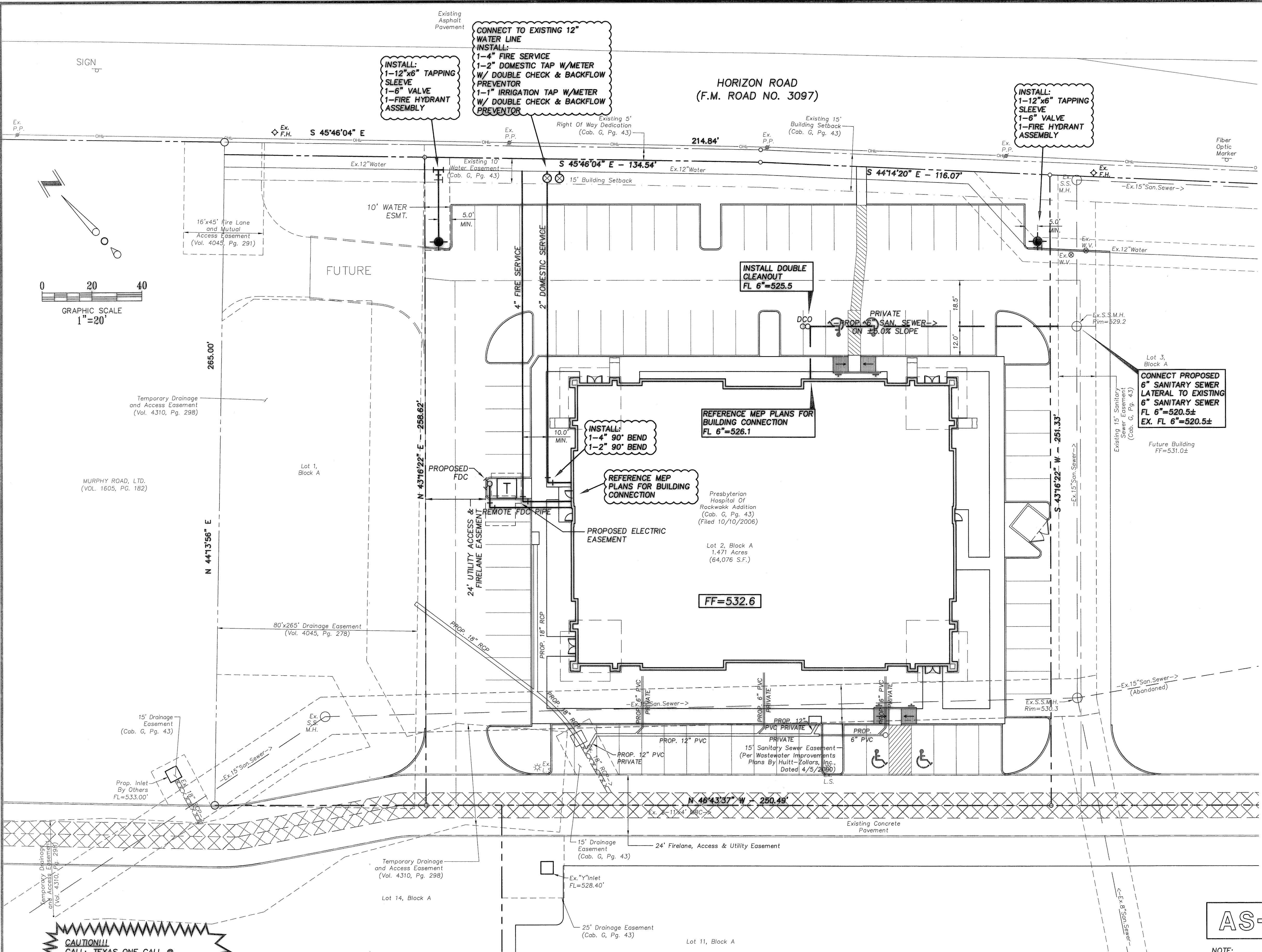


GENERAL NOTES

1. THE SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES ON THESE PLANS WERE OBTAINED FROM AVAILABLE RECORDS AND ARE APPROXIMATE. THE CONTRACTOR, PRIOR TO CONSTRUCTION, MUST DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL PUBLIC UTILITIES AND SHALL BE RESPONSIBILITY FOR CONTACTING ALL FRANCHISE AND CITY UTILITIES. THE CITY DOES NOT ASSUME RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PUBLIC UTILITIES IN THE CONSTRUCTION OF THIS PROJECT. ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC. MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR PRIOR TO AND AFTER THE PLACING OF FINAL GRADE AND/OR PAVEMENT. ANY REMOVAL OR DAMAGE TO EXISTING IMPROVEMENTS SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AT HIS EXPENSE AND SHALL BE APPROVED BY THE CITY. SAID EXISTING IMPROVEMENTS INCLUDE BERMS, DITCHES, FENCES, VEGETABLE, ETC.
3. DURING THE CONSTRUCTION OF THIS PROJECT, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER, MUST BE APPROVED BY THE CITY BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES. ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT BE, WHICH ARE MADE DURING THE BIDDING PHASE, WILL HAVE NO BEARING ON THE DECISION.
4. ANY TEST THAT FAILS TO MEET CITY REQUIREMENTS SHALL BE RE-TESTED AT THE CONTRACTOR'S EXPENSE. THE CITY WILL ONLY ACCEPT SIGNED ORIGINAL COPIES OF ALL TESTING REPORTS FOR REVIEW.
5. ALL MATERIALS, CONSTRUCTION, TESTING AND WORKMANSHIP SHALL CONFORM TO THE CITY'S STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS, THIRD EDITION, EXCEPT AS NOTED HEREIN AND APPROVED BY THE CITY.
6. MINIMUM COVER SHALL COMPLY WITH CITY'S DESIGN MANUAL. ALL WATER MAINS 12" AND SMALLER SHALL BE PVC A.W.W.A. C900, DR-14, CLASS 200 WATER PIPE.
7. ALL TAPPING SLEEVES, VALVES AND VALVE BOXES, FITTINGS AND THRUST BLOCKING SHALL BE PER THE CITY'S DESIGN AND SPECIFICATIONS AND NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS, THIRD EDITION.
8. CONCRETE BLOCKING SHALL BE PROVIDED ON WATER MAINS AT ALL TEES, BENDS, CROSSES AND FIRE HYDRANTS PER THE CITY STANDARDS. ALL CONCRETE FOR BLOCKING SHALL BE MINIMUM 2000 PSI CONCRETE. POLYETHYLENE WRAP SHALL BE INSTALLED AROUND ALL DUCTILE IRON FITTINGS AND VALVES. THE WRAP SHALL HAVE AN 8 MIL. THICKNESS AND BE WRAPPED AND HELD IN PLACE BY 2" WIDE PLASTIC BACKED ADHESIVE TAPE (POLYKEN 900, SCOTCHRAP NO. 50 OR CITY APPROVED EQUAL). THE WRAP SHALL BE INSTALLED WITHOUT BREAKS, TEARS OR HOLES IN THE FILM.
9. WATER LINES CROSSING UNDER STORM SEWER AND SANITARY SEWER LINES SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 24" OR AS GOVERNED BY TNRCC CHAPTER 290 REQUIREMENTS. PARALLEL WATER LINES SHALL BE AT LEAST 9' CLEAR HORIZONTALLY TO SANITARY SEWER LINES AND MANHOLES. WHERE MINIMUM CLEARANCE CANNOT BE ACHIEVED, WATER LINES SHALL BE ENCASED BY A MINIMUM 6" 3000 PSI CONCRETE TO 10' EITHER SIDE OF UTILITY CROSSING. WHERE WATER LINES CROSS CREEKS OR DITCHES, THE WATER LINE SHALL BE PROTECTED BY CONCRETE ENCASEMENT AT LEAST 10' PAST THE EMBANKMENT SLOPE ON EACH SIDE.
10. ANY PLUMBING INSTALLED OUTSIDE OF R.O.W. OR AN EASEMENT SHALL BE INSTALLED BY A LICENSED PLUMBER AND INSPECTED BY BUILDING INSPECTIONS.
11. ALL WATER LINES SHALL BE STERILIZED AND PRESSURE TESTED TO 200 PSI FOR A 3-HOUR CONTINUOUS PERIOD. ALL TESTING AND STERILIZATION SHALL MEET OR EXCEED NCTCOG SPECIFICATIONS.
12. ALL SANITARY SEWER PIPES 4" TO 15" SHALL BE PVC SDR 35 MEETING ASTM D3034 AND HAVE RUBBER GASKET JOINTS. ALL SANITARY SEWER PIPES 18" AND LARGER SHALL BE PVC MEETING ASTM F679.
13. ALL SANITARY SEWER LINES SHALL BE TESTED FOR INFILTRATION AND EXFILTRATION IN ACCORDANCE WITH CITY STANDARDS. TV INSPECTIONS, LOW PRESSURE AIR TESTING, VACUUM TESTING OF THE MANHOLES, AND MANDREL TESTING ARE REQUIRED ON ALL SEWER LINES.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR PRODUCING ANY REQUIRED TRENCH SAFETY PLAN OR TRAFFIC CONTROL PLAN.
15. FIRE SPRINKLER LINE SHALL BE SIZED AND INSTALLED BY A STATE LICENSED FIRE SPRINKLER CONTRACTOR.
16. ALL FIRE HYDRANTS TO HAVE 5' CLEARANCE.
17. FIRE DEPARTMENT CONNECT (FDC) MUST BE WITHIN 100-FOOT OF A FIRE HYDRANT, 50-FOOT OF FIRE LANE, FACING FIRE LANE, AND PROVIDED WITH A 5-FOOT WIDE PATHWAY FROM CONNECTION TO FIRE LANE.
18. A STATE LICENSED FIRE SPRINKLER CONTRACTOR SHALL SUBMIT PLANS ON THE UNDERGROUND FIRE SPRINKLER LINE. THE FIRE DEPARTMENT NEEDS 3 COPIES OF PLANS. THE PLANS MUST BE DESIGNED BY A GENERAL RME. THE SYSTEM MUST COMPLY WITH ALL APPLICABLE NFPA STANDARDS, 2000 IFC, 2000 IBC, AND LOCAL AMENDMENTS.
19. DOUBLE DETECTOR CHECK VALVE IS NOT REQUIRED TO BE IN AN EXTERIOR VAULT. IT CAN BE MOUNTED ON THE SYSTEM IN THE SPRINKLER ROOM.
20. UNDERGROUND FIRE LINE PIPING SHALL HAVE A 10-FOOT MINIMUM SEPARATION FROM ALL OTHER UTILITIES AND PLACED IN A SEPARATE TRENCH. UNDERGROUND PIPING WITHIN 5-FEET OF THE BUILDING MAY BE COMBINED WITH OTHER UTILITIES FOR ENTRANCE TO THE BUILDING.
21. AN APPROVED WATER SUPPLY CAPABLE OF SUPPLYING THE REQUIRED FIRE FLOW FOR FIRE PROTECTION SHALL BE PROVIDED TO PREMISES UPON WHICH FACILITIES, BUILDINGS OR PORTIONS OF BUILDINGS ARE HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION. THE FIRE CODE OFFICIAL SHALL BE NOTIFIED PRIOR TO THE WATER SUPPLY TEST. WATER SUPPLY TESTS SHALL BE WITNESSED BY THE FIRE CODE OFFICIAL AND APPROVED DOCUMENTATION OF THE TEST SHALL BE PROVIDED TO THE FIRE CODE OFFICIAL PRIOR TO FINAL APPROVAL OF THE WATER SUPPLY SYSTEM.



CAUTION!!!
 CALL: TEXAS ONE CALL
 1-800-245-4545
 48 HRS PRIOR TO CONSTRUCTION.

!!! CAUTION !!!
UNDERGROUND UTILITIES

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION SUPPLIED BY VARIOUS OWNERS OF THE FACILITIES. THE ENGINEER DOES NOT ACCEPT THE RESPONSIBILITY FOR THE UTILITY LOCATIONS SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED, AND TO NOTIFY THE ENGINEER PROMPTLY OF ALL CONFLICTS OF THE WORK WITH EXISTING FACILITIES. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGE BY THE CONTRACTOR TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OR HER EXPENSE.

LEGEND

- EXISTING CURB
- PROPOSED CURB
- PROPOSED SANITARY SEWER LINE
- EXISTING SANITARY SEWER LINE
- PROPOSED WATER LINE
- EXISTING WATER LINE
- PROPOSED STORM

BENCHMARK

- BM#1 CITY OF ROCKWALL MONUMENT "RESET 1", 3" BRASS DISK FOUND AT RIDGE ROAD (F.M. 740) AND SUMMER LEE DRIVE NEAR THE NORTH WEST CORNER OF THE PARKING LOT FOR COMMUNITY BANK.
ELEVATION=567.70'
- BM#2 "□" CUT FOUND ON THE BACK OF CURB ON THE POINT ON CURVATURE OF THE SOUTHWEST CORNER OF THE INTERSECTION OF SUMMER LEE DRIVE AND OAK DRIVE.
ELEVATION=563.21'
- BM#3 "□" CUT SET ON THE BACK OF CURB AT THE POINT OF CURVE OF ROCKWALL PARKWAY AT THE NORTHEAST CORNER OF THE INTERSECTION OF SUMMER LEE DRIVE AND ROCKWALL PARKWAY.
ELEVATION=552.82'

AS-BUILT

NOTE: THESE PLANS HAVE BEEN REVISED TO CONFORM WITH CONSTRUCTION RECORDS PROVIDED BY CONTRACTOR.

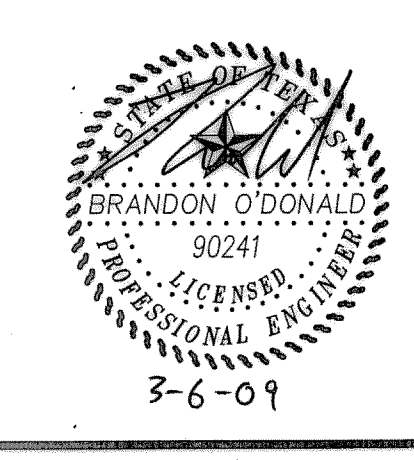
NOTE: MOST EXISTING SITE INFORMATION HAS BEEN TAKEN FROM THE DEVELOPER'S ENGINEERING PLANS AND HAS NOT BEEN FIELD VERIFIED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM THE NECESSARY SURVEYING TO ASSURE THERE ARE NO SIGNIFICANT DESIGN DISCREPANCIES PRIOR TO CONSTRUCTION.

WATER & SANITARY SEWER PLAN
 ROCKWALL MEDICAL ARTS
 CITY OF ROCKWALL
 ROCKWALL COUNTY, TEXAS

O'DONALD ENGINEERING LLC
 F-8885

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 Arlington, Texas 76011
 Phone 817.794.0202
 Fax 817.548.8430

DATE: 3/6/09
 SCALE: 1"=20'
 JOB NO: 0007078
 SHEET: C5



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