



This is a checklist for the Civil and Site Inspectors that delineates minimum inspection requirements for permits relating to grading and drainage, stockpile, haul, drainage facilities, storm water management, sewer, water, dry utilities, concrete, paving, and landscape. The checklist information shown is the minimum required construction inspections for commercial and residential construction. Additional inspections and nature of inspection may vary from job to job. The intent of this checklist is to be used as a guide of the "best" inspection practices by the Civil & Site Inspection Team. Questions may be directed to city of Phoenix, Planning & Development Department, 200 W. Washington, 3rd Floor, Phoenix, AZ 85003.

## **GENERAL INFORMATION for Inspectors, Contractors, Developers, and Owners**

Inspectors use the following current regulations as reference for construction inspections:

- City of Phoenix Ordinance - Chapters 31, 32, 32A, and 32C
- MAG Uniform Standard Specifications for Public Works Construction 2005
- MAG Uniform Standard Details for Public Works Construction 200
- City of Phoenix Supplements Uniform Standard Specifications for Public Works Construction 2005
- City of Phoenix Traffic Barricade Manual

### **TO REQUEST AN INSPECTION, CALL 602-262-7811 (voice) or (602) 534-5500 (TTY).**

You will be asked for a permit number, address of the inspection, and type of inspection you want. The Planning & Development Department Civil Engineering and Site Inspection Team should be notified forty-eight (48) hours before any on-site and/or off-site construction begins.

### **PLEASE PROVIDE THE FOLLOWING INFORMATION AT THE JOBSITE:**

- Permit posted or available on site
- Posted property address
- Approved city of Phoenix plans with proper approval stamps
- Safe access for the inspector; unlocked gates, clear roadway entrances, etc.

### **TO SPEAK WITH AN INSPECTOR:**

Call 602-262-7811 (voice) or (602) 534-5500 (TTY) and leave a (non-pager) phone number. Staff will take your message and relay it to an inspector for a return call. Be sure to leave your name, the name and address of the project, permit number, and the nature of your request.

### **GUARANTEED SECOND OPINION:**

Field supervisors will provide assistance with resolving code issues. If the field supervisor is out of the office, leave a (non-pager) phone number and the assigned supervisor will make every attempt to call you no later than the following morning. Be sure to provide your name, the name and address of the project, the field inspector's name (if known), and the nature of your issue. Refer to the area designations on page 8 for appropriate field supervisor contact.

**FOR ALL INSPECTIONS**

- Permit posted or available on site
- Address posted on site
- City approved plans

**PERMIT PROCESS TO CONSTRUCTION INSPECTOR**

- Permit Issued by counter staff (Counter 8).
- Approved plans and permit sent to inspections supervisor.
- Inspector receives permit and plans from supervisor.
- Contractor notifies inspector 48 hours prior to start of work.
- Inspector notifies Street Transportation Department of street restrictions.
- Barricading checked by inspector.

**Grading and Drainage Construction**

- Review Grading and Drainage Plans: Review Grading and Drainage plans and procedures for grading and drainage work with general contractor, developer, and/or responsible party at project site. Standard - Chapter 32A-2 & 32A-20A, B & C of the Grading and Drainage Ordinance.
- Construction Staking: Field check and verify proposed elevations, stakes, cut and fill stakes, invert and off-set staking for drainage pipes, drains, dry wells, all drainage facilities, retention areas, etc. Standard - Chapter 32A-2 & 32A-14, 15 & 16 of the Grading and Drainage Ordinance.
- Existing Drainage Facilities: Field check that no person shall alter any natural drainage courses or existing drainage facility in such away as to damage, endanger or endanger by flooding, erosion or any other means, any public or private property or improvements. Standards - Chapter 32A-17 of the Grading and Drainage Ordinance.
- Grading: Inspection of grading and drainage work and compaction control of soils testing agency. Standard - Chapter 32A-18A, B, C & D of the Grading and Drainage Ordinance.
- Modification of Approved Plan/Plan Revisions: Review and discuss proposed plan revision with developers' representatives. No modification of approved plans may be made without the approval of DSD staff. Standard - Chapter 32A-21 of the Grading and Drainage Ordinance.
- Completion of Work/Final: Upon completion of grading and drainage work, certified record drawings of all grading, lot drainage, drainage facilities, pad or minimum finish floor elevations, etc., have been completed in conformance with the city approved plans and submitted to city inspector for review.
- Final Walk-Through: Final walk-through inspection performed by the inspector and contractor. Deficiencies are noted and must be corrected prior to final acceptance of permit.

**Grading and Drainage - Stockpile Construction**

- Stockpile: Check stockpile site, review plans with owner or responsible party. Ensure that material is properly placed per approved plan. Standard - Chapter 32A-7 & 32A-9 of the Grading and Drainage Ordinance.
- Intent: Temporary storage of suitable fill material on private property. Check site to ensure that no adverse condition will occur as result of placement of material. Standard - Chapter 32A-6, 7 & 9 of the Grading and Drainage Ordinance.
- Aesthetics: Ensure that stockpiles are placed in such a way as to minimize nuisance to public and that consideration is given to storm water drainage patterns, dust control, safety, and aesthetic appearances. Standard - Chapter 32A-2 of the Grading and Drainage Ordinance.
- Topography: Field check existing site condition, topographic elevations, both on-site and of adjacent properties to prevent flooding, damage, safety hazards, etc. to surrounding areas and ensure minimum impact to adjacent areas. Standard - Chapter 32A-2 & 7 of the Grading and Drainage Ordinance.

### Grading and Drainage - Stockpile Construction (Continued)

- Fill: Ensure that stockpile fill quantities do not exceed approved fill calculations in cubic yards. Standard - Chapter 32A-2 of the Grading and Drainage Ordinance.
- Fencing and/or Height Requirement: Ensure that entire stockpile site is fenced for stockpiles greater than four (4) feet in height and side slopes are not greater than 2 to 1 for stockpiles greater than four (4) feet or 1½ to 1 for stockpiles less than four (4) feet. Standard - Chapter 32A-2 & 32A-15d of the Grading and Drainage Ordinance.
- Final: Final disposition of permit must occur within 18 months. Permit may be finalized if stockpile is placed and compacted in an engineer fill utilized as earthfill as part of a city approved Grading and Drainage Plan with permit, or hauled to a landfill or other permitted site. Standard - Chapter 32A-10 of the Grading and Drainage Ordinance.
- Haul Permit: Haul Permit is required if stockpile is in excess of 10,000 cubic yards and must be issued concurrently with Stockpile Permit. Standard - Chapter 32A-6 of the Grading and Drainage Ordinance.

### Grading and Drainage - Haul Permit

- Haul Routes: Review Haul Plans with contractor and or responsible parties. Check haul routes for cleanliness. Ensure that contractor provides continuous clean-up and final clean-up of all streets used for hauling. Standard - Chapter 36 of the Phoenix Code.
- Traffic Control: Ensure that contractor complies with the approved Haul Plans and provides adequate and required traffic control measures, i.e., utilization of police officers, flagmen, signs, barricades, detours, etc. Standard - Chapter 36 of the Phoenix Code.
- Complaints: Review and assist in the mitigation of complaints. Ensure that contractor resolves all complaints in a timely manner. Issuance of an inspector's Notice to Contractor or corrective measures necessary to prevent creation of a nuisance or hazard to the public. Standard - Chapter 36-88.07a & b of the Phoenix City Code.
- Haul Monitoring: Spot check haul site, days and hours of operation, and required night haul (extended hours permit) if applicable. Verify number of trucks used and frequency of trucks entering and leaving site. Ensure that primary and alternate routes are being used per approved plan.
- Final: Ensure that contractor has completed entire haul of import or exported material; that all haul routes used are clean and free of debris, dirt tracking, and all damages caused by haul are properly repaired. Standard - Chapter 36 of the Phoenix Code.

### Storm Drain Facilities Construction

- Street Restrictions: Inspector notifies Street Transportation Department of street restrictions required for construction. Standard - city of Phoenix Street Barricade Manual.
- Construction Staking: Check alignment and elevation staking for all permitted storm drain mains, catch basins, laterals, inlets, box culverts, drainage pipes, head walls, etc. Standard - DSD Regulation Construction Staking Requirements.
- Storm Drain Line and Structures Inspection: Ensure that pipe furnished is of the type, class, and size required by the permitted plans. Ensure that the pipe and/or storm drain devices are properly assembled, constructed, installed at locations shown on plan. Standard - DSD Private Lab Testing Policy and MAG 618.
- Storm Drain Line Bedding: Ensure that the material used for pipe bedding and that the compaction of the bedding material is satisfactory prior to the backfilling of the trench. Standard - DSD Private Lab Testing Policy, MAG 601 & 603, ASTM 2977 & 3077, ASSHTO T-90 and COP MAG Supplements.
- Storm Drain Line and Structures Backfill and Compaction: Verify the quality of the backfill, the maximum lift height for size of the trench, the adequacy and uniformity of the compaction, and that the correct type of backfill is used for location of the trench. Standard - DSD Private Lab Testing Policy, MAG 601 & 603, ASTM 2977 & 3077, ASSHTO T-90 and COP MAG Supplements.
- Storm Drain Manhole Construction: Ensure that the manhole base, invert barrel and cone sections, steps and ring and cover, are built in accordance with the plans and specifications. Material testing in accordance with DSD Private Lab Testing Policy. Standard - MAG 601, 625, 725, 775, 776, 787, 500 series standard details, ASTM C-487 and COP MAG Supplements.

### Storm Drain Facilities Construction (Continued)

- Backfill Material and Compaction: Inspector verifies the quality of the backfill, the maximum lift height for the size of the trench, the adequacy and uniformity of the compaction, and that the corrected type of backfill is used for the location of the trench. Material testing in accordance with DSD Private Lab Testing Policy. Standard - MAG 601.4.3 and COP MAG Supplements.
- Pavement Replacement: Inspection of required pavement and/or concrete replacement in accordance with the plans and specifications. Standard - MAG 336 and COP MAG Supplement.
- Permit and As-Built Drawing Processing: Check as-built drawings submitted by Engineer/Land Surveyor for required information; as-built, stamped and processed; permit signed, dated and processed. Standard - DSD Policy on "Procedures and Requirements for Finalization of Water and Sewer Permits."
- Inspection Required After Street Paving: Inspection of final manhole, inlets, catch basins, adjustments, etc. Inspect structures for cleanliness, paint, steps, grading, grout touch-ups, handrails, etc.

### Storm Water Management Plan Permit

- SWMP Preliminary Meeting: Review SWMP permit and plan along with Grading and Drainage Plan at project site with contractor and/or responsible parties. Standard - Chapter 32A & 32C of the Grading and Drainage Ordinance.
- SWMP Site Checks: Field check site for existing grades, drainage facilities, washes, etc. Determine impact of adjacent property and notify contractor of any conflicts or deviations from approved plans.
- Best Management Practice (BMP): Ensure that contractor provides (BMP) work per details on SWMP and storm water control facilities are constructed for controlling erosion, sedimentation, damage, flooding, etc. of surrounding areas.
- Control Methods: Ensure that contractor constructs various protection devices per approved plans, such as but not limited to temporary diversion dikes, drainage swales, straw bail barriers, silt fences, temporary sediment traps, gravel filter berms, storm drain inlet protection, etc.
- Field Report: Field Check site and perform a visual inspection of construction site a minimum of once a month and within 24 hours of a storm event greater than or equal to 0.5 inches or more. Request a copy of Storm Report from contractor or responsible party documenting condition of SWMP controls after storm event.
- Final: Obtain Notice of Termination (NOT) from contractor or responsible party after completion of all construction.

### Sanitary Sewer Main Construction

- Street Restrictions: Inspector notifies Street Transportation Department of street restrictions required for construction. Standard - city of Phoenix Street Barricade Manual.
- Construction Staking: Check alignment and elevation staking for all permitted sanitary sewer construction. Standard - MAG 601.2.3 and DSD Regulation Construction Staking Requirements.
- Grading and Trenching Required Inspection: Check alignment and elevation staking for all permitted sanitary sewer construction. Standard - MAG 601.2.3 to 601.4.1, ASTM D-2922 & D-3017, and COP MAG Supplements.
- Sewer Pipeline Inspection: Ensure that the pipe furnished is of the type, class and size required by the plans. Ensure that the pipe is properly assembled and that service taps and cleanouts have been installed at the locations shown on plans. Materials tested in accordance with DSD Private Lab Testing Policy. Standard - MAG 615.4 to 615.6 and 743 400 series standard details - ASTM C-301, C-700 and COP MAG Supplements.
- Pipe Bedding and Compaction: Ensure that the material used for pipe bedding and that the compaction of the bedding material is satisfactory prior to the backfilling of the trench. Materials tested in accordance with DSD Private Lab Testing Policy. Standard - MAG 601.4.2 - ASTM-2922 & D-3077 - AASHTO T-90 and COP MAG Supplements.
- Backfill Material and Compaction: Inspector verifies the quality of the backfill material, the maximum lift height for the size of the trench, the adequacy and uniformity of the compaction, and that the corrected type of backfill is used for the location of the trench. Material testing in accordance with DSD Private Lab Testing Policy. Standard - MAG 601.4.3 and COP MAG Supplements.

### Sanitary Sewer Main Construction (Continued)

- Manhole/Cleanout Construction: Ensure that the manhole base, invert barrel and cone sections, steps, ring and cover are built in accordance with the plans and specifications. Material testing in accordance with DSD Private Lab Testing Policy. Standard - MAG 601, 625, 725, 775, 776, 787, 400 series standard details - ASTM C-487 and COP MAG Supplements.
- Leak Test: Witness and verify the leak test performed by the contractor. Standard - MAG 615.10 and COP MAG Supplement.
- TV Camera Inspection: Inspector requests a TV camera inspection of the completed sewer lines from the Water and Wastewater Department. Standard - MAG 615.10 and COP MAG Supplements.
- Pavement Replacement: Inspection of required pavement and/or concrete replacement in accordance with the plans and specifications. Standard - MAG 336 and COP MAG Supplement.
- Permit and As-Built Drawing Processing: Check as-built drawings submitted by Engineer/Land Surveyor for required information. As-built stamped and processed; permit signed, dated and processed. Standard - DSD Policy on "Procedures and Requirements for Finalization of Water and Sewer Permits."
- Second Air Test As Required: Monitor and verify a second air test of the sewer system as required in accordance with the DSD "Dry Utility Trenching Policy." Standard - MAG 615.10 and COP MAG Supplements.
- Inspection Required After Street Paving: Inspection of final manhole and cleanout adjustments. Monitor or verify Hydro-vac of sewer system as required. Inspect manholes for cleanliness and insecticide spraying. Standard - MAG 615 and COP MAG Supplements, and DSD Policy "Procedures on Requirements for Finalization of Water and Sewer Permits."

### Water Main Construction

- Street Restrictions: Inspector notifies Street Transportation Department of street restrictions required for construction. Standard - city of Phoenix Street Barricade Manual.
- Construction Staking: Check alignment and elevation staking for all permitted water main construction. Standard - MAG 601.2.3 and DSD Regulation Construction Staking Requirements.
- Grading and Trenching Required Inspection: Ensure that the trench excavation is in accordance with the approved plan and is maintained in a safe condition. Existing utilities must be adequately protected and the waterline must be continuously supported by the bottom of the trench. Material testing in accordance with DSD Private Lab Testing Policy. Standard - MAG 601.2.3 to 601.4.1, ASTM D-2922 & D-3017, and COP MAG Supplements.
- Water Pipeline Inspection: Ensure that the pipe is properly assembled prior to bedding and backfilling of the trench. Materials tested in accordance with DSD Private Lab Testing Policy. Standard - MAG 610.3-610.4, 610.12, 750, 752, AWWA C-104, C-110, C-111, C150, C-151, C-153, C-400, ASTM D-1869 and COP MAG Supplements.
- Pipe Bedding and Compaction: Ensure that the material used for pipe bedding and that the compaction of the bedding material is satisfactory prior to the backfilling of the trench. Materials tested in accordance with DSD Private Lab Testing Policy. Standard - MAG 601.4.2, ASTM-2922 & D-3077, AASHTO T-90, and COP MAG Supplements.
- Thrust Blocking: Ensure that the thrust blocking conforms to the standard details, or that the engineer has obtained approval of an alternative thrust block design and what is constructed conforms to the design. Material testing required or check concrete ticket. Standard - MAG 610.13, standard details 380 & 381, and COP MAG Supplements.
- Fire Hydrant and Valve Inspection: Ensure that the valve, assembly, fire hydrant, and all fittings are installed as required by plans and specifications. Verify that the valve operates correctly. Standard - MAG 610.6, standard details 301, 391-1, 391-2 - AWWA C-600 or C-603, C-104 and COP MAG Supplements.
- Backfill Material and Compaction: Inspector verifies the quality of the backfill material, the maximum lift height for the size of the trench, the adequacy and uniformity of the compaction, and the corrected type of backfill is used for the location of the trench. Material testing in accordance with DSD Private Lab Testing Policy. Standard - MAG 601.4.3 and COP MAG Supplements.

### Water Main Construction (Continued)

- Pressure/Leakage Test: Witness all pressure leakage testing. Inspector may supply contractor with gauges. Contractor performs test and supplies balance of equipment. Standard - MAG 610.14, AWWA C-600, and COP MAG Supplement.
- Line Disinfection: Ensure that the contractor uses the proper equipment and techniques to properly disinfect all of the new lines. Inspector requests the Water Department Lab to perform the bacteriological testing after disinfection. Standard - MAG 611.6 & 611.16 and COP MAG Supplement.
- Pavement Replacement: Inspection of required pavement and/or concrete replacement in accordance with the plans and specifications. Standard - MAG 336 and COP MAG Supplement.
- Permit and As-Built Drawing Processing: Check as-built drawings submitted by Engineer/Land Surveyor for required information. As-built stamped and processed; permit signed, dated and processed. Standard - DSD Policy on "Procedures and Requirements for Finalization of Water and Sewer Permits."
- Inspection Required After Street Paving: Check all water valve boxes and water meter boxes for proper adjustment and cleanliness. Check for fire hydrant "Red Ring" removal. Standard - MAG 615 and COP MAG Supplements, and DSD Policy "Procedures on Requirements for Finalization of Water and Sewer Permits"

### Dry Utilities Construction

- Start of Dry Utilities: Ensure that all wet utilities are completed and accepted.
- Street Restrictions: Inspector notifies Street Transportation Department of street restrictions required for construction. Standard - city of Phoenix Street Barricade Manual.
- Construction Staking: Check alignment and elevation staking for all permitted dry utility crossing within proposed or existing right-of-way. Standard - MAG 601 and DSD Regulation Construction Staking Requirements.
- Trenching Requirements: Ensure that the trench excavation is in accordance with the approved plan and is maintained in a safe condition. All existing utilities must be adequately protected. Material testing in accordance with DSD Private Lab Testing Policy. Standard - MAG 601, ASTM D-2922 & D-3017, and Dry Utility Policy.
- Dry Utility Inspection: Ensure that dry utility such as gas, electric, telephone, cable TV, fiber optics, etc. are not in conflict with sewer mains or water mains within the right-of-way. That conduit or dry utility is installed at the locations within the right-of-way as shown on plans. Standard - DSD Private Lab Testing Policy.
- Dry Utility Bedding and Compaction: Ensure that the material used for bedding and the compaction of bedding material is satisfactory prior to backfilling of trench. Standard - DSD Private Lab Testing Policy.
- Backfill Material and Compaction: Inspector verifies the quality of the backfill material, the maximum lift height for the size of the trench, the adequacy and uniformity of the compaction, and the correct type of backfill is used for the location of the trench. Material testing in accordance with DSD Private Lab Testing Policy. Standard - MAG 601.
- Pavement Replacement: Inspection of required pavement and/or concrete replacement in accordance with the plans and specifications. Standard - MAG 336 and COP MAG Supplement.
- Final Inspection: A walk-through inspection is performed by inspector and contractor. Lab tests maybe required and any deficiencies are noted and must be corrected by contractor prior to finalizing permit.

### Concrete Inspection and Construction

- Street Restrictions: Inspector notifies Street Transportation Department of street restrictions required for construction. Standard - city of Phoenix Street Barricade Manual.
- Preparation: The subgrade must be brought to grade, scarified and compacted prior to placement of curb, gutter, and sidewalk or driveways. Materials tested in accordance with DSD Private Lab Testing Policy. Standard - MAG 301, AASHTO T-90 & T-191, ASTM D-2922.
- Construction Staking: A registered engineer or land surveyor must provide adequate staking to ensure that the item can be built according to plan. The inspector must ensure that the staking is adequate. Standard - MAG 601.2.3 and COP DSD D.R. #545 Construction Staking.

### Concrete Inspection and Construction (Continued)

- Reinforcing Work:** Ensure that the steel has been installed and tied in accordance with the plans prior to placement of the concrete. The steel must be free of rust, dirt, scale, oil, etc. Materials tested in accordance with DSD Private Lab Testing Policy. Standard - MAG 727, ASTM A-82, 185, 615, 670, and ACI-318.
- Form Work:** Ensure that the forms are to line and grade, strong enough to contain the concrete, and that the surfaces of the form have been adequately prepared to receive the concrete. Standard - MAG 340.3.
- Concrete Placement:** Determine if the weather is suitable for pouring. Ensure that the contractor has adequate equipment to place and finish the concrete prior to initiating the pour and that the concrete is properly placed with joints, as required by the plans and specifications. Material tested in accordance with DSD Private Lab Testing Policy. Standard - MAG 340.3, 725 and 729.
- Concrete Finish:** Ensure that the concrete is adequately finished, including tamping, score marks, corner rounding and finish. Check for excessive deviations from grade, or damage caused during removal of the forms, and ensure that the contractor has stamped the work. Standard - MAG 340, 505.6.2, and 505.9.
- Concrete Curing:** Ensure that the contractor takes adequate steps to properly cure the concrete. Standard - MAG 505.8 and 726.
- Final Inspection:** A walk-through inspection is to be performed by the inspector and contractor. Deficiencies will be noted (punch list) and must be corrected by contractor prior to finalizing permit. Ensure that all sidewalk ramps, depressions, driveway wings, etc. are in conformance with ADA requirements. All required drawings, lab tests, and required paper work must be submitted prior to finalization.

### Paving Inspection and Construction

- Street Restrictions:** Inspector notifies Street Transportation Department of street restrictions required for construction. Standard - city of Phoenix Street Barricade Manual.
- Subgrade Prep and Blue Topping:** Contractor must do any cut and fill work required to bring the subgrade to the alignment and grade shown on the plans. Unsuitable material must be removed and the subgrade must be scarified and compacted. Finished grade "Blue Tops" are required. Material tested in accordance with DSD Private Lab Testing Policy. Standard - MAG 205, 211, 301, ASTM D-2922 & D-3017, and COP DSD D.R. #545 Construction Staking.
- ABC Installation and Blue Topping:** Contractor must install and compact an aggregate base course to the thickness shown on the plans. Ensure that the material is placed in the proper number of lifts, adequately watered and compacted, and true to the grades shown on the plans. Finished grade "Blue Tops" are required. Material tested in accordance with DSD Private Lab Testing Policy. Standard - MAG 310, 702.2, ASTM C-117, 131, 136, D-2922 & 3017, AASTHO T-89, 90, 99, 191, and COP DSD D.R. #545 Construction Staking.
- Asphalt Paving and Grades:** Contractor must install the asphalt paving as shown on the plans; verify that the weather is suitable; the contractor has completed all subgrade work, and that adequate equipment and labor is available on the job site to begin the lay down operation. Ensure that the asphaltic concrete is installed in the proper number of lifts, obtains adequate compaction, and is brought to the grades shown on the plan. Verify the uniformity of the material and installation and that tack coats are applied between lifts as needed. Material tested in accordance with DSD Private Lab Testing Policy. Standard - MAG 321, 329, 701, 711, 713, 725, ASTM D-75, 1559, 448, 3381, C-131, 207, and AASMT0 M-17, 29, T-89, 90, 164, 168, & 176.
- Valve and Manhole Adjustments:** After paving, the contractor must bring all frames, covers, and valve boxes to the surface of the asphalt, and install concrete collars. Ensure that the work is done correctly and that none of the adjustments are overlooked. Material tested in accordance with DSD Private Lab Policy. Standard - MAG 345 and 725.
- Survey Monuments:** Ensure that the contractor installs adequate survey monuments at locations shown on plans. Material tested in accordance with DSD Private Lab Policy. Standard - MAG 405 and standard detail 120-1.
- Preservative Coat:** A preservative coat will be applied to the completed paving if deemed necessary by the inspector. Material tested in accordance with DSD Private Lab Policy. Standard - MAG 321.5.5, 334, and 718.
- Final Inspection:** A walk-through inspection is performed by inspector, area supervisor, CE III supervisor, contractor, developer and/or representatives and responsible parties. Deficiencies are noted and must be corrected by the contractor prior to finalizing permit.

**Landscape Construction in Right-of-Way**

- Street Restrictions: Inspector notifies Street Transportation Department of street restrictions required for construction. Standard - city of Phoenix Street Barricade Manual.
- Landscape Review at Site: Review approved plans with contractor or responsible party at job site. Ensure that work is done in compliance with approved plans.
- Irrigation Line Inspection: Ensure that materials used are proper size, type, properly assembled, and installed at the locations shown on plans.
- Irrigation Devices: Ensure that all landscape devices, i.e., valves, controllers, stations, backflow preventers, bubblers, emitters, spray heads, sleeves, mains, taps, etc. are located and installed at locations shown on plans. Verify that system is operational.
- Landscape Planting Inspection: Ensure that plant material is installed per approved plans. Ensure that decomposed granite, river rock, turf, ground cover, shrubs, trees, etc. are planted/placed at the locations shown on plan.
- Landscape in Right-of-Way Maintained by City: Ensure that no turf or high water consumption plant material is installed in public right-of-way. Review plans with contractor and city Parks & Recreation Department or Street Maintenance Department prior to construction. Ensure that irrigation lines, devices, and planting are completed as stated above. Obtain landscape as-builts along with completed punch list. Forward information to COP Parks Supervisor.
- Permit and As-Built in Right-of-Way Maintained by City: Inspector checks as-builts with Parks Department supervisor or representative submitted by landscape architect. When as-builts are accepted they will be stamped, processed, and forwarded to Parks & Recreation Department, Central Records, and DSD Folder.

<b>CONSTRUCTION INSPECTION SUPERVISORS</b>
Carl Edwards, Civil Engineer III All City Limit Cell 602-309-1619; Voice 602-262-7811 TTY 602-534-5500
Max Morales, Civil Inspections Field Supervisor All City Limit Cell 602-309-1344; Voice 602-262-7811 TTY 602-534-5500