

NOTES:

1. ALL STREETS SHALL COMPLY WITH SECTION 200 OF THE CITY OF BURNET TECHNICAL CONSTRUCTION STANDARDS AND SPECIFICATIONS MANUAL.
2. * ALL VALUES ARE MINIMUMS AS REQUIRED BY THE TCSS MANUAL. FINAL PAVEMENT SECTIONS SHALL BE BASED ON A GEOTECHNICAL REPORT PERFORMED FOR THE SITE, AND AS APPROVED BY CITY ENGINEER.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

TYPICAL STREET
SECTIONS

APPROVED BY:

STAFF

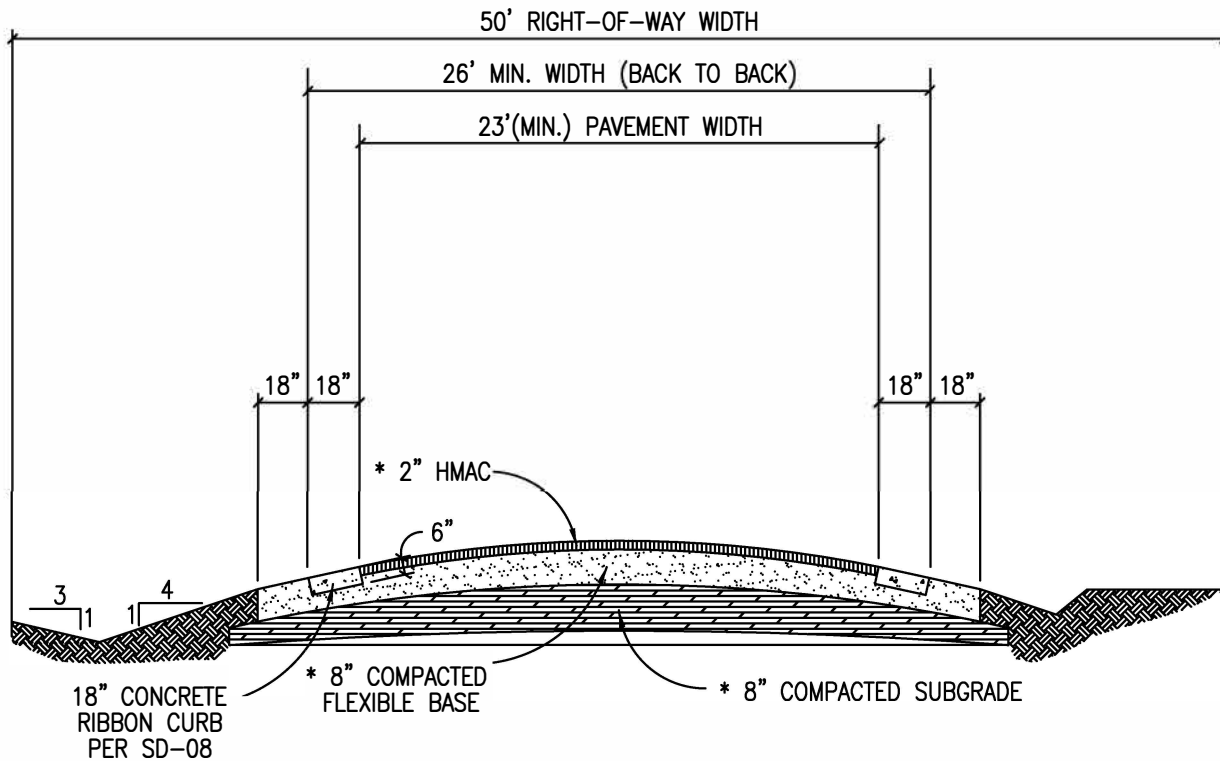
DATE:

08/2020

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DETAIL NUMBER:

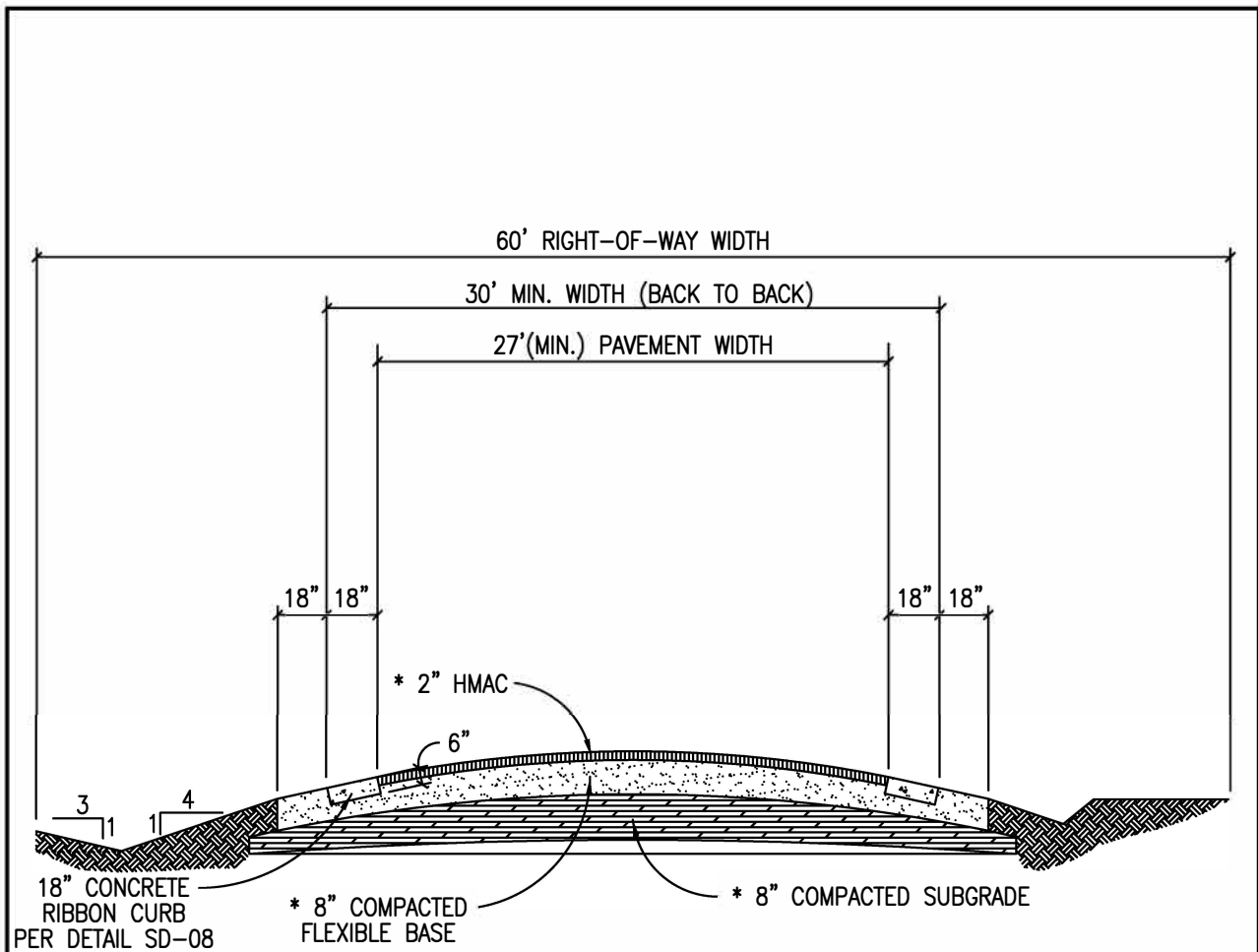
SD-01



NOTES:


1. ALL STREETS SHALL COMPLY WITH SECTION 200 OF THE CITY OF BURNET TECHNICAL CONSTRUCTION STANDARDS AND SPECIFICATIONS MANUAL.
2. * ALL VALUES ARE MINIMUMS AS REQUIRED BY THE TCSS MANUAL. FINAL PAVEMENT SECTIONS SHALL BE BASED ON A GEOTECHNICAL REPORT PERFORMED FOR THE SITE, AND AS APPROVED BY CITY ENGINEER.

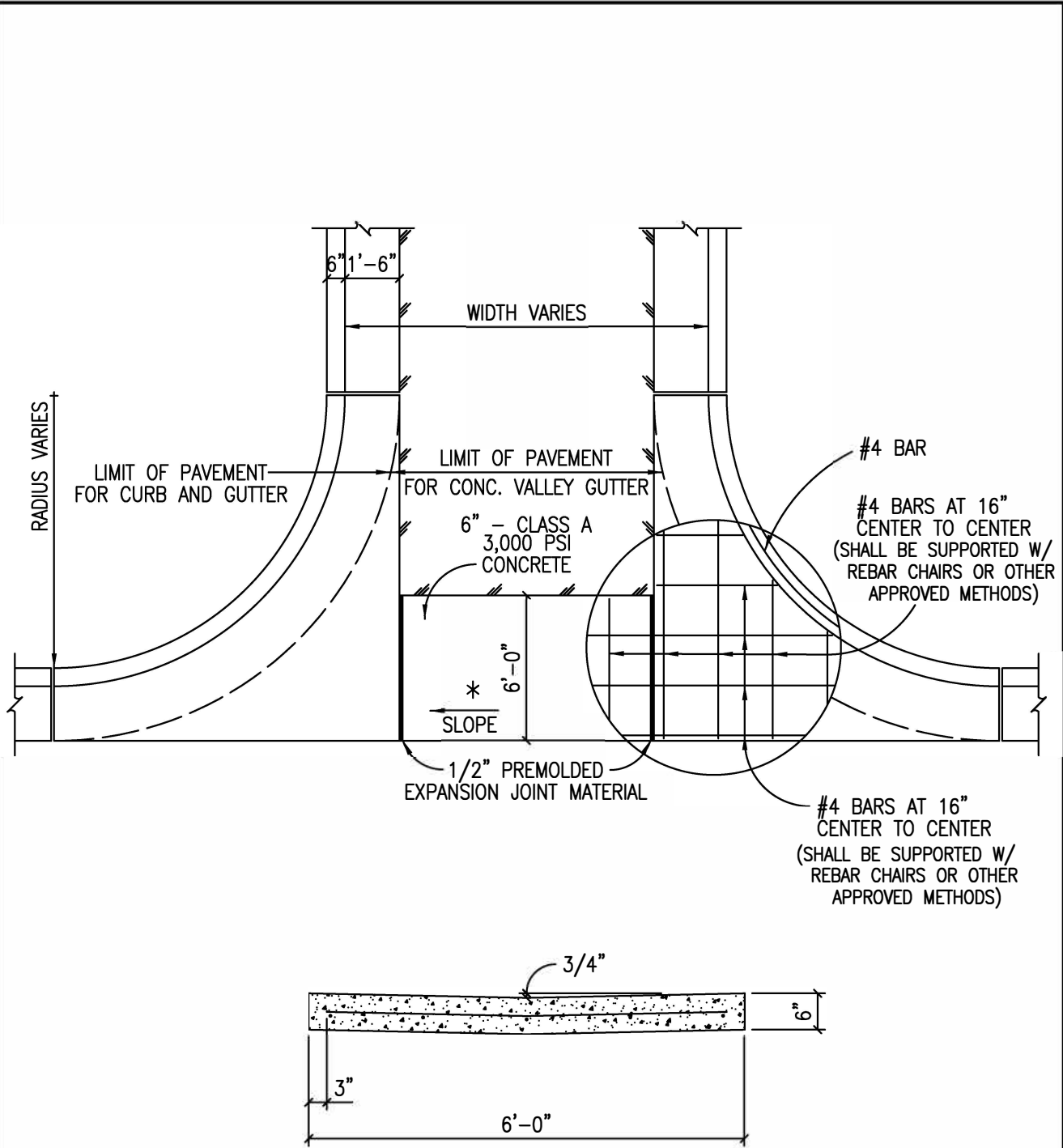
	CITY OF BURNET DEPARTMENT OF PUBLIC WORKS		RESIDENTIAL LARGE LOT STREET SECTION 3-80 D.U.	
	APPROVED BY: STAFF	DATE: 08/2020	The Architect/Engineer assumes responsibility for appropriate use of this standard.	DETAIL NUMBER: SD-02



NOTES:

1. ALL STREETS SHALL COMPLY WITH SECTION 200 OF THE CITY OF BURNET TECHNICAL CONSTRUCTION STANDARDS AND SPECIFICATIONS MANUAL.
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	CITY OF BURNET DEPARTMENT OF PUBLIC WORKS		RESIDENTIAL LARGE LOT STREET SECTION 81-200 D.U.	
	APPROVED BY: STAFF	DATE: 08/2020	The Architect/Engineer assumes responsibility for appropriate use of this standard.	DETAIL NUMBER: SD-03



- * NOTES:
 1. USE CONCRETE VALLEY GUTTER WHERE SLOPE \leq 0.70%

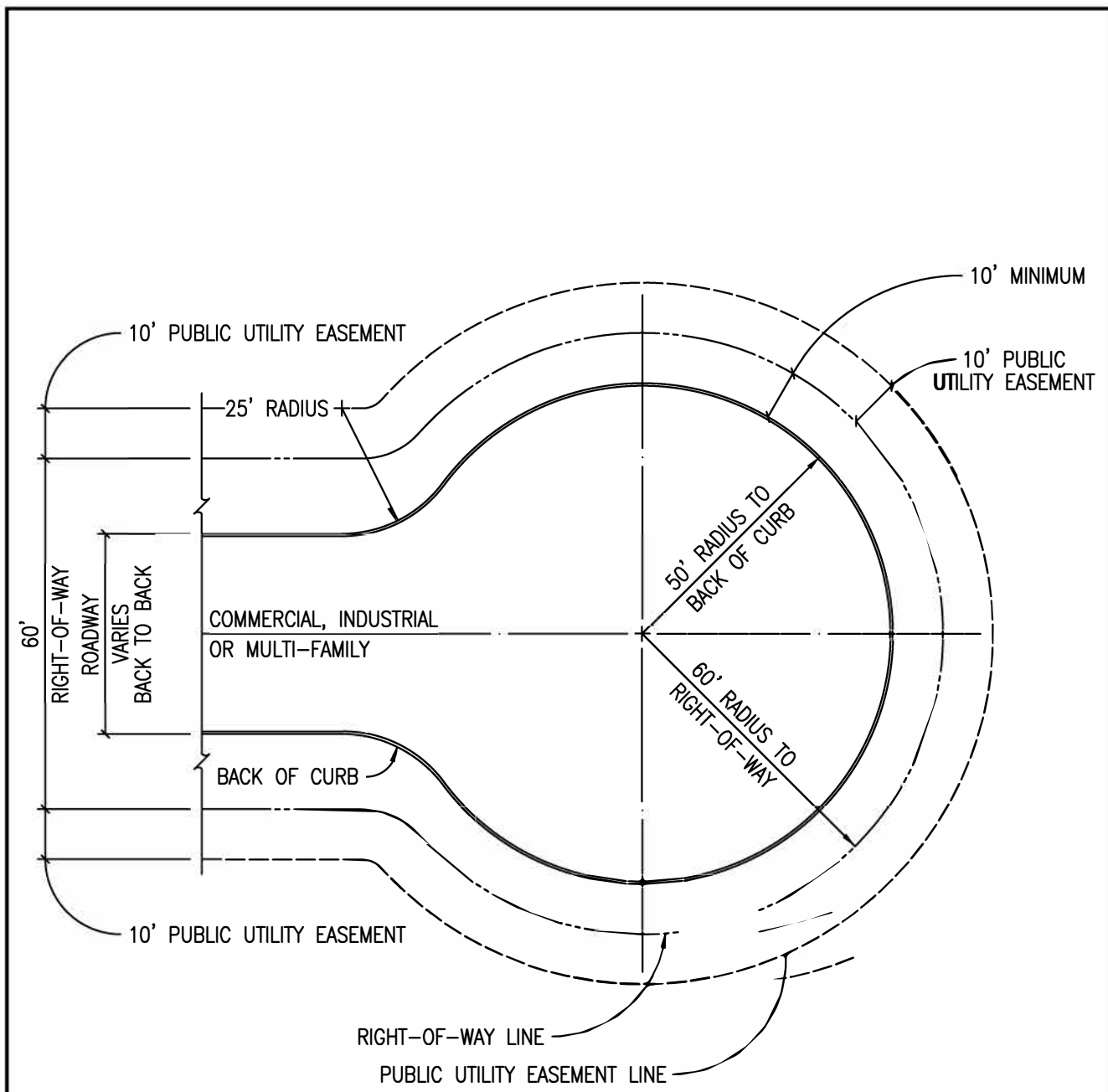


CITY OF BURNET
 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: STAFF	DATE: 08/2020
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CONCRETE VALLEY GUTTER STANDARD

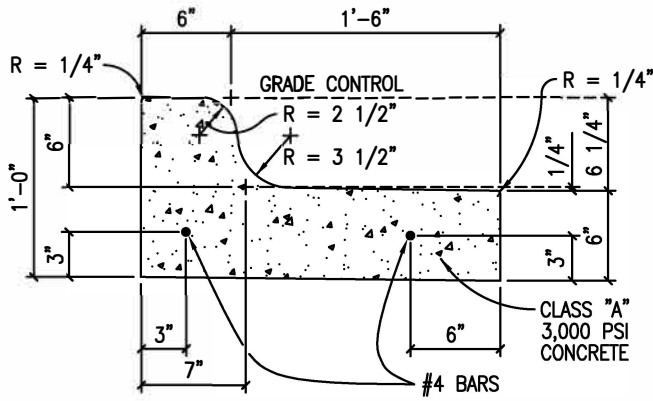
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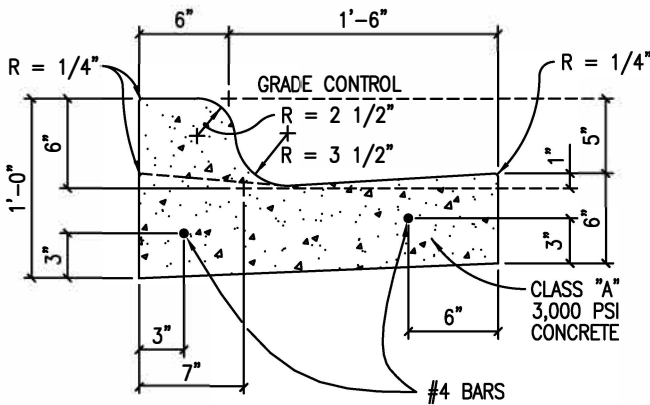
NOTE:

1. CUL-DE-SAC SHALL BE CONSTRUCTED WITH A 9-INCH CROWN, GIVING A 1.5% CROSS SLOPE.

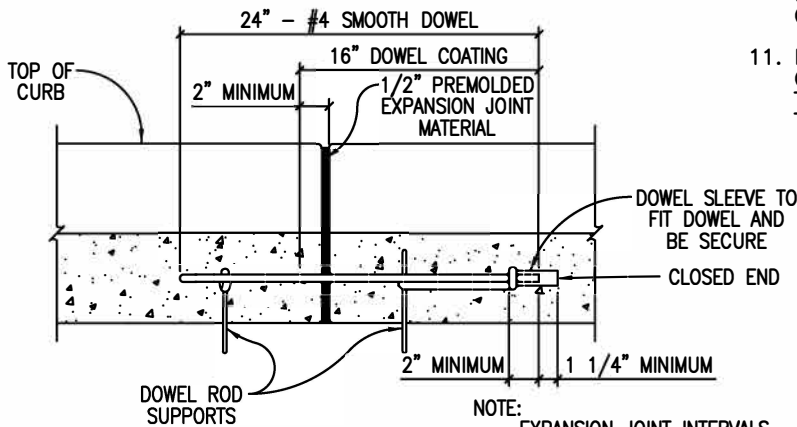
	CITY OF BURNET DEPARTMENT OF PUBLIC WORKS		TYPICAL NON-SINGLE FAMILY AND NON-TWO FAMILY CUL-DE-SAC	
	APPROVED BY: STAFF	DATE: 08/2020	The Architect/Engineer assumes responsibility for appropriate use of this standard.	DETAIL NUMBER: SD-05



SPILL CURB



CATCH AND LAYDOWN CURB



NOTE:
EXPANSION JOINT INTERVALS
NOT TO EXCEED 40'-0".

CURB DOWEL DETAIL

NOTES:

1. ALL WORK AND MATERIAL SHALL CONFORM TO ASTM A615, A615M, C309, AND D1752. BROOM FINISH EXPOSED SURFACE.
2. CONTRACTION JOINT SPACING 10' MAX.
3. EXPANSION JOINTS AS PER STD. ASTM D-1752.
4. 1/2" EXPANSION JOINT MATERIAL SHALL BE PROVIDED WHERE CURB IS ADJACENT TO SIDEWALK OR RIP-RAP.
5. TRANSITIONS BETWEEN CURBS OR DIFFERING CROSS SECTIONS SHALL OCCUR OVER A 20 FOOT LENGTH AS APPROVED BY THE ENGINEER OR THE CITY OF BURNET.
6. ALL CONCRETE SHALL BE CLASS A, 3000 PSI.
7. ALL SURFACES THAT ARE CHIPPED OR OTHERWISE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED.
8. THE FOLLOWING SCHEME OF REINFORCEMENT SHALL BE REQUIRED. THE MANNER OF PLACEMENT AND LOCATION SHALL BE TO THE SATISFACTION OF THE ENGINEER OR THE CITY OF BURNET.
 - A. ALL CURB AND CURB AND GUTTER (REINFORCED) SHALL HAVE TWO #4 LONGITUDINAL REINFORCING BARS.
9. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 15 INCH.
10. REINFORCING BARS SHALL BE SUPPORTED WITH REBAR CHAIRS OR OTHER APPROVED METHODS.
11. REBAR SUPPORTS ARE NOT REQUIRED ON MACHINE PLACED CURB PROVIDED THAT REBAR IS PROPERLY GUIDED INTO THE CURB SECTION.



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CURB AND GUTTER
STANDARD

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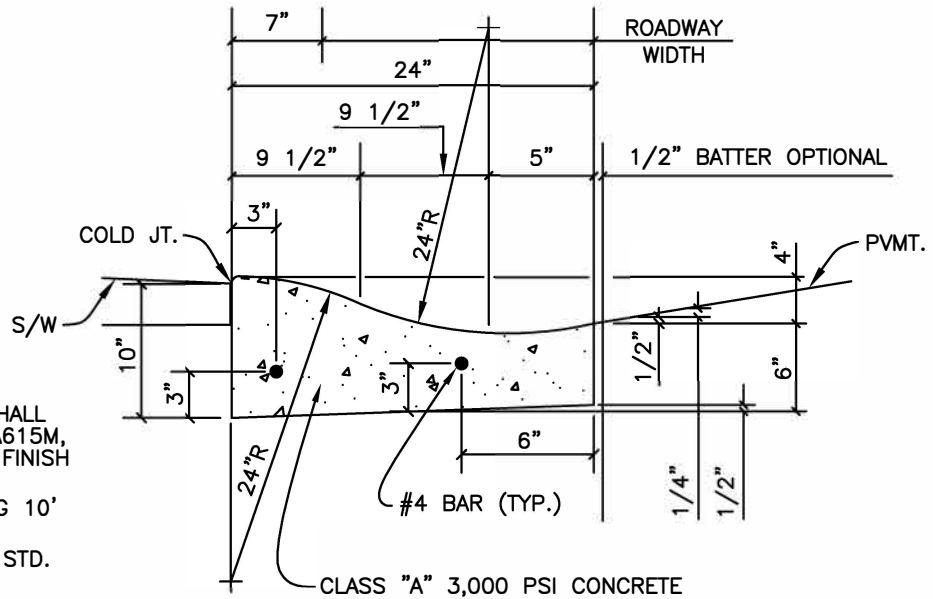
DATE:

08/2020

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DETAIL NUMBER:

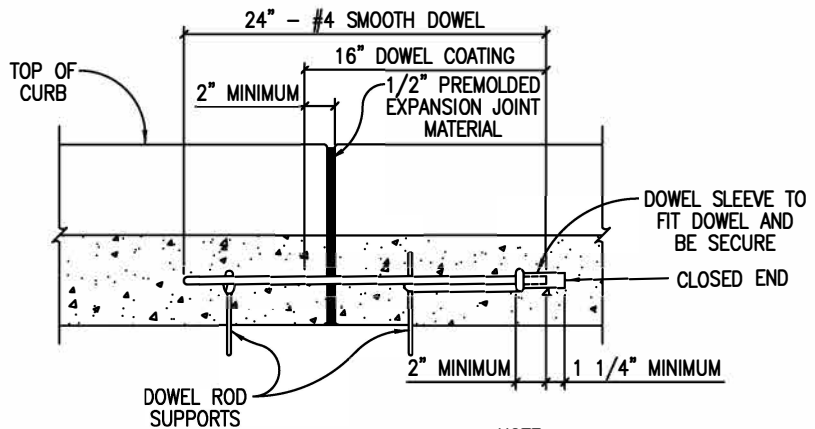
SD-06



MOUNTABLE CURB

NOTES:

1. ALL WORK AND MATERIAL SHALL CONFORM TO ASTM A615, A615M, C309, AND D1752. BROOM FINISH EXPOSED SURFACE.
2. CONTRACTION JOINT SPACING 10' MAX.
3. EXPANSION JOINTS AS PER STD. ASTM D-1752.
4. 1/2" EXPANSION JOINT MATERIAL SHALL BE PROVIDED WHERE CURB IS ADJACENT TO SIDEWALK OR RIP-RAP.
5. TRANSITIONS BETWEEN CURBS OR DIFFERING CROSS SECTIONS SHALL OCCUR OVER A 20 FOOT LENGTH AS APPROVED BY THE ENGINEER OR TH CITY OF BURNET.
6. ALL CONCRETE SHALL BE CLASS A, 3000 PSI.
7. ALL SURFACES THAT ARE CHIPPED OR OTHERWISE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED.
8. ONE OF THE FOLLOWING SCHEMES OF REINFORCEMENT SHALL BE REQUIRED. THE MANNER OF PLACEMENT AND LOCATION SHALL BE TO THE SATISFACTION OF THE ENGINEER OR THE CITY OF BURNET.
 - A. CURB AND GUTTER (REINFORCED) SHALL HAVE LONGITUDINAL REINFORCING BARS AS FOLLOWS: THREE #4,
 - B. ALL TYPES OF CURB (REINFORCED) SHALL HAVE #4 BAR FOR LONGITUDINAL REINFORCEMENT.
9. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 15 INCH.
10. REINFORCING BARS SHALL BE SUPPORTED WITH REBAR CHAIRS OR OTHER APPROVED METHODS.
11. REBAR SUPPORTS ARE NOT REQUIRED ON MACHINE PLACED CURB PROVIDED THAT REBAR IS PROPERLY GUIDED INTO THE CURB SECTION.



NOTE:
EXPANSION JOINT INTERVALS NOT TO EXCEED 40'-0".

CURB DOWEL DETAIL



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MOUNTABLE CURB AND
GUTTER STANDARDS

APPROVED BY:

STAFF

DATE:

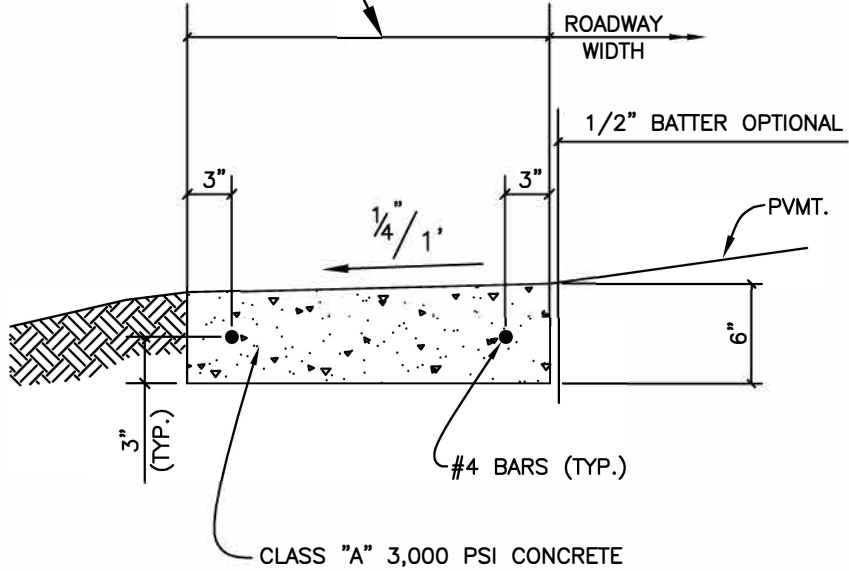
08/2020

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DETAIL NUMBER:

SD-07

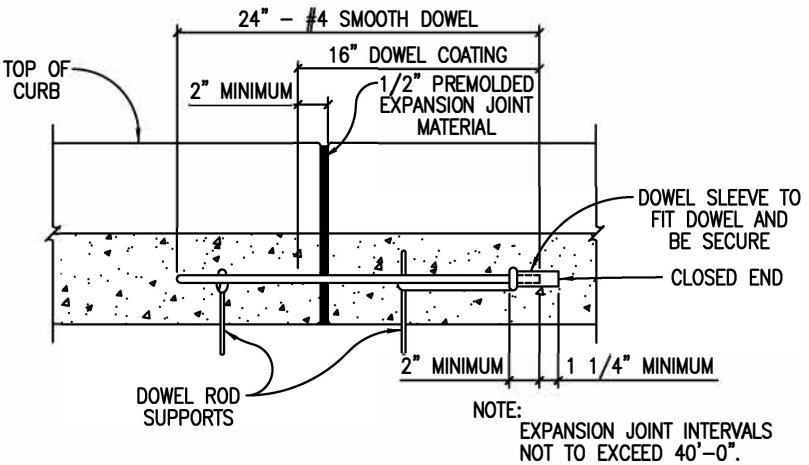
NOTE: WIDTH = 18" ON LARGE LOTS
 WIDTH = 24" ON RIBBON CURB TRANSITIONING FROM
 / TO STANDING CURB AND GUTTER SECTION



NOTES:

1. ALL WORK AND MATERIAL SHALL CONFORM TO ASTM A615, A615M, C309, AND D1752. BROOM FINISH EXPOSED SURFACE.
2. CONTRACTION JOINT SPACING 10' MAX.
3. EXPANSION JOINTS AS PER STD. ASTM D-1752.
4. 1/2" EXPANSION JOINT MATERIAL SHALL BE PROVIDED WHERE CURB IS ADJACENT TO SIDEWALK OR RIP-RAP.
5. TRANSITIONS BETWEEN CURBS OR DIFFERING CROSS SECTIONS SHALL OCCUR OVER A 20 FOOT LENGTH AS APPROVED BY THE ENGINEER OR TH CITY OF BURNET.
6. ALL CONCRETE SHALL BE CLASS A, 3000 PSI.
7. ALL SURFACES THAT ARE CHIPPED OR OTHERWISE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED.
8. ONE OF THE FOLLOWING SCHEMES OF REINFORCEMENT SHALL BE REQUIRED. THE MANNER OF PLACEMENT AND LOCATION SHALL BE TO THE SATISFACTION OF THE ENGINEER OR THE CITY OF BURNET.
 - A. CURB AND GUTTER (REINFORCED) SHALL HAVE LONGITUDINAL REINFORCING BARS AS FOLLOWS: THREE #4,
 - B. ALL TYPES OF CURB (REINFORCED) SHALL HAVE #4 BAR FOR LONGITUDINAL REINFORCEMENT.
9. REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 15 INCH.
10. REINFORCING BARS SHALL BE SUPPORTED WITH REBAR CHAIRS OR OTHER APPROVED METHODS.
11. REBAR SUPPORTS ARE NOT REQUIRED ON MACHINE PLACED CURB PROVIDED THAT REBAR IS PROPERLY GUIDED INTO THE CURB SECTION.

RIBBON CURB



CURB DOWEL DETAIL

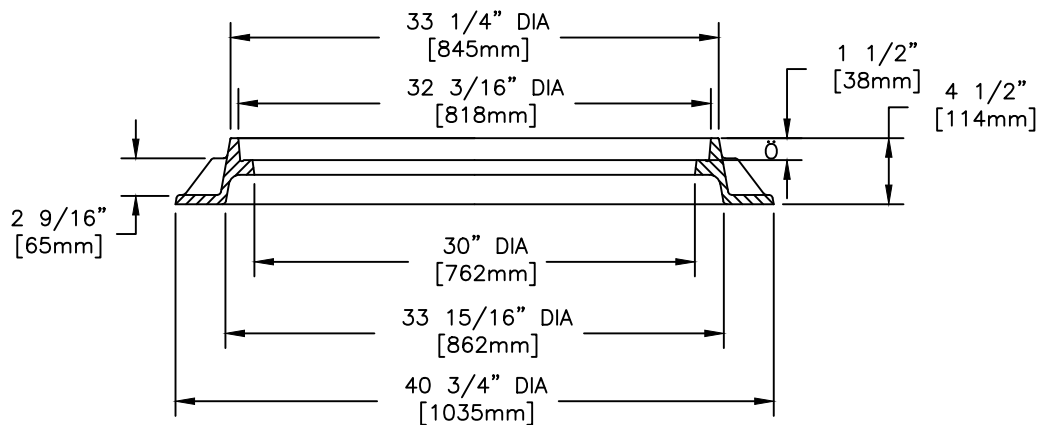
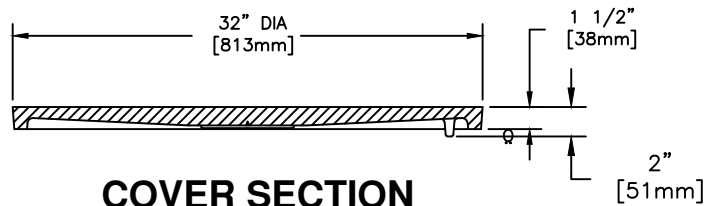
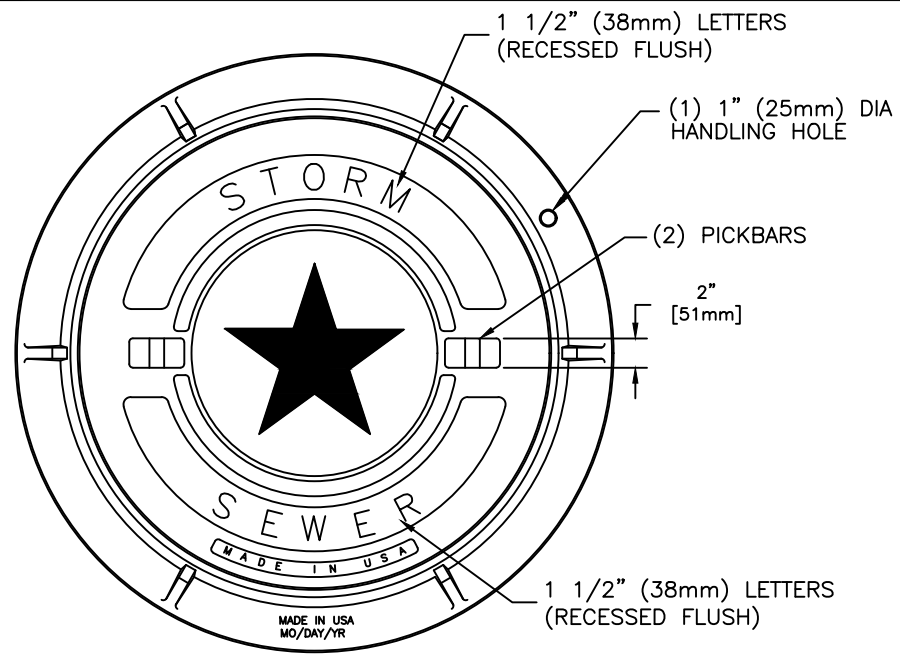


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 DEPARTMENT OF PUBLIC WORKS

APPROVED BY: **STAFF** DATE: **08/2020**

RIBBON CURB STANDARDS

The Architect/Engineer assumes responsibility for appropriate use of this standard. DETAIL NUMBER: **SD-08**



NOTES:

1. ALL INFRASTRUCTURE SHALL BE IN COMPLIANCE WITH THE CITY OF BURNET TECHNICAL CONSTRUCTION STANDARDS AND SPECIFICATIONS MANUAL.
2. FOR BOLTED STORM MANHOLE COVER SEE SD-10.



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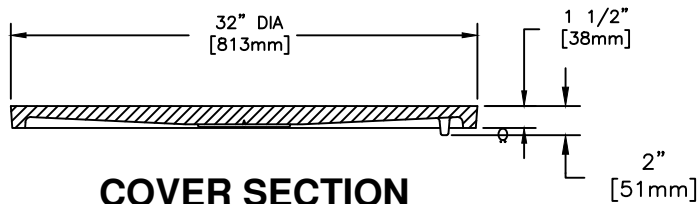
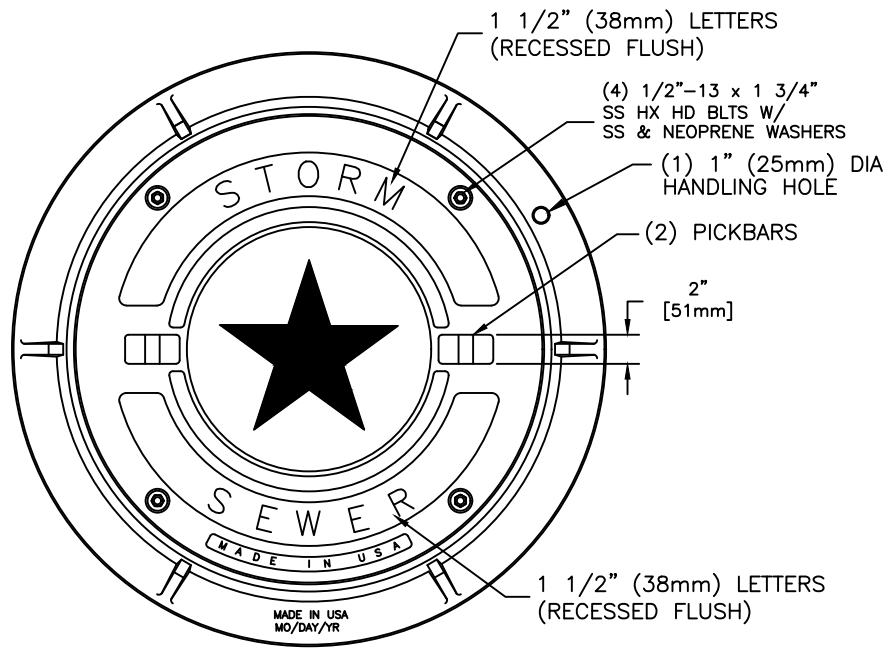
**STANDARD STORM SEWER
MANHOLE COVER**

APPROVED BY:
STAFF

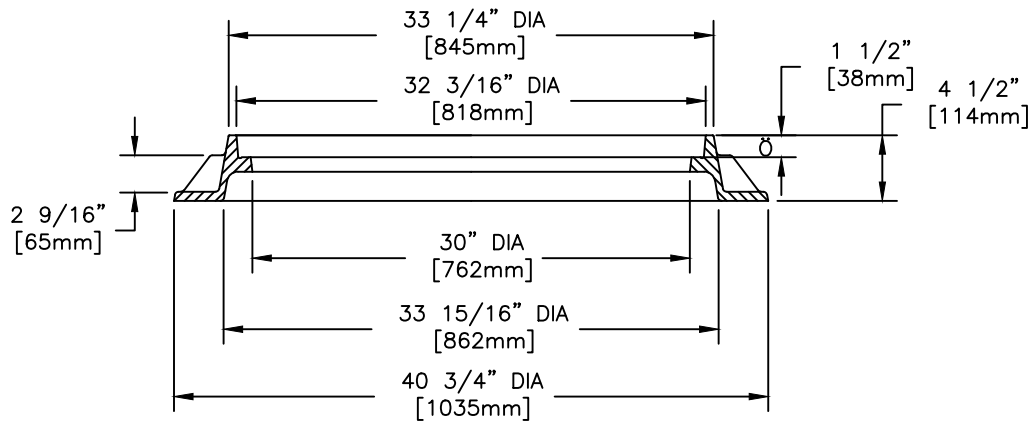
DATE:
08/2020

The Architect/Engineer
assumes responsibility
for appropriate use of
this standard.

DETAIL NUMBER:
SD-09



COVER SECTION



FRAME SECTION

NOTES:

1. ALL INFRASTRUCTURE SHALL BE IN COMPLIANCE WITH THE CITY OF BURNET TECHNICAL CONSTRUCTION STANDARDS AND SPECIFICATIONS MANUAL.
2. FOR STANDARD STORM MANHOLE COVER SEE SD-09.



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BOLTED STORM SEWER
MANHOLE COVER

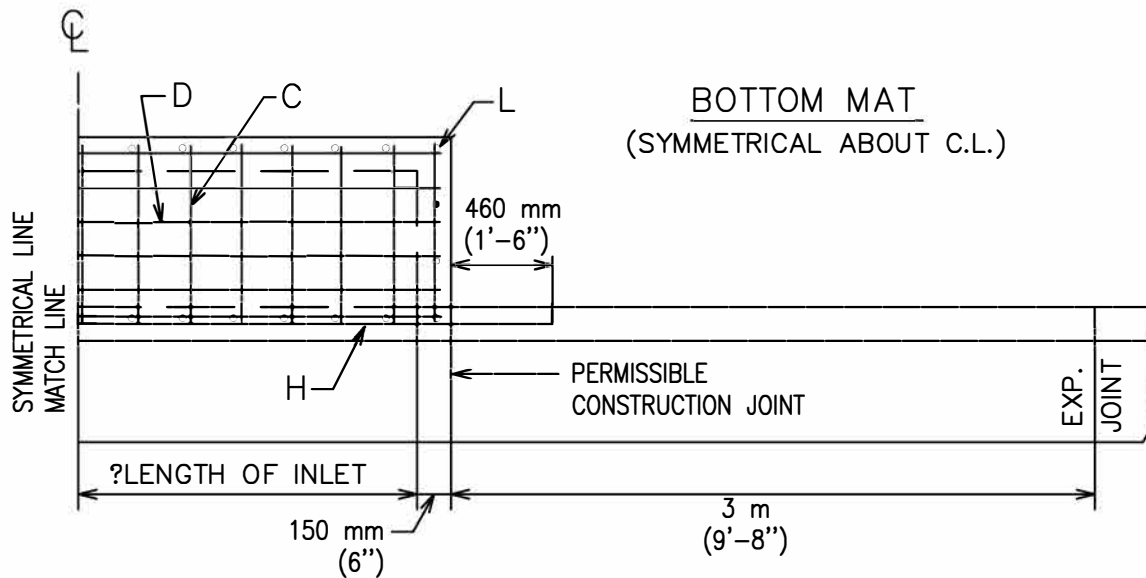
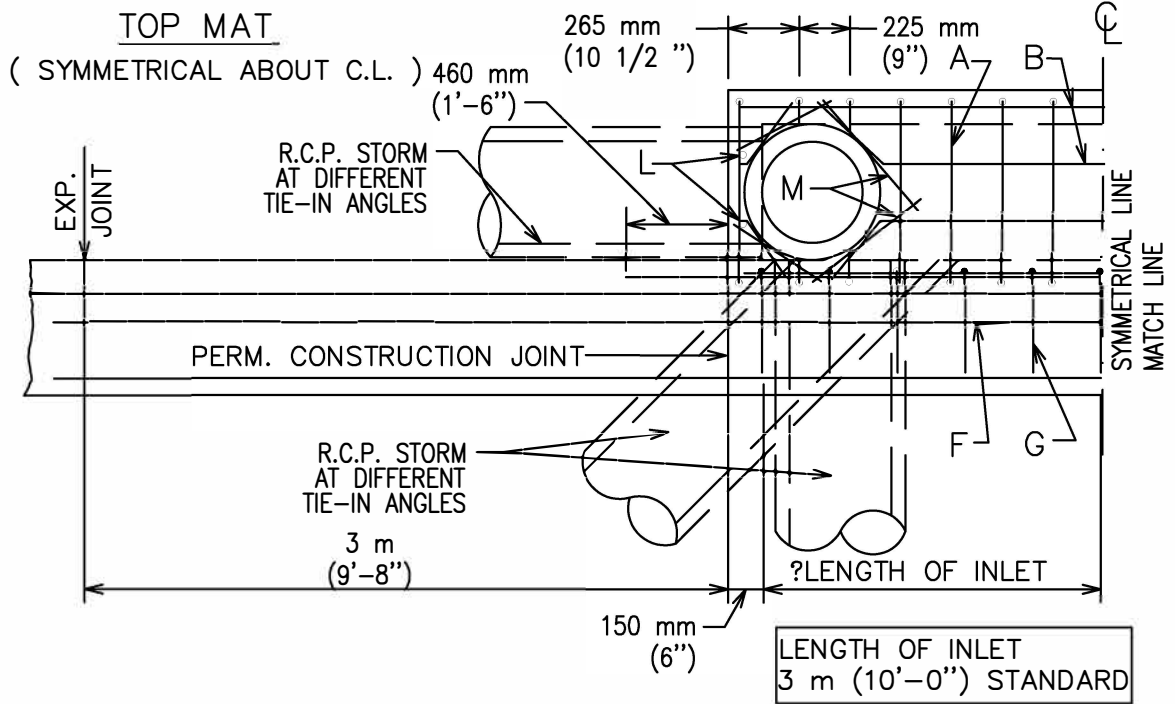
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08/2020

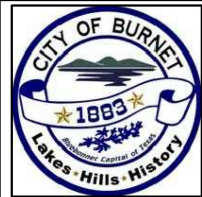
The Architect/Engineer
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for appropriate use of
this standard.

DETAIL NUMBER:
SD-10

NOTE: CAST IRON ACCESS LID SHALL BE LOCKABLE AND PRINTED WITH "DUMP NO WASTE, DRAINS TO RIVER", SEE TCSS SECTION 570.



SHEET 1 OF 4



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

CURB INLET
STANDARD

APPROVED BY:

DATE:

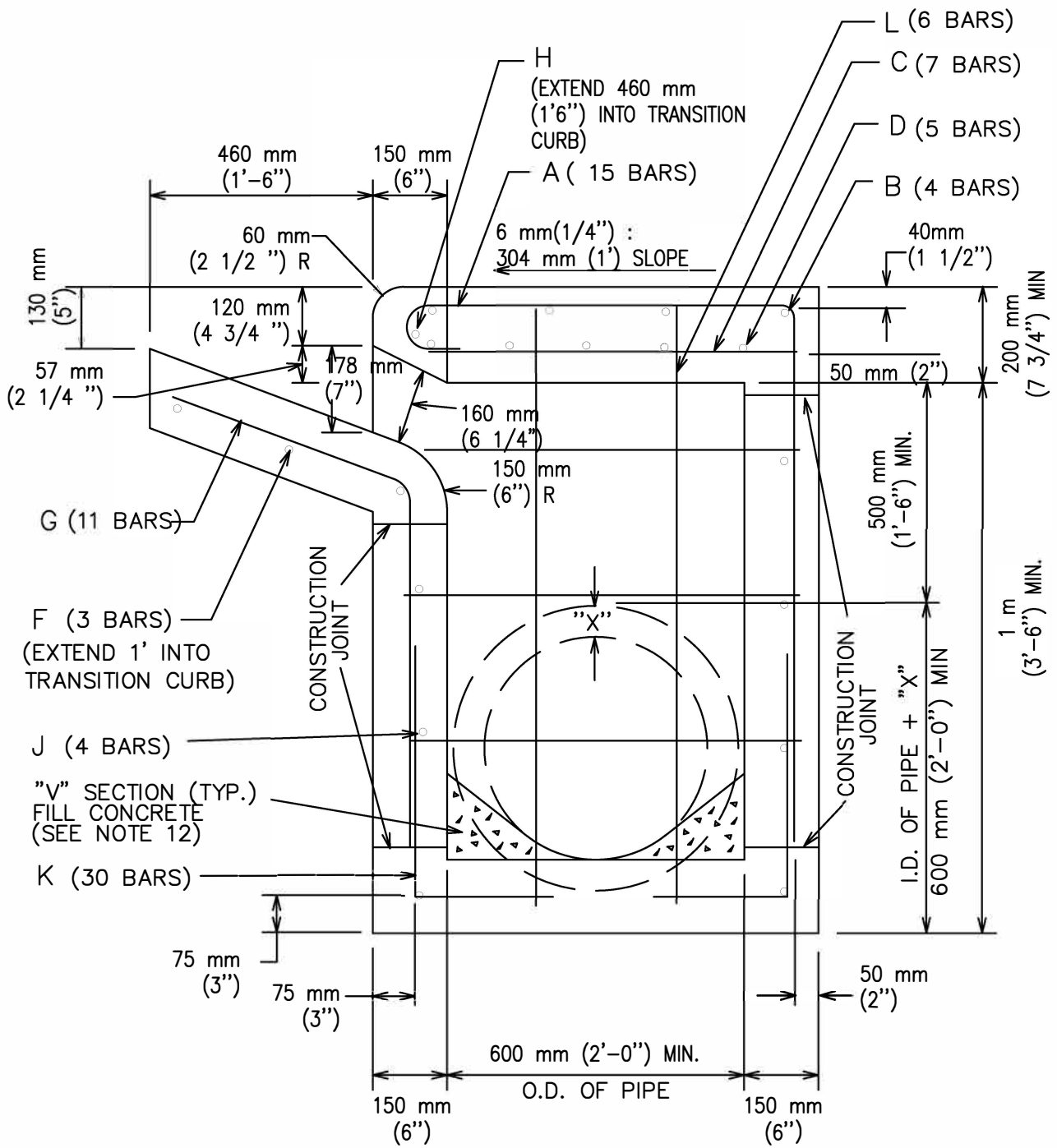
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for appropriate use of
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DETAIL NUMBER:

STAFF

08/2020

SD-11



SHEET 2 OF 4



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

CURB INLET
STANDARD

APPROVED BY:

STAFF

DATE:

08/2020

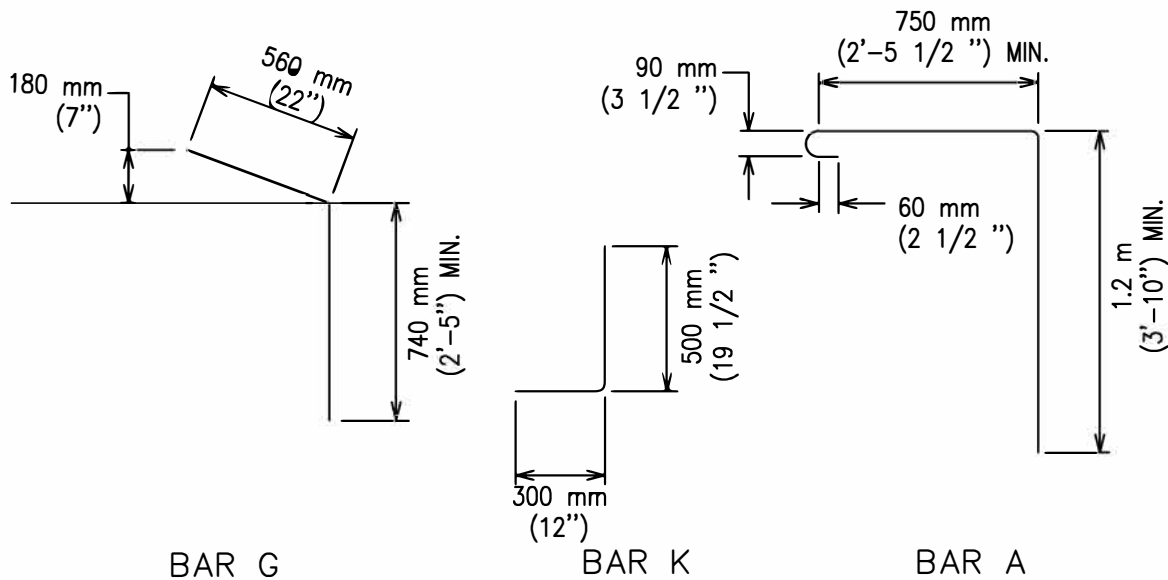
The Architect/Engineer
assumes responsibility
for appropriate use of
this standard.

DETAIL NUMBER:


SD-11

TABLE OF QUANTITIES
FOR 18" OUTLET PIPE
REINFORCING STEEL QUANTITIES

BARS	SIZE	SPACING	NUMBER	LENGTH	WEIGHT
A	4	230mm (9")*	15	2 m (7'-0")	73
B	4	250 mm (10")	4	3.25 m (10'-8")	29
C	4	460 mm (18")	7	760 mm (2'-6")	12
D	6	150 mm (6")	5	3.25 m (10'-8")	80
E	4	300 mm (12")	6	760 mm (2'-6")	10
F	4	250 mm (10")	3	4 m (13'-0")	35
G	4	300 mm (12")	11	1.25 m (4'-3")	31
H	6	—	1	4.25 m (14'-0")	20
J	4	300 mm (12")	7	3.25 m (10'-8")	50
K	4	230 mm (9")*	30	800 mm (2'-7 1/2")	52
L	4	300 mm (12")*	6	1.3 m (4'-4")	17
M	4	—	4	500 mm (1'-8") AVG	4
TOTAL STEEL, LB.					413
TOTAL CONCRETE, C.Y.					4.06
* EXCEPT AS SHOWN ON PLAN					




SHEET 3 OF 4

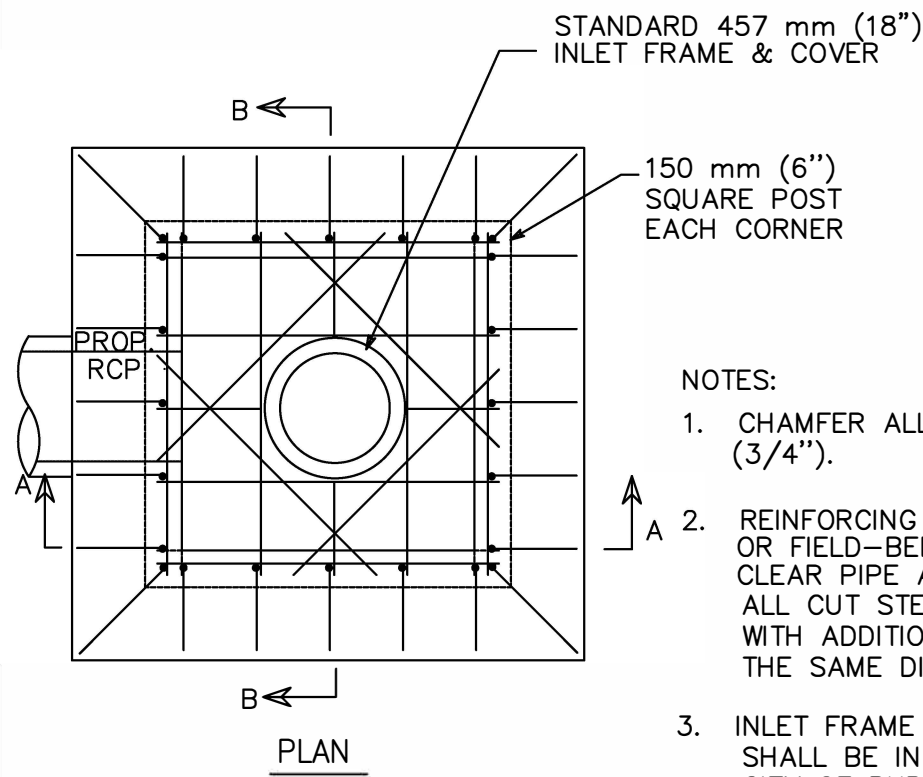
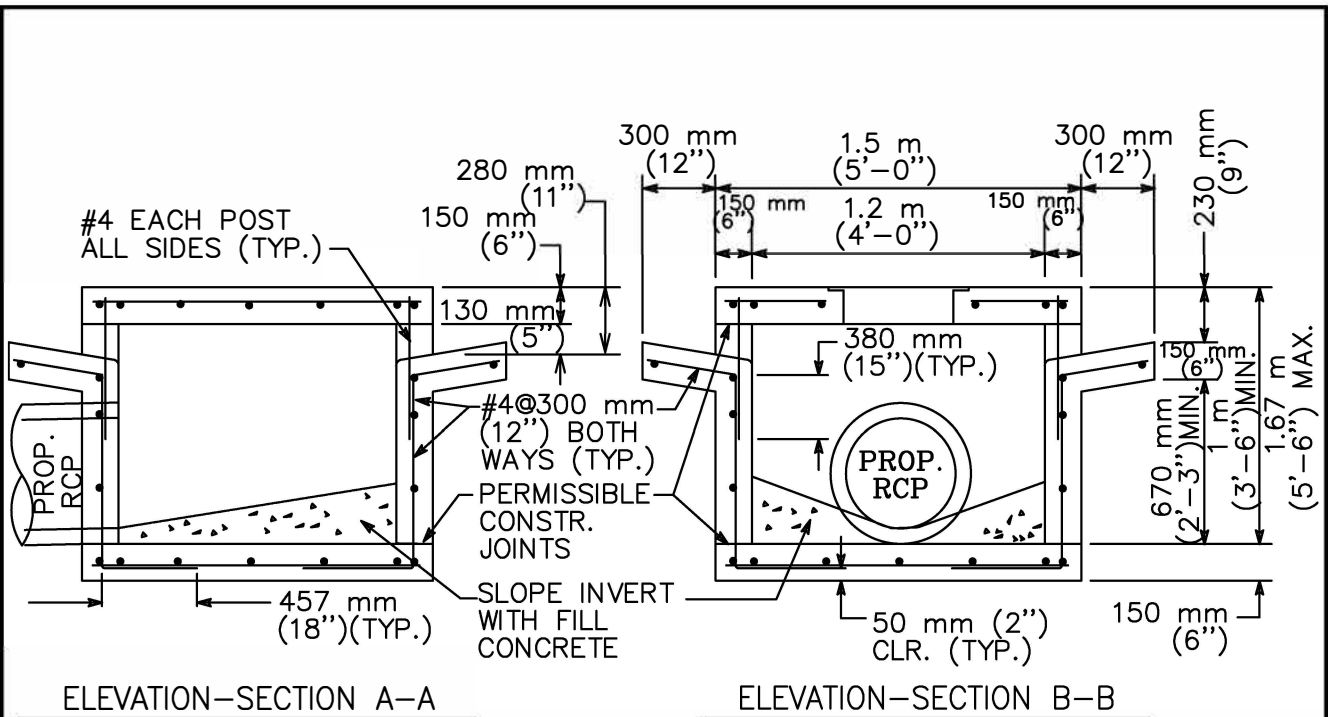
	CITY OF BURNET DEPARTMENT OF PUBLIC WORKS		CURB INLET STANDARD	
	APPROVED BY: STAFF	DATE: 08/2020	The Architect/Engineer assumes responsibility for appropriate use of this standard.	DETAIL NUMBER: SD-11

NOTES:


1. ALL CONCRETE SHALL BE CLASS "A"
2. ALL REINFORCING STEEL SHALL BE GRADE 60
3. DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTERS OF BARS.
4. VERTICAL STEEL MAY BE SPLICED (380 mm or 15" MIN. LAP) IN THE LOWER ONE-HALF OF ALL INLET WALLS.
5. IN AREAS OF CONFLICT BETWEEN REINFORCING STEEL, PIPES AND MANHOLE FRAME, THE REINFORCEMENT SHALL BE BENT OR ADJUSTED TO CLEAR AS DIRECTED BY THE ENGINEER.
6. QUANTITIES SHOWN HEREON ARE FOR THE CONTRACTOR'S INFORMATION ONLY. PAYMENT WILL BE MADE FOR EACH INLET OF THE TYPE SPECIFIED, COMPLETE IN PLACE INCLUDING MANHOLE FRAME AND OVER.
7. CHAMFER ALL EXPOSED EDGES 20 mm (3/4 ").
8. MANHOLE FRAME AND COVER SHALL BE IN COMPLIANCE WITH CITY OF BURNET TECHNICAL CONSTRUCTION STANDARDS AND SPECIFICATIONS MANUAL.
9. THE CONTRACTOR MAY PROPOSE ALTERNATE PROCEDURES FOR THE CONSTRUCTION OF INLETS, INCLUDING PRECAST UNITS. PLANS FOR SUCH PROPOSED ALTERNATES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL BEFORE CONSTRUCTION.
10. ALL INLET WALLS SHALL BE FORMED EXCEPT WHERE THE NATURE OF THE SURROUNDING MATERIAL IS SUCH THAT IT CAN BE TRIMMED TO A SMOOTH VERTICAL FACE. WHEN INLET WALLS ARE PLACED TO NEAT EXCAVATION LINES THE WALL THICKNESS SHALL NOT EXCEED 10 INCHES.
11. PAYMENT FOR INLET AT THE CONTRACT PRICE SHALL INCLUDE THE TRANSITION CURB.
12. INVERT OF INLET SHALL BE SLOPED 1:20 WITH FILL CONCRETE, SHAPED AS "V" SECTION
13. NO SPLICING OF REINFORCING STEEL SHALL BE PERMITTED UNLESS OTHERWISE NOTED ON THE PLANS OR PERMITTED IN WRITING BY THE ENGINEER.

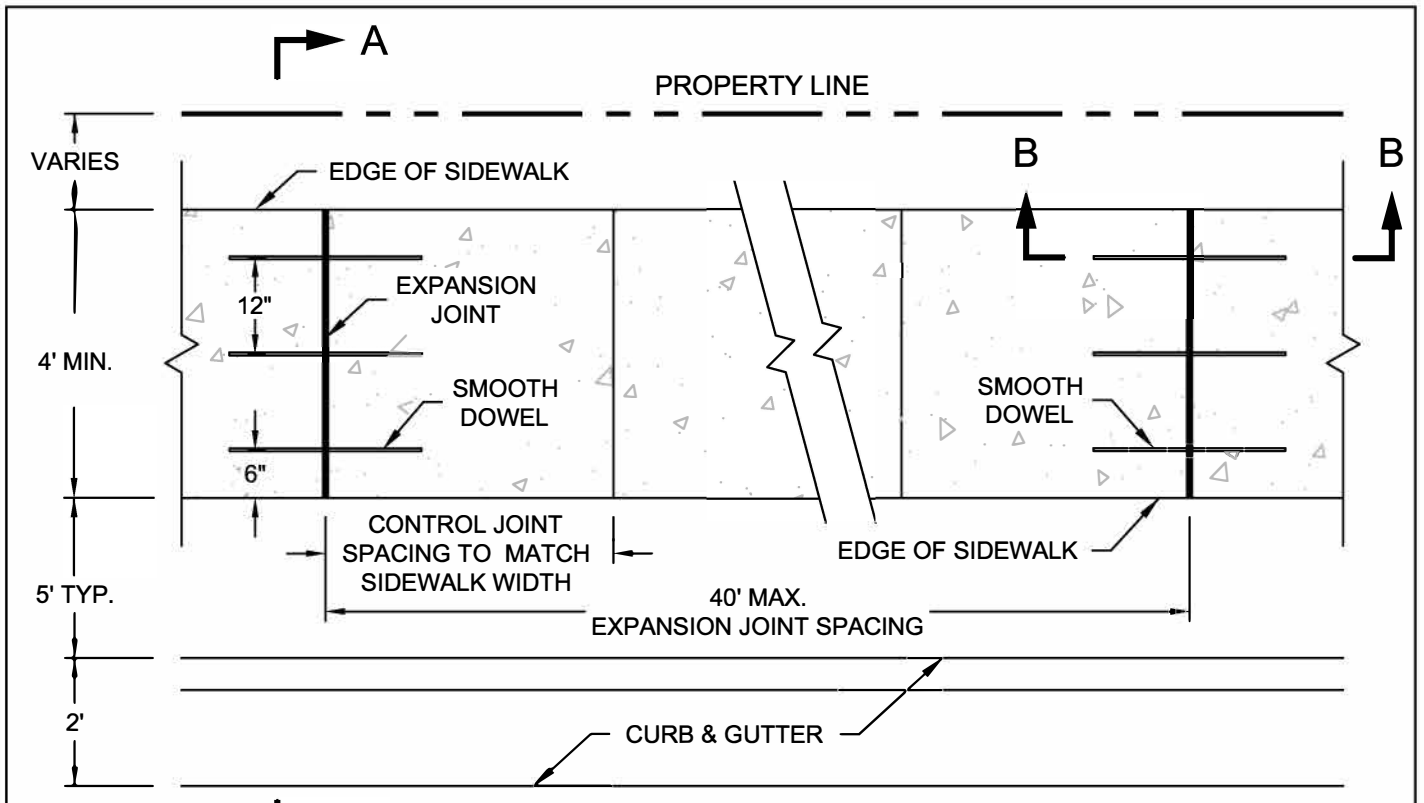
SHEET 4 OF 4

	CITY OF BURNET DEPARTMENT OF PUBLIC WORKS		CURB INLET STANDARD	
	APPROVED BY: <p style="text-align: center;">STAFF</p>	DATE: <p style="text-align: center;">08/2020</p>	The Architect/Engineer assumes responsibility for appropriate use of this standard.	DETAIL NUMBER: <p style="text-align: center;">SD-11</p>

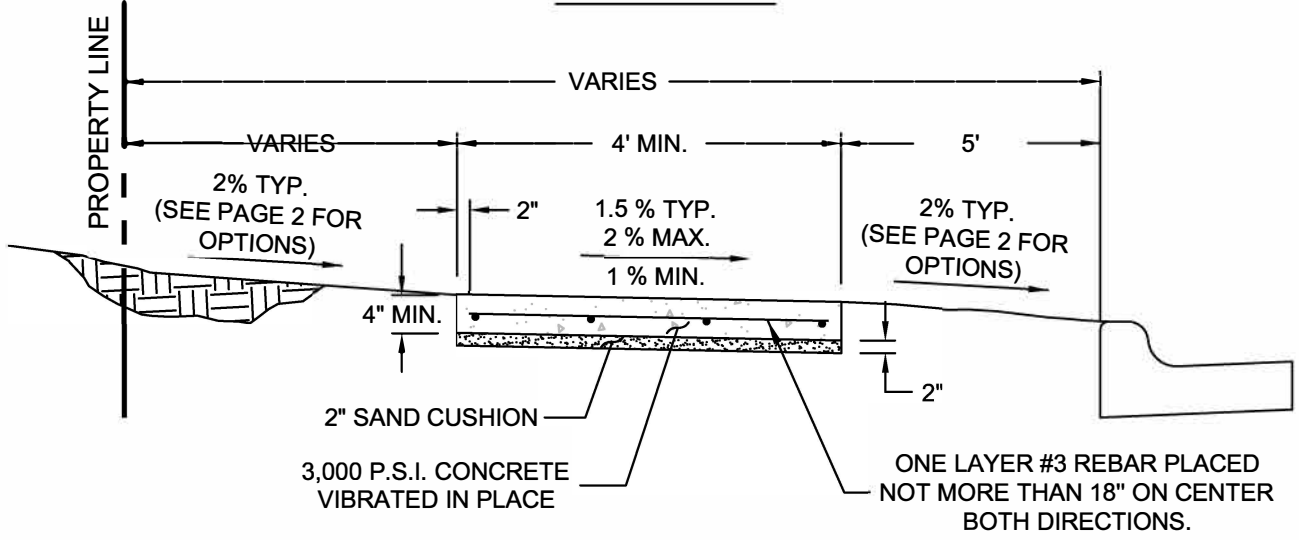


- NOTES:
1. CHAMFER ALL EXPOSED EDGES 20 mm (3/4").
 2. REINFORCING STEEL SHALL BE CUT OR FIELD-BENT AS REQUIRED TO CLEAR PIPE AND INLET FRAME OPENING. ALL CUT STEEL SHALL BE REPLACED WITH ADDITIONAL DIAGONAL BARS OF THE SAME DIAMETER.
 3. INLET FRAME AND COVER SHALL BE IN ACCORDANCE WITH CITY OF BURNET STANDARDS.
 4. CONCRETE COVERAGE OF STEEL SHALL BE 50 mm (2") MIN. AT ALL SURFACES.

	CITY OF BURNET DEPARTMENT OF PUBLIC WORKS		4-SIDED AREA INLET	
	APPROVED BY: STAFF	DATE: 08/2020	The Architect/Engineer assumes responsibility for appropriate use of this standard.	DETAIL NUMBER: SD-12



PLAN VIEW



SECTION A - A

NOTES FOR REBAR PLACEMENT:

1. REINFORCEMENT SHALL BE ACCURATELY PLACED AT SLAB MID-DEPTH AND HELD FIRMLY IN PLACE BY MEANS OF BAR SUPPORTS OF ADEQUATE STRENGTH AND NUMBER THAT WILL PREVENT DISPLACEMENT AND KEEP THE STEEL AT ITS PROPER POSITION DURING THE PLACEMENT OF THE P.C. CONCRETE.
2. IN NO INSTANCE SHALL THE STEEL BE PLACED DIRECTLY ON THE SUBGRADE, SAND CUSHION LAYER OR CLOSER THAN 2" TO THE OUT SIDE EDGE OF THE CONCRETE.



CITY OF BURNET
 DEPARTMENT OF PUBLIC WORKS

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DATE:
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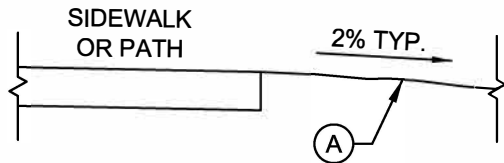
SIDEWALK SECTION AND JOINT DETAIL

The Architect/Engineer assumes responsibility for appropriate use of this standard.

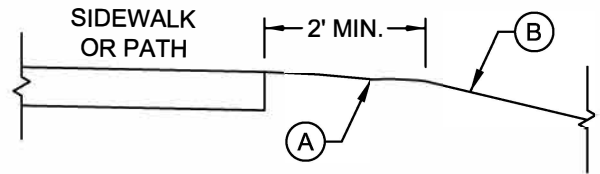
DETAIL NUMBER:
SD-13

NOTES:

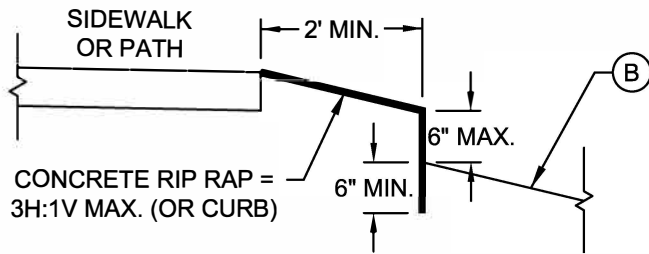
1. CONTROL JOINTS SHALL BE 1/4 INCH WIDE AND 3/4 INCH DEEP TOOLED OR SAW CUT INTO SIDEWALK.
2. CONSTRUCT 3/4" REDWOOD EXPANSION JOINTS AT MAXIMUM 40'- 0" SPACING ALONG LENGTH OF SIDEWALK. EXPANSION JOINTS SHALL INCLUDE SMOOTH DOWELS CENTERED TO THE JOINT AT 12" C-C. PER DETAIL.
3. IF SIDEWALK IS ADJOINED TO CURB, COLD JOINT IS REQUIRED, UNLESS APPROVED BY THE CITY INSPECTOR.
4. RAMPS AT INTERSECTION WILL FOLLOW CITY DETAIL SD-19
5. MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY SPECIFICATIONS.



DETAIL 1A



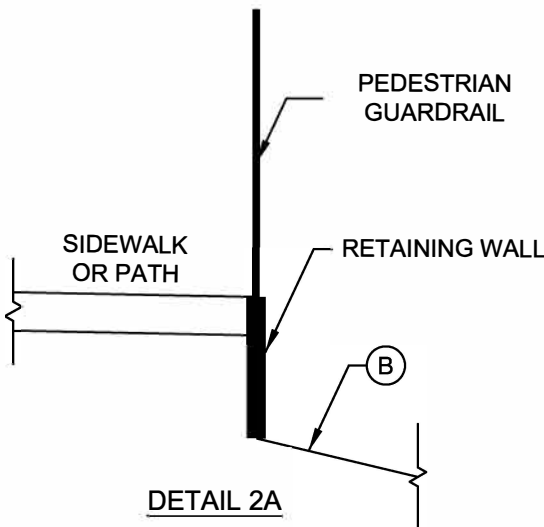
DETAIL 1B



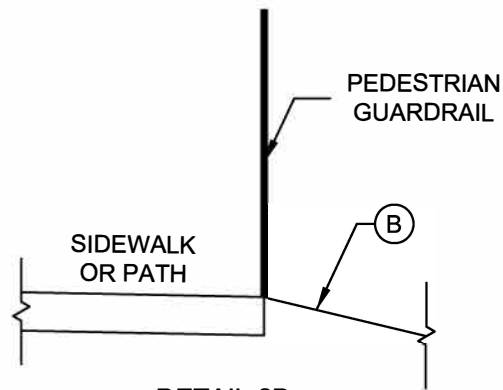
DETAIL 1C

MAX SLOPES		
MATERIAL	(A)	(B)
GRASS	4H : 1V	3H : 1V
CONCRETE	3H : 1V	2H : 1V

(DETAIL 1) : NO PROTECTION REQUIRED



DETAIL 2A



DETAIL 2B

(DETAIL 2) : EDGE PROTECTION REQUIRED

WHEN OPTIONS SHOWN IN (DETAIL 1) CAN NOT BE MET

REFERENCES
DETAIL SD-20

SHEET 2 OF 2



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

SIDEWALK SECTION
AND JOINT DETAIL

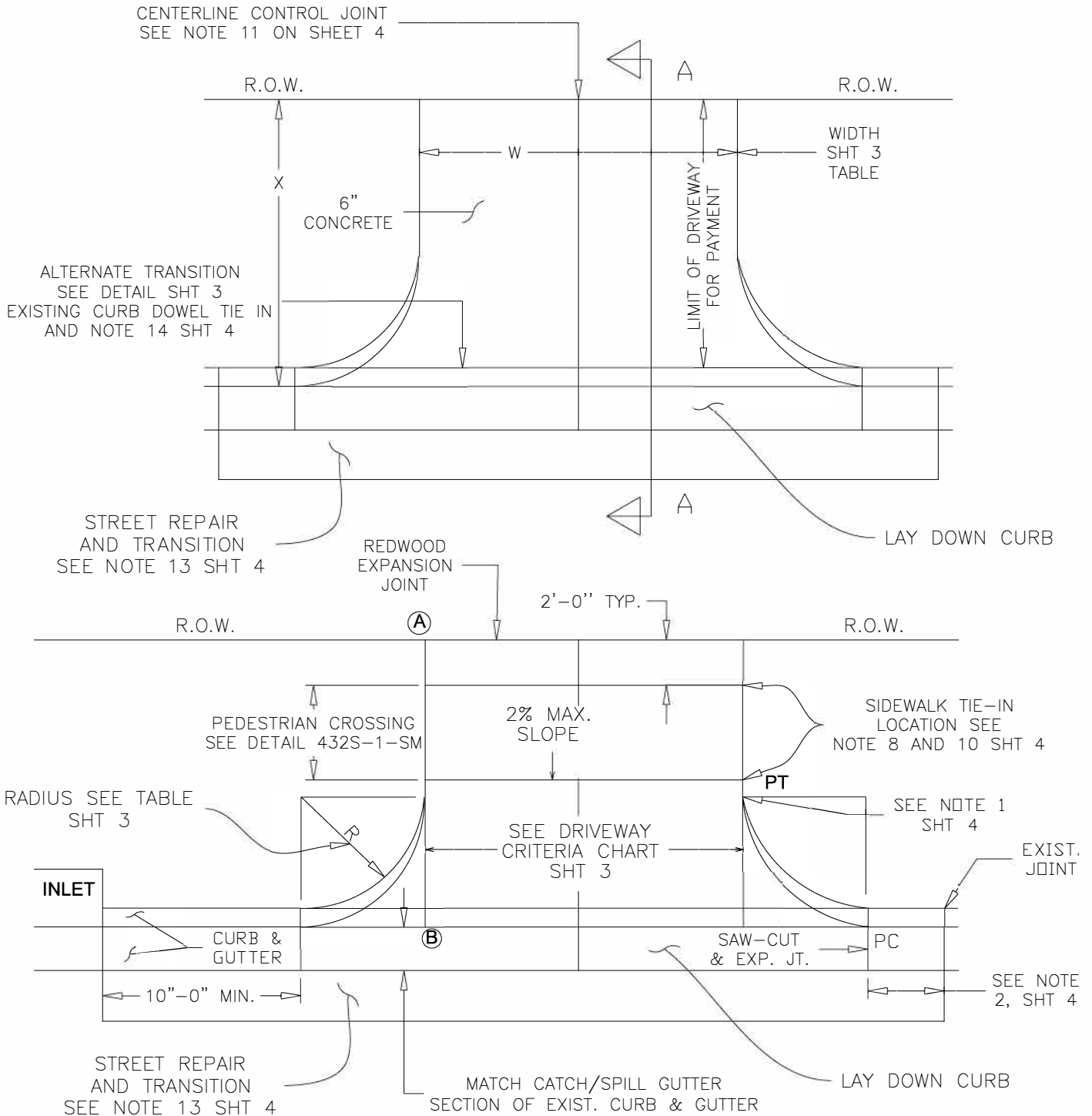
APPROVED BY:
STAFF

DATE:
08/2020

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DETAIL NUMBER:
SD-13

CENTERLINE CONTROL JOINT
SEE NOTE 11 ON SHEET 4



PLAN

NOTE: ALL DRIVEWAYS SHALL BE SLOPED TOWARDS THE STREET FROM THE R.O.W. LINE. ELEVATION OF POINT (A) ABOVE POINT (B) IS, TYPICALLY A MINIMUM OF 6" PLUS 1/4" RISE/FOOT OVER DISTANCE "X".

SHEET 1 OF 4



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

RESIDENTIAL DRIVEWAY
TYPE 1

APPROVED BY:

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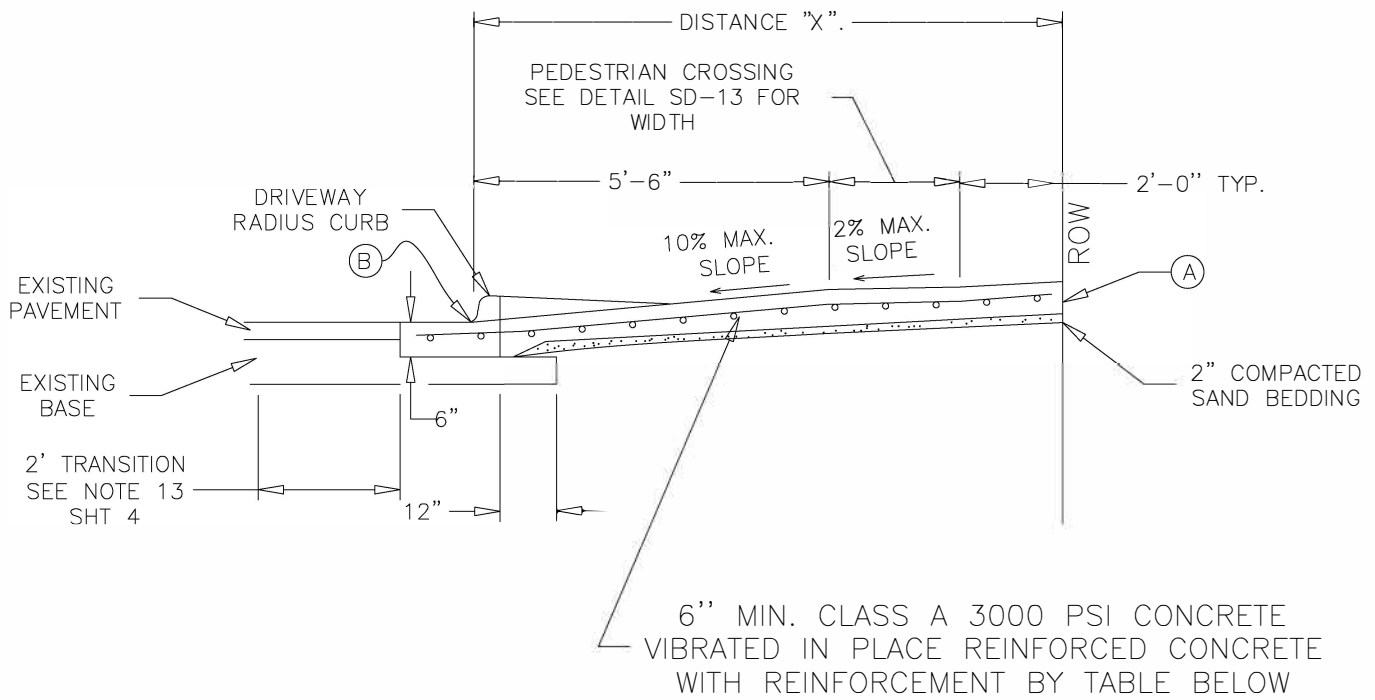
DATE:

08/2020

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DETAIL NUMBER:

SD-14



USE	THICKNESS	REINFORCEMENT
SINGLE FAMILY, DUPLEX AND TOWNHOUSES	6"	#3 BARS AT 18" O.C. BOTH DIRECTIONS

NOTES FOR REBAR PLACEMENT

1. REINFORCEMENT SHALL BE ACCURATELY PLACED AT SLAB MID-DEPTH AND HELD FIRMLY IN PLACE BY MEANS OF BAR SUPPORTS OF ADEQUATE STRENGTH AND NUMBER THAT WILL PREVENT DISPLACEMENT AND KEEP THE STEEL AT ITS PROPER POSITION DURING THE PLACEMENT OF THE P.C. CONCRETE.
2. IN NO INSTANCE SHALL THE STEEL BE PLACED DIRECTLY ON THE SUBGRADE, SAND CUSHION LAYER OR CLOSER THAN 2" TO THE OUTSIDE EDGE OF THE CONCRETE.

**SECTION A-A
CROSS SECTION
OF DRIVEWAY**

NOTE: ALL DRIVEWAYS SHALL BE SLOPED TOWARDS THE STREET FROM THE R.O.W. LINE. ELEVATION OF POINT (A) ABOVE POINT (B) IS, TYPICALLY A MINIMUM OF 6" PLUS 1/4" RISE/FOOT OVER DISTANCE "X".

SHEET 2 OF 4



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

RESIDENTIAL DRIVEWAY
TYPE 1

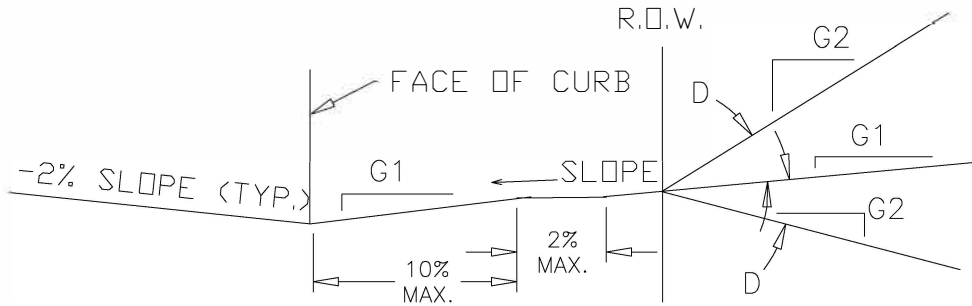
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SD-14

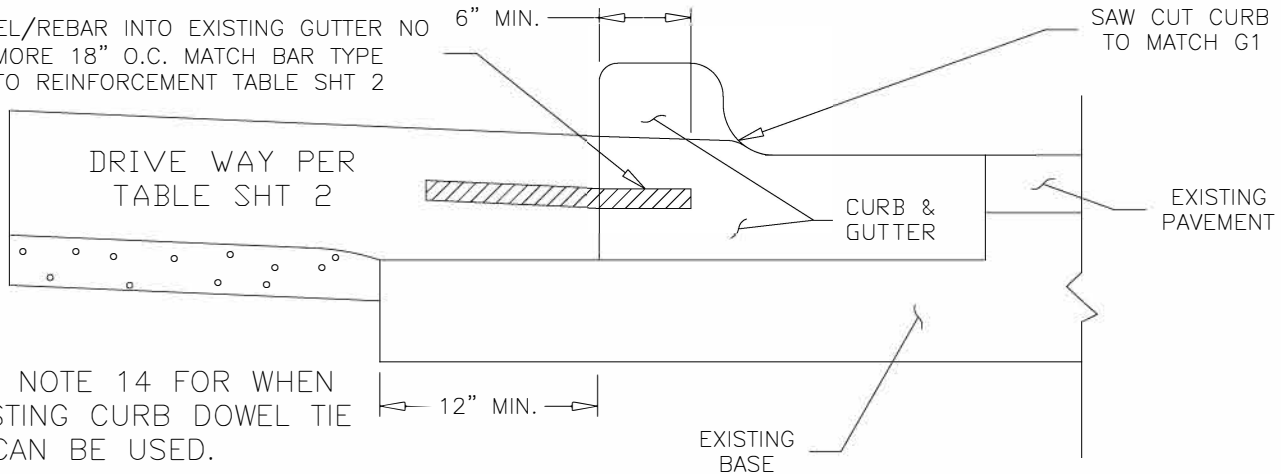
DRIVEWAY CRITERIA	WIDTH (W) FEET		RADIUS DIM. (R) FEET		SPACING BETWEEN DRIVEWAY
	MIN.	MAX.	MIN.	MAX.	MIN. FEET
SINGLE FAMILY	10	20	5	5	10
DUPLEX AND TOWNHOUSES	15	25	5	10	20



SEE NOTE 6

ALLOWABLE GRADES

DOWEL/REBAR INTO EXISTING GUTTER NO MORE 18" O.C. MATCH BAR TYPE TO REINFORCEMENT TABLE SHT 2



SEE NOTE 14 FOR WHEN EXISTING CURB DOWEL TIE IN CAN BE USED.

EXISTING CURB DOWEL TIE IN

NOTE: ALL DRIVEWAYS SHALL BE SLOPED TOWARDS THE STREET FROM THE R.O.W. LINE. ELEVATION OF POINT (A) ABOVE POINT (B) IS, TYPICALLY A MINIMUM OF 6" PLUS 1/4" RISE/FOOT OVER DISTANCE "X".

SHEET 3 OF 4



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

RESIDENTIAL DRIVEWAY
TYPE 1

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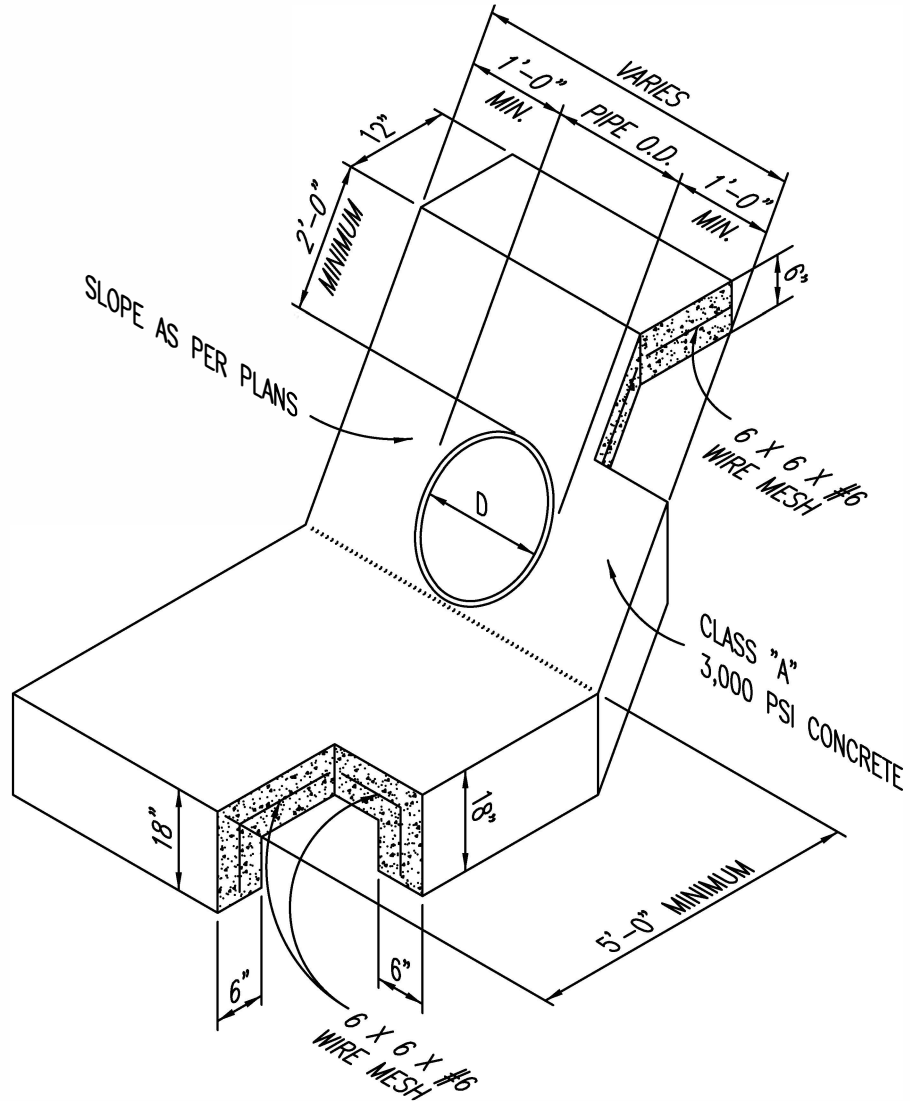
NOTES:

1. "ZERO" CURB AT PT OR SIDEWALK EDGE, WHICHEVER IS ENCOUNTERED FIRST. THE DRIVEWAY EDGE SHALL BE SMOOTHLY TRANSITIONED INTO THE SIDEWALK BEGINNING AT THE RADIUS PC LINE.
2. IF DIMENSION IS LESS THAN 5 FEET, REMOVE CURB AND GUTTER TO EXISTING JOINT AND POUR MONOLITHICALLY WITH THE DRIVEWAY.
3. IF THE BASE IS OVER EXCAVATED WHERE THE CURB AND GUTTER WAS REMOVED, BACKFILL WITH CONCRETE MONOLITHICALLY WITH THE DRIVEWAY.
4. ALL DRIVEWAYS MUST BE CONSTRUCTED WITHIN THE STREET FRONTAGE OF THE SUBJECT PROPERTY AS DETERMINED BY EXTENDING THE SIDE PROPERTY LINES TO THE CURB.
5. DRIVEWAYS SHALL NOT BE CONSTRUCTED WITHIN THE CURB RETURN OF A STREET INTERSECTION.
6. WHILE THE PROPERTY OWNER REMAINS RESPONSIBLE FOR GRADE BREAKS WITHIN PRIVATE PROPERTY, THE FIRE DEPARTMENT SHOULD BE CONSULTED WHERE THE DRIVEWAY IS ESSENTIAL TO EMERGENCY VEHICLE ACCESS AND "G2" IS GREATER THAN 15%. "G1" PLUS "D" SHOULD NOT EXCEED 15%.
7. SEE TCSS MANUAL FOR OTHER DRIVEWAY REQUIREMENTS.
8. USE 1/2" ASPHALT BOARD, OR OTHER APPROVED MATERIAL, FOR CURB AND GUTTER EXPANSION JOINTS
9. EXPANSION JOINT REQUIRED WHERE THE DRIVE WAY ENDS AT THE ROW LINE.
10. THE SIDEWALK, REGARDLESS OF ITS LOCATION WITH RESPECT TO THE CURB OR PROPERTY LINE, SHALL BE CONNECTED TO THE DRIVEWAY AT THESE LOCATIONS AND BE DELINEATED ALONG THE DRIVEWAY WITH A TOOL OR SAW CUT JOINT ON BOTH SIDES OF THE SIDEWALK LOCATED IN THE DRIVEWAY SEE NOTE 15.
11. PLACE AN CONTROL JOINT DOWN THE CENTER OF ALL DRIVEWAYS.(SEE NOTE 15)
12. WATER METER BOXES AND WASTEWATER CLEAN OUTS ARE PROHIBITED FROM BEING LOCATED IN DRIVEWAY AREAS.
13. A 2 FOOT WIDE STREET CUT WILL BE MADE IN THE ROAD FROM THE EDGE OF A NEW CONCRETE GUTTER OUT INTO THE STREET ALONG THE NEW GUTTER SECTION AND BEYOND AS NEEDED TO INSTALL A SMOOTH ASPHALT TRANSITION FROM THE NEW GUTTER SECTION TO ROAD.
14. IF EXISTING CURB IS IN GOOD CONDITION, THE CURB CAN BE SAW CUT DOWN TO SLOPE G1 OF THE DRIVE WAY PROFILE ON SHT. 3 AND DOWEL/REBAR WILL BE DRILLED INTO THE THE GUTTER (CREATED BY CUTTING THE CURB) A MINIMUM OF 6" EVERY 18" ON CENTER ALONG THE GUTTER. NOTE 13 WILL NOT APPLY FOR THIS TYPE OF DRIVEWAY CONNECTION.
15. CONTROL JOINT WILL BE A TOOL JOINT OR A SAW CUT WITH WALK BEHIND SAW 1/4 THE DEPTH OF THE CONCRETE.

SHEET 4 OF 4

	CITY OF BURNET DEPARTMENT OF PUBLIC WORKS		RESIDENTIAL DRIVEWAY TYPE 1	
	APPROVED BY: <p style="text-align: center; font-size: 1.2em;">STAFF</p>	DATE: <p style="text-align: center; font-size: 1.2em;">08/2020</p>	The Architect/Engineer assumes responsibility for appropriate use of this standard.	DETAIL NUMBER: <p style="text-align: center; font-size: 1.2em;">SD-14</p>

MINIMUM RIP-RAP QUANTITIES	
PIPE	SQ. YDS.
18"	6.2
24"	6.9
27"	7.8
30"	9.5
36"	10.4
42"	12.0
48"	14.3
54"	16.4



NOTES:

1. WHEN HEADWALLS AND WINGWALLS ARE REQUIRED, THEY SHALL CONFORM TO THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARDS, OR AS DIRECTED BY THE CITY.
2. ENERGY DISSIPATERS SHALL BE REQUIRED IF PIPE VELOCITY IS GREATER THAN 5.0 F.P.S. OR AS DIRECTED BY THE CITY OF BURNET.
3. SUPPORT REINFORCING WIRE MESH REQUIRED AS SUPPORT FOR APPROACH SLAB AND SHALL BE SUPPORTED BY REBAR CHAIRS OR OTHER APPROVED METHODS.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

SLOPED HEADWALL

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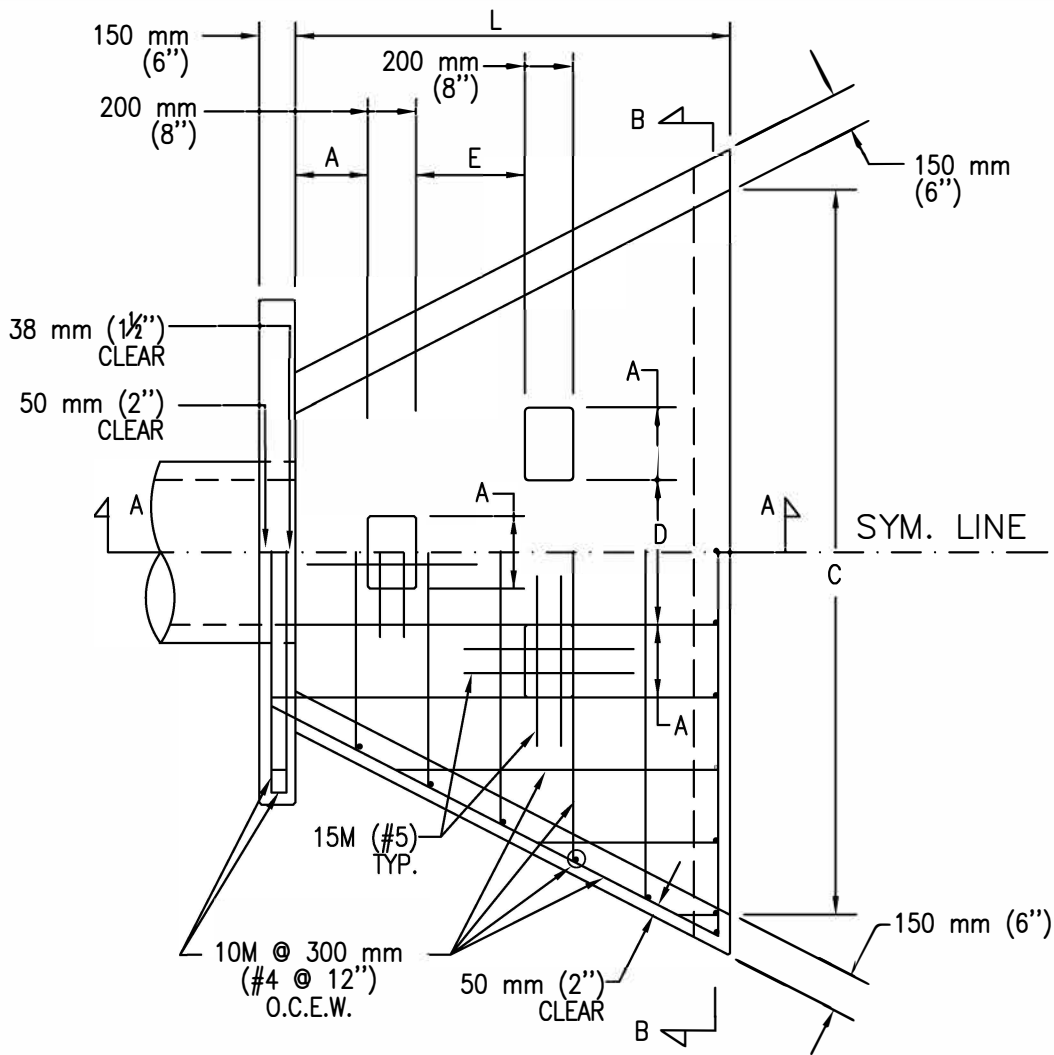
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08/2020

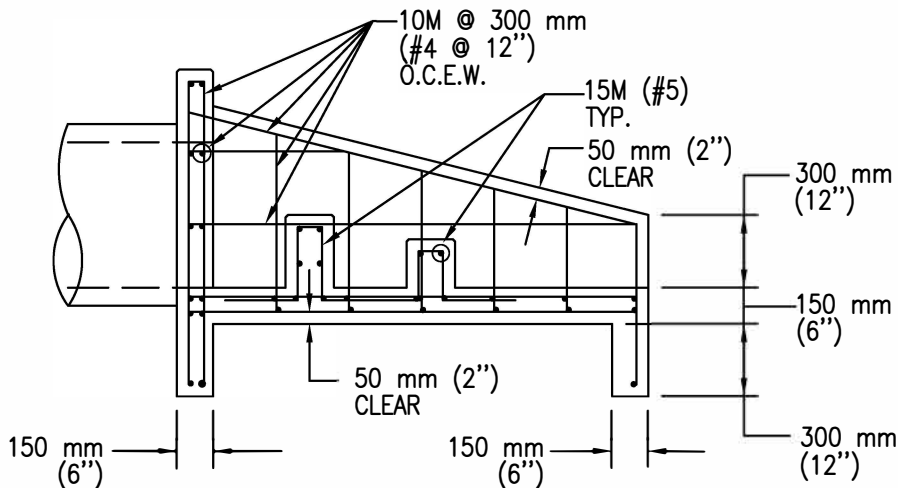
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DETAIL NUMBER:

SD-15



PLAN



SECTION A-A

SHEET 1 OF 2



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

STANDARD HEADWALL AND
ENERGY DISSIPATORS

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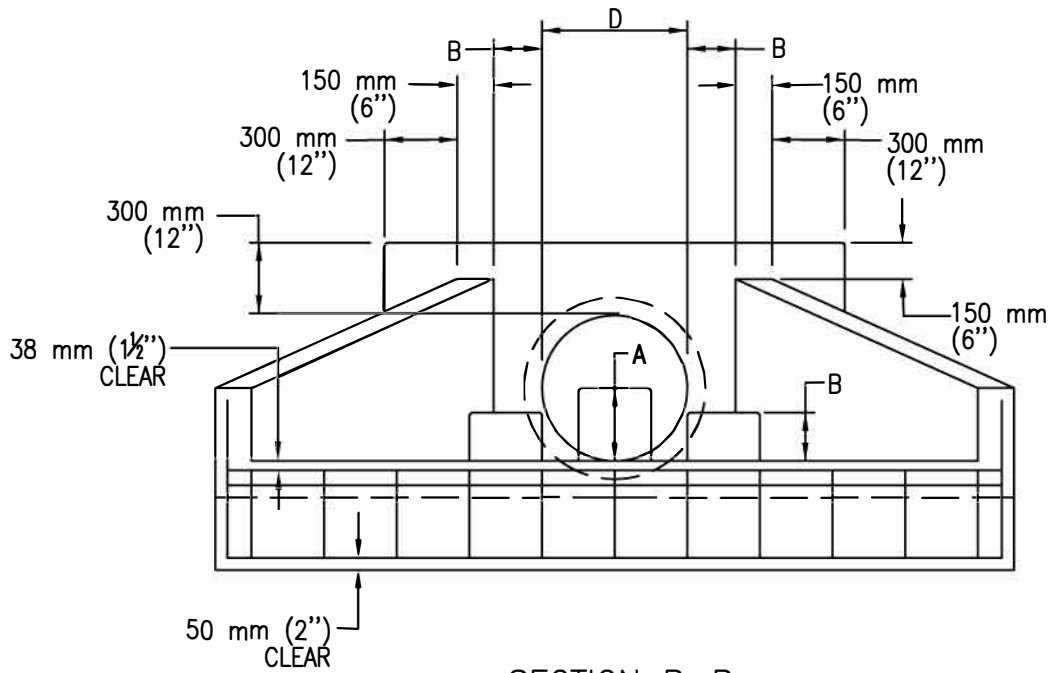
DATE:

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DETAIL NUMBER:

SD-16



SECTION B-B

NOTES:

1. ALL CONCRETE SHALL BE TYPE "C" AS PER SPEC. 403S, CONCRETE FOR STURCTURES.
2. CHAMFER ALL EXTERNAL VISIBLE CORNERS.
3. DISSIPATOR BLOCKS REQUIRED ON DISCHARGE HEADWALLS ONLY.

D	457 mm (18'')	533 mm (21'')	610 mm (24'')	685 mm (27'')	765 mm (30'')	838 mm (33'')	914 mm (36'')	1.067 m (42'')	1.219 m (48'')	1.372 m (54'')	1.524 m (60'')
A	225 mm (9'')	250 mm (10'')	300 mm (12'')	350 mm (14'')	375 mm (15'')	400 mm (16'')	450 mm (18'')	525 mm (21'')	600 mm (24'')	675 mm (27'')	750 mm (30'')
B	150 mm (6'')	175 mm (7'')	200 mm (8'')	225 mm (9'')	250 mm (10'')	275 mm (11'')	300 mm (12'')	350 mm (14'')	400 mm (16'')	450 mm (18'')	500 mm (20'')
C	2.29 m (90'')	2.67 m (105'')	3.05 m (120'')	3.43 m (135'')	3.81 m (150'')	4.19 m (165'')	4.57 m (180'')	5.33 m (210'')	6.10 m (240'')	6.86 m (270'')	7.62 m (300'')
L	1.37 m (54'')	1.60 m (63'')	1.83 m (72'')	2.06 m (81'')	2.29 m (90'')	2.51 m (99'')	2.74 m (108'')	3.20 m (126'')	3.66 m (144'')	4.11 m (162'')	4.57 m (180'')
E	300 mm (12'')	350 mm (14'')	400 mm (16'')	450 mm (18'')	500 mm (20'')	550 mm (22'')	600 mm (24'')	700 mm (28'')	800m (32'')	900 mm (36'')	1000 mm (40'')

DIMENSIONS IN MILLIMETERS, METERS AND (INCHES).

DISCHARGE VELOCITIES GREATER THAN 3 METERS/SECOND (10 fps) REQUIRE ROCK OUTLET PROTECTION.

SHEET 2 OF 2



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

**STANDARD HEADWALL AND
ENERGY DISSIPATORS**

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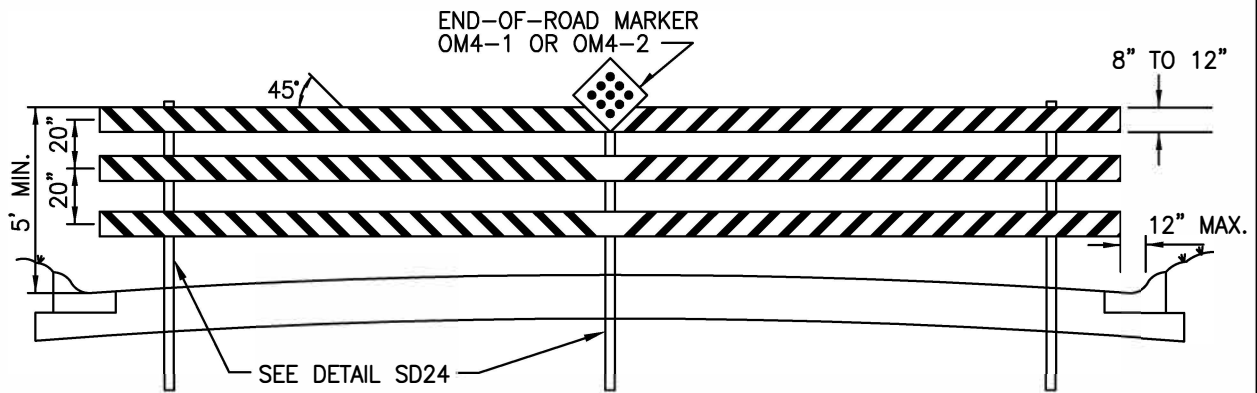
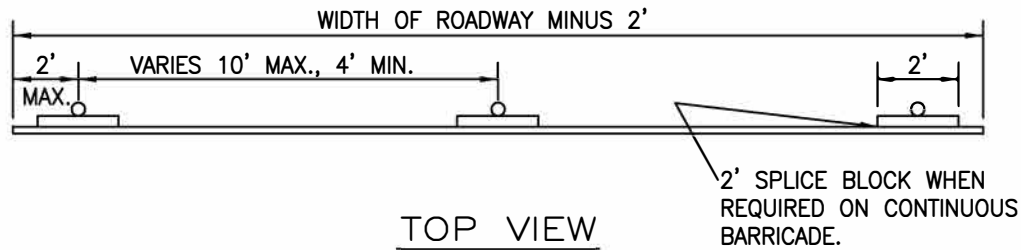
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SD-16



GENERAL NOTES FOR THIN WALL TUBE TYPE SIGN SUPPORT:

1. THE BASE SOCKET IS FORMED FROM 2 7/8 " O.D. X 12 GAUGE GALVANIZED PIPE.
2. THE WEDGE IS FORMED FROM 11 GAUGE STEEL GALVANIZED PER ASTM A525.
3. THE SIGN POST IS 2.375" O.D. X 0.095" THIN WALL STEEL TUBING.
4. STEEL SUPPORTS SHALL BE MADE FROM NEW MATERIAL AND SHALL BE CORROSION RESISTANT. STEEL SUPPORTS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATIONS A123 OR A525 (G-90 OR BETTER).
5. SUPPORTS SHALL BE STRAIGHT WITHIN 1/4 " PER 5 FEET OF LENGTH AND SHALL HAVE A SMOOTH, UNIFORM FINISH FREE FROM DEFECTS AFFECTING STRENGTH OR APPEARANCE. ANY BOLT HOLES AND SHEARED ENDS SHALL BE FREE FROM BURRS. BASES OF MULTISECTION SUPPORTS SHALL NOT EXTEND MORE THAN 5 INCHES ABOVE GROUND WHEN INSTALLED.
6. BOLTS, NUTS, SCREWS, WASHERS AND OTHER MISCELLANEOUS HARDWARE SHALL BE GALVANIZED IN ACCORDANCE TO ASTM DESIGNATION: A153 CLASS C OR D, OR B695 CLASS 50.
7. BARRICADE SUPPORTS SYSTEMS USED ON THIS SHEET MAY BE SUITABLE FOR ONLY CERTAIN SOIL TYPES. THE CONTRACTOR IS RESPONSIBLE FOR SELECTING THE APPROPRIATE SUPPORT SYSTEM FOR SOIL CONDITIONS ON EACH PROJECT.
8. ALL BARRICADES TO BE IN CONFORMANCE WITH THE CURRENT EDITION OF THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
9. RAIL-HIGH DENSITY POLYETHYLENE OR HOLLOW PROFILE PLASTIC LUMBER AND SHEETING SHALL BE RETROREFLECTIVE, INCLUDING SPLICE BLOCKS.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

**PERMANENT END-OF-ROAD
BARRICADE**

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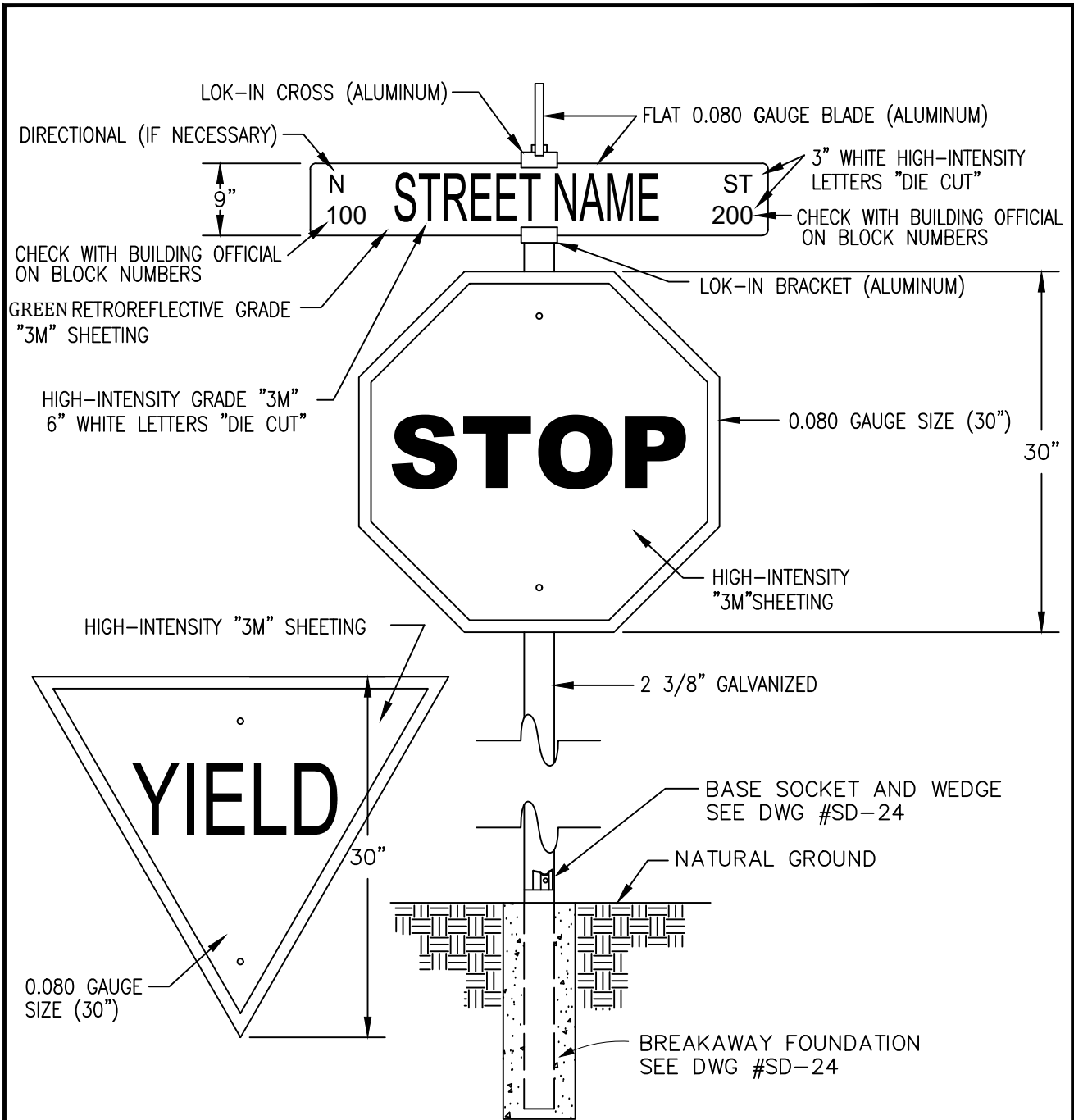
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DETAIL NUMBER:

SD-17



NOTES:

1. 7-FOOT MIN. HEIGHT FROM GROUND TO BOTTOM OF SIGN.
2. ALL SIGNS TO BE IN CONFORMANCE WITH THE CURRENT EDITION OF THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
3. ALL SIGNAGE SHEETINGS SHALL BE HIGH-INTENSITY "3M" SHEETING.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

STANDARD STREET
SIGN DETAIL

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DATE:

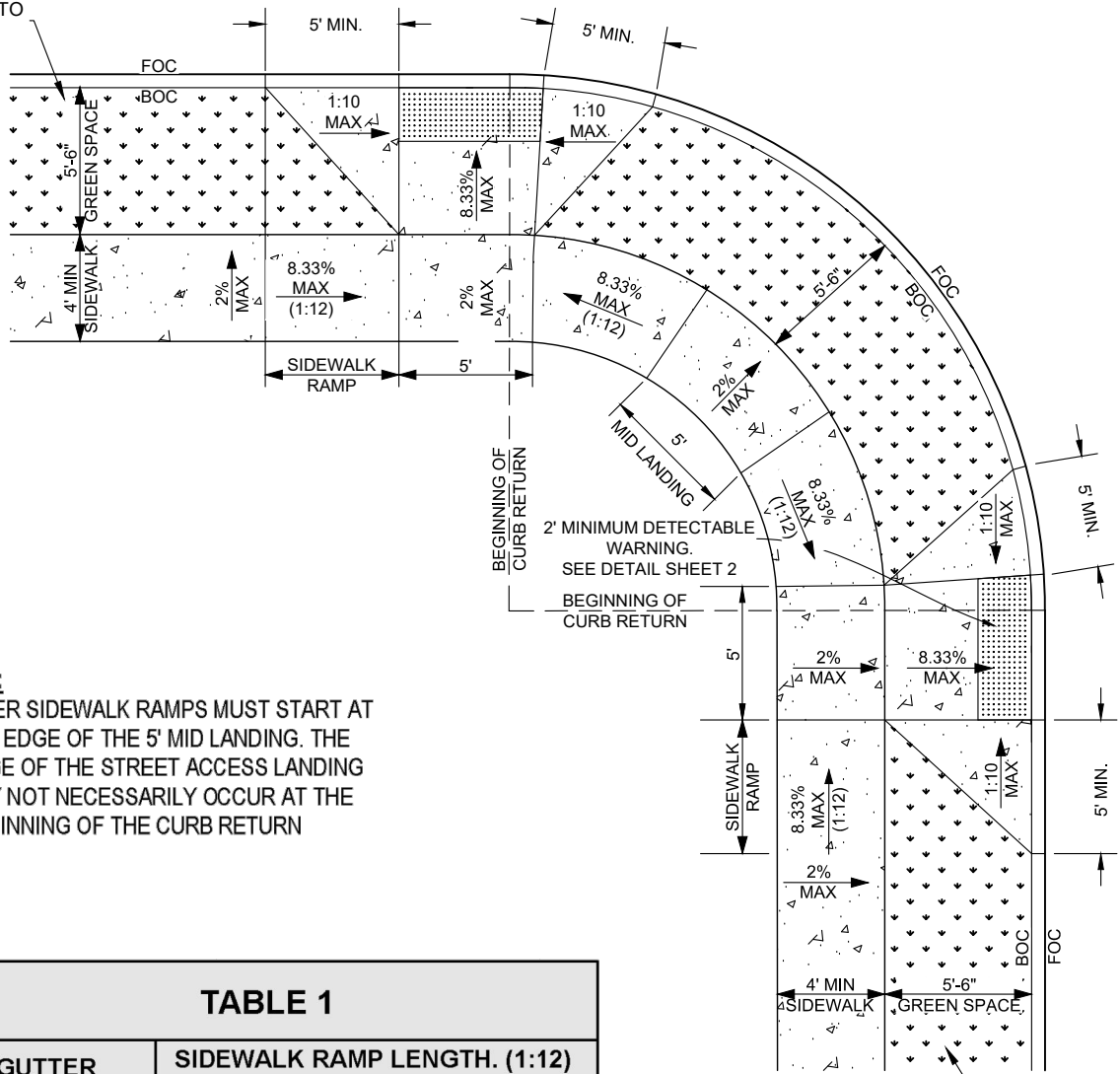
08/2020

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DETAIL NUMBER:

SD-18

TRANSITION TO
5'-0" IN 10'-0"



NOTE:

- INNER SIDEWALK RAMPS MUST START AT THE EDGE OF THE 5' MID LANDING. THE EDGE OF THE STREET ACCESS LANDING MAY NOT NECESSARILY OCCUR AT THE BEGINNING OF THE CURB RETURN

TABLE 1		
GUTTER SLOPE	SIDEWALK RAMP LENGTH. (1:12)	
	LOW SIDE	HIGH SIDE
1%	5'-6"	7'-2"
2%	5'-0"	8'-4"
3%	4'-6"	10'-0"
4%	4'-2"	12'-6"
5%	3'-10"	16'-8"

TRANSITION TO
5'-0" IN 10'-0"



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

SIDEWALK RAMP
DETAIL

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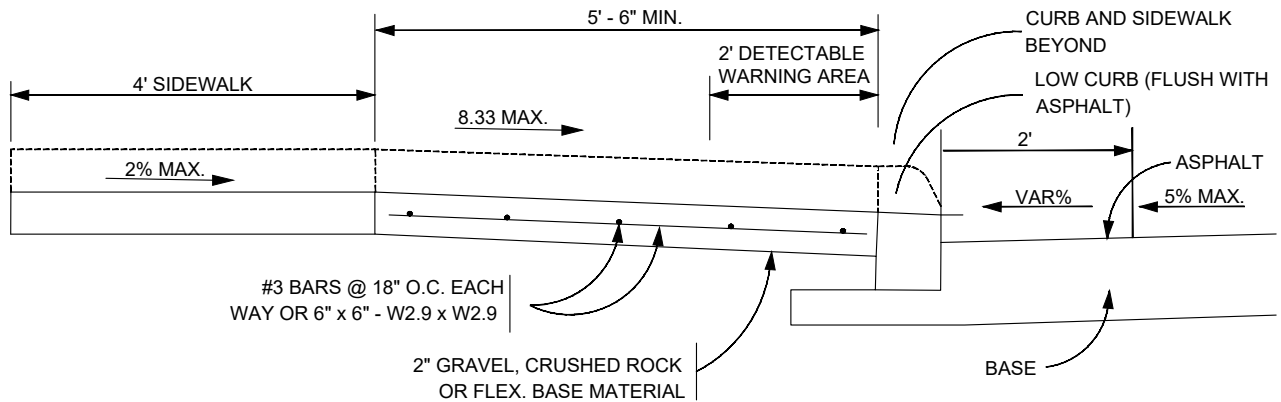
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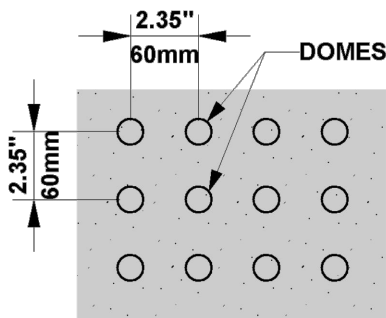
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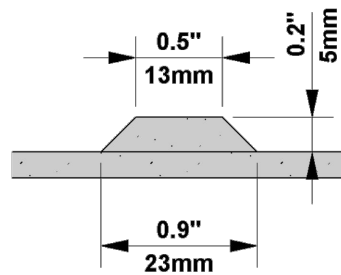
SD-19



STREET ACCESS RAMP SECTION



PLAN DETAIL
NO SCALE



DOMES SECTION
NO SCALE

SHEET 2 OF 3



CITY OF BURNET
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SIDEWALK RAMP
DETAIL

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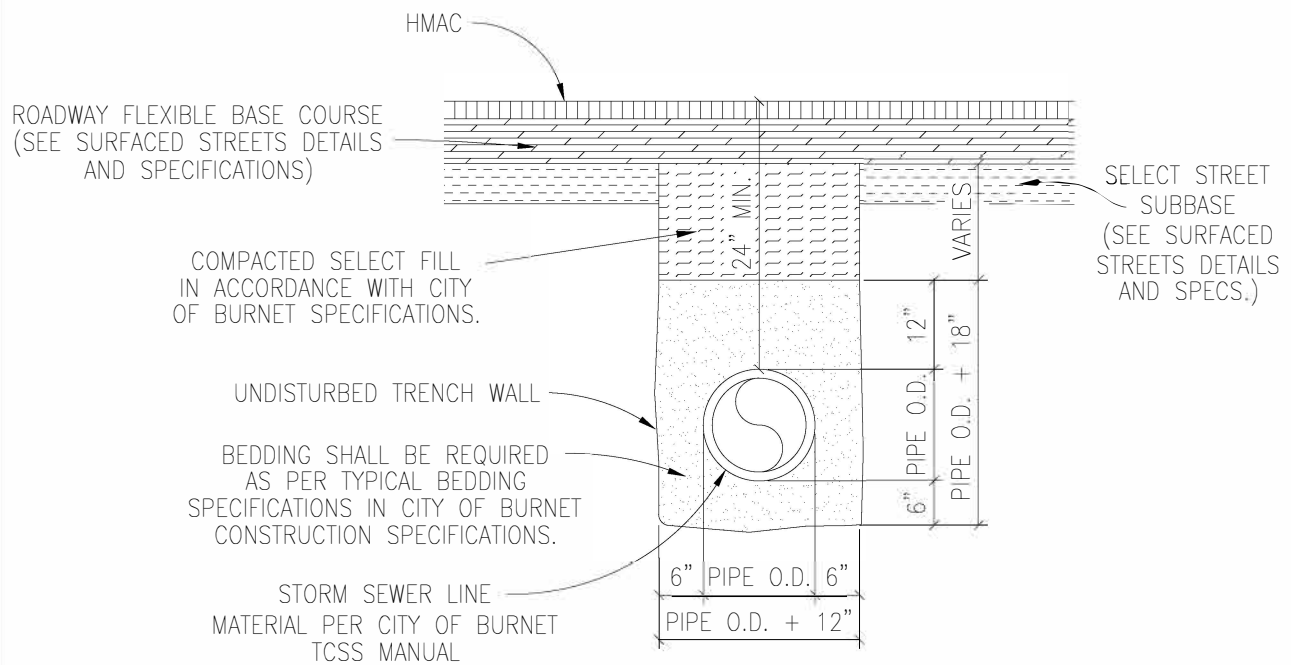
SD-19

SIDEWALK AND RAMPS: GENERAL NOTES

1. SIDEWALKS SHALL BE PLACED 5' FROM BACK OF CURB. DEVIATION OF THE PATHWAY FROM A STRAIGHT LINE IS ALLOWED TO AVOID TREES OR OTHER OBSTRUCTIONS.
2. FOR RESIDENTIAL STREETS, SIDEWALKS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4'.
3. FOR OTHER THAN RESIDENTIAL STREETS, SIDEWALKS SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 5' AND SEPARATED A MINIMUM OF 5' FROM THE BACK OF CURB.
4. SIDEWALK RAMP LENGTHS SHALL BE OF SUFFICIENT LENGTH TO MAINTAIN 8.33% (1:12) MAXIMUM SLOPE.
5. ALL CURB RAMPS OR LANDINGS ABUTTING THE CROSSWALK SHALL HAVE A DETECTABLE WARNING 24 INCHES DEEP (IN THE DIRECTION OF PEDESTRIAN TRAVEL) AND EXTENDING THE FULL WIDTH OF THE CURB RAMP OR LANDING. THE DETECTABLE WARNING SHALL CONSIST OF RAISED TRUNCATED DOMES, ALIGNED IN A GRID PATTERN WITH A DIAMETER OF A NOMINAL 0.9 INCHES (23mm), A HEIGHT OF NOMINAL 0.2 INCHES (5mm), AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES (60mm).
6. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE.
7. RAMP SURFACE SHALL BE BRUSH FINISHED.
8. THESE DETAILS ARE FOR REFERENCE ONLY. ACTUAL LOCATIONS OF WHEELCHAIR RAMPS TO BE SHOWN ON CONSTRUCTION PLANS.
9. SIDEWALKS LESS THAN 5 FEET IN WIDTH SHALL BE PROVIDED WITH A PASSING SPACE AT A MAXIMUM SPACING OF 200 FEET.
10. RAMP SHALL BE CONSTRUCTED WITH 4" CLASS "A" CONCRETE AND 2" GRAVEL, CRUSHED ROCK OR FLEXIBLE BASE MATERIAL.
11. REINFORCING STEEL SHALL BE #3 BARS AT 18" O.C. EACH WAY OR 6" x 6" - W2.9 x W2.9.
12. SIDEWALK GRADES SHALL NOT EXCEED THE GRADE ESTABLISHED FOR THE ADJACENT ROADWAY, ANY SIDEWALK CONSTRUCTION THAT DEVIATES FROM THE NATURAL GRADE OF THE ROADWAY TO CREATE A GRADE STEEPER THAN THE EXISTING ROADWAY WILL REQUIRE RAMPS, HANDRAILS, AND RESTING PLATFORMS TO BE CONSTRUCTED IN ACCORDANCE WITH ADA AND TAS STANDARDS.
13. SIDEWALK CROSS GRADE SHALL HAVE A MAXIMUM SLOPE OF 2%. LANDINGS SHALL HAVE A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.

SHEET 3 OF 3

	<p>CITY OF BURNET DEPARTMENT OF PUBLIC WORKS</p>		<p>SIDEWALK RAMP DETAIL</p>	
	<p>APPROVED BY:</p> <p style="text-align: center; font-size: 1.2em;">STAFF</p>	<p>DATE:</p> <p style="text-align: center; font-size: 1.2em;">08/2020</p>	<p>The Architect/Engineer assumes responsibility for appropriate use of this standard.</p>	<p>DETAIL NUMBER:</p> <p style="text-align: center; font-size: 1.2em;">SD-19</p>



NOTES:

1. DENSITY TESTS SHALL BE TAKEN IN ACCORDANCE WITH THE CITY OF BURNET CONSTRUCTION SPECIFICATIONS AND STANDARDS.
2. CONTRACTOR OR ENGINEER MAY USE FLOWABLE BACKFILL AS AN ALTERNATE BACKFILL MATERIAL.

TRENCH WIDTHS

- *PIPE LESS THAN 20" DIAMETER
1'-0" + PIPE O.D.
- *20" DIAMETER PIPE AND LARGER
2'-0" + PIPE O.D.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

TRENCH AND EMBEDMENT DETAIL UNDER
A PROPOSED ROADWAY FOR
STORM SEWER

APPROVED BY:

DATE:

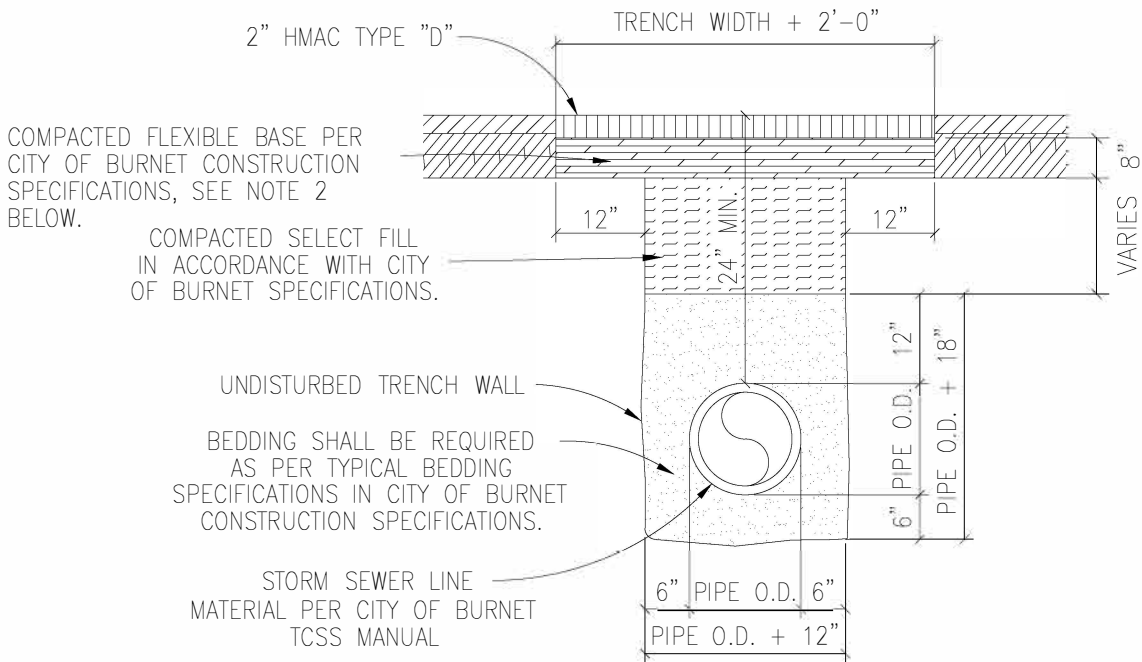
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DETAIL NUMBER:

SD-20



TRENCH WIDTHS

- *PIPE LESS THAN 20" DIAMETER
1'-0" + PIPE O.D.
- *20" DIAMETER PIPE AND LARGER
2'-0" + PIPE O.D.

NOTES:

1. REPLACED BASE MATERIAL OVER DITCH SHALL BE TWICE THE THICKNESS OF THE ORIGINAL BASE.
2. BASE MATERIAL SHALL BE IN LIFTS NOT TO EXCEED 6" AND EACH LIFT THOROUGHLY ROLLED OR TAMPED TO SPECIFIED MAXIMUM DENSITY.
3. ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED.
4. SURFACE MATERIAL WILL BE CONSISTENT WITH THE EXISTING SURFACE.
5. DENSITY TESTS SHALL BE TAKEN IN ACCORDANCE WITH THE CITY OF BURNET CONSTRUCTION SPECIFICATIONS AND STANDARDS.
6. CONTRACTOR OR ENGINEER MAY USE FLOWABLE BACKFILL AS AN ALTERNATE BACKFILL MATERIAL.



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

TRENCH AND EMBEDMENT AND PAVEMENT
REPLACEMENT DETAIL UNDER EXISTING
ROADWAY FOR STORM SEWER

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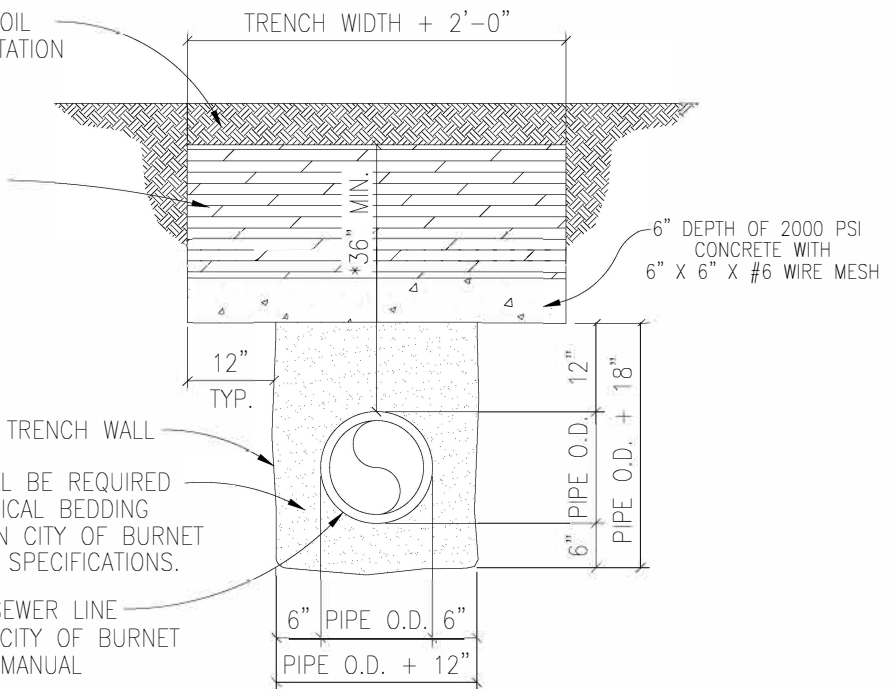
SD-21

PLACE A 6" LAYER OF TOPSOIL FOR FUTURE GROWTH OF VEGETATION

COMPACTED SELECT FILL IN ACCORDANCE WITH CITY OF BURNET SPECIFICATIONS.

UNDISTURBED TRENCH WALL
 BEDDING SHALL BE REQUIRED AS PER TYPICAL BEDDING SPECIFICATIONS IN CITY OF BURNET CONSTRUCTION SPECIFICATIONS.

STORM SEWER LINE MATERIAL PER CITY OF BURNET TCSS MANUAL



TRENCH WIDTHS

*PIPE LESS THAN 20" DIAMETER
 1'-0" + PIPE O.D.

*20" DIAMETER PIPE AND LARGER
 2'-0" + PIPE O.D.



CITY OF BURNET
 DEPARTMENT OF PUBLIC WORKS

CONCRETE TRENCH CAP
 DETAIL FOR STORM SEWER

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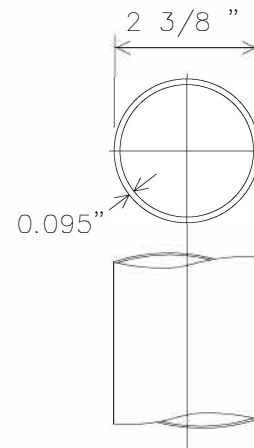
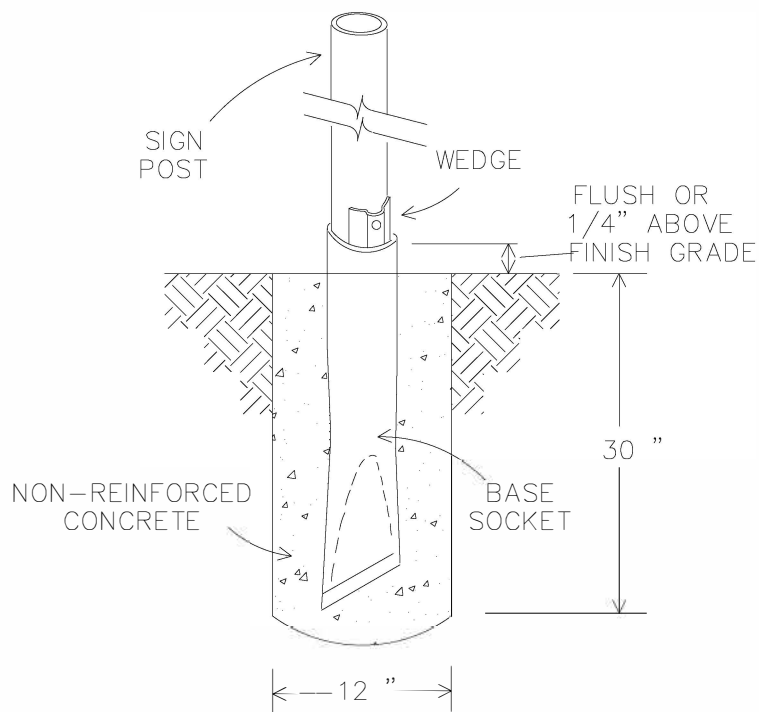
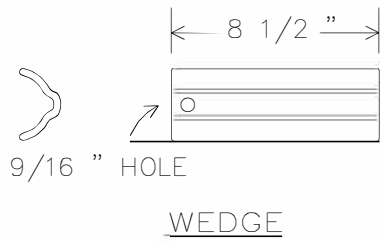
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SD-22



CITY OF BURNET
DEPARTMENT OF PUBLIC WORKS

BREAKAWAY FOUNDATION
DETAIL

APPROVED BY:
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08/2020

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DETAIL NUMBER:
SD-24