

No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
20	Water	8	ACP	3.20	N-S	South Bound on Little Tippecanoe Ave., North of E Little 3rd Street	Soil



Photo 1



Photo 2



Photo 3



Photo 4

Comments:

Technician Name Joe Martinez		Date 02-01-2023	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 21	Location South Bound on Little Tippecanoe Ave., East of Address 8148		

Surface Type: Profile View (not to scale)
 Measured Distance from Finished Surface

Thickness: (feet)

Top: (feet)

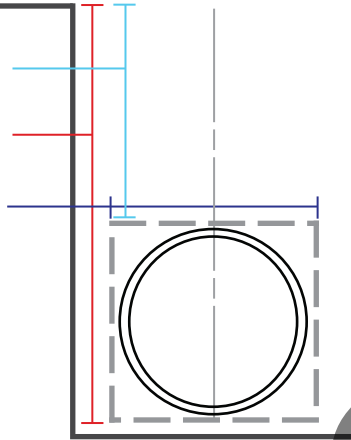
Bottom: (feet)

Size: (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.1055649, -117.2611849
 Dry Hole at 6.58 ft. deep.
 Pothole was cleared of utilities on stake location for future street light.
 Pothole was mislabeled on site. PH-20 was performed on 12-12-22.

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	5.50	NE	Corner of Fence	2	62.80	N	Water Meter	3	20.30	W	Sewer MH

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
21	Dry Hole	N/A	N/A	N/A	N/A	South Bound on Little Tippecanoe Ave., East of Address 8148	Soil



Photo 1



Photo 2



Photo 3



Photo 4

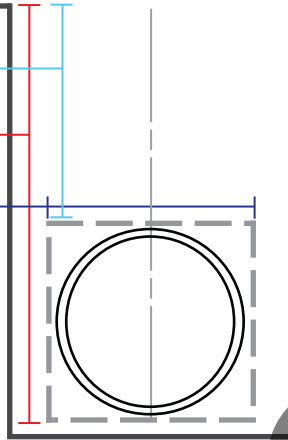
Comments:

Technician Name Abraham Padilla		Date 12-12-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 22	Location South Bound on Little Tippecanoe Ave., East of Address 8148		

Surface Type:

Thickness: (feet)

Profile View (not to scale)
Measured Distance from Finished Surface



Notes:

No USA Marks for water lateral.
Approximate Coordinates: 34.1053892, -117.2611641

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	34.00	NW	Corner Of Wall	2	39.20	N	Power Pole	3	3.70	E	Water Meter

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
22	Water	1	Copper	2.86	E-W	South Bound on Little Tippecanoe Ave., East of Address 8148	Soil



Photo 1



Photo 2



Photo 3



Photo 4

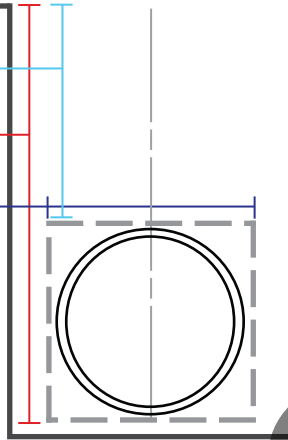
Comments:

Technician Name Abraham Padilla		Date 12-12-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 23	Location South Bound on Little Tippecanoe Ave., East of Address 8148		

Surface Type:

Thickness: (feet)

Profile View (not to scale)
Measured Distance from Finished Surface



Top: (feet)

Bottom: (feet)

Size: (in)

Utility:

Material:

Direction:

Notes:

Potholed on USA marks for gas.
Approximate Coordinates: 34.1053859, -117.2611316

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	23.00	NW	Corner Of Wall	2	42.00	NE	Power Pole	3	13.00	E	Water Meter

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
23	Gas	2	Polyethylene	3.50	N-S	South Bound on Little Tippecanoe Ave., East of Address 8148	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

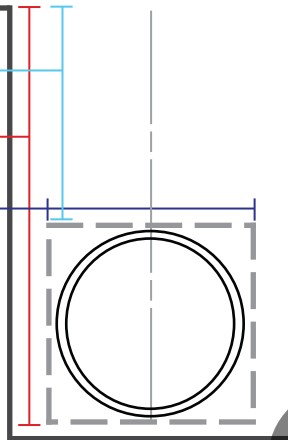
Comments:

Technician Name Abraham Padilla		Date 12-12-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 24	Location South Bound on Little Tippecanoe Ave., East of Address 8140		

Surface Type:

Thickness: (feet)

Profile View (not to scale)
Measured Distance from Finished Surface



Top: (feet)

Bottom: (feet)

Size: (in)

Utility:

Material:

Direction:

Notes:

Potholed on USA marks for communication.
Approximate Coordinates: 34.1058231, -117.2611835

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	3.80	E	Fence	2	6.80	NW	Power Pole	3	10.50	SW	Water Valve

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
24	Comm	2	Plastic	4.20	N-S	South Bound on Little Tippecanoe Ave., East of Address 8140	Soil



Photo 1



Photo 2



Photo 3



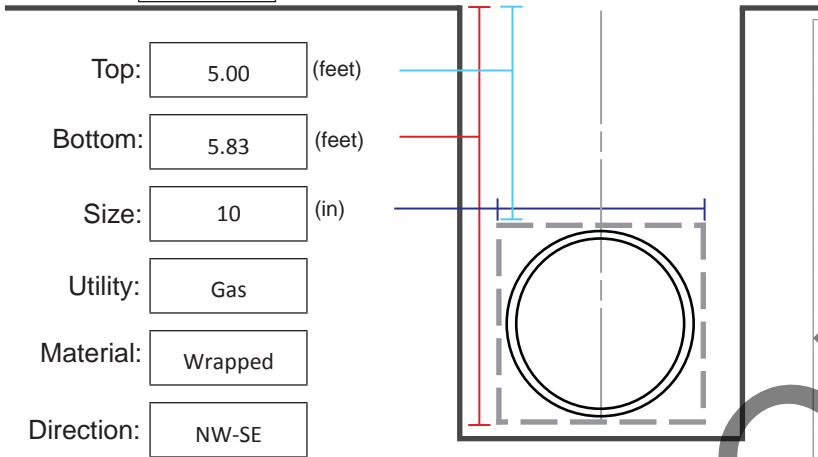
Photo 4

Comments:

Technician Name Joe Martinez		Date 12-19-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 25	Location South Bound on Tippecanoe Ave., at Little Tippecanoe Intersection		

Surface Type: Profile View (not to scale)

Thickness: (feet) Measured Distance from Finished Surface



Notes:

Approximate Coordinates: 34.1058653, -117.2610290

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	34.30	NE	Power Pole	2	25.30	NW	Street Sign	3	27.00	E	Water Valve

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
25	Gas	10	Wrapped	5.00	NW-SE	South Bound on Tippecanoe Ave., at Little Tippecanoe Intersection	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

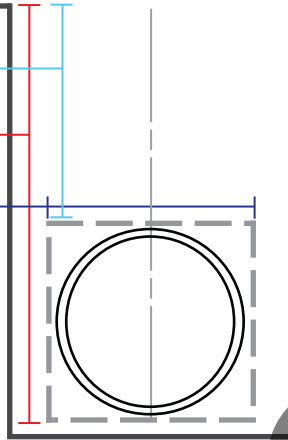
Comments:

Technician Name Joe Martinez		Date 12-14-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 26	Location West Bound on E Little 3rd Street, at Pedley Road Intersection		

Surface Type:

Thickness: (feet)

Profile View (not to scale)
Measured Distance from Finished Surface



Top: (feet)

Bottom: (feet)

Size: (in)

Utility:

Material:

Direction:

Notes:

Approximate Coordinates: 34.1046930, -117.2667763

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	6.40	NW	Sewer MH	2	31.60	NE	Sewer MH #2	3	24.70	SE	East Water Valve

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
26	Gas	2	Plastic	3.06	E-W	West Bound on E Little 3rd Street, at Pedley Road Intersection	Asphalt



Photo 1



Photo 2



Photo 3



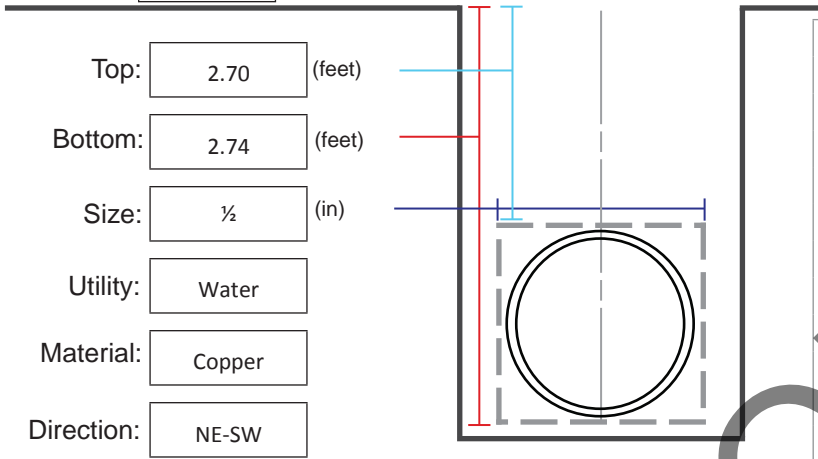
Photo 4

Comments:

Technician Name Joe Martinez		Date 12-15-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 27	Location North Bound on Pedley Road, South West of Address 8179		

Surface Type: Profile View (not to scale)

Thickness: (feet) Measured Distance from Finished Surface



Notes:

Approximate Coordinates: 34.1048043, -117.2667739

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	15.70	SW	Vent	2	11.20	E	Manhole	3	43.90	NW	Power Pole

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
27	Water	½	Copper	2.70	NE-SW	North Bound on Pedley Road, South West of Address 8179	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:

Technician Name Joe Martinez		Date 12-15-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 28	Location North Bound on Pedley Road, West of Address 8179		

Surface Type: Profile View (not to scale)
Measured Distance from Finished Surface

Thickness: (feet)

Top: (feet)

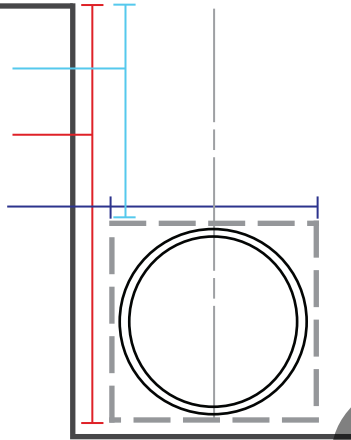
Bottom: (feet)

Size: (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.1048276, -117.2667756

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	13.60	W	Vent	2	11.50	E	Manhole	3	48.70	NW	Power Pole

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
28	Other	8	PVC	2.40	E-W	North Bound on Pedley Road, West of Address 8179	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:

Technician Name Joe Martinez		Date 12-15-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 29	Location North Bound on Pedley Road, West of Address 8179		

Surface Type: Profile View (not to scale)

Thickness: (feet) Measured Distance from Finished Surface

Top: (feet)

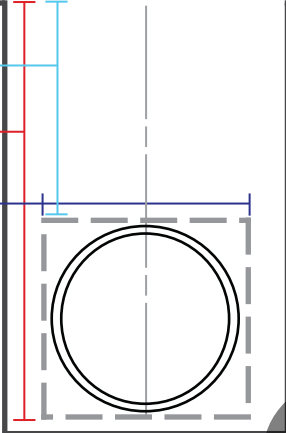
Bottom: (feet)

Size: (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.1049925, -117.2667816
 Dry Hole at 6.22 ft. Deep.
 No Gas exposed on USA markings. Located line from gas meter performed pothole 29A.

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	37.80	SW	Power Pole
2	26.80	E	Face of Curb
3	62.30	NE	Manhole

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
29	Dry Hole	N/A	N/A	N/A	N/A	North Bound on Pedley Road, West of Address 8179	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:

Technician Name Joe Martinez		Date 12-15-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 29A	Location North Bound on Pedley Road, West of Address 8179		

Surface Type: Profile View (not to scale)
 Measured Distance from Finished Surface

Thickness: (feet)

Top: (feet)

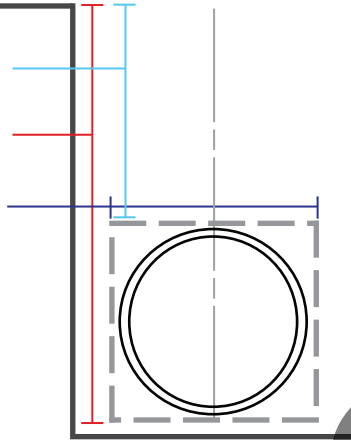
Bottom: (feet)

Size: (in)

Utility:

Material:

Direction:



Notes:

Approximate Coordinates: 34.1049728, -117.2667813

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	44.80	SW	Power Pole	2	31.40	E	Face of Curb	3	55.20	NE	Manhole

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
29A	Gas	1	Steel	2.56	E-W	North Bound on Pedley Road, West of Address 8179	Soil



Photo 1



Photo 2



Photo 3



Photo 4

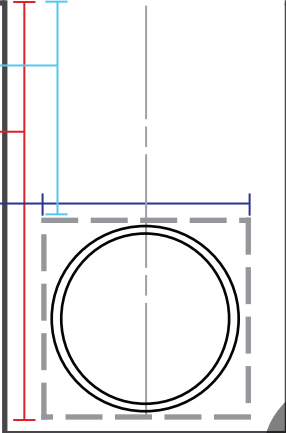
Comments:



Technician Name Joe Martinez		Date 12-15-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 30	Location South Bound on Pedley Road, East of Address 24687 Court Street		

Surface Type: Profile View (not to scale)

Thickness: (feet) Measured Distance from Finished Surface

Top: <input type="text" value="4.06"/> (feet)		<p>Notes:</p> <p>Approximate Coordinates: 34.1053698, -117.2668608 Line is under concrete gutter, depth taken in an angle.</p>
Bottom: <input type="text" value="4.72"/> (feet)		
Size: <input type="text" value="8"/> (in)		
Utility: <input type="text" value="Water"/>		
Material: <input type="text" value="ACP"/>		
Direction: <input type="text" value="N-S"/>		

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	0.30	E	Face of Curb	2	35.70	W	Face of Curb	3	89.20	NW	Water Meter

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
30	Water	8	ACP	4.06	N-S	South Bound on Pedley Road, East of Address 24687 Court Street	Asphalt



Photo 1



Photo 2



Photo 3



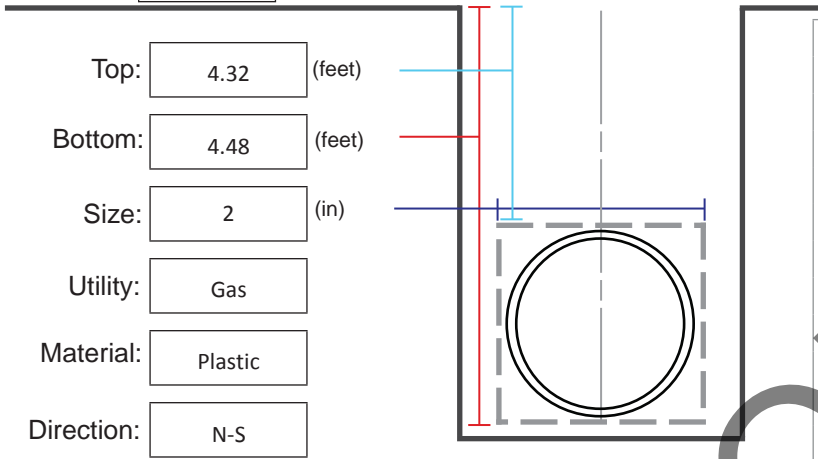
Photo 4

Comments:

Technician Name Joe Martinez		Date 12-15-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 31	Location South Bound on Pedley Road, East of Address 24687 Court Street		

Surface Type: Profile View (not to scale)

Thickness: (feet) Measured Distance from Finished Surface



Notes:

Approximate Coordinates: 34.1053770, -117.2668323

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	9.30	E	Face of Curb	2	26.50	W	Face of Curb	3	85.30	NW	Water Meter

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
31	Gas	2	Plastic	4.32	N-S	South Bound on Pedley Road, East of Address 24687 Court Street	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

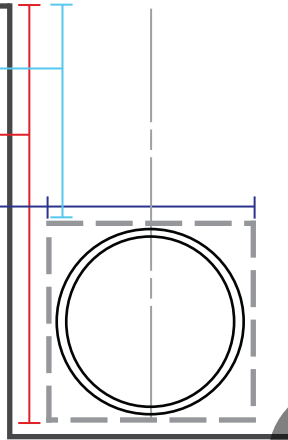
Comments:

Technician Name Joe Martinez		Date 12-15-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 32	Location South Bound on Pedley Road, East of Address 24687 Court Street		

Surface Type:

Thickness: (feet)

Profile View (not to scale)
Measured Distance from Finished Surface



Top: (feet)

Bottom: (feet)

Size: (in)

Utility:

Material:

Direction:

Notes:

Approximate Coordinates: 34.1053667, -117.2668141

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	17.60	E	Face of Curb	2	18.10	W	Face of Curb	3	78.70	NW	Water Meter

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
32	Water	78	Concrete	8.60	N-S	South Bound on Pedley Road, East of Address 24687 Court Street	Asphalt



Photo 1



Photo 2



Photo 3



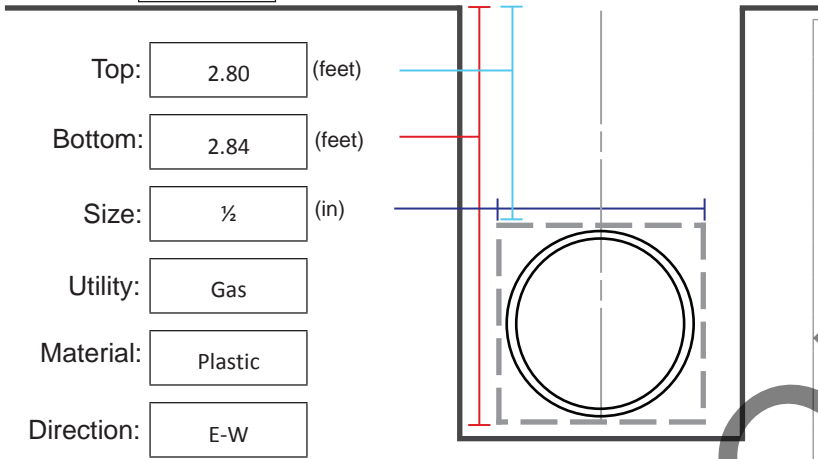
Photo 4

Comments:

Technician Name Joe Martinez		Date 12-15-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 33	Location North Bound on Pedley Road, West of Address 24701 Court Street		

Surface Type: Profile View (not to scale)

Thickness: (feet) Measured Distance from Finished Surface



Notes:

Approximate Coordinates: 34.1051568, -117.2667706

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	12.10	NW	Water Meter	2	26.60	NW	Power Pole	3	26.70	E	Face of Curb

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
33	Gas	½	Plastic	2.80	E-W	North Bound on Pedley Road, West of Address 24701 Court Street	Asphalt



Photo 1



Photo 2



Photo 3



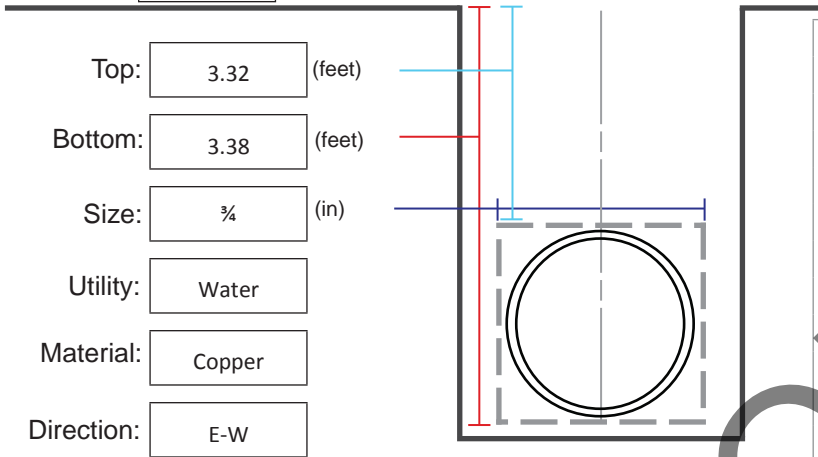
Photo 4

Comments:

Technician Name Joe Martinez		Date 12-15-2022	C Below Project No. 21-4320
Project Name PSR#D024 Potholing Investigation		Project Address Little Third St. & Little Tippecanoe Ave., East Valley, CA 92410	
Client Company KOA Corporation IE		Contact Alvin Abad	
Pothole No. 33A	Location North Bound on Pedley Road, West of Address 24701 Court Street		

Surface Type: Profile View (not to scale)

Thickness: (feet) Measured Distance from Finished Surface



Notes:

Approximate Coordinates: 34.1051466, -117.2667712

PHYSICAL SWING TIE INFORMATION

No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture	No.	Distance (ft)	Dir.	From Permanent Existing Fixture
1	10.50	W	Water Meter	2	21.90	NW	Power Pole	3	26.70	E	Face of Curb

LOCATION DETAIL



No.	Utility	Size (in)	Material	Top Depth (ft)	Direction	Location	Surface
33A	Water	¾	Copper	3.32	E-W	North Bound on Pedley Road, West of Address 24701 Court Street	Asphalt



Photo 1



Photo 2



Photo 3



Photo 4

Comments:

***Standard and Special Drawings
(Green Pages)***

NOT FOR BID

LIST OF STANDARD AND SPECIAL DRAWINGS (GREEN PAGES)

NOTICE TO RESIDENTS (ENGLISH/SPANISH)

THE FOLLOWING SPECIAL DRAWINGS AND COUNTY STANDARDS ARE ATTACHED TO THE SPECIAL PROVISIONS:

109 MODIFIED, 115, 116, 117, 119, 127, 128 (MODIFIED), 203A, 206, 206 A, 303, 303A, 303B, 310, 312, 403

TO BE SUPPLEMENTED BY THE FOLLOWING CALTRANS STANDARD PLANS DATED 2023:

A20A, A20B, A20D, A24A, A24C, A24D, A24E, A24F, A85, A85A, A87A, A88A, D75B, T9, T10, T13

TO BE SUPPLEMENTED BY THE FOLLOWING 2021 SPPWC:

111—5, DETAIL D (MODIFIED), 151-3, 308-3, 333—2, 340-2 (MODIFIED), 380-4

TO BE SUPPLEMENTED BY THE FOLLOWING 2014 CA MUTCD—REVISION 6

FIGURE 2A-2(CA), FIGURE 3B-101(CA), FIGURE 6H-28, FIGURE 6H-29, FIGURE 9C-3, FIGURE 9C-102(CA), SECTION 6D.01, SECTION 6D.02

NOT FOR BIDD



NOTICE TO THE RESIDENTS OF LITTLE THIRD AND LITTLE TIPPECANOE

San Bernardino County Department of Public Works has contracted with (Company name) for the (type of work) of (name of road) in the (city) area. The construction shall include (detailed description of work).

This work will be performed between the dates of (start date) and (end date).

Normal working hours will be between the hours of _____ A.M. and _____ P.M. Monday through Friday.

There will be "No Parking Signs" posted on your street indicating the specific dates work will be performed on the street. During the time we are working, access to the public will be limited and we ask the following:

1. Do not park your vehicles on the roadway
2. Do not allow water to run on the roadway
3. Do not allow children to play in the roadway
4. Do not place trash cans or other debris on the roadway

We regret any inconvenience that this work may cause you and we thank you for your cooperation in assisting us in rebuilding your street.

Thank you.

(Company name)

(Company contact name)

(Company phone number)

If you need further assistance, contact the Department of Public Works at (909) 387-7920.



NOTIFICACIÓN A LOS RESIDENTES DE LITTLE THIRD AND LITTLE TIPPECANOE

San Bernardino County Department of Public Works, a contratado con (Company name) para (type of work) la calle llamada (name of road) en la ciudad de (city). La construcción va a incluir (detailed description of work).

Este trabajo será hecho entre la fecha de (start date) y (end date). Las horas elegidas para hacer este trabajo serán entre las _____ de la mañana y _____ de la tarde de lunes a viernes.

Habrán letreros indicando que “No Habrá Estacionamiento” en la calle y especificando el horario cuando el trabajo será hecho. Durante el tiempo que estaremos trabajando en la calle, la entrada para el público será limitada y por esta razón pedimos lo siguiente:

1. No estacionen sus vehículos en la calle.
2. No permita que corra el agua hacia la calle.
3. No permita que los niños jueguen en la calle.
4. No ponga los botes de basura o cualquier otra basura en la calle.

Lamentamos la inconveniencia que causara este trabajo y les agradecemos por su cooperación y asistencia en el mejoramiento de su calle.

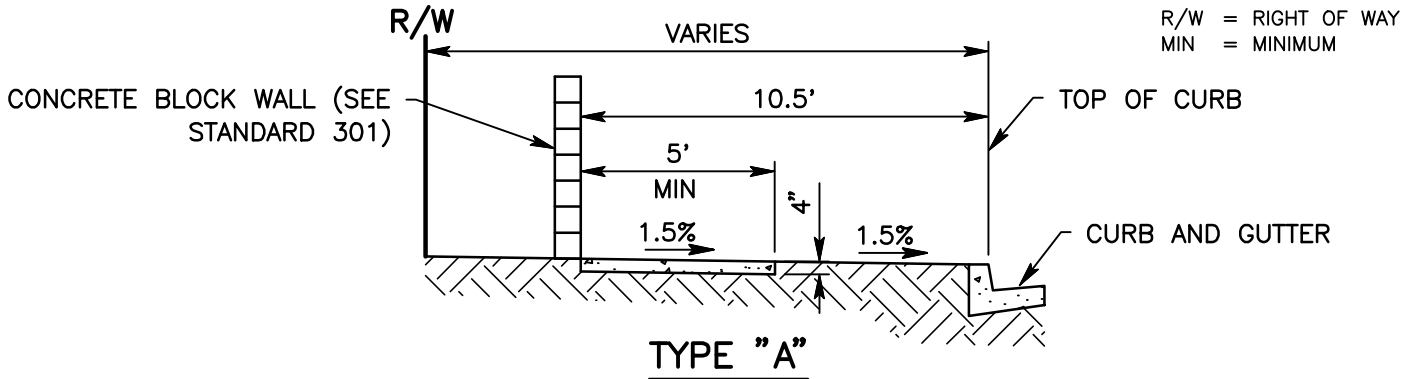
Muchas Gracias.

(Company name)

(Company contact name)

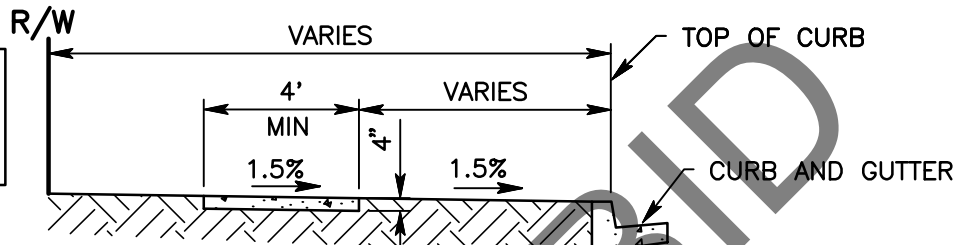
(Company phone number)

Si necesita asistencia favor de hablar al Public Works, (909) 387-7920.

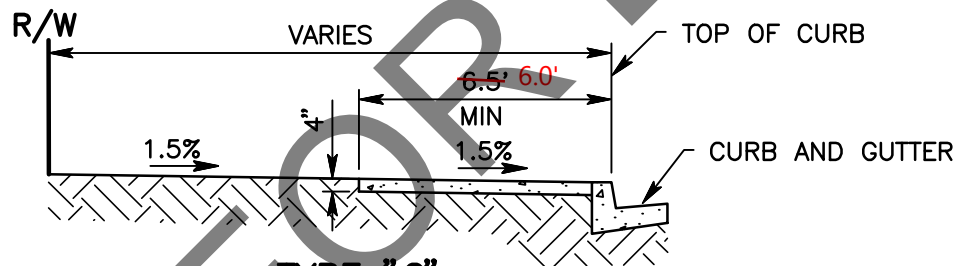


TYPE "A"

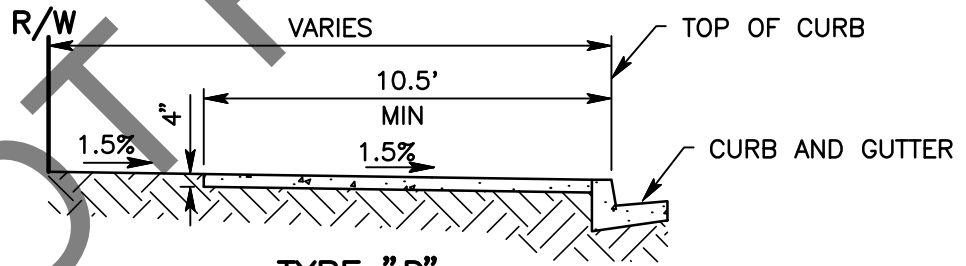
FOR 4' SIDEWALK, PLACE 5'x5' PAD FOR PASSING AT EVERY 200' DISTANCE MAXIMUM.



TYPE "B"



TYPE "C"



TYPE "D"

NOTES:

1. TYPE "C" SIDEWALKS ADJACENT TO CURB SHALL ONLY BE USED ON LOCAL AND COLLECTOR STREETS AND ONLY UPON APPROVAL OF THE TRANSPORTATION DEPARTMENT.
2. SIDEWALK SHALL BE CONSTRUCTED OF 4" THICK MINOR CONCRETE.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED ON TEN FEET (10') SPACING.
4. SCORING SIDEWALK WILL BE PERMITTED.
5. IN EXPANSIVE SOIL AREAS, REFER TO SECTION 73 OF THE CALTRANS STANDARD SPECIFICATIONS.



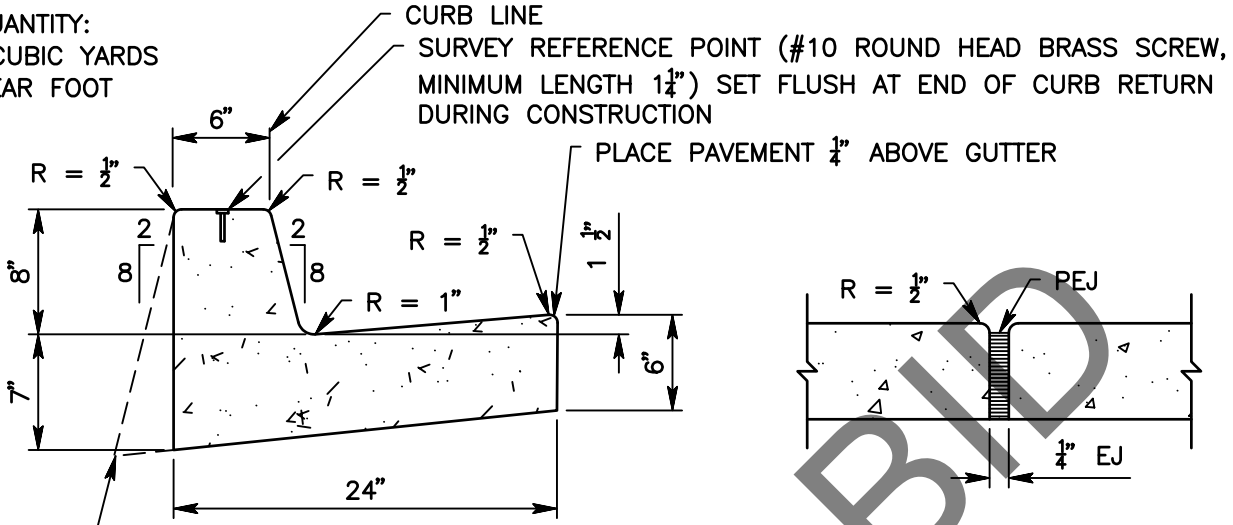
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

SIDEWALK

BRENDON P. BIGGS, PE
DIRECTOR OF PUBLIC
WORKS/ROAD
COMMISSIONER

R = RADIUS
 EJ = EXPANSION JOINT
 WPJ = WEAKENED PLANE JOINT
 PEJ = PREFORMED EXPANSION JOINT FILLER ASTM D 1751

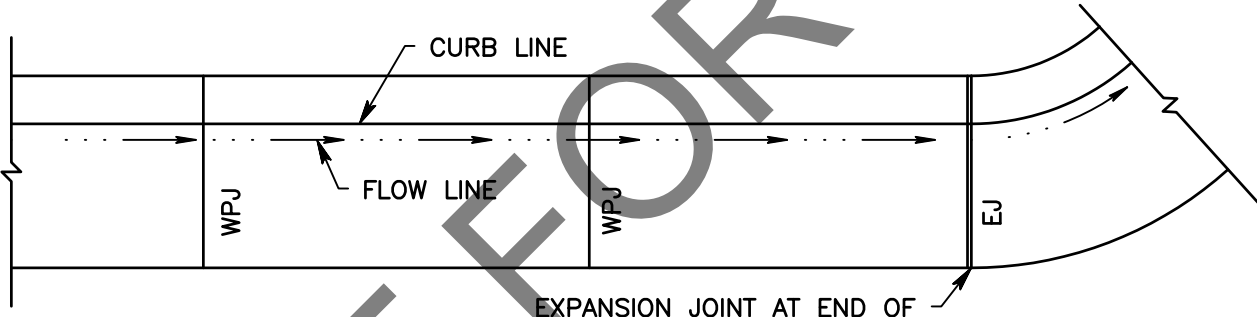
CURB QUANTITY:
 0.0535 CUBIC YARDS
 PER LINEAR FOOT



PERMITTED ALTERNATE

SECTION

EXPANSION JOINT



PLAN

EXPANSION JOINT AT END OF RETURN AND STRUCTURES

NOTES:

1. CURB AND GUTTER SHALL BE CONSTRUCTED MONOLITHICALLY OF MINOR CONCRETE.
2. WIDTHS OF STANDARD STREET SECTIONS SHOWN ON PLANS ARE TO CURB LINE UNLESS OTHERWISE INDICATED.
3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT TEN FOOT (10') INTERVALS, EXCEPT THAT THE INTERVAL SHALL BE VARIED TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS.
4. CURING COMPOUND SHALL BE SPRAYED UNIFORMLY ON EXPOSED SURFACES.
5. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE, MINOR FINISHING MAY BE DONE TO PROVIDE AN ACCEPTABLE FINISH AND THE WEAKENED PLANE JOINTS MAY BE SAWCUT.
6. PEJ FILLER SHALL BE APPLIED IN THE WHOLE CROSS SECTION OF THE CURB AND GUTTER.
7. WHEN IN FRONT OF A CURB RAMP, USE GUTTER PAN TRANSITION ON THE CURRENT CALTRANS STANDARD PLAN A88A.



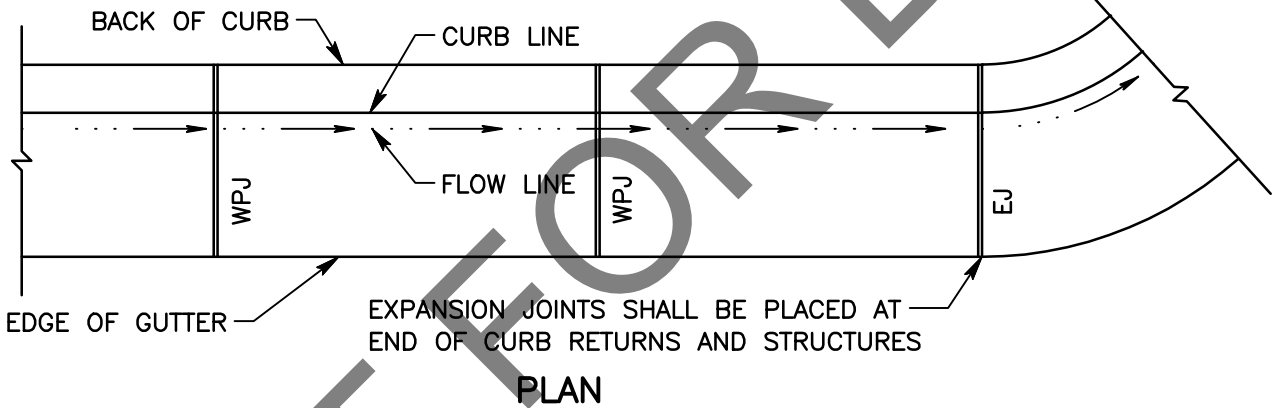
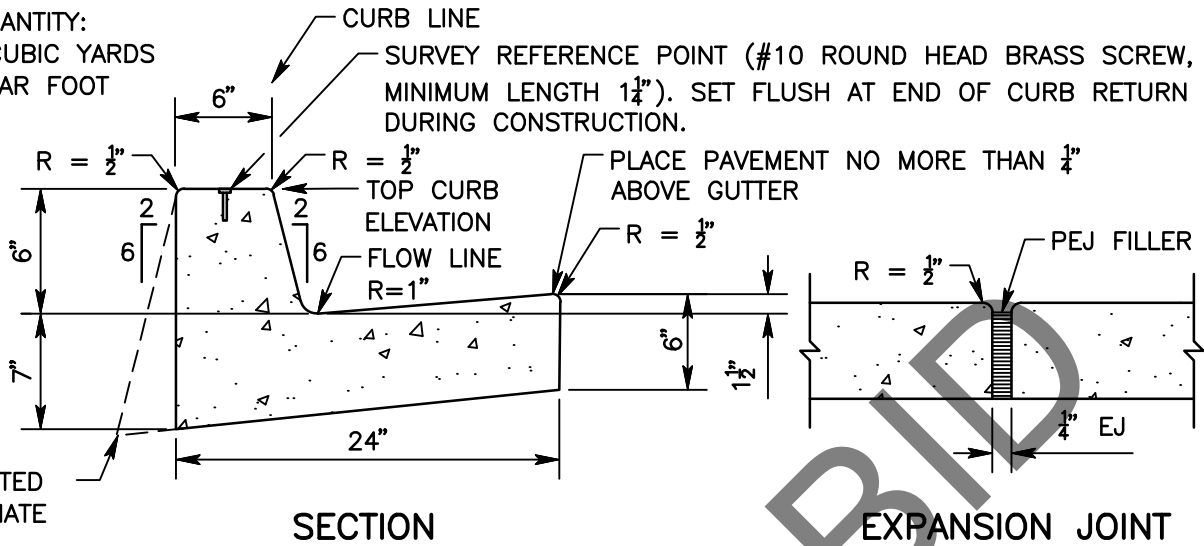
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

8" CURB AND GUTTER

BRENDON P. BIGGS, PE
 DIRECTOR OF PUBLIC WORKS/ROAD COMMISSIONER

R = RADIUS
 EJ = EXPANSION JOINT FILLER
 WPJ = WEAKENED PLANE JOINT
 PEJ = PREFORMED EXPANSION JOINT FILLER PER ASTM D 1751

CURB QUANTITY:
 0.0495 CUBIC YARDS
 PER LINEAR FOOT



NOTES:

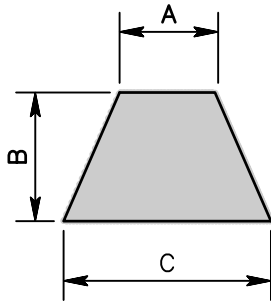
1. CURB AND GUTTER SHALL BE CONSTRUCTED MONOLITHICALLY OF MINOR CONCRETE.
2. WIDTHS OF STANDARD STREET SECTIONS SHOWN ON PLANS ARE TO CURB LINE UNLESS OTHERWISE INDICATED.
3. WEAKENED PLANE JOINTS ($\frac{3}{16} \times 1\frac{1}{2}$ " DEEP) SHALL BE CONSTRUCTED AT TEN FOOT (10') INTERVALS, EXCEPT THAT THE INTERVAL SHALL BE VARIED TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS.
4. CURING COMPOUND SHALL BE SPRAYED UNIFORMLY ON EXPOSED SURFACES.
5. WHEN CURB AND GUTTER IS PLACED BY AN EXTRUSION MACHINE, MINOR FINISHING MAY BE DONE TO PROVIDE AN ACCEPTABLE FINISH AND THE WEAKENED PLANE JOINTS MAY BE SAWCUT.
6. PEJ FILLER SHALL BE APPLIED IN THE WHOLE CROSS SECTION OF THE CURB AND GUTTER.
7. WHEN IN FRONT OF A CURB RAMP, USE GUTTER PAN TRANSITION ON THE CURRENT CALTRANS STANDARD PLAN A88A.



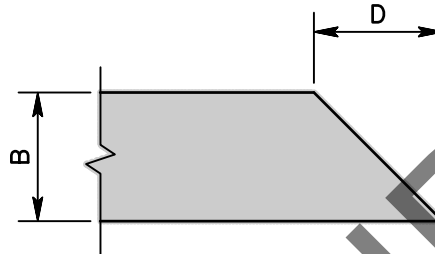
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

6" CURB AND GUTTER

BRENDON P. BIGGS, PE
 DIRECTOR OF PUBLIC
 WORKS/ROAD
 COMMISSIONER



SECTION



END CUT OFF

	A	B	C	D
6" ASPHALT DIKE	0.5'	0.5'	1.08'	0.5'
8" ASPHALT DIKE	0.5'	0.67'	1.08'	0.67'

NOTES:

1. DIKE SHALL BE CONSTRUCTED OF TYPE A ASPHALT CONCRETE.
2. PAINT BINDER SHALL BE PLACED ON EXISTING ASPHALT CONCRETE PAVEMENT PRIOR TO THE INSTALLATION OF THE DIKE.

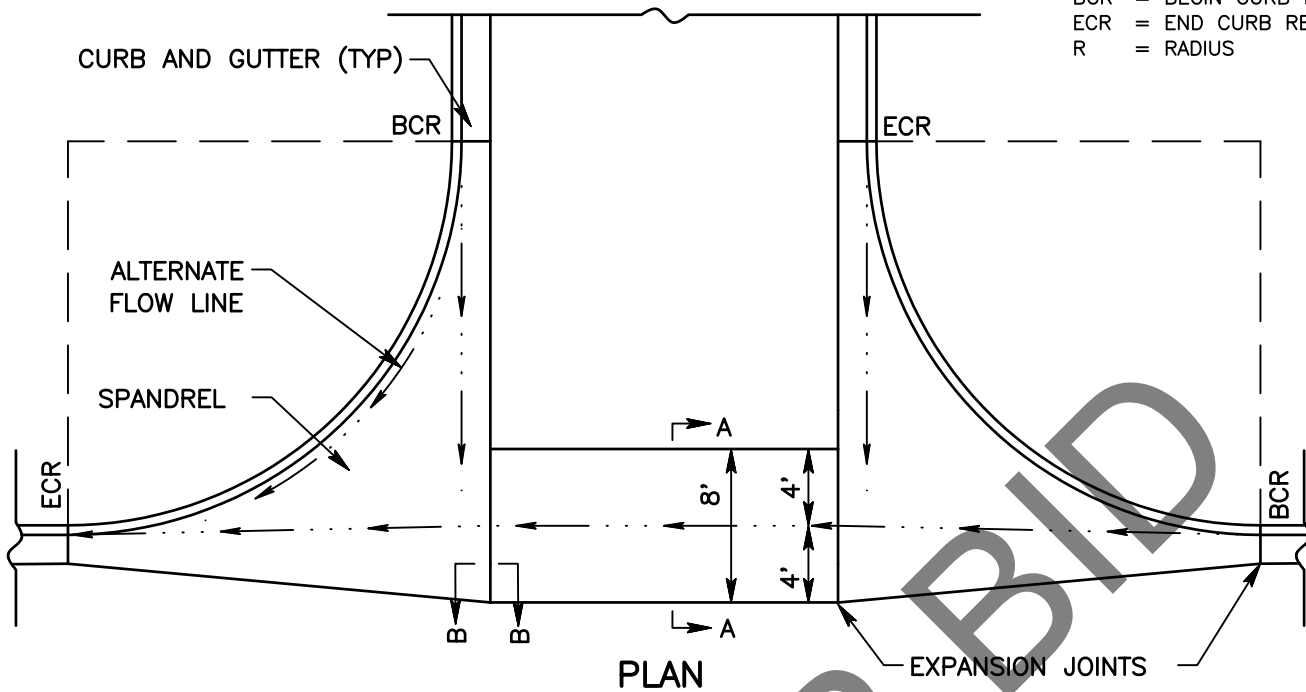


SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

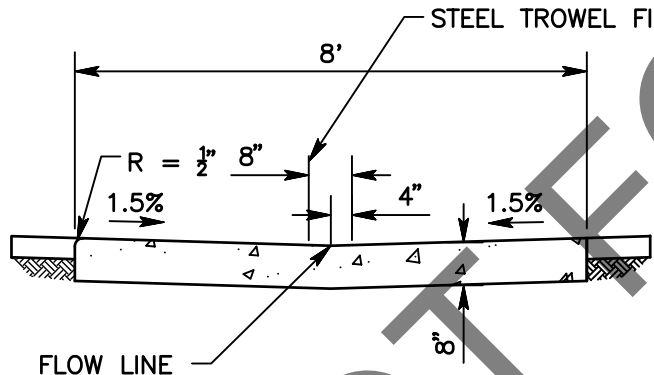
ASPHALT CONCRETE DIKE

BRENDON P. BIGGS, PE
DIRECTOR OF PUBLIC
WORKS/ROAD
COMMISSIONER

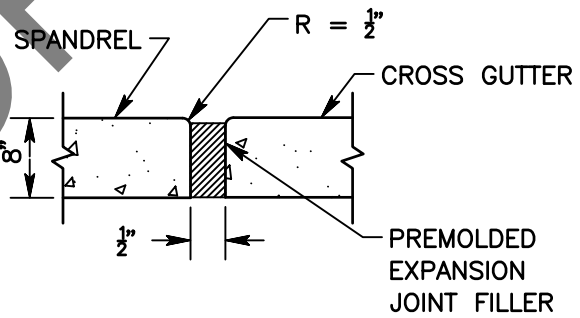
BCR = BEGIN CURB RETURN
 ECR = END CURB RETURN
 R = RADIUS



PLAN



SECTION A-A



SECTION B-B

NOTES:

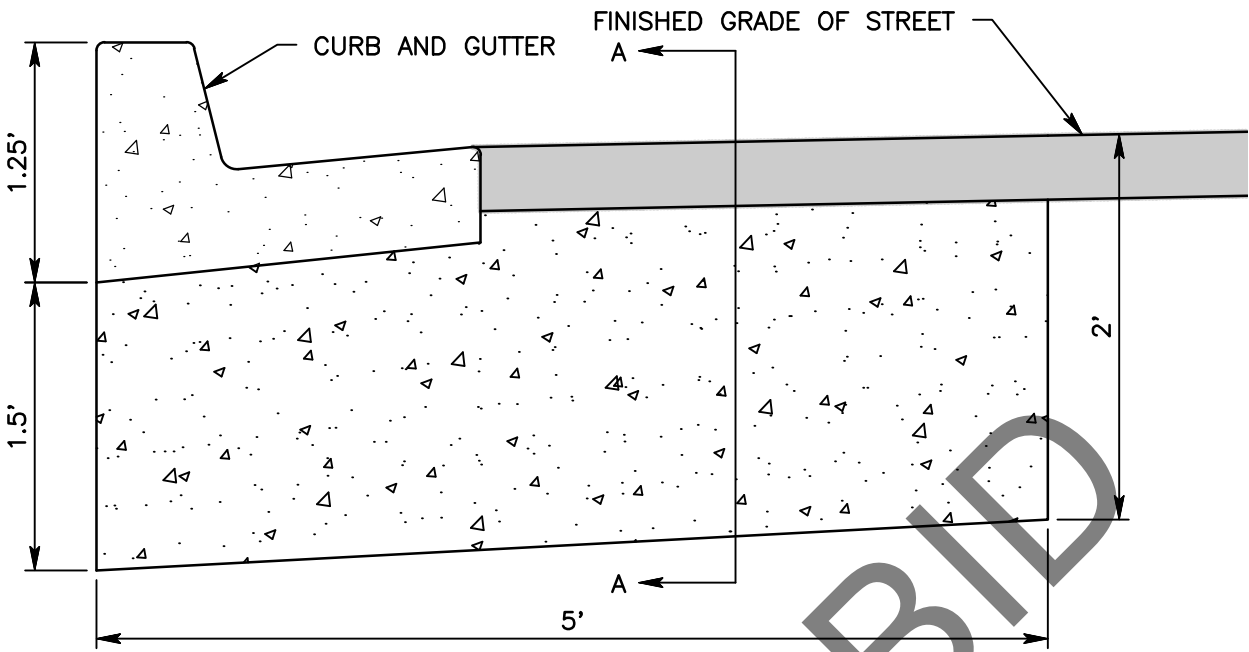
1. CROSS GUTTER SHALL BE CONSTRUCTED OF MINOR CONCRETE.
2. THE STRAIGHT GRADE BETWEEN BCR'S MAY BE ALTERED ON AN EXCESSIVE GRADE.
3. A 0.3' MINIMUM FALL IS REQUIRED BETWEEN BCR AND ECR, AND CROSS GUTTER FLOW LINE.
4. SPANDREL SHALL BE 8" THICKNESS MINOR CONCRETE.
5. VARIABLE CURB FACE ALLOWED FOR DRAINAGE PURPOSES



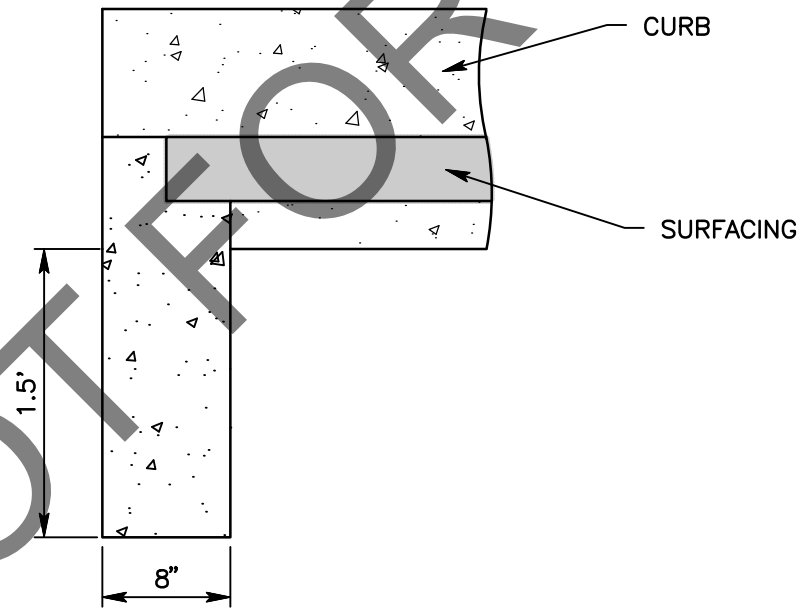
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

CROSS GUTTER

BRENDON P. BIGGS, PE
 DIRECTOR OF PUBLIC
 WORKS/ROAD
 COMMISSIONER



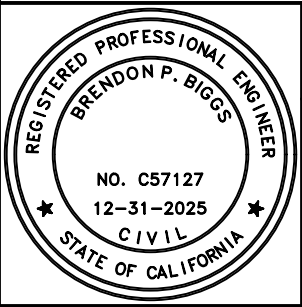
ELEVATION



SECTION A-A

NOTES:

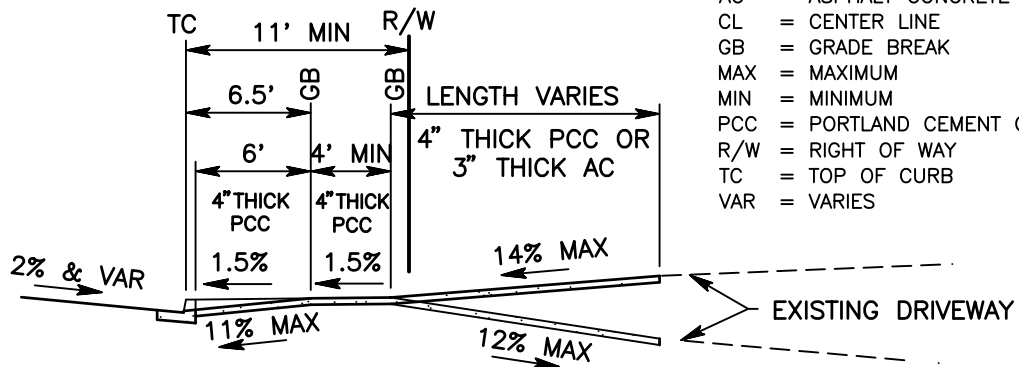
1. CUT OFF WALL SHALL BE CONSTRUCTED OF MINOR CONCRETE.
2. CUT OFF WALL SHALL BE INSTALLED WHERE REQUIRED BY DRAINAGE CONDITIONS.



SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

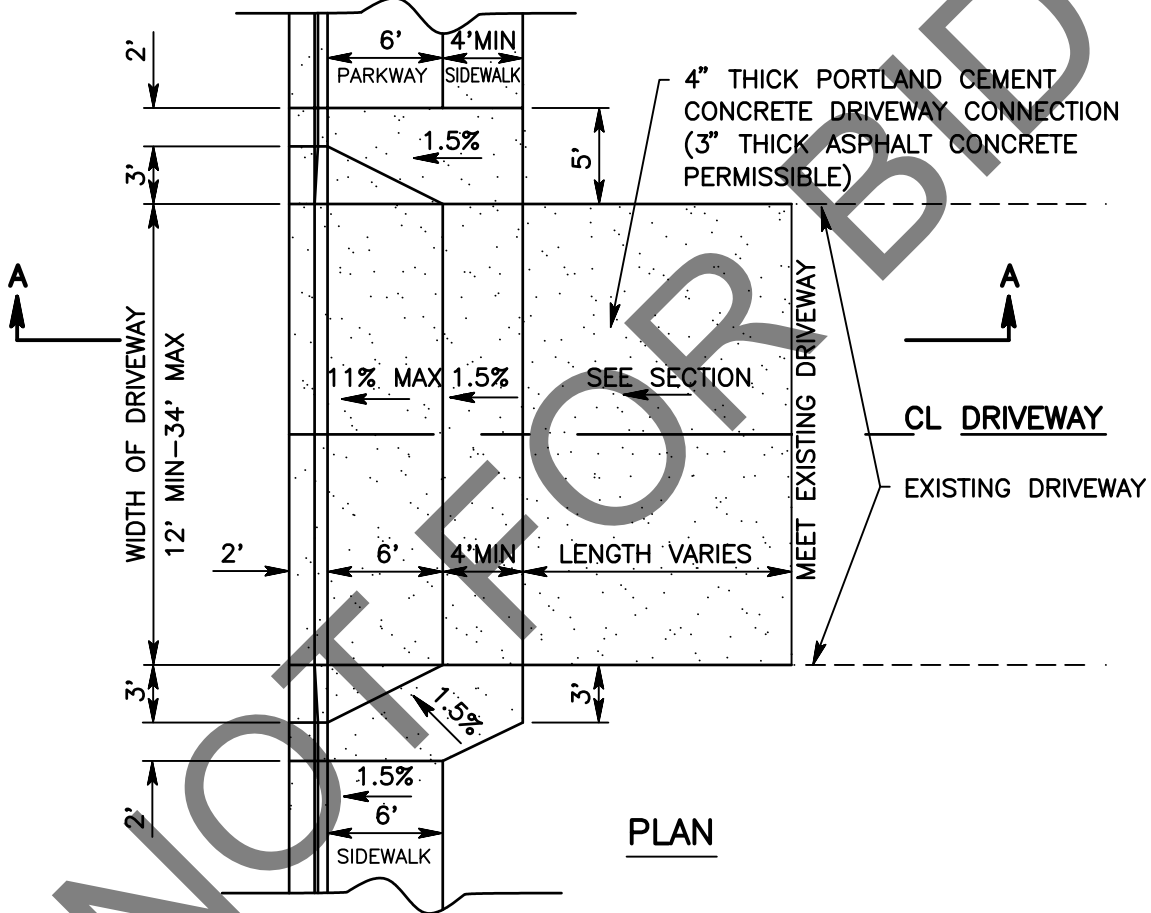
CURB CUT OFF WALL

BRENDON P. BIGGS, PE
DIRECTOR OF PUBLIC
WORKS/ROAD
COMMISSIONER



AC = ASPHALT CONCRETE
 CL = CENTER LINE
 GB = GRADE BREAK
 MAX = MAXIMUM
 MIN = MINIMUM
 PCC = PORTLAND CEMENT CONCRETE
 R/W = RIGHT OF WAY
 TC = TOP OF CURB
 VAR = VARIES

SECTION A-A



NOTES:

1. FOR APPLICABLE NOTES AND DRIVEWAY REQUIREMENTS SEE STANDARD 130.
2. TO CONSTRUCT A DEPRESSION IN EXISTING CURB AND GUTTER:
 - A) SAWCUT AND REMOVE FOR THE NECESSARY WIDTH.
 - B) REMOVE AND RECONSTRUCT TO THE NEAREST JOINT.
3. A DRIVEWAY APPROACH MUST BE CONSTRUCTED WITH EACH CURB DEPRESSION.
4. SURFACING SHALL BE PORTLAND CEMENT CONCRETE (MINOR CONCRETE) 4" THICK AND HAVE A BROOM FINISH.

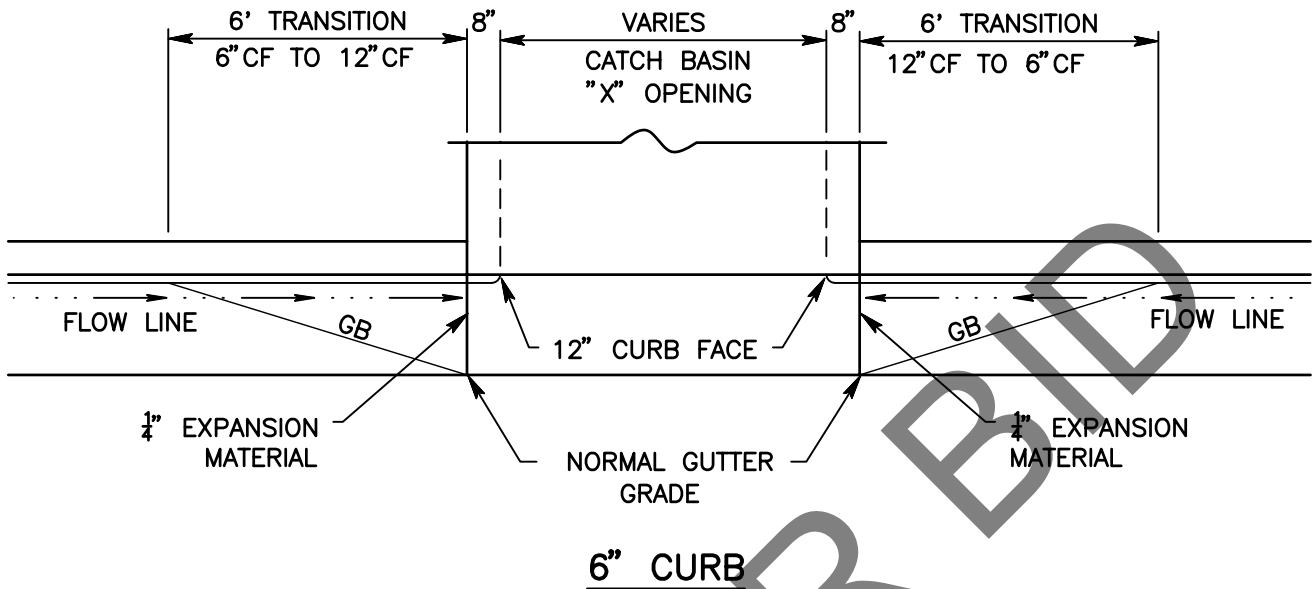


SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

RESIDENTIAL DRIVEWAY APPROACH WITH CURB

BRENDON P. BIGGS, PE
 DIRECTOR OF PUBLIC WORKS/ROAD COMMISSIONER

CF = CURB FACE
 GB = GRADE BREAK



NOTES:

1. LOCAL DEPRESSION SHALL BE CONSTRUCTED OF MINOR CONCRETE 6" THICK.
2. CURB AND GUTTER SHALL BE CONSTRUCTED PRIOR TO CONSTRUCTING TOP OF CATCH BASIN AND CURB TRANSITIONS.

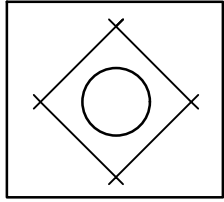


SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

LOCAL DEPRESSION
 6" CURB

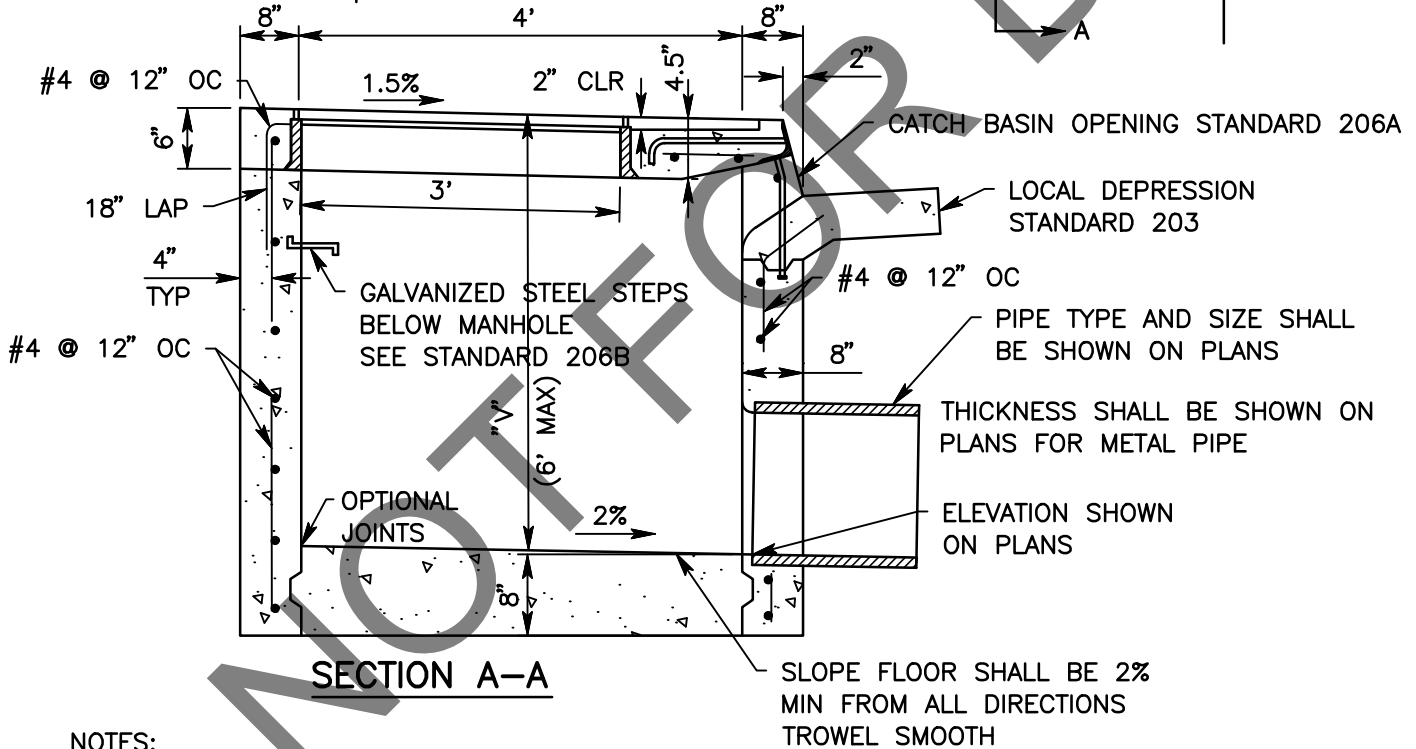
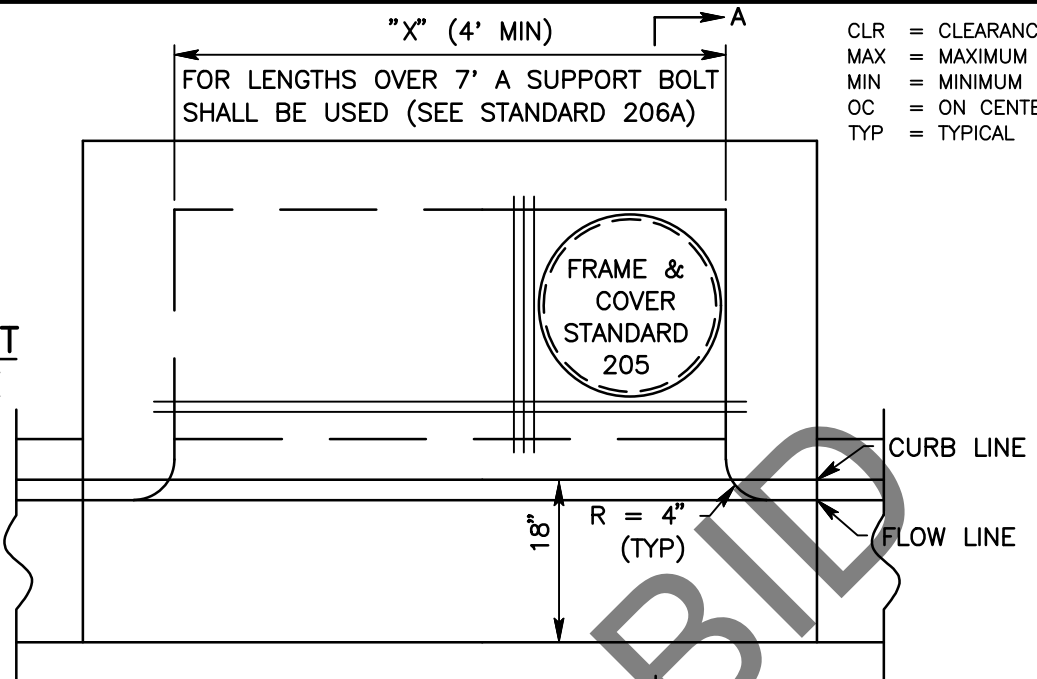
BRENDON P. BIGGS, PE
 DIRECTOR OF PUBLIC
 WORKS/ROAD
 COMMISSIONER

203A



**DETAIL OF
REINFORCEMENT
AROUND PIPE**

CLR = CLEARANCE
MAX = MAXIMUM
MIN = MINIMUM
OC = ON CENTER
TYP = TYPICAL



SECTION A-A

NOTES:

1. ALL REINFORCEMENTS SHALL BE #4 BARS AT 12" OC BOTH WAYS IN TOP SLAB AND WALLS.
2. CATCH BASIN SHALL BE CONSTRUCTED OF MINOR CONCRETE (MINOR STRUCTURE).
3. CURB AND GUTTER ADJOINING CATCH BASIN SHALL BE CONSTRUCTED PRIOR TO CONSTRUCTING TOP OF CATCH BASIN.

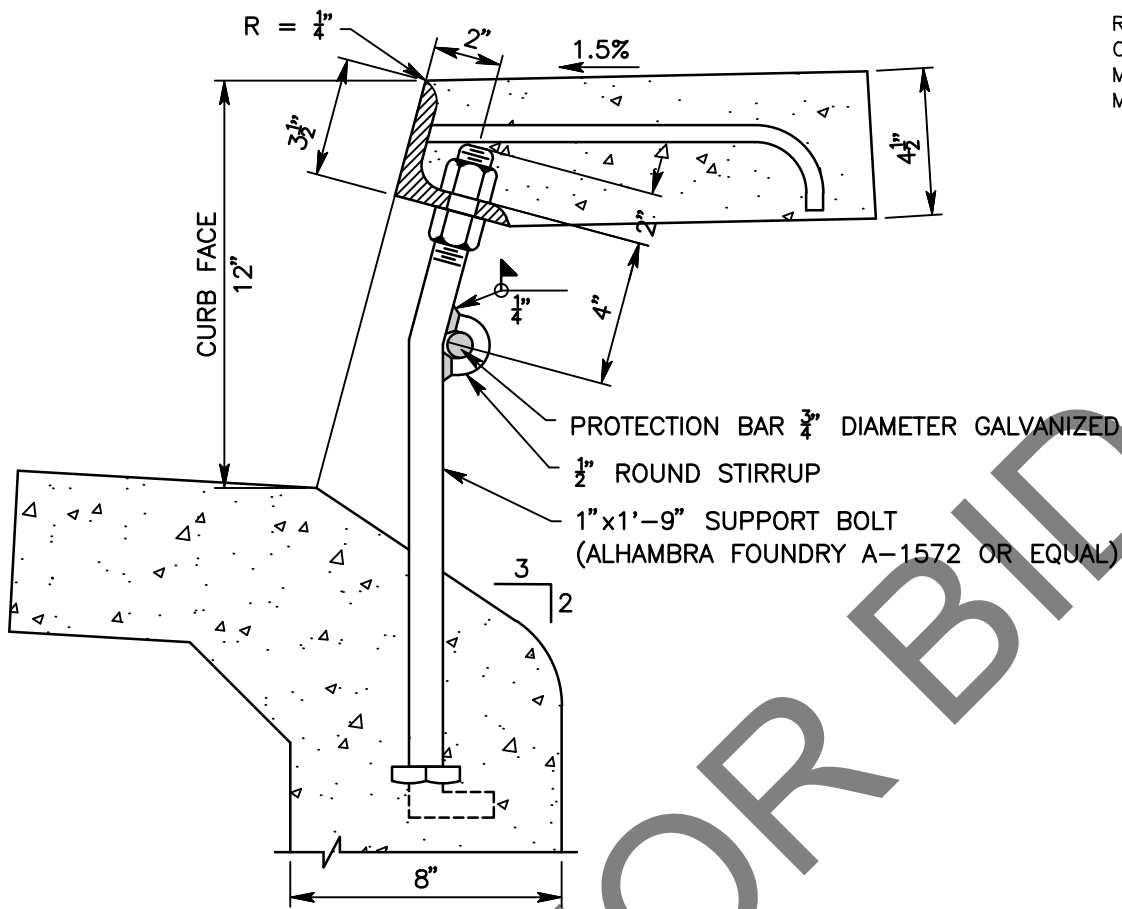


SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

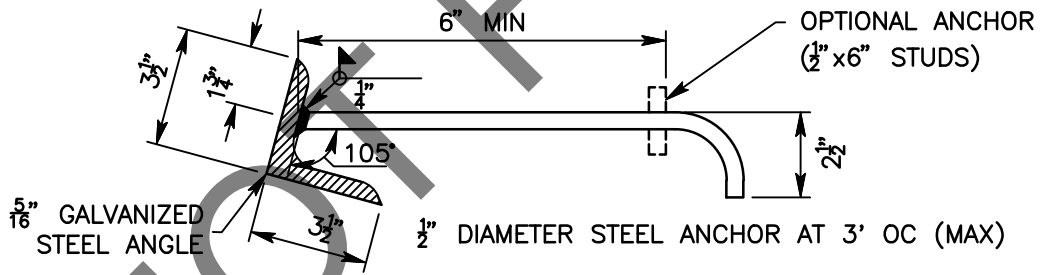
TYPE "A" CATCH BASIN

BRENDON P. BIGGS, PE
DIRECTOR OF PUBLIC
WORKS/ROAD
COMMISSIONER

R = RADIUS
 OC = ON CENTER
 MAX = MAXIMUM
 MIN = MINIMUM



STEEL ANGLE AND SUPPORT BOLT DETAIL



STEEL ANGLE ANCHOR

NOTES:

1. A PLAIN ROUND GALVANIZED STEEL PROTECTION BAR $\frac{3}{4}$ " IN DIAMETER SHALL BE INSTALLED AND EMBEDDED 6" AT EACH END.
2. ALL EXPOSED METAL PARTS SHALL BE GALVANIZED. (EXCEPT FRAME AND COVER).
3. SUPPORT BOLTS SHALL BE UNIFORMLY SPACED BUT NOT TO EXCEED 7' ON CENTER.
4. STEEL ANGLE SHALL BE BENT TO MATCH CURB ALIGNMENT.
5. THE LENGTH OF THE ANGLE BAR SHALL BE THE OPENING WIDTH PLUS 12 INCHES.



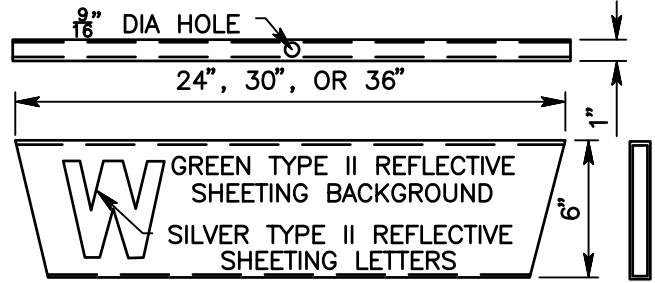
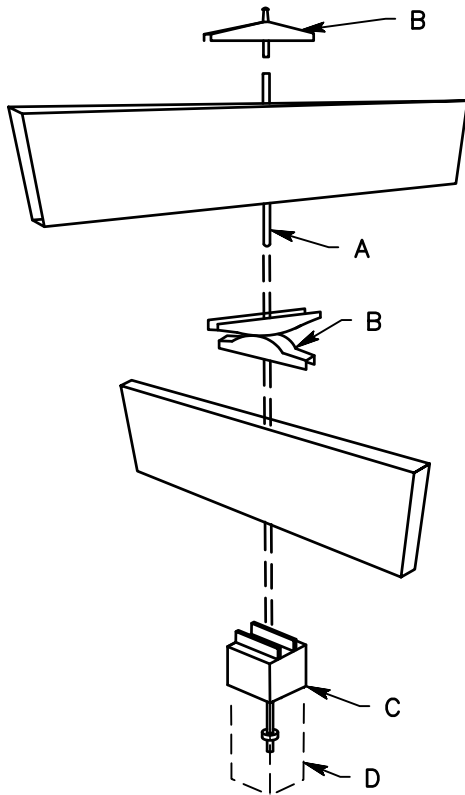
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

CATCH BASIN OPENING

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 WORKS/ROAD
 COMMISSIONER

206A

DIA = DIAMETER
 FHWA = FEDERAL HIGHWAY
 ADMINISTRATION



ASSEMBLY

- A $\frac{5}{8}$ " x 15" CADMIUM PLATED CARRIAGE BOLT.
- B ORNAMENTAL TOP SHALL BE 14 GAGE ANODIZED ALUMINUM. CENTER CROSS SADDLE SHALL BE ONE PIECE CAST ANODIZED ALUMINUM.
- C ONE PIECE 2" CAST ANODIZED ALUMINUM POST CAP WITH FOUR $\frac{3}{8}$ " STAINLESS STEEL ALLEN HEAD SET SCREWS.
- D 2" SQUARE STEEL POST 8'-12' LONG INSTALLED WITH A DRIVEN 2 $\frac{1}{2}$ " SQUARE STEEL BREAKAWAY BASE 3' LONG AS PER STANDARD 303B.

DESIGN: EACH FOUR-WAY UNTIL SHALL CONSIST OF TWO DOUBLE FACE SIGNS WITH STREET NAMES MOUNTED AT RIGHT ANGLES WITH CENTER ROD ASSEMBLY.

BRACKET ASSEMBLY: THE POST CAP, ORNAMENT, AND CENTER ROD ASSEMBLY SHALL BE MADE TO MOUNT ON 2" SQUARE GALVANIZED POST. THE CENTER ROD SHALL BE A $\frac{5}{8}$ " CADMIUM PLATED CARRIAGE BOLT. HEAD OF BOLT SHALL FORM TOP OF ORNAMENT. BOLT SHALL EXTEND THROUGH SIGNS AND FASTEN WITH NUT INSIDE OF POST CAP. POST CAP SHALL BE DEEPLY GROOVED TO SECURELY HOLD SIGN FROM TWISTING AND SHALL BE SECURED TO THE PIPE WITH THREE $\frac{3}{8}$ " STAINLESS STEEL ALLEN HEAD SET SCREWS.

MATERIAL: SIGN SHALL BE GREEN ANODIZED ALUMINUM EXTRUSION OF 6063T - 4 ALLOY MATERIAL. ALL ANODIZING SHALL CONFORM WITH ALUMILITE SPECIFICATIONS #215 - R1.

FINISH: SIGN FACES SHALL BE FHWA TYPE II REFLECTIVE SHEETING. THE TRANSPARENT SCREEN PROCESS COLOR SHALL BE AS RECOMMENDED BY THE REFLECTIVE SHEETING MANUFACTURER. APPLICATION OF THE REFLECTIVE SHEETING TO THE SIGN SHALL BE BY METHODS AS APPROVED BY THE REFLECTIVE SHEETING MANUFACTURER.

LETTERING: STREET NAMES SHALL BE 4" HIGH. EACH NAME SHALL BE INDIVIDUALLY LAID OUT TO FIT EITHER THE 24" OR 30" SPACE. THE LETTERS SHALL BE OF THE ROUNDED TYPE STYLE CONFORMING WITH THE STANDARD ALPHABET FOR HIGHWAY SIGNS DESIGNED BY THE U.S. PUBLIC ROADS ADMINISTRATION. LETTERS SHALL BE FHWA TYPE II REFLECTIVE SHEETING.



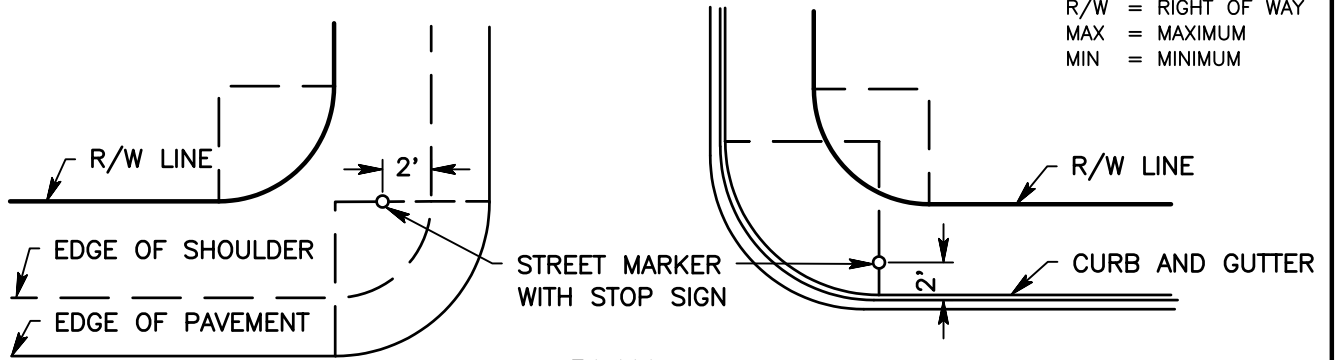
SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

STREET MARKER

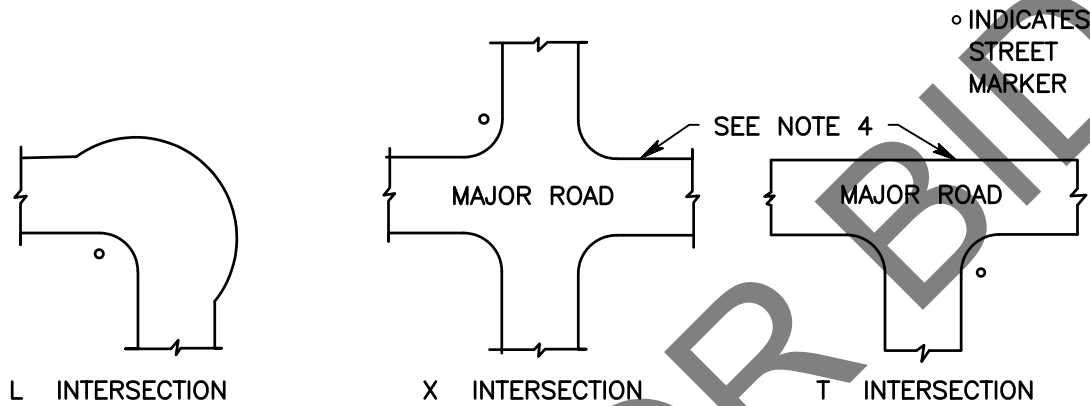
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 DIRECTOR OF PUBLIC
 WORKS/ROAD
 COMMISSIONER

303

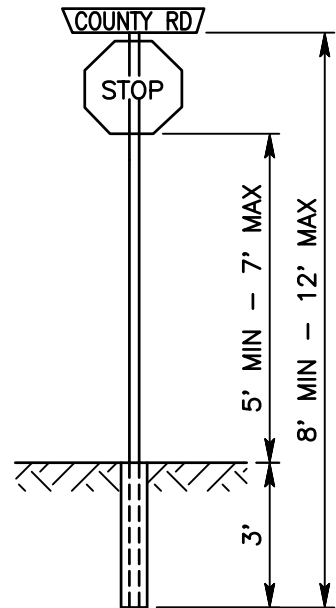
R/W = RIGHT OF WAY
 MAX = MAXIMUM
 MIN = MINIMUM



PLAN



TYPICAL LOCATION



ELEVATION

NOTES:

1. MARKER TO BE SET ON COUNTY RIGHT OF WAY.
2. LOCATION OF MARKER SHOWN IS APPROXIMATE.
3. MARKERS TO BE VISIBLE FOR A DISTANCE OF 150 FEET.
4. IF EITHER ROAD IS DIVIDED INTO 4 LANES OR MORE (MAJOR ROAD), ADDITIONAL MARKERS WILL BE REQUIRED.
5. STREET MARKERS LOCATED AT MAJOR ROADS WILL BE MOUNTED ON 12 FOOT POSTS TO ACCOMMODATE A STOP SIGN.



SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS

**STREET MARKER
 (TYPICAL LOCATION)**

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 WORKS/ROAD
 COMMISSIONER

303A