

ADDENDUM NO. 2

CITY OF SAN ANTONIO TRANSPORTATION & CAPITAL IMPROVEMENTS

**PROJECT NAME: BARBARA DRIVE DRAINAGE PROJECT (McCULLOUGH
AVE TO SKIPPER DR)**

DATE: 01/17/2017

ADDENDUM NO. 2

This addendum should be included in and be considered part of the plans and specifications for the name of the project. The contractor shall be required to sign an acknowledgement of the receipt of this addendum and submit with their bid. Where provisions of the following supplementary data differ from those of the original Construction Documents, the Addendum shall govern and take precedence.

TCI PROJECT NO.: 23-01398

1. Response to Contractors Questions as of 1/17/2017.

CHANGES TO BID DOCUMENTS:

2. Substitute and utilize updated "010 FORMAL INVITATION FOR BIDS FORM" which was revised as follows:
 - a. Include references to Addenda ## 1 and 2
 - b. Extended deadline for Bidder Questions from January 13, 2017 to January 20, 2017 at 12:00 p.m.
 - c. Extended the Solicitation Deadline to from January 24, 2017 at 2:00 p.m., to January 31, 2017 at 2:00 p.m.
3. Substitute and utilize Form 025 updated to:
 - a. Revise unit of measure for the Bid Item "804.2 Mulch – 4" Depth" from EA to CY
 - b. Revise quantity for Add Alt #3, Bid Item "9999 Channel Excavation, and Transport/ Disposal of Material to Landfill Facility" from 112,937 CY to 112,637 CY.
 - c. Revised Bid Item Number to be 540.10 for Curb Inlet Gravel Filters
 - d. Revise unit of measure for the Bid Item "554.1 Erosion Control Matting " from LF to SY
 - e. Revise unit of measure for the Bid Item "459-6009 Gabions (3' x 3') (Galv)" from SY to CY
 - f. Revised Bid Item Number to be 403.10 for Inlet (Grate) (MOD)
 - g. Revised Bid Item Number to be 450-6051 Rail (Handrail)(Ty E) to replace Item 450-6047 Rail (Handrail)(Ty A)
 - h. Revised Bid Item 620.1 Electrical Conductors #6 CU AWG quantity from 3,200 LF to 3,140 LF

- i. Revised Bid Item 620.1 Electrical Conductors #4 CU AWG quantity from 2,800 LF to 2,630 LF
- j. Revised Bid Item 620.1 Electrical Conductors #8 CU AWG to Electrical Conductors #8 CU GND
- k. Revised Bid Item 620.1 Electrical Conductors #2 CU AWG to Electrical Conductors #2 CU

CHANGES TO PLANSHEETS:

- 4. Revised Supplemental General Notes (sheet 12) note 2 under the Channel Excavation Notes (ADD. ALT. 3) section from: “Contractor will not be required to generate the following documentation if Spoils are Transported to the Nelson Road Site . . .” to “Contractor will not be required to generate the following documentation if Spoils are Transported/Accepted to the Nelson Road Site . . .”.
- 5. Updated E&Q Sheet and Summary sheets as follows:
 - a. Added Section for ADD ALT #3 which includes Bid Item 9999 “Channel Excavation, Transport/Disposal of Material to Landfill Facility” per CY; quantity estimated at 112,637 CY
 - b. Added Bid Item 205.5 “Hot Mix Asphaltic Pavement, Type B (2.5” Comp. Depth) (PG 70-22)” per SY; quantity estimated at 293 SY.
 - c. Reduced quantity for Bid Item 205.5 “Hot Mix Asphaltic Pavement, Type B (2.5” Comp. Depth) (PG 64-22)” to 679 SY.
 - d. Added Bid Item 508.1 “Relocating Wire Fence” per LF; quantity estimated at 150 LF
 - e. Added Bid Item 6004.1 “Utility Pole Bracing” per Each; quantity estimated at 1 EA
 - f. Added Bid Item 450-6042 “Rail (TY PR1)” per LF; quantity estimated at 113 LF
 - g. Reduced quantity for Bid Item 450-6051 “Rail (TY E)” to 525 LF
 - h. Revised Bid Item Number to be 540.10 for Curb Inlet Gravel Filters
 - i. Revised Bid Item Number to be 403.10 for Inlet (Grate) (MOD)
 - j. Revised Bid Item 620.1 Electrical Conductors #6 CU AWG quantity from 3,200 LF to 3,140 LF
 - k. Revised Bid Item 620.1 Electrical Conductors #4 CU AWG quantity from 2,800 LF to 2,630 LF
 - l. Revised Bid Item 620.1 Electrical Conductors #8 CU AWG to Electrical Conductors #8 CU GND
 - m. Revised Bid Item 620.1 Electrical Conductors #2 CU AWG to Electrical Conductors #2 CU
- 6. Updated “Enlarged Tree Preservation Plan” (sheet 77) to revise tree classification for Tree # 5266 to a Heritage Tree.
- 7. Updated “Tree Inventory” (sheets 82, 83, and 86) to revise tree classifications for Tree ## 5266 and 5126, and to update total mitigation calculations

Note: Addenda Acknowledge Form for Addendum No. 2 is attached herein. This form must be signed and submitted with the bid package.



CIVIL ENGINEERING CONSULTANTS
DON DURDEN, INC.
SAN ANTONIO • LAREDO
TEXAS FIRM REGISTRATION NUMBERS
ENGINEERING F-2214 & SURVEYING 100410

POST PRE-BID MEETING QUESTIONS

Subject: Barbara Drive Drainage Project
Prepared by: Kristina Saenz, PE (CEC)
Reviewed by: Melissa Byler, PE (CEC)
Approved by: Eric Salazar, PE (TCI)

Post – Pre-Bid Meeting Questions:

1. Q: Bid tab states 4 inlets. Sheet 111, note 4 states to “see storm drain layout basin dr. sheet 1 of 1 for inlet location”, along with sheet 15 stating 4 inlets total. Sheet 113, “Storm Drain Layout Basin Dr.” only shows two inlets, please clarify amount of inlets involved in base bid construction.
A. Basin inlets to be installed as 2- 10’ Type C Inlet (Ty I) at both locations: BA1 and BA2, for a total of 4 inlets.
 2. Q: Bid tab and sheet 15 state “Type. C (Type 2)” curb inlets, sheet 113 states “Type C inlet (Ty 1)”, please clarify type of curb inlets to be installed on Basin Dr.
A. The curb inlets to be installed on Basin Dr. should be Ty C (Type II)
 3. Q: Sheet 111 states Inlets BA1 and BA2 are 20’, bid tab calls out inlets to replace them as 10’. Please confirm proposed inlet length.
A. Sheet 111 inlet length is the total inlet length required and is represented in the 2-10’ inlet installation per side. (see response to question #1)
 4. Q: The standard instructions to bidders, section 3.7.1, limits Mobilization and Prep ROW to 15% of the total bid/proposal cost. With the extent of box, foundations, pools & other items being placed in the Prep ROW, can the percentage be adjusted? If not, can a pay item be added with the unit of measure as Lump Sum?
A. Bid accordingly, a bid/proposal containing a combined total cost for Mobilization and Preparing Right-of-Way in excess of fifteen (15%) may be considered unbalanced and may be rejected by City.
1. Have all power poles been relocated? Poles will be removed or abandoned
 2. In reference to sheet 52, notes 7, states o/h and underground will be relocated prior to construction. If these relocations are not complete and add'l are forthcoming it makes it difficult to determine if cost to the bracing of poles will need to be included. Can a pay item be provided to support poles?
A. Pole bracing bid item was added to the project in Addendum #1.

3. Sheet 68 & 69, note 7 refers to “channel typical section”, can this section showing “...combination of sod, seeding, and hydro mulching” be provided?
 - A. Limits of the seeding and sod are provided in the Landscape Plans sheets 136-147
4. Are channel excavation quantities compute to “subgrade” on the channel, or to “finished” grade? Cross section detail requested in question #7 will assist in answering this question.
 - A. Item 105 “Channel Excavation” limits are quantified to finished grade. The quantities under Item 515 “Topsoil” for excavation or cultivation required to place topsoil at 4” depth are not included in the channel excavation quantities.
5. Page 26- Temp Diversion channel section A-A states the use of erosion control mat plus slopes greater than 3:1, to use rock rip rap.
 - A. Are cross sections available for diversion channel?
 - i. A: Cross-sections of the diversion channel are not available, however horizontal control is provided. The intent of the plans is to construct the southern slope of the proposed channel slopes (shown in channel cross sections), provide a 36’ wide bottom, and construct the northern slope (temporary) using 3:1 side slopes.
 - B. Is a plan & profile available showing flowline along with right and left bank?
 - i. A: No.
 - C. What type of & size of rock rip rap is required?
 - i. A: Temporary Rock Riprap (NSPI) shall meet requirements of TxDOT Item 432 – Stone Riprap for Protection, which allows usage of broken concrete from within the project limits.
 - D. What type of erosion control mat is required?
 - i. A: Due to the temporary condition of the Erosion Control Matting, provide a product consistent with the “ECB” option per Item 554.1.A.
6. Bid Item 804.1 Landscape Maint. (90 day) can a spec be provided?
 - A. Special COSA Provision for Item 804 – “New Tree & Shrub Planting and Maintenance” is included in the project manual (see pages 31-34)
7. Addendum #1 adds “Additive Alternate #3 “Channel Excavation and Transportation/Disposal of Material to Landfill Facility” and Base Bid has Channel Excavation. There is a difference in the two qty’s. For the note #1 to hold true, should they be the same?
 - A. The quantities for the Add Alt#3 Item 9999 and the Base Bid Item 105.1 are the same. If Add Alt 3 is accepted, then the same volume of channel excavation will still be required but shall be performed under Spl Specification 9999. The 025 Form will be updated to revise the quantity shown for Item 9999 as 112,637 CY.

8. Can you please verify the units of measure for the following bid item. COSA 804.2 Mulch – 4” Depth in unit of 200 EA.
 - A. The correct unit of measure for CoSA Item 804.2 (Mulch – 4” depth) is CY. The 025 Form will be updated to revise the unit of measure for this bid item.

CITY OF SAN ANTONIO

Issued By: Transportation and Capital Improvements
ID NO.: 23-01398

Date Issued: December 28, 2016
Page 1 of 1
ADDENDUM #2

**(010) FORMAL INVITATION FOR BIDS (IFB) to CONTRACT
Barbara Drive Area Drainage #23-01398**

Sealed bids, subject to the Terms and Conditions of this Invitation for Bids and other contract provisions, will be received at the Office of the City Clerk, City Hall, 100 Military Plaza, 2nd floor San Antonio, Tx 78205 until **2:00 P.M. CST on Tuesday, January 31, 2017** and publicly read aloud in **City Council Chambers at 114 W. Commerce, Municipal Plaza Building**. This is the *solicitation deadline*. Bids must be submitted in a sealed envelope and clearly marked with the due date of bid, bidder name, Project Name and ID NO. The City is not responsible for submissions not clearly and appropriately marked. Late submissions will be rejected and returned to bidder. A Non-Mandatory Pre-bid meeting will be held at 114 W. Commerce, San Antonio, TX 78205 in the 9th fl. conference room on Tuesday, January 10, 2017 at 10:00 A.M. **Deadline for questions: 12:00 P.M., January 20, 2017.**

This invitation includes the following Contract Documents:

- | | | | |
|--------|---|-----|---|
| 010 | Invitation for Bids and Contract Signature Page | 060 | Supplemental Conditions |
| 020 | Bid Form | 075 | Performance Bond |
| 025 | Unit Pricing Form | 076 | Payment Bond |
| 040 | Standard Instructions to Respondent | 081 | General Conditions for Construction Contracts |
| 041 | Certificate of Interested Parties (TEC Form 1295) | 095 | SAWS Special Conditions |
| 050.01 | SBEDA Guidelines | ▪ | Wage Decision |
| ▪ | Subcontractor/Supplier Utilization Plan | | |

Plans, Specifications and Special Conditions may be purchased at a cost of **\$150.00** per set from the office of **CEC, 11550 IH 10 West, Suite 395, San Antonio, TX 78230; Phone: (210) 641-9999**. No refund will be made for plan sets that are returned. Changes to Plans, Specifications and Special Conditions will be included in an addendum and will be posted on the web at www.sanantonio.gov/rfplistsings along with this solicitation. Bidder understands and agrees that bidder is responsible for obtaining addenda and adhering to all requirements in addenda. City is not responsible for incorrect information obtained through other sources.

The following documents (fully completed and with original signatures) constitute the required information to be submitted as a part of the bid proposal:

- | | | | |
|---------|---|-----|---|
| 1.) 010 | Invitation for Bids and Contract Signature Page | 4.) | Bid Bond |
| 2.) 020 | Bid Form | 5.) | Subcontractor/Supplier Utilization Plan |
| 3.) 025 | Unit Pricing Form | 6.) | Signed Addenda Acknowledgement Forms |
| | | 7.) | Proof of Form 1295 with Certification Number & Date Filed |

It is understood and agreed that the work is to be substantially completed on or before **270** calendar days. This project does not include hazardous environmental work. This project requires 2 project sign(s).

Small Business Economic Development Advocacy (SBEDA) Program Compliance – Respondents shall meet the subcontracting requirements as stated on Form 050.01 and on the Subcontractor/Supplier Utilization Plan posted with this solicitation on the City’s website.

Wage Decision – Respondent shall meet the prevailing wage rate requirements established for this contract and shall reference the wage decision posted with this solicitation on the City’s website.

The undersigned, by his/her signature, represents that he/she is authorized to bind the bidder to fully comply with Contract Documents for the amount(s) shown on the accompanying bid sheet(s). The work proposed to be done shall be accepted when fully completed and finished to the entire satisfaction of the City. The undersigned certifies all prices contained in this bid have been carefully checked and are submitted as correct and final. The bidder by submitting this bid and signing below, acknowledges that he/she has received & read the entire Bid and Contract document and agrees to be bound by the terms therein, has received all Addenda, and agrees to the terms, conditions, and requirements of the bidder’s bid proposal and all documents listed in the tables above and the enabling Ordinance and associated documentation that form the entire Contract upon approval by the City Council.

Official Name of Company (legal): _____

_____/_____
Original Signature of Person Authorized to Sign Bid/Contract Date Signer’s Name: _____
(Please Print or Type)

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

PROJECT NAME: Barbara Drive Drainage Project
PROJECT NO.: 23-01398
ADDENDUM #2

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
ROADWAY AND DRAINAGE BASE BID (COSA)									
	COSA 100.1			MOBILIZATION	LS	1			1
	COSA 100.2			INSURANCE & BOND	LS	1			2
	COSA 101.1			PREPARING RIGHT-OF-WAY	LS	1			3
	COSA 102.1			OBLITERATING ABANDONED STREET (< 25000 SY)	SY	618			4
	COSA 103.1			REMOVE CONCRETE CURB (700LF < X < 10000 LF)	LF	972			5
	COSA 103.3			REMOVE CONCRETE SIDEWALKS & DRIVEWAYS (> 10000 SF)	SF	11421			6
	COSA 104.1			STREET EXCAVATION (< 1000 CY)	CY	961			7
	COSA 105.1			CHANNEL EXCAVATION (> 70000 CY)	CY	112637			8
	COSA 106.1			BOX CULVERT EXCAVATION & BACKFILL (600 CY < X < 10000 CY)	CY	1077			9
	COSA 107.1			EMBANKMENT (FINAL)(DENS CONT)(TY B)	CY	54			10
	COSA 108.1			LIME TREATED SUBGRADE (6" COMPACTED DEPTH)	SY	1948			11
	COSA 108.2			LIME (< 100 TON)	TON	12			12
	COSA 205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (2.5" COMP. DEPTH) (PG 64-22)	SY	1766			13
	COSA 205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (5" COMP. DEPTH) (PG 64-22)	SY	1948			14
	COSA 205.4			HOT MIX ASPHALTIC PAVEMENT, TYPE D (1.5" COMP. DEPTH) (PG 70-22)	SY	1766			15
	COSA 306.1			STRUCTURAL EXCAVATION (100 CY < X < 500 CY)	CY	237			16
	COSA 307.1			CONCRETE STRUCTURE (WINGWALL - McCULLOUGH)	CY	25			17
	COSA 309.1			PRE-CAST REINFORCED CONCRETE BOX CULVERTS (10' X 12')	LF	150			18
	COSA 401.1			REINFORCED CONCRETE PIPE (CLASS III) (36" DIA)	LF	112			19
	COSA 403.8			INLET TYP C (TYPE II) (COMPLETE)(10FT)	EA	4			20
	COSA 413.2			FLOWABLE BACKFILL (HIGH STRENGTH)	CY	10			21
	COSA 500.1			CONCRETE CURBING (< 1,000 LF)	LF	828			22
	COSA 500.4			CONCRETE CURB & GUTTER (< 1,000 LF)	LF	927			23
	COSA 502.1			CONCRETE SIDEWALKS (4") (1000 SY < X < 10000SY)	SY	2782			24
	COSA 503.1			PORTLAND CEMENT CONCRETE DRIVEWAYS (4000 SY < X < 10000 SY)	SY	159			25
	COSA 503.4			ASPHALTIC CONCRETE DRIVEWAY (< 100 SY)	SY	28			26
	COSA 505.1			CONCRETE RIPRAP (5" THICK) (< 4000 SY)	SY	8312			27
	COSA 505.1			CONCRETE RIPRAP (6" THICK) (< 4000 SY)	SY	12			28
	COSA 506.1			CONCRETE RETAINING WALLS-COMB. TYPE (< 20 CY)	CY	8			29
	COSA 507.2			CHAIN LINK WIRE FENCE (6' HIGH)*	LF	80			30
	COSA 507.5			GATES - VEHICULAR	OPEN	1			31
	COSA 507.6			WOOD FENCE (8' HIGH)	LF	160			32
	COSA 508.1			RELOCATING WIRE FENCE	LF	150			33
	COSA 515.1			TOPSOIL (> 500 CY)	CY	7000			34
	COSA 515.2			GRASSY-SWALE AREA PREPARATION	SF	5500			35
	COSA 515.3			SOIL MIX AT GRASSY-SWALE AREAS - 18" DEPTH	CY	550			36
	COSA 516.1			BERMUDA SODDING (< 2,000 SY)	SY	612			37
	COSA 520.1			HYDROMULCHING (RESIDENTIAL OR COMMERCIAL)	SY	27000			38
	COSA 520.2			DRAINAGE AREA SEED MIX - HYDROMULCHING	SY	22000			39
	COSA 525.1			CONCRETE TRAFFIC BARRIER (PORTABLE)	LF	340			40
	COSA 530.1			BARRICADES, SIGNS & TRAFFIC HANDLING	LS	1			41
	COSA 531.57			9 INCH [229 mm] STREET NAME, BLOCK NUMBER (VARIES x9") (HIGH INTENSITY)	EA	2			42
	COSA 540.1			ROCK FILTER DAMS (INSTALL/REMOVE) (TYPE 2)	LF	208			43
	COSA 540.6			CONSTRUCTION EXITS (INSTALL/REMOVE)	SY	426			44
	COSA 540.9			TEMPORARY SEDIMENT CONTROL FENCE	LF	3278			45
	COSA 540.10			CURB INLET GRAVEL FILTERS	LF	60			46
	COSA 550.1			TRENCH EXCAVATION SAFETY PROTECTION	LF	100			47
	COSA 551.1			TEMPORARY SPECIAL SHORING	SF	670			48
	COSA 554.1			EROSION CONTROL MATTING	SY	2892			49
	COSA 618.1			CONDUIT (2 INCH/PVC SCHEDULE 40)	LF	3000			50
	COSA 618.1			CONDUIT (4 INCH/PVC SCHEDULE 40)	LF	1500			51
	COSA 618.1			CONDUIT (4 INCH/RIGID SCHEDULE 40)	LF	300			52
	COSA 687.1			PEDESTAL POLE ASSEMBLY	EA	31			53
	COSA 801.1			LEVEL 1 PROTECTION FENCING	LF	5856			54
	COSA 802.1			LEVEL 1 PRUNING, SOIL, AMENDMENTS, & FERTILIZATION	EA	92			55
	COSA 804.1			LANDSCAPE MAINTENANCE (90 DAYS)	EA	1			56
	COSA 804.1			TREE PLANTING & MAINT. - 3-4" CAL., 12' HT., 6" SPREAD, CONTAINER GROWN	EA	114			57
	COSA 804.2			MULCH - 4" DEPTH	CY	200			58
	COSA 6004			UTILITY POLE BRACING	EA	1			59
	TXDOT 432 6046			RIPRAP (MOW STRIP) (5")	CY	32			60
	TXDOT 450 6042			RAIL (TYPE PR1)	LF	113			61
	TXDOT 450 6051			RAIL (HANDRAIL) (TYPE E)	LF	525			62
	TXDOT 459 6007			GABION MATTRESSES (GALV) (12")	SY	2245			63
	TXDOT 459 6009			GABIONS (3' X 3') (GALV)	CY	425			64
	TXDOT 506 6041			BIODEGRADABLE LOGS (INSTL) (12")	LF	598			65
	TXDOT 540 6001			MTL W-BEAM GD FEN (TIM POST)	LF	625			66
	TXDOT 540 6016			DOWNSTREAM ANCHOR TERMINAL SECTION	LF	1			67
	TXDOT 544 6001			GUARDRAIL END TREATMENT (INSTALL)	EA	2			68

TOTAL ROADWAY AND DRAINAGE BASE BID \$

SAWS SANITARY SEWER BASE BID									
	100.1			MOBILIZATION	LS	1			69
	101.1			PREPARING RIGHT-OF-WAY	LS	1			70
	550			TRENCH EXCAVATION SAFETY PROTECTION	LF	1978			71
	848			8" PVC GRAVITY SANITARY SEWER PIPE (SDR 26-2241, 160 PSI) (0'-6" CUT)	LF	92			72
	848			8" PVC GRAVITY SANITARY SEWER PIPE (SDR 26-2241, 160 PSI) (6'-18" CUT)	LF	268			73
	848			15" PVC GRAVITY SANITARY SEWER PIPE (SDR 26-3034) (6'-18" CUT)	LF	807			74
	848			18" PVC GRAVITY SANITARY SEWER PIPE (SDR 26-3034) (6'-18" CUT)	LF	30			75
	848			30-INCH GRAVITY SEWER PIPE (ASTM F679) (18'-22" CUT)	LF	606			76
	850			SANITARY SEWER STRUCTURE (0'-6" DEPTH) (6' ID)	EA	3			77
	850			SANITARY SEWER STRUCTURE (0'-6" DEPTH) (6' ID) (DOGHOUSE)	EA	2			78
	850			EXTRA DEPTH STRUCTURES (GREATER THAN 6' DEPTH) (6' ID)	VF	68			79
	852			SANITARY SEWER MANHOLE (0'-6" DEPTH) (4' ID)	EA	11			80
	852			EXTRA DEPTH MANHOLES (GREATER THAN 6' DEPTH) (4' ID)	VF	111			81
	854			SANITARY SEWER LATERALS (SDR 26, ASTM 2241, 160 PSI)	LF	40			82
	854			TWO-WAY SANITARY SEWER CLEAN-OUT	EA	1			83
	856			ADJUST EXISTING MANHOLE (RINGS AND COVER)	EA	1			84
	856.1			30" JACK, BORE, OR TUNNEL	LF	50			85
	856.2			15" CARRIER PIPE (SDR 26-3034)	LF	50			86
	856.3			CASING OR LINER 30"	LF	50			87

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

PROJECT NAME: Barbara Drive Drainage Project
PROJECT NO.: 23-01398
ADDENDUM #2

858			CONCRETE ENCASEMENT, CRADLES AND COLLARS	CY	79				88
860			VERTICAL STACKS	VF	8				89
862			ABANDONMENT OF SEWER MAIN (15", 18", 21", AND 30")	LF	2616				90
864			BYPASS PUMPING	LS	1				91
866			POST SEWER MAIN TELEVISION INSPECTION (8"-24")	LF	1247				92
866			POST SEWER MAIN TELEVISION INSPECTION (30")	LF	606				93
3400.1			MANHOLE REHABILITATION (STRUCTURAL CEMENTIOUS LINING)	VF	17				94
COSA 205			HOT MIX ASPHALTIC PAVEMENT - TYPE C (3" COMPACTED DEPTH)	SY	420				95
COSA 206			ASPHALT TREATED BASE (12" COMPACTED DEPTH)	SY	22				96
COSA 208			SALVAGING, HAULING, AND STOCKPILING RELAIMABLE ASPHALTIC PAVEMENT (3")	SY	420				97
COSA 500			CONCRETE CURB, GUTTER, AND CONCRETE CURB AND GUTTER	LF	20				98
COSA 502			CONCRETE SIDEWALKS	SY	5				99
COSA 530			BARRICADES, SIGNS AND TRAFFIC HANDLING	LS	1				100

TOTAL SAWS SANITARY SEWER BASE BID \$ -

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
SAWS WATER BASE BID									
	100.1			MOBILIZATION	LS	1			101
	101.1			PREPARING RIGHT-OF-WAY	LS	1			102
	550			TRENCH EXCAVATION SAFETY PROTECTION	LF	698			103
	818			8" PVC WATERLINE (OPEN CUT) (RESTRAINED)	LF	240			104
	820			16" DUCTILE IRON	LF	458			105
	828			8" GATE VALVES	EA	4			106
	828			16" GATE VALVES	EA	2			107
	834.1			FIRE HYDRANT	EA	1			108
	836			PIPE FITTINGS, ALL SIZES AND TYPES	TON	4.5			109
	840			8" WATER TIE-INS	EA	3			110
	840			16" WATER TIE-INS	EA	2			111
	841			HYDROSTATIC TESTING	EA	3			112
	844			2" BLOWOFF, TEMPORARY	EA	5			113
	846			2" AIR RELEASE ASSEMBLIES	EA	1			114
	856.1			JACKING, BORING, OR TUNNELING 30"	LF	113			115
	856.2			16" CARRIER PIPE	LF	113			116
	856.3			CASING OR LINER 30" (BORE)	LF	113			117
	3000			REMOVAL, TRANSPORTATION, AND DISPOSAL OF AC PIPE	LF	680			118
	COSA 205			HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" COMPACTED DEPTH)	SY	410			119
	COSA 206			ASPHALT TREATED BASE (10" COMPACTED DEPTH)	SY	340			120

TOTAL SAWS WATER BASE BID \$ -

ADD ALT #1 - TRIB 4 DRAINAGE IMPROVEMENTS (COSA)									
	COSA 100.1			MOBILIZATION	LS	1			121
	COSA 100.2			INSURANCE & BOND	LS	1			122
	COSA 101.1			PREPARING RIGHT OF WAY	LS	1			123
	COSA 104.1			STREET EXCAVATION (< 1000 CY)	CY	265			124
	COSA 106.1			BOX CULVERT EXCAVATION & BACKFILL (600 CY < X < 10000 CY)	CY	7447			125
	COSA 107.1			EMBANKMENT (FINAL)(DENS CONT)(TY B)	CY	2			126
	COSA 108.1			LIME TREATED SUBGRADE (6" COMPACTED DEPTH)	SY	1075			127
	COSA 108.2			LIME (< 100 TON)	TON	7			128
	COSA 205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (2.5" COMP. DEPTH) (PG 64-22)	SY	679			129
	COSA 205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (2.5" COMP. DEPTH) (PG 70-22)	SY	293			130
	COSA 205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (5" COMP. DEPTH) (PG 64-22)	SY	1075			131
	COSA 205.4			HOT MIX ASPHALTIC PAVEMENT, TYPE D (1.5" COMP. DEPTH) (PG 70-22)	SY	972			132
	COSA 307.1			CONCRETE STRUCTURE (ELEVATED SIDEWALK) (< 10 CY)	CY	3			133
	COSA 307.1			CONCRETE STRUCTURE (HEADWALL TRIB 4)	CY	14			134
	COSA 309.1			PRE-CAST REINFORCED CONC BOX CULVERTS 10 X 12"	LF	1064			135
	COSA 401.1			REINFORCED CONCRETE PIPE (CLASS III)(48" DIA)	LF	10			136
	COSA 403.8			INLET TYP C (TYPE II) (MOD) (10 FT)	EA	4			137
	COSA 403.10			INLET (GRATE) (MOD)	EA	1			138
	COSA 407.4			CONCRETE COLLAR	CY	1			139
	COSA 409.50			RING & COVER	EA	2			140
	COSA 500.1			CONCRETE CURBING (< 1000 LF)	LF	511			141
	COSA 502.1			CONCRETE SIDEWALKS (4") (< 150 SY)	SY	74			142
	COSA 505.1			CONCRETE RIPRAP (5" THICK) (< 100 SY)	SY	72			143
	COSA 530.1			BARRICADES, SIGNS & TRAFFIC HANDLING	LS	1			144
	COSA 540.1			ROCK FILTER DAMS (INSTALL/REMOVE) (TYPE 2)	LF	50			145
	COSA 540.9			TEMPORARY SEDIMENT CONTROL FENCE	LF	865			146
	COSA 540.10			CURB INLET GRAVEL FILTERS	LF	60			147
	TXDOT 450-6051			RAIL (HANDRAIL) (TYPE E)	LF	128			148
	TXDOT 529-6020			CONC CURB & GUTTER (ARMOR CURB)	LF	10			149

TOTAL ADD ALT #1 BID (COSA) \$ -

ADD ALT #1 - TRIB 4 DRAINAGE IMPROVEMENTS (SAWS WATER)									
	100.1			MOBILIZATION	LS	1			150
	101.1			PREPARATION OF ROW	LS	1			151
	550			TRENCH EXCAVATION SAFETY PROTECTION	LF	331			152
	818			8" PVC WATERLINE (OPEN CUT)(RESTRAINED)	LF	56			153
	820			16" DUCTILE IRON	LF	145			154
	824			NEW 1" SHORT SERVICE	EA	2			155
	828			8" GATE VALVES	EA	2			156
	828			16" GATE VALVES	EA	1			157
	836			PIPE FITTINGS, ALL SIZES AND TYPES	TON	1.5			158
	840			8" WATER TIE-INS	EA	2			159
	840			16" WATER TIE-INS	EA	2			160
	841			HYDROSTATIC TESTING	EA	2			161
	844			2" BLOWOFF, TEMPORARY	EA	4			162
	856.2			8" CARRIER PIPE	LF	65			163
	856.2			16" CARRIER PIPE	LF	65			164
	856.3			CASING OR LINER 24" (OPEN CUT)	LF	65			165
	856.3			CASING OR LINER 30" (OPEN CUT)	LF	65			166
	3000			REMOVAL, TRANSPORTATION AND DISPOSAL OF AC PIPE	LF	78			167
	COSA 205			HOT MIX ASPHALTIC PAVEMENT - TYPE D (2" COMPACTED DEPTH)	SY	220			168
	COSA 206			ASPHALT TREATED BASE (10" COMPACTED DEPTH)	SY	190			169

TOTAL ADD ALT #1 BID (SAWS WATER) \$ -

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

PROJECT NAME: Barbara Drive Drainage Project
PROJECT NO.: 23-01398
ADDENDUM #2

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
ADD ALT #2 - PEDESTRIAN ILLUMINATION (COSA)									
	620.1			ELECTRICAL CONDUCTORS #6 CU AWG	LF	3140			170
	620.1			ELECTRICAL CONDUCTORS #4 CU AWG	LF	2630			171
	620.1			ELECTRICAL CONDUCTORS #8 CU GND	LF	3000			172
	620.1			ELECTRICAL CONDUCTORS #2 CU	LF	1800			173
	628.1			ELECTRICAL SERVICES (METER)	EA	3			174
	628.1			ELECTRICAL SERVICES (PANEL)	EA	3			175
	687.1			PEDESTAL POLE ASSEMBLY (FIXTURES)	EA	31			176

TOTAL ADD ALT #2 BID (COSA) \$ -

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
ADD ALT #3 - CHANNEL EXCAVATION (COSA)									
	9999			CHANNEL EXCAVATION, AND TRANSPORT/DISPOSAL OF MATERIAL TO LANDFILL FACILITY	CY	112937			177

Notes:
1. If Add Alt #3 is accepted by the City, then the total Base Bid Amount will be reduced by the unit bid price for Item 105.1 "Channel Excavation" included in the Base Bid.

TOTAL ADD ALT #3 BID (COSA) \$ -

SUMMARY										
					TOTAL ROADWAY AND DRAINAGE BASE BID	\$				-
					TOTAL SAWS SANITARY SEWER BASE BID	\$				-
					TOTAL SAWS WATER BASE BID	\$				-
					TOTAL BASE BID AMOUNT	\$				-
					TOTAL ADD ALT #1 BID (COSA)	\$				-
					TOTAL ADD ALT #1 BID (SAWS WATER)	\$				-
					TOTAL ADD ALT #1 - TRIB 4 DRAINAGE IMPROVEMENTS (COSA + SAWS)	\$				-
					TOTAL ADD ALT #2 - PEDESTRIAN ILLUMINATION (COSA)	\$				-
					TOTAL ADD ALT #3 - CHANNEL EXCAVATION (COSA)	\$				-

_____ certifies that the unit prices shown on this complete computer print-out for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its bid will be tabulated using these unit prices and no other information from this print-out.
 _____ Acknowledged and agrees that the total bid amount shown will be read as its total bid and further agrees that the official total bid amount will be determined by multiplying the unit bid prices shown in this print-out by the respective estimated quantities shown in the proposal and then totaling all of the extended amounts. _____ agrees to the terms, conditions, and requirements of the bidder's bid proposal.

Signed: _____ Date: _____

THE FOLLOWING CHANGES ARE MADE TO THE CITY OF SAN ANTONIO'S GENERAL NOTES:

SOIL GENERAL NOTES:

1. EXCESS SOIL DISPOSAL. CONTRACTOR SHALL PROVIDE A SUBMITTAL REGARDING DISPOSAL SITE TO THE CITY 45 DAYS PRIOR TO COMMENCEMENT OF HAULING OFF ANY EXCAVATED AND/OR EXCESS FILL MATERIAL. THE CONDITIONS SET FORTH HEREIN ARE SOLEY DUE TO A DESIRE BY THE CITY TO MANAGE AND DOCUMENT THE DISPOSAL OF SOILS FROM THIS SITE, NOT DUE TO ANY ENVIRONMENTAL CONCERNS RELATIVE TO THE MATERIAL BEING DISPOSED OF. ACCORDINGLY, IN THE SOIL DISPOSAL CONTRACTOR SUBMITTAL:
 - a. CONTRACTOR SHALL CERTIFICATE AND ASSURE THAT THE NUMBER OF SOIL DISPOSAL SITE DOES NOT EXCEED THREE (3) SITES.
 - b. CONTRACTOR SHALL CERTIFY THAT NO DISPOSAL AREAS ARE WITHIN THE FLOODPLAIN AND KNOWN SUPERFUND OR ENVIRONMENTAL ISSUE AREA, AND PROVIDE OWNER EVIDENCE TO THAT EFFECT.
 - c. CONTRACTOR SHALL INCLUDE PROVISIONS IN LANDOWNER AGREEMENTS THAT THE CITY RESERVES THE RIGHT TO CONDUCT INDEPENDENT VISUAL INSPECTIONS AND SOIL TESTING ON LISTED PROPERTIES PRIOR TO DISPOSAL OF PROJECT EXCESS SOILS TO DETERMINE BACKGROUND LEVELS OF VARIOUS ELEMENTS AS IDENTIFIED BY THE CITY, SAID LANDOWNER AGREEMENTS WILL PROVIDE ELEMENTS AS IDENTIFIED BY THE CITY, SAID LANDOWNER AGREEMENTS WILL PROVIDE AN EFFECTIVE RIGHT OF ENTRY THAT WILL EXPIRE UPON SUBSTANTIAL COMPLETION OF THE PROJECT.
 - d. CONTRACTOR AGREES TO ABIDE BY THE LANDOWNERS WRITTEN CONDITIONS IN LANDOWNER AGREEMENTS INCLUDING THOSE RELATED TO FOR PLACING, COMPACTING, RESTORATION, AND EROSION CONTROL OF THE SITE(S), AND THAT THE LANDOWNER'S WILL BE REQUESTED TO PROVIDE FINAL WRITTEN APPROVAL BEFORE PRIOR TO SUBSTANTIAL COMPLETION, AND THAT ANY COSTS THE CITY INCURS TO ADDRESS LEGITIMATE LANDOWNER CONCERNS WILL BE CONSIDERED AND MAY BE DEDUCTED FROM THE CONTRACTOR'S FINAL PAYMENT AS DETERMINED BY THE CITY.
 - e. ACCORDINGLY, LANDOWNERS SHALL PROVIDE CERTIFICATION TO THE CONTRACTOR AND THE CONTRACTOR SHALL INCLUDE SAID CERTIFICATION IN HIS SUBMITTAL THAT EXCESS SOILS SHALL NOT BE HAULED TO RESIDENTIAL PROPERTIES, EVERY ATTEMPT WILL BE MADE TO DISPOSE OF EXCESS SOILS AT EITHER COMMERCIAL OR INDUSTRIAL PROPERTIES.
 - f. CONTRACTOR AGREES TO COMPLY WITH OTHER REGULATORY AGENCIES REQUIREMENTS FOR PROPER AND LEGAL IMPLEMENTATION OF THE REUSE PLAN PRIOR TO SOIL TRANSPORT, AS APPLICABLE. CONTRACTOR SHALL ENSURE AN APPROPRIATE STORM WATER POLLUTION PREVENTION PLAN IS DEVELOPED AND IMPLEMENTED IN ACCORDANCE WITH TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM REQUIREMENTS, AS APPLICABLE.
 - g. CONTRACTOR SHALL BE RESPONSIBLE FOR TRACKING EXCESS SOIL DISPOSAL OF AT APPROVED DESIGNATED AREAS. CONTRACTOR SHALL TRACK LOADS AND PROVIDE DOCUMENTATION, SUCH AS TRIP TICKETS OR "BILL OF LAND" FOR ALL TRANSPORTED SOIL TO EACH APPROVED SITE.
 - h. CONTRACTOR SHALL NOT BEGIN HAULING ACTIVITIES OF EXCAVATED OR EXCESS SOILS TO THE DESIGNATED DISPOSAL SITES UNTIL CITY'S ENGINEER OR HIS/HER DESIGNEE PROVIDES WRITTEN AUTHORIZATION.
 - i. IN THE EVENT CONTRACTOR ONLY PROVIDES ONE DISPOSAL LOCATION TO CITY AND AN ADDITIONAL DISPOSAL LOCATION IS NEEDED, CONTRACTOR IS REQUIRED TO NOTIFY CITY IN WRITING OF ITS NEW DISPOSAL LOCATION AND PROVIDE WRITTEN DOCUMENTATION TO CITY'S ENGINEER AT MINIMUM 72 HOURS IN ADVANCE OF UTILIZING THE ADDITIONAL DISPOSAL LOCATION SO CITY MAY REVIEW AND APPROVE THE ADDITIONAL DISPOSAL LOCATION, PRIOR TO HAULING ACTIVITIES.

SAWS NOTES:

2. SEE SAWS JOINT BID PLANS FOR DETAILS. EXISTING MANHOLE COVERS, VALVE COVERS, ETC. ARE TO BE ADJUSTED TO FINISH GRADE ELEVATION BY CONTRACTOR.

CPS NOTES:

3. CONTRACTOR SHALL BRACE ANY CPS ELECTRIC POLE IF THEY ARE WITHIN 5 FT OF ANY TRENCH EXCAVATION OPERATION AT CONTRACTOR'S OWN COST.

STEPS:

 - j. IDENTIFY IN ADVANCE NEED FOR POLE BRACING. EXCAVATION WITHIN 5' OF EXISTING CPS POLE MORE THAN 2' DEEP.
 - k. CONTACT CPS ENERGY UTILITY COORDINATION TO REQUEST POLE BRACING: JOHN OFFER JEOFFER@CPSENERGY.COM OR CLAUDIA VALLES-TOVAR CVALLES-TOVA@CPSENERGY.COM
 - l. UTILITY COORDINATION GROUP WILL SET UP MEETING WITH CONTRACTOR AND CPS OVERHEAD ENGINEERING TO EVALUATE SITE.
 - m. *CPS OVERHEAD ENGINEERING WILL BEGIN DESIGN OF POLE BRACING.
 - n. **CPS OVERHEAD ENGINEERING WILL PROVIDE ESTIMATED COST FOR POLE BRACING.
 - o. CONTRACTOR SUBMITS PAYMENT TO CPS FOR POLE BRACING.
 - p. ONCE PAYMENT IS RECEIVED BY CPS, CPS OVERHEAD ENGINEERING WILL FINALIZE DESIGN
 - q. CPS OVERHEAD ENGINEERING WILL RELEASE DESIGN TO CPS CONSTRUCTION.
 - r. CPS CONSTRUCTION WILL SCHEDULE APPROPRIATE CREWS TO COMPLETE JOB.
 - s. CPS CONSTRUCTION COMPLETES JOB.

*CPS OVERHEAD ENGINEERING WILL ALSO DETERMINE THE NEED FOR TEMPORARY CONSTRUCTION EASEMENTS TO PROPERLY INSTALL THE POLE BRACING. IF TEMPORARY CONSTRUCTION EASEMENTS ARE REQUIRED, FURTHER COORDINATION WITH CPS ROW WILL BE COMPLETED TO ACQUIRE THE TEMPORARY CONSTRUCTION EASEMENTS. **IF TEMPORARY CONSTRUCTION EASEMENTS ARE REQUIRED, THE COST ASSOCIATED TO ATTAIN THE EASEMENTS WILL BE INCLUDED IN ESTIMATED COST FOR POLE BRACING PAID FOR BY THE CONTRACTOR.

DRAINAGE NOTES:

4. CONTRACTOR SHOULD TAKE NOTE THAT THIS PROJECT IS LOCATED IN THE 100 YEAR FLOODPLAIN.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL REQUIRED STORM WATER PERMITS, FEES, AND APPROVALS. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PERMITS REQUIRED FOR CONSTRUCTION IN DRAINAGE EASEMENTS, RIGHT OF WAYS, AND FLOODPLAINS.
6. THE CONTRACTOR SHALL NOTIFY STORM WATER ENGINEERING AT LEAST 24 HOURS PRIOR TO THE INSTALLATION OF ANY DRAINAGE FACILITY WITHIN A DRAINAGE EASEMENT OR STREET RIGHT OF WAY NOT INDICATED ON THE CONSTRUCTION PLANS.
7. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING DRAINAGE FACILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING DRAINAGE SYSTEMS, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT HIS EXPENSE. THE CONTRACTOR SHALL NOTIFY STORM WATER ENGINEERING AT 210-207-8052 AS SOON AS CONFLICTS WITH UTILITIES ARE ENCOUNTERED OR ANY DRAINAGE SYSTEM IS DAMAGED DURING CONSTRUCTION.
8. CONSTRUCTION SPOILS WILL NOT BE ALLOWED TO BE DEPOSITED ANYWHERE WITHIN THE RIGHT OF WAY OR FLOODPLAIN WITHIN THE LIMITS OF THE PROJECT AND SHALL BE DISPOSED OFFSITE IN COMPLIANCE WITH CURRENT APPLICABLE REGULATIONS.
9. NO STRUCTURE, FENCES, WALLS, LANDSCAPING, OR OTHER OBSTRUCTIONS THAT IMPEDE DRAINAGE SHALL BE PLACED WITHIN THE LIMITS OF THE DRAINAGE EASEMENTS SHOWN ON THE CONSTRUCTION DOCUMENTS.
10. UPON COMPLETION OF TRENCHING, THE AREA WILL BE BACKFILLED AND COMPACTED TO ITS ORIGINAL CONDITION. TRENCHES/BORE PITS TO BE OPEN AND UNATTENDED LONGER THAN 24 HOURS SHALL BE PROTECTED TO WITHSTAND ALL HYDRODYNAMIC AND HYDROSTATIC FORCES AND PREVENT DOWNSTREAM IMPACTS. TRENCHES/BORE PITS TO BE OPEN LONGER THAN 30 DAYS AFTER STARTING EXCAVATION SHALL BE FILLED WITH A SEMI-PERMANENT REPAIR BACKFILL.
11. IMPROVED SECTIONS OF EARTHEN CHANNELS AND/OR WATERWAYS WILL BE VEGETATED BY SEEDING OR SODDING. EIGHTY FIVE PERCENT OF THE CHANNEL SURFACE AREA MUST HAVE ESTABLISHED VEGETATION BEFORE THE CITY OF SAN ANTONIO WILL ACCEPT THE CHANNEL FOR MAINTENANCE.
12. CONTRACTOR SHALL NOT PLACE WEEP HOLES IN PRECAST BOX CULVERTS.
13. CHANNEL CONSTRUCTION. IT IS CONTRACTOR'S RESPONSIBILITY TO MAINTAIN PROPER DRAINAGE DURING EXCAVATION, CONSTRUCTION OF THE PROPOSED CHANNEL, AND FOR THE DURATION OF CONSTRUCTION. ANY DEWATERING REQUIRED DUE TO GROUND WATER ENCOUNTERED AND/OR STORM WATER AND FLOODING EVENTS IS CONTRACTOR'S RESPONSIBILITY AND IS CONSIDERED SUBSIDIARY TO CHANNEL EXCAVATION.

VIA GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT REMOVE OR ADJUST ANY VIA ASSETS.
2. THE CONTRACTOR MUST CONTACT VIA ((210)362-2155 OR (210)362-2096) FOURTEEN DAYS PRIOR, FOR THE REMOVAL OF BENCHES, STOP POLES AND ANY OTHER VIA AMENITIES WITHIN THE PROJECT LIMITS.
3. PLEASE PROVIDE THIRTY DAYS PRIOR NOTICE FOR SHELTER REMOVAL.
4. THE CONTRACTOR WILL BE LIABLE FOR ANY DAMAGES TO VIA FACILITIES NOT REMOVED BY VIA.
5. THE CONTRACTOR IS REQUIRED TO REPLACE ALL FLATWORK REMOVED OR DAMAGED IN THE COURSE OF EXECUTING THE CONTRACT UNLESS OTHERWISE NOTED BY VIA.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING VIA FACILITIES IF ADJACENT TO WORK AREA.
7. CONCERNING NEW VIA RELATED FLATWORK: THE CONTRACTOR SHALL SCHEDULE WITH VIA ((210)362-2155 OR (210)362-2096) A PRE-POUR INSPECTION FOR ANY SHELTER SLAB, PAD, ADA CONNECTOR OR OTHER PLACEMENT THAT DIRECTLY AFFECTS VIA AMENITIES PLACEMENT NOT OT INCLUDE SIDEWALKS.

LANDSCAPING NOTES:

1. DRAINFIELD MIX GRASS SEED MIXTURE SHALL BE INSTALLED IN COMPLIANCE WITH THE ITEM 520 HYDROMULCHING, AS DESCRIBED FOR ANNUAL RYEGRASS. THE RATE OF SEEDING SHALL BE AT A RATE OF 5 LBS. PER 1,000 SQUARE FEET. THE WOOD/CELLULOSE BLEND FIBER MULCH AND BINDER SHALL BE PLACED NO MORE THAN 3/8" THICK, AND MAY BE PLACED OVER THE TOP OF THE SEED BED, AFTER SEED HAS BEEN APPLIED TO THE PREPARED SOIL.

CHANNEL EXCAVATION NOTES (ADD ALT. 3):

1. SPOILS COMPOSED OF SOIL, GRAVEL, FLEXIBLE BASE AND FREE FROM ROCK GREATER THAN 4-INCHES, ASPHALT, CONCRETE, METAL, AND LITTER OF ANY KIND SHALL BE TRANSPORTED AND DISPOSED OF AT THE DESIGNATED OFF-SITE LANDFILL FACILITY LOCATED AT 8963 NELSON ROAD, SAN ANTONIO, TEXAS, FOR USE AS LANDFILL COVER. SPOILS MEETING THE ABOVE CRITERIA WILL BE DETERMINED BY OWNER. NO CONSTRUCTION TRASH IS ALLOWED.
2. CONTRACTOR WILL NOT BE REQUIRED TO GENERATE THE FOLLOWING DOCUMENTATION IF SPOILS ARE TRANSPORTED/ACCEPTED TO THE NELSON ROAD SITE FOR DISPOSAL:
 - A. FLOODPLAIN CERTIFICATION SUBMITTAL TO CITY FOR UTILIZING THIS SITE
 - B. SOIL RELOCATION & COMMUNICATION PLAN
 - C. PROPERTY OWNER ACCEPTANCE LETTER FOR SPOILS
 - D. DISPOSAL FEE(S)
3. CONTRACTOR WILL NOT BE RESPONSIBLE TO SPREAD SPOILS AT DESIGNATED SITE.
4. PROVIDE 780 LF OF SILT FENCE AND DELIVER TO SITE LOCATION. INSTALLATION AND MAINTENANCE OF SILT FENCE WILL BE PERFORMED BY CITY. COST OF MATERIAL AND DELIVERY OF MATERIAL IS SUBSIDIARY TO SPECIAL ITEM 9999.
5. PROVIDE 177 SY OF CRUSHED AGGREGATE AND DELIVER TO SITE LOCATION FOR USE AS CONSTRUCTION EXIT. FURNISH AGGREGATES THAT ARE CLEAN, HARD, DURABLE, AND FREE FROM ADHERENT COATINGS SUCH AS SALT, ALKALI, DIRT, CLAY, LOAM, SHALE, SOFT, OR FLAKY MATERIALS AND ORGANIC AND INJURIOUS MATTER. USE 4- TO 8- IN. ROCK FOR TYPE 1 AND 2- TO 4- IN. ROCK FOR TYPE 3. INSTALLATION AND MAINTENANCE OF CONSTRUCTION EXITS WILL BE PERFORMED BY CITY. COST OF MATERIAL AND DELIVERY OF MATERIAL IS SUBSIDIARY TO SPECIAL ITEM 9999.
6. PROVIDE A TRIP TICKET FORM TO CITY FOR APPROVAL THAT CONTRACTOR WILL USE WHEN DELIVERING SPOILS. COST FOR CREATING TRIP TICKET FORMS SHALL BE CONSIDERED SUBSIDIARY TO SPECIAL ITEM 9999. THE FORM SHALL INCLUDE THE FOLLOWING INFORMATION:
 - A. PROJECT NAME
 - B. NAME OF CONTRACTOR
 - C. NAME OF TRUCKING COMPANY
 - D. TRUCK NO.
 - E. DATE
 - F. TIME
 - G. UNIQUE TRIP TICKET NUMBER
 - H. TWO (2) SIGNATURE LINES
 - I. ONE (1) FOR TRUCK DRIVER
 - II. ONE (1) FOR LANDFILL ACCEPTANCE TECHNICIAN
7. COMPLETED TRIP TICKETS SHALL BE SUBMITTED TO CITY AS PART OF CONTRACTORS REQUEST FOR PAYMENT. TWO (2) WEEKS PRIOR TO INITIAL DELIVERY OF SPOILS, COORDINATE WITH COSA FOR ENTRY AND PROCESSING INTO THE DESIGNATED FACILITY. CONTACT MR. ROGER ESCAMILLA AT:

(210) 207-6537 (OFFICE)
 (210) 416-1845 (CELL)
 ROGELIO.ESCAMILLA@SANANTONIO.GOV



CITY OF SAN ANTONIO
 CAPITAL IMPROVEMENTS MANAGEMENT SERVICES DEPARTMENT

BARBARA DRIVE
 SUPPLEMENTAL GENERAL NOTES

% SUBMITTAL	PROJECT NO.:	DATE:
DRWN. BY:	DSGN. BY:	CHKD. BY:
		SHEET NO.: 12 OF

TRAFFIC CONTROL & SW3P ITEMS

SHT. NO.	STATION TO STATION	503.4 ASPHALTIC CONCRETE DRIVEWAY	508.1 RELOCATING WIRE FENCE	525.1 CONCRETE TRAFFIC BARRIER (PORTABLE)	530.1 BARRICADES, SIGNS, AND TRAFFIC HANDLING	531.57 9 INCH STREET NAME SIGN (HIGH INTENSITY)	540.1 ROCK FILTER DAMS (INSTALL/ REMOVE) (TYPE 2)	540.6 CONSTRUCTION EXITS (INSTALL/ REMOVE)	540.9 TEMPORARY SEDIMENT CONTROL FENCE	540.10 CURB INLET GRAVEL FILTER BAGS	554.1 EROSION CONTROL MATTING	506-6041 BIODEGRADABLE EROSION CONTROL LOGS (INSTL) (12")	6004 UTILITY POLE BRACING
		SY	LF	LF	LS	EA	LF	SY	LF	LF	SY	LF	EA
BARBARA DR BASE BID													
1 OF 8	PHASE 1A	28		40			57	142	1844	40	2892		
2 OF 8	PHASE 1B - SHT 1			300		2				20			
3 OF 8	PHASE 1B - SHT 2		150										
4 OF 8	PHASE 1B - DETAIL												
5 OF 8	PHASE 2						151	284	1434				1
6 OF 8	PHASE 3												
	BASE BID TOTAL	28	150	340	1	2	208	426	3,278	60	2,892	598	1
BARBARA DR ADD ALT 1													
7 OF 8	PHASE 4						50		580	60			
7 OF 8	PHASE 5								285				
	ADD ALT 1 TOTAL						50		865	60			
	PROJECT TOTALS	28	150	340	1	2	258	426	4,143	120	2,892	598	1

ROADWAY ITEMS

SHT. NO.	STATION TO STATION	102.1 OBLITERATING ABANDONED STREET	103.1 REMOVE CONCRETE CURB	103.3 REMOVE SIDEWALK & DRIVEWAYS	104.1 * STREET EXCAVATION	107.1 EMBANKMNT (FINAL)(DENS CONT)(TY B)	108.1 LIME TREATED SUBGRD (6" COMP DEPTH)	108.2 LIME	205.2 HMAC PVMT, TY B (2.5" COMP DEPTH) (PG 64- 22)	205.2 HMAC PVMT, TY B (2.5" COMP DEPTH) (PG 70- 22)	205.2 HMAC PVMT, TY B (5"COMP DEPTH) (PG 64- 22)	205.4 HMAC PVMT, TY D (1.5"COMP DEPTH) (PG 70- 22)	413.2 FLOWABLE FILL (HIGH STRENGTH)	500.1 CONCRETE CURBING	500.4 CONCRETE CURB & GUTTER	502.1 CONCRETE SIDEWALK (4")
		SY	LF	SF	CY	CY	SY	TON	SY	SY	SY	SY	CY	LF	LF	SY
BARBARA DR BASE BID																
1 OF 3	CHANNEL					26								290		
2 OF 3	CHANNEL		664	4968										308		957
3 OF 3	CHANNEL		308	6453												1125
1 OF 1	BASIN DR	618			951	12	1948	12	1766		1948	1766			927	388
1 OF 1	MC CULLOUGH AVE				10	16								230		312
	BASE BID TOTAL	618	972	11,421	961	54	1,948	12	1,766		1,948	1,766	10	828	927	2,782
BARBARA DR ADD ALT 1																
1 OF 1	BARBARA DR				203	1	756	5	679		756	679		401		40
1 OF 1	OBLATE DR				62	1	319	2		293	319	293		110		34
	ADD ALT 1 TOTAL				265	2	1075	7	679	293	1075	972		511		74
	PROJECT TOTALS	618	972	11,421	1,226	56	3,023	19	2,445	293	3,023	2,738	10	1,339	927	2,856

ROADWAY ITEMS

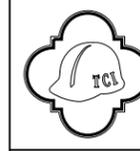
SHT. NO.	STATION TO STATION	503.1 PORTLAND CEMENT CONCRETE DRIVEWAYS	505.1 CONCRETE RIPRAP (6" THICK)	506.1 CONCRETE RETAINING WALLS-COMBO TYPE	507.2 CHAIN LINK WIRE FENCE (6' HIGH)	507.5 GATES - VEHICULAR	507.6 WOOD FENCE (8' HIGH)	432-6046 RIPRAP (MOW STRIP)(5 IN)	450-6042 RAIL (TY PR1)	450-6051 RAIL (HANDRAIL) (TYPE E)	529-6020 CONC CURB & GUTTER (ARMOR CURB)	540 - 6001 MTL W-BEAM GD FEN (TIM POST)	540 -6016 DOWNSTREAM ANCHOR TERMINAL SECTION	544 - 6001 GUARDRAIL END TREATMENT (INSTALL)
		SY	SY	CY	LF	OPEN	LF	CY	LF	LF	LF	LF	LF	EA
MC CULLOUGH AVE														
	BASE BID TOTAL													
1 OF 3	CHANNEL													
2 OF 3	CHANNEL							17		247		350		1
3 OF 3	CHANNEL				80	1	160		113	278				
1 OF 1	BASIN DR	87						15				275	1	1
1 OF 1	MC CULLOUGH AVE	72	12	8										
	BASE BID TOTAL	159	12	8	80	1	160	32	113	525		625	1	2
BARBARA DR ADD ALT 1														
1 OF 1	BARBARA DR									40	10			
1 OF 1	OBLATE DR									88				
	ADD ALT 1 TOTAL									128	10			
	PROJECT TOTALS	159	12	8	80	1	160	32	113	653	10	625	1	2

* REMOVAL LIMITS OF EXISTING SIDEWALKS AND DRIVEWAYS SHALL BE PAID FOR UNDER ITEM 103 AND ARE QUANTIFIED FROM THE BACK OF THE SIDEWALK TO THE NEAREST EDGE OF PAVEMENT. ALL OTHER ITEMS TO BE REMOVED UNDER ITEM 101.1 PREP ROW.

** BIODEGRADABLE EROSION CONTROL LOGS ARE INCLUDED AS AN ALTERNATIVE OPTION TO SILT FENCE TO BE PLACED AT THE DRIVEWAYS OR OTHER LOCATIONS AS MAY BE DETERMINED BASED ON FIELD CONDITIONS.



DON DURDEN, INC.
d.b.a. CIVIL ENGINEERING CONSULTANTS
11550 IH 10 WEST, SUITE 395
SAN ANTONIO, TEXAS 78230-1037
TEL: (210) 641-9999
FAX: (210) 641-6440
REGISTRATION #F-2214
CEC PROJECT NUMBER: E0384400



CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL
IMPROVEMENTS

BARBARA DRIVE

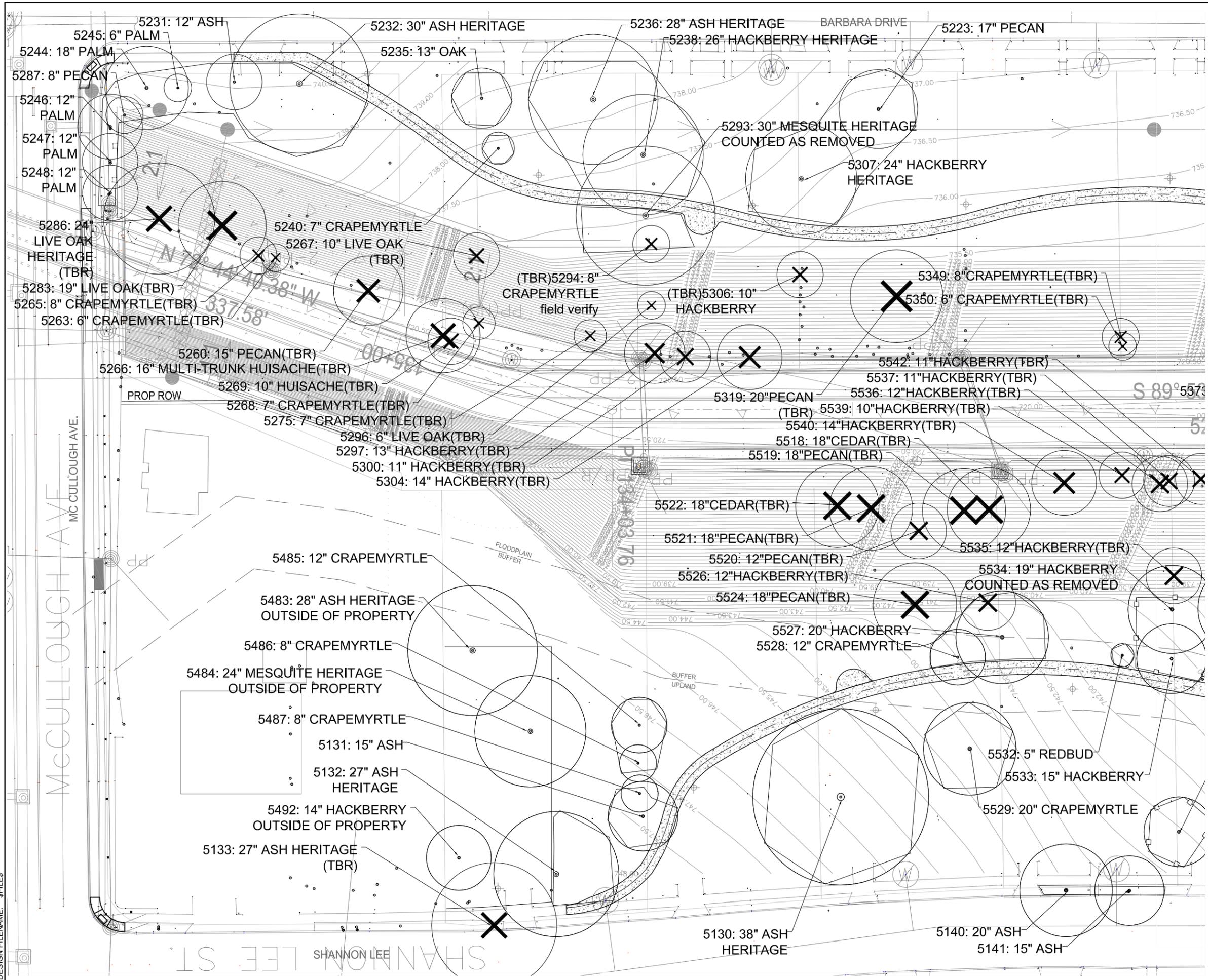
PROJECT SUMMARY

SHEET 1 OF 2

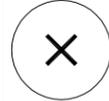
SUBMITTAL	PROJECT NUMBER	DATE
100%	E0384400	1/17/2017
DRWN BY:	DSGN BY:	CHKD BY:
EV	KS	MB
		SHEET NO.
		14

PLOTTED ON: 1/17/2017 @ 2:53:56 PM
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PLOTTED ON: SDATES @ \$TIMES
 DESIGN FILENAME: \$FILES

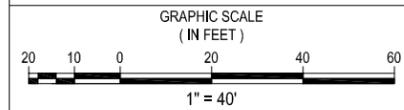


TREE KEY

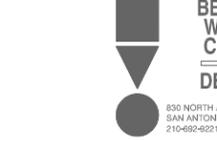
-  EXISTING TREE TO REMAIN PRESERVED W/ TREE PROTECTION FENCING
-  EXISTING TREE TO BE REMOVED (TBR)

TREE FENCING THIS SHEET:
 (APPROX. 2,399 lf)

MATCH TO TP-3




LAWRENCE C. CLARK
 LANDSCAPE ARCHITECT
 1211
 TX REGISTRATION NO. 2016-12-01
 DATE



BENDER WELLS CLARK
 DESIGN
 830 NORTH ALAMO STREET
 SAN ANTONIO, TX 78215
 210-692-9221 FAX: 210-223-8582



CITY OF SAN ANTONIO
 TRANSPORTATION & CAPITAL IMPROVEMENTS

BARBARA DRIVE

ENLARGED TREE PRESERVATION PLAN

TP-2 SHEET 2 OF 13			
SUBMITTAL	PROJECT NUMBER	DATE	
100%	E0384400	11-14-2016	
DRWN BY:	DSGN BY:	CHKD BY:	SHEET NO.
BV	LCC	LCC	77

TREE INVENTORY

Tag #	Size	Species	Understory Species* 5.0" - 11.5"		Significant ee 6" - 23.5"		Significant ee** 10.0" - 23.5"		Heritage 3:1		Heritage 1:1		Floodplain, Buffer or Uplands
			Removed	Preserved	Removed	Preserved	Removed	Preserved	Removed	Preserved	Removed	Preserved	
5031	12	Huisache					12						floodplain
5033	17	Mesquite						17					floodplain
5034	13	Mesquite						13					floodplain
5035	22	Huisache						22					floodplain
5036	15	Mesquite						15					floodplain
5037	18	Oak				18							floodplain
5038	19	Oak				19							floodplain
5039	27	Oak								27			floodplain
5040	17	Oak				17							floodplain
5041	23	Oak				23							floodplain
5042	17	Mesquite						17					floodplain
5070	21	Pecan			21								floodplain
5086	6	Tx Mountian Laurel	6										floodplain
5089	18	Mesquite						18					floodplain
5091	10	Hackberry						10					floodplain
5092	16	Huisache						16					floodplain
5095	12	Mesquite						12					floodplain
5099	12	Pecan			12								floodplain
5103	34	Ash									34		floodplain
5104	15	Mesquite						15					floodplain
5105	15	Hackberry						15					floodplain
5106	16	Oak			16								floodplain
5109	13	Pecan			13								floodplain
5111	16	American Sycamore			16								floodplain
5112	8	Crape myrtle			8								floodplain
5116	10	Crape myrtle			10								floodplain
5118	36	Ash									36		floodplain
5119	30	Ash									30		floodplain
5121	16	Cedar				16							floodplain
5122	20	Mesquite						20					floodplain
5126	33	Live Oak							33				floodplain
5127	24	Live Oak							24				floodplain
5130	38	Ash										38	upland
5131	15	Ash						15					upland
5132	27	Ash										27	upland
5133	27	Ash									27		upland
5140	20	Ash						20					upland
5141	15	Ash						15					upland
5142	15	Ash						15					upland
5144	24	Ash										24	Buffer
5146	10	Mesquite						10					Buffer
5148	10	Oak				10							floodplain
5149	10	Cedar						10					floodplain
5154	24	Ash										24	floodplain
5157	37	Ash										37	floodplain
5163	15	Oak				15							upland
5164	15	Oak				15							upland

PLOTTED ON: \$DATES @ \$TIMES
DESIGN FILENAME: \$FILES

LAWRENCE C. CLARK
LANDSCAPE ARCHITECT
1211
TX REGISTRATION NO.
2016-12-01
DATE

**BENDER
WELLS
CLARK**
DESIGN
830 NORTH ALAMO STREET
SAN ANTONIO, TX 78215
210-692-9221 FAX: 210-223-8582

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL
IMPROVEMENTS

BARBARA DRIVE

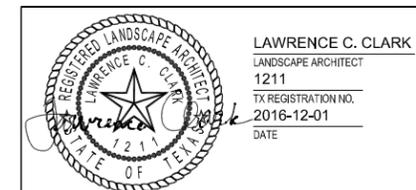
**TREE
INVENTORY**

TP-7 SHEET 7 OF 13

SUBMITTAL	PROJECT NUMBER	DATE
100%	E0384400	11-14-2016
DRWN BY:	DSGN BY:	CHKD BY:
BV	LCC	LCC
		SHEET NO.
		82

PLOTTED ON: \$DATES @ \$TIMES
 DESIGN FILENAME: \$FILES

TAG #	SIZE	SPECIES	Understory Species 5.0" - 11.5"		Significant Tree 6" - 23.5"		Significant Tree 10" - 23.5"		Heritage 3:1		Heritage 1:1		Designation
			Removed	Preserved	Removed	Preserved	Removed	Preserved	Removed	Preserved	Removed	Preserved	
5165	12	Bradford Pear				12							upland
5173	17	Crape myrtle				17							buffer
5176	13	Guajillo				13							floodplain
5177	6	Cedar				6							floodplain
5179	7	Cedar				7							floodplain
5181	8	Cedar				8							floodplain
5182	9	Cedar				9							floodplain
5183	6	Cedar				6							floodplain
5184	8	Cedar				8							floodplain
5186	10	Cypress				10							floodplain
5187	11	Pine				11							floodplain
5188	15	Cottonwood				15							floodplain
5189	7	Pine				7							floodplain
5191	14	Oak				14							floodplain
5192	12	Oak			12								floodplain
5193	14	Live Oak			14								floodplain
5197	6	Crape myrtle				6							floodplain
5198	12	Crape myrtle			12								floodplain
5200	22	Cedar			22								floodplain
5204	18	Oak				18							floodplain
5205	14	Oak				14							floodplain
5206	7	Mexican olive		7									floodplain
5207	6	Crape myrtle				6							floodplain
5208	15	Oak				15							floodplain
5209	17	Crape myrtle				17							floodplain
5212	12	Cedar				12							floodplain
5219	12	Hackberry						12					floodplain
5223	17	Pecan				17							floodplain
5231	12	Ash						12					floodplain
5232	30	Ash									30		floodplain
5235	13	Oak				13							floodplain
5236	28	Oak								28			floodplain
5238	26	Hackberry									26		floodplain
5240	7	Crape myrtle				7							floodplain
5244	18	Palm											floodplain
5245	6	Palm											floodplain
5246	14	Palm											floodplain
5247	12	Palm											floodplain
5248	12	Palm											floodplain
5260	15	Pecan			15								floodplain
5263	6	Crapemyrtle			6								floodplain
5265	8	Crapemyrtle			8								floodplain
5266	28	Huisache						16					floodplain
5267	10	Live Oak			10								floodplain
5268	7	Crapemyrtle			7								floodplain
5269	10	Huisache						10					floodplain
5275	7	Crapemyrtle			7								floodplain
5283	19	Live Oak			19								floodplain
5287	8	Pecan				8							floodplain
5286	24	Live Oak								24			floodplain
5293	30	Mesquite									30		floodplain
5294	8	Crapemyrtle			8								floodplain
5296	6	Live Oak			6								floodplain
5297	13	Hackberry						13					floodplain
5300	11	Hackberry						11					floodplain
5304	14	Hackberry						14					floodplain



BARBARA DRIVE

TREE INVENTORY

TP-8 SHEET 8 OF 13

SUBMITTAL	PROJECT NUMBER	DATE
100%	E0384400	11-14-2016
DRWN BY:	DSGN BY:	CHKD BY:
BV	LCC	LCC
		SHEET NO.
		83

TAG #	SIZE	SPECIES	Understory Species 5.0" - 11.5"		Significant Tree 6" - 23.5"		Significant Tree 10" - 23.5"		Heritage 3:1		Heritage 1:1		Designation
			Removed	Preserved	Removed	Preserved	Removed	Preserved	Removed	Preserved	Removed	Preserved	
7151	14	Hackberry						14					floodplain
7155	30	Mesquite									30		floodplain
7156	16	Hackberry					16						floodplain
7157	12	Pecan			12								floodplain
7158	12	Pecan			12								floodplain
9441	16	Live oak				16							upland
Sub. Tot. Inches=			30	31	793	493	640	303	130	55	286	318	0
Total inches by category=				61		1286		943		185		604	
Preservation percentage=				51%	Significant Preservation		36%	Heritage Preservation		47%			0
Mitigation required (Commercial) =				-6.6	Commercial (inches)		987.2		Heritage Mitigation (inches)		676		
Mitigation required (Residential) =				-9.65	Residential (inches)		-15.85						
<p>No category to fall below 10% preservation; Preserved- ee to remain that meets root protection zone requirements described in section 35-523 of the UDC. Mitigation 1:1 for significant ees below minimum preservation requirements; 3:1 for heritage ees below 100% preservation * Small species: Condalia, Redbud, Tx. Mountain Laurel, Tx. Persimmon, Hawthorn, Possumhaw - these are mitigated at 1:1 for Heritage ees ** Ashe Juniper, Huisache, Mesquite, Arizona Ash, Hackberry protected at 10" dbh and mitigated at 1:1 for heritage ees *** Mitigation ees: Unprotected-sized ees to be used for mitigation calculations; subtract inches from mitigation owed</p>													

PRESERVATION PERCENTAGES:

UPLANDS:
 Total significant =171"
 Preserved =156"
 Removed =15"
 % Preserved =91%
 171x25% = 43" - 156" =113"overage

Total Heritage =144"
 Preserved =117"
 Removed =27"
 % Preserved =81%
 27" to mitigate
 (315x25% = 79"-273" = 194"overage)

BUFFER:
 Total significant =79"
 Preserved =64"
 Removed =15"
 % Preserved =81%
 79"x25% = 20" - 64" =44"overage

Total Heritage =24"
 Preserved =24"
 Removed =0"
 % Preserved =100%
 0" to mitigate

FLOODPLAIN:
 Total significant =2,034"
 Preserved =607"
 Removed =1,427"
 % Preserved =29%
 2,034"x80%=1627"-607" =1020" to mitigate

Total Heritage =621"
 Preserved =232"
 Removed =329"
 % Preserved =37%
 577" to mitigate

MITIGATION NOTE (80%):

MITIGATION REQUIRED	= 1,403"	(1,597" - 194" overage = 1,403")
MITIGATION PROVIDED	= 456"	REFER TO PLANTING PLANS (4" x 114 trees = 456")
MITIGATION PROVIDED	= 7"	EXCESS INCHES FROM PRESERVED UNDERSTORY TREES
MITIGATION PROVIDED	= 210"	NATIVE SEEDING AREA(22,000sf X 50% = 11,000sf / 875 = 12.57trees X 16.7 = 209.9")
MITIGATION TO BE PROVIDED	= 730"	PAYMENT INTO THE CITY TREE FUND

35-523(p) Public Projects. Municipal and utility entities shall obtain a tree permit before any vegetation is removed or new construction activity takes place. Special attention will be given to the preservation of trees in public rights-of-way that are to help satisfy the objectives of the streetscape planting standards of this article (section 35-512). The City Arborist shall approve an application for the reasonable removal of a protected tree connection with construction, maintenance or repair of public facilities in or above a public street, alley, rights of ways, easement or other public land.

35-523(p) Design, Diversity and Desirability. The location of all improvements shall be orientated by the applicant, to the extent the applicant determines possible, in a manner which allows for the preserving of the greatest number of trees and in doing so is encouraged to acquire rights-of-way in such a manner. Applicants are also encouraged to preserve trees to meet the landscape and streetscape standards. Also, as the particular site conditions warrant, the applicant shall preserve a diversity of species.

35-523(k)(5) All offsite staging, storage, project trailers, employee parking, etc. are required to comply with the terms and conditions of the approved tree permit.

35-477(j) It shall be the responsibility of the permit holder to maintain a copy of the tree permit, the data and drawings required by this section, and the conditions of approval imposed by the City Arborist readily available at the site at all times during which the authorized work is in progress.

35-523(k)(4) All broken branches & exposed roots 2" in diameter or greater of Significant, Heritage or mitigation trees shall be cut cleanly. For Oak species, in order to prevent oak wilt infection, wounds must be painted within 30min.

21-170(b) All wounds to the trunk, limbs, and root system of oak trees in the city that expose sapwood shall be painted within 30 min. of the wound with asphaltic, exterior oil or latex based paint.

35-523(k)(2) The barrier shall be in place before any site work is initiated and maintained throughout the construction process.

35-477(5)(c) A pre-construction meeting is required to review procedures for protection and management of all significant, heritage or mitigation trees. This can be scheduled with the Fencing Inspection, 207-1111. Reference AP# provided at permitting.

NOTE:

TREE REMOVALS, INCLUDING ALL CANOPY AND HERITAGE TREES IDENTIFIED FOR REMOVAL ON THE TREE PRESERVATION PLANS, IS SUBSIDIARY TO ITEM 101.1 PREP ROW.



LAWRENCE C. CLARK
 LANDSCAPE ARCHITECT
 1211
 TX REGISTRATION NO.
 2016-12-01
 DATE



BENDER WELLS CLARK
 DESIGN
 830 NORTH ALAMO STREET
 SAN ANTONIO, TX 78215
 210-492-9221 FAX: 210-223-8582



CITY OF SAN ANTONIO
 TRANSPORTATION & CAPITAL IMPROVEMENTS

BARBARA DRIVE

**TREE INVENTORY
 & QUANTITY SUMMARY**

TP-11 SHEET 11 OF 13

SUBMITTAL	PROJECT NUMBER	DATE
100%	E0384400	11-14-2016
DRWN BY:	DSGN BY:	CHKD BY:
BV	LCC	LCC
		SHEET NO.
		86

PLOTTED ON: \$DATES @ \$TIMES
 DESIGN FILENAME: \$FILES

**CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS**

RECEIPT OF ADDENDUM NUMBER(S) 2 IS HEREBY ACKNOWLEDGED FOR PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF **BARBARA DRIVE DRAINAGE PROJECT (McCULLOUGH AVE TO SKIPPER DR) – 23-01398**

FOR WHICH BIDS WILL BE OPENED ON **MONDAY, JANUARY 31, 2016 AT 2:00 PM**

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE BID PACKAGE.

Company Name: _____

Address: _____

City/State/Zip Code: _____

Date: _____

Signature

Print Name/Title