



This checklist outlines the minimum inspection requirements for commercial and residential construction permits relating to grading and drainage, stockpile, haul, drainage facilities, storm water management, sewer, water, dry utilities, concrete, paving, and landscape. This checklist details the most common deficiencies detected by Civil Inspectors and was compiled to assist in reducing the number of re-inspections and minimize repairs or delays. Additional inspections and nature of inspection may vary from job to job. For questions or more information, contact the City of Phoenix (City) Planning & Development Department (PDD), 200 W. Washington, 2<sup>nd</sup> Floor, Phoenix, AZ 85003, 602-262-7811 (voice), 7-1-1 (TTY), or <https://www.phoenix.gov/pdd>.

## GENERAL INFORMATION

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

- 2013 City of Phoenix Stormwater Policies and Standards (or current version)
- 2024 City of Phoenix Supplements to MAG 2024 Standard Details
- 2024 City of Phoenix Supplements to MAG 2023 Standard Specifications
- American Association of State Highways and Transportation Officials (AASHTO) Standards
- American Concrete Institute (ACI) Policies
- American Water Works Association (AWWA) Standards
- ASTM Standards (formerly known as American Society for Testing and Materials)
- City of Phoenix Materials Lab
- City of Phoenix Traffic Barricade Manual 9th Edition.
- Phoenix City Code (PCC) - Chapters 31, 32, 32A, and 32C, 36, and 37
- Maricopa Association of Governments (MAG) Uniform Standard Specifications (Standard Specifications) for Public Works Construction 2023
- Maricopa Association of Governments (MAG) Uniform Standard Details (Standard Details) for Public Works Construction 2024

## BEFORE REQUESTING AN INSPECTION

- Purchase and obtain required permits from Civil Permitting Section (Counter 8)
- Obtain a copy of the Approved Plan Set from ProjectDox and/or SHAPEPhx and provide to the Civil Inspector prior to pre-construction meeting.
- Prepare traffic control and barricading plans and Temporary Restrictions and Closures (TRACS) Permit needs for the Inspector's review.

## REQUESTING AN INSPECTION

- At least 48 hours before any construction begins (on-site or off-site) contact the PDD Civil Engineering and/or Site Inspection Team and request a pre-construction meeting by calling Call 602-262-7811 (voice) or 7-1-1 TTY.
- For scheduled inspections, provide at least 24 hours' notice.
- Provide the permit number(s), address of the inspection, and type of inspection needed.

## CONTACTING AN INSPECTOR

- For all inquiries call 602-262-7811 (voice) or 7-1-1 (TTY) for all inquiries.
- Provide a contact name, return phone number, the name and address of the project, permit number, and the nature of the request.
- PDD staff will take your message and relay it to an inspector for a return call within 24 hours.
- Field supervisors will assist with resolving code issues. See page 9 for names and contact details.

## CONSTRUCTION SITE REQUIREMENTS

At a minimum, the following information / conditions must be present and maintained at construction sites:

- ☐ Permit posted or made available to the Inspector
- ☐ Copy of all City approved plan set(s)
- ☐ Copies of State, County, or Federal permits or authorizations as applicable.
- ☐ Address clearly posted
- ☐ Safe access for the Inspector (unlocked gates, clear roadways, etc.)
- ☐ Other requirements as set by plans or permits

## MINIMUM INSPECTION PROCEDURES

### Grading and Drainage - Construction

- ☐ Review Grading and Drainage Plans: Review Grading and Drainage (G&D) plans and procedures for G&D work with general contractor, developer, and/or responsible party at project site.  
Standard – PCC Chapter 32A
- ☐ 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 – PCC Chapter 32A
- ☐ Existing Drainage Facilities: Field check that no person shall alter any natural drainage courses or existing drainage facility in such a way as to damage, endanger or endanger by flooding, erosion or any other means, any public or private property or improvements.  
Standard – PCC Chapter 32A
- ☐ Grading: Inspection of G&D work and compaction control of soils testing agency.  
Standard – PCC Chapter 32A
- ☐ 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 PDD staff.  
Standard – PCC Chapter 32A
- ☐ Completion of Work/Final: Upon completion of G&D 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 Civil inspector for review.
- ☐ Final Walk-Through: Final walk-through inspection performed by the Civil Inspections Team 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 – PCC Chapter 32A-
- ☐ 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 – PCC Chapter 32A
- ☐ 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 – PCC Chapter 32A
- ☐ Topography: Field check of 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 – PCC Chapter 32A

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

- ☐ Fill: Ensure that stockpile fill quantities do not exceed approved fill calculations in cubic yards.  
Standard – PCC Chapter 32A
- ☐ 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 2:1 for stockpiles greater than four (4) feet or 1½:1 for stockpiles less than four (4) feet.  
Standard – PCC Chapter 32A
- ☐ 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 earth fill as part of a City approved G&D Plan with permit or hauled to a landfill or other permitted site.  
Standard – PCC Chapter 32A
- ☐ 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 – PCC Chapter 32A

### Grading and Drainage - Haul Permit

- ☐ Haul Routes: Haul plans will be reviewed 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 – PCC Chapter 36, Haul Plan Checklist (TRT 00049)
- ☐ 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 – PCC Chapter 36
- ☐ 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 – PCC Chapter 36
- ☐ 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.  
Standard – PCC Chapter 36
- ☐ 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 – PCC Chapter 36

### Storm Drain Facilities Construction

- ☐ Street Restrictions: Civil Inspector submits TRACS permit to Street Transportation Department (STR) for street restriction approval.  
Standard- City Street Barricade Manual 9<sup>th</sup> Edition
- ☐ 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 - PDD Construction Staking Requirements (TRT 00919)
- ☐ Storm Drain Line and Structures Inspection: Ensure that pipe furnished is of the type, class, and size required by the permitted approved plans. Ensure that the pipe and/or storm drain devices are properly assembled, constructed, installed at locations shown on plan.  
Standards - City Materials Lab and 2024 City Supplements to MAG 2023 Standard Specifications Section 616
- ☐ 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.  
Standards - City Materials Lab, 2023 MAG Standard Details 601, 603, ASTM 2977 & 3077, ASSHTO T90, and 2024 City Supplements to MAG 2023 Standard Specifications Sections 601 and 603.

### Storm Drain Facilities Construction (Continued)

- ☐ 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 -, City Materials Lab, 2023 MAG Standard Specifications Sections 601, 603, ASTM 2977 & 3077, ASSHTO T90, and 2024 City MAG Supplements to MAG 2023 Standard Specifications
- ☐ 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 City Materials Lab. Standard – 2023 MAG Standard Specifications Sections 601, 625, 725, 775, 776, 787, 500 Series, ASTM C-487 and 2024 City Supplements to MAG 2023 Standard Specifications.
- ☐ 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 City Materials Lab. Standards – 2023 MAG Standard Specifications Section 601 and 2024 City MAG Supplements to MAG 2023 Standard Specifications
- ☐ Pavement Replacement: Inspection of required pavement and/or concrete replacement in accordance with the plans and specifications. Standard – 2023 MAG Standard Specifications Section 336 and 2024 City MAG Supplement Details
- ☐ 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.
- ☐ Inspection Required After Street Paving: Inspection of final manhole, inlets, catch basins, adjustments, etc. Inspect structures for cleanliness, catch basin lintel paint, manhole steps, grading, grout touch-ups, handrails, etc.

### Storm Water Management Plan (SWMP) – Construction Stormwater (CSW) Permit

- ☐ Preliminary Meeting: Review CSW permit, approved SWMP, and approved G&D Plan at project site with contractor and/or responsible parties. Standards - Chapters 32A and 32C
- ☐ 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. Updates to the SWMP must be documented when there is a change in design, construction, method, operation, procedure, or other activity that may result in a significant effect on the discharge of pollutants to surface waters.
- ☐ Best Management Practice (BMP): Ensure that contractor installs and maintains BMPs 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 bale 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.
- ☐ Final: BMPs must remain in place and/or maintained until final stabilization of the site and/or as approved by the Civil Inspector.

### Sanitary Sewer Main Construction

- ☐ Street Restrictions: Inspector submits TRACS permit to STR street restriction approval. Standard - City Street Barricade Manual 9<sup>th</sup> Edition
- ☐ Construction Staking: Check alignment and elevation staking for all permitted sanitary sewer construction. Standards – 2023 MAG Standard Specifications Section 601 and PDD Construction Staking Requirements (TRT 00919)
- ☐ Grading and Trenching Required Inspection: Check alignment and elevation staking for all permitted sanitary sewer construction. Standards – 2023 MAG Standard Specifications Section 601, ASTM D-2922 & D-3017, and 2024 City MAG Supplements to MAG 2023 Standard Specifications

### Sanitary Sewer Main Construction (Continued)

- ☐ 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 have been installed at the locations shown on plans. Materials tested in accordance with the City Materials Lab.  
Standards – 2023 MAG Standard Specifications Sections 615 and 743, 2024 MAG Standard Detail 400 Series, ASTM C-301, C-700, and 2024 City MAG Supplements to MAG 2023 Standard Specifications
- ☐ 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 the City Materials Lab.  
Standards -2023 MAG Standard Specifications Section 601 STM-2922 & D-3077 - AASHTO T90 (current version) and 2024 City Supplements to MAG 2023 Standard Specifications
- ☐ 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 the City Materials Lab.  
Standards – 2023 MAG Standard Specifications Section 601 and 2024 City Supplements to MAG 2023 Standard Specifications
- ☐ Manhole Construction: Ensure that the manhole base, invert barrel and cone sections, adjustment ring and cover are built in accordance with the plans and specifications. Material testing in accordance with the City Materials Lab.  
Standards – 2023 MAG Standard Specifications Sections 601, 625, 725, 775, 776, 787, 2024 MAG Standard Details 400 Series, ASTM C-487, and 2024 City MAG Supplements to MAG 2023 Standard Specification
- ☐ Low Pressure Leak Test: Witness and verify the leak test performed by the contractor.  
Standards – 2023 MAG Standard Specifications Section 615 and 2024 City Supplement to MAG 2023 Standard Specifications
- ☐ TV Camera Inspection: Inspector requests a TV camera inspection of the completed sewer lines from the Water Services Department's (WSD's) Wastewater Collection Division.  
Standards – 2023 MAG Standard Specifications Section 615 and 2024 City Supplements to MAG 2023 Standard Specifications
- ☐ Pavement Replacement: Inspection of required pavement and/or concrete replacement in accordance with the plans and specifications.  
Standards – 2023 MAG Standard Specifications Section 336 and 2024 City Supplement to MAG 2023 Standard Specifications
- ☐ Permit and As-Built Drawing Processing: Check as-built drawings submitted by Engineer for required information. As-built stamped and processed; permit signed, dated and processed.  
Standard - PDD Civil Water & Sewer Acceptance Requirements (TRT 00920)
- ☐ Inspection Required After Street Paving: Inspection of final manhole adjustments. Monitor or verify Hydro-vac of sewer system as required. Inspect manholes for cleanliness and insecticide spraying.  
Standards – 2023 MAG Standard Specifications Section 615 and 2024 City Supplements to MAG 2023 Standard Specifications, and PDD Civil Water & Sewer Acceptance Requirements (TRT 00920)

### Water Main Construction

- ☐ Street Restrictions: Inspector submits TRACS permit to STR for street restriction approval.  
Standard - City Street Barricade Manual 9<sup>th</sup> Edition
- ☐ Construction Staking: Check alignment and elevation staking for all permitted water main construction.  
Standards – 2023 MAG Standard Specifications Section 601 and PDD Construction Staking Requirements (TRT 00919)
- ☐ 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 the City Materials Lab.  
Standards - 2023 Standard Specifications Section MAG 601, ASTM D-2922 & D-3017, and 2024 City Supplements to MAG 2023 Standard Specifications

### Water Main Construction (Continued)

- ☐ Water Pipeline Inspection: Ensure that the pipe is properly assembled prior to bedding and backfilling of the trench. Materials tested in accordance with the City Materials Lab.  
Standards – 2023 MAG Standard Specifications Sections 610 750, 752, AWWA C-104, C-110, C-111, C150, C-151, C-153, C-400, ASTM D-1869 and 2024 City Supplements to MAG 2023 Standard Specifications.
- ☐ 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 City Materials Lab.  
Standards – 2023 MAG Standard Specifications Section 601, ASTM-2922 & D-3077, AASHTO T90, and 2024 City Supplements to MAG 2023 Standard Specifications.
- ☐ 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.  
Standards - 2023 MAG 610 2024 MAG Standard Details 380 & 381, and 2024 City Supplements to MAG 2023 Standard Specifications.
- ☐ 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.  
Standards – 2023 MAG Standard Specifications Section 610, 2024 MAG Standard Details 301, 391-1, 391-2 - AWWA C-600 or C-603, C-104 and 2024 City Supplements to MAG 2023 Standard Specifications.
- ☐ 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 the City Materials Lab.  
Standards – 2023 MAG Standard Specifications Section 601 and 2024 City MAG Supplements to MAG 2023 Standard Specifications.
- ☐ Pressure/Leakage Test: Witness all pressure leakage testing. Contractor performs test and supplies balance of equipment.  
Standards - AWWA C-600, and 2024 City Supplement to MAG 2023 Standard Specifications
- ☐ Line Disinfection: Ensure that the contractor uses the proper equipment and techniques to properly disinfect all of the new lines. Inspector requests the WSD's Environmental Services Division perform the bacteriological testing after disinfection.  
Standard – PCC Chapter 37, 2024 City Supplement to MAG 2023 Standard Specifications.
- ☐ Pavement Replacement: Inspection of required pavement and/or concrete replacement in accordance with the plans and specifications.  
Standard – 2023 MAG Standard Specifications Section 336 and 2024 City Supplement to MAG 2023 Standard Specifications
- ☐ Permit and As-Built Drawing Processing: Check as-built drawings submitted by Engineer for required information. As-built stamped and processed; permit signed, dated and processed.  
Standard - PDD Civil Water & Sewer Acceptance Requirements (TRT 00920)
- ☐ 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.  
Standards – 2023 MAG Standard Specifications Section 615, 2024 City Supplements to MAG 2023 Standard Specifications, and PDD Civil Water & Sewer Acceptance Requirements (TRT 00920)

### Dry Utilities Construction

- ☐ Start of Dry Utilities: Ensure that all wet utilities are completed.
- ☐ Street Restrictions: Inspector submits TRACS permit to STR for street restriction approval.  
Standards - City Street Barricade Manual 9<sup>th</sup> Edition.
- ☐ Construction Staking: Check alignment and elevation staking for all permitted dry utility crossing within proposed or existing right-of-way (ROW).  
Standard - PDD Construction Staking Requirements (TRT 00919)

### Dry Utilities Construction (continued)

- ☐ 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 the City Materials Lab.  
Standards: ASTM D-2922 & D-3017
- ☐ 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 ROW. That conduit or dry utility is installed at the locations within the ROW as shown on plans.  
Standard - City Materials Lab
- ☐ 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- City Materials Lab
- ☐ 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.  
Standard- City Materials Lab
- ☐ Pavement Replacement: Inspection of required pavement and/or concrete replacement in accordance with the plans and specifications.  
Standards; 2023 MAG Standard Specifications Section 336 and 2024 City Supplement to MAG 2023 Standard Specifications
- ☐ Final Inspection: A walk-through inspection is performed by Civil inspections Team and contractor. Lab tests may be required, and any deficiencies are noted and must be corrected by contractor prior to finalizing permit.

### Concrete Inspection and Construction

- ☐ Street Restrictions: Inspector submits TRACS permit to STR for street restriction approval.  
Standard- City Street Barricade Manual 9<sup>th</sup> Edition
- ☐ 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 the City Materials Lab.  
Standards- 2023 MAG Standard Specifications Section 301, AASHTO T90 & T191, 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 - PDD Construction Staking Requirements (TRT 00919)
- ☐ 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 the City Materials Lab.  
Standards- 2023 MAG Standard Specifications Section 727, ASTM A-82, A-185, A-615, A-670, and ACI-318
- ☐ Formwork: 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- 2023 MAG Standard Specifications Section 340.
- ☐ 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 the City Materials Lab.  
Standard-2023 MAG Standard Specifications Sections 340, 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- 2023 MAG Standard Specifications Sections 340, 505.6.2, and 505.9.
- ☐ Concrete Curing: Ensure that the contractor takes adequate steps to properly cure the concrete.  
Standard- 2023MAG Standard Specification Sections 505.8 and 726.

**Paving Inspection and Construction (Continued)**

- ☐ Final Inspection: A walk-through inspection is to be performed by the Civil Inspections Team 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 ROW American with Disabilities Act requirements. All required record drawings, lab tests, and required paperwork must be submitted prior to finalization.
- ☐ Street Restrictions: Inspector submits TRACS permit to STR for street restriction approval.  
Standard- City Street Barricade Manual 9<sup>th</sup> Edition
- ☐ 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 the City Materials Lab.  
Standards- 2023 MAG Standard Specifications Sections 205, 211, 301, ASTM D-2922 & D-3017, and PDD Construction Staking Requirements (TRT 00919)
- ☐ Aggregate Base Course (ABC) Installation and Blue Topping: Contractor must install and compact an ABC 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 the City Materials Lab.  
Standard- 2023 MAG Standard Specifications 310, 702, ASTM C-117, 131, 136, D-2922 & 3017, AASTHO T89, 90, 99, 191, and PDD Construction Staking Requirements (TRT 00919)
- ☐ 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 the City Materials Lab.  
Standards- 2023 MAG Standard Specifications Sections 321, 329, 701, 711, 713, 725, ASTM D-75, D-1559, D-448, D-3381, C-131, C-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 the City Materials Lab.  
Standard- 2023 MAG Standard Speciation Sections 345 and 725
- ☐ Survey Monuments: Ensure that the contractor installs adequate survey monuments at locations shown on plans. Material tested in accordance with the City Materials Lab.  
Standard– 2023 MAG Standard Specification 405 and 2024 MAG 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 PDD Private Lab Policy.  
Standard - 2023 MAG Standard Specifications Sections 321, 334, and 718
- ☐ Final Inspection: A walk-through inspection is performed by Civil Inspections Team, 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 submits TRACS permit to STR for street restriction approval. Standard- City Street Barricade Manual 9<sup>th</sup> Edition
- ☐ Landscape Review at Site: Review approved plans with contractor or responsible party at job site. Ensure that work is done in compliance with approved landscape and/or salvage 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 ROW. Review plans with contractor and City STR prior to construction. Ensure that irrigation lines, devices, and planting are completed as stated above.

### CONSTRUCTION INSPECTION SUPERVISORS

Robert Valladee  
City of Phoenix  
PDD Team Leader  
Civil/Site & Back Flow Inspections  
Planning and Development Dept.  
Citywide  
602 501-1345  
robert.valladee@phoenix.gov

John C Flores  
Civil Inspections Field Supervisor  
City of Phoenix, Planning and  
Development Dept.  
Civil Inspections  
Northwest Valley area  
Cell: 602-206-8783  
juan.flores@phoenix.gov

Daniel Casados  
Civil Inspections Field Supervisor  
City of Phoenix, Planning and  
Development Department  
Civil Inspections  
Southeast Valley area  
Cell: 602-309-1344  
Daniel.casados@phoenix.gov

Ramon Lopez  
Civil Inspections Field Supervisor  
City of Phoenix, Planning and  
Development Department  
Civil Inspections  
Southwest Valley area  
Cell: 602-448-1944  
ramon.lopez@phoenix.gov

James Barnard  
Civil Inspections Field Supervisor  
City of Phoenix, Planning and  
Development Dept.  
Civil Inspections  
Northeast Valley Area  
Cell: 602-501-2268  
James.barnard@phoenix.gov