

CHAPTER 0

ADMINISTRATIVE SECTION

**0.1 INTRODUCTION..... 1**

**0.2 SIGNATURE BLOCKS ..... 1**

    0.2.1 CITY OF GOODYEAR BLOCKS ..... 1

        A. *Data Certification*..... 1

        B. *As-Built Certification* ..... 1

        C. *Plan Approval* ..... 2

    0.2.2 GOODYEAR SIGNATURE BLOCKS..... 2

    0.2.3 OTHER SIGNATURE BLOCKS..... 2

        A. *MCESD Approval Block required for water and sewer approval.*..... 2

        B. *Final Plat Approval Blocks* ..... 3

        C. *Utility No Conflict Certification Block*..... 3

**0.3 CHECKLISTS ..... 4**

**0.4 GENERAL NOTES ..... 4**

    0.4.1 GENERAL NOTES FOR CONSTRUCTION ..... 4

    0.4.2 GENERAL NOTES FOR MASS GRADING ..... 6

    0.4.3 GENERAL NOTES FOR GRADING AND DRAINAGE CONSTRUCTION ..... 7

*Drywells*..... 8

    0.4.4 GENERAL NOTES FOR BMP PLAN, SMALL SITES ..... 9

    0.4.5 GENERAL NOTES FOR STORM WATER POLLUTION PREVENTION, LARGE SITES.. 11

    0.4.6 GENERAL NOTES FOR WATER MAIN CONSTRUCTION ..... 13

    0.4.7 GENERAL NOTES FOR SEWER MAIN CONSTRUCTION ..... 15

    0.4.8 GENERAL NOTES FOR RECLAIMED WATER MAIN CONSTRUCTION..... 17

    0.4.9 GENERAL NOTES FOR STREET CONSTRUCTION ..... 19

    0.4.10 GENERAL NOTES FOR SIGNING AND STRIPING ..... 20

    0.4.11 GENERAL NOTES FOR LANDSCAPING..... 22

*Commercial or Residential Development* ..... 23

*City Capital Improvement Projects (CIP)*..... 24

    0.4.12 GENERAL NOTES FOR CUSTOM HOME CONSTRUCTION ..... 25

    0.4.13 GENERAL NOTES FOR FINAL PLAT ..... 27

    0.4.14 GENERAL NOTES FOR TRAFFIC SIGNAL PLANS..... 30

    0.4.15 GENERAL NOTES FOR UTILITY CONSTRUCTION..... 36

    0.4.16 GENERAL NOTES FOR STREETLIGHTS ..... 39

*LED Streetlight Notes* ..... 40

*Arizona Public Service (APS) Notes* ..... 42

**0.1 INTRODUCTION**

This section contains various forms, checklists and other materials to assist in the preparation and submittal of construction plans and reports to the City of Goodyear for approval and that must be completed and submitted to obtain any Construction Permit from the City of Goodyear.

Sub-section 0.7 “Clarifications, Corrections and Additions” addresses items in the Engineering Standards that were unclear, incorrect, conflicting, or omitted and that will be addressed during the next revision to the Engineering Standards.

**0.2 SIGNATURE BLOCKS**

**0.2.1 CITY OF GOODYEAR BLOCKS**

**A. Data Certification**

Following is the data certification block required on all plans:

<b>DATA CERTIFICATION</b>	
I HEREBY CERTIFY THAT THIS DESIGN IS BASED ON ACCURATE FIELD DATA WHICH HAS BEEN CHECKED IN THE FIELD PRIOR TO SUBMISSION OF THESE PLANS TO THE CITY FOR APPROVAL.	
BY _____	DATE _____

**B. As-Built Certification**

Following is the as-built certification block:

<b>AS-BUILT CERTIFICATION</b>	
I HEREBY CERTIFY THAT THE “AS-BUILT” INFORMATION SHOWN HEREON WAS OBTAINED UNDER MY DIRECT SUPERVISION AND IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.	
BY _____	DATE _____
(SEAL)	

C. Plan Approval

Following is the plan approval block:

<b>CITY OF GOODYEAR – PLAN APPROVAL</b>			
REVIEW AND RECOMMENDED APPROVAL BY:			
FIRE DEPARTMENT		GRADING & DRAINAGE	
LANDSCAPING & PLANNING		WATER & SEWER	
TRAFFIC		PAVING	
STREET LIGHTS		SIGNING & STRIPING	
APPROVED BY:			
_____		_____	
PLANS EXAMINER		DATE	

0.2.2 GOODYEAR SIGNATURE BLOCKS

All City of Goodyear Signature/Approval blocks will be added to the cover sheet of each plan set or report cover by the plan preparer. Sufficient room shall be provided for the City approval stamps. See City of Goodyear Standards Section 0.2.1 for approval blocks.

0.2.3 OTHER SIGNATURE BLOCKS

Contact Private Utility Companies (Liberty Water, EPCOR, RID, BWCDD, etc.) for approval blocks for plans within their respective service areas.

A. MCESD Approval Block required for water and sewer approval.

<b>Maricopa County Environmental Services Department</b>	
<b>APPROVAL</b>	
BY: _____	DATE: _____

B. Final Plat Approval Blocks

<b>FINAL PLAT APPROVAL</b>
<p>APPROVED BY THE CITY COUNCIL OF THE CITY OF GOODYEAR, ARIZONA                      THIS _____ DAY OF _____, 20__.</p> <p>BY: _____                      MAYOR (NAME PRINTED)</p> <p>ATTEST: _____                      CITY CLERK (NAME PRINTED)</p>

<b>FINAL PLAT APPROVAL</b>
<p>APPROVED BY THE CITY ENGINEER OF THE CITY OF GOODYEAR, ARIZONA                      THIS _____ DAY OF _____, 20__.</p> <p>BY: _____                      CITY ENGINEER (NAME PRINTED)</p>

C. Utility No Conflict Certification Block

Shall be placed on all construction plans to be used to construct underground improvements or aboveground improvements that could potentially impact, or conflict with, existing utilities.

<b>UTILITY NO CONFLICT CERTIFICATION</b>				
Utility	Utility Company	Name of Company Representative	Telephone Number	Date Signed
<b>Water</b>				
<b>Sewer</b>				
<b>Electric</b>				
<b>Telephone</b>				
<b>Natural Gas</b>				
<b>Cable TV</b>				
<b>other</b>				
<b>other</b>				
<p><b>Engineer's Certification</b>                      I, being the person responsible for designing the facilities necessary to serve this development, hereby certify that all of the utility companies listed above have reviewed this project proposal and all conflicts have been resolved at this point. 'No Conflict' forms have been obtained from each utility company.</p>				

### 0.3 CHECKLISTS

Checklists to guide the development of improvement plans can be downloaded from the City of Goodyear website or obtained from the City Engineering Department. These Checklists include but are not limited to the following:

- General Plan Review
- Drainage Report Review
- Mass Grading Plan Review
- Grading and Drainage Plan Review
- Best Management Practices (BMP) Plan for Small Sites Plan Review
- Stormwater Pollution Prevention Plan (SWPPP) for Large Sites Plan Review
- Drywell Plan Review
- Storm Drain Plan Review
- Water Plan Review
- Reclaimed Water Plan Review
- Sewer Plan Review
- Sewer Force Main Plan Review
- Paving Plan Review
- Signing and Striping Plan Review
- Commercial Sites Plan Review
- Fire Department Regulations Plan Review
- Irrigation Plan Review
- Street Light Plan Review
- Traffic Signal Plan Review
- Landscape Plan Review
- Grading and Drainage for Custom Lots Plan Review
- Sales Trailer Plan Review
- As-Builts Plan Review
- Amendments Plan Review

### 0.4 GENERAL NOTES

#### 0.4.1 GENERAL NOTES FOR CONSTRUCTION

ALL plans for construction within the City of Goodyear Shall have the following shown on either the Cover Sheet or the Detail Sheet

CITY OF GOODYEAR  
GENERAL NOTES FOR CONSTRUCTION

- A. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
- B. ALL CONSTRUCTION SHALL CONFORM TO THE CITY ENGINEERING DESIGN STANDARDS AND POLICIES MANUAL (EDS&PM), CITY STANDARD DETAILS, AND CURRENT MARICOPA ASSOCIATION OF

- GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION.
- C. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH CITY REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE CITY FROM REQUIRING CORRECTION OF ERRORS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE.
  - D. THE CITY DOES NOT WARRANT ANY QUANTITIES SHOWN ON THESE PLANS.
  - E. THE CITY APPROVAL IS FOR GENERAL LAYOUT IN THE RIGHT-OF-WAY ONLY. THIS APPROVAL IS VALID FOR A PERIOD OF ONE YEAR. CONSTRUCTION PERMITS SHALL BE OBTAINED DURING THIS PERIOD OR THE PLANS SHALL BE RESUBMITTED FOR REVIEW AND APPROVAL.
  - F. AN APPROVED SET OF PLANS SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
  - G. THE CITY CONSTRUCTION INSPECTOR SHALL BE NOTIFIED **48 HOURS** PRIOR TO ANY CONSTRUCTION WORK AND INSPECTIONS (623-932-3004). CONSTRUCTION WORK CONCEALED WITHOUT INSPECTION BY THE CITY CONSTRUCTION INSPECTOR SHALL BE SUBJECT TO EXPOSURE AT THE CONTRACTOR'S EXPENSE.
  - H. ANY WORK PERFORMED WITHOUT THE APPROVAL OF THE CITY ENGINEER, OR DESIGNEE, AND ANY WORK/MATERIAL NOT IN CONFORMANCE WITH CITY ENGINEERING STANDARDS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
  - I. RIGHT-OF-WAY IMPROVEMENTS SHALL NOT BE ACCEPTED UNTIL "AS-BUILT" PLANS HAVE BEEN SUBMITTED AND APPROVED BY THE CITY. (SEE AS-BUILT REQUIREMENTS)
  - J. THE DEVELOPER IS RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ALL OBSTRUCTIONS WITHIN THE RIGHT-OF-WAY PRIOR TO STARTING NEW CONSTRUCTION.
  - K. THE DEVELOPER IS RESPONSIBLE FOR ARRANGING THE RELOCATION AND ASSOCIATED COSTS OF ALL UTILITIES. A UTILITY RELOCATION SCHEDULE SHALL BE SUBMITTED PRIOR TO THE ISSUANCE OF PERMITS.
  - L. THE DEVELOPER IS RESPONSIBLE FOR OBTAINING OR DEDICATING ALL REQUIRED RIGHTS-OF-WAY AND EASEMENTS TO THE CITY PRIOR TO ISSUANCE OF PERMITS.
  - M. THE CONTRACTOR SHALL CONTACT BLUE STAKE (602-263-1100) AT LEAST **48 HOURS** PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL LOCATE ALL CONFLICTS PRIOR TO CONSTRUCTION.
  - N. THE CONTRACTOR SHALL BARRICADE CONSTRUCTION SITES AT ALL TIMES PER THE CITY OF PHOENIX TRAFFIC BARRICADE MANUAL. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE CITY FOR APPROVAL IN ADVANCE OF CONSTRUCTION.
  - O. POTABLE WATER IS NOT AVAILABLE FOR CONSTRUCTION USE OTHER THAN THE FILLING AND TESTING OF NEW LINES. THE UNLAWFUL REMOVAL OF WATER FROM A FIRE HYDRANT OR ANY

- OTHER SOURCE IS A VIOLATION OF THE MUNICIPAL CODE, PUNISHABLE BY FINE AND/OR IMPRISONMENT.
- P. PRIOR TO MOVING OR DESTROYING PROTECTED NATIVE PLANT SPECIES, THE CONTRACTOR SHALL FILE A FORMAL NOTICE OF INTENT (NOI) WITH THE ARIZONA DEPARTMENT OF AGRICULTURE (602-542-6408).
- Q. THE CONTRACTOR SHALL COMPLY WITH THE ENVIRONMENTAL PROTECTION AGENCY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER REQUIREMENTS ESTABLISHED FOR CONSTRUCTION SITES, ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) GENERAL PERMIT FOR DISCHARGE FROM CONSTRUCTION ACTIVITIES, AND THE CITY OF GOODYEAR STORM WATER MANAGEMENT PLAN.
- R. NO PERSON SHALL USE ANY MECHANICAL EQUIPMENT FOR LAND LEVELING OR CLEARING, ROAD CONSTRUCTION, TRENCHING, EXCAVATING, DEMOLITION, NOR ENGAGE IN ANY EARTHMOVING ACTIVITY WITHOUT FIRST OBTAINING A PERMIT FROM THE MARICOPA COUNTY AIR QUALITY DEPARTMENT (MCAQD) (602-506-0666), 1001 N. CENTRAL AVENUE, SUITE 150, PHOENIX, AZ 85003. (THIS NOTICE IS ISSUED PURSUANT TO ARIZONA REVISED STATUTES (ARS) 36-779.07, NOTICE OF BUILDING AGENCIES.)
- S. THESE PLANS REFLECT CONDITIONS AS THEY EXIST AT THE TIME OF DESIGN. IF EXISTING CONDITIONS HAVE CHANGED BY THE TIME OF CONSTRUCTION THE CONTRACTOR SHALL NOTIFY THE CITY AND THESE PLANS MAY HAVE TO BE AMENDED PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES.
- T. ALL IMPROVEMENTS DAMAGED OR REPLACED DURING CONSTRUCTION SHALL BE REPLACED WITH IMPROVEMENTS THAT MEET THE CURRENT CITY STANDARDS.

#### 0.4.2 GENERAL NOTES FOR MASS GRADING

All plans for on-site Mass Grading shall have the following shown on either the Cover Sheet or the Detail Sheet.

##### CITY OF GOODYEAR GENERAL NOTES FOR MASS GRADING

- A. ALL GENERAL CONSTRUCTION NOTES SHALL APPLY.
- B. RESULTANT DRAINAGE PATTERN FROM THIS MASS GRADING PLAN WILL NOT NEGATIVELY IMPACT ADJACENT PROPERTIES.
- C. THE DEVELOPER ACKNOWLEDGES THAT THESE MASS GRADING PLANS ARE FOR ROUGH GRADING ONLY AND FINAL GRADING PLANS WILL BE REQUIRED PRIOR TO SUBSEQUENT PERMITS BEING ISSUED.

### 0.4.3 GENERAL NOTES FOR GRADING AND DRAINAGE CONSTRUCTION

All plans for on-site Grading and Drainage construction shall have the following shown on either the Cover Sheet or the Detail Sheet.

#### CITY OF GOODYEAR GENERAL NOTES FOR GRADING AND DRAINAGE CONSTRUCTION

- A. ALL GENERAL CONSTRUCTION NOTES SHALL APPLY.
- B. FINISHED FLOOR ELEVATIONS SHALL BE A MINIMUM OF 18 INCHES ABOVE POINT OF OUTFALL. LOTS SHALL BE DESIGNED TO FALL TOWARDS THE STREET AT A GRADE NO LESS THAN ONE PERCENT.
- C. A PERMIT IS REQUIRED FOR ANY ON-SITE GRADING.
- D. A SEPARATE PERMIT IS REQUIRED FOR ANY GRADING RELATED TO OFF-SITE CONSTRUCTION.
- E. STAKING PAD AND/OR FINISHED FLOOR ELEVATIONS ARE THE RESPONSIBILITY OF THE DEVELOPER OR HIS ENGINEER. IN A CRITICAL DRAINAGE AREA (FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) ZONES A, AO, AH, A1-A33, AND A99), CERTIFICATION OF THE FINISHED BUILDING FLOOR OR STEM WALL ELEVATION SHALL BE SUBMITTED AND APPROVED PRIOR TO ANY VERTICAL CONSTRUCTION. IN NON-CRITICAL AREAS, THE DEVELOPER'S ENGINEER SHALL SUBMIT CERTIFICATIONS OF CONSTRUCTED BUILDING PAD ELEVATIONS PRIOR TO THE CITY'S ACCEPTANCE OF THE PROJECT.
- F. THE CONTRACTOR SHALL COMPLY WITH THE APPROVED STORMWATER POLLUTION PROTECTION PLAN (SWPPP) PREPARED IN ACCORDANCE WITH THE CITY'S GENERAL ARIZONA POLLUTANT DISCHARGE ELIMINATION SYSTEM (AZPDES) STORM WATER PERMIT REQUIREMENTS.
- G. THE GRADING CONTRACTOR SHALL DESIGNATE THE LOCATION FOR WASTING SPOIL MATERIALS AND OBTAIN A LETTER FROM THE OWNER GIVING PERMISSION FOR SAID DISPOSAL PRIOR TO STARTING ON-SITE CONSTRUCTION.
- H. GRADING AND DRAINAGE PLAN APPROVAL INCLUDES: RETENTION AREAS, DETENTION AREAS, OTHER DRAINAGE FACILITIES, CHANGES TO SURFACE GRADING AFFECTING DRAINAGE STRUCTURES, CURBS, ASPHALT PAVEMENT, AND BUILDING FLOOR ELEVATIONS.
- I. THE CONTRACTOR SHALL PROVIDE ALL RETENTION AND DETENTION BASINS AT ELEVATIONS AS SHOWN ON THE PLANS. RETENTION BASINS SIDE SLOPES SHALL NOT EXCEED 4:1 ON PRIVATE PROPERTY OR 6:1 ADJACENT TO WALKWAYS OR AREAS DESIGNATED FOR PEDESTRIAN ACCESS AND PUBLIC RIGHTS-OF-WAY. RETENTION BASIN HIGH WATER ELEVATIONS SHALL NOT EXCEED 3-FOOT DEPTH ON PRIVATE PROPERTY OR 1.5-FOOT DEPTH WITHIN 10-FEET OF PUBLIC RIGHTS-OF-WAY. RETENTION IS NOT



- PERMITTED WITHIN PUBLIC RIGHTS-OF-WAY OR PUBLIC UTILITY EASEMENTS (PUE).
- J. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND CONFIRMING DEPTHS OF ALL THE EXISTING UTILITY LINES WITHIN PROPOSED RETENTION BASIN AREAS. IF THE BASIN CANNOT BE CONSTRUCTED PER PLAN AS A RESULT OF CONFLICT WITH UNDERGROUND UTILITIES, THE CONTRACTOR SHOULD CONTACT THE CITY AND DESIGNER AND REQUEST MODIFICATION OF THE BASIN DESIGN.
- K. "AS-BUILT" DRAWINGS (ONE SET OF PRINTS FOR EACH REVIEW AND A FINAL SET OF MYLARS), CERTIFIED BY THE DEVELOPER'S ENGINEER, SHALL BE SUBMITTED AND APPROVED PRIOR TO ISSUANCE OF A BUILDING "CERTIFICATE OF OCCUPANCY."
- L. DEVELOPERS OF NEW PROJECTS SHALL PROVIDE FINANCIAL ASSURANCE IN A FORM AND AMOUNT ACCEPTABLE TO THE CITY ENGINEER AND CITY ATTORNEY TO COVER THE COST TO CORRECT ANY STORM WATER DRAINAGE OR DISPOSAL PROBLEMS THAT MAY ARISE DURING THE FIRST 5 YEARS FOLLOWING THE COMPLETION OF THE INITIAL PROJECT CONSTRUCTION. DURING THE 5-YEAR PERIOD, IF DISPOSAL METHODS IN USE ARE FOUND TO BE INSUFFICIENT TO DISPOSE OF RETAINED STORM WATER WITHIN A 36-HOUR PERIOD FOLLOWING A RAIN EVENT, THE DEVELOPER'S ENGINEER SHALL SUBMIT A CORRECTIVE ACTION PLAN TO THE CITY FOR REVIEW AND APPROVAL. THE SUBMITTED INFORMATION SHALL DEMONSTRATE MEASURES THAT WILL BE IMPLEMENTED TO CORRECT DEFICIENCIES IN THE SYSTEM. THE PLAN SHALL CONFORM TO THE REQUIREMENTS OF THESE GENERAL NOTES.
- M. PRIOR TO THE ISSUANCE OF STORM DRAIN PERMITS, STREET SUBGRADE ELEVATIONS SHALL BE GRADED TO WITHIN 0.5 FEET OF THE APPROVED PAVING PLANS; OPEN SPACES, TRACTS, AND RIGHTS-OF-WAY ELEVATIONS GRADED TO WITHIN 0.3 FEET OF APPROVED GRADING PLAN ELEVATIONS; AND PADS CERTIFIED TO BE AT OR +0.1 FOOT ABOVE THE PAD ELEVATIONS AS SHOWN ON THE APPROVED GRADING PLANS.

#### Drywells

Additional General Notes for Grading and Drainage Construction when Drywells are utilized.

All plans for on-site Grading and Drainage construction in which drywells are used shall have the following shown:

- N. DRYWELLS THAT CEASE TO DRAIN A FACILITY WITHIN 36 HOURS OF A STORM EVENT SHALL BE REPLACED OR REFURBISHED BY THE OWNER WITH A NEW ONE(S) WHERE POSITIVE GRAVITY OUTLET METHODS OF DISPOSAL ARE STILL NOT AVAILABLE. SUCH A REQUIREMENT SHALL BE WRITTEN INTO THE CONDITIONS COVENANTS & RESTRICTIONS FOR ALL SUBDIVISIONS WHERE

- DRYWELLS ARE USED TO DRAIN STORM WATER STORAGE FACILITIES.
- O. A PERCOLATION TEST SHALL BE PERFORMED ON THE DRYWELL TO VERIFY THAT DESIGN PERCOLATION RATES HAVE BEEN ACHIEVED. A COPY OF THE REPORT SHALL BE SUBMITTED TO THE CITY PRIOR TO FINAL APPROVAL OF THE GRADING AND DRAINAGE AND DRYWELL CONSTRUCTION FOR THE PROJECT. TEST WATER SHALL BE POTABLE WATER ONLY.
  - P. DRYWELLS WITH BORE LOGS THAT INDICATE GREATER THAN 10 FEET OF PERMEABLE SOIL HAS BEEN PENETRATED AS DETERMINED BY A GEOTECHNICAL ENGINEER SHALL NOT REQUIRE A PERCOLATION TEST.
  - Q. DRYWELLS SHALL NOT BE USED FOR PROJECTS THAT WOULD REQUIRE A DRYWELL AQUIFER PROTECTION PERMIT FROM ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ), WHICH INCLUDES BUT IS NOT LIMITED TO THE USE, STORAGE, LOADING, OR TREATMENT OF HAZARDOUS OR TOXIC MATERIALS.
  - R. DRYWELLS SHALL NOT BE USED IF THERE ARE HAZARDOUS MATERIALS THAT WILL NEGATIVELY IMPACT ANY DRYWELL INSTALLATION WITHIN THE DRAINAGE AREA.
  - S. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE REPAIR AND MAINTENANCE OF THE DRYWELL DISPOSAL SYSTEM FOR A PERIOD OF 5 YEARS AFTER INSTALLATION. DURING THE 5-YEAR PERIOD IF DISPOSAL METHODS IN USE ARE FOUND TO BE INSUFFICIENT TO DISPOSE RETAINED STORM WATER WITHIN A 36-HOUR PERIOD FOLLOWING A RAIN EVENT, THE DEVELOPER'S ENGINEER SHALL SUBMIT A CORRECTIVE ACTION PLAN TO THE CITY FOR REVIEW AND APPROVAL.

#### 0.4.4 GENERAL NOTES FOR BMP PLAN, SMALL SITES

All BMP Plans for Small Sites shall have the following notes shown on the BMP plan sheet or BMP detail sheet.

##### CITY OF GOODYEAR GENERAL NOTES FOR BMP PLAN, SMALL SITES

- A. ALL GENERAL CONSTRUCTION NOTES SHALL APPLY.
- B. APPROVAL OF THIS DOCUMENT INDICATES THE CITY OF GOODYEAR ENGINEERING DEPARTMENT HAS REVIEWED AND FOUND THIS TO BE IN GENERAL COMPLIANCE WITH THE CITY'S STORMWATER MANAGEMENT PLAN AND THAT THE CITY OF GOODYEAR IS AT NO TIME RESPONSIBLE FOR THE APPLICANT'S/OPERATOR'S DUTIES TO COMPLY WITH ANY FEDERAL, STATE, OR LOCAL LAW OR ORDINANCE.
- C. A CITY OF GOODYEAR CONSTRUCTION STORMWATER PERMIT (CSP) AND A GRADING AND DRAINAGE PERMIT ARE REQUIRED PRIOR TO PERFORMING ANY LAND DISTURBANCE ACTIVITIES. A COPY OF

- THE PERMITS AND APPROVED PLANS SHALL BE MAINTAINED ON-SITE.
- D. THE FACILITIES SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. ADDITIONALLY, THEY SHALL BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING OR LAND CLEARING. WHEREVER POSSIBLE, NATURAL VEGETATION SHALL BE MAINTAINED TO ASSIST IN SILT CONTROL.
- E. CONSTRUCTION SHALL BE PERFORMED IN SUCH A MANNER SO THAT STORMWATER DISCHARGES DO NOT CAUSE ANY FLOODING OR DAMAGE TO ADJACENT PROPERTIES OR FLOWS OF SEDIMENT ONTO PUBLIC STREETS, SIDEWALKS, DRAINAGE CHANNELS, PUBLIC UTILITY EASEMENTS (PUE), OR RIGHTS-OF-WAYS.
- F. FACILITIES SHALL BE MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONALITY. IN ADDITION, ALL CONTROLS SHALL BE MAINTAINED IN SATISFACTORY CONDITION UNTIL SUCH TIME THAT CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED.
- G. THE PLANS SHALL BE AMENDED AS NECESSARY DURING THE COURSE OF CONSTRUCTION TO RESOLVE ANY PROBLEM AREAS, WHICH BECOME EVIDENT DURING CONSTRUCTION, ROUTINE INSPECTIONS, AND/OR PERIODS OF RAINFALL. IF IT IS DETERMINED THAT CURRENT CONTROLS ARE NOT EFFECTIVE AT MINIMIZING POLLUTANT DISCHARGES FROM THE SITE, IMMEDIATE EFFORTS SHALL BE MADE TO CORRECT THE PROBLEM WITHIN 72 HOURS AND/OR PRIOR TO THE NEXT RAIN EVENT. THE AMENDED PLAN SHALL BE MAINTAINED ON-SITE.
- H. IF AT ANY TIME, THIS SITE BECOMES IMPACTED BY OTHER CONSTRUCTION, STORMWATER POLLUTION PREVENTION ACTIVITIES SHALL BE COORDINATED BETWEEN THE SITES AND DOCUMENTED ON THE PLANS.
- I. PROPERTY THROUGH WHICH A WATERCOURSE PASSES SHALL BE KEPT FREE OF CONSTRUCTION MATERIALS, TRASH, DEBRIS, EXCESSIVE VEGETATION, AND OTHER OBSTACLES OR SUBSTANCES WHICH WOULD POLLUTE, CONTAMINATE, OR SIGNIFICANTLY RETARD OR DIVERT THE FLOW OF STORMWATER THROUGH THE PROPERTY.
- J. NO CONSTRUCTION MATERIAL, INCLUDING PORTABLE TOILETS SHALL BE STORED ON ANY PORTION OF ANY STREET, SIDEWALK, RIGHT-OF-WAY OR EASEMENT, OR WITHIN 50 FEET OF ANY DRAINAGE WAY.
- K. THE SITE SHALL AT ALL TIMES REMAIN FREE OF LOOSE TRASH AND DEBRIS. APPROPRIATELY SIZED COVERED WASTE RECEPTACLES SHALL BE PROVIDED ONSITE AND STORED A MINIMUM OF 50 FEET FROM ANY DRAINAGEWAY OR DRAINAGE INLET.

#### 0.4.5 GENERAL NOTES FOR STORM WATER POLLUTION PREVENTION, LARGE SITES

All plans for Storm Water Pollution Prevention, Large Sites shall have the following shown on either the Cover Sheet or the Detail Sheet.

#### CITY OF GOODYEAR GENERAL NOTES FOR STORM WATER POLLUTION PREVENTION, LARGE SITES

- A. ALL GENERAL CONSTRUCTION NOTES SHALL APPLY.
- B. APPROVAL OF THIS DOCUMENT INDICATES THE CITY OF GOODYEAR ENGINEERING DEPARTMENT HAS REVIEWED AND FOUND THIS TO BE IN GENERAL COMPLIANCE WITH THE CITY'S STORMWATER MANAGEMENT PLAN AND THAT THE CITY OF GOODYEAR IS AT NO TIME RESPONSIBLE FOR THE APPLICANT'S/OPERATOR'S DUTIES TO COMPLY WITH ANY FEDERAL, STATE, OR LOCAL LAW OR ORDINANCE.
- C. IT IS THE OPERATOR'S RESPONSIBILITY TO ENSURE THE STORMWATER POLLUTION PROTECTION PLAN (SWPPP) IS MAINTAINED IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS. THIS INCLUDES IMPLEMENTATION, CONSTRUCTION, INSPECTION, MAINTENANCE, REPLACEMENT, UPGRADING OF FACILITIES AND RECORD MANAGEMENT. ANY VIOLATIONS AND FINES ARE THE RESPONSIBILITY OF THE OWNER/OPERATOR AND/OR SITE CONTRACTOR.
- D. A CITY OF GOODYEAR CONSTRUCTION STORMWATER PERMIT (CSP) PERMIT AND A GRADING AND DRAINAGE PERMIT ARE REQUIRED PRIOR TO PERFORMING ANY LAND DISTURBANCE ACTIVITIES. A COPY OF THE PERMITS AND APPROVED PLANS SHALL BE MAINTAINED ON-SITE.
- E. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND CONFIRMING THE DEPTH OF EXISTING UTILITY LINES WITHIN PROPOSED SEDIMENT AND RETENTION BASIN AREAS. IF A BASIN CANNOT BE CONSTRUCTED PER PLAN AS A RESULT OF CONFLICT WITH UNDERGROUND UTILITIES, THE CONTRACTOR SHALL CALL THE CITY AND DESIGNER AND REQUEST MODIFICATION OF THE BASIN DESIGN.
- F. BMP SHALL BE INSTALLED IN SUCH A MANNER SO THAT STORMWATER DISCHARGES DO NOT CAUSE ANY FLOODING OR DAMAGE TO ADJACENT PROPERTIES OR FLOWS OF SEDIMENT ONTO PUBLIC STREETS, SIDEWALKS, DRAINAGE CHANNELS, OR RIGHTS-OF-WAYS.
- G. A COPY OF THE APPROVED SWPPP, NOTICE OF INTENT (NOI) AND ALL RELATED RECORDS SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW UPON REQUEST TO THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ) AND THE CITY

- OF GOODYEAR. THE CITY OF GOODYEAR MAY AT ANY TIME PERFORM A COMPLIANCE INSPECTION OF THE SITE.
- H. THE OPERATOR SHALL POST THE ADEQ AUTHORIZATION NUMBER(S) IN A CONSPICUOUS LOCATION NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE AND RETAIN A COPY OF THE AUTHORIZATION CERTIFICATE WITH THE SWPPP.
- I. THE FACILITIES SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. ADDITIONALLY, THEY SHALL BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING OR LAND CLEARING. WHEREVER POSSIBLE, NATURAL VEGETATION SHALL BE MAINTAINED TO ASSIST IN SILT CONTROL.
- J. THE OPERATOR SHALL PERFORM, AT A MINIMUM, A VISUAL INSPECTION OF THE CONSTRUCTION SITE ONCE EVERY SEVEN CALENDAR DAYS OR ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF ANY RAIN EVENT GREATER THAN OR EQUAL TO 1/2-INCH AS RECORDED BY THE CLOSEST FLOOD CONTROL DISTRICT OF MARICOPA COUNTY (FCDMC) RAIN GAGE. IF WITHIN 1/4 MILE OF AN IMPAIRED WATER, INSPECTIONS SHALL BE PERFORMED AT A MINIMUM OF ONCE EVERY SEVEN CALENDAR DAYS AND SHOULD INCLUDE VISUAL OBSERVATIONS OF STORM WATER DISCHARGES AT ALL DISCHARGE LOCATIONS WITHIN ONE BUSINESS DAY AFTER EACH RAIN EVENT OF 1/2-INCH OR GREATER, AS RECORDED BY THE CLOSEST FCDMC RAIN GAGE. THE OPERATOR SHALL PREPARE A REPORT DOCUMENTING HIS/HER FINDINGS ON THE CONDITIONS OF THE SWPPP CONTROLS AND NOTE ANY EROSION PROBLEM AREAS. THE OPERATOR'S REPORT IS TO BE MAINTAINED ON SITE BY THE OPERATOR.
- K. THE OPERATOR OF THE SITE SHALL ALSO MAINTAIN RECORDS WITH THE FOLLOWING INFORMATION:
1. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR IN A PARTICULAR AREA; AND
  2. THE DATES WHEN CONSTRUCTION ACTIVITIES CEASE IN AN AREA, TEMPORARILY OR PERMANENTLY; AND
  3. THE DATES WHEN AN AREA IS STABILIZED, TEMPORARILY OR PERMANENTLY; AND
  4. THE DATES OF MAINTENANCE/REPLACEMENT OR REMOVAL OF BMP.
- L. FACILITIES SHALL BE MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, ALL CONTROLS AS OUTLINED IN THE SWPPP SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED.
- M. THE OPERATOR SHALL AMEND THE SWPPP AS NECESSARY DURING THE COURSE OF CONSTRUCTION TO RESOLVE ANY PROBLEM AREAS WHICH BECOME EVIDENT DURING CONSTRUCTION, ROUTINE

- INSPECTIONS, AND/OR PERIODS OF RAINFALL. IF IT IS DETERMINED THAT CURRENT CONTROLS ARE NOT EFFECTIVE AT MINIMIZING POLLUTANT DISCHARGES FROM THE SITE, THE OPERATOR SHALL TAKE IMMEDIATE EFFORTS TO CORRECT THE PROBLEM WITHIN 72 HOURS AND/OR PRIOR TO THE NEXT RAIN EVENT. THE AMENDED PLAN SHALL BE MAINTAINED ON-SITE AND IF REQUIRED, SUBMITTED WITHIN 15 CALENDAR DAYS TO ADEQ.
- N. IF, AT ANY TIME, THIS SITE BECOMES IMPACTED BY OTHER CONSTRUCTION, STORM WATER POLLUTION PREVENTION ACTIVITIES SHALL BE COORDINATED BETWEEN THE SITES AND DOCUMENTED IN THE PROJECT SWPPP.
- O. ONCE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS MET FINAL STABILIZATION REQUIREMENTS WITH ALL TEMPORARY BMP REMOVED, THE AUTHORIZED SITE REPRESENTATIVE MAY FILE A NOTICE OF TERMINATION (NOT) WITH ADEQ, WITH A COPY SUBMITTED TO THE CITY OF GOODYEAR ENGINEERING DEPARTMENT.
- P. THE OPERATOR SHALL SUBMIT A COPY OF THE ADEQ *NOT* ACKNOWLEDGEMENT LETTER TO THE CITY, WHICH WILL EFFECTIVELY TERMINATE COVERAGE UNDER THE CSP ISSUED BY THE CITY.

#### 0.4.6 GENERAL NOTES FOR WATER MAIN CONSTRUCTION

All plans for water main construction within right-of-way or easements shall have the following shown on either the Cover Sheet or the Detail Sheet.

#### CITY OF GOODYEAR GENERAL NOTES FOR WATER MAIN CONSTRUCTION

- A. ALL GENERAL CONSTRUCTION NOTES SHALL APPLY.
- B. ALL CONSTRUCTION SHALL CONFORM TO THE CITY ENGINEERING DESIGN STANDARDS AND POLICIES MANUAL (EDS&PM), CITY STANDARD DETAILS, AND CURRENT MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION.
- C. CITY OF GOODYEAR INSPECTORS SHALL BE NOTIFIED **48-HOURS** PRIOR TO STARTING EACH PHASE OF CONSTRUCTION, AND EACH INSPECTION REQUESTED (623-932-3004).
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND ELEVATION OF ANY UTILITY LINES BEFORE STARTING CONSTRUCTION. IF THE EXISTING LINE IS FOUND TO BE IN A SUBSTANTIALLY DIFFERENT LOCATION, OR WILL ADVERSELY AFFECT THE OPERATION OF THE UTILITY, THE CONTRACTOR SHALL NOTIFY THE CITY OF GOODYEAR PRIOR TO MAKING THE CONNECTIONS. AMENDMENTS TO THE PLANS MAY BE REQUIRED PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES.

- E. THE CITY OF GOODYEAR IS NOT LIABLE FOR DELAYS OR DAMAGES TO UTILITIES RELATED TO THIS CONSTRUCTION.
- F. AS-BUILT DRAWINGS (ONE SET OF PRINTS FOR EACH REVIEW AND A FINAL SET OF MYLARS), CERTIFIED BY THE DEVELOPER'S ENGINEER, SHALL BE SUBMITTED TO AND ACCEPTED BY THE CITY ENGINEER BEFORE FINAL ACCEPTANCE OF THE WORK. SEE AS-BUILT REQUIREMENTS.
- G. BACKFILLING SHALL NOT BE DONE UNTIL LINES ARE INSPECTED AND APPROVED BY THE CITY CONSTRUCTION INSPECTOR.
- H. MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR ACCORDING TO THE CITY'S APPROVED MATERIALS LIST, EDS&PM CITY STANDARD DETAILS AND MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION. THE APPROVED MATERIALS LIST IS AVAILABLE ON THE CITY WEBSITE OR FROM THE CITY ENGINEERING DEPARTMENT.
- I. ALL SERVICE LINES SHALL BE TYPE K COPPER PIPE OR TUBING. THE MINIMUM SIZE SERVICE SHALL BE ONE-INCH. SERVICE LINES SHALL BE CONTINUOUS UNDER PAVEMENT WITHOUT A CONNECTION OR EXTENSION.
- J. ALL TAPS SHALL USE ALL BRONZE DOUBLE STRAP SERVICE SADDLES.
- K. THE DEVELOPER IS TO INSTALL ALL TAPS AND METER BOXES. THE TAP SHALL TERMINATE WITH AN ANGLE METER VALVE WITHIN THE METER BOX PER CITY STANDARDS.
- L. METERS SHALL BE FURNISHED AND INSTALLED BY THE UTILITY AGENCY AFTER PAYMENT OF ALL PREVAILING FEES.
- M. METERS WILL ONLY BE INSTALLED IF:
  - 1. ALL BACTERIOLOGICAL TESTS AND A COUNTY APPROVAL OF CONSTRUCTION (AOC) LETTER HAVE BEEN RECEIVED.
  - 2. CURB AND GUTTER HAS BEEN CONSTRUCTED AND THE METER BOX IS INSTALLED TO THE SPECIFIED GRADE PER PLANS.
  - 3. THE LOT NUMBER AND ADDRESS ARE CLEARLY POSTED.
  - 4. THE METER BOX IS VISIBLE AND FREE OF OBSTRUCTION AND DAMAGE.
  - 5. THE METER BOX AND LID ARE PER THE CITY APPROVED MATERIALS LIST.
  - 6. THE METER BOX AND LID ARE OF THE CORRECT SIZE.
  - 7. THE SERVICE LINES AND CONNECTIONS ARE FREE OF LEAKS.
- N. PAVEMENT REPLACEMENTS SHALL BE MADE PER THE CITY EDS&PM, CITY STANDARD DETAILS, AND MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION.
- O. ALL WATER SERVICE CONNECTIONS SHALL BE EXTENDED A SUFFICIENT DISTANCE ACROSS THE RIGHT-OF-WAY TO CLEAR ALL FACILITIES TO BE INSTALLED IN PUE PARALLELING STREET RIGHT-OF-WAY.
- P. TRACER WIRE SHALL BE INSTALLED ON ALL PRIVATE POLY VINYL CHLORIDE (PVC) WATER LINES LARGER THAN 6 INCHES.

- Q. ALL WATER LINES 12 INCHES AND LARGER AND RECLAIMED WATER LINES SHALL BE MARKED WITH LOCATING TAPE ONE FOOT ABOVE THE MAIN.
- R. ALL CHANGES IN DIRECTION OF WATER LINES 6 INCHES AND LARGER SHALL BE MARKED WITH AN ELECTRONIC MARKER. ELECTRONIC MARKER SHALL BE A SELF-LEVELING TYPE AND OPERATE ON A FREQUENCY OF 145.7 KHZ UP TO A DEPTH OF 4 FEET.
- S. PRIOR TO THE ISSUANCE OF WATER PERMITS, STREET SUBGRADE ELEVATIONS SHALL BE GRADED TO WITHIN 0.5 FEET OF THE APPROVED PAVING PLANS; OPEN SPACES, TRACTS, AND RIGHTS-OR-WAYS ELEVATIONS GRADED TO WITHIN 0.3 FEET OF APPROVED GRADING PLAN ELEVATIONS; AND PADS CERTIFIED TO BE AT OR +0.1 FEET ABOVE THE PAD ELEVATIONS AS SHOWN ON THE APPROVED GRADING PLANS.
- T. PRIVATE ON-SITE WATER AND SEWER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE CITY STANDARDS.
- U. ALL DUCTILE IRON WATER LINES LARGER THAN 12 INCHES IN DIAMETER SHALL BE ENCASED IN POLYETHYLENE WRAP PER MAG STANDARD AND MANUFACTURER SPECIFICATIONS.
- V. THE CONTRACTOR MUST REQUEST A METER FOR FILLING AND TESTING OF NEW WATER LINES FROM THEIR ASSIGNED CITY CONSTRUCTION INSPECTOR. THIS METER SHOULD BE ORDERED TWO WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.

#### 0.4.7 GENERAL NOTES FOR SEWER MAIN CONSTRUCTION

All plans for sewer main construction within right-of-way or easements shall have the following shown on either the Cover Sheet or the Detail Sheet.

#### CITY OF GOODYEAR GENERAL NOTES FOR SEWER MAIN CONSTRUCTION

- A. ALL GENERAL CONSTRUCTION NOTES SHALL APPLY.
- B. CONTRACTOR WILL EXPOSE ANY LINES BEING TIED INTO, TO VERIFY LOCATION.
- C. THE CITY IS NOT LIABLE FOR DELAYS OR DAMAGES TO UTILITIES RELATED TO THIS CONSTRUCTION.
- D. AS-BUILT DRAWINGS (ONE SET OF PRINTS FOR EACH REVIEW AND A FINAL SET OF MYLARS), CERTIFIED BY THE DEVELOPER'S ENGINEER, SHALL BE SUBMITTED TO AND ACCEPTED BY THE CITY ENGINEER BEFORE FINAL ACCEPTANCE OF THE WORK. SEE AS-BUILT REQUIREMENTS.
- E. BACKFILLING SHALL NOT BE DONE UNTIL LINES ARE INSPECTED AND APPROVED BY THE CITY CONSTRUCTION INSPECTOR.
- F. PAVEMENT REPLACEMENTS SHALL BE MADE PER THE CITY ENGINEERING DESIGN STANDARDS AND POLICIES MANUAL



- (EDS&PM), CITY STANDARD DETAILS, AND MAG UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION.
- G. POLYVINAL CHLORIDE (PVC) SEWER PIPE MAY BE USED AS AN ALTERNATIVE FOR VITRIFIED CLAY SEWER PIPE IN ACCORDANCE WITH MAG SPECIFICATION SECTION 745 FOR SIZES THROUGH 15-INCH WITH THE FOLLOWING **ADDITION:** 745.8 INSTALLATION AND TESTING: INSTALLATION MUST ALSO COMPLY WITH STANDARD SPECIFICATION (AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) D 2321). SHORT TERM DEFLECTION TESTING SHALL BE PERFORMED ON THE TOTAL FOOTAGE, AFTER COMPLETE BACKFILL AND COMPACTION, BUT PRIOR TO THE INSTALLATION OF FINISHED SURFACE MATERIAL. ADDITIONAL TESTING MAY BE REQUIRED. A SHORT TERM DEFLECTION IN EXCESS OF FIVE PERCENT SHALL BE CONSIDERED UNSERVICEABLE AND SHALL BE REPAIRED OR REPLACED AND RETESTED.
- H. A VISUAL INSPECTION OF THE INTERIOR OF THE SEWER LINE USING A TELEVISION CAMERA WILL BE PERFORMED ON THE TOTAL FOOTAGE OF ALL SEWER LINES, AFTER COMPLETE BACKFILL AND COMPACTION, BUT PRIOR TO THE INSTALLATION OF FINISHED SURFACE MATERIAL. ANY PORTION CONSIDERED UNSERVICEABLE BY THE CITY SHALL BE REPAIRED OR REPLACED AND RETESTED AT NO ADDITIONAL COST TO THE CITY AND RETESTED. TWO (2) COPIES OF THE DVD OF THE SEWER LINE AND REPORT OF OBSERVATIONS SHALL BE PROVIDED TO THE CITY FOR INSPECTION AND PERMANENT RECORD. ALL EXPENSES FOR VISUAL INSPECTION USING TELEVISION CAMERA IS THE RESPONSIBILITY OF THE CONTRACTOR.
- I. ALL MANHOLE RINGS AND LIDS SHALL BE CAST IRON, LIDS SHALL BE IMPRINTED "CITY OF GOODYEAR SANITARY SEWER."
- J. ALL TAPS SHALL BE WYE TYPE.
- K. SEWER TAPS MUST BE A MINIMUM OF 4.5 FEET DEEP AT PROPERTY LINES.
- L. ALL SEWER SERVICE CONNECTIONS SHALL BE EXTENDED A SUFFICIENT DISTANCE ACROSS RIGHT-OF-WAY TO CLEAR ALL FACILITIES TO BE INSTALLED IN PUBLIC UTILITY EASEMENTS (PUE) PARALLELING THE RIGHT-OF-WAY.
- M. TRACER WIRE SHALL BE INSTALLED ON ALL PRIVATE PVC SEWER LINES.
- N. ALL SANITARY SEWER MANHOLES SHALL BE TESTED IN ACCORDANCE WITH ASTM C-1244-93 (PER ARIZONA REVISED STATUTE (ARIZONA ADMINISTRATIVE CODE R18-9-E301. 4.01 D.3.f.ii).
- O. ALL SANITARY SEWER MANHOLES SHALL BE COATED WITH A CORROSION RESISTANT COATING AND TREATED WITH AN INSECTICIDE THAT ARE LISTED IN THE CITY'S SEWER APPROVED MATERIALS LIST. RE-APPLICATION OF CORROSION RESISTANT COATING AND INSECTICIDE MUST BE PERFORMED AFTER MODIFICATION TO EXISTING MANHOLES SUCH AS NEW STUBS OR MANHOLE EXTENSIONS ARE DONE.

- P. PRIOR TO THE ISSUANCE OF SEWER PERMITS, STREET SUBGRADE ELEVATIONS SHALL BE GRADED TO WITHIN 0.5 FEET OF THE APPROVED PAVING PLANS; OPEN SPACES, TRACTS, AND RIGHTS-OR-WAYS ELEVATIONS GRADED TO WITHIN 0.3 FEET OF APPROVED GRADING PLAN ELEVATIONS OR SUBGRADE BULE-TOP STAKES ARE SET AT MINIMUM 100 FOOT INTERVALS BY A SURVEYOR; AND PADS CERTIFIED TO BE AT OR +0.1 FEET ABOVE THE PAD ELEVATIONS AS SHOWN ON THE APPROVED GRADING PLANS. PRIVATE ON-SITE WATER AND SEWER LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL APPLICABLE CITY STANDARDS.

#### 0.4.8 GENERAL NOTES FOR RECLAIMED WATER MAIN CONSTRUCTION

All plans for reclaimed water main construction within right-of-way or easements shall have the following shown on either the Cover Sheet or the Detail Sheet.

#### CITY OF GOODYEAR GENERAL NOTES FOR RECLAIMED WATER MAIN CONSTRUCTION

- A. THE CITY OF GOODYEAR ENGINEERING DEPARTMENT (OR ITS AUTHORIZED REPRESENTATIVE) SHALL INSPECT AND APPROVE ALL TRENCHING, BEDDING, PIPE INSTALLATION, BACKFILL AND COMPACTION. THE CITY OF GOODYEAR SHALL INSPECT AND APPROVE ALL PRESSURE TESTING, DISINFECTIONS, AND ALL OPERATIONAL SYSTEMS TESTS. AFTER COMPLETION OF EACH PHASE OF THE RECLAIMED WATER SYSTEM, BUT BEFORE ACCEPTANCE BY THE CITY OF GOODYEAR AND THE WARRANTY PERIOD, ALL PUNCH LIST ITEMS SHALL BE 100 % COMPLETED, AS GENERATED BY THE CITY OF GOODYEAR.
- B. THE MINIMUM COVER OVER RECLAIMED WATER MAINS IS 36 INCHES.
- C. BACKFILLING SHALL NOT BE DONE UNTIL MAINS ARE INSPECTED AND APPROVED BY THE CITY CONSTRUCTION INSPECTOR.
- D. MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR ACCORDING TO THE CITY'S APPROVED MATERIALS LIST, AND MAG UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. THE APPROVED MATERIALS LIST IS AVAILABLE ON THE CITY WEBSITE OR FROM THE ENGINEERING DEPARTMENT.
- E. PAVEMENT REPLACEMENTS SHALL BE MADE PER THE CITY OF GOODYEAR ENGINEERING STANDARDS, AND MARICOPA COUNTY ASSOCIATION OF GOVERNMENTS UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION.

- F. CONCRETE ENCASMENT OF RECLAIMED WATER MAINS PER MAG STANDARD DETAIL 404 SHALL BE REQUIRED WHEN A RECLAIMED WATER MAIN CROSSES ABOVE A WATER MAIN OR SANITARY SEWER OR WHEN THE RECLAIMED WATER MAIN IS BELOW THE WATER MAIN OR SANITARY SEWER AND THE SEPARATION BETWEEN THE PIPES IS LESS THAN 24 INCHES IN ACCORDANCE WITH THE CURRENT MAG SPECIFICATION. SECTION 610.5 "SEPARATION".
- G. ANY CHANGES FROM APPROVED PLANS SHALL BE SUBMITTED TO THE ENGINEERING DEPARTMENT FOR APPROVAL PRIOR TO BEING SUBMITTED TO THE CITY OF GOODYEAR WATER SERVICES DEPT. FOR WRITTEN APPROVAL PRIOR TO INSTALLATION.
- H. AS-BUILT DRAWINGS (ONE SET OF PRINTS FOR EACH REVIEW AND A FINAL SET OF MYLARS), CERTIFIED BY THE DEVELOPER'S ENGINEER, SHALL BE SUBMITTED TO AND ACCEPTED BY THE CITY ENGINEER BEFORE FINAL ACCEPTANCE OF THE WORK. SEE AS-BUILT REQUIREMENTS.
- I. AN APPROVED METALLIC MARKING TAPE SHALL BE PLACED ABOVE THE INSTALLED RECLAIMED WATER MAIN PER MAG SPEC. SECTION 616.4 IDENTIFICATION AND SHALL HAVE THE WORDS "CAUTION: RECLAIMED WATER – DO NOT DRINK".
- J. ALL RECLAIMED WATER VALVE COVERS SHALL BE SQUARE AND IDENTIFIED AS "RECLAIMED WATER" ACCORDING TO MAG SPECIFICATION SECTION 616.4 IDENTIFICATION.
- K. ALL RECLAIMED WATER DUCTILE IRON PIPE (DIP), VALVES AND FITTINGS SHALL BE PROTECTED FROM CORROSION BY ENCASMENT IN A POLYETHYLENE PURPLE WRAPPING, PER MAG STANDARD SPECIFICATION 610.6 POLYETHYLENE CORROSION PROTECTION.
- L. DISINFECTION OF WATER DISTRIBUTION MAIN AND RECLAIMED WATER MAIN PIPE AND FITTINGS SHALL BE IN ACCORDANCE WITH MAG SPECIFICATION SECTION 610.16, "DISINFECTING WATER LINES" AND MAG SPECIFICATION SECTION 611, "DISINFECTING WATER MAINS."
- M. ALL CHANGES IN DIRECTION OF RECLAIMED WATER MAINS 6-INCH AND LARGER SHALL BE MARKED WITH AN ELECTRONIC MARKER AS LISTED IN THE CITY'S RECLAIMED WATER APPROVED MATERIALS LIST. ELECTRONIC MARKER SHALL BE A SELF LEVELING TYPE AND OPERATE ON A FREQUENCY OF 145.7 KHz UP TO A DEPTH OF 4 FEET.
- N. A 2-INCH x 4-INCH METAL STUD (PAINTED PURPLE) SHALL BE SET ONE-FOOT BEHIND EACH RECLAIMED WATER STUB-OUT. A 2-INCH x 4-INCH STUD MARKING RECLAIMED WATER MAIN STUB-OUT SHALL BE FIRMLY SET INTO THE GROUND AND SET ONE (1) FOOT ABOVE THE GROUND SURFACE DOWN TO THE CROWN OF PIPE.
- O. ALL CURB STOPS WITH FLUSHING PIPES SHALL BE PAINTED PURPLE AS IDENTIFIED IN THE CITY'S RECLAIMED WATER APPROVED MATERIALS LIST AND THE CURB STOP SHALL BE LABELED WITH TAGS IN ACCORDANCE WITH MAG SPECIFICATION SECTION 616.4.

THE TAGS SHALL BE PURPLE AND SHALL HAVE THE WORDS “RECLAIMED WATER-DO NOT DRINK”.

- P. ALL RECLAIMED WATER LINES LARGER THAN 12 INCHES IN DIAMETER SHALL BE ENCASED IN POLYETHYLENE WRAP PER CITY, MAG AND MANUFACTURER STANDARD SPECIFICATIONS.
- Q. THE CONTRACTOR MUST REQUEST A METER FOR FILLING AND TESTING OF NEW RECLAIMED WATER LINES FROM THEIR CITY CONSTRUCTION INSPECTOR. THIS METER SHOULD BE ORDERED TWO WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.

#### 0.4.9 GENERAL NOTES FOR STREET CONSTRUCTION

All plans for street construction within right-of-way or easements shall have the following shown on either the Cover Sheet or the Detail Sheet.

#### CITY OF GOODYEAR GENERAL NOTES FOR STREET CONSTRUCTION

- A. ALL GENERAL CONSTRUCTION NOTES SHALL APPLY.
- B. ANY WORK PERFORMED WITHOUT APPROVAL OF THE CITY ENGINEER, AND ANY WORK/MATERIAL NOT IN CONFORMANCE WITH THE SPECIFICATIONS IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR’S EXPENSE.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND ELEVATION OF ANY UTILITY LINES BEFORE STARTING CONSTRUCTION ACTIVITIES. IF THE EXISTING LINE IS FOUND TO BE IN A SUBSTANTIALLY DIFFERENT LOCATION, OR WILL ADVERSELY AFFECT THE OPERATION OF THE UTILITY, THE CONTRACTOR SHALL NOTIFY THE CITY OF GOODYEAR PRIOR TO MAKING THE CONNECTIONS. AMENDMENTS TO THE PLANS MAY BE REQUIRED PRIOR TO PROCEEDING WITH CONSTRUCTION ACTIVITIES.
- D. CITY OF GOODYEAR IS NOT LIABLE FOR DELAYS OR DAMAGES TO UTILITIES RELATED TO THIS CONSTRUCTION; NEITHER WILL THE CITY PARTICIPATE IN THE COST OF UTILITY CONSTRUCTION OR RELOCATION.
- E. AS-BUILT DRAWINGS (ONE SET OF PRINTS FOR EACH REVIEW AND A FINAL SET OF MYLARS), CERTIFIED BY THE DEVELOPER’S ENGINEER, SHALL BE SUBMITTED TO AND ACCEPTED BY THE CITY ENGINEER BEFORE FINAL ACCEPTANCE OF THE WORK. (SEE AS-BUILT REQUIREMENTS).
- F. CONTRACTOR SHALL CONTINUOUSLY REFERENCE LOCATION OF ALL VALVES DURING CONSTRUCTION.
- G. ALL UNDERGROUND UTILITIES LOCATED IN THE ROADWAY SHALL BE COMPLETED BEFORE PAVING.
- H. BASE COURSE SHALL NOT BE PLACED UNTIL SUBGRADE HAS BEEN APPROVED BY THE CITY CONSTRUCTION INSPECTOR.
- I. GUTTERS SHALL BE WATER TESTED FOR DRAINAGE IN THE PRESENCE OF THE CITY CONSTRUCTION INSPECTOR.

- J. THE EXACT POINT OF MATCHING TERMINATION AND OVERLAY SHALL BE DETERMINED IN THE FIELD BY THE CITY CONSTRUCTION INSPECTOR.
- K. CURB, GUTTER, SIDEWALK, AND PAVEMENT SHALL BE SWEEPED CLEAN OF DIRT AND DEBRIS.
- L. CONTRACTOR SHALL INSTALL A BLUE REFLECTOR AT ALL FIRE HYDRANT LOCATIONS. REFLECTOR SHALL BE GLUED WITH A CITY APPROVED BITUMINOUS ADHESIVE TO THE FINISHED PAVING AT THE APPROPRIATE LOCATION.
- M. ANY SAW CUT ALONG EXISTING ROADWAY EDGE WHICH REMOVES THE EDGE OF THE ROADWAY SHALL BE A MINIMUM OF ONE-FOOT FROM THE EDGE OF THE EXISTING ROADWAY. THE CUT DISTANCE MAY BE GREATER, BASED ON PAVEMENT CONDITIONS OR ROADWAY ELEVATIONS BUT SHALL NOT BE LOCATED WITHIN A LANE WHEEL PATH, AND IF NEEDED SHALL BE IN HALF LANE INCREMENTS.
- N. ALL PAVEMENT MARKING, SIGNING AND CONSTRUCTION SHALL CONFORM TO MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION (MCDOT) PAVEMENT MARKING AND SIGNING MANUALS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD MOST RECENT EDITION), THE ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) SUPPLEMENT TO MUTCD, THE CITY OF GOODYEAR ENGINEERING STANDARDS.
- O. PRIOR TO THE EXPIRATION OF THE WARRANTY PERIOD, ALL PAVEMENT CRACKS ¼-INCH OR WIDER SHALL BE CLEANED, PREPARED, AND CRACK SEALED IN ACCORDANCE WITH MAG SECTION 337.
- P. PRIOR TO THE EXPIRATION OF THE WARRANTY PERIOD, ALL NEW PAVEMENTS (EXCEPT RAC) SHALL BE SEALED IN ACCORDANCE WITH MAG SECTION 333 WITH A CITY-APPROVED MATERIAL. NEW RPM'S, FIRE HYDRANT REFLECTORS, THERMOPLASTIC MARKINGS, AND OTHER SYMBOLS AND MARKINGS MAY BE REQUIRED AFTER APPLICATION OF THE PRESERVATIVE SEAL.

#### 0.4.10 GENERAL NOTES FOR SIGNING AND STRIPING

All plans for Signing and Striping shall have the following shown on either the Cover Sheet or the Detail Sheet.

##### CITY OF GOODYEAR GENERAL NOTES FOR SIGNING AND STRIPING

- A. ALL PAVEMENT MARKING, SIGNING AND CONSTRUCTION SHALL CONFORM TO MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION (MCDOT) PAVEMENT MARKING AND SIGNING MANUALS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES MOST RECENT EDITION (MUTCD), AND THE ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) SUPPLEMENT TO MUTCD.

- B. TEMPORARY TRAFFIC CONTROL SHALL CONFORM TO THE CITY OF PHOENIX “TRAFFIC BARRICADE MANUAL” AND/OR AS DIRECTED BY THE CITY OF GOODYEAR ENGINEERING DEPARTMENT.
- C. ALL PAVEMENT SUBJECT TO A WARRANTY PERIOD (TYPICALLY TWO YEARS) WILL BE REQUIRED TO PROVIDE NEW THERMOPLASTIC MARKINGS AS A PART OF THE FINAL WARRANTY INSPECTION.
- D. ALL PAVEMENT MARKINGS ARE TO BE MAINTAINED BY THE DEVELOPER DURING THE WARRANTY PERIOD AND MAY BE INSTALLED AS 0.015” (15 MIL) REFLECTORIZED TRAFFIC PAINT.
- E. ALL LANE STRIPING, CROSSWALKS AND CHEVRONS SHALL BE 0.060” (60 MIL) HOT SPRAYED THERMOPLASTIC, UNLESS OTHERWISE NOTED ON THE PLANS. ALL PAVEMENT SYMBOLS, ARROWS AND LEGENDS SHALL BE 0.090” (90 MIL) HOT SPRAYED THERMOPLASTIC. RUBBERIZED ASPHALT MUST CURE FOR A MINIMUM OF 30 DAYS PRIOR TO APPLYING THERMOPLASTIC MARKINGS. ALL TEMPORARY STRIPING SHALL BE 0.015” (15MIL) REFLECTORIZED TRAFFIC PAINT.
- F. RAISED PAVEMENT MARKERS SHALL BE INSTALLED PER THE MCDOT PAVEMENT MARKING MANUAL AND SIGNING MANUALS, WITH A CITY APPROVED BITUMINOUS ADHESIVE.
- G. ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH PROPOSED MARKINGS SHALL BE REMOVED BY WATER BLASTING, OR BY CITY APPROVED METHOD, PRIOR TO THE INSTALLATION OF NEW PAVEMENT MARKINGS. REMOVALS SHALL BE TO THE SATISFACTION OF THE CITY INSPECTOR. ALL AREAS THAT ARE OBLITERATED WILL BE SEALED WITH A CITY APPROVED PRODUCT.
- H. THE CONTRACTOR SHALL SPOT LAYOUT THE ENTIRE PROJECT PRIOR TO STRIPING. THE CONTRACTOR SHALL CONTACT THE CITY OF GOODYEAR CONSTRUCTION INSPECTOR TO MAKE ARRANGEMENTS FOR INSPECTION PRIOR TO APPLYING PAVEMENT MARKINGS. THE PERMANENT PAVEMENT MARKING PLANS SHALL BE MODIFIED WHEN DIRECTED BY THE DESIGN ENGINEER. ANY STRIPING APPLIED BEFORE LAYOUT APPROVAL SHALL BE SUBJECT TO REMOVAL, PAVEMENT RESURFACING, AND RESTRIPIING AT THE CONTRACTOR’S EXPENSE.
- I. “NO PARKING” SIGNS (R8-3a) SHALL BE INSTALLED OR REINSTALLED APPROXIMATELY EVERY 350 FEET ALONG THE LENGTH OF THE ARTERIAL, COLLECTOR, AND OTHER RESTRICTED STREETS THAT ARE A PART OF THE PROJECT, APPROXIMATELY 5 FEET FROM THE BACK OF THE CURB. BAND TO STREETLIGHT POLES WHEN AVAILABLE. SIGNS MOUNTED ON STREETLIGHT POLES SHALL NOT COVER THE STREETLIGHT POLES NUMBERS. POLE NUMBERS SHALL BE RELOCATED SO THEY ARE VISIBLE.
- J. ALL SIGNS SHALL BE 3M DIAMOND VIP GRADE SHEETING OR ASTM D-4956-04 PROPOSED TYPE XI SHEETING (3M 4090 SERIES OR EQUIVALENT) WHICH WILL BE ATTACHED TO THE STANDARD SIGNAGE ALUMINUM PLATES. SIGN IMAGING SHALL BE IN COMPLIANCE WITH THE REFLECTIVE SHEETING MANUFACTURER’S MATCHED COMPONENT SYSTEM. SIGN IMAGING SHALL CONSIST OF AN ACRYLIC BASED ELECTRONIC CUTTABLE FILM (3M 1170 SERIES

- OR EQUIVALENT) WITH STANDARD HIGHWAY COLORS. IN ADDITION, IF CALLED OUT ON THE APPROVED PLANS TO CREATE A GRAFFITI-PROTECTIVE COATING, A PROTECTIVE OVERLAY FILM (3M OR EQUIVALENT) SHALL BE USED WHICH IS DESIGNATED TO COMPLY WITH THE UNDERLYING REFLECTIVE SHEETING MATCHED COMPONENT SYSTEM. SHEETING SHALL HAVE A 12 YEAR MANUFACTURER'S WARRANTY. A LETTER OF CERTIFICATION FROM THE SIGN FABRICATOR SHALL BE SUBMITTED PRIOR TO SIGN INSTALLATION STATING THE MATERIALS TO BE USED.
- K. SIGNS SHALL BE INSTALLED ON 2" TELESPAR POSTS PER CITY OF GOODYEAR (C.O.G.) STANDARD DETAIL NO. G-3209-2 UNLESS THEY CAN BE MOUNTED ON A STREET LIGHT POLE WHICH IS IN CLOSE PROXIMITY. SIGNS MOUNTED ON STREET LIGHT POLES CANNOT COVER THE STREET LIGHT POLES NUMBERS. POLE NUMBERS WILL NEED TO BE RELOCATED SO THEY ARE VISIBLE.
- L. STREET NAME SIGNS SHALL BE 0.80-INCH FLAT SHEET ALUMINUM FOR SIGNS UP TO 48 INCHES. SIGNS 48 INCHES AND OVER SHALL BE .125-INCH FLAT SHEET ALUMINUM. POST CAPS, SEPARATOR AND CANTILEVER BRACKETS SHALL BE A MINIMUM OF HALF THE WIDTH OF THE SIGN TO BE MOUNTED.
- M. ALL ADVANCED STREET NAME SIGNS SHALL BE HIGHWAY SERIES "C" 8 INCH WHITE UPPER-CASE AND LOWER-CASE LETTERS. ALL ADVANCED STREET NAME SIGNS WILL BE INSTALLED UTILIZING TWO (2), 2" POSTS WITH ANCHORS.

#### 0.4.11 GENERAL NOTES FOR LANDSCAPING

All plans for Landscaping shall have the following shown on either the Cover Sheet or the Detail Sheet.

#### CITY OF GOODYEAR GENERAL NOTES FOR LANDSCAPING

- A. ALL GENERAL CONSTRUCTION NOTES SHALL APPLY.
- B. ALL SIGNS, MONUMENT WALLS AND SITE LIGHTING REQUIRE SEPARATE BUILDING APPROVAL.
- C. ALL FIRE HYDRANTS SHALL REQUIRE A 7-FOOT CLEARANCE IN ALL DIRECTIONS TO ANY NEW OR EXISTING LANDSCAPE.
- D. SUBSTITUTIONS IN TYPE, AND/OR DEVIATIONS IN SIZE OR QUANTITY FROM THE APPROVED LANDSCAPE OR IRRIGATION PLANS SHALL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE CITY OF GOODYEAR. (CONTACT THE CITY LANDSCAPE TECHNICIAN REGARDING ALL PLANTING AND IRRIGATION SUBSTITUTIONS AT 623-932-3004.)
- E. ALL PLANT MATERIAL LOCATED IN THE PUBLIC RIGHTS-OF-WAY OR CITY OF GOODYEAR MAINTAINED AREAS SHALL BE IN COMPLIANCE WITH THE DEPARTMENT OF WATER RESOURCES LOW WATER USE PLANT LIST FOR THE PHOENIX ACTIVE MANAGEMENT AREA.

- F. ALL PLANT MATERIAL AND SPECIFICATIONS SHALL CONFORM TO THE ARIZONA NURSERYMAN ASSOCIATION CURRENT STANDARDS.
- G. THE CONTRACTOR IS TO ENSURE A ONE-FOOT CLEARANCE BETWEEN THE SIDEWALK AND MATURE TREE CANOPY.
- H. PLANT LEGEND PROVIDED FOR CONTRACTOR'S CONVENIENCE. CONSTRUCTION PLANS TAKE PRECEDENCE.
- I. A 10-FOOT CLEARANCE SHALL BE MAINTAINED BETWEEN A TREE TRUNK AND A UTILITY LINE.
- J. ALL EXISTING LANDSCAPE AND IRRIGATION SYSTEMS THAT ARE DESIGNATED TO REMAIN ON THE APPROVED LANDSCAPE PLANS SHALL NOT BE DAMAGED OR DESTROYED DURING CONSTRUCTION. ANY DAMAGE THAT DOES OCCUR DURING CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR.
- K. SIDEWALK AND PAVING CONSTRUCTION THAT ARE PART OF THE LANDSCAPE IMPROVEMENTS SHALL BE IN COMPLIANCE WITH ALL ON-SITE PAVING AND SHALL MEET DESIGN AND CONSTRUCTION REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
- L. PRIOR TO ACCEPTANCE OF ANY BACKFLOW DEVICE, EACH DEVICE SHALL BE TESTED BY A STATE CERTIFIED TESTER AND THE RESULTS PROVIDED TO THE CITY.
- M. UTILITY BOXES, METERS AND VAULTS SHALL BE LOCATED IN THE ROW AND WILL NOT BE PERMITTED IN ANY STREET MEDIAN.
- N. "AS-BUILT" DRAWINGS, CERTIFIED BY THE DEVELOPER'S LANDSCAPE ARCHITECT, SHALL BE SUBMITTED AND APPROVED PRIOR TO ISSUANCE OF A BUILDING "CERTIFICATE OF OCCUPANCY."

#### Commercial or Residential Development

All plans for Commercial or Residential development shall have the following shown on the Cover Sheet.

- O. LANDSCAPED AREAS THAT WILL BE MAINTAINED BY CITY PARKS DEPARTMENT SHALL BE CLEARLY IDENTIFIED ON THESE PLANS AND ARE SUBJECT TO THE FOLLOWING REQUIREMENTS.
  - 1. THE DEVELOPER SHALL MAINTAIN AND WARRANTY ALL PLANTED AREAS INCLUDING IRRIGATION SYSTEMS FOR A PERIOD OF TWO YEARS BEGINNING IMMEDIATELY AFTER THE CITY ISSUES THE NOTIFICATION OF APPROVAL FOR THE PROJECT.
  - 2. DURING THE MAINTENANCE AND WARRANTY PERIOD, THE DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE PROTECTION TO ALL AREAS. ANY DAMAGED PLANTINGS AND OR IRRIGATION SYSTEMS SHALL BE IMMEDIATELY REPAIRED OR REPLACED AT THE DEVELOPER'S EXPENSE.
  - 3. MAINTENANCE SHALL INCLUDE CONTINUOUS OPERATIONS OF WATERING, WEEDING, REMOVAL OF DEAD PLANT MATERIAL, MOWING, ROLLING, FERTILIZING, SPRAYING, INSECT AND PEST



- CONTROL, RE-SEEDING, REPLACEMENT, AND ALL OTHER MEASURES NECESSARY TO ENSURE GOOD NORMAL GROWTH.
4. WHEN THE TURF HAS ESTABLISHED SUFFICIENT ROOT STRUCTURE AND AN APPROXIMATE HEIGHT OF 3 INCHES, MOWING SHALL BEGIN IMMEDIATELY AND REDUCE IN SAFE INCREMENTS TO A HEIGHT OF 2 INCHES AND SHALL BE MAINTAINED THEREAFTER AT THE HEIGHT OF 2 INCHES.
  5. AT THE TERMINATION OF THE MAINTENANCE AND WARRANTY PERIOD, ALL TURF AREAS SHALL BE LIVE, HEALTHY, UNDAMAGED, AND FREE OF INFESTATIONS. ALL AREAS SHALL BE COMPLETELY VOID OF BARREN SPOTS LARGER THAN 3 INCHES BY 3 INCHES.
  6. IF ALL PLANTINGS ARE NOT ACCEPTABLE AT THE END OF THE TWO YEAR PERIOD, THE MAINTENANCE AND WARRANTY PERIOD SHALL CONTINUE UNTIL ALL UNACCEPTABLE PLANTINGS ARE REPLACED OR REPAIRED AND THE LANDSCAPING MEETS CITY APPROVAL.
  7. AREAS MAY INCLUDE RETENTION BASINS, PARKS, RIGHTS-OF-WAY, AND STREET CENTER MEDIAN LANDSCAPING.

#### City Capital Improvement Projects (CIP)

All City CIP plans shall have the following shown on the Cover Sheet.

- P. LANDSCAPED AREAS THAT WILL BE MAINTAINED BY THE CITY PARKS DEPARTMENT SHALL BE CLEARLY IDENTIFIED ON THESE PLANS AND ARE SUBJECT TO THE FOLLOWING REQUIREMENTS:
1. THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN AND WARRANTY ALL PLANTED AREAS, INCLUDING IRRIGATION SYSTEMS FOR A PERIOD OF ONE YEAR BEGINNING IMMEDIATELY AFTER THE CITY ISSUES THE NOTIFICATION OF APPROVAL FOR THE PROJECT.
  2. DURING THE MAINTENANCE AND WARRANTY PERIOD, THE CONSTRUCTION CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE PROTECTION TO ALL AREAS. ANY DAMAGED PLANTINGS AND OR IRRIGATION SYSTEMS SHALL BE IMMEDIATELY REPAIRED OR REPLACED AT THE CONSTRUCTION CONTRACTOR'S EXPENSE
  3. MAINTENANCE SHALL INCLUDE CONTINUOUS OPERATIONS OF WATERING, WEEDING, REMOVAL OF DEAD PLANT MATERIAL, MOWING, ROLLING, FERTILIZING, SPRAYING, INSECT AND PEST CONTROL, RE-SEEDING, REPLACEMENT, AND ALL OTHER MEASURES NECESSARY TO ENSURE GOOD NORMAL GROWTH.
  4. WHEN THE TURF HAS ESTABLISHED SUFFICIENT ROOT STRUCTURE AND AN APPROXIMATE HEIGHT OF 3 INCHES, MOWING SHALL BEGIN IMMEDIATELY AND REDUCE IN SAFE INCREMENTS TO A HEIGHT OF 2 INCHES AND SHALL BE MAINTAINED THEREAFTER AT THE HEIGHT OF 2 INCHES.

5. AT THE TERMINATION OF THE MAINTENANCE AND WARRANTY PERIOD, ALL TURF AREAS SHALL BE LIVE, HEALTHY, UNDAMAGED, AND FREE OF INFESTATIONS. ALL AREAS SHALL BE COMPLETELY VOID OF BARREN SPOTS LARGER THAN 3 INCHES BY 3 INCHES.
6. IF ALL PLANTINGS ARE NOT ACCEPTABLE AT THE END OF THE ONE YEAR PERIOD, THE MAINTENANCE AND WARRANTY PERIOD SHALL CONTINUE UNTIL ALL UNACCEPTABLE PLANTINGS ARE REPLACED OR REPAIRED AND THE LANDSCAPING MEETS CITY APPROVAL.
7. AT THE COMPLETION OF THE ONE YEAR WARRANTY AND MAINTENANCE PERIOD, PARK MAINTENANCE WILL BE TRANSFERRED FROM THE CONSTRUCTION CONTRACTOR TO THE PARKS DEPARTMENT.
8. AREAS MAY INCLUDE RETENTION BASINS, PARKS, RIGHTS-OF-WAY, AND STREET CENTER MEDIAN LANDSCAPING.

#### 0.4.12 GENERAL NOTES FOR CUSTOM HOME CONSTRUCTION

All plans for Custom Home Construction shall have the following shown on either the Cover Sheet or the Detail Sheet.

##### CITY OF GOODYEAR GENERAL NOTES FOR CUSTOM HOME CONSTRUCTION

- A. ALL GENERAL CONSTRUCTION NOTES SHALL APPLY.
- B. AN ON-SITE GRADING PERMIT IS REQUIRED.
- C. A SEPARATE PERMIT IS REQUIRED FOR ANY OFF-SITE CONSTRUCTION WITHIN THE CITY OF GOODYEAR RIGHTS-OF-WAY.
- D. GRADING AND DRAINAGE PLAN APPROVAL INCLUDES RETENTION AND DETENTION AREAS, OTHER DRAINAGE FACILITIES AND CHANGES TO SURFACE GRADING AFFECTING DRAINAGE STRUCTURES, CURBS, ASPHALT PAVEMENT, AND BUILDING FLOOR ELEVATIONS.
- E. ALL RETAINING WALLS THAT RETAIN GREATER THAN ONE FOOT ARE REVIEWED AND PERMITTED THROUGH THE BUILDING SAFETY DEPARTMENT. A SEPARATE PERMIT IS REQUIRED FOR RETAINING WALL CONSTRUCTION AND INSPECTION.
- F. FINISHED FLOOR ELEVATIONS SHALL BE A MINIMUM OF 18 INCHES ABOVE LOT OUTFALL AND A MINIMUM OF 12 INCHES ABOVE ANY ADJACENT HIGH WATER ELEVATION. LOT GRADING SHALL BE PER THE APPROVED PLAN AND COMPLY WITH CHAPTER 4 OF THE INTERNATIONAL RESIDENTIAL CODE AS CURRENTLY ADOPTED BY THE CITY OF GOODYEAR.
- G. STAKING PAD AND/OR FINISHED FLOOR ELEVATIONS ARE THE RESPONSIBILITY OF THE DEVELOPER OR HIS ENGINEER. CERTIFICATION OF THE FINISHED BUILDING PAD FOR BOTH ELEVATION AND COMPACTION SHALL BE SUBMITTED TO THE CITY

- CONSTRUCTION INSPECTOR AND APPROVED PRIOR TO ANY VERTICAL CONSTRUCTION. ADDITIONAL SUBMITTALS MAY BE REQUIRED BY THE CITY'S BUILDING INSPECTOR.
- H. THE PROJECT ENGINEER OR REGISTERED LAND SURVEYOR SHALL CERTIFY THAT THE SITE, INCLUDING RETAINING WALLS BUT WITH THE EXCEPTION OF THE BUILDING PAD, HAS BEEN GRADED TO WITHIN 0.1-FOOT OF THE ELEVATIONS INDICATED ON THE APPROVED GRADING AND DRAINAGE PLANS. THE BUILDING PAD SHALL BE CERTIFIED TO BE AT OR ABOVE APPROVED PLAN ELEVATION. ANY DEVIATION FROM THE APPROVED GRADING AND DRAINAGE PLANS SHALL BE IDENTIFIED IN THE CERTIFICATION AND WILL BE SUBJECT TO REVIEW AND APPROVAL BY THE CITY'S ENGINEERING DEPARTMENT.
- I. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ANY EXISTING WATER OR SEWER LINE BEFORE STARTING CONSTRUCTION. IF THE EXISTING LINE IS FOUND TO BE IN A SUBSTANTIALLY DIFFERENT LOCATION, OR WILL ADVERSELY AFFECT THE OPERATION OF THE UTILITY, THE CONTRACTOR SHALL NOTIFY THE CITY CONSTRUCTION INSPECTOR. THE CONTRACTOR SHALL ONLY CONNECT NEW WATER AND SEWER SERVICE LINES TO THE EXISTING SYSTEM WITH SPECIFIC APPROVAL OF THE CITY CONSTRUCTION INSPECTOR.
- J. THE CITY OF GOODYEAR IS NOT LIABLE FOR DELAYS OR DAMAGE TO UTILITIES RELATING TO THIS CONSTRUCTION; NEITHER WILL THE CITY PARTICIPATE IN THE COST OF UTILITY CONSTRUCTION OR RELOCATION.
- K. WATER METERS SHALL BE INSTALLED BY THE UTILITY AGENCY AFTER PAYMENT OF ALL PREVAILING FEES. THE METER BOX SHALL BE INSTALLED TO THE PROPER GRADE, BE VISIBLE AND FREE OF OBSTRUCTION AND DEBRIS. ALL SERVICE LINES AND CONNECTIONS SHALL BE FREE OF LEAKS.
- L. TRACER WIRE SHALL BE INSTALLED ON ALL PRIVATE PVC WATER AND SEWER LINES.
- M. THE FOLLOWING IS REQUIRED BY THE ENGINEERING DEPARTMENT FOR ISSUANCE OF A CERTIFICATE OF OCCUPANCY:
1. "AS-BUILT" DRAWINGS (ONE SET OF MYLARS AND TWO SETS OF PRINTS) CERTIFIED BY THE DEVELOPER'S ENGINEER, RECEIVED AND APPROVED BY THE CITY OF GOODYEAR. SEE AS-BUILT REQUIREMENTS.
  2. INSPECTOR-APPROVED PAD CERTIFICATIONS (COMPACTION REPORTS AND PAD ELEVATIONS).
  3. APPROVAL OF SITE GRADING.
  4. PROPERTY CORNER PINS INSTALLED AND VISIBLE.
  5. FINAL INSPECTION PERFORMED ON ALL ON-SITE AND OFF-SITE CONSTRUCTION AND ALL PUNCH LIST ITEMS COMPLETED.

0.4.13 GENERAL NOTES FOR FINAL PLAT

All Final Plats shall have the following general notes shown on either the Cover Sheet or the Detail Sheet, unless otherwise approved by the City Engineering and Community Development Departments.

CITY OF GOODYEAR  
GENERAL NOTES FOR FINAL PLAT

- A. WATER SERVICE NOTE (ONE OF THE FOLLOWING)
  - 1. THIS DEVELOPMENT IS WITHIN THE SERVICE AREA OF THE CITY OF GOODYEAR WHICH HAS BEEN DESIGNATED AS HAVING AN ASSURED WATER SUPPLY PURSUANT TO ARS 45-576 SUBSECTION B. THE CITY OF GOODYEAR’S ASSURED WATER SUPPLY DESIGNATION IS SUPPORTED IN PART BY THE CITY’S MEMBERSHIP IN THE CENTRAL ARIZONA GROUNDWATER REPLENISHMENT DISTRICT (CAGRD). PROPERTY WITHIN THIS DEVELOPMENT MAY BE ASSESSED A FEE BASED ON ITS PRO RATA SHARE OF THE CITY’S COST FOR CAGRD PARTICIPATION.
  - 2. CERTIFICATE OF ASSURED WATER SUPPLY  
THIS DEVELOPMENT IS LOCATED WITHIN THE SERVICE AREA OF *(insert water company name here)* AND HAS BEEN GRANTED A CERTIFICATE OF ASSURED WATER SUPPLY FROM THE ARIZONA DEPARTMENT OF WATER RESOURCES (ADWR).

MANAGER	DATE
<i>(insert water company name here)</i>	

- B. NO STRUCTURES OF ANY KIND SHALL BE CONSTRUCTED OR PLACED WITHIN OR OVER THE UTILITY EASEMENTS EXCEPT: UTILITIES, ASPHALT PAVING, GRASS, AND WOOD, WIRE OR REMOVABLE SECTION TYPE FENCING. THE CITY OF GOODYEAR SHALL NOT BE REQUIRED TO REPLACE OR PROVIDE REIMBURSEMENT FOR THE COST OF REPLACING ANY OBSTRUCTIONS, PAVING OR PLANTING THAT IS REMOVED DURING THE COURSE OF MAINTAINING, CONSTRUCTING OR RECONSTRUCTING UTILITY FACILITIES.
- C. NO STRUCTURE OF ANY KIND SHALL BE CONSTRUCTED OR ANY VEGETATION SHALL BE PLANTED NOR WILL BE ALLOWED TO GROW WITHIN, ON OR OVER ANY DRAINAGE EASEMENT WHICH WOULD OBSTRUCT OR DIVERT THE FLOW OF STORM WATER. THE CITY MAY, IF IT SO DESIRES, CONSTRUCT OR MAINTAIN DRAINAGE FACILITIES ON OR UNDER THE LAND OF THE DRAINAGE EASEMENT.
- D. IMPROVEMENTS MADE WITHIN A CITY RIGHT-OF-WAY, TRACT, OR EASEMENT THAT WILL BE MAINTAINED IN THE FUTURE BY THE CITY OF GOODYEAR SHALL BE CLEARLY IDENTIFIED ON THE APPROVED PLANS AND ARE SUBJECT TO THE FOLLOWING REQUIREMENTS. IMPROVEMENTS MAY INCLUDE BUT ARE NOT LIMITED TO STREET SURFACES, CURBS, GUTTERS, SIDEWALKS,

RAMPS, DRIVEWAYS, TURN BAYS, BUS BAYS, STREET LIGHTING, SIGNAGE, AND STREET STRIPING.

1. THE DEVELOPER SHALL MAINTAIN AND WARRANTY ALL IMPROVEMENTS FOR A PERIOD OF TWO-YEARS BEGINNING IMMEDIATELY AFTER THE CITY ISSUES THE NOTIFICATION OF APPROVAL FOR THE PROJECT.
  2. DURING THE MAINTENANCE AND WARRANTY PERIOD, THE DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE PROTECTION TO ALL IMPROVEMENTS. ANY DAMAGED IMPROVEMENT SHALL BE IMMEDIATELY REPAIRED OR REPLACED AT THE DEVELOPER'S EXPENSE.
  3. MAINTENANCE SHALL INCLUDE BUT IS NOT LIMITED TO STREET SWEEPING, APPLICATION OF A SEALANT ON ALL CRACKS AND JOINTS, AND APPLICATION OF A SEALANT OVER ALL ASPHALT PAVEMENTS.
  4. AT THE TERMINATION OF THE MAINTENANCE AND WARRANTY PERIOD ALL IMPROVEMENTS SHALL BE UNDAMAGED AND SHALL MEET CITY STANDARDS.
  5. IF ALL IMPROVEMENTS ARE NOT ACCEPTABLE AT THE END OF THE TWO-YEAR WARRANTY PERIOD, THE MAINTENANCE AND WARRANTY PERIOD SHALL CONTINUE UNTIL THE IMPROVEMENTS MEET CITY APPROVAL.
- E. LANDSCAPED AREAS THAT WILL BE MAINTAINED IN THE FUTURE BY THE CITY OF GOODYEAR SHALL BE CLEARLY IDENTIFIED ON THE APPROVED PLANS AND ARE SUBJECT TO THE FOLLOWING REQUIREMENTS. THESE AREAS MAY INCLUDE RETENTION BASINS, PARKS, RIGHTS-OF-WAY, AND STREET CENTER MEDIAN LANDSCAPING.
1. THE DEVELOPER SHALL MAINTAIN AND WARRANTY ALL PLANTED AREAS INCLUDING IRRIGATION SYSTEMS FOR A PERIOD OF TWO-YEARS BEGINNING IMMEDIATELY AFTER THE CITY ISSUES THE NOTIFICATION OF APPROVAL FOR THE PROJECT.
  2. DURING THE MAINTENANCE AND WARRANTY PERIOD, THE DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE PROTECTION TO ALL AREAS. ANY DAMAGED PLANTING AND OR IRRIGATION SYSTEMS SHALL BE IMMEDIATELY REPAIRED OR REPLACED AT THE DEVELOPER'S EXPENSE.
  3. MAINTENANCE SHALL INCLUDE CONTINUOUS OPERATIONS OF WATERING, WEEDING, REMOVAL OF DEAD PLANT MATERIAL, MOWING, ROLLING, FERTILIZING, SPRAYING, INSECT AND PEST CONTROL, RE-SEEDING, REPLACEMENT, AND ALL OTHER MEASURES NECESSARY TO ENSURE GOOD NORMAL GROWTH.
  4. WHEN THE TURF HAS ESTABLISHED SUFFICIENT ROOT STRUCTURE AND AN APPROXIMATE HEIGHT OF 3-INCHES, MOWING SHALL BEGIN IMMEDIATELY TO A 2-INCH HEIGHT AND SHALL BE MOWED THEREAFTER AND REDUCED IN SAFE INCREMENTS TO A HEIGHT OF 2-INCHES.

5. AT THE TERMINATION OF THE MAINTENANCE AND WARRANTY PERIOD ALL TURF AREA SHALL BE LIVE, HEALTHY, UNDAMAGED, AND FREE OF INFESTATIONS. ALL AREAS SHALL BE COMPLETELY VOID OF BARREN SPOTS LARGER THAN 3 INCHES BY 3 INCHES.
6. IF ALL PLANTINGS ARE NOT ACCEPTABLE AT THE END OF THE TWO-YEAR PERIOD, THE MAINTENANCE AND WARRANTY PERIOD SHALL CONTINUE UNTIL THE LANDSCAPING MEETS CITY APPROVAL.
- F. STRUCTURES WITHIN VISIBILITY EASEMENTS WILL BE LIMITED TO A HEIGHT OF THREE (3) FEET; LANDSCAPING WITHIN VISIBILITY EASEMENTS WILL BE LIMITED TO GROUND COVER, FLOWERS AND GRANITE LESS THAN TWO (2) FEET (MATURE) IN HEIGHT AND/OR TREES WITH BRANCHES NOT LESS THAN SEVEN (7) FEET ABOVE THE GROUND. TREES SHALL NOT BE PLACED LESS THAN EIGHT (8) FEET APART.
- G. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE PROPER MAINTENANCE AND REPAIR OF ALL FACILITIES ASSOCIATED WITH STORMWATER MANAGEMENT ON A PROPERTY.
- H. THIS PARCEL IS SUBJECT TO ATTENDANT NOISE, VIBRATIONS, DUST, AND ALL OTHER EFFECTS THAT MAY BE CAUSED BY OVERFLIGHTS AND BY THE OPERATION OF AIRCRAFT LANDING AT, OR TAKING OFF FROM PHOENIX-GOODYEAR AIRPORT AND LUKE AIR FORCE BASE.
- I. THIS DEVELOPMENT IS SUBJECT TO ATTENDANT NOISE CAUSED FROM VEHICULAR TRAFFIC ON INTERSTATE 10 AND THE PROPOSED LOOP 303.
- J. THIS DEVELOPMENT IS ADJACENT TO AGRICULTURAL USES AND IS THEREFORE SUBJECT TO NOISE, DUST AND ODORS ASSOCIATED WITH SUCH A USE.
- K. ALL NEW OR RELOCATED UTILITIES WILL BE PLACED UNDERGROUND (*EXCEPTIONS ARE TO BE NOTED*).
- L. ALL LOT CORNERS SHALL BE MONUMENTED WITH ½" REBAR WITH CAP, TAG OR OTHER MONUMENTATION AS DESCRIBED BEARING THE REGISTRATION NUMBER OF THE SURVEYOR RESPONSIBLE FOR THEIR PLACEMENT.
- M. THE CITY OF GOODYEAR IS NOT RESPONSIBLE FOR AND WILL NOT ACCEPT MAINTENANCE OF ANY PRIVATE UTILITIES, PRIVATE STREETS, PRIVATE FACILITIES, OR LANDSCAPED AREAS WITHIN THIS DEVELOPMENT.
- N. THE STREETS IN TRACT (IDENTIFY TRACT) ARE PRIVATE STREETS, TO BE OWNED AND MAINTAINED BY THE PROPERTY OWNERS ASSOCIATION (POA) OR HOMEOWNERS ASSOCIATION (HOA). AFTER THIS PLAT IS RECORDED, THE CITY OF GOODYEAR WILL NOT ACCEPT DEDICATION OF THE STREET MAINTENANCE RESPONSIBILITIES UNLESS ALL STREET IMPROVEMENTS AND RIGHTS-OF-WAY MEET CURRENT APPLICABLE CITY STANDARDS. (*DEVELOPMENTS WITH PRIVATE STREETS*)

- O. MAINTENANCE OF EASEMENTS THAT LIE WITHIN THE BOUNDARIES OF A SUBDIVISION LOT SHALL BE THE RESPONSIBILITY OF THE POA OR HOA, WITH THE FOLLOWING EXCEPTIONS (*RESIDENTIAL AND COMMERCIAL SUBDIVISIONS – LIST THE LOTS AND SPECIFY THE EXCEPTIONS*).
- P. MAINTENANCE OF LANDSCAPING THAT LIES WITHIN THE FRONT YARD OF A SINGLE FAMILY RESIDENCE SHALL BE THE RESPONSIBILITY OF THE HOMEOWNER UNLESS OTHERWISE NOTED ON THIS PLAT. THIS INCLUDES LANDSCAPING WITHIN THE RIGHT-OF-WAY, PRIVATE STREET TRACT, AND/OR PUBLIC UTILITY EASEMENT (PUE). (*RESIDENTIAL SUBDIVISIONS*)
- Q. ALL CORNER LOTS AND ALL LOTS ABUTTING AN ARTERIAL STREET ARE LIMITED TO SINGLE-STORY STRUCTURES. (*RESIDENTIAL SUBDIVISIONS – PROVIDE A LIST OF LOT NUMBERS*).
- R. DRIVEWAYS ON KEY LOTS ARE TO BE LOCATED ON THE SIDE OF THE LOT OPPOSITE THE ADJACENT REAR LOT LINE. (*RESIDENTIAL SUBDIVISIONS – KEY LOTS NUMBERS TO BE SHOWN*).
- S. DRIVEWAYS ON CORNER LOTS ARE TO BE LOCATED ON THE SIDE OF THE LOT FURTHEST FROM THE STREET INTERSECTION. (*RESIDENTIAL SUBDIVISIONS – CORNER LOTS NUMBERS TO BE SHOWN*).
- T. AT T-INTERSECTIONS (THREE-WAY INTERSECTIONS) THE NON-LIVING SPACE SIDE OF THE HOUSE SHALL BE POSITIONED ON THE LOT IN ORDER TO AVOID HEADLIGHT INTRUSION INTO LIVING AREAS (*RESIDENTIAL SUBDIVISIONS – T LOTS NUMBERS TO BE SHOWN*).

#### 0.4.14 GENERAL NOTES FOR TRAFFIC SIGNAL PLANS

All Traffic Signal Plans shall have the following general notes shown on either the Cover Sheet or the Detail Sheet, unless otherwise approved by the City Engineering and Community Development Departments.

#### CITY OF GOODYEAR GENERAL NOTES FOR TRAFFIC SIGNAL PLANS

- A. ALL MATERIALS AND INSTALLATION SHALL CONFORM TO THE ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) STANDARD SPECIFICATIONS, CURRENT EDITION, AND THE ADOT "TRAFFIC SIGNALS AND LIGHTING" STANDARD DRAWINGS, CURRENT EDITION, AS MODIFIED BY THE CITY OF GOODYEAR. TRAFFIC SIGNAL STRUCTURES AND FOUNDATIONS SHALL CONFORM TO CURRENT CITY OF TEMPE STANDARDS FOR MODULAR TRAFFIC SIGNAL STRUCTURES AND APPROVED FOR USE BY THE CITY OF GOODYEAR. DRAWINGS OF ANY NON-STANDARD FOUNDATIONS OR STRUCTURES SHALL BE SEALED BY AN ARIZONA REGISTERED STRUCTURAL ENGINEER AND SUBMITTED TO THE CITY OF GOODYEAR TRAFFIC ENGINEER. THESE DRAWINGS MUST BE APPROVED BY THE CITY TRAFFIC ENGINEER IN ORDER TO BE USED ON PROJECTS IN THE CITY OF GOODYEAR.

- B. THE CONTRACTOR SHALL PROVIDE 4 SETS OF EQUIPMENT SUBMITTALS TO BE APPROVED BY THE CITY OF GOODYEAR TRAFFIC ENGINEER PRIOR TO INSTALLATION. CONTACT: GOODYEAR ENGINEERING DEPARTMENT (623) 932-3004.
- C. THE CONTRACTOR SHALL WORK FROM THE CITY APPROVED PLAN SET.
- D. THE CONTRACTOR SHALL HOLD A PRECONSTRUCTION MEETING WITH KEY STAKEHOLDERS, WHICH INCLUDES OWNERS, INSPECTORS, UTILITY COMPANIES, BARRICADE AND POLICE SERVICES BEFORE THE START OF WORK.
- E. THE LOCATION OF UTILITIES AND EXISTING CONDUITS AND SLEEVES SHOWN ON THE PLANS IS AS PROVIDED BY VARIOUS SOURCES. ALL INVOLVED UTILITIES MAY NOT BE SHOWN ON THE PLANS. PER SECTION 730-6 OF THE ADOT STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITIES FOR THEIR EXACT LOCATION PRIOR TO ANY CONSTRUCTION ACTIVITY. IN ADDITION, THE CONTRACTOR SHALL PERFORM NECESSARY POTHOLING TO DETERMINE LOCATION, SIZE AND OWNERSHIP OF UTILITIES.
- F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND INSPECTIONS, INCLUDING COORDINATION WITH THE CITY OF GOODYEAR ENGINEERING DEPARTMENT, AT (623) 932-3004 AND ARIZONA PUBLIC SERVICE (APS) FOR UTILITY CONNECTION. CONTRACTOR SHALL CONTACT THE ENGINEERING INSPECTOR A MINIMUM OF 3 WORKING DAYS PRIOR TO BEGINNING WORK, AND AT MILESTONES SPECIFIED BY THE CITY OF GOODYEAR ENGINEERING INSPECTOR.
- G. ANY WORK PERFORMED WITHOUT THE APPROVAL OF THE CITY OF GOODYEAR ENGINEERING DEPARTMENT, AND NOT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, IS SUBJECT TO REMOVAL AND REPLACEMENT BY THE CONTRACTOR AT NO EXPENSE TO THE CITY.
- H. POLE, CABINET, CONDUIT AND PULL BOX LOCATIONS AND ORIENTATIONS SHOWN ON THE PLANS ARE SUBJECT TO FIELD ADJUSTMENT BY THE CITY OF GOODYEAR ENGINEERING INSPECTOR AS A RESULT OF FIELD CONDITIONS. THESE ADJUSTMENTS SHALL OCCUR AT NO ADDITIONAL EXPENSE TO THE CITY. THE CONTRACTOR SHALL OBTAIN BLUE STAKE MARKINGS, MARK TENTATIVE LOCATIONS OF FACILITIES, RIGHT OF WAY AND FINAL GRADE AT STRUCTURE LOCATIONS, AND GET APPROVAL FROM THE CITY OF GOODYEAR ENGINEERING INSPECTOR PRIOR TO EXCAVATION AND FIELD CONSTRUCTION. ITEMS PLACED PRIOR TO THIS APPROVAL ARE SUBJECT TO REMOVAL AND REPLACEMENT BY THE CONTRACTOR AT NO COST TO THE CITY.
- I. ANY EXISTING IMPROVEMENTS, SIDEWALKS, RAMPS, LANDSCAPING AND IRRIGATION SYSTEMS DISRUPTED OR DAMAGED BY THE CONTRACTOR DURING THE COURSE OF THIS CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO EXPENSE TO THE CITY. CONTRACTOR SHALL BE RESPONSIBLE, TO THE



- SATISFACTION OF THE CITY OF GOODYEAR ENGINEERING INSPECTOR, FOR THE REPAIRS AND REPLACEMENT OF ANY PRIVATE OR PUBLIC PROPERTIES OR FACILITIES DAMAGED, MISPLACED OR RELOCATED DURING THIS CONSTRUCTION.
- J. ELECTRICAL SERVICE SHOWN ON PLAN IS BASED ON BEST AVAILABLE INFORMATION AT DESIGN AND IS SUBJECT TO VERIFICATION BY THE CONTRACTOR WITH APS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL BE PREPARED TO ADJUST SERVICE LOCATION IF REQUIRED BY APS. CONTACT APS AT (602) 371-7989 FOR ELECTRICAL SERVICE. ELECTRICAL SERVICE SHALL BE FULLY METERED FOR SIGNALS AND LIGHTING PER APS REQUIREMENTS. SERVICE ADDRESS SHALL BE AS SHOWN ON THE PLANS OR AS PROVIDED BY THE ENGINEERING INSPECTOR. THE ADDRESS LABEL SHALL BE ENGRAVED TYPE USING BLOCK LETTERS. THE ELECTRICAL SERVICE SHALL NOT BE LOCATED WITHIN 20 FEET OF THE SIGNAL CONTROL CABINET.
- K. ELECTRICAL SERVICE SHALL BE 100 AMP, 120/240V, SINGLE-PHASE, FULLY METERED. METER PEDESTAL SHALL CONTAIN CONTRACTOR SUPPLIED AND INSTALLED BREAKERS OF ADEQUATE SIZE FOR LOADS (LABELED IN TYPE SET) SHOWN ON THE PLANS, PLUS REASONABLE FUTURE EXPANSION, AND APPROVED FOR USE BY APS. LUMINARIES SHALL BE 240V; ILLUMINATED STREET NAME SIGNS SHALL BE 120V. METER PEDESTAL SHALL CONTAIN PHOTOCELL AND CONTACTOR. INSTALL PEC, 20 AMP FUSED LIGHTING CONTACTOR.
- L. ILLUMINATED STREET NAME SIGN MESSAGE/TEXT WILL BE DETERMINED BY THE CITY OF GOODYEAR AS PART OF THE EQUIPMENT SUBMITTAL PROCESS.
- M. CITY SHALL INSPECT ALL POLE FOUNDATIONS PRIOR TO PLACEMENT OF CONCRETE. CONCRETE SHALL BE MAG CLASS AA, 4,000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS. THE CONTRACTOR SHALL PROVIDE A COPY OF EACH CONCRETE LOAD TICKET TO THE ENGINEERING INSPECTOR. THE CONCRETE SHALL BE PLACED PER SECTION 506.6 OF THE MARICOPA ASSOCIATION OF GOVERNMENT MAG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, WHICH STATES THAT FRESH CONCRETE SHALL NOT BE PERMITTED TO FALL FROM A HEIGHT OF GREATER THAN SIX FEET WITHOUT THE USE OF ADJUSTABLE LENGTH PIPES OR ELEPHANT TRUNKS.
- N. EACH FOUNDATION THAT SUPPORTS A MAST ARM STRUCTURE SHALL BE TESTED FOR STRENGTH AT SEVEN, FOURTEEN AND 28 DAYS OR UNTIL 4000 PSI IS ACHIEVED. A COPY OF THE TESTING RESULTS SHALL BE SUBMITTED TO THE CITY OF GOODYEAR ENGINEERING INSPECTOR BEFORE MAST ARM STRUCTURES CAN BE INSTALLED.
- O. CONTRACTOR SHALL HAVE AN INDEPENDENT CERTIFIED TESTING AGENCY PERFORM A THREE POINT GROUND RESISTANCE TEST AT ELECTRICAL SERVICE, SIGNAL CABINET AND FOR EACH INSTALLED GROUND ROD AND POLE FOUNDATION GROUND COIL IN

- ACCORDANCE WITH ADOT SUBSECTION 732-3.03, & SUBMITTED TO THE CITY ENGINEERING INSPECTOR FOR APPROVAL.
- P. EXISTING CONDUIT OR SLEEVES MAY EXIST WITHIN THE PROJECT AND MAY BE USED WITH THE APPROVAL OF THE CITY OF GOODYEAR ENGINEERING INSPECTOR. IF USED, CONDUITS SHALL BE PROOFED IN THE PRESENCE OF THE CITY OF GOODYEAR ENGINEERING INSPECTOR AT NO EXPENSE TO THE CITY. CONTRACTOR SHALL MANDREL AND CLEAN ANY EXISTING CONDUITS TO BE REUSED WITH A RAG PULLED THROUGH THE CONDUIT PRIOR TO CONDUCTOR INSTALLATION.
- Q. STREET CROSSING CONDUITS SHALL CONSIST OF THREE 3" SCHEDULE 80 CONDUITS. TYPICALLY, ONE CONDUIT IS USED EXCLUSIVELY FOR VIDEO DETECTION & PREEMPTION CABLES, ONE IS USED FOR ELECTRICAL CIRCUITS AND ONE IS A SPARE WITH INSULATED BOND.
- R. THE CONTROLLER CABINET AND ITS COMPONENTS SHALL BE DELIVERED TO THE CITY OF GOODYEAR TRAFFIC OPERATIONS FACILITY AT 200 S. CALLE DEL PUEBLO FOR TESTING A MINIMUM OF THREE WORKING DAYS PRIOR TO INSTALLATION.
- S. THE CONTROLLER CABINET SHALL BE WIRED AND LABELED WITH THE SAME PHASE NUMBER DESIGNATIONS, FOR INITIAL AND FUTURE PHASES, AS SHOWN IN THE PHASE MOVEMENT DIAGRAM. EACH CONNECTOR SHALL HAVE ALL PINS WITHIN THE CONNECTOR BROUGHT TO CABINET TIE POINTS. CITY WILL REJECT ANY CONTROL CABINET NOT WIRED ACCORDINGLY.
- T. PEDESTRIAN PUSH BUTTONS AND ASSOCIATED ACCESS SHALL CONFORM TO ADA REQUIREMENTS. SIDEWALK PADS SHALL BE PROVIDED AS NECESSARY, AT NO ADDITIONAL COST TO THE CITY, TO ENSURE SIDEWALK ACCESS TO FACE OF POLES WITH PEDESTRIAN BUTTONS. THE SIDEWALK LAYOUT SHALL BE BASED ON THE FINAL POLE LOCATIONS AND SHALL BE APPROVED BY THE CITY OF GOODYEAR ENGINEERING INSPECTOR.
- U. BACKFILLING SHALL NOT BE STARTED UNTIL CONDUIT HAS BEEN INSPECTED AND APPROVED BY THE CITY OF GOODYEAR ENGINEERING INSPECTOR.
- V. ALL PULL BOXES SHALL BE ADOT-APPROVED BRANDS AND MODELS OF POLYMER BOXES, LIDS, EXTENSIONS & LOCKS (PENTA HEAD BOLTS). TRAFFIC SIGNAL PULL BOX LIDS SHALL SAY "TRAFFIC SIGNAL" UNLESS OTHERWISE NOTED ON THE PLANS.
- W. ALL PULL BOXES, AT PROJECT COMPLETION, SHALL BE LEFT IN CLEAN CONDITION, FREE OF DIRT AND DEBRIS. ALL PULL BOXES SHALL BE LEVEL AND ALL LIDS AND BOXES SHALL BE UNCRACKED/UNBROKEN, WITH APPROPRIATE LID WORDING.
- X. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON TRAFFIC CONTROL DEVISED MOST RECENT EDITION (MUTCD), SECTION VI, ANY ADOT SUPPLEMENTS, AND CITY OF PHOENIX TRAFFIC BARRICADE MANUAL, CURRENT EDITION. THE CITY REQUIRES A POLICE OFFICER AND MARKED POLICE VEHICLE TO BE PRESENT DURING CERTAIN CRITICAL PHASES OF

- CONSTRUCTION, AS DETERMINED BY THE CITY OF GOODYEAR ENGINEERING INSPECTOR. POLICE OFFICER ABSENCE AUTOMATICALLY CANCELS CRITICAL PHASES OF CONSTRUCTION UNTIL A POLICE OFFICER IS PRESENT.
- Y. CONTRACTOR SHALL SUBMIT AN ACTIVATION DATE TO THE CITY OF GOODYEAR ENGINEERING INSPECTOR FOR APPROVAL. ONCE APPROVED, THE ACTIVATION SHALL BE SHOWN IN THE CONSTRUCTION SCHEDULE. ACTIVATION SHALL NOT OCCUR ON MONDAY, FRIDAY OR WEEKENDS
- Z. CROSSWALKS AND STOP LINES SHALL BE IN PLACE AT THE TIME OF SIGNAL ACTIVATION. EXISTING STOP SIGNS, OPERATIONAL TRAFFIC SIGNALS AND ROADWAY LIGHTING, STREET NAME SIGNS AND POSTS SHALL REMAIN IN PLACE UNTIL ACTIVATION OF THE NEW SIGNAL, AT WHICH TIME THEY SHALL BE IMMEDIATELY REMOVED AND SALVAGED TO THE CITY OF GOODYEAR. DAMAGED OR LOST MATERIALS SHALL BE REPLACED IN KIND BY CONTRACTOR AT NO EXPENSE TO THE CITY.
- AA. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE CITY OF GOODYEAR ENGINEERING INSPECTOR A TWO WEEK CONSTRUCTION SCHEDULE, UPDATED EACH FRIDAY DURING CONSTRUCTION. A COPY OF APPROVED PROJECT PLANS SHALL BE ON SITE AT ALL TIMES AND IN THE POSSESSION OF THE TRAFFIC SIGNAL CONTRACTOR DURING CONSTRUCTION. ANY DEVIATIONS FROM APPROVED PLANS SHALL BE APPROVED IN WRITING ON THE ON-SITE PLANS, BY THE CITY OF GOODYEAR ENGINEERING INSPECTOR.
- BB. AN INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION (IMSA)-CERTIFIED TRAFFIC SIGNAL LEVEL II TECHNICIAN SHALL BE ON SITE AT ALL TIMES DURING CONSTRUCTION.
- CC. THE CONTRACTOR IS RESPONSIBLE FOR PREPARING FINAL AS-BUILT DRAWINGS, ON MYLAR, AND SUBMITTING TO THE ENGINEERING INSPECTOR BEFORE FINAL ACCEPTANCE WILL BE GRANTED BY THE CITY OF GOODYEAR. MAST ARM HEIGHTS SHALL BE DOCUMENTED ON AS-BUILTS FOR EACH ARM.
- DD. CONTRACTOR SHALL FURNISH & INSTALL 4-CONDUCTOR AND/OR 7-CONDUCTOR IMSA CABLES FROM EACH SIGNAL FACE AND PEDESTRIAN BUTTON ON INDIVIDUAL STRUCTURES, TO THE BASE PANEL TERMINAL BLOCK, WHERE THEY WILL BE TERMINATED TO THE 20-CONDUCTOR IMSA CABLE THAT FEEDS THE STRUCTURE FROM THE CONTROLLER CABINET. PANELS AT ENDS OF MAST ARMS, AS WELL AS "FAR LEFT" SIDE STRUCTURES FOR AN APPROACH THAT DO NOT INITIALLY HAVE LEFT TURN ARROW DISPLAYS SHALL HAVE SEPARATE 4-CONDUCTOR CABLES RUN THROUGH THE STRUCTURE AND COILED AT THE FUTURE SIGNAL HEAD LOCATION. THESE CABLES SHALL BE COILED AND TAGGED IN THE BASE PANEL, FOR FUTURE CONNECTION TO ACTIVATE THE ARROWS WITHOUT THE NEED TO PULL ADDITIONAL CABLES. ALL FUTURE SIGNAL HEADS SHALL BE COVERED USING A MANUFACTURED SIGNAL HEAD COVER WITHOUT PRINT. SIGNAL HEADS SHALL BE COVERED USING A MANUFACTURED SIGNAL

- HEAD COVER WITHOUT PRINT IF NOT ACTIVATED WITHIN 30 DAYS OF INSTALL.
- EE. THE CONTRACTOR SHALL MAINTAIN A MINIMUM CLEARANCE OF 17' FROM THE CROWN OF THE ROAD TO THE BOTTOM OF THE MAST ARM. DOCUMENTATION SHALL BE PROVIDED TO THE CITY OF GOODYEAR ENGINEERING INSPECTOR ON SITE.
- FF. PRIOR TO SCHEDULING ACTIVATION OF THE TRAFFIC SIGNAL, THE CONTRACTOR SHALL CONDUCT A FIELD RING-OUT TEST IN THE PRESENCE OF THE ENGINEERING INSPECTOR AND TRAFFIC SIGNAL TECHNICIAN, TO VERIFY THAT ALL VEHICLE AND PEDESTRIAN INDICATIONS ILLUMINATE WITH THE APPROPRIATE CIRCUIT BY TOUCHING VOLTAGE TO FIELD CABLE CONDUCTORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING AND VERIFYING THE INTEGRITY AND CORRECT CONNECTION AND AIMING OF ALL DETECTION DEVICES, INCLUDING ALL VIDEO DETECTION, PREEMPTION DEVICES, AND PEDESTRIAN DETECTORS. IN ADDITION, THE CONTRACTOR SHALL PROVIDE ADEQUATE TRAFFIC CONTROL, WHICH INCLUDES ONE OR MORE OFF-DUTY POLICE OFFICERS, PRIOR TO SCHEDULING RING-OUT. CROSSWALK AND STOP BAR STRIPING SHOULD BE SCHEDULED TO OCCUR DURING RING-OUT. UPON COMPLETION OF A SUCCESSFUL RING-OUT. THE INTERSECTION WILL BE PLACED INTO FLASH MODE. UPON COMPLETION OF STRIPING OF STOP BARS AND CROSSWALKS, THE TRAFFIC SIGNAL WILL BE FULLY ACTIVATED.
- GG. ALL NEW OR MODIFIED INTERSECTION, ROADWAY AND UNDERDECK LIGHTING ALONG WITH ILLUMINATED STREET NAME SIGNS SHALL AFTER BEING ENERGIZED WILL HAVE A 72 HOUR BURN IN TEST PERIOD. START AND STOP TIMES SHALL BE RECORDED AND FORWARDED TO THE CITY OF GOODYEAR ENGINEERING INSPECTOR. TESTING WILL BE COMPLETE WHEN ALL INTERSECTION, ROADWAY AND UNDERDECK LIGHTING ALONG WITH ILLUMINATED STREET NAME SIGNS HAVE BEEN OPERATIONAL CONCURRENTLY FOR 72 HOURS.
- HH. CONTRACTOR SHALL SUPPLY AND INSTALL A 36" X 36" "TRAFFIC CONTROL CHANGE" SIGN, WITH TWO ORANGE FLAGS PER SIGN, ON EACH APPROACH, AS DIRECTED BY THE ENGINEERING INSPECTOR. THE LOCATION OF EACH SIGN SHALL CONFORM TO MUTCD REQUIREMENTS, AND MUST BE APPROVED BY THE CITY OF GOODYEAR ENGINEERING INSPECTOR. THE MOUNTING HEIGHT SHALL BE MINIMUM 7'-0". SIGNS SHALL BE IN PLACE AT THE TIME OF ACTIVATION OF THE SIGNAL AND REMAIN IN PLACE FOR 30 CONSECUTIVE DAYS, AT WHICH TIME THE CITY OF GOODYEAR WILL REMOVE AND SALVAGE.
- II. A PUNCH LIST OF DISCREPANCIES WILL BE PROVIDED TO THE CONTRACTOR BY THE CITY OF GOODYEAR ENGINEERING INSPECTOR AFTER ACTIVATION. AFTER THE PUNCH LIST IS SATISFIED A LETTER OF COMPLETION WILL BE ISSUED BY THE CITY OF GOODYEAR AND THE WARRANTY PERIOD SHALL BEGIN.

- JJ. CITY FURNISHED EQUIPMENT MUST BE PICKED UP AT THE CITY OF GOODYEAR PUBLIC WORKS EQUIPMENT YARD. THE CONTRACTOR SHALL NOTIFY THE CITY OF GOODYEAR ENGINEERING INSPECTOR THREE WORKING DAYS IN ADVANCE OF EQUIPMENT PICK UP.
- KK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING/MARKING ALL PROJECT INSTALLED UNDERGROUND CONDUITS FOR TRAFFIC SIGNAL AND INTERCONNECT FROM THE TIME OF INSTALLATION UNTIL PROJECT ACCEPTANCE BY THE CITY.
- LL. ALL LOCATIONS FOR VEHICULAR SIGNAL HEADS ON MAST ARMS SHALL BE POPULATED WITH SIGNAL HEADS.

#### 0.4.15 GENERAL NOTES FOR UTILITY CONSTRUCTION

All Utility Construction Plans shall have the following general notes shown on either the Cover Sheet or the Detail Sheet, unless otherwise approved by the City Engineering and Community Development Departments.

##### CITY OF GOODYEAR GENERAL NOTES FOR UTILITY CONSTRUCTION

- A. ALL CONSTRUCTION SHALL CONFORM TO THE CITY ENGINEERING DESIGN STANDARDS AND POLICIES MANUAL (EDS&PM), CITY STANDARD DETAILS, CITY POLICIES AND ORDINANCES, AND CURRENT MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION.
- B. AN APPROVED SET OF PLANS AND PERMITS SHALL BE AVAILABLE ON THE JOB SITE AT ALL TIMES.
- C. A PRE-CONSTRUCTION MEETING WITH THE CITY INSPECTOR IS REQUIRED PRIOR TO CONSTRUCTION. VALID AND COMPLETE BLUE-STAKE MARKINGS SHALL BE VISIBLE AT THE TIME OF THE MEETING. THE CONTRACTOR SHALL CONTACT BLUE STAKE (602-263-1100) AND MAINTAIN NUMBER ON-SITE.
- D. THE CITY SHALL BE NOTIFIED 48-HOURS PRIOR TO ANY CONSTRUCTION WORK OR INSPECTION (623-932-3004). CONSTRUCTION WORK CONCEALED WITHOUT INSPECTION BY THE CITY SHALL BE SUBJECT TO EXPOSURE AT THE CONTRACTOR'S EXPENSE.
- E. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH CITY REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE CITY FROM REQUIRING CORRECTION OF ERRORS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE OR RE-SUBMITTAL OF PLANS IF THEY DO NOT REPRESENT ACTUAL SITE CONDITIONS. THE CITY DOES NOT WARRANT ANY QUANTITIES SHOWN ON THESE PLANS.
- F. DOCUMENTATION OF EXISTING DAMAGED ITEMS SHALL BE DELIVERED TO THE CITY INSPECTOR PRIOR TO STARTING

- CONSTRUCTION. UNLESS DOCUMENTED AND REPORTED TO THE CITY PRIOR TO THE START OF CONSTRUCTION, ALL DAMAGED PROPERTY WITHIN AND ADJACENT TO THE LIMITS OF WORK SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR AT THE REQUEST OF THE CITY. THE PERMIT HOLDER SHALL PROVIDE A WRITTEN SCHEDULE FOR COMPLETION OF REPAIRS.
- G. THE CONTRACTOR SHALL BARRICADE CONSTRUCTION SITES AT ALL TIMES PER THE CITY OF PHOENIX TRAFFIC BARRICADE MANUAL.
- H. TRAFFIC CONTROL PLANS SHALL BE SUBMITTED FOR APPROVAL IN ADVANCE OF CONSTRUCTION. THE APPROVED TRAFFIC CONTROL PLAN AND PERMIT SHALL BE AVAILABLE AT THE WORK SITE AT ALL TIMES. A UNIFORMED OFFICER IS REQUIRED WHEN WITHIN 300' OF A SIGNALIZED INTERSECTION. A CERTIFIED FLAGMAN SHALL BE PROVIDED AT ANY ACCESS TO A PUBLIC ROADWAY WHEN MINIMUM SITE DISTANCES PER CITY OF GOODYEAR (COG) DETAIL G-3232 ARE OBSTRUCTED BY CONSTRUCTION OPERATIONS.
- I. THE DEVELOPER/PURVEYOR IS RESPONSIBLE FOR THE REMOVAL OR RELOCATION OF ALL OBSTRUCTIONS WITHIN THE RIGHT-OF-WAY PRIOR TO STARTING NEW CONSTRUCTION.
- J. CONTRACTOR IS REQUIRED TO COORDINATE ANY LANDSCAPE IRRIGATION AND PLANT REMOVALS AND/OR REPLACEMENT WITH THE PROPERTY OWNER AND THE CITY INSPECTOR. LANDSCAPE SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER. ANY DAMAGE TO AN IRRIGATION SYSTEM SHALL BE REPAIRED WITHIN 48 HOURS. THE CITY MAY REQUIRE LANDSCAPE PLANS BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION. PROPERTY OWNERS SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF CONSTRUCTION. ALL LANDSCAPE SHALL BE PRESSURE TESTED AND WITNESSED BY THE CITY ENGINEERING INSPECTOR. CALL ENGINEERING INSPECTIONS TO SCHEDULE A PRESSURE TEST.
- K. ASPHALT CUTS ARE STRICTLY PROHIBITED, UNLESS AN OPEN CUT HAS BEEN SPECIFICALLY APPROVED ON THE PLANS. ALL STREET CROSSINGS, DRIVEWAYS, SIDEWALKS AND OTHER STRUCTURES AS DIRECTED SHALL BE BORED USING HORIZONTAL DIRECTIONAL DRILLING, UNLESS AN ALTERNATE METHOD HAS BEEN APPROVED BY THE CITY. A BORE PROFILE SHALL BE APPROVED BY THE CITY INSPECTOR PRIOR TO ANY BORING.
- L. UNLESS OTHERWISE APPROVED, UTILITIES SHALL CROSS UNDER ALL WATER MAINS. MINIMUM SEPARATIONS SHALL BE PER COG DETAIL G-3300.
- M. ALL EXCAVATION AND BACKFILL IN RIGHTS-OF-WAYS AND EASEMENTS SHALL BE PER MAG SECTION 601 AND COMPACTED TO A MINIMUM DENSITY OF 95%.
- N. MATERIALS TESTING SHALL BE PER THE CITY'S MATERIAL TESTING FREQUENCY GUIDE. TESTING INFORMATION SHALL BE MAINTAINED ON-SITE AND AVAILABLE UPON REQUEST BY THE CITY INSPECTOR.

- O. DRAINAGE SHALL BE RE-ESTABLISHED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF WORK.
- P. AT NO TIME SHALL EXCAVATED MATERIALS BE STOCKPILED IN, OR ALLOWED TO IMPEDE ANY STREET, GUTTER, DRAINAGE WAY OR EASEMENT. POLLUTION PREVENTION MEASURES SHALL BE IMPLEMENTED DURING CONSTRUCTION AND IT IS THE PERMITTEE'S AND/OR CONTRACTOR'S RESPONSIBILITY TO INSURE THE SITE IS IN COMPLIANCE WITH ALL ENVIRONMENTAL REGULATIONS.
- Q. ALL DISTURBED AREAS SHALL BE STABILIZED TO THEIR ORIGINAL CONDITION WITHIN SEVEN CALENDAR DAYS AFTER UTILITY WORK IS COMPLETE. FOR LARGER PROJECTS, STABILIZATION SHALL BE DONE IN PHASES RATHER THAN AT THE END OF CONSTRUCTION, AND IN NO CASE SHALL ANY AREA REMAIN UNSTABILIZED LONGER THAN 14 CALENDAR DAYS.
- R. THE CONTRACTOR SHALL OBTAIN A DUST CONTROL PERMIT FROM THE MARICOPA COUNTY AIR QUALITY CONTROL DEPARTMENT (MCAQD).
- S. POT HOLE UTILITIES IN ASPHALT BY VACUUM WITH A 1'X1' MAX. HOLE. BACKFILL WITH ½ SACK CONTROLLED LOW STRENGTH MATERIAL (CLSM) PER MAG 728. PAVE BACK FLUSH WITH GRADE AND THICKNESS OF EXISTING ASPHALT PAVEMENT OR MINIMUM THICKNESS AS DIRECTED BY THE CITY INSPECTOR.
- T. STEEL PLATES SHALL BE IN ACCORDANCE WITH MAG STD. DETAIL 211. ALL TRENCHES UNDER PLATES SHALL EITHER BE BACKFILLED OR SHORED TO PREVENT COLLAPSE. PLATES SHALL BE FLUSH WITH STREET SURFACE ON ALL STREETS POSTED 30 MPH OR GREATER. PLATES LOCATED IN STREETS SHALL NOT REMAIN LONGER THAN 10 WORKING DAYS. PLATES SHALL NOT BE STORED IN THE RIGHTS-OF-WAYS.
- U. TYPE A AND B PAVEMENT SURFACE REPLACEMENT MATCH POINT LOCATION SHALL NOT BE WITHIN A LANE WHEEL PATH. WHEN THE MATCH POINT FALLS IN A WHEEL PATH, THE MATCH POINT SHALL BE MOVED OUT OF THE WHEEL PATH AREA TO WITHIN 1' OF A LANE STRIPE OR WITHIN THE CENTER 2' OF THE TRAVEL LANE. TYPE A AND B PAVEMENT SURFACE REPLACEMENT MATCHING SHALL NOT BE LOCATED WITHIN 4' OF AN EXISTING ASPHALT EDGE, CURB OR GUTTER. WHEN THIS OCCURS, ALL ASPHALT SURFACING SHALL BE REMOVED AND REPLACED FROM THE PAVEMENT EDGE, CURB, OR GUTTER TO THE NEW MATCH POINT.
- V. ALL ABOVE-GROUND EQUIPMENT SHALL NOT; ENCROACH INTO THE CITY RIGHT-OF-WAY AND/OR WITHIN 1' OF ANY SIDEWALK EDGE AND 2' OF ANY EDGE OF PAVEMENT; BE LOCATED WITHIN ANY ROADWAY CLEAR ZONE; OR RESTRICT SITE VISIBILITY PER COG DETAIL G-3232. NO CONDUIT SHALL BE LEFT EXPOSED ABOVE GRADE AND SHALL TERMINATE IN AN APPROVED BOX WITH LID 1" ABOVE ADJACENT GRADE. THE BOX SHALL NOT BE LOCATED WITHIN 1' OF ANY SIDEWALK OR PAVEMENT.
- W. ALL ABANDONED UTILITIES SHALL BE COMPLETELY REMOVED FROM THE CITY'S RIGHTS-OF-WAYS AND EASEMENTS.

- X. ALL ALLEY WORK SHALL BE COORDINATED WITH THE CITY'S SANITATION DIVISION.
- Y. A FINAL INSPECTION WITH THE CITY INSPECTOR AFTER WORK IS COMPLETED IS REQUIRED TO CLOSE OUT THE PERMIT.

#### 0.4.16 GENERAL NOTES FOR STREETLIGHTS

All Street Light Construction Plans shall have the following general notes shown on either the Cover Sheet or the Detail Sheet, unless otherwise approved by the City Engineering and Community Development Departments.

The following information is provided to emphasize critical work and is intended to supplement the specifications.

#### CITY OF GOODYEAR GENERAL NOTES FOR STREET LIGHTS

- A. THE CONTRACTOR SHALL COMPLY WITH STATE AND CITY STATUTES AND ORDINANCES.
- B. PRIOR TO SUBMITTAL, THE STREET LIGHT DESIGNER SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT THE CONSTRUCTION SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THE CONTRACT.
- C. THE STREET LIGHT DESIGNER SHOULD VERIFY DIMENSIONS AT THE SITE AND IMMEDIATELY REPORT DIFFERENCES TO THE DEVELOPER'S CONSTRUCTION MANAGER AND NOT PROCEED WITH WORK UNTIL THE CONSTRUCTION MANAGER RENDERS A DECISION.
- D. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH ALL LICENSING REQUIREMENTS SET FORTH BY THE STATE REGISTRAR OF CONTRACTORS OFFICE TO PERFORM WORK RELATING TO STREET LIGHT INSTALLATION IN CITY OF GOODYEAR RIGHT-OF-WAY.
- E. ONE DRY UTILITY PERMIT FOR EACH CITY OF GOODYEAR STREET LIGHT PROJECT SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- F. LIGHT POLES SHALL BE INSTALLED PLUMB, BE ADJUSTED TO PROVIDE PROPER ALIGNMENT TO THE ROADWAY BEING LIGHTED AND BE PROPERLY GROUNDED WHEN THE INSTALLATION IS COMPLETED.
- G. STREET LIGHTS ARE INSPECTED BY THE CITY OF GOODYEAR STREET LIGHTING INSPECTOR. WHEN ACCEPTED AND ENERGIZED THE CONTRACTOR WILL INSTALL POLE NUMBERS PRIOR TO INSPECTION.
- H. LUMINAIRES SHALL BE INSTALLED LEVEL AND INCLUDE A LAMP AND PHOTOCCELL. THE LUMINAIRES SHALL BE FREE OF DUST, DIRT OR ANYTHING THAT WOULD IMPAIR THE OUTPUT OF THE LIGHT.



- I. LUMINAIRES FURNISHED WITH MULTI-TAP DRIVERS SHALL BE REWIRED OR RECONNECTED TO MATCH THE VOLTAGE SUPPLIED BY THE ELECTRIC UTILITY COMPANY.
- J. POLE SHALL BE SET PLUMB IN TWO DIRECTIONS, NINETY (90) DEGREES APART.
- K. SURPLUS EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR.
- L. WIRING SHALL BE INSTALLED PER SERVING UTILITY COMPANY STANDARDS. CONDUIT SHALL BE INSTALLED AT THE DEPTH SPECIFIED ON THEIR PLANS.
- M. CONDUIT MUST BE LISTED AND LABELED AND SUITABLE FOR UNDERGROUND USE.
- N. CONNECTIONS SHALL BE PER SERVING UTILITY COMPANY STANDARDS. EACH POLE SHALL HAVE AN 8' X 5/8" COPPER CLAD GROUND ROD DRIVEN BENEATH PULL BOX. A #6 BARE COPPER LEAD FROM THE GROUND ROD IN PULL BOX TO LANDING LUG IN STREET LIGHT POLE HAND HOLE IS REQUIRED.
- O. EXCAVATION FOR PULL BOXES AND MATERIAL SPECIFICATIONS SHALL BE PER SERVING UTILITY COMPANY STANDARDS.
- P. TRENCH SHALL BE INSTALLED PER SERVING UTILITY COMPANY STANDARDS. THE USE OF A COMMON ELECTRIC UTILITY COMPANY TRENCH IS PERMITTED.
- Q. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY COMPANY FOR COORDINATION OF THE TRENCHING AND THE INSTALLATION OF CONDUIT.
- R. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL PROPERTY, LANDSCAPING, PAVING AND DRIVEWAYS THAT ARE DISTURBED DURING STREET LIGHT CONSTRUCTION TO THEIR ORIGINAL CONDITION IN CONFORMANCE WITH MAG SPECIFICATION SECTION 107.9.
- S. IF A FIXTURE SHOULD FAIL, IT SHALL BE IMMEDIATELY REPLACED. THE DEVELOPER SHALL BE RESPONSIBLE FOR FURNISHING ALL PERSONNEL AND EQUIPMENT NECESSARY TO SUCCESSFULLY REPAIR THE FIXTURE.
- T. THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF TWO YEARS FROM THE DATE OF FINAL ACCEPTANCE BY THE CITY, AGAINST IMPERFECT WORKMANSHIP, FAILURE, MALFUNCTION OF MATERIALS, AND/OR EQUIPMENT DUE TO FAULTY OR IMPERFECT WORKMANSHIP.
- U. THIS GUARANTEE IS TO BE IN WRITING TO THE CITY AT THE TIME OF ISSUING FINAL ACCEPTANCE. MATERIALS AND WORKMANSHIP FOUND TO BE DEFECTIVE WITHIN THE WARRANTY PERIOD SHALL BE REPLACED WITHOUT COST TO THE CITY.

#### LED Streetlight Notes

- V. SPECIAL PEDESTRIAN: INSTALL ONE 45W LED (4,100 LUMEN) FIXTURE WITH PHOTOELECTRIC CONTROL ON A 30'-6" POLE WITH A 2' MAST ARM PER ARIZONA PUBLIC SERVICE (APS) DETAIL AND

- SPECIFICATIONS. FOUNDATION AND GROUNDING PER APS STANDARDS AND SPECIFICATIONS. POLE SHALL BE CENTERED 1'-0" BEHIND BACK OF SIDEWALK OR 4' BEHIND CURB. INSTALL (2) #12 THHN/THWN FROM LUMINAIRE TO FUSE HOLDER IN POLE. INSTALL APS PULL BOX ADJACENT POLE WITH 1" FLEX CONDUIT TO POLE PER APS SPECIFICATIONS AND REQUIREMENTS. ALL WIRING, FUSING, AND GROUNDING PER APS DETAILS AND SPECIFICATIONS.
- W. LOCAL: INSTALL ONE 60W LED (5,100 LUMEN) FIXTURE WITH PHOTOELECTRIC CONTROL ON A 30'-6" POLE WITH A 6' MAST ARM PER APS DETAIL AND SPECIFICATIONS. FOUNDATION AND GROUNDING PER ARIZONA PUBLIC SERVICE (APS) STANDARDS AND SPECIFICATIONS. POLE SHALL BE CENTERED 1'-0" BEHIND BACK OF SIDEWALK OR 4' BEHIND BACK OF CURB. INSTALL (2) #12 THHN/THWN FROM LUMINAIRE TO FUSE HOLDER IN POLE. INSTALL APS PULL BOX ADJACENT POLE WITH 1" FLEX CONDUIT TO POLE PER APS SPECIFICATIONS AND REQUIREMENTS. ALL WIRING, FUSING, AND GROUNDING PER APS DETAILS AND SPECIFICATIONS.
- X. COLLECTOR: INSTALL ONE 95W LED (8,200 LUMEN) FIXTURE WITH PHOTOELECTRIC CONTROL ON A 38'-6" POLE WITH A 6' MAST ARM PER APS DETAIL AND SPECIFICATIONS. FOUNDATION AND GROUNDING PER APS STANDARDS AND SPECIFICATIONS. POLE SHALL BE CENTERED 1'-0" BEHIND BACK OF SIDEWALK OR 4' BEHIND BACK OF CURB. INSTALL (2) #12 THHN/THWN FROM LUMINAIRE TO FUSE HOLDER IN POLE. INSTALL APS PULL BOX ADJACENT POLE WITH 1" FLEX CONDUIT TO POLE PER APS SPECIFICATIONS AND REQUIREMENTS. ALL WIRING, FUSING, AND GROUNDING PER APS DETAILS AND SPECIFICATIONS.
- Y. MAJOR: INSTALL ONE 113W LED (10,000 LUMEN) FIXTURE WITH PHOTOELECTRIC CONTROL ON A 38'-6" POLE WITH A 6' MAST ARM PER APS DETAIL AND SPECIFICATIONS. FOUNDATION AND GROUNDING PER APS STANDARDS AND SPECIFICATIONS. POLE SHALL BE CENTERED 1'-0" BEHIND BACK OF SIDEWALK OR 4' BEHIND BACK OF CURB. INSTALL (2) #12 THHN/THWN FROM LUMINAIRE TO FUSE HOLDER IN POLE. INSTALL APS PULL BOX ADJACENT POLE WITH 1" FLEX CONDUIT TO POLE PER APS SPECIFICATIONS AND REQUIREMENTS. ALL WIRING, FUSING, AND GROUNDING PER APS DETAILS AND SPECIFICATIONS.
- Z. SPECIAL MAJOR: INSTALL ONE 257W LED (19,200 LUMEN) FIXTURE WITH PHOTOELECTRIC CONTROL ON A 38'-6" POLE WITH A 6' MAST ARM PER APS DETAIL AND SPECIFICATIONS. FOUNDATION AND GROUNDING PER APS STANDARDS AND SPECIFICATIONS. POLE SHALL BE CENTERED 1'-0" BEHIND BACK OF SIDEWALK OR 4' BEHIND BACK OF CURB. INSTALL (2) #12 THHN/THWN FROM LUMINAIRE TO FUSE HOLDER IN POLE. INSTALL APS PULL BOX ADJACENT POLE WITH 1" FLEX CONDUIT TO POLE PER APS SPECIFICATIONS AND REQUIREMENTS. ALL WIRING, FUSING, AND GROUNDING PER APS DETAILS AND SPECIFICATIONS.

## Arizona Public Service (APS) Notes

- AA. CONTRACTOR SHALL CONTACT APS INSPECTOR IDENTIFIED ON THE APS CONSTRUCTION DRAWING FOR PRE-CONSTRUCTION MEETING PRIOR TO ANY EXCAVATION.
- BB. CONTRACTOR TO SUPPLY ALL TRENCH AND CONDUIT, PER APS REQUIREMENTS, UNLESS OTHERWISE NOTED.
- CC. GRADE STAKE WILL BE SET WITHIN 2' OF J-BOX LOCATION.
- DD. CONTRACTOR WILL COORDINATE WITH APS AND CITY OF GOODYEAR FOR DE-ENERGIZING OF STREETLIGHT CONDUCTOR.
- EE. GROUND ROD TO BE PROVIDED AND INSTALLED BY CONTRACTOR IN APS J-BOX AT EACH STREETLIGHT LOCATION.
- FF. IF THE CONTRACTOR INSTALLS THE POLE, THE BARE #6 COPPER GROUND WIRE SHALL BE CONNECTED FROM THE GROUND ROD IN THE APS J-BOX TO THE GROUND CONNECTION IN THE HAND-HOLE.
- GG. ALL TRENCH AND CONDUIT TO BE INSPECTED BY APS. DO NOT BACKFILL UNTIL INSPECTED.
- HH. APS CONSTRUCTION PRINT MUST BE USED AS A TRENCHING REFERENCE. TRENCHING VARIATIONS MUST HAVE WRITTEN APS CSR APPROVAL. FOLLOW DETAILS FOR CONSTRUCTION. VARIATIONS IN TRENCH ROUTE MAY RESULT IN A REDESIGN FEE.
- II. CONTACT APS FOR ALL TRENCH AND CONDUIT SPECIFICATIONS AND REQUIREMENTS.
- JJ. CONTRACTOR IS RESPONSIBLE FOR INTEGRITY OF ALL CONDUITS UNTIL APS HAS INSTALLED CONDUCTORS.
- KK. CONTRACTOR IS RESPONSIBLE FOR OBTAINING REQUIRED VARIANCES PRIOR TO SUBMITTING CIP DRAWINGS TO THE UTILITIES.
- LL. CONTRACTOR IS RESPONSIBLE FOR VERIFYING VERTICAL AND HORIZONTAL CLEARANCES TO EXISTING OVERHEAD LINES AND POLES WHEN PLACING NEW STREETLIGHTS.