



SPECIAL PROVISIONS

FOR

**Grand View Neighborhood
Grand Drive Phase 1B
Drainage Improvements
100% Special Provisions**

City of Apache Junction Project #
PWC 2018-02-1B
AZTEC Engineering Project #
AZE1441-09

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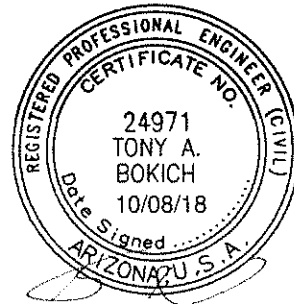


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SCOPE OF WORK

This project is located in the City of Apache Junction, AZ within the Grand View Neighborhood Area. The drainage segment to be improved is:

- Broadway Avenue from approximately 100' west of Grand Drive to the centerline of Grand Drive.

Storm drain segments are to be installed, from west to east are as follows:

- Beginning at the existing dual 54" pipe stub in Broadway Avenue to approximately 100' east of the connection to a manhole and a connection provided to the north. Approximately 150 LF of pipe.

The drainage improvements will also include the following items:

- New storm drain plans for the segments described above.
- New storm drain junction box, manhole, and pipe within Broadway Avenue. The design intent is to be constructed in conjunction with Grand Drive sidewalk Improvements. The drainage improvement are to provide the needed infrastructure to capture the majority of the 10-Yr runoff in Grand Drive and Ocotillo Drive to be constructed in other projects.

The work described in these Special Provisions and shown on the Plans for this project shall be performed in accordance with the approved plans, the latest City of Apache Junction *Engineering Design Guidelines and Policies* (this Chapter), the Apache Junction Standard Details set forth in Vol. II, Appendix 10-D, the *Uniform Standard Details* and *Uniform Standard Specifications* published by the Maricopa Association of Governments (MAG), the Arizona Department of Transportation (ADOT), American Water Works Association (AWWA), American Association of State Highway and Transportation Officials (AASHTO), American Public Works Association (APWA), Arizona Department of Environmental Quality (ADEQ).

In the event a conflict exists on the plans or between the plans and referenced specifications or these special provisions, the order of precedence shall be as follows:

1. Addenda
2. The Construction Special Provisions
3. City of Apache Junction Construction Contract General Conditions
4. The Project Plans
5. City of Apache Junction Engineering Standards
6. Maricopa Association of Governments (MAG) Uniform Standard Specifications for Public Works Construction, latest edition and revisions.
7. Maricopa Association of Government (MAG) Uniform Standard Details for Public Works Construction, latest edition and revisions.
8. City of Phoenix Traffic Barricade Manual
9. Manual on Uniform Traffic Control Devices for Streets and Highways, latest edition.
10. Arizona Department of Transportation Standard Specifications for Road and

Bridge Construction, latest revisions
11. Arizona Department of Transportation Signing and Marking Standard Drawings

The information written into these special provisions will:

1. Describe any special or unusual conditions.
2. Explain details of work not covered in the MAG Specifications and Details or the supplements thereto.
3. Relate certain work to specific bid items or payment quantities.

General construction notes are included in the plan set and shall be representative, unless noted otherwise, to all plan sheets.

Any work outside the bid items is considered incidental. No additional compensation shall be made for work not identified in the bid items.

GENERAL REQUIREMENTS

Construction Staking and As-Built Surveying:

Construction Staking:

The Contractor shall be responsible for construction staking. As a first element of work, the contractor shall verify data and datum for geometric layout and basis of bearings. Any discrepancies shall be immediately brought to the attention of the Engineer prior to start of any construction activities included in these construction documents.

The Contractor shall carefully preserve all construction stakes, reference points and other survey points including City of Apache Junction control points and benchmarks. In the case of their loss or destruction, the Contractor shall replace them under the supervision of a licensed Arizona Land Surveyor. The replacement of all survey monuments will require that the surveyor reinstalls and certifies the new monument. The curb and gutter was designed to minimize removal and replacement of existing asphalt pavement. The contractor shall verify that the formwork for proposed curbs will match the existing roadway slopes (longitudinal and cross) and obtain approval from the City's representative prior to any concrete installation.

As-Built Surveying:

The Contractor will be responsible for the surveying and the recording of as-built field data that is required in Section 10-9 of the City of Apache Junction Engineering Design Guidelines and Policies.

The Contractor shall keep a full size set of drawings on-site and continuously update them to reflect any and all field adjustments, changes, additions and deletions as they occur during the course of constructing the project. All changes to information shown on the original construction drawings shall be made by striking through the original information with a single line. As-built information shall be shown legibly using red

pencil or red ink. All underground utilities shall be referenced to semi-permanent or permanent physical objects. The word "AS-BUILT FIELD DATA" with the as-built date shall appear in the lower right area of each sheet.

The "AS-BUILT FIELD DATA" redlines shall be made available for inspection by the City's representative whenever requested during construction and shall be jointly inspected for accuracy and completeness by the Contractor, the City's representative and the consultant upon request by the City, prior to each monthly pay application.

The Contractor shall deliver a complete and accurate set of preliminary final as-built field data drawings to the City within thirty (30) calendar days of the date of the City's final acceptance of the work completed under this contract. Pending City review, if the City Inspector determines that the preliminary final as-builts contain errors and/or omissions the City Inspector will return the as-built to the Contractor for correction. The contractor shall make corrections and return the corrected as-builts to the City Inspector within 10 working days of receipt.

The City will not release any retention or make final contract payment to the Contractor until the Contractor's as-built drawings have been accepted as accurate and complete by the City.

Payment for construction staking and as-built surveying and field drawings shall be made on a lump sum basis under the item **Construction Staking and As-Built Surveying** in the bid schedule.

Permits:

The Contractor shall be responsible for obtaining and paying for all required City of Apache Junction and other agency permits to complete the work and shall be in accordance with the latest edition of the City of Apache Junction Engineering Design Guidelines and Policies as included on the City of Apache Junction website. No additional payment will be made to the Contractor for obtaining the required permits for this project.

The following list contains some of the permits that will need to be obtained. It is the Contractor's responsibility to apply, pay for and obtain the following permits (this list may not be all-inclusive):

- AZPDES Permit - Approved NOI and NOT
- Traffic Control Plan approval
- PCAQCD Dust Control Permit – Copy of approval
- City of Apache Junction Right of Way Permit
- Hydrant Permit – Construction Water
- Haul Permit

A 100% performance bond or equivalent, acceptable to the City, is required for all work within the City right-of-way. All contractors working within the city right-of-way shall have a current Apache Junction business license, proof of current insurance, and be

subject to applicable tax laws.

Pinal County Air Quality Control District (PCAQCD); *earth moving and dust control*.

PCAQCD regulates development projects that involve earth-moving operations or dust-generation operations that will disturb 0.10 contiguous acres or greater. For additional information please see the website: <http://pinalcountyaz.gov/Departments/AirQuality/pages/home.asp>.

As described in Apache Junction City Code, Vol. I, the developer shall provide Apache Junction's Development Services Department with copies of his, her or its Pinal County Air Quality Control District permit.

A Right of Way permit will be required for all work to be completed within the City of Apache Junction right-of-way. Permit applications forms and associated permit fees can be found on the City of Apache Junction's website.

A permit will be required for hauling materials over City of Apache Junction streets. Haul Permits may be obtained from the City of Apache Junction. In applying for a permit, the contractor shall be required to submit a Haul Plan addressing the following issues:

- Preferred haul routes and alternative
- A detailed plan for traffic control along the haul route
- Method of dust control along the haul route
- Number of trucks and hours of operation
- Anticipated duration of the hauling activities
- Method of cleaning up haul routes (may require street-legal sweeper)

This is not considered as all-inclusive, but is intended to provide a summary of key points considered. The contractor shall be familiar with the requirements of the City of Apache Junction for all permit requirements, fees, and inspections prior to bidding on this construction contract. The Contractor is further advised that the City of Apache Junction retains ultimate authority to approve or not approve a haul permit, impose additional restrictions, curtail hauling at certain times and require the use of specific routes.

Application for haul permits shall be made directly to the City of Apache Junction with a copy of the approved permit delivered to the Engineer prior to commencement of haul operations. Haul Route Permit applications are available on the City website.

Storm Water Pollution Prevention Plan and AZPDES Permit Requirements:

The Contractor is responsible for storm water management and shall follow the Flood Control District of Maricopa County guidelines for Storm Water Pollution Prevention and Best Management Practices as found in the latest revision of Volume 3 of the Drainage Design Manual for Maricopa County, Arizona; "Erosion Control". The City does not review Storm Water Pollution Prevention Plans; however, the Contractor shall become familiar with Maricopa County requirements prior to construction.

Notice of Intent (NOI).

As prescribed by the Arizona Pollutant Discharge Elimination System general permit for discharge from construction activities to the waters of the U.S., any development project in Apache Junction which will disturb 1.0 contiguous acres or greater, shall complete a Notice of Intent (NOI) form. For additional information see the link: <http://www.adeq.state.az.us/environ/water/permits/> or call 602-771-4632.

A copy of the completed NOI shall be provided to Apache Junction's Public Works Department prior to or in conjunction with the issuance of any construction and/or right-of-way permits.

Storm Water Pollution Prevention Plan (SWPPP).

When a construction project disturbs more than 1.0 contiguous acre or greater of land in Apache Junction, a SWPPP will be prepared.

The operator shall amend this plan as necessary during the course of construction to resolve any problem areas which become evident during the construction and/or during rainfalls. All changes to the SWPPP must conform to the *Drainage Design Manual for Maricopa County, Arizona*, Volume III, *Erosion Control*.

The implementation of these plans and the construction, maintenance, replacement, and upgrading of these facilities is the responsibility of the permittee/contractor until all construction is approved and the NOT is submitted to the Engineering Department. The facilities shown on this plan must 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. The facilities must be installed and in operation prior to any grading or land clearing. Wherever possible, maintain natural vegetation for silt control.

A copy of the contractor's NOI and 5 copies of the reviewed and signed SWPPP must be received by the city prior to any grading and drainage permit being issued. All Storm Water Pollution Prevention Plans shall follow the *Drainage Design Manual for Maricopa County, Arizona*, Volume III, *Erosion Control*.

Army Corps of Engineers (Corps).

Section 404 permitting. The developer and associated design professionals are expected to be aware of and comply with the permitting regulations contained in Section 404 of the Clean Water Act. See <http://www.spl.usace.army.mil> (see Regulatory link) or call the Phoenix Project Office of the Corps at 602-640-5385.

This project is subject to the Arizona Pollutant Discharge Elimination System (AZPDES) requirements under the Environmental Protection Agency (EPA) National Pollutant Discharge Elimination System (NPDES) program as administered by the Arizona Department of Environmental Quality (ADEQ). Under the provisions of a permit, the Contractor shall be designated as co-permittee (with the City of Apache Junction), and

shall be responsible for providing necessary materials; taking appropriate measures to ensure removal of at least 80 percent of the additional sediment generated in storm water runoff from the project (relative to pre-project sediment levels); and completing the following documents:

- Storm Water Pollution Prevention Plan (SWPPP) for the project including a certification-of-compliance form
- Notice of Intent (NOI) to be covered under AZPDES including certification of signature

Notice of Termination (NOT) of coverage under AZPDES (upon project completion) All Subcontractors must comply with AZPDES requirements under the supervision of the Contractor, and shall submit a completed, signed subcontractor certification form thereby designating themselves as co-permittees. A copy of the Notice of Intent (NOI) and the SWPPP shall be kept at the project site at all times and any elements of the grading and drainage plan pertinent to or referenced on the SWPPP shall be considered a part of the SWPPP. The permittee shall save all records, including the NOI, SWPPP, NOT, and inspection reports, on file for a minimum of 3 years from the date of filing the NOT.

The Contractor shall submit a completed, signed NOI form (including signed subcontractor certification forms) to ADEQ prior to the Pre-Construction Meeting. The Contractor will submit a copy of the final submittal to the City of Apache Junction Engineering Department.

Failure by the Contractor (or any applicable subcontractors) to submit the NOI form and certification by the time of the Pre-Construction meeting or to promptly make revisions to those forms as requested by the ADEQ could lead to a delay in the start of construction. The Contractor will not be entitled to any additional compensation for costs resulting from such delay.

The NOI shall be posted at the construction site along with the SWPPP. No construction activities shall begin until all applicable storm water pollution control devices are in place.

Any additional work caused by the Contractor's (or subcontractor's) failure to properly implement the SWPPP will not be compensated. In addition, the Contractor shall keep a copy of the STORM WATER CONSTRUCTION GENERAL PERMIT COVERAGENOTICE received from ADEQ (after submittal of the NOI) at the job site at all times.

All SWPPP reports required under this contract shall be available to the public in accordance with requirements of the Clean Water Act—Section 308(b). The Contractor shall make plans available to the public upon a request from either the EPA or ADEQ. No conditions of the AZPDES or the SWPPP shall release the Contractor from any responsibilities or requirements under other environmental statutes or regulations. Asphalt plant and concrete plants (including module plants) require

separate AZPDES industrial permits.

Upon completion and acceptance of the work performed by a co-permittee, either the Contractor or other subcontractors shall absolve such subcontractor of any involvement in, or responsibility for, subsequent AZPDES violations on the project. Upon total project completion, acceptance and de-mobilization, the Contractor shall submit a completed, signed NOT form to the EPA, ADEQ and the City, thereby terminating all AZPDES permit coverage for the project.

The Contractor shall perform, at a minimum, a visual inspection of the construction site once every seven days and within 24 hours of rainfall greater than or equal to a half (1/2) inch. The Contractor shall prepare a report documenting his findings on the conditions of the SWPPP controls and note any erosion problem areas. The Contractor's report is to be submitted to the Engineering Inspector for review and approval and shall be maintained on site by the Contractor. Facilities shall be maintained as necessary to ensure their continued functioning. In addition, all temporary siltation controls 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 as determined by the Engineer.

Payment will be made on a Lump Sum basis under the item **SWPPP** in the bid schedule.

Storm Water Pollution Prevention – Best Management Practices:

Implementation of "Best Management Practices" (BMP's) to reduce storm water pollution shall be undertaken by the Contractor on a multi-tiered, most cost-effective approach. The Contractor shall utilize the lowest-cost acceptable BMP available to address each type of potential storm water pollution situation encountered on the project. Should this prove ineffective in resolving a storm water pollution problem, additional, higher-cost BMP's may need to be practiced upon approval by the City.

Verification of Existing Features:

The locations and dimensions of existing roadway features shown on the plans are based on as-built plans, aerial photographs and field surveys. It shall be the contractor's responsibility to field-verify the information given on the plans wherever that information affects the new work. Significant differences between the measured and plan information shall be submitted to the Engineer prior to proceeding with the work. Minor adjustments to curb staking, and other elements, to the extent they are required to match existing construction and do not affect disposition of other project features, will not require review or approval by the Engineer.

Access:

The Contractor will be responsible to maintain business, resident and emergency access at all times.

Traffic Control Devices:

General: Conform to MAG Section 401, latest edition of City of Phoenix Traffic Barricade Manual, and the Manual of Uniform Traffic Control Devices, except as modified herein.

This bid item is for all barricades, temporary concrete barriers, signs, lights, variable message boards, and flagmen needed to keep traffic moving through the work site. All traffic control signing, haul routes and barricading plans will be submitted to City of Apache Junction's Traffic Department for approval prior to starting the work and all contractor changes to the plans will be approved before being made.

Any impacts made to existing striping with the new construction items shall be replaced per the City's direction with no additional measurement or payment made of this item.

Payment for traffic control will be made on a Lump Sum basis under the item **Traffic Control** in the bid schedule.

Material Testing:

The contractor will be responsible for all quality control testing of materials and shall provide results of testing to the City representative. Measurement and payment will be made on a lump sum basis under the item **Materials Testing** in the bid schedule.

Mobilization:

Measurement and payment for mobilization / demobilization shall occur in accordance with MAG Standard Specifications, Section 109.10. Payment will be made on a lump sum basis under the item **Mobilization** in the bid schedule.

Coordination with Utilities:

The Contractor shall perform all requirements as prescribed in ARS 40-360.21 through 32. At least two working days prior but no more than 15 working days prior to commencing excavation, the contractor shall contact ARIZONA 811, between the hours of 6:00 a.m. and 5:00 p.m., Monday through Friday, excluding holidays, for information relative to the location of buried utilities. The contractor can call 811 from anywhere in Arizona. Contractors can also create and manage utility locate tickets online by using the Arizona 811 E-Stake tool at www.Arizona811.com.

The location of the underground and overhead utilities as shown on the Plans is based on the best available information obtained from utility companies, city provided information, and supplemented by surveying. The Contractor shall not assume that this represents an exact location of the line. No guarantee is made to the accuracy of the location shown on the Plans. The Contractor shall determine for himself the exact location of all utilities.

The Contractor is responsible for maintaining and supporting all utilities. All utilities located shall be protected to the satisfaction of the Utility Owner. Any damage to

the existing utilities within the construction area shall be repaired by the Contractor to the satisfaction of the Utility Owner at no additional cost to the City or Utility Owner.

The known utility contacts for the area are as follows.

Utility Company	Contact	Phone
Apache Junction Water	Mike Loggins	(480) 797-3405
Salt River Project	Tomas Cardenas	(602) 236-6101
Centurylink	Brett Beatty	(480) 239-3257
Mediacom Arizona LLC	Craig Eggert	(563) 419-5160
Southwest Gas	Zach Stevenson	(480) 730-3855
Superstition Mountains Community Facilities District No. 1	Darron Anglin	(480) 941-6760
Arizona Water Co	Joe Whelan	(602) 240-6878

Southwest Gas Specifications

Please be aware that there may be abandoned steel gas lines within your project limits that are potentially coated or wrapped with unidentified materials. Southwest Gas treats all its steel gas pipe with unidentified coating/wrapping materials as potentially containing asbestos. Accordingly, whenever such pipe is in direct conflict and requires removal, it must only be done so by one of Southwest Gas' NESHAP certified contractors. Care must also be taken when working near and exposing these lines. The costs associated with such removal will be the responsibility of the developer. Please contact Southwest Gas in advance to coordinate any removal.

For actual up to date utility locations, call Arizona Blue Stake 1-800-782-5348. Minimum cover over mains is 24 inches although 36 inches is desirable. Any underground facility installed must have at least 12 inches face to face clearance at the point of crossing.

In addition, the Southwest Gas system has pipeline valves, line locating stations, test points and underground vaults each with protective valve box lids and vault manhole covers. These are designed to be flush with the existing ground. Under U.S. Dept. of Transportation's Pipeline Safety Regulations and Southwest Gas operating procedures, these facilities are required to be accessible always.

Southwest Gas will paint yellow all protective valve box lids and vault manhole covers. It will be the responsibility of the public agency's contractor to make sure these are protected during construction. The public agency's contractor will be responsible for adjustments to all valve box lids and vault manhole covers due to grading and paving per MAG Details 391 .1 and 391.2. Contact Southwest Gas Construction at Tempe Operations 480-730-3670 for coordinating work and inspections. For emergencies, please call 1-800-528-4277.

Please note that only Southwest Gas Corporation personnel can adjust high pressure valve boxes due to high pressure sense lines and lubricating lines within the valve box enclosure. The costs associated with such adjustments will be the responsibility of the developer.

Once mechanical trenching is in progress, do not attempt to trench within two feet of a gas pipe. This trenching shall be done by hand to prevent any damage to the gas pipe. In the event your contractor should "hook" or otherwise strain a gas pipe while excavating, a call should be placed immediately to 1-800-528-4277 or 911.

Even though there may not be any apparent damage, the strain may have damaged the wrap or a portion of the buried pipe or fittings at other locations causing a leak in the surrounding area. If a steel facility is exposed and the pipe coating is found to need repair, please contact 602-271-4277 so a crew can be dispatched to rewrap the pipe. This is a service provided by Southwest Gas at no cost to the contractor so that we can monitor our steel facilities and minimize the possibility of corrosion.

When the excavations are complete, all exposed gas pipes shall be protected. If left unattended, the exposed pipe shall be surrounded with at least 6 inches below and 6 inches above with Portland cement concrete fine aggregate sand. If the trench is more than 3 feet wide, the pipe must be supported in a manner where the supporting material does not damage the pipe or the protective pipe coating. Please contact SWG Engineering at 480-730-3855 to review and approve all proposed pipe support designs.

When backfilling, Southwest Gas requires both six inches of bedding and six inches of shading with sand or material free of rocks and able to pass through a 3/8-inch screen. This will provide a firm support around the facility and prevent damage to the pipe or pipe coating from the backfilling operation. Do not drop backfill directly over the gas pipe. During the compaction process, use extra care when directly over the gas pipe to avoid any damage.

In regards to scheduling, special fittings and material used to tap into our high-pressure gas pipelines require up to 6 months ordering time. Some of the high-pressure gas pipelines cannot be taken out of service during the winter heating season from October 15 thru March 15. Also, our current construction schedule requires a twelve (12) week notice.

TECHNICAL SPECIFICATIONS

Any work outside of the bid items is considered incidental. No additional compensation shall be made for work not identified in the bid items.

ITEM 6–SUBGRADE PREPARATION

This item includes all labor, materials, tools and equipment required for subgrade preparation per MAG Section 301. Payment for subgrade preparation will be made in accordance with the unit price as set forth in the proposal.

ITEM 7 – ASPHALT CONCRETE SURFACE COURSE (2.5" of A-19)

Construction, measurement and payment shall occur in accordance with MAG Section 321 and shall conform to the latest version of the East Valley Asphalt Criteria and be approved by the EVA committee. Payment will be made in accordance with the unit price as set forth in the proposal.

ITEM 8 – ASPHALT CONCRETE BASE COURSE (3" of A-19)

Construction, measurement and payment shall occur in accordance with MAG Section 321 and shall conform to the latest version of the East Valley Asphalt Criteria and be approved by the EVA committee. Payment will be made in accordance with the unit price as set forth in the proposal.

ITEM 9 - TACK COAT

Construction, measurement and payment shall occur in accordance with MAG Section 329. Payment will be made in accordance with the unit price as set forth in the proposal.

ITEM 10 – AGGREGATE BASE COURSE (12")

Construction, measurement and payment shall occur in accordance with MAG Section 310 and 702. Base course shall be compacted in minimum of two lifts. Payment will be made in accordance with the unit price as set forth in the proposal.

ITEM 11-14 – RUBBER GASKET REINFORCED CONCRETE PIPE

This item includes all labor, materials, tools and equipment required to construct Reinforced Concrete Pipe and fabricated wyes and tees for Storm Drain Construction to the line and grade as shown on the plans. Construction, measurement and payment shall occur in accordance with MAG Sections 618 & 735. Payment will be made in accordance with the unit price as set forth in the proposal.

ITEM 15 – SHALLOW TYPE STORM DRAIN MANHOLE, MAG STD. DET 520 & 522 W/ 4' DIAMETER SHAFT

This item includes all labor, materials, tools and equipment required to construct a Shallow Type Storm Drain Manhole and grade as shown on plans. Construction, measurement and payment shall occur in accordance with MAG Sections 505 & 735. Payment will be made in accordance with the unit price as set forth in the proposal.

ITEM 16 – REMOVE 54" PIPE PLUG

This item includes all labor, materials, tools and equipment required to remove and dispose of the existing pipe plug to an offsite location and in accordance with all federal, state and local laws. Payment will be made in accordance with the unit price as set forth in the proposal.

ITEM 17 – 42" PIPE PLUG PER MAG STD. DET 427

This item includes all labor, materials, tools and equipment required to construct a 42" Pipe Plug per Mag Standard Details such that it provides a water tight seal. Construction, measurement and payment shall occur in accordance with MAG Standard Detail 427 and MAG Section 511. Payment will be made in accordance with the unit price as set forth in the proposal.

ITEM 18 – 60" PIPE PLUG PER MAG STD. DET 427

This item includes all labor, materials, tools and equipment required to construct a 60" Pipe Plug per Mag Standard Details such that it provides a water tight seal. Construction, measurement and payment shall occur in accordance with MAG Standard Detail 427 and MAG Section 511. Payment will be made in accordance with the unit price as set forth in the proposal.

ITEM 19– CONSTRUCT CONCRETE STORM DRAIN JUNCTION STRUCTURE

This item includes all labor, materials, tools and equipment required to construct and place the storm drain junction structure as shown in the project details. Construction, materials, measurement and payment shall occur in accordance with MAG Section 505. Payment will be made in accordance with the unit price as set forth in the proposal. The removal of the pipe plugs for the two existing 54-inch cast-in-place-concrete pipes shall be incidental to the cost of the concrete junction structure. No separate payment shall be made for the pipe plug removals.

ITEM 20 – SEWERLINE ENCASEMENT PER MAG STD. DTL. 404-3

This item includes all labor, materials, tools and equipment required to verify the location and provide encasement protection of the existing 8" sewer line in Broadway Avenue for the limits shown on the plans. Construction, measurement and payment shall occur in accordance with MAG Standard Detail 404-3 and MAG Section 725. This work will be completed by the contractor.

ITEM 21 – DRY UTILITY RELOCATION, MULTIPLE UTILITIES (BY OTHERS)

This item includes all labor, materials, tools and equipment required to locate and field verify all existing dry utilities that cross the proposed storm drain and relocate as to have 1 foot vertical clearance from the proposed storm drain. Removal shall occur in accordance with MAG Section 350. This work will be completed and paid for by the impacted utility entity.

ITEM 22 – WATERLINE REALIGNMENT, 12” PER MAG STD. DET 370 (BY OTHERS)

This item includes all labor, materials, tools and equipment required to vertically realign the existing waterline below the proposed storm drain. Construction, measurement and payment shall occur in accordance with MAG Standard Detail 370. This work will be completed and paid for by Apache Junction Water.

- END SPECIAL PROVISIONS -