

GENERAL NOTES

1. ALL WORK UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, ISSUED BY THE TEXAS CENTRAL TEXAS COUNCIL OF GOVERNMENT, AND TOWN OF ADDISON STANDARD CONSTRUCTION SPECIFICATIONS.
2. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL BE FAMILIAR WITH THE PLANS INCLUDING ALL NOTES, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION NORTH CENTRAL TEXAS AND THE CITY STANDARDS FOR CONSTRUCTION AND ANY OTHER APPLICABLE STANDARDS AND SPECIFICATIONS RELEVANT TO THE PROPER COMPLETION OF THE WORK UNDERTAKEN. FAILURE ON THE PART OF THE CONTRACTOR TO BE FAMILIAR WITH ALL STANDARDS AND SPECIFICATIONS PERTAINING TO THIS WORK SHALL IN NO WAY RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR PERFORMING THE WORK IN ACCORDANCE WITH ALL SUCH APPLICABLE STANDARDS AND SPECIFICATIONS.
3. THE HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UNDERGROUND UTILITIES HAVE BEEN DETERMINED FROM DATA RECEIVED BY OTHERS. CONTRACTOR SHALL VERIFY THAT THE ACTUAL LOCATION NECESSARY CROSSING CLEARANCES BETWEEN EXISTING AND PROPOSED UTILITIES EXIST PRIOR TO CONSTRUCTION OF ANY SUCH CROSSING. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. CONTRACTOR TO VERIFY SIZE AND LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
4. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL MANHOLES, CLEANOUTS, VALVE BOXES, THE HYDRANTS, ETC. THEY MUST BE ADJUSTED TO PROPER ELEVATION AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF PERMANENT PAVING AND GRADING. UTILITIES MUST BE MAINTAINED TO PROPER LINE AND GRADE DURING THE CONSTRUCTION OF THE PAVING FOR THIS DEVELOPMENT.
5. 5.1 MAINTAIN NORMAL PROJECT DRAINAGE PATTERNS. NEW DRAINAGE FACILITIES ARE FUNCTIONAL, INCLUDING, WHERE NECESSARY, REFORM REPLACEMENT OF EXISTING DRAINAGE STRUCTURES REMOVED FOR CONSTRUCTION OF NEW DRAINAGE FACILITIES.
5.2 MAINTAIN ALL WORK AND MATERIAL STORAGE AREAS IN ORDERLY CONDITION, FREE OF DEBRIS AND TRAFFIC OR COMPLETION OF CONSTRUCTION. CLEAN UP THE PROJECT AND ADJACENT AFFECTED AREAS TO ACCEPTABLE CONDITION, ALL AS PROVIDED IN THE GENERAL CONDITIONS.

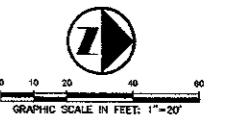
6. PRIOR TO COMMENCEMENT OF CONSTRUCTION, BONDS AND THREE-WAY CONTRACTS SHALL BE SUBMITTED TO THE CITY AS REQUIRED.
7. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS REGARDING TRAFFIC SAFETY.
8. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
9. REFER TO ARCHITECTURAL PLANS FOR DETAILED BUILDING ENTRANCE LAYOUTS, RAMP, LANDSCAPE AND TERRACING.
10. BARRICADES AND PROJECT SIGNS SHALL CONFORM TO TEXAS DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LATEST UPDATES.

WATER AND SANITARY SEWER GENERAL NOTES

1. ALL WATER MAINS SHALL BE PVC 8000, DN 15, CLASS 150.
2. WATER AND SANITARY SEWER SERVICES SHALL MEET ALL APPLICABLE CODE REQUIREMENTS.
3. ALL WATER MAINS UNLESS OTHERWISE NOTED SHALL HAVE A MINIMUM COVER OF 48" BELOW FINISHED GRADE.
4. SANITARY SEWER PIPE SHALL BE PVC 8000.
5. WATER MAINS AND SANITARY SEWERS ARE PROTECTED. THEY SHALL BE INSTALLED NO CLOSER TO EACH OTHER THAN ONE FEET IN ALL DIRECTIONS AND PARALLEL LINES MUST BE INSTALLED IN SEPARATE TRENCHES. WHERE THE ONE FOOT SEPARATION DISTANCE CANNOT BE ACHIEVED, THE FOLLOWING GUIDELINES SHALL APPLY:
 - (A) WHERE A SANITARY SEWER PARALLELS A WATERLINE, THE SEWER SHALL BE CONSTRUCTED OF CAST IRON DUCTILE IRON OR PVC WITH A MINIMUM PRESSURE RATING OF 150 PSI. THE VERTICAL SEPARATION SHALL BE A MINIMUM OF TWO FEET BETWEEN OUTSIDE DIMENSIONS AND THE HORIZONTAL SEPARATION SHALL BE A MINIMUM OF FOUR FEET BETWEEN OUTSIDE DIMENSIONS. THE SEWER SHALL BE LOCATED BELOW THE WATERLINE.
 - (B) WHERE A SANITARY SEWER CROSSES A WATERLINE AND THE SEWER IS CONSTRUCTED OF CAST IRON DUCTILE IRON OR PVC WITH A MINIMUM PRESSURE RATING OF 150 PSI, AN ABSOLUTE MINIMUM DISTANCE OF SIX INCHES BETWEEN OUTSIDE DIMENSIONS SHALL BE MAINTAINED. IN ADDITION, THE SEWER SHALL BE LOCATED BELOW THE WATERLINE WHERE POSSIBLE AND ONE LENGTH OF THE SEWER PIPE MUST BE CENTERED ON THE WATERLINE.
 - (C) WHERE A SEWER CROSSES UNDER A WATERLINE AND THE SEWER IS CONSTRUCTED OF ADS TRUSS PIPE, SIMILAR SCUM-RESISTANT PLASTIC COMPOSITE PIPE, CLAY PIPE OR CONCRETE PIPE WITH MANHOLE DEPTH OF AT LEAST 150 PSI USING APPROPRIATE ADAPTORS. IN LIEU OF THIS PROCEDURE, THE NEW CONNECTION MAY BE ENCASED IN A JOINT OF 150 PSI PRESSURE CLASS PIPE AT LEAST 18 FEET LONG AND TWO INCHES THICKER THAN THE NEW CONNECTION. THE SPACE AROUND THE CASING PIPE SHALL BE SUPPORTED AT FIVE FEET INTERVALS WITH SPACERS OR BE FILLED TO THE SPRING LINE WITH RAGGED SAND. THE ENCASEMENT PIPE SHALL BE CENTERED ON THE CROSSING AND BOTH ENDS SEALED WITH COBENT GROUT OR MANUFACTURED SEAL.
 - (D) THE SEWER NEED NOT BE DISTURBED WHERE A NEW WATERLINE IS TO BE INSTALLED PARALLEL TO AN EXISTING SEWER THAT SHOWS NO EVIDENCE OF LEAKAGE. SHOULD EXCAVATION FOR THE WATERLINE REVEAL THE SEWER A MINIMUM OF TWO FEET VERTICALLY AND FOUR FEET HORIZONTALLY SHOULD EXCAVATION FOR THE WATERLINE PROCEED. HOWEVER, THAT THE SEWER IS LEAKING, THE SEWER MUST BE REPAIRED OR REPLACED AS DESCRIBED IN SUB-PARAGRAPHS (A) OR (B) OF THIS PARAGRAPH.

6. CONTRACTOR TO VERIFY ALL EXISTING SEWER FLOW LINES BEFORE BEGINNING CONSTRUCTION.
7. ALL SANITARY SEWER LINES SHALL BE TESTED IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
8. ALL METER BOXES SHALL BE LOCATED IN NON-TRAFFIC AREAS.
9. UTILITY TRENCHES SHALL BE HANDLED WITH MATERIAL MEETING METHOD ITEM 6.2.10 AND MECHANICALLY COMPACTED IN 8" LIFTS TO THE TOP OF THE SUBGRADE TO A MINIMUM OF 93% STANDARD PROCTOR DENSITY.
10. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTORS EXPENSE.

CONTRACTOR TO TAKE STEPS AS REQUIRED TO PROTECT EXISTING TREES AND ROOT SYSTEMS SHOWN ON THIS PLAN TO THE FULLEST EXTENT POSSIBLE. UNLESS TREES THAT ARE MARKED FOR REMOVAL MAINTAIN EXISTING GRADE AS CLOSE AS POSSIBLE UNDER DRIP LINE.



LEGEND

- 400 FIRE HYDRANT
- 15" POWER POLE
- 15" LIGHT STANDARD
- 15" WATER METER
- 15" WATER VALVE
- 15" CLEANOUT
- 15" MANHOLE
- 15" GAS METER
- 15" PROPERTY LINE

NOTE: SEE DETAIL SHEET FOR WATER & SANITARY SEWER NOTES AND STANDARD DETAILS.

BENCH MARKS:

- BM #2: Top out of FH near west line of site 675.6 north of southeast corner of site. Elev. 601.31
- BM #3: Cut "x" in walk on outside of curved drive near southeast corner of lower school. Elev. 588.06
- BM #4: "x" cut - west end conc. base, north side Spring Valley, at southeast corner campus. Elev. 578.47
- BM #5: "x" cut in walk at southeast corner intersection of drive along south side of preschool building and north-south drive into site from Spring Valley. Elev. 588.30
- BM #6: "x" cut at southeast corner baseball courts, southeast of gymnasium. Elev. 597.48
- BM #7: "x" cut, southeast corner transformer pool, southeast of tennis courts. Elev. 609.80
- BM #8: Top out of FH at west end of drive along north side of campus. Elev. 609.80
- BM #9: "x" cut at MEC of electric MH on north side cafeteria, south side of drive along north side of campus. Elev. 602.80
- BM #10: "x" cut on conc. step near northwest corner of upper school. Elev. 588.85
- BM #11: "x" cut on conc. step on walk leading west side of library. Elev. 598.14
- BM #12: "x" cut at intersection of walk along west side lower school and walk along south side lower school. Elev. 607.78

CONTACT: MR ED REAR, OPERATING SUPPORT SECTION, DISTRIBUTION DEPARTMENT, 2 WORKING DAYS PRIOR TO EXCAVATING T.U. ELECTRIC FACILITIES. PHONE: (214) 688-7239 OR (214) 688-7207

CAUTION! UNDERGROUND TELEPHONE GAS LINE IN AREA - CONTACT ONE STAR GAS 48 HOURS PRIOR TO CONSTRUCTION PHONE: 1-800-315-0440



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Pacheco Koch Consulting Engineers
 9401 LBJ FREETWAY SUITE 300 DALLAS, TEXAS 75243 972.235.5831

WATER & SANITARY SEWER PLAN
CONCESSION BUILDING
GREENHILL SCHOOL
ABST. No. 273, DALLAS COUNTY
TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
SAM	RHS	JUNE 2001	1"=20'			C1.0

PK FILE: 1002-01112 DWG FILE: 1002-06120