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PROPOSAL PAMPHLET & SPECIAL PROVISIONS
FOR
GRADING, DRAINAGE AND PAVING
ON
115 AVENUE FROM SOUTHERN AVENUE
TO U.S. 80 W.O. #15900

A901.502

MARICOPA COUNTY HIGHWAY DEPARTMENT
3325 WEST DURANGO STREET
PHOENIX, ARIZONA

ENGINEERING DIVISION LIBRARY

PROPOSAL PAMPHLET & SPECIAL PROVISIONS
FOR
GRADING, DRAINAGE AND PAVING
ON
115 AVENUE FROM SOUTHERN AVENUE
TO U.S. 80 W.O. #15900



SUPPLEMENTARY TO MARICOPA ASSOCIATION OF GOVERNMENTS UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, EDITION OF JULY 1, 1974, & REVISIONS THERETO.

MARICOPA COUNTY
INVITATION TO BID
GRADING DRAINAGE AND PAVING ON
115 AVENUE FROM SOUTHERN AVENUE TO U.S. 80
WORK ORDER NO. 15900

BID OPENING: February 26, 1976

PROPOSED WORK: The proposed work consists of grading, draining, aggregate base, asphalt concrete pavement, pipe, and other miscellaneous items of work required for the completion of the project.

LOCATION OF WORK: The proposed work is located on 115 Avenue from Southern Avenue to U.S. 80.

SEALED BIDS: Sealed Bids for the proposed work will be received by the Clerk of the Board of Supervisors of Maricopa County, 111 South 3 Avenue, Phoenix, Arizona until 10:00 a.m. (Phoenix time) on the above date, and then publicly opened and read at the meeting room of the aforesaid Board. No bids will be received after the time specified for bid opening. All bids must be submitted on proposal forms furnished by the Board of Supervisors. The Board of Supervisors reserves the right to reject any and all bids and to waive any informality in any bid received.

ELIGIBILITY OF CONTRACTORS: No Contractor shall be eligible to submit a bid until duly licensed as a Contractor in the State of Arizona for performing the before-mentioned type of work.

PRINCIPAL ITEMS AND APPROXIMATE QUANTITIES

| <u>QUANTITY</u> | <u>UNIT</u> | <u>DESCRIPTION</u> |
|-----------------|-------------|---|
| 5,200 | M. Gal | Watering |
| 3.0246 | Mile | Subgrade Preparation |
| 34,200 | Ton | Select Material |
| 16,100 | Ton | Aggregate Base |
| 190 | Ton | Bituminous Prime Coat |
| 10,200 | Ton | Asphalt Concrete |
| 9,200 | Gal. | Preservative Seal for Asphalt Concrete |
| 13 | Each | Catch Basins |
| 848 | L.F. | Concrete Pipe (Various Sizes) |
| 1,270 | L.F. | Concrete Lined Irrigation Ditch (various sizes) |

And such other pertinent items as are necessary for the completion of the project as shown on the plans or as called for in the Special Provisions.

CONTRACT TIME: The Contractor shall complete all work on the project within One Hundred Twenty (120) calendar days after date of notice to proceed.

CONTRACT PLANS SPECIAL PROVISIONS & CONTRACT DOCUMENTS: Plans, Special Provisions, Proposal, Bidding Schedule, Contract Agreement and Performance Bond may be obtained from the Maricopa County Highway Department, 3325 West Durango Street, Phoenix, Arizona, upon payment of \$5.00 by check payable to the TREASURER OF MARICOPA COUNTY. This payment will not be refunded. Each bid must be accompanied by a bond or certified check in the amount of 5% of the bid, made payable to the TREASURER OF MARICOPA COUNTY as a guarantee that if the work is awarded to the bidder, he will within ten (10) days from the date of such award, enter into proper contract and bond condition for the faithful performance of the work, otherwise, said amount will be forfeited to the said Board of Supervisors as liquidated damages.

PREVAILING WAGE SCALE: All labor employed on this work shall be paid for at rates not less than the prevailing rates of wages certified by the Industrial Commission of Arizona for public works contracts in excess of \$1,000. A list of the prevailing wage rates is on file in the office of the Maricopa County Highway Department and with the Clerk of the Board of Supervisors which may be inspected at any time during regular working hours or it may be obtained from the office of the Industrial Commission of Arizona.

ALL BIDS ARE TO BE MARKED IN ACCORDANCE WITH SECTION 102.9 OF THE UNIFORM STANDARD SPECIFICATIONS.

RHEA WOODALL, CLERK
BOARD OF SUPERVISORS
MARICOPA COUNTY

CONSTRUCTION SPECIAL PROVISIONS
MARICOPA COUNTY PROJECT
115 AVENUE FROM SOUTHERN AVENUE
TO U.S. 80 W.O.#15900

LOCATION OF WORK: This project is located on 115 Avenue from Southern Avenue to U.S. 80.

PROPOSED WORK: The work consists of grading, draining, aggregate base, asphalt concrete pavement, pipe, and other miscellaneous items, required for the completion of the project as shown on the plans and as called for in these Special Provisions or as directed by the Engineer.

SPECIFICATIONS: The work embraced herein and as shown on the plans for the construction of this project shall be done in accordance with the latest Maricopa Association of Governments Uniform Standard Specifications for Public Works Construction together with the Maricopa County Highway Department Supplement to the Uniform Standard Specifications and the Construction Special Provisions contained herein.

PREVAILING WAGE SCALE: All labor employed on the work shall be paid for at rates not less than the prevailing rates of wages certified by the Industrial Commission of Arizona for public works contracts in excess of \$1,000. A list of prevailing wage rates is on file in the office of the Maricopa County Highway Department and with the Clerk of the Board of Supervisors, and may be inspected at any time during regular working hours, or it may be secured from the office of the Industrial Commission of Arizona.

CONTRACT TIME: The Contractor shall complete all work on the project within One Hundred Twenty (120) calendar days after the date of notice to proceed.

PROGRESS SCHEDULE: The Contractor shall submit his proposed work progress schedule to the Engineer for approval before starting the work.

ITEM COMMENTS: The herein contained Construction Special Provisions supplement Uniform Standard Specifications, however, in the case of conflict, these Special Provisions supersede the Standard Specifications.

MATERIAL SOURCES: Select Material, Aggregate Base and Mineral Aggregate may be obtained from County Pit No. 401. Pit No. 401 is located at the northeast corner of Baseline Road and 123 Avenue intersection, more commonly described as southwest quarter of the southwest quarter (SW $\frac{1}{4}$, SW $\frac{1}{4}$) of Section 36, Township One North (T1N), Range One West (R1W) of the Gila and Salt River Base and Meridian. (See attached drawing.) The pit shall be excavated to conform to the alignment, grade and cross-section as established by the Engineer.

The material consists of sand, gravel and small boulders. It is expected that little stripping will be required. The pit is controlled by Maricopa County. Any royalty charges for material removed from this pit for this project will be paid by the County.

CONSTRUCTION SPECIAL PROVISIONS

OTHER SOURCES: Select Material, Aggregate Base and Mineral Aggregate may be obtained from commercial sources. However, if the Contractor elects to secure material from other sources, he shall pay all royalties or any other charges or expenses incurred in connection with securing and hauling the material. The Contractor will be required to furnish the Engineer with a list of his proposed commercial sources prior to use and shall present satisfactory evidence that the material produced from these sources will meet Maricopa County Standard Specifications and these Special Provisions for such material.

SECTION 105.6-COOPERATION WITH UTILITIES: The Contractor shall comply with the requirements of the ARS 40-360.21 through 40-360.29 in notification to the interested utility owners prior to the start of construction and shall ascertain the approximate locations of the various underground utilities shown on the plans, and as may be brought to his attention. The exact location of these underground utilities shall be determined by excavations made by the Contractor prior to any trenching operations.

When the Contractor's operations result in damage to any utility, the location of which has been brought to his attention, he shall assume full responsibility for such damage.

The following phone numbers as indicated should put the Contractor in contact with the proper personnel:

Mountain Bell Telephone Company----Blue Stakes-----263-1100
Salt River Project-----Blue Stakes-----263-1100
Arizona Public Service-----Blue Stakes-----263-1100
St. John's Irrigation District-----932-3192

SECTION 201 - CLEARING AND GRUBBING: Clearing and grubbing shall conform to Section 201 of the Uniform Standard Specifications and Maricopa County Highway Department supplements to the Uniform Standard Specifications.

SECTION 206 - STRUCTURE EXCAVATION AND BACKFILL: Structural excavation and backfill shall conform to Section 206 of the Uniform Standard Specifications and Maricopa County Highway Department supplement to the Uniform Standard Specifications.

SECTION 225 - WATERING: The work under this item shall fully comply with Section 225 of the Uniform Standard Specifications and Maricopa County Highway Department supplement to the Uniform Standard Specifications.

SECTION 301 - SUBGRADE PREPARATION: The work under this item shall consist of shaping the roadway subgrades to the grades and cross section as shown on the plans and in accordance with Section 301 of the Uniform Standard Specifications and Maricopa County Highway Department supplement to the Uniform Standard Specifications.

CONSTRUCTION SPECIAL PROVISIONS

WORK ORDER NO. 15900

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The work under this item shall also consist of completion of backfill and compaction of an existing irrigation ditch partially filled by the Salt River Valley Water User's Association. The ditch is located 20'+ east of the existing roadway from approximately Station 64+50+ to Station 152+. Density tests indicate that the existing material in or around the ditch is suitable and does not require further compaction. A copy of density report and typical cross sections on the existing ditch are available to the Contractor to aid him in preparing his bid.

Subgrade Preparation shall also include the preparation of subgrades to the required line and grades for the cross road and for those locations where aggregate base courses are to be used for driveway turnouts in accordance with the plans or as directed by the Engineer. The cost of furnishing and placing the Select Material and Aggregate Base Materials will be paid for as specified under ITEM NO. 310 - UNTREATED BASE.

Direct payment will not be made for excavation, drainage excavation, structural excavation, embankment, waste, haul, overhaul, clearing, rolling or for the disposal of waste materials, except as hereinafter noted.

Any disposal area selected by the Contractor shall be approved by the Engineer prior to its use as such. Disposal of waste in approved areas shall be made in such a manner that natural drainage will not be blocked or diverted unless so directed by the Engineer.

SECTION NO. 310 - UNTREATED BASE: The work under this item shall consist of furnishing and placing select material and aggregate base material in accordance with the following specifications:

Select Material and Aggregate Base shall conform to the requirements of Section 702 of the Uniform Standard Specifications. Select Material and Aggregate Base shall be crushed in accordance with Section 702.2.

If the materials come from a commercial source, the Contractor will be required to furnish the Engineer certified weight tickets covering all of the Select Material and Aggregate Base placed on the project. Final pay quantities will be based upon the scale tickets accepted by the Engineer. If the materials come from the specified pit, the County will furnish the scale man for this pit only.

Payment of this item will be made at the unit price bid per ton for ITEM NO. 310.4-1 SELECT MATERIAL OR ITEM NO. 310.4-2 AGGREGATE BASE, as the case may be, which price shall be full compensation for the item, complete in place, including all necessary labor, material and equipment for placing and compacting.

SECTION 315 - BITUMINOUS PRIME COAT: The work under this item shall fully comply with Section 315 of the Uniform Standard Specifications. The Engineer shall determine whether prime coat will be used.

The bituminous material shall be grade MC-250 or MC-800 liquid asphalt depending on weather conditions and surface density, and shall fully comply with Section 712 of the Uniform Standard Specifications. Prime coat shall be applied at the rate of 0.4 gallon per square yard unless otherwise specified by the Engineer.

CONSTRUCTION SPECIAL PROVISIONS

Bituminous prime coat is a contingent item and if used will be paid for at the rate of One hundred and five dollars (\$105.00) per ton for ITEM NO. 315 - BITUMINOUS PRIME COAT, which price shall be full compensation for the item, complete in place, including all necessary labor, material and equipment.

SECTION 321 - ASPHALT CEMENT CONCRETE: The work under this item shall consist of furnishing and placing a plant mixed asphalt concrete road surfacing material to a compacted thickness of two inches (2") on aggregate base and shall fully comply with Section 321 of the Uniform Standard Specifications except that no mineral filler or blending sand will be required.

The bituminous material to be used shall be AR-4000 Paving Asphalt and shall fully comply with Section 711 of the Uniform Standard Specifications.

The mineral aggregate shall meet the grading requirements within the range of the specified tolerances for Mix Designation C-3/4 in accordance with Section 710 of the Uniform Standard Specifications and Maricopa County Highway Department supplement to the Uniform Standard Specifications.

Payment for this item will be made at the contract unit price bid per ton for ITEM NO. 321-C-3/4, ASPHALT CONCRETE, which price shall be full compensation for the item, complete in place, including all necessary labor, material and equipment, for placing and compacting.

SECTION 334 - PRESERVATIVE SEAL FOR ASPHALTIC CONCRETE: The work under this item shall fully comply with Section 334 of the Uniform Standard Specifications and Maricopa County Highway Department Supplement to the Uniform Standard Specifications.

The material used shall comply with Section 718 of the Uniform Standard Specifications. Preservative Seal shall be applied at the rate of 0.08 gallon of diluted mixture per square yard.

Payment for this item will be made at the contract unit price bid per gallon for ITEM NO. 334 - PRESERVATIVE SEAL FOR ASPHALT CONCRETE, which price shall be full compensation for the item, complete in place, including all necessary labor, material and equipment.

SECTION 340 - CONCRETE CURB AND GUTTER: The work under this item shall consist of constructing concrete curb and gutters as shown on the plans and as called for in the bidding schedule.

All work shall comply with the applicable requirements of Section 340 of the Uniform Standard Specifications and Maricopa County Highway Department Supplement to the Uniform Standard Specifications.

All concrete shall be Class "B" and shall conform to Section 725 of the Uniform Standard Specifications and Maricopa County Highway Department Supplement to the Uniform Standard Specifications.

Payment will be made at the contract unit price bid per lineal foot for ITEM NO. 340, Combined Curb and Gutter, D.O.T. STD. C-5.01, Type "A", h=7" which price shall be full compensation for the items, complete in place, including all necessary labor, material and equipment.

SECTION 345 - ADJUSTING FRAMES, COVERS AND VALVE BOXES, WATER METER BOXES: Any utilities interfering with the construction of this project shall be adjusted or relocated by the utility owner.

Section 345 is not a pay item, any adjustment or relocation of any utility work necessary for the accommodation of this project shall be paid for by the utility owner. The Contractor shall make all arrangements that may be necessary for the construction and any financial agreement shall be solely between the Contractor and the utility owner.

SECTION 350 - REMOVAL OF EXISTING IMPROVEMENTS: The work under this item shall consist of the removal of any obstacle to construction, whether shown on the plans or not, unless specifically called out on the plans to be removed or relocated by other agencies and shall be accomplished in accordance with Section 350 of the Uniform Standard Specifications and Maricopa County Highway Department Supplement to the Uniform Standard Specifications.

Arrangements for disposal of all waste material shall be the responsibility of the Contractor, except that all usable pipe culvert removed shall be stockpiled within the right of way for salvage by the County.

Payment for this item will be made at the contract lump sum price bid for ITEM NO. 350 REMOVAL OF EXISTING IMPROVEMENTS, which price shall be full compensation for the item complete, as herein described and specified.

SECTION 401 - TRAFFIC CONTROL:

Traffic control shall conform to the applicable Section 401 of the Uniform Standard Specifications and the Maricopa County Highway Department Supplement to the Uniform Standard Specifications.

Normal and emergency access shall be maintained at all times on Roeser Road, Chamber Street and Sunland Avenue, as 115 Avenue is the only access to Del Oeste Subdivision. The Contractor shall coordinate with school officials to maintain bus routes and parking at Littleton Elementary School.

SECTION 402 - ELECTRICAL CONDUIT: The work under this item shall consist of furnishing and installing underground P.V.C. conduit of the size indicated and at the locations shown on the plans or as directed by the Engineer.

The rigid P.V.C. Conduit shall be schedule 40, type 2, manufactured of high impact P.V.C. and shall conform to the Commercial Standards No. CS-207-60.

Each run of conduit shall be installed with a continuous run of one No. 8 A.W.G. bare copper wire to be used as a pull wire. The wire shall be at least two (2) feet longer than the run of conduit. Each run of the wire shall be spring coiled and inserted into the conduit so as to be recoverable at a later date. Each end of the conduit shall be capped with P.V.C. caps and shall terminate within a pull box. The conduit shall have a minimum cover of 18 inches.

Payment for this item will be made at the contract unit price bid per lineal foot for Item No. 402 - 2½" P.V.C. ELECTRICAL CONDUIT, which price shall be full compensation for the item, complete in place, including all labor, material and equipment.

SECTION 403 - PULL BOXES: The work under this item shall consist of furnishing all labor, material and equipment necessary to install concrete pull boxes and covers at the locations shown on the plans.

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Payment for this item will be made at the contract unit price bid per each for ITEM NO. 403-NO. 5 PULL BOX, D.O.T. STANDARD T.S. 1-2, which price shall be full compensation for the item, complete in place, including cover, bolts, nuts and washers, steel grid frames, excavation, backfill and compaction.

SECTION 405 - MONUMENT: The work under this section shall consist of furnishing and installing survey monuments of the type as shown on the plans.

All work shall conform to Section 405 of the Uniform Standard Specifications and Maricopa County Highway Department Standard C-101.

Payment for this item will be made at the contract unit price bid per each for ITEM NO. 405-1, SURVEY MONUMENT, MCHD STD. C-101, TYPE "A", or for ITEM NO. 405-2 SURVEY MONUMENT, TYPE "B" MCHD STD. C-101, which price shall be full compensation for the item, complete in place, including all necessary labor, material and equipment.

SECTION 505 - CONCRETE STRUCTURES: The work under this item shall consist of constructing catch basins of the types and at locations shown on the plans and in accordance with Maricopa County Highway Department Standards C-125.

This item also shall consist of constructing two irrigation structures of the types and at locations as shown on the plans and details.

The work shall fully comply with Section 505 of the Uniform Standard Specifications. Payment for this item will be made at the contract unit price bid per each for ITEM NO. 505.10-1, CATCH BASIN, DOUBLE GRATE, M.C.H.D. STD. C-125, or for ITEM NO. 505.10-2, IRRIGATION STRUCTURE, as the case may be, which price shall be full compensation for the items, complete in place, including all necessary labor, material and equipment.

SECTION 622 - REINFORCED CONCRETE PIPE: The work under this item shall consist of furnishing and placing reinforced concrete pipe of the size, type and at the locations as called for on the plans.

All reinforced concrete pipe shall conform to Section 735 of the Uniform Standard Specifications.

At Sta. 25+74 and at Sta. 51+98 the outlet of the 12" R.G.R.C. pipe shall be plastered as shown on the plans. This work will not be paid for separately, but shall be incidental to the cost of the pipe.

Payment for this item will be made at the contract unit price bid per lineal foot for the size as called for in the bidding schedule, which price shall be full compensation for the item, complete in place, including all necessary labor, material and equipment.

SECTION 623 - HEADWALL: The work under this item shall consist of furnishing the required materials to construct headwalls of the type and at the locations as shown on the plans and in accordance with MCHD Standard C-128.

Concrete block, mortar, grout and plaster shall fully conform to Section 775 of the Uniform Standard Specifications.

CONSTRUCTION SPECIAL PROVISIONS

Steel reinforcement shall conform to Section 727 of the Uniform Standard Specifications.

Payment for this item will be made at the contract unit price bid per square foot of front face less pipe opening, for ITEM NO. 623 - HEADWALL, MCHD STANDARD C-128, which price shall be full compensation for the item, complete in place, including all necessary labor, material and equipment.

SECTION 635 - CONCRETE LINED IRRIGATION DITCH:

This item shall consist of furnishing all material, labor and equipment necessary to construct various type of cast-in-place concrete lined irrigation ditch to the cross-section, lines, grades and locations as shown on the plans and details.

In preparation of the area for the location of the concrete lined ditch and prior to the excavation for the ditch, all earth fills, embankments and natural earth shall be constructed to the cross-section and grade shown on the plans or as directed by the Engineer.

The earth material for the construction of the ditch site, if approved by the Engineer, is to be obtained adjacent to the site and shall be placed in layers not to exceed six inches (6") in depth after compacted to the required density. The natural earth found in place or any imported embankment material shall be compacted at optimum moisture content and the compaction shall be accomplished by mechanical method that will secure the required density of 85 percent of the maximum density for the material. The maximum density for the material shall be determined on the basis of laboratory compaction tests made in accordance with AASHTO Designation T-99, Method A and T-191 or ASTM D-2992 and D-3017 with the percent of density adjusted in accordance with the rock correction procedure for maximum density determination, standard detail, to compensate for the rock content larger than that which will pass a No. 4 sieve.

The depth of the compaction required will be to twelve inches (12") below the flow line grade of the completed ditch lining.

The area adjacent to the proposed ditch from which material was borrowed for the construction of the embankment shall be graded and left in a smooth condition satisfactory to the Engineer.

After construction and compaction of all the necessary embankments, the irrigation ditch section shall be excavated to the subgrade elevation and cross-section as shown on the plans to allow for placing of the concrete ditch lining. The surface against which the lining is to be placed shall be compacted and accurately finished to the grades and dimensions shown on the plans. Excess material removed in excavation of the ditch shall be used to strengthen the embankment on either side of the ditch or for backfill of existing ditches as directed by the Engineer.

CONSTRUCTION SPECIAL PROVISIONS

The irrigation ditch lining shall consist of unreinforced concrete placed to the thickness as specified on the plans. The finished surface of the concrete shall be free from rock pockets or surface voids and shall be comparable to the finish obtained by use of a long handled steel trowel.

Concrete shall be mixed in such proportions that the 28-day strength has a minimum of 2,000 psi with cement content of not less than 4.5 sacks per cubic yard of concrete. Cement for concrete shall be Type II, low alkali, in accordance with Federal Specification SS-C-192. The slump of the concrete shall not exceed 4 inches. The Contractor shall use an air entraining agent in the concrete, which shall be one of those permitted under ASTM Designation C-175 and approved by USBR for use in air entrained concrete. The amount of air entraining agent used shall be such as will effect the entrainment of from 4% to 6% of air, by volume, of the concrete at the job site.

The water used in concrete shall be free from objectionable quantities of silt, organic matter, alkali, salts and other impurities. The sand particles shall be hard, dense, durable uncoated rock fragments that will pass a screen having 1/4 inch square openings. The sand shall be well graded from fine to coarse, and shall be free from injurious amounts of dirt, organic matter and other deleterious substances. The coarse aggregate shall pass through a screen having 3/4 inch square openings, and shall be reasonably well graded from 3/16 to 3/4 inch. Screens having openings of other sizes and shapes may be used, if equivalent results as determined by the Engineer, are obtained. The Engineer reserves the right to test the sand and coarse aggregate and if required, the Contractor shall submit, for preliminary tests and approval, representative samples of the sand and coarse aggregate proposed for use in the concrete work.

Transverse grooves five-sixteenths of an inch (5/16") in width and five-eighths of an inch (5/8") in depth shall be made in the concrete lining at intervals of ten feet (10') and maintained to the required dimensions until the concrete has hardened.

As soon as the concrete lining has hardened sufficiently, it shall be cured by the application of a white pigmented sealing compound conforming to the requirements of AASHTO Designation M-148 for Type 2. The sealing compound shall be applied in one coat to provide a continuous uniform white membrane over the entire concrete area. The sealing compound shall be applied at the rate of at least one gallon per 150 square feet and the rate shall be increased, if necessary, to obtain the required continuous membrane.

Payment for this item will be made at the contract unit price bid per lineal foot for the size as called for in the bidding schedule, which price shall be full compensation for the item, complete in place, including all necessary labor, material and equipment.

CONSTRUCTION SPECIAL PROVISIONS

WORK ORDER NO. 15900

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SECTION 637 - IRRIGATION GATES: The work under this item shall consist of furnishing all labor, materials and equipment necessary for installation of irrigation gates of the size and type and at location as shown on the plans. The Irrigation Gate, Swanson Model 824 S.L., or Equal, shall be installed to provide a watertight seal. Payment for this item will be made at the contract unit price bid per each for ITEM NO. 637 - IRRIGATION GATE SWANSON MODEL 824 S.L. or EQUAL, which price shall be full compensation for the item, complete in place.

SECTION 637 - DIRT IRRIGATION DITCH: This item shall consist of constructing a dirt irrigation ditch to the detail and at the location as shown on the plans.

Payment for this item will be made at the contract unit price bid per lineal foot for ITEM NO. 638 - DIRT IRRIGATION DITCH, which price shall be full compensation for the item, complete in place.

GENERAL COMMENTS: The County reserves the right to adjust design grades or the location of drainage structures prior to construction, if it should become necessary in the opinion of the Engineer, without additional cost to Maricopa County.

All works within the Arizona Department of Transportation's rights-of-way (at U.S. 80) shall conform to the requirements and regulations set forth in the permit issued by the Arizona Department of Transportation. A copy of the permit will be furnished to the Contractor by the County.

The cost of all work required under this contract as shown on the plans for which there are no specific items shown on the Bidding Schedule, shall be included in the prices bid for related items.

An attempt has been made to determine the location of all underground utilities and to design the location and elevation of all drainage pipes, culverts and structures so as not to interfere with existing utilities, however, it shall be the Contractor's responsibility to cooperate with the pertinent utility companies so that any obstructing utility installation may be adjusted.

GUARANTEE: The Contractor shall guarantee the pipe and structure installations for one year against faulty materials, faulty workmanship and failure to meet the specification requirements. Said guarantee by the Contractor shall not apply to damage caused by earthquakes or other acts of God, land subsidence or faulty operations or any abuse of the pipeline or structure by others.

CONSTRUCTION SPECIAL PROVISIONS

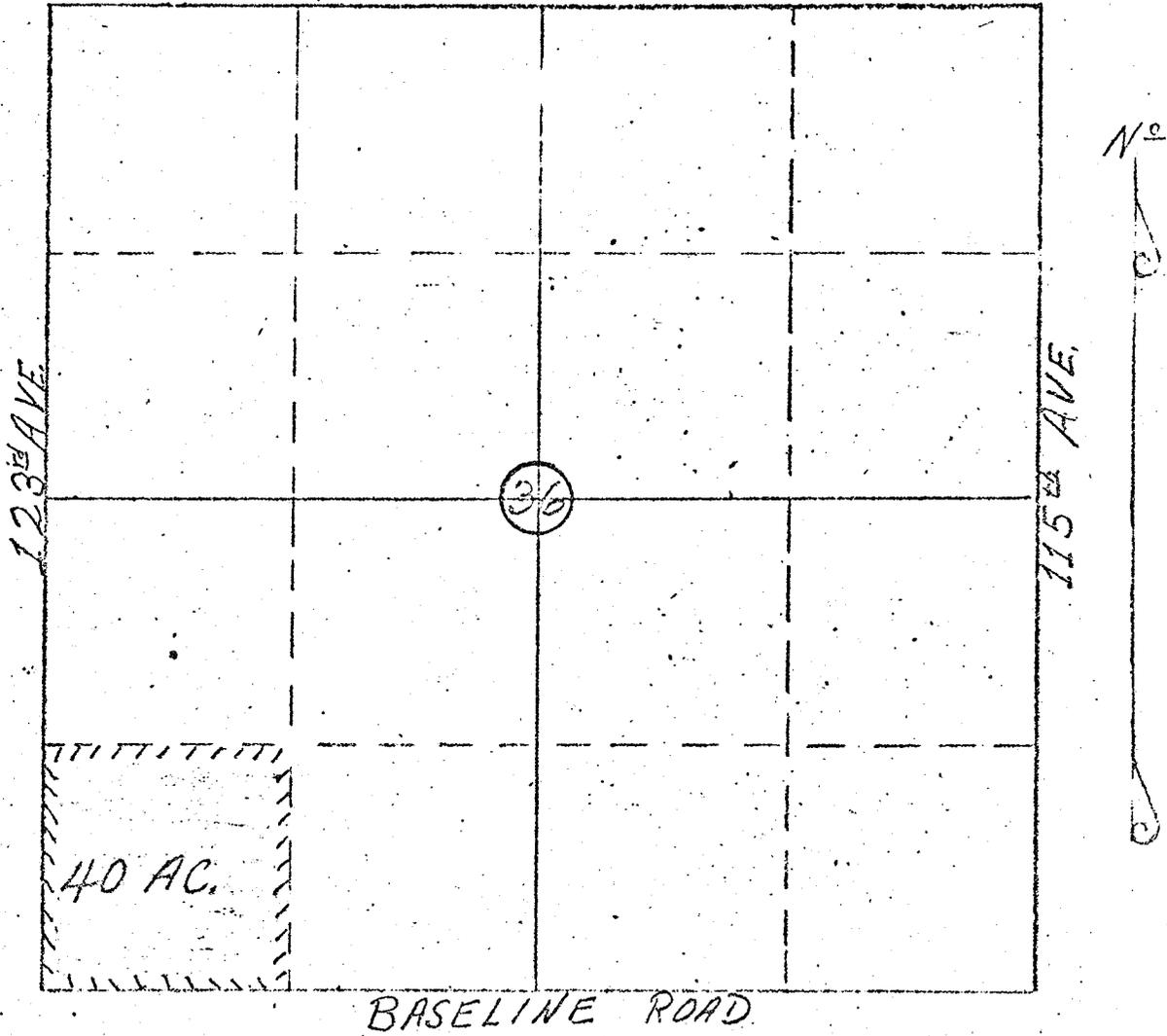
WORK ORDER NO. 15900

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MARICOPA COUNTY HIGHWAY DEPARTMENT

SEC. 36 TWP. 1N RANGE 1W

M.C.H.D. PIT. # 401



SCALE 1"=1000'

Drawn by - Joe Alexander 10/1/25
Approved by - Calvin Hamilton 10/1/25

P R O P O S A L

Work Order No. _____

TO THE BOARD OF SUPERVISORS
MARICOPA COUNTY
PHOENIX, ARIZONA

Gentlemen:

The following Proposal is made for constructing _____
_____ in the County of Maricopa, State of Arizona.

The following Proposal is made on behalf of _____

_____ and no others. Evidence of authority to submit the Proposal is herewith furnished. The Proposal is in all respects fair and is made without collusion on the part of any person, firm, or corporation mentioned above, and no member or employee of the Board of Supervisors is personally or financially interested, directly or indirectly in the Proposal, or in any purchase or sale of any materials or supplies for the work in which it relates or in any portion of the profits thereof.

The Undersigned certifies that the approved Plans, Uniform Standard Specifications of July 1, 1974, and amendment thereto, Special Provisions, forms of Contract and Bond authorized by the Board of Supervisors and constituting essential parts of this Proposal, have been carefully examined, and also that the site of the work has been personally inspected.

The Undersigned declares that the amount and nature of the work to be done is understood and that at no time will misunderstanding of the Plans, Specifications, Special Provisions, or conditions to be overcome, be plead. On the basis of the Plans, Specifications, Special Provisions, the forms of Contract, and the Bond proposed for use, the Undersigned proposes to furnish all the necessary machinery, equipment, tools, apparatus, and other means of construction, to do all the work and to furnish all the materials in the manner specified and to finish the entire project within the time hereinafter proposed and to accept, as full compensation therefor, the sum of various products obtained by multiplying each unit price, herein bid for work or materials, by the quantity thereof actually incorporated in the completed project, as determined by the County Engineer.

The Undersigned understands that the quantities mentioned herein are approximate only and are subject to increase or decrease and hereby proposes to perform all quantities of work, as either increased or decreased, in accordance with the provisions of the Specifications, at the unit price bid in the Bidding Schedule.

The Undersigned further proposes to perform all extra work that may be required on the basis provided in the specifications and to give such work personal attention and to secure economical performance.

The Undersigned further proposes to execute the Contract Agreement and furnish satisfactory Bond within ten(10) days from the date of award, time being of the essence. The Undersigned further proposes to begin the work as specified in the Contract attached hereto, and to complete the work within the time limits

as specified in the Special Provisions and maintain at all times a Contract Bond, approved by the Board of Supervisors, in an amount equal to one hundred percent (100%) of the total bid. This bond shall serve not only to guarantee the completion of the work on the part of the Undersigned, but also to guarantee the excellence of both workmanship and material and the payment of all obligations incurred, said Bond to be in full force and effect until the work is finally accepted and the provisions of the Plans, Specifications and Special Provisions is fulfilled.

A Proposal guaranty in the amount and character named in the Invitation to Bid is enclosed amounting to not less than five percent (5%) of the total bid, which Proposal guaranty is submitted as a guaranty of the good faith of the Bidder and that the Bidder will enter into written contract, as provided, to do the work, if successful in securing the award thereof; and it is hereby agreed that if at any time other than as provided in the Proposal requirements and conditions the Undersigned should withdraw this Proposal, or if the Proposal is accepted and there should be failure on the part of the Undersigned to execute the Contract and furnish satisfactory Bond as herein provided, the County of Maricopa in either of such events, shall be entitled and is hereby given the right to retain the said Proposal guaranty as liquidated damages.

Date: _____, 19____

IF BY AN INDIVIDUAL:

(Name)

(Address)

IF BY A FIRM OR PARTNERSHIP:

(Firm Name)

(Firm Address)

BY: _____

**Name & Address of Each Member:

| | |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

**The name and post office address of each member of the firm or partnership must be shown.

Date: _____, 19____

IF BY A CORPORATION:

(Corporate Name)

(Corporation Address)

By: _____

*Incorporated under the Laws of _____

Names and Addresses of Officers:

(President)

(Address)

(Secretary)

(Address)

(Treasurer)

(Address)

*The name of the State under which the laws of the Corporation was chartered and names, title, and business address of the President, Secretary, and Treasurer must be shown.

PROPOSAL

SHEET THREE OF THREE

CONTRACT

THIS AGREEMENT, made and entered into this _____ day of _____ 19____, by and between _____

of the City of _____, County of _____, State of _____, party of the first part, hereinafter designated the CONTRACTOR, and the COUNTY OF MARICOPA, acting by and through its BOARD OF SUPERVISORS, a political subdivision of the State of Arizona, a body politic with corporate power, party of the second part, hereinafter designated the OWNER.

WITNESSETH: That the said Contractor, for and in consideration of the sum to be paid him by the said Owner, in the manner and at the time hereinafter provided, and of the other covenants and agreements herein contained, and under the penalties expressed in the bonds provided, hereby agrees, for himself, his heirs, executors, administrators, successors, and assigns to as follows:

ARTICLE I-SCOPE OF WORK: The Contractor shall furnish any and all labor, materials, equipment, transportation, utilities, services and facilities required to perform all work for the construction of Project No. _____

and to completely and totally construct the same and install the material therein for the Owner, in a good and workmanlike and substantial manner and to the satisfaction of the Owner through its Engineers and under the direction and supervision of the Engineer, or his properly authorized agents and strictly pursuant to and in conformity with the Plans and Specifications prepared by the Engineers for the Owner, and with such modifications of the same and other documents that may be made by the Owner through the Engineer or his properly authorized agents, as provided herein.

ARTICLE II-CONTRACT DOCUMENTS: The Call for Bids, Plans, Standard Specifications and Details, Special Provisions, Addenda, if any, and Proposal, as accepted by the BOARD OF SUPERVISORS, Performance Bond, Payment Bond, Certificates of Insurance, and Change Orders, if any, are by this reference made a part of this Contract to the same extent as if set forth herein in full.

ARTICLE III-TIME OF COMPLETION: The Contractor further covenants and agrees at his own proper cost and expense, to do all work as aforesaid for the construction of said improvements and to completely construct the same and install the material therein, as called for by this agreement free and clear of all claims, liens, and charges whatsoever, in the manner and under the conditions specified within the time, or times, stated in the proposal pamphlet.

ARTICLE IV-PAYMENTS: For and in consideration of the faithful performance of the work herein embraced as set forth in the Contract Documents, which are a part hereof and in accordance with the directions of the owner, through its Engineer and to his satisfaction, the Owner agrees to pay the said Contractor the amount earned, computed from actual quantities of work performed and accepted or materials furnished at the unit bid price on the Proposal made a part hereof, and to make such payment within forty (40) days after final inspection and acceptance of the work.

IN WITNESS WHEREOF: five (5) identical counterparts of this contract each of which shall for all purposes be deemed an original thereof, have been duly executed by the parties hereinabove named, on the date and year first above written.

The Contractor agrees that this Contract, as awarded, is for the stated work, and understands that payment for the total work will be made on the basis of the indicated amount (s), as bid in the Proposal.

RECOMMENDED BY:

COUNTY ENGINEER

DATE

ATTEST:

SEAL

CONTRACTOR, PARTY OF FIRST PART

AUTHORIZED BY RESOLUTION

COUNTY OF MARICOPA
STATE OF ARIZONA

DATED: _____

BY

CHAIRMAN, BOARD OF SUPERVISORS
PARTY OF SECOND PART

STATUTORY PAYMENT BOND PURSUANT TO TITLE 34,
CHAPTER 2, ARTICLE 2, OF THE ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS:

That, _____
(hereinafter called the Principal), as Principal, and

_____ a corporation organized and existing under the laws of the State of _____, with its principal office in the City of _____, (hereinafter called the Surety), as Surety, are held and firmly bound unto the Maricopa County Highway Department, State of Arizona (hereinafter called the Obligee), in the amount of

_____ dollars (\$ _____), for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with the Obligee, dated the _____ day of _____, 19____, for _____

_____ which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall promptly pay all moneys due to all persons supplying labor or materials to him or his subcontractors in the prosecution of the work provided for in said contract, then this obligation shall be void, otherwise to remain in full force and effect.

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, of the Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions, of said Title, Chapter, and Article, to the extent as if it were copied at length herein.

The prevailing party or any party which recovers judgment on this bond shall be entitled to such reasonable attorney's fees as may be fixed by the court or a judge thereof.

Witness out hands this _____ days of _____, 19_____.

PRINCIPAL SEAL

BY: _____

AGENCY OF RECORD

SURETY SEAL

AGENCY ADDRESS

BY: _____

WORK ORDER NO.

POWER OF ATTORNEY SEAL

BY: _____

STATUTORY PERFORMANCE BOND PURSUANT TO TITLE 34
CHAPTER 2, ARTICLE 2, OF THE ARIZONA REVISED STATUTES
(Penalty of this bond must be 100% of the Contract amount)

KNOW ALL MEN BY THESE PRESENTS:

That, _____
(hereinafter called the Principal), as Principal, and

_____ a corporation organized and existing under the laws of the State of _____, with its principal office in the City of _____ (hereinafter called the Surety), as Surety, are held and firmly bound unto the Maricopa County Highway Department, in the County of Maricopa, State of Arizona, in the amount of

_____ dollars (\$ _____), for the payment whereof, the said Principal and Surety bind themselves, and their heirs, administrators, executors, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract with Maricopa County, dated the _____ day of _____, 19____, for _____

_____ which contract is hereby referred to and made a part hereof as fully and to the same extent as if copied at length herein.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall faithfully perform and fulfill all the undertakings, covenants, terms, conditions and agreements of said contract during the original term of said contract and any extension thereof, with or without notice to the Surety, and during the life of any guaranty required under the contract, and shall also perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of any and all duly authorized modifications of said contract that may hereafter be made, notice of which modifications to the Surety being hereby waived; then the above obligation shall be void, otherwise to remain in full force and effect;

PROVIDED, HOWEVER, that this bond is executed pursuant to the provisions of Title 34, Chapter 2, Article 2, of the Arizona Revised Statutes, and all liabilities on this bond shall be determined in accordance with the provisions of said Title, Chapter, and Article, to the extent as if it was copied at length herein.

The prevailing party in a suit on this bond shall be entitled to such reasonable attorney's fees as may be fixed by a judge of the court.

Witness our hands this _____ day of _____, 19____.

PRINCIPAL SEAL

BY: _____

AGENCY OF RECORD

SURETY SEAL

BY: _____

AGENCY ADDRESS

POWER OF ATTORNEY SEAL

BY: _____

WORK ORDER NO.

B I D D I N G S C H E D U L E

115 AVENUE FROM SOUTHERN AVENUE
TO U.S. 80
WORK ORDER NO. 15900

BID OPENING DATE: February 26, 1976

| ITEM NO. | QUANTITY | UNIT | DESCRIPTION | UNIT COST IN WRITING | UNIT COST IN FIGURES | AMOUNT |
|-----------|----------|---------|--|--------------------------|----------------------|-------------|
| 225 | 5,200 | M. Gal. | Watering | | | |
| 301 | 3.0246 | Mile | Subgrade Preparation | | | |
| 310.4-1 | 34,200 | Ton | Select Material | | | |
| 310.4-2 | 16,100 | Ton | Aggregate Base | | | |
| 315 | 190 | Ton | Bituminous Prime Coat (Contingent Item) | One Hundred Five Dollars | \$105.00 | \$19,950.00 |
| 321-C-3/4 | 10,200 | Ton | Asphalt Concrete | | | |
| 334 | 9,200 | Gal | Preservative Seal for Asphalt Concrete | | | |
| 340 | 147 | L.F. | Combined Curb & Gutter D.O.T. Std. C-5.01 Type "A", h=7" | | | |
| 350 | 1 | L.S. | Removal of Existing Improvement | | | |
| 402 | 92 | L.F. | 2½" P.V.C. Electrical Conduit | | | |
| 403 | 2 | Each | No. 5 Pull Box D.O.T. Std. T.S. 1-2 | | | |

B I D D I N G S C H E D U L E

115 AVENUE FROM SOUTHERN AVENUE
 TO U.S. 80
 WORK ORDER NO. 15900

BID OPENING DATE: February 26, 1976

| ITEM NO. | QUANTITY | UNIT | DESCRIPTION | UNIT COST IN WRITING | UNIT COST IN FIGURES | AMOUNT |
|----------|----------|------|--|----------------------|----------------------|--------|
| 405-1 | 6 | Each | Survey Monument Type "A" M.C.H.D. Std. C-101 | | | |
| 405-2 | 10 | Each | Survey Monument Type "B" M.C.H.D. Std. C-101 | | | |
| 505.10-1 | 13 | Each | Catch Basin Double Grate M.C.H.D. Std. C-125 | | | |
| 505.10-2 | 2 | Each | Irrigation Structure | | | |
| 622-1 | 202 | L.F. | 12" Reinforced Concrete Pipe (Rubber Gasket) | | | |
| 622-2 | 498 | L.F. | 18" Reinforced Concrete Pipe (Rubber Gasket) | | | |
| 622-3 | 28 | L.F. | 36" Reinforced Concrete Pipe (Rubber Gasket) | | | |
| 622-4 | 120 | L.F. | 48" Reinforced Concrete Pipe (Rubber Gasket) | | | |
| 623 | 83 | S.F. | Headwall M.C.H.D. Std. C-128 | | | |
| 635-1 | 180 | L.F. | Concrete Lined Irrigation Ditch D=3', W=2' | | | |
| 635-2 | 175 | L.F. | Concrete Lined Irrigation Ditch D=3', W= 1'-6" | | | |

