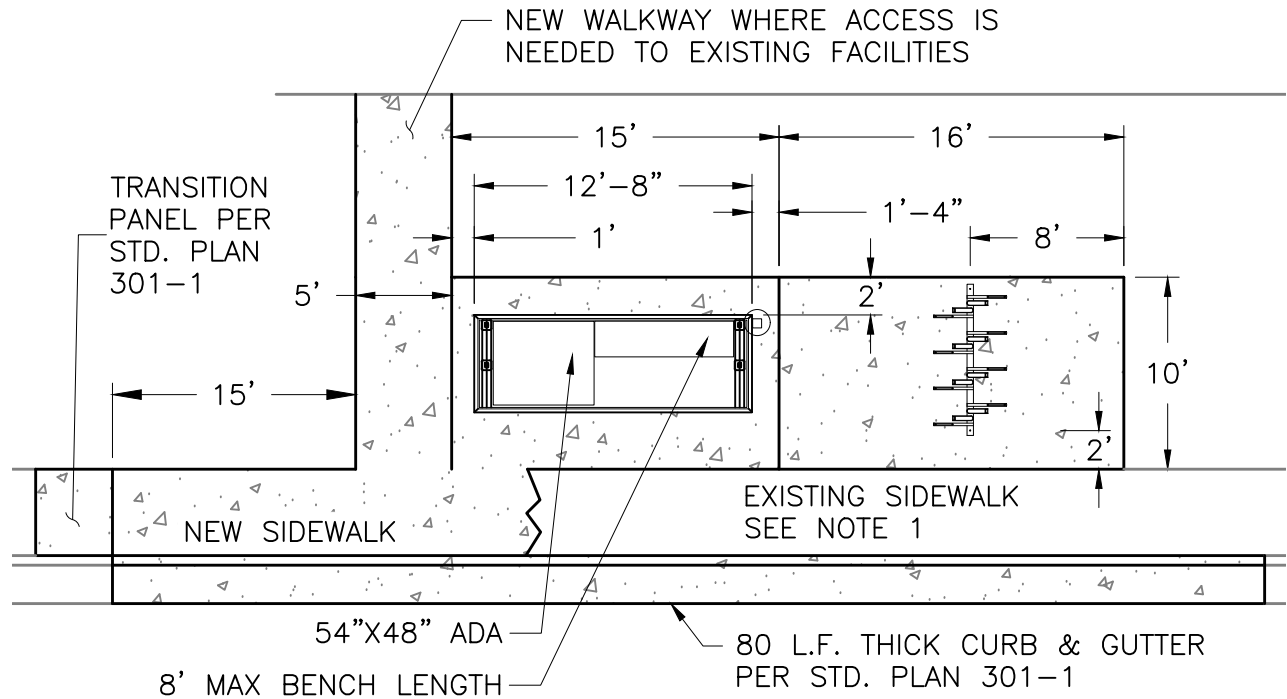
1. EXISTING SIDEWALK (OR BIKEPATH) MAY BE INCORPORATED IN DESIGN ONLY IF THERE ARE NO CRACKS AND CROSS-SLOPE IS LESS THAN 2% AT ALL PLACES.
2. RETAINING CURB IS ONLY REQUIRED WHERE ADJACENT GROUND IS HIGHER THAN TOP OF WALK.
3. SHELTER SHALL 13-FT TOLAR MANUFACTURING SIERRA SHELTER AND BENCH SHALL BE 6-FT TOLAR MANUFACTURING "SFBEN-08".
4. BIKE RACK WHERE INDICATED SHALL BE CREATIVE PIPE 'LIGHTNING BOLT LR SERIES'
5. THICK CURB AND GUTTER SHALL BE PAINTED RED.



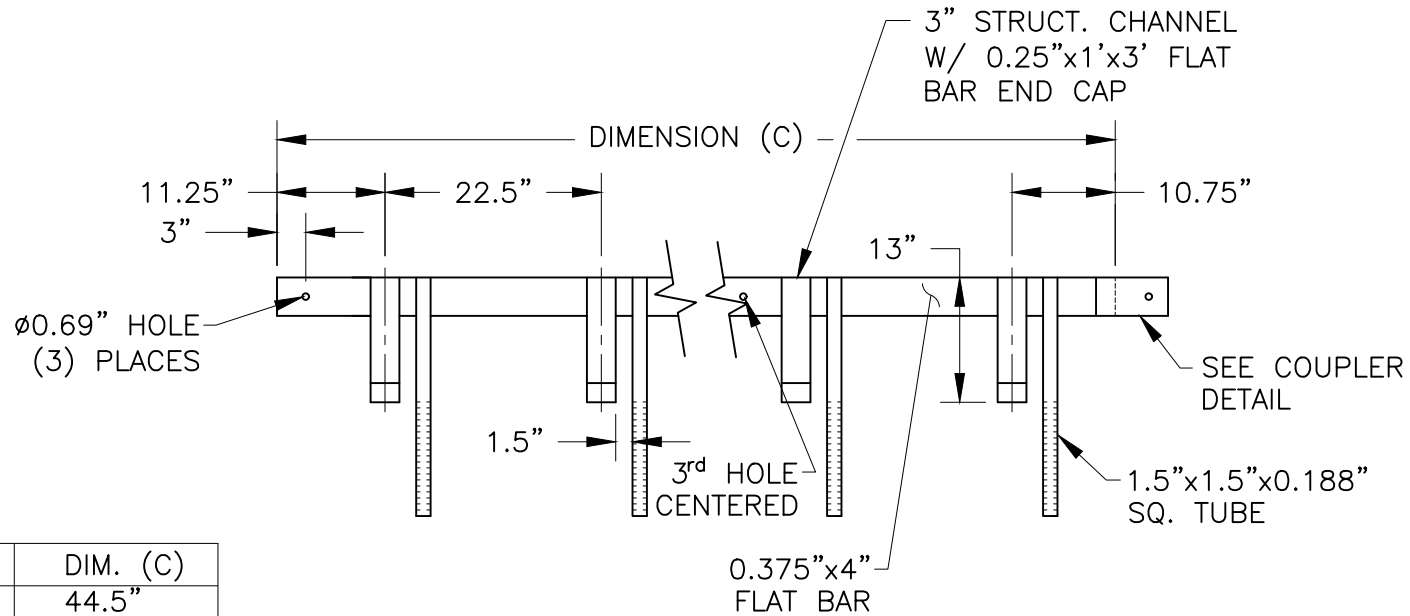
13' SIERRA TOLAR MANUFACTURING BUS SHELTER:



6' SFBEN-08 TOLAR MANUFACTURING BENCH:



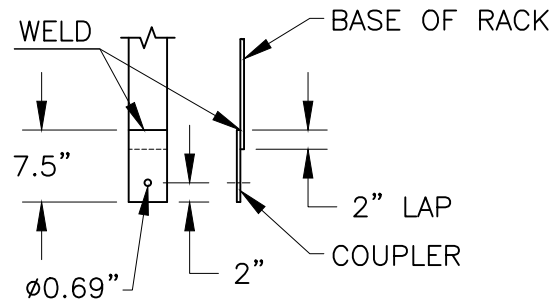
CITY OF DAVIS STANDARD PLAN		
	APPROVED <u>October 7</u> 20 <u> </u>	BUS STOP SHELTER
Rev.	Description	Date
	DIANNA R. JENSEN P.E. No. C-56636	
SHEET <u> 1 </u> OF <u> 1 </u>		301-17



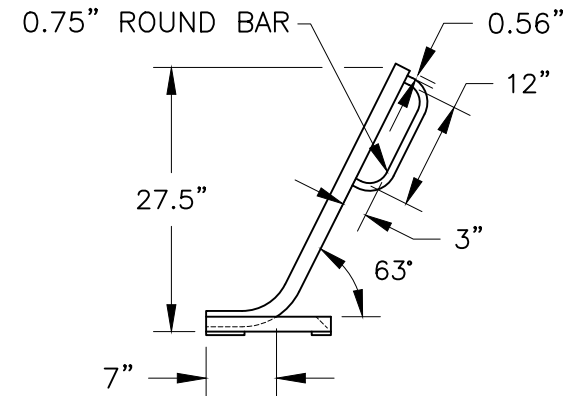
MODEL #	DIM. (C)
LR-P-2	44.5"
LR-P-3	67.0"
LR-P-4	89.5"
LR-P-5	112.0"

TOP VIEW

WHEN CONNECTING TWO OR MORE UNITS TOGETHER, A COUPLER IS WELDED ON THE SHORT END OF THE CONNECTING RACK. THIS WILL ELIMINATE THE END HOLE ONLY ON THE CONNECTING RACK. WHEN BOLTED TOGETHER A MAX. SPACE OF A 1/2" IS HELD BETWEEN THE CONNECTING RACKS.



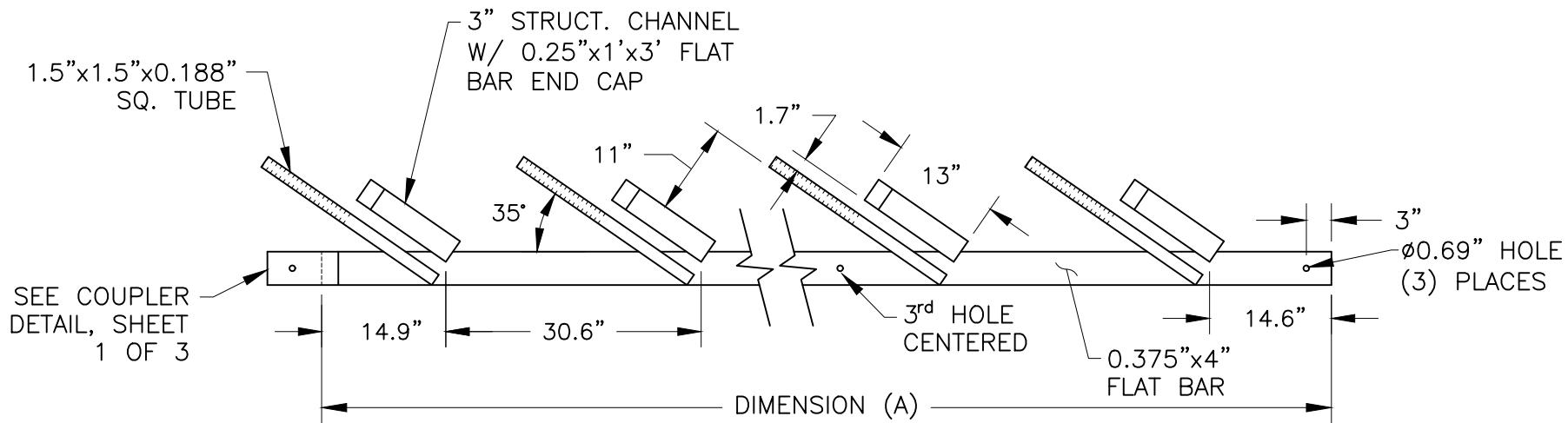
COUPLER DETAIL



SIDE VIEW


1	Renumbered from 301-19	3/21
Rev.	Description	Date

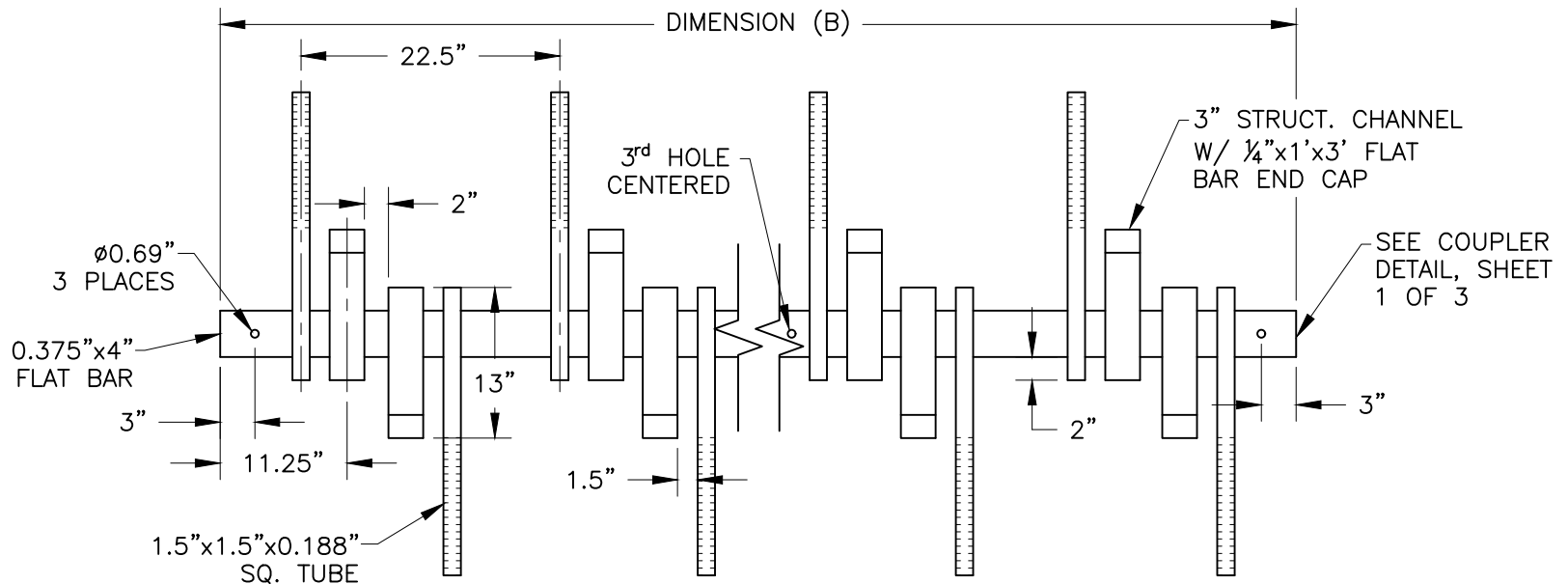
CITY OF DAVIS STANDARD PLAN	
BICYCLE RACK LR SERIES LR-P	
APPROVED <u>October 7, 2024</u> <i>Dianna R. Jensen</i> DIANNA R. JENSEN P.E. No. C-56636	SHEET <u>1</u> OF <u>5</u> 301-18



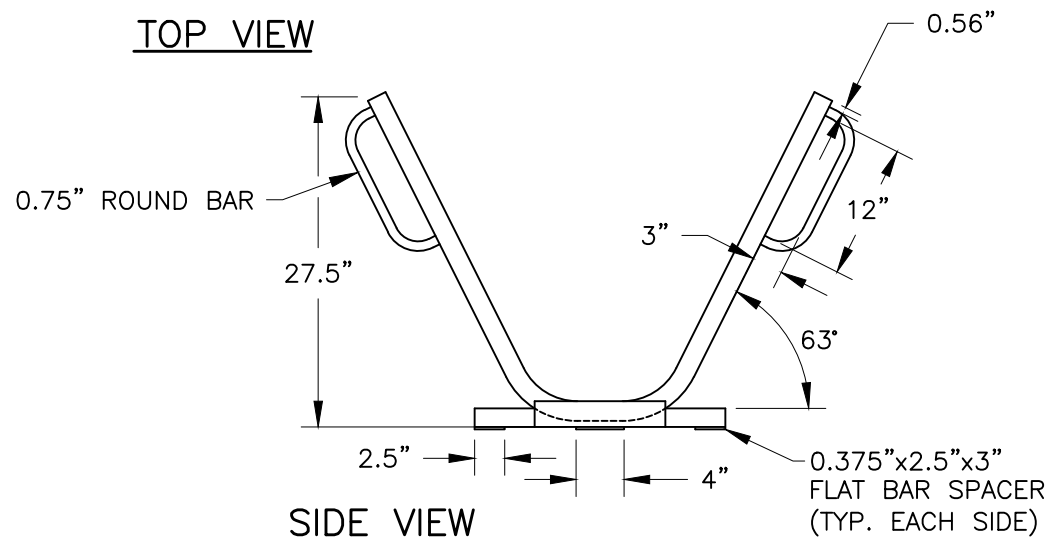
TOP VIEW

MODEL #	DIM. (A)
LR-D-2	59.5"
LR-D-3	89.5"
LR-D-4	119.5"

1	Renumbered from 301-19	3/21	CITY OF DAVIS STANDARD PLAN	
			BICYCLE RACK LR SERIES	
			LR-D	
Rev.	Description	Date	APPROVED <u>October 7, 20 24</u>  DIANNA R. JENSEN P.E. No. C-56636	
			SHEET <u>2</u> OF <u>5</u>	301-18



TOP VIEW

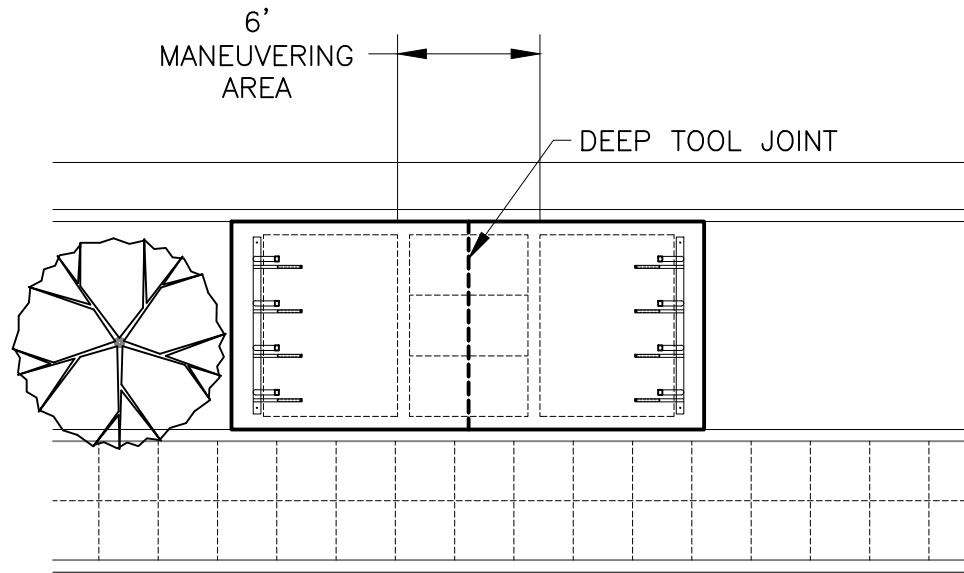


SIDE VIEW

MODEL #	DIM. (B)
LR-XP-2	27.0"
LR-XP-4	49.5"
LR-XP-6	72.0"
LR-XP-8	94.5"

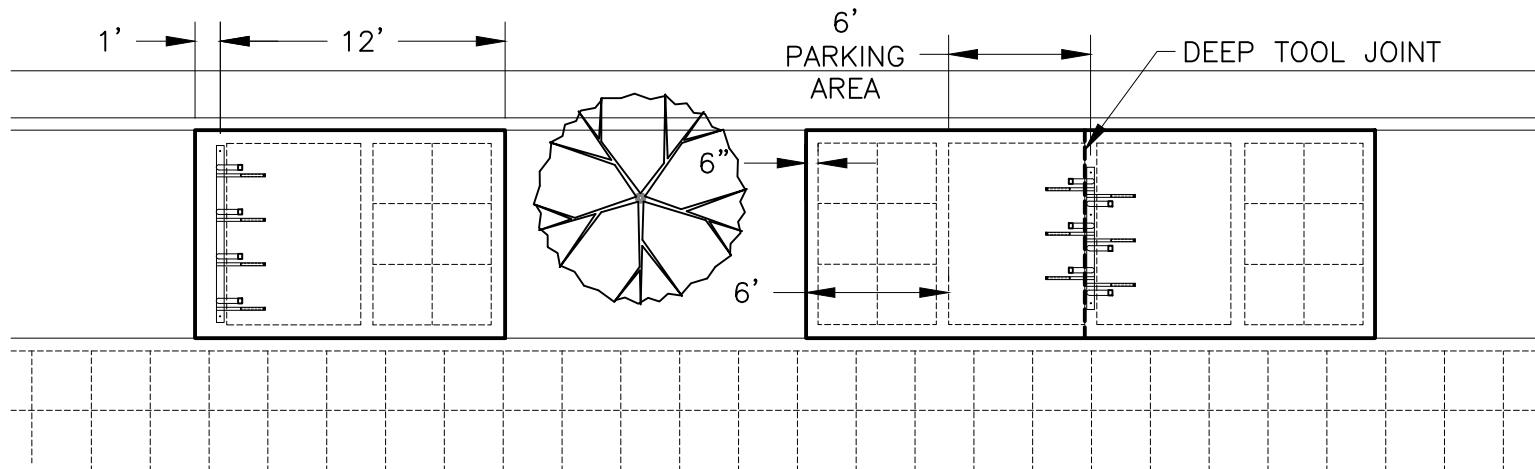
1	Renumbered from 301-19	3/21
Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN	
BICYCLE RACK LR SERIES	
LR-XP	
APPROVED <u>October 7, 20 24</u>	SHEET <u>3</u> OF <u>5</u>
<i>Dianna R. Jensen</i> DIANNA R. JENSEN P.E. No. C-56636	301-18



NOTES:

1. CONCRETE SHALL BE 4" THICK ON 4" AB AS PER 301-1 AND DOWELED.
2. SCORING PATTERNS SHOWN ARE USED IN THE HISTORICAL DISTRICT WHERE LAMPBLACK IS REQUIRED.
3. PARKING AREA TO BE 6', MANEUVERING AREA TO BE 6' (4' MIN).



CITY OF DAVIS STANDARD PLAN

BIKE RACK PADS

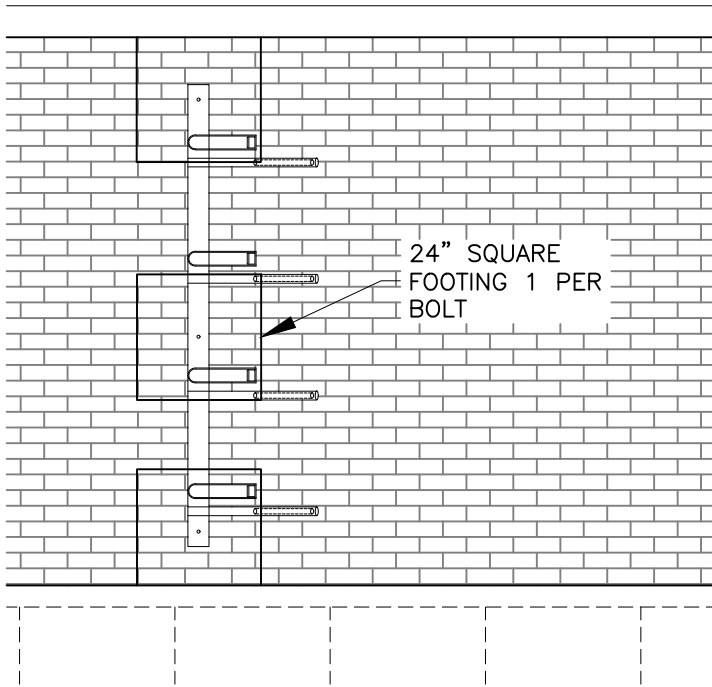
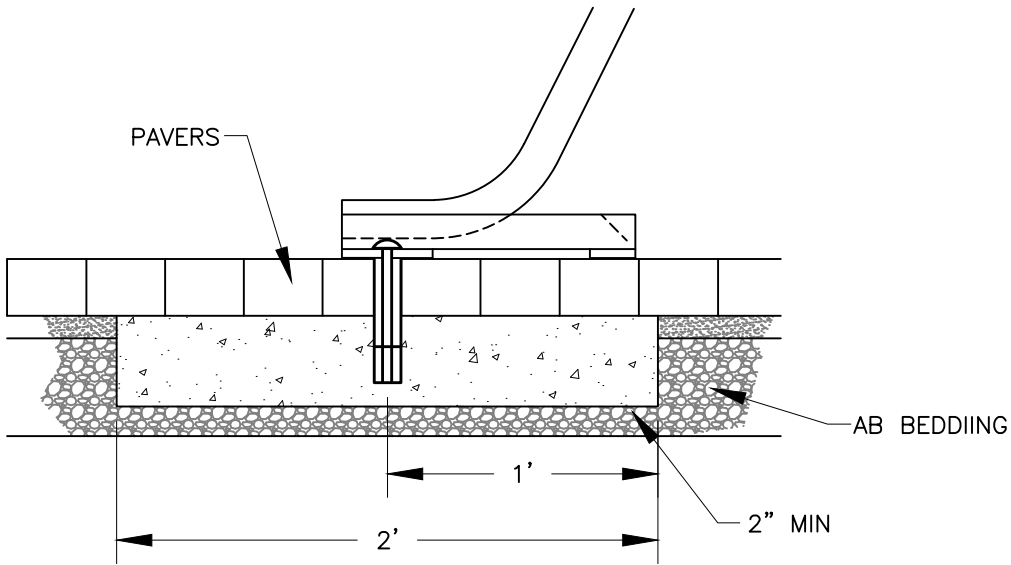
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 P.E. No. C-56636

SHEET 4 OF 5

301-18

Rev.	Description	Date



NOTE:
BOLT LENGTH TO BE
THICKNESS OF PAVER
PLUS 3".

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

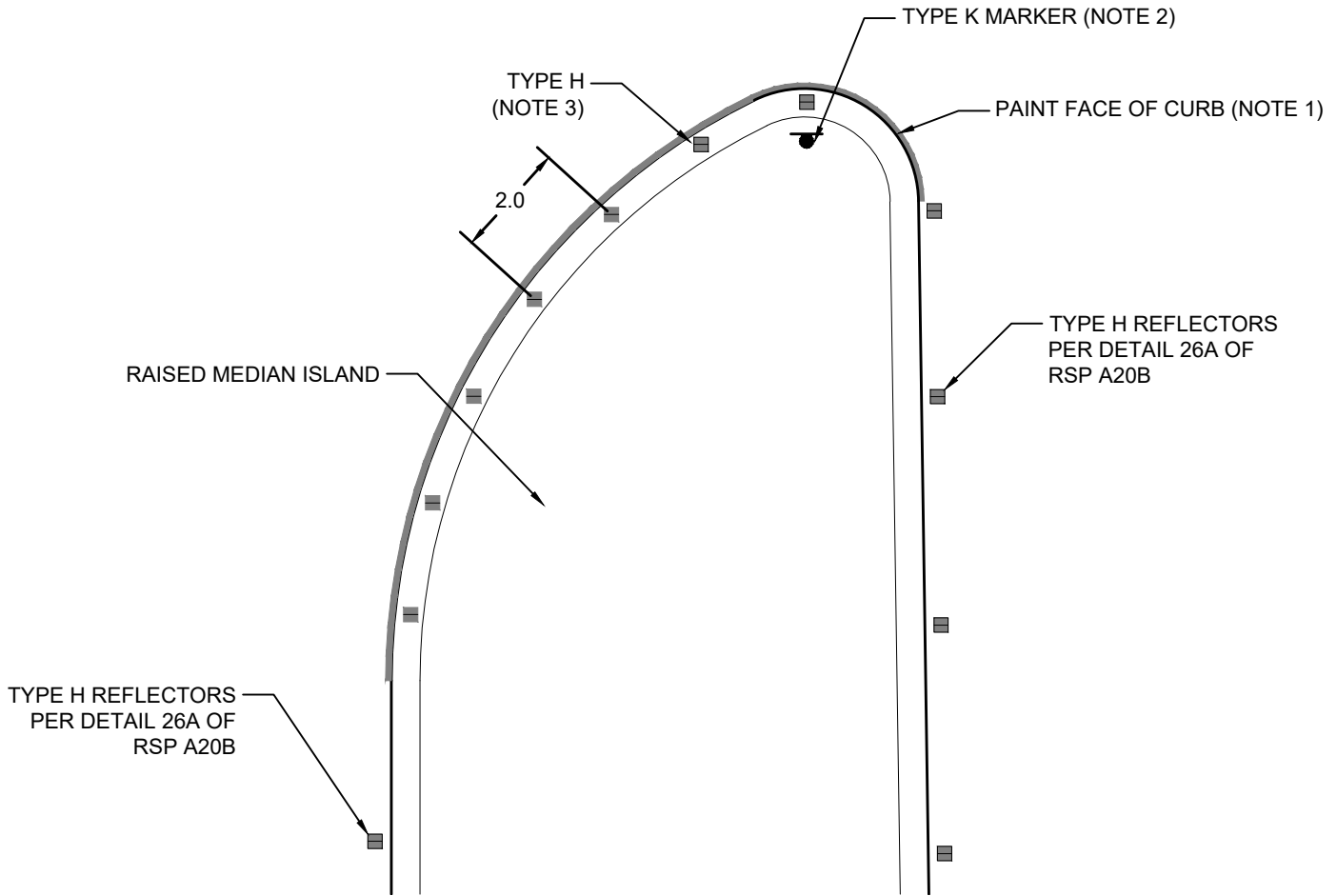
APPROVED October 7, 20 24

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DIANNA R. JENSEN
P.E. No. C-56636

BIKE RACK INSTALLATION IN PAVER AREA

SHEET 5 OF 5

301-18



NOTES:

1. PAINT NOSE WITH HIGHLY REFLECTIVE YELLOW TRAFFIC PAINT WITH GLASS BEADS.
2. FLEXIBLE TYPE K MARKER.
3. TYPE H ONE-WAY YELLOW REFLECTIVE MARKER (HIGH INTENSITY) 24" O.C. SPACING, 3 MIN.

1	New detail	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7 20 24

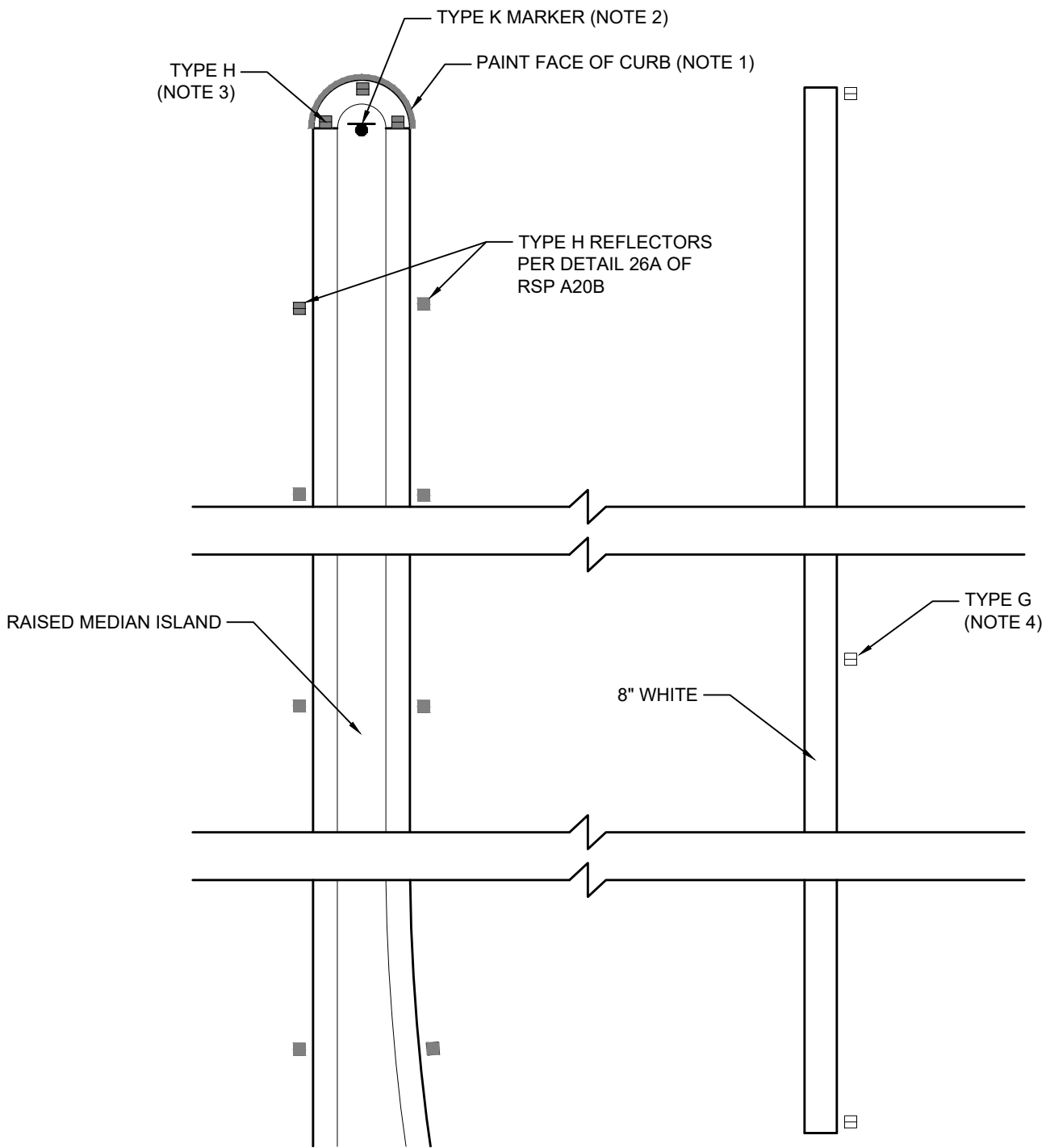
Dianna R. Jensen

 DIANNA R. JENSEN
 P.E. No. C-56636

**RAISED MEDIAN NOSE
 MARKING DETAIL**

SHEET 1 OF 3

301-19



NOTES:

1. PAINT NOSE WITH HIGHLY REFLECTIVE YELLOW TRAFFIC PAINT WITH GLASS BEADS.
2. FLEXIBLE TYPE K MARKER.
3. TYPE D TWO-WAY YELLOW REFLECTIVE MARKER (HIGH INTENSITY) 24" O.C. SPACING, 5 MIN.
4. TYPE G (SPACED PER CALTRANS RSP A20C DETAIL 38B)

1	New detail	3/21			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

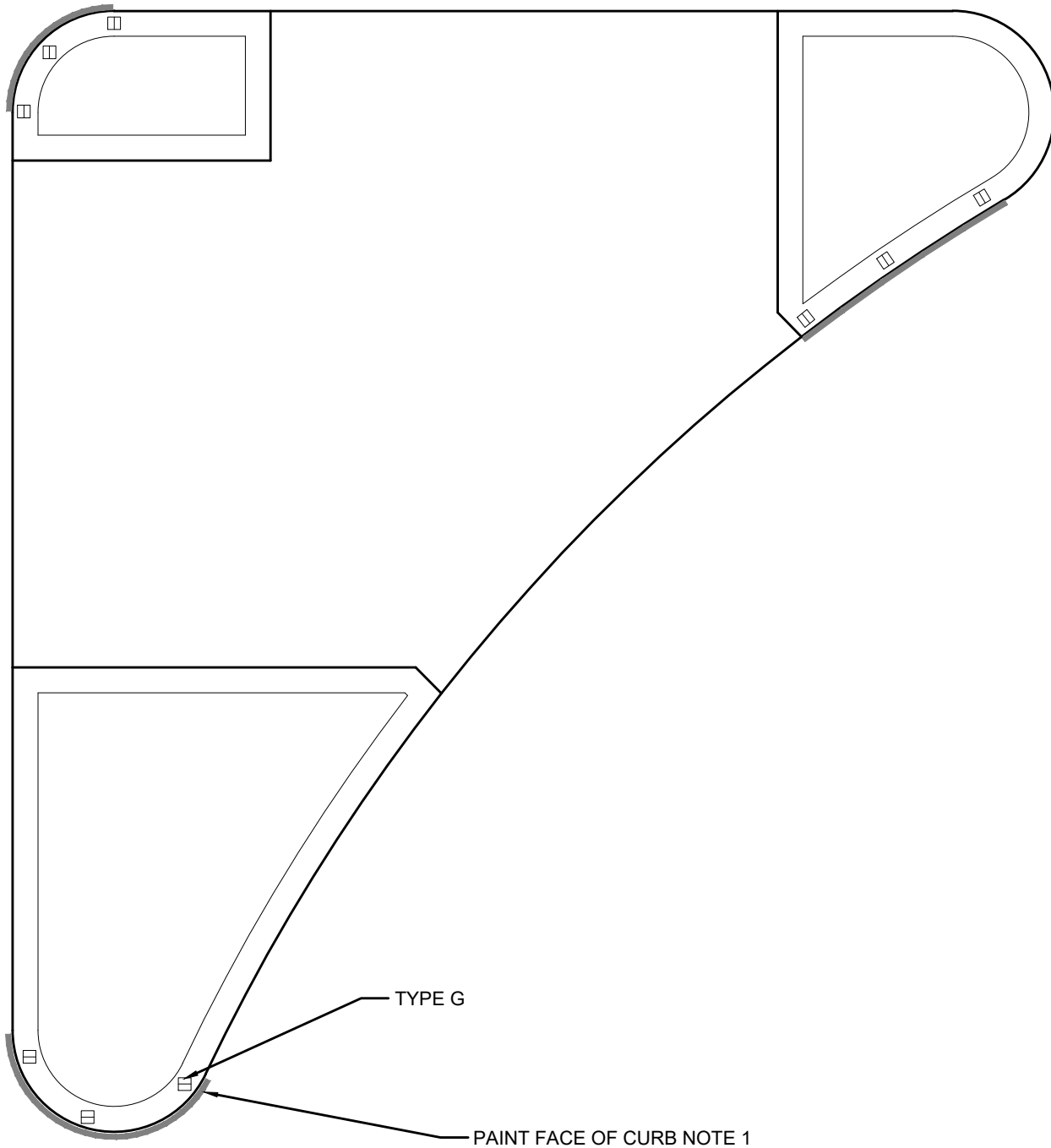
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 DIANNA R. JENSEN
 P.E. No. C-56636

**RAISED MEDIAN NOSE MARKING DETAIL
 AT LEFT TURN POCKET**

SHEET 2 OF 3

301-19




NOTES:

1. PAINT NOSE WITH HIGHLY REFLECTIVE WHITE TRAFFIC PAINT WITH GLASS BEADS.
2. TYPE G ONE-WAY WHITE REFLECTIVE MARKER (HIGH INTENSITY) 24" O.C. SPACING, 3 MIN.

1	New detail	3/21			
Rev.	Description	Date	Rev.	Description	Date

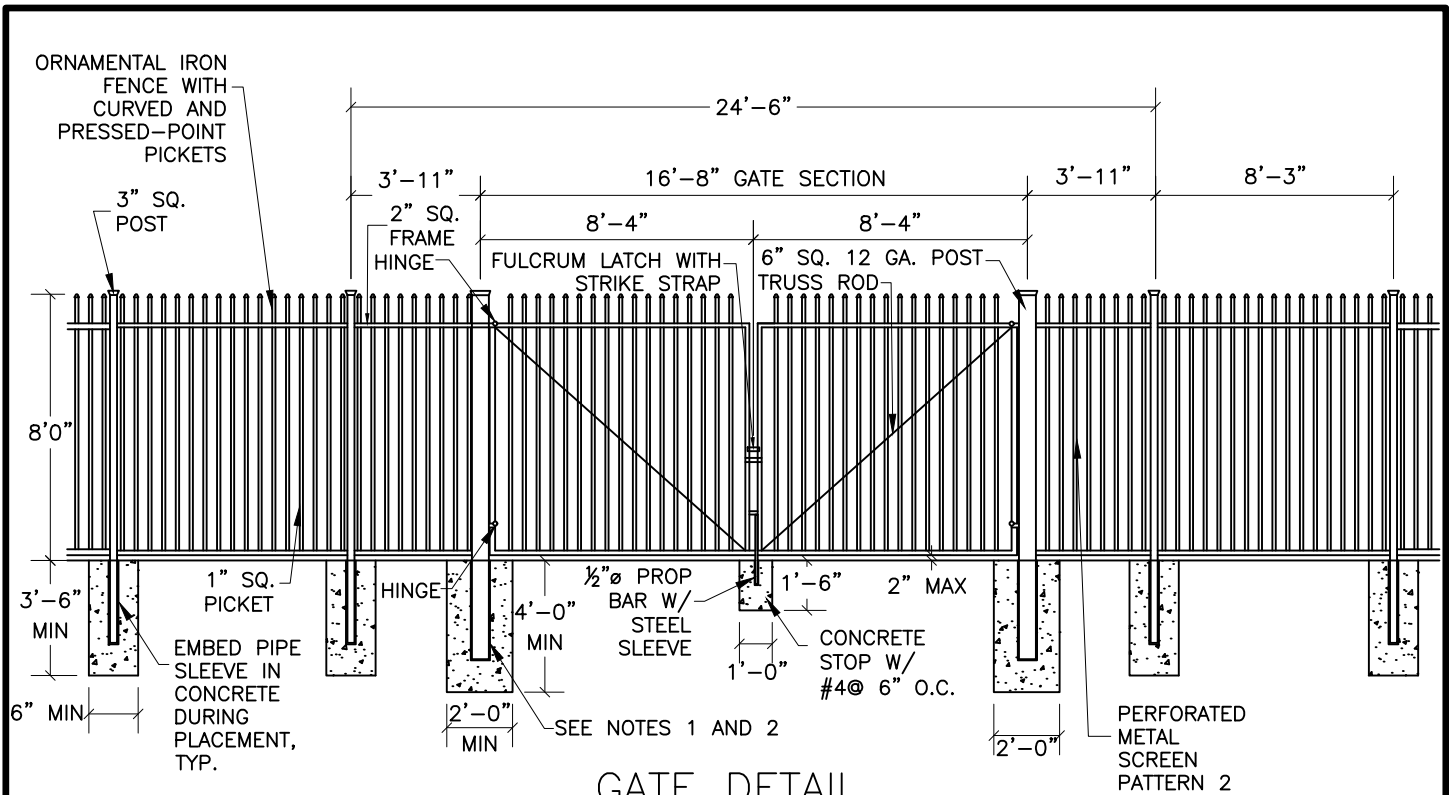
CITY OF DAVIS STANDARD PLAN

APPROVED October 7 20 24

 DIANNA R. JENSEN
 P.E. No. C-56636

**PORK CHOP ISLAND NOSE
 MARKING DETAIL**

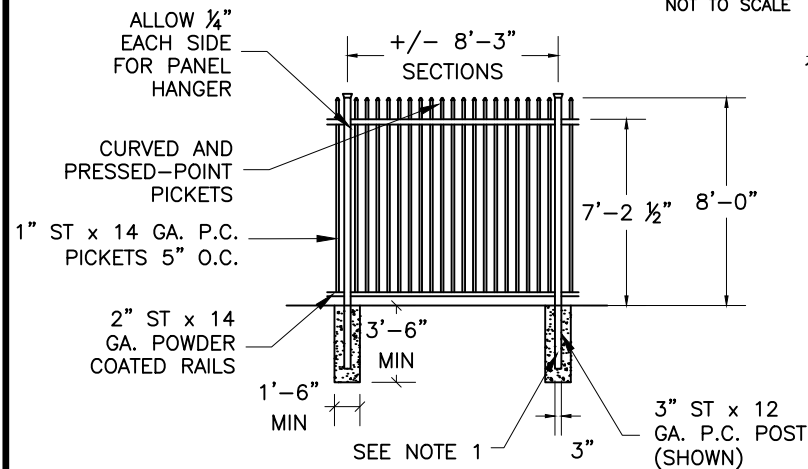
SHEET 3 OF 3

301-19



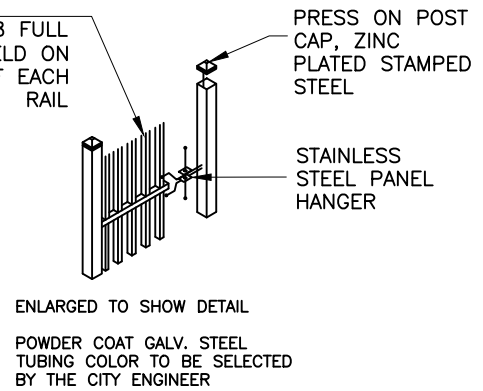
GATE DETAIL

NOT TO SCALE



FENCE DETAIL

NOT TO SCALE



ENLARGED TO SHOW DETAIL

POWDER COAT GALV. STEEL TUBING COLOR TO BE SELECTED BY THE CITY ENGINEER

NOTES:

1. POST AND FOOTING DIMENSIONS MAY VARY AS REQUIRED BY SITE CONDITIONS.
2. ROLLING GATES MUST BE ON METAL V GROOVE TRACKS AND HAVE A MINIMUM OF 2 WHEELS OR AS APPROVED BY THE CITY ENGINEER.
3. ALL STEEL POSTS, RAILS, AND PICKETS SHALL BE SHOP WELDED AND GROUND SMOOTH. FIELD WELDS SHALL NOT BE ALLOWED.
4. ALL GATE HARDWARE SHALL BE PAINTED THE SAME COLOR AS FENCING.

1.	New detail	9/24			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

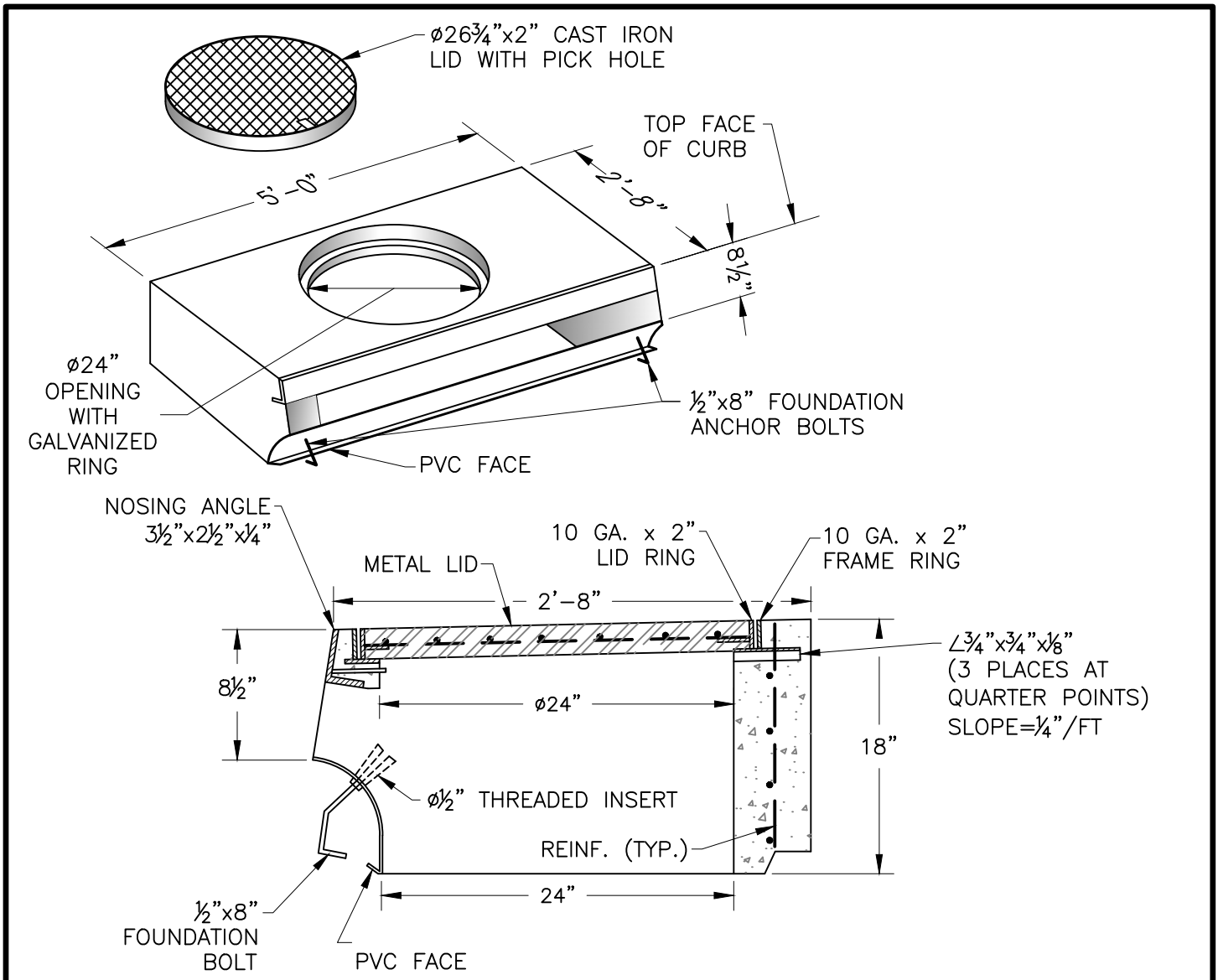
APPROVED October 7, 2024

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 DIANNA R. JENSEN
 P.E. No. C-56636

CURVED AND PRESSED-POINT PICKET FENCE AND GATE

SHEET 1 OF 1

301-20




NOTES:

SECTION AT MIDPOINT

1. ALL EXPOSED METAL PARTS, EXCEPT FOR THE METAL LID, SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION PER ASTM 123.
2. ALL DROP INLET TOPS SHALL BE PRECAST.
3. APPROVED TOPS ARE JENSEN PRECAST CBI2448 WITHOUT GUARD ROD, WITH ANGLED NOSE OR APPROVED EQUAL.
4. INLET TOP SHALL BE SET SO THE SURFACE IS LESS THAN 2% SLOPE IN ALL DIRECTIONS.
5. LID SHALL BE FLUSH WITH SURFACE, AND NOT EXCEED 1/16 OF AN INCH DIFFERENCE IN HEIGHT FROM THE OPENING.
6. SURFACE FINISH SHALL BE A MEDIUM BROOM FINISH, AND INSPECTED BY THE CITY INSPECTOR PRIOR TO INSTALLATION.

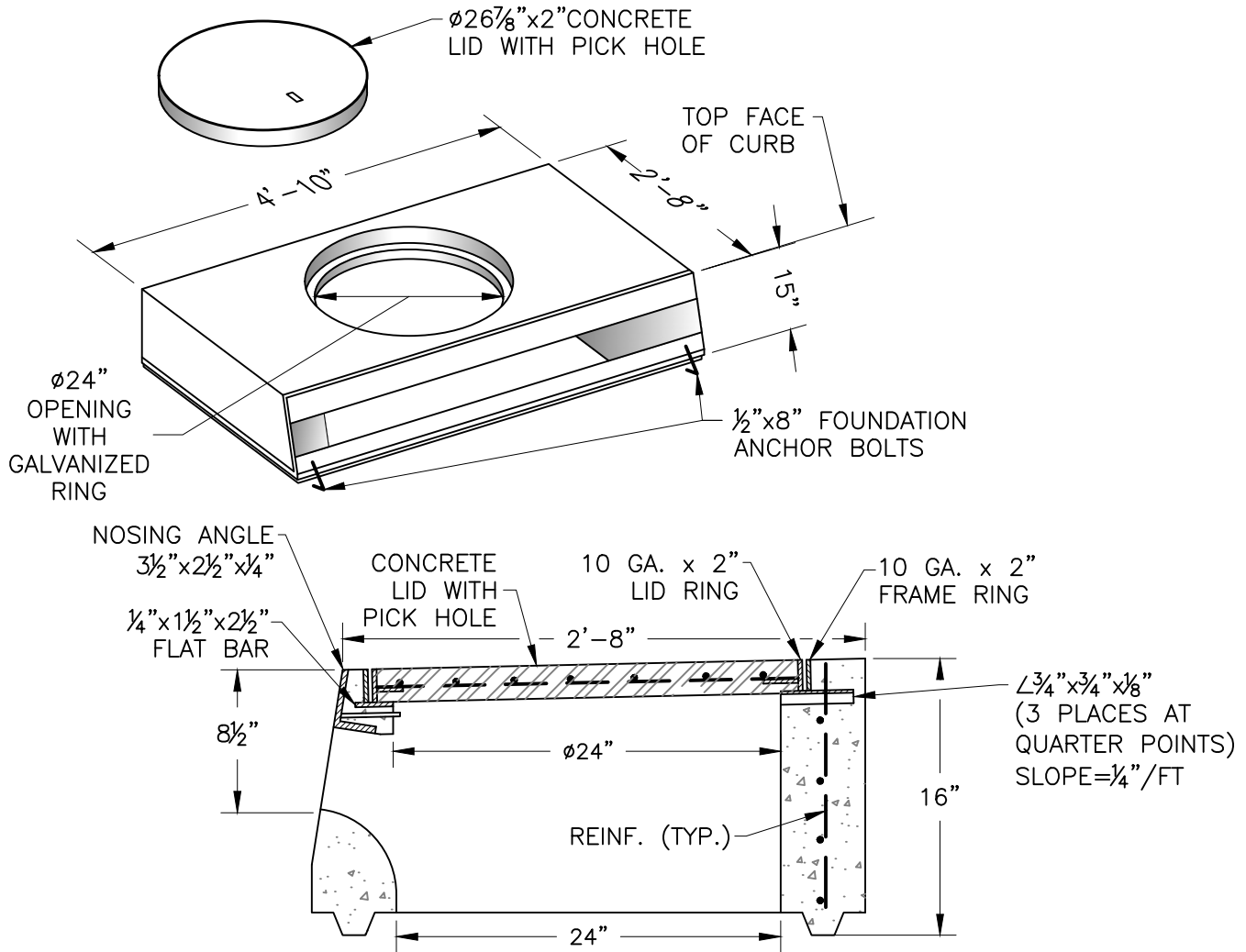
1	Changed to Jensen Precast	8/24			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

APPROVED October 7 20 24

 DIANNA R. JENSEN
 P.E. No. C-56636

**DROP INLET TOP
DETAIL**

SHEET 1 OF 8 401-1



SECTION AT MIDPOINT

NOT FOR NEW CONSTRUCTION

NOTES:

1. ALL EXPOSED METAL PARTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION PER ASTM 123.
2. ALL DROP INLET TOPS SHALL BE PRECAST.
3. APPROVED TOPS ARE OLD CASTLE PRECAST CHRISTY U37 WITH ANGLE NOSE.
4. INLET TOP SHALL BE SET SO THE SURFACE IS LESS THAN 2% SLOPE IN ALL DIRECTIONS.
5. LID SHALL BE FLUSH WITH SURFACE, AND NOT EXCEED 1/8 OF AN INCH DIFFERENCE IN HEIGHT FROM THE OPENING.
6. SURFACE FINISH SHALL BE A MEDIUM BROOM FINISH, AND INSPECTED BY THE CITY INSPECTOR PRIOR TO INSTALLATION.

1	New Detail	8/24			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

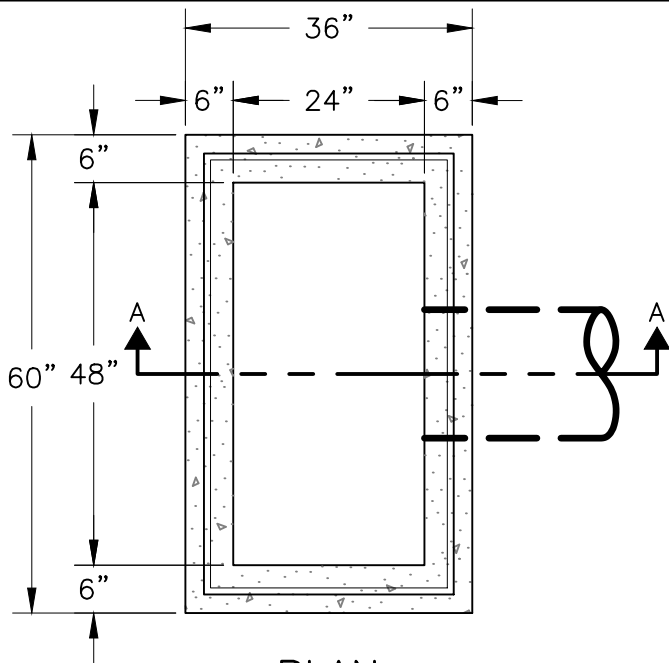
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U37 DROP INLET TOP REPLACEMENT DETAIL

SHEET 2 OF 8

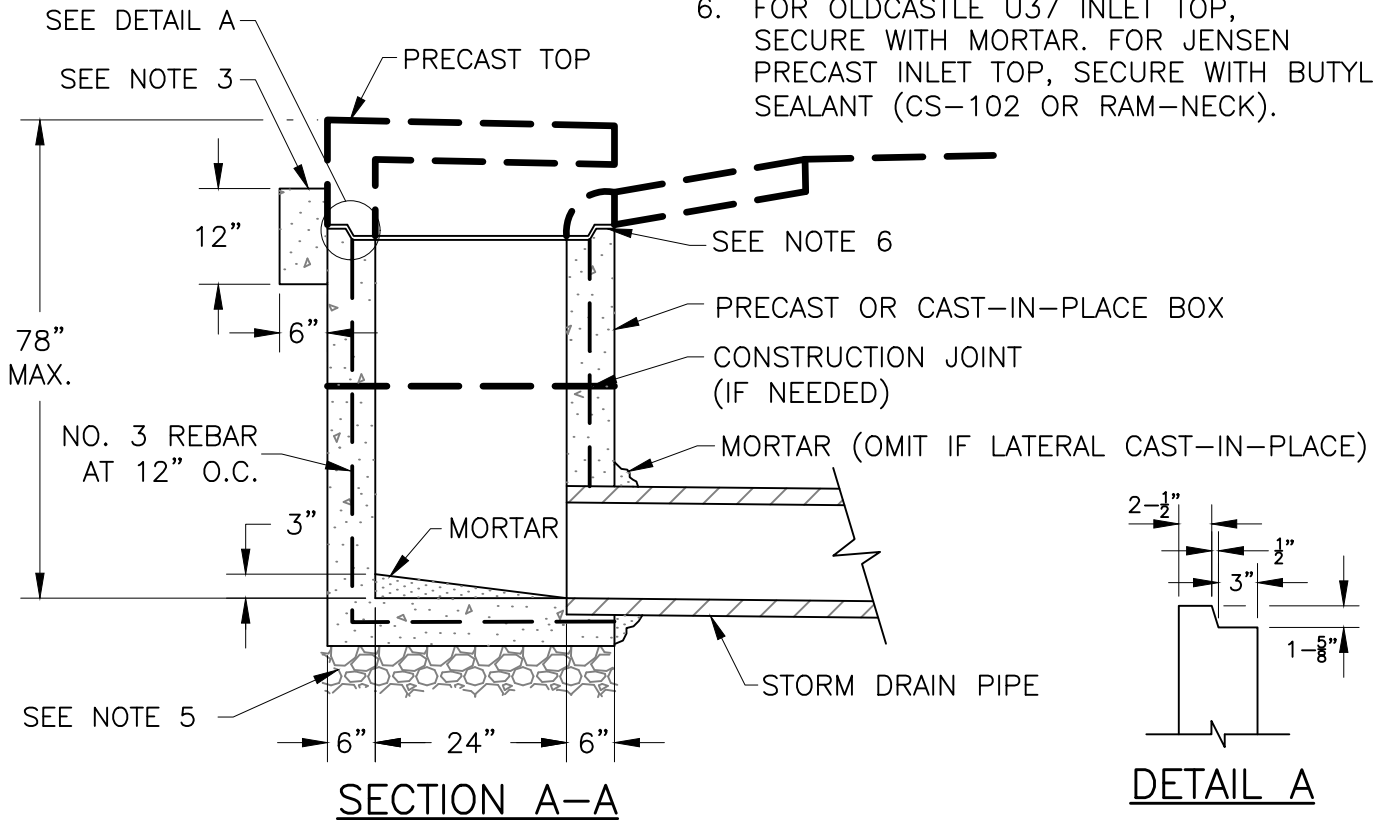
401-1



PLAN

NOTES:

1. BASE SHALL BE PRE-CAST. A CAST-IN-PLACE BASE MAY BE USED WITH CITY ENGINEER'S WRITTEN APPROVAL.
2. APPROVED PRECAST BASES ARE JENSEN CBI 2448 OR APPROVE EQUAL.
3. PLACE CONCRETE COLLAR AT JOINT BETWEEN TOP & BASE IN AREAS WHERE THERE IS NO CONTIGUOUS SIDEWALK.
4. BOX SHALL BE H-20 TRAFFIC RATED.
5. PROVIDE 6" MIN OF CLASS II AB COMPACTED TO 95% UNDER PRECAST BASE. PLACE CAST-IN-PLACE BASE AGAINST UNDISTURBED SOIL.
6. FOR OLDCASTLE U37 INLET TOP, SECURE WITH MORTAR. FOR JENSEN PRECAST INLET TOP, SECURE WITH BUTYL SEALANT (CS-102 OR RAM-NECK).



SECTION A-A

DETAIL A

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

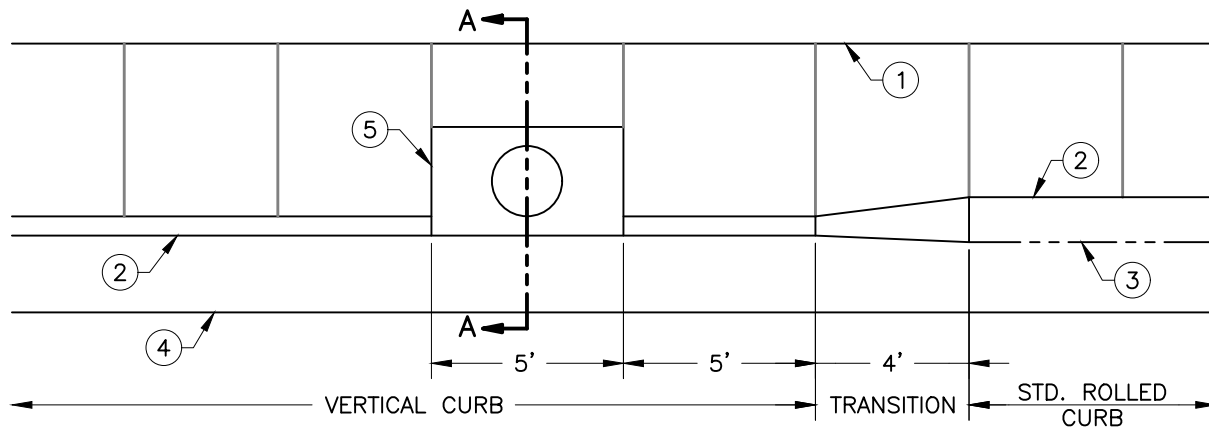
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 P.E. No. C-56636

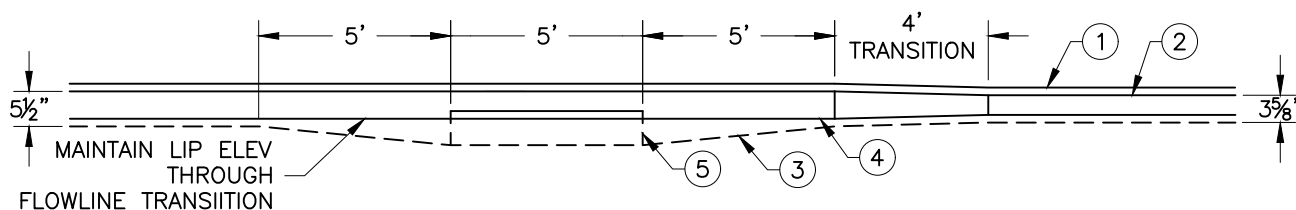
**DROP INLET
 BASE DETAIL**

SHEET 3 OF 8

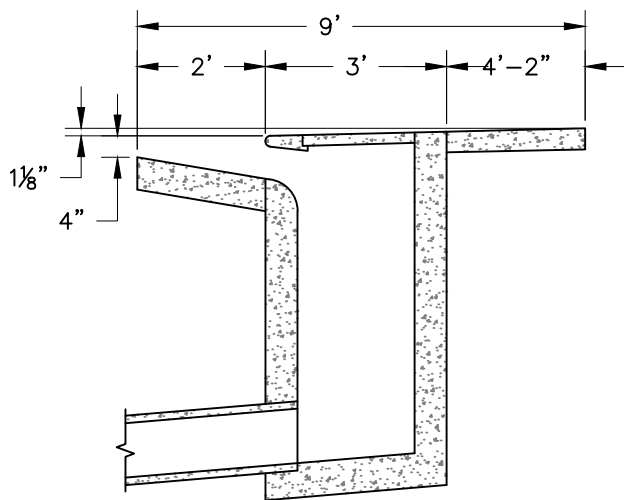
401-1



PLAN VIEW



PROFILE



SECTION A-A

KEY

- 1. BACK OF WALK
- 2. TOP OF CURB
- 3. FLOW LINE
- 4. GUTTER LIP
- 5. CURB INLET

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

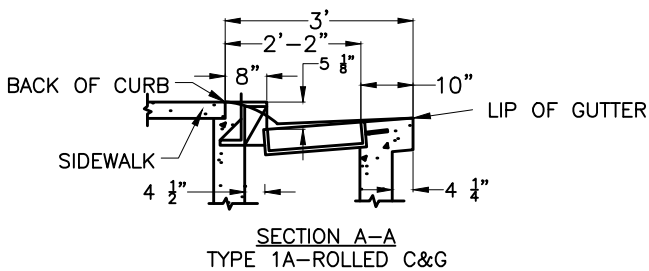
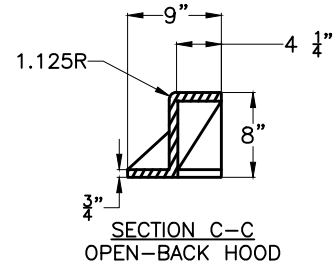
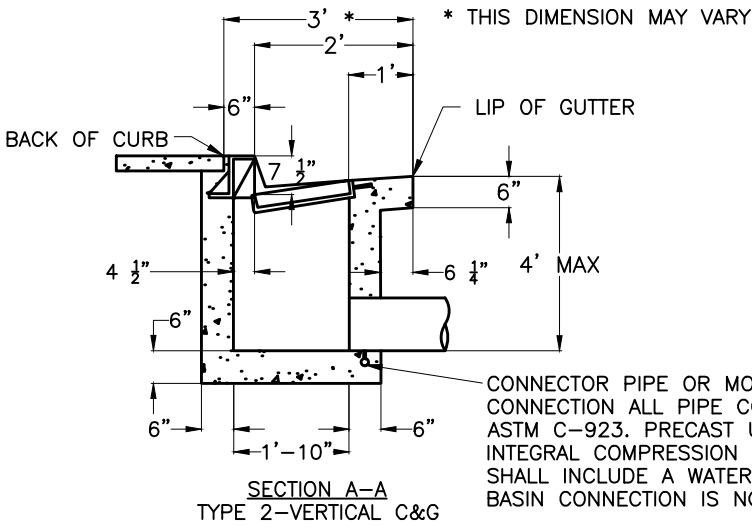
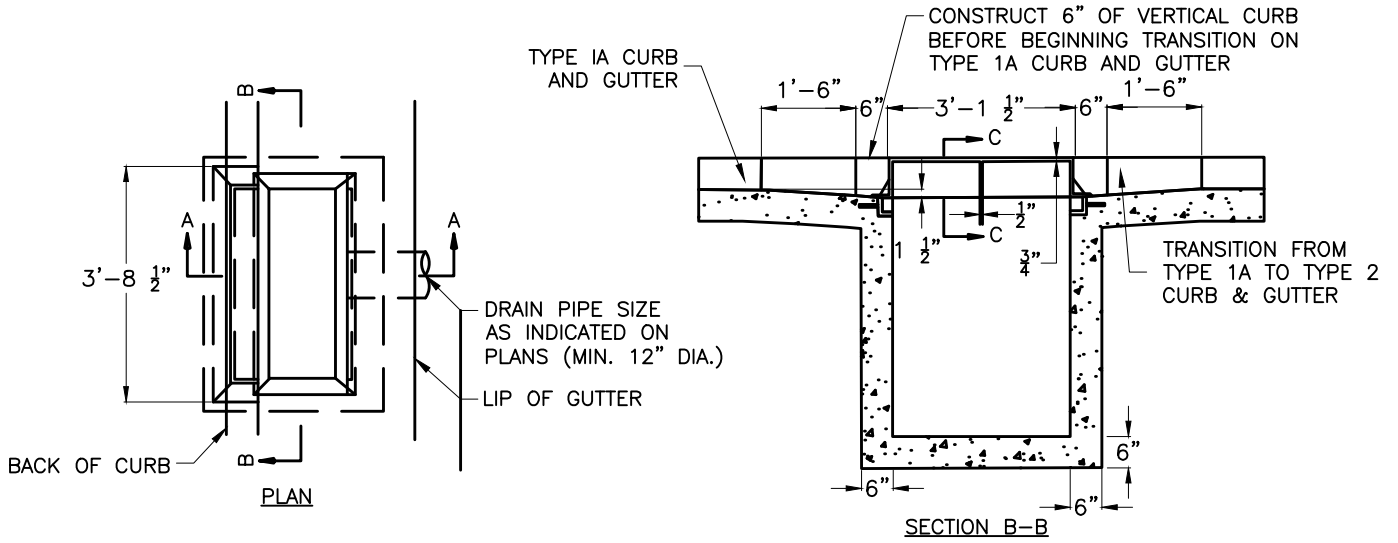
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**DROP INLET - CURB TRANSITION
 (ROLLED TO VERTICAL)**

SHEET 4 OF 8

401-1



NOTES:

1. STANDARD DEPRESSION FOR INLET IS 1-1/2".
2. OPEN-BACK HOOD SHALL BE H-20 RATED.
3. ALL EXPOSED EDGES SHALL HAVE A 1/8" R (MINIMUM).
4. AN EDGING TOOL SHALL BE USED ON ALL EDGES WHERE THE CONCRETE SIDEWALK AND CURB MEET THE TOP OF THE HOOD.
5. EXPOSED SURFACES OF THE GRATES, FRAMES AND HOODS WITH THE PARTS ASSEMBLED AND DISASSEMBLED SHALL BE PAINTED WITH COMMERCIAL QUALITY ASPHALTUM PAINT AFTER TESTING AND ASSEMBLY.
6. CAST IRON HOODS SHALL BE 3/4" THICK.

1	New detail	4/23			
Rev.	Description	Date	Rev.	Description	Date

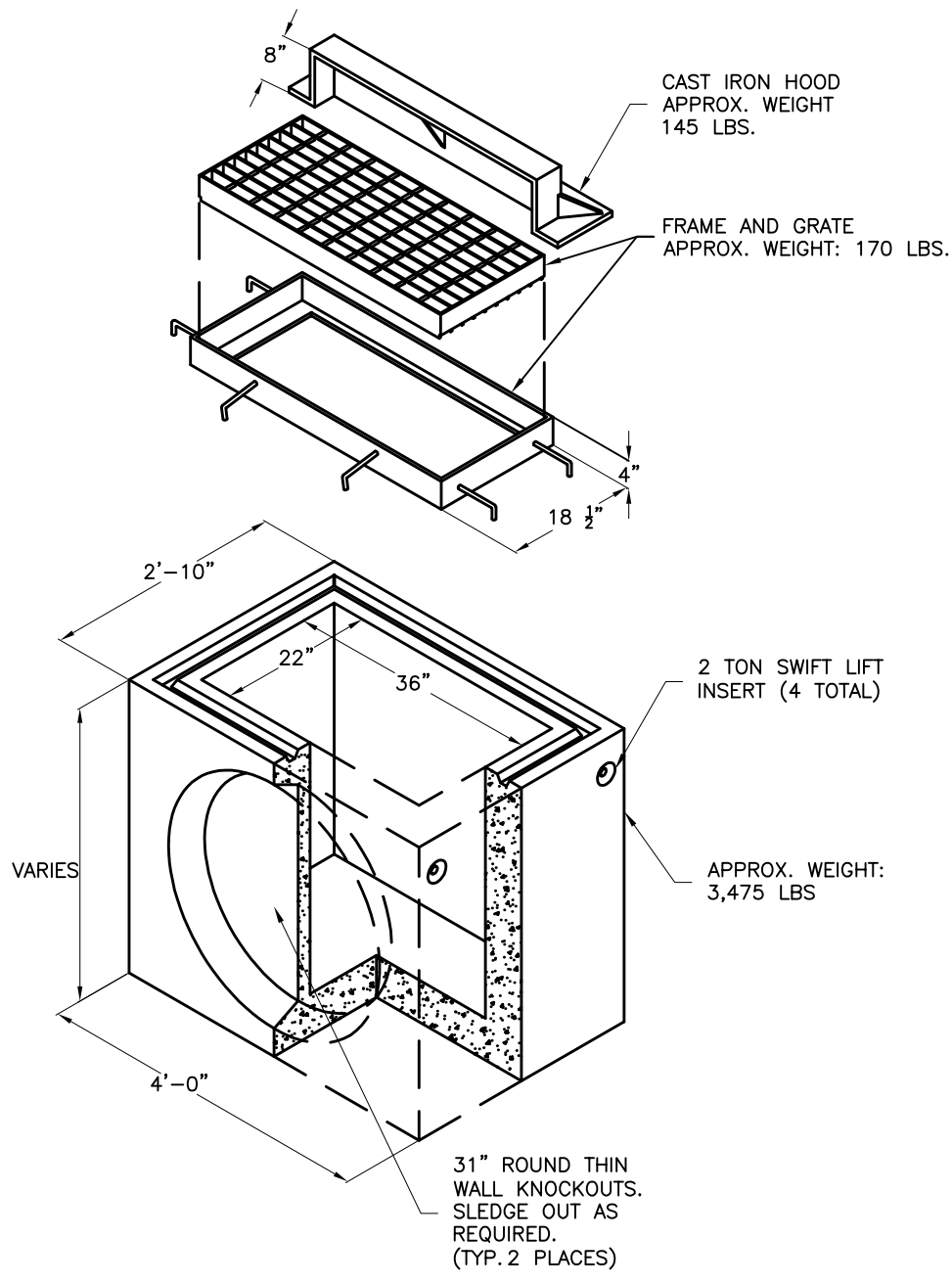
CITY OF DAVIS STANDARD PLAN

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DROP INLET
 RETROFIT

SHEET 5 OF 8

401-1




NOTES:

1. BOX DESIGN LOAD: H-20 FULL TRAFFIC.
2. THIS STANDARD MATCHES JENSEN SACRAMENTO COUNTY TYPE B DROP INLET. FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.
3. GRATE SHALL BE BIKE FRIENDLY.
4. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
5. STAKING SHALL BE FOR CENTERLINE OF DI AT FOC.

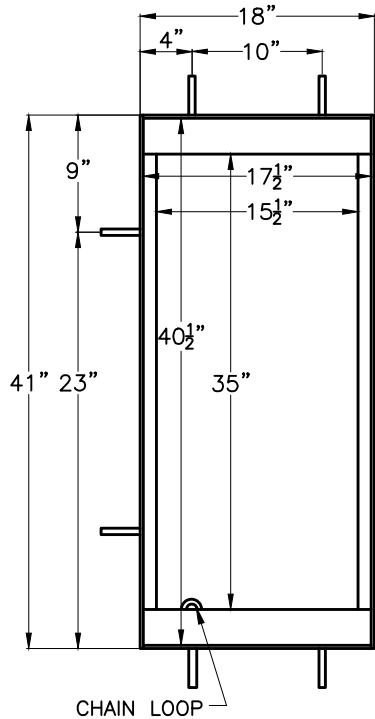
1	New detail	4/23			
Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

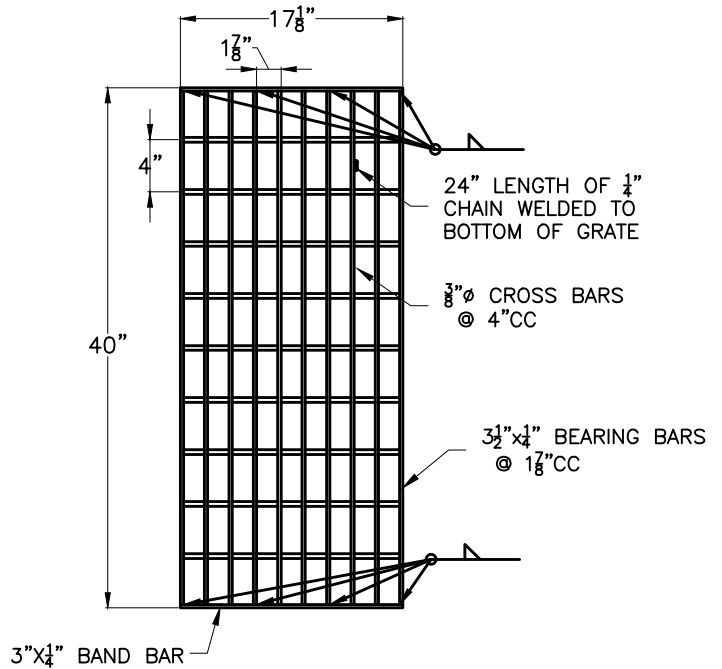
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TYPE B DROP INLET WITH CAST IRON HOOD, FABRICATED FRAME & GRATE

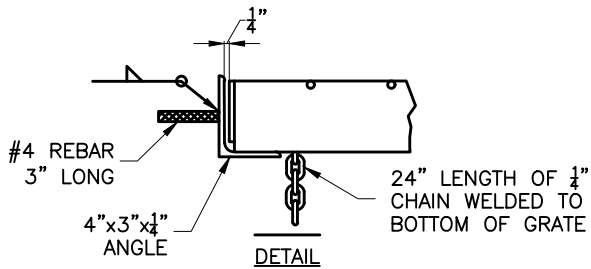
SHEET 6 OF 8 401-1



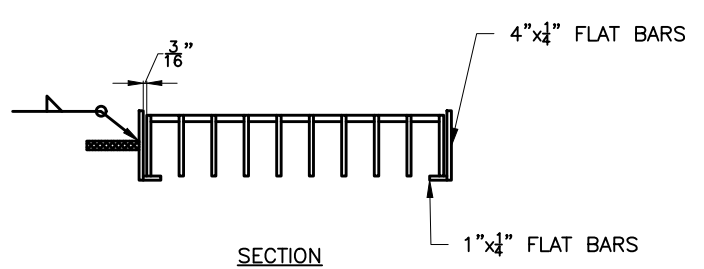
FRAME PLAN
46 lbs



GRATE PLAN
110 lbs



DETAIL




SECTION

NOTES:

1. DIMENSIONS TO CENTERLINE OF BARS UNLESS OTHERWISE NOTED.
2. EXPOSED SURFACES OF THE GRATES, FRAMES, AND HOODS, WITH THE PARTS ASSEMBLED AND DISASSEMBLED, SHALL BE PAINTED WITH COMMERCIAL QUALITY ASPHALTUM PAINT AFTER TESTING AND ASSEMBLY.
3. OMIT 1/2" FRAME ANCHORS OVER CENTER SUPPORT ASSEMBLY WHEN MULTIPLE FRAMES ARE USED.
4. MATERIAL: ASTM A36 MILD STEEL.

1	New detail	4/23			
Rev.	Description	Date	Rev.	Description	Date

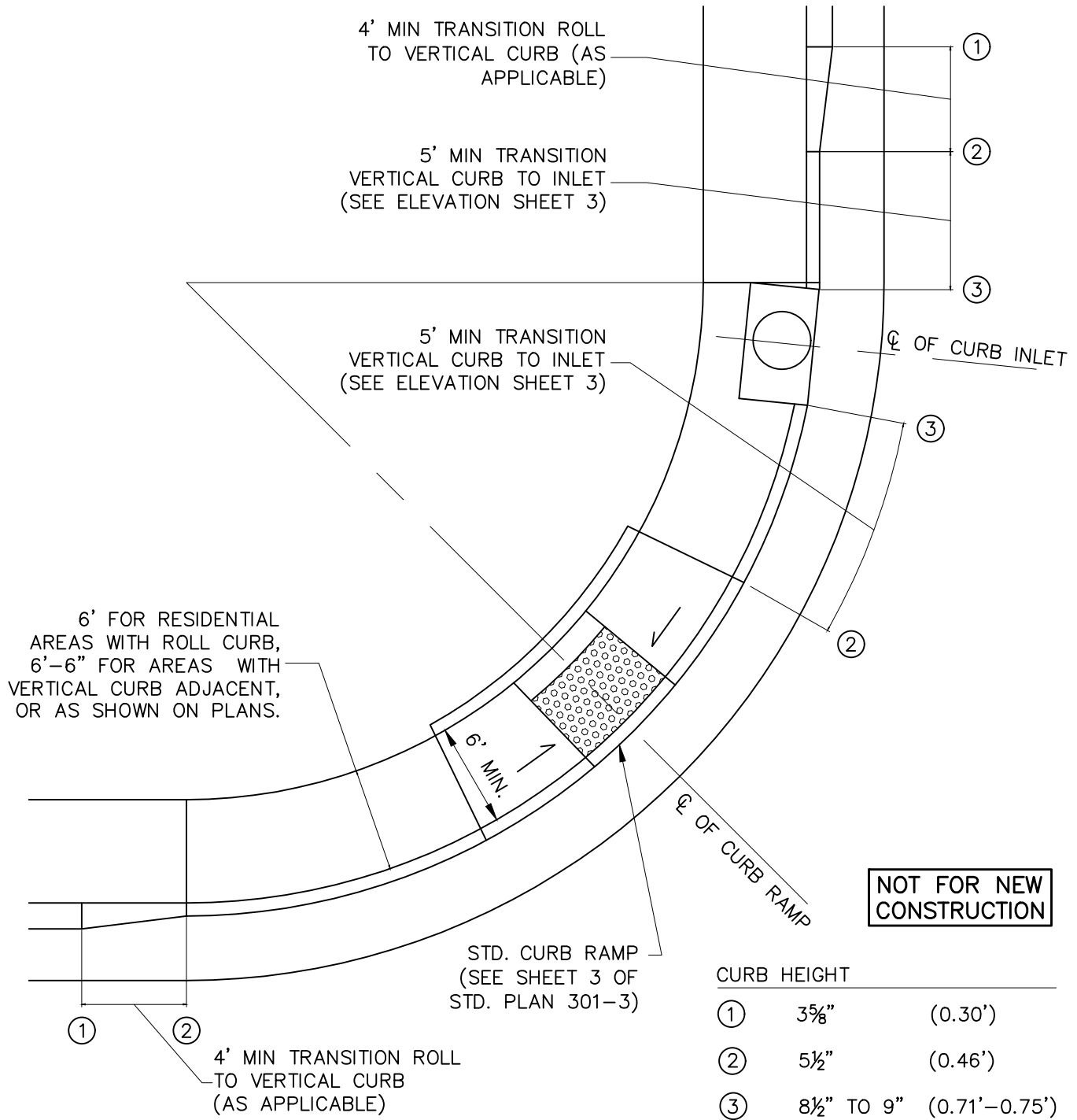
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TYPE B DROP INLET GRATE
 AND FRAME DETAIL

SHEET 7 OF 8

401-1



1	New detail	4/23			
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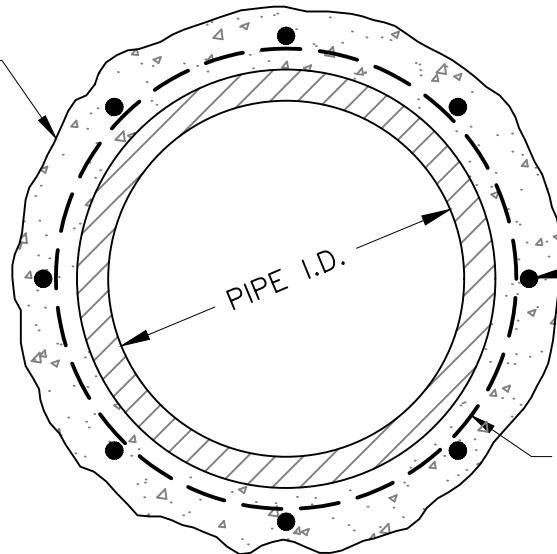
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CURB INLET AND CURB RAMP AT CORNER

SHEET 8 OF 8

401-1

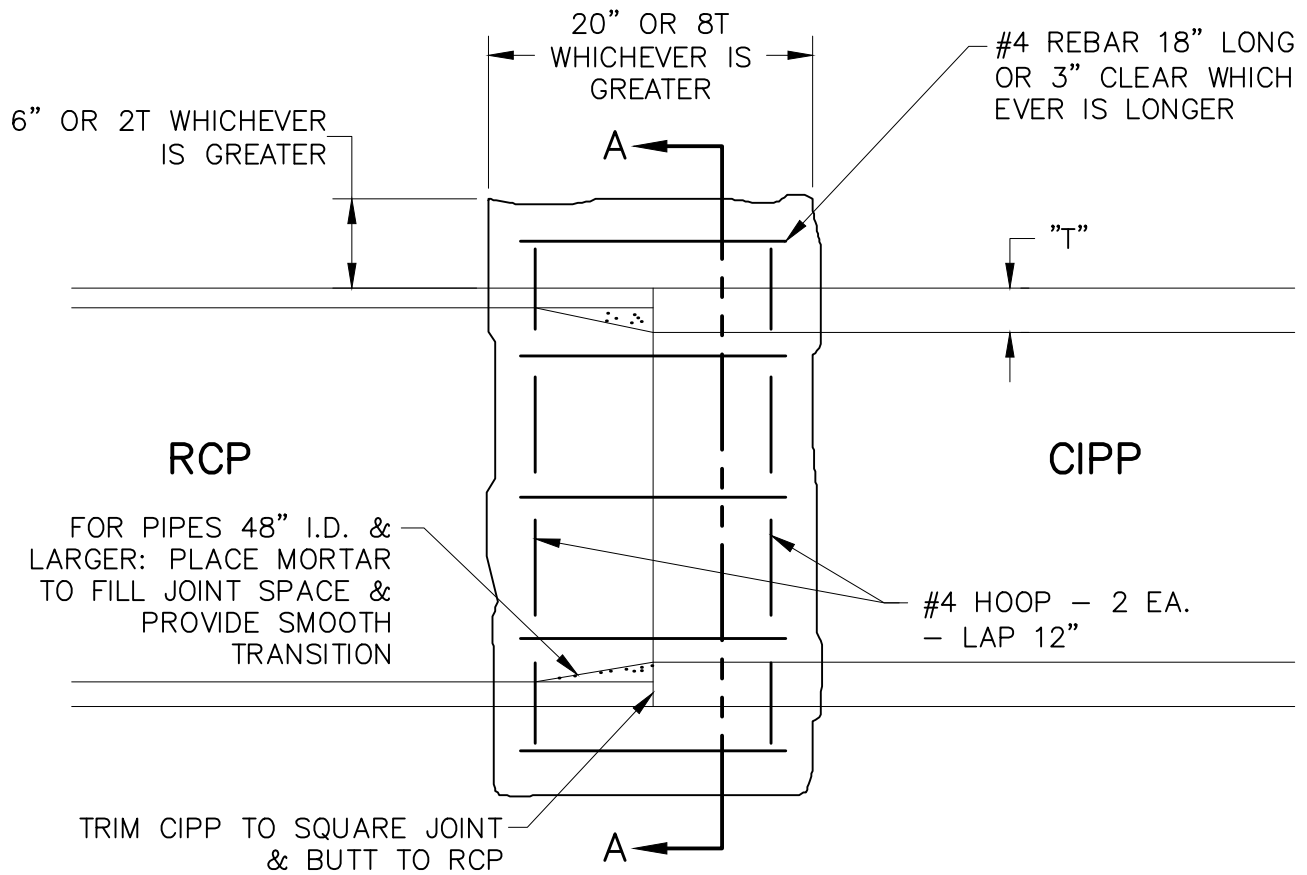
CONCRETE, THICKNESS
PER SECTION
307-3.4.2 6" MIN



#4 x 18" AT 18" O.C.
(6 MIN.) LAP 18"

#4 HOOP - 2 EA
- LAP 12"

SECTION A-A



6" OR 2T WHICHEVER
IS GREATER

20" OR 8T
WHICHEVER IS
GREATER

#4 REBAR 18" LONG
OR 3" CLEAR WHICH
EVER IS LONGER

RCP

CIPP

FOR PIPES 48" I.D. &
LARGER: PLACE MORTAR
TO FILL JOINT SPACE &
PROVIDE SMOOTH
TRANSITION

#4 HOOP - 2 EA.
- LAP 12"

TRIM CIPP TO SQUARE JOINT
& BUTT TO RCP

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

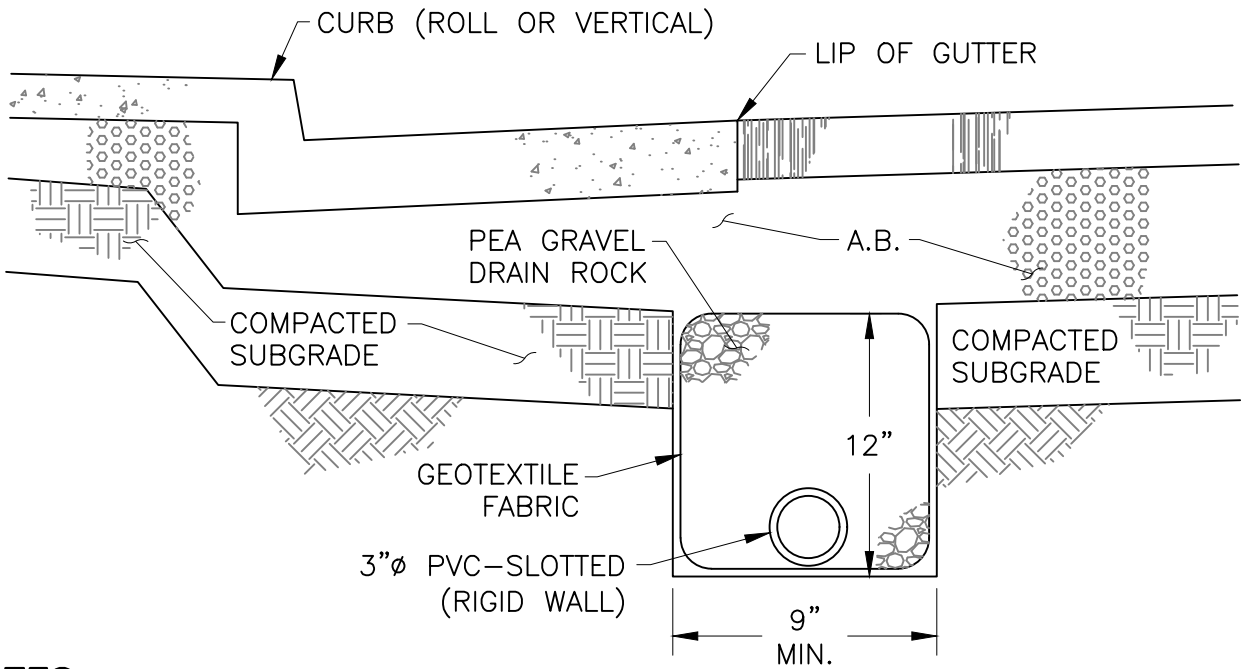
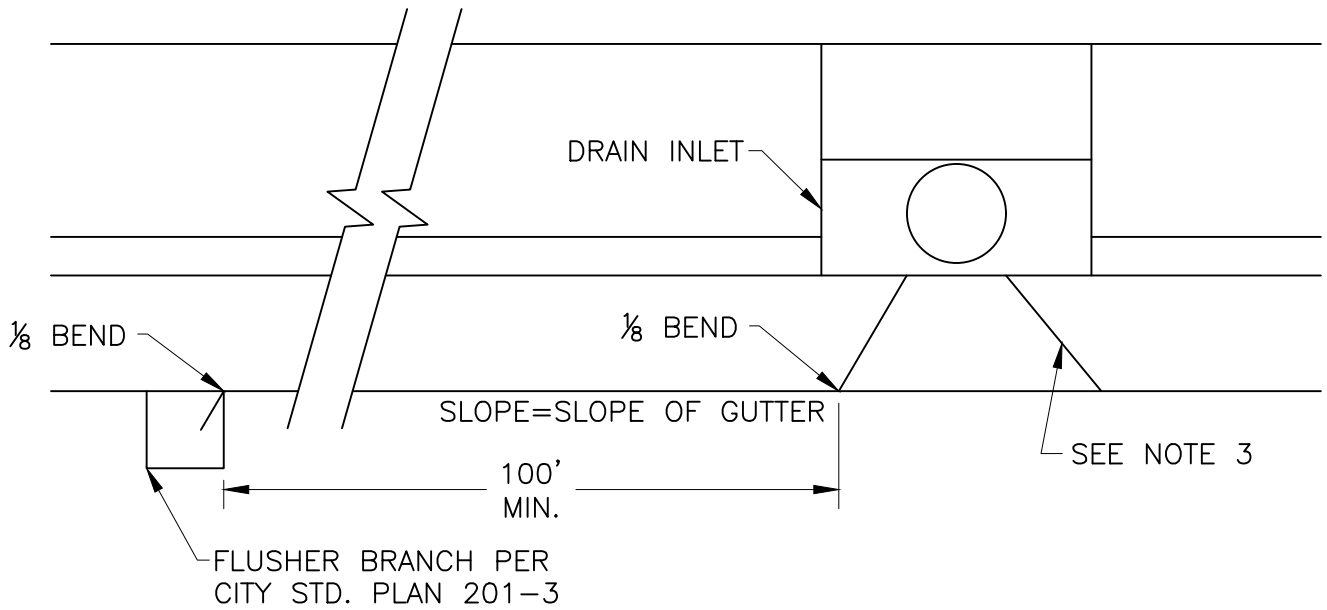
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**CONCRETE COLLAR FOR
JOINING RCP & CIPP**

SHEET 1 OF 1

401-2



NOTES:

1. TO BE USED IN LOCATIONS AS DIRECTED BY CITY ENGINEER.
2. INSTALL AFTER ALL OTHER UNDERGROUND UTILITIES ARE COMPLETED.
3. IF DRAIN INLET IS LOW POINT, UNDERDRAIN IS REQUIRED ON BOTH SIDES.

Rev.	Description	Date	Rev.	Description	Date

CITY OF DAVIS STANDARD PLAN

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STREET UNDERDRAIN

SHEET 1 OF 1

401-3