

LOCATION MAP

GENERAL PROJECT NOTES

(NO SEPARATE PAY ITEMS)

- 1) CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE MEASURES FOR PREVENTING STORM WATER RUNOFF FROM ENTERING THE TRENCH DURING CONSTRUCTION.
- 2) AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL ERECT A TEMPORARY SECURITY FENCE AT ALL EXCAVATIONS.
- 3) TOPSOIL SHALL BE STOCKPILED AND REPLACED TO A MINIMUM DEPTH OF 8 INCHES AND DISC HARROWED TO A MINIMUM DEPTH OF 4 INCHES. CONTRACTOR IS ALLOWED TO IMPORT TOPSOIL TO ACHIEVE 8" DEPTH.
- 4) FINISHED GROUND SHALL HAVE NO MORE ROCKS OVER 1 INCH IN SIZE. ALL ROCKS LARGER THAN 1 INCH SHALL BE COLLECTED AND DISPOSED OF BY THE CONTRACTOR.
- 5) CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES SUFFICIENTLY IN ADVANCE OF THE CONSTRUCTION SO THAT IF IT IS NECESSARY TO CHANGE OR MOVE UTILITY, THE PROGRESS OF THE WORK WILL NOT BE DELAYED.
- 6) CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SERVICE LINES GROSSED OR EXPOSED BY HIS CONSTRUCTION OPERATIONS. WHERE EXISTING SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY REPLACE THE SERVICE LINES WITH THE SAME TYPE OF ORIGINAL CONSTRUCTION, OR BETTER.
- 7) PIPE THRUST RESTRAINT SHALL BE BY WELDED JOINTS AND/OR BY MECHANICAL MEANS. PIPE RESTRAINTS SHALL BE SUBSIDIARY TO PIPE COST AND SHALL BE DESIGNED AND INSTALLED TO RESTRAIN TEST PRESSURES.
- 8) CONTRACTOR SHALL PROVIDE A STORM WATER POLLUTION PREVENTION PLAN AND ALL APPURTENANCES TO COMPLY WITH THE LATEST TCEQ STORM WATER POLLUTION PREVENTION REGULATIONS.
- 9) CONTRACTOR SHALL ANTICIPATE ENCOUNTERING GROUND WATER THROUGHOUT THIS PROJECT AND SHALL PROVIDE ADEQUATE MEASURES FOR DEWATERING THE TRENCH & EXCAVATIONS. ALL COSTS FOR PUMPS AND/OR OTHER RELATED SHALL BE INCLUDED IN THE APPROPRIATE ITEM OF THE BID SCHEDULE.
- 10) CONTRACTOR SHALL SUPPORT ALL UTILITY POLES AND LIGHT STANDARDS/POLES NEAR EXCAVATION.
- 11) CONTRACTOR SHALL PROTECT EXISTING CONCRETE PAVEMENT FROM TRACKED EQUIPMENT BY USE OF TIMBERS.
- 12) CONTRACTOR SHALL RESET ALL IRON RODS AND OTHER PROPERTY MARKERS DISTURBED BY CONSTRUCTION.
- 13) CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING FACILITIES LOCATED ON THIS SITE AT ALL TIMES DURING CONSTRUCTION. ACCESS SHALL BE MAINTAINED TO THE SATISFACTION OF THE CITY OF ROCKWALL AND NORTH TEXAS MUNICIPAL WATER DISTRICT.

SUMMARY OF ABBREVIATIONS AND DEFINITIONS

GENERAL TOPOGRAPHY & HORIZONTAL/ VERTICAL CONTROL		TREES & BUSHES	
ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
B.C.	BACK OF CURB	P.I.	POINT OF INTERSECTION
B.-B.	BACK TO BACK	P.	PROPERTY LINE
C	CENTERLINE	P.P.	POWER POLE
C.M.A.P.	CORRUGATED METAL ARCH PIPE	P.R.C.	POINT OF REVERSE CURVATURE
C.M.P.	CORRUGATED METAL PIPE	P.T.	POINT OF TANGENCY
C.I.	CAST IRON	P.V.C.	PLASTIC PIPE
C.O.	CLEANOUT	P.V.I.	POINT OF VERTICAL INTERSECTION
CONN.	CONNECTION	R.	RADIUS
CULV.	CULVERT	R.C.	REINFORCED CONCRETE
D.I.P.	DUCTILE IRON PIPE	R.C.P.	REINFORCED CONCRETE PIPE
EL.	ELEVATION	R.C.C.P.	REINF. CONCRETE CYLINDER PIPE
ELEC.	BURIED ELECTRICAL POWER LINE	R.O.W.	RIGHT OF WAY
ENC.	ENCASEMENT	SAN. SEW. OR S.S.	SANITARY SEWER
E.P.	EDGE OF PAVEMENT	S.H.	LAWN SPRINKLER HEAD
ESMT.	EASEMENT	S.	SURVEY LINE
F.-F.	FACE TO FACE	S.S.	SANITARY SEWER
F.H.	FIRE HYDRANT	S.S.M.H.	SANITARY SEWER MANHOLE
F.M.	SANITARY SEWER FORCE MAIN	ST. SEW.	STORM SEWER
F.L.	FLOW LINE	S.V.B.	LAWN SPRINKLER VALVE BOX
G.L.M.	GAS LINE MARKER	T.B.	TELEPHONE CABLE BOX
G.M.	GAS METER	T.C.	TOP OF CURB
G.V.	GAS VALVE	TEL.	BURIED TELEPHONE CABLE
GUT.	GUTTER	T.M.H.	TELEPHONE CABLE MANHOLE
HDWL.	HEADWALL	TO F.	TO FACE (OF CURB)
I.P.F. OR I.R.F.	IRON PIN (ROD) FOUND	TRANS.	ELECTRICAL TRANSFORMER
L.	LANDSCAPING LIGHT	L.L.	BURIED TELEVISION CABLE
L.P.	LIGHT POLE	T.V.	CABLE TELEVISION BOX
L.S.	SANITARY SEWAGE LIFT STATION	U.G.C.M.	UNDERGROUND CABLE MARKER
L.S.T.	LANDSCAPING TIMBERS	U.P.M.	UNDERGROUND PIPELINE MARKER
M.B.	MAILBOX	V.C.	VERTICAL CURVE
M.B.C.F.	METAL BEAM GUARD FENCE	W. OR W.L.	WATER LINE
M.H.	MANHOLE	W.M.	WATER METER
P.C.	POINT OF CURVATURE	W.V.	WATER VALVE

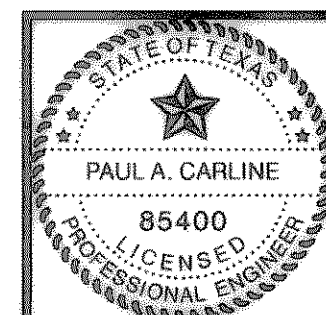
HYDRAULIC PRESSURES

SIZE & LOCATION	WORKING PRESSURE
WATER SUPPLY LINES	135 P.S.I.
WATER SUCTION LINES	100 P.S.I.
WATER DISCHARGE LINES	150 P.S.I.

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NORTH TEXAS MUNICIPAL WATER DISTRICT
EASTSIDE 780 WATER PUMP STATION
LOCATION MAP

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
 CONSULTING ENGINEERS
 Dallas, Texas



THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.

DATE: 11/15/05

This record drawing is a compilation of the sealed engineering drawing for this project; modified by addenda, change orders and information furnished by the contractor. The information shown on the record drawings that was provided by the contractor or others not associated with the design engineer cannot be verified for accuracy or completeness. This original sealed drawings are on file at the offices of Birkhoff, Hendricks & Conway, L.L.P.

BY PAC DATE 12/13/07

DESIGNED BY: P.A.C. PROJECT: 2002 174 SHEET NO. C3
 DRAWN BY: B.H. & C. DATE: NOVEMBER 2005 OF 32 SHEETS

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