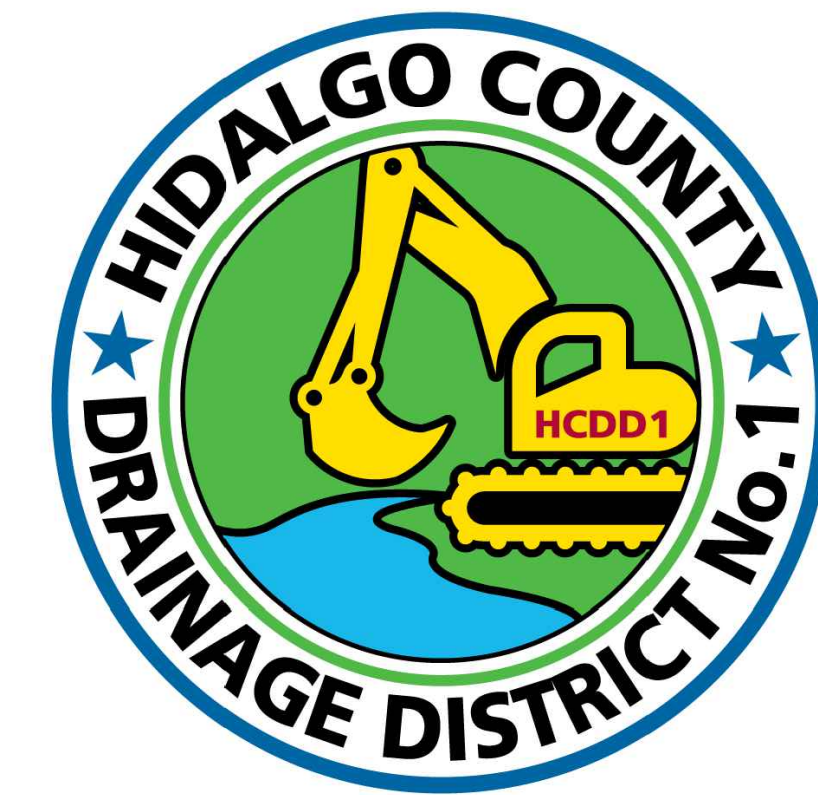


LOCATION MAP- SCALE 1" =3,000'



JUDGE RICHARD F. CORTEZ
CHAIRMAN OF THE BOARD

COMMISSIONER DAVID L. FUENTES
BOARD MEMBER

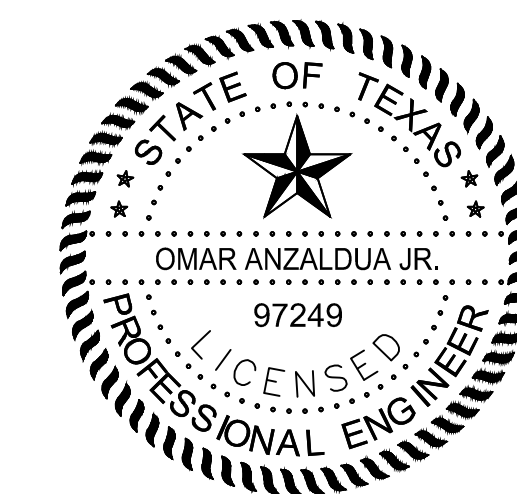
COMMISSIONER EDUARDO "EDDIE" CANTU
BOARD MEMBER

COMMISSIONER EVERARDO "EVER" VILLARREAL
BOARD MEMBER

COMMISSIONER ELLIE TORRES
BOARD MEMBER

HIDALGO COUNTY DRAINAGE DISTRICT No. 1

BENTSEN ROAD STORMWATER PROJECT
ARPA-22-124-094



6/16/2023

Omar Anzaldúa Jr.

THIS SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY OMAR ANZALDUA JR. PE NO.97249 ON THE ABOVE DESIGNATED DATE

ABBREVIATIONS

P	L	ANGLE	CORR	CORRIDOR	FH	FIRE HYDRANT	LAT	LEAVING AIR TEMPERATURE	PAR	PARALLEL	SOV	SHUT OFF VALVE
	A/C	AIR CONDITIONING	COV	COVER	FIG	FIGURE	LAV	LAVATORY	PB	PANIC BAR	SPC	SPACER
	A/E	ARCHITECT/ENGINEER	CP	CONTROL POINT	FIN	FINISH	PBD	LAG BOLT	PBD	PARTICLE BOARD	SPCL	SPECIAL
	A	AMPERE	CPRS	COMPRESSIBLE	FIN FLR	FINISH FLOOR	LB	POUND	PBS	PUSH BUTTON STATION	SPEC	SPECIFICATION
	AB	ANCHOR BOLT	CRCMF	CIRCUMFERENCE	FJT	FLUSH JOINT	LBL	LABEL	PC	PIECE, POINT OF CURVATURE	SPLY	SPLY
	ABAN	ABANDON	CRCS	CORROSION RESISTANT STEEL	FL	FLOW, FLOW LINE	LC	LIGHT CONTROL	PCC	PRECAST CONCRETE	STP	SET POINT
	ABV	ABOVE	CRS	COURSE(S)	FLASH	FLASHING	LD	LOAD	PCF	POUNDS PER CUBIC FOOT	ST	SQUARE
	AC	ASBESTOS CEMENT	CTS	CORROSION TEST STATION	FLR	FLOOR	LDG	LANDING, LOADING	PCP	CEMENT PLASTER (PORTLAND)	SS	STANDING SEAM (ROOF)
	ACC	ACCESSIBLE	CSK	COUNTERSUNK	FLEX	FLEXIBLE	LF	LINEAR FEET	PD	PAVEMENT DRAIN	SST	STAINLESS STEEL
	ACI	AMERICAN CONCRETE INSTITUTE	CT	CURRENT TRANSFORMER	FLG	FLOORING	LG	LENGTH	PE	PLAIN END, PROFESSIONAL ENGINEER	ST	STREET
	ACK	ACKNOWLEDGE	C TO C	CENTER TO CENTER	FN	FENCE	LH	LEFT HAND(ED)	PED	PEDESTAL	STA	STATION
	ACP	ASPHALTIC CONCRETE PAVEMENT	CTR	CENTER	FO	FIBER OPTIC	LIN	LINEAR	PERF	PERFORATE(D)	STD	STANDARD
	ADDM	ADDENDUM	CU	CONDENSING UNIT	FOC	FACE OF CONCRETE	LIQ	LIQUID	PERIM	PERIMETER	STG	SEATING
	ADDL	ADDITIONAL	Cu	COPPER	FOF	FACE OF FINISH	LKR	LOCKER	PH	PHASE	STL	STEEL
	ADH	ADHESIVE	CU FT	CUBIC FEET	FORF	FACE OF MASONRY	LL	LIVE LOAD, LIQUID LIMIT	PHAR	PHARMACY	STOR	STORAGE
	ADJ	ADJUSTABLE, ADJACENT	CUH	CABINET UNIT HEATER	FOS	FLANGE OUTLET REDUCING FLANGE	LM	LUMBER	PI	PLASTICITY INDEX	STR PR	STATIC PRESSURE
	AFF	ABOVE FINISHED FLOOR	CU YD	CUBIC YARDS	FOS	FACE OF STUD	LMST	LIMESTONE	PIV	POINT OF INTERSECTION	STR	STRINGER
	AFG	ABOVE FINISHED GRADE	CVH	CONDUCTIVE VINYL HOMOGENEOUS (SHEET TYPE)	FP	FIRE PARTITION	LNTL	LINTEL	PL	POST INDICATING VALVE	STRUCT	STRUCTURAL
	AGGR	AGGREGATE	CW	COLD WATER	FP	FIREPROOF	LONG	LONGITUDINAL	PL	PLATE	SY	SQUARE YARD
	AHR	ANCHOR	CYL	CYLINDER	PFM	FEET PER MINUTE	LP	LOW POINT, LIGHTPROOF	PL	PROPERTY LINE	SYM	SYMBOL
	AI	AREA INLET			FR	FIRE RESISTANT	LPT	LOW POINT	PLAT	PLATFORM	SYMM	SYMMETRICAL
	ALIG	ALIGNMENT	d	PENNY (AS IN NAIL - 10D)	FR	FRAME	LR	LONG RADIUS	PLB	PLUMBING	SYNTH	SYNTHETIC
	AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	DAT	DATUM	FRMG	FRAMING	LS	LAWN SPRINKLER	PLF	POUNDS PER LINEAR FOOT	SYS	SYSTEM
	ALT	ALTERNATE	DB	DRY BULB	FR	FIRE-RETARDANT	LT	LEFT LIGHT	PLG	PILING	T&B	TOP AND BOTTOM
	ALUM	ALUMINUM	DBL	DOUBLE	FS	FULL SIZE	LT WT	LIGHTWEIGHT	PLYVD	PLYWOOD	T&B	TOP AND BOTTOM
	ANSL	ABOVE MEAN SEA LEVEL	DBL ACT DR	DOUBLE ACTING DOOR	FS	FASTEN(ER)	LTG	LIGHTING	PTG	PANEL	TAN	TANGENT
	ANC	ANCHOR	DC	DIRECT CURRENT	FT	FEET	LTNG	LIGHTNING	PT	PAINT(ED)	TAN	TANGENT
	ANOD	ANODIZE	DCJ	DOWELED CONTROL JOINT	FTG	FOOTING	LV	LOW VOLTAGE	POL	POLISHED	TBM	TEMPORARY BENCHMARK
	ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	DCJT	DUMMYP CONTROL JOINT	FUT	FUTURE	LVL	LAMINATED VENEER LUMBER	PORT	PORTABLE	TCE	TEMPORARY CONSTRUCTION EASEMENT
	AP	ACCESS PANEL	DEG	DEGREE	FW	FIRE WATER	LVR	LOW VOLTAGE	PP	POWER POLE	TEL	TELEPHONE
	APPD	APPROVED	DEM	DEMOLITION	FWD	FORWARD	LWG	LIGHTWEIGHT	PPGL	POLISHED PLATE GLASS	TEMP	TEMPERATURE, TEMPORARY
	APPROX	APPROXIMATE	DEPR	DEPRESSION	FXR	FIXTURE	LWC	LIGHTWEIGHT CONCRETE	PPM	PARTS PER MILLION	TER	TERRAZZO
	ARCH	ARCHITECTURAL	DEPT	DEPARTMENT			LWL	LOW WATER LEVEL	PR	PAIR, PRESSURE	TERM	TERMINAL
	ARV	AIR RELEASE VALVE	DET	DETAIL	G	NATURAL GAS	LWT	LEAVING WATER TEMPERATURE	PREFAB	PREFABRICATE(D)	T&G	TONGUE AND GROOVE
	ASB	ASBESTOS	DH	DUCT HEATER	GAGE	GAGE	m	METER(S)	PREFIN	PREFINISHED	TGL	TOGGLE
	ASPH	ASPHALT	DI	DUCTILE IRON, DROP INLET, DIGITAL INPUT	GAL	GALLON(S)	MA	MIXED AIR	PRFMD	PREFORMED	TH	THRESHOLD
	ASSY	ASSEMBLY	DIAM	DIAMETER	GALV	GALVANIZED	M&B	MATCHED AND BEADED	PRK	PARKING	THK	THICKNESS
	ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS	DIAG	DIAGONAL	GALV STL	GALVANIZED STEEL	MAINT	MAINTENANCE	PROJ	PROJECT	THRES	THRESHOLD
	ATM	ATMOSPHERE	DIM	DIMENSION	GC	GENERAL CONTRACTOR	MAN	MANUAL	PRV	PRESSURE-REGULATING VALVE	TK BD	TACKBOARD
	AUTO	AUTOMATIC	DISC	DISCONNECT	GEN	GENERAL	MAINT	MAINTENANCE	PS	PIPE SPACE	TKS	TACKSTRIP
	AUX	AUXILIARY	DISCH	DISCHARGE	MAN	MANUAL	MAS	MASONRY	P S	PRESSED STEEL	TOP	TOP OF
	AV	AIR VALVE	DIST	DISTANCE, DISTRIBUTION	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	MAS	MASONRY	PS CONC	PRESSRESSED CONCRETE	TOB	TOP OF (BOLT, BANK BEAM, BERM)
	AVE	AVENUE	DISTR	DISTRIBUTION PANEL	GFE	GROUND FURNISHED EQUIPMENT	MATL	MATERIAL(S)	PSF	POUNDS PER SQUARE FOOT	TOC	TOP OF CURB, TOP OF CONCRETE
	AVG	AVERAGE	DIV	DIVISION	GFE/CI	GOVERNMENT-FURNISHED EQUIPMENT CONTRACTOR INSTALLED	MAX	MAXIMUM	PSI	POUNDS PER SQUARE INCH	TOF	TOP OF FOOTING
	AVV	AIR/VACUUM VALVE	DL	DEAD LOAD	GI	GALVANIZED IRON	MB	MACHINE BOLTS, MAIL BOX	PT	POINT OF TANGENT	TOG	TOP OF GRATING
	AWWA	AMERICAN WATER WORKS ASSOCIATION	DMJ	DOUBLE MECHANICAL JOINT	GKT	GASKET(ED)	MBR	MEMBER	PT CONC	POST-TENSIONED CONCRETE	TOI	TOLERANCE
	AWG	AMERICAN WIRE GAUGE	DMPF	DAMP PROOFING	GL	GLASS	MCH	MECHANICAL CONTRACTOR	PT	POST-TENSIONED CONCRETE	TOPO	TOPOGRAPHY
			DMPR	DAMPER	GLZ	GLAZING	MCJ	MASONRY CONTROL JOINT	PT CON	PAPER TOWEL DISPENSER	TOS	TOP OF SLAB, TOP OF STEEL, TOE OF SLOPE
			DMT	DEMOUNTABLE	GLZ CMU	GLAZED CONCRETE MASONRY UNITS	MCO	METAL-CASED OPENING	PTN	PARTITION	TOW	TOP OF WALL
	B TO B	BACK TO BACK	DN	DOWN	G	GROUT	MDS	METAL DIVIDER STRIP	PTR	PAPER TOWEL RECEPTACLE	TP	TELEPHONE POLE
	BAL	BALANCE	DO	DISSOLVED OXYGEN, DIGITAL OUTPUT	GOVT	GOVERNMENT	MECH	MECHANICAL	PV	PAVED	TPD	TOILET PAPER DISPENSER
	BB	BULLETIN BOARD	DR	DRAIN	DO	DOWEL PER MINUTE	MCH RM	MECHANICAL ROOM	PVC	POLYVINYL CHLORIDE	TPTN	TOILET PARTITION
	BBF	BULLETIN BOARD WITH FLANGE	DR	DRAIN	GR LN	GRADE LINE	MED	MEDIUM	PVG	PAVING	TRANS	TRANSOM
	BC	BACK OF CURB	DS	DOUBLE STRENGTH (GLASS)	GRGT	GRATING	MEMB	MEMBRANE	PVI	POINT OF VERTICAL INTERSECTION	TRANS	TRANSVERSE
	BDRY	BOUNDARY	DT	DRAIN TILE	GT	GROUT	MES	METAL EDGE STRIP	Q	RATE OF FLOW	TSTAT	THERMOSTAT
	BEV	BEVEL	DTM	DIGITAL TERRAIN MODEL	GV	GATE VALVE	MFD	METAL FLOOR DECKING	Q	QUART	TV	TELEVISION
	BFP	BACK FLOW PREVENTER	DRAW	DRAWING	GYP	GYP BOARD	MFG	MANUFACTURING	QTR	QUARTER	TYP	TYPICAL
	BH	BORE HOLE	DWLS	DOWELS	GYP BD	GYP BOARD	MFR	MANUFACTURER	QTY	QUANTITY	UC	UNIT COOLER
	BITUM	BITUMINOUS	DWR	DRAWER	GYP PLAS	GYP PLASTER	MG	MOTOR GENERATOR	QUAL	QUALITY	UGND	UNDERGROUND
	BK	BACKWARD	DX	DIRECT EXPANSION	HB	HOSE BIBB	MH	MANHOLE	R&R	REMOVE AND REPLACE	UH	UNIT HEATER
	BL	BUILDING LINE	E	EAST	HCP	HORIZONTAL CURVE, HORIZONTAL CENTERLINE	MI	MINIMUM	R&S	REMOVE AND SALVAGE	UL	UNDERWRITERS LABORATORIES
	BLDG	BUILDING	EA	EACH	HD	HEAD, HOT DIP, HEAVY DUTY	MIR	MIRROR	R	RADIUS, RISER	UNEX	UNEXCAVATED
	BLK	BLOCK	ECC	ECCENTRIC	HDD	HORIZONTAL DIRECTIONAL DRILLING	MISC	MISCELLANEOUS	RA	RETURN AIR	UNFIN	UNFINISHED
	BLVD	BOULEVARD	ED	EQUIPMENT DRAIN	HD JT	HEAD JOINT	MJ	MECHANICAL JOINT	RA GR	RETURN AIR GRILLE	UNO	UNLESS NOTED OTHERWISE
	BLW	BELOW	EDB	ELECTRICAL DUCT BANK	HDR	HEADER	ML	METAL LATH, MONOLITHIC, MASONRY LINTEL	RA UR	RETURN AIR REGISTER	UPS	UNINTERRUPTIBLE POWER SUPPLY
	BM	BENCHMARK	EE	EACH END	HDR	HEADER	MLDG	MOLDING	RBL	RUBBLE STONE	UR	UTILITY
	BO	BOTTOM OF PIPE	EF	EACH FACE	HDW	HARDWARE	MLWK	MILLWORK	RBR	RUBBER	UTIL	UNIT UTILITATOR
	BOP	BOTTOM OF PIPE	EFF	EFFLUENT, EFFICIENCY	HES	HIGH EARLY-STRENGTH CEMENT	mm	MILLIMETER(S)	RC	REMOTE CONTROL	V	VOLT
	BOT	BOTTOM	EHH	ELECTRICAL HAND HOLE	HEX	HEXAGON	MMB	MEMBRANE	RCB	REINFORCED CONCRETE BOXES	V	VOLT
	BOTOC	BY OTHER THAN OPEN CUT	EJ	EXPANSION JOINT	HH	HANDHOLE	MHC	MATERIAL NOT IN CONTRACT (INSTALLATION BY CONTRACTOR)	RCP	REINFORCED CONCRETE PIPE	VAR	VARNISH, VARIABLE
	BOV	BLOWOFF VALVE	EL	ELEVATION, GRADE OR BUILDING	HK	HOLE(S)	MOD	MODULAR	RCV	RECEIVER	VBR	VAPOR BARRIER, VINYL BASE, VALVE BOX
	BP	BUTTERFLY VALVE	EL UNK	ELEVATION UNKNOWN	HM	HOLLOW METAL	MOD	MODIFIED	RD	ROOF DRAIN	VCT	VINYL COMPOSITION TILE
	BRCG	BRACING	ELEC	ELECTRIC	HNDRL	HANDRAIL	MOD	MODIFIED	RDG INS	RIGID INSULATION	VCT	VITRIFIED CLAY TILE
	BRDG	BRIDGING	EM	EXPANDED METAL	HORIZ	HORIZONTAL	MOT	MOTOR	RECP	RECEPTACLE	VEL	VELOCITY
	BRG	BEARING	EMB	EMBEDMENT	HP	HIGH PRESSURE, HORSEPOWER	MP	MOVABLE PARTITION	RECT	RECTIFIER	VENT	VENTILATION(TION)
	BRG PL	BEARING PLATE	EMD	ESTIMATED MAXIMUM DEMAND	HPC	HORIZONTAL POINT OF CURVATURE	MOP	MOP RECEPTOR	REFL	REFLECT	VERT	VERTICAL
	BRZ	BROnze	EMER	EMERGENCY	HPT	HIGH POINT, HORIZONTAL POINT OF TANGENCY	MRB	MARBLE BASE	REG	REGISTER	VF	VINYL FABRIC
	BS	BOTH SIDES	ENCL	ENCLOSE(URE)	HR	HOUR	MRD	METAL ROOF DECKING	REIN	REINFORCE	VG	VERTICAL GRAIN
	Btu	BRITISH THERMAL UNIT	ENGR	ENGINEER	HRS	HOURS	MSL	MEAN SEA LEVEL	REIN	REINFORCE	VIF	VERIFY IN FIELD
	BtuH	BTU PER HOUR	ENTR	ENTRANCE, ENTERING	HSG	HIGH STRENGTH	MT	METAL THRESHOLD	REM	REMOVE(ABLE)	V-JOINT(ED)	V-JOINT(ED)
	BTWLD	BUTT WELD	EQ	EQUAL	HSSGYP	HIGH STRENGTH GYPSUM PLASTER	MT	MOUNT	REQD	REQUIRED	WNR	WATER
	BTWN	BETWEEN	EOA	EDGE OF ASPHALT	HT	HEIGHT	MTD	MOUNTED	RESIL	RESILIENT	VOL	VOLUME
	BYP	BYPASS	EOC	EDGE OF CONCRETE	HTG	HEATING	MTR	METAL FURRING	RET	RETURN	VPC	VERTICAL POINT OF CURVATURE
			EOP	EDGE OF PAVEMENT	HTR	HEATER	MTL	METAL	REV	REVISION	VPI	VERTICAL POINT OF INTERSECTION
	C&G	CURB AND GUTTER	EP	ELECTRICAL PANEL BOARD	HV	HIGH VOLTAGE	MULL	MULLION	RFV	ROOFING	VPT	VERTICAL POINT OF TANGENCY
	CADD	COMPUTER AIDED DRAFTING DESIGN	EPRF	EXPLOSION PROOF	HVAC	HIGH VOLTAGE VENTILATING AND AIR CONDITIONING	MV	MEDIUM VOLTAGE	RH	RELATIVE HUMIDITY	VR	VAPOR RETARDER
	CAL	CALCULATE	EPY	EPOXY COATING	HWL	HIGH WATER LEVEL	MVBL	MOVABLE	RH	RIGHT HAND	VRM	VERMICULITE
	CAP	CAPACITY	EQ	EQUAL	HYDR	HYDRAULIC	MW	MONITORING WELL	RR	RAILROAD	VS	VENT STACK
	CATV	CABLE TV	EQUIP	EQUIPMENT	HZ	HERTZ	N	NORTH	RSP	ROCK SLOPE PROTECTION	WCO	WOOD-CASED OPENING
	CAV	COMBINATION AIR VALVE	EQUIV	EQUIVALENT	IC	INTERCOM	NAD 83	NORTH AMERICAN DATUM OF 1983	RT	RIGHT	WD	WOOD
	CB	CATCH BASIN	EASMT	EASMENT	ID	INSIDE DIAMETER	NAT	NATURAL	RVS	REVERSE	WDSP	WASTE DISPOSER
	C/C	CENTER TO CENTER	EST	ESTIMATE(D)	II	INFLOW/INFILTRATION	NC	NORMALLY CLOSED	S	SOUTH	W	WEST
	CCW	COUNTER CLOCKWISE	ETJ	EXTRA TERRITORIAL JURISDICTION	ILK	INTERLOCK	NEC	NATIONAL ELECTRICAL CODE	SA	SANITARY	W	WITH
	CDF	CONTROLLED-DENSITY FILL	EW	EACH WAY	IMP	IMPACT	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	SB	SCREW BLOCK	WB	WET BULB
	CEM	CEMENT	EWC	ELECTRIC WATER COOLER	IN	INCH	NF	NEAR FACE, NON-FUSED	SC	SCHEMATIC	WB	WOOD BLOCKING
	CF	CUBIC FEET (FOOT)	EWTF	EACG WAY, TOP AND BOTTOM	INCL	INCLUDED	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	SDR	STORM DRAIN	WC	WATER CLOSET
	CFM	CUBIC FEET PER MINUTE	EWT	ENTERING WATER TEMPERATURE	INF	INFLENT	NI	NICKEL	RR	RAILROAD	WC	WHEELCHAIR
	CHFR	CHAMFER	EXC	EXCAVATE	INFO	INFORMATION	NIC	NOT IN CONTRACT	RSP	ROCK SLOPE PROTECTION	WCO	WOOD-CASED OPENING
	CHH	COMMUNICATION HANDHOLE	EXH	EXHAUST	INSF	INSULATING FILL	NL	NAILABLE	RT	RIGHT	WD	WOOD
	CHK	CHECK	EXH A	EXHAUST AIR	INSTR	INSTRUMENTATION	NM	NONMETALLIC	RVS	REVERSE	WDF	WASTE DISPOSER
	CI	CAST IRON, CURB INLET	EXST	EXISTING	INSUL	INSULATION	NO	NORMALLY OPEN, NUMBER	S	SOUTH	WDF	WASTE DISPOSER
	CIP	CAST-IN-PLACE	EXP	EXPANSION	INT	INTERIOR, INTERSECTION	NOM	NOMINAL	SA	SUPPLY AIR	WGL	WIRE GLASS
	CIPP	CURED-IN-PLACE PIPE	EXP BT	EXPANDED BOLT	INTM	INTERMEDIATE	NPS	NOMINAL PIPE SIZE	SB	SECURITY BLOCK	WH	WATER HEATER
	CIRC	CIRCULAR	EXT	EXTERIOR	INV	INVERT	NR	NOISE REDUCTION	SC	SECURITY BARS	WHB	WHEEL BUMPER
	CJD	CONTROL JOINT	F	FAHRENHEIT	IP	IRON PIPE	NRC	NOT REQUIRED	SC	SOLID CORE	WI	WATER LEVER
	CJ	CONSTRUCTION JOINT	FA	FIRE ALARM	I.P.S.	IRON PIPE SIZE	N'REOD	NOT REQUIRED	SCHED	SCHEDULE	WLD	WELDED
	CKT	CIRCUIT	FAB	FRESH AIR	IR	IRON PIPE THREAD	NTS	NOT TO SCALE	SCHM	SCHEMATIC	WLSH	WORK SHOP
	CKT BRKR	CIRCUIT BREAKER	FABR	FABRICATE								

GENERAL NOTES

- 1. THE FOLLOWING NOTES ARE GENERAL AND APPLY TO ALL SHEETS OF THESE CONTRACT DOCUMENTS AS IF THEY WERE WRITTEN IN THEIR ENTIRETY ON EACH SHEET.
2. ALL WORK DESCRIBED IN THESE GENERAL NOTES SHALL BE CONSIDERED INCIDENTAL TO OTHER WORK AND SHALL NOT BE PAID SEPARATELY, UNLESS IDENTIFIED IN THE BID FORM
3. CONTRACTOR SHALL CONTACT THE OWNER 48 HOURS PRIOR TO START OF ANY CONSTRUCTION WITHIN PROJECT SITE.
4. ALL WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE HIDALGO COUNTY DRAINAGE DISTRICT NO. 1, HIDALGO COUNTY IRRIGATION DISTRICT NO. 1.
5. IN THE EVENT THE OWNER AND/OR ENGINEER FINDS THE MATERIALS OR THE FINISHED PRODUCT IN WHICH THE MATERIALS ARE USED OR THE WORK PERFORMED ARE NOT IN REASONABLY CLOSE CONFORMANCE WITH THE PLANS AND SPECIFICATIONS AND HAVE RESULTED IN AN INFERIOR OR UNSATISFACTORY PRODUCT, THE WORK OR MATERIALS SHALL BE REMOVED AND REPLACED OR OTHERWISE CORRECTED AT THE CONTRACTOR'S EXPENSE. FIELD WORK AND CORRECTIONS SHALL ONLY BE APPROVED OR REJECTED BY THE OWNER AND/OR ENGINEER.
6. THE CONTRACTOR SHALL HAVE AVAILABLE AT ALL TIMES AND ON THE WORK SITE WHEN WORK IS IN PROGRESS, AS HIS AGENT, A COMPETENT SUPERINTENDENT CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS AND EXPERIENCED IN THE TYPE OF WORK BEING PERFORMED. THE SUPERINTENDENT SHALL BE FURNISHED IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET.
7. PROVIDE OWNER AND/OR ENGINEER THE NAME AND EMERGENCY TELEPHONE NUMBER(S) OF AN AUTHORIZED REPRESENTATIVE(S) OF THE CONTRACTOR. SAID REPRESENTATIVE(S) SHALL BE AVAILABLE 24 HOURS, SEVEN DAYS A WEEK IN THE EVENT AN AFTER HOUR EMERGENCY ARISES ON THE PROJECT SITE. ONLY THE OWNER HAS THE AUTHORITY TO DIRECT THE CONTRACTOR IN AN EMERGENCY SITUATION. UPON RECEIVING DIRECTION FROM THE OWNER, THE CONTRACTOR'S REPRESENTATIVE(S) SHALL COORDINATE AND MOBILIZE CORRECTIVE PROCEDURES.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS INCLUDING LOCATION AND DIMENSIONS OF ALL EXISTING CONSTRUCTION AND UTILITIES. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND EXISTING CONDITIONS BEFORE PROCEEDING WITH WORK.
9. SHOULD ANY ERRORS BECOME APPARENT ON THE PLANS, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND/OR ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
10. THE LAYOUT OF THE PROJECT FEATURES AS SHOWN SHALL BE FIELD STAKED BY THE CONTRACTOR AND APPROVED BY THE OWNER PRIOR TO CONSTRUCTION
11. CONTRACTOR TO NOTIFY ALL UTILITY COMPANIES WITHIN THE CONSTRUCTION AREA 48 HOURS PRIOR TO EXCAVATION NEAR THEIR UTILITIES.
12. UNLESS DETAILED, SPECIFIED OR OTHERWISE INDICATED ON THE DRAWINGS CONSTRUCTION SHALL BE AS INDICATED IN THE APPROPRIATE CODES AND GENERALLY TYPICAL DETAILS SHALL APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON DRAWINGS.
13. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK, DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
14. PRIOR TO EXCAVATION FOR NEW STRUCTURES, ELECTRICAL CONDUIT, FABRICATION OF NEW PIPING AND/OR OTHER PROPOSED UTILITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING PIPING AND UTILITIES IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL TEMPORARILY RELOCATE CONFLICTING EXISTING UTILITIES AT THE IN-CONNECTION LOCATIONS AND REINSTALL THEM AS REQUIRED TO ELIMINATE THE CONFLICT AT NO ADDITIONAL COST TO THE OWNER.
15. EXISTING FACILITY AND UTILITY INFORMATION SHOWN ON THE DRAWING WAS OBTAINED FROM AVAILABLE RECORDS OR ELECTRONIC FILES. THE CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, SIZES, MATERIAL TYPES, AND ELEVATIONS SHOWN AROUND OR NEAR AREAS OF CONSTRUCTION PRIOR TO START OF CONSTRUCTION.
16. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT FROM DAMAGE, ALL EXISTING FACILITIES AND UTILITIES SHOWN OR NOT SHOWN WHICH ARE TO REMAIN IN PLACE. ALL FACILITIES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED TO THE ORIGINAL OR BETTER CONDITION AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
17. CONTRACTOR SHALL VERIFY LOCATION OF ALL MECHANICAL AND ELECTRICAL ITEMS BEFORE PLACING ANY STRUCTURAL STEEL OR CONCRETE. ALSO, STRUCTURAL DIMENSIONS AND OPENINGS CONTROLLED BY MECHANICAL OR ELECTRICAL EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
18. MECHANICAL AND ELECTRICAL EQUIPMENT SUPPORTS, ANCHORAGES, OPENINGS, RECESSES AND REVEALS NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT REQUIRED BY OTHER CONTRACT DRAWINGS, SHALL BE PROVIDED PRIOR TO CASTING CONCRETE.
19. CONTRACTOR TO OBTAIN ALL CONSTRUCTION PERMITS NOT SUPPLIED BY OWNER AT HIS EXPENSE PRIOR TO COMMENCEMENT OF WORK.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF PROPOSED FACILITIES AT ALL TIMES DURING CONSTRUCTION.
21. THE CONTRACTOR SHALL PROVIDE/MAINTAIN ADEQUATE POSITIVE DRAINAGE AT ALL TIMES DURING THE INSTALLATION OF THE STRUCTURES, DRAINAGE, UTILITY, IRRIGATION AND ROAD IMPROVEMENTS. DEWATERING OF THE TRENCH MAY BE REQUIRED DURING THE INSTALLATION OF THE TRENCH AND IRRIGATION FACILITIES. SAID DEWATERING SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL UNLESS OTHERWISE NOTED.
22. THE CONTRACTOR SHALL PROVIDE ACCESS TO EXISTING RESIDENCES AT ALL TIMES.
23. CONTRACTOR IS RESPONSIBLE FOR CLEANING MUD AND/OR DIRT TRACKED ONTO EXISTING STREETS BY HIS WORKMEN'S, SUPPLIERS, OR SUBCONTRACTOR'S VEHICLES. STREETS MUST BE CLEANED WITHIN 2 HOURS OF WHEN THE TRACKING OCCURS. NO SEPARATE PAY.
24. PROVIDE ALL SHEETING/SHORING REQUIRED TO PROTECT EXISTING STRUCTURES, PIPE, AND FACILITIES. CONTRACTOR IS HEREBY INFORMED THAT ALL TRENCHING AND SHORING WILL BE DONE IN STRICT ACCORDANCE WITH THE LATEST OSHA STANDARDS.
25. ANY ADDITIONAL SOIL BORINGS THE CONTRACTOR REQUIRES ARE TO BE DONE BY THE CONTRACTOR AT HIS EXPENSE.
26. ALL WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE LOCAL REQUIREMENTS.
27. PAVED SURFACES SHALL BE PROTECTED FROM DAMAGE FROM ANY EQUIPMENT.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY IRON RODS DISTURBED DURING CONSTRUCTION AND SHALL BE REPLACED BY REGISTERED PUBLIC LAND SURVEYOR TO ORIGINAL PROPERTY CORNER AT NO SEPARATE PAY.
29. WORK PERFORMED UNDER THIS CONTRACT IS GOVERNED BY REQUIREMENTS OF SEVERAL PUBLIC, GOVERNMENTAL, AND PRIVATE ENTITIES. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF SAID ENTITIES.
30. CONTRACTOR SHALL SECURE THE CONSTRUCTION SITE AT ALL TIMES INCLUDING EVENTS OF INCLEMENT WEATHER.
31. THE CONTRACTOR TO MAINTAIN ALL EQUIPMENT AND TRANSPORTATION OF SAID EQUIPMENT WITHIN THE EXISTING RIGHTS-OF-WAY OF THE CITY, COUNTY, OR STATE.
32. THE CONTRACTOR SHALL CLEANUP AND RESTORE THE AREA OF OPERATIONS TO A CONDITION AS GOOD AS OR BETTER THAN THAT WHICH EXISTED PRIOR TO INSTALLATION OF ALL ITEMS TO BE CONSTRUCTED.
33. ANY DAMAGES TO FENCES, WALKS, OR PRIVATE PROPERTY SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.

UTILITY NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM WITH OWNER STANDARDS
2. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALL DIG TESS 48 HOURS PRIOR TO COMMENCEMENT OF WORK FOR UTILITY SPOTTING @ (1-800-DIG-TESS).
3. THE CONTRACTOR TO NOTIFY ALL UTILITY COMPANIES FOR VERIFICATION OF LOCATION OF EXISTING FACILITIES PRIOR TO BEGINNING ANY EXCAVATION.
4. UTILITIES SHOWN ON PLANS ARE APPROXIMATE IN LOCATION, ARE FOR INFORMATIONAL PURPOSES ONLY, AND MAY NOT BE ALL INCLUSIVE. THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE BASED UPON ABOVE GROUND EVIDENCE (INCLUDING, BUT NOT LIMITED TO MANHOLES, INLETS, VALVES, AND MARKS MADE UPON THE GROUND BY OTHERS) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. NEITHER THE OWNER NOR ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS AND ELEVATIONS AND SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT UTILITY LINES WHETHER SHOWN OR NOT SHOWN. ANY DEVIATIONS SHALL BE CALLED TO THE ENGINEER'S ATTENTION IMMEDIATELY
5. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY BEFORE ANY CONSTRUCTION WORK HAS BEGUN, OF DETERMINING THE EXACT HORIZONTAL AND VERTICAL LOCATIONS OF ANY UNDERGROUND FACILITIES IN THE AREA OF CONSTRUCTION PRIOR TO COMMENCING WORK, WHETHER INDICATED ON THE PLANS OR NOT. ANY FACILITIES DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY CONTRACTOR AT OWN EXPENSE. THE CONTRACTOR SHALL COORDINATE WITH THE PROPER UTILITY THE RELOCATION OF ANY FACILITY DESIGNATED ON THE PLANS OR DEEMED NECESSARY TO BE RELOCATED BY THE ENGINEER IN ORDER TO COMPLETE CONSTRUCTION OF THE PROJECT.
6. IN THE EVENT OF DAMAGE TO UNDERGROUND FACILITIES WHETHER OR NOT SHOWN IN THE DRAWINGS, THE CONTRACTOR SHALL MAKE THE NECESSARY REPAIRS TO PLACE THE FACILITIES BACK IN SERVICE AT NO INCREASE IN THE CONTRACT PRICE. SUCH REPAIRS SHALL CONFORM TO THE REQUIREMENTS OF THE COMPANY OR AGENCY SERVICING THE FACILITY.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL RESIDENTS/BUSINESSES OF INTERRUPTION TO THEIR UTILITIES THAT WILL BE CAUSED BY THE CONSTRUCTION 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
8. SHOULD A POTENTIAL CONFLICT EXIST BETWEEN THE EXISTING UTILITY, LATERAL, AND/OR SERVICE, AND THE PROPOSED IMPROVEMENTS, IMMEDIATELY NOTIFY OWNER AND/OR ENGINEER FOR FURTHER DIRECTION.
9. MAINTAIN SERVICE TO ALL EXISTING UTILITIES THROUGHOUT THE DURATION OF THE PROJECT.
10. SUPPORT, BRACE, AND/OR SHORE EXISTING UTILITIES WHEN EXCAVATING ADJACENT TO, ABOVE, OR BELOW EXISTING UTILITIES.
11. CONTRACTOR TO MAKE ARRANGEMENTS WITH THE APPROPRIATE UTILITY COMPANY FOR SECURING POLES, IF NECESSARY, WHILE CONSTRUCTION PASSES BY POLES. COSTS OF SECURING POLES WILL BE PAID FOR BY THE CONTRACTOR, NO SEPARATE PAY.
12. TRENCHING FOR UTILITY INSTALLATION SHALL BE NO MORE THAN 200' AHEAD OF PIPE INSTALLATION AND BACKFILL. NO TRENCH SHALL BE LEFT OPEN AFTER NORMAL WORKING HOURS. TRENCH PLATES SHALL BE USED TO COVER OPEN TRENCHES AT ROAD CROSSINGS.
13. UNLESS SHOWN OTHERWISE ON PLANS OR SPECIFICATIONS, DEWATERING FOR UTILITY INSTALLATION, INCLUDING ALL MANHOLES & CULVERTS, WILL NOT BE PAID FOR DIRECTLY BUT CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.
14. ALL PIPELINES 12" AND LARGER SHALL HAVE A MINIMUM COVER OF 48" UNLESS THE COVER AND DEPTH IS SPECIFICALLY INDICATED IN THE DRAWINGS. PIPE SMALLER THAN 12" SHALL HAVE A MINIMUM COVER OF 36" UNLESS NOTED OTHERWISE. PIPES SHALL BE ROUTED AS SHOWN UNLESS MINOR REVISIONS ARE NECESSARY TO MISS EXISTING PIPES, STRUCTURES, ETC. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL FITTINGS AND ADAPTERS REQUIRED TO MAKE THE ROUTING CHANGES AT NO ADDITIONAL COST TO THE OWNER.
15. CONTRACTOR SHALL MAKE CONNECTIONS TO EXISTING PIPE, EQUIPMENT, ETC. AS REQUIRED AND SHALL PROVIDE ALL FITTINGS, ADAPTERS AND APPURTENANCES REQUIRED TO MAKE THE CONNECTIONS. PROVIDE ALL SUPPORTS REQUIRED FOR A RIGIDLY SUPPORTED, COMPLETE AND WORKING SYSTEM.
16. CONTRACTOR SHALL NOTIFY OWNER A MINIMUM OF 48 HRS. PRIOR TO ANY TIE-INS WHICH REQUIRE INTERRUPTION OF SERVICE TO EXISTING CUSTOMERS.
17. OVERHEAD LINES MAY EXIST ON THE PROPERTY AND CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS IN THE VICINITY OF ANY OVERHEAD ELECTRIC LINES. LINES HAVE NOT BEEN MARKED SINCE THEY ARE CLEARLY VISIBLE, BUT CONTRACTOR SHOULD LOCATE THEM PRIOR TO CONSTRUCTION. CONTRACTOR SHALL ABIDE BY NATIONAL ELECTRIC CODE AND ANY REQUIREMENT BY OWNER OF ELECTRIC LINES. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE, FURTHER STATES THAT ALL ACTIVITIES IN THE VICINITY OF HIGH VOLTAGE LINES OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES. CONTRACTORS AND OWNERS ARE LEGALLY RESPONSIBLE FOR SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. THE CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS IN THE VICINITY OF ANY OVERHEAD ELECTRIC LINES.
18. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH OSHA STANDARDS FOR CONFINED SPACE. CONTRACTOR SHALL PROVIDE ALL REQUIRED EQUIPMENT INCLUDING A MONITOR FOR AIR AND EQUIPMENT FOR BREATHING AIR AND RETRIEVING SYSTEMS.
19. THE PREPARATION OF THESE PLANS REFLECTS INFORMATION, PROVIDED BY OTHERS, ON THE APPROXIMATE LOCATION AND EXISTENCE OF EXISTING UTILITY AND ADJACENT PHYSICAL FEATURES. HOWEVER, THEY DO NOT IMPLY OR AFFIRM THAT ALL UTILITIES OR PHYSICAL FEATURES ARE SHOWN. GENERALLY, UTILITY SERVICE CONNECTIONS ARE NOT INDICATED ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR NOTIFICATIONS OF THE OWNER IMMEDIATELY UPON ENCOUNTERING UNFORESEEN CONFLICTS.
20. THE APPROXIMATE LOCATIONS OF KNOWN EXISTING UTILITIES ARE SHOWN. CONTRACTOR SHALL DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATIONS IN THE FIELD PRIOR TO COMMENCING WORK. CONTRACTOR TO BE FULLY RESPONSIBLE FOR DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE EXISTING UTILITIES.
21. PUBLIC AND PRIVATE UTILITY LINES AND CUSTOMER SERVICE LINES MAY EXIST THAT ARE NOT SHOWN ON THE CONSTRUCTION DRAWINGS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE, MAINTAIN AND PROTECT THE INTEGRITY OF THESE LINES. HAND EXCAVATION MAY BE REQUIRED. THE CONTRACTOR SHALL RESTORE OR RELOCATED OR DIVERTED UTILITY TO ITS ORIGINAL CONDITION AND LOCATION WHEN APPLICABLE UPON COMPLETION OF CONSTRUCTION. SAID RESTORATION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL.
22. THE CONTRACTOR SHALL ADJUST EXISTING N.A.W.S.C. WATER LINES AS REQUIRED TO INSTALL DRAINAGE IMPROVEMENTS. SAID ADJUSTMENTS SHALL BE COORDINATED WITH N.A.W.S.C. PRIOR TO COMMENCEMENT OF WORK. SAID WATER LINE ADJUSTMENT SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL.
23. THE CONTRACTOR SHALL ADJUST AND CONNECT TO NEW SYSTEM EXISTING FIELD DRAIN LINES AT PROPOSED LOCATIONS. SAID WORK SHALL BE COORDINATED WITH H.C.I.D. NO. 1 PRIOR TO COMMENCEMENT OF WORK. SAID LINE ADJUSTMENTS AND CONNECTIONS SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL.
24. WHERE NEW WATER LINES AND SEWER LINES ARE INSTALLED WITH A SEPARATION DISTANCE CLOSER THAN NINE FEET (I.E., WATER LINES CROSSING WASTEWATER LINES, WATER LINES PARALLELING WASTEWATER LINES, OR WATER LINES NEXT TO MANHOLES) THE INSTALLATION MUST MEET THE REQUIREMENTS OF 30 TAC 317 (DESIGN OF SEWAGE SYSTEMS) OR 30 TAC 290 (WATER HYGIENE).
25. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER AND SEWER CONNECTIONS TO ALL HOMES AND BUSINESSES IN WORKING ORDER AT ALL TIMES EXCEPT FOR BRIEF INTERRUPTIONS IN SERVICE FOR CONNECTIONS TO BE REINSTALLED. IN NO CASE SHALL SERVICES BE ALLOWED TO REMAIN OUT OF SERVICE OVERNIGHT. CONTRACTOR IS RESPONSIBLE FOR DAMAGES TO SAID SERVICES.

STREET & EXCAVATION

- 1. ASPHALT LAYING MACHINE SHALL BE CAPABLE OF LAYING A 14" WIDTH.
2. DURING SUBGRADE PREPARATION, THE DEVELOPMENT OF ANY SOFT AREAS SHALL BE REMOVED AND REPLACED WITH ACCEPTABLE MATERIAL AND COMPACTED AS PER PROJECT SPECIFICATIONS. A SOFT AREA SHALL BE DEFINED AS AN AREA THAT EXHIBITS A DEPRESSION GREATER THAN 1" MEASURED VERTICALLY WHEN ROLLED AT 2' INTERVALS OR LESS BY A 14 YARD DUMP TRUCK FULLY LOADED. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS.
3. WHERE EXISTING ASPHALT IS TO BE CUT, THESE CUTS SHALL BE VERTICAL CUTS MADE WITH A SAW.
4. CARE SHALL BE TAKEN TO PROTECT CURB AND GUTTER AND OTHER CONCRETE SURFACES FROM ASPHALT SPLATTER DURING PRIMING, SEALING, AND TACKING OPERATIONS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING AREA BETWEEN THE BACK OF CURB/EDGE OF PAVEMENT, ROAD SIDE DITCH AND RIGHT-OF-WAY TO HAVE POSITIVE FLOW TO THE PROPOSED DRAINAGE SYSTEM.
6. PRIMING AND HOT MIX OPERATIONS SHALL NOT BE CONDUCTED ON DAYS WHEN OZONE ADVISORY HAS BEEN ISSUED; EXCLUDING DIRECTED REPAIRS.
7. ALL ROAD CROSSINGS SHALL BE REPLACED WITH A MINIMUM OF 8" COMPACTED CALICHE AND 2" HMAC OR LIKE SECTION, WHICHEVER IS GREATER.
8. THE DRAINAGE DISTRICT WILL PROVIDE CONTROL POINTS (BENCHMARK AND PROPERTY CORNERS) FOR THE WORK TO BE PERFORMED BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING, INCLUDING BUT NOT LIMITED TO HORIZONTAL & VERTICAL GRADE CUTS FOR CURB & GUTTER, IRRIGATION LINE, ROADWAY, STORM DRAIN PIPE, ROADSIDE DITCHES, DRIVEWAY CULVERTS AND DITCH WORK AT NO SEPARATE PAY UNLESS NOTED OTHERWISE.
9. THE CONTRACTOR SHALL CONNECT PROPOSED IRRIGATION LINE WITH EXISTING IRRIGATION PIPE IN ACCORDANCE WITH H.C.I.D. NO 1 SPECIFICATIONS. SUPPORT COLLARS MAY BE USED. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGE TO THE EXIST LINE CAUSED BY THIS WORK. ELBOWS AND MISC. FITTINGS SHALL ALSO BE USE TO ACHIEVE A 1.0 FT SEPARATION BETWEEN TOP OF PROP. DRAIN LINE AND BOTTOM OF THE IRRIGATION LINE.
10. ELBOW FOR RCP OR HPP BEING PROPOSED AT THE END OF LINES SHALL BE PRE-FABRICATED AND SECURED TO THE PIPE WITH A CONCRETE COLLAR (TYPICAL ON ALL PIPE ELBOW INSTALLATIONS). ELBOW SHALL BE REQUIRED AT ALL LOCATIONS SHOWN ON THE PLANS. THIS SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL. PRE-FABRICATED ELBOWS SHALL BE FIELD CONFIRMED BY THE CONTRACTOR.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPROVING ALL EXISTING DRIVEWAYS, CALICHE, DIRT OR ASPHALT DRIVEWAYS SHALL BE REPLACED WITH 3" COMPACTED CALICHE AND 1" ACP. CONCRETE DRIVEWAYS SHALL BE REPLACED WITH 4" CONCRETE WITH REINFORCEMENT AS PER DETAILS. THIS SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED ON THE PROPOSAL UNLESS A SPECIFIC BID ITEM IS INCLUDED IN THE BID FOR DRIVEWAYS.
12. FOR ALL PITS OR QUARRIES, COMPLY WITH THE "TEXAS AGGREGATE QUARRY AND PIT SAFETY ACT".
13. THE CONTRACTOR SHALL RELOCATE OR RECONSTRUCT ALL MAIL BOXES TO BE 1' BEHIND BACK OF CURB OR 3' BEHIND EDGE OF PAVEMENT. MAIL BOXES SHALL BE REPLACED TO THE SAME EXISTING CONDITIONS OR BETTER. SAID RELOCATION AND/OR RECONSTRUCTION OF MAIL BOXES SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL EXISTING WATER VALVES AND MANHOLES TO MATCH PROPOSED FINISH GRADE OF ROADWAY. CONCRETE COLLARS SHALL BE INSTALLED TO MATCH TOPS WITH PAVEMENT GRADE. THIS WORK SHALL BE INCIDENTAL AND NOT A SEPARATE PAY ITEM UNLESS STATED OTHERWISE.
15. THE CONTRACTOR SHALL INSURE A 6" MINIMUM COVER FOR DRIVEWAY CULVERTS. THE RELAYING OR REMOVAL OF DRIVEWAY PIPE CULVERTS SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED ON THE PROPOSAL.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT/RELOCATION OF ALL REGULATORY TRAFFIC CONTROL DEVICES FOR IN THE SPECIFIC LOCATIONS THAT DO NOT CONFORM TO THE CURRENT EDITION OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". IN NO CASE WILL A SIGN BE REMOVED WITHOUT A REPLACEMENT SIGN AND SUPPORT(S) BEING READILY AVAILABLE AND A LOCATION ESTABLISHED. REMOVAL AND RELOCATION OF THESE SIGNS WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED ON THE PROPOSAL.
17. ALL CONSTRUCTION OPERATIONS SHALL BE CONDUCTED TO PROVIDE THE LEAST POSSIBLE INTERFERENCE FOR IN THE SPECIFIC LOCATIONS THAT DO NOT CONFORM TO THE CURRENT EDITION OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
18. DIRT EXCAVATION AND HAULING MEASUREMENT SHALL BE BASED UPON CROSS-SECTIONS AS REQUIRED, IN ACCORDANCE WITH SECTION 02315, WHICH ARE BASED ON DIRT IN THE GROUND. NO ADDITIONAL PAYMENT WILL BE GIVEN FOR OVER EXCAVATION. FURTHER, PAYMENT SHALL NOT BE BASED ON THE NUMBER OF TRUCK-LOADS.
19. THE CONTRACTOR IS RESPONSIBLE FOR THE PREPARATION AND SUBMITTAL OF THE TRENCH EXCAVATION PROTECTION PLAN. CONTRACTOR SHALL SUBMIT CONSTRUCTION DETAILS AND DESIGN CALCULATIONS BEARING THE SEAL OF A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF TEXAS BEFORE CONSTRUCTING THE SHORING AND/OR UTILIZING A TRENCH PROTECTION SYSTEM (BOX). THE ENGINEER RESERVES THE RIGHT TO REJECT DESIGNS NOT MEETING THE REQUIREMENTS OF SECTION ITEM 02490 AND 02331.
20. ALL DEBRIS, VEGETATION AND SURPLUS MATERIAL, RESULTING FROM DEMOLITION AND/OR CLEARING OF THE RIGHT-OF-WAY IN PREPARATION OF PROPOSED IMPROVEMENTS SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF AT A SITE ACCEPTABLE TO HIDALGO COUNTY DRAINAGE DISTRICT NO 1. THE CONTRACTOR SHALL PROVIDE A LETTER STATING SO. THIS SHALL BE INCIDENTAL AND NOT A SEPARATE PAY ITEM UNLESS STATED OTHERWISE. EXCAVATED MATERIAL SHALL BE DEPOSITED IN LOW AREAS OR ALONG NATURAL DRAINAGE WAYS WITHOUT WRITTEN PERMISSION FROM THE AFFECTED PROPERTY OWNER AND THE HIDALGO COUNTY DRAINAGE DISTRICT NO 1. IF THE CONTRACTOR PLACES EXCESS MATERIAL IN THE AREAS WITHOUT WRITTEN PERMISSION, HE WILL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM SUCH FILL AND CONTRACTOR SHALL REMOVE THE MATERIAL AT OWN COST.
21. NO OPEN EXCAVATION SHALL BE LEFT OPEN OVERNIGHT. ALL EXCAVATIONS WHICH CANNOT BE BACKFILLED OVERNIGHT SHALL BE COVERED, AS A MINIMUM, WITH STEEL PLATING WHEN IN PAVED AND UNPAVED AREAS SUBJECT TO VEHICULAR LOADING; ¾ PLYWOOD, WOOD PLANKING WITH O.S.H.A. ORANGE PLASTIC EXPANDED MESH BARRIER AROUND PERIMETER IN UNPAVED AREAS NOT SUBJECT TO VEHICULAR LOADING, OR AS APPROVED BY THE ENGINEER.
22. DURING EXCAVATION OPERATIONS FOR DRAINAGE AND/OR UTILITIES, THE CONTRACTOR SHALL NOT PILE EXCAVATED MATERIAL OR EXCAVATE WITHIN THE DRIP LINE OF TREES THAT ARE TO BE PRESERVED.
23. THE CONTRACTOR SHALL BE RESPONSIBLE TO FOLLOW ALL T.C.E.Q. STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENTS AS PER SWP3 SHEETS AND AS STATED IN TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM CONSTRUCTION GENERAL PERMIT (TDES TXR150000, EFFECTIVE DATE MARCH 5, 2008), INCLUDING N.O.I. AND N.O.T. SUBMITTAL AND MS4 NOTIFICATION.

DEMOLITION

- 1. AFTER REMOVAL OF PIPING AND STRUCTURES DESIGNATED IN PLANS, EXCAVATIONS SHALL BE BACKFILLED USING NATIVE MATERIAL AND COMPACTED TO 95% STANDARD PROCTER DENSITY.
2. EXISTING PIPE LEFT IN PLACE AFTER DEMOLITION/REMOVAL ACTIVITIES SHALL BE PLUGGED OR CAPPED USING RESTRAINED FITTING. IF RESTRAINED FITTINGS CAN NOT BE USED THEN THRUST BLOCKING SHALL BE INSTALLED.
3. THE CONTRACTOR WILL BE REQUIRED TO CONTACT THE ENGINEER AND OWNER TO COORDINATE ANY DEMOLITION ACTIVITIES AT LEAST 48 HOURS PRIOR TO INITIATING ANY SUCH ACTIVITY.
4. THE CONTRACTOR IS REQUIRED TO DISPOSE OF ALL MATERIALS AND PAY FOR ALL FEES RELATING TO DISPOSAL OF ALL MATERIAL IN COMPLIANCE WITH TCEQ AND EPA RULES AND REGULATIONS AT PERMITTED DISPOSAL SITES AND PROVIDE ALL HAULING MANIFESTS. THIS PROJECT WILL NOT BE ACCEPTED UNTIL CONTRACTOR PRODUCES THIS DOCUMENTATION.
5. REMOVAL OF THE EXISTING IMPROVEMENTS SHALL BE AS REQUIRED FOR THE PROJECT. THOSE MATERIALS SHALL BE REMOVED AND DISPOSED OF IN A PROPER AND LEGAL MANNER PER FEDERAL, STATE, AND OR LOCAL LAWS AND ORDINANCES.
6. IF AN HAZARDOUS MATERIAL ARE ENCOUNTERED THE OWNER SHALL BE NOTIFIED. THOSE MATERIALS SHALL BE REMOVED AND DISPOSED OF IN A MANNER AS APPROVED BY ALL GOVERNING AGENCIES AND IN A LANDFILL OR DISPOSAL FACILITY LICENSED TO ACCEPT HAZARDOUS MATERIAL.
7. PRE DEMOLITION PHOTOGRAPHS SHALL BE TAKEN THAT SHOW EXISTING CONDITIONS OF THE SITE AND ADJOINING STRUCTURES TO REMAIN. PHOTOS SHALL INCLUDE DAMAGE TO FINISH SURFACES THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY DEMOLITION OPERATIONS.
8. EXISTING BUILDINGS, PAVEMENTS, SIDEWALKS, CURBS, DRIVEWAYS, ELECTRICAL TRANSFORMERS, DITCHES, DRAINAGE PIPES AND STRUCTURES, FENCES, LAWNS, TREES, BUSHES, MAILBOXES, SIGNS, POWER POLES, ETC. TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE DURING CONSTRUCTION SHALL BE RESTORED, RECONSTRUCTED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ALL DAMAGES SHALL BE RESTORED OR REPLACED TO AT LEAST THEIR ORIGINAL CONDITION OR AS REQUIRED OR DICTATED BY FEDERAL, STATE, COUNTY, CITY OR LOCAL GOVERNING AGENCIES.
9. SAW CUT THE EDGES OF PAVED AREAS CLEAN, NEAT AND TRUE TO LINE SO NO UNWANTED CHIPPING OR BREAKING OF EXISTING PAVEMENT TO REMAIN WILL OCCUR.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSPECT EACH DAY AND REMOVE ALL MUD, DIRT, GRAVEL AND LOOSE MATERIALS TRACKED (DUMPED, SPILLED OR WIND BLOWN) AT EACH CONSTRUCTION SITE ONTO OTHER SITES, RIGHT OF WAYS, PUBLIC OR PRIVATE STREETS OR ROADS, DRIVEWAYS, YARDS OR SIDEWALKS. THE CONTRACTOR MUST CLEAN OR PICK UP DAILY IF NECESSARY. THE CONTRACTOR SHALL REDUCE THE AIRBORNE DUST DURING THE ENTIRE DEMOLITION SCHEDULE. WATER MAY BE USED AS A REDUCER.
11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR OR CONTRACTORS TO OBTAIN ALL FEDERAL, STATE, COUNTY, CITY, AND LOCAL PERMITS FOR ANY AND ALL WORK REQUIRED UNLESS OTHERWISE NOTED. THIS SHALL INCLUDE ALL SUBMITTALS AS REQUIRED INCLUDING STORMWATER POLLUTION PREVENTION PLAN. THE CONTRACTOR OR CONTRACTORS ARE RESPONSIBLE TO PAY FOR ALL THE REQUIRED PERMITS BY ANY OR ALL AGENCIES MENTIONED ABOVE UNLESS OTHERWISE NOTED BY THE CONTRACT OR SPECIFICATIONS.
12. REMOVAL OF EXISTING CONCRETE OR OTHER PAVED AREAS SHALL INCLUDE ALL AGGREGATE BASE MATERIALS. AREAS TO BE REMOVED SHALL BE SAW CUT CLEAN, NEAT AND TRUE TO LINE. REMOVE ALL NON ORGANIC MATTER THAT WOULD INTERFERE WITH THE GROWTH OF VEGETATION.
13. THE CONTRACTOR SHALL ABANDON AND CAP ANY PORTION OF PIPE LINE (STORM, IRRIGATION, ETC.) FOUND WITHIN THE PROPOSED PIPE TRENCH, AT THE ENGINEER'S REQUEST. ONCE APPROVED BY THE ENGINEER, THE PIPE TO BE ABANDONED SHALL BE CAPPED AND SEALED WITH CEMENT AT BOTH ENDS OF THE TRENCH. THIS SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS UNLESS OTHERWISE STATED.
14. THE CONTRACTOR SHALL REMOVE ALL FENCES LOCATED WITHIN THE EASEMENTS, INTERFERING WITH CONSTRUCTION OPERATION AND PROVIDE TEMPORARY FENCING DURING CONSTRUCTION. REMOVED FENCES SHALL BE REPLACED WITH A NEW FENCE OR UNDAMAGED ORIGINAL FENCING. REMOVAL AND REPLACEMENT OF EXISTING AND TEMPORARY FENCES SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT COST AND REFLECTED IN THE UNIT BID PRICES FOR VARIOUS ITEMS LISTED IN THE PROPOSAL UNLESS NOTED OTHERWISE.
15. ABANDONED FITTINGS, VALVES, EQUIPMENT, ETC. SHALL BE RECOVERED AND STOCKPILED AT A SECURE LOCATION BY THE CONTRACTOR FOR SALVAGE BY THE OWNER. HOWEVER, ALL RELATED ITEMS THAT ARE UNWANTED BY THE OWNER SHALL BECOME PROPERTY OF THE CONTRACTOR AND DISPOSED OF IN AN APPROPRIATE MANNER.
16. ALL EXISTING PIPES THAT ARE TO BE ABANDONED IN PLACE OR REMOVED MAY NOT BE SHOWN. WHERE PIPING IS TO BE ABANDONED AND MUST REMAIN IN SERVICE UNTIL COMPLETION OF OTHER PHASES OF WORK, AND IT CONFLICTS WITH NEW PIPING, TEMPORARILY RELOCATE PIPING (BY-PASS) AND PROVIDE ALL NECESSARY EQUIPMENT AND MATERIALS AS REQUIRED TO MAINTAIN SERVICE AT NO ADDITIONAL COST TO THE OWNER UNLESS OTHERWISE SHOWN IN THE BID FORM.



902 N. DOOLITTLE RD. EDINBURG, TX 78542 TEL: (956) 292-7080 WWW.HCDD1.ORG

Raul E. Sasin, PE, CFM District General Manager Floodplain Administrator

Table with 2 columns: MARK, DESCRIPTION

Table with 4 columns: DESIGNED BY, CHECKED BY, SURVEYED BY, ISSUE DATE



THIS SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY OMAR ANZALUZA, JR., P.E. NO. 97249 ON THE ABOVE DESIGNATED DATE

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1 BENTSEN ROAD STORMWATER PROJECT APPA-22-124-094

