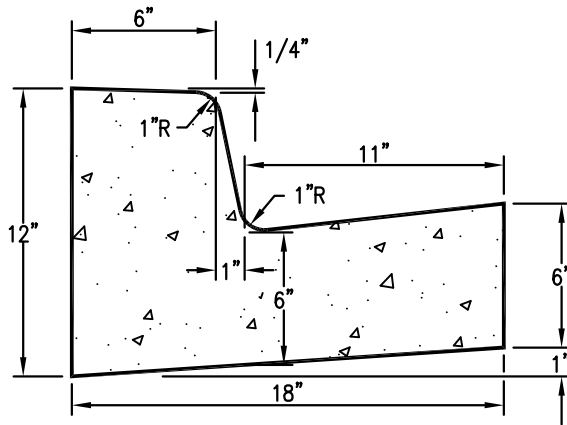
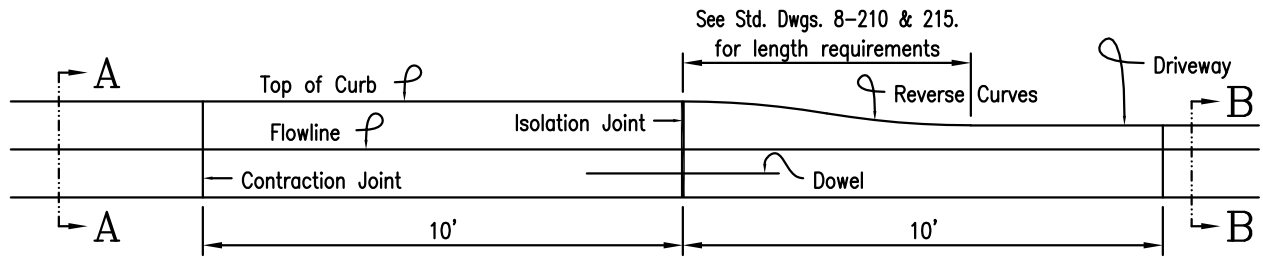
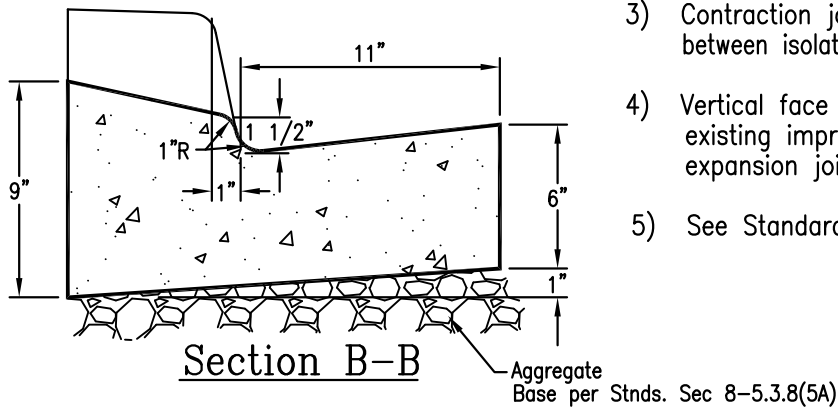
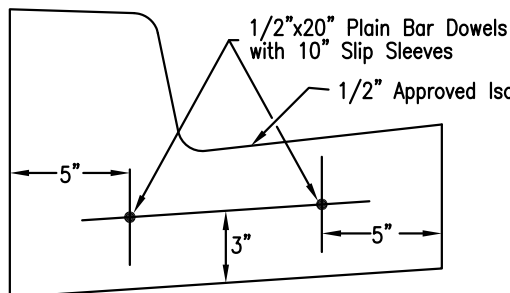




Section A-A



Section B-B



Dowel Placement - Isolation Joint

GENERAL NOTES:

Concrete work to be constructed of 4000 psi, six sack concrete (compressive strength at 28 days) using materials and requirements as indicated in A.P.W.A., Division 213, with selections noted below.

- 1) Admixtures:
 - a) Air Entrainment: 5%-6%
 - b) Other Admixtures: None, unless by written approval received from the City prior to its use.
- 2) Curing Materials: Must be used, with the method approved by the City prior to its use.
- 3) Contraction joints to be provided on 10' centers between isolation joints. (1/8" width & 2" depth min.)
- 4) Vertical face saw cut is required for removal of existing improvements. Remove curb to nearest expansion joint.
- 5) See Standard Drawing 8-245.

CITY OF KLAMATH FALLS

STANDARD TYPE A CURB

Date Revision:

3 3/10 5th EDITION

2 6/06 4th EDITION

1 6/04 2nd EDITION

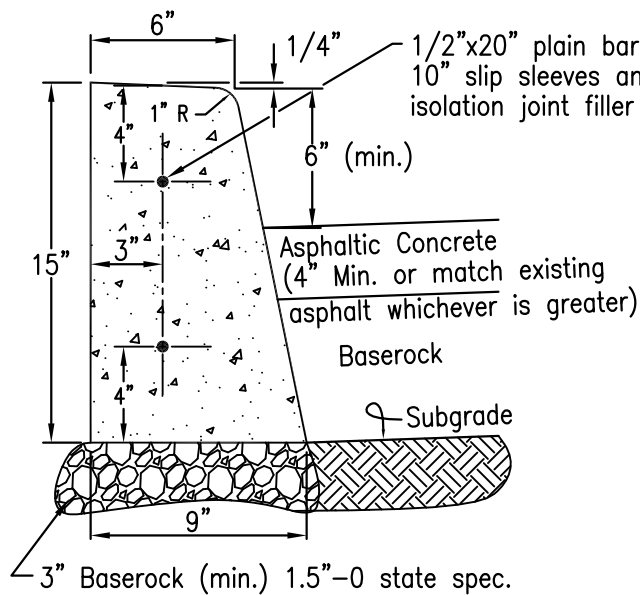
Approved By: Don Wilcox

Drwn. By: GDG

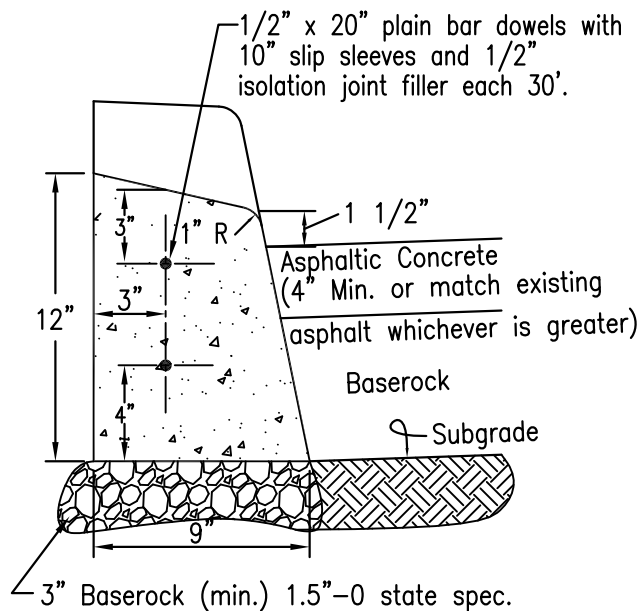
Date: 1/2002

Drwg. No.: **8-100**





TYPE "B" CURB



DRIVEWAY SECTION

GENERAL NOTES:

Concrete work to be constructed of 4000 psi, six sack concrete (compressive strength at 28 days) using materials and requirements as indicated in A.P.W.A., Division 213, with selections noted below.

- 1) Admixtures:
 - a) Air Entrainment: 5%-6%
 - b) Other Admixtures: None, unless by written approval received from the City prior to its use.
- 2) Curing Materials: Must be used, with the method approved by the City prior to its use.
- 3) Contraction joints to be provided on 10' centers between isolation joints. (1/8" width & 2" depth min.)
- 4) Saw cutting shall be required on curb removal or reconstruction, if limits of work do not terminate at an existing construction joint.
- 5) Vertical faced saw cut is required for removal of existing improvements. remove curb to the nearest expansion joint.

CITY OF KLAMATH FALLS

STANDARD TYPE B CURB

FOR RECONSTRUCTION/REPLACEMENT PURPOSES ONLY

Approved By: Don Wilcox

Drwn. By: GDG

Date: 1/2002

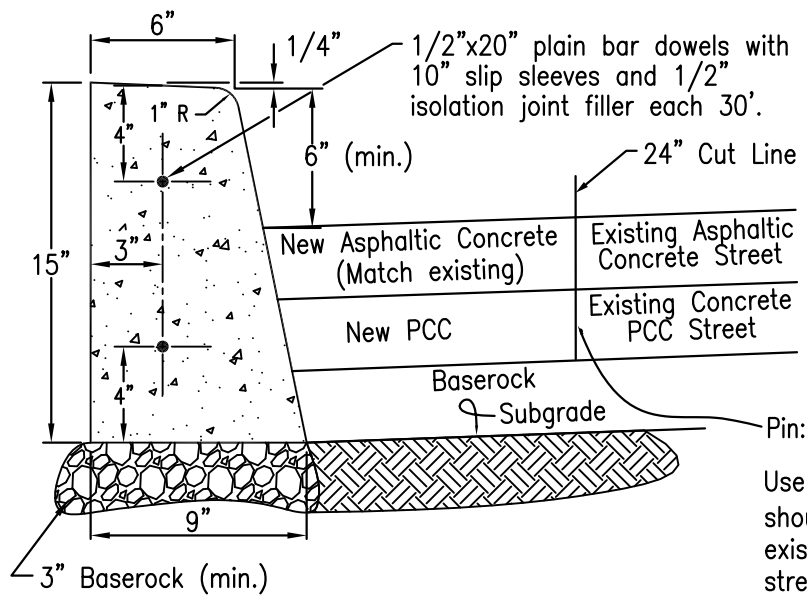
Drwg. No.: **8-105**

Date Revision:

3 3/10 5th EDITION

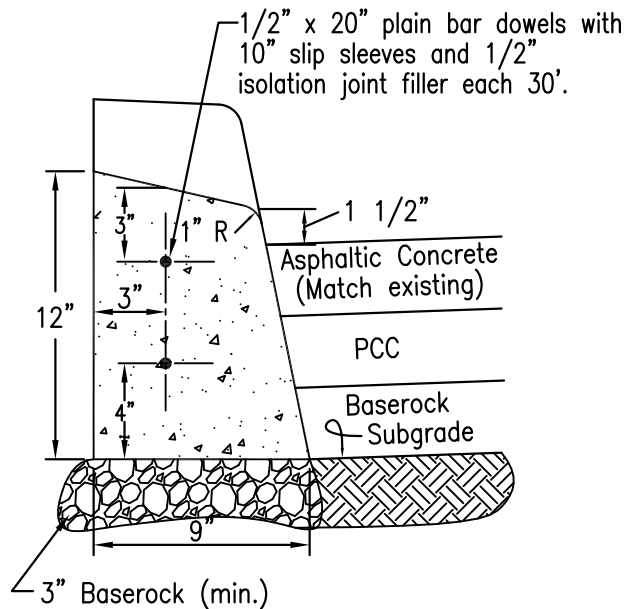
2 6/06 4th EDITION

1 6/04 2nd EDITION



TYPE "B" CURB

Use #4 rebar spaced 24" on center. Rebar should be 27"-28" in length with 10"-12" into existing PCC Street and remainder into new PCC street section and curb. New PCC street section and curb will be poured monolithic.



DRIVEWAY SECTION

GENERAL NOTES:

Concrete work to be constructed of 4000 psi, six sack concrete (compressive strength at 28 days) using materials and requirements as indicated in A.P.W.A., Division 213, with selections noted below.

- 1) Admixtures:
 - a) Air Entrainment: 5%-6%
 - b) Other Admixtures: None, unless by written approval received from the City prior to its use.
- 2) Curing Materials: Must be used, with the method approved by the City prior to its use.
- 3) Contraction joints to be provided on 10' centers between isolation joints. (1/8" width & 2" depth min.)
- 4) Saw cutting shall be required on curb removal or reconstruction, if limits of work do not terminate at an existing construction joint.
- 5) Vertical faced saw cut is required for removal of existing improvements. remove curb to the nearest expansion joint.

CITY OF KLAMATH FALLS

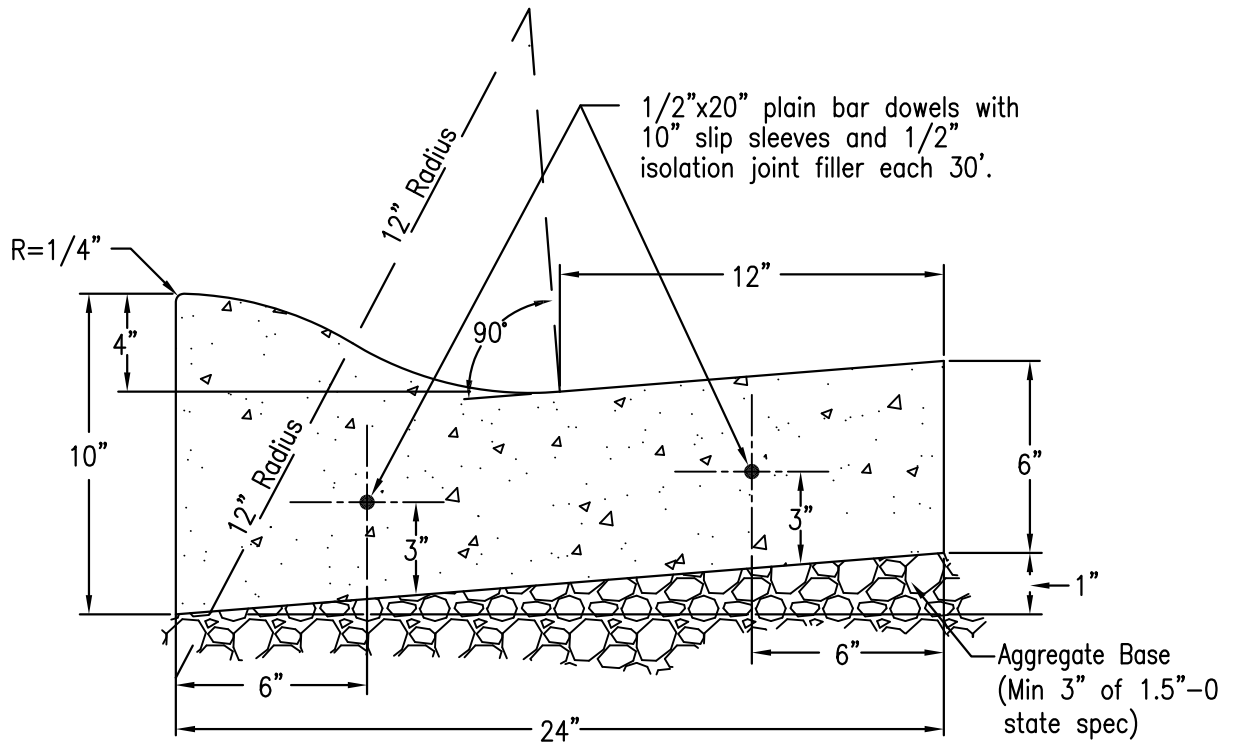
MK	Date	Revision:
1	3/10	5th EDITION

STANDARD TYPE B CURB

FOR RECONSTRUCTION/REPLACEMENT PURPOSES ONLY

Approved By: Don Wilcox

Drwn. By: GDG
 Date: 1/2002
 Drwg. No.: **8-105a**



GENERAL NOTES:

Concrete work to be constructed of 4000 psi, six sack concrete (compressive strength at 28 days) using materials and requirements as indicated in A.P.W.A., Division 213, with selections noted below.

- 1) Admixtures:
 - a) Air Entrainment: 5%-6%
 - b) Other Admixtures: None, unless by written approval received from the City prior to its use.
- 2) Curing Materials: Must be used, with the method approved by the City prior to its use.
- 3) Contraction joints to be provided on 10' centers between isolation joints. (1/8" width & 2" depth min.)
- 4) Vertical faced saw cut is required for removal of existing improvements. Remove curb to the nearest expansion joint.
- 5) See Drawing No. 8-245.
- 6) Curb height will remain uniform throughout the project. In areas where the contractor is contiguous with an existing 3" (h) curb, that curb height will be the standard used throughout the project uniformly.

CITY OF KLAMATH FALLS

STANDARD TYPE C CURB

FOR RECONSTRUCTION/REPLACEMENT PURPOSES ONLY

Approved By: Don Wilcox

Drwn. By: GDG

Date: 1/2002

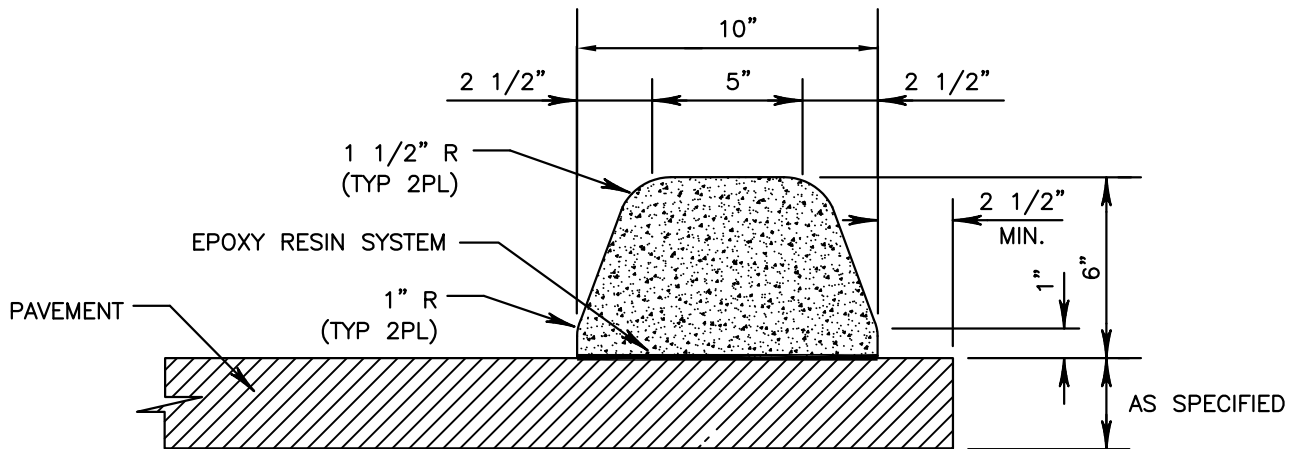
Drwg. No.: **8-110**

Date Revision:

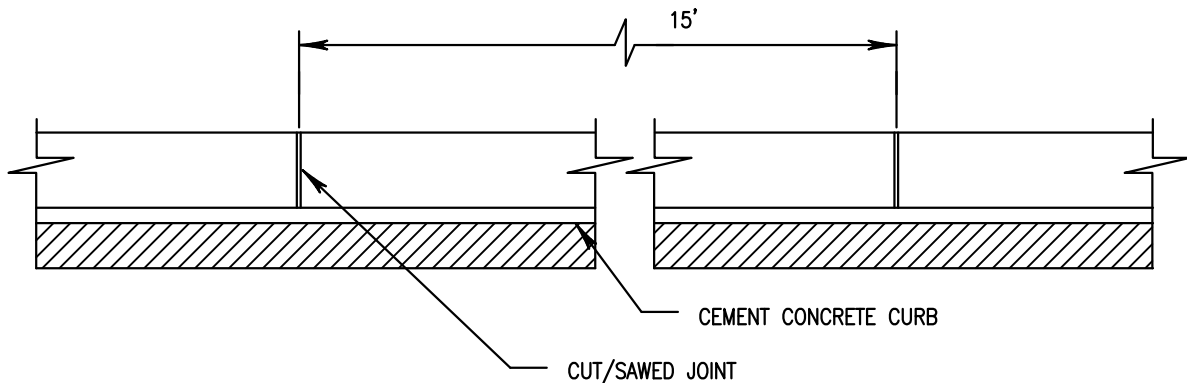
3 3/10 5th EDITION

2 6/06 4th EDITION

1 6/04 2nd EDITION



EXTRUDED CEMENT CONCRETE CURB



SPACING OF JOINTS

NOTES:

1. DUMMY JOINTS SHALL BE PLACED NOT TO EXCEED 15' INTERVALS. "THRU" JOINTS SHALL BE PLACED ONLY AT POINTS OF TANGENCY ON STREET & ALLEY RETURNS.
2. CONCRETE SHALL BE 4000 PSI, SIX SACK CONCRETE (COMPRESSIVE STRENGTH AT 28 DAYS) USING MATERIALS AND REQUIREMENTS INDICATED IN APWA, DIV. 213, WITH THE FOLLOWING SELECTIONS:
 - a) ADMIXTURES: AIR ENTRAINMENT=5%-6%; NO OTHER ADMIXTURES WITHOUT WRITTEN APPROVAL FROM THE CITY ENGINEERING PRIOR TO USE.
 - b) CURING MATERIALS MUST BE USED, WITH THE METHOD APPROVED BY THE CITY PRIOR TO USE.
3. CONCRETE CURBS SHALL BE ANCHORED TO THE EXISTING PAVEMENT BY USING AN ADHESIVE. FOR ACCEPTABLE ADHESIVES, REFER TO THE O.D.O.T. QUALIFIED PRODUCTS LIST FOR TYPE II EPOXY RESINS.

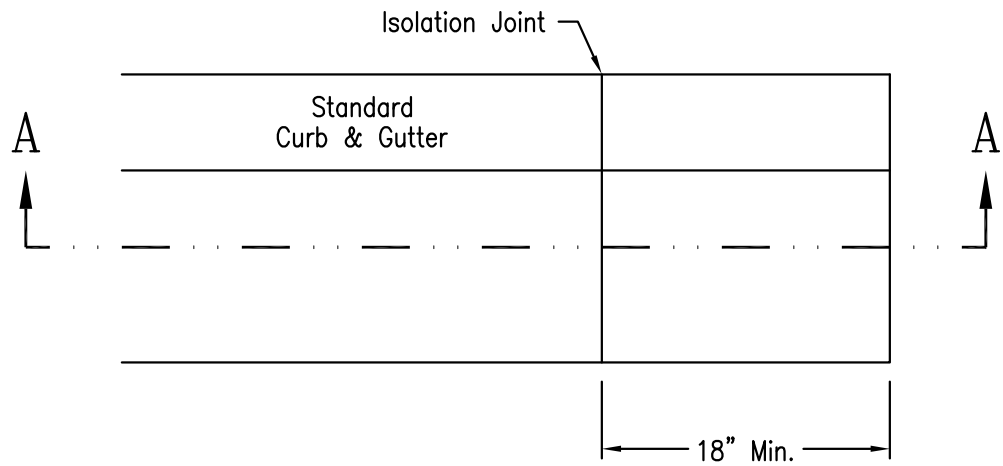
CITY OF KLAMATH FALLS

MK	Date	Revision:

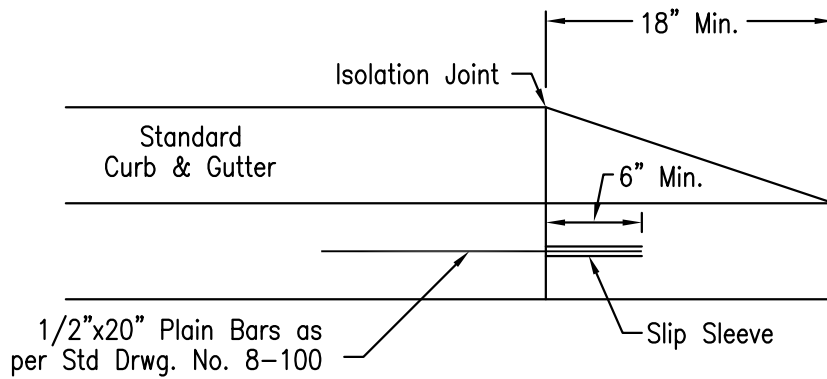
EXTRUDED PCC CURB

Approved By: Mike Kuenzi

Drwn. By: GDG
 Date: 1/2002
 Drwg. No.: **8-115**



PLAN VIEW



SECTION A-A

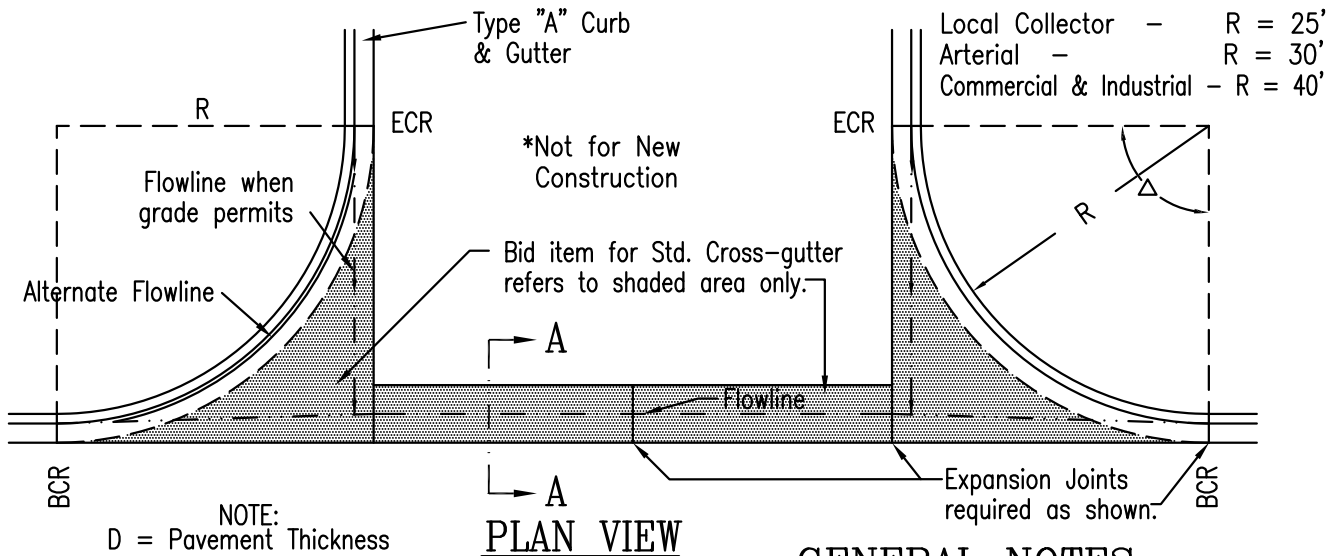
CITY OF KLAMATH FALLS

MK	Date	Revision:
1	6/06	4th EDITION

STANDARD CURB END

Approved By: *Mark Willrett*

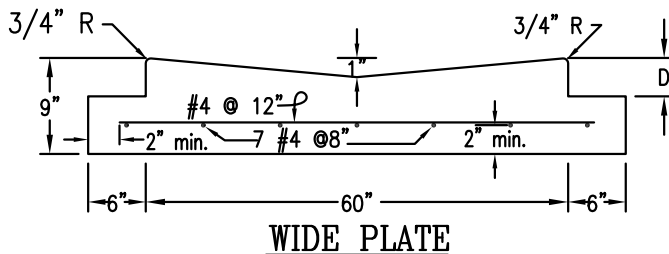
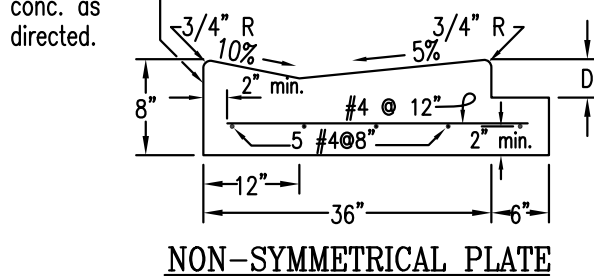
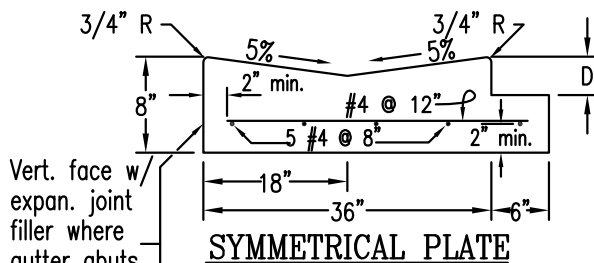
Drwn. By: GDG
 Date: 1/2002
 Drwg. No.: **8-120**



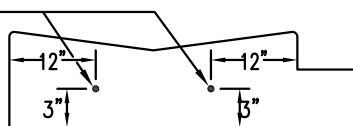
GENERAL NOTES:

Concrete work to be constructed of 4000 psi, six sack concrete (compressive strength at 28 days) using materials and requirements as indicated in ODOT/APWA Standards, with selections noted below.

- 1) Admixtures:
 - a) Air Entrainment: 5%-6%
 - b) Other Admixtures: None, unless by written approval received from the City prior to its use.
- 2) Curing Materials: Must be used, with the method approved by the City prior to its use.
- 3) Contraction joints to be provided on 10' centers between isolation joints. (1/8" width & 2" depth min.)
- 4) Saw cutting shall be required on curb removal or reconstruction, if limits of work do not terminate at an existing construction joint.
- 5) Isolation Joints: 1/2" isolation joint filler, precut to fit cross-section of gutter plate.
- 6) Reinforcing steel required in valley gutters only when used as part of commercial driveways or as specified.
- 7) Construct 6" bench monolithically with valley gutter to extend under paving for pavement support. When steel is required, extend reinforcing into bench.
- 8) When bench is not required, construct 1" batter face along street face of cross-gutter.
- 9) Total width of the non-symmetrical "V" gutter may be reduced to 30" when construction is done with a curb-extrusion machine.
- 10) All base will be compacted to 95%.
- 11) Valley of the cross gutter plate shall match the flowline of the gutter plate.



1/2"x36" plain bar dowels w/18" PVC Sch 40 sleeves.



ISOLATION JOINT DOWEL PLACEMENT

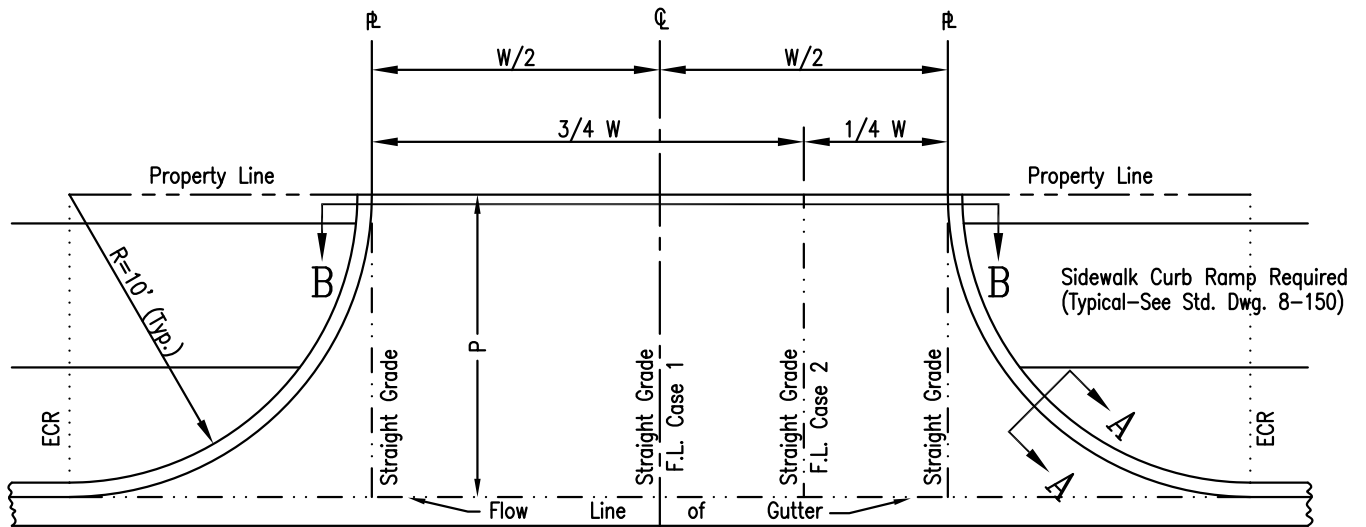
CITY OF KLAMATH FALLS

Date	Revision:
3/3/10	5th EDITION
2/6/06	4TH EDITION
1/6/04	2nd EDITION

STANDARD CROSS GUTTER REPLACEMENT/RECONSTRUCTION

Approved By: Don Wilcox

Drwn. By: GDG
 Date: 1/2002
 Drwg. No.: **8-125**



NOTES:

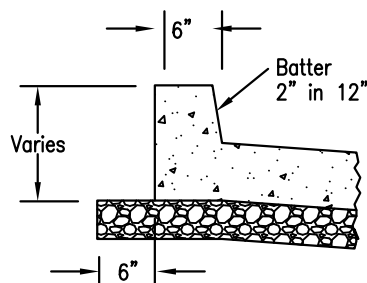
1. Curb Return radius is 10' to back of curb. When the distance from property line to curb is greater than 10', construct straight tangent from return end to prop. line.
2. Concrete work to be constructed of 4000 psi, six sack concrete (compressive strength at 28 days) using materials and requirements as indicated in ODOT/APWA Standards, with selections noted below.

a) Admixtures:

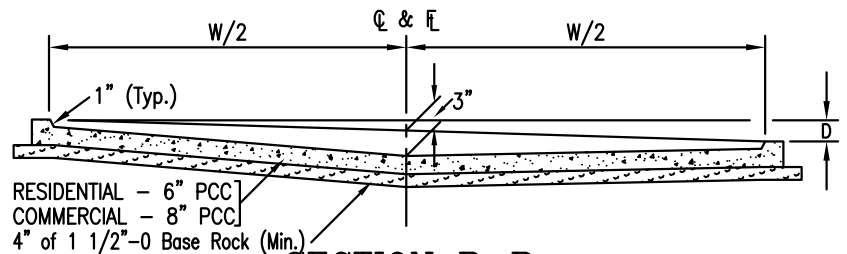
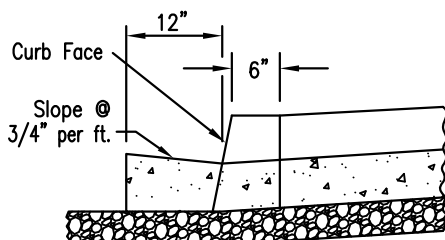
- 1) Air Entrainment: 5%-6%
- 2) Other Admixtures: None, unless by written approval received from the City prior to its use.

b) Curing Materials: Must be used, with the method approved by the City prior to its use.

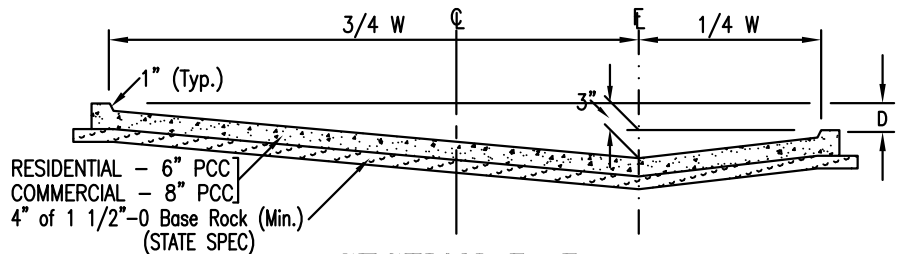
c) All base will be compacted to 95% of dry density per AASHTO T-99.



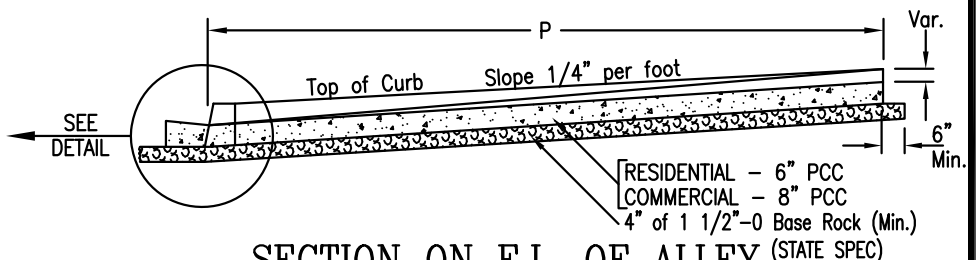
SECTION A-A



SECTION B-B
CASE 1 - D=4" or less



SECTION B-B
CASE 2 - D greater than 4"



SECTION ON F.L. OF ALLEY

CASE 1 or CASE 2

CITY OF KLAMATH FALLS

TYPICAL ALLEY INTERSECTION

Date Revision:

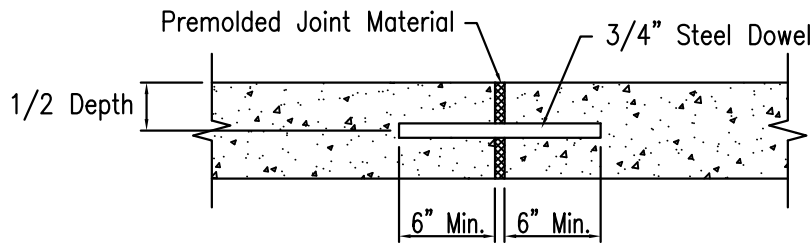
2	3/10	5th EDITION
1	6/04	2nd EDITION

Approved By: Mike Kuenzi

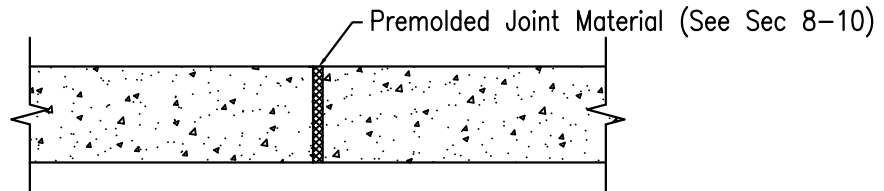
Drwn. By: GDG

Date: 1/2002

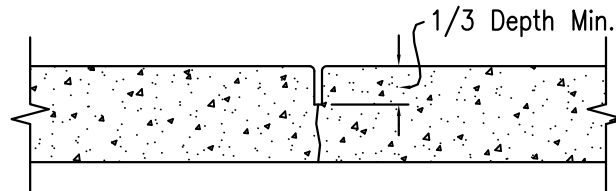
Drwg. No.: **8-130**



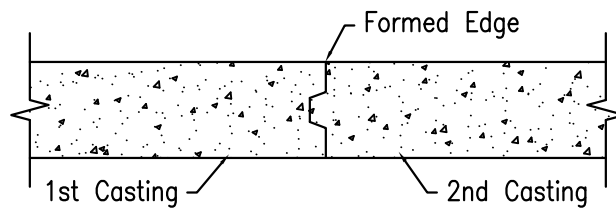
Typical Isolation Joint with Dowel



Typical Isolation Joint without Dowel



Typical Contraction/Deep Tooled Joint

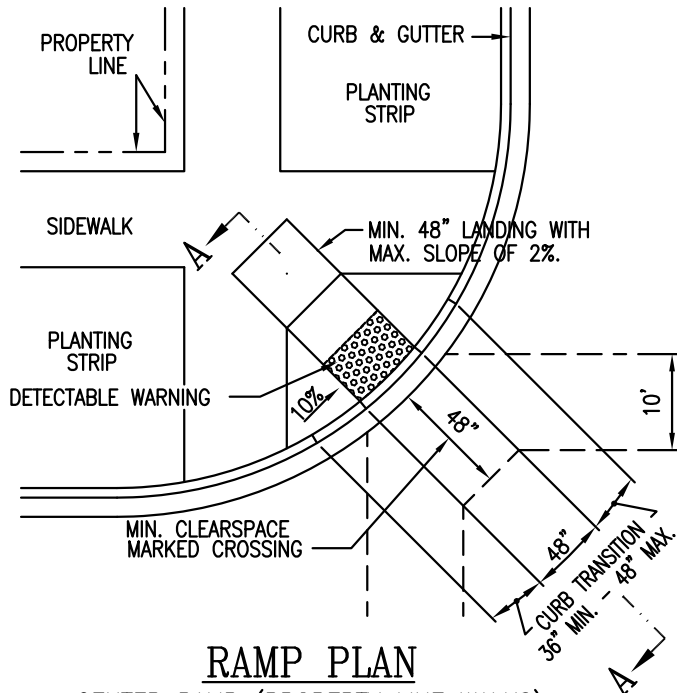


Construction Joint

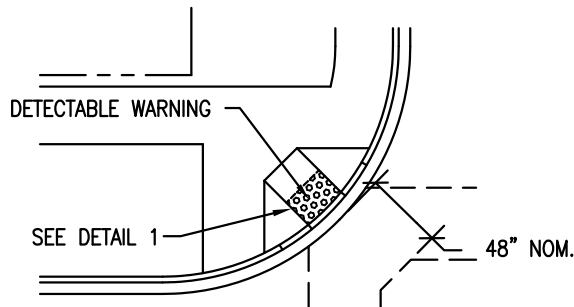
NOTE: Saw cut joints will not be permitted.

CITY OF KLAMATH FALLS

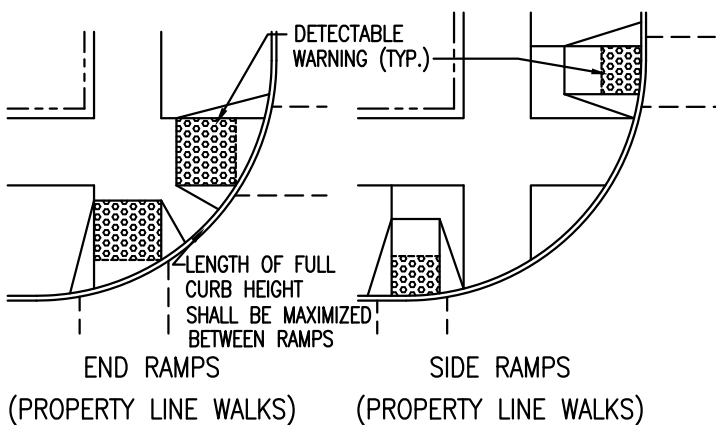
Date	Revision:	CONCRETE JOINTS	Drwn. By: GDG
			Date: 1/2002
			Drwg. No.: 8-135
1	3/10 5th EDITION		Approved By: <u>Don Wilcox</u>



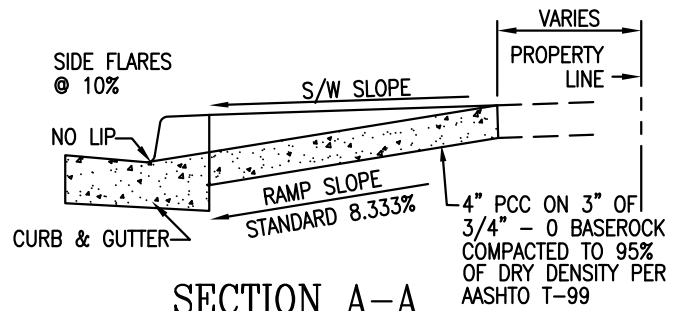
RAMP PLAN
CENTER RAMP (PROPERTY LINE WALKS)
(RECONSTRUCTION ONLY)



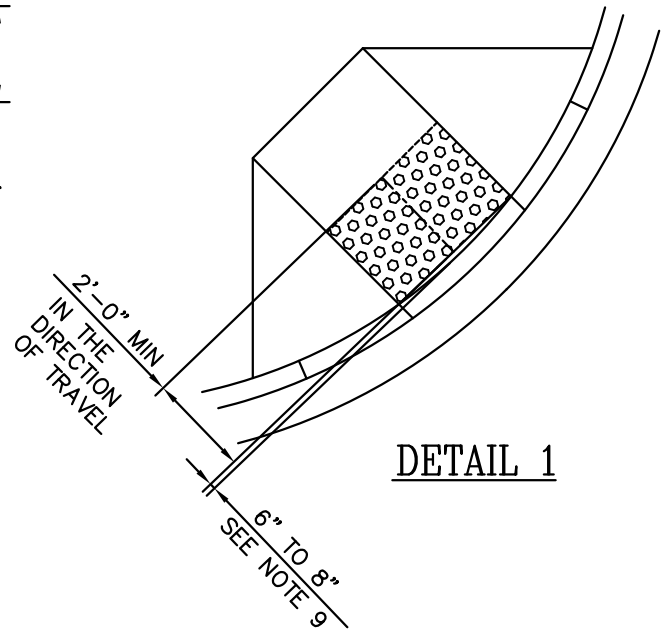
CENTER RAMP (CURB & PROPERTY LINE WALKS)
(RECONSTRUCTION ONLY)



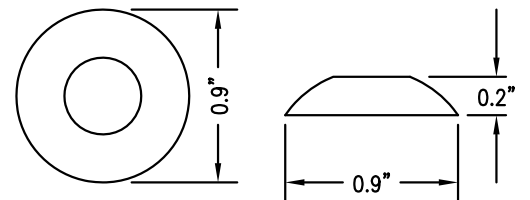
TYPICAL RAMP LOCATIONS



SECTION A-A



DETAIL 1



TRUNCATED DOME DETAIL

CITY OF KLAMATH FALLS

Date	Revision:
3/10	5th EDITION
6/06	4th EDITION
6/04	2nd EDITION

PUBLIC SIDEWALK CURB RAMPS NEW W/TYPE A OR RECONSTRUCTION W/TYPE B CURB

Approved By: **Don Wilcox**

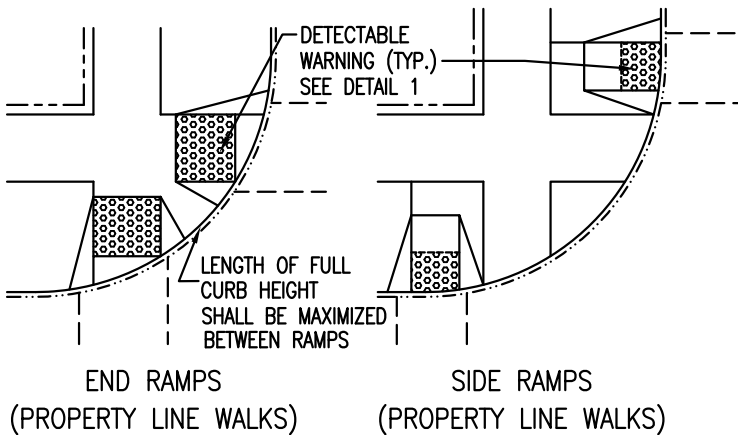
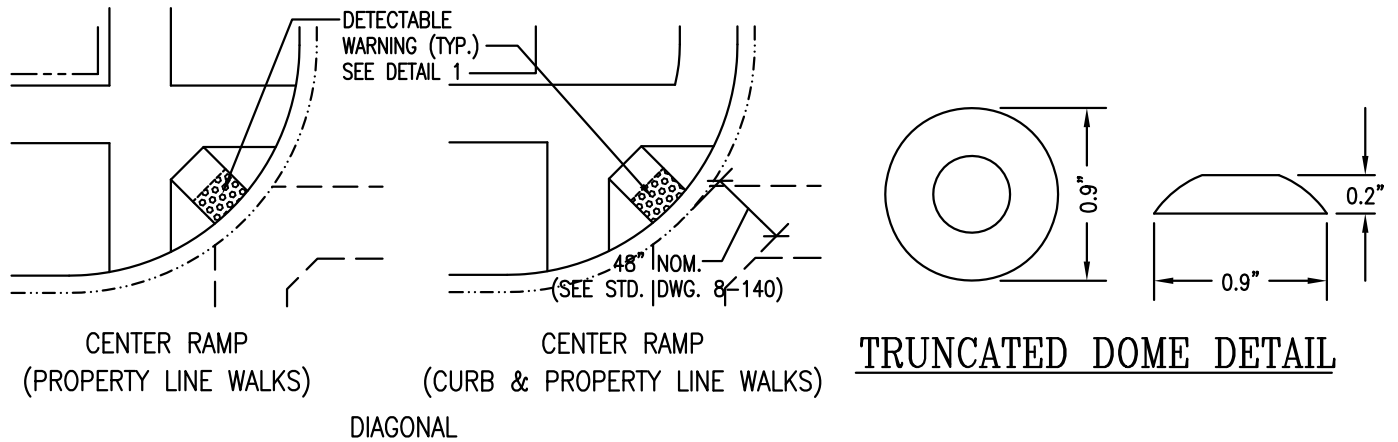
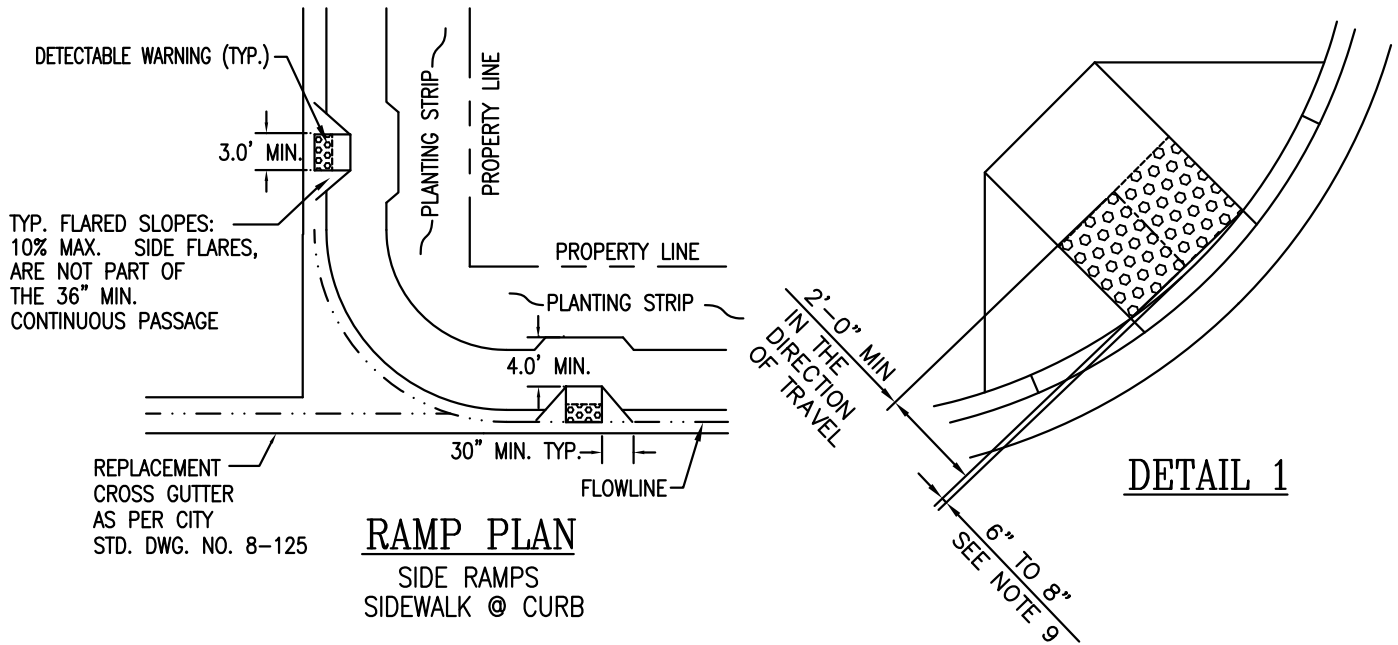
Drwn. By: GDG
Date: 1/2002
Drwg. No.: **8-140a**

CONSTRUCTION NOTES:

1. FOR CURB & GUTTER DETAILS, SEE STD. DWG. NOS. 8-100 & 8-105.
2. FOR SIDEWALK DETAILS, SEE STD. DRAWING NO. 8-215.
3. RAMP WIDTH SHALL BE AS SHOWN ON RAMP PLAN UNLESS INDICATED OTHERWISE ON PROJECT PLANS OR BY ENGINEER.
4. CONCRETE WORK TO BE CONSTRUCTED OF 4000 PSI (COMPRESSIVE STRENGTH AT 28 DAYS), SIX-SACK CONCRETE USING MATERIALS AND REQUIREMENTS AS INDICATED IN "ODOT/APWA STANDARD", WITH SELECTIONS NOTED BELOW:
 - A) ADMIXTURES:
 - 1) AIR ENTRAINMENT: 5% - 6%.
 - 2) OTHER ADMIXTURES: NONE, UNLESS BY WRITTEN APPROVAL RECEIVED FROM CITY PRIOR TO USE.
 - B) CURING MATERIALS MUST BE USED, WITH METHOD APPROVED BY THE CITY PRIOR TO ITS USE.
5. BASE MATERIAL SHALL BE 3" OF 3/4" - 0 CRUSHED AGGREGATE OR MATERIAL APPROVED BY THE CITY COMPACTED TO 95% OF DRY DENSITY PER AASHTO T-99
6. IF CENTER CURB RAMPS ARE PROVIDED AT MARKED CROSSINGS, THE 48" CLEAR SPACE SHALL BE WITHIN THE MARKINGS AS SHOWN ON THE RAMP PLANS.
7. EACH CURB RAMP SHALL HAVE A DETECTABLE WARNING COMPLYING WITH A.D.A. ACCESSIBILITY GUIDELINE 4.29.2. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH AND A 2 FT MINIMUM DEPTH IN THE DIRECTION OF TRAVEL. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCH, A HEIGHT OF NOMINAL 0.2 INCH AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES AND SHALL BE SAFETY YELLOW IN COLOR. DETECTABLE WARNINGS SHALL NOT BE FABRICATED FROM STAMPED CONCRETE. MATERIALS USED SHALL BE APPROVED BY THE CITY. PUBLIC SIDEWALK CURB RAMPS LOCATED IN THE DOWNTOWN BUSINESS DISTRICT SHALL REQUIRE A COLOR ADOPTED BY THE DOWNTOWN URBAN DEVELOPMENT ADVISORY COMMITTEE. THAT COLOR MAY BE DIFFERENT FROM SAFETY YELLOW AND MAY BE OBTAINED AT THE CITY PLANNING DEPARTMENT OFFICE.
8. NEW CONSTRUCTION INCLUDES INFILL, A NEW SUBDIVISION OR AN EXPANSION OF JURISDICTIONAL LIMITS TO INCORPORATE AS YET UNDEVELOPED LAND. TYPE "B" CURB IS FOR RECONSTRUCTION/REPLACEMENT ONLY.
9. MAT SHALL NOT BE CUT.
10. STANDARD RAMP SLOPE IS 8.333%
11. LATEST EDITION OF THE FEDERAL ADA GUIDELINES SHALL PREVAIL.

CITY OF KLAMATH FALLS

Date	Revision:	PUBLIC SIDEWALK CURB RAMPS NEW OR RECONSTRUCTION W/TYPE A OR B CURB	Drwn. By: WEM
			Date: 5/2006
2	3/10 5th EDITION		Drwg. No.: 8-140b
1	6/06 4th EDITION		Approved By: <u>Don Wilcox</u>



TYPICAL RAMP LOCATIONS
W/ OFFSET SIDEWALK

CITY OF KLAMATH FALLS

Date	Revision:
3/10	5th EDITION
6/06	4th EDITION
6/04	2nd EDITION

PUBLIC SIDEWALK CURB RAMPS RECONSTRUCTION W/TYPE C CURB

Approved By: **Don Wilcox**

Drwn. By: GDG
Date: 1/2002
Drwg. No.: **8-145a**

CONSTRUCTION NOTES:

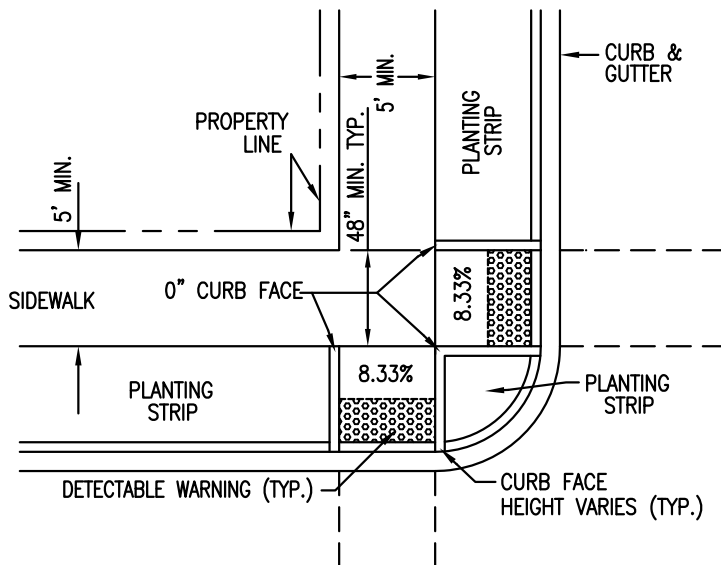
1. FOR CURB & GUTTER DETAILS, SEE STD. DWG. NOS. 8-100 & 8-105.
2. FOR SIDEWALK DETAILS, SEE STD. DRAWING NO. 8-215.
3. RAMP WIDTH SHALL BE AS SHOWN ON RAMP PLAN UNLESS INDICATED OTHERWISE ON PROJECT PLANS OR BY ENGINEER.
4. CONCRETE WORK TO BE CONSTRUCTED OF 4000 PSI (COMPRESSIVE STRENGTH AT 28 DAYS), SIX-SACK CONCRETE USING MATERIALS AND REQUIREMENTS AS INDICATED IN "ODOT/APWA STANDARD", WITH SELECTIONS NOTED BELOW:
 - A) ADMIXTURES:
 - 1) AIR ENTRAINMENT: 5% - 6%.
 - 2) OTHER ADMIXTURES: NONE, UNLESS BY WRITTEN APPROVAL RECEIVED FROM CITY PRIOR TO USE.
 - B) CURING MATERIALS MUST BE USED, WITH METHOD APPROVED BY THE CITY PRIOR TO ITS USE.
5. BASE MATERIAL SHALL BE 3" OF 3/4" - 0 CRUSHED AGGREGATE OR MATERIAL APPROVED BY THE CITY COMPACTED TO 95% OF DRY DENSITY PER AASHTO T-99.
6. IF CENTER CURB RAMPS ARE PROVIDED AT MARKED CROSSINGS, THE 48" CLEAR SPACE SHALL BE WITHIN THE MARKINGS AS SHOWN ON THE RAMP PLANS.
7. EACH CURB RAMP SHALL HAVE A DETECTABLE WARNING COMPLYING WITH A.D.A. ACCESSIBILITY GUIDELINE 4.29.2 THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH AND A 2 FT MINIMUM DEPTH IN THE DIRECTION OF TRAVEL. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCH, A HEIGHT OF NOMINAL 0.2 INCH AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES AND SHALL BE SAFETY YELLOW IN COLOR. DETECTABLE WARNINGS SHALL NOT BE FABRICATED FROM STAMPED CONCRETE. MATERIALS USED SHALL BE APPROVED BY THE CITY. PUBLIC SIDEWALK CURB RAMPS LOCATED IN THE DOWNTOWN BUSINESS DISTRICT SHALL REQUIRE A COLOR ADOPTED BY THE DOWNTOWN URBAN DEVELOPMENT ADVISORY COMMITTEE. THAT COLOR MAY BE DIFFERENT FROM SAFETY YELLOW AND MAY BE OBTAINED AT THE CITY PLANNING DEPARTMENT OFFICE.
8. NEW CONSTRUCTION INCLUDES INFILL, A NEW SUBDIVISION OR AN EXPANSION OF JURISDICTIONAL LIMITS TO INCORPORATE AS YET UNDEVELOPED LAND. REFER TO DRWG. 8-140a & 8-150 TYPE "A" FOR NEW CONSTRUCTION.
9. MAT SHALL NOT BE CUT.
10. STANDARD RAMP SLOPE IS 8.333%.
10. LATEST EDITION OF THE FEDERAL ADA GUIDELINES SHALL PREVAIL

CITY OF KLAMATH FALLS

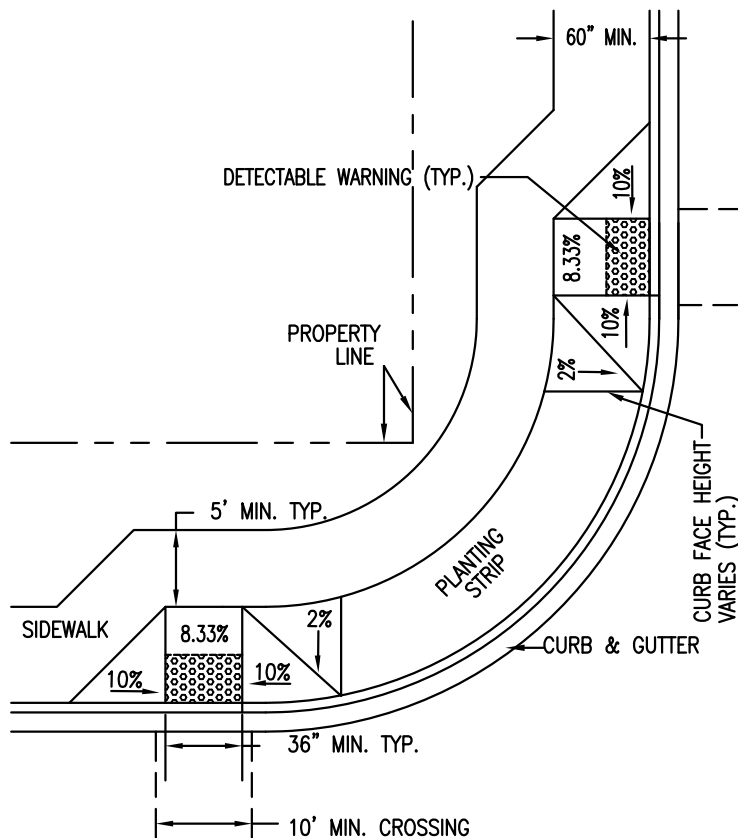
Date	Revision:	PUBLIC SIDEWALK CURB RAMPS RECONSTRUCTION W/TYPE C CURB	Drwn. By: WEM
			Date: 5/2006
2	3/10 5th EDITION		Drwg. No.: 8-145b
1	6/06 4th EDITION		Approved By: <u>Don Wilcox</u>

CONSTRUCTION NOTES:

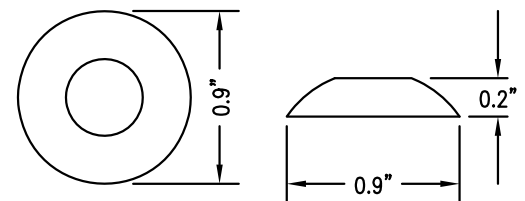
- FOR CURB & GUTTER DETAILS, SEE STD. DWG. NOS. 8-100 & 8-105.
- FOR SIDEWALK DETAILS, SEE STD. DRAWING NO. 8-215.
- RAMP WIDTH SHALL BE AS SHOWN ON RAMP PLAN UNLESS INDICATED OTHERWISE ON PROJECT PLANS OR BY ENGINEER.
- CONCRETE WORK TO BE CONSTRUCTED OF 4000 PSI (COMPRESSIVE STRENGTH AT 28 DAYS), SIX-SACK CONCRETE USING MATERIALS AND REQUIREMENTS AS INDICATED IN "ODOT/APWA STANDARDS", WITH SELECTIONS NOTED BELOW:
 - AD MIXTURES:
 - AIR ENTRAINMENT: 5% - 6%.
 - OTHER AD MIXTURES: NONE, UNLESS BY WRITTEN APPROVAL RECEIVED FROM CITY PRIOR TO USE.
 - CURING MATERIALS MUST BE USED, WITH METHOD APPROVED BY CITY PRIOR TO ITS USE.
- BASE MATERIAL SHALL BE 3" OF 3/4" - 0 CRUSHED AGGREGATE (OR MATERIAL APPROVED BY CITY) COMPACTED TO 95% OF DRY DENSITY PER AASHTO T-99.
- IF CENTER CURB RAMPS ARE PROVIDED AT MARKED CROSSINGS, THE 48" CLEAR SPACE SHALL BE WITHIN THE MARKINGS AS SHOWN ON THE RAMP PLAN.
- EACH CURB RAMP SHALL HAVE A DETECTABLE WARNING COMPLYING WITH A.D.A. ACCESSIBILITY GUIDELINE 4.29.2. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH AND A 2' MINIMUM DEPTH IN THE DIRECTION OF TRAVEL. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN., A HEIGHT OF NOMINAL 0.2 IN. AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN. MATERIALS USED SHALL BE APPROVED BY CITY. PUBLIC SIDEWALK CURB RAMPS LOCATED IN THE DOWNTOWN BUSINESS DISTRICT SHALL REQUIRE A COLOR ADOPTED BY THE DOWNTOWN URBAN REDEVELOPMENT ADVISORY COMMITTEE. THAT COLOR MAY BE DIFFERENT FROM SAFETY YELLOW AND MAY BE OBTAINED AT THE CITY PLANNING DEPARTMENT OFFICE.
- NEW CONSTRUCTION INCLUDES INFILL, A NEW SUBDIVISION, OR AN EXPANSION OF JURISDICTIONAL LIMITS TO INCORPORATE AS YET UNDEVELOPED LAND. TYPE "B" CURB IS FOR RECONSTRUCTION/REPLACEMENT ONLY.
- MAT SHALL NOT BE CUT.
- LATEST EDITION OF THE FEDERAL ADA GUIDELINES SHALL PREVAIL.



RAMP PLAN
SMALL RADIUS RETURNS



RAMP PLAN
LARGE RADIUS RETURNS



TRUNCATED DOME DETAIL

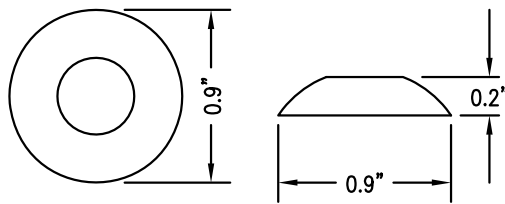
CITY OF KLAMATH FALLS

Date	Revision:
2	3/10 5th EDITION
1	6/04 2nd EDITION

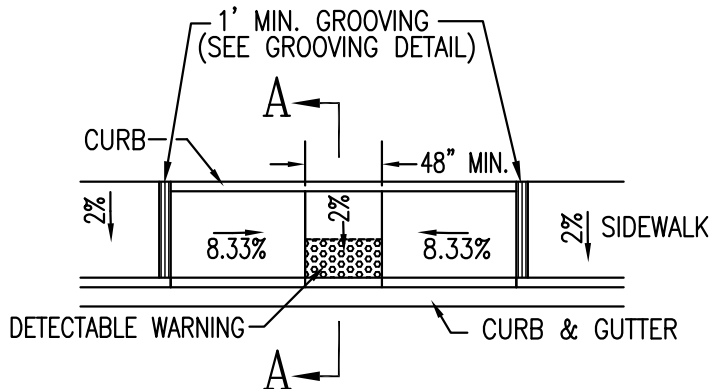
PUBLIC SIDEWALK CURB RAMPS TAPERED CURBS - TYPE A & B CURBS

Approved By: **Don Wilcox**

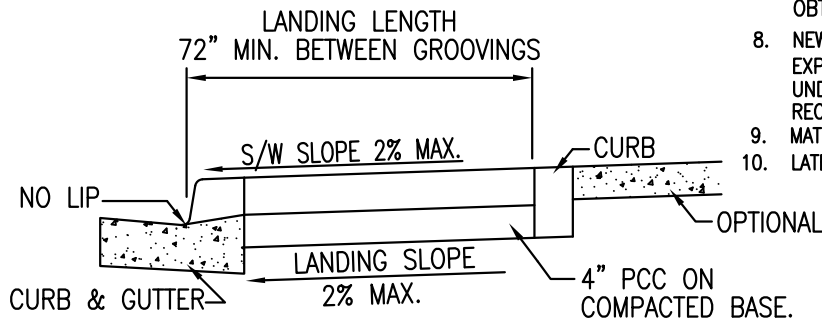
Drwn. By: GDG
Date: 1/2002
Drwg. No.: **8-150**



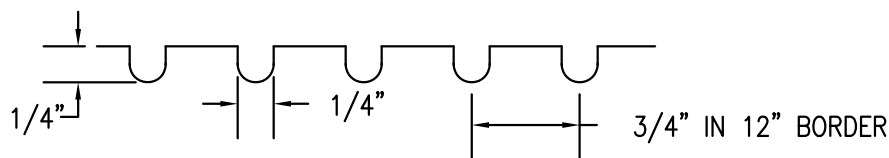
TRUNCATED DOME DETAIL



PARALLEL RAMP



SECTION A-A



GROOVING DETAIL

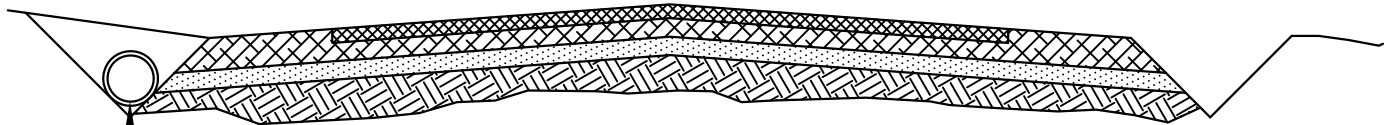
CONSTRUCTION NOTES:

- FOR CURB & GUTTER DETAILS, SEE STD. DWG. NOS. 8-100 & 8-105.
- FOR SIDEWALK DETAILS, SEE STD. DRAWING NO. 8-215.
- RAMP WIDTH SHALL BE AS SHOWN ON RAMP PLAN UNLESS INDICATED OTHERWISE ON PROJECT PLANS OR BY ENGINEER.
- CONCRETE WORK TO BE CONSTRUCTED OF 4000 PSI (COMPRESSIVE STRENGTH AT 28 DAYS), SIX-SACK CONCRETE USING MATERIALS AND REQUIREMENTS AS INDICATED IN "ODOT/APWA STANDARDS", WITH SELECTIONS NOTED BELOW:
 - ADMITTURES:
 - AIR ENTRAINMENT: 5% - 6%.
 - OTHER ADMIXTURES: NONE, UNLESS BY WRITTEN APPROVAL RECEIVED FROM CITY PRIOR TO USE.
 - CURING MATERIALS MUST BE USED, WITH METHOD APPROVED BY CITY PRIOR TO ITS USE.
- BASE MATERIAL SHALL BE 3" OF 3/4" - 0 CRUSHED AGGREGATE (OR MATERIAL APPROVED BY CITY) COMPACTED TO 95% OF DRY DENSITY PER AASHTO T-99.
- IF CENTER CURB RAMPS ARE PROVIDED AT MARKED CROSSINGS, THE 48" CLEAR SPACE SHALL BE WITHIN THE MARKINGS AS SHOWN ON THE RAMP PLAN.
- EACH CURB RAMP SHALL HAVE A DETECTABLE WARNING COMPLYING WITH A.D.A. ACCESSIBILITY GUIDELINE 4.29.2. THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH AND A 2' MINIMUM DEPTH IN THE DIRECTION OF TRAVEL. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN., A HEIGHT OF NOMINAL 0.2 IN. AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN. AND SHALL BE SAFETY YELLOW IN COLOR. DETECTABLE WARNINGS SHALL NOT BE FABRICATED FROM STAMPED CONC. MATERIALS USED SHALL BE APPROVED BY CITY. PUBLIC SIDEWALK CURB RAMPS LOCATED IN THE DOWNTOWN BUSINESS DISTRICT SHALL REQUIRE A COLOR ADOPTED BY THE DOWNTOWN URBAN REDEVELOPMENT ADVISORY COMMITTEE. THAT COLOR MAY BE DIFFERENT FROM SAFETY YELLOW AND MAY BE OBTAINED AT THE CITY PLANNING DEPARTMENT OFFICE.
- NEW CONSTRUCTION INCLUDES INFILL, A NEW SUBDIVISION, OR AN EXPANSION OF JURISDICTIONAL LIMITS TO INCORPORATE AS YET UNDEVELOPED LAND. TYPE "B" CURB IS FOR RECONSTRUCTION/REPLACEMENT ONLY.
- MAT SHALL NOT BE CUT.
- LATEST EDITION OF FEDERAL ADA GUIDELINES SHALL PREVAIL.

CITY OF KLAMATH FALLS

Date	Revision:	PUBLIC SIDEWALK CURB RAMPS PARALLEL RAMPS W/TYPE A OR B CURB	Drwn. By:	GDG
3	3/10		Date:	1/2002
2	6/06		Drwg. No.:	8-155
1	6/04		Approved By:	<i>Don Wilcox</i>

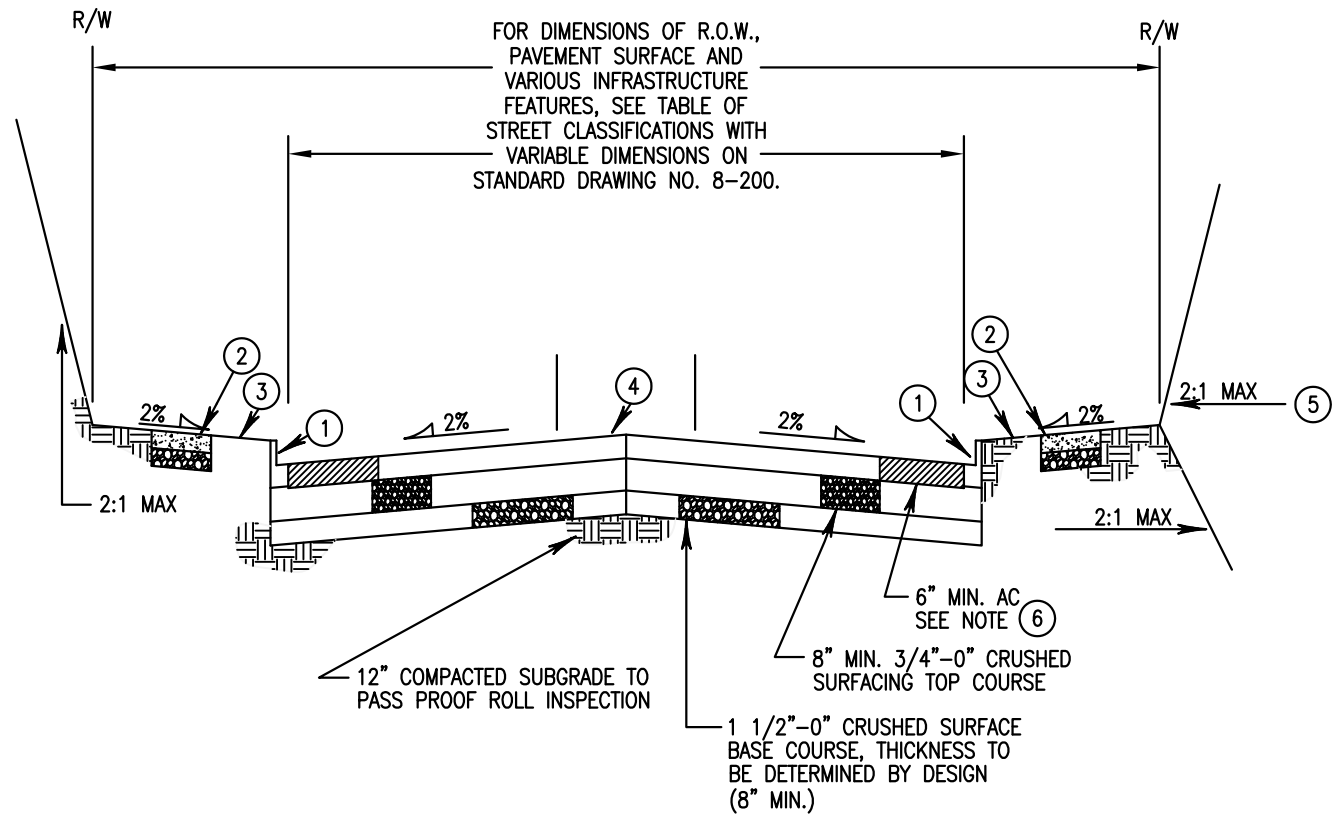
ASPHALT SURFACE PER MIN STREET STANDARD



A 12-INCH MINIMUM PIPE IS REQUIRED UNDER ALL DRIVEWAYS. COVER OVER PIPE SHALL CONFORM TO THE PIPE MANUFACTURER'S RECOMMENDATIONS. INSTALL REINFORCED CONCRETE, GALVANIZED CORRUGATED STEEL PIPE OR CORRUGATED ALUMINUM PIPE PER MANUFACTURER'S SPECIFICATIONS. SEE SECTION 4-13:6.1.

CITY OF KLAMATH FALLS

Date	Revision:	PIPING OF DITCHLINE UNDER DRIVEWAYS ON SUBSTANDARD STREET	Drwn. By: GDG
			Date: 1/2002
2	3/10 5th EDITION		Drwg. No.: 8-160
1	6/06 4th EDITION	Approved By: <u><i>Don Wilcox</i></u>	



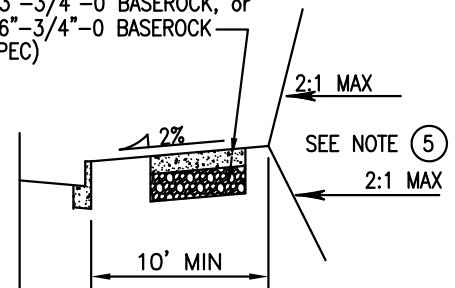
STANDARD PAVEMENT SECTION

NOTE: FOR SUBGRADE, ROCK AND A/C COMPACTION AND TESTING REQUIREMENTS, SEE STANDARD DRAWING NO. 8-200.

NOTES:

- (1) CONCRETE CURB AND GUTTER TYPE A, SEE STD DETAIL 8-100.
- (2) PCC SIDEWALK, SEE STD. DRWG. NO. 8-209.
- (3) PLANTER STRIP.
- (4) TURN LANE OR LANDSCAPED CENTER MEDIAN
- (5) SLOPE EASEMENTS MAY BE REQUIRED. (TYPICAL)
- (6) REFER TO SECT. 8-5.3.3 FOR STRUCTURAL REQS.

STRUCTURAL SECTION:
4" PCC, 3"-3/4"-0 BASEROCK, or
3" A/C, 6"-3/4"-0 BASEROCK
(STATE SPEC)



MULTIUSE PATH PAVEMENT SECTION

IF USED, REQUIRED BOTH SIDES

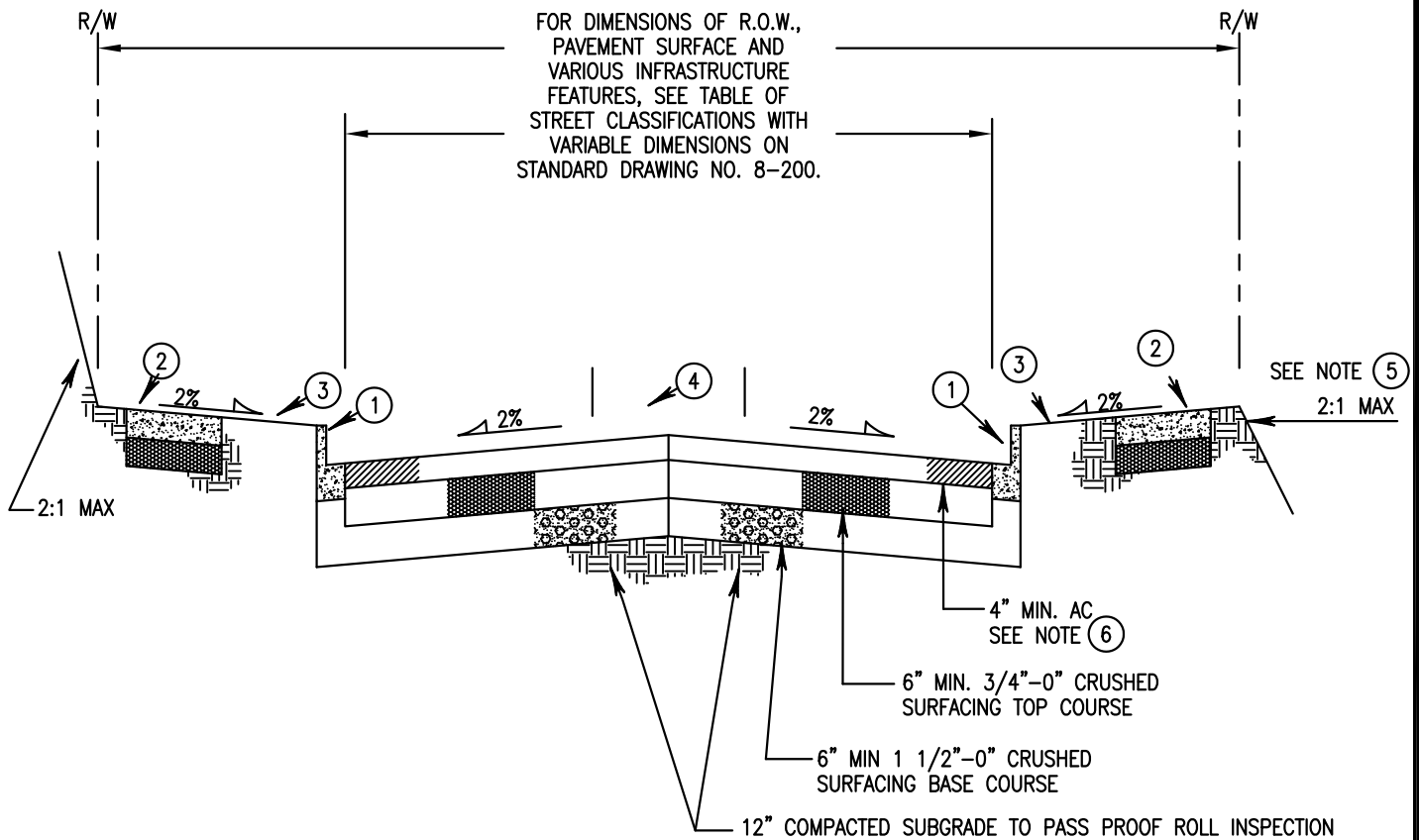
CITY OF KLAMATH FALLS

Date	Revision:
3/10	5th EDITION
6/06	4th EDITION
6/04	2nd EDITION

TYPICAL ROADWAY SECTION
ARTERIALS

Approved By: Don Wilcox

Drwn. By: GDG
Date: 1/2002
Drwg. No.: **8-165**



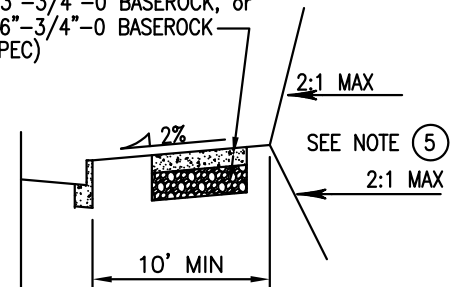
STANDARD PAVEMENT SECTION

NOTE: FOR SUBGRADE, ROCK AND A/C COMPACTION AND TESTING REQUIREMENTS, SEE STANDARD DRAWING NO. 8-200.

NOTES:

- (1) CONCRETE CURB AND GUTTER TYPE A, SEE STD DETAIL 8-100.
- (2) PCC SIDEWALK, SEE STD. DRWG. NO. 8-209.
- (3) PLANTER STRIP.
- (4) TURN LANE
- (5) SLOPE EASEMENTS MAY BE REQUIRED. (TYPICAL)
- (6) REFER TO SECT. 8-5.3.3 FOR STRUCTURAL REQS.

STRUCTURAL SECTION:
4" PCC, 3"-3/4"-0 BASEROCK, or
3" A/C, 6"-3/4"-0 BASEROCK
(STATE SPEC)



MULTIUSE PATH PAVEMENT SECTION

IF USED, REQUIRED BOTH SIDES

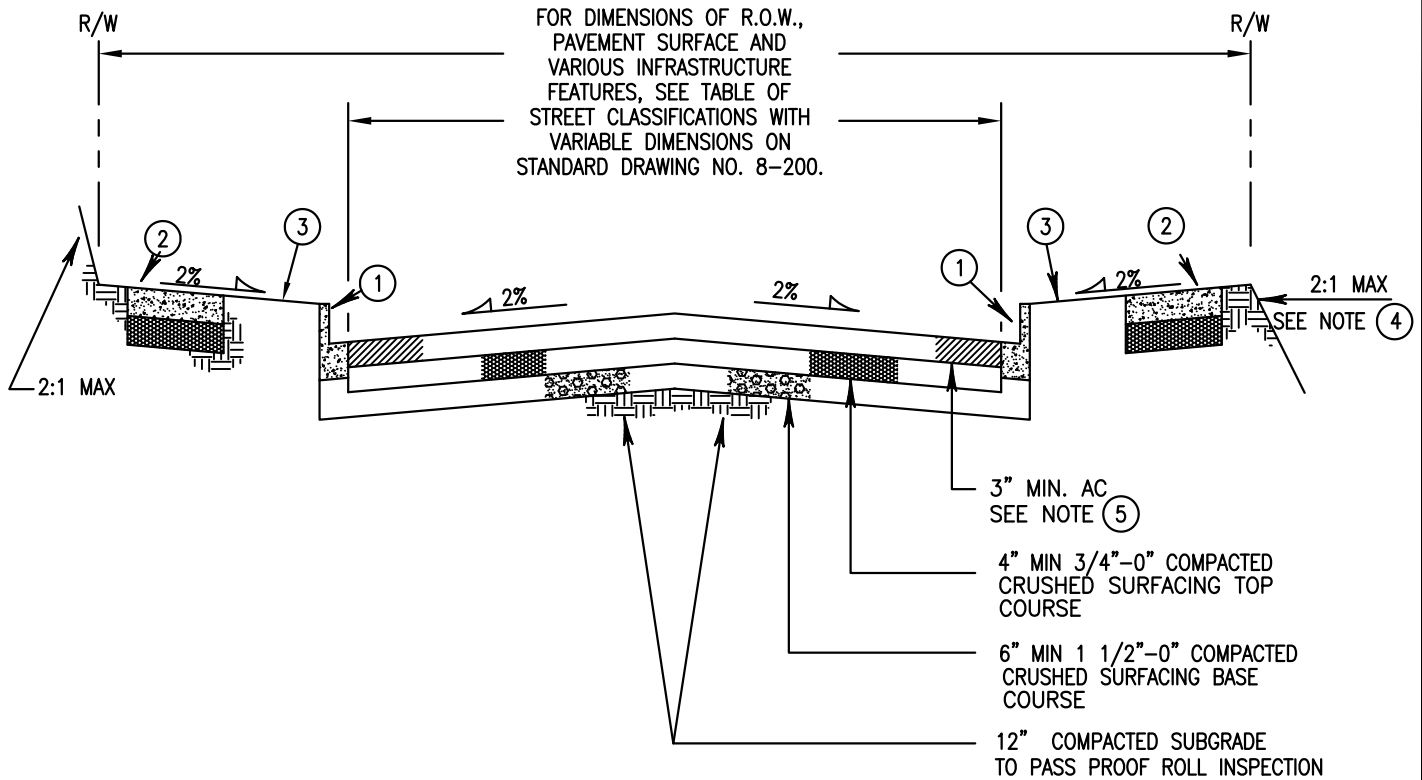
CITY OF KLAMATH FALLS

Date	Revision:
3/10	5th EDITION
2/06	4th EDITION
1/04	2nd EDITION

TYPICAL ROADWAY SECTION
MAJOR COLLECTOR

Approved By: Don Wilcox

Drwn. By: GDG
Date: 1/2002
Drwg. No.: **8-170**



STANDARD PAVEMENT SECTION

NOTE: FOR SUBGRADE, ROCK AND A/C COMPACTION AND TESTING REQUIREMENTS, SEE STANDARD DRAWING NO. 8-200.

NOTES:

- ① CONCRETE CURB AND GUTTER TYPE A,
SEE STD DETAIL 8-100.
- ② PCC SIDEWALK, SEE STD. DRWG. NO. 8-209.
- ③ PLANTER STRIP.
- ④ SLOPE EASEMENTS MAY BE REQUIRED. (TYPICAL)
- ⑤ REFER TO SECT. 8-5.3.3 FOR STRUCTURAL REQS.

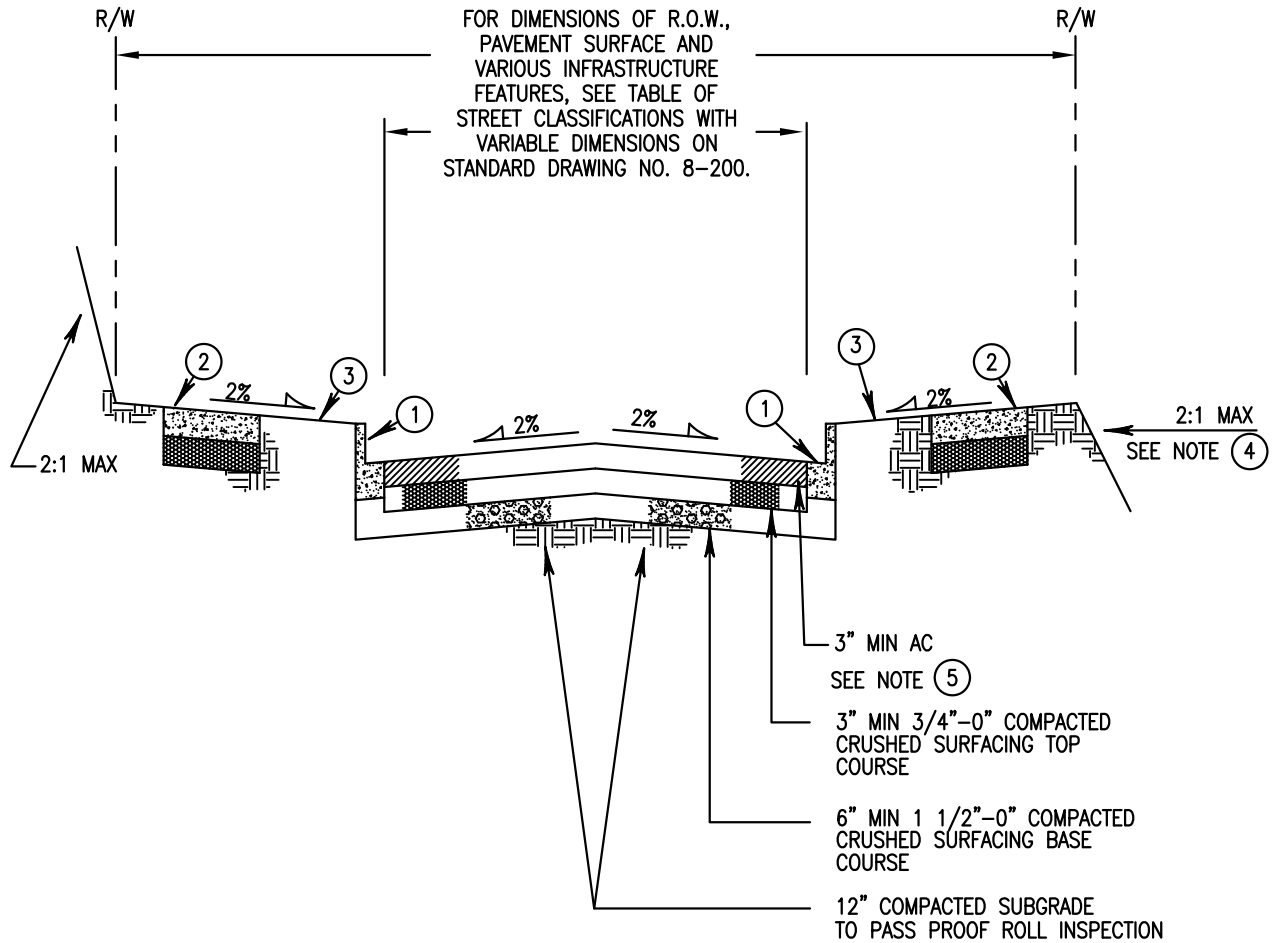
CITY OF KLAMATH FALLS

Date	Revision:
3/10	5th EDITION
2/06	4th EDITION
1/05	3rd EDITION

TYPICAL ROADWAY SECTION MINOR COLLECTOR

Approved By: Don Wilcox

Drwn. By: GDG
Date: 1/2002
Drwg. No.: **8-175**



STANDARD PAVEMENT SECTION

NOTE: FOR SUBGRADE, ROCK AND A/C COMPACTION AND TESTING REQUIREMENTS, SEE STANDARD DRAWING NO. 8-200.

NOTES:

- ① FOR CONCRETE CURB AND GUTTER, TYPE A, SEE STD. DWG. NO. 8-100.
- ② PCC SIDEWALK, SEE STD. DRWG. NO. 8-209.
- ③ PLANTER STRIP.
- ④ SLOPE EASEMENTS MAY BE REQUIRED. (TYPICAL)
- ⑤ REFER TO SECT. 8-5.3.3 FOR STRUCTURAL REQS.

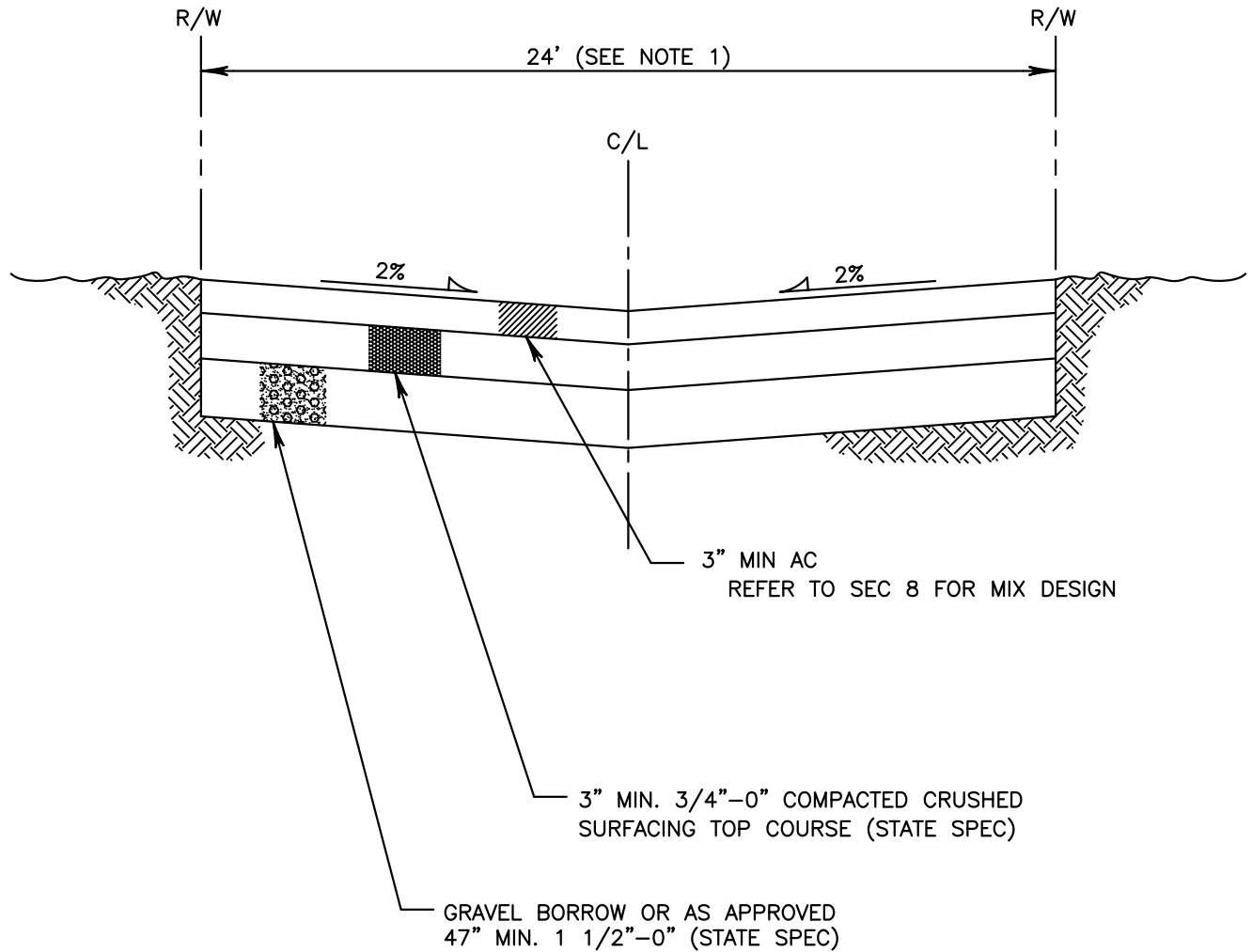
CITY OF KLAMATH FALLS

Date	Revision:
3/10	5th EDITION
6/06	4th EDITION
8/05	3rd EDITION

TYPICAL ROADWAY SECTION LOCAL STREET

Approved By: Don Wilcox

Drwn. By: GDG
Date: 1/2002
Drwg. No.: **8-180**

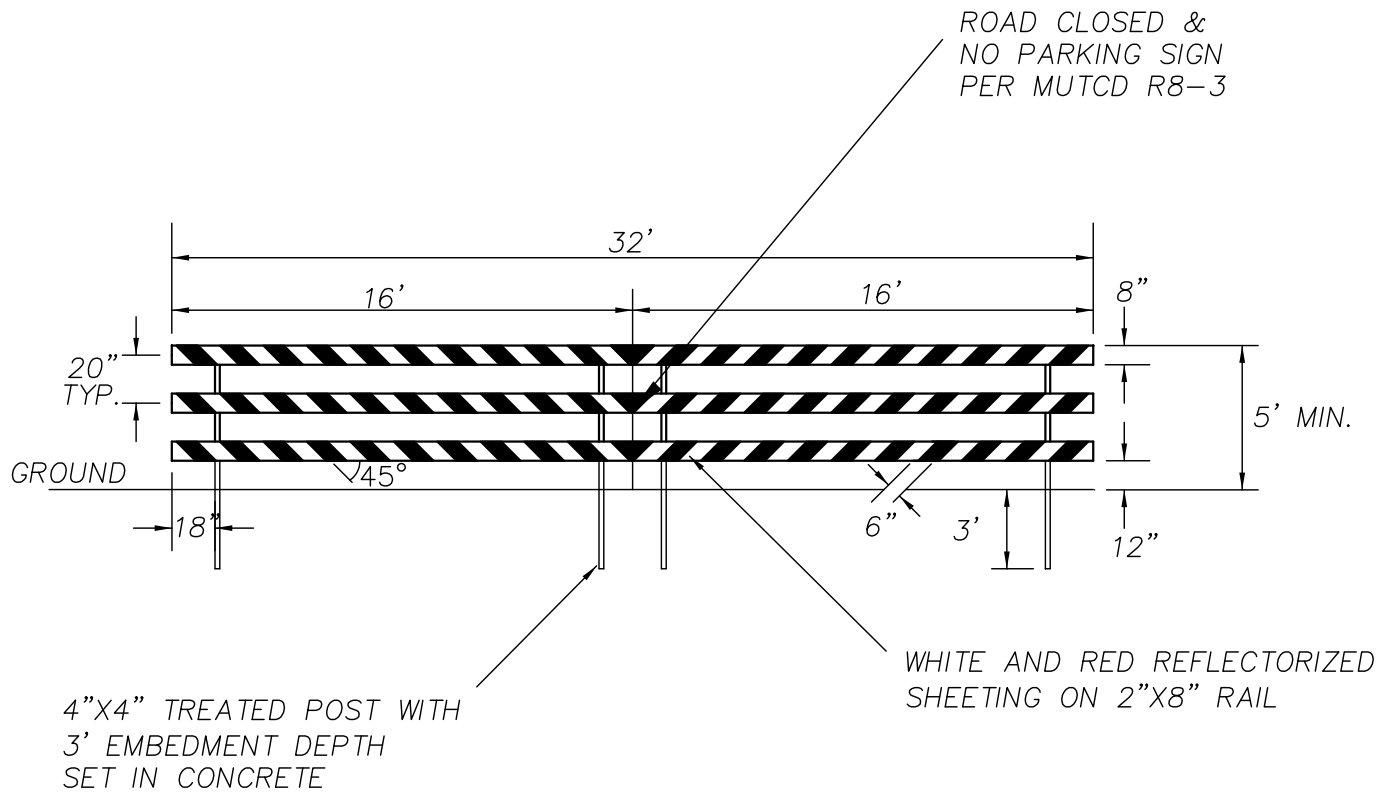


NOTES

1. DRAINAGE TO BE COLLECTED AT LOW END OF IMPROVED SECTION WITH CATCH BASIN CONNECTED TO STORM DRAINAGE SYSTEM.
2. FOR SUBGRADE, ROCK AND A/C COMPACTION AND TESTING REQUIREMENTS, SEE STANDARD DRAWING NO. 8-200.
3. ALL BASE ROCK WILL BE STATE SPEC.

CITY OF KLAMATH FALLS

Date	Revision:	TYPICAL ALLEY SECTION	Drwn. By: GDG
3	3/10 5th EDITION		Date: 1/2002
2	6/06 4th EDITION	Approved By: <u>Don Wilcox</u>	Drwg. No.: 8-185
1	6/04 2nd EDITION		



CITY OF KLAMATH FALLS

MK	Date	Revision:
1	3/10	5th EDITION

ROAD CLOSED BARRICADE

RESIDENTIAL (MINOR) STREET

Approved By: Don Wilcox

Drwn. By: JDH
Date: 2/2010
Drwg. No.: **8-187**



Drwn. By:	GDG
Date:	1/2002
Drwg. No.:	8-195

CITY OF KLAMATH FALLS

STREET CLASSIFICATIONS WITH VARIABLE DIMENSIONS

Approved By: Don Wilcox

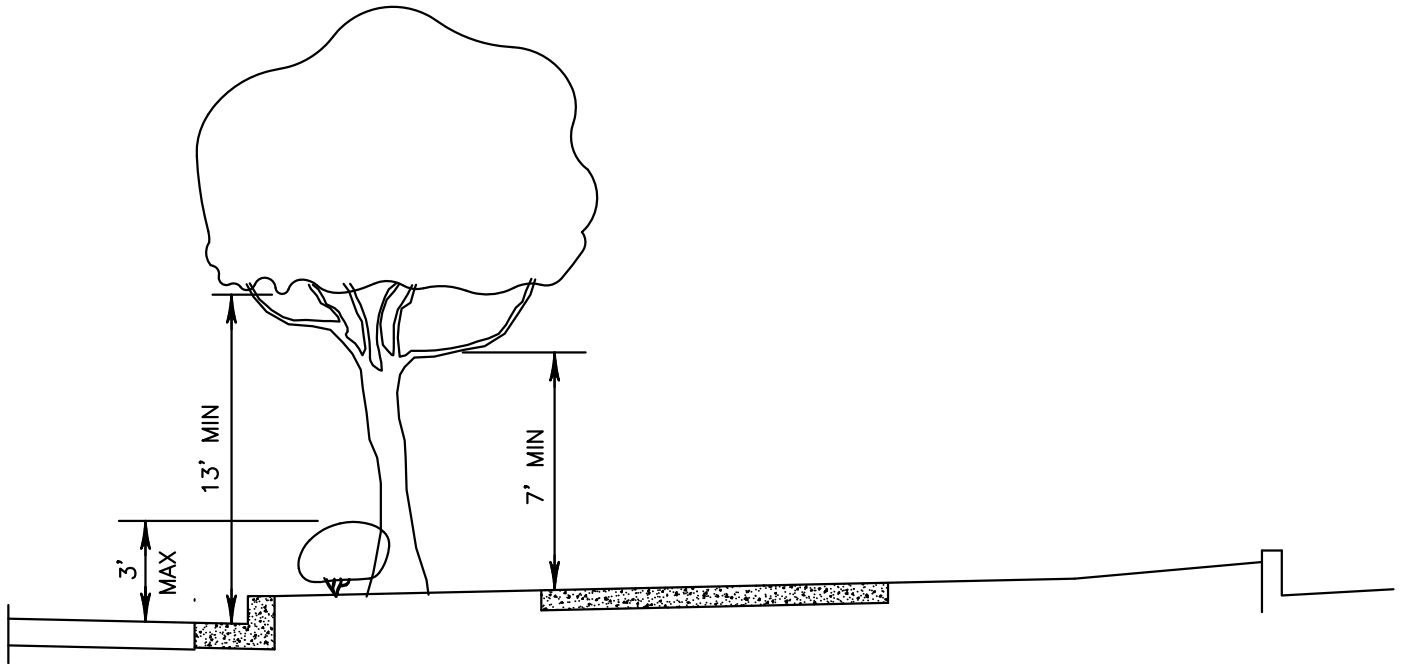
Drwn. By: GDG
Date: 1/2002
Drwg. No.: **8-200**

	Date	Revision:
3	3/10	5th EDITION
2	6/05	3rd EDITION
1	6/04	2nd EDITION

CLASSIFICATION → VARIABLE ↓	MAJOR ARTERIAL			MAJOR COLLECTOR		MINOR COLLECTOR		LOCAL STREET		
	COMMERCIAL ZONED AREAS	RESIDENTIAL AREAS	WITH MULTI-USE PATH	WITH ON-STREET BIKE LANES	WITH MULTI-USE PATH	WITH ON-STREET BIKE LANES (NO PARKING)	SHARE-THE-LANE (PARKING BOTH SIDES)	NO PARKING (SEE NOTE 2)	PARKING ON ONE SIDE	PARKING ON BOTH SIDES
MEDIAN OR TURN LANE	14'	14'	14'	12'	12'	12'	--	--	--	--
TRAVEL LANES (12')	4@12'	4@12'	4@12'	2@12'	2@12'	2@12'	--	--	--	--
SHARE-THE-LANE (14')	--	--	--	--	--	--	2@14'	2@14'	2@14'	2@14'
BICYCLE LANES	2@6'	2@6'	--	2@6'	--	2@6'	--	--	--	--
ON-STREET PARKING (7')	--	--	--	--	--	--	2@7'	--	1@7'	2@7'
PCC TYPE A CURB GUTTER	2@1.5'	2@1.5'	2@1.5'	2@1.5'	2@1.5'	2@1.5'	2@1.5'	2@1.5'	2@1.5'	2@1.5'
PLANTER STRIP	2@6'	2@6'	2@6'	2@4'	2@4'	2@4'	2@4'	2@4'	2@4'	2@4'
SIDEWALKS	2@8' (MAX.)	2@6'	--	2@6'	--	2@6'	2@6'	2@5'	2@5'	2@5'
MULTI-USE PATH	--	--	2@10'	--	2@10'	--	--	--	--	--
PROPERTY LINE OFFSETS	2@1'	2@1'	2@1'	2@1'	2@1'	2@1'	2@1'	2@1'	2@1'	2@1'
R.O.W. WIDTHS	107'	103'	99'	73'	69'	73'	67'	51'	58'	65'
PAVEMENT WIDTH (GUTTER FACE TO GUTTER FACE)	74'	74'	62'	48'	36'	48'	42'	28'	35'	42'

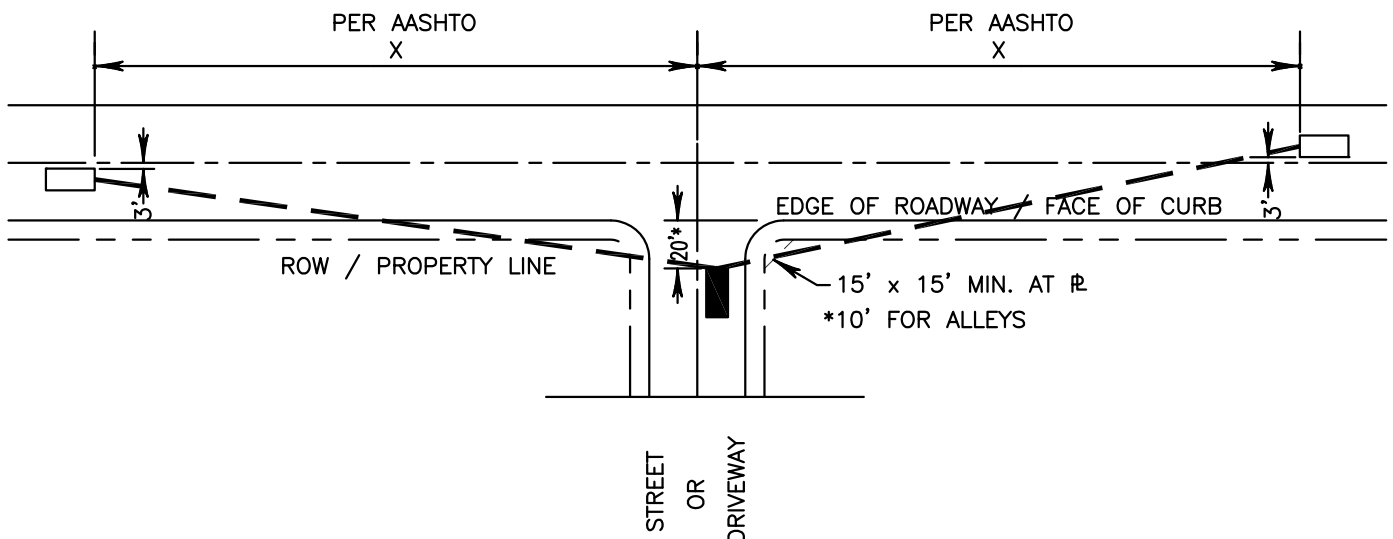
NOTE

- FOR ALL STREET CLASSIFICATIONS SHOWN ON STANDARD DRAWINGS 8-165 THRU 8-180, COMPACTION TESTS ON SUBGRADE, TOP OF ROCK AND ASPHALT, WILL BE REQUIRED. NUMBER OF TESTS SHALL BE AT THE DISCRETION OF THE CITY. ALL TESTING SHALL BE THROUGH A LICENSED TESTING LABORATORY. THE MINIMUM COMPACTION SHALL BE 95% OF MAXIMUM DENSITY (AASHTO T-99) OF SUBGRADE AND TOP OF ROCK, 92% FOR ASPHALT (ODOT TM306).
- NO PARKING & PARKING ON ONE SIDE OF LOCAL STREETS REQUIRES CITY ENGINEERING VARIANCE.



REFER TO CURRENT AASHTO GUIDELINES
AND CITY OF KLAMATH FALLS CDO 14.390
FOR VISUAL CLEARANCE GUIDELINES

PUBLIC STREET



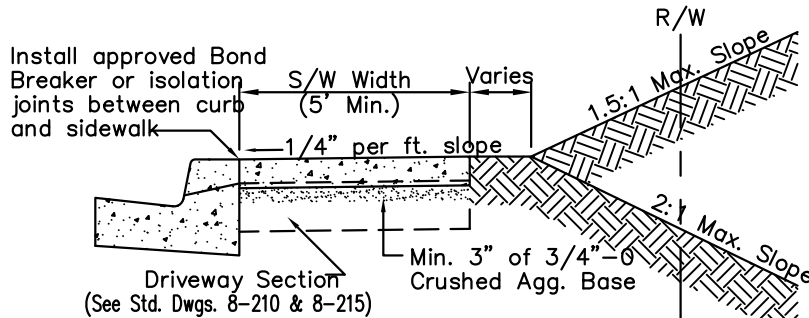
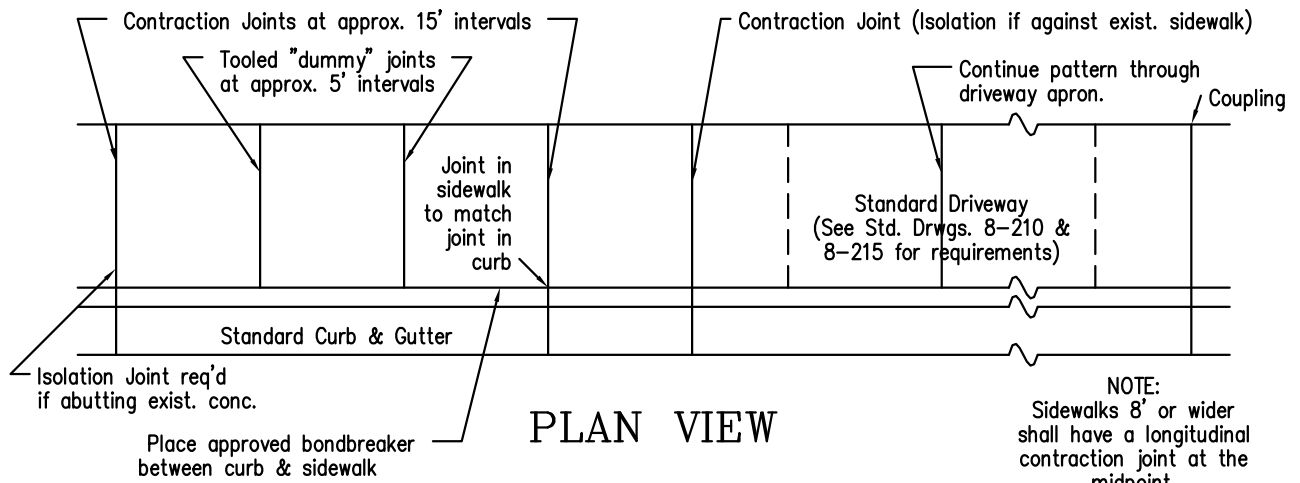
CITY OF KLAMATH FALLS

Date	Revision:
1	3/10 5th EDITION

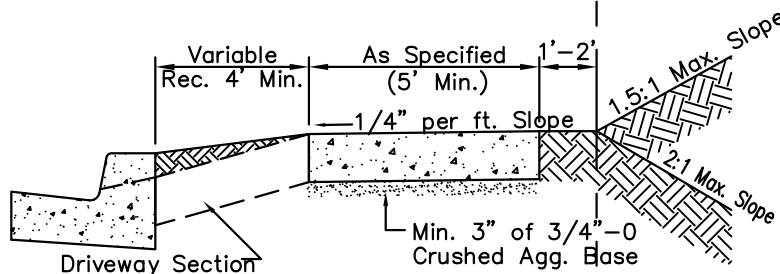
DRIVEWAY & INTERSECTIONS
SIGHT TRIANGLES

Approved By: Don Wilcox

Drwn. By: GDG
Date: 1/2002
Drwg. No.: **8-205**



DRIVEWAY @ CURB



DRIVEWAY SEPARATED FROM CURB

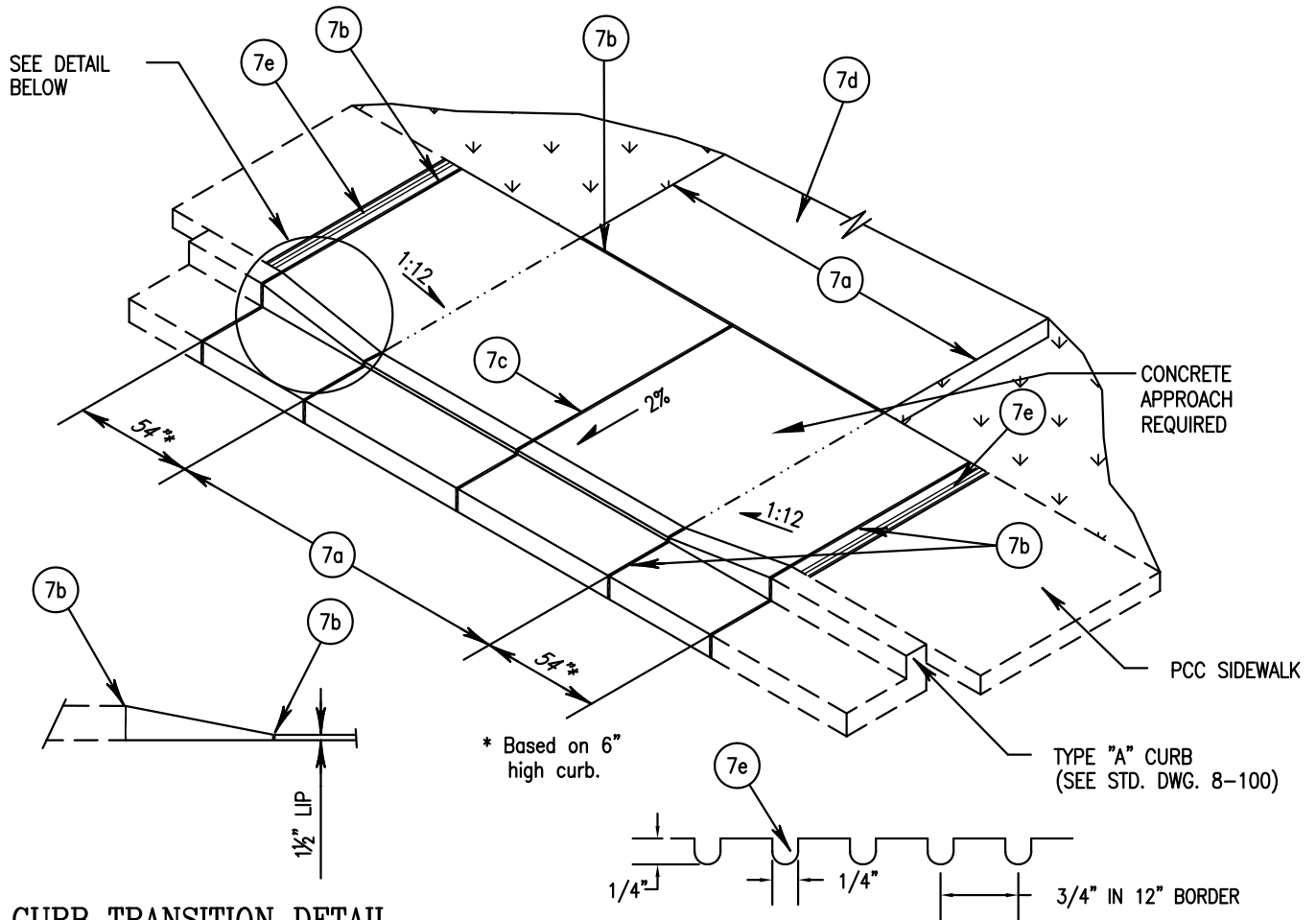
7. Sidewalk width varies with street classification.
Refer to Std. Dwg. 8-200 and Std Section 8-10.

NOTES

1. Standard sidewalk cross slope shall be 1/4" per foot. When lot is below top of curb and slopes away from curb, - 1/4" per foot may be required.
2. Concrete depth for standard sidewalks shall be a nominal 4" min. Sidewalks across driveways and adjacent to Type "C" Curb (See Std. Dwg. 8-110) shall be 6" deep (min.), except in area zoned Commercial or Industrial, in which case sidewalks shall be 8" deep (min.) and reinforced with 4x4 WWF supported by stirrups or dobies or #4@18" OC rebar, base shall be 3" thk of 3/4"-0" crushed aggregate or material approved by the City. (See Std Dwg 8-210 & 8-215 for sidewalk requirements across driveways. Base rock shall be State Spec.)
3. Contraction joints as shown on Std. Dwg. 8-135 shall be installed at 15' intervals. "Dummy" shallow tooled joints shall be installed at 5'± intervals.
4. Install approved bond breaker material or isolation joint between curb and sidewalk and around any obstruction within sidewalk area.
5. See Public Sidewalk Curb Ramp details (Std. Dwgs. 8-140 thru 8-155) for required sidewalk patterns at intersection curb returns.
6. Concrete work to be constructed of 4000 psi (compressive strength at 28 days), six-sack concrete, using materials and requirements as indicated in "ODOT/APWA Standards", with selections noted below:
A) Admixtures: Air entrainment - 5% - 6%
Other: None, unless written approval of the City is received prior to its use.
B) Curing materials must be used, with the method approved by the City prior to its use.
C) Saw cutting shall be required on sidewalk removal or reconstruction, if limits of work do not terminate at an existing construction joint.

CITY OF KLAMATH FALLS

Date	Revision:	STANDARD PCC SIDEWALK	Drwn. By: GDG
3	3/10		Date: 1/2002
2	6/06		Drwg. No.: 8-209
1	6/04		Approved By: <u>Don Wilcox</u>



CURB TRANSITION DETAIL

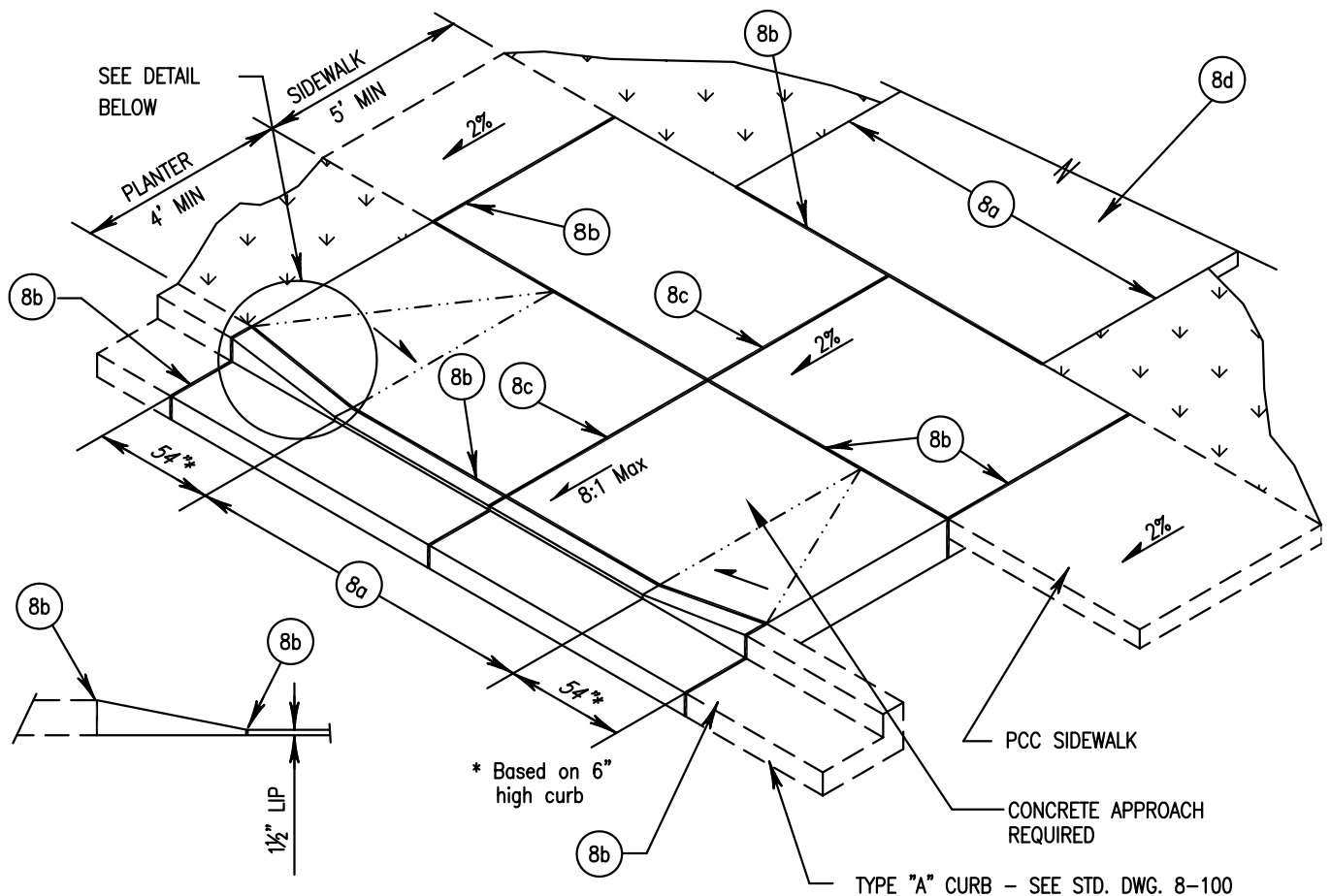
GROOVING DETAIL

NOTES

- Standard sidewalk cross slope shall be $\frac{1}{4}$ " per foot. When lot is below top of curb and slopes away from curb, $\frac{1}{4}$ " per foot may be required.
- Concrete depth for standard sidewalks shall be a nominal 4" min. Sidewalks across driveways and adjacent to Type "C" Curb (See Std. Dwg. 8-110) shall be 6" deep (min.), except in areas zoned Commercial or Industrial, in which case sidewalks shall be 8" deep (min.) and reinforced with 4x4 WWF supported by stirrups, dolbies or #4 @ 18" oc rebar. Base shall be 3" of $\frac{3}{4}$ "-0 crushed aggregate or material approved by City. Base shall be State Spec and compacted to 95% Min.
- Contraction joints as shown on Std. Dwg. 8-135 shall be installed at 15' intervals. "Dummy" shallow tooled joints shall be installed at 5'± intervals.
- Install approved bond breaker material or isolation joint between curb and sidewalk and around any obstruction within sidewalk area.
- See Public Sidewalk Curb Ramp details (Std. Dwg. 8-140 thru 8-155) for required sidewalk patterns at intersection curb returns.
- Concrete work to be constructed of 4000 psi (compressive strength at 28 days), six-sack concrete, using materials and requirements as indicated in ODOT/APWA Standards, with selections noted below:
 - Admixtures: Air entrainment - 5%-6%; Other: None, unless written approval of the City is received prior to its use.
 - Curing materials must be used, with the method approved by the City prior to its use.
 - Saw cutting shall be required on sidewalk removal or reconstruction, if limits of work do not terminate at an existing construction joint.
- The following requirements apply to sidewalks across a driveway section:
 - Equals width of the driveway at the property line. (Minimum Width = 10')
 - Full depth Isolation joint with premolded filler.
 - Full depth Isolation joint with premolded filler is required at centerline of driveway.
 - Driveway is to be surfaced with asphaltic concrete or PCC.
 - 1' Min. grooving (See grooving detail).

CITY OF KLAMATH FALLS

	Date	Revision:	PCC DRIVEWAY ACROSS SIDEWALK TYPE 1	Drwn. By:	GDG
				Date:	1/2002
3	3/10	5th EDITION		Drwg.	8-210
2	6/06	4th EDITION	No.:		
1	6/04	2nd EDITION			
			Approved By:	<i>Don Wilcox</i>	



CURB TRANSITION DETAIL

NOTES

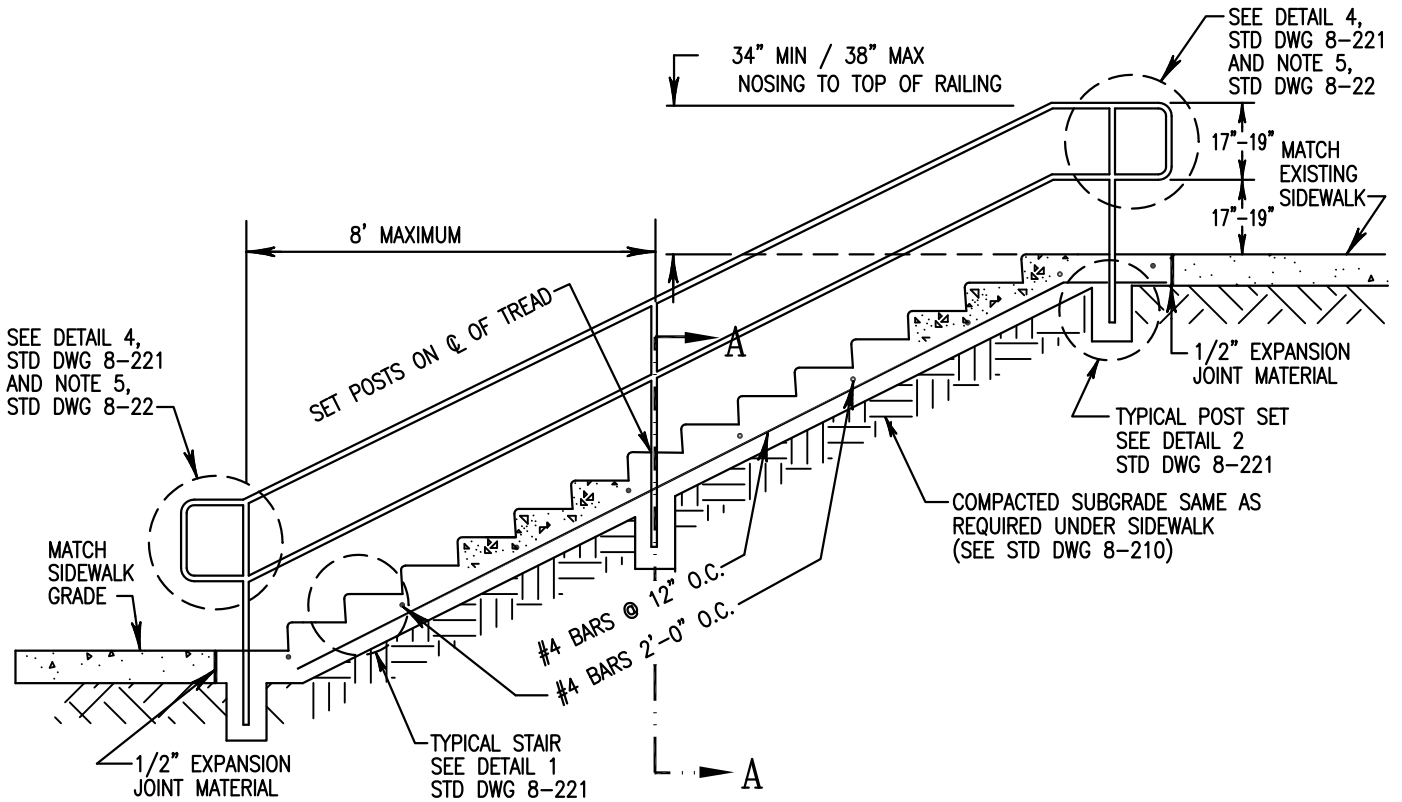
- Standard sidewalk cross slope shall be $\frac{1}{4}$ " per foot. When lot is below top of curb and slopes away from curb, $-\frac{1}{4}$ " per foot may be required.
- Concrete depth for standard sidewalks shall be a nominal 4" min. Sidewalks across driveways and adjacent to Type "C" Curb (See Std. Dwg. 8-110) shall be 6" deep (min.), except in area zoned Commercial or Industrial, in which case sidewalks shall be 8" deep (min.) and reinforced with 4x4 WWF supported by stirrups, dolbies or #4 @ 18" oc rebar. Base shall be 3" of $\frac{3}{4}$ "-0 crushed aggregate or material approved by City. Base rock shall be State Spec and compacted to 95% Min.
- Contraction joints as shown on Std. Dwg. 8-135 shall be installed at 15' intervals. "Dummy" shallow tooled joints shall be installed at 5'± intervals.
- Install approved bond breaker material or isolation joint between curb and sidewalk and around any obstruction within sidewalk area.
- See Public Sidewalk Curb Ramp details (Std. Dwg. 8-140 thru 8-155) for required sidewalk patterns at intersection curb returns.
- A 4' minimum separation between curb and setback sidewalk is recommended for landscape maintenance.
- Concrete work to be constructed of 4000 psi (compressive strength at 28 days), six-sack concrete, using materials and requirements as indicated in ODOT/APWA Standards, with selections noted below:
 - Admixtures: Air entrainment - 5%-6%; Other: None, unless written approval of the City is received prior to its use.
 - Curing materials must be used, with the method approved by the City prior to its use.
 - Saw cutting shall be required on sidewalk removal or reconstruction, if limits of work do not terminate at an existing construction joint.
- The following requirements apply to sidewalks across a driveway section:
 - Equals width of the driveway at the property line. (Minimum Width = 10')
 - Full depth Isolation joint with premolded filler.
 - Full depth Isolation joint with premolded filler is required at centerline of driveway.
 - Driveway is to be surfaced with asphaltic concrete or PCC.

CITY OF KLAMATH FALLS

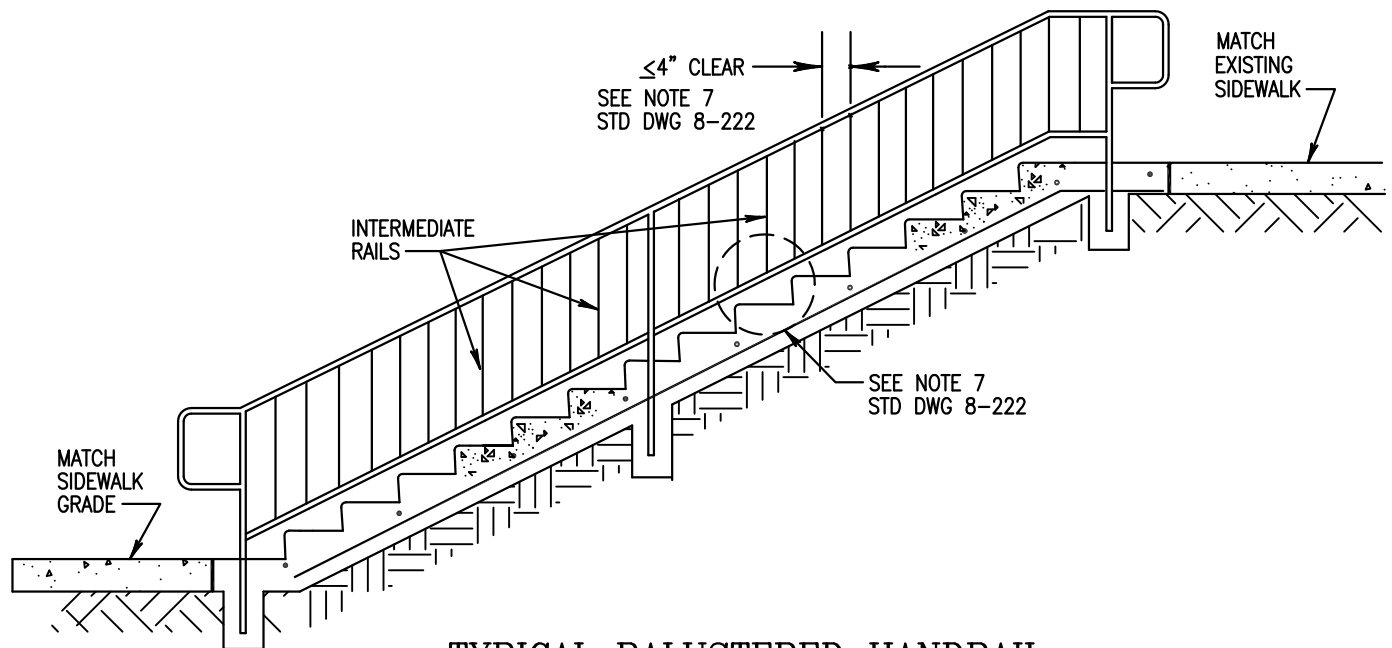
Date	Revision:	PCC DRIVEWAY ACROSS SIDEWALK TYPE 2	Drwn. By: GDG
3	3/10		Date: 1/2002
2	6/06	Approved By: <u>Don Wilcox</u>	Drwg. No.: 8-215
1	6/04		



	Date	Revision:	PCC DRIVEWAY ACROSS SIDEWALK TYPE 'C' CURB	Drwn. By:	WEM
				Date:	5/2006
2	3/10	5th EDITION	Approved By: <u>Don Wilcox</u>	Drwg.	8-216
1	6/06	4th EDITION		No.:	



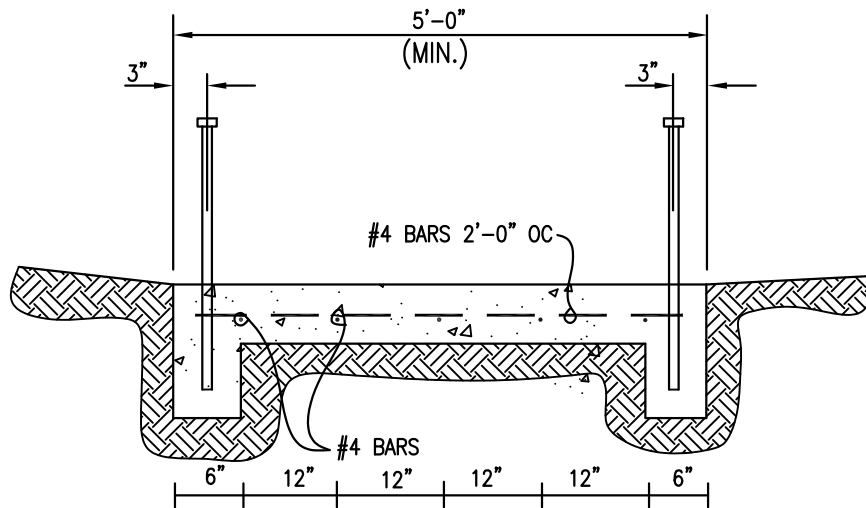
TYPICAL STAIRWAY WITH OPEN HANDRAIL



TYPICAL BALUSTERED HANDRAIL
(WHERE REQUIRED - SEE NOTE 7, STD 8-222)

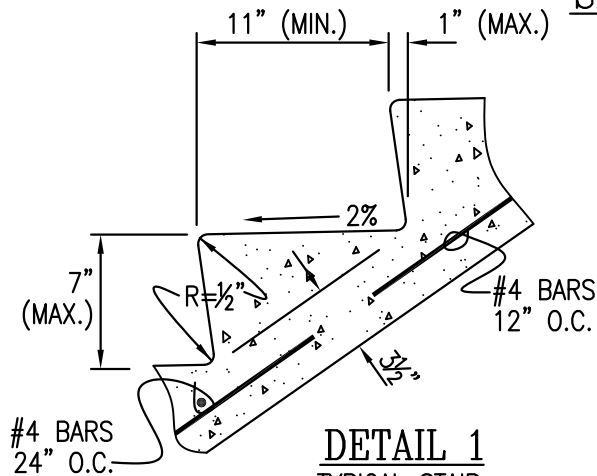
CITY OF KLAMATH FALLS

MK	Date	Revision:	PCC STAIRWAY REPLACEMENT WITHIN PUBLIC ROW	Drwn. By: GDG
				Date: 1/2002
1	6/04	2nd EDITION	Approved By: <u>Mike Kuenzi</u>	Drwg. No.: 8-220

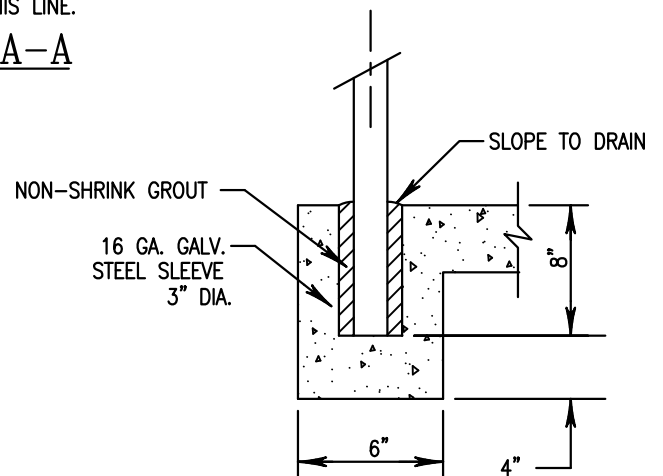


WIDTH OF CONCRETE STAIRS OR LANDING
TO BE FINISHED TO THIS LINE.

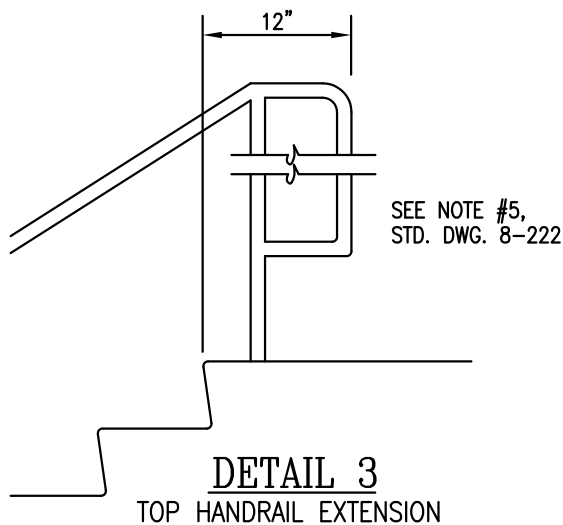
SECTION A-A



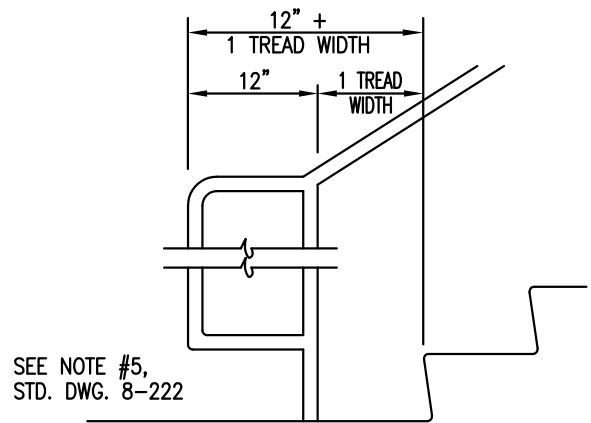
DETAIL 1
TYPICAL STAIR



DETAIL 2
HANDRAIL POST SET



DETAIL 3
TOP HANDRAIL EXTENSION



DETAIL 4
BOTTOM HANDRAIL EXTENSION

CITY OF KLAMATH FALLS

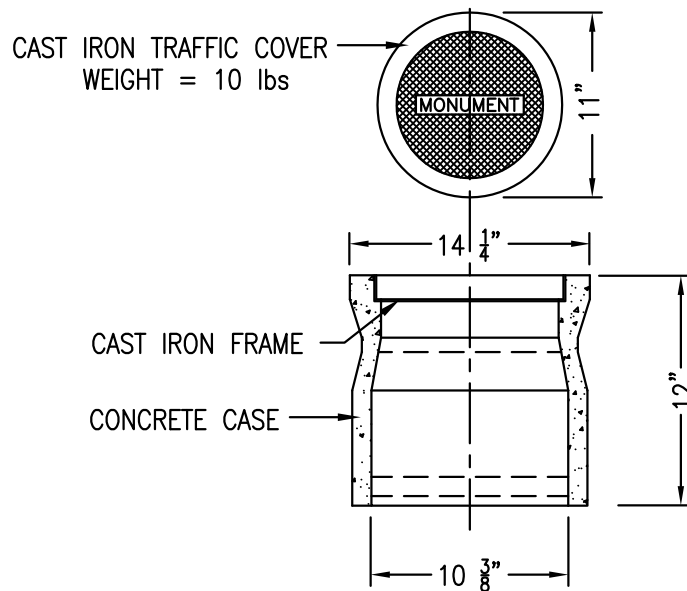
MK	Date	Revision:	PCC STAIRWAY REPLACEMENT WITHIN PUBLIC ROW	Drwn. By: GDG
			Approved By: <i>Mike Kuenzi</i>	Date: 1/2002
				Drwg. No.: 8-221

STAIRWAY AND HANDRAILING NOTES:

1. RISERS SHALL BE 4" (MIN.) TO 7" (MAX.). THE GREATEST HEIGHT WITHIN ANY FLIGHT (BETWEEN LANDINGS) SHALL NOT EXCEED THE SMALLEST BY MORE THAN $\frac{3}{8}$ ".
2. TREADS SHALL BE 11" (MINIMUM). THE GREATEST TREAD RUN WITHIN ANY FLIGHT (BETWEEN LANDINGS) SHALL NOT EXCEED THE SMALLEST BY MORE THAN $\frac{3}{8}$ ".
3. THERE SHALL BE A LANDING AT THE TOP AND THE BOTTOM OF EACH STAIRWAY OR STAIR RUN. INTERMEDIATE LANDINGS SHALL BE PROVIDED FOR EACH 12 FEET OF VERTICAL STAIRWAY RISE, MEASURED BETWEEN EACH LANDING.
4. LANDING LENGTH SHALL BE 44" (MINIMUM) WHERE THE STAIRWAY HAS A STRAIGHT RUN. WHERE THE STAIRWAY IS NOT A STRAIGHT RUN, THE MINIMUM LENGTH OF THE LANDING SHALL BE EQUAL TO THE STAIRWAY WIDTH.
5. STAIRWAYS HAVING FOUR OR MORE RISERS SHALL HAVE HANDRAILS ON BOTH SIDES. HANDRAILS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE STAIRS AND AT LEAST ONE HANDRAIL SHALL EXTEND IN THE DIRECTION OF THE STAIR 12" (MIN.) BEYOND THE TOP RISER AND 12" PLUS THE WIDTH OF ONE TREAD (MIN.) BEYOND THE BOTTOM RISER. ENDS OF HANDRAILS SHALL BE RETURNED SMOOTHLY TO FLOOR, WALL OR POST. (SEE STD. DRWG. 8-221, DETAILS 3 & 4)
6. GRIPPING SURFACE ON TOP OF HANDRAILS SHALL BE MOUNTED 34 INCHES (MIN.) TO 38 INCHES (MAX.) ABOVE STAIR NOSINGS. THE HANDGRIP PORTION OF THE HANDRAILS SHALL NOT BE LESS THAN $1\frac{1}{4}$ " NOR MORE THAN 2" IN CROSS-SECTIONAL DIMENSION. IF HANDRAILS ARE MOUNTED TO A WALL, THERE SHALL BE A CLEAR SPACE OF $1\frac{1}{2}$ INCHES BETWEEN THE HANDRAIL AND THE WALL.
7. IF THE STAIRWAY IS LOCATED SO THAT THERE IS A VERTICAL DROP OF 30 INCHES OR MORE TO THE ADJACENT GRADE, A BALUSTERED HANDRAIL SHALL BE REQUIRED, REGARDLESS OF THE NUMBER OF RISERS. CLEAR SPACE BETWEEN BALUSTERS SHALL BE SUCH THAT A SPHERE FOUR INCHES IN DIAMETER CANNOT PASS THROUGH. THE TRIANGULAR OPENINGS FORMED BY THE RISER, TREAD AND BOTTOM ELEMENT OF A HANDRAIL SHALL BE OF SUCH SIZE THAT A SPHERE SIX INCHES IN DIAMETER CANNOT PASS THROUGH. (SEE STD. DRWG. 8-221, "TYPICAL BALUSTERED HANDRAIL" DETAIL AND U.B.C., SUBSECTION 509.3)
8. IF STAIRWAY CONSTRUCTION REQUIRES A RETAINING WALL IN EXCESS OF FOUR FEET (FROM BOTTOM OF FOOTING TO TOP OF WALL), APPLICANT SHALL PROVIDE THE PUBLIC WORKS DEPARTMENT WITH A DESIGN STAMPED BY A CIVIL ENGINEER REGISTERED IN THE STATE OF OREGON.
9. SPECIFICATIONS FOR CONCRETE USED IN STAIRS SHALL BE AS SHOWN ON STANDARD DRAWING 8-100.
10. HANDRAIL MATERIAL SHALL BE AS DIRECTED BY THE PUBLIC WORKS DEPARTMENT.

CITY OF KLAMATH FALLS

MK	Date	Revision:	PCC STAIRWAY REPLACEMENT WITHIN PUBLIC ROW	Drwn. By: GDG Date: 1/2002 Drwg. No.: 8-222
			Approved By: <u>Mike Kuenzi</u>	



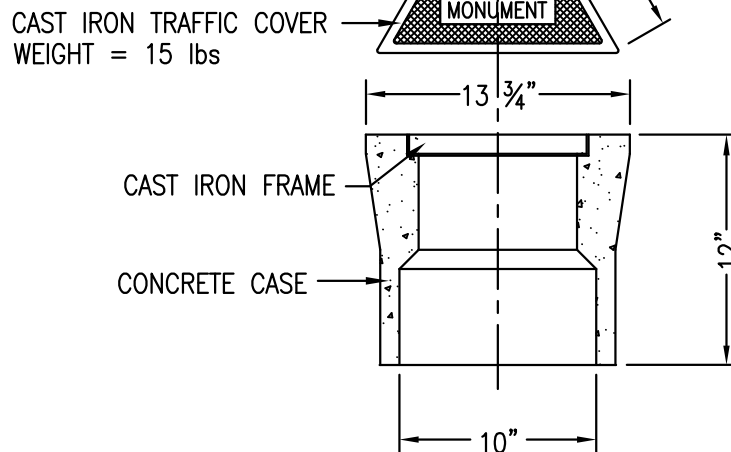
USE CHRISTY VALVE
BOX G5BOX OR EQUAL,
W/TRAFFIC COVER G5C
OR EQUAL, WITH "MONUMENT"
(WHEN AVAILABLE) MARKED
ON THE COVER. IF NEEDED,
EXTENSIONS AND GRADE
RINGS MAY BE USED.

MONUMENT CASE A

FOR CENTERLINE CONTROL SURVEY MONUMENTS

NOTES:

1. FRAME AND COVER SHALL NOT REST ON OR BE IN CONTACT WITH MONUMENT.
2. MONUMENT SET SHALL BE IN ACCORDANCE WITH O.R.S. 92.060.
3. CAST IRON FRAME WILL BE SET 1/4" BELOW THE FINISH GRADE OF PAVEMENT.



USE UTILITY VAULT VALVE
BOX G4BOX OR EQUAL,
W/TRAFFIC COVER G4C
OR EQUAL, WITH "MONUMENT"
MARKED ON THE COVER.
IF NEEDED, EXTENSIONS
MAY BE USED.

MONUMENT CASE B

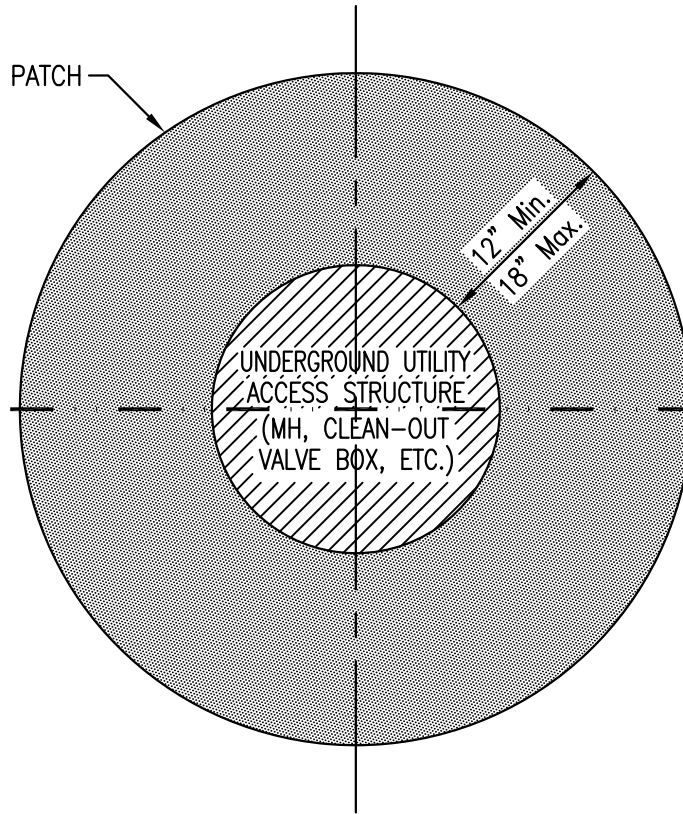
FOR GEODETIC SURVEY CONTROL MONUMENTS

CITY OF KLAMATH FALLS

MK	Date	Revision:	SURVEY CONTROL MONUMENT CASES	Drwn. By: GDG
				Date: 1/2002
				Drwg. No.: 8-230
1	6/04	2nd EDITION		Approved By: <u>Mike Kuenzi</u>

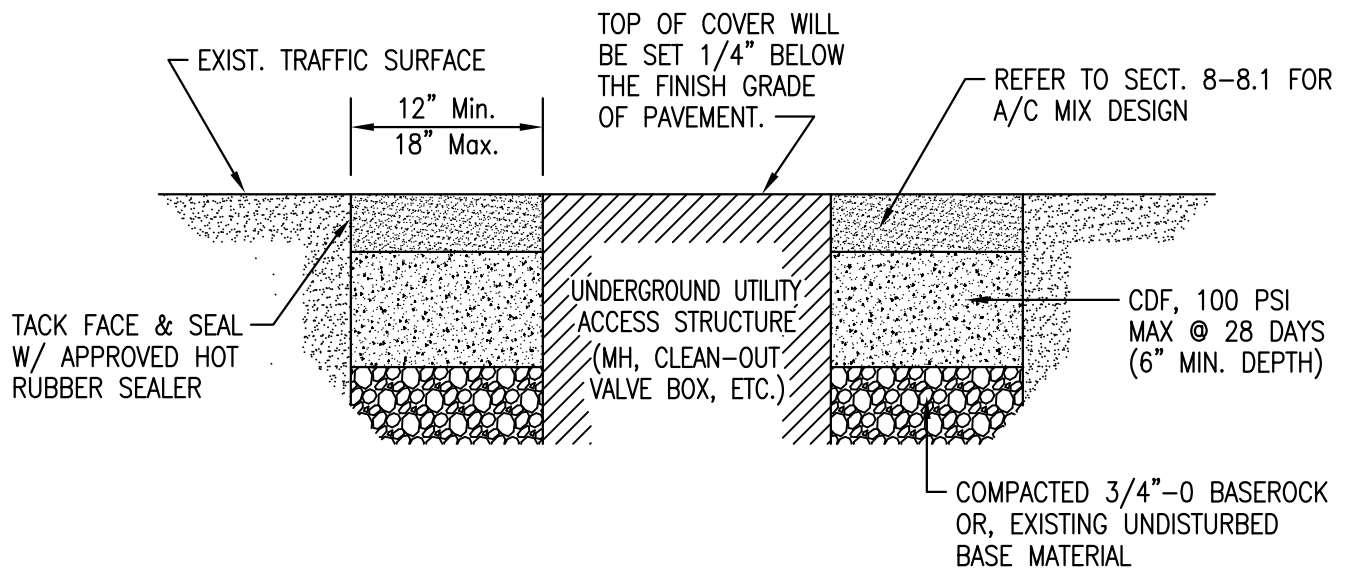
LIMITS OF PATCH

A



A

PLAN VIEW



SECTION A-A

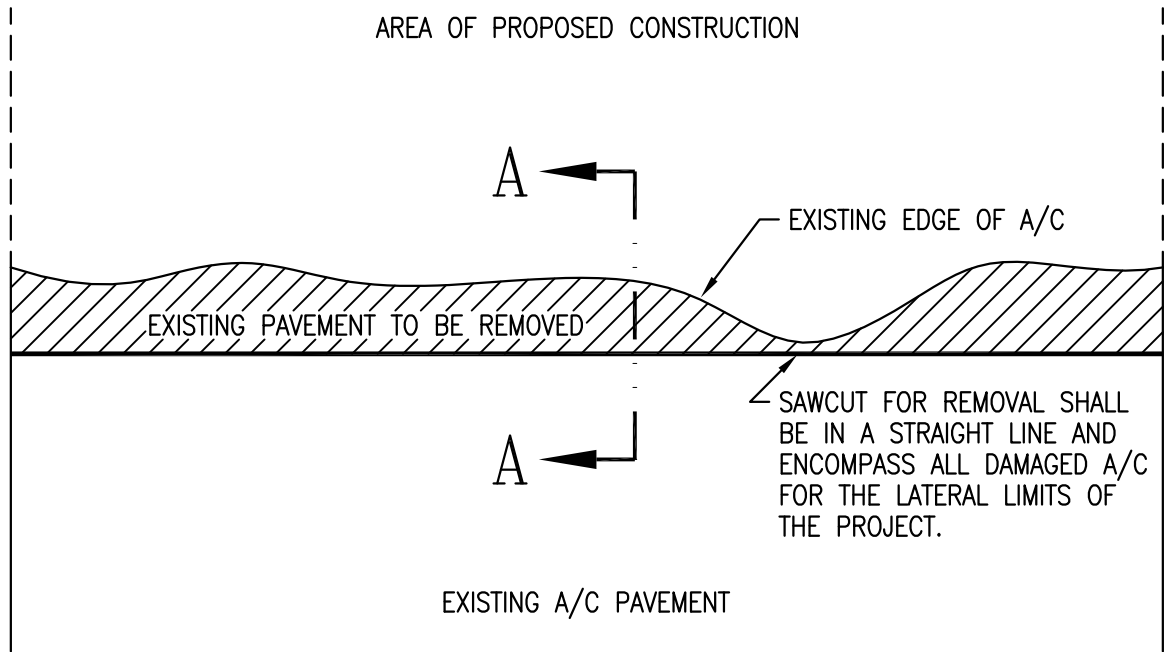
CITY OF KLAMATH FALLS

Date	Revision:
2	3/10 5th EDITION
1	6/04 2nd EDITION

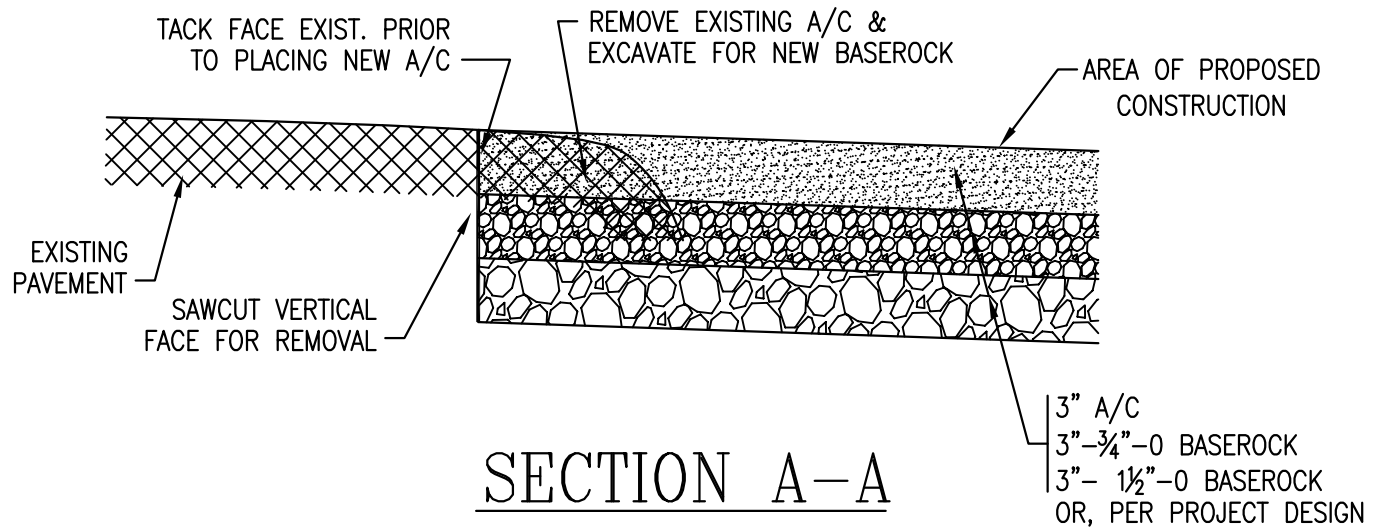
STANDARD METHOD FOR ADJUSTING
UNDERGROUND UTILITY ACCESS STRUCTURES

Approved By: Don Wilcox

Drwn. By: GDG
Date: 1/2002
Drwg. No.: **8-235**



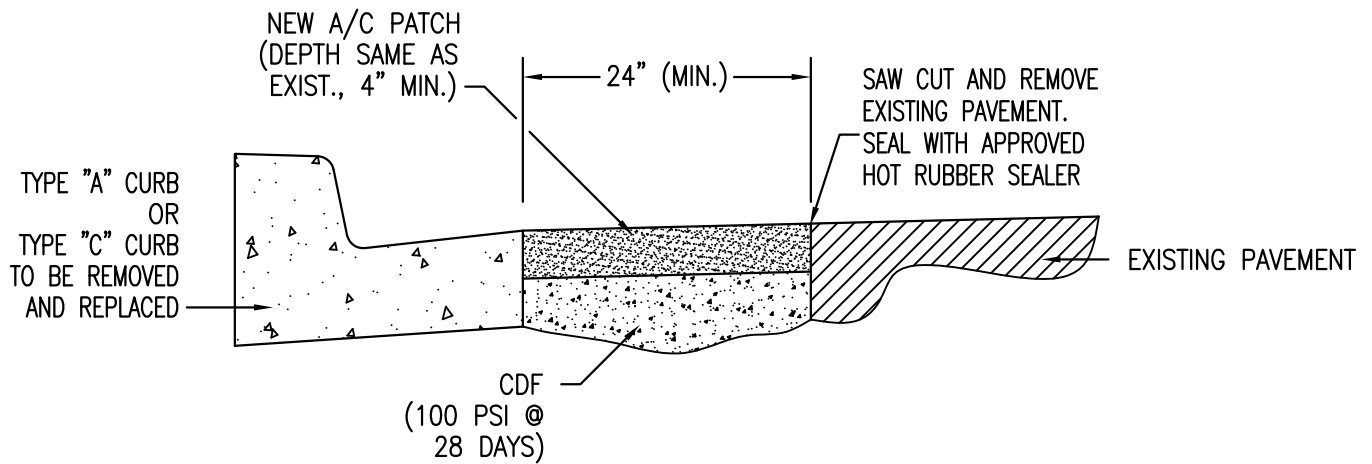
PLAN VIEW



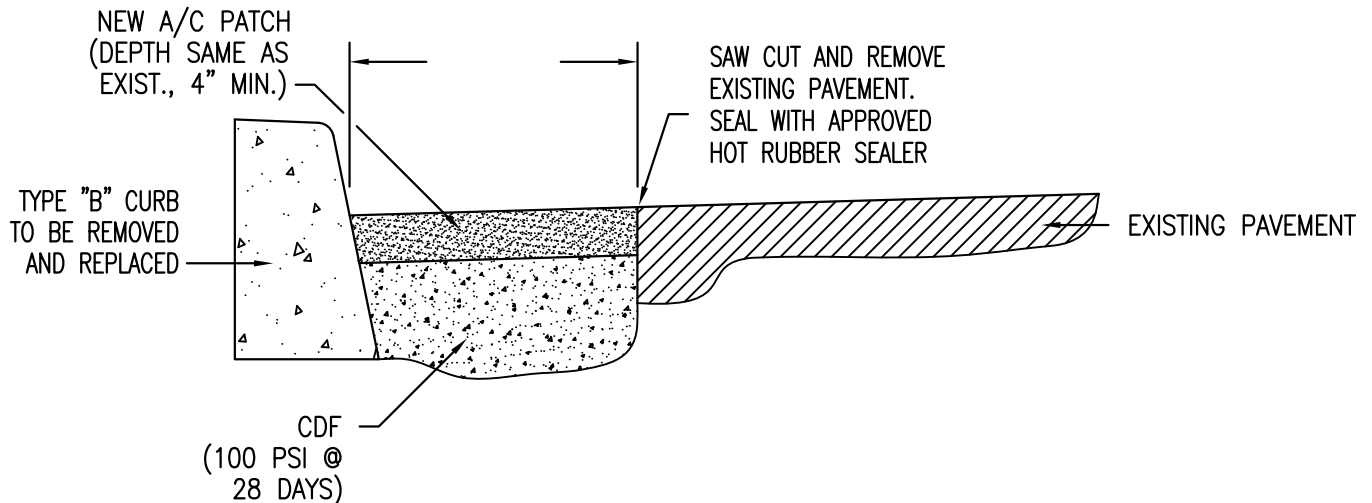
SECTION A-A

CITY OF KLAMATH FALLS

MK	Date	Revision:	STANDARD METHOD FOR MATCHING EXISTING A/C SURFACE	Drwn. By: GDG
			Approved By: <u>Mike Kuenzi</u>	Date: 1/2002
				Drwg. No.: 8-240



TYPES "A" & "C" CURB



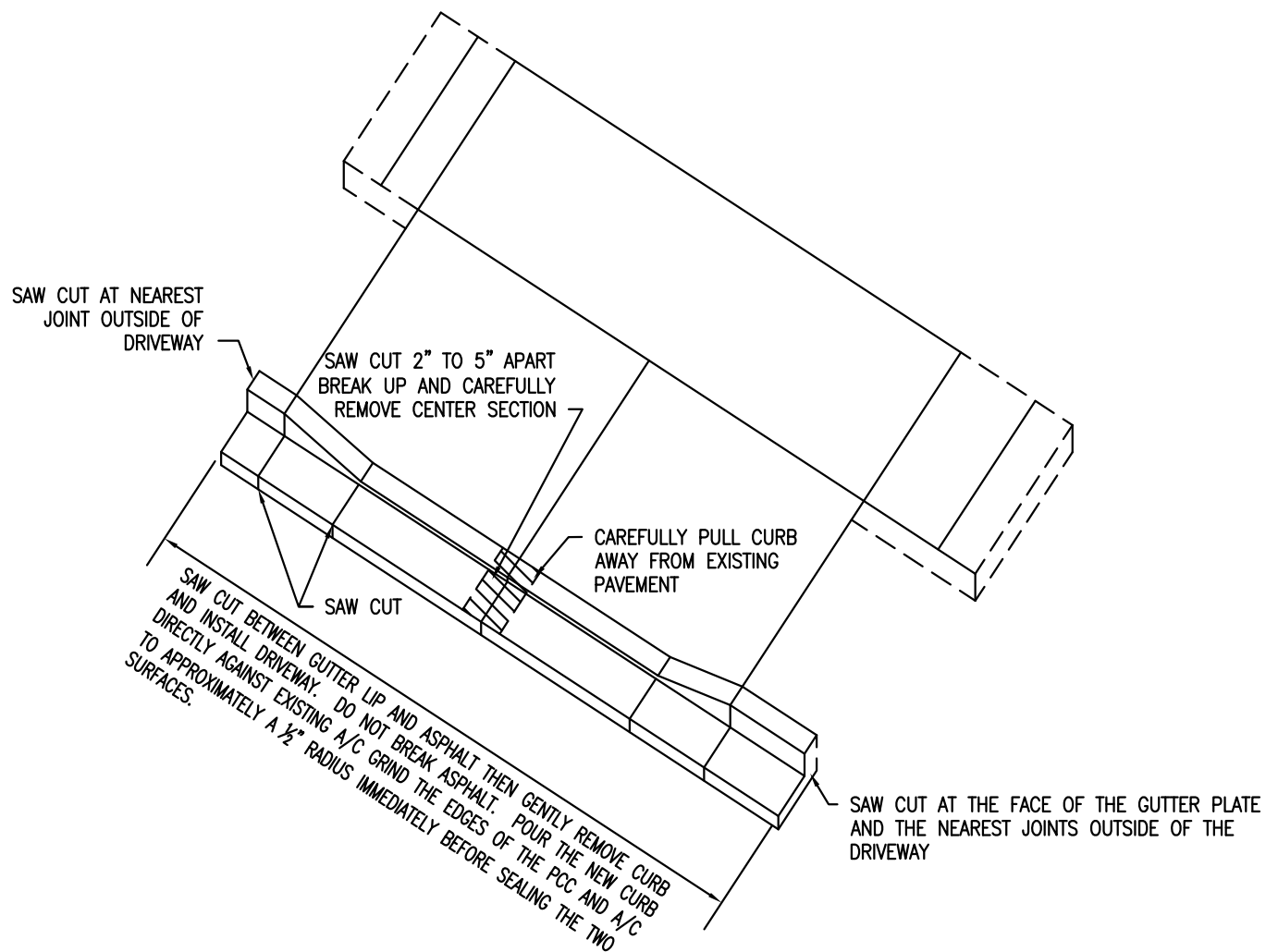
TYPE "B" CURB"

NOTES

1. THESE STANDARDS SHALL APPLY WHENEVER EXISTING IMPROVEMENTS ARE BEING REMOVED TO ALLOW FOR CONSTRUCTION OF NEW CURB. REMOVAL OF EXISTING PAVEMENT FOR A MINIMUM OF 24 INCHES FROM THE GUTTER LIP (FOR TYPE "A" OR "C" CURB) OR THE FACE (FOR TYPE "B" CURB) OF PROPOSED NEW CURB IS REQUIRED, EVEN WHEN THERE IS NO EXISTING CURB.
2. VERTICAL FACED SAW CUT IS REQUIRED FOR REMOVAL OF EXISTING IMPROVEMENTS. REMOVE CURB TO THE NEAREST EXPANSION JOINT.
3. SEE STANDARD DRAWINGS 8-100 THRU 8-110 FOR CURB CONSTRUCTION REQUIREMENTS.

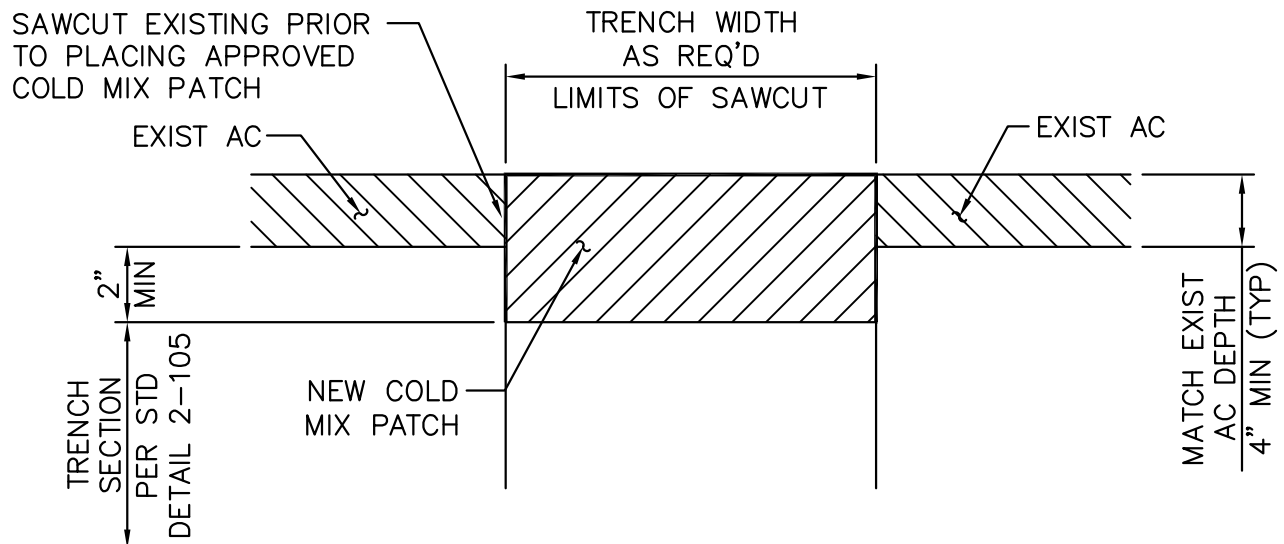
CITY OF KLAMATH FALLS

Date	Revision:	CURB REPLACEMENT	Drwn. By: GDG
			Date: 1/2002
2	3/10 5th EDITION		Drwg. No.: 8-245
1	6/06 4th EDITION	Approved By: <u>Don Wilcox</u>	



CITY OF KLAMATH FALLS

Date	Revision:	CURB REMOVAL NO-CUT STREET	Drwn. By: JDH
			Date: 7/2007
		Approved By: <u>Don Wilcox</u>	Drwg. No.: 8-245a
1	3/10		5th EDITION



TYPICAL TRENCH PATCH (TEMPORARY COLD PATCH)

CONSTRUCTION NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE MOST CURRENT EDITION OF THE CITY OF KLAMATH FALLS PUBLIC WORKS ENGINEERING STANDARDS (PWES) DRAWINGS.
2. TO BE USED TEMPORARILY ONLY. SEE 2-105 FOR PERMANENT TRENCH PATCH.
3. TO BE MAINTAINED DAILY UNTIL PERMANENT TRENCH PATCH IS PLACED AND ACCEPTED.

CITY OF KLAMATH FALLS

Date	Revision:	TYPICAL TRENCH PATCH (TEMPORARY COLD PATCH)	Drwn. By: WEM
			Date: 5/2006
2	3/10	5th EDITION	Drwg. No.: 8-250
1	6/06	4th EDITION	
Approved By: <u>Don Wilcox</u>			