



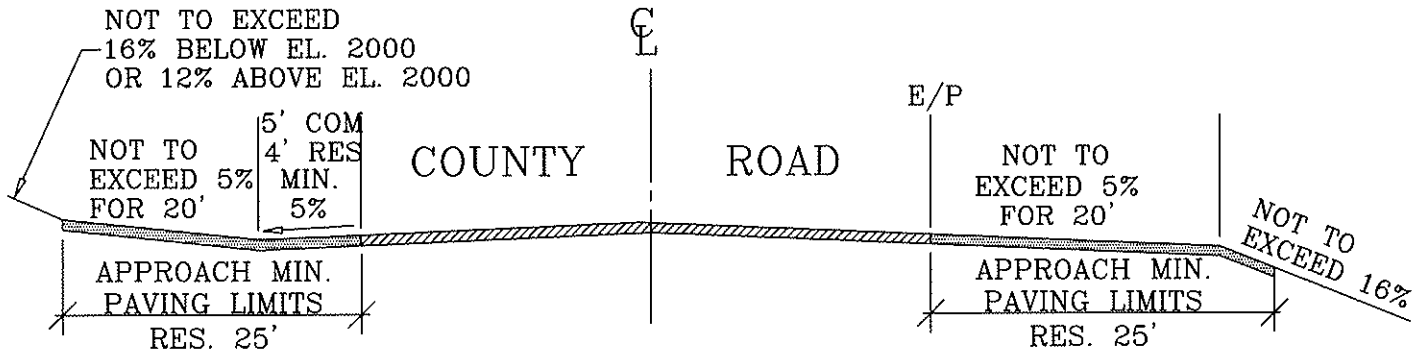
COUNTY OF AMADOR
TRANSPORTATION AND
PUBLIC WORKS
STATE OF CALIFORNIA

STANDARD PLANS

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**INDEX OF
AMADOR COUNTY PUBLIC WORKS AGENCY
STANDARD PLANS**

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PW-4	STANDARD RESIDENTIAL DRIVEWAY APPROACH	08/08/06
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1. THE MAXIMUM ALLOWABLE GRADE FOR A DRIVEWAY APPROACH SHALL BE MEASURED FROM THE EDGE OF EXISTING PAVEMENT, AND SHALL NOT EXCEED 5% FOR 20 FEET.
2. THE MINIMUM CULVERT DIAMETER SHALL BE 12". MATERIAL SHALL BE 16 GAUGE CMP, REINFORCED CONCRETE PIPE, HDPE, OR EQUAL.
3. NO CULVERT SHALL BE LESS THAN 20 FEET LONG, AND MUST HAVE PROTECTED ENDS. EXTRA LENGTH MAYBE REQUIRED TO MATCH EXISTING FLOW LINE.
4. THE CULVERT LOCATION SHALL BE DETERMINED BY THE AMADOR COUNTY PUBLIC WORKS AGENCY.
5. THE VALLEY DRAIN SHALL BE 6' WIDE. A 0.25' DIP SHALL EXIST AT THE FLOW LINE, AS MEASURED FROM THE SHOULDER OF THE VALLEY DRAIN. ROADSIDE DRAINAGE SHALL BE WARPED TO MEET WITH THE FLOW LINE OF THE VALLEY DRAIN.
6. ON SHORT RESIDENTIAL STREETS, WHERE LITTLE TRAFFIC OR STEEP TERRAIN EXISTS, THE 5% GRADE MAY BE EXCEEDED UPON APPROVAL BY THE PUBLIC WORKS AGENCY.
7. A SIGHT DISTANCE OF 10 TIMES THE OPERATIONAL SPEED ON THE COUNTY ROAD IS REQUIRED TO THE RIGHT AND LEFT OF THE DRIVEWAY, AS VIEWED FROM A POINT IN THE DRIVEWAY 8' FROM THE EDGE OF PAVEMENT.
8. PRIVATE DRIVEWAYS SHALL BE CONSTRUCTED AS PER "STD. PLAN P.W.-4".
9. STANDARD PUBLIC ROAD CONNECTION SHALL BE CONSTRUCTED AS PER "STD. PLAN P.W.-5A".
10. FOR MORE MIN. REQUIREMENTS ON DRIVEWAYS AND PRIVATE ROADS, SEE CODE CHAP. 15.30.

AMADOR
COUNTY



PUBLIC WORKS AGENCY

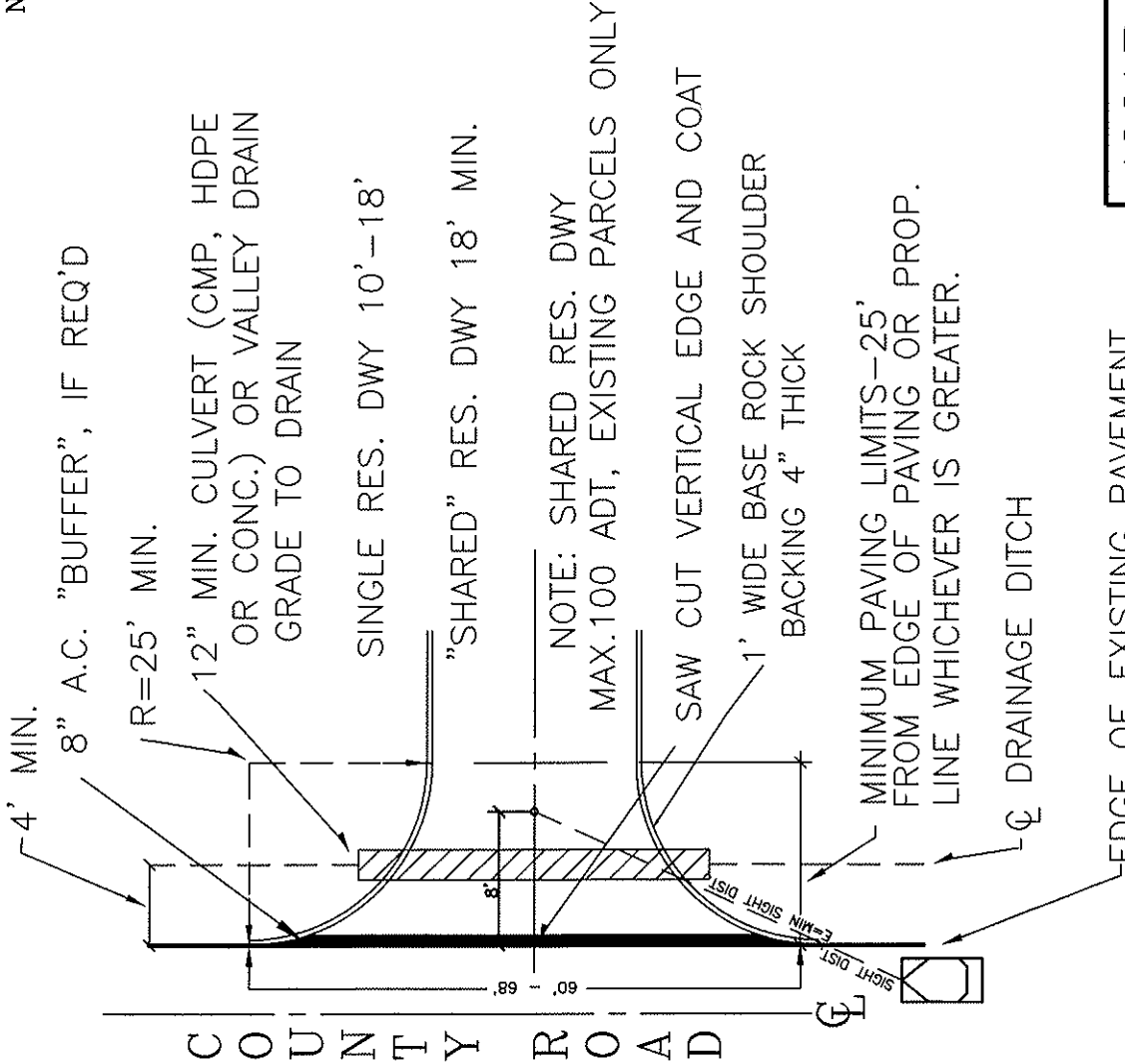
MINIMUM DRIVEWAY
CONSTRUCTION STDS.

STD. PLAN
PW-3

SCALE: N.T.S.	DATE: 10/31/95	REV.: 03/01/05	ADOPT: 03/03/97
DRAWN BY: B. S.	APPROVED BY: LARRY PETERSON		FILE NO. DWMIN.DWG
CHECKED BY: L. PETERSON	DIRECTOR OF PUBLIC WORKS		SHT 1 OF 1

NOTES:

1. Approach shall be constructed from one of the following:
 - A. 2" A.C. over 4" class II aggregate base (A.B.).
 - *B. 5" concrete (2500 psi) with 6" x 6" #10 gauge wire mesh placed in upper 1/3 of concrete or Nikon fiber mesh over 2" compacted class II A.B.
 - C. Alternate design suggested or approved by the Public Works Agency.
- Subgrade inspection is required before placing Aggregate Base. Min. 2 working days advance notice.
- A base rock inspection is required before placing concrete or asphalt. Min. 2 working days advance notice.
- Erosion protection shall be provided as required by the Public Works Agency.
- Easements, for excavation on adjacent property, are the responsibility of the permittee.
- All work shall be in conformance of the County's Standard Plan PW-3 and Caltrans Standard Specifications.
- Driveway approach shall be at 90° or as near to 90° to the road as possible.
- Driveway approach shall be in a min. of 150' from an intersection.
- E=10 times operational speed on County roads, both directions. 100 ft. min. sight dist. for a cul-de-sac, both directions.
- No portion of driveway shall be within 50 ft. from a radius return nor 10 ft. from a fire hydrant.
- * Concrete driveway may not be acceptable under certain circumstances.



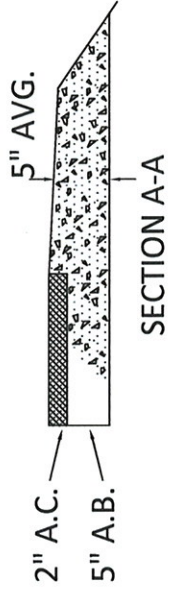
PUBLIC WORKS AGENCY	
STANDARD RESIDENTIAL DRIVEWAY APPROACH PW-4	STD. PLAN
SCALE: N.T.S. DATE: 10/30/95 REV.: 08/08/06 ADOPT: 03/03/97	APPROVED BY: LARRY PETERSON, P.E.
DRAWN BY: B. S.	FILE NO. PW-4.DWG
CHECKED BY: L. PETERSON DIRECTOR OF PUBLIC WORKS SHT <u> </u> OF <u> </u>	

AMADOR COUNTY

PERPETUAL MAINTENANCE IS THE RESPONSIBILITY OF THE PROPERTY OWNER

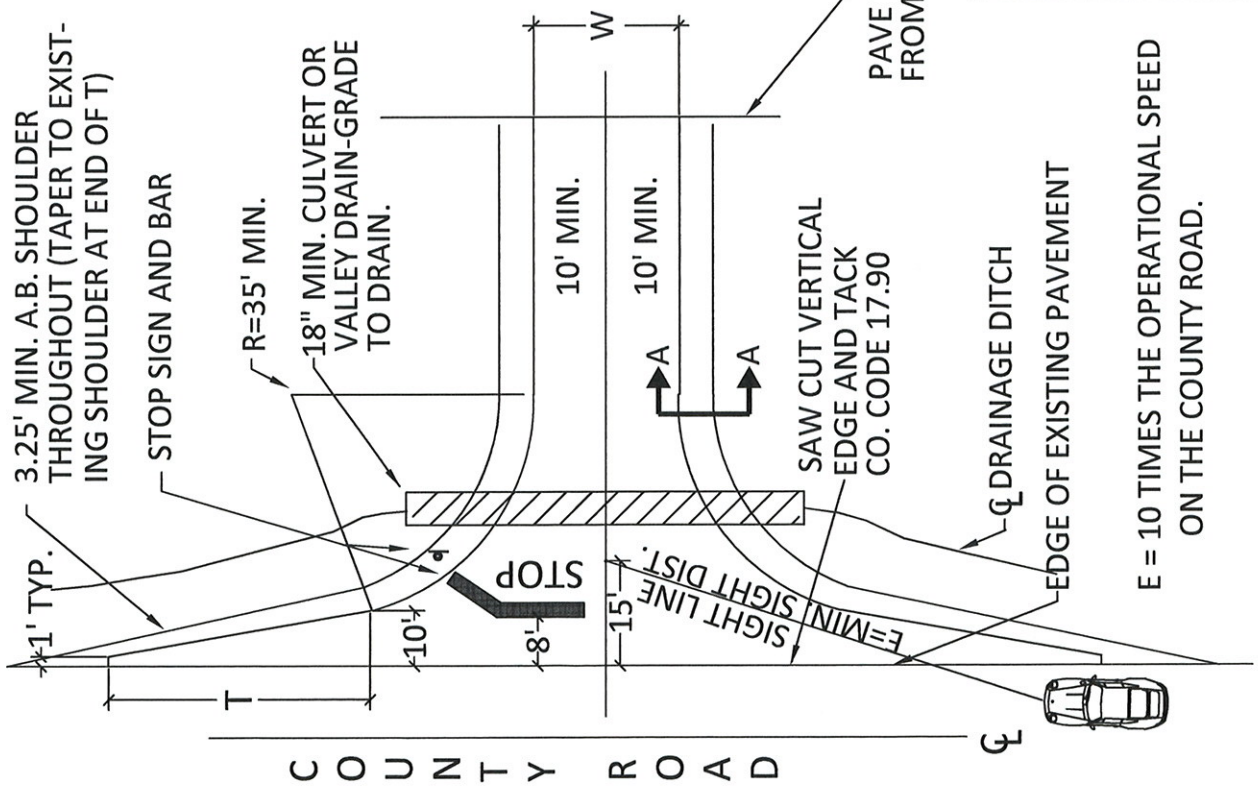
NOTES:

- Approach shall be constructed of:
 5" (min.) Class 2 Aggregate Base.
 2" (min.) A.C. paving.
 A base rock inspection is required before placing asphalt, min. 2 working days advance notice.
- Connection to County Road shall be made with a maximum skew of 10 degree from perpendicular.



ENCROACHMENT CLASS	T	R	W
LOCAL ACCESS RD. TO LOCAL ACCESS RD.	50	35	20
LOCAL TO COLLECTOR/ARTERIAL	100	35	20
MINOR COLLECTOR TO COLLECTOR/ARTERIAL	100	35	24
MAJOR COLLECTOR TO COLLECTOR/ARTERIAL	100	35	28

T=TAPER R=RADIUS W=WIDTH OF ROAD (ALL IN FEET)



AMADOR COUNTY

TRANSPORTATION AND PUBLIC WORKS

STANDARD ROAD CONNECTION

STD. PLAN
PW-5A

SCALE: N.T.S. DATE: 10-31-1995 REV.: 5-7-2012 ADOPT:

DRAWN BY: ROMY CUA APPROVED BY: *ABS* Aaron Brusatori, P.E. FILE NO. PW-5A

CHECKED BY: ROGER STUART COMMUNITY DEVELOPMENT DIRECTOR

GENERAL NOTES:

1. Subgrade and base rock shall be compacted to 95 % relative compaction.
2. Drainage design and culvert sizing shall be subject to approval by the Department of Transportation and Public Works.
3. Erosion control measures required per Municipal Code Chapter 15.40.030 enforced by Department of Transportation and Public Works.
4. Easement for excavation and /or drainage facilities on adjacent property are the responsibility of the permittee and shall be provided to Amador County prior to project approval.
5. All work shall be done in conformance with Amador County Municipal Code and Caltrans Standard Specification. County Code 12.08.030 and 17.90.180.
6. Approach or connection shall be constructed at 90 degree to existing road. Maximum skew of 10 degree from perpendicular may be allowed.

**AMADOR
COUNTY**



TRANSPORTATION AND PUBLIC WORKS

DRIVEWAY AND ROAD CONNECTION TO ROADS
GENERAL NOTES

STD. PLAN
PW-5B

SCALE: N.T.S. DATE: 10-31-1995 REV.: 5-7-2012 ADOPT:

DRAWN BY: ROMY CUA

APPROVED BY: *AB*

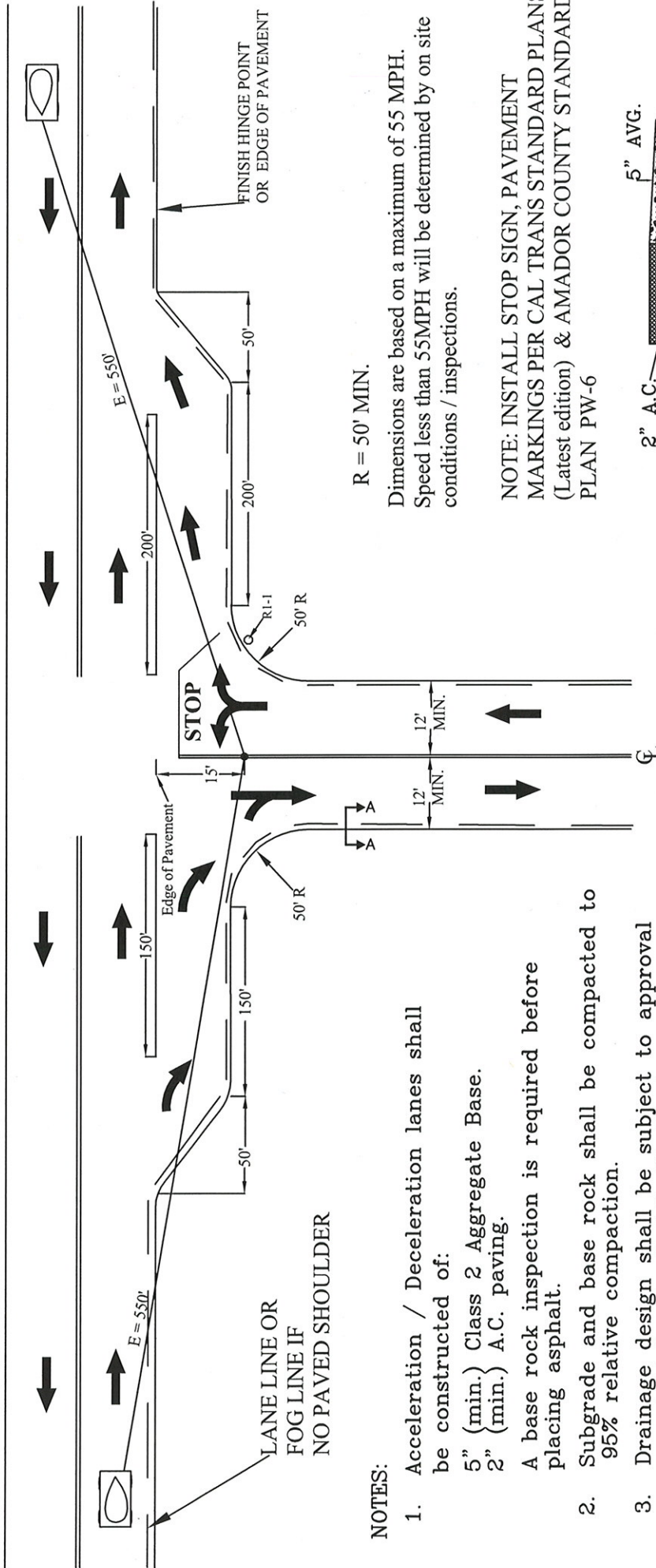
Aaron Brusatori, P.E.

CHECKED BY: ROGER STUART

COMMUNITY DEVELOPMENT DIRECTOR

FILE NO.
PW-5B

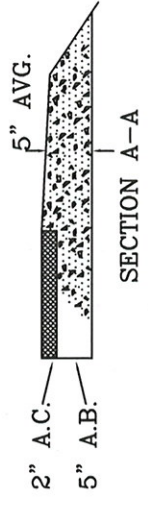
COUNTY ROAD



R = 50' MIN.

Dimensions are based on a maximum of 55 MPH. Speed less than 55MPH will be determined by on site conditions / inspections.

NOTE: INSTALL STOP SIGN, PAVEMENT MARKINGS PER CAL TRANS STANDARD PLANS (Latest edition) & AMADOR COUNTY STANDARD PLAN PW-6

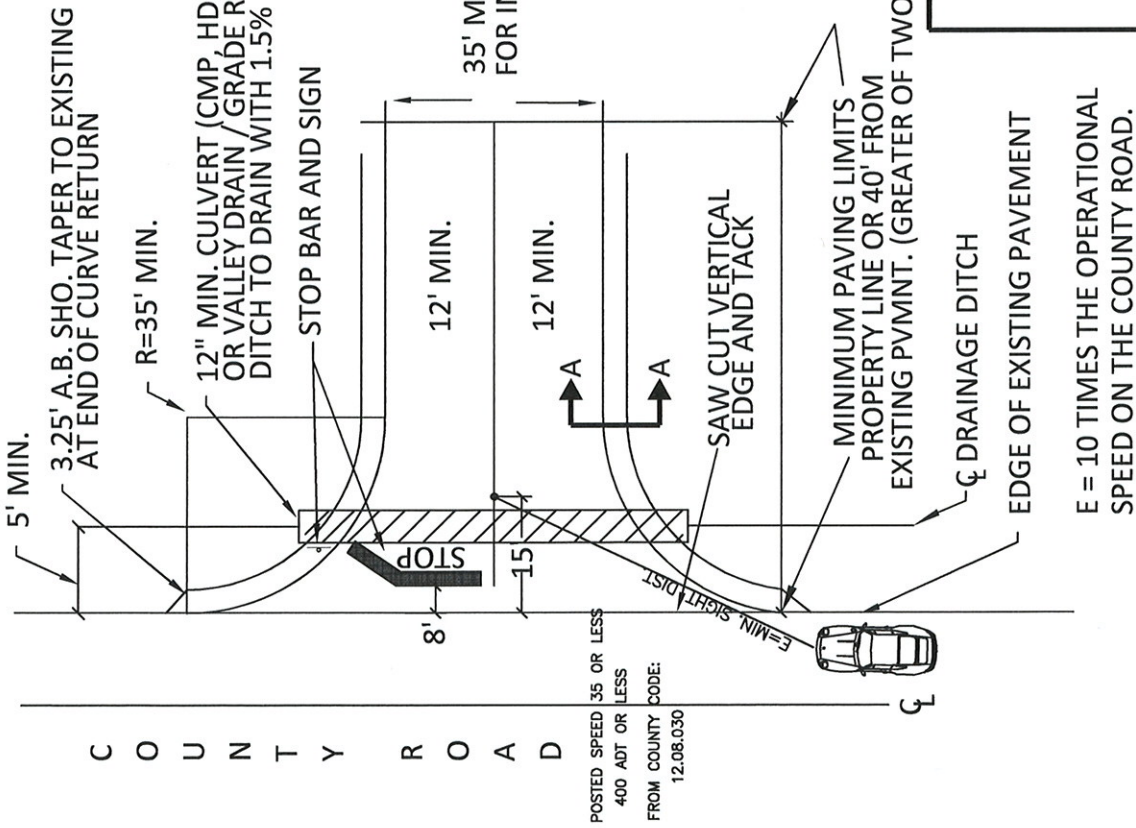


COMMERCIAL DRIVEWAY

NOTES:

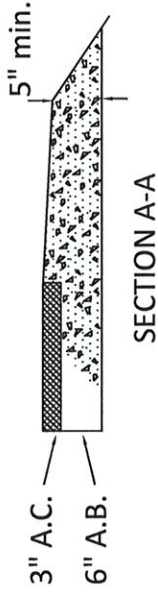
1. Acceleration / Deceleration lanes shall be constructed of:
 - 5" (min.) Class 2 Aggregate Base.
 - 2" (min.) A.C. paving.
2. A base rock inspection is required before placing asphalt.
3. Subgrade and base rock shall be compacted to 95% relative compaction.
4. Drainage design shall be subject to approval required by the Public Works Agency.
5. Erosion protection shall be provided as required by the Public Works Agency.
6. Easements for excavation and/or drainage facilities on adjacent property are the responsibility of the permittee.
7. All work shall be done in conformance with Amador County code and Cal-Trans std. spec.
8. E=10 times operational speed on County road, both directions.

		PUBLIC WORKS AGENCY COMMERCIAL DRIVEWAY with Acceleration / Deceleration Control DETAIL PW-6	
		SCALE: N.T.S. DATE: 8/21/07 REV: 9/28/07	ADOPT:
DRAWN BY: B. Smiley	APPROVED BY: 	FILE NO. PW 6	ADAPT:
CHECKED BY: R. STUART	LARRY S. PETERSON P.E. DIRECTOR OF PUBLIC WORKS	SHEET 1 OF 1	



NOTES:

1. Approach shall be constructed of:
 - 6" (min.) Class 2 Aggregate Base.
 - 3" (min.) A.C. paving.
 A base rock inspection is required before placing asphalt.
 Min. 2 working days advance notice.



2. Driveway approach shall be in a min. of 150' from an intersection.
3. No portion of driveway shall be within 50' from a radius return nor 10' from fire hydrant.
4. Maintenance is the responsibility of the permittee.

AMADOR COUNTY



TRANSPORTATION AND PUBLIC WORKS
STANDARD COMMERCIAL/INDUSTRIAL
DRIVEWAY APPROACH TO LOCAL ROAD

SCALE: N.T.S.	REV.: 5-7-2012	ADOPT:	STD. PLAN
DRAWN BY: Romy Cua	APPROVED BY: 	Aaron Brusatori, P.E.	PW-6A
CHECKED BY: Roger Stuart	COMMUNITY DEVELOPMENT DIRECTOR		

3.25' MIN. A.B. SHOULDER THROUGHOUT.
(TAPER TO EXISTING SHOULDER AT END OF T)

STOP SIGN AND BAR

R=35' MIN.

12" MIN. CULVERT (CMP, HDPE or CONC.)
OR VALLEY DRAIN / GRADE ROAD SIDE
DITCH TO DRAIN WITH 1.5% MIN. SLOPE.

12' MIN.

12' MIN.

35' MIN. WIDTH
FOR INDUSTRIAL
(W, WI)

POSTED SPEED 35 OR GREATER
400 ADT OR GREATER
FROM COUNTY CODE:
12.08.050

SAW CUT VERTICAL
EDGE AND TACK

Q DRAINAGE DITCH

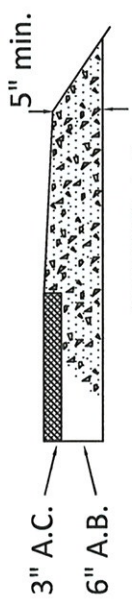
EDGE OF EXISTING PAVEMENT

E = 10 TIMES THE OPERATIONAL
SPEED ON THE COUNTY ROAD.

PAVE TO PROPERTY LINE OR 40'
FROM EXISTING EDGE OF PVMNT. (GREATER OF TWO)

NOTES:

- Approach shall be constructed of:
6" (min.) Class 2 Aggregate Base.
3" (min.) A.C. paving.
A base rock inspection is required before placing asphalt.
Min. 2 working days advance notice.



SECTION A-A

ENCROACHMENT CLASS	T	R	W	WI
MAJOR COLLECTOR ROAD	100	35	28	35
MINOR COLLECTOR ROAD	50	35	24	35

- Driveway approach shall be in a min. of 150' from an intersection.
- No portion of driveway shall be within 50' from a radius return nor 10' from fire hydrant.
- Maintenance is the responsibility of the permittee.

AMADOR COUNTY



TRANSPORTATION AND PUBLIC WORKS

STANDARD COMMERCIAL/INDUSTRIAL

DRIVEWAY APPROACH TO ARTERIAL/COLLECTOR ROAD

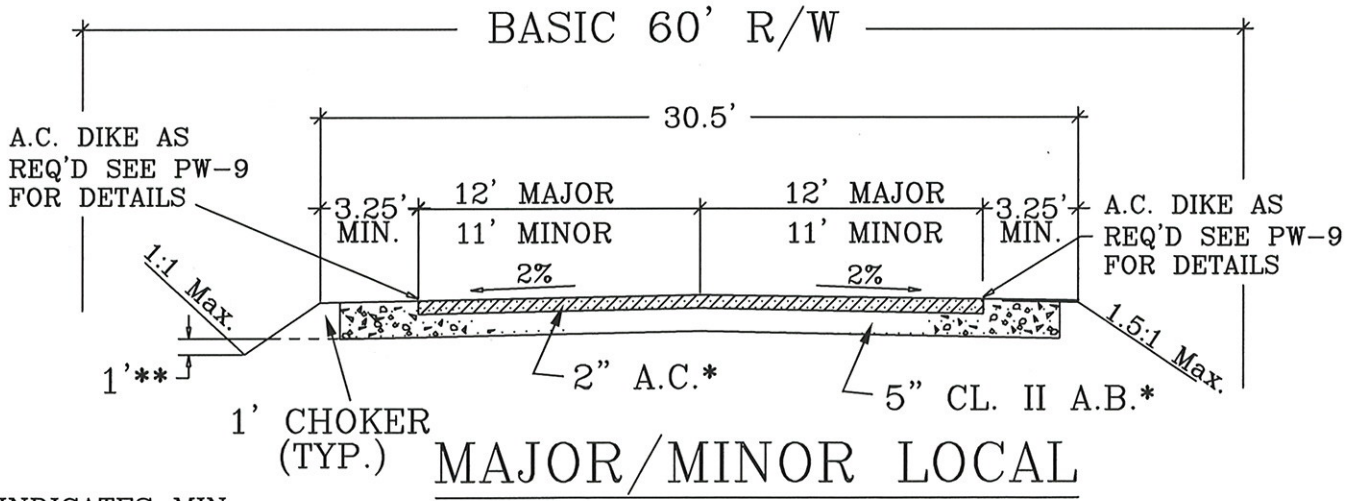
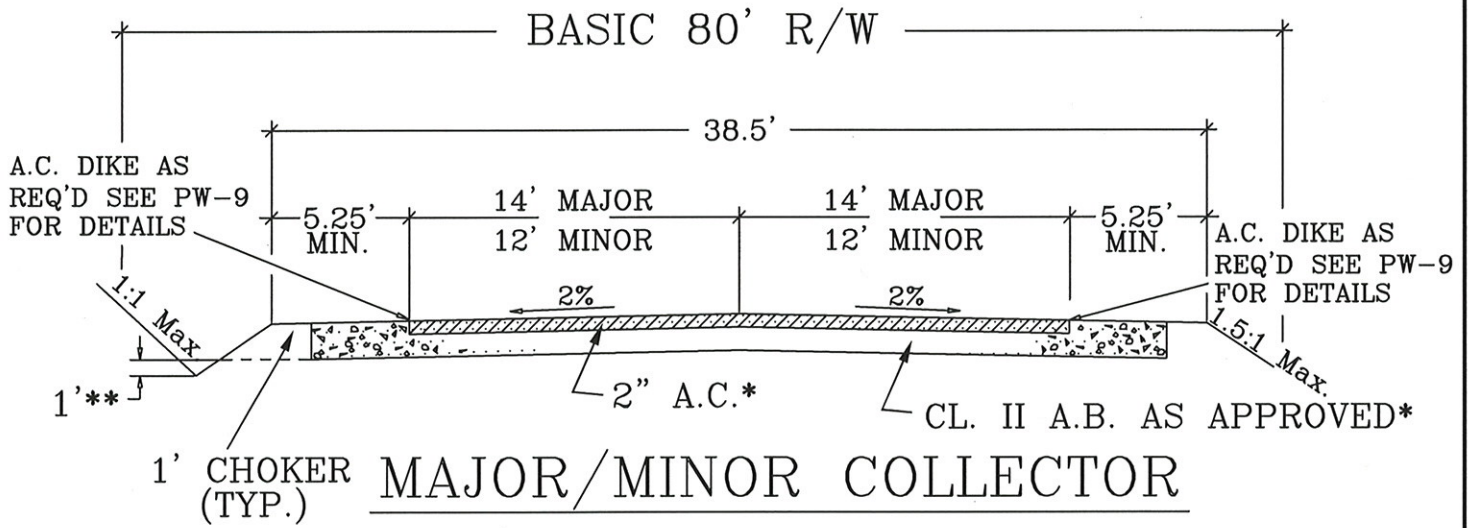
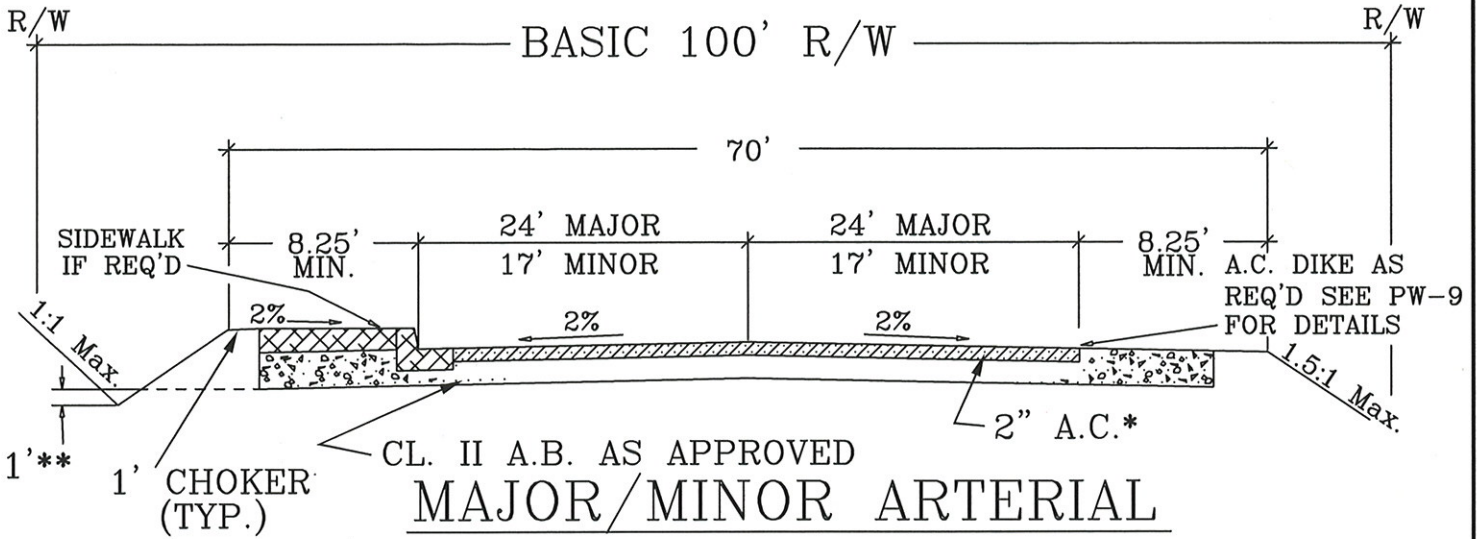
SCALE: N.T.S. DATE REV.: 5-7-2012 ADOPT:

DRAWN BY: Romy Cua

APPROVED BY: *AS*


Aaron Brusatori, P.E.
COMMUNITY DEVELOPMENT DIRECTOR

STD. PLAN
PW-6B



* INDICATES MIN. ENGINEERED DESIGN MAY DICTATE MORE MATERIAL.

**MIN. DEPTH BELOW SUBGRADE. HYDROLOGY AND HYDRAULICS MAY DETERMINE A LARGER ROADSIDE DITCH CROSS SECTION. SEE STD. PLAN P.W.-9 & 12 FOR MORE SPECIFICS.


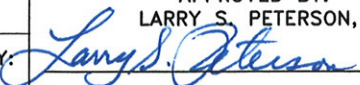
AMADOR COUNTY 	PUBLIC WORKS AGENCY	
	TYPICAL SECTION FOR STREETS AND ROADS	
	STD. PLAN PW-7	
SCALE: N.T.S.	DATE: 9/30/95	REV.: BY BS 2/11/08
DRAWN BY: B. SELMAN	APPROVED BY: LARRY S. PETERSON, P.E.	
CHECKED BY: M. PRICE	FILE NO. PW-7	
	ADOPT: 03/03/97	
	SHT. 1 OF 1	

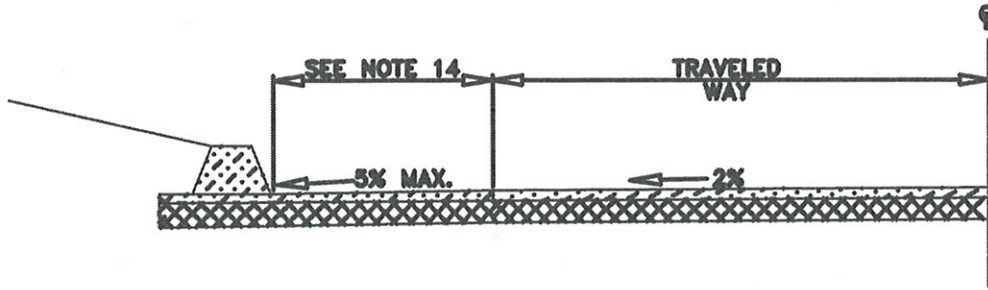
MAILBOX PLACEMENT RULES

1. MAILBOX MUST BE TYPE AND STYLE APPROVED BY POSTMASTER. NO CUSTOM HOUSING OVER OR AROUND POSTMASTER APPROVED BOXES.
2. WHICH SIDE OF ROAD DEPENDS ON MAIL ROUTE AND POSMASTER APPROVAL.
3. PLACE 6 FEET MINIMUM (8-10 FEET RECOMMENDED) OFF THE EDGE OF PAVEMENT TO THE FRONT OF THE MAILBOX.
4. PLACE IN AREA WITH 300 FEET SIGHT DISTANCE IN BOTH DIRECTIONS, IF POSSIBLE.
5. PLACE IN CLUSTER, BUT INDEPENDENT OF OTHER MAILBOXES, WHENEVER POSSIBLE. DO NOT PLACE MULTIPLE MAILBOXES ON SINGLE HORIZONTAL SUPPORTS.
6. PLACE BEHIND DITCH LINE (DO NOT PLACE IN DITCH). WHEN THE MAILBOX IS PLACED BEHIND THE DITCH LINE, A CMP (CULVERT) MUST BE PLACED IN THE DITCH - 12" MIN.(CULVERT SIZE TO BE DETERMINED IN FIELD BY INSPECTOR).
7. BOTTOM OF MAILBOX SHALL BE 40 INCHES ABOVE THE GROUND.
8. BASE ROCK SHOULDER AREA (20 L.F.+) TO PREVENT A/C EDGE BREAKDOWN.
9. PLACE ADDRESS ON THE FRONT OR THE SIDE OF BOX SO THAT IT IS CLEARLY VISIBLE. 3 INCH MIN. HEIGHT LETTERING. INDIVIDUAL DRIVEWAY TO HOUSE SHOULD ALSO HAVE 3-INCH HEIGHT ADDRESS EASILY VISIBLE.
10. NOTIFY THIS OFFICE WHEN MAILBOX IS COMPLETED FOR A FINAL INSPECTION (BE SURE TO STATE PERMIT NUMBER WHEN CALLING FOR AN INSPECTION).
11. APPLICANT WILL BE NOTIFIED WHEN FINAL INSPECTION WARRANTS ACCEPTANCE OF MAILBOX PLACEMENT. APPLICANT THEN NOTIFIES POST OFFICE OF COMPLETION.

AMADOR COUNTY PUBLIC WORKS AGENCY
810 COURT STREET
JACKSON, CA 95642
(209) 223-6429

NOTE: FOR SAFETY REASONS, IF ABOVE RULES ARE NOT FOLLOWED, THE MAILBOX WILL BE TAKEN DOWN AND THE PERMITTEE WILL HAVE TO REINSTALL PROPERLY AT THE PERMITTEE'S OWN EXPENSE.

<p style="font-size: 24pt; margin: 0;">AMADOR COUNTY</p> 	PUBLIC WORKS AGENCY			STD. PLAN PW-8
	MAILBOX PLACEMENT RULES			
	SCALE: N.T.S.	DATE: 10/31/95	REV.: 7/7-06	ADOPT: 03/06/97
	DRAWN BY: B.FALLIS	APPROVED BY: LARRY S. PETERSON, P.E. 		FILE NO.: MAILBOX.DWG
CHECKED BY: M. PRICE	DIRECTOR OF PUBLIC WORKS		SHT <u>1</u> OF <u>1</u>	



ALTERNATIVE TO ROADSIDE DITCH

NOTES:

1. SEE TABLE OF STANDARD ROAD DESIGN PW-12 FOR MORE SPECIFICS.
2. IN EXISTING CUT SECTIONS, SCARIFY AND RECOMPACT SUBGRADE TO 95% RELATIVE COMPACTION. KEY IN SLOPES OVER 10:1.
3. TOP 6" OF NATIVE SUBGRADE SHALL BE COMPACTED TO 95% (C.T.M. 231F OR A.S.T.M. 1557)
4. CLASS 2 AGGREGATE BASE SHALL BE COMPACTED TO 95%, PER CALTRANS STANDARD SPECIFICATIONS, SECTION 26, (C.T.M. 231F OR A.S.T.M. 1557) INCLUDING THE 4" UNDER CURB AND GUTTER AND SIDEWALKS.
5. OVER ALL AGGREGATE BASE, ASPHALT CONCRETE SHALL BE TYPE B PER CALTRANS STANDARD SPECIFICATIONS, SECTION 39. AGGREGATE 1/2" MAX. MEDIUM TYPE B, ASPHALT GRADE PG 64-16. FOR GRADES EXCEEDING 7% AND ELEVATIONS OVER 3000 FT., A.C. TO BE ONLY 3/4" MAX. MEDIUM TYPE B, ASPHALT GRADE PG 64-28. TACK COAT TO BE USED BETWEEN A.C. LIFTS & SAWCUT EDGES.
6. FOG SEAL SS-1 OVERALL A.C.; PRIME COAT TO BE SC70.
7. WHEN THE GRADING FOR CUT AND FILL SLOPES EXTENDS OUTSIDE OF THE BASIC RIGHT OF WAY WIDTH, SLOPE EASEMENTS WILL EXTEND 2' BEYOND HINGES, TOES AND DRAINAGE STRUCTURES.
8. 8' SIDEWALKS ON SCHOOL PROP. FRONTAGE, OTHERWISE, ONLY AS MAY BE REQUIRED THROUGH THE PLANNING DEPT.
9. ADT's SHALL BE THOSE SHOWN IN THE AMADOR COUNTY REGIONAL TRANSPORTATION PLAN (RTP) UNLESS IT IS OTHERWISE DIRECTED BY THE PUBLIC WORKS AGENCY DIRECTOR.
10. PAVEMENT, BASE, AND SUBGRADE COMPACTION THICKNESS MAY BE CHANGED IF DESIGNED BY A REGISTERED ENGINEER. R-VALUE TEST RESULTS MUST BE SUBMITTED.
11. UPON SPECIAL APPROVAL, CURB, GUTTER AND SIDEWALK MAY BE CHANGED TO A.C. DIKE AND OVERSIDE DRAINS WHEN CONNECTING ONTO EXISTING A.C. FACILITIES.
12. SEE STANDARD PLAN PW-10 FOR UTILITY LOCATIONS.
13. DITCHES SHALL BE DESIGNED AGAINST EROSION WITH PROTECTIVE LINER. THE MINIMUM DEPTH OF 1 FOOT BELOW SUBGRADE SHALL BE FINISH DEPTH OF DITCH AFTER LINER.
14. IF ALTERNATIVE TO DITCH IS USED, THE WIDTH FROM TRAVELED WAY (OR EDGE STRIP) TO FACE OF CURB SHALL BE DETERMINED BY THE HYDRAULIC FLOW AREA REQUIRED.

AMADOR
COUNTY



PUBLIC WORKS AGENCY

NOTES FOR TYPICAL
STREETS AND ROADS

STD. PLAN
PW-9

SCALE: N.T.S. DATE: 10/31/95 REV.by: B.SMILEY 3-22-07 ADOPT: 03/03/97

DRAWN BY:
B.SELMAN

APPROVED BY:
LARRY S. PETERSON, P.E.

FILE NO.:
NOTES1.DWG

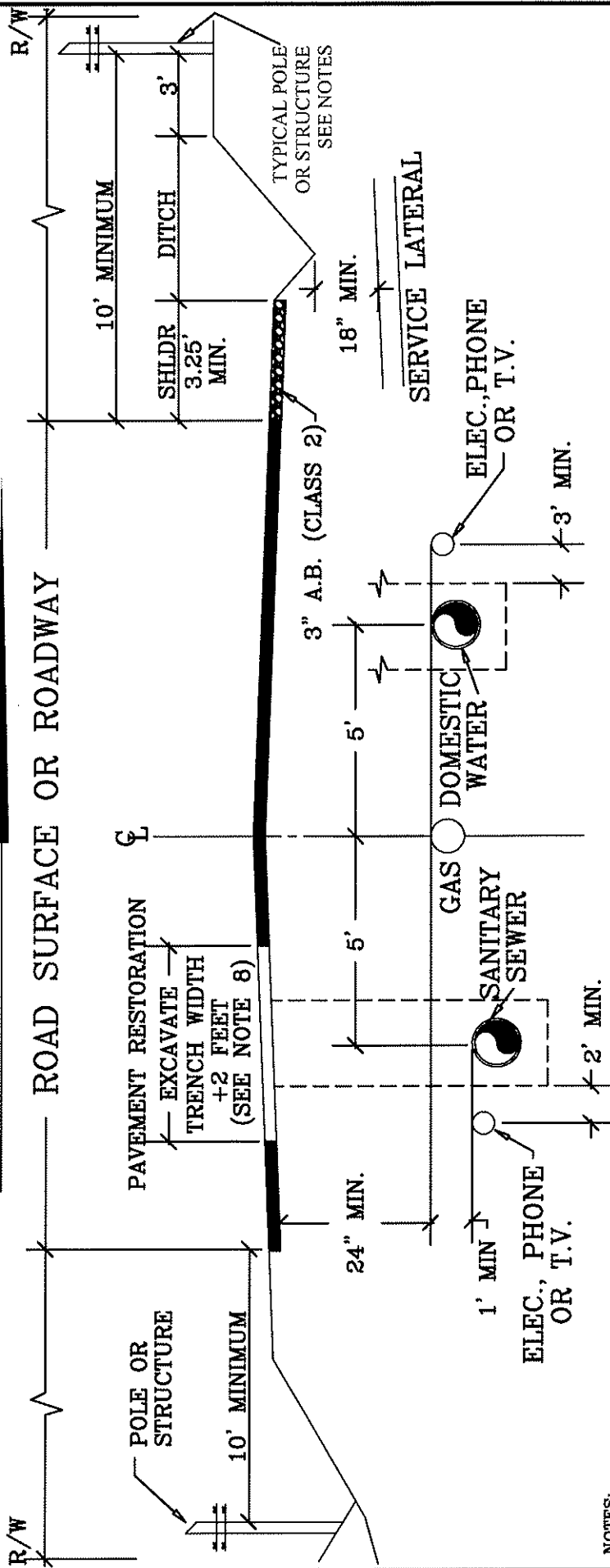
CHECKED BY:
M. PRICE

Larry S. Peterson

SHT 1 OF 1

NORTH OR WEST

ROAD SURFACE OR ROADWAY



NOTES:

1. Poles or structures shall be located as far from the roadway and as close to the R/W as practical.
2. Poles may be located at the toe of fills which are more than 4 feet in height. Pole should extend to native ground where practical.
3. Poles may be located on cut or fill slopes when elev. of their base is 4 feet above or below the edge of pavement.
4. Poles or structures may be located closer to roadway, if the motorists are protected from poles or structures by metal beam guard railing.
5. Poles and guys may not be located on the roadway or in the roadside ditch or driveway shoulder.
6. No poles or structures will be located within any radius portion of a driveway or roadway connection.
7. Structure includes, but not limited to, objects that extend above ground such as light standards, splice pedestals, fire hydrants, transformers, power poles, etc.

8. For trench restoration see Std. Plan P.W.-11.
9. Utility to be located in the shoulder requires approval from Public Works Agency.
10. Utilities located in the shoulder to have a min. depth of 3 inches of A.B. (class 2) and 3.25 ft min. width.

AMADOR COUNTY



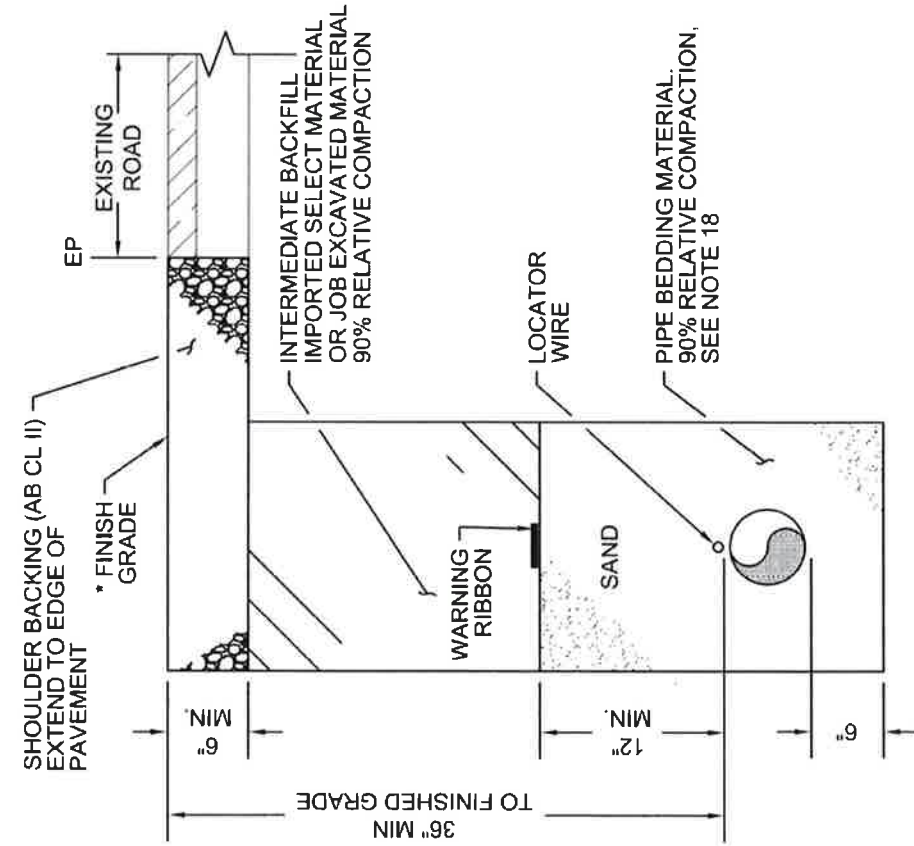
PUBLIC WORKS AGENCY

TYPICAL UTILITY
INSTALLATION

SCALE: N.T.S. DATE: 10/31/95	REV. BY: J.O. 08/19/15	ADOPT: 08/19/15
DRAWN BY: V. VILLA	APPROVED BY: AARON BRUSATORI, P.E.	FILE NO. PW-10.DWG
CHECKED BY: JACK O'BRIEN	<i>[Signature]</i>	SHT ____ OF ____

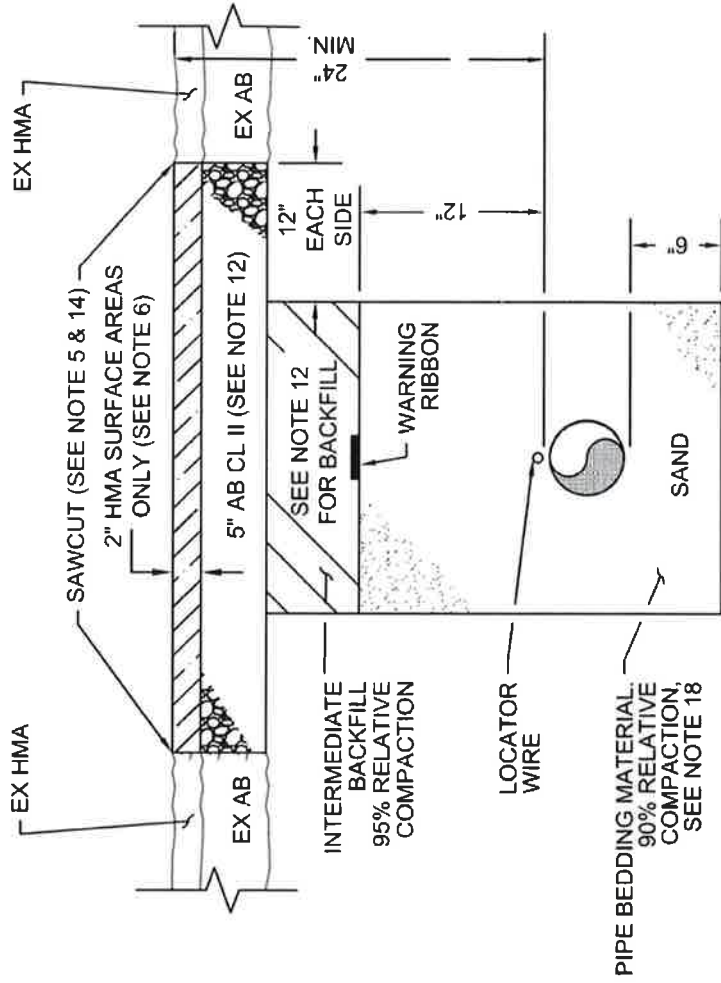
STD. PLAN
PW-10

AN ENCROACHMENT PERMIT IS REQUIRED FOR ANY WORK WITHIN A COUNTY MAINTAINED ROAD



TYPICAL TRENCH SECTION
SHOULDER AREA

* IF LOCATED IN DITCH, FINISHED GRADE IS TO BE BOTTOM OF DITCH.



TYPICAL TRENCH SECTION
PAVEMENT AREA

SEE TRENCH RESTORATION NOTES ON SHEET 2 OF 2

AMADOR COUNTY



PUBLIC WORKS AGENCY

TRENCH RESTORATION DETAILS
STD. PLAN PW-11

SCALE: N.T.S. DATE: 4/13/21 ADOPT: 4/13/21
 DRAWN BY: V. VILLA APPROVED BY: RICHARD VELA, P.E.
 CHECKED BY: R. VELA, P.E. DIRECTOR OF TRANSPORTATION AND PUBLIC WORKS

FILE NO. PW-11

SHT 1 OF 2

AN ENCROACHMENT PERMIT IS REQUIRED FOR ANY WORK WITHIN A COUNTY MAINTAINED ROAD

NOTES:

1. Upon issuance of an encroachment permit, 48 hours notice shall be given before any work begins. Call U.S.A. at 1-800-642-2444 before digging.
2. Use proper flagging and traffic control following Caltrans Standard Specifications, latest edition.
3. All backfill material will be placed in not more than 8" lifts and follow the typical trench drawing for compaction and material requirements. Method California 216 or ASTM 1557 shall be used to determine relative compaction.
4. Cold mix may be used temporarily for 30 to 60 days then replaced with 2" HMA.
5. Use tack coat on all edges of old pavement before paving.
6. Match existing thickness if greater than 2" HMA and 5" A.B.
7. Ponding or jetting not permitted.
8. The trench shall be paved with HMA when entering roadside ditches and gutters with a grade of 5% or steeper.
9. In roadway fill steeper than 4:1, the outer edge of trench shall be at least 18" from hinge point. For Cable Plowing operations, it shall be 36"
10. Longitudinal pavement replacement will be from the inner cut line to the edge of the existing pavement. When the remaining pavement width is less than 3' on Collector and Arterial roads, pavement shall be replaced from centerline.
11. Replace all obliterated pavement markings.
12. On Collector and Arterial roads, intermediate backfill will be $\frac{3}{4}$ " A.B.. A concrete/ sand slurry (2 sack 4" slump) may be used in place of $\frac{3}{4}$ " A.B.. Note: Prescot mix is preferred for high traffic roads. Native material if suitable 3" max. for backfill on Local roads. The relative compaction is 95%.
13. Final pavement replacement shall have a uniform width and will be approved by an inspector before saw cutting.
14. Before saw cutting, determine if HMA is underlaid with Geofabric, if so, saw cut shall be deep enough to cut through fabric to eliminate lamination separation.
15. Should suspect environmental conditions be encountered the contractor shall notify the Amador County Environmental Health Department 209-223-6439 IMMEDIATELY. Retainment of a qualified consultant who shall evaluate the nature of waste material and make recommendations to the Agency Representative regarding the continuance of work. The investigation and disposal cost of revealed material is the sole responsibility of the permittee.
16. All new construction shall be installed under existing Amador County facilities, including but not limited to structures, culverts, signs, or other existing county facilities.
17. Any underground utility installed within an existing paved section of a county road before the paving is three (3) years old shall be done in a manner that does not involve open cutting or disturbing the pavement. The method or technique used to install the utility shall be subject to approval of the Transportation and Public Works Director. If open cut trenches are allowed, the permittee shall provide temporary steel plates, pinned in all corners, bridging with non-skid surface per Caltrans Specifications.
18. Distance from pipe to vertical trench wall shall be sufficient to facilitate required compaction of pipe bedding material.
19. See further conditions attached to permit.

SEE TRENCH RESTORATION DETAILS ON SHEET 1 OF 2

AMADOR COUNTY



PUBLIC WORKS AGENCY

TRENCH RESTORATION NOTES
 STD. PLAN
 PW-11

SCALE: N.T.S. DATE: 4/13/21 ADOPT: 4/13/21

DRAWN BY:
 V. VILLA
 APPROVED BY: RICHARD VELA, P.E.
Richard Vela
 DIRECTOR OF TRANSPORTATION
 AND PUBLIC WORKS

FILE NO.
 PW-11

SHT 2 OF 2

Design Feature	LOCAL						COLLECTOR						ARTERIAL					
	MINOR		MAJOR		MINOR		MAJOR		MINOR		MAJOR		MINOR		MAJOR			
	Traffic Per Day Under 100	Desirable	Mini-mum	to 400	Desirable	Mini-mum	Traffic Per Day 100 to 1000	Desirable	Mini-mum	1000 to 4000	Desirable	Mini-mum	Traffic Per Day 4000 to 5000	Desirable	Mini-mum	Traffic Per Day Over 5000	Desirable	
Design Speed	40	50	45	55	60	70	60	70	60	70	70	60	70	60	70	60	70	
Flat	30	30	35	45	50	60	50	60	50	60	60	50	60	50	60	50	60	
Rolling	20	25	25	35	40	50	30	40	40	50	50	40	50	40	50	40	50	
Mountainous	400	650	500	850	1000	1500	650	1000	1000	1500	1500	1000	1500	1000	1500	1000	1500	
Radii (ft.) (Min. & desirable min.)	275	400	350	525	650	1000	400	650	650	1000	1000	700	1000	800	1000	800	1000	
Mountainous	100	250	150	325	400	650	250	400	400	650	650	500	650	600	700	600	700	
Grade % Below 2000 feet (Max. & desirable Max.)*	12	6	10	5	6	4	6	4	4	3	3	3	3	3	3	3	2	
Grade % Above 2000 feet (Max. & desirable Max.)*	10	8	10	8	7	6	8	7	7	6	6	7	6	6	6	6	5	
Non-passing	600	800	600	1000	800	1000	800	1000	1000	1200	1200	1000	1200	1000	1200	1000	1200	
Sight distance (ft.)**	500	500	600	800	600	800	600	800	800	1000	1000	800	1000	800	1000	800	1000	
Mountainous	400	500	400	500	500	600	500	600	600	800	800	600	800	600	800	600	800	
R/W width (ft.)	50	60	50	60	60	80	60	80	60	80	80	80	100	80	100	80	100	
Roadbed width (ft.)	26.5	28.5	26.5	30.5	30.5	34.5	30.5	34.5	34.5	38.5	38.5	44.5	52.5	44.5	52.5	64	70	
Surface width (ft.)	20	22	20	24	24	28	24	24	28	28	28	28	34	28	34	46	48	
Thickness base & surface	Design based on engineering analysis of character of traffic and soil																	
Bridges clear width (ft.)	26.5	28.5	26.5	30.5	30.5	34.5	30.5	34.5	34.5	38.5	38.5	44.5	52.5	44.5	52.5	64	70	
Vertical clearance (ft.)	14.5	15	14.5	15	15	15	14.5	15	14.5	15	15	14.5	15	14.5	15	14.5	15	
Design load (A.A.S.H.T.O.)	H-15																	

* Maximum for % grade

** Use current manual on Uniform Traffic Control Devices

NOTE: DESIGN SPEED is defined as:

A speed selected to establish specific minimum geometric design elements for a particular section of highway.

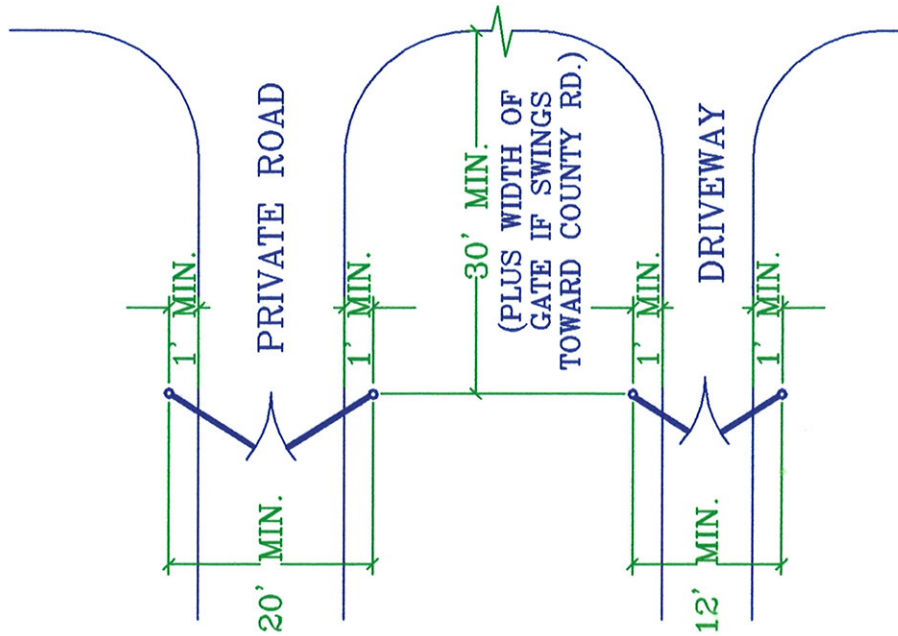
AMADOR COUNTY



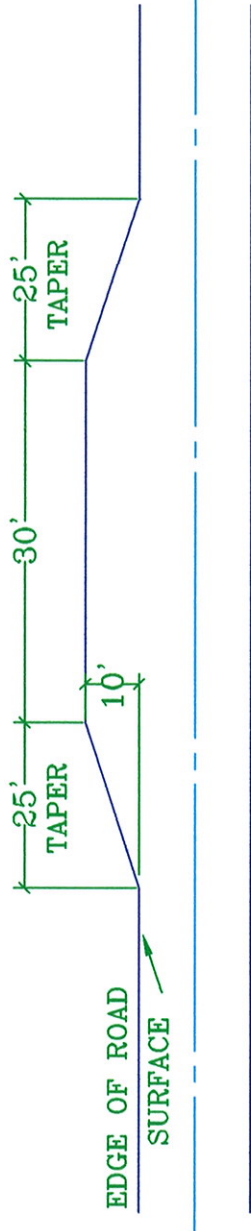
PUBLIC WORKS AGENCY

TABLE OF STANDARD ROAD DESIGN STD. PLAN PW-12

SCALE: N.T.S.	DATE: 10/30/95	REV.: 09/17/96	ADOPT: 04/01/97
DRAWN BY: B. SELMAN	APPROVED BY: RODERICK E. SCHULER, P.E. DIRECTOR	FILE NO. RDESIGN.DWG	
CHECKED BY: M. PRICE	<i>Roderick E. Schuler</i>	SHT	1 OF 1



GATE LOCATIONS



PLAN VIEW OF TURNOUT

NOTE: For more information, see County Code Chap. 15.30

AMADOR COUNTY



PUBLIC WORKS AGENCY

STANDARD FOR
TURNOUTS AND GATES PW-13

STD. PLAN

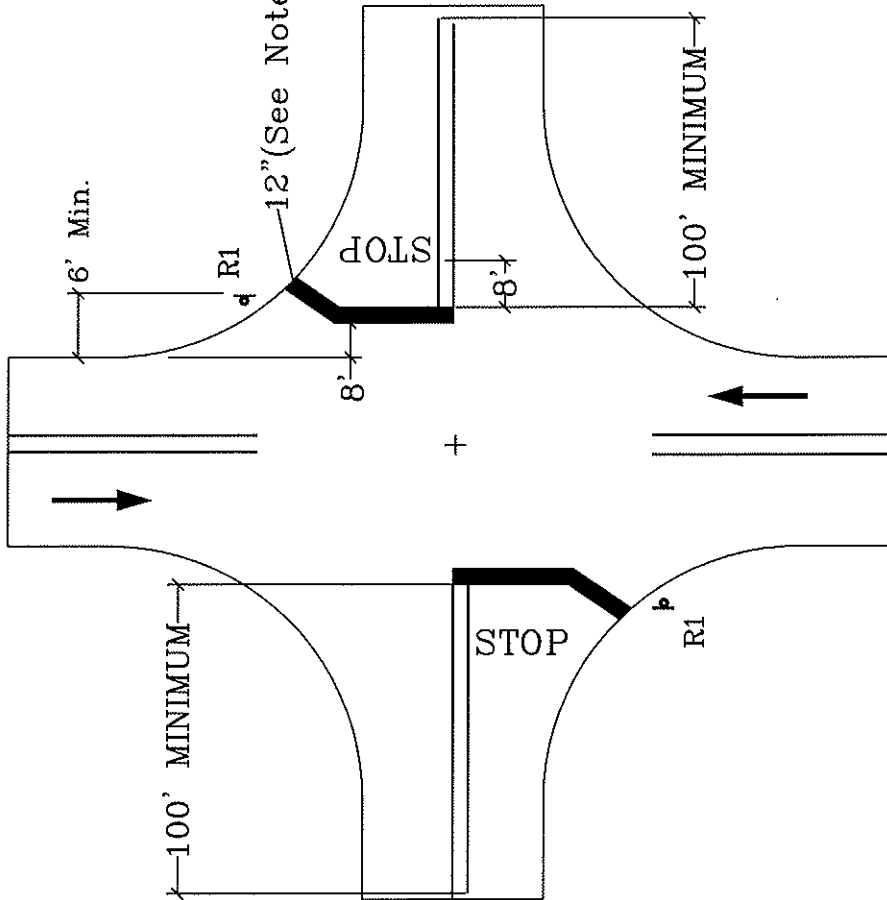
SCALE: N.T.S. DATE: 09/23/96 REV.: 03/03/97 ADOPT: 03/06/97

DRAWN BY: B. SELMAN APPROVED BY: RODERICK E. SCHUEER, P.E.

APPROVED BY: *Roderick E. Schueer* FILE NO. TURNOUT.DWG SHT 1 OF 1

NOTES:

1. A Limit Line shall be placed on paved approaches and a STOP pavement legend should be placed on all but minor approaches to County Roads.
2. The Limit Line should be located to indicate the point at which traffic is required to stop.
3. The Limit Line on wide side roads or lone radius corners may be bent at a $45^\circ \pm$ angle for traffic facilities on adjacent property are the responsibility of the permittee.
4. If STOP AHEAD (W17A) sign is used, pavement legends may be placed adjacent to the sign according to section 6-02.14 of Caltrans Traffic Manual.



AMADOR
COUNTY



PUBLIC WORKS AGENCY

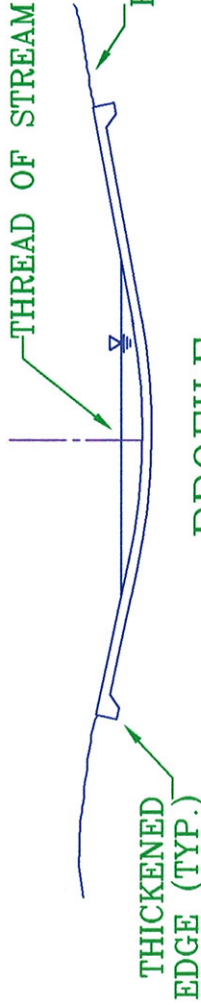
STANDARD STOP
BAR AND SIGN

STD. PLAN
PW-14

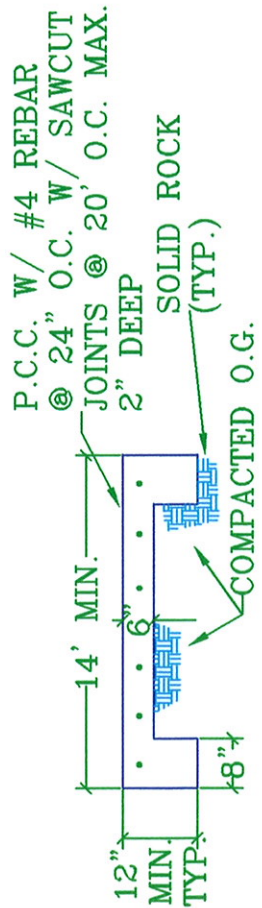
SCALE: N.T.S. DATE: 10/31/95 REV.: 1/11/08 by WMS ADOPT: 03/06/97

DRAWN BY: B. SELMAN APPROVED BY: LARRY S. PETERSON, P.E.

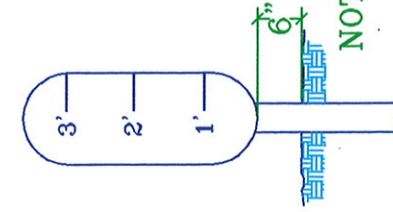
CHECKED BY: Larry S. Peterson FILE NO. STOPSIN.DWG
LARRY S. PETERSON, P.E. SHT 1 OF 1



PROFILE

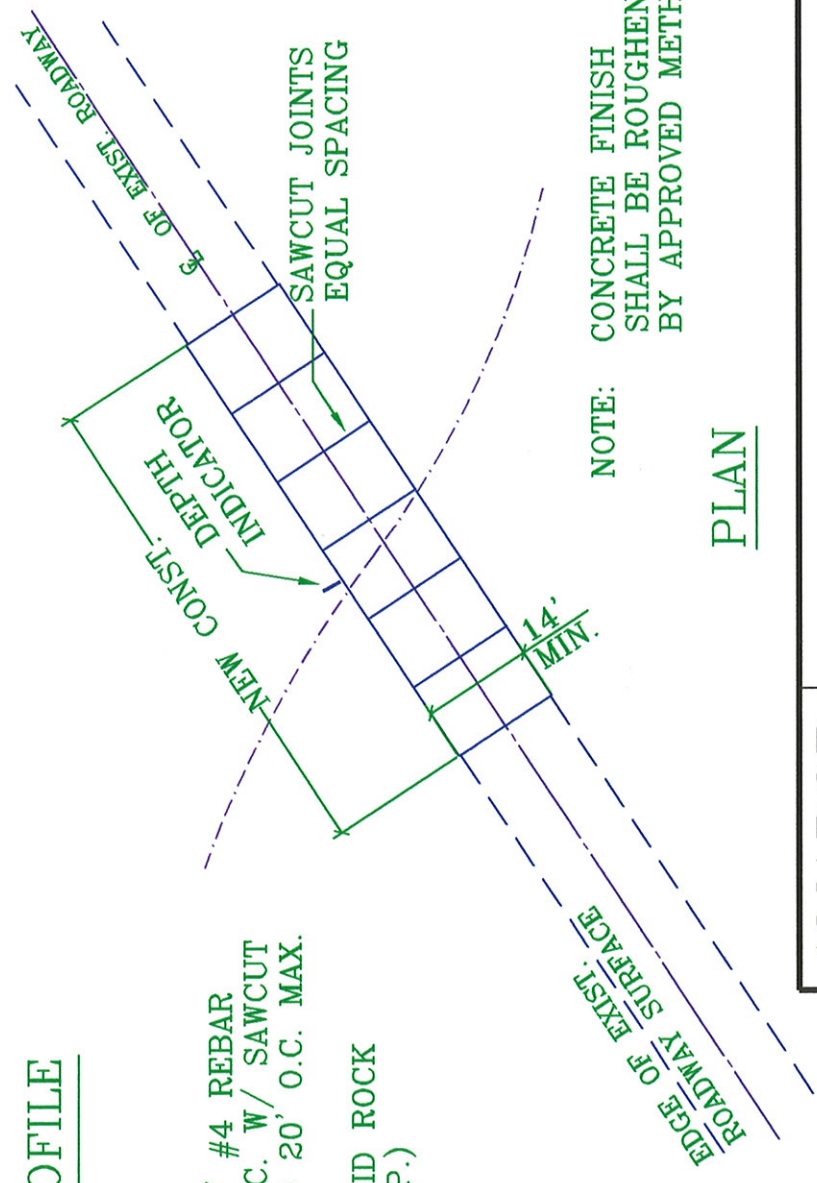


SECTION



NOTE: BOTH SIDES TO BE MARKED

DEPTH INDICATOR



NOTE: CONCRETE FINISH SHALL BE ROUGHENED BY APPROVED METHOD.

PLAN

AMADOR COUNTY



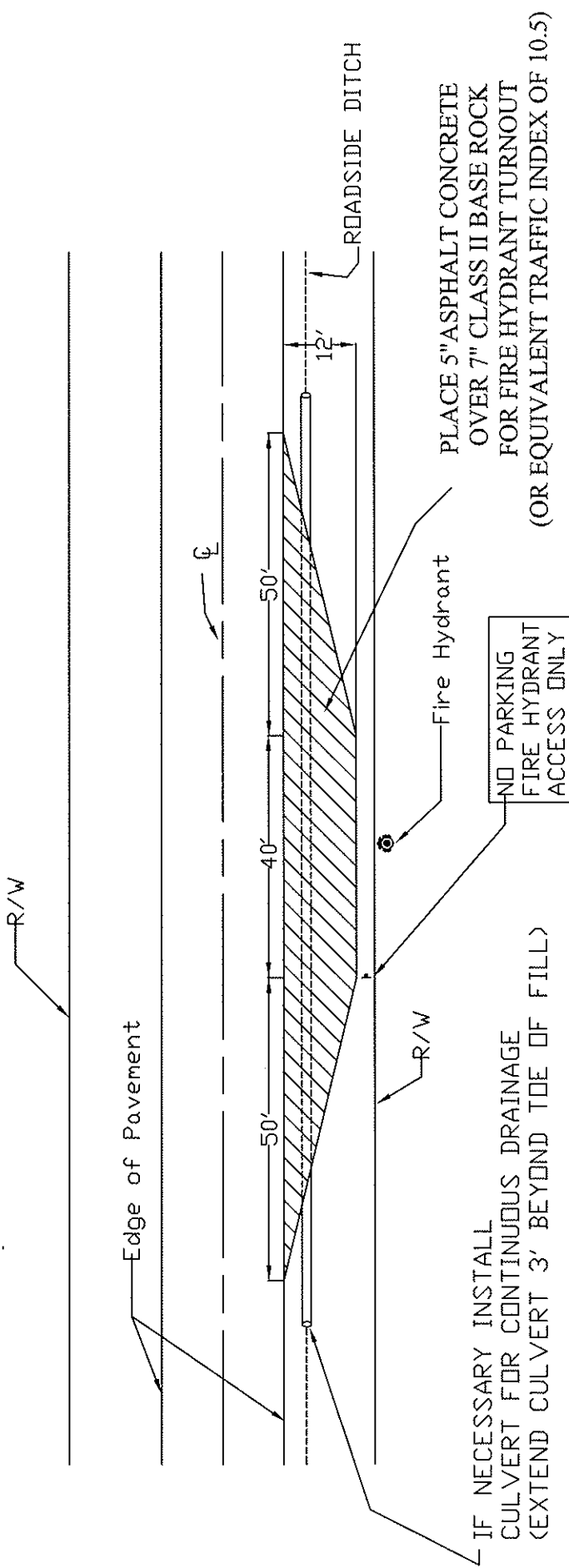
PUBLIC WORKS AGENCY

STANDARD FOR LOW WATER CROSSING PW-15

STD. PLAN

SCALE: N.T.S.	DATE: 2/13/97	REV: 03/03/97	ADOPT: 03/06/97
DRAWN BY: B. SELMAN	APPROVED BY: RODERICK E. SCHÜLLER, P.E.		FILE NO. LOWWAIR.DWG.
CHECKED BY: M. PRICE	<i>Roderick E. Schuller</i>		SHT 1 OF 1

FIRE HYDRANT PULL OUT ZONE



NOTE: For more information, see PW-16A

PLAN VIEW

AMADOR
COUNTY



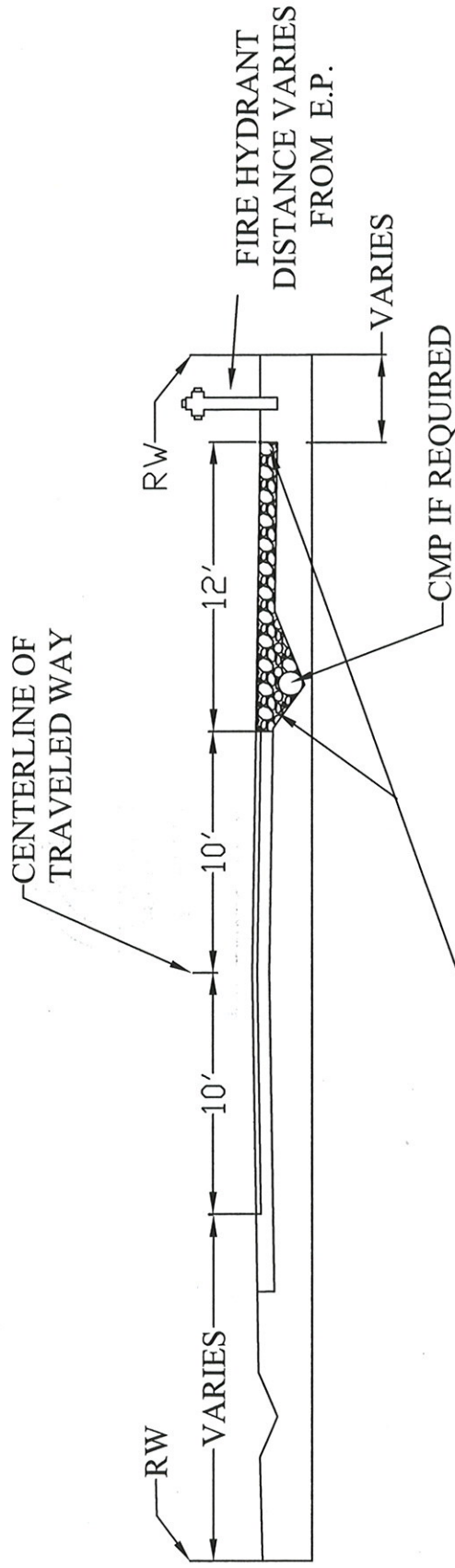
PUBLIC WORKS AGENCY

STANDARD FOR
FIRE HYDRANT TURNOUT

STD. PLAN
PW-16B

SCALE: N.T.S.	DATE: 4/15/04	REV: 7/17/07	ADOPT:
DRAWN BY: B. SMILEY	APPROVED BY: <i>Larry S. Peterson</i>	FILE NO. PW-16Bfirehydranturnout.DWG	
REVIEWED BY: L. PETERSON	LARRY S. PETERSON, P.E. DIRECTOR OF PUBLIC WORKS	SHT 1	OF 2

FIRE HYDRANT PULL OUT ZONE



PLACE 5" ASPHALT CONCRETE
OVER 7" CLASS II BASE ROCK
FOR FIRE HYDRANT TURNOUT
(OR EQUIVALENT TRAFFIC INDEX OF 10.5)

NOTE: For more information, see PW-16B

CROSS SECTION

AMADOR
COUNTY



PUBLIC WORKS AGENCY

STANDARD CROSS SECTION FOR
FIRE HYDRANT TURNOUT

STD. PLAN
PW-16A

SCALE: N.T.S. DATE: 4/15/04 REV: 7/17/07 ADOPT:

DRAWN BY: B. SMILEY APPROVED BY: *Larry S. Peterson* FILE NO. PW-16A Firehydrantcross.dwg

REVIEWED BY: L. PETERSON LARRY S. PETERSON, P.E. DIRECTOR OF PUBLIC WORKS SHT 2 OF 2