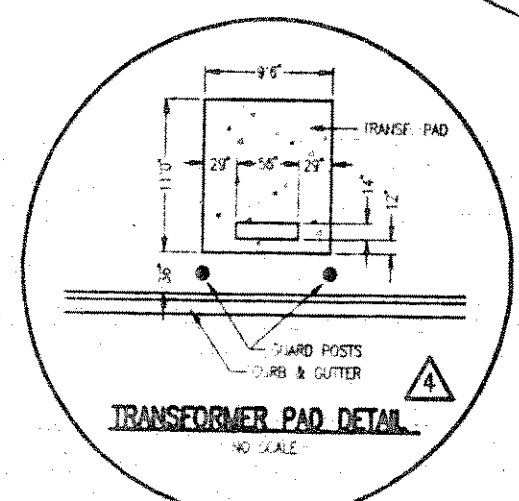


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**\*\*\* CAUTION - NOTICE TO CONTRACTOR \*\*\***  
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED UPON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, ACTUAL MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION PROVIDED HEREON IS NOT TO BE TAKEN AS EXACT OR FULLY COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF ALL EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS AS SHOWN.



REVISIONS	BY	REVISIONS	BY
SEP. 26, 1995 (DC)	R.D.M.		
OCT. 11, 1995	R.D.M.		
NOV. 6, 1995	R.D.M.		
NOV. 30, 1995 (OTB)	R.D.M.		
DEC. 21, 1995	R.D.M.		

DESIGNED  
R.D.M.  
DRAWN  
R.D.M.  
CHECKED  
D.J.A.

**ADAMS CONSULTING ENGINEERS & SURVEYORS, INC.**  
 CIVIL/ENVIRONMENTAL ENGINEERS & SURVEYORS  
 6320 Coppeland Road • Tyler, Texas 75705 • (936) 561-8919

UTILITY PLAN

WAL-MART SUPERCENTER #259  
 INTERSTATE 30  
 ROCKWALL, TEXAS

DATE  
8/25/95  
JOB NO.  
93-11W  
SHEET NO.  
10

**CONSTRUCTION NOTES**

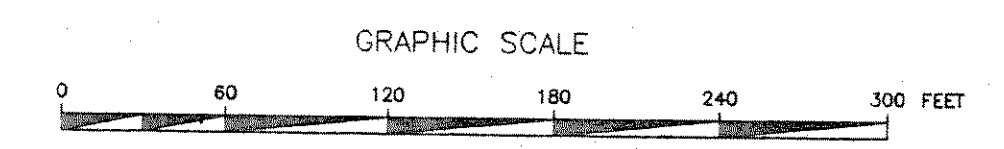
- MIN. HORIZONTAL SEPARATION BETWEEN WATER & SEWER LINES SHALL BE 10 (TEN) FT. MIN. VERTICAL SEPARATION BETWEEN CROSSING WATER & SEWER LINES SHALL BE 18 (EIGHTEEN) IN.
- DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING, OR CENTER OF MANHOLE.
- TIP ELEVATION OF MANHOLES CONSTRUCTED IN PAVED AREAS SHALL MATCH FINISH GRADE. TIP ELEVATION OF MANHOLES CONSTRUCTED IN UNPAVED AREAS SHALL BE 6 (SIX) INCHES ABOVE FINISH GRADE, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL REFER TO ARCH. PLANS AND SPECS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO THE BUILDING, INCLUDING JANITARY SEWER LATERALS, DOMESTIC AND FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE AND GAS SERVICES.
- CONTRACTOR SHALL COORDINATE ALL UTILITY INSTALLATION IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED, AS WELL AS COORDINATING WITH THE CITY AND/OR PRIVATE UTILITY DEPARTMENTS AS TO LOCATION AND SCHEDULING OF THE LINES AND SERVICE INTERRUPTIONS PRIOR TO CONNECTING TO EXISTING UTILITIES.
- THE CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRANCES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATER-TIGHT.
- THE CONTRACTOR SHALL, ON ALL UTILITIES, COORDINATE INSPECTION WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
- CONTRACTOR SHALL COMPLY WITH ALL GOVERNING CODES AND REQUIREMENTS. CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE UTILITY COMPANIES, AS WELL AS THE OWNER'S INSPECTING AUTHORITIES.
- MATERIALS AND INSTALLATION FOR ALL WATER AND SANITARY SEWER LINES SHALL COMPLY WITH ALL REQUIREMENTS AS OUTLINED IN THE SPECIFICATIONS, AND WITH CITY SPECS.
- CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES (OR ANY OTHER JURISDICTIONAL AGENCY) FOR ALL EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, ETC. AS NECESSARY FOR THESE OPERATIONS (INCLUDING ACCESS TO AND EGRESS FROM ALL TRENCHES AND EXCAVATIONS), AND SHALL COMPLY WITH OSHA PERFORMANCE CRITERIA.
- INFORMATION PROVIDED BY T.U. ELECTRIC CO. OFFICIALS INDICATES ALL OVERHEAD ELECTRICAL LINES, POLES, RISER AND DOWNGUYS SHALL BE FURNISHED AND INSTALLED BY T.U. ELECTRIC. ALL 3" DIRECT BURY UNDERGROUND ELECTRICAL, PAD-MOUNTED TRANSFORMER AND METERING SHALL BE FURNISHED AND INSTALLED BY T.U. ELECTRIC. THE CONTRACTOR SHALL CONDUCT THE TRANSFORMER PAD (PER APPLICABLE T.U. ELECTRIC SPECIFICATIONS AND DETAILS), AND SHALL INSTALL PULSE METERING CONDUIT AND ALL SECONDARY UNDERGROUND SERVICE TO THE BUILDING. CONTACT BRIAN HUGHES, T.U. ELECTRIC, @ (214) 216-8984 FOR COORDINATION.
- THE CONTRACTOR SHALL VERIFY WITH SOUTHWESTERN BELL THE EXTENT OF CONSTRUCTION OF UNDERGROUND TELEPHONE TO BE INSTALLED BY THE CONTRACTOR AND/OR THE PHONE CO.
- THE CONTRACTOR SHALL VERIFY WITH ONE STAR GAS AS TO THE EXTENT OF CONSTRUCTION OF UNDERGROUND GAS SERVICES TO BE INSTALLED BY THE CONTRACTOR AND/OR THE GAS CO.
- THE CONTRACTOR SHALL FURNISH SHOP DRAWINGS OF THE PROPOSED BACKFLOW PREVENTER EQUIPMENT AND VAULT CONSTRUCTION TO THE CITY FOR APPROVAL.
- CONTRACTOR SHALL INSTALL ALL NECESSARY M.I. FITTINGS AND THRUST BLOCKING TO ROUTE PROPOSED WATER LINES OVER (OR UNDER) PROPOSED SANITARY AND STORM SEWER PIPES AT POINTS OF CROSSING, RISING OR LOWERING OF EXISTING WATER MAINS, WHERE IN CONFLICT WITH PROPOSED SANITARY OR STORM SEWERS, INCLUDING ANY NECESSARY M.I. FITTINGS AND THRUST BLOCKING, SHALL BE SUBSIDIARY TO OTHER WORK ITEMS.
- ALL FIRE HYDRANTS WITH PIPE BOLLARDS TO BE LOCATED IN THE FRONT PARKING LOT SHALL BE INSTALLED WITHIN THE LIMITS OF THE STRIPPED ENDCAP (REFER TO SITE PLAN AND ISLAND DETAILS SHEETS FOR LOCATION AND CONSTRUCTION OF ENDCAPS).
- ALL WATER AND SEWER APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ROCKWALL STANDARDS OF DESIGN, LATEST EDITION, WHERE IN CONFLICT WITH DETAILS SHOWN HEREON OR WITH THE WAL-MART NETWORK SPECS, UNLESS WRITTEN APPROVAL FOR ALTERNATE CONSTRUCTION IS GIVEN BY CITY OF ROCKWALL STAFF.
- CONSTRUCTION OF THE FIRE LINE LOOP AROUND THE BUILDING PERIMETER, INCLUDING FIRE HYDRANTS, MUST BE COMPLETED, INSPECTED AND TESTED PRIOR TO CONSTRUCTION OF ANY BUILDING WALLS. THE FIRE LANE SURROUNDING THE PROPOSED BUILDING MUST BE PAVED WITH AN ALL-WEATHER HARD SURFACE (REFER TO EROSION OF ANY BUILDING WALLS).
- DETAILS/REFERENCES: REF. SHT. 11 FOR SANITARY SEWER PROFILE; REF. SHT. 13 FOR ALL WATER AND SEWER SYSTEM PIPING AND APPURTENANCES DETAILS.

**LEGEND**

- EXIST. WATER LINE
- EXIST. GRAVITY SEWER
- EXIST. UNDERGROUND NATURAL GAS
- EXIST. UNDERGROUND TELEPHONE
- EXIST. OVERHEAD TELEPHONE
- EXIST. OVERHEAD ELECTRIC
- EXIST. UNDERGROUND ELECTRIC
- PROP. WATER LINE
- PROP. GRAVITY SEWER
- PROP. UNDERGROUND GAS SERVICE
- PROP. UNDERGROUND TELEPHONE
- PROP. UNDERGROUND ELECTRIC
- PROP. OVERHEAD ELECTRIC
- PROP. SITE LIGHTING ELECT. CONDUIT
- PROP. TAMPON SWITON CONDUIT
- PROP. REMOTE G.C. ELECT. CONDUIT
- PROP. REMOTE G.C. WATER LINE
- PROP. IRRIG. CONTROLLER CONDUIT
- PROP. UTILITY EASEMENT LIMIT
- EXIST. WATER VALVE
- EXIST. FIRE HYDRANT
- EXIST. SEWER MANHOLE
- EXIST. SEWER CLEANOUT
- EXIST. SEWER CABLE BOX
- EXIST. TELEPHONE POLE
- EXIST. POWER POLE
- EXIST. SERVICE POLE
- EXIST. LIGHT POLE
- PROP. WATER VALVE
- PROP. FIRE HYDRANT
- PROP. SEWER CLEANOUT
- PROP. FIRE HYDRANT
- PROP. MANHOLE
- PROP. POWER POLE
- PROP. LIGHT POLE
- V.I.F.

**NOTE TO SPRINKLER CONTRACTOR CONCERNING WAL-MART BUILDING**  
 WATER TEST FLOW DATA FOR BUILDING SPRINKLER SYSTEM IS AS FOLLOWS:  
 STATIC PRESSURE = 58 PSF  
 RESIDUAL PRESSURE = 47 PSF  
 FLOW FROM THE END OF THE SPRINKLER SUPPLY MAIN FROM THE POINT OF THE REQUIRED SPRINKLER FLOW RATE

**TOTAL DEVELOPMENT : 34.416 ACRES**



**\*\*\* NOTICE TO CONTRACTOR \*\*\***  
 TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY BY ADAMS CONSULTING ENGINEERS & SURVEYORS, INC. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THESE PLANS, WITHOUT EXCEPTION, HE SHALL MAKE AT HIS EXPENSE A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SHALL BE RESPONSIBLE FOR THE DESIGN, CONSTRUCTION AND INSTALLATION OF ALL EXISTING AND NEW STRUCTURES, DRAINAGE AND ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE OWNER OF ANY DISCREPANCIES OR MODIFICATIONS TO THE PLANS. ANY ADDITIONAL COST INCURRED DUE TO NON-ACCEPTATION OF THESE EXISTING DATA SHALL BE AT THE CONTRACTOR'S EXPENSE.

