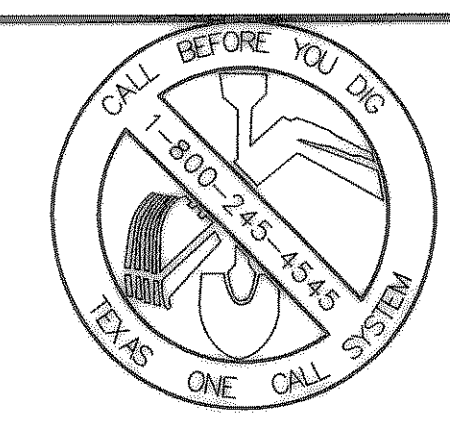
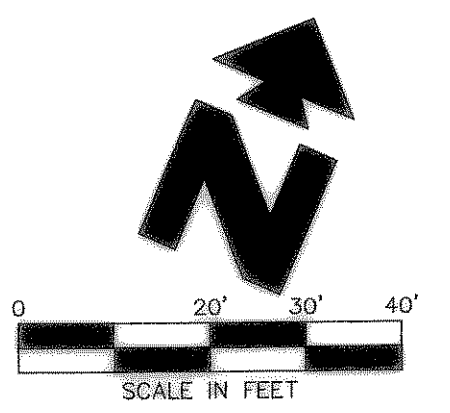


UTILITY DETAILS
 N4 628 DOUBLE CHECK VALVE BACKFLOW PREVENTER



TEXAS EXCAVATION SAFETY SERVICES
 1-800-344-8377



LEGEND

EXISTING	
---	BOUNDARY LINE
---	NORTH
---	STORM DRAIN
---	GAS
---	OVERHEAD ELECTRIC
---	OVERHEAD ELECTRIC AND TELEPHONE
---	SEWER
---	UNDERGROUND ELECTRIC
---	UNDERGROUND ELECTRIC AND TELEPHONE
---	WATER
---	SIGN
---	UTILITY POLE
---	LIGHT POLE
---	GRADED INLET
---	FIRE HYDRANT

PROPOSED

---	BOUNDARY LINE
---	CONCRETE CURB
---	STORM DRAIN
---	SANITARY SEWER SERVICE
---	UNDERGROUND ELECTRIC AND TELEPHONE SERVICE
---	WATER SERVICE
---	FIBER OPTIC CONDUIT
---	CONSTRUCTION FENCE
---	UNDERGROUND ELECTRIC SERVICE
---	UNDERGROUND TELEPHONE SERVICE

GENERAL UTILITY NOTES

- ALL WATER LINES SHALL BE 1" POLY SDR 9 WITH 30" MIN. COVER.
- ALL SANITARY SEWER LINES SHALL BE PVC SCHEDULE 40 UNLESS OTHERWISE SPECIFIED BY LOCAL CODES. PROVIDE 30" MINIMUM COVER.
- CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
- ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
- CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
- PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM CEI ENGINEERING AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. CEI ENGINEERING AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.
- CONTRACTOR SHALL REPLACE/RESTORE CURB AND GUTTER TO MATCH EXISTING CURB AND GUTTER FOR UTILITY EXTENSION. AS PART OF THE CONTRACT.
- UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN SPECIFICATIONS:
 ALL WATER LINE AND SEWER LINE PIPE BEDDINGS SHALL BE INSTALLED PER NCTCOG DIVISION 3000 GENERAL UNDERGROUND CONDUIT WITH CITY OF ROCKWALL REVISIONS.

UTILITY NOTES

- POINT OF CONNECTION - WATER SERVICE (PER LOCAL CODES).
- 45' M.J. BEND WITH THRUST BLOCKING (SEE SIZES THIS SHEET)
- 22-1' M.J. BEND WITH THRUST BLOCKING (SEE SIZES THIS SHEET)
- METERED DOMESTIC WATER SERVICE ENTRY PER ARCH. PLANS (SEE SIZES THIS SHEET)
- PROPOSED WATER METER (PER LOCAL CODES AND SPECIFICATIONS)
- POINT OF CONNECTION - SANITARY SEWER SERVICE (PER LOCAL CODES)
- SANITARY SEWER SERVICE ENTRY (PER ARCH. PLANS)
- CONNECT TO EXISTING SANITARY SEWER MANHOLE
- PROPOSED POLE MOUNTED TRANSFORMER
- ELECTRIC SERVICE ENTRY (PER ARCH. PLANS)
- POINT OF CONNECTION FOR UNDERGROUND TELEPHONE (PER TELEPHONE COMPANY REQUIREMENTS)
- TELEPHONE SERVICE ENTRY (PER ARCH. PLANS)
- MAINTAIN MIN. 18" VERTICAL SEPARATION.
- LOCATION FOR THIS UTILITY AS SHOWN IS FOR DRAWING PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN FIELD PRIOR TO THE CONSTRUCTION OF THE PROPOSED UTILITY LINE TO BE CONNECTED. CONTRACTOR SHALL NOTIFY CEI ENGINEERING ASSOCIATES, INC. IF THE DESIGN AS SHOWN IS NOT ACHIEVABLE.
- ALL PULL BOXES LOCATED IN PAVED AREAS SUBJECT TO TRUCK TRAFFIC SHALL BE 74-20" LOAD RATED. THE TYPICAL PULL BOX SIZE SHALL BE 18"x24"x24" OR DEEPER WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. ACCEPTABLE FOR MOST LOCATIONS IS A "QUAZITE" PCT3038A24 BOX WITH PCT3038A40 LID (STRONGWELL, LENOIR CITY DIVISION, 800-346-3026) OR APPROVED EQUAL. THE PULL BOX SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATION WITH A CONCRETE COLLAR AND A MINIMUM OF 8" OF GRAVEL COMPACTED PER PROJECT SPECIFICATIONS. IF USING A PULL BOX TO CHANGE DIRECTION, THE MINIMUM BOX SIZE SHALL BE 48"x48"x24" PRECAST CONCRETE WITH SEPARATE MANHOLE LID AND COLLAR.
- CONTRACTOR SHALL VERIFY EXACT LOCATION AND DEPTH OF EXISTING SANITARY SEWER SERVICE. IF DEPTH IS NOT ADEQUATE FOR CONNECTION OF NEW LINE, CONTACT CEI ENGINEERING ASSOCIATES WITH INFORMATION FOR EVALUATION OF ALTERNATIVES.
- 2" CONDUIT FOR FIBER OPTIC CABLE
- POINT OF CONNECTION OF ELECTRIC SERVICE
- FIRE HYDRANT INSTALLATION PER NCTCOG STANDARD DRAWING NO. 4120 WITH CITY OF ROCKWALL REVISION.
- MAINTAIN MIN. 12" VERTICAL SEPARATION.
- SANITARY SEWER INSIDE DROP MANHOLE PER NCTCOG STANDARD DRAWING NO. 5080 WITH CITY OF ROCKWALL REVISION.
- WATER SERVICE INSTALLATION OF 1" LINE PER NCTCOG STANDARD DRAWING NO. 4130 WITH CITY OF ROCKWALL REVISION.
- SANITARY SEWER CLEAN-OUT PER CITY OF ROCKWALL WASTEWATER LATERAL CONNECTION DETAIL.

AS BUILT

SHEET NO. C-7

UTILITY PLAN
 WAL-MART SUPERCENTER #289
 I.H. 30 & WHITEHILLS DRIVE
 ROCKWALL, TEXAS

CEI ENGINEERING ASSOCIATES
 ENGINEERS, PLANNERS, SURVEYORS
 12300 FORD ROAD, SUITE 110
 DALLAS, TEXAS 75234
 (972) 488-2727
 FAX (972) 488-8722
 JOB NO.: 19235.0
 DWG NAME: 92359rj

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 200 PEACH STREET
 P.O. BOX 7000
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MURPHY OIL U.S.A.

2004 CEI ENGINEERING ASSOCIATES, INC.