27 <u>45' McCOMBS METHOR</u>	SECTION LINE			×	•				مور میں اور م ر			, T	TEXAS	AND P	N 2 ACIF
FOUND	W/CAP "B&A INC"					856	6.65'	<u>S86'5</u>	57'34"	<u>E 13</u>	12.15				
BRASS CAP 18 PUBLIC POND	E				(56						<u> </u>		- <u> </u>	'25"W
TRES SUEÑOS U	162.02				1 PC	18 DND									S2'59
FOURTEEN INST. NO. 2019004500 *P.R.E.P.C.					156125	5, Sq.Ft.	÷								
		471 N86*57'	. ₇₄ ′ 34"W	471	.74'	SET N	NAIL	50.00'	S86*57'3	1"E 202.00' 50.00' (52.00'			25	• <u>L2</u>
2 3 4	5 6 7 8 9 1	0 11 .	12	13 14	15	16	17	289.Ft 289.Ft	56 ± >	29 ¥	5 Sq.Ft. 29"W	8	001	Ŕ	10.00
OTES		(56					101 2350	10.101 15350 15370	101 5350 101	5564 5302	2	C22-	PE P	
BEARINGS SHOWN ARE GRIE OBSERVATIONS TO THE TEX	BEARINGS DERIVED FROM RTK AS CO-OP NETWORK. REFERRED TO T	`HE ∤	<ayl,< td=""><td>A MIA</td><td> Drive</td><td> E</td><td>°o ×</td><td>50.00</td><td>50.00</td><td></td><td>4431 52.00 A MIA</td><td>DRIV</td><td>0.57' Æ</td><td></td><td></td></ayl,<>	A MIA	 Drive	 E	°o ×	50.00	50.00		4431 52.00 A MIA	DRIV	0.57' Æ		
ARE GROUND DISTANCES A BY 1.00020946.	(NAD 83) CENTRAL ZONE. DISTANCE: ND MAY BE CONVERTED TO GRID DIVID	S · ····· DING				1	-22. 8.0	56.29 ¹	56.30'	S86	57'31"E	368.57	0' 41.05		۲
THIS IS TO CERTIFY THAT N PROVIDED TO TRES SUEÑOS	WATER AND SEWER SERVICES WILL BE S UNIT TWENTY-TWO REPLAT "A" BY 1	ГНЕ		~			6 9 9	14418 .a <u> </u>	14422	14426 10' U.E	/ 14430	1443	54 144	38 e	1
EL PASO WATER UTILITIES/ WITH THEIR RULES AND REU THE TEXAS WATER CODE.	PUBLIC SERVICE BOARD IN ACCORDANI GULATIONS AND WITH SECTION 16.343 WATER AND SEWER SERVICES WILL BE	CE OF	12 (55)	13 14	15	16	17	110.0 1 6191 Sc N3"02"2	110.0 110.0 6193 Sc N3.02'2	110.00 6193 Sc N3702'2	110.00 • •	110.00 110.00 5103 Sc	110.00	6633 Sc	2.00'
EXTENDED TO THE SUBDIVIS ON RUSSELL BOREA AVE. A CONSTRUCTED TO SERVE TO	SION FROM EXISTING FACILITIES LOCATE	ED					v	56.28' 56.28'	56.30' 56.30'	56.30' 56.30'	S86'57'31 56.30' 56.30'	1"E 56.3 56.3	0' 61. 0' 61.	.08' 26	26' '26'
TAX CERTIFICATE(\$) FOR THE	HIS SUBDIVISION ARE FILED IN THE OF	FICE	23	22 21	20	19	- 18	.00' 2 2 29"E 2'29"E	0.00' 8 5 Sq.Ft.	0.00' 5 Sq.Ft. 2'29"E	0.00' Sq.Ft.	2'29"E	2,29"E	5 Sq.Ft.	E 272.(
INSTRUMENT No. 20220	013246 DATE 0210 20	02,2	20	22 2.1			10	110 110 130 130	14407	10' U.E	1			663	3'02'29"
RESTRICTIVE COVENANTS FO	OR THIS SUBDIVISION ARE FILED IN THE ERK, DEED AND RECORD SECTION.	e 🔟	ARMA	NDO S	 Silva		Eols	56.28	14423 56.30 AR	$+\frac{144927}{56.30}$	<u>+ 1443</u> 0 SIL'	VA D	$\frac{25}{6} + \frac{144}{41.00}$	39	Ň
INSTRUMENT No. 20220	013250, DATE 02/10/20	<u></u>		······································			R.O.	26"1 26"1 26"1	56 30'	S86	57'31"E 3	568.58'	o' _ 41.05		۲
SUBDIVISION IMPROVEMENTS SUBDIVISION IS FILED IN TH AND RECORD SECTION.	AGREEMENT & GUARANTEE FOR THIS E OFFICE OF THE COUNTY CLERK, DEE	ED					<u>,</u>	14418 ວ ະະ.ພ	14422	14426	14430) 1443 	54 144		1
INSTRUMENT No. 20220	013252, DATE 02/10/20	22	12	13 14	15	16	¹⁷ .216	107.0 1 1022 Sq. 13702'29	107.00 8 024 Sq.)107.00 5 024 Sq. 43'02'29	107.00 •	107.0 107.0	107.0	STR	3.00°
SET 1/2" REBAR WITH CAP BOUNDARY CORNERS UNLES	STAMPED "B&A INC" AT ALL EXTERIO SS OTHERWISE SHOWN. INTERIOR LOT	DR (54)		URTEEN	5005	ц	56.28' 56.28'	56.30' 56.30'	<u>56.30'</u> 56.30'	S86*57*31 56.30' 56.30'	1"E 56.3 56.3	0' <u>61.</u> 0'61.	ADE 180.	9"E 26
ROADWAYS AND UTILITIES.	(BY OTHERS)		07	•	P.RE.P.C.	10	2 , 26	.00' 2 Sq.Ft. 2'29"E	7.00' 8 F Sq.Ft. 7'29"F	7.00' 6 1 Sq.Ft. 2'29"E	7.00' F Sq. Ft.	7.00' Et	12,50 12,50 12,50 12	Sq.Ft.	103'02'2
"U.S. POSTAL SERVICE DELI NEIGHBORHOOD DELIVERY A	VERY WILL BE PROVIDED THROUGH ND COLLECTION BOX UNITS."		23 .	22 21	20	19	13.0.	14419	0 10 805 14423						
THIS SUBDIVISION LIES WITH NO. 480212 0175B, DATED	IN ZONE <u>"X"</u> AS DESIGNATED IN PAN SEPTEMBER 4, 1991, OF THE FLOOD		AF	RIA LO) Pez (l drive		<u>56.28</u> ℃ ≥ ∞	56.30	$\pm \frac{1}{56.30}$			<u>0 +41.08</u>		
INSURANCE RATE MAPS, EL INDICATES AREAS DETERMIN FLOODPLAIN.	PASO COUNTY, TEXAS. ZONE <u>"X"</u> IED TO BE OUTSIDE 500-YEAR						R.O.1	52.0		S86'57	7'31"E 36	8.62'			۲
VEHICULAR ACCESS SHALL PER THE DESIGNATED 10-F	BE RESTRICTED TO RESIDENTIAL LOTS OOT RESTRICTED ACCESS EASEMENT.	AS THE						-14418 barri≯	14422	14426 10′∪.E.−	14430 14430	5 ⁺ 1 ⁵⁶ 33 ≥	84 144 34 144	38 F	
INSTRUMENT ASSURING REL OF THE COUNTY CLERK, . I	EASE OF ACCESS IS FILED IN THE OFF DEED AND RECORD SECTION.	FICE	12	13 14	15	16	17	105.0 1 1912 Sq. 33702'29	105.00 8 912 Sq. 53702	105.0 912 Sq. 3702'29	105.00' 912 Sq.	105.00 105.00 912 Sq.	105.00	325 Sq.	216.0
INSTRUMENT No. 20720	013251 , DATE 02/10/2	<u> 272</u>						56.30' 56.30'	56.30' 56.30'	56.30'	S86*57'31 56.30'	1"E 56.30	0° 61. 0° 61.	.06'	5'02'29"E
RELOCATION AT TIME OF CO	NUMENT. (MAY BE SUBJECT TO DNSTRUCTION. FOR EXACT LOCATION PASO)						-	00' 24.Ft. 29 "W	.00' Sq.Ft. 29"W	.00' 6 Sq.Ft. 2'29"W	, 8 ⁴ -E	A ,00,11	7 7 6 7 1 1 1	s Sq.Ft.	ON
	JMENT.	- v	23	22 21	20	FOUND 1	1/2-	105. 5911 S3702	5911 5911 53707	1162 U.E.	5911	S3'02 105	105 105	6325	
DEED REFERENCE: INST. NO INST. NO. 20150025204, AN PROPERTY RECORDS OF EL). 20110079745, INST. NO. 201200868 ND INST. NO. 20170065866, REAL PASO COUNTY. TEXAS.	76,	RUS	<u> </u>	_ J Borea	⊥''. A AVE		<u>- 14419</u> 56.30	N86°5	<u>+14427</u> 7'31"W		2.55'			19
10' U.E. = 10 FOOT UTILITY	EASEMENT.		9.4.4				52.0	а. О				T			
*R.P.R.E.P.C. = REAL PROP TEXAS.	ERTY RECORDS OF EL PASO COUNTY,	1			18						e	6	-7		0
*P.R.E.P.C. = PLAT RECORD	DS OF EL PASO COUNTY, TEXAS.	2			19		1			4	5	б		8	9
RIGHT-OF-WAY AND EASEN	IENT AGREEMENT.			(36)	20	EOR NDF				(37)			IKES S	MENDIN ST. NO. 20	UN G P 130022
BENCHMARK:					21	RNA	30) 2	9 28	27	26	25	24	*P.R.E 23	. P.C. 22
TY MONUMENT AT POINT OF 08'43'31'E A DISTANCE OF 4 AY LINE OF MONTANA AVENI	CURVE CENTERLINE RICH BEEM BLVD. 67.58 FEET FROM THE SOUTHERLY RIC	, SHT OF		1	2	I 144	- 1	I	l	LINE T	ABLE		ſ	LINE	TAB
EVATION: 4014.90 (NAVD 8	3)		Γ	TOT	AL LO	DTS		q	LINE	BEARIN	G LE	NGTH	LINE	BEAR	ING
SCHOOL DIST	RICT		RE PA	SIDENTIA	L	=12 =1	27	-	L1 L2	N87'00'3	5"W 8 5"E 0	9.95' 9.87'	L17 L18	N03*03 N86*57	'05"E '31"W
12440 ROJAS DR, EL PA	SO, TX 79928		Р0 ТО			=1	29		L3	S02*59'25	5 " W 10	5.00'	L19	N86*57	'31"V
REASON FOR	REPLAT						-		L4 L5	N87'00'3	5″W 17 9″W 52	7.26' 2.00'	L20 L21	N03°02	'29"E '29"F
TO VACATE EXISTING R.O.W. DRIVE AND RUSSELL BOI	(JOHNNY MATA REA AVENUE)		O' REST						L6	S86*57'3	1"E 27	7.07'	L22	S86 ° 57	'31"E
OF THE NEW DEVELOPM	D RE-ALIGNMENT	10 V	EHICUL	AR ACCE	SS				L7 L8	S03*02'29	9"W 11 5"E 45	3.95 ' 5.00 '	L23 L24	N03°02	'29"E '29"V
					SCAL	_E: 1	" =60	00'	L9	S03'02'29	9"W 12	4.43'	L25	S87'00	'35"E
TRES	SUEÑOS								L10	S86*57'3	1"E 38 5"E 9	8.26' 5.00'	L26	\$87°00	'35"E
	NENTY-TWO	N,			, -				L12	S86*57'3	1"E 20	0.00'	L28	S03.02	26"V
	SECTION 27, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAIL ROAD	1 de la companya de la		1	/	, Z			L13	N03'03'0	5"E 52	2.00'	L29	N03*02	'26"E
1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -					FRANKIE LN.				L15	N03.03,0	5"E 19	8.38'	L31	S03'02	29 1
		X			, ,				L16	S86*57'3	1"E 20	0.00'	L32	N86*57	'31"V
									CURVE	RADIUS	C	CURVE T	ABLE	BEARING	
TRES SUEÑOS TRES SUEN					LOPEZ RD.				C1 C2	20.00' 20.00'	31.42' 31.41'	20.00' 20.00'	28.29' 28.28'	N41°57'13" N48°02'47"	W 09 E 08
					 	NISHIP 2. ROAD			C3 C4	20.00' 20.00'	31.42' 9.78'	20.00' 4.99'	28.29' 9.68'	N41°57'13" S72°57'01"	W 09 E 02
		<i>****</i> ********************************			SOLEEN RD.	ock 79, To 'Acific Rall. VY Surveys			C5 C6	20.00' 20.00'	9.78' 31.42'	4.99' 20.00'	9.68' 28.28'	N79'02'03" S41'57'31"	E 02
		т, 🕂				Ton 28, Bl/ CXAS AND P COMPAN			C7 C8	20.00' 56.00'	31.42' 87.91'	20.00' 55.95'	28.28' 79.16'	N48'02'29" S48'00'57"	E 09
		JEÑOS		<u></u> 7			0		C9 C10	400.00 [°] 400.00 [°]	109.89' 109.89'	55.29' 55.29'	109.54 [']	S10'54'39" N10'54'39"	W 01
		ES SUEÑOS		SUENOS L	BUOTS GREE	<u></u>			C11	20.00'	31.42' 31.42'	20.00'	28.28'	N41'57'31"	W 09
				N MARIE ST. H			Ę		C13	20.00	31.42'	20.00'	28.28	N48'02'29"	E 09
				JACOB ST.		D]		C14 C15	20.00'	31.42°	20.00'	28.28' 28.28'	N41'57'31" N48'02'29"	w 09 E 09
				JOSEPH ST.			4		C16 C17	20.00' 20.00'	31.42' 7.63'	20.00' 3.86'	28.28' 7.58'	N41*57'31" S76*05'15*	W 09 E 02
$\mathcal{O} / \mathcal{O} / \mathcal{O}$			Ⅎℿ	ΠΠ		2	P	т	C18	20.00'	1.51*	0.75'	1.51'	S63'00'18"	E 00



TRES SUENOS UNIT TWENTY-TWO REPLAT "A"

A REPLAT OF A PORTION OF RUSSELL BOREA AVENUE RIGHT-OF-WAY AND JOHNNY MATA DRIVE RIGHT-OF-WAY IN TRES SUEÑOS UNIT EIGHT AMENDING PLAT, AND A PORTION OF SECTION 27, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILROAD COMPANY SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS. CONTAINING 29.87 ACRES ± DEDICATION

Tropicana Development Inc., the owners of this land, do hereby present this map and dedicate their respective portions of property to the use of the public, the streets, ponding area, park, pedestrian right-of-way, drainage right of way and utility easements as hereon laid down and designated, including easements for overhang of service wires for pole type utilities and the right for installation of service poles alongside lot lines as may be required, easements for buried service wires, conduits and pipes for underground utilities, and the right to ingress and egress for service and construction, and the right to trim interfering trees and shrubs.

_day of January

_20<u>22</u>.

Notary 1D 132105

Witness my signature this_12 +n

KIBAR R.L. Bowling, III, Presider

ACKNOWLEDGEMENT

STATE OF TEXAS COUNTY OF EL PASO

Before me, the undersigned authority, on this day personally appeared R.L. Bowling, III, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same as the act and deed for the purpose and consideration herein expressed.

day of January _20 az Given under my hand and seal of office this Maria E. Duras Contraction of the second 07-29-2023 MARIA E. TE E Notary Public, State Notary Public in and for El Paso County -My Commission Expires Comm. Expires 07-2

CITY PLAN COMMISSION

ZA-ZA-JA Executive Secretary

This subdivision is hereby approved as to the platting and as to the condition of the dedication in cordance with Chapter 212 of the Local Government Code of Texas this 11th day of November

for filing this 27th day of January Dr. Dr. Dhine Prections Director

FILING

Filed and recorded in the office of the County Clerk of El Paso County, Texas, this of February_ 2022 in File No. 20220013245 of the Plat Records

Wilia Diener FOR RECORDING PURPOSES ONLY County Clerk

ENGINEER

Subdivision improvement plans prepared by and under the supervision of CEA Group.

1-7-2022 $\sim \sim$ JORGE L. AZCARATE, P.E. Licensed Professional Engineer Texas License No. 85075 \bigstar JORGE L. AZCARATE 85075

OK /CENSED

813 N. Kansas St.

El Paso, TX 79902

915.544.5232

Suite 300

Benito Barragan TX, R.P.L.S. No

Standards.

Arminda Amaya

This plat represents a survey made on the ground by me or under my supervision and complies with

the current Texas Board of Professional Engineers

and Land Surveyors, Professional and Technical

by Deputy



ENITO BARRAGA

CONTACT: BENITO BARRAGAN, R.P.L.S.

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(7)

RANKIE LANE

TRACT 3-A-389

TRACT 3-A-45

ณ์บิ

COMP

79, 74D

BLOC

PAC

TRACT 3-A-128 냈 🗸

SOLEEN ROAD

TRACT 3-Z

JOHNNY MATA DRIVE

N86"57'31"W 188.78'

-TEMPORARY TURNAROUND EASEMENT AS PER

TRES SUEÑOS UNIT EIGHT AMENDING PLAT, TO BE VACATED BY THIS PLAT

LOPEZ ROAD

TRACT 3-A-125

G C D Www.ceagroup.net TEXAS REGISTERED ENGINEERING FIRM F-4564 CONTACT: JORGE L. AZCARATE, P.E.

TRES SUEÑOS UNIT TWENTY-TWO REPLAT "A" SUBDIVISION IMPROVEMENTS



OWN ENG SUR LEGAL DESCRIPTION A REPLAT OF A PORTION OF RUSSELL BOREA AVENUE RIGHT-OF-WAY AND JOHNNY MATA DRIVE RIGHT-OF-WAY AND A PORTION OF SECTION 27, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILROAD COMPANY SURVEYS, CITY OF EL PASO, EL PASO COUNTY, TEXAS

CONTAINING 29.87± ACRES

SHEET NUMBER	SHEET TITLE
CVR	COVER SHEET
C1.1	GENERAL INFORMATION
C2.1	FINAL PLAT
C3.1 & C3.2	GRADING PLAN & PARK DESIGN PLAN
C4.1 & C4.2	DRAINAGE PLAN
C5.1–C5.3	GRADING SECTIONS
C6.1-C6.13	STREET PLAN & PROFILES
C7.1–C7.4	STORM SEWER PLAN & PROFILES
C8.1	POND DESIGN PLAN
C9.1–C9.3	STANDARD DETAILS
C10.1, C10.5	DRAINAGE DETAILS
C11.1 & C11.2	ILLUMINATION PLAN
C12.1	WATER INDEX / GENERAL INFORMATION
C12.5-C12.5	WATER DETAILS
C13.1	SANITARY SEWER INDEX / GENERAL INFORMATION
C13.2-C13.6	SANITARY SEWER PLAN & PROFILES
C13.7-C13.9	SANITARY SEWER DETAILS
C14.1-C14.3	STORM WATER POLLUTION PREVENTION PLAN
L1–L7	LANDSCAPE AND IRRIGATION PLANS



JORGE L. AZCARATE, P.E. PROJECT MANAGER



813 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5232

G C D Www.ceagroup.net

TEXAS REGISTERED ENGINEERING FIRM F-4564

PRINCIPAL CONTACTS:

	NAME	ADDRESS	CITY & ZIP	PHONE	FAX
NER: _	G. BOWLING ENTERPRISES,	LLC. 4712 WOODROW BEAN, STE. A	EL PASO, TX 79924	(915) 757–1802	(915) 757–1827
SINEER: _	CEA GROUP	813 N. KANSAS STREET, STE. 300	EL PASO, TX 79902	(915) 544–5232	
₹VEYOR: _	BARRAGAN & ASSOCIATES	10950 PELLICANO DR. BUILDING F	EL PASO, TX 79935	(915) 591–5709	(915) 591–5706
NEER: _ VEYOR: _	CEA GROUP BARRAGAN & ASSOCIATES	813 N. KANSAS STREET, STE. 300 10950 PELLICANO DR. BUILDING F	EL PASO, TX 79902 EL PASO, TX 79935	(915) 544–5232 (915) 591–5709	(915) 59







Reviewed For Conformance For Condition Related To:

•	_Sidewalk	
~	- Creding & During as	

- Grading & Drainage
- On Site Parking Layout
- Contractor Must Call 24 Hours Prior To Construction for Inspections

Oscar Romero Villalobos

____Retaining Rock Walls

- On site Ponding of Storm Waters
 - ections

09/22/2021
Date

CJ'J	rsos/ss/go JTAQ	Oscar Villalobos	
SHEET NO.		LEXVE	
GENERAL INFORMATION	SVA		
SHEET TITLE			
TRES SUEÑOS UNIT TWENTY REPLAT "A" SUBDIVISION IMPROVEMENTS	8.213.8 .C13.8 .C14.13 .C14.13 .C14.13 .C14.13 .C14.13 .C14.13 .C14.13 .C14.13 .C14.13 .C14.13 .C14.13 .C13.6 .C13.8 .C14.2 .C14	SANITARY SEWER DETRILS (SHEET 2 OF 3) SANITARY SEWER DETRILS (SHEET 3 OF 3) SANITARY SEWER DETRILS (SHEET 3 OF 3) STORM WATER POLLUTION PREVENTION PLAN: GENERAL NOTES STORM WATER POLLUTION PREVENTION PLAN: SITE PLAN. STORM WATER POLLUTION PREVENTION PLAN: SITE PLAN. STORM WATER POLLUTION PREVENTION PLAN: DETRILS. SITE MAP, SHEET INDEX, NOTES. PLANTING AND MATERIALS PLAN. PLANTING AND MATERIALS PLAN. CONSTRUCTION DETRILS. CONSTRUCTION DETRILS.	6.90
	4.213. 8.213. 8.213. 7.313.	SANITARY SEWER PLAN & PROFILE: LINE C, K & L	9.9ጋ 7.9ጋ 8.9ጋ
SCALE prizontal: ertical: ontour Interval:_N/A ATE: <u>SEPTEMBER_2021</u> ESIGN BY:G.J.M. ESIGN BY:G.J.M. RAWN BY:F.Z. HKD. BY:F.Z. HKD. BY:J.L.A. DPVD. BY:J.L.A. DB No2000-228	۲.212. ک.ک.ک. ک.ک.ک ک.ک.ک	WATER DETAILS (SHEET 4 OF 4). WATER DETAILS (SHEET 4 OF 4). SANITARY SEWER PLAN & PROFILE: LINE A, F & I. SANITARY SEWER PLAN & PROFILE: LINE B & H.	۲.80 Σ.80 δ.80 β.80
ENGINEER'S SEAL	2.112. C.12.2 2.212. C.2.3 	MATER DETAILS (SHEET 1 OF 4).	r.40 2.40 c.50 2.30 5.30
TEXAS REGISTERED E	1.010. 2.010. 5.010. 4.010. C10.5	DRAINAGE DETAILS (SHEET 1 OF 5). DRAINAGE DETAILS (SHEET 2 OF 5). DRAINAGE DETAILS (SHEET 3 OF 5). DRAINAGE DETAILS (SHEET 5 OF 5). DRAINAGE DETAILS (SHEET 5 OF 5). DRAINAGE DETAILS (SHEET 5 OF 5).	яvэ г.гэ г.сэ г.сэ
813 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5232 D www.ceagroup.net GINEERING FIRM F-4564			CHEEL NO
REFERENCES CITY MONUMENT AT POIN BEEM BLVD., S08'43'31" FROM THE SOUTHERLY R MONTANA AVENUE. ELEVATION: 4014.90 (NA DATE RE			
3 - BENCHMARKS NT OF CURVE CENTERLINE RIC A DISTANCE OF 467.58 FEE RIGHT OF WAY LINE OF VD 88) (4005.40 CITY DATU EVISIONS BY	FOR FIELD LOCATING EXISTING UTILITES BEFORE AND DIG BEFORE AND DIG BEFORE AND DIG	EL PASO ELECTRIC COMPANY (915) 543-5720 EL PASO ENERGY CORPORATION (915) 544-5500 MCI SURVEILLANCE (800) MCI-WORK MCI SURVEILLANCE (800) MCI-WORK MCI SURVEILLANCE (800) 551-0579 SBC (800) 551-0579 AT&T (800) 551-0579	

NOIL

STANDARD DETAILS (SHEET 3 OF 3).

STANDARD DETAILS (SHEET 2 OF 3).

STORM SEWER PLAN & PROFILE: LINE D.

STORM SEWER PLAN & PROFILE: LINE C.

STORM SEWER PLAN & PROFILE: LINE B.

STORM SEWER PLAN & PROFILE: LINE A.

80.76+4 .ATS OT 00.00+0 .ATS 989 T3372 ATAM YNNHOL

85.74+8 .AT2 OT 00.00+0 .AT2 9&9 TE39T2 OZNA 39AW 72.18+1 .AT2 OT 00.00+0 .AT2 9&9 JV90 HA31 ANAIAB

MARK AVIZO STREET P&P STA. 0+00.00 TO STA. 5+50.00.

ARIA LOPEZ DRIVE P&P STA. 0+00.00 TO STA. 3+68.62

LIVINGSTON COURT P&P STA. 0+00.00 TO STA. 4+33.88

. 82.89+2 .ATS OT 00.00+0 .ATS 9&9 SILVA DRIVE P&9 SILVA 04000

MUNIR KHOURI STREET P&P STA. 0+00.00 TO STA. 7+50.00.

RUSSELL BOREA STREET P&P STA. 6+00.00 TO STA. 11+27.63

RUSSELL BOREA STREET P&P STA. 0+00.00 TO STA. 6+00.00.

.00.02+9 .AT2 OT 00.00+0 .AT2 939 T33972 304 A227A

CKADING SECTIONS (SHEET 2 OF 3)

CRADING SECTIONS (SHEET 2 OF 2)...

CRADING SECTIONS (SHEET 1 OF 2).

DRAINAGE PLAN (SHEET 2 OF 2)...

DRAINAGE PLAN (SHEET 1 OF 2).

PARK DESIGN PLAN

GENERAL INFORMATION

DRAWING NAME

INDEX OF DRAWINGS

GRADING PLAN.

FINAL PLAT.

COVER.

MUNIR KHOURI STREET P&P STA. 7+50.00 TO STA. 9+37.01 CHRISTIAN AZCARATE STREET P&P STA. 0+00.00 TO STA. 1+41.00

KAYLA MIA DRIVE P&P STA. 0+00.00 TO STA. 3+68.57.

POND DESIGN PLAN

GENERAL NOTES

- PROJECT SITE PRIOR TO SUBMITTING BIDS. 1. THE CONTRACTOR SHALL VISIT AND FAMILIARIZE HIMSELF WITH THE
- BEFORE QUITTING TIME. THIS SHALL ALSO BE DONE DURING A DAY TO KEEP DUST TO A MINIMUM - ONCE IN THE MORNING AND 2. CONTRACTOR SHALL WATER CONSTRUCTION AREA A MINIMUM OF TWICE
- EXTRA COST TO THE OWNER WHEN LINES ARE DISTURBED AS A PROTECT, AND REPLACE ALL UNDERGROUND UTILITY LINES AT NO 3. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE, MEEKENDZ AND HORIDAYS.

RESULT OF THE WORK.

- EXPENSE OF THE CONTRACTOR. BE CONSIDERED INCIDENTAL TO THE WORK, AND SHALL BE AT THE HANDLING OF WATER IN ORDER TO MAINTAIN DRY CONDITIONS SHALL SUCH PROPER PASSAGE OF RUNOFF WATER AND ANY REMOVAL OR LABOR, TOOLS, EQUIPMENT, AND SUPERVISION REQUIRED TO ASSURE STORM RUNOFF DURING THE COURSE OF HIS OPERATIONS. ALL AND PERFORM HIS WORK SO AS TO ASSURE PROPER PASSAGE OF 4. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE
- UURISDICTION OVER THE PROJECT. WITH THE USER, ALL UTILITIES, AND ALL OTHER AGENCIES WITH 5. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE
- DISTURBED AS A RESULT OF THE NEW CONSTRUCTION, SHALL BE 6. ALL EXISTING PAVEMENT, ADJACENT UTILITIES, STRUCTURES, ETC.,
- 7. THE OWNER WILL FURNISH HORIZONTAL AND VERTICAL CONTROL OMNER. REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE
- FOR THEIR CORRECTNESS. ENGINEER, OTHERWISE THE CONTRACTOR SHALL BE HELD RESPONSIBLE DISCREPANCIES FOUND SHALL BE REPORTED IMMEDIATELY TO THE DIMENSIONS AND GRADES BEFORE PROCEEDING WITH THE WORK. ANY REFERENCED POINTS ONLY. THE CONTRACTOR SHALL VERIFY ALL
- ELEVATIONS. 8. SEE REFERENCED BENCHMARK ON TITLE BLOCK FOR DATUM
- 9. VIBRATORY ROLLERS WILL NOT BE PERMITTED ON ANY PHASE OF THIS
- PROJECT, UNLESS APPROVED IN WRITING BY THE ENGINEER.
- 10. ALL WORK REQUIRED BY THESE PLANS SHALL BE CONDUCTED IN
- UURISDICTION OVER THE PROJECT. CONFORMANCE WITH CURRENT SAFETY CODES AND STANDARDS WITH

- 11. THE LOCATION OF THE INLETS SHALL BE AT THE FIELD LOW POINT
- AND APPROVED BY THE ENGINEER.
- THRUST BLOCK Ш EXISTING LOW POINT $\mathbf{D} \cdot \mathbf{A}$ EXISTING HIGH POINT LOW POINT $\mathbf{P} \cdot \mathbf{A}$ HICH POINT DRAINAGE FLOW (\mathbf{z}) SUBDIVISION LOT AND BLOCK NUMBER TOP OF PAVEMENT ELEVATION TP 4000.00 TOP OF CURB ELEVATION <u>IC 4000.00</u> ROLLED CURB ELEVATION RC 4000.00 LOT FINISHED GROUND ELEVATION FG 4000.00 FINISHED SPOT ELEVATION 4000.00 SECTION DETAIL IS LOCATED NEW RETAINING ROCKWALL (13'-20' IN HEIGHT) ____V____V_____V____ NEW RETAINING ROCKWALL (9'-13' IN HEIGHT) NEW RETAINING ROCKWALL (2^{-3}) in Height) EXISTING GROUND CONTOUR ELEVATION (INTERMEDIATE) _____ EXISTING GROUND CONTOUR ELEVATION (INDEX) FINISHED GROUND CONTOUR ELEVATION (INTERMEDIATE) **ГИІЗНЕР СКОИИР СОИТОИЯ ЕLEVATION (INDEX)** 4000 STORM SEWER MANHOLE CURB AND GUTTER DROP INLET HICH MATER MARK ____ · ___ · ___ · ___ · ___ · ___ STORM SEWER LINE MATCH LINE EASEMENT LINE _____ STREET CENTERLINE _____ __ ___ ΡΑΟΡΕΑΤΥ LINE CNKB FINE ROW LINE _____ YAADNUG NOISIVIGU BOUNDARY **LEGEND**

МНЕЕГСНАІЯ ЯАМР

DRAINAGE AREA

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EXISTING GRADE	RCP
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FINISH FLOOR	RCP
BEINFORCED CONCRETE PIPE	RCP
TYPICAL	BOM
POINT OF VERTICAL CURVE	CK
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IONZ	HP

- THIS PLAN AND SPECIFICATIONS. DURING THE GRADING OPERATIONS TO ENSURE GRADING WORK IN ACCORDANCE WITH KEQUIRED DENSITIES ARE NOT MET, SUPERVISION BY THE GEOTECHNICAL ENGINEER THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL TESTING AND WHEN PORTION SHALL BE REWORKED UNTIL THE REQUIRED DENSITY HAS BEEN OBTAINED. OR PORTION THEREOF IS BELOW THE REQUIRED DENSITY, THE PARTICULAR LAYER OR SURFACE. WHEN THESE TESTS INDICATE THAT THE DENSITY OF ANY LAYER OF FILL TESTS SHALL BE TAKEN IN THE COMPACTED MATERIAL BELOW THE DISTURBED PERFORM FIELD DENSITY TEST OF THE COMPACTION OF EACH LAYER OF FILL. DENSITY 8. QUALITY CONTROL: THE OWNER SHALL PROVIDE A GEOTECHNICAL ENGINEER TO
- PERMIT COMPACTION TO SPECIFIED DENSITY. AND REPLACE, OR SCARIFY AND AIR DRY SOIL MATERIAL THAT IS TOO WET TO SHALL BE WITHIN 2 PERCENTAGE POINTS OF OPTIMUM MOISTURE CONTENT. REMOVE SURFACE DURING OR SUBSEQUENT TO COMPACTION OPERATIONS. WATER CONTENT
- MINIMUM QUANTITY AS NECESSARY TO PREVENT FREE WATER FROM APPEARING ON WATER TO SURFACE OF SUBGRADE OR LAYER OF SOIL MATERIAL. APPLY WATER IN CONDITIONED FOR OPTIMUM MOISTURE BEFORE COMPACTION, UNIFORMLY APPLY 7. MOISTURE CONTROL: WHERE SUBGRADE OR LAYER OF SOIL MATERIAL MUST BE ACCORDANCE WITH ASTM D-1557.
- EACH LIFT. COMPACT SOIL TO NOT LESS THAN 95% OF MAXIMUM DENSITY, IN APPURTENANCES, PIPING, OR CONDUIT TO APPROXIMATELY SAME ELEVATION IN OF PIPING OR CONDUIT BY CARRYING MATERIAL UNIFORMLY AROUND SITE MEDGING ACTION OF BACKFILL AGAINST SITE APPURTENANCES OR DISPLACEMENT APPURTENANCES, PIPING, OR CONDUIT TO REQUIRED ELEVATIONS. PREVENT MOISTURE CONTENT. PLACE FILL MATERIALS EVENLY ADJACENT TO SITE MUMITEN OR AERATE EACH LAYER AS NECESSARY TO PROVIDE OPTIMUM MATERIAL COMPACTED BY HAND-OPERATED TAMPERS. BEFORE COMPACTION, COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIAL COMPACTED BY HEAVY 6. PLACEMENT OF FILL: PLACE BACKFILL AND FILL MATERIALS IN LAYERS NOT
- COMPACTED TO 95% OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-1557. UNIFORM AND FREE FROM LARGE CLODS, BROUGHT TO OPTIMUM MOISTURE, AND SCARIFYING FILL AREA, IT SHALL THEN BE DISCED OR BLADED UNTIL IT IS FILL MATERIAL WILL BOND WITH EXISTING SURFACE. AFTER PLOWING AND TAHT FILL MATERIAL WILL BOND WITH 1 VERTICAL TO 4 HORIZONTAL SO THAT BREAK UP SLOPED SURFACES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL SO FEATURES WHICH WOULD PREVENT UNIFORM COMPACTION. PLOW STRIP, OR UNTIL THE SURFACE IS FREE FROM RUTS, HUMMOCKS OR OTHER UNEVEN SURFACE SHALL THEN BE SCARIFIED TO A DEPTH OF AT LEAST 6-INCHES, AND FROM GROUND SURFACE UPON WHICH THE FILL IS TO BE PLACED. THE UNSATISFACTORY SOIL MATERIAL, OBSTRUCTIONS, AND DELETERIOUS MATERIAL
 - 5. GROUND SURFACE PREPARATION FOR FILL: REMOVE VEGETATION, DEBRIS, MATERIAL AND OBSTRUCTIONS ENCOUNTERED. ELEVATIONS INDICATED, REGARDLESS OF CHARACTER OF
 - 4. EXCAVATION: IS UNCLASSIFIED AND INCLUDES EXCAVATION TO OTHERWISE APPROVED BY ENGINEER, OR CITY ENGINEER. AND PT, OR WHERE THE PLASTICITY INDEX EXCEEDS 12, UNLESS
 - MITH ASTM D2487 SOIL CLASSIFICATION GROUPS ML, MH, CL, CH, OL, OH, UNARTISFACTORY FILL MATERIAL: ARE DEFINED AS THOSE COMPLYING CROUPS GW, GP,GM, GC, SM, SP, SM, AND SC. DEFINED AS THOSE COMPLYING WITH ASTM D2487 SOIL CLASSIFICATION
 - OR LUMPS OVER 3 INCHES IN GREATEST DIMENSION AND SHALL BE ORGANIC OR DELETERIOUS SUBSTANCE AND SHALL NOT CONTAIN ROCKS 2. SATISFACTORY FILL MATERIALS: FILL MATERIALS SHALL BE FREE OF ANY
 - OWNER'S PROPERTY. PERMITED ON OWNER'S PROPERTY. REMOVE WASTE MATERIALS FROM AND AS NECCESSARY TO FACILITATE NEW CONSTRUCTION. BURNING IS NOT EXISTING ABOVE-CRADE AND BELOW-CRADE IMPROVEMENTS AS INDICATED
 - UNLESS FURTHER EXCEVATION OF EARTHWORK IS INDICATED; REMOVE CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY FILL MATERIAL, PROTUDING THROUGH GROUND SURFACE; FILL DEPPRESIONS CAUSED BY VEGETATION; COMPLETELY REMOVE STUMPS, ROOTS AND OTHER DEBRIS 1. CLEARING AND GRUBBING: CLEAR SITE OF TREES, SHRUBS AND OTHER

DATE OF PREPARATION: JULY 2021			
СОИТАСТ: ВЕИІТО ВАЯRАGAN, R.P.L.S.			
Barragan & LAND PLANNING & LAND SURVEYING 10950 Pellicano Dr. Bldg. F – El Paso TX 79935 Phone (915) 591–5709 Fax (915) 591–5706	CONTRCT: JORGE L. AZCARATE, P.E.		
SURVEYOR	ENGINEER		
Benito Barragan TX, R.P.L.S. No. 5615	JORGE L. AZCARATE, P.E. Licensed Professional Engineer Texas License No. 85075		
		F	
This plat represents a survey made on the ground by me or under my supervision and complies with the current Texas Board of Protessional Land Survey Professional and Technical Standards.	Subdivision improvement plans prepared by and under the supervision of CEA Group.	BOOLS CREEN RD.	
by Deputy	County Clerk		G9
I N G Oscar Villalobos Oscar Villalobos Oscar Villalobos DATE BY DATE day of the Plat Records.	F I L Filed and recorded in the office of the County Cle of	ТRACT 3-A-3 vol: 4474 рс: 1263 *R.P.R.E.P.C.	/
	Planning and Inspections Director		AND GM
Executive Secretary	Chairperson Approved for filing thisday of	TRACT 3–2 DOC.20040060384 vol. 2701, PAG. 620 *R.P.R.E.P.C.	Ξ
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personally appeared Gregory B. Bowling, known to me e foregoing instrument and acknowledged to me that he day of	Before me, the undersigned authority, on this day to be the person whose name is subscribed for the person whose name is subscribed for the person whose name is subscribed for the person whose name is subscribed to the provention is the act and deed for the person proved as the person of the person proved as to the person person of the person of the person of the person person person of the person	TEXAS AND PACIFIC RAIL ROA	SURVEYS
. E D G E M E N T	АСКИОМГ	D COM	
- day of2021.	Witness my signature this Gregory B. Bowling, Manager	SABABA ANA SABADA SC1-A-5 TOART 3531 59 (0644 JOV 100 100 100 100 100 100 100 100 100 10	
A TION ad, do hereby present this map and dedicate their public, the streets, ponding area, park, pedestrian type utilities and the right for installation of service ments for buried service wires, conduits and pipes for egress for service and construction, and the right to	DEDIC G. Bowling Enterprises LLC., the owners of this lan respective portions of property to the use of the right-of-way, drainage right of way and utility eas easements for overhang of service wires for pole poles alongside lot lines as may be required, ease underground utilities, and the right to ingress and trim interfering trees and shrubs.	– – – – – Koyd – – – – –	
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Construction Second State Second State <t< th=""><th>₩</th><th><u>.05.95</u> 2.982</th><th><u>+</u> + ОС (яот:</th><th><u>е:әе</u> МАМ</th><th><u>05.3</u> 19A auz)</th><th>66 6 1</th><th>R.O. W. 99</th><th>R.O.W.</th><th>BINE BINE</th><th>AA D</th><th></th><th> ∀ND(</th><th>AMAA</th><th>-</th><th>ЭНТ</th><th>ED IN.</th><th>BD SEC VBE EII</th><th>) KECO</th><th>VIDBUS</th><th>K' DEE THIZ</th><th>К СГЕВ S LOB</th><th>TNAN3 TNUO:</th><th>L No. THE C</th><th>NUMEN. E OF BICTIVE</th><th>REST OFFI(MSTF</th><th>.5</th></t<>	₩	<u>.05.95</u> 2.982	<u>+</u> + ОС (яот:	<u>е:әе</u> МАМ	<u>05.3</u> 19A auz)	66 6 1	R.O. W. 99	R.O.W.	BINE BINE	AA D		 ∀ND(AMAA	-	ЭНТ	ED IN.	BD SEC VBE EII) KECO	VIDBUS	K' DEE THIZ	К СГЕВ S LOB	TNAN3 TNUO:	L No. THE C	NUMEN. E OF BICTIVE	REST OFFI(MSTF	.5
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IHE LESS WATER ODE: WITER AND SEWER SERVICES WILL BE 399666 10 11 12 14 15 14 15 14 15 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 17 16 16 16 16 16 17 16 16 17 16 16 17 16 <t< th=""><th>9" m</th><th>26.30'</th><th></th><th>02.93</th><th>9.30° 1. J. 1. J. 1. J.</th><th>0, u r G G</th><th>26.28' 56.28' 56.28'</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>D T E D</th><th>BE ES FOC</th><th>י אורר אכורו דו.</th><th>ATA DF ATA DF</th><th>NOISINI ANA WY</th><th>NUBUS NOHU NA ERO</th><th>), DIVISIO 14. ANI 14. THE</th><th>e sue (A A3) ABR/</th><th>то тні L вор ED то</th><th>TRUCT USSEL NDED</th><th>CON ON E EXLE</th><th></th></t<>	9" m	26.30'		02.93	9.30° 1. J. 1. J. 1. J.	0, u r G G	26.28' 56.28' 56.28'								D T E D	BE ES FOC	י אורר אכורו דו.	ATA DF ATA DF	NOISINI ANA WY	NUBUS NOHU NA ERO), DIVISIO 14. ANI 14. THE	e sue (A A3) ABR/	то тні L вор ED то	TRUCT USSEL NDED	CON ON E EXLE	
Signed Sector Signed Sector<	N3*02'29"	6193 Sq.F	N3'02'29"	6193 Sq.F	N 6193 Sq.F N 3'02'29" I	110.00'	- 6191 Sq.F	110.00 [,]	91	۶L	۲L	٤٢	29 71		BE 943 OL 9NCE 1 JHE	צ אורר או ופיצ יככסצם יככסצם	ZEPLAT SECTIC SECTIC	1 оwt- 7 воар 1 мітн 2 мітн	AND SE NENTY- WENTY-	NIT TIUU IBLIC S ATER A)E' M') BECN IEZ\BN 1 SQZ (S SUI UTILIT NA SUE R COE	9 TRF 9 PTER 9 RULE: 9 RULE: 9 RULE: 9 RATE	r dadi M o2A Ai3ht Saxət	PRO/ WITH WITH THE	
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e ^{266,652} / 1312.15 ⁴ .	<u> </u>		144 <u>52.0</u>	KVXI 60.00		0 6 6 7 7 7	00:09 00:09			BINE		₩ ∀=	KAY													
471.74 [*] 471.74 [*] 560 ⁵ 500 ⁵ 50	107.00	5564 Sq.Ft S3'02'29"W	107.00'	5350 Sq.Ft S3'02'29"W	<u>in 5350 Sq.F</u> S3'02'29"V 107.00'	ot 107.00'	6 5350 Sq.Ft S3'02'29"W	107.00 ⁻	91	G٢	41	٤٢	15	LL	01	6	8	L	9							
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TRES SUENOS UNIT TWEN SUBDIVISION IMPROVEMEN BEPLAT "A" SUBDIVISION IMPROVEMEN	SCALE: 1" = 30" SCALE: 1" = 30" SCALE PLAN	} PARK D	Description Transmission	
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ENGINEER'S SEAL				
B13 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5232 Www.ceagroup.net El Paso TX 79902 B15.544.5232	ехізтійс малоя сойтойя ехізтійс мійоя сойтойя гор ог сияв еlevation гійсн глоор еlevation рялімаде гlow нісн роійт гом роійт	►		
REFERENCES – BENCHN CITY MONUMENT AT POINT OF CURVE BEEM BLVD., S08'43'31" A DISTANCE FROM THE SOUTHERLY RIGHT OF WAY MONTANA AVENUE. ELEVATION: 4014.90 (NAVD 88) (4005 DATE REVISIONS	PROPOSED MINOR CONTOURS FOR FIELD LOCATING EXISTING UTILITIES CEND: CEND:	<pre>+000 +000 (800) 251-02\3 (800) 251-02\3 (800) 252-2\38 (800) 242-6002 (800) 242-6002 (800) 242-6002 (800) 100-100 (800) </pre>	MICL SORVEILLENCE TIME WARNER COMMUNICATIONS TEXAS GAS SERVICE SBC D.S. SPRINT TELECOMM U.S. SPRINT TELECOMM	
AARKS CENTERLINE RICH OF 467.58 FEET LINE OF 5.40 CITY DATUM) 5.40 CITY DATUM)	BEFORE YOU DIG	(800) NOT MOD (612) 204-2200 (612) 243-254 (612) 243-255 SEKNCES	UTILITY LOCATOR 2 EL PASO ELECTRIC COMPANY EL PASO WATER UTILITES MCI SURVEIR UTILITES	



	SECTION 26, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAIL ROAD COMPANY SURVEYS -OHE-OHE-OHE-OHE-OHE-OHE-OHE-OHE-OHE-OHE	D.S.E. PIPELINE COMPANY D.S.E. PIPELINE COMPANY RICHT OF WAY AND EASEMENT AGREEMENT AS PER BOOK 2915, PAGE 0583, DHE OHE OHE OHE OHE OHE OHE OHE O	
	ADWALL 23 24 25 26 27 28	29 30 31 TEMPORARY DESILTING BASIN BY DEVELOPER	
	MARIAM HANNA STREET		
4 5 6 7 8 9 10 11 12 13 14 15 16 17 19 20 21 22		-3 INLET #4 2 3	
KAYLA MIA DRIVE		<u> </u>	
4 5 6 7 8 9 10 11 12 13 14 15 16 17 1 2 3 4		12 13 TEMPORARY DESILTING BASIN BY DEVELOPER	
55 (3) DA-	-1 <u>SD-4</u> <u>SD-4</u> <u>SD-4</u> <u>SD-5</u> <u>SD-5</u> <u>BRIA</u> <u>SD-5</u> <u>BRIA</u>	NNA LEAH	TEXAS AND PACIFIC RAIL ROAD
31 30 29 28 27 26 25 24 23 22 21 20 19 18 7 8 9 10	11 12 $6^{6} 3 23$ $DA-2$ 24 PH	TSU22 TSU25 2 3	FUTURE TSU25
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ARIA LOPEZ DRIVE			
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Image: Tres sueños unit eight Image: T	6 7 8 9 10 11 12 13 14 15	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	FUTURE TSU25
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Depth spread width Actual Velocity	DA-13	22 TSU25 SECTION 26, BLOCK 79, TOWNSHIP 2,
32 0.00 0.18 5.76 32.36 0.1780 0.013 0.0066 16.926 2.938 33.691 Inlet #2 Width cross slope Depth Area P R n S Q V Total Q Q actual Actual I 16 2.00 0.32 2.56 16.3232 0.1568 0.013 0.0066 8.383 2.701 13.95 0.33	Depth spread width Actual Velocity		TEXAS AND PACIFIC RAIL ROAD COMPANY SURVEYS
32 0.00 0.18 5.76 32.36 0.1780 0.013 0.0066 16.926 2.938 33.691 Inlet #3 Width cross slope Depth Area P R n S Q V Total Q Q actual Actual D 16 2.00 0.32 2.56 16.3232 0.1568 0.013 0.0065 8.319 2.680 10.78 0.35	Depth spread width Actual Velocity		
32 0.00 0.18 5.76 32.36 0.1780 0.013 0.0065 16.797 2.916 33.435 Inlet #4 Width cross slope Depth Area P R n S Q V Total Q Q actual Actual I 16 2.00 0.32 2.56 16.3232 0.1568 0.013 0.0065 8.319 2.680 10.78 0.35	Septh spread width Actual Velocity 37 38 39 40 41 5 17.63 2.86 36 36 41		
32 0.00 0.18 5.76 32.36 0.1780 0.013 0.0065 16.797 2.916 33.435 Inlet #5 Width cross slope Depth Area P R n S Q V Total Q Q actual Actual D 16 2.00 0.32 2.56 16.3232 0.1568 0.013 0.0062 8.125 2.618 18.62 0.44	Depth spread width Actual Velocity 51 52 53 54		
10 10 <th10< th=""> 10 10 <th1< td=""><td>Depth spread width Actual Velocity FERNANDO Z</td><td>BIA AVE.</td><td>1 2 3 4 5 6 7 8 ISRAEL RODOLFO STREET 9 E</td></th1<></th10<>	Depth spread width Actual Velocity FERNANDO Z	BIA AVE.	1 2 3 4 5 6 7 8 ISRAEL RODOLFO STREET 9 E
10 2.00 0.02 2.00 10.02 0.020 0.123 2.016 0.1002 0.123 32 0.00 0.18 5.76 32.36 0.1780 0.013 0.0062 16.405 2.848 32.654 Inlet #7 Vidth cross slope Depth Area P R n S Q V Total Q Q actual Actual D 16 2.00 0.22 0.1568 0.006 7.003 2.575 17.40	Depth spread width Actual Velocity	$\begin{array}{c} 68 & 5 \\ \hline \\$	TRES SUEÑOS UNIT 21
10 2.00 0.32 2.36 10.3232 0.1306 0.013 0.000 7.993 2.373 17.40 0.40 32 0.00 0.18 5.76 32.36 0.1780 0.013 0.006 16.138 2.802 32.123 0.1140 0.40 inlet #8 Image: Constraint of the second sec	Depth spread width Actual Velocity		
10 2.00 0.32 2.56 16.3232 0.1568 0.013 0.006 7.993 2.575 17.40 0.43 32 0.00 0.18 5.76 32.36 0.1780 0.013 0.006 16.138 2.802 32.123 0.43 MOMENTUM COMPUTATION			
LOCATION © INLETDEPTHVELOCITYPRODUCT NUMBER (1)(1)(2)(3)(4)10.393.071.19	POND AREAS CONTOUR ACCUMULATED VOLUME (AC-FT.) NO.	PECTED. FLOW ADDITIONAL FLOW CROWN Q Overtop Orded (CFS) FROM INLET #	Q REQUIRED AVAIL. FLOW FLOW BYPASS # OF TYPE OF INLET Qactual CAPACITY Q Qbyp (CFS) # OF TYPE OF INLET
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	TIONS 3988.50 0.24 3989.50 0.71 3990.50 1.47 3991.50 2.44	20.29 0 6.35 CFS CCFS 7.60 6.35 CFS FROM I–1 0 12.92 0 2.14 CFS	(CFS) AVAIL. (CFS) TO INLET # ONCLOS INLET LOCATION 13.95 19.27 0 2 I ON SUMP 13.95 19.27 0 2 I ON SUMP 10.78 19.27 0 2 III ON SUMP
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3992.50 3.59 3992.50 3.59 3993.50 4.90 3994.50 6.38 3995.50 8.02	8.64 2.14 CFS FROM I-3 0 14.08 4.54 CFS FROM 1-6 0 23.16 0 4.54 CFS	10.78 19.27 0 2 I ON SUMP 18.62 19.27 0 2 I ON SUMP 18.62 19.27 0 2 I ON SUMP 18.62 19.27 0 2 I ON SUMP
 (1) LOCATION (2) DEPTH (3) VELOCITY 	3996.50 9.82 7 3997.50 11.79 8 3998.50 13.93 NOTE: SI	8.33 9.07 CFS FROM I-8 0 26.47 0 9.07 CFS JMP INLET CAPACITIES ARE BASED ON 50% CLOGGING FACTOR.	17.40 19.27 0 2 I ON SUMP 17.40 19.27 0 2 I ON SUMP BY

(4) PRODUCT NUMBER = DEPTH X VELOCITY







	TOTAL	AREAS AND	RUNOFF TO	POND	
100 YEAF	R STORM	CALCULATI	ONS FOR W	ATERSHED	AREAS
DRAINAGE AREA NO. (1)	DRAINAGE AREA (AC) (2)	DESIGN STORM INTENSITY (1100) (3)	TIME OF CONCENTRATION (4)	RUNOFF COEFF. (C) (5)	Q100 (CFS) (6)
DA-1	6.83	4.95	13.26	0.60	20.29
DA-2	2.44	5.19	11.28	0.60	7.60
DA-3	4.60	4.68	15.72	0.60	12.92
DA-4	3.07	4.69	15.66	0.60	8.64
DA-5	4.87	4.82	14.40	0.60	14.08
DA-6	9.35	4.27	20.10	0.58	23.16
DA-7	2.66	5.22	11.10	0.60	8.33
DA-8	9.87	4.47	17.82	0.60	26.47
DA-9	3.58	5.36	10.00	0.50	9.59
WA	TERSHEE) AREAS FR	OM TRES SU	JENOS U1	4
WS-1	5.28	4.17	21.36	0.60	13.21
WS-2	2.25	4.20	21.00	0.60	5.67
WS-3	2.20	4.20	21.00	0.60	5.54
WS-4	0.89	5.36	10.00	0.50	2.39
TOTAL	57.89			TOTAL	157.89

WATERSHED AREAS TO DISCHARGED TO EXISTING POND ON LOT 1, BLOCK 38. TSU8 AMENDING PLAT. AS INDICATED ON TSU14

100 YEAF	R STORM	CALCULATI	ONS FOR W	ATERSHED	AREAS
DRAINAGE AREA NO. (1)	DRAINAGE AREA (AC) (2)	DESIGN STORM INTENSITY (1100) (3)	TIME OF CONCENTRATION (4)	RUNOFF COEFF. (C) (5)	Q100 (CFS) (6)
WS-5	2.04	4.24	20.52	0.60	5.18
WS-6	2.06	4.24	20.52	0.60	5.23
WS-7	4.35	3.66	28.56	0.60	9.55
WS-8	4.49	3.22	28.48	0.60	8.67
DA-13	1.11	5.36	10.00	0.60	3.57

WATERSHED AREA TO DISCHARGED TO EXISTING POND ON LOT 13, BLOCK 35. TSU8 AMENDING PLAT

100 YEAF	R STORM	CALCULATI	ONS FOR W	ATERSHED	AREAS
DRAINAGE AREA NO. (1)	DRAINAGE AREA (AC) (2)	DESIGN STORM INTENSITY (1100) (3)	TIME OF CONCENTRATION (4)	RUNOFF COEFF. (C) (5)	Q100 (CFS) (6)
DA-14	0.13	5.32	10.32	0.95	0.66























BY

BLOCK 7 LOT 1-3

FINISHED-

GROUND

FG VARIES

DATE

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	- ų	40.00' VC	HP STA: 2+00.4	9	N			
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		PVI ELEV: 4007.28	→ → → → → → → → → → → → → → → → → → →					
			A.D.: -2.84					
4010		<u>40 94 </u>	<u>vi</u> ui		AF			
			>>					
				2+ <u>16.00_/</u>	CR	STA: 3+08.00	-0	
			NEW LEFT TOP APPROXIMATE_/ CR ELEV:	4009.30		ELEV: 4008.55		
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4005	TIE INTO	CR ELEV: 4007.00					CR	ELEV: 4007.09
	EXISTING CURB	1						
	SUBDIVISION BOUNDARY LINE	•						
	& BEGIN CONSTRUCTION @ \							
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			90.00' VC					
			HP STA: 2+00.4	9				
			HP ELEV: 4009.1					
	LINIT FIGUR OLT	PVI STA: 0+66.00	OIN PVI STA: 1+82.0 OIN DVI STA: 1+82.0	2 5.6	+ ¨ɔ, IJ,			+
		PVI ELEV: 4007.108	NO FVI ELEV. 4009.4 NO A.D.: -2.84					
			+ Q K: 31.74					
4010				EIS EIS	A T	AF		
						EXISTI	NG GROUND	
			2.00%	7-		~ ~		
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	PROFILE 1 1.86%		NEW CENTER TOP EXISTING GROU	NÐ			-NEW CENTER TOP	
4005							OF PAVEMENT	
4005	TIE INTO EXISTING						PROFILE	
		TRANSITION FROM						
4000	WARD				20			
4000					27			
	4 4	334	35 35	1 12	13 33	202	3 5	8 7
	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	6.6	8 .7.7	9.1 0.1 0.1	8. 80 8. 10 8. 10 10 10 10 10 10 10 10 10 10 10 10 10 1	80.0 0.0	7.6	
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			90.00' VC					
			PVI SIA: 1+82.0					
	IRES SUENUS COLT MO	40.00' VC	A.D.: -2.84					
		PVI STA: 0+66.00 0 00	K: 31.74	000000000000000000000000000000000000000				
4010		412 K: 40.00 + 0 F		<u>بان ن</u>				
4010				<u>\$</u> \$				EXISTING GROUND
			2.00%					
							-0	.84%
4005		CR ELEV: 4007.08						OF CURB PROFILE
4003	FXISTING CURB							
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90.00' VC

<u>PLAN</u>

	UTILITY	LOCATOR SERVIC	ES					ET UM)
	EL PASO ELECTRIC EL PASO ENERGY (EL PASO WATER U MCI SURVEILLANCE TIME WARNER COMI TEXAS GAS SERVIC SBC AT&T U.S. SPRINT TELEC	COMPANY (915) CORPORATION (915) TILITIES (915) MUNICATIONS (915) E (915) E (800 (800) OMM (800)) 543-5720) 496-5244) 594-5500) MCI-WORK) 772-1123) 680-7200) 545-6005) 852-3786) 521-0579	B FOR FI	CALL 8	DIG 11 TING UTILITIES	VCES – BENCHMARKS	POINT OF CURVE CENTERLINE R 3'31" A DISTANCE OF 467.58 FEI RLY RIGHT OF WAY LINE OF 0 (NAVD 88) (4005.40 CITY DAT REVISIONS E
1	TC 4006 92		0				REFEREN	CITY MONUMENT AT BEEM BLVD., S08'4. FROM THE SOUTHEF MONTANA AVENUE. ELEVATION: 4014.90 DATE
34 5 11	R=30.00' L=47.12' Tan=30.00' △=90'00'00'' WHEELCHAIR RAM (DIRECTIONAL) STA. 5+74. TC 4006.33 5' SIL C 4006.08 6" STD. CON	3 12 P 00 DEWALK BY BUILDER 5' PARKWAY C. CURB & GUTTER (TYP.)	0 SEE SHEET C6.		CITY OF BI			813 N. Kansas St Suite 300 El Paso, TX 79900 915.544.5232 www.ceagroup.ne ERING FIRM F-4564
—— + : <u>TA. 5+2</u> P 4006.	6+ 28.00 N03*02'29* 53	•00 E 272.00'	9 STA. 6+50.0	HT	EXAS			
	7	6	WATCHLINE BA	illalobos		09/22/2021 DATE		
			LEG		DIRECTIONAL WHEEL RAMP BY BUILDER (PVI ELEVATIONS ARI OF CURB. REFER TO TOP OF PAVEMENT PROPOSED STREET & STOP SIGN	CHAIR (TYP.) E SHOWN AT TOP O PLAN VIEW FOR ELEVATIONS. NAME SIGN	ENGINEER'S SEAL	JORGE L AZCARATE
	APPROXIMATE					4010	SCALE 1, 20'	ntdi: 1*=5' al: 1*=5' r Interval: N/A SEPTEMBER 2021 N BY: G.J.M. N BY: G.J.M. BY: F.Z. . BY: J.L.A. o. 2000-228
	CR STA:5 CR ELEV:	NEW LEFT TOP OF CURB PROFILE +74.00 4006.33				4005	- - -	Vertice Vertice DATE: DRAW DRAW APPVE JOB N
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						4010		SHEET TITLE
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				UTILITY LOCATOR	SERVICES			EET TUM) BY
				EL PASO ELECTRIC COMPANY EL PASO ENERGY CORPORATION EL PASO WATER UTILITIES MCI SURVEILLANCE TIME WARNER COMMUNICATIONS TEXAS GAS SERVICE SBC AT&T U.S. SPRINT TELECOMM	(915) 543-5720 (915) 496-5244 (915) 594-5500 (800) MCI-WORK (915) 772-1123 (915) 680-7200 (800) 545-6005 (800) 852-3786 (800) 521-0579	FOR FIELD LOCATING EXISTING	DIG	ENCES – BENCHMARKS T POINT OF CURVE CENTERLINE 43'31" A DISTANCE OF 467.58 FE ERLY RIGHT OF WAY LINE OF 90 (NAVD 88) (4005.40 CITY DA REVISIONS
	тс 4007.00 ЦЦЦ	<u>TP 4006.73</u> T0 4007 08		 4 .				REFERE CITY MONUMENT A BEEM BLVD., S08' FROM THE SOUTHE MONTANA AVENUE ELEVATION: 4014.6 DATE DATE
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2+00 RUSSELL BUREA AVENUE 3+00 	4+00 DEM STA. 4+45.51 TP 4006.44	SB6'57'31"E	282.00'	STA. 6+00. STA. 6+00. STA. 6+00.	Oscar Villalobos	09/22	2/2021	
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Oscar Villalobos

DATE

09/22/2021



- EXISTING CURB & GUTTER TO BE REMOVED BY CONTRACTOR



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813 N. Kansas S Suite 300 El Paso, TX 7990 915.544.5232 Www.ceagroup.n ERING FIRM F-456			A A A A A A A A A A A A A A A A A A A	A DE		E E 	xW Ex Ex xS Ex	w exw + is exs 09 	— exw — exw — e ++ exs — exs — e IS OGNAMAA	×W	
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עגד האפ 					×3				+002
		$50.00^{\circ} VC$ $EV = 40^{\circ}$	50.00' VC PN STA = 2+95.00 PN STA = 2+95.00 PL PN ELEV = 4009.42 00 PL PN ELEV = 4009.32 00 PL PN FLEV = 4009.30 00 PL PN FLEV = 400000000000000000000000000000000000				40.00 [°] VC 101.10 PV 101.10 P	LEV: 4007.16	

PLAN

3+5.AT2 7.8004 ⊃T	10' ТҚАИЗІТІОИ FROM 6" STD. CURB TO 4" ROLLED CURB 7 7	8	<u>(۲)</u> 6	OL	LL	ZIA. 0+46.00 CIP. 0+46.00 CIP. 00 CIP. 00 CIP. 00 CIP. 00 CIP. 4006.33 CIP. 4006.35 CIP. 4006.35 CIP. 4006.35 CIP. 4006.35 CIP. 4006.35 CIP. 40
4			דר פג פחורסבצ	2, SIDEM		
	00.01		PARKWAY	, 9		
W 55 R.O.V ExS	0 85.83+5ATZ 20.00 ¥ H 20.00 ¥ H 20.0	H' b' EΓΕΛ' †006'11 H'b' 2ΙΥ' <u>3</u> +06'06 	« спиек (түр.) 	е, 210 [,] 2040, 2	о <u>о. ате</u> аге оте оте оте оте оте оте оте оте оте от	НР 4006.34 40° ПКАИSI ПОИ 40° ПКАИSI ПОИ 40° ПКАИSI ПОИ 40° ПКАИSI ПОИ 40° ПКАИSI ПОИ 40° ПКАИSI ПОИ
	00.01		YAW	5, PARK		
1 /			א פחורטבא	2, SIDEMALK B		
71 21A. 51 204 07	TO 4" ROLLED CURB PROM 6" STD. CURB 10' TRANSITION 10' TRANSITION 10 4" ROLLED CURB	2	2 (5)	*	S	TC 4007.09 —R=30.00' Tan=30.00' △=90'00'00' C=47.12' (DIRECCHAIR RAMP C=47.12' C=47.12' C=47.12' C=47.00' C=47.00' C=47.00' C=47.00' C=47.00' C=47.00' C=47.00' C=47.12'



TC 4007.42 R=30.00'		UTILITY LOCATOR S EL PASO ELECTRIC COMPANY EL PASO ENERGY CORPORATION EL PASO WATER UTILITIES MCI SURVEILLANCE TIME WARNER COMMUNICATIONS TEXAS GAS SERVICE SBC AT&T U.S. SPRINT TELECOMM SECTION 26, BLOCK 79,	(915) 543-5720 (915) States 200 (915) Human and 200 (915) Human a
26 (8) 27 28 28 28 28 28 28 28 28 28 28	12 13 14 15 16 17 5' SIDEWALK BY BUILDER 5' SIDEWALK BY BUILDER 5' PARKWAY 5TA. 0+B6.00 TP 4006.29 1+00 5TA 1+31.64 5' STD. CONC. CURB & GUTTER (TYP.) 5TA 2+55.93 5' PARKWAY 5' STD. CONC. CURB & GUTTER (TYP.) 5' PARKWAY 5' PARKWAY 10 4006.90 10 4007.82 10 4007.62 10 4007.62 10 4007.62 10 4007.62 10 4007.62 10 4007.75 10 4007.75 10 4007.75	BOUNDARY LINE 18 18 18 18 18 18 18 18 18 18	TEGEND 813.N. Kansas St. 915.544.5232 915.544.5232 915.544.5232 915.544.5232
Oscar Villalobos 09/22/2021 BY DATE	PLAN		DIRECTIONAL WHEELCHAIR RAMP BY BUILDER (TYP.) PVI ELEVATIONS ARE SHOWN AT TOP OF CURB. REFER TO PLAN VIEW FOR TOP OF PAVEMENT ELEVATIONS. PROPOSED STREET NAME SIGN & STOP SIGN SIDEWALK BY DEVELOPER
4010 Image: Constraint of the second se	70.00' VC PVI STA:1+40.00 PVI STA:1+40.00 PVI ELEV:4006.13 A.D.:1.63 A.D.:1.63 VI STA:1+40.00 VI STA:1+40.00 VI STA:1+40.00 PVI STA:1+40.00 PVI ELEV:4006.13 A.D.:1.63 K: 42.86 VI STA:1+40.00 VI STA:1-4006.13 VI STA:1-40.00 Station VI STA:1-40.00 VI STA:1-40.00 VI STA:10.01 VI STA:1-40.00 VI STA:10.00 VI STA:1-40.00 VI STA:10.00 VI STA:10.00 VI STA:10.00 VI STA:10.00 VI STA:10.00 VI STA:10.00 VI STA:10.00 VI STA:10.00 VI STA:10.00	015 SECTION 26, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAIL ROAD COMPANY SURVEYS 3/4"¢ COMPACTED GRAVEL	4010 010h Horizontal: 11"=5' Vertical: 11"=5' Contour Interval: N/A DATE: SEPTEMBER 2021
4000 4000.00 9006.80 4000.00 1000.0	4009.76 4009.38 4009.38 4009.38 4009.54 4000.33 4000.38 4000.55 4000.38 4000.55 400	1.01% FUTURE LEF 95% COMPACTION AS 05 95% 05 SUBDIVISION BOUNDARY 06% UNE END CONSTRUCTION 08 STA. 4+33.88	T TOP OFILE 4005 ↓ SING UNIX
4010	70.00' VC PVI STA: 1+40.00 PVI STA: 1+40.00 DZ PVI ELEV: 4005.95 APPROXIMATE A.D.: 1.63 EXISTING GROUND VI STA: 0 PVI ELEV: 4005.95 A.D.: 1.63 PVI EXISTING GROUND VI STA: 0 PVI STA: 0 VI STA: 0 PVI STA: 0 </td <td>015 SECTION 26, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAIL RDAD COMPANY SURVEYS 010 3/4*¢ COMPACTED GRAVEL</td> <td>4015 MANUL 4010 111</td>	015 SECTION 26, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAIL RDAD COMPANY SURVEYS 010 3/4*¢ COMPACTED GRAVEL	4015 MANUL 4010 111
4000 400 4000 4	Main Accession Acc	1.01% FUTURE CENTER 95% COMPACTION AS 95% COMP	TOP OFILE 4005 4005 SAUSS
4010 Image: Constraint of the second se	70.00' VC PVI STA: 1+40.00 APPROXIMATE N APPROXIMATE N APPROXIMATE N AO 014 PVI ELEV: 4006.13 0 EXISTING GROUND N AO AO AO 014 CR STA: 3+11.89 014 FO FO FO FO FO CR STA: 3+11.89 015 FO FO FO FO FO FO 015 FO FO FO FO FO 016 FO FO FO FO FO 017 FO FO FO FO FO 107 FO FO FO FO FO 100 FO FO FO FO FO	015 SECTION 26, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAIL ROAD COMPANY SURVEYS 3/4"ø COMPACTED GRAVEL	4015 SHEET TITLE 4015 SHEET TITLE 1 1
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6.90						4010.24
SHEET NO.	€007					
PLAN & PROFILE FROM STA. 0+00.00 20.80+5 .AT2 0T	4010					-3.24 %
ARIA LOPEZ DR.	5104				SNLLSIX3-/ EV: 4+ 6009.27	
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S ES						4010.5 4010.0
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Horizonta Vertical: Contour DATE: <u>SE</u> DESIGN E DRAWN E CHKD. B APPVD. E JOB No.	0104					
<u>ALE</u> 1"=3(1"=5' Interval: N Nterval: N Y: G.J.N Y: C.E.C Y: F.Z. 3Y: J.L.A 2000-2	4012				00.080 72 NO2	0.04 0.04 0.01 0.01 0.01 0.01 0.01 0.01
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813 N. K Suite 30 El Paso, 915.544. www.cea www.cea				5 ExS ExS		— ExS — ExS 0(/ ∐∀
ansas St.) 1X 79902 5232 1 F-4564		HO VY		+ L	51	91
CITY MC BEEM BI FROM TI MONTAN ELEVATIO DATE				FOURTEEN SUE ^K OS UNIT	я I	(23)
REFEREN NUMENT AT LVD., SO8*43 HE SOUTHER A AVENUE. DN: 4014.90						
VCES - BE POINT OF (5'31" A DIST LY RIGHT OI (NAVD 88) REVISION	C NILLITIES	FOR FIELD LOCATING EXISTIN	(800) 545-6005 (800) 521-0579 (800) 521-0579	SBC AT&T D.S. SPRINT TELECOMM	1 ' S	
NCHMARKS URVE CENTER ANCE OF 467. WAY LINE OF (4005.40 CIT US			(312) 880-2500 (312) 225-1153 (800) WCI-MOEK (312) 234-2200 (312) 438-2544 (312) 242-2750	TEXASO ELECTRIC COMPANY EL PASO ENERGY CORPORATION EL PASO WATER UTILITIES NCI SURVEILLANCE TIME WARNER COMMUNICATIONS FEXAS GAS SERVICE		
Y DATUM)			SERVICES			

00+7	+00 5+00 <u>580FILE</u> 3+00	+L 00+0	
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TI6:110+ :01		CK ELEV: 4008.80 CR ELEV: 4008.80	\$00 7
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-SOBDIMISION BOONDARY LINE & END 3+68.62			4002
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±re.rio∔ :⊃T	EXISTING GROUND	C C ELEV: 4009.07	4002
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	00.01			PARKWAY	,9		
N ExW	o	/	52.c R.O. 92.c PVW	сикв & ситтек (түр.)	e,, 21, 31, M <u>268, 62</u> , CONC.	98И – <u> +</u> 00. <u>38+0</u> .ATZ / 65.000 1 ЧТ	08.30
5 00++ ExS —. [≤] Ö-≘xS	<mark>.62</mark>	89+5 .AT2 57.1104 9T	, Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ Ξ	۵۵ כעדדבת (דרף.) 00	✓ COPEZ DRIVE 2+ 6 [™] STD. CONC. CURB	۱۶۹۸ _{00+۲}	<u>ХЗ.80</u> 40' ТКАИSITION
	00.01				2, PARK		
/i			,	א פחורסבא	2, SIDEMARK B	1	07:000+ 01
<u>51A. 3+68.62</u> 10.1104		10 4" ROLLED CURB FROM 6" STD. CURB TO 4" ROLLED CURB					(DIRECTIONAL) STA. 0+46.00 STA. 0+46.00
∠L		L	5	2	*	G	MHEEI CHVIB BVNB
		ISIVIDAUS Yaanuda		()			u=20.00' 47.12' 1009.29







				UTILITY LOCATOR	RSERVICES	HLL (M)
			CURVE TABLECURVERADIUSLENGTHTANGENTCHORDBEARINGDELTAC1400.00'109.89'55.29'109.54'N10*54'39"E015*44'26	LINE TABLE LINE BEARING LENGTH L1 N03'02'26"E 25.96' L1 N03'02'26"E 25.96' EL PASO ELECTRIC COMPANY EL PASO WATER UTILITIES MCI SURVEILLANCE TIME WARNER COMMUNICATIONS TEXAS GAS SERVICE SBC AT&T U.S. SPRINT TELECOMM	(915) 543–5720 (915) 496–5244 (915) 594–5500 (800) MCI–WORK (915) 772–1123 (915) 680–7200 (800) 545–6005 (800) 852–3786 (800) 521–0579	FERENCES – BENCHMARKS IT AT POINT OF CURVE CENTERLINE RI S08'43'31" A DISTANCE OF 467.58 FEE S08'43'31" A DISTANCE OF 467.58 FEE JUTHERLY RIGHT OF WAY LINE OF FENUE. 4014.90 (NAVD 88) (4005.40 CITY DATL REVISIONS B
		$\begin{array}{c c c c c c c c c c c c c c c c c c c $	IC 4010.84 IO R=30.00' IO L=47.12' IO Tan=30.00' IO 7 △=89*59'57"	$\begin{array}{c} 3 \\ \hline \\ \\ \\ \hline \\ \\ \\ \\ \hline \\$	1 ~	RE CITY MONUME BEEM BLVD., FROM THE SC MONTANA AV ELEVATION: 4 DATE
		9 9	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		813 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5232 Developeret Texas Registrered Engineering Firm F-4564
	Oscar Villalobos 09/22/2021 BY DATE				LEGEND DIRECTIONAL WHEELCHAIR RAMP BY BUILDER (TYP.) PVI ELEVATIONS ARE SHOWN AT TOP OF CURB. REFER TO PLAN VIEW FOR TOP OF PAVEMENT ELEVATIONS. PROPOSED STREET NAME SIGN & STOP SIGN SIDEWALK BY DEVELOPER	ENGINEER'S SEAL
4015	Image: Constraint of the second se				4015	CALE al: 1"=50' Interval: N/A BY: 6.J.M. BY: C.E.D. BY: J.L.A. 2000-228
4010		Image: Construction of the state of the	PROXIMATE III III III III IIII IIII IIII IIII IIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	CR STA: 4+57.19 CR ELEV: 4011.17	4010	AppvD. Job No.
-		$\begin{array}{c c c c c c c c c c c c c c c c c c c $	CR STA: 3+67.27 CR ELEV: 4010.41			N N
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4010		A.D.: -0.74 00000 0000 0000 0000<	APPROXIMATE	Z + 2	4010	
		Image: Solution of the soluti				
4005		BFGIN 0101010 010100 010100 010100 010000 010000 010000 010000 010000 010000 010000 010000 010000 010000 0100000 0100000 0100000 0100000 0100000 0100000 0100000 01000000 01000000 00000000	20.1104 20.009.666 27.0104 20.008 24.01050 24.010.50 25.0104 25.0104 25.0104 25.0104 26.008 27.0104 27.0104 27.0104 27.0104 27.0104 27.0104 27.0104 27.0105 27.0105 27.0105 27.0106	4010.26 4010.93 4010.72 4011.25 4011.27 MATCHLIN	4005	ES SU SUBI
		Image: selection of the				
4015		40.00' VC H </td <td></td> <td>CR STA: 4+61.86</td> <td>4015</td> <td>MARK AVIZO STREET</td>		CR STA: 4+61.86	4015	MARK AVIZO STREET
4010		O O	0.84%		4010	PLAN & PROFILE FROM STA. 0+00.00 TO STA. 5+50.00
4005			CR ELEV: 4010.41		4005	SHEET NO.
EXISTING GROUND ELEVATION	GROUND GROUND ELEVATION	4011.38 4010.25 4009.42 4010.08 4009.00 4008.58 4008.58 4009.00 4009.00 4009.16	4010.85 4010.90 4009.84 4010.34 4010.34 4010.18 4010.18	4010.47 4010.61 4010.28 4011.04 4011.04 4011.95		C6.10
		0+00 1+00 2+00 <u>PROFILE</u>	S+00 4+00	5+00 5+50		

			UTILITY	LOCATOR SE	RVICES					EET TUM) BY
CURVE C1	CURVE TABLE RADIUS LENGTH TANGENT CHORD BEARI 400.00' 109.89' 55.29' 109.54' N10'54'	ING DELTA 39"E 015*44'26" LINE BEARING LENGTH L1 N03*02'26"E 25.96'	EL PASO ELECTRIC EL PASO ENERGY (EL PASO WATER U MCI SURVEILLANCE TIME WARNER COMI TEXAS GAS SERVIC SBC AT&T U.S. SPRINT TELEC	COMPANY CORPORATION TILITIES MUNICATIONS E	(915) 543-5720 (915) 496-5244 (915) 594-5500 (800) MCI-WORK (915) 772-1123 (915) 680-7200 (800) 545-6005 (800) 852-3786 (800) 521-0579	BEF FOR FIELD	CREYOU E	DIG UTILITIES	RENCES – BENCHMARKS	AT POINT OF CURVE CENTERLINE 8'43'31" A DISTANCE OF 467.58 FI HERLY RIGHT OF WAY LINE OF JE. 4.90 (NAVD 88) (4005.40 CITY DA REVISIONS
	$\begin{array}{c} \underline{\text{IC} \ 4010.84}\\ R=30.00'\\ L=47.12'\\ Tan=30.00'\end{array}$	H N H H H H H H H H H H H H H H H H H H	(15)	,					REFEF	CITY MONUMENT BEEM BLVD., S08 FROM THE SOUTI MONTANA AVENL ELEVATION: 4014 DATE
ET 	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c c} & & & & \\ & & & & \\ & & & & \\ & & & & $	$ \begin{array}{c} 1 \\ R = 416.00' \\ L = 95.59' \\ Tan = 48.01' \\ \Delta = 13'09'56'' STA. 5+ \\ 5' SIDE WALK BY BUILDER \\ 5' PARKWAY \\ CONC. CURB & GUTTER (T) \\ 5+00 \\ \hline NC. CURB & GUTTER (T) \\ 5+00 \\ \hline NC. CURB & GUTTER (T) \\ \hline ST ARKWAY \\ DEWALK BY BUILDER \\ R = 384.00' \\ L = 83.75' \\ Tan = 42.04' \\ \Delta = 12'29'46'' \\ STA. 5+49.10 \\ \hline STA. 5+49$	CHLINE O STA. 5+50.00 SEE SHEET C6.11						Image: Sector
		EASEMENT			LEG		IRECTIONAL WHEELCHAI AMP BY BUILDER (TYP VI ELEVATIONS ARE SH F CURB. REFER TO PL OP OF PAVEMENT ELEV ROPOSED STREET NAM STOP SIGN IDEWALK BY DEVELOPE	R .) IOWN AT TOP AN VIEW FOR /ATIONS. E SIGN R	ENGINEER'S SEAL	BSO75 BS
								4015	CALE 1"= 30"	u. 1"=5' Interval: N/A PTEMBER 2021 3Y: G.J.M. 3Y: C.E.D. Y: F.Z. 3Y: J.L.A. 2000-228
OXIMATE NG GROU	ND 0.84%	CR STA: 4+57.19 SS CR CR ELEV: 4011.17						4010	Horizonto	Vertical: Vertical: DATE: <u>SE</u> DESIGN E DRAWN E CHKD. B APPVD. B JOB No.
	CR ELEV: 4010.41			 				4005		DWD
011.02	4010.12	010.50 010.50 010.26 010.26 010.26 010.33 010.33 010.32 010.72 01	011.21	011.77 4011.95 MATCHLINE @ STA. 5+50.00 SEE SHEET C6.11				4015 4010 4005	PROJECT TITLE	S SUEÑOS UNIT TWENTY REPLAT "A" SUBDIVISION IMPROVEMENTS
	4 4 4 4 4 4	A A A A A A A A A A A A A A						4015		SHEET TITLE
	0.84%	О Ш ПО ПО ПО ПО СК STA: 4+61.86 СК STA: 4+61.86 СК ELEV: 4011.21 ПО СК ELEV: 4011.21 ПО СК ЕLEV: 4011.21		 				4010 4010	MA P FR(RK AVIZO STREET 'LAN & PROFILE OM STA. 0+00.00 O STA. 5+50.00
	CR STA: 3+67.25_/ CR ELEV: 4010.41			 				4005		SHEET NO.
+ 4010.85	4009.84 4010.90 4010.26 4010.34	00 PWNT PWNT 4010.47 PVMT 4010.61 PVMT	4011.04	-20					C)6.1C



	00	+0	PROFILE		00	+8
4009.12	4008.61 PVMT 4008.92	4009.36			4013.05	4009.27
			9007			
				IC: 4 012:30 1		:LEV: 4013.28 √
85.401:X	PVI ELEV: 40 <u>PVI STA: 0+1</u> <u>PVI ELEV: 40</u> <u>PVI ELEV: 40</u> <u>CS: 0+46.0</u> <u>CE: 4009.0</u>	MUNIR KT	0104		-1.63 %	
00.99+0:AT2 N9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					CZ:010+ - 4-1-1
5A, 000, 7C			G104	LISES SUEMOS	8+12.00 4012.88 10:8+47.38	EIEV = 4013.29 $EIEV = 7+61.03$ $EEEV = 4013.45$ $VD = -2.24%$ $VD = -2.54%$ $VD = -0.00$
4008.87	4008.71 4008.85	4009.07			4012.90	4008.01
Renstron From Arp to 2% suder Arp to 2% suder		⊆	9007	CONSTRUCTION BOUNDARY CINE END CONSTRUCTION © STA. 8+47,38		10N FROM 2% CRO
PV ELEV: 4009.100 K: 48.70'	PVI ELEV: 4008 PVI ELEV: 4008 PVI ELEV: 4008 VCS: 0+46.00 VCE: 4008.82	MUNIR KHOUF STREET	0104	ТС: 4013 20+ РАУЕМЕИТ - ПРАЧЕМЕИТ - ПРАЧЕМЕИТ - ПРАЧЕМЕИТ - ПРАЧЕМЕИТ - ПРАЧЕМЕИТ - ПРАЧЕМЕИТ		
40.00' VC 40.00' VC			S107	CENTER EXISTING EXISTING EXISTING 	S: 8+12.00 S: 4012.74 STA: 8+47.38 5 5/4012.74	Y0.00 VC FLEV = 4013.12 K = 32.86 STA = 7+62.05 K = 32.86 STA = 7+62.05 STA = 7+013.12 V.0.00 VC
4009.18	4008.80 PVMT 4008.93	STA. 0+00 4008.69			4013.32	4010.43
			\$00 1			
A.D.: 0.00 K: 26891.80	×009 ^{·0} ×009 ^{·0} ×009 ^{·0} PVI ELEV: 4 VCE: 0+46.1 VCE: 4009.2	MUNIR KI	4010			NG GROUND PPROXIMATE CELEV: 4013.29
40.00' VC 40.00' VC 40.00' VC	4009.30 008.98 6	+ 00.00	S104	ькоыге ор слав Гертор Секізтіме	×05 ×05 VCS ×05 ×05 ×05 ×05 ×05 ×05 ×05 ×05	ELEV = 4013.35 K = 63.21 K = 63.21 LEEV = 7+80.57 K = 63.21
				NUIT TEN TRES SUEÑOS	⁸ 0 1 3 10	70.00° VC

DATE

Вλ

Oscar Villalobos







803.02,26	۲S	.97 . 44.210	M"62,79.01S	,42.901	22.29'	,68 [.] 601	400.00	C2
BEARING	ΓΙΝΕ	DELTA	BEARING	сновр	TANGENT	ГЕИСТН	RADIUS	CURVE
аат Эиіл				BLE	ΑΤ ΞΛЯΟ:	C		

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STORM SEMER CINE B	0865				\$	8" WATER LINE 8" WATER LINE 11/1. 3999.36	8". SEWER LINE	4000		
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REFERENCES - BENCHMARKS CITY MONUMENT AT POINT OF CURVE CENTERLINE RI BEEM BLVD., S08'43'31" A DISTANCE OF 467.58 FEE FROM THE SOUTHERLY RIGHT OF WAY LINE OF MONTANA AVENUE. ELEVATION: 4014.90 (NAVD 88) (4005.40 CITY DATU DATE REVISIONS B'		CALL 802:59'25"W 16.00 IELD LOCATING EXIST CALL BEARING LENG IELD LOCATING EXIST IELD L	(915) 543-5700 (915) 543-5700 (915) 545-5700 (915) 545-5700 (915) 545-500 (915) 545-500 (915) 543-5700 (915) 543-5700 (915) 543-5700 (915) 543-5700 (915) 543-5700	EL PASO ELECTRIC COMPANY EL PASO ENERGY CORPORATION EL PASO WATER UTILITIES MCI SURVEILLANCE MCI SURVEILLANCE TIME WARNER COMMUNICATIONS TEXAS GAS SERVICE SBC U.S. SPRINT TELECOMM U.S. SPRINT TELECOMM			Q(100) Expected (cfs) (cfs) 33.54 36.43 18.62 22.62 33.54 36.43 18.62 22.62 18.62 23.32	OUTPUT INFORMATION HYDRAULIC GRADE GRADE DO3.02 A,003.63 4,004.36 004.25 4,004.36	ОРАЯ ПРЕ С МАЗЯТ290 МАЗЯТ290 ПАУОН ПОУОО ПОУОО ПОУОО ПОУОО ПОООО ПООООО ПООООО ПОООООО ПОООООООООООООООООООООООООООООООООООО	ААЗЯТКАМ ТЯЗИЛ ТЯЗИИ П-1 3,996.00 D-4 4,000.60 D-4 4,000.60 D-5 3,996.00 D-4 4,002.17	
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NO FORMS REQUIRED. CONCRETE TO BE POURED IN PLACE 3000 P.S.I. CONC.

ROCK WALLS

MATERIALS: STONE FOR ROCK WALLS SHALL CONSIST OF QUARRIED LIMESTONE AS NEARLY UNIFORM IN SECTION AS IS PRACTICABLE. FIELD STONE OR SALVAGED STONE FROM ROCK WALLS SHALL BE USED ONLY WHERE DIRECTED BY THE ENGINEER. THE STONE SHALL BE DENSE, RESISTANT TO THE ACTION OF AIR AND WATER, CLEAN OF OLD MORTAR AND SUITABLE IN ALL RESPECTS FOR THE PURPOSE INTENDED.

MORTAR FOR THE ROCK WALLS SHALL CONSIST BY VOLUMES OF ONE (1) PART PORTLAND CEMENT, ONE-QUARTER TO ONE-HALF (1/4 TO 1/2) PART HYDRATED LIME, AND THREE (3) PARTS CLEAN, HARD, DURABLE SAND (2 1/4 TO 3 TIMES THE SUM OF THE VOLUMES OF CEMENT AND LIME COMBINED. SEE CITY BUILDING CODE PP. 14-3 AND 14-4). MORTAR SHALL BE TYPE S, ASTM SPECIFICATION C270-73. COMPRESSIVE STRENGTH = 1800 P.S.I. (28 DAYS). CONCRETE FOR THE FOUNDATION SHALL BE CLASS "A" (3000 P.S.I.). REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60. IF ROCK WALL IS FREQUENTLY EXPOSED TO WATER, LIME SHALL NOT BE USED AND THE PORTIONS SHALL BE ONE PART PORTLAND CEMENT AND THREE PARTS SAND.

CONSTRUCTION METHODS: PRIOR TO PLACING THE CONCRETE FOUNDATION, THE EXCAVATION FOR THE ROCK WALLS SHALL BE MADE TO THE PROPER SECTION, AND, IF CONSIDERED NECESSARY BY THE ENGINEER, THE BOTTOM OF EXCAVATION SHALL BE HAND-TAMPED AND SPRINKLED. THE EXCAVATED AREA FOR ROCK WALLS SHALL BE MOIST WHEN THE CONCRETE IS PLACED. REINFORCING STEEL SHALL BE PLACED CONTINUOUSLY AS SHOWN ON THE PLANS AND PROPERLY SUPPORTED THROUGHOUT THE PLACEMENT OF CONCRETE. THE SURFACE OF THE CONCRETE SHALL NOT BE TROWELED. THE CONCRETE SHALL BE CURED A MINIMUM OF 24 HOURS BEFORE ANY STONE OR MORTAR IS PLACED ON THE FOUNDATION. THE CONCRETE SHALL BE CURED A MINIMUM OF 48 HOURS BEFORE MORE THAN 300 POUNDS PER SQUARE FOOT OF STONE AND MORTAR IS PLACED ON THE FOUNDATION. CONTRACTOR SHALL EMBED THE FIRST FOUR INCHES OF THE FIRST LAYER INTO THE FRESH CONCRETE OF THE FOOTING.

STONE SHALL BE SELECTED AS TO SIZE AND SHAPE TO SECURE FAIRLY LARGE FLAT-SURFACED STONE WHICH MAY BE ERECTED WITH TRUE AND EVEN SURFACE FACES AND A MINIMUM OF EXPOSED MORTAR. ALL STONES SHALL BE THOROUGHLY CLEANED, WETTED, HAND-PLACED AND EMBEDDED IN MORTAR SO THAT NO STONES SHALL TOUCH EACH OTHER OR THE CONCRETE FOUNDATION BUT SHALL BE FIRMLY BOUND TOGETHER WITH MORTAR. THE FINISHED SURFACE SHALL PRESENT A NEAT, CLEAN, WORKMANLIKE AND TRUE-TO-LINE APPEARANCE. THE INTERIOR OF THE ROCK WALL SHALL BE COMPLETELY FILLED WITH SPALLS AND PIECES OF THE SPECIFIED STONE, COMPLETELY EMBEDDED AND SURROUNDED BY MORTAR WITH NO VOIDS.

THE ERECTION OF THE ROCK WALL SHALL NOT BE MORE THAN THREE FEET IN HEIGHT FOR EVERY 24-HOUR PERIOD TO ALLOW FOR THE LOWER PORTIONS TO BECOME SUFFICIENTLY SET. ALL STONES SHALL BE THOROUGHLY WET BEFORE BEING PLACED IN FRESH MORTAR. THE LAST LAYER OF ROCK PRIOR TO BREAK OF CONSTRUCTION PHASE SHALL NOT HAVE ANY MORTAR ON TOP. FRESH MORTAR MUST BE USED FOR CONTINUATION OF WORK FOLLOWING ERECTION BREAK.

WEEP HOLES SHALL BE PLACED ON THE ROCK WALL AS SHOWN ON THE PLANS. THE WEEP HOLES SHALL BE NOT MORE THAN TEN FEET APART ON-CENTER. THE WEEP HOLES SHALL CONSIST OF FOUR-INCH VITRIFIED CLAY PIPE, OR OTHER PIPE AS APPROVED BY THE ENGINEER, NEATLY CUT TO THE EXPOSED SURFACE OF THE ROCK WALL. NO LESS THAN ONE CUBIC FOOT OF ONE-INCH TO 3/4-INCH OF GRADED GRAVEL SHALL BE PLACED AT THE INLET OF EACH WEEP HOLE AS SHOWN ON THE PLANS.

— 6" MAX

<u>LEGEND</u>

PERMITTED.

DETECTABLE WARNING SURFACE SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A NOMINAL DIAMETER OF 0.9 IN, A NOMINAL HEIGHT OF 0.2 IN AND A CENTER TO CENTER NOMINAL SPACING OF 2.35 IN, AND SHALL NOT BE STAGGERED. THE SURFACE SHALL BE A MINIMUM OF 70% CONTRAST IN LIGHT REFLECTANCE BETWEEN THE DETECTABLE WARNING AND AN ADJOINING SURFACE, OR THE DETECTABLE WARNING SHALL BE "RED BRICK" COLOR, UNLESS OTHERWISE DIRECTED BY THE CITY OF EL PASO ROAD AND BRIDGE DEPARTMENT. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE. ADA TILE SHALL BE PROVIDED BY PLACING AND MIXING TINT IN THE PLASTIC CONCRETE USED FOR THE DETECTABLE WARNING SURFACE. NO PAINTING OF SURFACE SHALL BE

HANDICAP RAMPS NOTES:

- 1. ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL STILL DRAIN PROPERLY SHOULD BE USED. RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
- 2. THE MINIMUM SIDEWALK WIDTH IS 5'. WHERE A 5' SIDEWALK CAN NOT BE PROVIDED DUE TO SITE CONSTRAINTS, A MINIMUM 3' SIDEWALK WITH 5'X 5' PASSING AREAS AT INTERVALS NOT TO EXCEED 200 FT IS REQUIRED.
- 3. LANDINGS SHALL BE 5' X 5' MINIMUM WITH A MAXIMUM 2% SLOPE IN ANY DIRECTION. 4. MANEUVERING SPACE AT THE BOTTOM OF CURB RAMPS SHALL BE A MINIMUM OF 4'X 4'
- WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH. 5. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS
- WOULD NOT NORMALLY WALK ACROSS THE RAMP. OTHERWISE, FLARED SIDES SHALL BE PROVIDED.
- 6. ALL CONCRETE SIDEWALK SURFACES SHALL RECEIVE A LIGHT BROOM FINISH UNLESS NOTED OTHERWISE IN THE PLANS.
- 7. RAMP TEXTURES MUST CONSIST OF TRUNCATED DOMED SURFACES. TEXTURES ARE REQUIRED TO BE DETECTABLE UNDERFOOT. SURFACES THAT WOULD ALLOW WATER TO ACCUMULATE ARE PROHIBITED. REFER TO TRUNCATED DOME DETAIL.
- 8. CROSSWALK DIMENSIONS, CROSSWALK MARKINGS AND STOP BAR LOCATIONS SHALL BE AS SHOWN ELSEWHERE IN THE PLANS. AT INTERSECTIONS WHERE CROSSWALK MARKINGS ARE NOT REQUIRED, RAMPS SHALL BE ALIGNED WITH THEORETICAL CROSSWALKS, OR AS DIRECTED BY THE ENGINEER.
- 9. MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND RAMP SURFACES IS 2%.
- 10. ADDITIONAL INFORMATION ON CURB RAMP LOCATION, DESIGN, LIGHT REFLECTIVE VALUE AND TEXTURE MAY BE FOUND IN THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS) PREPARED AND ADMINISTERED BY THE TEXAS DEPARTMENT OF LICENSING AND REGULATION (TDLR).

DOME ALIGNMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES. DETECTABLE WARNING SURFACES SHALL EXTEND 24 INCHES (610 mm) MINIMUM IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE CURB RAMP, LANDING, OR BLENDED TRANSITION.

CONTRAST. THERE SHALL BE A MINIMUM OF 70 PERCENT CONTRAST IN LIGHT REFLECTANCE BETWEEN THE DETECTABLE WARNING AND AN ADJOINING SURFACE, OR THE DETECTABLE WARNING SHALL BE "RED BRICK" COLOR, UNLESS OTHERWISE DIRECTED BY THE OWNER. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE. ADA CERTIFIED "ARMOR-TILE REQUIRED). CONCRETE POURED TRUNCATED DOMES NOT ALLOWED. NO PAINTING OF SURFACE SHALL BE PERMITTED.

EQUIVALENT USCS AND AASHTO SOIL CONDITIONS FOR SOIL DESIGNATION

INSTALLATION TYPE	BEDDING THICKNESS	HAUNCH AND OUTER BEDDING	LOWER SIDE
TYPE 1	OD/24 MINIMUM; NOT LESS THAN 3-INCH. IF ROCK FOUNDATION =, USE OD/12 MINIMUM; NOT LESS THAN 6-INCH	95% CATEGORY I	95 90 85 80
TYPE 2	OD/24 MINIMUM; NOT LESS THAN 3-INCH. IF ROCK FOUNDATION =, USE OD/12 MINIMUM; NOT LESS THAN 6-INCH	95% CATEGORY I OR 95% CATEGORY	95 90 85 80
TYPE 3	OD/24 MINIMUM; NOT LESS THAN 3-INCH. IF ROCK FOUNDATION =, USE OD/12 MINIMUM; NOT LESS THAN 6-INCH	100 95 90 85	90 85 80 75
TYPE 4	OD/24 MINIMUM; NOT LESS THAN 3-INCH. IF ROCK FOUNDATION =, USE OD/12 MINIMUM; NOT LESS THAN 6-INCH	100 95 90	90 85 80

SOIL	REPRESENTATIVE	SOILS TYPE	PERC COMPA	ENT CTION
	USCS ASTM PRACTICE D2487	AASHTO M-145	SATNDARD PROCTOR	MODIFIED PROCTOR
CATEGORY I	CLEAN, COARSE GRAINED SOILS; SW, SP, GW, GP OR ANY SOIL BEGINNING WITH ONE OF THESE SYMBOLS WITH 12% OR LESS PASSING PASSING #200 SIEVE	A-1, A-3	100 95 90 85	95 90 85 80
CATEGORY II	CLEAN, COARSE GRAINED SOILS WITH FINES; GM, GC, SM, SC OR ANY SOIL BEGINNING WITH ONE OF THESE SYMBOLS, CONTAINING MORE THAN 12% PASSING #200 SIEVE SANDY OR GRAVELLY FINE-GRAINED SOILS: CL, ML (OR CL-ML, CL/ML, ML/CL) ON A #200 SIEVE	A-2-4, A-2-5, A-2-6, A-4 OR A-6 SOILS WITH 30% OR MORE RETAINED ON A #200 SIEVE	100 95 90 85	95 90 85 80
CATEGORY III	FINE-GRAINED SOILS: CL, ML, OR (CL-ML, CL/ML) WITH LESS THAN 30% TETAINED ON A #200 SIEVE	A-2-7, A-4 OR A-6 WITH LESS THAN 30% RETAINED ON A #200 SIEVE	100 95 90 85	90 85 80 75
CATEGORY IV BUT NOT ALLOWED FOR HAUNCH OR BEDDING	MH, CH, OL, OH, PT	A-5, A-7	100 95 90	90 85 80

(1)

(4)¬

12"

3"X3"X3/16" SQUARE STEEL TUBING

2" x 1" x 14 GA. RECTANGULAR STEEL TUBING $1 \frac{1}{2}$ x $\frac{1}{2}$ x 16 GA. RECTANGULAR STEEL TUBING

BY

- 2" x 1" X 10 GA. RECTANGULAR STEEL TUBING
- FLAT TOP POLYVINYL CAPS (TYPICAL)
- BOLT HOOK AND STRAP HINGE
- 1'x 3' DEEP 3000 PSI CONCRETE POST FOOTING
- DOUBLE GATE HEAVY DUTY INDUSTRIAL LATCH W/PAD LOCK
- 5" x 5" x 3/8" SQUARE STEEL SLEEVE W/7" x 7" x 3/8" BASE PLATE (1) CANE BOLT LATCH W/KEEPER 5-8" X 18" LONG (2 REQUIRED)

- SPECIFIED FOR THE BEDDING MATERIAL.
- THE FOUNDATION SHALL BE STABILIZED.

- NOT EXCEED THE PIPE DESIGN STRENGTH.

Oscar Villalobos

BY

.0	OCK & END) SILL KEY	S			
	L3	H1	H2	H3	W	EXIT VELOCITY (2)
	9.21'	0.82'	1.65'	0.34'	10.80'	5.17 FPS

SIGN ASSEMBLY 9" STREET NAME PITS, & HOLES DIE CAST FREE OF BURRS, STREET NAME SIGNS ROJ TUOYAJ BRACKET MATERIALS TO BE 385 ALUMINUM ALLOY TENSILE STRENGTH 4900 P.S.I. STREETS 9" 24", 30", 36" 6" C.D. SERIES 4.5" C.D. SERIES ARTERIAL 12" 30" 36", 42" 8" C.D. SERIES 4.5" C.D. SERIES 14" 15" 20" 36", 42" 8" C.D. SERIES 4.5" C.D. SERIES 15" <th15"</th> <th15"</th> <th15"</th> \odot IGN CLASS HEIGHT SIGN SIGN LENGTH GENERAL NOTES 9" STREET NAME SIGN В 16° − 18 ТНRЕАD МТН LOCK WASHER

nibN 12" STREET NAME SIGN **UIBW**

1202/22/20

NOTES:

DATE

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PROOF CENTER PIN DESIGN)

PROOF CENTER PIN DESIGN)

-5/16" × 5/16" SET SCREW

-ИЛЕКИАС АLLEN HEAD TAMPER-

-ЯЭЯМАТ ДАЭН ИАЛА ЛАИЯЕЯ-

STREET NAME SIGNS SPECIFICATIONS FOR REFLECTORIZED

- ВАСКЕКОИИД МІТН ЗІГЛЕК СОРУ). MUST BE REFLECTORIZED SILVER WHITE (GREEN REVERSE SCREENED ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. THE LEGEND TRAFFIC CONTROL DEVICES AND PART II-D (2D-39) OF THE MANUAL CREEN BACKGROUND. STREET NAME SIGNS SHALL COMPLY WITH UNIFORM I. COLOR OF SIGNS : THE FINISHED SIGN MUST HAVE A REFLECTORIZED
- SIGNS" PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION. LETTERS IN ACCORDANCE WITH "STANDARD ALPHABETS FOR HIGHWAY 2. LETTER DESIGN: THE LETTERING OF ALL LEGENDS MUST BE MIXED CASE
- BETWEEN ELEMENTS IN THE PRIMARY LEGEND. (2-1/2) THIS CONTROL MUST BE USED AS THE RESTHETIC WORD SPACE MUST BE THE AESTHETIC CONTROL (100%). TWO AND ONE-HALF TIMES LIWES THE WIDTH OF THE STROKE OF THE LETTER SERIES TO BE USED BETWEEN TWO STRAIGHT LETTERS (HN). A SPACING CONTROL OF TWO LAYOUT IS THE DISTANCE RECOGNIZED AS RESTHETIC SPACING 3. LETTER SPACING: THE CONTROL FOR THE SPACING VALUES IN TRAFFIC
- CONDENSED UP TO 25% IN 5% INCREMENTS. CONTROL (100%) FOR THE SERIES USED MUST BE EXPANDED OR WIDEST LETTER SERIES POSSIBLE FOR THAT LEGEND AND THE SPACING ON A GIVEN LENGTH STREET NAME FACE MUST BE DETERMINED BY THE 4. LAYOUT: THE MAXIMUM NUMBER OF LETTERS TO BE ACCOMMODATED
- MARGIN WITH MINIMUM OF 1". EXPANDED OR CONDENSED UP TO 25% IN 5% INCREMENTS FOR THE END 5. THE SPACING CONTROL (100%) FOR THE SERIES USED MUST BE
- BUT NOT CONDENSED. 6. THE WORD SPACE MUST BE EXPANDED UP TO 25% IN 5% INCREMENTS
- AESTHETIC WORK SPACE USED IN THE PRIMARY LEGEND. 7. SPACE BETWEN PRIMARY AND BLOCK NUMBER AREA MUST BE 1/2 THE
- LETTERS 3" IN HEIGHT AND LOWERCASE LETTERS 2.25" IN HEIGHT. STREET MAY BE IN SMALLER LETTERING COMPOSED OF INITIAL UPPER-CASE CASE LETTERS ON ALL OTHER STREETS. LETTERING TO INDICATE THE TYPE OF STREET NAME MUST HAVE 6" INITIAL UPPER-CASE LETTERS AND 4.5" LOWER 8. SIZE OF LEGEND: FOR 9" STREET NAME SIGNS, THE PRIMARY LEGEND, OR
- THE SIGN FACE AND THE STREET NAME CENTERED IN THE REMAINING SPACE. RIGHT CORNER AND THE BLOCK NUMBER IN THE LOWER RIGHT CORNER OF SUFFIX, AND BLOCK NUMBER. THE SUFFIX WILL BE LOCATED IN THE UPPER 9. POSITION OF LEGEND: EACH SIGN FACE WILL CONSIST OF THE STREET NAME,
- PANEL OF REFLECTIVE SHEETING. NOT PERMITTED. SIGN FACES MUST BE COMPRISED OF ONE PIECE OR BY THE SHEETING MANUFACTURER. CUT-OUT OR APPLIED LEGENDS ARE SHEETING. TRANSPARENT PROCESS COLORS MUST BE AS RECOMMENDED SCREENING GREEN TRANSPARENT COLOR OVER SILVER REFLECTIVE 10. SIGN FABRICATION: THE SIGN FACE MUST BE FABRICATED BY REVERSE
- USED IN THE FABRICATION OF THE STREET NAME SIGN FACES. 11. TYPE OF SHEETING: ENGINEER GRADE REFLECTIVE SHEETING MUST BE

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LINE	BEARING	LENGTH									
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L2	N86 ° 57'31"W	366.56'	L9	S87 ° 00'35"E	192.01'	L16	N03°02'25"E	417.25'	L23	N86*57'31"W	166.21'
L3	N03°02'24"E	266.00'	L10	N03 ° 02'29"E	262.00'	L17	N86 ° 57'32"W	216.73'	L24	N86*57'31"W	133.30'
L4	N86 • 57'31"W	366.57'	L11	S87°00'31"E	183.30'	L18	N86 ° 57'35"W	34.00'	L25	S03 ° 03'05"W	144.00'
L5	N03°02'29"E	272.00'	L12	N03°02'29"E	262.00'	L19	S48°02'03"W	5.66'	L26	N86*57'31"W	213.73'
L6	N86 ° 57'31"W	366.57'	L13	N03°02'29"E	417.02'	L20	N86°57'29"W	118.19'	L27	N03°02'26"E	33.96'
L7	N03°02'29"E	136.76'	L14	N87°00'35"W	265.93'	L21	N86*57'31"W	183.81'	L28	N03°02'26"E	39.39'

		С	URVE TA	BLE	
CURVE	RADIUS	LENGTH	TANGENT	CHORD	
C1	405.00'	111.26'	55.98'	110.91'	1
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	CURVE C1 C2	CURVE RADIUS C1 405.00' C2 395.00'	CURVE RADIUS LENGTH C1 405.00' 111.26' C2 395.00' 108.52'	CURVE RADIUS LENGTH TANGENT C1 405.00' 111.26' 55.98' C2 395.00' 108.52' 54.60'	CURVE TABLE CURVE RADIUS LENGTH TANGENT CHORD C1 405.00' 111.26' 55.98' 110.91' C2 395.00' 108.52' 54.60' 108.18'

GENERAL NOTES

- 1. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, THE PROPOSED WATER MAINS SHALL BE INSTALLED NO LESS THAN TEN (10') FEET AWAY FROM EXISTING SEWER LINE. SEPARATIONS DISTANCES SHALL FOLLOW TCEQ STANDARD REQUIREMENTS (\$290.44). 2. THE INTENT OF THE OWNER IS TO HAVE THE WATER MAINS INSTALLED TO SUCH A DEPTH THAT THEY WILL HAVE AT LEAST SIXTY (60") INCHES FROM INVERT OF PIPELINE TO PROPOSED ELEVATIONS AT ALL LOCATIONS. THE PIPELINES SHALL HAVE NO DIPS, ELEVATIONS AT ALL LOCATIONS. THE PIPELINES SHALL HAVE NO DIPS, SAGS OR HUMPS OR OTHER IRREGULARITIES IN VERTICAL ALIGNMENT. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO INSTALLING THE WATER PIPELINE SO THAT AN ACCEPTABLE PROFILE CAN BE ESTABLISHED PRIOR TO INSTALLATION OF THE PIPELINE.
- 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN IN THE PLANS, AND COORDINATE WORK WITH ALL UTILITY COMPANIES, EL PASO WATER UTILITIES AND CITY OF EL PASO.
- 4. TRENCH SAFETY REQUIREMENTS SHALL BE AS REQUIRED BY OSHA.
- 5. AS-BUILT STATIONING, OFFSET FROM R.O.W. AND INVERT ELEVATIONS SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR ON A CLEAN SET OF PLANS FOR EACH VALVE, FIRE HYDRANT, ELBOW, SERVICE CONNECTION AND/OR STUB-OUT, WITH RESPECT TO THE APPROPRIATE PROJECT CONTROL POINT.
- 6. THE EL PASO WATER UTILITIES AND CITY OF EL PASO MUST BE NOTIFIED FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING ANY WORK IN AREAS WITHIN THEIR JURISDICTION.
- EXISTING STREETS, DRIVEWAYS, PARKING LOTS, MAILBOXES, SIGNS, CHAIN-LINK FENCES, AND ALL OTHER MISCELLANEOUS STRUCTURES DAMAGE OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ORIGINAL OR BETTER THAN ORIGINAL CONDITION AT NO COST TO OWNER.
- 8. TRAFFIC CONTROL SHALL BE IN PLACE PRIOR TO INITIATING WORK.
- 9. ALL TIE-INS SHALL BE CLOSELY COORDINATED WITH THE EL PASO WATER UTILITIES AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO ACTUAL CONSTRUCTION.
- 10. CONTRACTOR SHALL PROVIDE THE REQUIRED COUPLINGS, ELBOWS AND NECESSARY PIPING APPURTENANCES FOR A COMPLETE AND OPERATIONAL WATER SYSTEM.
- 11. ALL NEW VALVES SHALL BE ALIGNED PERPENDICULAR TO PROPERTY LINES.
- 12. CONSTRUCTION OF THE PUBLIC WATER AND SEWER SYSTEM INCLUDING MATERIALS AND TESTING SHALL CONFORM EPWU-PSB SPECIFICATIONS FOR THE INSTALLATION OF WATER MAINS, SEWER MAINS AND RELATED APPURTENANCES.
- 13. FIRE HYDRANTS SHALL BE INSTALLED IN THE PARKWAY AREA. 14. THE WATER METERS FOR THE PROPOSED WATER SERVICE CONNECTIONS SHALL BE INSTALLED ON THE PARKWAYS. SYMBOLS ARE ONLY SHOWN FOR DEPICTION PURPOSES ONLY.

SECTION 26, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAIL ROAD COMPANY SURVEYS

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GENERAL NOTES

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- 2. THE INTENT OF THE OWNER IS TO HAVE THE SANITARY SEWER PIPELINES INSTALLED TO SUCH A DEPTH THAT THEY WILL HAVE AT LEAST FORTY-EIGHT (48") INCHES OF COVER BELOW PROPOSED GROUND AT ALL LOCATIONS. THE PIPELINES SHALL HAVE NO DIPS, SAGS OR HUMPS OR OTHER IRREGULARITIES IN VERTICAL ALIGNMENT. CONSIDERING UTILITIES AND OTHER CONDITIONS, VARIANCE FROM GRADE PROFILE IS NOT RECOMMENDED IF OTHER EXISTING UTILITIES OR OBSTRUCTIONS ARE ENCOUNTERED DURING THE WORK. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO INSTALLING THE SEWER PIPELINE SO THAT AN ACCEPTABLE PROFILE CAN BE ESTABLISHED PRIOR TO INSTALLATION OF THE PIPELINE.
- 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD LOCATE ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN IN THE PLANS, AND COORDINATE HIS WORK WITH ALL UTILITY COMPANIES, EL PASO WATER UTILITIES AND CITY OF EL PASO PRIOR TO CONSTRUCTION. ALL EXISTING UTILITY DEPTHS ARE UNKNOWN. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR ACQUIRING FIELD DEPTHS OF ALL UTILITIES WITH THE PROJECT AREAS.
- 4. TRENCH SAFETY REQUIREMENTS SHALL COMPLY WITH CURRENT OSHA REGULATIONS.
- 5. AS-BUILT STATIONING, OFFSET FROM R.O.W. AND INVERT ELEVATIONS SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR ON A CLEAN SET OF PLANS FOR EACH MANHOLE, SERVICE CONNECTION AND/OR STUB-OUT, WITH RESPECT TO THE APPROPRIATE PROJECT CONTROL POINT.
- 6. THE EL PASO WATER UTILITIES AND CITY OF EL PASO MUST BE NOTIFIED FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING ANY WORK IN AREAS WITHIN THEIR JURISDICTION. A COPY OF ALL FIELD SOIL DENSITY TESTS WITHIN THEIR RESPECTIVE R.O.W. SHALL BE FORWARDED TO THE DEVELOPER'S ENGINEER AND THE DEVELOPER BY THE CONTRACTOR.
- 7. EXISTING STREETS, DRIVEWAYS AND ALL OTHER MISCELLANEOUS STRUCTURES DAMAGE OR REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO ORIGINAL OR BETTER THAN ORIGINAL CONDITION.
- 8. CONSTRUCTION OF THE PUBLIC WATER AND SEWER SYSTEM INCLUDING MATERIALS AND TESTING SHALL CONFIRM TO EPWU-PSB STANDARD SPECIFICATIONS FOR THE INSTALLATION OF WATER MAINS, SEWER MAINS AND RELATED APPURTENANCES.

	UTILITY LOCATOR SERVICES		RICH TUM) BY
LINE B Subdivision Boundary Line 25 26 27 28 29 30 31	EL PASO ELECTRIC COMPANY (915) 543-5720 EL PASO ENERGY CORPORATION (915) 496-5244 EL PASO WATER UTILITIES (915) 594-5500 MCI SURVEILLANCE (800) MCI-WORK TIME WARNER COMMUNICATIONS (915) 772-1123 TEXAS GAS SERVICE (915) 680-7200 SBC (800) 545-6005 AT&T (800) 852-3786 U.S. SPRINT TELECOMM (800) 521-0579	BEFORE YOU DIG CALL 811 FOR FIELD LOCATING EXISTING UTILITIES	VCES – BENCHMARKS POINT OF CURVE CENTERLINE 3'31" A DISTANCE OF 467.58 FE RLY RIGHT OF WAY LINE OF RLY RIGHT OF WAY LINE OF RLY RIGHT OF WAY LINE OF REVISIONS
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	UTILITY LOCATOR SERVICES		HL (W
LINE B 66 - SUBDIVISION BOUNDARY LINE 25 26 27 28 29 30 31	EL PASO ELECTRIC COMPANY (915) 543-5720 EL PASO ENERGY CORPORATION (915) 496-5244 EL PASO WATER UTILITIES (915) 594-5500 MCI SURVEILLANCE (800) MCI-WORK TIME WARNER COMMUNICATIONS (915) 772-1123 TEXAS GAS SERVICE (915) 680-7200 SBC (800) 545-6005 AT&T (800) 852-3786 U.S. SPRINT TELECOMM (800) 521-0579	BEFORE YOU DIG CALL 811 FOR FIELD LOCATING EXISTING UTILITIES	NCES – BENCHMARKS T POINT OF CURVE CENTERLINE RI 3'31" A DISTANCE OF 467.58 FEE RLY RIGHT OF WAY LINE OF RLY RIGHT OF WAY LINE OF RLY RIGHT OF WAY LINE OF REVISIONS B8) (4005.40 CITY DATL REVISIONS B
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No. No. No. No. 1 2 3 SECTION 26, BLOCK 79, TOWNSHIP 2, TOWNSHIP 2, TEXAS AND PACIFIC RAIL ROAD COMPANY SURVEYS		Exw Exw EXISTING WATER LINE Exs EXISTING SEWER LINE PROPOSED SEWER LINE ON ANOTHER SHEET (PLAN VIEW) PROPOSED SEWER LINE W PROPOSED WATER SERVICE S PROPOSED SEWER SERVICE	 813 N. Kansas St. 813 N. Kansas St. Suite 300 El Paso, TX 79902 915.544.5232 915.544.5232 Mww.ceagroup.net Meering Firm F-4564
		PROPOSED SEWER MANHOLE	REGISTERED ENGI
ING GROUND FINISH GROUND STA. 2+82.00 RIM: 4007.46 FINISH GROUND © STA. 4+77.00 Image: Star in the st		4010	SEAL RAIL 9/13/21
and and and and and and and and 8" P.V.C. © 0.33% and and and and and 8" P.V.C. © 0.33% and and and and 311 G.P.M. INV. 3999.63 by by DETAIL No. 16 by CASE No. 3 CASE No. 3 cement stabilized and BACK FILL PROPOSED 8" CAP-1 and	Image: sector	4005	ENGINEER'S JORGE L AZCA
48" STORM PIPE TO BE CENTERED ON STA: 2+86.99 INV. 4000.31 END CONSTRUCTION INV: 3992.30 INV: 3992.30 INV. 4000.31 INV. 4000.31 END CONSTRUCTION 2+00 PROFILE 3+00 4+00 5+00 6+00		3995	SCALE Horizontal: 1"=40' Vertical: 1"=5' Contour Interval: N/A DATE: SEPTEMBER 2021 DESIGN BY: G.J.M. DRAWN BY: E.Z. CHKD. BY: F.Z. APPVD. BY: J.L.A. JOB No. 2000–228
LINE H	<image/> <image/>	<image/> <text><text></text></text>	SUEÑOS UNIT TWENTY TWO REPLAT "A" UBDIVISION IMPROVEMENTS
SUBDIVISION BOUNDARY LINE Image: Subdivision Boundary Line Image: Subdivision Boundary Line Image: Subdivision Boundary Line Ima	Image: Sector	4010	SHEET TITLE
Image: State of the second		4005	SANITARY SEWER PLAN & PROFILE LINE B & H
INV. 4000.61 DETAIL No. 161 PROPOSED 8" CAP END CONSTRUCTION 42" STORM PIPE CASE No. 3 STA: 1+96.28 END CONSTRUCTION 5TA. 0+05.00 BACK FILL. INV. 4001.40 © STA. 1+96.28 INV: 3993.04 9 1 1		4000	SHEET NO.

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	UTILITY EL PASO ELECTRIC (EL PASO ENERGY CO EL PASO WATER UTI MCI SURVEILLANCE TIME WARNER COMM TEXAS GAS SERVICE SBC AT&T U.S. SPRINT TELECO	LUCATOR SE COMPANY ORPORATION ILITIES UNICATIONS	(915) 543–5720 (915) 496–5244 (915) 594–5500 (800) MCI–WORK (915) 772–1123 (915) 680–7200 (800) 545–6005 (800) 852–3786 (800) 521–0579	BEF FOR FIELD I	WARNING ORE YOU CALL 81	DIG 1 IG UTILITIES	NCES – BENCHMARKS	1 POINT OF CURVE CENTERLINE RIC 3'31" A DISTANCE OF 467.58 FEET RLY RIGHT OF WAY LINE OF 2 (NAVD 88) (4005.40 CITY DATUM	REVISIONS BY
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OCK 79, 2, ACIFIC MPANY					PROPOSED SEWER LIN PROPOSED SEWER ANOTHER SHEET (F PROPOSED SEWER PROPOSED WATER PROPOSED SEWER PROPOSED SEWER	NE LINE ON PLAN VIEW) LINE SERVICE MANHOLE	813 N Kancas	Suite 300 El Paso, TX 799 915.544.5232	TEXAS REGISTERED ENGINEERING FIRM F-45
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						4005 4000	<u>SCALE</u> rizontal: 1"=40'	rtical: 1"=5' ntour Interval: N/A TE: SEPTEMBER 2021 SIGN BY: G.J.M.	AWN BY: E.2. IKD. BY: F.2. PVD. BY: J.L.A. B No. 2000-228
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-SUBDIVISION BOUNDARY LINE **O** STA: 11+34.32 -PROPOSED 8" CAP SECTION 26, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAIL ROAD COMPANY SURVEYS

Oscar Villalobos BY

DIVISION BOUNDARY I TA. 11+34.32	LINE						
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12+00			0+	-00	1+	-00 <u>F</u>	PROFILE

09/22/2021

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OPERATING CONDITION. STRUCTURAL MEASURES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN EFFECTIVE

AND INSPECTORS NAME. STRUCTURAL CONTROLS, MATERIAL STORAGE AREAS, VEHICLES ENTRANCE AND EXITS: ACTIONS TAKEN DOCUMENTATION OF MAINTENANCE ACTIVITIES INCLUDING FREQUENCY, LOT DESIGNATION, INSPECTION OF

3. CONSTRUCTION SITE NOTICE WILL BE MAINTAIN ON SITE.

4. COPY OF SWPPP SHALL BE KEPT ON SITE.

TERMINATION AND FINAL STABILIZATION OF PROJECT. 5. PERIMETER MUST RETAIN THE SWPS NOI AND INSPECTION LOG FOR A MINIMUM OF 3 YEARS FROM THE

WASTE MATERIALS:

SHALL BE HAULED TO A LICENSED LANDFILL. AS NECESSARY OR AS REQUIRED BY ORDINANCE 9.04 (SOLID WESTE MANAGEMENT) AND THE TRASH AND REMOVAL OF WASTE MATERIALS DURING CONSTRUCTION). THE DUMPSTER SHALL BE EMPTIED BURIED ON SITE. THE TRANSIT DUMPSTER SHALL COMPLY WITH ORDINANCE 18.52.010 (ENCLOSURE IN A SECURELY LIDDED METAL DUMPSTER. NO CONSTRUCTION WASTE MATERIAL SHALL BE ALL WASTE MATERIALS, INCLUDING CONSTRUCTION DEBRIS, SHALL BE COLLECTED AND STORED

: **JTSAW SUOGAASAH**

THE FIRE DEPT. AND TNRCC. SPILL WHICH MAY BE HAZARDOUS, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION AND CONTACT ADDITIVES FOR SPILL STABILIZATION, CURING COMPOUNDS AND ADDITIVES. IN THE EVENT OF A PAINT, ACIDS FOR CLEANING MASONRY SURFACES, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES SHALL BE CONSIDERED HAZARDOUS:

: JTSAW YAATINAS

CONTRACTOR. ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. OR AS REQUIRED, CHAPTER 18.08 (BUILDING CODE), BY A LICENSED SANITARY WASTE MANAGEMENT ALL SANITRRY WESTE SHALL BE COLLECTED FROM THE CONSTRUCTION PORTABLE UNITS AS NECESSARY

SPILL PREVENTION:

EXPOSURES OF MATERIALS TO STORM WATER RUNOFF. THE FOLLOWING PRACTICES SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL

COOD HONZEKEEDING:

- A. STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB
- B. NEATLY STORE MATERIALS ON-SITE IN AN ORDERLY MANNER
- C. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER
- D. DO NOT MIX SUBSTANCES WITH ONE ANOTHER, UNLESS OTHERWISE
- RECOMMENDED BY THE MANUFACTURER
- F. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL E. USE ENTIRE CONTENTS OF A PRODUCT BEFORE DISPOSING THE CONTAINER

:STOUDOA9 SUODAASAH

- PRACTICES USED TO REDUCE RISKS:
- A. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER IF AT ALL POSSIBLE
- RETAIN ORIGINAL LABELS, PRODUCT INFORMATION AND MATERIAL
- SAFETY DATA SHEETS (MSDS)
- C. DISPOSE SURPLUS PRODUCT IN ACCORDANCE WITH MANUFACTURER'S

OR LOCAL & STATE RECOMMENDED METHODS

IN TICHTLY SEALED CONTRINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED ALL ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE PETROLEUM PRODUCTS:

A. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY SPILL CONTROL PRACTICES: USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.

POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES:

- B. MATERIALS AND EQUIPMENT NECESSARY FOR CLEANUP SHALL BE KEPT IN THE
- MATERIAL STORAGE AREA ON-SITE:
- C. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY
- BE MOKN: D. SPILL AREA SHALL BE WELL VENTILATED AND APPROPRIATE CLOTHING WILL

E. ANY SPILL SHALL BE REPORTED TO THE APPROPRIATE GOVERNMENTAL AGENCY

- STABILIZED CONSTRUCTION ENTRANCE

OBSERVED DURING CONSTRUCTION:

OFFSITE VEHICLE TRACKING:

OF THE FINISHED WORK.

REMARKS:

- EXCESS DIRT ON ROAD SHALL BE REMOVED IMMEDIATELY

- HAUL ROADS SHALL BE DAMPENED FOR DUST CONTROL

- LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPAULIN

WILL BE CONDUCTED MONTHLY, BEST MANAGEMENT PRACTICES AND POLLUTION CONTROL

OF 0.5 INCHES OR MORE. INSPECTION IN FINAL STABILIZED AREAS OR DURING ARID PERIODS

ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED AT LEAST ONCE A MONTH OR

WITHIN 24-HOURS PRIOR TO ANTICIPATED STORM EVENT AND FOLLOWING A STORM EVENT

IN ADDITION TO THE STABILIZED CONSTRUCTION ENTRANCES, THE FOLLOWING MEASURES SHALL BE

DEBRIS OR OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT A PART

AREAS SHALL NOT BE LOCATED IN ANY WETLAND, WATERBODY OR STREAMBED. CONSTRUCTION STAGING

AS PRACTICABLE OF TEMPORARY EMBANKMENT, TEMPORARY BRIDGES, MATTING, FALSEWORK, PILING

MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS. ALL WATERWAYS SHALL BE CLEANED AS SOON

MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER RECEIVING WATERS. DISPOSAL

DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL

A NI ACHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A

SHEET NO.

GENERAL NOTES

PREVENTION PLAN:

POLLUTION

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MAINTENANCE AND INSPECTION PROCEDURES:

PROCEDURES SHALL BE INSPECTED FOR ADEQUACY.

F. MEASURES SHALL BE TAKEN TO PREVENT A SPILL FROM REOCCURRING

PRACTICES	NOITAZIJIBATZ	SOIF
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		SEEDING	ТААЯОЧМЭТ	-

CONTROL	SEDIMENT	DNA	EROSION

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	BUFFER ZONES
	SOIL RETENTION BLANKET
	MULCHING
X	РЕКМАИЕИТ РГАИТИС, SODDING, ОК SEEDING

PRESERVATION OF NATURAL RESOURCES

STRUCTURAL PRACTICES:

OTHER:

STONE OUTLET STRUCTURES	
STORM INLET SEDIMENT TRAP	
SEDIMENT BASINS	
SAAAT TNAMIDAS	
CHANNEL LINERS	
TIMBER MATTING AT CONSTRUCTION EXIT	
ROCK BEDDING AT CONSTRUCTION EXIT	X
CONCRETE FLUMES	
PIPE SLOPE DRAINS	
DIVERSION DIKE AND SWALE COMBINATION	
DIVERSION, INTERCEPTOR, OR PERIMETER SWALES	
DIVERSION, INTERCEPTOR, OR PERIMETER DIKES	
ROCK BERMS	
SALES	
SILT FENCES	×

AELOCITY CONTROL DEVICES ZNIAAD MAOTZ X SATTERS AND GUTTERS

VEGETATED SWALES & NATURAL DEPRESSIONS

OTHER:

6. WHEN ALL CONSTRUCTION ACTIVITY RELATED IN DEVELOPMENT OF THE SITE IS 5. CONSTRUCTION OF SUBDIVISION IMPROVEMENTS; AND, 4. COMPLETE STREET AND LOT GRADING; 3. EXCAVATION FOR UTILITIES; 2. PERFORM CLEARING AND GRUBBING; EARTHEN BERM, AND STABILIZED CONSTRUCTION ENTRANCE); 1. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS (e.g. SILT FENCE AND/OR NARRATIVE - SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:

SWPPP GENERAL NOTES: COMPLETE, REMOVE TEMPORARY CONTROLS IN 1. ABOVE.

EROSION.

KEROSENE; ANTIFREZE/COOLANT; AND

CURING COMPOUNDS; WASTEWATER FROM

CONSTRUCTION EQUIPMENT WASHING; HYDRAULIC

ASPHALT; CONCRETE; GLUE/ADHESIVE; PAINTS;

CONSTRUCTION SITE STORM WATER POLLUTANTS:

AREAS; CONCRETE LOADING/UNLOADING AREAS;

CONSTRUCTION; ASPHALT LOADING/UNLOADING

POTENTIAL CONTAMINATION SOURCES: CLEARED

DETRILED INFORMATION ON WATERSHED AREAS

ENTRANCE AND ASPHALT PARKING AREA

AND GRADED AREAS; CONSTRUCTION SITE

6. THE FOLLOWING HAVE BEEN IDENTIFIED AS

5. REFER TO DRAINAGE PLAN SHEET, FOR

OIL/FLUIDS; ;GASOLINE; DIESEL FUEL;

7. THE FOLLOWING IS A LIST OF POTENTIAL

AND, ALL UNDISTURBED AREAS.

.(Ω) RUNOFF QUANTITIES (Q).

- DRIVEWAYS OR DRIVING LANES. AS NECESSARY TO PREVENT THE BLOCKING OF 1. PLACEMENT OF SILT FENCE SHALL BE ADJUSTED
- SITE AT ALL TIMES THROUGHOUT THE MAINTAIN THIS MANUAL AT THE CONSTRUCTION AN SWPPP MANUAL. THE CONTRACTOR SHALL SELECTION, THE CONTRACTOR WILL BE PROVIDED PASO-ENGINEERING DEPARTMENT. UPON AVAILABLE FOR REVIEWING AT THE CITY OF EL ITEMS. THE SWPPP PROJECT MANUAL IS MANAGEMENT PRACTICES (COMPLETE IN PLACE) SHALL BE SUBSIDIARY TO THE SWPP BEST STATE AND LOCAL REGULATIONS. THIS ITEM CONTRACTOR IN COMPLIANCE WITH FEDERAL, AND RESPONSIBILITIES OF THE GENERAL 2. THE SWPPP MANUAL IDENTIFIES THE DUTIES
- BY THE CITY OF EL PASO AND TCEQ. NOT, SDPCP, AND ANY OTHER FORM REQUIRED MANUAL, INCLUDING, BUT NOT LIMITED TO; NOI, APPLICATIONS, AS PROVIDED IN THE SWPPP SUBMIT ALL REGULATORY FORMS AND 3. THE CONTRACTOR SHALL COMPLETE AND
- NATURAL SPRING, AND/OR AGRICULTURAL LAWN WATERING, LANDSCAPE IRRIGATION, THE DISCHARGE RESULTING FROM FIREFIGHTING, MAY CONSIST OF, BUT ARE NOT LIMITED TO, ORDINANCE. NON-STORMWATER DISCHARGES STORM DRAIN POLLUTION CONTROL PLAN REQUIREMENTS) OF THE CITY OF EL PASO 15.20.090 (SPECIFIC PROHIBITIONS AND WITH 15.20.080 (GENERAL PROHIBITION) AND NON-STORMWATER DISCHARGE SHALL COMPLY 4. ALLOWABLE STORM WATER AND

STORM WATER RUNOFF.

CONSTRUCTION PERIOD.

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- OTHER:

SITE DESCRIPTION

TO THE SOUTH TRES SUEÑOS UNIT TEN AND TRES SUEÑOS UNIT TWENTY ONE. TEN. TO THE EAST SECTION 26, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAIL ROAD COMPANY SURVEYS. TO THE WEST TRES SUEÃOS UNIT FOURTEEN. TO THE SOUTHWEST TRES SUEÃOS UNIT EICHT, TRES SUEÃOS UNIT TEXAS. TO THE NORTH SECTION 26, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAIL ROAD COMPANY SURVEYS, BLOCK 79, TOWNSHIP 2, TEXAS AND PACIFIC RAILROAD COMPANY SURVEYS. CITY IF EL PASO, EL PASO COUNTY, PROJECT NAME AND LIMITS: TRES SUEÑOS UNIT TWENTY-TWO IS BORDERED BY A PORTION OF SECTION 27,

AND WILL CONTAIN A TOTAL OF 127 RESIDENTIAL LOTS, ONE POND SITE AND ONE PARK SITE PROJECT DESCRIPTION: THE SITE FOR THE NEW SUBDIVISION WILL ENCOMPASS APPROXIMATELY 29.87± ACRES,

SURROUNDINGS. EXISTING RUNOFF IS TO THE WEST. EXISTING CONDITIONS: THE SITE IS CLEAR OF SITE IMPROVEMENTS AND IS COVERED WITH ITS NATURAL

GRUBBING, GRADING FOR BUILDING PAD ELEVATIONS, CONSTRUCTION OF STREETS AND EXCAVATION FOR

MAJOR SOIL DISTURBING ACTIVITIES: MAJOR SOIL DISTURBING ACTIVITIES WILL CONSIST OF CLEARING AND

TOTAL AREA TO BE DISTURBED: 29.87±

EXISTING CONDITION OF SOIL AND VEGETATIVE

MEICHTED RUNOFF COEFFICIENT

(AFTER CONSTRUCTION):

UTILITIES.

TOTAL PROJECT AREA: 29.87±

HUECO-WINK ASSOCIATION. THE SOIL IS NEARLY LEVEL AND GENTLY SLOPING SOILS THAT HAVE A FINE SANDY

65.0

LOAM SUBSOIL AND ARE MODERATELY DEEP OVER CALICHE; IN THE HUECO BOLSON.

COVER AND % OF EXISTING VEGETATIVE COVER: THE PROJECT SITE IS LOCATED IN THE VICINITY OF THE

NFRASTRUCTURE AND ULTIMATELY DISCHARGE INTO AN ON-SITE RETENTION BASIN. NAME OF RECEIVING WATERS: TRES SUENOS UNIT TWENTY-TWO WILL DISCHARGE INTO AN ON-SITE STORM SEWER

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Oscar Villalobos

DATE

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GENERAL NOTES - CITY OF EL PASO PARKS

I. THE CONTRACTOR SHALL VISIT AND FAMILIARIZE HIMSELF WITH THE PROJECT SITE PRIOR TO SUBMITTING HIS BID.

2. CONTRACTOR SHALL BE FAMILIAR WITH PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNER'S REPRESENTATIVE IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN, ARE IN CONFLICT WITH THE PROPOSED CONTRACT.

3. EXISTING UTILITY LINES ARE TO BE BLUE STAKED PRIOR TO EXCAVATION, CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO EXCAVATION. CONSTRUCTION WORK IN CLOSE PROXIMITY TO UNDER- GROUND UTILITIES SHALL BE COORDINATED WITH APPROPRIATE AGENCY.

4. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH OWNER, ALL AFFECTED UTILITY COMPANIES, AND ALL OTHER ENTITIES HAVING JURISDICTION OVER THE PROJECT.

5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES PRIOR TO COMMENCING WITH THE WORK. ANY DISCREPANCY NOTED SHALL BE REPORTED IMMEDIATELY TO THE PROJECT MANAGER. FAILURE OF THE CONTRACTOR TO REPORT ANY FIELD AND PLAN DISCREPANCIES SHALL MAKE THE CONTRACTOR RESPONSIBLE FOR WORK THAT IS PERFORMED.

6. VIBRATORY ROLLERS SHALL NOT BE PERMITTED ON ANY PHASE OF THIS PROJECT, UNLESS APPROVED IN WRITING BY THE CITY ENGINEER.

7. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN STRICT CONFORMANCE WITH ALL CURRENT SAFETY CODES AND STANDARDS, INCLUDING BUT NOT LIMITED TO, OSHA REQUIREMENTS.

8. WARNING! BEFORE EXCAVATING, CONTRACTOR SHALL LOCATE AND PROTECT ALL UNDERGROUND UTILITIES LINES. CONTRACTOR SHALL REPLACE ANY UTILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO OWNER.

9. CONTRACTOR SHALL WATER CONSTRUCTION SITE AREA A MINIMUM OF TWICE A DAY TO DUST CONTROL, ONCE IN THE MORNING AND ONCE IN THE AFTERNOON. THIS SHALL ALSO BE DONE ON WEEKENDS AND HOLIDAYS.

IO. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING IMPROVEMENTS IN THE PROJECT AREA AND ITS VICINITY. ANY DAMAGE RESULTING FROM CONTRACTOR WORK SHALL BE RESTORED AT NO COST TO OWNER.

II. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATION DURING CONSTRUCTION ACTIVITY.

12. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ENVIRONMENTAL FINES RESULTING FROM HIS/HER WORK AND HOLD THE OWNER HARMLESS IN SUCH CASES.

13. CONTRACTOR SHALL SECURE THE SITE DURING CONSTRUCTION TO PROTECT THE AREA FROM VANDALISM AND ILLEGAL TRESPASSING. CONTRACTOR SHALL SECURE THE SITE AT HIS/HER OWN COST. CONTRACTOR SHALL SITE PROTECTION MEASURES SHALL BE SUBMITTED TO THE PARKS AND RECREATION DEPT. FOR APPROVAL.

14. ALL EXISTING UTILITIES CURRENTLY IN SERVICE MUST REMAIN IN SERVICE THROUGHOUT CONSTRUCTION EXCEPT AS NOTED IN THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES (INCLUDING SERVICE CONNECTIONS) FROM DAMAGE AS A RESULT OF CONSTRUCTION ACTIVITIES.

15. PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO VERIFY LOCATION OF EXISTING UTILITIES & CONTRACTOR SHALL CALL THE RESPECTIVE "I-CALL" NUMBER FOR SUCH UTILITIES.

16. CONTRACTOR SHALL INSURE THE FOLLOWING: ALL ACCESSIBLE ROUTES SHALL NOT EXCEED A RUNNING SLOPE GREATER THEN 1:20(5%). NO WHERE SHALL THE CROSS SLOPE OF AN ACCESSIBLE ROUTE EXCEED 1:50(2%). MAXIMUM SLOPE OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20(5%). MAXIMUM RUNNING SLOPE OF ANY CURB RAMP SHALL NOT EXCEED 1:12(8.33%) SLOPE. ALL ACCESSIBLE PATHS SHALL COMPLY WITH TAS AND ADAAG.

PLANS MUST BE SUBMITTED TO TEXAS DEPT OF LICENSING AND REGULATION FOR COMPLIANCE WITH TEXAS ACCESSIBILITY STANDARDS. #TABS2021022712

	GENERAL IRRIGATION NOTES -CITY OF EL PASO
١.	ALL MATERIALS LISTED BY BRAND NAME MAY BE SUBSTITUTED BY EQUAL OR BETTER PRODUCTS AS APPROVED BY THE CITY OF EL PASO PARKS AND RECREATION DEPT.
2.	THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING AND PROPOSED UTILITIES, AND ALL SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
З.	THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER CONTRACTORS WORKING ON THE SITE. COORDINATE INSTALLATION OF SLEEVING!
4.	IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY WATER PRESSURE, WATER SOURCE AND SIZE IN THE FIELD PRIOR TO CONSTRUCTION. SHOULD A DISCREPANCY EXIST BETWEEN DESIGN PRESSURE AND FIELD PRESSURE THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY.
5.	IF PRESSURE IS MORE THAN 95 PSI DOWNSTREAM OF METER NOTIFY THE PROJECT MANAGER AND LANDSCAPE ARCHITECT IMMEDIATELY.
6.	CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
7.	LOCATION OF THE CONTROLLER AND BACKFLOW SHALL BE APPROVED BY CITY OF EL PASO PARKS AND RECREATION DEPT.
8.	STAKE OUT ROTOR HEAD AND PIPING LOCATIONS PRIOR TO TRENCHING. AFTER APPROVAL BY CITY OF EL PASO PARKS AND RECREATION DEPT., TRENCHING AND EQUIPMENT INSTALLATION MAY BEGIN.
9.	THE CONTRACTOR SHALL NOT IMPEDE DRAINAGE IN ANY WAY. THE CONTRACTOR SHALL ALWAYS MANTAIN POSITIVE DRAINAGE AWAY FROM BUILDINGS, WALLS, ETC.
I <i>O</i> .	ALL PIPING/WIRING RUNNING BENEATH PAVED SURFACES (DRIVES, WALKS, ETC.) SHALL BE INSTALLED IN SCHEDULE 40 PVC SLEEVES. SLEEVES MUST BE 2 X THE DIAMETER SIZE OF PIPE ENCASED. REMOTE CONTROL WIRING MUST BE RUN IN SEPARATE SLEEVES FROM IRRIGATION PIPE SLEEVES. EXTEND SLEEVE TWENTY-FOUR INCHES (24") BEYOND EDGE OF HARD SURFACES; WRAP ENDS WITH FOUR (4) MILS PLASTIC AND GOOD QUALITY PLASTIC TAPE. GRAY, CLOTH DUCT TAPE IS NOT ACCEPTABLE.
ΙΙ.	DIRECT BURIAL 24V ELECTRIC CONTROL WIRE (#14G) AND COMMON GROUND (#12G) SHALL BE STANDARD COLORS- RED(HOT) AND WHITE(COMMON). INSTALL WIRE WITH SLACK TO ALLOW FOR THERMAL EXPANSION AND CONTRACTION. LABEL ALL WIRE ENDS AT CONTROLLER AND IN VALVE BOX. PROVIDE THREE SPARE REMOTE CONTROL VALVE WIRES FOR EACH CONTROLLER AND EXTEND TO FURTHEST VALVE. WIRING SHALL BE IN SEPARATE TRENCH FIVE FEET (5') FROM PRESSURE MAIN LINE ON NORTH AND WEST SIDE OF MAIN. PROVIDE EXPANSION LOOPS FOR WIRING EVERY 200'. WIRES SHALL NOT BE STRETCHED TIGHT. USE DRI-SPLICE CONNECTORS FACTORY FILLED WITH SILICONE FOR VALVE WIRE. SPLICES ARE NOT ALLOWED BETWEEN CONTROLLER AND VALVES. SPARE REMOTE CONTROL VALVE WIRES MUST BE OTHER THAN STANDARD RED IN COLOR.
2.	ALL VALVES SHALL BE TAGGED WITH A WATERPROOF TAG SHOWING VALVE NUMBER. LABEL ALL WIRING AT CONTROLLERS AND PANELS.
13.	ALL PIPE CUTS SHALL BE MITERED TO 90 DEGREES TO ASSURE PROPER SOLVENT WELD. ALL BURRS SHALL BE REMOVED PRIOR TO GLUING AND MUST HAVE A FILED BEVELED EDGE A MINIMUM OF ONE FOURTH (1/4) THE WIDTH OF PIPE WALL. USE "3-STEP" GLUING PROCESS. PIPE MUST BE CLEAN AND PRIMER APPLIED AS RECOMMENDED BY MANUFACTURER WHEN GLUING PROCESS IS UNDERTAKEN. PRIMER SHOULD BE MOIST AS GLUE IS APPLIED AND PVC PIPING IS ASSEMBLED. USE IPS WELD-ON PURPLE PRIMER P68 OR PTO. USE IPS WELD-ON GRAY GLUE #TIL HEAVY DUTY. WIPE OFF ALL EXCESS CEMENT AND LET SET PER MANUFACTURER'S RECOMMENDATIONS. INITIAL SET TIMES SHALL BE MINIMUM OF 5 MIN. FOR I/2 TO I-I/4" PIPE; 8 MIN. FOR I-I/2" PIPE TO 2" PIPE; 2 HOURS FOR 2-I/2"TO 6" PIPE. CURE TIMES ARE 20 MIN FOR I/2" TO I-I/4" PIPE; 30 MIN. FOR I-I/2" PIPE; 4 HOURS FOR 2-I/2" 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.
14.	A CITY OF EL PASO PARKS AND RECREATION DEPT. REPRESENTATIVE MUST BE PRESENT DURING ALL FLUSHING, TESTING AND ADJUSTING. THE CONTRACTOR MUST PROVIDE 24 HRS NOTICE TO THE CITY OF EL PASO PARKS AND RECREATION DEPT. PRIOR TO CONDUCTING THE TESTS. FLUSHING AND TESTING SHALL BE PERFORMED IN ACCORDANCE WITH PARKS AND RECREATION DEPARTMENT DESIGN AND CONSTRUCTION STANDARDS.
15.	THE FINISH GRADE OF ALL TRENCHED AREAS SHALL BE SMOOTH, EVEN AND CONSISTENT, FREE OF ANY HUMPS, DEPRESSIONS OR OTHER GRADING IRREGULARITIES. OVERFILL TRENCHES AND COMPACT SO NOT TO CRUSH THE PIPE. PRIOR TO SODDING INSPECT TRENCHES FOR SETTLING AND BACKFILL AND REGRADE IF NECESSARY. DO NOT LAY SOD UNTIL TRENCHES ARE ACCEPTABLE.
6.	THE CONTRACTOR SHALL FINE TUNE AND ADJUST THE IRRIGATION SYSTEM SO THAT NO WATER WILL RUN ONTO THE STREET OR WALKS
17.	THE CONTRACTOR SHALL PROVIDE A WATER AUDIT CONDUCTED IN THE PRESENCE OF THE CITY OF EL PASO PARKS AND RECREATION DEPT. REPRESENTATIVE.
18.	THE CONTRACTOR SHALL MAINTAIN ALL WORK UNTIL ALL WORK IS COMPLETE AND ACCEPTED BY THE CITY OF EL PASO PARKS AND RECREATION DEPT.
19.	WATERING TIME: TO SET TURF STATIONS SEE TURF IRRIGATION SYSTEM DESIGN CRITERIA. SET PER LOCAL WATERING CODES
20	WARRANTY PERIOD IS ONE YEAR FROM DATE OF ACCEPTANCE.

	SHEET INDEX
L1	SITE MAP, SHEET INDEX, NOTES
L2	PLANTING AND MATERIALS PLAN
L3	IRRIGATION
L4	LAYOUT
L5	CONSTRUCTION DETAILS
L6	CONSTRUCTION DETAILS
L7	CONSTRUCTION DETAILS

- OF CONTRACTOR. BE TOXIC OR HARMFUL TO GROWTH.
- 3). CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF PLANT MATERIAL QUANTITIES.
- CAUSE FOR ADDITIONAL COSTS TO THE OWNER.
- SPECIFIED.
- SCARIFY BOTTOM OF PLANTING PIT BEFORE PLACING
- WRITING GIVING REASONS FOR SUCH SUBSTITUTIONS.

- II). REMOVE ALL WIRE, STRING, WIRE BASKETS, BURLAP, CONTAINERS, PLANTING HOLE.

- CONSTRUCTION STANDARDS".

THIS PROJECT IS SUBJECT TO ALL SUBIVISION STANDARDS OF THE EL PASO MUNICIPAL CODE PRIOR TO JUNE 3, 2008.

SITE MAP

NOT TO SCALE

PARKS DEPT. NOTES FOR PLANTING:

I). IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREVENT PLANTS FROM FALLING OR BEING BLOWN OVER AND TO STRAIGHTEN OR REPLANT ALL PLANTS WHICH ARE DAMAGED DUE TO WIND. PLANTS BLOWN OVER BY HIGH WINDS SHALL NOT BE A CAUSE FOR ADDITIONAL EXPENSE TO THE OWNER, BUT SHALL BE THE FINANCIAL RESPONSIBILITY

2). TOPSOIL MATERIAL FOR PLANTING, SHALL BE FREE FROM HARD CLODS, STIFF CLAY, HARD PAN, STONES LARGER THAN I" IN DIAMETER, NOXIOUS WEEDS AND PLANTS, SOD, PARTIALLY DISINTEGRATED DEBRIS, INSECTS OR ANY OTHER UNDESIRABLE MATERIAL. PLANTS OR SEEDS THAT WOULD

4). IN THE EVENT OF VARIATION BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND THE PLANS, THE PLANS SHALL CONTROL. IMPROPER PLANT COUNT MADE BY THE LANDSCAPE CONTRACTOR SHALL BE NO

5). THE CONTRACTOR SHALL MEET BOTH THE CONTAINER SIZE AND CALIPER SIZE, AS WELL AS HEIGHT AND SPREAD SPECIFICATIONS

6). EXCAVATE TWO TIMES GREATER THAN THE ROOT BALL-DIAMETER OF THE SHRUB, TWO TIMES GREATER THAN THE ROOT BALL FOR TREES.

PLANT. PLACEMENT OF PLANT SHALL BE PERPENDICULAR TO GROUND. 7). CONTRACTOR WILL NOT PLANT MATERIAL SHOWN ON PLANS WHEN IT IS EVIDENT THAT FIELD CONDITIONS HAVE CHANGES SINCE PLANS WERE DRAWN. ANY CHANGES ARE TO BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE DESIGNER BEFORE ANY PLANTING IS DONE IN THE AREA. 8). PLANT SUBSTITUTIONS WILL BE PERMITTED, REQUEST SUBSTITUTION IN

9). TURF QUANTITY TAKE-OFF ARE THE RESPONSIBILITY OF THE CONTRACTOR. 10). TREAT ALL PLANTING AREAS WITH AN APPLICATION OF SURFLAN.

FOLLOW MANUFACTURER'S INSTRUCTIONS FOR APPLICATION.

ETC., FROM THE ROOTBALL OF PLANTS BEFORE BACKFILLING THE

12). SEEDED AREAS SHOULD BE MAINTAINED UNTIL A FULL GROWTH OF WILD GRASS OR SEEDED MATERIAL IS ACHIEVED.

13). WARRANTY FOR THE PLANTING MATERIAL SHALL BE ONE YEAR FROM THE DATE OF ACCEPTANCE. (TREES, SHRUBS AND GROUNDCOVER).

14). ANY UNSUITABLE SOIL CONDITIONS MUST BE REMEDIED TO ELIMINATE HARD SOILS, STONY SOILS, HIGH CALICHE SOILS, CLAY SOILS, COARSE SANDS AND CONTAMINATED SOILS TO A MINIMUM DEPTH OF 12" AS REQUIRED FOR PROPOER PLANTING AS PER "PARKS DESIGN AND

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PROJECT TITLE SUENOS PARK 14485 RUSSELL BOREA AVE. LOT 1, BLOCK 12 TRES SUENOS UNIT 22 SUBDIVISON EL PASO, TEXAS 79938 AREA: 76665.6 SF- 1.76 ACRES														
HHL <i>EXAS</i>														
SHELI TITLE														
INDEX AND NOTES SHEET 1 OF 7														

PARKS DEPT. NOTES FOR PLANTING:

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- 3). CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF PLANT MATERIAL QUANTITIES.
- 4). IN THE EVENT OF VARIATION BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND THE PLANS, THE PLANS SHALL CONTROL. IMPROPER PLANT COUNT MADE BY THE LANDSCAPE CONTRACTOR SHALL BE NO CAUSE FOR ADDITIONAL COSTS TO THE OWNER.
- 5). THE CONTRACTOR SHALL MEET BOTH THE CONTAINER SIZE AND CALIPER SIZE, AS WELL AS HEIGHT AND SPREAD SPECIFICATIONS SPECIFIED.
- 6). EXCAVATE TWO TIMES GREATER THAN THE ROOT BALL-DIAMETER OF THE SHRUB, TWO TIMES GREATER THAN THE ROOT BALL FOR TREES. SCARIFY BOTTOM OF PLANTING PIT BEFORE PLACING
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- 9). TURE QUANTITY TAKE-OFF ARE THE RESPONSIBILITY OF THE CONTRACTOR.
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- II). REMOVE ALL WIRE, STRING, WIRE BASKETS, BURLAP, CONTAINERS, ETC., FROM THE ROOTBALL OF PLANTS BEFORE BACKFILLING THE PLANTING HOLE.
- 12). SEEDED AREAS SHOULD BE MAINTAINED UNTIL A FULL GROWTH OF WILD GRASS OR SEEDED MATERIAL IS ACHIEVED.
- 13). WARRANTY FOR THE PLANTING MATERIAL SHALL BE ONE YEAR FROM THE DATE OF ACCEPTANCE. (TREES, SHRUBS AND GROUNDCOVER).
- 14). ANY UNSUITABLE SOIL CONDITIONS MUST BE REMEDIED TO ELIMINATE HARD SOILS, STONY SOILS, HIGH CALICHE SOILS, CLAY SOILS, COARSE SANDS AND CONTAMINATED SOILS TO A MINIMUM DEPTH OF 12" AS REQUIRED FOR PROPOER PLANTING AS PER "PARKS DESIGN AND CONSTRUCTION STANDARDS".

CONTRACTOR MUST VERIFY QUANTITIES - PLAN TAKES PRECENDENCE

PARK MATE	RIAL I	EGEND AND DETAIL KEY:
	Ι.	FRANKLIN RED GRAVEL CRUSHER FINES 3" DEPTH 2" BELOW ALL CONCRETE SURFACES. USE WEED BARRIER. PROJECT TOTAL [13,971 SF] SEE DETAIL (A) ON SHEET L5.
	2.	SANTA ANA BERMUDA GRASS PROJECT TOTAL 55,444 SF TOP OF SOD 2" BELOW TOP OF SIDEWALK AND CONCRETE HEADER CURB. SEE DETAIL (© ON SHEET L5.
· · · · · · · · · · · · · · · · · · ·	3.	PARK CONCRETE WALKWAY, PATIO, BENCH,TABLE PADS. FLOOR. PROJECT TOTAL [12,887 SF] SEE DETAIL (D) ON SHEET L5
	4.	BLANK
	5.	6"X12"CONCRETE HEADER CURB. PROJECT TOTAL 292' LF SEE DETAIL B ON SHEET L5.
Ο	6.	DUMOR 286-32-PTO HINGED TRASH RECEPTACLE WITH LINER. BLUE WITH BLACK LID. SURFACE MOUNT ON SLAB. INSTALL PER MANUFACTURER'S RECOMMENDATIONS PROJECT TOTAL - 4 SEE DETAIL (6) ON SHEET L5
\bigcirc	٦.	CLASSIC RECREATION 20 X 20 ORLANDO SHADE STRUCTURE INSTALL PER MANUFACTURER'S RECOMMENDATIONS
-	8.	ANOVA ULTRA SERIES 6' BENCH SURFACE MOUNT. TOTAL -2 ITEM #FI027. BLUE W/ BLACK METAL. PLASTISOLE FINISH. INSTALL PER MANUF. RECOMMENDATIONS. FOR ADA BENCH SEE DETAIL (È) ON SHEET L5.
	٩.	ANOVA ULTRA SERIES ADA TABLE 3 SEATS. ITEM # F2016 SURFACE MOUNT. BLUE WITH BLACK FRAME. INSTALL PER MANUFACTURER'S RECOMMENDATIONS SEE DETAIL(F)ON L5. PROJECT TOTAL - []
	10.	ANOVA ULTRA SERIES TABLE 4 SEATS. ITEM # F2015 SURFACE MOUNT. BLUE WITH BLACK FRAME. INSTALL PER MANUFACTURER'S RECOMMENDATIONS SEE DETAIL(F)ON L5. PROJECT TOTAL - []
	١١.	PUMP HOUSE
	12.	ELEC METER
0	13.	PET WASTE STATION PROJECT TOTAL - [] SEE DETAIL () ON SHEET L5.
	14.	PARK SIGN PROJECT TOTAL - 1 SEE DETAIL (HON SHEET L5.

SEE PLANTING DETAILS ON L5

QUANTITES ARE PROJECT TOTALS - VERIFY! PLANS TAKE PRECEDENCE

	TREE LEGEND/SCHEDULE														
ЭYM	KEY	COMMON NAME	BOTANICAL NAME	CONT.	SIZE	QUANT.	REMARKS								
Ð	LET	LACEBARK ELM	ULMUS PARVIFOLIA	15 GAL	I" CAL-8'HT-3' SPREAD	<u>0</u>	SINGLE TRUNK								
Q	CPT	CHINESE PISTACHE	PISTACIA CHINENSIS	15 GAL	I" CAL-8'HT-3' SPREAD	<u>0</u>	SINGLE TRUNK								

SODDING NOTES - CITY OF EL PASO PARKS

SUBMIT THE FOLLOWING:

 SOD CERTIFICATION FOR GRASS SPECIES AND NAME AND LOCATION OF SOD SOURCE. SODDING SCHEDULE, INCLUDING DATES AND TYPE OF WORK TO BE PERFORMED. PRIOR TO ORDERING, NAME OF SUPPLIER OF SOIL AMENDMENTS MATERIALS.

QUALITY ASSURANCE

- 2. MINIMUM AGE 18 MONTHS, WITH ROOT DEVELOPMENT THAT WILL SUPPORT ITS OWN WEIGHT WITHOUT TEARING, WHEN SUSPENDED VERTICALLY BY HOLDING THE UPPER TWO CORNERS.
- DELIVERY, STORAGE AND HANDLING 3. TIME DELIVERY SO THAT SOD WILL BE PLACED WITHIN 24 HOURS OF DELIVERY AT SITE. PROTECT AGAINST DRYING AND BREAKING OF ROLLED STRIPS.
- 4. DELIVER PACKAGED MATERIALS IN CONTAINERS SHOWING WEIGHT, ANALYSIS AND NAME OF
- MANUFACTURER. PROTECT MATERIALS FROM DETERIORATION DURING DELIVERY AND WHILE STORED ON SITE.

SITE CONDITIONS

- 5. PROCEED WITH AND COMPLETE LANDSCAPE WORK AS RAPIDLY AS PORTIONS OF SITE BECOME
- AVAILABLE, WORKING WITHIN SEASONAL LIMITATIONS FOR EACH KIND OF LANDSCAPE WORK REQUIRED.
 6. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS CONSULT THE LANDSCAPE DESIGNER AND CITY OF
- EL PASO PARKS AND RECREATION BEFORE PLANTING. 7. PLANT OR INSTALL MATERIALS DURING NORMAL PLANTING SEASONS FOR EACH TYPE OF LANDSCAPE
- WORK REQUIRED. CORRELATE PLANTING WITH SPECIFIED MAINTENANCE PERIODS TO PROVIDE MAINTENANCE FROM DATE OF FINAL ACCEPTANCE.

SOIL AMENDMENTS

8. PROVIDE SOIL ANALYSIS BEFORE ADDITION OF SOIL AMENDMENTS & ANALYSES OF SOIL AMENDMENTS. ORGANIC AMENDMENTS SHALL CONSIST OF WELL-AGED ORGANIC COMPOST OR APPROVED EQUAL.

FERTILIZER

9. SLOW-RELEASE STARTER FERTILIZER ANALYSIS AS RECOMMENDED BY EXTENSION AGENT BY WEIGHT AT A RATE OF I LB OF ACTUAL NITROGEN PER 1,000 SQUARE FEET BY WEIGHT.

GRASS MATERIALS

IO. PROVIDE STRONGLY ROOTED SOD, NOT LESS THAN 18 MONTHS OLD AND FREE OF WEEDS AND UNDESIRABLE NATIVE GRASSES AND MACHINE CUT TO PAD THICKNESS OF 3/4 INCH (PLUS OR MINUS I/4 INCH), EXCLUDING TOP GROWTH AND THATCH. PROVIDE SOD CAPABLE OF GROWTH AND DEVELOPMENT WHEN PLANTED. CUT SOD PIECES A MINIMUM OF 18 INCHES WIDE.

PREPARATION

II. PRIOR TO START OF SOIL PREPARATION ALL FINISH GRADES SHALL BE ESTABLISHED AND APPROVED AS MEETING THE REQUIREMENTS OF THE GRADING PLAN. APPLY A UNIFORM ONE-INCH LAYER (3 C.Y./IOOO SQUARE FEET) OF ORGANIC SOIL AMENDMENT, AFTER APPLICATION OF ORGANIC AMENDMENT AND STARTER FERTILIZER ALL AREAS TO BE SODDED SHALL BE THOROUGHLY ROTOTILLED TO A MINIMUM DEPTH OF I2 INCHES. AFTER ROTOTILLING IS COMPLETE AT CROSS DIRECTIONS, DRAG, AND LASER LEVEL TO AN EVEN GRADE, THEN ROLL FOR FIRMNESS. RAKE TILLED AREA AND REMOVE STONES OVER I INCH IN ANY DIMENSION, STICKS, ROOTS, RUBBISH AND OTHER EXTRANEOUS MATTER. ROLL ENTIRE AREA WITH WEIGHTED HAND ROLLER.

SODDING OPERATIONS

- 12. LAY SOD WITHIN 24 HOURS OF DELIVERY AT SITE. DO NOT PLANT DORMANT SOD OR ON FROZEN GROUND.
- 13. IF SOIL IS DRY, MOISTEN AREAS BEFORE SODDING. WATER THOROUGHLY AND ALLOW SURFACE MOISTURE TO DRY. DO NOT CREATE A MUDDY SOIL CONDITION.
- 14. REMOVE FIBER MESH USED BY SOD FARM TO TRANSPORT SOD ROLLS AS SOD IS BEING INSTALLED.15. LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. NO JOINT SHALL BE MORE THAN 1/8"
- LAY SOD OVER MOISTENED SOIL, LIGHTLY RAKING THE SOIL AHEAD OF EACH SOD STRIP. BUTT ENDS AND SIDES OF SOD STRIPS; DO NOT OVERLAP. STAGGER STRIPS TO OFF-SET JOINTS IN ADJACENT COURSES. LAY SOD PARALLEL TO CONTOURS OF SLOPE. WORK FROM BOARDS TO AVOID DAMAGE TO SUBSOIL OR SOD. TAMP FIRMLY AND EVENLY BY HAND TO ENSURE CONTACT WITH SUBSOIL. WORK SIFTED TOPSOIL OR SAND INTO MINOR CRACKS BETWEEN PIECES OF SOD 16. WATER SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING.

MAINTENANCE

- 17. BEGIN MAINTENANCE IMMEDIATELY AFTER PLANTING.
- 18. MAINTAIN LAWNS FOR NOT LESS THAN A PERIOD OF AT LEAST 60 DAYS AFTER COMPLETION AND ACCEPTANCE OF SOD. INSPECTION TO DETERMINE ACCEPTANCE OF SODDED LAWNS WILL BE MADE BY PARKS STAFF AND SITES SOUTHWEST REPRESENTATIVE UPON CONTRACTOR'S REQUEST. PROVIDE NOTIFICATION AT LEAST IO WORKING DAYS BEFORE REQUESTED INSPECTION DATE. AND LONGER AS REQUIRED TO ESTABLISH AN ACCEPTABLE LAWN.
- 19. SODDED LAWNS TO BE MAINTAINED NOT LESS THAN 60 DAYS AFTER COMPLETION AND ACCEPTANCE OF SODDING OPERATIONS.
- 20. MAINTENANCE TO INCLUDE: WATER GOD THOPOLICH EVERY 2 TO 3 DAYS MIN AS REQUIR
- WATER SOD THOROUGH EVERY 2 TO 3 DAYS MIN. AS REQUIRED TO ESTABLISH PROPER ROOTING. REPAIR, REWORK AND RESOD AREAS THAT HAVE WASHED OUT OR ERODED.
- REPLACE DEAD OR UNDESIRABLE SOD SECTIONS WITH NEW SOD. MOW LAWN AREAS WHEN THE GRASS IS OVER 2 INCHES HIGH FOR FIRST CUTTING.
- FERTILIZE LAWN WITH TOP DRESSING FERTILIZER AT I LB. PER 1,000 SQ.FT. OF NITROGEN, WATER

THOROUGHLY. 21. ADDITIONAL LAWN MAINTENANCE CONSISTS OF WEEDING, TRIMMING AND OTHER OPERATIONS SUCH AS

- ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.
- CLEANUP AND PROTECTION
- 22. DURING THE WORK, KEEP PAVEMENTS CLEAN AND WORK AREA IN AN ORDERLY CONDITION.
- 23. PROTECT WORK AND MATERIALS FROM DAMAGE DUE TO SODDING OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED WORK AS DIRECTED.

INSPECTION AND ACCEPTANCE

24. WHEN INSPECTED WORK DOES NOT COMPLY WITH REQUIREMENTS, REPLACE REJECTED WORK AND CONTINUE SPECIFIED MAINTENANCE UNTIL REINSPECTED BY THE LANDSCAPE DESIGNER AND CITY OF EL PASO PARKS AND RECREATION AND FOUND TO BE ACCEPTABLE. REMOVE REJECTED SOD AND MATERIALS PROMPTLY FROM PROJECT SITE.

BY	
REVISIONS	
DATE	
	LISAMCNELIS LANDSCAPEARCHITECT 1900 FOXBORO LAS CRUCES, NEM MEXICO 88001 (575) 621-3032
	CHIECT ST SA + 11 CHIECT ST SA + 11 CHIECT ST SA + 11 SISSING CHIECT ST SA + 11 SISSING SISSIN SISSIN S
<u>SCALE</u>	Horizontal: Vertical: Contour Interval: N/A DATE: DESIGN BY: LM DRAWN BY: LM CHKD. BY: LM APPVD. BY: LM JOB No.
PROJECT TITLE	SUENOS PARK 14485 RUSSELL BOREA AVE. LOT 1, BLOCK 12 TRES SUENOS UNIT 22 SUBDIVISON EL PASO, TEXAS 79938 AREA: 76665.6 SF- 1.76 ACRES
	SHEET TITLE

BERKELEY Pumps / Pentair Water · 293 Wright Street · Delavan, Wisconsin 53115 phone: (888)782-7483 · fax: (800)426-9446 · www.berkeleypumps.com

	PRECIPITATION RATE TABLE														
STATION #	VALVE SIZE	TYPE OF SPRINKLER EMITTER	AREA BEING IRRIGATED	TOTAL GPM'S	# OF SPRINKLER/ EMITTER	PRECIPITATION RATES	WATER APPLICATION 1.2" RUN TIME*								
CONTROLLER A						•									
A-1P	2"	ROTOR	PERIMETER TURF	63.7	7	1.26"/HOUR	57 MIN.								
A-2P	2"	ROTOR	PERIMETER TURF	54.6	6	1.26"/HOUR	57 MIN.								
A-3F	1.5"	ROTOR	FULL TURF	45.5	5	.433/HOUR	166 MIN.								
A-4P	2.5"	ROTOR	PERIMETER TURF	91	10	.866/HOUR	82 MIN.								
A-5F	2"	ROTOR	FULL TURF	63.7	9	.433/HOUR	166 MIN.								
A-6P	2.5"	ROTOR	PERIMETER TURF	100.1	11	.866/HOUR	82 MIN.								
A-7D	1"	EMITTER	TREES	2.7	10 EMITTERS	.27/GPM	80 MIN.								
A-8D	1"	EMITTER	TREES	4.05	15 EMITTERS	.27/GPM	80 MIN.								
DRIP	ZONES	EMITTER	SHRUBS	GPM'S	EMITTERS	1.94/HOUR	31 MIN.								
	4		TOTAL RUN TIME CON	TROLLER A IN I	HOURS AND MINUTE	S 13.35 HRS 80'	1 MINS. 3 TIMES PER WEEK								

IRRIGATION IS REGULATED BY: PO BOX 13087 AUSTIN, TEXAS 78711–3087 TCEQ 512 239–6719 CHAPTER 34, TEXAS WATER CODE IRRIGATOR'S LIC. #8947

										MAT	FERING	,	50	HE	DU	LE				
STATION		C	:0	V# ME	AL` SIN	√E AT	10	N		RUN PER	TIME WEEK		Μ	AT D	ΈF ΑΥ	rin 'S	G		DURATION	CLOCK START TIME
	Ι	2	3	4	5	6	7	8	9			S	Μ	Т	Μ	ΤH	F	S		
PI	x									366	MIN		Х		Х		Х		122 MIN	12:00 AM
2P		x								720	MIN		Х		Х		х		240 MIN	12:00 AM
ЗF			x							183	MIN		х		х		х		61 MIN	2:03 AM
4P				x						183	MIN		X			X			61 MIN	3: <i>0</i> 5 AM
5T					x					366	MIN		x x				х		122 MIN	4:07 AM
6т					x				201	MIN		x		x		x		67 MIN	6:10 AM	
סד							x	Х		720	MIN			х		Х		Х	240 MIN	12: <i>00</i> AM
8D							x	x		183	MIN			х		х		х	61 MIN	7:18 AM
9T									x	120	MIN		x		x		х		67 MIN	8:20 AM
TO	TA	LI	RU	N 1	ΓIM	Æ	PE	R	Dł	AY OF (OPERA	JI	2N	-	DF	RIF	·		240 MI	N/4 HOURS
TO	ΤA	L	RU	N -	MIN	Æ	PE	R	DA	AY OF (OPERA	TIC	ON	-	R	OTO	OR	S	561 MIN /	/ 9.35 HOURS

THIS DRAWING IS A SCHEMATIC AND DOES NOT SHOW EXACT PIPE LOCATION OR LENGTH.

ſ	#1P	2"	#2P	2"	#3F	1.5"	#4P	2.5"	#5F	2"	#6P	2.5"	#7D	1"	#8D	1"	#9T	2"
	63.7	7	54.6	6	45.5	5	91	10	63.7	9	100.1	11	2.7	10E	4.05	15E	54.6	6

LLONS PER MINU	TE ON THIS VALVE. $-$ 14 10 $-$ NUMBER OF HEADS					
MATE	RIAL LEGEND:					
	3" PRESSURE MAIN PVC SCHEDULE 40, DEPTH 18" TO TOP OF PIPE. SEE DETAIL () ON L5.					
	2.5" PRESSURE MAIN PVC SCHEDULE 40, DEPTH 18" TO TOP OF PIPE. SEE DETAIL \bigcirc ON L5.					
	LATERAL PVC CLASS 200. DEPTH 12", TO TOP OF PIPE. SEE DETAIL \bigcirc on L5. DRIP LATERAL PVC CLASS 200. DEPTH 12", TO TOP OF PIPE. SEE DETAIL \bigcirc on L5.					
	SCH 40 SLEEVING UNDER ALL PAVED AREAS WHERE LINES ARE RUN. SLEEVES SHALL EXTEND 12" PAST PAVING. CHISEL 1" MARK IN CONCRETE CURB OR WALK TO LOCATE SLEEVE AT EACH SIDE. SIZE 2X DIA. OF PIPE TO BE SLEEVED. SEE #10 UNDER GENERAL IRRIGATION NOTES.					
Р	CONCENTRIC REDUCER - SET 20' FROM JUNCTION IN LOOPED MAIN.					
	FIELD WIRING SHALL BE IN A SEPARATE TRENCH 5' OFFSET FROM MAIN LINE ON NORTH AND WEST SIDE.					
0	RAINBIRD FALCON 6504 W STAINLESS STEEL RISERS. #10 GRAY NOZZLE. 50 PSI - FULL HEADS 53' RADIUS 53X2X.45 =48MAX HEAD SPACING 48X.866= (42) MAX ROW SPACING. USE LASCO SWING JOINTS.					
۲	SEE DETAIL (1) ON L6. HINTER 1-25-06-55 #13 LT BLIE NOZZLE, 60 PSI - PART HEADS - 54' RADIUS, 54X2X.45 =48.6 (49)MAX HEAD SPACING 49X.866= (42.5) MAX ROW SPACING, USE LASCO SWING JOINTS. SEE DETAIL (1) ON L6.					
\	HUNTER 1-20-06-55 MPR 35 NOZZLE. USE LASCO SWING JOINTS. 55 PSI-2.31 GPM -35' RADIUS. SEE DETAIL ① ON L6.					
•	DRIP EMITTER FOR TREES: RAINBIRD XERI-BIRD XBD-80 WITH FILTER AND IN-STEM PRESSURE REG. USE 8 XB-20PC EMITTERS PER TREE. 27 GPM. LOCATE 5' AWAY ON WEST OR SOUTH SIDE OF TREE. SET IN EMITTER VALVE BOX. SEE DETAILS (2) AND (3) ON L5.					
\bigcirc	ELECTRIC REMOTE VALVE: WEATHERMATIC &200CR-10 WITH XPR OPTION AND CUT-OFF BALL VALVE. SIZE ON PLAN. SEE DETAIL (5) AND (6) ON L6.					
	ELECTRIC REMOTE VALVE FOR DRIP: WEATHERMATIC 8200CR-10 WITH NON PRESSURE REG. FILTER AND CUT-OFF BALL VALVE. SIZE ON PLAN. SEE DETAIL (6) AND (9) ON L6.					
\bigotimes	ISOLATION GATE VALVE IN LOCKING VALVE BOX. USE STANDARD VALVE BOX DETAILS. MUST BE LOCATED IO' FROM CONCENTRIC REDUCER ON 2.5" PIPE. SEE DETAIL (B)ON L6					
0	BUCKNER I" QUICK COUPLER - DOUBLE LUG WITH LASCO SNAP LOK WITH MALE BRASS STABILIZER ELBOW WITH CUT OFF. TO BE SET IN 12"X14" LOCKING VALVE BOX SEE DETAIL @ ON L6.					
Μ	3" METER, 3" SERVICE, LOCATION ON THIS PLAN IS APPROXIMATE. FLOM: 240 GPM DO NOT SET IN SIDEWALK.					
	BACKFLOW PREVENTION DEVICE: FEBCO MODEL LF860 3" REDUCED PRESSURE ZONE ASSEMBLY. LOCATED IN INSULATED PUMP ENCLOSURE. WALLS R 13. CEILING SHALL BE INSULATED TO RI9. INSTALL TO MEET LOCAL CODES AND CITY OF EL PASO PARKS DEPT. REQUIREMENTS. SEE DETAILS (3) THRU (7) ON SHEET L7					
С	RAINBIRD ESP-LXME CONTROLLER WITH 12 STATION CAPACITY. WALL MOUNT. LOCATE IN PUMP HOUSE IN WATER-TIGHT NEMA ENCLOSURE. SEE DETAILS (3) THRU (1) ON SHEET L7					
Ρ	BERKELEY B2TPMS, VARIABLE SPEED PUMP WITH 3 HP 3 PHASE MOTOR. CATALOG#B54533 FLANGED VOLUTE CASE IN T I. POSITION. CAST IRON IMPELLER. MECHANICAL SHAFT SEAL PENTEC DRIVE. HOUSED IN & XI2' TUFFSHED BRAND, PREMIER SERIES ENCLOSURE. SEE DETAILS ON LII. INSTALL TO MEET LOCAL CODES AND CITY OF EL PASO REQUIREMENTS. LOCATION APPROVED BY CITY OF EL PASO PARKS AND REC DEPARTMENT SEE DETAILS (B)- (T) ON LT. VERIFY WITH BERKELEY PUMPS PRIOR TO ORDERING.					
R	RAIN SENSOR - RAINBIRD RAIN-CAN MOUNTED ON POLE. SEE DETAIL (11) ON L6.					

VALVE NUMBER AND DRIP OR TURF NOTATION \longrightarrow #1D 1" \rightarrow VALVE SIZE

COORDINATE THE LOCATION OF ALL EQUIPMENT WITH THE CITY OF EL PASO PARKS AND REC. DEPT.

MUNIR KHOURI

		PRESSURE LOSS CALCULATION SHEET				
ALVE #6						
	Length of Pipe (Feet)	Flow (Gal.)	Size (in.)	Pressure Loss Per 100 ft.	Pressure Loss This Item	Accumulated Pressure Loss
lass 200	55	9.1	1	1.42	0.7810	0.7810
lass 200	6	18.2	1 1/4	1.61	0.0966	0.0966
lass 200	51	27.3	1 1/2	1.54	0.7854	1.5664
lass 200	43	36.4	2	1	0.4300	1.9964
lass 200	48	45.5	2	1.51	0.7248	2.7212
lass 200	36	54.6	2 1/2	0.71	0.2556	2.9768
lass 200	10	100.1	3	0.97	0.0970	3.0738
Section P	ressure Losses (Sub-Total)				3.0738
Calculate F	Remaining Press	ure Losses E	Below			
ltem			Size (In.)	Pressure Loss Per 100 Ft.	Pressure Loss This Item	Accumulated Pressure Loss
ection Valve		100.1	2.5		2.6000	5.6738
lain SCH 40	400	50.05	2 1/2	0.92	3.6800	9.3538
lain SCH 40	50	100.1	3	1.14	0.5700	9.9238
ackflow			3		11.0000	20.9238
Vater Meter			3		3.4000	24.3238
opper Supply	49	110.7	3	1.91	0.9359	25.2597
Total Pressure Loss to the City Main					25.2597	
Minimum Required Head Pressure					50.0000	50.0000
Static Pressure						68.0000
Design Pressure psi available from pump					25.0000	93.0000
Actual He	ad Pressure					67.7403

WATER PRESSURE INFORMATION PER EPWU:

FH # 10774 • Russell Borea Avenue +E465 of George Fernandez Drive.

Static: 66

Residual: 6

GPM: 978

PLAN VIEW - LAYOUT PLAN

SCALE: 1" = 20' - 0"

SHEET 6 OF 7

12" ON BACKSIDE 12" ON SUPPLY AND DISCHARGE SIDES 18" ON FRONT SIDE (TEST SIDE)

(15)

BACKFLOW IN PUMP ENCLOSURE - SECTION/ELEVATION NOT TO SCALE

NOTE: BACKFLOW MUST BE TESTED AND CERTIFIED TO MEET LOCAL CODES

SEE DETAIL N-1 ON SHEET LG AND DETAILS O AND P ON SHEET L7

METER ------

BLANK NOT TO SCALE

- KEYED NOTES FOR DETAILS O AND P
- (1) TYPE K COPPER SEE PLANS FOR SIZE (2) CONCRETE SLAB BELOW PUMP - 3000 PSI
- 4" HIGHER THAN BUILDING FOOTING
- 3 CONCENTRIC REDUCER IF PUMP OUTLET IS LESS THAN 3"
- (4) STEEL SUPPORTS WITH ISOLATORS BOLTED TO CONCRETE (5) BACKFLOW PREVENTER - SEE PLANS
-) PENTAIR VARIABLE FREQUENCY DRIVE
- 7) MERCOID DA SWITCH -HIGH/LOW CUT OFF SWITCH MUST BE VERTICAL AND LEVEL
- WIRE TO PUMP PANEL (8) LUG STYLE BUTTERFLY VALVE
- (9) COPPER ELBOW
- BERKELEY VARIABLE FREQUENCY DRIVE PUMP FLANGED. MOUNTED ON CONCRETE SLAB WITH 1/2" OR THICKER SOLE PLATE TAPPED FOR HOLD DOWN BOLTS. USE RUBBER ISOLATORS BETWEEN PUMP AND SOLE PLATE. REFER TO BERKELEY CENTRIFUGAL PUMP OWNER'S MANUAL P. 5
- (II) COPPER TEE (2) PRESSURE RELEASE VALVE
- VENT TO OUTSIDE OF PUMP HOUSE
- (13) METAL STATIC VENT (14) 100 PSI PRESSURE GUAGE
- (15) INSTALL KNOCK OUT DRAINS W/ STURDY METAL LOUVERS (N-1)
- (6) TOP OF SHED FOOTING

- (17) WAFER BOARD IN WALLS AND CEILING
- (B) 3/4" CDX PLYWOOD BEHIND CONTROLLER AND ELEC PANEL
- (19) CONTROLLER WITHIN 8' OF PUMP RELAYS. SEE DETAIL M SHEET L6 60 PUMP PANEL WITH NEMA 3R ENCLOSURE.
- REFER TO BERKLEY PUMP MANUFACTURER'S
- RECOMMENDED COMPONENTS FOR PUMP
- PROTECTION DURING OPERATION. MUST MEET ALL LOCAL ELEC. CODE REQUIREMENTS.
- (21) &' X 12' PREMIER TUFF SHED. DOOR LOCATION APPROVED BY PARKS.
- 22) 4" MINIMUM DEPTH PEA GRAVEL
- (23) FINISHED GRADE
- (24) 3" LAYER OF GRAVEL (OUTSIDE SHED) 25) USE "LEAVE OUT" IN CONCRETE OR PVC SLEEVE.
- (26) THRUST BLOCK
- T) JUMBO CARSON BOX 18" DEPTH FOR INSPECTION
- (28) 4" SLAB BELOW BACKFLOW FOR STEEL SUPPORTS
- (29) UNISTRUT PIPE SUPPORT SYSTEM DETAILS PROVIDED TO PARKS
- 60 12"X24" CONCRETE FOOTING
- SEE THIS SHEET (3) UNDISTURBED SOIL OR COMPACTED FILL TO MODIFIED
- PROCTOR 95% BELOW ALL CONCRETE.
- (32) SCHEDULE 40 PVC MAIN
- (3) COPPER FLANGE TO PVC SCHEDULE 80 FLANGE

NOTE:

(3) STEEL SUPPORTS WITH RUBBER ISOLATORS BOLTED TO CONCRETE

T) INSTALL KNOCK OUT DRAINS WITH STURDY METAL LOUVERS

(a) 8' X 12' TUFF SHED. DOOR LOCATION TO BE APPROVED BY PARKS.

ALL SIDING AND TRIM WORK TO BE CAULKED THEN PRIMED. USE 2 COATES OF PAINT (COLOR SELECTED BY PARKS AND RECREATION DEPT). INSTALL KNOCK-OUT DRAINS WITH STURDY METAL LOUVERS AT BASE OF PUMP HOUSE IN CASE OF LEAKS. SEE DETAILS N, O AND P ON SHEETS L6 AND L7

FOR MORE INFORMATION.

AIR RELEASE VALVES SHALL BE INSTALLED AT HIGH POINTS OF THE MAIN LINE AND LATERALS. LOCATION TO BE DETERMINED IN THE FIELD

(19)

AIR RELEASE VALVE NOT TO SCALE

IRRIGATOR'S LIC. #8947 monelis

IRRIGATION DETAILS

SHEET 7 OF 7