

**MAG OUTSIDE RIGHT-OF-WAY WORKING GROUP
SUMMARY REVIEW OF EXISTING MAG SECTIONS**

1/25/2011

Section	Title	Put in Outside ROW Std	Modify	Minor Change	Action
Sections to be Excluded from Outside ROW Standards					
206	Structure Excavation and Backfill	No			
210	Borrow Excavation	No			
320	Road-mixed Surfacing	No			
327	Hot in-Place Recycling	No			
620	Cast-in-place Concrete Pipe	No			
737	Asbestos-Cement Pipe and Fittings for Storm Drain and Sanitary Sewer	No			
752	Asbestos-Cement Water Pipe and Fittings	No			
Sections to be made part of Outside ROW Standards with no changes					
102	Bidding Requirements and Conditions	Yes	No		
103	Award and Execution of Contract	Yes	No		
106	Control of Materials	Yes	No		
109	Measurements and Payments	Yes	No		
110	Notification of Changed Conditions and Dispute Resolution	Yes	No		
215	Earthwork for Open Channels	Yes	No		
220	Riprap Construction	Yes	No		
230	Dust Palliative Application	Yes	No		
306	Mechanically Stabilized Subgrade- Geogrid Reinforcement	Yes	No		
309	Lime Slurry Stabilization	Yes	No		
310	Placement and Construction of Aggregate Base Course	Yes	No		
311	Placement and Construction of Cement Treated Subgrade	Yes	No		
312	Cement Treated Base	Yes	No		
317	Asphalt Milling	Yes	No		
325	Placement and Construction of Asphalt-Rubber Asphalt Concrete	Yes	No		
329	Tack Coat	Yes	No		
330	Asphalt Chip Seal	Yes	No		
331	Microsurfacing Specifications	Yes	No		
332	Asphalt Emulsion Slurry Seal Coat	Yes	No		
333	Fog Seal Coats	Yes	No		
334	Preservative Seal for Asphalt Concrete	Yes	No		
335	Placement and Construction of Hot Asphalt-Rubber Seal	Yes	No		
342	Decorative Pavement Concrete Paving Stone or Brick	Yes	No		
343	Exposed Aggregate Paving	Yes	No		
345	Adjusting Frames, Covers, Valve Boxes and Water Meter Boxes	Yes	No		
355	Utility Potholes-Keyhole Method	Yes	No		
405	Monuments	Yes	No		
410	Precast Safety Curbs	Yes	No		
415	Flexible Metal Guardrail	Yes	No		
424	Parkway Grading	Yes	No		
425	Topsoils	Yes	No		
602	Encasement of Water or Sewer Pipe by Jacking or Tunneling Operation	Yes	No		
604	Placement of Controlled Low Strength Material	Yes	No		
605	Subdrainage	Yes	No		
625	Manhole Construction and Drop Sewer Connections	Yes	No		
701	Rock, Gravel, and Sand	Yes	No		
702	Base Materials	Yes	No		
703	Riprap	Yes	No		
705	Portland Cement Treated Base	Yes	No		
708	Asphalt Pavement Core Bonding Materials	Yes	No		
711	Paving Asphalt	Yes	No		
712	Liquid Asphalt	Yes	No		
713	Emulsified Asphalts	Yes	No		
714	Microsurfacing Materials	Yes	No		
715	Slurry Seal Materials	Yes	No		
716	Cover Material	Yes	No		
717	Asphalt-rubber	Yes	No		
718	Preservative Seal for Asphalt Concrete	Yes	No		
726	Concrete Curing Materials	Yes	No		
727	Steel Reinforcement	Yes	No		
728	Controlled Low Strength Material	Yes	No		
735	Reinforced Concrete Pipe	Yes	No		
738	High Density Polyethylene Pipe & Fittings for Storm Drain & Sanitary Sewer	Yes	No		
741	Lining for Reinforced Concrete Sanitary Sewer Pipe	Yes	No		
743	Vitrified Clay Pipe	Yes	No		
745	PVC Sewer Pipe and Fittings	Yes	No		
750	Iron Water Pipe and Fittings	Yes	No		
753	Galvanized Pipe and Fittings	Yes	No		
755	Polyethylene Pipe for Water Distribution	Yes	No		
756	Dry Barrel/Fire Hydrants	Yes	No		
758	Concrete Pressure Pipe - Steel Cylinder Type	Yes	No		
759	Steel Pipe	Yes	No		
771	Galvanizing	Yes	No		
776	Masonry Mortar and Grout	Yes	No		
792	Dust Palliative	Yes	No		
796	Geosynthetics	Yes	No		
Sections to be made part of Outside ROW Standards - Changes complete					
101	Abbreviations and Definitions	Yes	Yes	Yes	Done
104	Scope of Work	Yes	Yes	Yes	Done
105	Control of Work	Yes	Yes	Yes	Done
107	Legal Regulations and Responsibility to Public	Yes	Yes	Yes	Done
108	Commencement, Prosecution and Progress	Yes	Yes	Yes	Done
Sections to be reviewed & modified (as part of the Outside ROW Standards)					
201	Clearing and Grubbing	Yes	Yes	Yes	Draft in Review
205	Roadway Excavation	Yes	Yes	No	Draft in Review
211	Fill Construction	Yes	Yes	No	Modify for on-site methods
301	Subgrade Preparation	Yes	Yes	Yes	Modify for on-site methods
321	Asphalt Concrete Pavement	Yes	Yes	Yes	Include parking lot placement
324	Portland Cement Concrete Street Pavement	Yes	Yes	Yes	Scope to be determined
336	Pavement Matching and Surfacing Replacement	Yes	Yes	Yes	Scope to be determined
341	Terrazzo Sidewalks	Yes	Yes	Yes	Deleted from MAG - Modify for on-site methods
350	Removal of Existing Improvements	Yes	Yes	No	Modify for on-site methods
505	Concrete Structures	Yes	Maybe	Yes	Scope to be determined

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SUMMARY REVIEW OF EXISTING MAG SECTIONS**

1/25/2011

Section	Title	Put in Outside ROW Std	Modify	Minor Change	Action
506	Precast Prestressed Concrete Members	Yes	Yes	Yes	Scope to be determined
510	Concrete Block Masonry	Yes	Yes	Yes	Scope to be determined
511	Brick Masonry	Yes	Yes	Yes	Scope to be determined
520	Steel and Aluminum Handrails	Yes	Yes	Yes	Modify for on-site methods
601	Trench Excavation, Backfilling and Compaction	Yes	Maybe	Yes	Modify for on-site methods
603	Installation for High Density Polyethylene Pipe	Yes	Maybe	Maybe	Modify for on-site methods
610	Water Line Construction	Yes	Yes	Yes	Modify for on-site methods
611	Disinfecting Water Mains	Yes	Yes	Yes	Modify for on-site methods
615	Sewer Line Construction	Yes	Yes	No	Design/adapt for smaller pipe diameters
616	Reclaimed Water Line Construction	Yes	Yes	No	Scope to be determined
618	Storm Drain Construction	Yes	Yes	Yes	Review for other materials used outside ROW
631	Water Taps and Meter Service Connections	Not sure			Review for applicability outside ROW
710	Asphalt Concrete	Yes	Yes	Yes	Include parking lot mixes
725	Portland Cement Concrete	Yes	Maybe	Yes	Modify for on-site methods
744	ABS Truss Pipe and Fittings	Not sure			Review for applicability outside ROW
770	Structural and Rivet Steel, Rivets, Bolts, Pins, and Anchor Bolts	Yes	Yes	Yes	Modify for on-site methods
Sections to be reviewed & modified by Concrete Working Group (as part of the MAG Standards)					
340	Concrete Curb, Gutter, Sidewalk, Sidewalk Ramps, Driveway and Alley Entrance	Yes	Yes	Yes	MAG case work
525	Pneumatically Placed Mortar	Yes	Yes	Yes	MAG case work
729	Expansion Joint Filler	Yes	Yes	Yes	MAG case work
775	Brick and Concrete Masonry Units (Blocks)	Yes	Yes	Maybe	MAG case work
Sections to be reviewed & modified by Materials Working Group (as part of the MAG Standards)					
360	Telecommunications Installation	No			MAG case work
401	Traffic Control	Yes	Yes	No	MAG case work
420	Chain Link Fences	Yes	Maybe	Maybe	MAG case work
430	Landscaping and Planting	Yes	Yes	No	MAG case work
440	Sprinkler Irrigation System Installation	Yes	Yes	No	MAG case work
515	Steel Structures	Yes	Yes	Yes	MAG case work
530	Painting	Yes	Yes	No	MAG case work
621	Corrugated Metal Pipe and Arches	Yes	Yes	Yes	MAG case work
757	Sprinkler Irrigation System	Yes	Yes	No	MAG case work
760	Coating Corrugated Metal Pipe and Arches	Yes	Yes	Maybe	MAG case work
761	Structural Plate Pipe, Arches, and Pipe Arches	Yes	Yes	Maybe	MAG case work
772	Chain Link Fence	Yes	Yes	Yes	MAG case work
778	Lumber	Yes	Yes	Yes	MAG case work
779	Wood Preservatives	Yes	Yes	No	MAG case work
790	Paint	Yes	Yes	No	MAG case work
795	Landscape Material	Yes	Yes	No	MAG case work
Sections to be reviewed & modified by Sewer & Water Working Group (as part of the MAG Standards)					
630	Tapping Sleeves, Valves and Valve Boxes on Water Lines	Yes	Yes	Yes	MAG case work
736	Non-Reinforced Concrete Pipe	No			MAG case work
754	Copper Pipe, Tubing and Fittings	Yes	Yes	Yes	MAG case work

**MAG OUTSIDE RIGHT-OF-WAY WORKING GROUP
SUMMARY REVIEW OF EXISTING MAG DETAILS**

1/25/2011

Detail	Title	Put in Outside ROW Std	Modify	Minor Change	Action
Details to be Excluded from Outside ROW Standards					
204	Equipment Crossing	No			
205	Paved Turnout	No			
223	Median Nose Transition	No			
251	Return Type Driveways	No			
260	Alley Entrance	No			
342	Concrete Pressure Pipe Tapping Sleeve	No			
362	Location for New Hydrants	No			
428	Manhole Steps	No			
429	Industrial Waste Control Vault with Manhole	No			
120-2	Survey Marker - Unincorporated Areas of County	No			
231-234	Sidewalk Ramps	No			
250-1&2	Driveway Entrances	No			
262-263	Wing Type Alley Entrance	No			
Details to be made part of Outside ROW Standards with no changes					
101	General Information	Yes	No		
112	Dimensioning for Road Improvement Plans	Yes	No		
130	Barricades	Yes	No		
140	Bollard	Yes	No		
141	Hazard Marker	Yes	No		
150	Precast Safety Curb	Yes	No		
201	Pavement Section and Termination	Yes	No		
203	Scuppers	Yes	No		
211	Standard Trench Plating Detail	Yes	No		
212	Utility Pothole Repair	Yes	No		
221	Curb and Gutter Transitions	Yes	No		
222	Single Curb	Yes	No		
224	Joint for Drainage Inlets and Manhole Covers	Yes	No		
240	Valley Gutter	Yes	No		
252	Bus Bays	Yes	No		
360	Fire Hydrant Installation	Yes	No		
381	Anchor Blocks for Vertical Bends	Yes	No		
421	Offset Manhole for 8" to 30" Pipe	Yes	No		
422	Brick Sewer Manhole and Cover Frame Adjustments	Yes	No		
423	Water Tight 30" Manhole Frame and Cover	Yes	No		
424	24" and 30" Manhole Frame and Cover	Yes	No		
503	Irrigation Standpipe	Yes	No		
506	Irrigation Valve Installation	Yes	No		
524	Storm Drain Lateral Pipe Connections	Yes	No		
535	Catch Basin Type F	Yes	No		
541	Catch Basin Subgrade Drain	Yes	No		
545	End Section Reinforced Concrete Pipe	Yes	No		
552	Concrete Cutoff Walls	Yes	No		
555	Erosion Protection - Gabions	Yes	No		
110-1&2	Plan Symbols	Yes	No		
120-1	Survey Marker	Yes	No		
200-1&2	Backfill, Pavement and Surface Replacement	Yes	No		
206-1to3	Concrete Scuppers	Yes	No		
220-1&2	Curb and Gutter	Yes	No		
303-1&2	Joint Restraint for Ductile Iron and PE Wrapped Ductile Iron Water Pipes	Yes	No		
310-314	Cast Iron Water Meter Box Cover	Yes	No		
345-2	4", 6" Water Meter with Onsite Fire Hydrants	Yes	No		
403-1&2	Pipe Support Across Trenches	Yes	No		
403-3	Alternative to Pipe Support	Yes	No		
404-1to3	Water and Sanitary Sewer Separation/Protection	Yes	No		
440-1to4	Sewer Building Connection (Type A, B, C & Stamp Detail)	Yes	No		
501-1to3	Headwalls	Yes	No		
501-4	Headwall Irrigation 18" to 60" Pipe	Yes	No		
501-5	Headwall Drop Inlet	Yes	No		
520-522	Storm Drain Manhole Base and Shaft	Yes	No		
523-1&2	Pressure Manhole	Yes	No		
531-532	Curb Opening Catch Basin (Types A, B & C)	Yes	No		
533-1to4	Catch Basin Type D (Basin, Apron, Grate & Frame)	Yes	No		
534-1to4	Catch Basin Type E (Basin and Details)	Yes	No		
536-1&2	Curb Opening Catch Basin (Details, Sections Cover)	Yes	No		
537-538	Catch Basin (Type G & H)	Yes	No		
539-540-2	Grates for Catch Basins	Yes	No		
Details to be reviewed & modified by Outside ROW Working Group					
145	Safety Rail	Yes	Yes	Yes	Modify to accommodate OSHA onsite needs
210	Residential Speed Hump	Yes	Yes	Yes	(change title for OROW)
230	Sidewalks	Yes	Yes	No	Allow varying widths, mod jointing
320	Concrete Water Meter Boxes	Yes	Yes	No	Allow fiberglass & plastic boxes
405	Broken Sewer Line Replacement	Yes	Yes	Yes	Include more than just clay pipe
510	Corrugated Metal Pipe Installation	Yes	Yes	No	Incorporate underground storage tanks
Details to be reviewed & modified by Concrete Working Group (as part of the MAG Standards)					
225	Concrete Pavers	Yes	Yes	Yes	MAG case work
550	Spillway Inlet and Outlet	Yes	Yes	Yes	MAG case work
Details to be reviewed & modified by Sewer & Water Working Group (as part of the MAG Standards)					
301	Blocking for Water Gate and Butterfly Valves	Yes	Yes	Yes	MAG case work

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1/25/2011

Detail	Title	Put in Outside ROW Std	Modify	Minor Change	Action
321	Standard Water Meter Vault	Yes	Yes	Yes	MAG case work
340	Installing Tapping Sleeves and Valves	No			MAG case work
346	Fire Line Detector Check Valve	Yes	Yes	Yes	MAG case work
370	Vertical Realignment of Water Mains	Yes	Yes	No	MAG case work
380	Thrust Blocks for Water Lines	Yes	Yes	No	MAG case work
389	Curb Stop with Valve Box and Cover	Yes	Yes	No	MAG case work
390	Curb Stop with Flushing Pipes	Yes	Yes	No	MAG case work
392	Debris Cap Installation	No			MAG case work
425	24" Aluminum Manhole Frame and Cover	No			MAG case work
426	Drop Sewer Connection	Yes	Yes	Yes	MAG case work
427	Stub Out and Plugs	Yes	Yes	No	MAG case work
441	Sewer Cleanout	Yes	Yes	Yes	MAG case work
504	Concrete Block Junction Box	Yes	Yes	Yes	MAG case work
302-1&2	Joint Restraint with Tie Rods	Yes	Yes	Yes	MAG case work
345-1	3", 4" and 6" Water Meter	Yes	Yes	Yes	MAG case work
420-1&2	Precast Concrete Sewer Manhole	Yes	Yes	Yes	MAG case work
502-1&2	Trash Rack	Yes	Yes	Yes	MAG case work
505	Concrete Pipe Collars	Yes	Yes	No	MAG case work
507	Encased Concrete Pipe (for Shallow Installation)	Yes	Maybe		MAG case work
	Details to be reviewed & modified by Asphalt Working Group (as part of the MAG Standards)				
202	Alley Details	Yes	Yes	Yes	MAG case work
	Details to be reviewed & modified by Materials Working Group (as part of the MAG Standards)				
131	Street Sign Base	Yes	Yes	Yes	MAG case work
135	Steel Guard Rail	Yes	Yes	No	MAG case work
160	Chain Link Fence and Gate	Yes	Yes	Yes	MAG case work
270	Frame & Cover (and Grade Adjustments)	Yes	Yes	Yes	MAG case work
391-1&2	Valve Box Installation and Grade Adjustment	Yes	Yes	No	MAG case work