CITY OF EL PASO, TEXAS AGENDA ITEM DEPARTMENT HEAD'S SUMMARY FORM

DEPARTMENT: AGENDA DATE:	Capital Improvement September 14, 2021
CONTACT PERSON/PHONE:	Yvette Hernandez, P.E., CID Director of Grant Funded Programs, 212-1860 Sam Rodriguez, P.E., City Engineer, 212-0065
DISTRICT(S) AFFECTED:	Citywide
STRATEGIC GOAL: No. 7: Enha	nce and Sustain El Paso's Infrastructure Network

SUBJECT:

That the City Council approves a change order in the amount of One Hundred Forty-Six Thousand and Eight Hundred Fourteen and 02/100 Dollars (\$146,814.02) to Allied Paving Company of El Paso, Inc. for the additional installation of median improvements on Airway Blvd under Contract No. 2018-656 Street Median and Parkway Landscape Improvements. This notice provides for the additional scope of work, which allows for additional capacity to the awarded contract. Forty (40) working days will be allowed for the completion of the work. The new contract sum, including this change order notice is Six Million Forty-Four Thousand, Nine Hundred Ninety-Eight and 00/100 Dollars (\$6,044,998.00)

BACKGROUND / DISCUSSION:

This change order is to install protective low profile concrete barrier (LPCB) around the public art structures in the median on Airway Blvd. The LPCB will prevent vehicle damage to the public art structures. The scope of work includes earthwork, installing the LPCB, acid staining the concrete, and relocating the irrigation line so that it is not in conflict with the LPCB. The total amount of the change order is \$146,814.02.

COUNCIL REPRESENTATIVE BRIEFING:

Was a briefing provided? \square Yes or \boxtimes Not Applicable (Routine If yes, select the applicable districts.
☐ District 1 ☐ District 2 ☐ District 3 ☐ District 4 ☐ District 5 ☐ District 6 ☐ District 7 ☐ District 8 ☐ All Districts

PRIOR COUNCIL ACTION:

ΝΙΔ

AMOUNT AND SOURGE Public Art Fund	CE OF FUNDING:
BOARD / COMMISSIO N/A	N ACTION:

DEPARTMENT HEAD:	
Gvette	Hernandez

RESOLUTION

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL PASO:

That the City Council approves a change order in the amount of One Hundred Forty Six Thousand and Eight Hundred Fourteen and 02/100 Dollars (\$146,814.02) to Allied Paving Company of El Paso, Inc. for the additional installation of median improvements on Airway Blvd under Contract No. 2018-656 Street Median and Parkway Landscape Improvements. This notice provides for the additional scope of work, which allows for additional capacity to the awarded contract. Forty (40) working days will be allowed for the completion of the work. The new contract sum, including this change order notice is Six Million Forty Four Thousand, Nine Hundred Ninety Eight and 00/100 Dollars (\$6,044,998.00).

2021

ADOPTED THIS	DAT OF	2021.
		CITY OF EL PASO:
ATTEST:		Oscar Leeser Mayor
Laura D. Prine City Clerk		
APPROVED AS TO FORM:		APPROVED AS TO CONTENT
Omar De La Rosa Assistant City Attorney	_	Yvette Hernandez, P.E. Grant Funded Programs Director

DAVOE

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	TALLER SELECTION		6 jejok(k ₉₀ j.)		A(TCERORE)	EK MANAGER	91 101 101 - 102 - 103
CONSTRUCTION CHAN	NGE ORDER NO.:	22	DATE:	August 31, 2021		X SCOPE CHANGE	
PROJECT:	Street Median	and Parkway Landscap	ing Improvements	SOLICITATION NO.	CSJ 0924-06-498 Solicitation 2018-656	X CONSTRUCTION C	HANGE
	Origin	nal Contract Amount: _\$	6,112,689.90	_	Contract Time	to Subtantial Completion	240
	Net Change by previ	ious Change Orders:	\$342,693.94		Total days added due to C	hange Orders and CQN's	207
Net Cha	nge by previous Constructi	·	(\$557,199.86)	-		led for this Change Order	See below
	Amount of this Constru	otion Change Order:	\$146,814.02	_	New Contract Time to	Substantial Completion:	NA NA
	New Amendo	ed Contract Amount: \$	6,044,998.00	-	Current Substan	tial Completion Due Date_	NA
	Chang	e Order Percentage:	8.01%	<u>6</u>			
CONTRACTOR NAME	i:	Allied Paving Company					
Payment shall include all On Airway Blvd median, - Mobilize, excavate 4", p. approved by City of El Pa - Remove and stockpile I clean landscape rock - Acid stain all LPCB with Changes to Drawings: \$1 Total cost of change: \$1 Time: 40 working days w	I labor, equipment, mai approximately 350 ft solace 4" two sack, place aso, place TMA's acco landscape rock, excaving to color selected by CO eference attached plan 45,814.02 fill be allowed for this w	terials, and fees to compouth of Edgemere Blvd e 32 LPCB Type 1 and error of the feet and removed existing the sheets C1-C5, LG-00 vork. Time charges will	rired to protect public art solete the following: LPCB Type 2 as shown an approved by City of Elig asphalt in conflict with p 1, LD-101, LP-101, LI-101 start as soon as change of for time and money, incl	on attached plans, insta Paso roposed irrigation line, in I to Li-104. Update redli	I traffic control according istall new irrigation line, in nes as required. Engineer.	to contractor's traffic co	entrol plan and replace
	,						
CONSECUTIVE CALENDAR	DAYS ADDED TO COMP	PLETION TIME:	see scope	TOTAL C	HANGE ORDER AMOUNT:	\$	146,814.02
CONTRACTO	R -						
ا، Signature:	SQ VC2 Conditions of this char		A of All	ied favi	Les Confleins	Agree and accept the t	
CITY OF EL F	ASO (OWNER)						
l,	Sam Rodriguez	of the City of El in this form.	Paso hereby authorize an	d direct the Contractor to	proceed with additional	work as described	
Signature:					Date:		
	Sam Rodriguez, P.E.,	City Engineer			Date.		
L		,g					

С	ITY OF EL PAS	O CONSTR	UCTION (CHANGE	ORDER- P	g. 2	
CONSTRUCTION CHANGE OF	RDER NO.: 22	DATE:	August 3		×	SCOPE CHANG	EE
PROJECT:	Street Median and Parkway Lan	dscaping Improvement	SOLICITA		J 0924-06-498 ation 2018-656 X	CONSTRUCTIO	N CHANGE
Project Number_	PCP15TRAN03		Project Number _	PCP15TRAN03	PURCAHSE	ORDER#	CEP35- 1900000058
Class	38170		Class_	38170	_		
Department_ Fund	190 4950		Department Fund	190 4950	_		
Account	580270		Account	580270	_		
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CONTRACTOR NAME:	Allied Paving Com	pany					
completion.							
CONSECUTIVE CALENDAR DAYS A			ee scope	TOTAL CHANGE (<u>\$ -</u>	\$ 146,814.02
	Project Manager rec	_			,		
E	ngineering Division Manager rec	ommends approval:	Margaret	Chron	der		
	Financing De	epartment approval:					

REQUEST FOR PO INCREASE/DECREASE FOR CHANGE ORDER CONSTRUCTION CHANGE ORDER NO.: 22 **DATE**: August 31, 2021 X INCREASE

Street Median and Parkway Landscaping Improvements SOLICITATION NO. CSJ 0924-06-498
Solicitation 2018-656

Project Number PBARTSTRET85 54320

PROJECT:

PURCHASE ORDER # CEP35-190000058

DECREASE

TOTAL CHANGE ORDER AMOUNT: \$146,814.02

	SS 34320	FUNCHASE ORDER # CEP33-1900000036
Departme	ent 454	
Fur		
Accou	· ———	
710000		
CONTRACTOR NAME:	Allied Paving Company	
	AS A DESULT OF THE CHANCE OFFE	D. DI FACE MAKE THE FOLLOWING AD INSTMENT TO THE DUCHASE OPDED.
	AS A RESULT OF THIS CHANGE ORDER	R, PLEASE MAKE THE FOLLOWING ADJUSTMENT TO THE PUCHASE ORDER:
LINE	ADDED AMOUNT	
6	\$ 146,814.02	TOTAL NET CHANGE TO
		PURCHASE ORDER
		146814.02
		(should match cost below)
		Additional funding/direction:

Project Manager Engineering Division Manager recommends approval: Margaret KSchroederContract Compliance _

STANDARD FORM PROPOSAL

CONTRACTING PARTY

city of el paso

CONTRACTOR

ALLIED PAVING COMPANY

5165 Hercules

El Paso TX 79904 Tele: (915) 755-7625

Fax: (915) 755-7628

Joh Na

Job Name: parkway

Job Location

airway revised 8/25/2021

Date: File Name:

email:

Attn: Tele:

Fax

Project: airway revised

This proposal is valid for next 30 days, thereafter subject to change. Contractor proposes to furnish the following items of work. This proposal with all its terms and conditions must become incorporated into any subsequent contract.

ITEM	QUANTITY	UNIT	
1.) mobilization earth work, excavation,embankment, two sack, low profile barrier (720 lf) traffic control, TMA'S	1	ls	\$ 115,833.76
2.) remove and stockpile landscape rock, excavate and remove exsisting asphalt, install new irrigation line, place exsisting lanscape rock	4	Is	\$ 20,980.26
3.) acis stain barrier	1	Is	\$10,000.00
		Total	\$ 146,814.02

Exclusions: Herbicide treatment, permits, landscaping.

PLANS & SPECIFICATION: The work to be done is limited to items described above in this proposal, and any work not specifically listed herein is not part of this proposal or the subsequent agreement. If plans and specifications are attached or this proposal states they will be followed, then they form a part of this contract. In case of conflict between the provisions stated in such plans and specifications and terms within this contract, the terms contained in this form shall govern. Items or work to be furnished by others unless specifically listed above are (1) Site preparation. (2) Paventation or backfill, (5) testing, (6) Grading permit, (7) Layout of building lines and grade, (8) Killing of grass or vegetation, (9) Design and engineering (10) Paint Striping, (11) Blasting, hard pan or rock excavation.

CHANGES: All directions given by the owner or contracting party shall be compensated for as extra work if not specifically included in this original agreement. The officer whose signature appears below on behalf of contractor is the sole person authorized to negotiate change orders, and absent his signature any change orders/agreements are voidable at contractor's option. Contracting party will reimburse second time mobilization cost occasioned by delay / rescheduling or other changes by the owner, or contracting party, or other subcontractor of the Contracting Part. If quantity of work increases over those stated or on plans due to no fault of the contractor, contractor will be entitled to an equitable adjustment.

ARBITRATION: Any controversy / claim arising out of or relating to this contract, or the breach thereof, shall be settled by binding arbitration in accordance with the Construction Industry Rules of the American Arbitration Association, and judgment upon the award rendered by the arbitrators may be entered in any court having jurisdiction thereof. Such Arbitration shall be conducted in El Paso County, Texas with Texas law controlling where the above rules make no provision.

ACCESS TO SITE: Contracting party agrees to close the site to traffic and give to contractor free use of the site and sufficient adjacent grounds for ease of construction, and to provide all necessary permission and clearance to perform the entire work at one time. Contracting Party will notify utility companies for clearance, and provide for the field marking of any underground lines.

STAKING OF WORF In all cases, engineering control and staking (field furnishing of reference points and elevations for line and grade) will be furnished by others; and contractor is not responsible nor liable for the accuracy or absence of such controls.

INDEPENDENT CONTRACTOR: Parties agree jointly that contractor is an independent contractor and is responsible for it's own employees and the accomplishment of the work listed above; and no instruction nor commitment to or from any employees will be considered valid without first gaining approval from contractor's contracting officer whose signature appears below.

EXTENSION OF TIME TO PERFORM: In the event that contractor is delayed in the performance or completion of the work under this agreement by any act, neglect or default of the Contracting Party, the Owner, the architect/ engineer, or any other contractors/subcontractors or workman employed by the Contracting Party or the Owner, transportation delays, acts of God, acts of war, or strikes, or by any circumstances beyond Contractor's control, the time fixed for the completion of the work shall be extended equal to the delay period plus the time it takes to repair the work previously accomplished.

INSPECTION OF WORK: Contracting party shall inspect work daily and immediately notify contractor in writing of any conditions inconsistent with the contract requirements.

ADDITIONAL TERMS AND CONDITIONS are listed on the back or second page, and they are part of this proposal.

WARRANTY: Contractor's work and materials shall be free from failure or defects for a period of one year from date of applications, provided further, any guarantees/ warranties are effective only if the contracting party has complied with all conditions and terms, payment and other provisions of this contract. No warranty against failure or defects in work or materials done by others is implied or stated. Contracting Party agrees to supply, free of expense to contractor, current soil test of the site, which will be relied upon by the contractor: and if no soil test is provided, contractor shall not be held responsible for delays, extra cost, or other damages resulting from poor or improper soil conditions. Contractor is not responsible for

defects in work due to: fills put in by others, underground lines, soil filled by others, expansive soil, sites containing cesspools/septic tank, drainage pipe, irrigation pipe, underground electrical conduit, or obstructions not apparent from an inspection of the surface; underground or surface water or chemical which interfere with the construction of the work or use of finished job; inadequate access to the job site preventing construction equipment from doing the work; and / or failures resulting from neglect or mistreatment by others. The contracting party shall at his own cost and expense procure and maintain insurance against loss or damage by fire, vandalism, or flooding; payable to the owner or contractor to reimburse actual losses. All underground utilities, structures, and obstructions not clearly shown on plans will be repaired by others at no cost to contractor. When the proposed work is placed over base / subgrade prepared by others or over existing pavement, contractor is not responsible for failures or damages attributable to underlying work nor for inefficient drainage caused by others. If driveways or structures are damaged through normal transportation of materials to or from the job, such will not be backcharged to the Contractor. Occasionally grass, weeds, and other vegetation will protrude paving, and contractor is not responsibility for such occurring. Herbicide application is to be done by others. Upon completion of paving, contractor will not be held responsible for deficient surface drainage when the design slope is less then 1/8 inch per foot.

MATERIALS FURNISHED BY OTHERS: Whenever Contracting Party purchases materials directly from outside vendor, and Contractor is providing a price for Equipment with Operators to install the paving, no tax will be due. Additionally, Contractor will use best efforts to minimize waste of materials but will not be backcharged for any waste that occurs. Quality requirements of the materials will not be the responsibility of Contracotr.

PAYMENT: Contracting party promises to pay the contractor monthly installments for 90% value of the work performed. Failure to pay promptly shall result in lien, joint check, escrow of remaining funds, or any other measures deemed necessary by contractor to secure collection. Interest shall be charged to and paid by contracting party on any billings or amounts due over 30 days at the rate of 18% per annum or the highest rate permitted under law. Payment shall be in El Paso, Texas. If at any time before or during performance of the contract, an escrow deposit or letter of credit covering money established at the option of and for the benefit of contractor, as it appears necessary to do so, without impairing other rights of the parties as agreed to in the contract.

DEFAULT: In the event of default by contracting party of any provision of this contract, such party agrees to pay all collection cost, interest from date of default and reasonable attorney's fees. If the work under this contract shall be stopped for a period exceeding 7 days through no fault or act of the contractor or, if contractor should fail to receive within 7 days after its maturity and presentation any sum certified by achitect/engineer or awarded by arbitrators, then contractor may upon 7 days notice in writing to the other stop work and terminate this contract and recover from the payment for all work done and reasonable damages.

LIEN In consideration of contractor doing the work in this agreement, and in order to secure the payment further of said sum due or to become due, the undersigned promises to pay said sums and does hereby grant to it and its assigns, an express contractual lien and then recognize the right of the contractor to a constitutional and statutory Mechanic's Lien on the improvements and on said promises should the Contracting Party be in default hereunder. This lien was given prior to the movement of any materials onto the building site and prior to the commencement of any work by the contractor.

SALES TAX: On commercial remodeling or tax exempt jobs, Sales tax is not included in the prices for work proposed. Contracting Party must pay the additional sales tax, or provide to contractor a valid resale or tax exemption certificatet. New Mexico gross receipts tax are not included

ESCALATOR CLAUSE: Current and anticipated refining costs coupled with other economic factors in the asphalt market have recently resulted in substantially increased asphalt prices. Contractor's asphalt supplier has notified Contractor that additional price increases will be forthcoming and advised Contractor that current prices are only valid for a period. 30 day period. Accordingly, Contractor reserves the right to increase the amount to reflect any increases in asphalt costs which occur prior to the date of actual performance

ACCEPTANCE OF CONTRACT: By signing below, Contracting Party accepts the prices, specifications, and conditions contained herein and hereby issues Notice to proceed. Payment will be for stated prices for work + tax if applicable.

REPRESENTATION OF CONTRACTING PARTY: Contracting party represents that he/she is either the property owner or the owner's representative and that he/she has complete authority to enter into this contract for construction improvements at the above named location. Contractor Allied Paving Co. is relying on this representation as an inducement to perform the improvements for this project.

GUARANTY: As an inducement for extending credit for the above work, it is required that the undersigned individuals, jointly and severally unconditionally guarantee the full and prompt payment due contractor under the above referenced proposal. In the event of default, contractor may seek payment directly from the undersigned before going to the contracting party. The undersigned individual/s agree to remain fully bound in their individual capacity on this guaranty, regardless of any extension, forbearance, or waiver, or release, discharge or substitution of any collateral or security for the debt. This guaranty shall be binding upon and inure to the benefit of the parties, their assigns, and personal representatives.

Contractor.	ALLIED PAVING COMPANY	Contracting Party.
by	Title President.	By Individual Guarantor
	Dated effective this Day of	of (authorized signature & Title)

		115,833.76 115,833.76	⇔ ₩	ESTIMATED CHANGE ESTIMATED UNIT PRICE	ESTIM							
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			17,635.25	644.60	260.00	3,482.40	12,008.25	1,240.00				
				5.00%	10.00%	15.00%	25.00%	25.00%			MARKUPS	
			98,198.51	12,891.91	2,600.00	23,216.00	48,033.00	11,457.60			TOTAL UNIT COST	
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MnHr/Un	480.000		94,132.91 4,065.60	12,891.91	2,600.00	23,216.00	48,033.00	7,392.00 4,065.60	55.00%		DIRECT UNIT COST TAXES ON LABOR	
MAN HOURS	480.00		94,132.91	12,891.91	2,600.00	23,216.00	48,033.00	7,392.00			SUBTOTAL COST	
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			98,198.51	UNIT COST \$							inprovments tion: 2018-656 CSJ 0924-06-498	solicitation: 2018-656 CSJ 0924-06-4
			<u>s</u>	CNIT				ırrier	l: low profile ba	DESCRIPTION: low profile barrier ACTIVITY: 1	a ortiz street median and parkway	ESTM
			_	BID QUANTITY:					1	BID ITEM:	airway	٦

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UNITS/HOUR	0.03	PRODUCTION					ls	UNIT:	2018-656	solicitation
								QUANTITY:	0924-06-498	CSJ
							_	ACTIVITY:		ACTIVITY#
	Is	UNIT					earthwork	DESCRIPTION: earthwork	parkway	project
		BID QUANTITY:					BID ITEM:		airway	location

	T										NTAL	TOTAL										LABOR	TOTAL										2)			ACTIVITY# 7		PROJECT pa	
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							=	Is			LINO	160.00	0.00	0.00	0.00	0.00	0.00	0.00	128.00	32.00	0.00	0.00	32.00	0.00	0.00	0.00	0.00	0.00	32.00	0.00	0.00			.T.	74	7: 7	DESCRIPTION: low profile barrier	BID ITEM:	
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		TOTAL INCEDENTAL COSTS					2 attenuators	1 traffic control			DESCRIPTION	UNITS/MAN HOUR											UNITS/EQUP HOUR										DESCRIPTION		UNIT	ACTIVITY	DESCRIPTION: traffic control		
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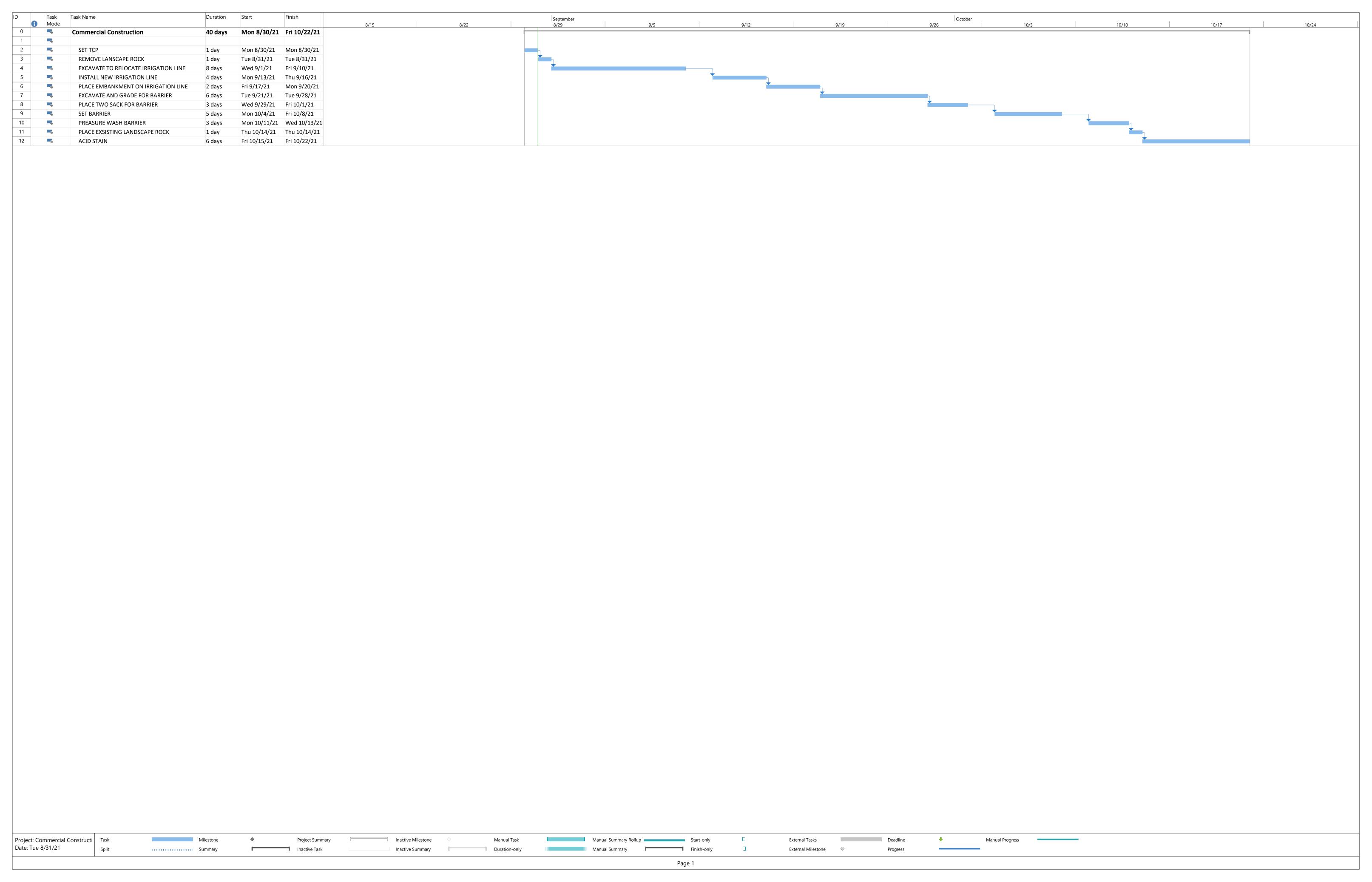
		20,980.26	total	to								
		18,018.80 18,018.80 2,961.46	5% & &	ESTIMATED CHANGE ESTIMATED UNIT PRICE Allied Paving Mark up 5%	ESTIM							
				1,260.00		3,933.00	810.00	12,015.80			UNIT TOTALS	
			1,783.00	60.00		513.00	162.00	1,048.00				
				5.00%	10.00%	15.00%	25.00%	25.00%			MARKUPS	
			16,235.80	1,200.00		3,420.00	648.00	10,967.80			TOTAL UNIT COST	
			16,235.80	1,200.00		3,420.00	648.00	10,967.80		1 labor work for irrigation		
544.001 MnHr/Un	544.001		12,344.00 3,891.80	1,200.00	0.00	3,420.00	648.00	3,891.80	55.00%		TAXES ON LABOR	
MAN HOURS	544.00		12,344.00	1,200.00	0.00	3,420.00	648.00	7,076.00			OC STATE COS	
0.00 mDIV/0!	0.00	4,792.00	4,792.00		0.00	0.00	σ4α. Ο	2,884.00	0.00	ı iistali iingallori	3	m -
	320.00	7,552.00	7,552.00	1,200.00	0.00	2,160.00	0.00	4,192.00	nalt Is	1 excavation removal asphalt	7 0	
				0.00			0.00					
UNITS /MnHr	MAN	COST	TOTAL	SUBCONTRACT	MISC	EQUIPMENT RENTAL	PERMANENT MATERIAL	LABOR	CIN	DESCRIPTION	QUANTITY	ACTIVITY
											CSJ 0924-06-498	CS
			16 235 80	TOO TIVI							solicitation: 2018-656	solicitation
		1 00-12	Ū	2					VITY: 1		street median and parkway	project
			ī <u> </u>	BID QUANTITY:				rication	BID ITEM: 1	DESCRIPTION	george dieter	ESTM

7,552.00	7,552.00	1200	0	2160	0	4192		5	UNIT COST	
7,552.00	7,552.00	1,200.00	ı	2,160.00		4,192.00			TOTAL	
1,200.00	1,200.00	1,200.00		t.		i.		TOTAL INCEDENTAL COSTS	TOTAL INCE	
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1,200.00	150.00	150.00		,	ř	ï	loads	8 huall off asphalt	8 hua	
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	ar.			,	,					
							UNIT	DESCRIPTION	QUANTITY	INCEDENTAL
4,192.00	54.50		*)	1	,	4,192.00	320.00	0.003125 UNITS/MAN HOUR	0.003125 UN	TOTAL
20	1	ı		1	,	1	0.00			
,	,	,	ř	1	i	J.	0.00			
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1,408.00	11.00	,	ij	1	Ţ	11.00	128.00	ors	2 labors	
896.00	14.00		ı	ı	T.	14.00	64.00	excavator operator	1 exc	
864.00	13.50			E	0	13.50	64.00	pipe layer	1 pipe	
1,024.00	16.00	1	a.	1		16.00	64.00	nan	1 forman	
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·				r.		ı	0.00			LABOR
2,160.00	33.75			2,160.00		1	128.00	0.0078125 UNITS/EQUP HOUR	0.0078125 UN	TOTAL
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720.00	11.25	,		11.25	1	1	64.00	1 saw cut machime	1 saw	
1,440.00	22.50	ī		22.50	ŗ.	i.	64.00	excavator	1 exc	
100			1		y.	1	0.00			
	ı	1	1			,	0.00			EQUIPMENT
EXTENSION	TOTAL	SUBCONTRACT	MISC	EQUIPMENT	MATERIAL	LABOR	Hours	DESCRIPTION	NUMBER	CODE
								phalt	3) hual of exsisting asphalt	
								2) excavation and removal of exsisting asphalt	excavation and rem	
HOURS		DURATION:						REMARKS: 1) remove exsisting landscape rock and stock pile) remove exsisting lar	REMARKS
UNITS/HOUR	0.02	PRODUCTION					Is	UNIT	2018-656	solicitation
								QUANTITY	0924-06-498	CSJ
								ACTIVITY:	1	ACTIVITY#
	Is	UNIT:			Ħ	moval of aspha	excavation and removal of asphalt	DESCRIPTION: 6	street median a	project
	_	BID QUANTITY:					BID ITEM:		george dieter	location

4,792.00	4,792.01	0	0	1260.003024	648	2884.006922			UNIT COST		
4,792.00	4,792.00	1	1	1,260.00	648.00	2,884.01			TOTAL		
648.00	648.00	,			648.00			AL COSTS	TOTAL INCEDENTAL COSTS		
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300.00	300.00	,		1	300.00		IS		1 misc, fittings,glue		
348.00	0.87	,	,	i	0.87	7	=		400 1 1/4 pipe		
	r			·							
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							TINU	DESCRIPTION	QUANTITY	INCEDENTAL	
2,884.00	40.50		í		·	2,884.01	224.00	NHOUR	0.00446428 UNITS/MAN HOUR	TOTAL	
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756.00	13.50		,	,	ï	13.50	56.00		1 pipe layer		
896.00	16.00		ı	,	r	16.00	56.00		1 forman		
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		1		r		,	0.00			LABOR	
1,260.00	22.50			1,260.00	13	ı	56.00	UP HOUR	0.0178571 UNITS/EQUP HOUR	TOTAL	
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			Ü			6	0.00				
1,260.00	22.50		ı	22.50	•	ı	56.00		1 excavator		
ı	•		į.	ı	ï	i	0.00				
			ı		r	1	0.00			EQUIPMENT	
EXTENSION	TOTAL E	SUBCONTRACT	MISC	EQUIPMENT	MATERIAL	LABOR	Hours	DESCRIPTION	NUMBER	CODE	
HOURS	56.00	DURATION							REMARKS: 1) install irrigation line 2) re install landscape rock 3) test irrigation line	REMARKS:	
UNITS/HOUR	0.02 L	PRODUCTION					S	UNIT			
							_	QUANTITY:			
							Q	ACTIVITY		ACTIVITY#	
	<u>s</u>	UNIT					install irrgation	DESCRIPTION: install irrelation	JW	ESTM	
	_	BID QUANTITY:					BID ITEM:			PROJECT	

	\$10,000.00		price agreed to								
	11,215.00	€	ESTIMATED UNIT PRICE	ESTIN							
	11,215.00	€9	ESTIMATED CHANGE	ES							
				3.	1,495.00	3,600.00	6,120.00			UNIT TOTALS	
		1,765.00	,		195.00	720.00	850.00				
			5.00%	10.00%	15.00%	25.00%	25.00%			MARKUPS	
		9,450.00		,	1,300.00	2,880.00	5,270.00			TOTAL UNIT COST	
		9,450.00			1,300.00	2,880.00	5,270.00		1 acid stain barrier		
		1,870.00		r	ı		1,870.00	55.00%		TAXES ON LABOR	
240.000 MnHr/Un		7,580.00	0.00	0.00	1,300.00	2,880.00	3,400.00			DIRECT UNIT COST	
240.00 MAN HOURS		7,580.00	0.00	0.00	1,300.00	2,880.00	3,400.00			SUBTOTAL COST	
			0.00	0.00	0.00						
240.00 0.00	7,580.00	7,580.00		0.00	1,300.00	2,880.00	3,400.00	īs	1 acid stain barrier		o o
			0.00			0.00					
MAN UNITS HOURS /MnHr	COST	TOTAL	SUBCONTRACT	MISC	EQUIPMENT RENTAL	PERMANENT MATERIAL	LABOR	CNIT	DESCRIPTION	QUANTITY	ACTIVITY
		9,450.00	UNIT COST \$							improvments tion: 2018-656 CSJ 0924-06-498	solicitation: 2018-656 CSJ 0924-06-4
								. .	ACTIVITY:	street median and parkway	
		<u></u> –	UNIT				rrier	DESCRIPTION: acid stain barrier	DESCRIPTION:	a ortiz	ESTM

	2330	0	1300	2880	3400			UNIT COST	
	2,330.00	1	1,300.00	2,880.00	3,400.00			TOTAL	
1	2,330.00	c		2,880.00			TOTAL INCEDENTAL COSTS	TOTAL INCE	
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	466.00	,	1	,	ı	days	trol	5 traf	
	,	E.	t	48.00	ı	ea		60 acid stain	
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	1	9	1	ī	ī				
						UNIT	DESCRIPTION	QUANTITY	INCEDENTAL
	Е		ı	ē	3,400.00	240.00	ITS/MAN HOUR	0.004166667 UNITS/MAN HOUR	TOTAL
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	10			ī	13.00	160.00	ors	4 labors	
		1	1	ï	15.00	40.00	1 water truck operator	1 wat	
	,	*		ī.	18.00	40.00	nan	1 forman	
	13	t			1	0.00			LABOR
	,	,	1,300.00	,	ı	160.00	0.00625 UNITS/EQUP HOUR	0.00625 UN	TOTAL
		j	,	ï	,	0.00			
		Ú	r	£	1.	0.00			
	110	9.	1	1	1	0.00			
		,	25.00	,		40.00	1 water truck	1 wat	
	į.		2.00			40.00	1 preasure washer	1 prea	
	a	j	2.50	ì	ı	40.00	er	1 trailer	
		,	3.00	,	ı	40.00	1 forman truck	1 form	
	17	ж.		9	1	0.00			
	:1	,	1	1	1	0.00			EQUIPMENT
TOTAL	SUBCONTRACT	MISC	EQUIPMENT	MATERIAL	LABOR	Hours	DESCRIPTION	NUMBER	CODE
								 power wash barrier acid stain barrier 	·
	DURATION							REMARKS: 1) set traffic control	REMARKS: 1
	PRODUCTION:					Is	UNIT	2018-656	solicitation
						_	QUANTITY:	0924-06-498	CSJ
						1	ACTIVITY:	_	ACTIVITY#
	UNIT					acid stain	DESCRIPTION: acid stain	parkway	project
	BID QUANTITY					BID ITEM:	E	airway	location



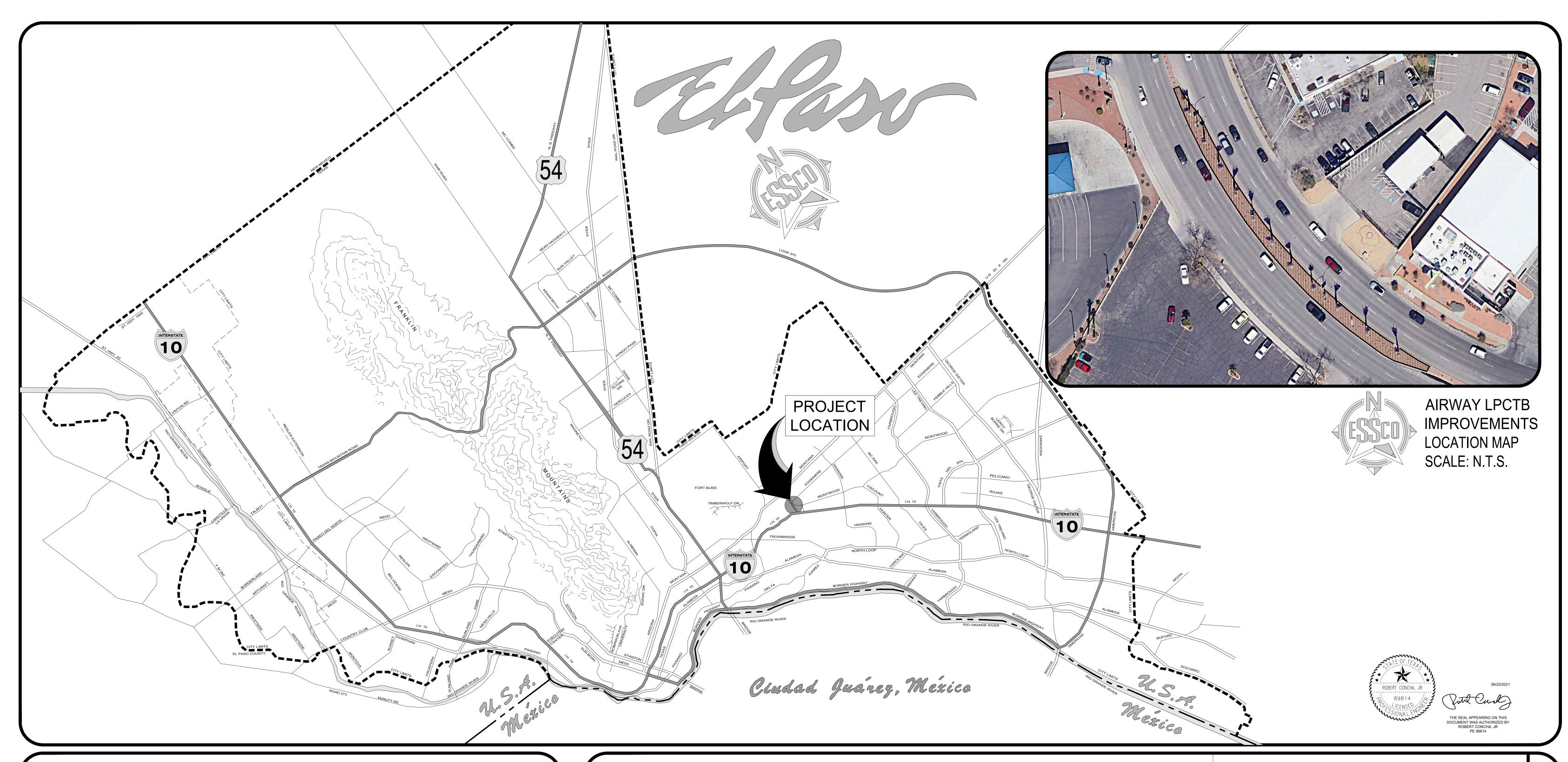
Opinion of Probable Cost Airway LPCB

8/31/2021

Item Description	OPCC	Source
Mobilization/Demobilization	\$ 3,860.00	Designer's OPCC
Earthwork/2 sack		
Traffic Control	\$ 10,500.00	Street Median Bid Proposal (\$7000/corridor/month)
TMA's	\$ 16,500.00	Street Median Bid Proposal (\$275/day)
LPCB	\$ 65,600.00	Designer's OPCC
Landscape Demolition	\$ 1,000.00	Designer's OPCC
Irrigation Installation	\$ 5,000.00	Designer's OPCC
		Based on 2ft x 350ft removal at twice Street Median
		rate for riprap removal - \$18.85/sy (similar approach
asphalt removal	\$ 2,932.00	to CO#8)
		Based on 3 internet sites that said the average cost of
acid stain barrier	\$ 12,225.00	acid staining concrete is \$2-4/sf
TOTAL	\$117,617.00	

^{*}assuming 30 workdays or 6 wks of work

^{**} markups allowed under TxDOT General Conditions 1-9L are not included in above estimate



ESCRIPTION	SHEET NO.
OVER_	
ENERAL NOTES	
<u>TE PLAN</u>	
<u>ETAILS</u>	
ANDSCAPE GENERAL NOTES	
ANDSCAPE DEMOLITION PLAN	
ANDSCAPE PLAN	
ANDSCAPE IRRIGATION PLAN	
ANDSCAPE IRRIGATION AS-BUILT	

AIRWAY LPCTB IMPROVEMENTS

THE CITY OF EL PASO, TEXAS
CAPITAL IMPROVEMENT DEPARTMENT
218 N. CAMPBELL ST. 2nd FLOOR
EL PASO, TX. 79901
TELEPHONE: 915 - 212 - 0065





ESSCO International Inc. - Firm Registration Number: 006959

MIRWAY LPCTB IMPROVEMENTS

GENERAL NOTES:

- 1. THE CONTRACTOR SHALL VISIT AND FAMILIARIZE THEMSELVES WITH THE PROJECT SITE PRIOR TO SUBMITTING BIDS.
- 2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL UTILITIES AS WELL AS SERVICE CONNECTIONS (WHETHER OR NOT INDICATED ON PLANS) PRIOR TO AND DURING CONSTRUCTION. CONTRACTOR TO SUPPORT AND MAINTAIN ALL EXISTING EXPOSED UTILITIES IN SERVICE.
- 3. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO VERIFY LOCATION OF EXISTING UTILITIES AND CONTRACTOR SHALL CALL THE RESPECTIVE "1—CALL" NUMBER FOR SUCH UTILITIES.
 THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ACQUIRING FIELD DEPTHS OF ALL UTILITIES WITHIN THE PROJECT AREAS.
- 4. CONTRACTOR SHALL POTHOLE EXISTING UTILITIES/COMMUNICATION LINES TO ENSURE NO DAMAGE WILL OCCUR FROM CONSTRUCTION.
- 5. THE CONTRACTOR MUST WATER THE CONSTRUCTION AREA A MINIMUM OF TWICE A DAY TO KEEP DUST TO A MINIMUM. ONCE IN THE MORNING AND BEFORE QUITTING TIME. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION AND DUST CONTROL AT THE PROJECT SITE AT ALL TIMES INCLUDING WEEKENDS AND HOLIDAYS.
- 6. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH GAS, ELECTRIC, TELEPHONE, FIBER OPTIC, CABLE TV, SEWER AND WATER UTILITIES OWNERS ETC. FOR ANY RELOCATION AND/OR PROTECTION OF EXISTING LINES OR CABLES AS REQUIRED, DUE TO CONSTRUCTION ACTIVITIES. CONTRACTOR MUST PROVIDE SERVICE AT ALL TIMES.
- 7. THE CONTRACTOR SHALL NOTIFY ALL RESIDENTS AND BUSINESS OWNERS THAT MAY BE AFFECTED BY THE CONSTRUCTION FOURTEEN DAYS PRIOR TO CONSTRUCTION.
- 8. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH THE OWNER, ALL AFFECTED UTILITY COMPANIES, BUSINESS OWNERS, AND ALL OTHER ENTITIES HAVING JURISDICTION OVER THE PROJECT.
- 9. ALL EXISTING ROADWAYS, SIDEWALKS, SIGNS, LANDSCAPING, DRAINAGE STRUCTURES AND DRIVEWAYS AFFECTED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER BY CONTRACTOR AT NO COST TO THE OWNER. ALL BUSINESSES, RESIDENCES, SCHOOLS, ETC. SHALL BE PROVIDED WITH FULL ACCESS AT ALL TIMES, INCLUDING DRIVEWAYS. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN AND SEQUENCE OF CONSTRUCTION FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL NOT BEGIN CONSTRUCTION UNTIL ENGINEER AND CITY OF EL PASO PROJECT MANAGER APPROVE SEQUENCE OF CONSTRUCTION. CONSTRUCTION SHALL BE PHASED SO THAT TRAFFIC WILL HAVE ACCESS TO INTERSECTION SIDE ROADS AND ALLEYWAYS AT ALL TIMES.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASCERTAINING THE NATURE AND EXTENT OF ANY COLLATERAL WORK DONE BY OTHER TRADES. CONTRACTOR SHALL BE AWARE OF ANY AND ALL CONCURRENT WORK IN THE AREA THAT WILL REQUIRE COORDINATION FOR TIE-INS OF THIS WORK. IF NECESSARY TO AVOID OR MINIMIZE DAMAGE OR DELAY, THE CONTRACTOR SHALL REDEPLOY HIS WORK FORCE TO OTHER AREAS OF THE PROJECT AT NO COST TO THE
- 11. VIBRATORY ROLLERS WILL NOT BE PERMITTED ON ANY PHASE OF THIS PROJECT, UNLESS APPROVED IN WRITING BY THE ENGINEER.
- 12. CONTRACTOR SHALL KEEP ALL DEBRIS AND SPOIL OUT OF DRAINS, CULVERTS, AND DROP INLETS AND ENSURE THAT THEY DO NOT BECOME CLOGGED AS A RESULT OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL OBTAIN, IMPLEMENT, AND MAINTAIN SWPPP PERMIT DURING CONSTRUCTION ACTIVITIES.
- 13. THE CONTRACTOR SHALL NOTIFY THE CITY OF EL PASO CAPITAL IMPROVEMENTS DEPARTMENT IN WRITING, OF ANY PROPOSED DUMP SITE(S) FOR OVERBURDEN AND ANY CONSTRUCTION DEBRIS FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL OBTAIN APPROVAL OF ITS HAUL ROUTE TO THE DUMP SITE, AS WELL AS FOR THE MATERIALS IT SHALL BE HAULING BEFORE REMOVAL OF OVERBURDEN FROM PROJECT SITE.
- 14. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A TEMPORARY TRAFFIC CONTROL PLAN (CITY CODE 12.30) TO THE CITY OF EL PASO STREET AND MAINTENANCE DEPARTMENT WITH AT LEAST 2 WEEKS PRIOR TO CONSTRUCTION FOR APPROVAL AND IN NO CASE WILL CONSTRUCTION IN STREET OR STATE R.O.W. OR ADJACENT TO STATE R.O.W. AFTER NORMAL WORKING HOURS AS SPECIFIED IN THE SPECIFICATIONS. TRAFFIC CONTROL SHALL BE COORDINATED WITH STREET AND MAINTENANCE.
- 15. CONTRACTOR SHALL KEEP ALL DRAINAGE STRUCTURES, FACILITIES AND CONVEYANCE SYSTEMS ALONG THE PROPOSED IMPROVEMENTS UNDISTURBED AND IN OPERATION TO THE MAXIMUM EXTENT POSSIBLE. IF AREAS ARE DISTURBED, CONTRACTOR SHALL RESTORE THEM TO THEIR ORIGINAL CONDITION.
- 16. ALL WORK REQUIRED BY THESE PLANS AND SPECIFICATIONS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE CITY OF EL PASO SUBDIVISION ORDINANCE GUIDELINES, PARKS & RECREATION STANDARDS CURRENT SAFETY CODES AND STANDARDS WITH JURISDICTION OVER THE PROJECT, INCLUDING ALL ADA REQUIREMENTS. ANY CONFLICTS BETWEEN THE PLANS AND SPECIFICATIONS AND THE ORDINANCE, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER AND OWNER TO DETERMINE WHICH GOVERNS.
- 17. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, PROTECT, AND REPLACE ALL SANITARY SEWER AND WATER MAINS, FIRE HYDRANTS, SERVICE LINES, AND STORM SEWER SYSTEM AT NO ADDITIONAL COST TO THE CITY OF EL PASO WHEN LINES ARE DISTURBED AS A RESULT OF WORK. SERVICE MUST BE PROVIDED TO USERS AT ALL TIMES.
- 18. WHEN NIGHTTIME WORK IS APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE ADEQUATE LIGHTING FOR THE ENTIRE WORK SITE AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- 19. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE AND PERFORM HIS WORK SO AS TO ASSURE PROPER PASSAGE OF A MINIMUM 10—YEAR STORM DURING THE COURSE OF HIS OPERATIONS. ALL LABOR, TOOLS, EQUIPMENTS, AND SUPERVISION REQUIRED TO ASSURE SUCH PROPER PASSAGE OF RUNOFF WATER AND ANY REMOVAL OR HANDLING OF WATER IN ORDER TO MAINTAIN DRY CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE WORK, AND SHALL BE AT EXPENSE OF THE CONTRACTOR.
- 20. ALL ADJACENT EXISTING PAVEMENT, UTILITIES, STRUCTURES, ETC. DISTURBED AS A RESULT OF THE WORK SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CITY OF EL PASO.
- 21. THE CITY OF EL PASO SHALL BE RESPONSIBLE FOR MATERIAL TESTING AS OUTLINED IN THE GENERAL CONDITIONS IN THE CONTRACT DOCUMENTS. ADDITIONAL TESTING DUE TO FAILURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 22. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE LANDSCAPING UNTIL ACCEPTANCE BY THE CITY.
- 23. NO LANDSCAPING SUBSTITUTIONS SHALL BE ACCEPTED WITHOUT PRIOR APPROVAL FROM CITY OF EL PASO CAPITAL IMPROVEMENT DEPARTMENT PLANNING GROUP.
- 24. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH ALL UTILITIES AND ALL OTHER AFFECTED AGENCIES.
- 25. CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UTILITY LINES BY POTHOLING AND/OR OTHER METHODS AT LEAST 14 DAYS AHEAD OF PIPE LAYING CREWS TO ALLOW THE ENGINEER A REASONABLE AMOUNT OF TIME TO INDICATE ANY NECESSARY CHANGES IN ALIGNMENT AND/OR GRADE OF PIPELINE, AS A RESULT OF CONFLICT.
- 26. THE CONTRACTOR SHALL INFORM THE ENGINEER, AND THE RESPECTIVE UTILITY COMPANIES, WHEN IT BECOMES APPARENT THAT UTILITY LINES WILL INTERFERE WITH WORK IN PROGRESS AND SHALL ALLOW THE RESPECTIVE UTILITY COMPANY TO ENTER THE SITE AND ADJUST AND/OR RELOCATE ITS UTILITY LINE(S). CONTRACTOR MUST ALLOW FOR A MINIMUM OF FIVE DAYS FOR THE UTILITY TO COMPLETE THE RELOCATION AND/OR ADJUSTMENT OF THE UTILITY COMPANY TO ENTER THE SITE. CONTRACTOR SHALL MAINTAIN THE TRAFFIC CONTROL DURING UTILITY ADJUSTMENTS AND/OR RELOCATION WORK.
- 27. ALL EXISTING PAVEMENT, UTILITIES, STRUCTURES, ETC. WITHIN OR OUTSIDE PROJECT LIMIT DAMAGED AS A RESULT OF THE CONTRACTORS OPERATIONS SHALL BE REPAIRED BY THE BY THE CONTRACTOR, TO ORIGINAL OR BETTER CONDITION, AT NO ADDITIONAL COST TOE THE CITY OF EL PASO.
- 28. CONTRACTOR SHALL DISPOSE OF ALL OVERBURDEN, UNUSED MATERIALS, ETC. AS DIRECTED BY THE OWNER.
- 29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND LICENSES AND PAYMENT OF ALL FEES REQUIRED FOR THE INSTALLATION AND OPERATION OF THE IRRIGATION SYSTEM, INCLUDING IRRIGATION METER APPLICATION AND FEES, TO INCLUDE WATER CONSUMPTION DURING CONSTRUCTION.
- 30. ALL NEW UTILITIES SHALL BE LOCATED UNDERGROUND.
- 31. CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM A PRE-CONSTRUCTION & POST-CONSTRUCTION VIDEO TAPE TO INCLUDE BOTH LEVELS, EXISTING ELEMENTS, ADJACENT STREETS, AND ADJACENT BUILDING. THIS VIDEO SHALL BE PERFORMED UNDER THE PRESENCE OF THE CONSTRUCTION INSPECTOR.
- 32. CONTRACTOR SHALL REMOVE ALL DEMOLISHED MATERIALS AWAY FROM OWNER'S PROPERTY AND DISPOSE OF IN ACCORDANCE WITH LOCAL REGULATIONS.
- 33. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATION OF WASTE MATERIALS AND RUBBISH. FINAL AND DAILY CLEANING IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE JOB IS ACCEPTED BY THE OWNER.
- 34. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY EXISTING CONDITIONS THAT CONTRACTOR COULD HAVE ACCOUNTED FOR BY VISUAL INSPECTION OR BY EXAMINATION OF THE INFORMATION PROVIDED OR IN FILE IN THE CONSULTANTS OFFICE PRIOR TO SUBMITTING HIS BID.
- 35. ANY LABOR OR MATERIAL NOT SHOWN ON PLANS OR SPECIFIED BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK, SHALL BE FURNISHED BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNER.
- 36. INTERPRETATION OF DETAILS, METHODS, SPECIFICATIONS, ETC. THE GENERAL CONTRACTOR, SUBCONTRACTOR AND MATERIAL SUPPLIER, SHALL BE HELD SEPARATELY AND JOINTLY RESPONSIBLE FOR THE PROPER OPERATION, WORKMANSHIP, INSTALLED OPERATION, APPEARANCE AND DURABILITY OF ITEMS INCORPORATED INTO THE PROJECT. THE EXCUSE THAT IT WAS INSTALLED AS DETAILED OR SPECIFIED AND IT DOES NOT FUNCTION PROPERLY, IS NOT VALID. IF THE CONTRACTOR IS IN DISAGREEMENT WITH ANY ITEMS, DETAILS, METHODS OR SPECIFICATIONS, HE SHALL NOTIFY THE ENGINEER IN WRITING PRIOR TO THE INSTALLATION OF THE WORK. SUCH MATTERS WILL BE CLARIFIED IN WRITING BY THE ENGINEER, PRIOR TO THEIR INCORPORATION INTO THE PROJECT. AND THE ENGINEER'S DECISION WILL BE FINAL.
- 37. TYPICAL PLANS AND DETAILS COULD HAVE MINOR VARIATIONS, CONTRACTOR SHALL ADJUST ACCORDINGLY TO ACCEPT THESE CHANGES WITHOUT ADDITIONAL COST.
- 38. THE GENERAL CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED.
- 39. THE GENERAL CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR AND EQUIPMENT AS REQUIRED TO COMPLETE ALL WORK AND FURNISH A COMPLETE JOB IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL GOVERNING AUTHORITIES HAVING LAWFUL JURISDICTION OVER THE WORK.
- 40. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR KEEPING ABREAST OF CONSTRUCTION PROGRESS AND WHERE DELAYS HAVE OCCURRED DUE TO CONTRACTOR'S FAULT, MAKE UP THE LOST TIME AT HIS OWN EXPENSE AS NECESSARY TO MAINTAIN THE CONSTRUCTION SCHEDULE.
- 41. WHEN "APPROVED EQUAL", "EQUAL TO" OR OTHER QUALIFYING TERMS ARE USED, IT SHALL BE BASED UPON THE REVIEW AND APPROVAL BY OWNER.
- 42. CONTRACTOR TO OVERSEE CLEANING AND ENSURE THAT THE PREMISES ARE MAINTAINED RUBBISH FREE DURING CONSTRUCTION. DAILY AND FINAL CLEANUP IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE OWNER.
- 43. CONTRACTOR SHALL TAKE PRECAUTIONS AS NECESSARY TO PROTECT EXISTING ELEMENTS THAT WILL REMAIN WITHIN AND OUTSIDE THE PROJECT LIMITS.
- 44. CONTRACTOR SHALL BE RESPONSIBLE TO SUBMIT A MATERIALS SUBMITTAL SCHEDULE DEPICTING ALL MATERIALS TO BE USED.
- 45. AS PART OF THIS PROJECT ALL ILLUMINATION ELECTRICAL SYSTEM(S) WILL NOT BE MODIFIED OR DISTURBED. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE ELECTRICAL SYSTEM AND SHALL BE REPLACED AT NO COST TO THE OWNER.

LIST OF UTILITIES AND AGENCIES

GENERAL UTILITIES (TEXAS 811)
TEXAS EXCAVATION SAFETY SYSTEM SERVICE
11884 GREENVILLE AVE.
DALLAS, TX 75423
(800) 344-8377

ENGINEER:
ESSCO INTERNATIONAL INC.
1000 NEWMAN ST.
EL PASO, TX. 79902
(915) 533-1102
VICTOR H. ENCISO, PE

ELECTRICAL ENGINEER:
BATH ENGINEERING CORPORATION
4110 RIO BRAVO, SUITE 102
EL PASO, TX 79902
(915) 313-7215
LORENZO DE SANTIAGO, PE
LANDSCAPE ARCHITECT AND IRRIGATOR:

4110 RIO BRAVO, SUIT 217 EL PASO, TX 79902 (915) 351-8800 DEBORAH BLEA HRADEK

SIT SOUTHWEST

CITY OF EL PASO
CAPITAL IMPROVEMENT DEPARTMENT
218 N. CAMPBELL ST. 2nd FLOOR
EL PASO, TX. 79901
(915) 216-0950
RICARDO RAMOS

CITY OF EL PASO
INFORMATION TECHNOLOGY SERVICES
218 N. CAMPBELL ST. 3RD FLOOR
EL PASO, TX, 79901
(915) 212-1415
SERGIO A. SOSA

WATER & SEWER:
EL PASO WATER
1154 HAWKINS BLVD.
EL PASO, TX 79925
(915) 594-5647
AMY CASTNER, PE

GAS:
TEXAS GAS
4700 POLLARD ST.
EL PASO, TX 79930
(915) 680-7329
RAMZI SKAF, PE
FRANCISCO CAMPA, PE

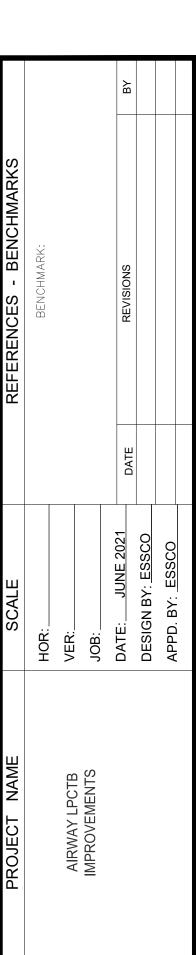
ELECTRIC:
EL PASO ELECTRIC COMPANY
PO BOX 982
EL PASO, TX 79960
(915) 521-4784
RICARDO RODRIGUEZ

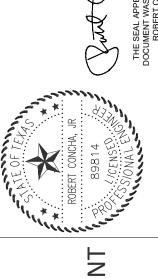
COMMUNICATIONS:
AT&T
1200 PELLICANO RM. 106
EL PASO, TX 79935
(915) 595-5142
DIANA MCKOWN

100 SOUTH CINCINNATI, AVE.
TULSA, OK 74103
(918) 547-0050
ALAN SMITH

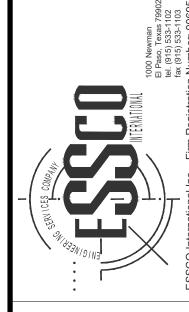
CENTURYLINK COMMUNICATIONS, LLC

CHARTER COMMUNICATION 20 CONCORD ST. SUITE A EL PASO, TX 79906 (915) 775-7415 RAY MENDOZA









SHEET TITLE

GENERAL

SHEET NO.

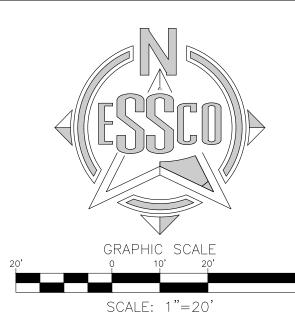
C-2

Know what's below.

Call before you did



Know what's **below.**Call before you dig.



LOW PROFILE CONCRETE BARRIER

EXISTING LIGHT POLE TREE

UTILITY BOX SUBGRADE

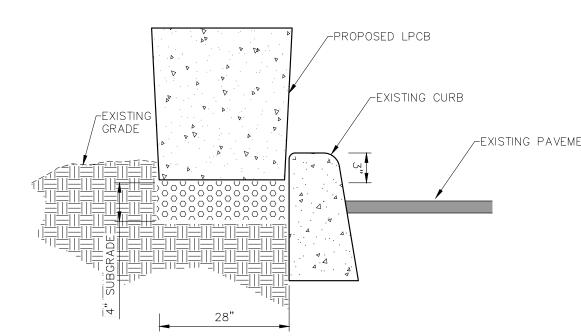
<u>GENERAL NOTES:</u>

- 1. CONTACT UTILITY COMPANIES FOR EXACT LOCATION OF UNDERGROUND UTILITIES IN THIS AREA BEFORE EXCAVATION

 2. USE CAUTION WHEN DIGGING IN THE AREA OF EXISTING ELECTRIC, GAS MAINS,
- EMERGENCY RESPONSE NOTE: THE CONTRACTOR SHALL IMMEDIATELY CALL AND NOTIFY THE EL PASO WATER UTILITIES DISPATCHER AT 594-5775 WHEN A WATER OR SANITARY SEWER MAIN IS BROKEN DURING CONSTRUCTION EXCAVATION AND THE EXTEND OF THE BREAK FOR IMPLEMENTATION OF
- UTILITIES EMERGENCY RESPONSE ACTION PLAN. THE CONTRACTOR SHALL ALSO IMMEDIATELY NOTIFY THE EL PASO WATER UTILITIES FIELD INSPECTOR. 4. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR MUST SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF EL PASO FOR REVIEW AND APPROVAL

CONSTRUCTION NOTES:

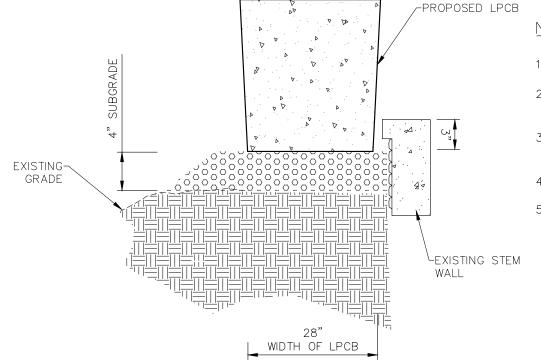
- 1. THE CONTRACTOR SHALL FOLLOW ALL CITY OF EL PASO STANDARDS AND SPECIFICATIONS DURING INSTALLATION INCLUDING PROVIDING AND MAINTAING
- TRAFFIC CONTROL. 2. LOW PROFILE CONCRETE BARRIERS SHALL BE INSTALLED AS PER DETAIL A OR DETAIL B PENDING FIELD CONDITIONS.
- 3. CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.



NOTES:

- PROPOSED LPCB SHALL BE PLACED FLUSH WITH BACK OF EXISTING CURB
 SUBGRADE SHALL BE 4" CLASS II OR CLASS III MATERIAL WITH DENSITY @ 95% PER A.S.T.M. D-1557
 USE CAUTION WHEN DIGGING IN THE AREA OF EXISTING ELECTRIC, GAS MAINS, AT T. T.T.
- AT&T, ETC.
- EMERGENCY RESPONSE NOTE: THE CONTRACTOR SHALL IMMEDIATELY CALL AND NOTIFY THE EL PASO WATER UTILITIES DISPATCHER AT 594-5775 WHEN A WATER OR SANITARY SEWER MAIN IS BROKEN DURING CONSTRUCTION EXCAVATION AND THE EXTEND OF THE BREAK FOR IMPLEMENTATION OF UTILITIES EMERGENCY RESPONSE ACTION PLAN. THE CONTRACTOR SHALL ALSO IMMEDIATELY NOTIFY THE EL PASO WATER UTILITIES FIELD INSPECTOR.

DETAIL A



NOTES:

- PROPOSED LPCB SHALL BE PLACED FLUSH WITH BACK STEM WALL.
 SUBGRADE SHALL BE 4" CLASS II OR CLASS III MATERIAL WITH DENSITY @ 95% PER A.S.T.M.
- D-1557.

 3. SUBGRADE SHALL EXTEND 6" FROM THE EDGE OF LPCB AND TRANSITION AFTER 6" TO MATCH EXISTING GRADE.

 4. USE CAUTION WHEN DIGGING IN THE AREA OF EXISTING ELECTRIC, GAS MAINS, AT&T, ETC.

 5. EMERGENCY RESPONSE NOTE: THE CONTRACTOR SHALL IMMEDIATELY CALL AND NOTIFY THE EL PASO WATER UTILITIES DISPATCHER AT 594-5775 WHEN A WATER OR SANITARY SEWER MAIN IS BROKEN DURING CONSTRUCTION EXCAVATION AND THE EXTEND OF THE BREAK FOR IMPLEMENTATION OF UTILITIES EMERGENCY RESPONSE ACTION PLAN. THE CONTRACTOR SHALL ALSO IMMEDIATELY NOTIFY THE EL PASO WATER UTILITIES FIELD INSPECTOR.





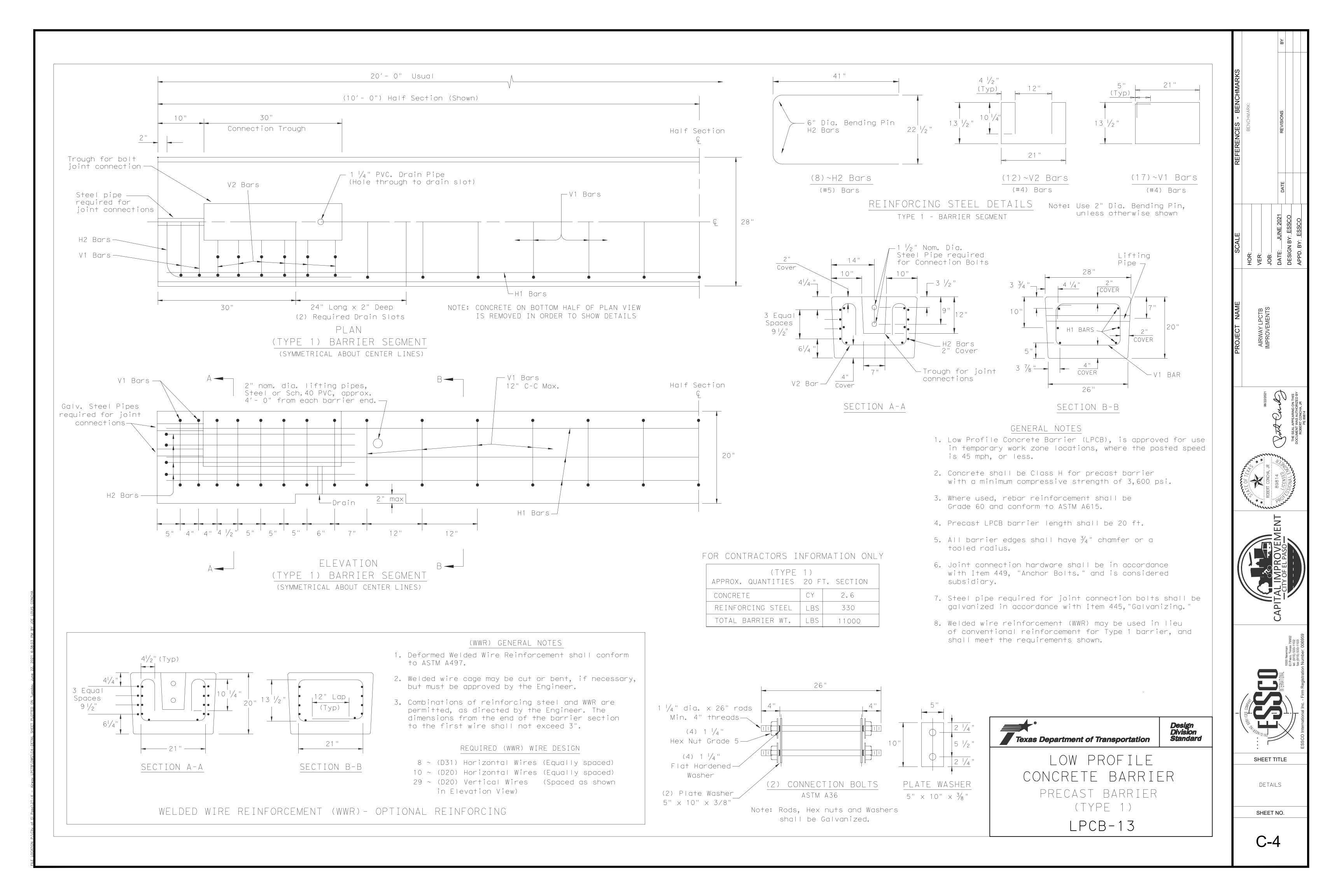


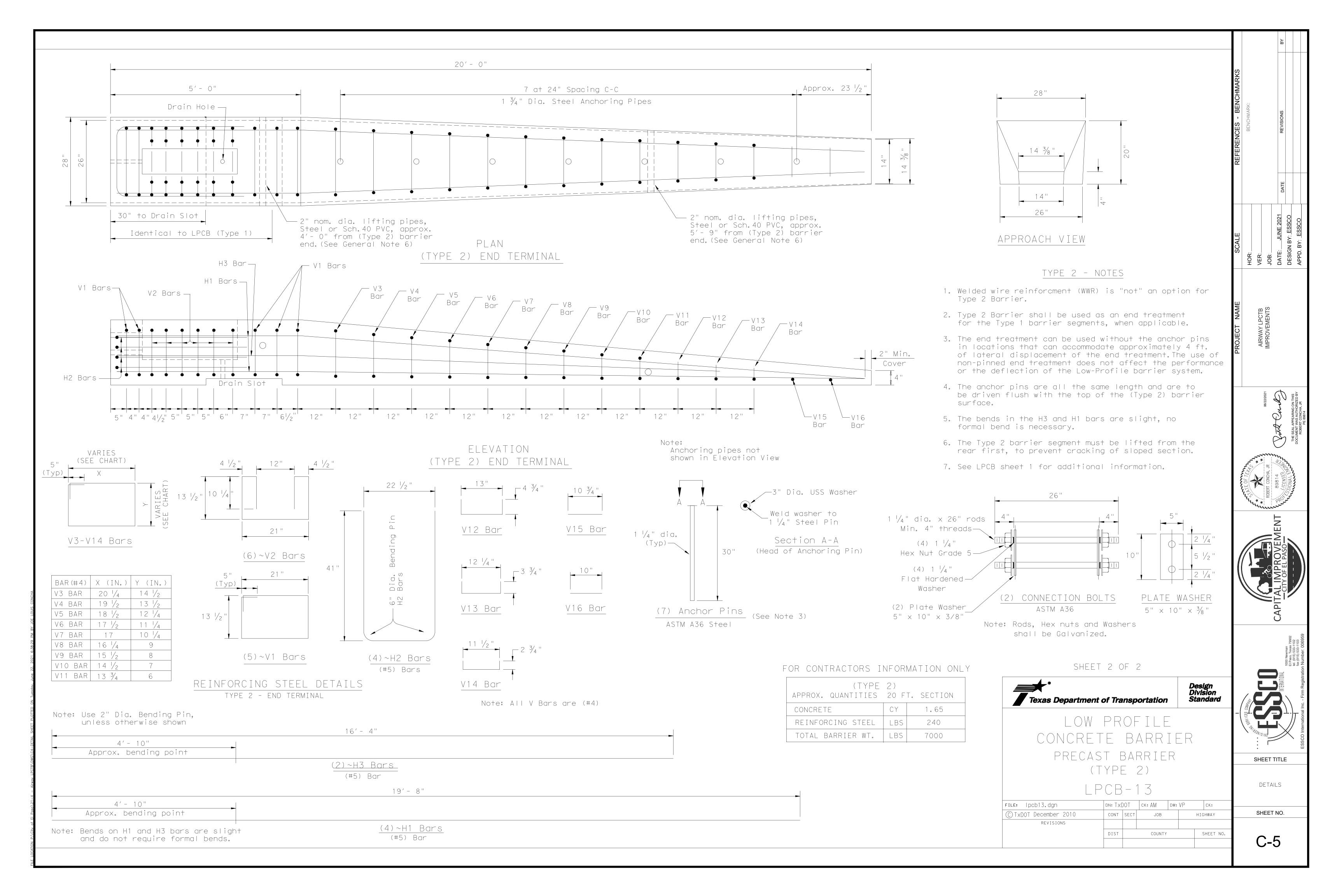
SHEET TITLE

SITE PLAN

SHEET NO.

C-3





GENERAL NOTES

- 1. THESE PLANS SHOW LANDSCAPE ARCHITECTURE CONSTRUCTION DOCUMENTS. THESE ARE NOT TO BE USED FOR STAKING OR SURVEYING LOT BOUNDARIES.
- 2. LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER CONTRACTORS AND SHALL BE FAMILIAR WITH PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE LANDSCAPE ARCHITECT IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN ARE IN CONFLICT WITH THE PROPOSED WORK OF OTHER CONTRACTORS. IF PROBLEMS ARE DISCOVERED, CONTACT LANDSCAPE ARCHITECT TO DETERMINE A COURSE OF ACTION.
- 3. EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION FOR ANY WORK CONTAINED IN THESE PLANS. CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO EXCAVATION. BEFORE YOU DIG. CALL:

EL PASO ELECTRIC COMPANY	(915) 543-5720
SBC	(800) DIG-TESS
TEXAS GAS SERVICE	(915) 544-6300

EMERGENCY HOTLINE (915) 562-8411, (915) 562-2003

EL PASO WATER (WATER & SEWER)	(800) DIG-TESS
SPECTRUM	(915) 267-0254
EL PASO NATURAL GAS CO.	(800) 334-8047
TEXAS EXCAVATION SAFETY SYSTEM	(800) 344-8377

CONTRACTOR SHALL NOTE THAT REQUESTS TO 811 DO NOT ACCOUNT FOR CITY OF EL PASO IT AND FIBER-OPTIC CABLES, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT CITY IT AT 915-212-0072 TO ACCOUNT FOR THE NEEDED SITE DATA.

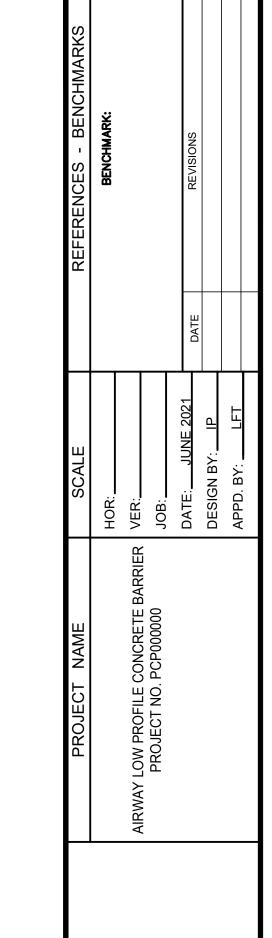
- 4. CONTRACTOR SHALL PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION. KEEP AREAS FREE OF TRASH AND DEBRIS. REPAIR AND RE-ESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS AND PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- 6. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS OF WORK. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- 7. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.

IRRIGATION NOTES

- 1. ANY EXPOSED IRRIGATION PIPE SHOULD BE PROTECTED FROM FREEZE AND UV DAMAGED WITH INSULATED TAPE.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL SITE ELEMENTS & AREAS TO REMAIN. CONTRACTOR SHALL REPLACE IN KIND, ALL ITEMS DAMAGED DURING THE COURSE OF WORK, AS DETERMINED BY THE LANDSCAPE ARCHITECT.
- 3. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED IN WRITING TO THE LANDSCAPE ARCHITECT.
- 4. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- 5. THIS DESIGN IS DIAGRAMMATIC AND FOR GRAPHIC CLARITY. ALL EQUIPMENT SHOWN IN PAVED AREA IS FOR DESIGN CLARITY ONLY AND CONSTRUCTED ELEMENTS AND OBSTRUCTIONS WHETHER NOTED ON THE PLANS OR NOT SHALL BE AVOIDED TO MINIMIZE SLEEVING. EQUIPMENT IS TO BE INSTALLED WITHIN PLANTING AREAS.
- 6. ALL PIPE CUTS SHALL BE MITERED TO 90 DEGREES & ALL BURRS SHALL BE REMOVED PRIOR TO GLUING. PIPE THREE INCHES OR LARGER MUST HAVE FILED BEVELED EDGE A MINIMUM OF ONE FOURTH (1/4) THE WIDTH OF PIPE WALL TO ASSURE A PROPER SOLVENT WELD.
- 7. PIPE SOLVENT WELDING PROCEDURES ON ALL JOINTS SHALL BE SPECIFIED AS FOLLOWS: FIRST USE IPS WELD-ON CLEANER, NEXT USE IPS WELD-ON PURPLE PRIMER P68 OR P70, THEN USE IPS WELD-ON GRAY GLUE #711 HEAVY DUTY. LASTLY, WIPE OFF ALL EXCESS CEMENT AND LET SET AS PER MANUFACTURER'S RECOMMENDATIONS. INSTALL SET TIMES SHALL BE AS FOLLOWS: MIN. OF 5 MINUTES FOR 1/2" TO 1 1/4", 8 MINUTES FOR 1 1/2" TO 2" PIPE AND 2 HRS. FOR 2 1/2" TO 6" PIPE. CURE TIMES SHALL BE AS FOLLOWS: MIN. OF 20 MINUTES FOR 1 1/2" TO 1 1/4" PIPE, 30 MINUTES FOR 1 1/2" TO 2" PIPE, 4 HRS. FOR 2 1/2" TO 6" PIPE. WHEN HUMIDITY EXCEEDS 60%, INCREASE CURE TIME BY 50%. ONCE WELD IS SET, PIPE SHALL NOT BE MOVED FOR ANY REASON UNTIL SET TIMES HAVE BEEN ACHIEVED, WATER SHALL NOT BE TURNED ON UNTIL ALL CURE TIMES HAVE BEEN ACHIEVED.
- 8. SLEEVING PIPE SHALL BE TWICE THE SIZE OF IRRIGATION PIPE BEING CARRIED. PIPE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. DURING CONSTRUCTION SLEEVES SHALL BE EXTENDED 24" BEYOND EDGE OF HARD SURFACES, WRAP ENDS WITH FOUR MIL PLASTIC AND TAPE WITH GOOD QUALITY PLASTIC TAPE, GRAY DUCT TAPE IS NOT ACCEPTABLE.

IRRIGATION DEMOLITION NOTES

- 1. EXISTING CONDITIONS WERE DRAWN USING IRRIGATION AS-BUILTS (MARCH 2018) PROVIDED BY THE CITY OF EL PASO. IT'S CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING CONDITIONS ON SITE MATCH THE DRAWINGS. IF THERE'S ANY DISCREPANCIES, HE SHOULD NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY.
- 2. CONTRACTOR SHALL FIELD VERIFY AND LOCATE EXISTING METER, BACKFLOW, CONTROLLER, AND COMPONENTS TO BE REUSED EXCEPT AS NOTED. CONTRACTOR SHALL ALSO VERIFY AND CONFIRM MINIMUM WATER PRESSURE OF 70 PSI AT POINT OF CONNECTION.
- 3. FIELD LOCATE EXISTING MAIN LINE, REFER TO AS-BUILT LOCATION AS SHOWN ON PLANS.
- 4. EXISTING MAINLINE AND MAILINE COMPONENTS SHALL BE REUSED EXCEPT AS INDICATED.
- 5. EXISTING DRIP EMITTERS OUT OF LIMITS OF WORK SHALL REMAIN IN PLACE.
- 6. REMOVE EXISTING DRIP EMITTERS THAT WILL NOT BE REUSED AND RETURN TO THE CITY OF EL PASO.







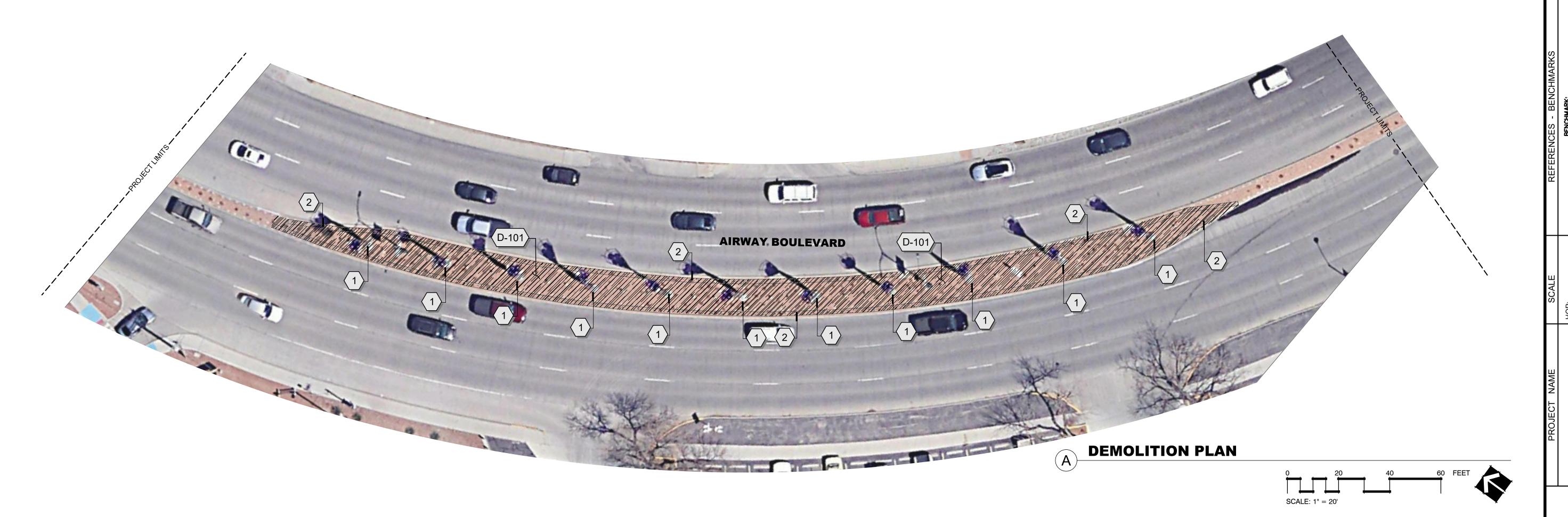
SHEET TITLE

GENERAL NOTES

SHEET NO.

LG-001





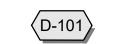
KEYED NOTES

EXISTING SCULPTURE TO PRESERVE AND PROTECT,



PROPOSED LOW PROFILE CONCRETE BARRIER, REFER TO ENGINEERING PLANS.

DEMOLITION DESCRIPTION



EXISTING LANDSCAPE MATERIAL TO BE REMOVED AND DISPOSED UNLESS OTHERWISE NOTED. EXISTING IRRIGATION TO BE ABANDONED AND CAPPED UNLESS OTHERWISE INDICATED, REFER TO IRRIGATION PLAN.

SYMBOL DESCRIPTION

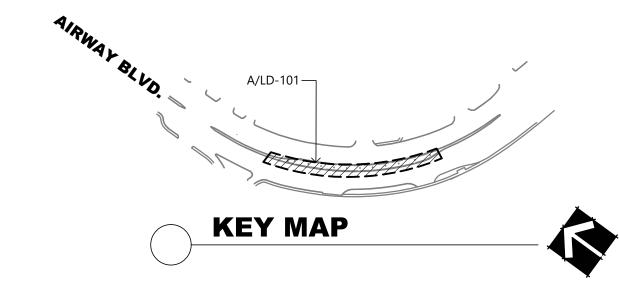
EXISTING ROCK MULCH MATERIAL TO BE REMOVED 5,112 SF AND DISPOSED.

NOTES:

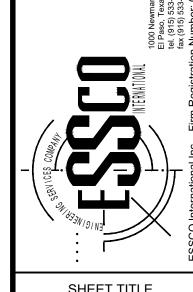
THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL USE EXTREME PRECAUTION WHEN USING HEAVY MACHINERY; ALL VEHICLES ARE PROHIBITED WITHIN TREE DRIP-LINES. REFER TO TREE PROTECTION NOTES.

THE AREAS LISTED ARE STRICTLY APPROXIMATES AND HAVE BEEN PREPARED BY STANDARD BIM CALCULATIONS AND SHALL NOT BE USED FOR BIDING PURPOSES. IT IS UNDERSTOOD THAT THIS IS ONLY AN APPROXIMATE AND THAT THE LANDSCAPE ARCHITECT WILL NOT BE LIABLE TO THE OWNER OR TO ANY THIRD PARTY FOR ANY FAILURE TO ACCURATELY ESTIMATE THE AREAS OF THE PROJECT, OR ANY PART THEREOF. THE AREA TOTALS WERE CREATED BASED ON A 2-D DRAWING AND THE AREAS COVERED DO NOT INCLUDE OR ACCOUNT FOR GRADING AND SLOPE VARIANCES.





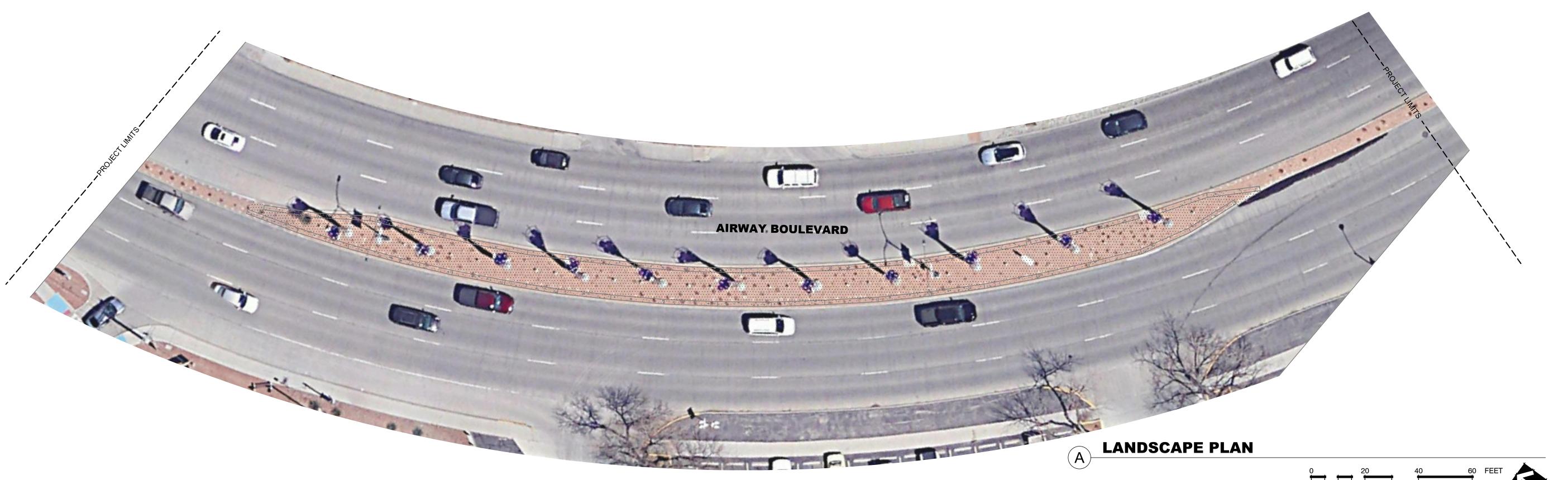


SHEET TITLE

DEMOLITION PLAN

SHEET NO.

LD-101



REFERENCE NOTES SCHEDULE

SYMBOL DESCRIPTION

<u>QTY</u>

3,832 SF

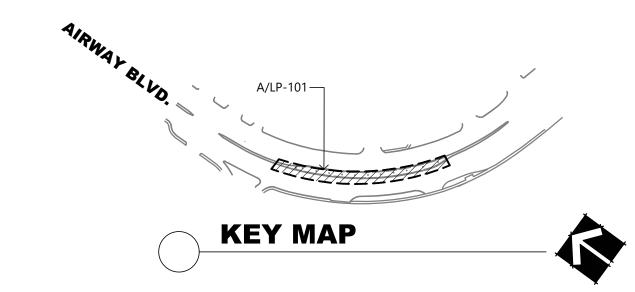
PROVIDE AND INSTALL 3-6" ROCK MULCH, CONTRACTOR TO MATCH COLOR WITH EXISTING ROCK MATERIAL (DESERT GOLD), 6" DEPTH WITH GCI 500 SERIES FILTER FABRIC OR APPROVED EQUAL.

NOTES:

THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL USE EXTREME PRECAUTION WHEN USING HEAVY MACHINERY; ALL VEHICLES ARE PROHIBITED WITHIN TREE DRIP-LINES. REFER TO TREE PROTECTION NOTES.

THE AREAS LISTED ARE STRICTLY APPROXIMATES AND HAVE BEEN PREPARED BY STANDARD BIM CALCULATIONS AND SHALL NOT BE USED FOR BIDING PURPOSES. IT IS UNDERSTOOD THAT THIS IS ONLY AN APPROXIMATE AND THAT THE LANDSCAPE ARCHITECT WILL NOT BE LIABLE TO THE OWNER OR TO ANY THIRD PARTY FOR ANY FAILURE TO ACCURATELY ESTIMATE THE AREAS OF THE PROJECT, OR ANY PART THEREOF. THE AREA TOTALS WERE CREATED BASED ON A 2-D DRAWING AND THE AREAS COVERED DO NOT INCLUDE OR ACCOUNT FOR GRADING AND SLOPE VARIANCES.





AIRWAY LOW PROFILE CONCRETE BARRIER

AIRWAY LOW PROFILE CONCRETE BARRIER

APPD. BY: LFT

APPD. BY: LFT

REFERENCES - BENCHMARK:

BENCHMARK

CAPITAL IMPROVEMENT

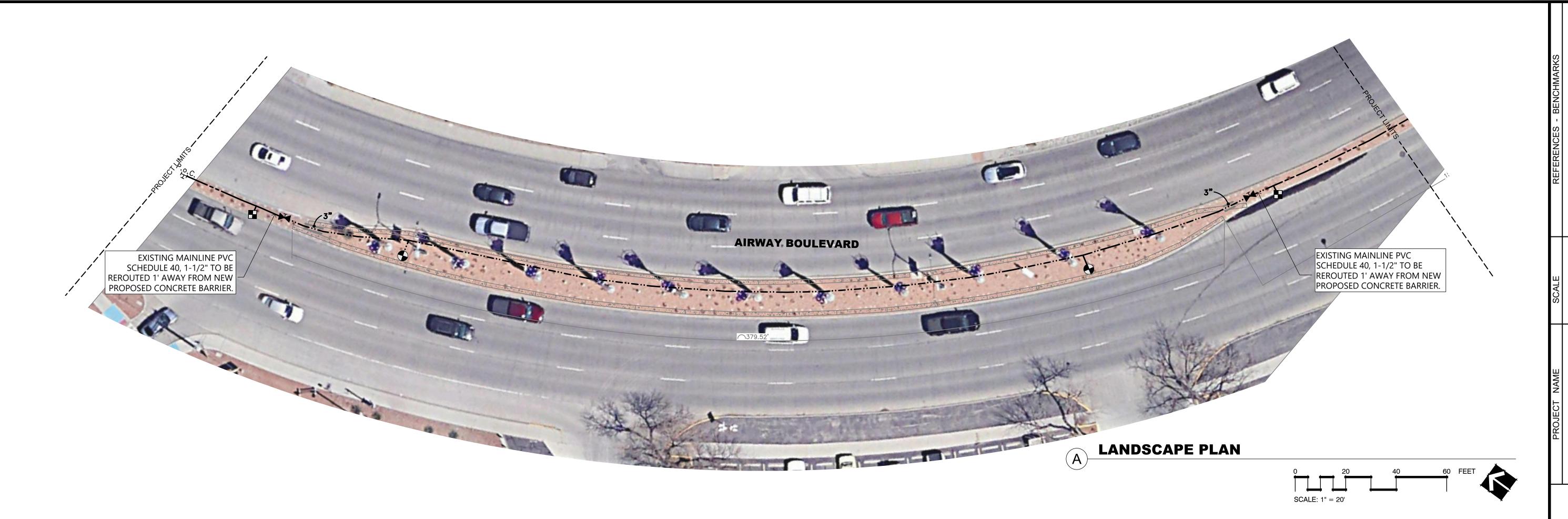
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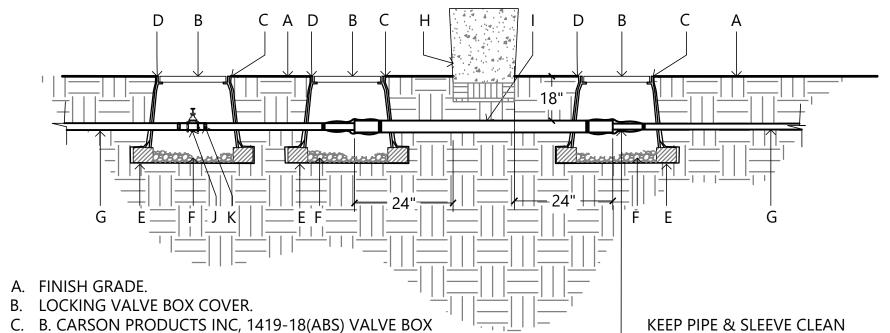
SHEET TITLE

LANDSCAPE PLAN

SHEET NO.

LP-101





B. LOCKING VALVE BOX COVER.

C. B. CARSON PRODUCTS INC, 1419-18(ABS) VALVE BOX WITH BOLT DOWN FLAT LID COVER TO MATCH COLOR OF FINISH MATERIAL AND 8" EXTENSIONS AS NECESSARY.

D. PROVIDE GCI 500 SERIES WEED CLOTH ALONG SIDES AND

BASE OF VALVE BOX.

E. 8" X 8" X 16" CMU SOLID CONCRETE BLOCK. F. 4" LAYER OF 3/8" PEA GRAVEL.

G. MAINLINE.

H. PROPOSED LPCB.

I. NEW PROPOSED PVC IRRIGATION SLEEVE, SEE PLAN.

J. NEW ISOLATION VALVE.

K. FLANGE (3" AND ABOVE) AND UNION (BELOW 3" PIPE

IRRIGATION SLEEVE DETAIL

WEATHERPROOF TAPE (TYP). NOTE: ADD CONTRACTOR SHALL PROVIDE AND INSTALL 18X24 VALVE BOXES AT EACH END OF SLEEVE OR CHANGE OF DIRECTION

NOT TO SCALE

OF DEBRIS. WRAP PIPE ENDS W/

— 4 MIL PLASTIC & TAPE W/ 3M

FOR LATERAL LINES PIPE/WIRE IN TRENCH

MAINLINE AND LATERAL WIRING IN LATERAL SHALL NOT BE PLACED IN THE MIN. 24" MIN. 18" UNDERNEATH MAX. MAX. SAME TRENCH. THE MAINLINE 0 CAUTION TAPE 8" FROM F.G. 0

SECTION VIEW

<u>PLAN VIEW</u> AT 6" BELOW FROM

> ALL SOLVENT WELD PLASTIC PIPING TO BE SNAKED IN TRENCH AS SHOWN

TIE A 24-INCH LOOP IN ALL WIRING AT CHANFES OF DIRECTION OF 30° OR GREATER AND EVERY 200 FEET.

NOTES:

A. BOTTOM OF EXCAVATED TRENCH WHERE NONE ROCKY SOILS ARE EXPOSED (ENCOUNTERED).

B. IRRIGATION SYSTEM PIPING.

C. MINIMUM 4" DEEP BEDDING SANDY SOILS MATERIAL WHERE ROCKY SOILS ARE EXPOSED.

D. IRRIGATION SYSTEM VALVE WIRING.

E. BACKFILL SOILS MATERIAL MAY BE NATIVE SOILS IF IT IS FREE OF CALICHE OR STONES LARGER THAN 1" IN SIZE AND ORGANIC MATTER OR WASTE DEBRIS. SOILS COMPACTION IN TURF AREAS TO BE 80% TO 85% DENSITY BY ASTM D-1557 STANDARD AND AT 85% DENSITY UNDER PAVED OR HARDSCAPE SURFACES.

NOT TO SCALE

IRRIGATION SCHEDULE

SYMBOL MANUFACTURER/MODEL

NEW LOCATION FOR NEW VALVE, CONTRACTOR TO CONNECTED TO EXISTING LATERALS. CONTRACTOR TO VERIFY ALL EXISTING EMITTERS

FROM ABANDONED LINES ARE RECONNECTED. EXISTING CONTROL VALVE TO BE REMOVED AND RETURNED TO STREET AND

NEW PROPOSED ISOLATION VALVE

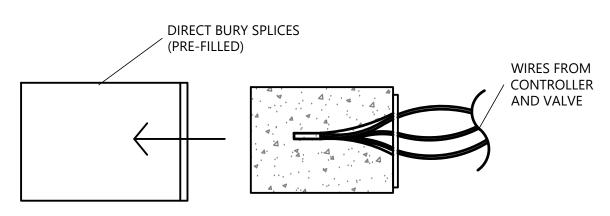
POINT OF CONNECTION 1-1/2"

MAINTENANCE.

EXISTING IRRIGATION MAINLINE: TO PRESERVE AND PROTECT

NEW PROPOSED IRRIGATION MAINLINE: PVC SCHEDULE 40

PIPE SLEEVE: PVC SCHEDULE 40



-THREE STEP OPERATION DBR/Y-6 CONNECTORS ONLY. -WIRE NOT PROVIDED WITH KIT. -TWIST WIRES TOGETHER PRIOR INSERTION.

WIRE SPLICING DEAIL

NOT TO SCALE

NOTES:

SET WIRE BUNDLE

MAINLINE OR AS

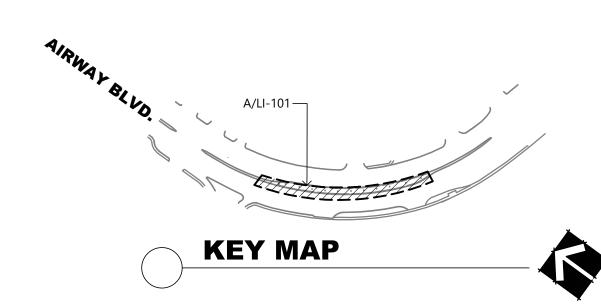
PARKS STAFF.

AGREED TOO WITH

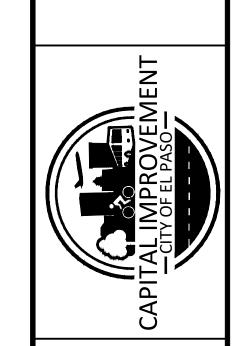
CONTRACTOR TO PROVIDE AND INSTALL ALL ITEMS LISTED IN THE IRRIGATION SCHEDULE UNLESS OTHERWISE NOTED.

CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA AND ADJACENT SITES. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE SUB-CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL ENSURE THE IRRIGATION IS NOT DISTURBED TO THE AREAS OUTSIDE THE SCOPE. IF ANY OF THE WORK TO BE PERFORMED WILL DISRUPT IRRIGATION, THE IRRIGATION OUTSIDE THE SCOPE WETHER INTENTIONALLY OR UNINTENTIONALLY FOR MORE THAN ONE WEEK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE AREAS AFFECTED AT NO ADDITIONAL COST TO THE OWNER.







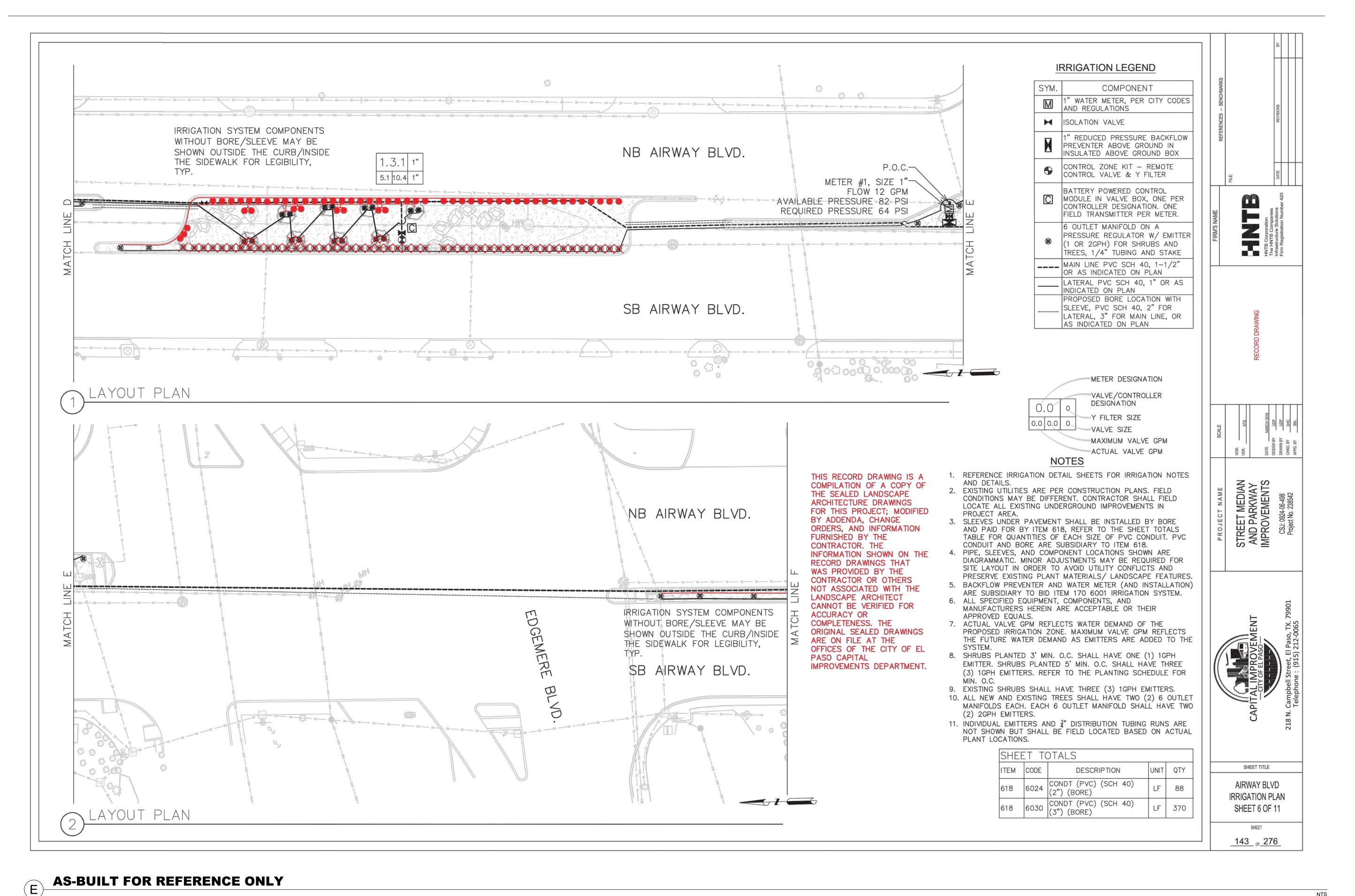


SHEET TITLE

IRRIGATION PLAN

SHEET NO.

LI-101



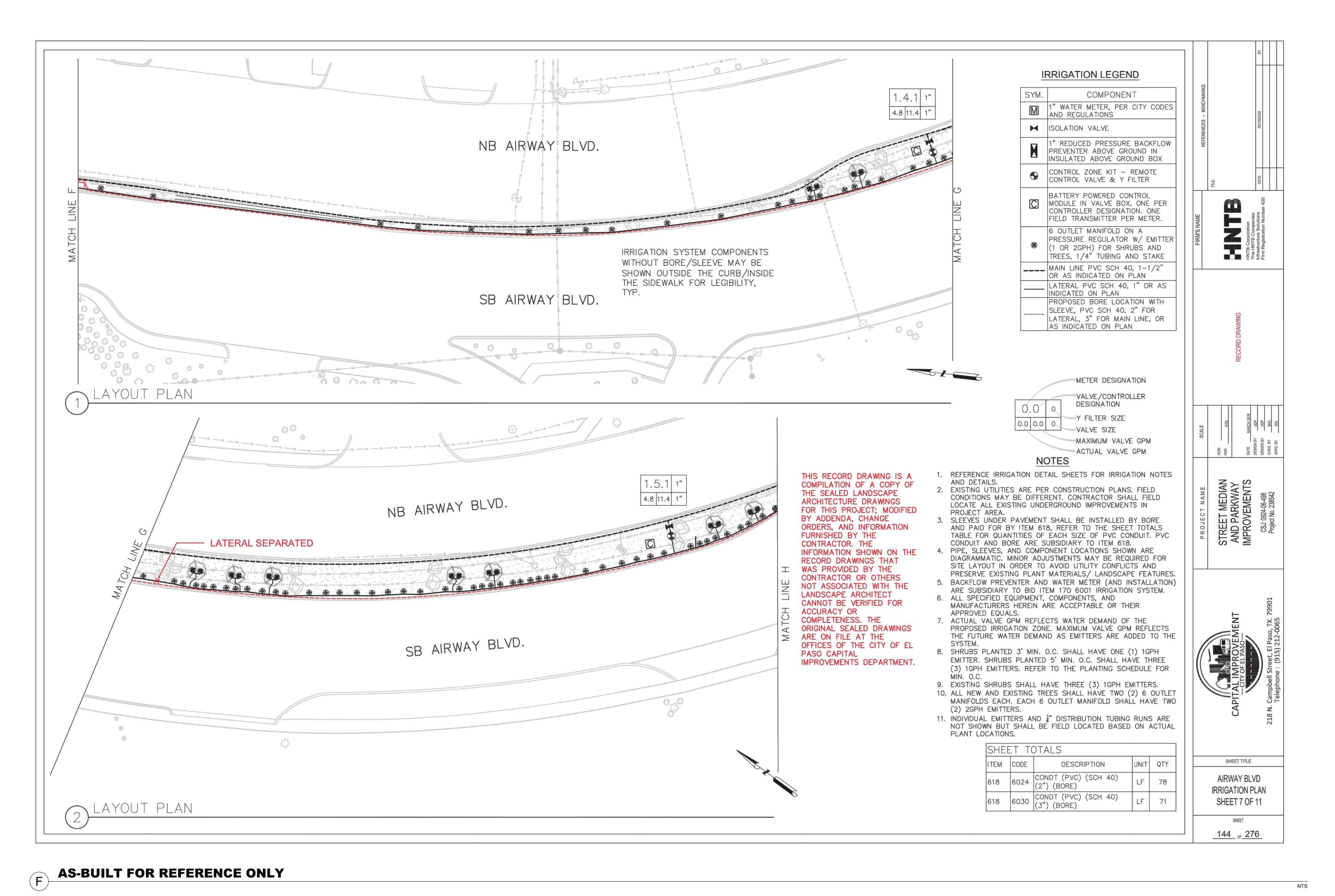
817 OLIVE AVE. | El Paso, TX 79901 915.873.7393 / 915.873.7313 **GREENWAY** www.greenway-studio.com

SHEET TITLE **IRRIGATION**

AS-BUILT

LI-102

SHEET NO.



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AS-BUILT

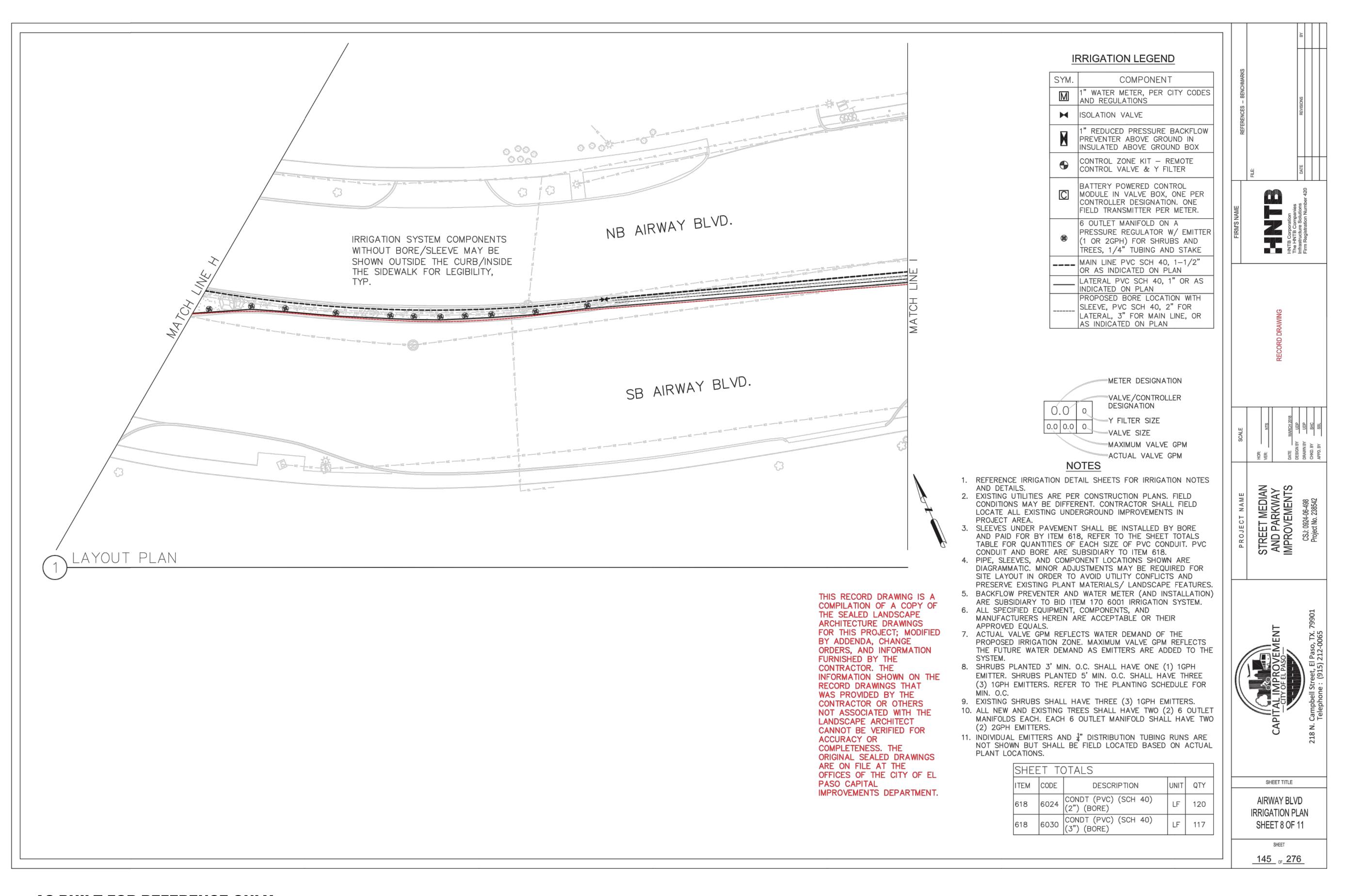
LI-103

SHEET NO.

SHEET TITLE

IRRIGATION

LOW PROFILE CONCRETE PROJECT NO. PCP000000



SHEET TITLE

IRRIGATION AS-BUILT

SHEET NO.

LI-104