

December 21, 2010

Members of the MAG Specifications and Details Committee

Jesse Gonzales, City of Peoria, Chairman

SUBJECT: MEETING NOTIFICATION AND TRANSMITTAL OF AGENDA

Wednesday, January 6, 2010 at 1:30 p.m.
MAG Office, Second Floor, Cholla Room
302 North First Avenue, Phoenix

A meeting of the MAG Specifications and Details Committee has been scheduled for the time and place noted above. Members of the MAG Specifications and Details Committee may attend the meeting either in person, by videoconference or by telephone conference call. If you have any questions regarding the meeting, please contact Committee Chair Jesse Gonzales at 623-773-7548 or Gordon Tyus, MAG staff at 602-254-6300.

Please park in the garage under the building, bring your ticket, parking will be validated. For those using transit, Valley Metro/RPTA will provide transit tickets for your trip. For those using bicycles, please lock your bicycle in the bike rack in the garage.

In 1996, the Regional Council approved a simple majority quorum for all MAG advisory committees. If the MAG Specifications and Details Committee does not meet the quorum requirement, no action can be taken. Your attendance at the meeting is strongly encouraged.

Pursuant to Title II of the Americans with Disabilities Act (ADA), MAG does not discriminate on the basis of disability in admissions to or participation in its public meetings. Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting Gordon Tyus at the MAG office. Requests should be made as early as possible to allow time to arrange the accommodation.

It is requested (not required) that written comments on active cases be prepared in advance for distribution at the meeting.

AGENDA

<u>ITEM</u>	<u>COMMITTEE ACTION REQUESTED</u>
1. <u>Call to Order</u>	1. No action required.
2. <u>Approval of October 7, 2009 Meeting Minutes</u>	2. Corrections and approval of October 7, 2009 minutes.
3. <u>2009 & 2010 Cases</u>	3. Review of 2009 carry-over cases. New cases.
4. <u>General Discussion</u>	4. NUCA Representation. Open general discussion.
5. <u>Request for Agenda Items</u>	5. Request Desired New Agenda Items
6. <u>Adjournment</u>	6. No action required.

MEETING MINUTES FROM THE
MARICOPA ASSOCIATION OF GOVERNMENTS
STANDARD SPECIFICATIONS AND DETAILS COMMITTEE

October 7, 2009

Maricopa Association of Governments Office, Cholla Room
302 North First Avenue
Phoenix, Arizona

AGENCY MEMBERS

Jim Badowich, Avondale	Gordon Haws, Mesa
Scott Zipprich, Buckeye	Jesse Gonzalez, Peoria
Warren White, Chandler	Jeff Van Skike, Phoenix (St. Trans.)
* Dennis Teller, El Mirage	* Jami Erickson, Phoenix (Water)
Edgar Medina, Gilbert	* Mark Palichuk, Queen Creek
Tom Kaczmarowski, Glendale	Rodney Ramos, Scottsdale
Troy Tobiasson, Goodyear	Nick Mascia, Surprise
Bob Herz, MCDOT, Chairman	Tom Wilhite, Tempe

ADVISORY MEMBERS

John Ashley, ACA	* Mike Smith, ARPA
Amanda McGennis, AGC	Paul R. Nebeker, Independent
Brian Gallimore, AGC	* William Ast, NUCA
Peter Kandararis, SRP, Vice Chairman	Bill Davis, NUCA
Jeff Hearne, ARPA	

MAG ADMINISTRATIVE STAFF

Gordon Tyus

* Members not attending or represented by proxy.

GUESTS/VISITORS

Doug Berg, Contech Construction Products
Mike Bielecki, Enssolutions
Mike Samer, City of Mesa
Aaron Schlessinger, Contech Construction Products

1. Call to Order

Chairman, Bob Herz, called the meeting to order at 1:32 p.m.

2. Approval of Minutes

The members reviewed the September 2, 2009 meeting minutes. Troy Tobiasson introduced a motion to accept the minutes as written. Edgar Medina seconded the motion. A voice vote of all ayes and no nays was recorded.

3. 2009 Cases (new cases)

a. **Case 09-03 – New Geosynthetic Materials Specification, Section 796:** Create a geosynthetic material specification, Section 796. Peter Kandarlis provided members a revised version incorporating comments recently received from geosynthetic vendors and provided a review summary of national geogrid research and specifications. Members discussed the case and recommended additional language changes to Table 796-4 to make it consistent with other tables in the specification. The committee also suggested describing geogrid junction strength in terms of junction efficiency as a percentage of ultimate junction strength. Mr. Kandarlis moved to vote on the case as modified. Rodney Ramos seconded the motion. A vote of 13 yes, 1 no, 0 abstention and 1 not present was recorded.

b. **Case 09-04 –AC Overlay Interlayer Fabric Requirements, Section 321:** Modify Section 321 to include interlayer fabric for asphalt concrete. Peter Kandarlis reviewed the revised version shown in the meeting packet which incorporates fabric placement weather condition and joint lap restriction changes recommended during the last meeting. The committee discussed the need to include warning language on use of joint heaters with interlayer fabric. The members recommended, if appropriate, that additional language should be added to the new subsection. Mr. Kandarlis moved to vote on the case as modified. Warren White seconded the motion. A vote of 10 yes, 3 no, 1 abstention and 1 not present was recorded.

c. **Case 09-05 – Modify Riprap Construction to Include Filter Fabric, Sections 220 and 703:** Modify Sections 220 and 703 to incorporate Maricopa County Supplemental Specification Section 224 for filter fabric. There was no discussion on this case and no changes to the previous revision. Rodney Ramos moved to vote on the case as shown in the meeting packet. Jesse Gonzalez seconded the motion. A vote of 14 yes, 0 no, 0 abstention and 1 not present was recorded.

d. **Case 09-06 – New Geogrid Fabric Specification, Section 306:** Create a new geogrid application Section 306. Peter Kandarlis reviewed the revised version in the meeting packet which incorporates removal of geogrid design language and more clear subgrade preparation requirements as recommended during the last meeting. Members discussed implications of geogrid use under streets, including various repair methods for utility cuts and the potential costs associated with these repairs. After the discussion, members recognized the need for specifications and details to repair streets stabilized with geogrids. Mr. Kandarlis volunteered to draft the needed standards during next year's case work. It was agreed that these repair methods should not be in this new section, but

made part of existing trench repair standards and details. Mr. Kandarlis moved to vote on the case as shown in the meeting packet. Jim Badowich seconded the motion. A vote of 13 yes, 1 no, 0 abstention and 1 not present was recorded.

e. **Case 09-07 – Revisions to Concrete Materials Specification, Section 725 and 701:** Revisions to Section 725 and portions of Section 701 to make specifications current with modern concrete manufacture, materials and quality control practices. Troy Tobiasson and Jeff Hearne provided a case revision incorporating minor language changes recommended during the last meeting. There was no discussion on this case and no changes to the previous version. Mr. Tobiasson moved to vote on the case as shown in the meeting packet. Jesse Gonzalez seconded the motion. A vote of 14 yes, 0 no, 0 abstention and 1 not present was recorded.

f. **Case 09-09 – Modification to Dust Palliative, Section 792:** Modifications to Section 792 to update dust palliative product, compliance and environmental requirements. There was no discussion on this case and no changes to the previous revision. Peter Kandarlis moved to vote on the case as shown in the meeting packet. Jim Badowich seconded the motion. A vote of 14 yes, 0 no, 0 abstention and 1 not present was recorded.

g. **Case 09-11 – Modification to Dust Palliative Application, Section 230:** Modifications to Section 230 to provide improved field control of palliative application to insure bid conformance. Peter Kandarlis reviewed the revised version in the meeting packet which incorporates revised warrantee language as recommended during the last meeting. The committee made additional changes to clarify deficiency repair language and recommended adding a sentence in the applications section requiring engineer notification by the contractor prior to any application. Mr. Kandarlis moved to vote on the case as modified. Troy Tobiasson seconded the motion. A vote of 14 yes, 0 no, 0 abstention and 1 not present was recorded.

h. **Case 09-13 – ADA-Compliant Dual Sidewalk Ramps:** ADA-compliant details for 35-foot and 20-foot corner radius dual sidewalk ramps. Jesse Gonzalez requested carrying this case over to next year for completion. The committee agreed to this action.

i. **Case 09-14 – ADA-Compliant Single Sidewalk Ramps:** Revising Details 231, 232, 233 and 234 to obtain compliance with ADA requirements. Bob Herz requested carrying this case over to next year for completion. The committee agreed to this action.

j. **Case 09-15 – Revisions to Section 610.4 for Water Line Handling:** Modify Section 610.4 to clarify water line pipe protection measures at the job site prior to placement (during storage or staging) to help prevent contamination. Tom Wilhite requested carrying this case over to next year for completion. The committee agreed to this action.

4. General Discussion:

Bob Herz announced that interest letters had been received from Jesse Gonzalez and Troy Tobiasson for appointment to the committee's chairman and vice-chairman positions, respectively. After discussion, Mr. Herz made a motion that members recommend to the Executive Committee appointment of Mr. Gonzalez and Mr. Tobiasson for the officer positions. Peter Kandaridis seconded the motion. The motion was passed on a unanimous voice vote.

Bob Herz gave the end-of-year advisory attendance report. In accordance with the committee's by-laws, advisory members or their alternates must be in attendance for at least two-thirds of the year's meeting to remain as members. Because the NUCA representatives had only attended 6 of the 10 meetings, their status as an advisory member was terminated and the organization would need to re-apply next year to regain advisory member status. Bill Davis noted that there had been a great deal of turnover with representatives during the past year. Members discussed the process and encouraged Mr. Davis to have NUCA re-apply next year, and recommended NUCA have multiple individuals registered as their representatives so that this problem does not reoccur.

Gordon Haws introduced Mike Samer from the City of Mesa as his possible future replacement on the committee. Gordon Tyus noted that the new member process in the committee's by-laws should be followed if Mr. Samer is to replace Mr. Haws next year.

Jesse Gonzalez initiated a discussion on committee members' need of MAG to recognize and communicate the importance of the case work to city managers and public works directors. A number of the members emphasized the value of the resulting work by the committee and the time commitments needed to produce reliable and comprehensive standards. Gordon Tyus mentioned that he is in the process of preparing a summary of this year's cases that highlights the committee's work. The final report will be available online for agencies to download and may be useful for this purpose.

5. Adjournment:

The meeting was adjourned at 3:28 p.m.

**2010 MEETING SCHEDULE
MARICOPA ASSOCIATION OF GOVERNMENTS
STANDARD SPECIFICATIONS AND DETAILS COMMITTEE**

MAG CHOLLA ROOM – 1:30 P.M.

DATE	ACTIVITY
January 6, 2010	Committee Meeting
February 3, 2010	Committee Meeting
March 3, 2010	Committee Meeting
April 7, 2010	Committee Meeting
May 5, 2010	Committee Meeting
June 2, 2010	Committee Meeting
July 7, 2010	Committee Meeting Last meeting to submit new cases for this year.
August 4, 2010	Committee Meeting
September 1, 2010	Committee Meeting Last regular meeting
October 6, 2010	Optional Committee Meeting

LIST OF MEMBERS
For
MAG Standard Specifications and Details Committee

Page 1 of 4
January 2010

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LIST OF MEMBERS
For
MAG Standard Specifications and Details Committee

Page 2 of 4
January 2010

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LIST OF MEMBERS
For
MAG Standard Specifications and Details Committee

Page 3 of 4
January 2010

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ASSOCIATIONS:

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LIST OF MEMBERS
For
MAG Standard Specifications and Details Committee

Page 4 of 4
January 2010

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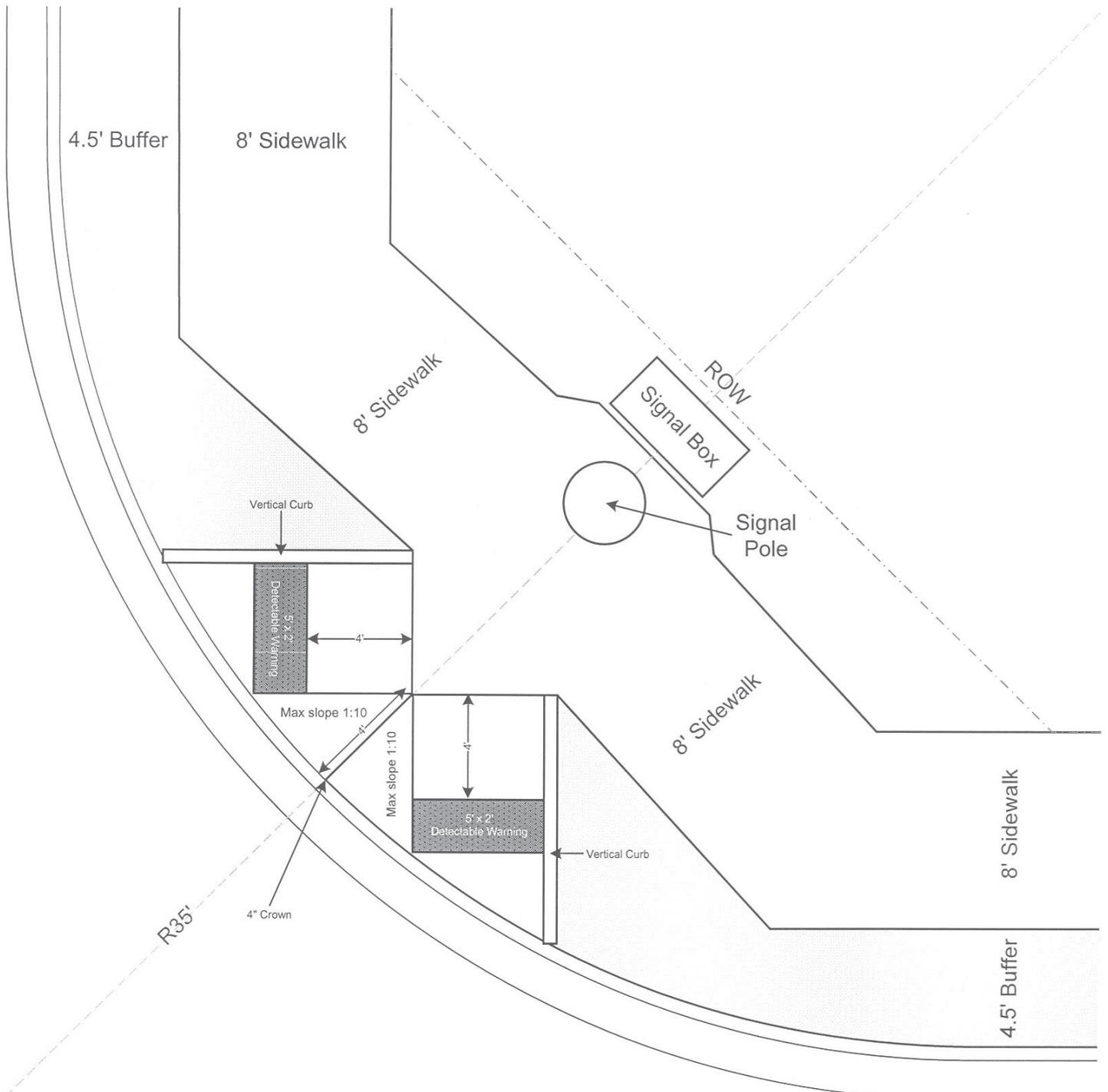
2010 PROPOSED REVISIONS TO MAG SPECIFICATIONS AND DETAILS

(Updated information can be found on the website: <http://www.mag.maricopa.gov/detail.cms?item=11284>)

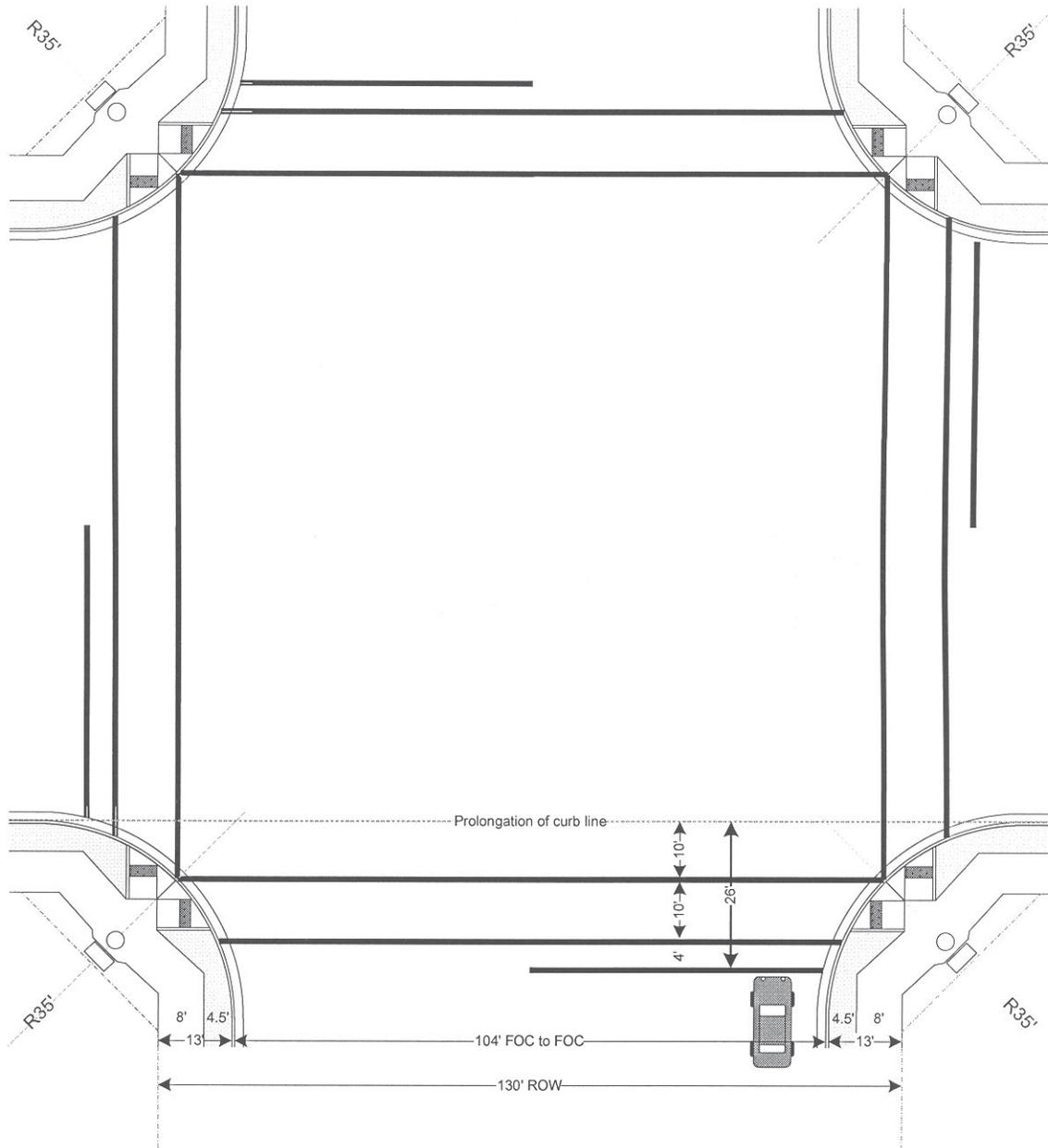
CASE	DESCRIPTION	PROPOSED BY	MEMBER	SUBMITTAL DATE Last Revision	VOTE DATE	VOTE
09-13	Case 09-13 : Dual Curb Ramp Details	Peoria	Jesse Gonzales	07/01/2009		0 Yes 0 No 0 Abstain
09-14	Case 09-14 : Revise Ramps for ADA Compliance, Details 231, 232, 233 and 234	MCDOT	Bob Herz	07/01/2009		0 Yes 0 No 0 Abstain
09-15	Case 09-15 : Revisions to Section 610.4: Pipe Protection	Tempe	Tom Wilhite	07/01/2009		0 Yes 0 No 0 Abstain
10-01						0 Yes 0 No 0 Abstain
10-02						0 Yes 0 No 0 Abstain
10-03						0 Yes 0 No 0 Abstain
10-04						0 Yes 0 No 0 Abstain
10-05						0 Yes 0 No 0 Abstain
10-06						0 Yes 0 No 0 Abstain
10-07						0 Yes 0 No 0 Abstain

* Case was approved with verbal modifications at time of voting.

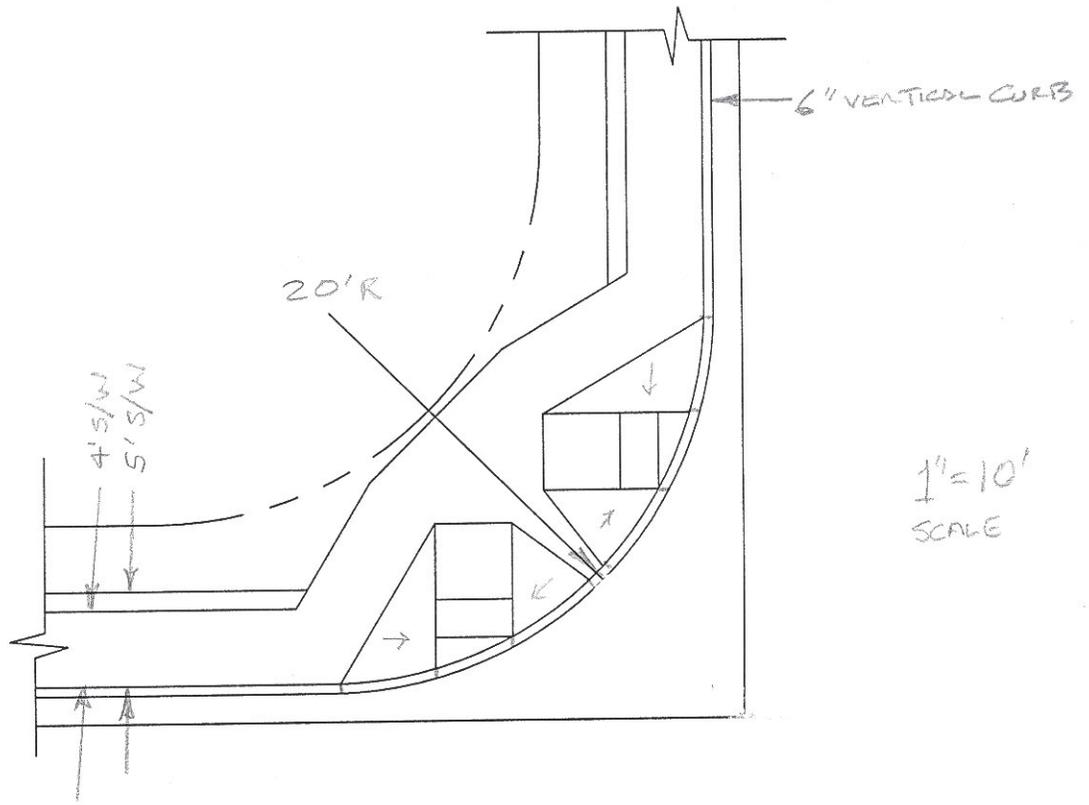
35' Radius Wheelchair Ramps

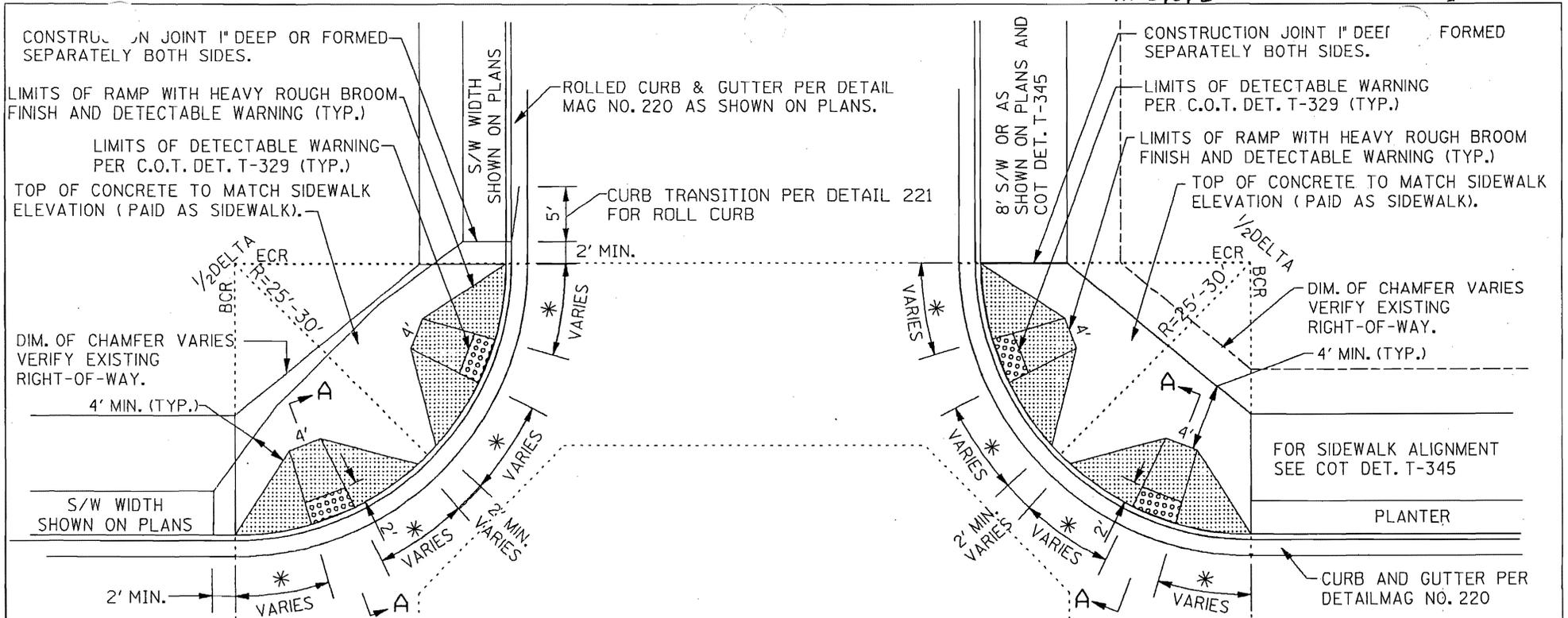


Major Arterial Intersection



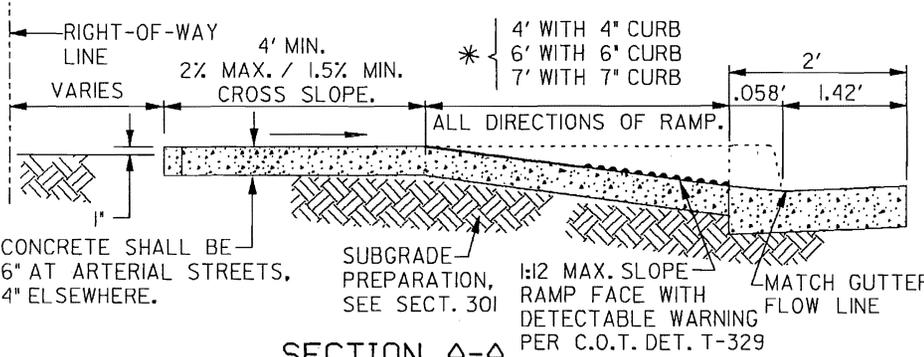
Scale 1" = 30'





SIDEWALK RAMP DETAIL
 NO PLANTERS
 (LOCAL - LOCAL)
 (LOCAL - COLLECTOR)

SIDEWALK RAMP DETAIL
 WITH PLANTERS
 (LOCAL - ARTERIAL)



NOTES:

1. RAMP PREFERENCE SEE NOTE IN DETAIL T-115. UNDER "REFER TO TEMPE STANDARD DETAILS".
2. CLASS 'B' CONC. CONSTRUCTION AS PER SECT. 725.
3. WIDTH OF CONC. SIDEWALK SHALL BE 8' ALONG ARTERIAL STREETS, 6' ELSEWHERE. 5'-6' LOCAL STREETS MAY BE APPROVED BY CITY.
4. SUFFICIENT RIGHT-OF-WAY MUST BE AVAILABLE TO CONSTRUCT RAMPS.
5. FOR SLOPING TRANSITION FROM RAMP TO CURB SEE C.O.T. DET. T-326.
6. THIS DETAIL IS APPLICABLE WHERE THE GRADE BREAK AT THE GUTTER LINE (COUNTER SLOPE) IS AT OR BELOW 11%, AND IF THE PERCENTAGE WOULD BE GREATER DUE TO AN UNUSUALLY STEEP GUTTER OR STREET CROWN, AN ALTERNATIVE DESIGN MUST BE APPROVED BY CITY.

APPROVED: Andy 7/2/07
 DEPUTY PUBLIC WORKS MANAGER DATE
 CITY ENGINEER



MARICOPA COUNTY
Department of Transportation

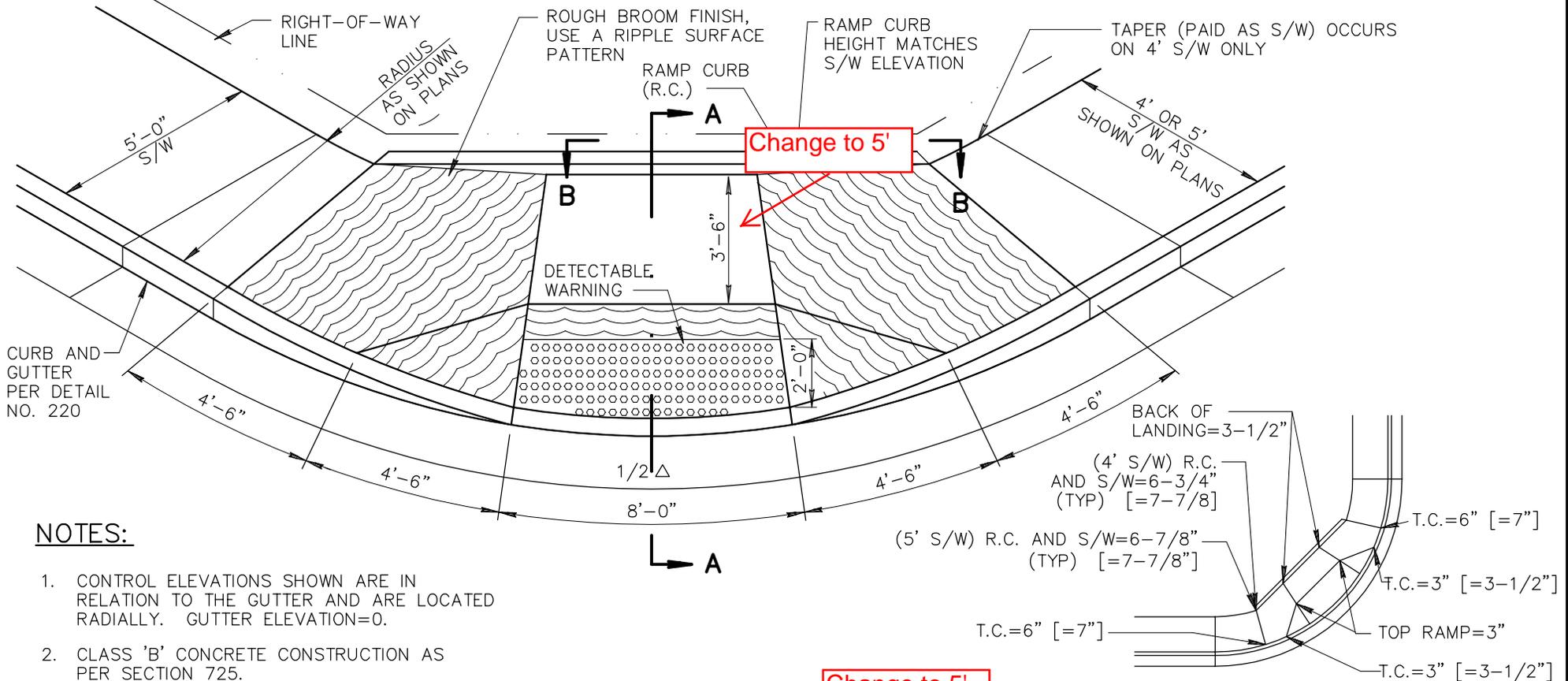
MEMORANDUM

Date: July 1, 2009
To: MAG Specifications and Details Committee
From: Robert Herz, MCDOT Representative
Subject: Revise Details 231, 232, 233, and 234

Case 09-14

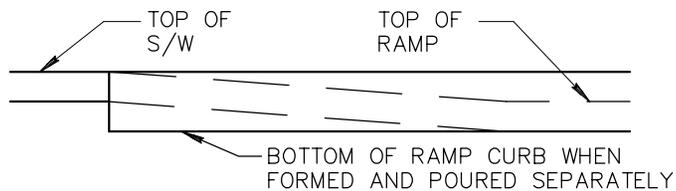
PURPOSE: Revise Details 231, 232, 233, and 234 to obtain compliance with ADA requirements. MAG Details 231 and 233 have undersized landing areas for turning. Details 232 and 234 are non-compliant since the path going across the ramp exceeds the allowable 2% maximum cross slope for sidewalk.

REVISION: Details 231 and 233 – Revise landing dimensions to obtain a 5' by 5' landing.
Details 232 and 234 – Revise length of side ramps to obtain a 1.5% cross slope for the landing at the bottom of the ramps.

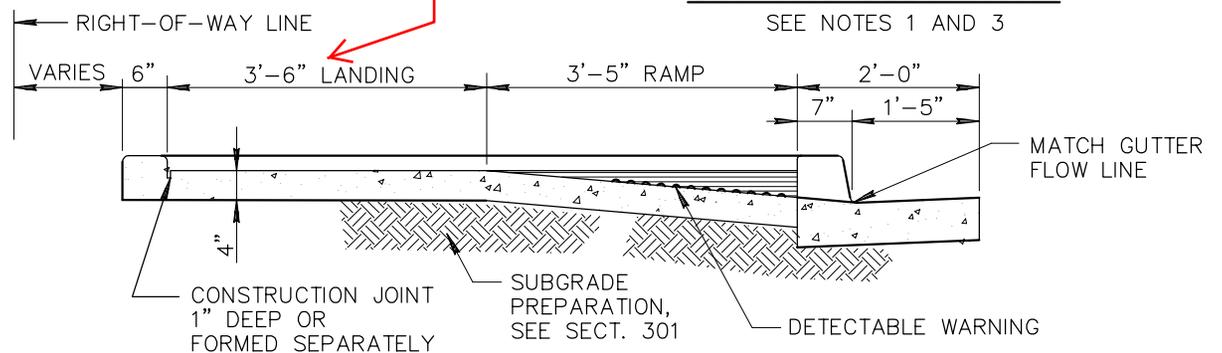


NOTES:

- CONTROL ELEVATIONS SHOWN ARE IN RELATION TO THE GUTTER AND ARE LOCATED RADIALLY. GUTTER ELEVATION=0.
- CLASS 'B' CONCRETE CONSTRUCTION AS PER SECTION 725.
- WHEN CURB HEIGHTS OF 7" ARE SHOWN ON PLANS, USE DIMENSIONS SHOWN IN []'S.
- DETECTABLE WARNING IS TO COMPLY WITH THE JURISDICTIONAL AGENCY'S REQUIREMENTS.



SECTION B-B



SECTION A-A

CONTROL ELEVATIONS

SEE NOTES 1 AND 3

DETAIL NO.

231



**STANDARD DETAIL
ENGLISH**

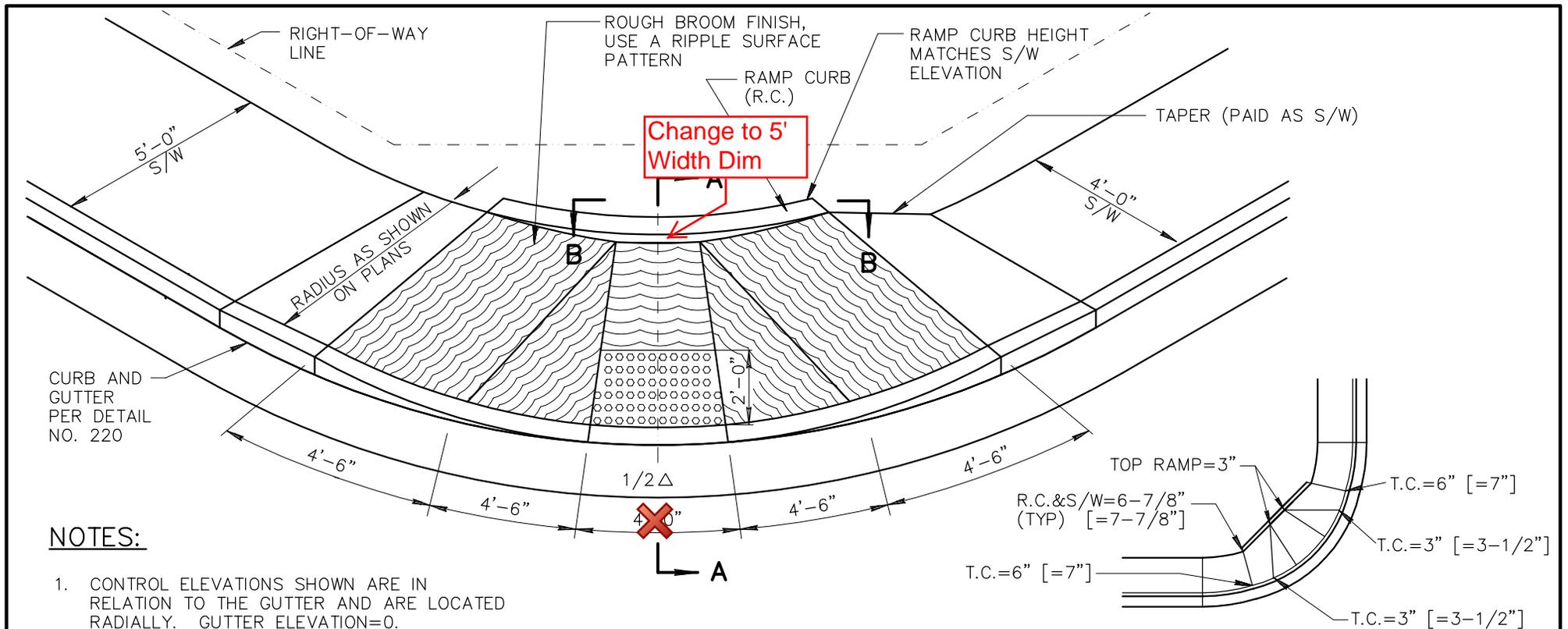
SIDEWALK RAMPS - TYPE 'A'

REVISED

01-01-2006

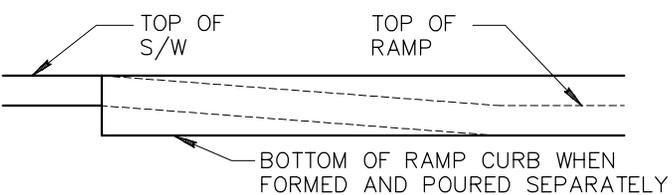
DETAIL NO.

231

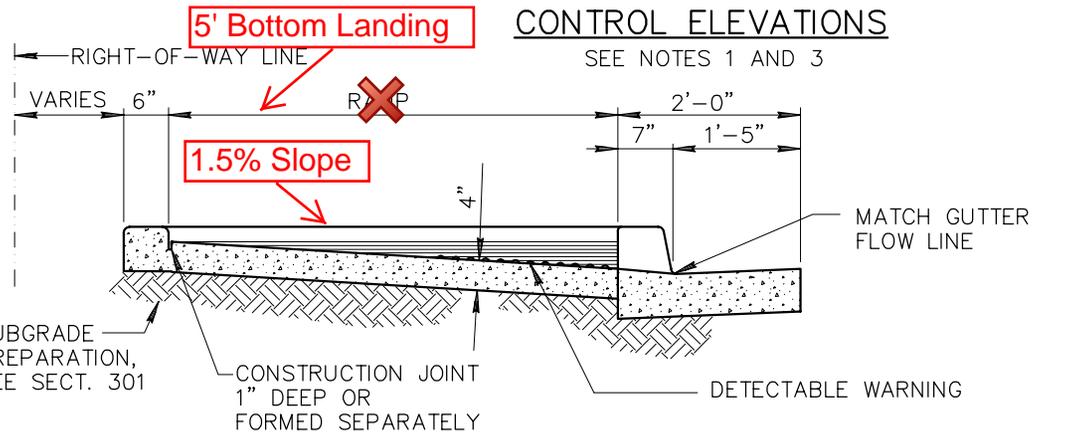


NOTES:

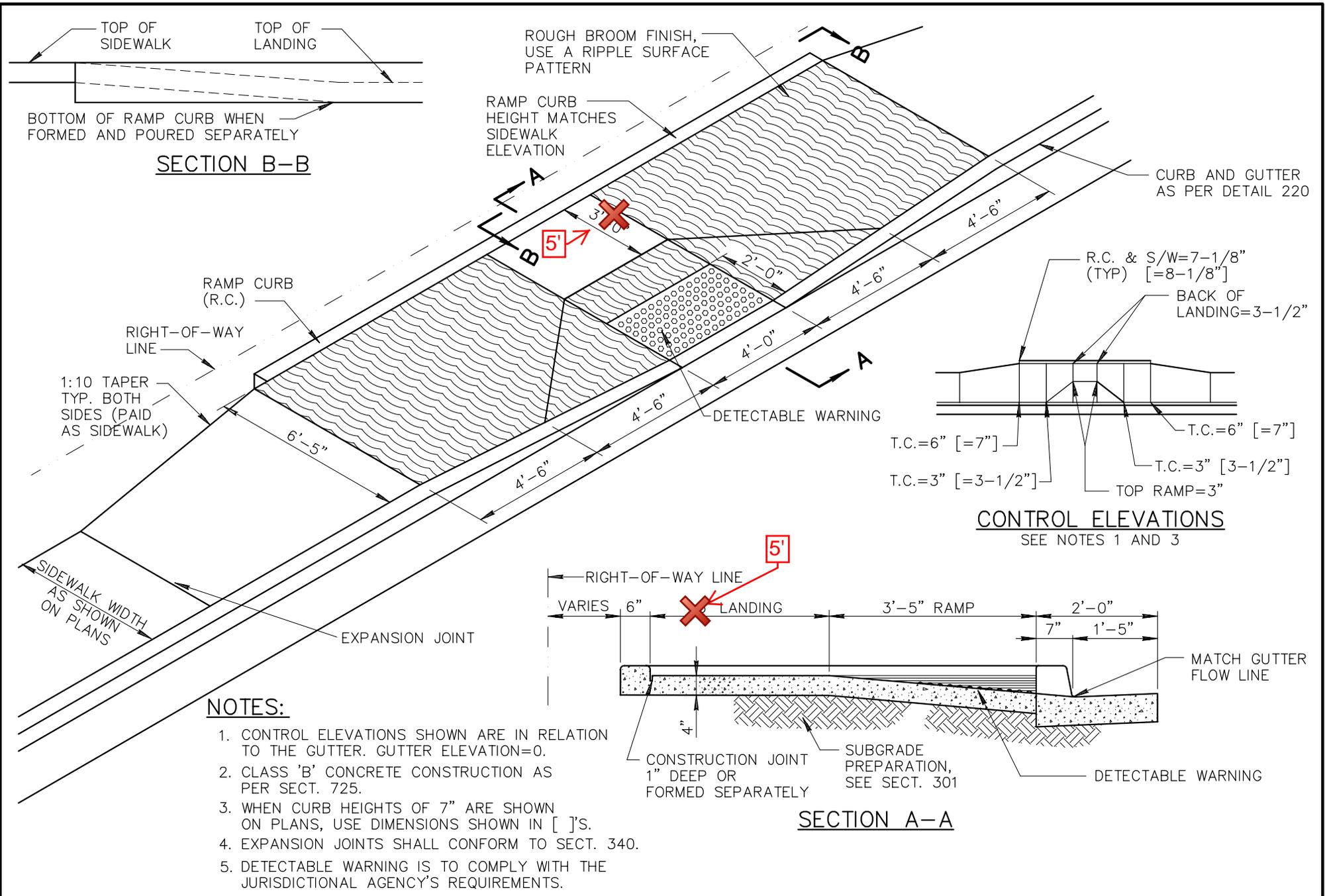
1. CONTROL ELEVATIONS SHOWN ARE IN RELATION TO THE GUTTER AND ARE LOCATED RADIALLY. GUTTER ELEVATION=0.
2. CLASS 'B' CONCRETE CONSTRUCTION AS PER SECT. 725.
3. WHEN CURB HEIGHTS OF 7" ARE SHOWN ON PLANS, USE DIMENSIONS SHOWN IN []'S.
4. DETECTABLE WARNING IS TO COMPLY WITH THE JURISDICTIONAL AGENCY'S REQUIREMENTS.



SECTION B-B



SECTION A-A



DETAIL NO.

233



STANDARD DETAIL
ENGLISH

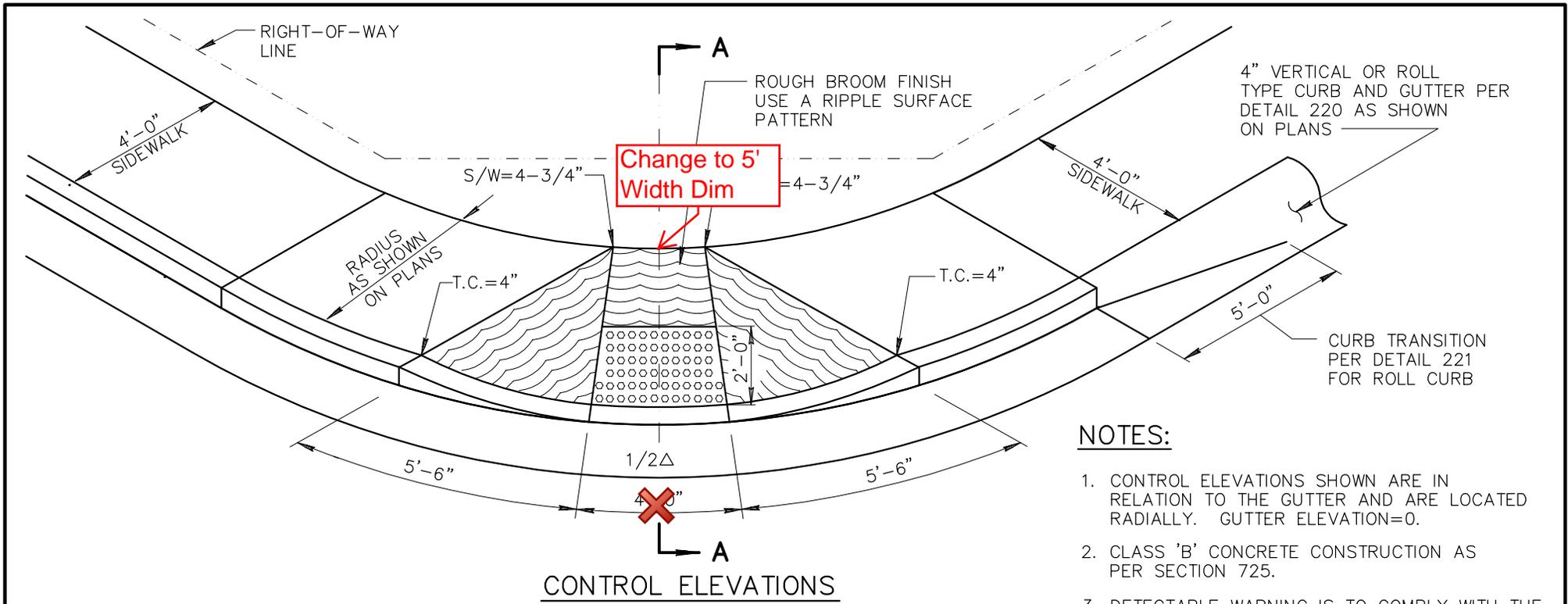
SIDEWALK RAMPS - TYPE 'C'

REVISED

01-01-2006

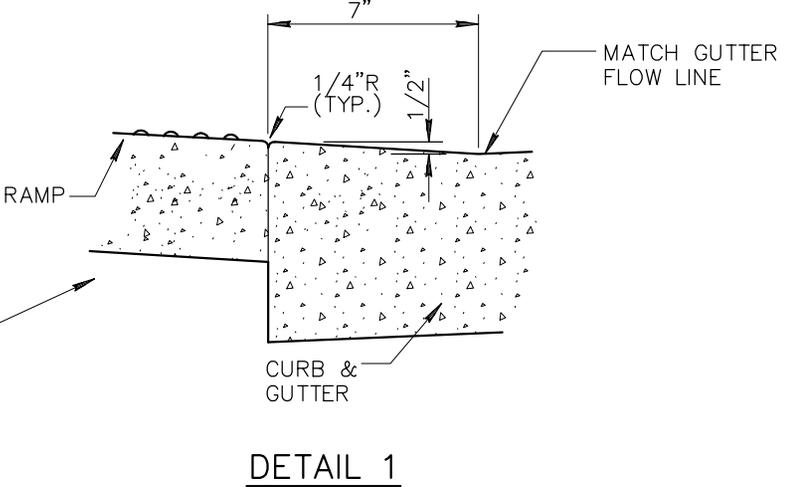
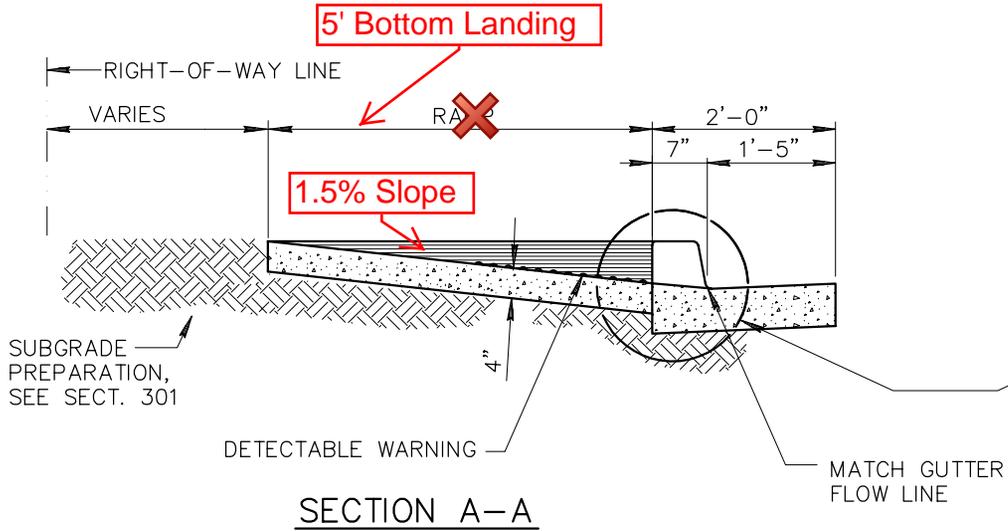
DETAIL NO.

233

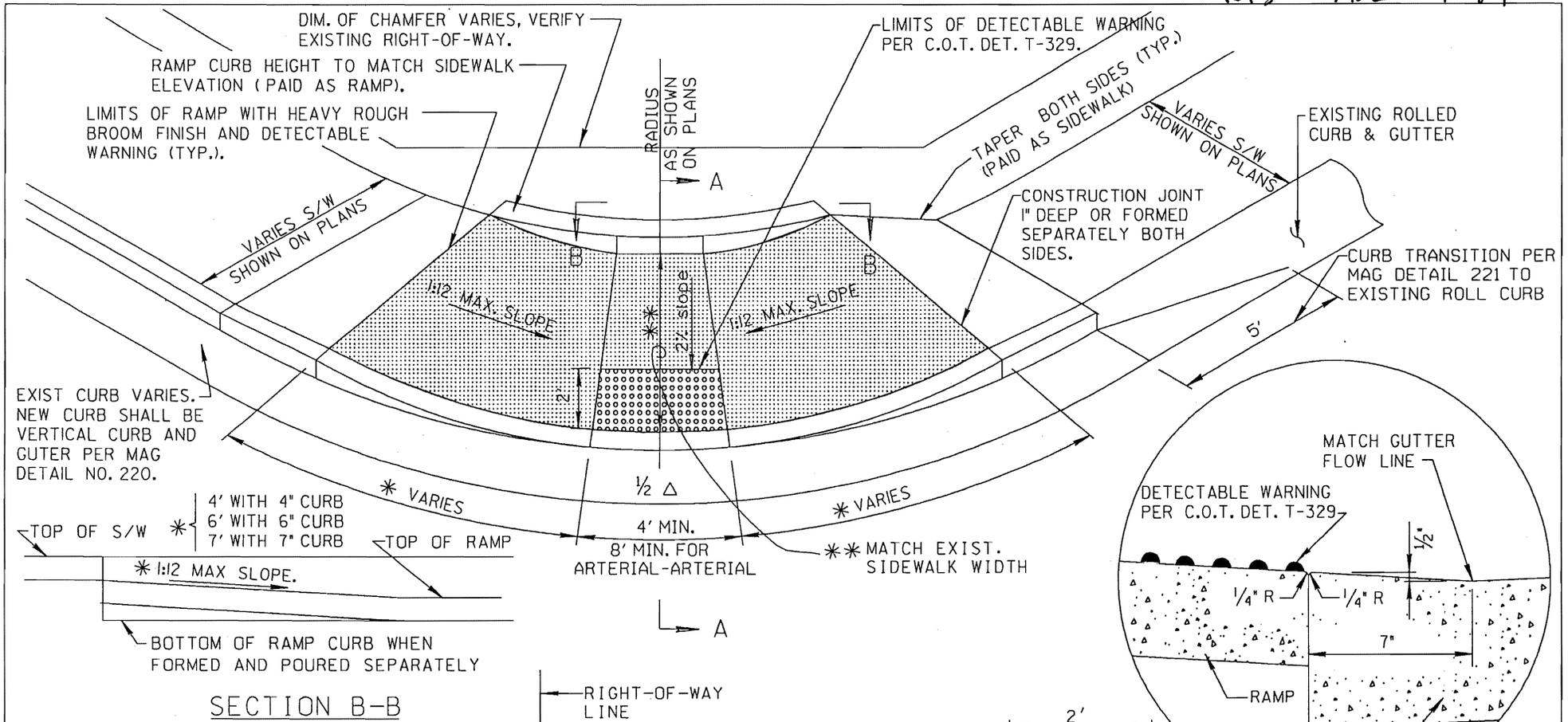


NOTES:

1. CONTROL ELEVATIONS SHOWN ARE IN RELATION TO THE GUTTER AND ARE LOCATED RADIALLY. GUTTER ELEVATION=0.
2. CLASS 'B' CONCRETE CONSTRUCTION AS PER SECTION 725.
3. DETECTABLE WARNING IS TO COMPLY WITH THE JURISDICTIONAL AGENCY'S REQUIREMENTS.

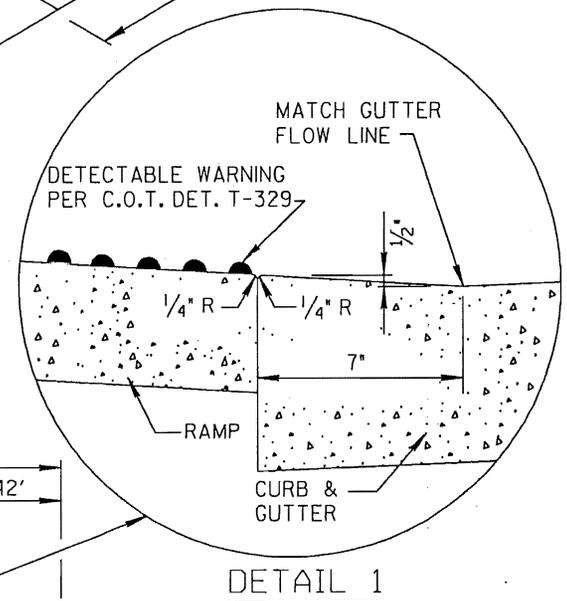
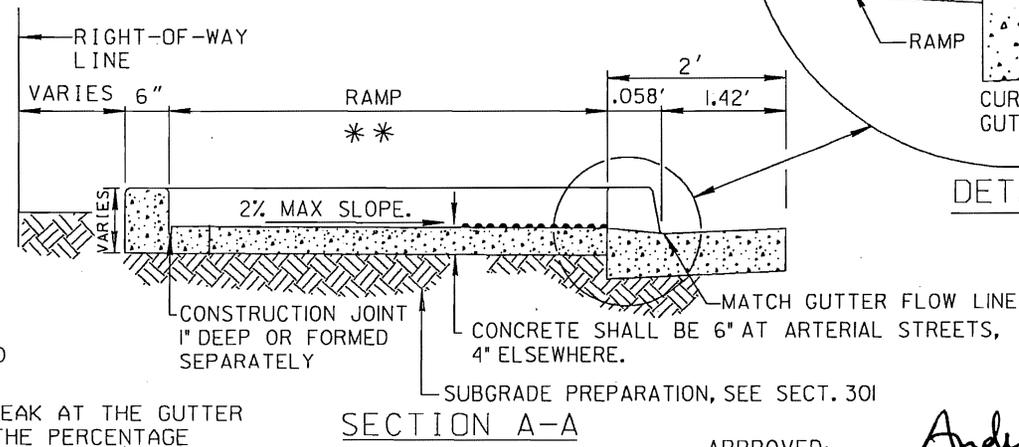


COMMENTS - CASE 09-14



NOTES:

1. RAMP PREFERENCE SEE NOTE IN DETAIL T-115. UNDER "REFER TO TEMPE STANDARD DETAILS".
2. CLASS 'B' CONC. CONSTRUCTION AS PER SECT. 725.
3. WIDTH OF CONC. SIDEWALK SHALL BE 8' ALONG ARTERIAL STREETS, 6' ELSEWHERE. 5'-6" LOCAL STREETS MAY BE APPROVED BY CITY.
4. SUFFICIENT RIGHT-WAY-OF-WAY MUST BE AVAILABLE TO CONSTRUCT RAMPS.
5. THIS DETAIL IS APPLICABLE WHERE THE GRADE BREAK AT THE GUTTER LINE (COUNTER SLOPE) IS AT OR BELOW 11%, AND IF THE PERCENTAGE WOULD BE GREATER DUE TO AN UNUSUALLY STEEP GUTTER OR STREET CROWN, AN ALTERNATIVE DESIGN MUST BE APPROVED BY CITY.



APPROVED: Andy Cole 8/16/05
 DEPUTY PUBLIC WORKS MANAGER
 CITY ENGINEER

610.4 CONSTRUCTION METHODS:

All water mains in major streets shall have a minimum cover of 48 inches over the top of the pipe. Water mains in other locations shall have a minimum cover over the top of the pipe as follows:

- (A) 36 inches for mains smaller than 12 inches.
- (B) 48 inches for mains 12 inches and larger.

Cover for water mains will be measured from existing or proposed finished grade of pavement or from natural ground, whichever is deeper.

No water main shall be deflected, either vertically or horizontally, in excess of that recommended by the manufacturer of the pipe or coupling, without the appropriate use of bends or offsets.

If adjustment of the position of a length of pipe is required after it has been laid, it shall be removed and rejoined as for a new pipe.

Every precaution shall be taken to prevent foreign material from entering the pipe. The ends of the pipe shall be plugged or wrapped at all times when a pipe laying is not in progress, which includes storage and staging at the site. The open ends of each pipe section shall be protected from foreign material entering by taped closure of the polywrap when the pipe is stored or staged. The pipe line shall be protected by a water-tight plug or other means approved by the Engineer when the pipe is in the trench if pipe laying is not in progress.

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Where restrained joints are specified on mains sixteen (16) inches in diameter and smaller, ductile iron pipe shall be used with an approved joint restraint method.

On mains sixteen (16) inches in diameter and larger where plans specify welding joints and where ductile iron pipe is furnished, joints shall be restrained by an approved joint restraint method for the distance specified.

Except as otherwise required in this specification, the special provisions, or by the Engineer, trench excavation, backfilling and compaction shall be in accordance with the requirements of Section 601. Backfilling may be accomplished as soon as the pipe line has been installed to the satisfaction of the Engineer, subject to the requirements for testing, as contained below.

Hydrostatic testing shall be in accordance with this specification.

All corporation stops used for testing and chlorination shall be left in the pipe line with the stop closed and all connecting pipe removed.

Curb stops with flushing pipes or fire hydrants shall be installed at the ends of dead-end mains according to standard details.

Thrust blocks shall be installed in accordance with this specification.

Valve boxes and covers shall be according to standard details.

Asbestos-cement pipe shall be installed in accordance with AWWA C-603, except pipe and fittings shall be in accordance with Section 752.

Cast iron pipe shall be installed in accordance with AWWA C-600, except pipe and fittings shall be in accordance with Section 750.

Ductile iron pipe shall be installed in accordance with this specification and pipe and fittings shall be in accordance with Section 750.



National Utility Contractors Association of Arizona

4635 South Lakeshore Drive, Suite 200
Tempe, Arizona 85282-7127
Telephone: 480-775-3943 Facsimile: 602-532-7573
www.nucaaz.org



December 16, 2009

Mr. Gordon Tyrus
Maricopa Association of Governments
Specification Committee
302 North 1st Avenue
Phoenix, AZ 85003-1562

Re: NUCA of Arizona Advisory Membership to the Specifications Committee

Dear Gordon,

I am writing this letter to you to request that we, The National Utility Contractors Association of Arizona be allowed to reestablish our advisory role to the MAG Specifications Committee.

Over the past year, I have noticed that we had 4 absences which I was not aware of until late last month. We have now revised our commitment and assure you that in the future we will attend the meetings as required and expected by members.

If we are allowed to return, we have a contractor member who will be our designated contact and advisor. The person is our President for 2010, Kwigs Bowen, with Team Fishel. I am confident that Kwigs will be a valuable resource for the committee.

We also have a sponsor from the City of Chandler. That sponsor is Warren White, of Chandler's Public Works.

Our past representative Bill Davis may still remain active, and we also have another person who is very knowledgeable in municipal specifications who wants to head up our internal Specifications Committee. His name is Anthony Braun of ALB Piping.

Please let me know as soon as possible what any next steps may be to reinstate our advisory roles to your committee. You may phone me direct at 602-540-1756 (cell) for any additional requirements.

Kindest regards,

A handwritten signature in black ink that reads "Patrick Holmes".

Patrick Holmes
Executive Director

From: Warren.White@chandleraz.gov [mailto:Warren.White@chandleraz.gov]
Sent: Friday, October 30, 2009 1:46 PM
To: gtyus@mag.maricopa.gov
Subject: National Utilities Contractors Association - Sponsorship

Gordon,

I would like to sponsor Bill Davis of the National Utilities Contractors Association (NUCA) as an advisory member of our board. NUCA has been an active contractor association in our area for over 20 years. Bill has been in the underground construction industry since 1994 and has worked in the Phoenix area for 2-1/2 years. His expertise is in HDPE drainage pipe, underground retention systems, geotextile fabrics, and other drainage specialties. He is highly visible within the local engineering, contractor, and builder community and is employed by Advanced Drainage Systems.

NUCA was unable to attend the required amount of meetings during 2009, however Bill has made his commitment to attend clear, and is excited about contributing to the group in 2010.

Please submit NUCA for re-admittance to the board during the 2010 January meeting.

Sincerely,

Warren White, P.E.,
Principal Engineer
City of Chandler
Public Works, Engineering,
Data and Mapping Services
Ph. - (480) 782 3337
Fx - (480) 782 3350
Email: warren.white@chandleraz.gov

 **Think Environment Before Printing** 

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MAG Specifications and Details Committee agenda	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Name _____ Date _____