— DETAIL NUMBER

— CONSECUTIVE
SHEET NO. ON WHICH
DETAIL APPEARS

DIRECTION OF CUT

SECTION NUMBER

CONSECUTIVE
SHEET NO. ON WHICH
SECTION APPEARS

SYMBOL

DESCRIPTION

SECTION

REINFORCED CONCRETE.

BUILDING, PLAN VIEW

PAVEMENT REMOVAL

GRATING, PLAN VIEW

ALUMINUM OR STEEL DECK PLATE

SELECT BACKFILL

GRANULAR FILL

DRIVEWAY OR SIDEWALK

https://doi.org/1001258401/dgn/25846 Mon don 13 11:29:08 2003 \text{VHZDALLAS2\DISKO\PLOTTI

\*no ref levels\*
\*no ref levels\*
\*no ref levels\*
\*no ref levels\*

name...

lagical\*, lagica

\* \* \* \* \* \*

2 2 2 2 2

3.20,60,61 ref name\*, eno ref is ref name\*, eno ref is ref name\*, eno ref is

1991cal\*, \*no r logical\*, \*no r logical\*, \*no r logical\*, \*no r logical\*, \*no r

**4 4 4** 5 5 5 5 5

CEMENT TREATED BASE

ASPHALT PAVEMENT

CONCRETE ROAD.

SINGLE LINE PIPE WITH XX INDICATING PRODUCT (WHERE PRESENT)

DOUBLE LINE PIPE

-E---→ UNDERGROUND ELECTRICAL

.

EARTH OR GRADE

HANDRAIL

SHALE OR LIMESTONE

TEST BORING LOCATION AND NUMBER

BENCHMARK LOCATION

FIRE HYDRANT

AND NUMBER

YARD HYDRANT STATION

**A**BM-X

N XXXX

E XXXX

COORDINATE LOCATION

VALVE LEGEND

XX-XXX-XXXX
T TT T SECOND VALVE OF THIS

TYPE IN THE SERIES, IF APPLICABLE

— AREA CODE, IF APPLICABLE

— TYPE OF OPERATOR, IF APPLICABLE

— TYPE OF VALVE

- NOMINAL SIZE (IN.) IF SIZE IS NOT INDICATED, VALVE SHALL BE LINE SIZE NOTES:

I. VALVES SMALLER THAN 6 INCHES SHALL NOT BE CONSECUTIVELY
NUMBERED LINESS THEY HAVE POWERED OPERATORS OR ARE

NUMBERED UNLESS THEY HAVE POWERED OPERATORS OR ARE REQUIRED FOR PROCESS CONTROL DESCRIPTION.

2. THERE IS NO DESIGNATION FOR MANUALLY OPERATED VALVES.

3. SIZE OF SLUICE GATES, SLIDE GATES, ETC., SHALL BE SHOWN AS HEIGHT X WIDTH, IN INCHES.

	SYMBOL	CODE	DESCRIPTION	SYMBOL	CODE	DESCRIPTION
	△ <sup>A</sup>	Д	AIR RELEASE VALVE	SEAL PORT	PV	ECCENTRIC PLUG VALVE
	A∨	AV	AIR & VACUUM VALVE	$\Diamond$	PV	LUBRICATED PLUG VALVE
	CA	CA	COMBINATION AIR VALVE	Ž.	R	PRESSURE OR VACUUM RELIEF VALVE
		AN	ANGLE VALVE		SL SG	SLUICE GATE OR
	$\bowtie$	BV	BALL VALVE	S		
	<b>⊳</b>	ВСК	BALL CHECK VALVE		SO SR	SOLENOID VALVE SURGE RELIEF
	8	BV	BUTTERFLY VALVE		<b>JP</b> (	SUNGE RELIEF
	<b>\</b>	BCV	BUTTERFLY CHECK VALVE			
		CV .	SWING CHECK VALVE W/			
		DV	EXTERNAL LEVER DIAPHRAGM VALVE			PNEUMATIC OR HYDRAULIC
		FG	FLAP GATE		С	CYLINDER OPERATOR
	$\bowtie$	GV	GATE VALVE	7	D	DIAPHRAGM OPERATOR
		GV	GLOBE VALVE		M	MOTOR OPERATOR
	<b>\( </b>	HB	HOSE BIBB	<u>s</u>	\$	SOLENOID OPERATOR
	<b>□</b>	HB	NON-FREEZE HOSE BIBB			MAANHAL ODEDA TOD
	$\bowtie$	KG	KNIFE GATE VALVE	· ·	***	MANUAL OPERATOR
ı		PL	MULTI-PORT VALVE			
	M	NE	NEEDLE VALVE			
		PI	PINCH VALVE			

PRODUCT CODES					
	PR	ADII	CT	CODES	

MATERIAL CODES

CODE	DESCRIPTION	CODE	DESCRIPTION		
AHP	HIGH PRESSURE PROCESS AIR	AC	ASBESTOS CEMENT		
ALP	LOW PRESSURE PROCESS AIR	BS	BLACK STEEL		
D	DRAIN	CI	CAST IRON		
FBW	FILTER BACKWASH WASTEWATER	CIS	CAST IRON SOIL		
HFR	HYDRAULIC FLUID RETURN	CU	COPPER		
HFS	HYDRAULIC FLUID SUPPLY	D/L	DUCTILE IRON		
HW	HOT WATER (POTABLE)	FRP	FIBERGLASS REINFORCED PLASTIC		
LE	LAGOON EFFLUENT	GS	GALVANIZED STEEL		
NPW	NON-POTABLE WATER	PE	POLYETHYLENE		
PD	PLANT DRAIN	PVC	POLYVINYL CHLORIDE		
PE	PUMP STATION EFFLUENT	RCP	REINFORCED CONCRETE		
PG	PROPANE GAS	RGCP	PRESTRESSED CONCRETE CYLINDER		
PW	POTABLE WATER	S	STEEL		
RCY	RECYCLE WATER	SS	STAINLESS STEEL		
RSL	RECIRCULATED SLUDGE	SST	STAINLESS STEEL TUBING		
SA	SAMPLE	VCP	VITRIFIED CLAY		
SBB	SEDIMENTATION BASIN BLOWDOWN				
SL	SLUDGE				
SS	SANITARY SEWER				

RECORD DRAWINGS JANUARY 13, 2003
THIS RECORD DOCUMENT HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

GENERAL NOTES

E,FL FLEX FLG FLH

1. ALL CONSTRUCTION SHALL CONFORM WITH THE STANDARDS AND DETAILS OF THE CITY OF ROCKWALL.

FLOW LINE

FLEXIBLE FLANGE FLAT HEAD

2. SPECIFICATIONS SHALL CONSIST OF THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS STANDARD SPECIFICATIONS ALONG WITH THE CITY OF ROCKWALL SPECIAL PROVISIONS.

3. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING DETERMINATIONS REGARDING THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS NECESSARY TO AVOID DAMAGE THERETO. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

4. ALL WASTEWATER PIPE EMBEDMENT AND APPURTENANCES SHALL BE SUBSIDIARY TO THE OTHER WASTEWATER ITEMS.

5. ALL ITEMS NEEDED FOR THE COMPLETION OF THE PROJECT AND NOT INCLUDED AS A SPECIFIC BID ITEM SHALL BE SUBSIDIARY TO THE OTHER BID ITEMS IN THE PROJECT.

6. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE CONTRACT DOCUMENTS, SPECIFICATIONS, AND PLANS INCLUDING ALL NOTES. FAILURE ON THE PART OF THE CONTRACTOR TO FAMILIARIZE HIMSELF WITH THE DESIGNATED STANDARDS AND SPECIFICATIONS PERTAINING TO THIS WORK SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR PERFORMING THE WORK IN ACCORDANCE WITH ALL SUCH STANDARDS AND SPECIFICATIONS.

7. IT WILL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO PROTECT ALL EXISTING PUBLIC AND PRIVATE UTILITIES THROUGHOUT THE

7. IT WILL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO PROTECT ALL EXISTING PUBLIC AND PRIVATE UTILITIES THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. CONTRACTOR SHALL CONTACT THE TEXAS EXCAVATION SAFETY SYSTEM AT 1-800-DIG-TESS (1-800-344-8377) AT LEAST 48 HOURS BEFORE DIGGING, CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES FOR LINE LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL ASSUME FULL LIABILITY TO THOSE COMPANIES FOR ANY DAMAGES CAUSED TO THEIR FACILITIES.

8. ALL CONTRACTORS SHALL CONFINE THEIR ACTIVITIES TO THE EASEMENT AREA. NO ENCROACHMENTS ONTO ADJACENT DEVELOPED OR UNDEVELOPED PROPERTY AREAS WILL BE ALLOWED UNLESS APPROVED BY THE PROPERTY OWNER. A COPY OF THE PROPERTY OWNER'S WRITTEN APPROVAL SHALL BE SUPPLIED TO THE CITY BY THE CONTRACTOR.

9. OTHER CONSTRUCTION MAY BE UNDERWAY AT THE SAME TIME AND IN THE GENERAL AREA OF THE SUBJECT PROJECT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND COORDINATE WITH OTHER CONTRACTORS TO DETERMINE A CONSTRUCTION SCHEDULE THAT WILL OFFER THE LEAST HINDRANCE TO ALL INVOLVED. THE OWNER'S ENGINEER WILL BE NOTIFIED OF ALL COORDINATION. IN THE EVENT OF A SCHEDULING CONFLICT THE OWNER'S ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

IO. CONSTRUCTION INSPECTION WILL BE PERFORMED BY REPRESENTATIVES OF THE OWNER, ENGINEER, GEOTECHNICAL ENGINEER, AND REVIEWING AUTHORITIES AND AGENCIES. UNRESTRICTED ACCESS SHALL BE PROVIDED TO THEM AT ALL TIMES. CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND SCHEDULING REQUIRED INSPECTIONS.

II. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE AND MAINTAIN ALL NECESSARY WARNING AND SAFETY DEVICES (FLASHING LIGHTS, BARRICADES, SIGNS, ETC., IN CONFORMANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL, LATEST EDITION) TO PROTECT PUBLIC SAFETY AND HEALTH UNTIL THE WORK HAS BEEN COMPLETED AND ACCEPTED BY THE DISTRICT.

ABBREVIATIONS

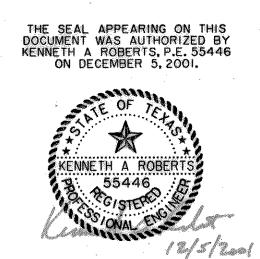
	· · · · · · · · · · · · · · · · · · ·				
AB ACI ADJ AGGR AISC	ANCHOR BOLT AMERICAN CONCRETE INSTITUTE ADJUSTABLE AGGREGATE AMERICAN INSTITUTE OF STEEL CONSTRUCTION	FLTR FM FT FTG FWD	FILTER FORCE MAIN FOOT FOOTING FORWARD	PREFAB PRESS PRI PROP PRVC	PREFABRICATED PRESSURE PRIMARY PROPERTY POINT OF REVERSE VERTICAL
ALT ALUM ANSI ASTM	ALTERNATE ALUMINUM AMERICAN NATIONAL STANDARDS INSTITUTE AMERICAN SOCIETY OF TESTING AND MATERIALS	G GA GAL GALV GC GL	GUTTER GAUGE GALLON GALVANIZED GROOVED COUPLING GLASS	PSF PSI PSIG PT PVC	CURVATURE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POUNDS PER SQUARE INCH GUAGE POINT OF TANGENCY POLYVINYL CHLORIDE, POINT OF VERTICAL CURVATURE
© AUTO AUX AVG AWS	AT AUTOMATIC AUXILIARY AVERAGE AMERICAN WELDING SOCIETY	GP GPD GPH GPM	GATE POST GALLONS PER DAY GALLONS PER HOUR GALLONS PER MINUTE	PVI PVMT PVT PW	POINT OF VERTICAL INTERSECTION PAVEMENT POINT OF VERTICAL TANGENCY POTABLE WATER
AWWA B-B BF BLDG BM BOT	AMERICAN WATER WORKS ASSOC.  BORING BACK TO BACK BLIND FLANGE BUILDING BENCHMARK BOTTOM	HB HDW HDWL HGT HMC HMJ HORIZ HP	HOSE BIBB HARDWARE HEADWALL HEIGHT HARNESSED MECHANICAL COUPLING HARNESSED MECHANICAL JOINT HORIZONTAL HORSE POWER	R, RAD RCP RCCP RD RDCR, RED	RADIUS REINFORCED CONCRETE PIPE REINFORCED CONCRETE CYLINDER PIPE ROAD, ROOF DRAIN REDUCER
C CAL C/C, CC CCW CL CF, CU FT CFM	CHANNEL (STRUCTURAL STEEL) DEGREES, CENTIGRADE CALIPER CENTER TO CENTER COUNTER CLOCKWISE CENTERLINE CUBIC FOOT CUBIC FEET PER MINUTE	ID IE IEEE IN INFL INSTM IMVT	INSIDE DIAMETER FOR EXAMPLE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS INCHES INFLUENT INSTRUMENT INVERT	REF REINF REQ(S) R RM R/W, ROW RST RT	REFER, REFERENCE REINFORCE, REINFORCED, REINFORCING REQUIRED, REQUIREMENT(S) ROD HOLE ROOM RIGHT OF WAY REINFORCING STEEL RIGHT
CFS CHEM CHKD CJ CL2 CLR CMU CO	CUBIC FEET PER SECOND CHEMICAL CHECKERED CONSTRUCTION JOINT CHLORINE CLEAR CONCRETE MASONRY UNIT CLEANOUT	JT	IRON ROD SET INSTRUMENT SOCIETY OF AMERICA  JOINT THOUSAND POUNDS KILOVOLT	S SAN SCH, SCHED SD SEC SECT SEW	SLOPE SANITARY SEWER SCHEDULE STORM DRAIN SECONDARY SECTION SEWER
COL CONC CONSTR CONT COORD CPLG CR CTB CTR CU IN	CONCRETE MASONRY UNIT CLEANOUT COLUMN CONCRETE, CONCENTRIC CONSTRUCTION CONTINUED, CONTINUOUS COORDINATE COUPLING CURB RETURN CEMENT TREATED BASE CENTER CUBIC INCH	KW L L, Z LB LB/CU FT LF LR LT	THOUSAND POUNDS KILOVOLT KILOWATT  LENTH OF CURVE ANGLE POUND POUNDS PER CUBIC FOOT LINEAR FEET LONG RADIUS LEFT  MAXIMUM	SQ FT SQ IN SS	SHEET SIMILAR SOLUTION SPACING SPECIFICATION SQUARE SQUARE FOOT SQUARE INCH STAINLESS STEEL
CW CY D DEL DTL, DET DI Ø, DIA DIP	CLOCKWISE CUBIC YARD  DELTA DOUBLE DETAIL DUCTILE IRON, DROP INLET DIAMETER DUCTILE IRON PIPE	MAX MEC MFR MGD MH MIN MISC MC MJ	MOTOR CONTROL CENTER MANUFACTURER MILLION GALLONS PER DAY MANHOLE MINIMUM MISCELLANEOUS MECHANICAL COUPLING MECHANICAL JOINT	SAWW SA SA SABSI	STATION STANDARD STEEL STEAM STRUCTURE, STRUCTURAL SUBSTATION SOUTHWEST, SOUTHWESTERN SQUARE YARD SYMMETRICAL
DISCH DWG E EA EF EFF, EFL ELB, EL EL, ELEV ELEC ENGR EQPT	DISCHARGE DRAWING  EAST EACH EACH FACE EFFLUENT ELBOW ELEVATION ELECTRICAL ENGINEER EQUIPMENT	N NEC NEMA  N+C NO(S) NPT NPW NTS NWS	MAXIMUM WATER SURFACE  NORTH NATIONAL ELECTRIC CODE NATIONAL ELECTRICAL MANUFACTURER'S ASSOC. NOT IN CONTRACT NUMBER, NUMBERS NATIONAL PIPE THREADS NON-POTABLE WATER NOT TO SCALE NORMAL WATER SURFACE	TB TBG TBM TC TDH TECH TEL, TELE TEMP THD TP	TANGENT TOP AND BOTTOM TEST BORING TUBING TEMPORARY BENCHMARK TOP OF CURB TOTAL DYNAMIC HEAD TECHNICIAN TELEPHONE TEMPERATURE THREAD TURNING POINT
EX, EXIST EXH EXP	EACH WAY EACH FACE EXISTING EXHAUST EXPANSION EXPANSION ANCHOR BOLT EXPANSION JOINT	OC OCEW OD OPNG OSHA	ON CENTER ON CENTER EACH WAY OUTSIDE DIAMETER OPENING OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	TT TYP UBC V	THRUST TIE TYPICAL UNIFORM BUILDING CODE VENT, VOLT VACUUM
°F FC FCA FDN FF FG	DEGREES, FAHRENHEIT FLEXIBLE COUPLING FLANGED COUPLING ADAPTER FLOOR DRAIN FOUNDATION FINISHED FLOOR FINISHED GRADE	P PC PCCP PE PG PI	PIPE POINT OF CURVATURE PRESTRESSED CONCRETE CYLINDER PIPE PLAIN END PAGE POINT OF INTERSECTION	W/ WF WS WTR	VERTICAL CURVE VERTICAL WITH WIDE FLANGE (STRUCTURAL STEEL) WATER SURFACE, WATER STOP WATER
FH FIG FIN	FIRE HYDRANT FIGURE FINISH FLOOR	PLC(S) PL PLYWD PP	PLACE, PLACES PLATE (METAL) PLYWOOD POWER POLE	YD YR	YARD YEAR

POINT OF REVERSE CURVATURE X-ING

NOTE:

THIS IS A STANDARD LEGEND DRAWING.

SOME SYMBOLS OR ABBREVIATIONS MAY APPEAR
ON THIS DRAWING AND NOT IN THIS SET OF PLANS.



ABBREVIATIONS & SYMBOLS FOR LIFT STATION

LINE 'C' - LIFT STATION

SIGNAL RIDGE

CITY OF ROCKWALL, TEXAS

Huitt-Zollars, Inc.

Dallas, Ft Worth, Houston, El Paso, Albuquerque, Denver, Phoenix, Tustin, Ontario, Seattle, Tacomo

DESIGN DRAWN APPR. SCALE DATE PROJECT NO. NO.

HZI HZI NTS DEC 2001 01258401 2